LEE COUNTY BOARD OF COUNTY COMMISSIONERS

PUBLIC WORKS ADMINISTRATION – DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
PHASE 2 – PINE RIDGE ROAD TO A&W BULB ROAD

ROADWAY PLANS

PROJECT NO. 4083

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS
~~RIGHT-OF-WAY PLANS~~ SEE PHASE 1
~~STRUCTURE PLANS~~

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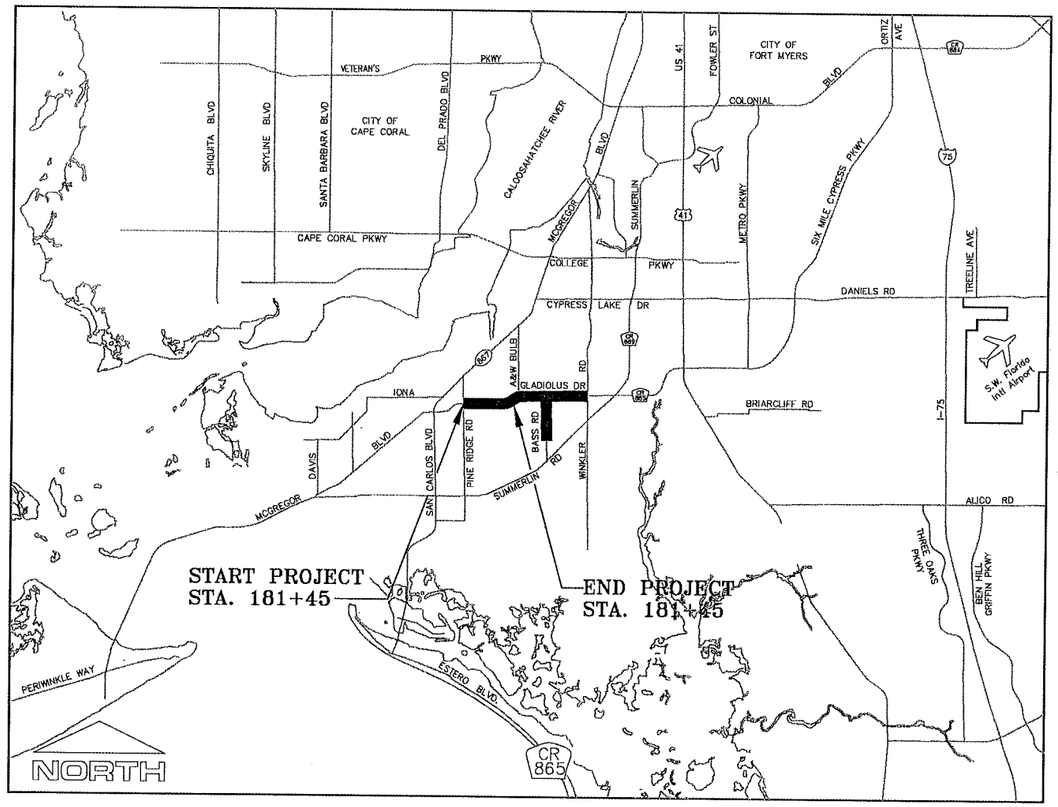
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE DURING REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



LOCATION MAP

LEE COUNTY, FLORIDA

PROJECT MANAGER: ROBERT PHELAN

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2006 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 07/01/07
For Design Standards modifications go to the following Web site:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS:

LIST OF DEVIATIONS

1. LDC SECTION 10.296 LANE WIDTH – ALLOW 11' LANES.

1/8/08

ROADWAY PLANS
ENGINEER OF RECORD

ROBERT KIMBALL PHELAN
FLORIDA P.E. NO. 60391

DEVELOPMENT ORDER APPROVED:
LEE COUNTY PUBLIC WORKS ADMINISTRATOR

JIM LAVENDER
DIRECTOR OF PUBLIC WORKS

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SUMMARY OF PAY ITEMS - ROADWAY

PAY ITEM	ITEM DESCRIPTION	UNITS	QUANTITY	PHASE 1	PHASE 2
101-1	Mobilization	LS	2	1	1
102-1	Maintenance of Traffic	LS	2	1	1
102-3	Commercial Material for Driveway Maintenance	CY	1500	1000	500
102-14	Traffic Control Officer	MH	800	400	400
104-10-2	Synthetic Bales	EA	4757	2837	1920
104-11	Floating Turbidity Barrier	LF	190	60	130
104-13-1	Staked Silt Fence (Type III)	LF	27865	18108	9757
104-13-2	Staked Silt Fence (Type IV)	LF	6887	6887	0
104-16	Rock Bags	EA	2600	1080	1520
110-1-1	Clearing and Grubbing	AC	52	40	12
110-4	Pavement Removal of Existing Concrete Pavement	SY	7792	4930	2862
110-7-1	Mailbox (Furnish & Install)	EA	30	1	29
120-1	Excavation Regular	CY	13822	9866	3956
120-4	Subsoil Excavation	CY	14572	8370	6202
120-6	Embankment	CY	93775	66622	27153
121-70	Flowable Fill	CY	55	5	50
160-4	Type "B" Stabilization	SY	132287	96200	36087
285-706	Base Optional (Base Group 06)	SY	4783	2481	2302
285-709	Base Optional (Base Group 09)	SY	21375	21375	0
285-711	Base Optional (Base Group 11)	SY	92201	63036	29165
327-70-1	Milling Existing Asphalt Pavement (1" Average Depth)	SY	12870	9568	3302
331-2	Asphaltic Concrete Type S (Overbuild 3" Average Depth)	TN	750	750	0
331-72-10	Asphaltic Concrete, S-III (1")	SY	131229	96460	34769
331-72-14	Asphaltic Concrete, S-I (1 1/2")	SY	4783	2481	2302
331-72-30	Asphaltic Concrete, S-I (3")	SY	113576	84411	29165
400-1-2	Class I Concrete (Endwalls)	CY	20	5	15
400-1-11	Class I Concrete (Retaining Walls)	CY	395	29	366
425-1-351	Inlets (Curb) (Type P-5) (<10')	EA	27	14	13
425-1-361	Inlets (Curb) (Type P-6) (<10')	EA	35	21	14
425-1-451	Inlets (Curb) (Type J-5) (<10')	EA	11	7	4
425-1-461	Inlets (Curb) (Type J-6) (<10')	EA	21	12	9
425-1-521	Inlets (Ditch Bottom) (Type C) (<10')	EA	5	3	2
425-1-541	Inlets (Ditch Bottom) (Type D) (<10')	EA	5	2	3
425-1-581	Inlets (Ditch Bottom) (Type H) (<10')	EA	2	1	1
425-2-41	Manholes (P7) (<10')	EA	2	1	1
425-2-61	Manholes (P8) (<10')	EA	1	1	0
425-2-71	Manholes (J7) (<10')	EA	5	1	4
425-2-91	Manholes (J8) (<10')	EA	8	5	3
425-2-92	Manholes (J8) (>10')	EA	1	0	1
425-5	Manholes (Adjust)	EA	1	1	0
425-10	Yard Drain	EA	35	0	35

PAY ITEM	ITEM DESCRIPTION	UNITS	QUANTITY	PHASE 1	PHASE 2
425-11	Modify Existing Drainage Structure	EA	5	5	0
430-94-1	Pipe, Desilting (0-24")	LF	580	405	175
430-94-3	Pipe, Desilting (37-48")	LF	165	165	0
430-171-101	Pipe Culvert Optional Material, Round 0-24" (12" PVC)	LF	5	0	5
430-171-101	Pipe Culvert Optional Material, Round 0-24" RCP (15")	LF	191	27	164
430-171-101	Pipe Culvert Optional Material, Round 0-24" RCP (18")	LF	3266	1560	1706
430-171-101	Pipe Culvert Optional Material, Round 0-24" RCP (24")	LF	1864	769	1095
430-171-102	Pipe Culvert Optional Material, Round 25-36" RCP (30")	LF	1444	1444	0
430-171-102	Pipe Culvert Optional Material, Round 25-36" RCP (36")	LF	2454	2161	293
430-171-103	Pipe Culvert Optional Material, Round 37-48" RCP (42")	LF	1253	1253	0
430-171-103	Pipe Culvert Optional Material, Round 37-48" RCP (48")	LF	4657	2379	2278
430-171-201	Pipe Culvert Optional Material, Other 0-24" RCP (12"x18")	LF	8	0	8
430-171-201	Pipe Culvert Optional Material, Other 0-24" RCP (14"x23")	LF	612	612	0
430-171-201	Pipe Culvert Optional Material, Other 0-24" RCP (19"x30")	LF	976	411	565
430-171-202	Pipe Culvert Optional Material, Other 25-36" RCP (29"x45")	LF	828	236	592
430-171-203	Pipe Culvert Optional Material, Other 37-48" RCP (34"x53")	LF	474	474	0
430-171-203	Pipe Culvert Optional Material, Other 37-48" RCP (38"x60")	LF	1134	0	1134
430-830	Pipe Filling and Plugging	CY	14	14	0
430-950	Desilting Concrete Box Culvert (6'X8'X45' Length) (Double)	CY	160	0	160
430-982-129	Mitered End Section (Optional Round), (24" CD)	EA	2	2	0
430-984-125	Mitered End Section (Optional Round), (18" SD)	EA	1	0	1
430-984-129	Mitered End Section (Optional Round), (24" SD)	EA	1	0	1
515-1-1	Pipe Handrail - Guiderail, Steel	LF	189	0	189
515-2-202	Pedestrian/Bicycle Railing (54" Steel)	LF	1297	116	1181
520-1-7	Concrete Curb and Gutter (Type "E")	LF	25	25	0
520-1-10	Concrete Curb and Gutter (Type "F")	LF	56063	37304	18759
520-2-4	Concrete Curb and Gutter (Type "D")	LF	201	162	39
520-3	Valley Gutter, Concrete	LF	158	0	158
520-5-41	Traffic Separator (Concrete) (Type IV) (4' Wide)	LF	1747	1339	408
520-70	Traffic Separator (Concrete) (Type IV) (Special)	SY	72	0	72
522-1	Concrete Sidewalk, 4" Thick	SY	19165	11407	7758
522-2	Concrete Sidewalk, 6" Thick	SY	2992	368	2624
523-1-1	Patterned/Textured Pavement	SY	196	0	196
530-3-3	Riprap (Rubble)	TN	49	13	36
536-73	Guardrail Removal	LF	397	41	356
550-10-220	Fencing, Type B (5.1-6.0') Standard	LF	877	0	877
550-10-918	Fencing, Reset	LF	1845	1845	0
550-60-222	Gate, (Type B) (Double) (6.1-12.0' Opening)	EA	9	1	8
550-60-223	Gate, (Type B) (Double) (12.1-18.0' Opening)	EA	4	0	4
550-60-224	Gate, (Type B) (Double) (18.1-20.0' Opening)	EA	2	0	2
570-1-2	Performance Turf	SY	86521	65339	21182

SUMMARY OF PAY ITEMS - STRUCTURES

PAY ITEM	ITEM DESCRIPTION	UNITS	QUANTITY	PHASE 1	PHASE 2
400-4-1	Class IV Concrete (Culverts) (Box Culvert)	CY	151	0	151
415-1-6	Reinforcing Steel (Culverts) (Box Culvert)	LB	54340	0	54340
547-70-2	Riprap, Fabric Formed Concrete (6") Bank Protection	SY	64	0	64

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07 | HORIZ. SCALE: N/A
DRAWN: LLC DATE: 11/07 | N/A (11"x17")
CHECKED: RKP DATE: 11/07 | VERT. SCALE: N/A
PROJ NO.: 4083 FILE: 020090201 | N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
SUMMARY OF PAY ITEMS

SHEET 2 of 207 SHEETS

MCGREGOR BLVD.
30 29
31 32
PINE RIDGE RD.
IDD CANAL C-3
C.S. 24" RCP CONTROL EL. 1.5
SFWMD PERMIT #36-02900-S EDISTO LAKE WSWT 2.9 DHW_5 3.6 DHW_{25} 4.0
LAKE
24" RCP
BASIN #1 (49.20 AC)
DITCH EL. 1.8
SFWMD PERMIT #36-03299-P HARLEM HEIGHTS CONTROL EL. 1.5 DHW_5 3.73 DHW_{25} 4.32
JOHNSON ST.
WALL DR.
CODIE ST.
STRAIGHT ST.
SHADYSIDE CONTROL EL. 3.0
SCHOOL ST.
SFWMD PERMIT #36-02060S HEIGHTS ELEMENTARY CONTROL EL. 2.0 DHW_5 3.51 DHW_{25} 4.66
PERIMETER DIKE EL. 3.8
14"x23" RCP
BIG SLEW CANAL IDD CANAL C
BRIGHTEST HORIZONS CENTER FLOOR EL. 4.7 WSWT 1.0
C.S. 24" RCP
ALEXANDRIA CT.
BERM 4.0
BERM 7.2
C.S.
3" PVC EL. 1.8
GLADIOLUS RD.
150+00
140+00
160+00
170+00
S104
RELIEF STRUCTURE
S103
S102A
S101
S102
S106
S112
S109
S108
S113
S115
S114
S118
S120
S122
S125A
S125
S125C
S127
S129
S126
S130
S132B
S132
S01
S02
S137
RELIEF STRUCTURE
S136A
S136
BASIN 1/2 BOUNDARY
18" RCP
C.S.
S107
S110
S111
S116
S117
S123
S124
18" RCP
S125B
S128
S128B
S131
INV. 3.6±
S131C
S133
S134
S135
S139
S138
S140
S141
S142
2-8'x6' BOX CULVERTS EL. -3.0 DHW_5 4.74 DHW_{25} 5.74
SFWMD PERMIT # BEACHWALK CONTROL EL. 6.0 DHW_5 7.13 DHW_{25} 8.06
SFWMD PERMIT # STORAGE QUARTERS LTD. CONTROL EL. 4.9
ROBINSON ST.
DELTA MEADOWS CONTROL EL. 3.0
CHURCH
30+00
S143
S144
C.S.
S145
CANAL ST.
BERM 7.1
15" RCP
S146
IDD CANAL C-5
C.S.
15" RCP
42" RCP FL 1.45
LAKE
LAKE
LAKE
CONCOURSE
COOPER LN.
HAGER CT.
FOREST KNOLL
S150
S147
S148
S149
25+00
HAGE DR.
EXISTING LAKE #1
EXISTING LAKE #1
4+00
S-151 PROP. CONTROL STRUCTURE FOR BASIN #1 CONTROL EL. 3.00
S151
2+00
S152
PROP. 2-24" RCP
IDD CANAL C-7

GRAPHIC SCALE
200 100 0 50 100 200 300

LEGEND
- LAKE
- IDD CANAL
- TRIBUTARY
- DITCH
- BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- EXIST. R/W
- EXIST. EASEMENT
- C.S. CONTROL STRUCTURE
- FLOW DIRECTION
- EXIST. CULVERT
- PROP. DRAINAGE STRUCTURE
- EXIST. DRAINAGE STRUCTURE

Phase 2

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NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020090301
HORIZ. SCALE: 1"=200' 1"=400' (11"x17")
VERT. SCALE: N/A N/A (11"x17")

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DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRAINAGE MAP

SHEET 3 of 207 SHEETS

S-222
PROP. CONTROL
STRUCTURE FOR BASIN #2
CONTROL EL. 3.00

54" CMP
INV. 0.0

IDD CANAL C-2

SFWMD PERMIT
#36-01012-S
CASA DEL MAR
PHASE 3B
CONTROL EL. 3.0
DHW_5 4.38
DHW_{25} 5.61

30" PIPE

19"x30" RCP

30" RCP

36" RCP

SFWMD PERMIT
#36-03581-P
STONE GATE LANDINGS
CONTROL EL. 3.0
DHW_{25} 6.54

SFWMD PERMIT
#36-00355-S
WESTWIND
VILLAS CONDOS
CONTROL EL. 3.0
DHW_{25} 6.11

LAKES REGIONAL LIBRARY
CONTROL EL. 3.50

BASS RD.

A&W BULB RD.

PROP. LINEAR
DETENTION POND
FOR BASIN #2

BIG SLEW CANAL
IDD CANAL C

24" RCP
INV. 1.0

BASIN #2
(9.32 AC)

GLADIOLUS RD.

LENOX GARDENS CT.

BASIN 3/4
BOUNDARY

BASIN 2
BOUNDARY

SFWMD PERMIT
#36-04190P
GLADIOLUS PRESERVE
CONTROL EL. 3.5
DHW_5 5.11
DHW_{25} 6.73

BASIN 3
14.29 AC

EXISTING LAKE

PHASE 1
NIC

PHASE 2

DRAINS TO
CALOOSAHATCHEE RIVER

2-8'x6'
BOX CULVERTS
EL. -3.0
DHW_5 4.74
DHW_{25} 5.74

BASIN 1/2
BOUNDARY

S-332
MODIFY EXIST. CONTROL
STRUCTURE FOR BASIN #3
CONTROL EL. 3.50

EXIST.
48" RCP

EXIST.
24" RCP

EXIST.
3-36" RCP

MATCH BELOW

MATCH ABOVE

1195+00 1200+00 1205+00 1210+00 1215+00

190+00 185+00 180+00 175+00 170+00 165+00 160+00 155+00 150+00 145+00

S201 S202 S203 S204 S205 S206 S207 S208 S214 S215 S216 S217 S218 S219 S220 S221 S301A S302 S302A S305 S307 S308 S309 S310 S311 S312 S314 S314B S315 S316 S317 S318 S319 S320 S321 S322 S323 S323B S324 S325 S326 S327 S328 S329 S330 S331

GRAPHIC SCALE
200 100 0 50 100 200 300

LEGEND
- LAKE
- IDD CANAL
- TRIBUTARY
- DITCH
- BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- EXIST. R/W
- EXIST. EASEMENT
- C.S. CONTROL STRUCTURE
- FLOW DIRECTION
- EXIST. CULVERT
- PROP. DRAINAGE STRUCTURE
- EXIST. DRAINAGE STRUCTURE

Phase 2

JAN 08 2008

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DRAWN: LLC	DATE: 11/07		1"=400' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090302		N/A (11"x17")

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DEPARTMENT
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FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE MAP

SHEET 4 of 207 SHEETS

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C.S.
36" RCP
BASS RD.
PARKER LAKES
CONTROL EL. 3.5
DHW25 7.1
PARKER LAKES BLVD.
LAKE
28 | 27
33 | 34
100' FPL EASEMENT
DRAINAGE EASEMENT
1220+00
BERM 7.1
1240+00
1250+00
S401
S404
S403
S408
S413
S414
S415
S416
S410
S409
S512
S510
S510A
S507
S505
S506
S504
S502
S503
EXIST. 24" RCP TO REMAIN
EXIST. MH TO REMAIN
EXIST. 48" RCP TO REMAIN
EXIST. 19"x30" ERCP TO REMAIN
EXIST. 14"x23" RCP
EXIST. 12"x18" RCP
14"x23" RCP TO REMAIN
EXIST. MH's TO REMAIN
GLADIOLUS RD.
BASIN 3/4 BOUNDARY
BASIN 4/5 BOUNDARY
BASIN #4 (7.08 AC)
BASIN #5 (7.64 AC)
SUMMERLIN ROAD PROJECT
WINKLER RD.
70+00
65+00
60+00
55+00
50+00
BASS RD.
GRAPHIC SCALE
200 100 0 50 100 200 300
24" RCP
C.S.
RELEASE STRUCTURE
EXIST. 53" RCP TO REMAIN
S513
S514
S515
S516
S517
S518
34"x53" RCP
EXIST. DETENTION P... FOR BASIN #... RCP
S-517
MODIFY EXIST. CO... STRUCTURE FOR B... #5
CONTROL EL. 3.50
SFWMD PERMIT #02577-S
GLADIOLUS DRIVE
CONTROL EL. 3.5
DHW25 5.33
SFWMD PERM... 36-00278-S
THE ... PES AT
P... CREEK
C... OL EL. 4.0
W25 6.54
CANAL B-1
DHW5 4.0
DHW25 5.0
36" RCP
48" RCP
45" RCP
EXIST. LAKE FOR BASIN #4
S420
30" RCP
SFWMD PERMIT #36-04104P
LAGUNA LAKES
CONTROL EL. 3.5
DHW5 4.9
DHW25 6.1
S-420
REPLACE EXIST. CONTROL STRUCTURE FOR BASIN #4 WITH TYPE "H" DITCH BOTTOM INLET, CONTROL EL. 3.50
DRAINS TO HENDRY CREEK
SUMMERLIN RD.
JAN 08 2008

LEGEND
- LAKE
- IDD CANAL
- TRIBUTARY
- DITCH
- BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- EXIST. R/W
- EXIST. EASEMENT
- C.S. CONTROL STRUCTURE
- FLOW DIRECTION
- EXIST. CULVERT
- PROP. DRAINAGE STRUCTURE
- EXIST. DRAINAGE STRUCTURE

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=200'	
DRAWN: LLC	DATE: 11/07	1"=400' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090303	N/A (11"x17")	

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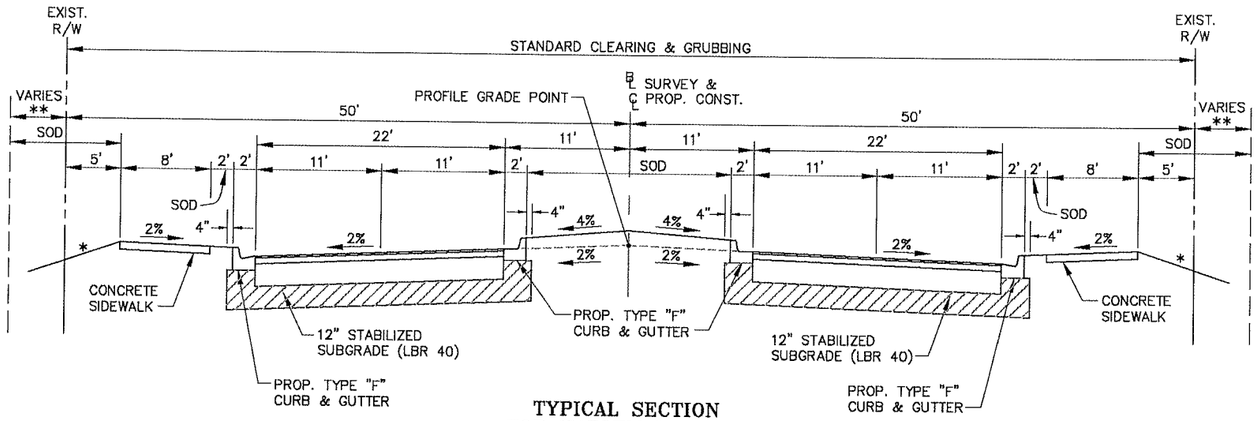
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE MAP

SHEET 5 of 207 SHEETS

* 1:4 DESIRABLE IF WITHIN R/W
1:2 MINIMUM OR FLATTER TO
SUIT PROPERTY OWNER

** IF LIMITS OF CONSTRUCTION EXCEED R/W
A PROPERTY AGREEMENT IS REQUIRED.
IF THERE IS NO AGREEMENT, A GRAVITY
WALL IS TO BE CONSTRUCTED.
SEE PLAN & PROFILE SHEETS.

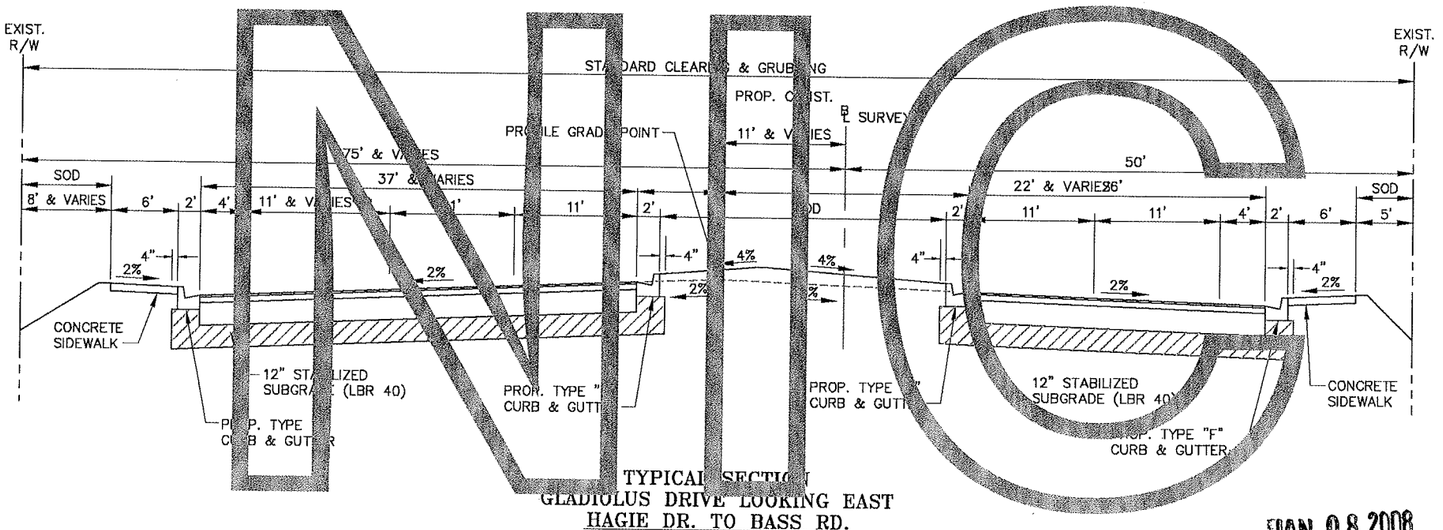


TYPICAL SECTION
FOR HARLEM HEIGHTS
GLADIOLUS DR. LOOKING EAST
PINE RIDGE RD. TO HAGIE DR.

N.T.S.

OPTIONAL BASE GROUP 11 WITH 1" S-III AND 3" S-I
DESIGN SPEED – 45 MPH

*** THIS DIMENSION IS
0' BETWEEN HAGIE DR.
AND A&W BULB RD.



TYPICAL SECTION
GLADIOLUS DRIVE LOOKING EAST
HAGIE DR. TO BASS RD.

N.T.S.

OPTIONAL BASE GROUP 11 WITH 1" S-III AND 3" S-I
DESIGN SPEED – 45 MPH

NOT FOR CONSTRUCTION

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07		N/A (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090401		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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SOUTHWEST
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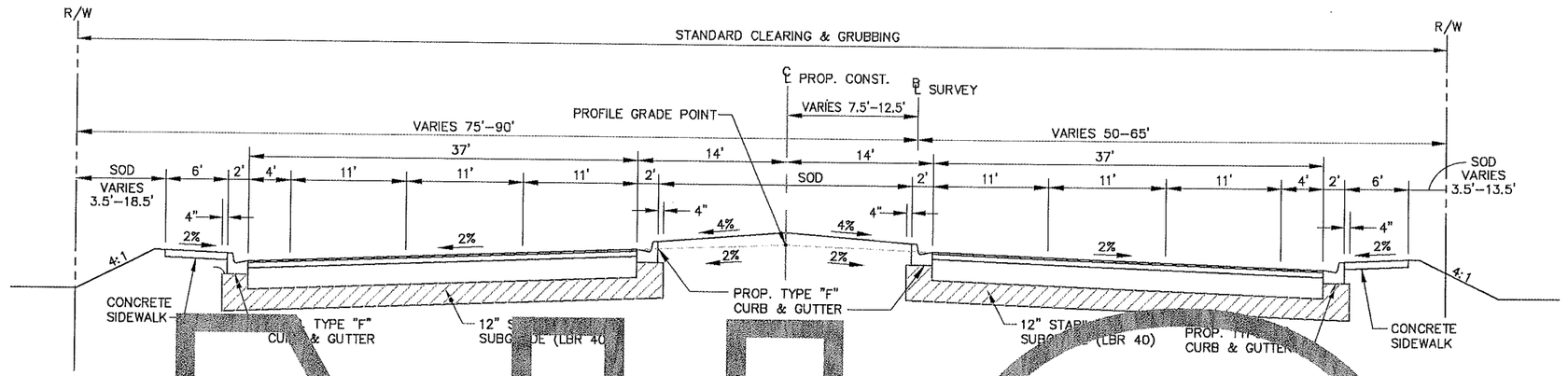
DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotlib.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TYPICAL SECTIONS

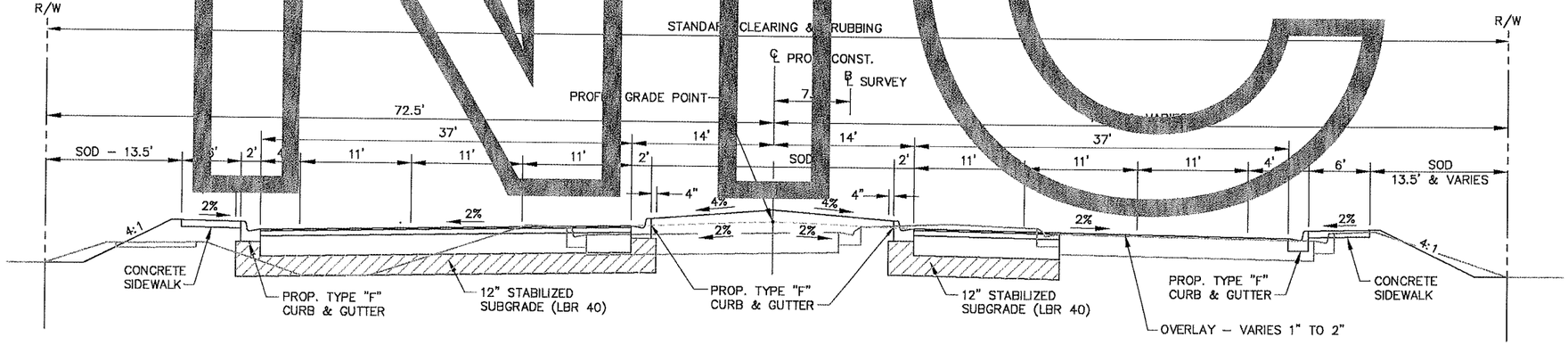
SHEET 6 of 207 SHEETS



TYPICAL SECTION
GLADIOLUS DR. LOOKING EAST
FROM BASS RD. TO STA. 1244+00

N.T.S.

OPTIONAL BASE GROUP 11 WITH 1" S–III AND 3" S–I
DESIGN SPEED – 45 MPH



TYPICAL SECTION
GLADIOLUS DR. LOOKING EAST
FROM STA. 1244+00 TO WINKLER RD.

N.T.S.

OPTIONAL BASE GROUP 11 WITH 1" S–III AND 3" S–I
DESIGN SPEED – 45 MPH

JAN 08 2008

Phase 2

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DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090402	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TYPICAL SECTIONS

SHEET 7 of 207 SHEETS

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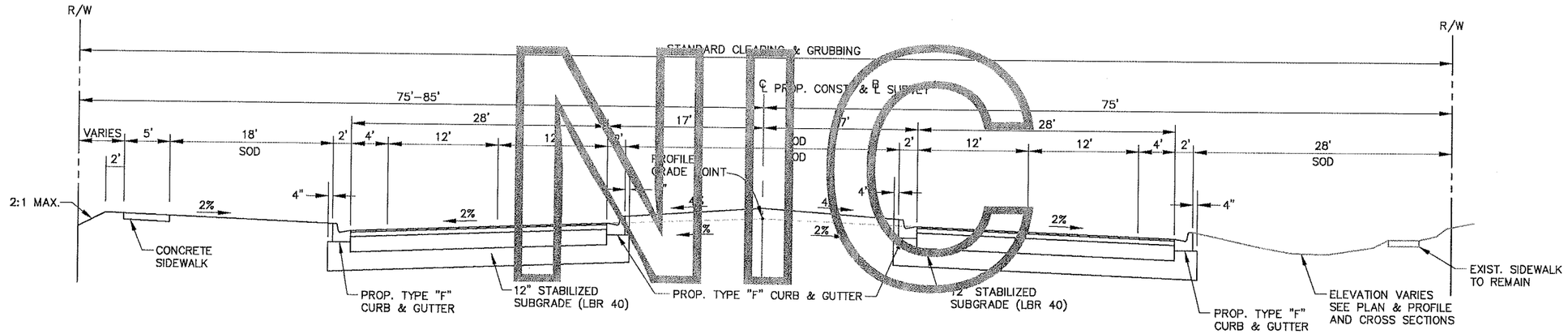
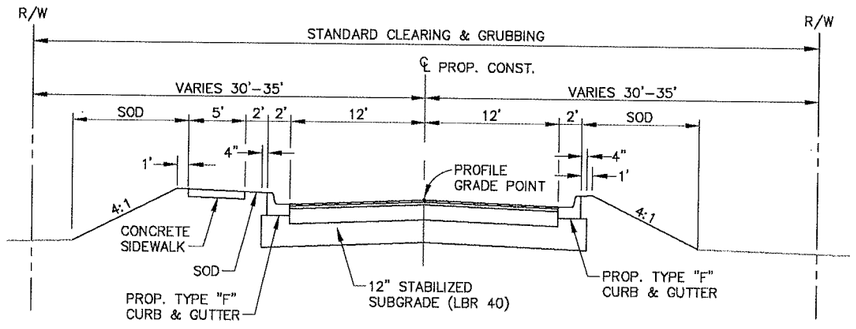


TYPICAL SECTION
BASS RD. LOOKING NORTH
N.T.S.

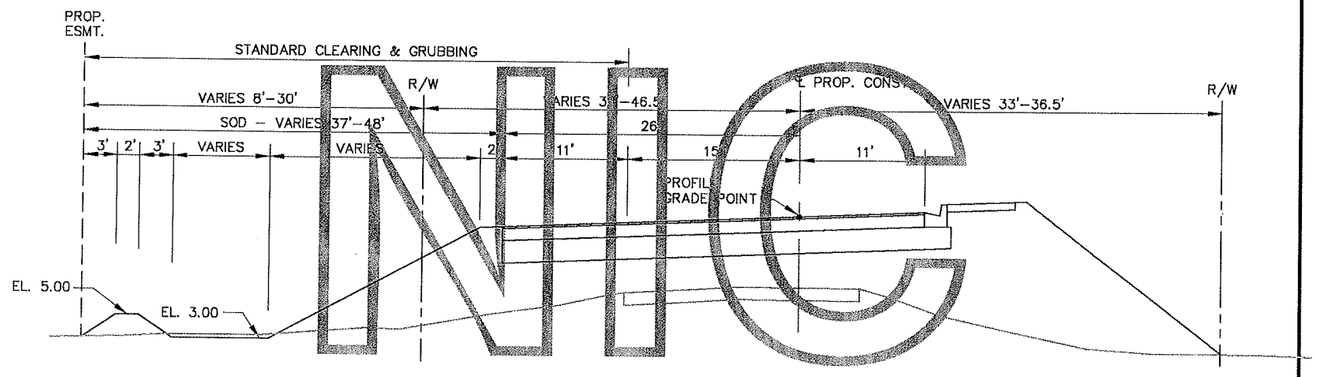
OPTIONAL BASE GROUP 9 WITH 1" S–III AND 3" S–I
DESIGN SPEED – 45 MPH



TYPICAL SECTION
HAGIE DR. LOOKING NORTH
N.T.S.

OPTIONAL BASE GROUP 6 WITH 1" S–III AND 1 1/2" S–I
DESIGN SPEED – 30 MPH

JAN 0 8 2008



TYPICAL SECTION
A&W BULB RD. LOOKING NORTH
N.T.S.

OPTIONAL BASE GROUP 6 WITH 1" S–III AND 1 1/2" S–I
DESIGN SPEED – 30 MPH

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090403	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
TYPICAL SECTIONS

SHEET 8 of 207 SHEETS

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GENERAL NOTES

1. ALL ELEVATIONS INCLUDING BENCHMARK ELEVATIONS ARE BASED ON NGVD DATUM 1929.
2. ALL STATIONS AND OFFSETS ARE MEASURED FROM THE CENTER LINE OF CONSTRUCTION.
3. FOR REFERENCE POINTS REFER TO RIGHT OF WAY MAP/CONTROL SURVEY.
4. ALL CONSTRUCTION ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SUPPLEMENTS THERETO.
5. ALL EXISTING PIPES ARE TO BE REMOVED UNLESS NOTED ON THE PLANS. PAYMENT TO BE INCLUDED UNDER THE CLEARING AND GRUBBING ITEM.
6. WHEN PLANS CALL FOR PIPE EXTENSION, PROVIDE A CONCRETE COLLAR AS SHOWN ON FDOT INDEX 280.
7. THE LOCATION OF PROPOSED DRAINAGE STRUCTURES IS GIVEN TO THE CENTER LINE OF THE BOTTOM STRUCTURE.
8. THE LENGTH OF PROPOSED PIPE IS APPROXIMATE AND FROM WALL TO WALL OF THE DRAINAGE STRUCTURE ROUNDED TO THE NEAREST FOOT.
9. THE PURPOSE FOR THE DITCH BOTTOM INLETS AND YARD DRAINS IS MAINLY TO COLLECT DRAINAGE FROM THE ADJACENT PROPERTIES. THE CONTRACTOR MAY ADJUST THE LOCATION OF THESE INLETS AND YARD DRAINS TO ENSURE PROPER DRAINAGE. MINOR REGRADING WILL BE REQUIRED TO ENSURE THAT DRAINAGE IS DIRECTED TOWARD THE INLETS AND YARD DRAINS.
10. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.
11. DURING CONSTRUCTION, ANY MANHOLE WITH A TOP ELEVATION OF ½" OR MORE ABOVE THE ADJACENT PAVEMENT SHALL HAVE A TEMPORARY ASPHALT APRON CONSTRUCTED AS SHOWN IN INDEX 600. WHEN THE POSTED SPEED LIMIT IS 50 MPH OR LESS AND THE CONDITION IS EXPECTED TO LAST LESS THAN 24 HOURS, THE ENGINEER MAY WAIVE THE APRON REQUIREMENT. THIS REQUIREMENT MAY NOT BE WAIVED WHEN THE ELEVATION DIFFERENCE EXCEEDS ONE INCH.

    THE SAME CRITERIA STATED ABOVE SHALL APPLY TO DIFFERENCES IN ELEVATION AT THE BEGINNING OR END OF ANY MILLING ACTIVITIES, AS WELL AS ANY LONGITUDINAL JOINTS WITHIN THE LIMITS OF SIGNALIZED INTERSECTIONS.

    ALL OTHER DIFFERENCES IN ELEVATION, AS WELL AS REMOVAL AND PAYMENT FOR APRONS SHALL BE PER INDEX 600.
12. EXISTING DRIVEWAY CONNECTIONS, WITHIN THE LIMITS OF THIS PROJECT, ARE TO BE REPLACED AT THE SAME LOCATION, AND WIDTH, UNLESS OTHERWISE SHOWN EITHER: IN PLANS. OR REFERENCED IN ANY DEPARTMENT OF TRANSPORTATION APPROVED APPRAISAL SUBJECT PROPERTY.
13. CONSIDER THE SEASONAL VARIATIONS IN GROWTH RATE WHEN DETERMINING THE NUMBER OF MOWING CYCLES FOR BIDDING PRUPOSES. ALL UNDISTURBED AND PERFORMANCE TURF AREAS WITHIN THE ENTIRE RIGHT OF WAY WIDTH ARE TO BE MOWED AT THE SAME FREQUENCY AS REQUIRED FOR SODDED AREAS.
14. ALL SIDEWALK CURB RAMPS TO COMPLY WITH STANDARD INDEX 304, INCLUDING THE INSTALLATION OF CURB RAMP DETECTABLE WARNINGS.
15. COST OF PAVEMENT SAW CUT AT FEATHERING LOCATIONS AND PAVEMENT WIDENING IS INCIDENTAL AND IT IS INCLUDED UNDER THE MILLING AND RESURFACING ITEMS.
16. THE CONTRACTOR SHALL COORDINATE ANY CONSTRUCTION ACTIVITY OUTSIDE THE RIGHT OF WAY WITH THE PROPERTY OWNER OF THE AFFECTED PROPERTY.
17. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT THE STORM WATER POLLUTION PREVENTION PLAN IS ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 104. PAYMENT TO BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC.
18. THE CONTRACTOR SHALL PREPARE AND APPLY THE NOTICE OF INTENT AND OBTAIN THE NPDES PERMITS FOR STORM WATER DISCHARGES FROM HIGHWAY CONSTRUCTION SITES. PAYMENT TO BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC.

SPECIAL DEWATERING NOTE

THE CONTRACTORS ATTENTION IS DIRECTED TO THE FACT THAT A WATER USE PERMIT FOR DEWATERING ACTIVITIES IS NOT INCLUDED IN THE PERMITS BEING OBTAINED BY LEE COUNTY FOR THIS PROJECT. IF THE CONTRACTOR DETERMINES THAT IT IS NECESSARY TO CONDUCT DEWATERING OPERATIONS FOR ANY CONSTRUCTION OPERATION REQUIRED FOR ANY PHASE OF THIS PROJECT THEY SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED PERMITS. THESE OPERATIONS MAY INCLUDE, BUT ARE NOT LIMITED TO, DRAINAGE STRUCTURES, PIPES, CULVERT EXTENSIONS, WATER LINES, SEWER LINES, ETC. PAYEMENT FOR OBTAINING THE PERMITS AND ALL DEWATERING OPERATIONS SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC.

ROCK NOTE

IT HAS BEEN THE EXPERIENCE OF THE DEPARMENT, WITH PROJECTS CONSTRUCTED WITHIN THIS GENERAL GOPGRAPHIC AREA, THAT ALTHOUGH PRELIMINARY BORINGS DID NOT INDICATE A CONSTANT PRESENCE OF ROCK, ROCK WAS ENCOUNTERED WHILE PREFORMING UNDERGROUND INSTALLATIONS. THEREFORE, THE CONTRACTOR SHOULD CONSIDER THE INCREASED COST OF ALL UNDERGROUND WORK ACTIVITIES WHILE PREPARING HIS BID. ALL COSTS OF ROCK EXCAVATION SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO EXTRA COMPENSATION OR TIME EXTENSION WILL BE ALLOWED FOR ADDITIONAL WORK DIRECTLY ASSOCIATED WITH THE SPLITTING, EXCAVATION, CRUSHING, DISPOSAL, REPLACEMENT OF DISPLACED VOLUME OF EXTRACTED ROCK WITH FILL MATERIAL OR SPECIAL HANDLING OF ROCK.

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

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DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020093001	N/A	(11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
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DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
GENERAL NOTES

SHEET 9 of 207 SHEETS

SUMMARY OF ROCK BAGS

LOCATION	PHASE 1 QUANTITY (EA)	PHASE 2 QUANTITY (EA)
CURB INLETS - TYPE 5		
36 INLETS x 20 ROCK BAGS PER INLET	720	
CURB INLETS - TYPE 6		
55 INLETS x 20 ROCK BAGS PER INLET	1100	
CURB INLETS - TYPE 2		
2 INLETS x 25 ROCK BAGS PER INLET	25	25
YARD DRAINS		
35 YARD DRAINS x 20 ROCK BAGS PER DRAIN	0	700
TOTAL	1845	

SUMMARY OF EARTHWORK

DESCRIPTION	PHASE 1 - CY		PHASE 2 - CY	
	P	F	P	F
REGULAR EXCAVATION				
GLADIOLUS DR.	8574.5		3953.5	
BASS RD.	1060		0	
HAGIE DR.	0		2	
A&W BULB RD.	231		0	
TOTAL REGULAR EXCAVATION	**9865.5**		**3955.5**	
EMBANKMENT				
GLADIOLUS DR.	43249		26613	
BASS RD.	21504		0	
HAGIE DR.	0		540	
A&W BULB RD.	1869		0	
TOTAL EMBANKMENT	**66622**		**27153**	
SUBSOIL EXCAVATION				
GLADIOLUS DR.				

SUMMARY OF GRAVITY WALL & ALUMINUM HANDRAIL

LOCATION STA. TO STA.	SIDE	CLASS I CONCRETE CY		STEEL LB		ALUMINUM HANDRAIL LF	
		P	F	P	F	P	F
PHASE 1							
A&W BULB RD.							
21+71.7 - 23+26.8 (A&W BULB RD.)	RT	21.7		668.0			
TOTAL PHASE 1		21.7		668.0			
PHASE 2							
GLADIOLUS DR.							
144+42.4 - 144+57.8	LT	3.4		86.0		20.0	
148+53 - 148+77.5	RT	8.25		206.0			
151+33 - 152+52	LT	15.5		476.8		109.0	
152+77.2 - 153+29.6	RT	8.7		235.8			
153+41.6 - 154+20.8	RT	15.8		429.3			
154+14.8 - 154+71.8	LT	11.4		285.0			
154+72.3 - 155+50	RT	18.2		455.0		54.0	
157+35 - 157+65	RT	4.2		127.6		20.0	
158+68 - 160+80	LT	42.4		1 060.0			
163+00 - 163+50	RT	10.0		250.0		50.0	
163+00 - 164+33.7	LT	48.8		914.4			
163+59 - 164+54	RT	24.5		613.5			
164+70.6 - 165+66.2	LT	31.7		594.6			
165+87.6 - 166+50.4	LT	12.6		314.0			
166+62.1 - 169+05	LT	77.8		1 458.6		63.0	
TOTAL PHASE 2		333.2		7 506.6		316.0	

SUMMARY OF GUARDRAIL REMOVAL

FROM STATION	TO STATION	SIDE	LENGTH (LF) PHASE 1	PHASE 2
173+68.3	174+86	LT	178.1	
173+79.4	175+56.3	RT	178.1	
1243+18	1243+62.7	RT	41	
		TOTALS	397.2	0

SUMMARY OF YARD DRAINS

DRAIN NO.	LOCATION STATION	LOCATION OFFSET	GRATE ELEVATION	YARD DRAIN	15" PVC PIPE (FEET)
1	137+00	53' RT	6.50	1	17
2	138+50	53' RT	6.28	1	19
3	140+71	53' RT	5.27	1	14
4	141+68	53' RT	4.75	1	19
5	142+00	53' LT	4.70	1	19
6	142+42	53' RT	5.40	1	20
7	143+17	53' RT	5.03	1	20
8	144+00	53' RT	5.23	1	20
9	145+17	53' RT	4.85	1	20
10	146+56	53' RT	3.75	1	20
11	147+00	52' LT	4.16	1	19
12	147+68	53' RT	4.88	1	20
13	148+28	54' RT	4.80	1	35
14	148+40	56' LT	4.77	1	19
15	148+77	53' RT	4.34	1	20
16	149+40	56' LT	4.96	1	19
17	149+82	53' RT	4.04	1	20
18	150+27	53' RT	4.28	1	20
19	150+78	53' RT	4.38	1	20
20	151+22	53' RT	4.61	1	20
21	151+59	52' LT	4.43	1	14
22	151+78	53' RT	4.17	1	20
23	152+44	53' RT	4.38	1	20
24	152+86	53' RT	4.44	1	20
25	153+15	56' LT	4.40	1	19
26	154+05	52' RT	4.60	1	20
27	154+40	56' LT	4.94	1	19
28	155+15	54' RT	4.53	1	20
29	157+14	52' LT	3.82	1	20
30	158+80	52' LT	3.79	1	19
31	162+00	52' RT	4.30	1	19
32	162+00	52' LT	3.69	1	19
33	165+63	52' LT	3.51	1	20
34	166+36	56' LT	3.48	1	20
35	167+00	52' RT	4.74	1	19
			TOTALS	35	688

SUMMARY OF FENCING

PARCEL	LOCATION STA. TO STA.	SIDE	STREET	FENCE TYPE	LENGTH (LF)	GATE (LF)	REMARKS
6	142+35 to 142+57, 142+69 to 143+17	RT	GLADIOLUS	5' CHAIN LINK	90	12	Replace 5' of fence on E & W property lines. 2-6' swing gates.
7	143+40 to 143+58	RT	GLADIOLUS	5' CHAIN LINK	0	18	2-9' swing gates.
13	148+30 to 143+33, 148+45 to 148+53	RT	GLADIOLUS	5' CHAIN LINK	34	12	Replace 18' of fence on W property line & 5' on E property line. 2-6' swing gates.
14	149+31 to 149+44	RT	GLADIOLUS	5' CHAIN LINK	0	13	2-6.5' swing gates.
17	150+75 to 151+10, 151+20 to 151+25	RT	GLADIOLUS	5' CHAIN LINK	50	10	Replace 5' of fence on E & W property lines. 2-5' swing gates.
23	154+73, 56' to 105' from C/L	RT	CONCOURSE	5' CHAIN LINK	45	12	Replace 45' of fence along W property line on Concourse. 2-6' swing gates.
33	162+57 to 163+07	RT	GLADIOLUS	5' CHAIN LINK	60	10	10' gate (2-5' swing gates) at Church St. access. Replace 5' of fence on E & W property lines
44	143+48 to 144+38	LT	GLADIOLUS	5' CHAIN LINK	90	12	Replace 5' fence on E & W property lines. 2-6' swing gates.
47	149+16 to 149+43	LT	GLADIOLUS	5' CHAIN LINK	27	40	Two 10' swing gates at each driveway.
53	152+97 to 153+49	LT	GLADIOLUS	5' CHAIN LINK	62	0	Replace 5' of fence on E & W property lines
54	153+50 to 154+05, 154+15 to 154-45	LT	GLADIOLUS	5' CHAIN LINK	95	10	Replace 5' offence on E & W property lines. 2-5' swing gates.
55	154+44 to 154+72, 154+89 o 155+54	LT	GLADIOLUS	5' CHAIN LINK	103	17	Replace 5' offence on E & W property lines. 2-8.5' swing gates
57	157+12 to 158+20	LT	GLADIOLUS	5' CHAIN LINK	118	0	Replace 5' offence on E & W property lines
64	164+75 to 165+62	LT	GLADIOLUS	5' CHAIN LINK	103	14	Replace 5' of fence on E property line & 11' at gated access on School St. 2-7' swing gates.
66	166+50 to 166+62	LT	GLADIOLUS	5' CHAIN LINK	0	12	2-6' swing gates.
FPL EASMT	1240+92.5 to 1241+40.3	LT	GLADIOLUS	POST & CABLE	51	0	Relocate to R/W
FPL EASMT	1241+60 to 1242+01	LT	GLADIOLUS	POST & CABLE	41	0	Relocate to R/W
86	1192+44 to 1194+19	RT	GLADIOLUS	BARBED WIRE	175	12	Field check gate type
91	1243+40.4 to 1244+24.4	RT	GLADIOLUS	POST & CABLE	84	0	Relocate to R/W
91	1245+80.5 to 1248+32.5	RT	GLADIOLUS	POST & CABLE	253	0	Relocate to R/W
	46+88.7 to 56+66.4	LT	BASS	BARBED WIRE	980	20	Relocate to R/W; 2-10' Gates
				TOTAL	2461	224	
				TOTAL - PHASE 1	1584	32	

SUMMARY OF SODDING

LOCATION STA. TO STA.	SIDE	PHASE 1 SY	PHASE 2 SY
Gladiolus Dr.			
134+64 to 144+00	LT & RT	0	2401.2
144+00 to 154+00	LT & RT	0	2825
154+00 to 164+00	LT & RT	0	2664.2
164+00 to 174+00	LT & RT	0	4585.4
174+00 to 181+45	LT & RT	0	7044.7
181+45 to 184+00	LT & RT	2438.7	0
184+00 to 1194+00	LT & RT	9059.9	0
1194+00 to 1204+00	LT & RT	5334.5	0
1204+00 to 1214+00	LT & RT	4546.6	0
1214+00 to 1224+00	LT & RT	3047.4	0
1224+00 to 1234+00	LT & RT	3586	0
1234+00 to 1244+00	LT & RT	4851.6	0
1244+00 to 1254+00	LT & RT	3186.4	0
1254+00 to 1260+00	LT & RT	568.3	0
Bass Rd.	LT & RT		
42+00 to 50+50	LT & RT	6342.5	0
50+50 to 61+50	LT & RT	9031.3	0
61+50 to 72+50	LT & RT	7701.6	0
Hagie Dr.	LT & RT	0	1661.5
A&W Bulb Rd.	LT & RT	6652.5	0
	TOTALS	65339.3	21182

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: LJS DATE: 11/07 | HORIZ. SCALE: N/A
DRAWN: LLC DATE: 11/07 | N/A (11"x17")
CHECKED: LJS DATE: 11/07 | VERT. SCALE: N/A
PROJ NO.: 4083 FILE: 020090501 | N/A (11"x17")

APPROVED BY:
L. SOTO
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 44343
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

SUMMARY OF QUANTITIES

SHEET 10 of 207 SHEETS

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SUMMARY OF DRAINAGE STRUCTURES

STR NO	LOCATION			DESCRIPTION	STORM SEWER													CURB INLETS								MANHOLES										DITCH BOTTOM INLETS			MITERED END SECTIONS			CLASS I CONC (CY)	CONC DITCH PAVT. (SY)	RUBBLE RIPRAP (TONS)	MODIFY STRUCTURE	REMARKS
	STATION	OFFSET	STREET		PVC (LF)	CONCRETE PIPE (LF)												P5	P6	J5				J6				TYPE P7	TYPE P8	TYPE J7			TYPE J8					"C"	"D"	"H"	18"	24"	36"					
					12"	15"	18"	24"	30"	36"	42"	48"	12"X18"	14"X23"	19"X30"	29"x45"	34"X53"	38"X60"			4'X5'	4'X6'	6'x6'	4'X7'	4'x4'	4'x5'	4'x6'	4'X7'			4'x6'	4'x7'	5'x9'	3.5'x4'	4'x6'	5'x5'	6'x6'											
101	136+00	45.25' L	GLADIOLUS	INLET, PIPE			87											1																										
102	135+09.6	45.25' L	GLADIOLUS	INLET, PIPE											87				1																										
102A	135+07.8	54' L	GLADIOLUS	MANHOLE, WEIR, PIPE				32																				1													0.23			RELIEF STRUCTURE
103	134+80.4	77' L	GLADIOLUS	INLET, PIPE				123																														1						
104	134+79.1	212.5' L	GLADIOLUS	SIDE DRAIN MES																																			1						
106	135+00	39.75' R	GLADIOLUS	INLET, PIPE				347											1																										
107	138+50	34.25' R	GLADIOLUS	INLET, PIPE				147										1																										
	139+90	44' R	GLADIOLUS	PIPE	5																																							
108	142+00	34.25' L	GLADIOLUS	INLET, PIPE			197											1																								0.11			CONSTRUCT 12" CONCRETE COLLAR
109	140+00	34.25' L	GLADIOLUS	INLET, PIPE											69				1																										
110	140+00	39' R	GLADIOLUS	INLET, PIPE												164								1																				
111	141+68	33.5' R	GLADIOLUS	INLET, PIPE												428			1																										
112	144+50	48' L	GLADIOLUS	INLET, PIPE		11												1																										
113	144+50	34.25' L	GLADIOLUS	INLET, PIPE			147																																	1						
114	147+00	34.25' L	GLADIOLUS	INLET, PIPE			97											1																										
115	146+00	34.25' L	GLADIOLUS	INLET, PIPE											62				1																										
116	146+00	32.5' R	GLADIOLUS	INLET, PIPE													366																										
117	149+70	33' R	GLADIOLUS	INLET, PIPE													186							1																				
118	148+40	34.25' L	GLADIOLUS	INLET, PIPE			97											1																										
120	149+40	34.25' L	GLADIOLUS	INLET, PIPE			217											1																										
122	151+60	39.75' L	GLADIOLUS	INLET, PIPE											67				1																										
123	151+60	33' R	GLADIOLUS	INLET, PIPE													136							1																				
124	153+00	33' R	GLADIOLUS	INLET, PIPE													446																										
125	155+45	34.25' L	GLADIOLUS	INLET, PIPE			10											1																										
125A	153+15	34.25' L	GLADIOLUS	INLET, PIPE		122												1																										
125B	154+40	34.25' L	GLADIOLUS	INLET, PIPE			102											1																										
125C	155+58	34.25' L	GLADIOLUS	MANHOLE, PIPE			189					8																1													0.13			
126	158+80	34.25' L	GLADIOLUS	INLET, PIPE			127											1																										12"x18" CONCRETE COLLAR
127	157+50	34.25' L	GLADIOLUS	INLET, PIPE											63				1																										
128	157+50	33' R	GLADIOLUS	INLET, PIPE								446												1																				
128B	157+50	48' R	GLADIOLUS	INLET, PIPE		11																																	1						
129	160+64.6	34.25' L	GLADIOLUS	INLET, PIPE			132											1																										
130	162+00	34.25' L	GLADIOLUS	INLET, PIPE											63				1																										
131	162+00	33' R	GLADIOLUS	INLET, PIPE								496												1																				
131C	164+58	47.17' R	GLADIOLUS	ENDWALL, PIPE		12																																			1.35			15" CONCRETE COLLAR, 15" ENDWALL
132	167+00	34.25' L	GLADIOLUS	INLET, PIPE											63				1																										
132B	165+50	34.25' L	GLADIOLUS	INLET, PIPE			147											1																										
133	167+00	33' R	GLADIOLUS	INLET, PIPE								66												1																				
134	167+70	45.25' R	GLADIOLUS	INLET, PIPE		8													1																										
135	167+70	33' R	GLADIOLUS	MANHOLE, PIPE								178																		1														
136	172+50	49.25' L	GLADIOLUS	INLET, PIPE											83				1																										
136A	172+48.1	55.67' L	GLADIOLUS	MANHOLE, WEIR, PIPE				10																							1											0.2			RELIEF STRUCTURE
137	172+50	64.17' L	GLADIOLUS	ENDWALL																																					2.24		8	24" ENDWALL
138	172+50	37.5' R	GLADIOLUS	INLET, PIPE						293														1																				
139	169+52.9	37' R	GLADIOLUS	MANHOLE, PIPE								122																				1													
140	33+50	13.25' L	HAGIE	INLET, PIPE			21											1																										
141	33+50	12' R	HAGIE	INLET, PIPE								130												1																				
142	32+22	21' R	HAGIE	MANHOLE, PIPE								194																		1														
143	30+24	12' R	HAGIE	INLET, PIPE								110									1																								
144	29+06	13.25' L	HAGIE	INLET, PIPE			21											1																										
145	29+06	12' R	HAGIE	INLET, PIPE								52												1																				
146	28+52	24' R	HAGIE	MANHOLE, PIPE								308																																> 10'
147	25+39	30' R	HAGIE	MANHOLE, PIPE								136																																
148	25+39	172' R	HAGIE	MANHOLE, PIPE								40																																
149	25+13.1	204.5' R	HAGIE	ENDWALL																																							
150	26+28	22.3' L	HAGIE	INLET, PIPE				50							8																									8.15		8	48" ENDWALL
151	2+72	94' R	HAGIE	INLET, PIPE				148																														1				0.9			CONSTRUCT 24" & 19"x30" CONCRETE COLLARS
152	1+96.5	94' R	HAGIE	ENDWALL																																			1					12		CONTROL STRUCTURE
201	179+00	9.75' R	GLADIOLUS	INLET, PIPE			45											1																								2.82		8	DOUBLE 24" ENDWALL
202	179+00	38.25' L	GLADIOLUS	INLET, PIPE				238										1																										

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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07		N/A (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090601		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT
of
TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

SUMMARY OF DRAINAGE STRUCTURES

SHEET 11 of 207 SHEETS

SUMMARY OF DRAINAGE STRUCTURES

STR. NO.	LOCATION			DESCRIPTION	STORM SEWER												CURB INLETS								MANHOLES								DITCH BOTTOM INLETS			MITERED END SECTIONS			CLASS I CONC. (CY)	CONC DITCH PAVT (SY)	RUBBLE RIPRAP (TONS)	MODIFY STRUCTURE	REMARKS
	STATION	OFFSET	STREET		PVC (LF)	CONCRETE PIPE (LF)											P5	P6	J5			J5			TYPE P7	TYPE P8	TYPE J7			TYPE J8													
					12"	15"	18"	24"	30"	36"	42"	48"	12"X18"	14"X23"	19"X30"	29"x45"	34"X53"	38"X60"			4'X5'	4'X6'	6'x6'	4'X7'	4'x4'	4'x5'	4'x6'	4'X7'			4'x6'	4'x7'	5'x9'	3.5'x4'	4'x6'	5'x5'	6'x6'	"C"	"D"	"H"	18"	24"	36"					
203	181+50	9.75' R	GLADIOLUS	INLET, PIPE			45										1																									
204	181+50	37.5' L	GLADIOLUS	INLET, PIPE					243								1																									
205	184+00	42' L	GLADIOLUS	MANHOLE, PIPE					251																	1																CONSTRUCT 24" RCP, 16 LF W. SIDE & PLUG W. END
206	1186+50	40.34' R	GLADIOLUS	INLET, PIPE			47											1																								
207	1186+50	9.75' L	GLADIOLUS	INLET, PIPE			27											1																								
208	1186+50	41' L	GLADIOLUS	MANHOLE, PIPE						250																																
209	1199+50	49.25' R	GLADIOLUS	INLET, PIPE			95										1											1														
210	1199+50	49.25' L	GLADIOLUS	INLET, PIPE			247										1																									
211	1197+00	49.25' R	GLADIOLUS	INLET, PIPE			95											1																								
212	1197+00	49.25' L	GLADIOLUS	INLET, PIPE				197										1																								
213	1195+00	49.25' R	GLADIOLUS	INLET, PIPE			56										1																									
214	1195+00	9.75' L	GLADIOLUS	INLET, PIPE			36										1																									
215	1195+00	49.25' L	GLADIOLUS	INLET, PIPE					356								1																									
216	1191+50	46.36' R	GLADIOLUS	INLET, PIPE			53											1																								
217	1191+50	9.75' L	GLADIOLUS	INLET, PIPE			40																																		
218	1191+50	53' L	GLADIOLUS	MANHOLE, PIPE					258																																
219	1188+96.5	46' L	GLADIOLUS	MANHOLE, PIPE					105																																
220	21+61.3	58' L	A&W BULB	INLET																																					
221	26+18.5	65.73' L	A&W BULB	CROSS DRAIN MES, PIPE				80																																	
222	33+75.7	30' L	A&W BULB	INLET, PIPE																																			2	0.70			DOUBLE 24" MES, CONSTRUCT 2-24" CONC. COLLARS
301	1201+66.5	49.25' R	GLADIOLUS	INLET, PIPE				330																														1	0.36			CONTROL STRUCTURE, CONST. 19"x30" CONC. COLLAR
301A	1201+66.5	49.25' L	GLADIOLUS	INLET, PIPE			95											1																								
302	1206+30	49.25' L	GLADIOLUS	INLET, PIPE				67										1																								
302A	1207+00	49.25' L	GLADIOLUS	INLET, PIPE														1																								
303	1205+00	60.25' L	GLADIOLUS	INLET, PIPE			127																																		
305	1205+00	48.5' R	GLADIOLUS	INLET, PIPE						195																																
306	1207+00	48.5' R	GLADIOLUS	INLET, PIPE						397																																
307	1211+00	59' R	GLADIOLUS	INLET, PIPE						19																																
308	1213+00	52.25' L	GLADIOLUS	INLET, PIPE										10																											
309	1213+00	59' R	GLADIOLUS	INLET, PIPE						22																																
310	1215+33	59' R	GLADIOLUS	MANHOLE, PIPE						20																																
311	70+50	46.25' R	BASS	INLET, PIPE			87											1																								
312	70+50	45' L	BASS	INLET, PIPE						35																																
313	66+50	45' L	BASS	INLET, PIPE						16																																
314	64+84	46.25' R	BASS	INLET, PIPE														1																								
314B	64+84	58' R	BASS	INLET, PIPE		9																																				
315	64+84	65' L	BASS	INLET TOP																																					
320	48+50	46.25' R	BASS	INLET, PIPE			89											1																								1	ADD CURB INLET TOP TYPE 2
320A	46+38.9	27.7' R	BASS	EX. MANHOLE																																				1	RAISE MANHOLE TOP
321	48+50	46.25' L	BASS	INLET, PIPE														1																								
322	52+50	46.25' L	BASS	INLET, PIPE														1																								
323	54+50	46.25' R	BASS	INLET, PIPE			88											1																								
323B	54+50	58' R	BASS	INLET, PIPE		9																																				
324	54+50	45.5' L	BASS	INLET, PIPE					186																																
325	56+40	45.5' L	BASS	INLET, PIPE					396																																
326	60+40	46.25' R	BASS	INLET, PIPE			93											1																								
327	60+40.8	53' L	BASS	INLET TOP																																					
332	1198+11	868' R	GLADIOLUS	EX. CONTROL STRUCTURE																																				1	GLADIOLUS PRESERVE EX. CONTROL STRCTR FOR BASIN 3
401	1218+25	52.25' L	GLADIOLUS	INLET, PIPE												100		1																								
403	1218+25	51.5' R	GLADIOLUS	INLET, PIPE					496																																
404	1221+67	52.25' L	GLADIOLUS	INLET, PIPE			135										1																								
405	1223+25	52.25' L	GLADIOLUS	INLET, PIPE												99		1																								
407	1223+25	51' R	GLADIOLUS	INLET, PIPE							496							1																								
408	1228+25	52.25' L	GLADIOLUS	INLET, PIPE										99				1																								
409	1228+25	51' R	GLADIOLUS	INLET, PIPE							471																															
410	1233+00	51' R	GLADIOLUS	INLET, PIPE							95																															
411	1234+00	63.25' L	GLADIOLUS	INLET, PIPE												110		1																								
412	1234+00	51' R	GLADIOLUS	INLET, PIPE							121																															

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090602	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotlle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
SUMMARY OF DRAINAGE STRUCTURES

SUMMARY OF DRAINAGE STRUCTURES

	STR. NO	LOCATION			DESCRIPTION	STORM SEWER												CURB INLETS										MANHOLES									DITCH BOTTOM INLETS			MITERED END SECTIONS			CLASS I CONC. (CY)	CONC DITCH PAVT. (SY)	RUBBLE RIPRAP (TONS)	MODIFY STRUCTURE	REMARKS
		STATION	OFFSET	STREET		PVC (LF)	CONCRETE PIPE (LF)											P5	P6	J5				J6				TYPE P7	TYPE P8	TYPE J7			TYPE J8				"C"	"D"	"H"	18"	24"	36"					
						12"	15"	18"	24"	30"	36"	42"	48"	12"X18"	14"X23"	19"X30"	29"x45"	34"X53"	38"X60"			4'X5'	4'X6'	6'x6'	4'X7'	4'x4'	4'x5'	4'x6'	4'X7'			4'x6'	4'x7'	5'x9'	3.5'x4'	4'x6'	5'x5'	6'x6'											
NIC	412	1249+09	53.25' L	GLADIOLUS	INLET, PIPE										120			1																										
NIC	414	1249+09	61.5' R	GLADIOLUS	INLET, PIPE						170																																		
NIC	415	1235+25.5	51' R	GLADIOLUS	INLET, PIPE							1								1				1																					
NIC	430	1240+43	146' R	GLADIOLUS	INLET																																								
NIC	506	1250+12.0	47.0' L	GLADIOLUS	MANHOLE, PIPE												226															1												
NIC	507	1252+73	83.25' R	GLADIOLUS	INLET, PIPE										40																													
NIC	509	1253+73	53' L	GLADIOLUS	INLET, PIPE												420																												
NIC	510	1240+40	51' L	GLADIOLUS	INLET, PIPE							329								1				1																					
NIC	510A	1240+49	62.25' R	GLADIOLUS	INLET, PIPE										239																													
NIC	511	1247+07	83.25' R	GLADIOLUS	INLET, PIPE										36																													
NIC	513	1247+07	51.5' L	GLADIOLUS	INLET, PIPE							423																																	
NIC	513	1242+70.5	55.5' L	GLADIOLUS	INLET, WEIR, PIPE			17										15																											
NIC	514	1243+69.1	60.5' R	GLADIOLUS	EX. MANHOLE																											1													
NIC	517	1243+01.6	552.6' R	GLADIOLUS	EX. CONTROL STRUCTURE																																								
	01	168+94.6	62' L	GLADIOLUS	INLET, PIPE			70																																			
	02	169+67.5	87.6' L	GLADIOLUS	SIDE DRAIN MES																																		1						
NIC	93	1242+17	55' L	GLADIOLUS	ENDWALL, PIPE				2																														1					
NIC	94	1242+17	55' L	GLADIOLUS	MANHOLE, PIPE				40																																	3.24		4.8		
NIC	95	1243+16.5	36' R	GLADIOLUS	ENDWALL																																					0.78				
					PHASE 1 TOTALS	0	18	1560	769	1444	2161	1253	2379	0	612	411	236	474	0	14	21	2	4	1	0	0	0	6	0	1	1	0	0	1	2	1	1	1	2	2	1	0	2	0	3.24		5		CONST. 2.24' CONCRETE COLLARS
					PHASE 2 TOTALS	5	164	1706	1095	0	293	0	2278	8	0	565	592	0	1134	13	14	1	1	0	2	0	2	5	2	1	0	2	2	0	0	1	0	3	2	3	1	1	1	0	8.57	18	12.8	6	3.4' ENDWALL
					TOTALS	5	182	3266	1864	1444	2454	1253	4657	8	612	976	828	474	1134	27	35	3	5	1	2	0	8	11	2	2	1	2	2	1	2	2	1	4	4	5	2	1	3	0	24.7	18	48.6	6	

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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090603	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

SUMMARY OF DRAINAGE STRUCTURES

SHEET 13 of 207 SHEETS

CURVE #1
R=1145.92'
Δ=37°33'20"
L=751.11'
T=389.61'
Chord=737.74'
Chord Brg.=N70°19'48"E
PC=175+00.98
PT=182+52.10

CURVE #2
R=1432.40'
Δ=37°22'37"
L=934.43'
T=484.52'
Chord=917.95'
Chord Brg.=N70°14'26"E
PC=184+75.80
PT=194+10.23

CURVE #3
R=1432.39'
Δ=37°22'37"
L=934.42'
T=484.52'
Chord=917.94'
Chord Brg.=N70°14'26"E
PC=1184+93.92
PT=1194+28.35

GRAPHIC SCALE
200 100 0 50 100 200 300

PT STA. 1194+28.35, C/L CONST.=
STA. 194+24.62, −11', B/L SURVEY

SHT 50
SHT 49
SHT 27
A&W BULB RD.
1195+00
195+00
1190+00
190+00
CURVE #3
N88°55'45"E
N88°55'45"E
11'
CURVE #2
SHT 25
SHT 26
PT STA. 194+10.23
B/L SURVEY
MATCH STA. 1197+50

EQUATION: STA. 184+75.80 C/L CONST. &
B/L SURVEY=STA. 1184+75.80 C/L CONST.

1185+00
185+00
N53°03'08"E
180+00
PC STA. 184+93.92, C/L CONST.
STA. 184+93.92, −0.11', B/L SURVEY
PT STA. 182+52.10, C/L CONST.
& B/L SURVEY

PINE RIDGE RD.
SHT 16
SHT 17
SHT 18
JOHNSON ST.
SHT 19
WALL ST.
CODIE ST.
SHT 20
STRAIGHT ST.
SCHOOL ST.
SHT 21
ALEXANDRIA CT.
SHT 22
IDD CANAL "C"
SHT 23
SHT 24
135+00
140+00
145+00
150+00
155+00
160+00
165+00
170+00
175+00
N89°06'27"E
CURVE #1
CONCOURSE DR.
GLADIOLUS DR.
CHURCH ST.
PC STA. 175+00.98, C/L CONST.
& B/L SURVEY

STA. 181+45
PHASE 1
NIC
PHASE 2

SHT 48
30+00
SHT 47
25+00
HAGIE DR.
20+00
3+00
SHT 46
2+00
2.00
2.00
2.00

NOTE
FOR BASELINE REFERENCE POINTS REFER TO
RIGHT OF WAY MAP/CONTROL SURVEY DRAWINGS

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090708.dwg 12/4/2007 10:24:04 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=200'	
DRAWN: LLC	DATE: 11/07		1"=400' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090708		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PROJECT LAYOUT

SHEET
14
of
207
SHEETS

MATCH STA. 1197+50

SHT. 28 | SHT. 29 | SHT. 30 | SHT. 45 | SHT. 31 | SHT. 32 | SHT. 33 | SHT. 34 | SHT. 35 | SHT. 36 | SHT. 37 | SHT. 38

1205+00 205+00 | 1210+00 210+00 | 1215+00 215+00 | 1220+00 220+00 | 1225+00 225+00 | 1230+00 230+00 | 1235+00 235+00 | 1240+00 240+00 | 1245+00 245+00 | 1250+00 250+00 | 1255+00 255+00

N88°55'45"E | N88°55'45"E | N88°04'11"E | N88°55'57"E | N88°55'57"E | N89°00'16"E | N89°00'16"E | N89°00'16"E

11' | 12.5' | 7.5'

PRESERVE BLVD.

GLADIOLUS PRESERVE

PI STA. 1213+00 C/L CONST.=
STA. 212+96.28, −11', B/L SURVEY

PI STA. 1215+78.44 C/L CONST.=
STA. 215+74.71, −12.5', B/L SURVEY

PI STA. 215+74.71 B/L SURVEY

PI STA. 1242+29.94 C/L CONST.=
STA. 242+26.19, −12.5', B/L SURVEY

PI STA. 242+26.20
B/L SURVEY

CURVE #4 | CURVE #5

GLADIOLUS DR.

LAKES OF LAGUNA BLVD.

AVALON BAY LVD.

WINKLER RD.

STA. 1257+05.86 C/L CONST.=
STA. 257+02.06, −7.50', B/L SURVEY

PT STA. 1246+42.27 C/L CONST.=
STA. 246+38.48, −7.50', B/L SURVEY

PI STA. 1244+73.01 C/L CONST.=
STA. 244+69.24, −10', B/L SURVEY

LAGUNA LAKES

SHT. 52 | SHT. 53

70+00 | 65+00 | 60+00 | 50+00 | 45+00 | 40+00

SHT. 44 | SHT. 43 | SHT. 42 | SHT. 41 | SHT. 40 | SHT. 39

BASS RD.

CURVE #
R=5729.
Δ=1°41'33
L=169.26
T=84.64'
Chord=16
Chord Br 89°51'03"E
PC=1243 75
PRC= 12 3.01

CURVE #
R=5729.
Δ=1°41'33
L=169.26
T=84.64'
Chord=16
Chord Br 89°51'03"E
PRC=124 3.01
PT=1246 27

GRAPHIC SCALE
200 100 0 50 100 200 300

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090709.dwg 12/4/2007 10:29:48 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=200'	
DRAWN: LLC	DATE: 11/07	1"=400' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020090709	N/A (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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of
TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
FINE RIDGE ROAD TO WINKLER ROAD

PROJECT LAYOUT

SHEET 15 of 207 SHEETS

MATCH STA. 11+00 BELOW

LIMITS OF OVERLAY STA. 11+00

LIMITS OF OVERLAY STA. 133+57.7

LIMITS OF OVERLAY STA. 132+00

NOTE
SEE INTERSECTION DETAIL SHEET

PROP. 24" RCP

PROP. SIGNAL POLE LOCATION STA. 134+88, 58.5' L

PROP. 18" RCP, 87 LF

PROP. 24" RCP, 5 LF

PROP. 24" RCP, 32 LF

Fnd. NGS Bench Mark, El. 6.56

PROP. TYPE "F" CURB & GUTTER

PROP. 8' CONC. SIDEWALK

PROP. R/W

Sidewalk

BT UG CONDUIT 10-4", 2-5"

Exist. EOP

PROP. 19"x30" ERCP, 82 LF

LIMITS OF OVERLAY STA. 134+84.2

GLADIOLUS DR.

PROP. ℄ OF CONST. & ℄ OF SURVEY

STA. 134+42.49 GLADIOLUS DR.
STA. 10+00 PINE RIDGE RD.

PROP. 24" RCP, 347 LF

PROP. 24" RCP, 147 LF

12"x18" ERCP

Chain Link Fence

Gate

PROP. "D" CURB

PROP. SIGNAL POLE LOCATION STA. 134+74.5, 65' R

PINE RIDGE RD

Asph.

MATCH STA. 139+00

GRAPHIC SCALE
20 0 10 20 40

20' DRAINAGE EASEMENT

PROP. 24" RCP – 123 LF

LIMITS OF OVERLAY STA. 9+00

MATCH STA. 11+00 ABOVE

PVI STA = 134+50
PVI ELEV = 6.65
PVI STA = 135+00
PVI ELEV = 6.50
PVI STA = 137+50
PVI ELEV = 7.25
−0.30%
0.30%
−0.30%
PROP. PROFILE GRADE
EXIST. PROFILE ⊕ ℄ CONST.
PROP. 24" RCP
PROP. 24" RCP

135+00 136+00 137+00 138+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090801	1"=4' (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 16 of 207 SHEETS

LEGEND

BRICK PATTERNED/ TEXTURED ASPHALT PAVEMENT

GRAPHIC SCALE

20 0 10 20 40

BENCH MARK
+00.68, 53.35' L
EL. 4.90

Fnd. Conc. Monument
+09.52
50.25' L

5' VOLUNTARY SLOPE EASEMENT

5' VOLUNTARY SLOPE EASEMENT

PROP. 8' CONC. SIDEWALK

PROP. HANDRAIL 20 LF, INDEX 850

Chain Link Fence

PROP. 15" RCP, 11 LF

+00 | 140+00 | 141+00 | 142+00 | 143+00 | 144+00 | 145+00

R/W

MATCH STA. 139+00

MATCH STA. 145+00

S-109 | S-110 | S-111 | S-108 | S-112 | S-113

A 12 | CR-10

Sidewalk | Asphalt | Exist. EOP | Exist. Wall With Fence | Chain Link Fence | Gate | Conc. | Gravel

18" RCP | 12" RCP | 15" RCP | 12"x18" ERCP

BT UG CONDUIT 10-4", 2-5"

PROP. 18" RCP, 197 LF

PROP. 18" RCP, 147 LF

TEL. MH

N89°06'27"E

PROP. ℄ OF CONST. & ℄ OF SURVEY

PROP. TYPE "F" CURB & GUTTER

2.5' R | 75' R | 50' R | 4' R | 2.5' R

PROP. 19"x30" ERCP, 69 LF

NOTE
SEE DRIVEWAY DETAIL SHEET PARCEL 4

PROP. 29"x45" ERCP, 164 LF

GLADIOLUS DR.

PROP. CONCRETE SIDEWALK

PROP. 29"x45" ERCP, 428 LF

PROP. 24" RCP

PROP. 8' CONC. SIDEWALK

PROP. 12" PVC, 5 LF

BTVFO | OE/OHTV | R/W

PVI STA = 140+00
PVI ELEV = 6.50

PVI STA = 143+00
PVI ELEV = 7.40

-0.30% | 0.30% | -0.30%

PROP. PROFILE GRADE

EXIST. PROFILE @ ℄ CONST.

PROP. 24" RCP

PROP. 29"x45" ERCP

PROP. 29"x45" ERCP

8 | 4 | 0 | -4

139+00 | 140+00 | 141+00 | 142+00 | 143+00 | 144+00 | 145+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090802	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 17 of 207 SHEETS

GRAPHIC SCALE
20 0 10 20 40

+00 | 146+00 | 147+00 | 148+00 | 149+00 | 150+00 | 151-

5' VOLUNTARY SLOPE EASEMENT
PROP. 18" RCP, 97 LF
PROP. 8' CONCRETE SIDEWALK
+77.21 51.48' L
Fnd. Conc. Monument
Asph.
Chain Link Fence
Gate
5' VOLUNTARY SLOPE EASEMENT
PROP. 15" RCP, 96 LF
PROP. TYPE "F" CURB & GUTTER
PROP. 18" RCP, 217 LF
BENCH MARK +92.60, 54.49' L EL. 4.35
Gravel
R/W

MATCH STA. 145+00 | MATCH STA. 151+00

PROP. 18" RCP
BT UG CONDUIT 10-4", 2-5"
Exist. EOP
Asph.
Sidewalk
Tele. MH
PROP. CONC. SIDEWALK W/TYPE "D" CURB
PROP. 19"x30" ERCP, 63 LF
GLADIOLUS DR.
N89°06'27"E
PROP. 38"x60" ERCP, 366 LF
PROP. 38"x60" ERCP, 186 LF
PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR
PROP. ℄ OF CONST. & ℄ OF SURVEY
PROP. TYPE "F" CURB & GUTTER
SEE MEDIAN DETAIL ON DRIVEWAY DETAILS SHEET
PROP. 29"x45" ERCP
PROP. 8' CONCRETE SIDEWALK
Conc.
Exist. Wall With Fence
Chain Link Fence

S-115 | S-114 | S-116 | S-118 | S-120 | S-117
A 12 | CR 10 | CR 6
15" RCP | 18" RCP

NOTE
SEE DRIVEWAY DETAIL SHEET PARCEL 13

PROP. GRAVITY WALL, TOP EL. 7.50
HANDRAIL (INDEX 850)

LEGEND
BRICK TYPE PATTERNED/TEXTURED ASPHALT PAVEMENT

PVI STA = 146+00
PVI ELEV = 6.50
PVI STA = 148+50
PVI ELEV = 7.48
PROP. PROFILE GRADE
−0.30%
0.39%
−0.32%
EXIST. PROFILE ℄ CONST.
PROP. 29"x45" ERCP
PROP. 38"x60" ERCP
PROP. 38"x60" ERCP
8 | 4 | 0 | −4
145+00 | 146+00 | 147+00 | 148+00 | 150+00 | 151+00

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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090803	1"=4'	(11"x17")

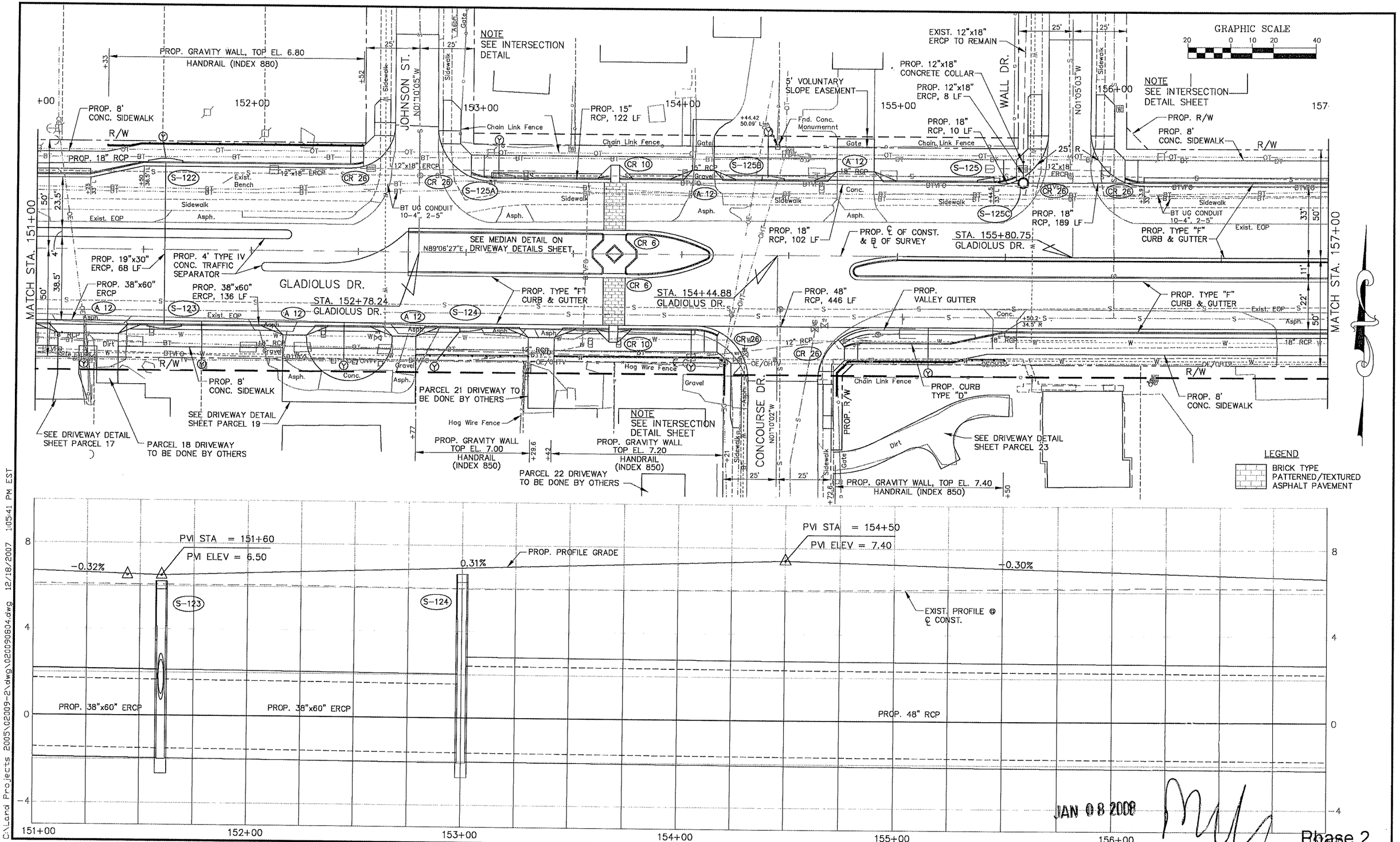
APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 18 of 207 SHEETS



JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090804		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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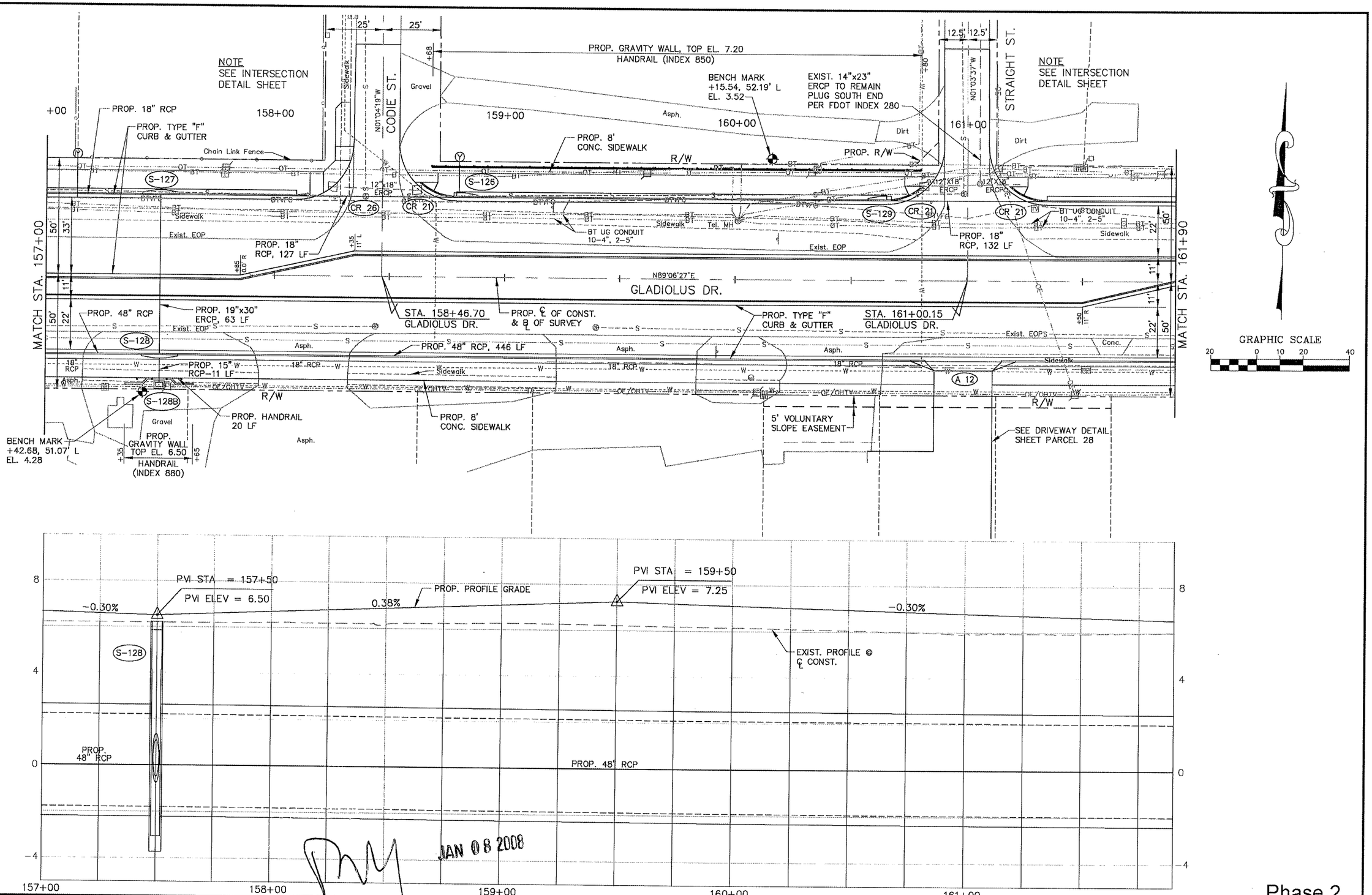
DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dottitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 19 of 207 SHEETS



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090805	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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1500 MONROE STREET
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DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 20 of 207 SHEETS

C:\Lano Projects 2005\02009-2\dwg\020090805.dwg 12/18/2007 1:12:06 PM EST

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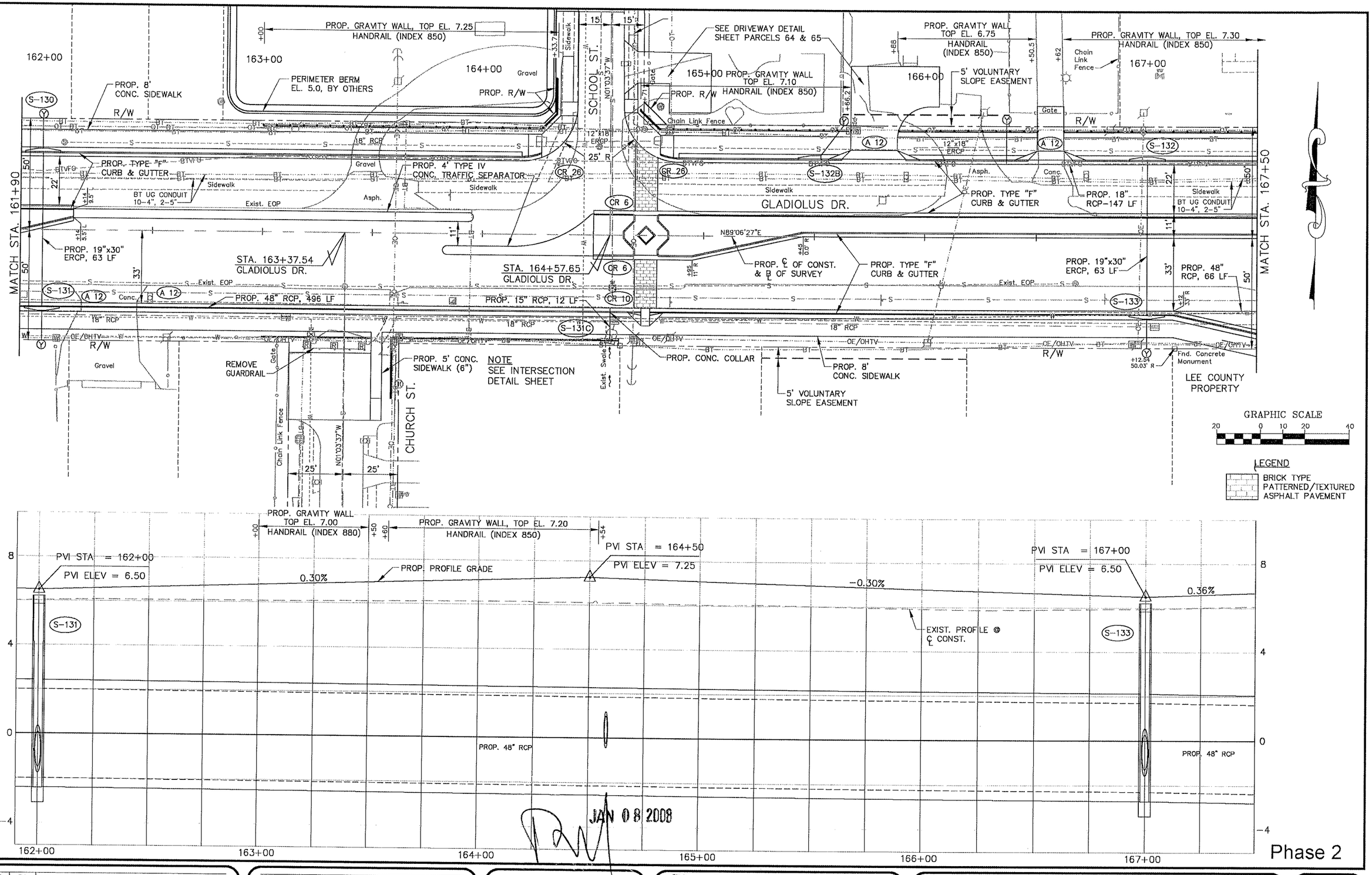

GRAPHIC SCALE
20 0 10 20 40

LEGEND
BRICK TYPE PATTERNED/TEXTURED ASPHALT PAVEMENT

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090806	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 21 of 207 SHEETS

PROP. GRAVITY WALL, TOP EL. 7.30
HANDRAIL (INDEX 850)

NOTE
SEE INTERSECTION
DETAIL SHEET

PROP. R/W
EXIST. PVC
TO REMAIN
PROP. 18"
RCP, 70 LF
SCHOOL SIGN
TO BE RELOCATED
TOE OF SLOPE
PROP. RUBBLE
RIP-RAP, 10'x10'
BENCH MARK
+97.81, 49.45' L
EL. 2.97
PROP. SIGNAL
LOCATION,
STA. 169+05
52' L
PROP. SIGNAL POLE LOCATION
STA. 169+75, 63' L
PROP. 6'
CONC. SIDEWALK
PROP. 24"
RCP, 6.5 LF
PROP. 24"
RCP, 2.7 LF
PROP. TYPE
"D" CURB
PROP. TYPE "F"
CURB & GUTTER
WETLAND
BOUNDARY
Exist.
Cable Marker
BT UG CONDUIT
10-4", 2-5"
PROP.
VALLEY GUTTER
STA. 169+42.65
GLADIOLUS DR.
GLADIOLUS DR.
PROP. ℄ OF CONST.
& ℗ OF SURVEY
PROP. 19"x30"
ERCP, 83 LF
PROP. 15"
RCP, 8 LF
PROP. TYPE "F"
CURB & GUTTER
PROP. 48"
RCP, 178 LF
PROP. 36"
RCP, 293 LF
PROP. TYPE "F"
CURB & GUTTER
WETLAND
BOUNDARY
PROP. SIGNAL POLE LOCATION
STA. 169+75, 48' R
PROP. 6'
CONC. SIDEWALK
PROP. SIGNAL POLE LOCATION
STA. 168+89, 60' R
TOE OF SLOPE
STA. 169+32.76 GLADIOLUS DR.
STA. 35+12.52 HAGIE DR.
WETLAND
BOUNDARY
PROP. 48" RCP
TOE OF SLOPE
PROP. R/W
SEE SHEET 48

MATCH STA. 167+50
MATCH STA. 173+00
ALEXANDRIA CT.
HAGIE DR.
168+00
169+00
170+00
171+00
172+00
173+00
35+00
S-01
S-02
S-134
S-135
S-136
S-136A
S-137
S-138
S-139
CR 26
CR 2
R/W
Sidewalk
Exist. EOP
Tele. MH
OE, OHTV
BTVFO
18" RCP

LEGEND
WETLAND
WETLAND IMPACT

GRAPHIC SCALE
20 0 10 20 40

+60 SUPERELEVATION TRANSITION

PROP. PROFILE GRADE
0.36%
PVI STA = 169+50
PVI ELEV = 7.40
-0.30%
PVI STA = 172+50
PVI ELEV = 6.50
0.30%
EXIST. PROFILE @ ℄ CONST.
PROP. 48" RCP
PROP. 36" RCP
8
4
0
-4
168+00
169+00
170+00
171+00
172+00
173+00

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090807		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA

DEPARTMENT
of
TRANSPORTATION

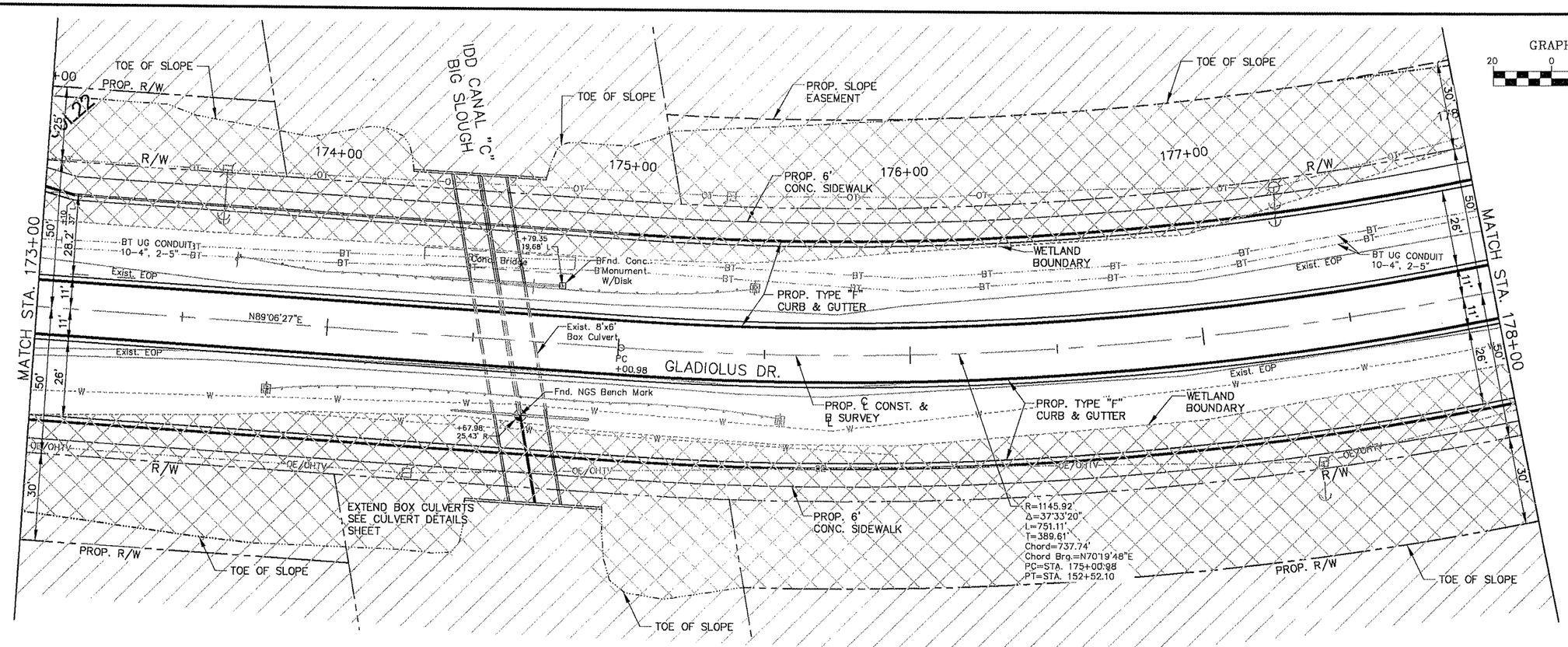
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

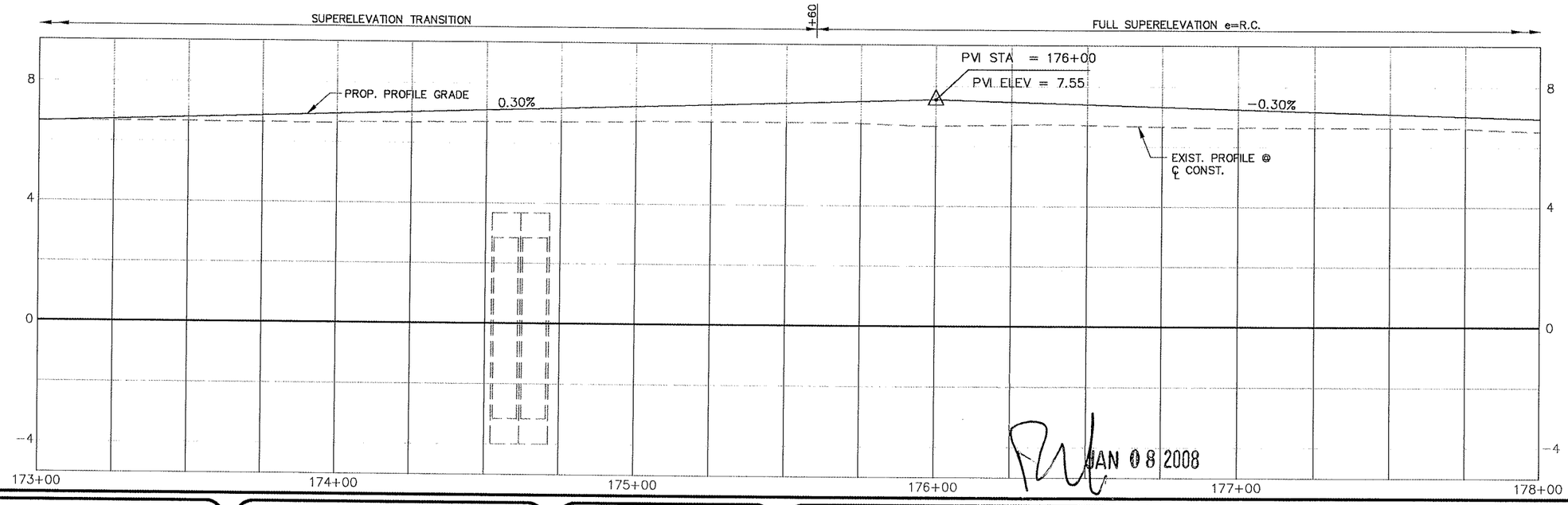
SHEET 22 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020090807.dwg 12/18/2007 1:33:20 PM EST



LEGEND

- WETLAND
- WETLAND IMPACT



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090808		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION

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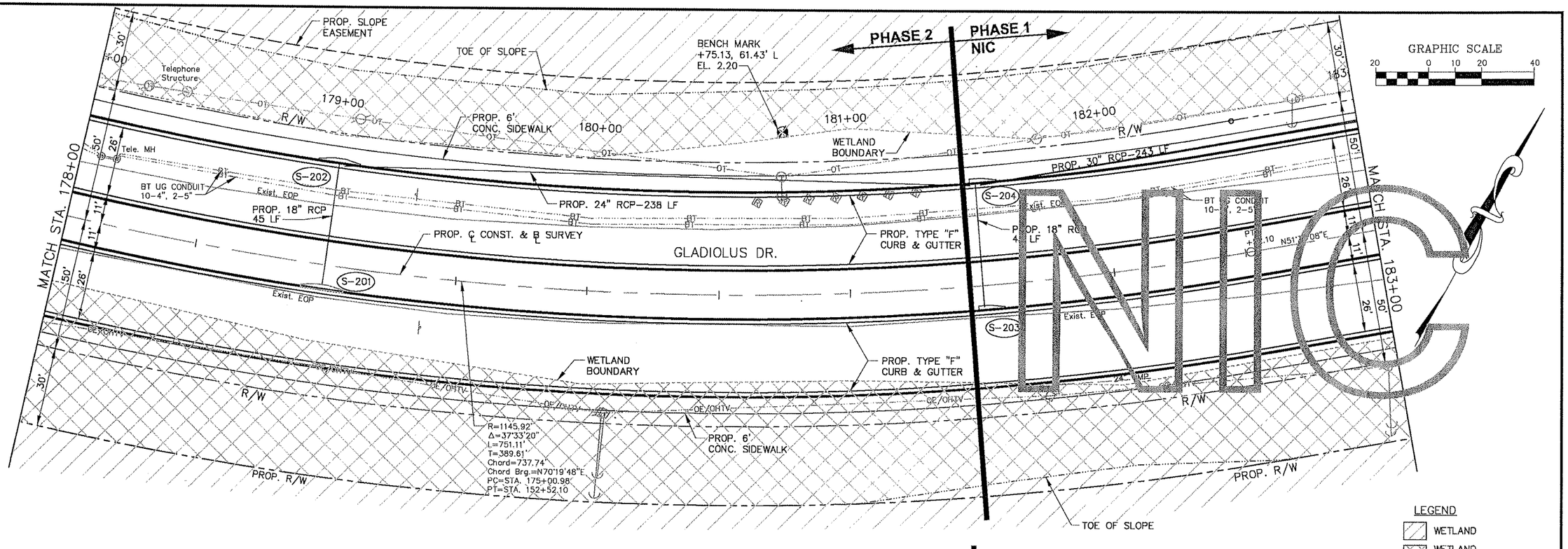
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 23 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020090808.dwg 11/7/2007 11:25:39 AM EST



C:\Land Projects 2005\02009-2\dwg\020090809.dwg 12/4/2007 10:45:26 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090809		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE - GLADIOLUS DRIVE

C:\Land Projects 2005\02009-2\dwg\02009810.dwg 11/7/2007 120911 PM EST

PROP. C/L CONST.
R=1432.39'
Δ=37°22'37"
L=934.42'
T=484.52'
Chord=917.94'
Chord Brg.=N70°14'26"E
PC=Sta. 1184+93.92=
Sta. 184+93.92, -0.11' B/L SURVEY
PT=Sta. 1194+28.35=
Sta. 194+24.62, -11', B/L SURVEY

PROP. SLOPE EASEMENT
TOE OF SLOPE
PROP. 6' CONC. SIDEWALK
WETLAND BOUNDARY
PROP. 30" RCP
PROP. 30" RCP-251 LF
PROP. TYPE "F" CURB & GUTTER
BT UG CONDUIT 10-4", 2-5"
Exist. EOP
PROP. C/L N51°33'08"E
PROP. 18" RCP, 27 LF
PROP. 36" RCP-250 LF
PT +06.95 37' L
N60°04'23"E
R=1432.40', 0' R B/L SURVEY
PROP. 18" RCP, 47 LF
R=1395.40', 37' R B/L SURV
R/W
MATCH STA. 183+00
MATCH STA. 1188+00
S-205
S-207
S-208
GLADIOLUS D
PROP. C/L & B/L SURVEY
PROP. 6' CONC. SIDEWALK
B/L SURVEY
R=1432.40'
Δ=37°22'37"
L=934.43'
T=484.52'
PC=Sta. 184+75.80
PT=Sta. 194+23
+20
SUPERELEVATION TRANSITION
FULL SUPERELEVATION e=R.C.
PVI STA = 184+00
PVI ELEV = 8.45
PROP. PROFILE GRADE
0.36%
-0.30%
PVI STA = 1186+50
PVI ELEV = 7.70
0.30%
EXIST PROFILE @ ℄ CONST.
PROP. 30" RCP
PROP. 30" RCP
PROP. 36" RCP
STA BACK: 184+75.80
STA AHD: 1184+75.80
8
4
0
-4
183+00
184+00
1185+00
1186+00
1187+00
1188+00

GRAPHIC SCALE
20 0 10 20 40

LEGEND
WETLAND
WETLAND IMPACT

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090810	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST FLORIDA
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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 25 of 207 SHEETS

SEE SHEET 49

NOTE
SEE INTERSECTION DETAIL SHEET

PROP. TOE OF SLOPE

PROP. SILT FENCE & TOE OF SLOPE

PROP. 36" RCP

A&W BULB RD.

PROP. SIGNAL POLE LOCATION 1188+95, 62' L

1189+00

189+00

21+00

CR 20

S-219

N60°04'23"E

PROP. 36" RCP

WETLAND BOUNDARY

N01°15'28"W

STA. 1189+18.15 GLADIOLUS DR.
STA. 20+19.26 A&W BULB RD.

PROP. ℄ CONST.

WETLAND BOUNDARY

S-217

PROP. 18" RCP, 40 LF

PROP. TYPE "F" CURB & GUTTER

PROP. C/L CONST.
R=1432.39'
Δ=37°22'37"
L=934.42'
T=484.52'
Chord=917.94'
Chord Brg.=N70°14'26"E
PC=Sta. 1184+93.92=
Sta. 184+93.92, -0.11' B/L SURVEY
PT=Sta. 1194+28.35=
Sta. 194+24.62, -11' B/L Survey

PROP. SILT FENCE & TOE OF SLOPE

1190+00
190+00

PROP. SIGNAL POLE LOCATION 1190+00, 62' L

1191+00
191+00

1192+00
192+00

PROP. 6' CONC. SIDEWALK

PROP. SLOPE EASEMENT

S-218

PROP. 36" RCP, 258 LF

30"RCP-356 LF

MATCH STA. 1188+00

MATCH STA. 1193+00

R=1432.40', 0' RT B/L SURVEY

R=1421.40', 11' RT B/L SURVEY

R=1395.40', 37' RT B/L SURVEY

GLADIOLUS DR.

STA. 189+15.39 GLADIOLUS DR.
STA. 20+13.54 A&W BULB RD.

BENCH MARK
+72.78, 37' R
EL. 3.40

BENCH MARK
+18.30, 61' R
EL. 3.32

PROP. SIGNAL POLE LOCATION 1189+53' R

PROP. 6' CONC. SIDEWALK

PROP. TYPE "F" CURB & GUTTER

S-216

OE/OHTV

R/W

Barbed Wire Fence

PROP. SIGNAL POLE LOCATION 1188+49, 52' R

TOE OF SLOPE

PROP. SILT FENCE

PROP. SLOPE EASEMENT

PROP. SLOPE EASEMENT

RESET BARBED WIRE FENCE OUTSIDE OF R/W

B/L SURVEY
R=1432.40'
Δ=37°22'37"
L=934.43'
T=484.52'
Chord=917.95'
Chord Brg.=N70°14'26"E
PC=Sta. 184+75.80
PT=Sta. 194+10.23

1191+00

RESET BARBED WIRE FENCE OUTSIDE OF R/W

GRAPHIC SCALE
20 0 10 20 40

LEGEND
- WETLAND
- WETLAND IMPACT

ULL SUPERELEVATION e=R.C.

PVI STA = 1189+0
PVI ELEV = 8.45

PROP. PROFILE GRADE

PVI STA = 11 50
PVI E 7.70

0.30%

0.36%

EXIST. PROFILE @ ℄ CONST.

S-219

S-218

PROP. 36" RCP

PROP. 36" RCP

PROP. 30" RCP

8
4
0

1188+00
1189+00
1190+00
1191+00
1192+00
1193+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 02009011		1"=4' (11"x17")

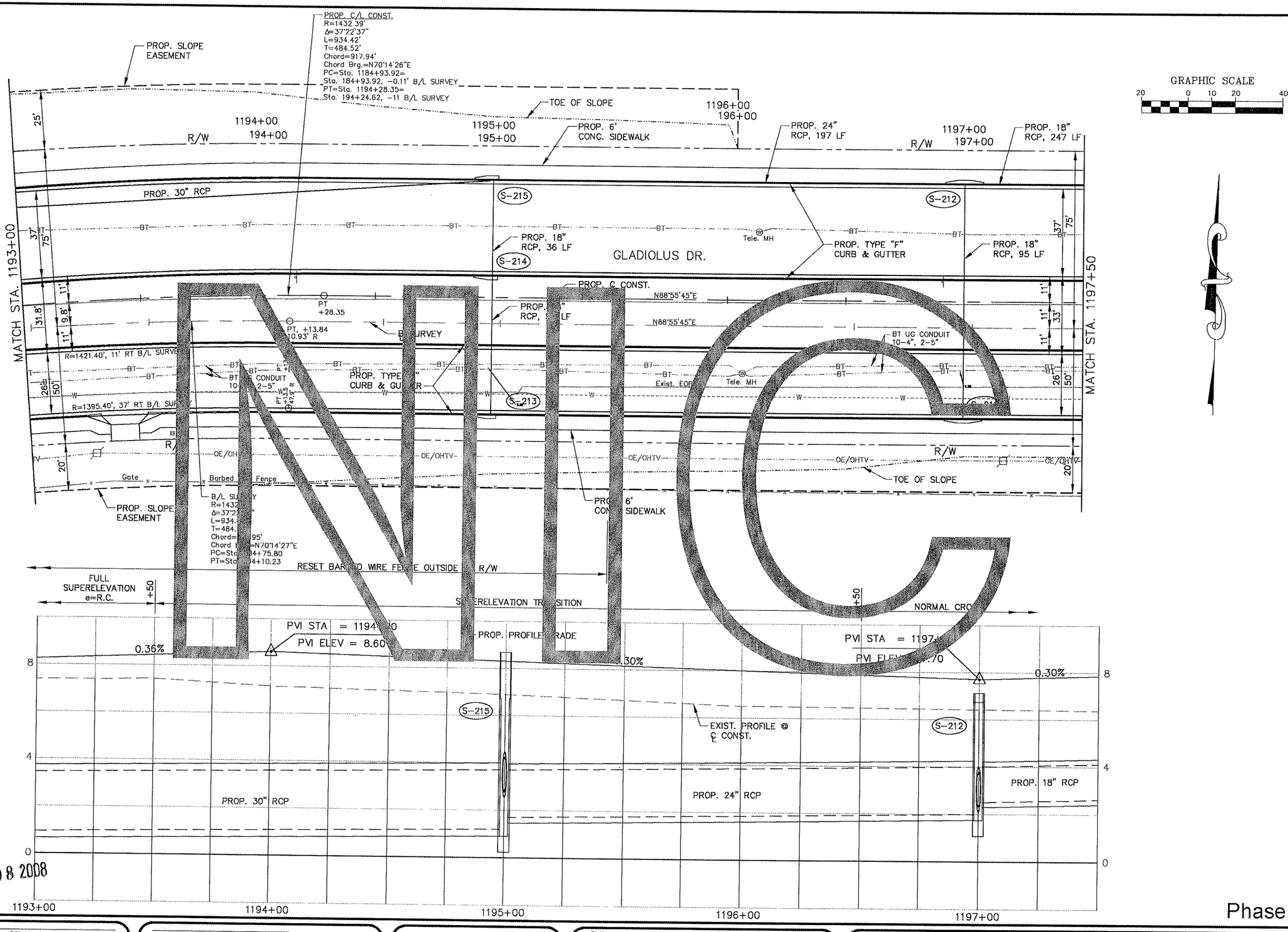
APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE - GLADIOLUS DRIVE



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090812		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 27 of 207 SHEETS

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1198+00
198+00
1199+00
199+00
1200+00
200+00
1201+00
201+00
1202+00
202+00
1203+00
203+00

R/W
PROP. 18" RCP
18" RCP
PROP. 6' CONC. SIDEWALK
BENCH MARK
+18.05, 70.85' L
EL. 5.57
STONEGATE ENTRANCE
CR 12
CR 20
S-210
S-301A
PROP. 18" RCP, 95 LF
UG Cable Marker
PROP. TYPE "F" CURB & GUTTER
GLADIOLUS DR.
STA. 1202+33.81
GLADIOLUS DR.
STA. 10+11
PRESERVE BLVD.
+53.72
39.07' L
Fnd. Conc. Monument
Exist. PVC
R/W TO BE DONATED
PROP. R/W
MATCH STA. 1197+50
MATCH STA. 1203+50
75'
37'
11'
33'
50'
26'
20'
12'
25'
76'
22'
Exist. EOP
N88°55'45"E
PROP. ℄ CONST.
℄ SURVEY
N01°04'33"W
10+00
BT UG CONDUIT
10-4", 2-5"
PROP. TYPE "F" CURB & GUTTER
S-209
S-301
CR 26
PROP. 24" RCP, 330 LF
14"x23" ERCP
15" RCP
PROP. 6' CONC. SIDEWALK
MATCH EXIST. SIDEWALK
5' VOLUNTARY SLOPE EASEMENT
PROP. SLOPE EASEMENT
Barbed Wire Fence
Fnd. Conc. Monument
NOTE
SEE INTERSECTION DETAIL SHEET
10' PUE
4.5' Lee County Utility Easement
Sidewalk
9+00
PRESERVE BLVD.
15' DRAINAGE EASEMENT
GRAPHIC SCALE
20 0 10 20 40

PROP. PROFILE GRADE
PVI STA = 1201+00
PVI ELEV = 8.90
EXIST. PROFILE @ ℄ EST.
0.30%
-0.30%
PROP. 18" RCP
PROP. 24" RCP
8
4
0
-4

1198+00
1199+00
1200+00
1201+00
1202+00
1203+00

JAN 0 8 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090813	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 28 of 207 SHEETS

R/W TO BE DONATED

1204+00
204+00

PROP. 6' CONC. SIDEWALK

PROP. R/W

PROP. 18" RCP, 127 LF

1205+00
205+00

S-303

5' R

LENOX GARDENS LN

1206+00
206+00

+74.1
59' L

CR 23

+69.1
54' L

CR 20

+27.3
48' L

15' R

S-302

PROP. 24" RCP, 67 LF

1207+00
207+00

PROP. 6' CONC. SIDEWALK

1208+00
208+00

GRAPHIC SCALE
20 0 10 20 40

PROP. R/W

S-302A

R/W

PROP. TYPE "F" CURB & GUTTER

18" RCP

GLADIOLUS DR.

Exist. EOP

PROP. TYPE "F" CURB & GUTTER

Exist. EOP

PROP. ℄ CONST.

N88°55'45"E

±50
11' L

±00
0.00' R

MATCH STA. 1203+50

MATCH STA. 1209+00

BT UG CONDUIT 10-4", 3" PVC

℄ SURVEY

N88°55'45"E

Exist. EOP

PROP. TYPE "F" CURB & GUTTER

Tele. MH

PROP. 42" RCP 196 LF

S-304

S-306

Exist. EOP

PROP. 42" RCP, 397 LF

PROP. 24" RCP

R/W

5' VOLUNTARY SLOPE EASEMENT

OE/OHTV

PROP. 6' CONC. SIDEWALK

PROP. R/W

PVI STA = 1205+00
PVI ELEV = 7.70

PVI STA = 1209+00
PVI ELEV = 8.90

-0.30%

0.30%

PROP. PROFILE GRADE

S-305

S-306

EXIST. PROFILE @ ℄ CONST.

PROP. 24" RCP

PROP. 42" RCP

PROP. 42" RCP

8
4
0
-4

1204+00 1205+00 1206+00 1207+00 1208+00 1209+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090814		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

IONA HOPE EPISCOPAL CHURCH

BENCH MARK +71.44, 45.47' L EL. 6.76

GLADIOLUS DR.

GRAPHIC SCALE 20 0 10 20 40

MATCH STA. 1209+00

MATCH STA. 1214+00

PROP. 6' CONC. SIDEWALK

PROP. R/W

PROP. TYPE "F" CURB & GUTTER

PROP. C/L CONST. N88°04'11"E

PROP. ℄ CONST.

℄ SURVEY

Exist. EOP

N88°55'45"E

N89°47'19"E (EOP)

N89°47'19"E

PROP. 42" RCP

PROP. 48" RCP, 196 LF

PROP. 48" RCP, 228 LF

PROP. 6' CONC. SIDEWALK

R/W

OE/OHTV

12"x18" ERCP

S-307

S-308

PVI STA = 1213+0

PVI ELEV = 7.

PROP. PROFILE GRADE

0.36%

EXIST. PROFILE @ ℄ CONST.

PROP. 42" RCP

PROP. 48" RCP

1209+00 1210+00 1211+00 1212+00 1213+00 1214+00

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

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DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	1"=2'
PROJ NO.: 4083	FILE: 020090815		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 30 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020090815.dwg 11/7/2007 1:57:11 PM EST

GRAPHIC SCALE
20 0 10 20 40

EXIST. SIGNAL POLE LOCATION STA. 1215+15.54, 77' R

LIMITS OF CONSTRUCTION

PROP. SIGNAL POLE LOCATION STA. 1216+38, 77' L

GLADIOLUS DR.

Asphalt Parking

EXIST. TYPE "E" CURB & GUTTER TO REMAIN

BENCH MARK +73.91, 70.67' L EL. 7.56

PARKER PLAZA

MILL & OVERLAY

MATCH EXIST. SIDEWALK

PROP. R/W

PROP. 6' CONC. SIDEWALK

PROP. TYPE "E" CURB & GUTTER

PROP. TYPE "F" CURB & GUTTER

PROP. VALLEY GUTTER

REMOVE PORTION OF TYPE "E" CURB & GUTTER

PROP. 19"x30" ERCP, 100 LF

14"x23" ERCP

PROP. ℄ OF CONST.

PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR

PROP. 36" RCP, 496 LF

PROP. 48" RCP

Asphalt Walk

MATCH STA. 1214+00

MATCH STA. 1219+50

NOTE
SEE INTERSECTION DETAIL SHEET

PROP. SIGNAL POLE LOCATION STA. 1215+15.54, 89' R

PI STA = 1215+78.47 GLADIOLUS DR.= 215+71.71, 12'.5' B/L SURV

STA. +21.47 BASS RD.

MATCH EXIST. SIDEWALK

EXIST. SIGNAL POLE LOCATION STA. 1215+41.54, 89' R

MATCH STA. 72+10 SHEET 43

PVI STA = 1215+75

PVI ELEV = [illegible]0

PROP. PROFILE GRADE

0.36%

-0.40%

0.30%

PVI STA = 1218+25

PVI ELEV = [illegible].70

EXIST. PROFILE @ ℄ CONST.

PROP. 48" RCP

PROP. 36" RCP

LEGEND
7.80 PROPOSED SPOT ELEVATION

1214+00 1215+00 1216+00 1217+00 1218+00 1219+00

8 4 0 -4

JAN 0 8 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090816.dwg 12/4/2007 2:27:02 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090816		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 31 of 207 SHEETS

Asphalt Parking
BENCH MARK +81.57, 75.09' L EL. 6.93
1220+00 220+00
1221+00 221+00
1222+00 222+00
1223+00 223+00
1224+00 224+00
1225+00 225+00
Exist. Light Pole (Typ.)
Exist. Sprinkler (Typ.)
R/W
EXIST. TYPE "E" CURB & GUTTER TO REMAIN
PARKER PLAZA
MILL & OVERLAY
12"x18" ERCP
PROP. 6' CONC. SIDEWALK
PROP. TYPE "E" CURB & GUTTER
+12.1 65' L
+34 65' L
+42 65' L
+63.6 65' L
15' ADS
CR 20
4' R
25' R
S-404
+87 51' L
14"x23" ERCP
6.78
+88.4 51' L
S-405
PROP. TYPE "F" CURB & GUTTER
PROP. 18" RCP, 135 LF
Exist. Cable Marker (Typ.)
Exist. Sign (Typ.)
GLADIOLUS DR.
Exist. EOP
REMOVE PORTION OF EXIST. TYPE "E" CURB & GUTTER
PROP. 19"x30" ERCP, 99 LF
MATCH STA. 1219+50
MATCH STA. 1225+50
90'
59.5'
37'
77.5'
PROP. TYPE IV CONC. TRAFFIC SEPARATOR
8.23
8.39
7.98
8.35
8.51
7.95
8.11
7.70
7.55
7.71
7.73
7.57
7.32
+65 14' R
+65 12.5' R
8.5' R
N88°55'57"E
℄ OF SURVEY
℄ OF CONST.
12.5'
4'
50'
38.5'
28'
62.5'
PROP. 3 RCP
PROP. 48" RCP, 496 LF
PROP. TYPE "F" CURB & GUTTER
Asphalt Walk
BTVFO
OE
PROP. 6' CONC. SIDEWALK
CONDUITS 10 , 2-5"

GRAPHIC SCALE
20 0 10 20 40

PVI STA = 1220+75
PVI EL = 8.45
0.30%
-4.40%
PROP. PROFILE GRADE
EXIST. PROFILE ℄ CONST.
PVI STA = 1223+25
PVI ELEV = 7.45
0.30%
PROP. 36" RCP
PROP. 48" RCP
8
4
0
-4
1220+00
1221+00
1222+00
1223+00
1224+00
1225+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090817.dwg 11/7/2007 21:15 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090817	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 32 of 207 SHEETS

REMOVE ALL SPRINKLERS WITHIN R/W
ALL OTHERS TO REMAIN

1226+00 226+00 | 1227+00 227+00 | 1228+00 228+00 | 1229+00 229+00 | 1230 23

Concrete Wall

R/W

Exist. Sprinkler (Typ.)

GLADIOLUS DR.

PROP. 6' CONC. SIDEWALK

CATV Pole

Exist. Light Pole (Typ.)

+56.06 68.91' L El. 7.94

Fnd. NGS Bench Mark

BTVFO

Fnd. Conc. Mon.

+08.21 37.22' L

+06.04 37.32' L

S-408

PROP. 14"x23" ERCP, 99 LF

PROP. TYPE "F" CURB & GUTTER

Exist. UG Cable Marker (Typ.)

MATCH STA. 1225+50

MATCH STA. 1230+00

90'

37'

28'

12.5'

50'

17'

48'

Exist. EOP

N88°55'57"E

℄ OF SURVEY

℄ OF CONST.

BT UG COND 10-4", 2-5

MH

PROP. TYPE "F" CURB & GUTTER

PROP. 48" RCP

S-409

PROP. 48" RCP, 471 LF

Asphalt Walk

PROP. 6' CONC. SIDEWALK

Concrete Wall

PVI STA = 1225+75

PVI ELEV = 8.20

-0.70%

PROP. PROFILE GRADE

PVI STA = 1228+2

PVI ELEV = 7.45

0.30%

EXIST. PROFILE @ ℄ CONST.

PROP. 48" RCP

PROP. 48" RCP

8

4

0

-4

1226+00 | 1227+00 | 1228+00 | 1229+00 | 1230+00

GRAPHIC SCALE

20 0 10 20 40

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090818.dwg 11/7/2007 2:37:46 PM EST

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090818	1"=4'	(11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE -- GLADIOLUS DRIVE

SHEET 33 of 207 SHEETS

PROP. SIGNAL POLE LOCATION STA. 1230+43 75.5' L

MATCH EXIST. SIDEWALK

PROP. SIGNAL POLE LOCATION STA. 1231+66 75.5' R

REMOVE ALL SPRINKLERS WITHIN R/W
ALL OTHERS TO REMAIN

PROP. 6' CONC. SIDEWALK

Exist. Sprinkler (Typ.)

PARKER LAKES BLVD.

CR 23

CR 26

R/W

GLADIOLUS DR.

PROP. TYPE "F" CURB & GUTTER

PROP. 19"x30" ERCP, 110 LF

S-411

14"x23" ERCP

Bench Bus Stop

Air Release For FM

NOTE
SEE INTERSECTION DETAIL SHEET

MATCH STA. 1230+00

MATCH STA. 1236+00

Exist. EOP

PROP. ℄ OF CONST.

N88°55'57"E

BENCH MARK +05.88, 70.64' R EL. 6.13

PROP. TYPE "F" CURB & GUTTER

UG CONDUIT 4", 2-5"

MAINLINE

PROP. TYPE "F" CURB & GUTTER

OF SURVEY

STA. 1235+25.50

GLADIOLUS DR.

PROP. 48" RCP

PROP. 48" RCP-96

PROP. 48" RCP-121 LF

PROP. 36" RCP

S-410

S-412

S-415

Bench Bus Stop

Asphalt Walk

PROP. 48" RCP, 4 LF

REMOVE PLUG IN EXIST. 48" RCP CONSTRUCT 48" CONCRETE COLLAR

PROP. 6' CONC. SIDEWALK

25' Landscape Buffer & Drainage Easement

EXIST. 48" RCP TO REMAIN

S-416

GRAPHIC SCALE

20 0 10 20 40

15' Drainage Easement

SEE SHEET 52 FOR DRAINAGE INTO LAGUNA LAKES

LAKES OF LAGUNA BLVD.

Fnd. Conc. Mon.

PROP. SIGNAL POLE LOCATION STA. 1230+43 60.5' R

Sidewalk

Concrete Wall

PROP. SIGNAL POLE LOCATION STA. 1231+61 60.5' R

PVI STA = 1231+00

PVI ELEV = 8.28

0.30%

-0.30%

PROP. PROFILE GRADE

EXIST. ℄ CONST.

PVI STA = 1234+00

PVI ELEV = 7.38

0.30%

PROP. 48" RCP

PROP. 48" RCP

PROP. 48" RCP

PROP. 36" RCP

8
4
0
-4

1230+00 1231+00 1232+00 1233+00 1234+00 1235+00 1236+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090819.dwg 12/4/2007 2:42:26 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090819	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 34 of 207 SHEETS

REMOVE ALL SPRINKLERS WITHIN R/W
ALL OTHERS TO REMAIN

GRAPHIC SCALE
20 0 10 20 40

1236+00 / 6+00 | 1237+00 / 237+00 | 1238+00 / 238+00 | 1239+00 / 239+00 | 1240+00 / 240+00 | 1241+00 / 241+00 | 1242 / 24

MATCH STA. 1236+00

MATCH STA. 1242+00

R/W

Exist. Sprinkler (Typ.)

RELOCATE FENCE TO R/W

Wood Posts W/Chain

+70.67
59.24' L

Fnd. Bench Mark, El. 7.97

PROP. 6' CONC. SIDEWALK

PROP. TYPE "F" CURB & GUTTER

GLADIOLUS DR.

Exist. UG Cable Marker (Typ.)

PROP. ℄ OF CONST.

Exist. EOP

S-413

PROP. 18" RCP, 100 LF

18" ADS

Wood Posts W/Chain

Exist. Reflector Sign (Typ)

90'
37'
14'
12.5'
50'

N88°55'57"E

℄ OF SURVEY

PROP. 36" RCP, 470 LF

BT UNDERGROUND CONDUITS 10-4" & 5"

PROP. TYPE "F" CURB & GUTTER

S-414

Asphalt Walk

12"x18" ERCP

Lot Line

100' FP&L Easement

80' IDD Canal

PVI STA = 1237+0
PVI EL = 8.28

0.30%

PROP. PROFILE GRADE

EXIST. PROFILE

PROP. 36" RCP

PVI STA = 1240+00
PVI EL = 7.38

0.33%

8
4
0
-4

1236+00 | 1237+00 | 1238+00 | 1239+00 | 1240+00 | 1241+00 | 1242+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090820.dwg 12/4/2007 2:46:18 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090820		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 35 of 207 SHEETS

GRAPHIC SCALE
20 0 10 20 40

MATCH STA. 1242+00

MATCH STA. 1248+00

PROP. RUBBLE RIP-RAP 10'x10'x1.5'

+29.85, 72.97' L
Fnd. Conc. Mon.

PROP. 24" RCP, 8 LF

+30.16
63.30' L

R/W

S-03

S-04

PROP. 24" RCP, 47 LF

PROP. 24" RCP, 32 LF

PROP. 24" CONC. COLLAR

S-513

PROP. 34"x53" ERCP, 45 LF

PROP. 34"x53" CONC. COLLAR

PROP. 42" RCP, 431 LF

Asphalt Walk

PROP. 6' CONC. SIDEWALK

19"x30" ERCP

GLADIOLUS DR.

Gravel

PROP. TYPE "F" CURB & GUTTER

Wood Posts

1243+00
243+00

1244+00
244+00

1245+00
245+00

1246+00
246+00

1247+00
247+00

1248+00
248+00

R/W

S-512

PROP. 14"x23" ERCP, 36 LF

PROP. 42" RCP, 229 LF

PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR

PROP. CONC. COLLAR

Exist. EOP

37'
16' ADS
28'
12.5'

N88°55'57"E

PI
1242+29.94
242+26.19, 12.5' L
B/L SURVEY

N89°00'16"E

PC
+03.75

PROP. ℄ OF CONST.

CURVE 4

PRC
+73.01

CURVE 5

PT
+42.27

N89°00'16"E

+89.7
+89.7
12.5' L

+89.7
+89.7
8.5' L

7.5'
4'
38.5'
75'
65'
70.5'

EXIST. 24" RCP TO REMAIN

EXIST. 34"x53" ERCP TO REMAIN

GUARDRAIL TO BE REMOVED

℄ OF SURVEY

PROP. 24" CONC. COLLAR

Bollard (Typ.)

BTVFO

OHCATV

OHTV

Exist. EOP

PROP. TYPE "F" CURB & GUTTER

EXIST. 14"x23" ERCP TO REMAIN

S-514

14"x23" ERCP

CATV POLES TO BE REMOVED

PROP. 24" RCP-16 LF

Fnd. Conc. Mon.

+30.00
76.67' R

S-511

PROP. 6' CONC. SIDEWALK

Cable Fence

RELOCATE FENCE TO R/W

PROP. RUBBLE RIP-RAP 10'x10'x1.5'

80' IDD Canal

Exist. 20' Drainage Easement

Telephone Cabinet

EXIST. 34"x53" ERCP TO REMAIN

PROP. 14"x23"-230 LF

1245+80.5

RESET FENCE OUTSIDE R/W

SEE SHEET 53
FOR DRAINAGE INTO
EXISTING POND

LEGEND
OVERLAY
PROP. PAVEMENT

PROP. ℄ CONST.
CURVE 5
R=5729.58'
Δ=1°41'33"
L=169.26'
T=84.64'
Chord=169.26'
Chord Brg.=N89°51'03"E
PC Sta. 1243+03.75=
Sta. 1244+00, 12.5' L Survey
PRC=Sta. 1244+73.01
Sta. 1244+69.24, 10' L Survey

PROP. ℄ CONST.
CURVE 5
R=5729.58'
Δ=1°41'33"
L=169.26'
T=84.64'
Chord=169.26'
Chord Brg.=N89°51'03"E
PC Sta. 1244+73
Sta. 1244+69.24, 10' L B/L Survey
PRC=Sta. 1246+42.2
Sta. 1246+38.48, 7' L B/L Survey

PVI STA = 1244+00
PVI ELEV = 7.71

PROP. PROFILE GRADE

-0.30%

0.33%

0.30%

EXIST. GRADE @ ℄ CONST.

PVI STA = 1247+07
PVI ELEV = 7.39

S-04

S-513

S-512

PROP. 24" RCP

PROP. 42" RCP

PROP. 42" RCP

8
4
0
-4

1242+00
1243+00
1244+00
1245+00
1246+00
1247+00
1248+00

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Phase 2

C:\Land Projects 2005\02009-2\dwg\020090821.dwg 12/4/2007 3:11:26 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090821		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 36 of 207 SHEETS

BENCH MARK
+60.20, 66.89' L
EL. 7.26

AVALON BAY BLVD.

+61.48
82.43' L
Fnd. Bench
Mark, El. 6.22

Fnd. Bench
Mark, El. 6.45

+73.98
68.38' L

PROP. 29"x45"
ERCP-236 LF

MATCH STA. 1248+00

MATCH STA. 1254+00

GLADIOLUS DR.

CR 20

S-510

S-509

S-510A

S-507

Fnd. Conc. Monument

Asphalt Walk

Asph.

PROP. 42" RCP

19"x30" ERCP

12"x18" ERCP

PROP. 34"x53"
ERCP, 429 LF

14"x23" ERCP

PROP. 14"x23" ERCP, 24 LF

PROP. CONC. COLLAR

PROP. 4' TYPE IV
CONC. TRAFFIC SEPARATOR

PROP. CONCRETE ISLAND (6")

PROP. TYPE "F"
CURB & GUTTER

PROP. ℄ OF CONST.

Exist. EOP

Sewer Air
Release Valve

N89°00'16"E

MILL TO CORRECT CROSS SLOPE 1"-2"

EXIST. 14"x23" ERCP TO REMAIN

REMOVE EXIST. MANHOLE

PROP. 14"x23"
ERCP, 16 LF

PROP. 14"x23"

Cable Fence

Wood Fence

Sign

Well

R/W

25' R

RESET FENCE
OUTSIDE OF R/W

1244+24.4

NOTE
SEE INTERSECTION
DETAIL SHEET

LEGEND

7.86 PROPOSED SPOT ELEVATION

OVERLAY

PROP. PAVEMENT

GRAPHIC SCALE
20 0 10 20 40

PROP. PROFILE GRADE

PVI STA = 1250+40
PVI ELEV = 8.

EXIST. PROFILE @ ℄ CONST.

PVI STA = 1253+73
PVI ELEV = 7.79

0.30%

-0.30%

0.315%

PROP. 42" RCP

PROP. 34"x53" ERCP

PROP. 29"x45" ERCP

8
4
0
-4

1248+00 1249+00 1250+00 1251+00 1252+00 1253+00 1254+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090822.dwg 12/4/2007 3:49:41 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	1"=20'
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	1"=2'
PROJ NO.: 4083	FILE: 020090822		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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FLORIDA
1500 MONROE STREET
(941) 479-8900

DEPARTMENT
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FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 37 of 207 SHEETS

NOTE
SEE INTERSECTION DETAIL SHEET

PROP. 6' CONC. SIDEWALK
PROP. TYPE "F" CURB & GUTTER
PROP. 29"x45" ERCP, 236 LF
PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR
LIMITS OF OVERLAY
MILL TO CORRECT CROSS SLOPE 1"-2".
REMOVE EXIST. SEPARATOR
ABANDON EXIST. 14"x23" PIPE AND PLUG EACH END INDEX 280
℄ OF CONSTRUCTION STA. 1257+05.86 GLADIOLUS DR.
STA. 42+47.80 WINKLER RD.
℄ OF SURVEY STA. 1257+02.06 GLADIOLUS DR. STA. 42+40.30 WINKLER RD.
BENCH MARK, +19.41 37.32' L, EL. 7.02
Fnd. Conc. Mon.
14"x23" ERCP To Remain
19"x30" ERCP To Remain
Drainage Manhole to Remain
Telephone Manhole
Sign
(CR 26)
(S-506)
Exist. EOP
Conc.
Asphalt Walk
OE/OHTV
R/W
GLADIOLUS DR.
WINKLER RD.
MATCH STA. 1254+00
MATCH STA. 1259+00
N89°00'16"E
N00°59'44"W
43+00

GRAPHIC SCALE
20 0 10 20 40

LEGEND
8.45 PROPOSED SPOT ELEVATION
OVERLAY
PROP. PAVEMENT

PVI STA = 1255+00
PVI ELEV = 8.19
0.315%
PVI STA = 1256+08.87
PVI ELEV = 8.79
0.55%
0.30%
PVI STA = 255+78.81
PVI ELEV = 8.51
14' LT & RT OF PROP. CONST. LINE
PER T.Y. LIN PROJ. 4067 (9/26/05)
PVI ELEV = 8.57
14' LT & RT OF PROP. CONST. LINE
PER T.Y. LIN PROJ. 4067 (9/26/05)
EXIST. PROFILE ℄ CONST.
PROP. 29"x45" ERCP
EXIST. 19"x30" ERCP
PGL LEFT & RIGHT
1254+00
1255+00
1256+00
1257+00

JAN 08 2008

1261+00
END CONSTRUCTION STA.1261+00
LIMITS OF OVERLAY STA.1261+00
GLADIOLUS DR.

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090823		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – GLADIOLUS DRIVE

SHEET 38 of 207 SHEETS

C:\Land Projects 2005\02009-2.dwg\020090823.dwg 12/4/2007 4:12:59 PM EST

HEALTHPARK CIR.

39+00

40+00

41+00

42+00

43+00

44+00

LIMITS OF OVERLAY
STA. 42+00 TO 42+65

PROP. 5' CONC. SIDEWALK
FOR HEALTHPARK FLORIDA
SEE SIDEWALK NOTE

+34

10' VOLUNTARY
SLOPE EASEMENT

R/W

160' R

PRC 101' R

+34
65.7' L

+78.5
67.7' L

MATCH EXIST.
SIDEWALK

PROP. 5'
CONC. SIDEWALK

75'

Exist. EOP

HEALTHPARK SIDEWALK NOTE
STA. 43+34 TO 46+61.5 SIDEWALK
TO BE MEANDERING 5'x5' CONTINUOUS
SIDEWALK PANELS WITH 4" WIDE TROWELED
EDGES BORDERING ALL FOUR SIDES OF
EACH 5'x5' PANEL AND THE CENTER OF
EACH PANEL TO BE BROOM FINISHED.

+28.5
45' L

MATCH EXIST.
CURB & GUTTER

PROP. TYPE "F"
CURB & GUTTER

28'

STA. 39+76.04 BASS RD.

S88°52'51"W

BASS RD.

PROP. ℄ CONST. &
℄ SURVEY

Exist. 24" RCP To Remain

+65
5.12' L

+15
17' L

Exist. EOP

S01°03'40"E

17'

17'

MATCH STA. 44+00

Exist. EOP

+12.9
17' R

MATCH EXIST.
CURB & GUTTER

PROP. TYPE "F"
CURB & GUTTER

+65
45' R

28'

75'

Exist. EOP

Existing Sidewalk
To Remain

R/W

S88°52'51"W

PARK ROYAL DR.

Future 54" RCP
By Others

Exist. Type "H"
Ditch Bottom Inlet
To Remain

Future 54" RCP
By Others

Ex. 54" RCP
To Remain

Ex. 54" RCP
To Remain

Exist.
Endwall

GRAPHIC SCALE

20 0 10 20 40

PVI STA = 42+50

ELEV = 7.60

PROP. PROFILE GRADE

0.30%

EXIST. PROFILE ℄
℄ SURVEY

8

4

0

39+00 40+00 41+00 42+00 43+00 44+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090824.dwg 12/10/2007 1:34:03 PM EST

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	1"=20'
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	1"=2'
PROJ NO.: 4083	FILE: 020090824		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET
39
of
207
SHEETS

PROP. 5' CONC. SIDEWALK
FOR HEALTHPARK FLORIDA
SEE SIDEWALK NOTE

+61.5

45+00 | 46+00 | 47+00 | 48+00 | 49+00

R/W

PT +06.5 89.8' L | N02°37'15"E | PC +92.9 64.2' L | 111' R | PRC +27.6 67.5' L | 101' R | PRC +72.4 67.5' L | 146.5' R | PT +00 65' L

10' VOLUNTARY SLOPE EASEMENT

PROP. 5' CONC. SIDEWALK

Fence Gate

PROP. R/W

BARBED WIRE FENCE TO BE RELOCATED TO R/W

S-321

PROP. 30" RCP
397 LF

EXIST. LIGHT POLE TO BE REMOVED

PROP. TYPE "F" CURB & GUTTER

Exist. 3-36" RCP To Remain

Exist. EOP

BASS RD.

R/W

PROP. ℄ CONST. & ℄ SURVEY

S01°03'40"E

MATCH STA. 44+00

MATCH STA. 49+00

75' | 28' | 17' | 17' | 28' | 75' | 50' | 28' | 17' | 25' | 17' | 17' | 28' | 75'

Exist. EOP

PROP. 7' SIDEWALK

MATCH EXI SIDEWALK STA. 45+01

PROP. 7' SIDEWALK

t. Manhole El.=6.48 torm of ucture=0.96

S-320B

RAISE MA LE LID TO EL 8

PROP. TY F" CURB & TTER

18" RCP

S-320

PROP. 15" RCP
9 LF

S-320A

MATCH EXI SIDEWALK

PROP. SWALE

Exist. Sidewalk To Remain

R/W

15' PUE

PROP. 5' CONC. SIDEWALK

Exist. 54" RCP To Remain

30' PUE

ENTRANCE TO PORTOFINO SPRINGS

Exist. 54" RCP To Remain

Exist. Type "J" Man

HEALTHPARK SIDEWALK NOTE
STA. 43+34 TO 46+61.5 SIDEWALK TO BE MEANDERING 5'x5' CONTINUOUS SIDEWALK PANELS WITH 4" WIDE TROWELED EDGES BORDERING ALL FOUR SIDES OF EACH 5'x5' PANEL AND THE CENTER OF EACH PANEL TO BE BROOM FINISHED.

GRAPHIC SCALE
20 0 10 20 40

PVI STA = 45+50
PVI ELEV = 8.50

PVI STA = 48+50
PVI ELEV = 7.60

PROP. PROFILE GRADE

0.30% | -0.30% | 0.30%

EXIST. PROFILE @ ℄ SURVEY

6.40 | PROP. RIGHT SWALE | 6.30 | -0.10% | 6.25 | 6.30

S-321

PROP. 30" RCP

8 | 4 | 0

44+00 | 45+00 | 46+00 | 47+00 | 48+00 | 49+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	1"=20'
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	1"=2'
PROJ NO.: 4083	FILE: 020090825		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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SOUTHWEST
FLORIDA
1500 MONROE STREET
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DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET 40 of 207 SHEETS

-00 | 50+00 | 51+00 | 52+00 | 53+00 | 54+00

5' VOLUNTARY SLOPE EASEMENT

PROP. 5' CONC. SIDEWALK

BENCH MARK
+43.39; 46.87' L
EL. 5.61

PROP. 36" RCP 55+
186 LF

PROP. R/W

PROP. 30" RCP

RELOCATE BARBED WIRE FENCE TO R/W

PROP. TYPE "F" CURB & GUTTER

S-322

PROP. DROP CURB

Gate

PROP. 30" RCP
197 LF

S-324

Barbed Wire Fence

Exist. Sign

BASS RD.

MATCH STA. 49+00

MATCH STA. 55+00

50'

28'

25'

17'

17'

75'

28'

58'

R/W

PROP. TYPE "F" CURB & GUTTER

S01°03'40"E

PROP. ℄ CONST. & ℄ SURVEY

Underground Cable M

PROP. 18" RCP
88 LF

S-323

PROP. 15" RCP
9 LF

S-323B

PROP. SWA

Exist. Sidewalk

+26.5
45' L

+38.5
45' L

PVI STA = 51+50
PVI ELEV = 8.50

PROP. PROFILE GRADE

0.30%

-0.30%

PVI STA = 54+50
PVI ELEV = 7.60

0.30%

+0.10%

6.80

6.10

6.20

PROP. RIGHT SWALE -0.10%

EXIST. PROFILE ℄ & ℄ SURVEY

PROP. 30" RCP

PROP. 30" RCP

PROP. 36" RCP

8

4

0

49+00 | 50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00

GRAPHIC SCALE
20 0 10 20 40

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090826.dwg 11/8/2007 10:26:00 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	1"=20'
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	1"=2'
PROJ NO.: 4083	FILE: 020090826		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET 41 of 207 SHEETS

GRAPHIC SCALE
20 0 10 20 40

SEE SHEET 51 FOR
DRAINAGE INTO GLADIOLUS PRESERVE

5' VOLUNTARY
SLOPE EASEMENT

-00 56+00 57+00 58+00 59+00 60+00 61+00 9+00

PROP. R/W

PROP. SWALE

R/W

EXIST. 48" RCP
TO REMAIN

Barbed Wire Fence

PROP. 36" RCP

S-325

Gate

PROP. TYPE "F"
CURB & GUTTER

BASS RD.

Exist. Sign

Exist. Sign

Exist. Sign

PROP. 36" RCP
396 LF

S-327

ADD CURB INLET
TOP TYPE 2 TO
EXIST. 6'x9' DITCH
BOTTOM INLET

Barbed Wire Fence

RELOCATE BARBED WIRE
FENCE TO R/W

50' 28' R/W

MATCH STA. 55+00

MATCH STA. 61+00

25' 17' 17' 28' 58' 75'

85' 28' 17' 5' 40' 75'

PROP. TYPE "F"
CURB & GUTTER

PROP. ℄ CONST. &
℄ SURVEY

S01°03'40"E

24" RCP

Underground
Cable Marker

PROP. TYPE "F"
CURB & GUTTER

PROP. 18" RCP
93 LF

S-326

PROP. SWALE

Exist. Sidewalk To Remain

R/W

R/W

PVI STA = 57+45
PVI ELEV = 8.48

PVI STA = 60+40
PVI ELEV = 7.60

PROP. PROFILE GRADE

-0.30%

0.30%

EXIST. PROFILE @
℄ SURVEY

PROP. RIGHT SWALE

LEFT SWALE

+0.10%

6.20

5.70

6.80

5.36

S-327

5.42

8 4 0 -4

PROP. 36" RCP

PROP. 36" RCP

55+00 56+00 57+00 58+00 59+00 60+00 61+00

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Phase 2

C:\Land Projects 2005\02009-2\dwg\020090827.dwg 11/8/2007 11:28:26 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090827		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET 42 of 207 SHEETS

NOTE
SEE INTERSECTION DETAIL SHEET

SEE SHEET 51 FOR DRAINAGE INTO GLADIOLUS PRESERVE

GLADIOLUS BLOSSOM CT.

MATCH STA. 61+00

MATCH STA. 67+00

PROP. SWALE

R/W

10' DRAINAGE ESMT.

15' LANDSCAPE BUFFER

EXIST. 48" RCP TO REMAIN

PROP. 5' CONC. SIDEWALK

BENCH MARK +16.50, 38.72' L EL. 5.86

PROP. TYPE "D" CURB

PROP. TYPE "F" CURB & GUTTER

ADD CURB INLET TOP TYPE 2 TO EXIST. DITCH BOTTOM INLET

PROP. 48" RCP 163 LF

PROP. 48" RCP

REMOVE ALL SPRINKLERS WITHIN R/W

STA. 62+60.28 BASS RD.

PROP. ℄ CONST. & ℄ SURVEY

BASS RD.

Exist. EOP

CAUTION BURIED ELECTRIC!!

Existing Underground Cable Marker

PROP. 105 LF RCP

PROP. SWALE

PROP. 5' RCP, 163 LF

Exist. Sidewalk To Remain

MATCH EXIST. SIDEWALK

PROP. 5' SIDEWALK

PASEO DE VALENCIA CT.

CR 21

CR 26

S-313

S-314

S-314B

S-315

GRAPHIC SCALE

20 0 10 20 40

PVI STA = 62+62
PVI ELEV = 8.26

PVI STA = 64+84
PVI ELEV = 7.60

EXIST. PROFILE @ ℄ SURVEY

PROP. PROFILE GRADE

0.30%

PROP. RIGHT SWALE +0.10%

PROP. LEFT SWALE +0.10%

6.80 6.90 5.42 5.52 5.60 6.18 5.58 6.40 5.90

PROP. 48" RCP

61+00 62+00 63+00 64+00 65+00 66+00 67+00

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090828.dwg 11/8/2007 11:34:41 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090828		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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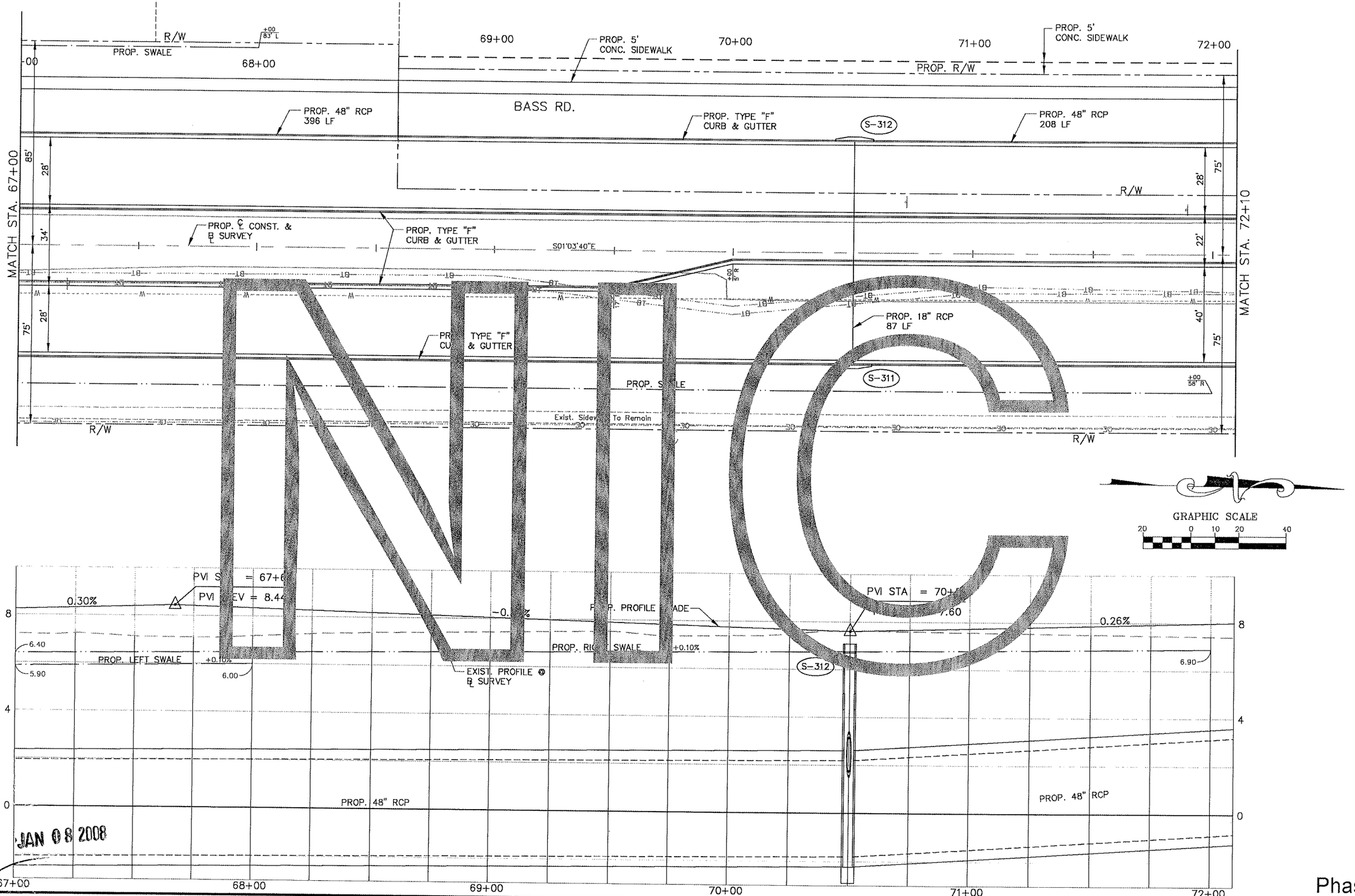
DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE - BASS ROAD

SHEET 43 of 207 SHEETS



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090829.dwg 11/8/2007 12:30:32 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090829	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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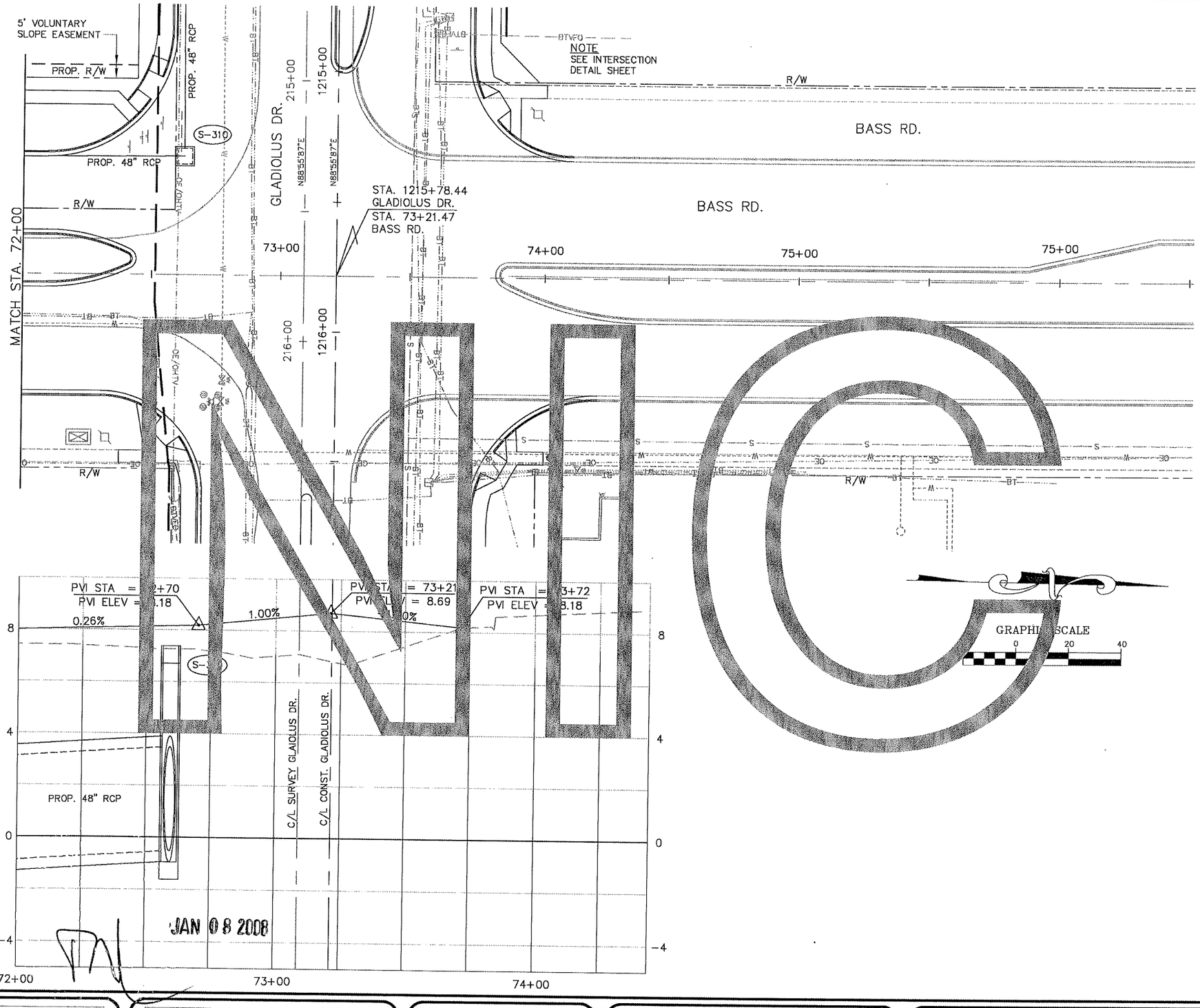
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET 44 of 207 SHEETS



Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020090837

HORIZ. SCALE: 1"=20' 1"=40' (11"x17")
VERT. SCALE: 1"=2' 1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – BASS ROAD

SHEET 45 of 207 SHEETS

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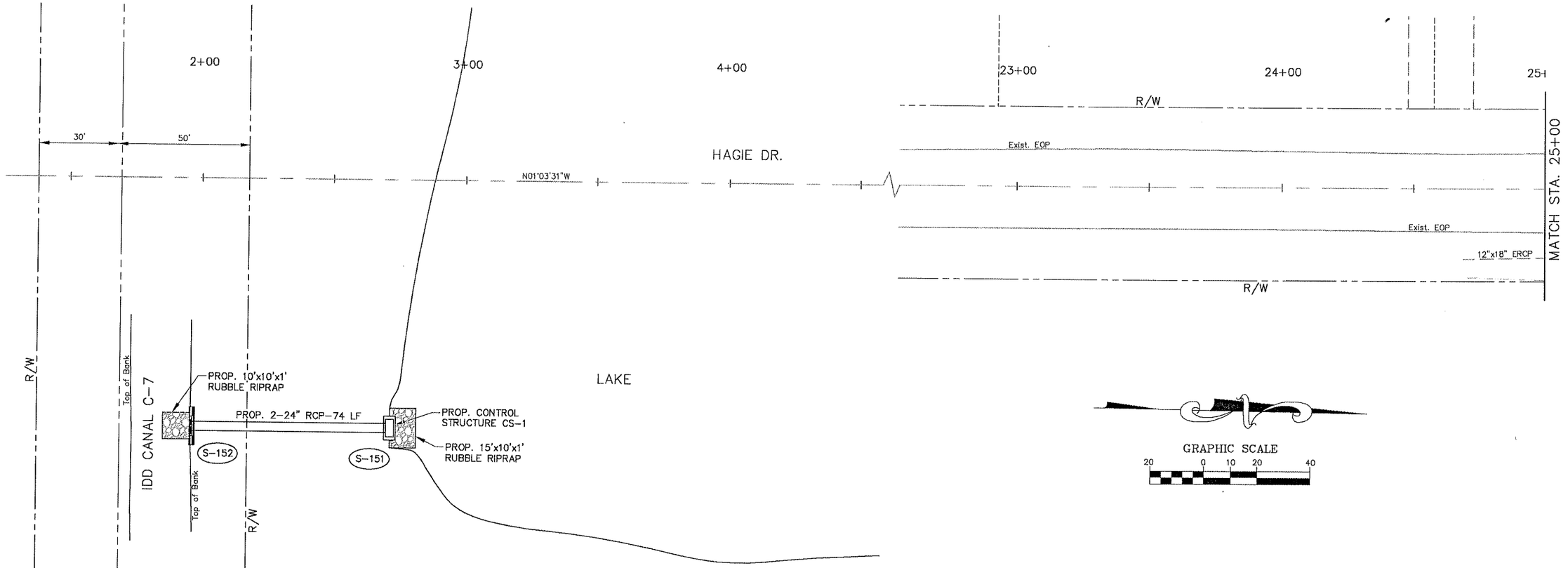

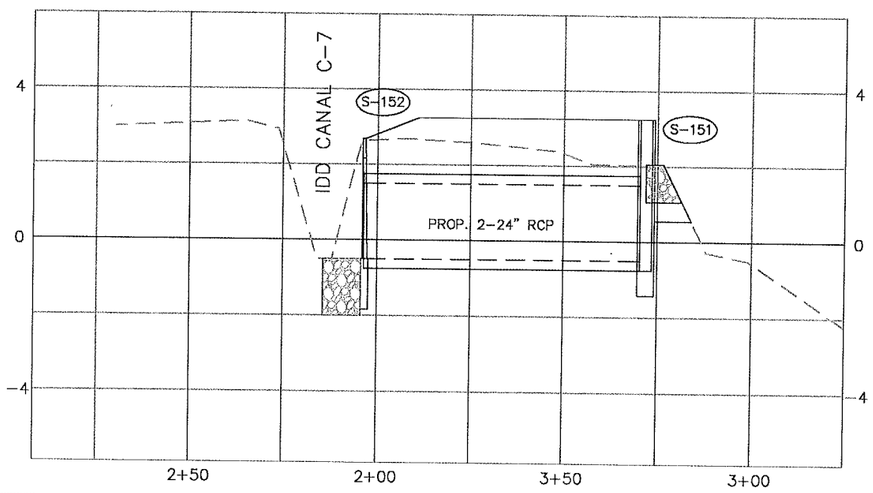

GRAPHIC SCALE

20 0 10 20 40

DRAINAGE STRUCTURES				
NO.	TYPE	STA.	OFFSET	ELEVATIONS
* S-151	DITCH BOTTOM INLET TYPE "H"	2+72	94' R	N. SLOT=3.00, S.=-0.50, TOP=3.25
S-152	DOUBLE 24" HEADWALL	1+96.5	94' R	FL=-0.50

*CONTROL STRUCTURE - SEE CONTROL STRUCTURE DETAIL SHEET

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020090839.dwg 1/7/2008 10:10:22 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020090839

HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
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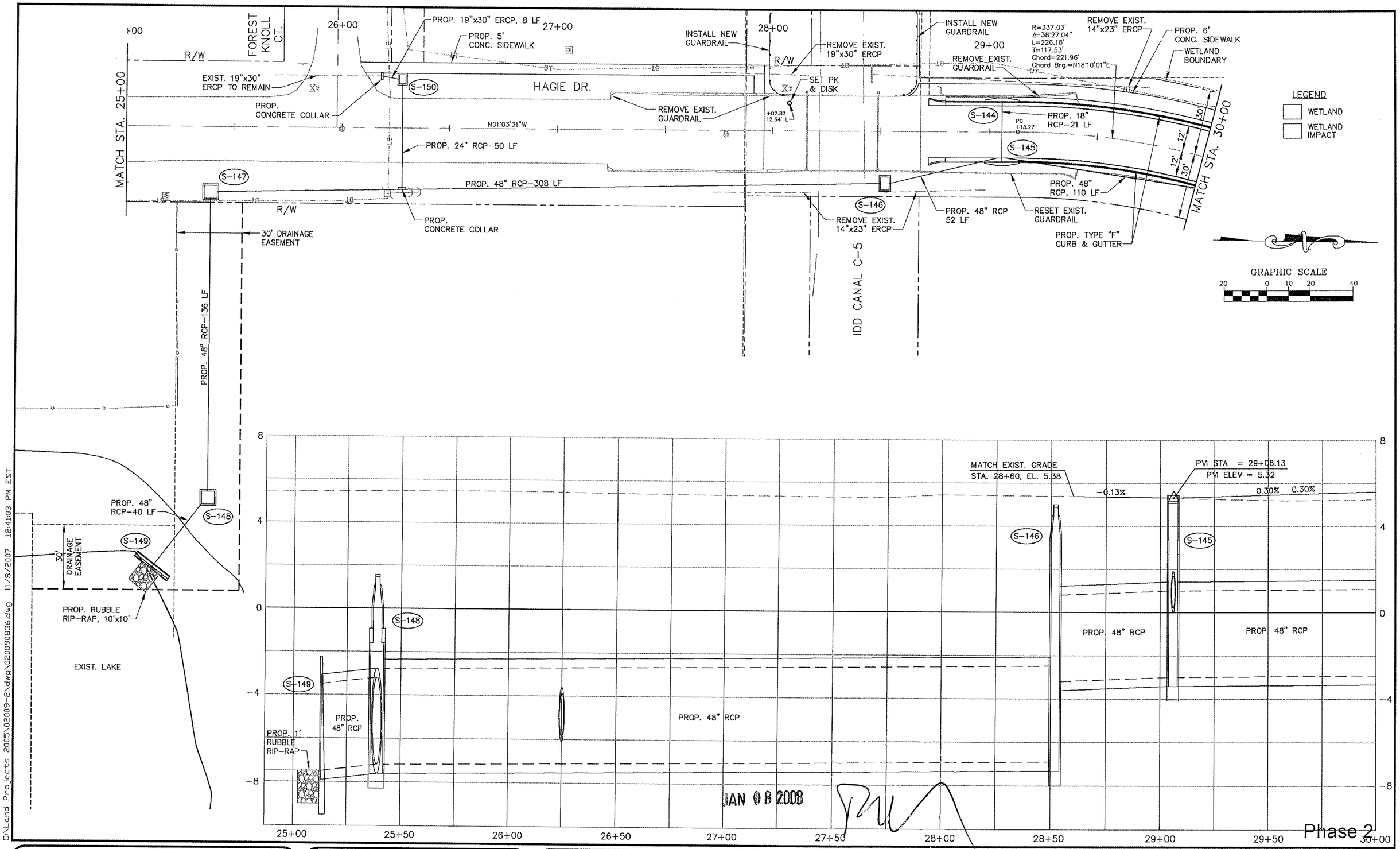
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE - HAGIE DRIVE



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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090836		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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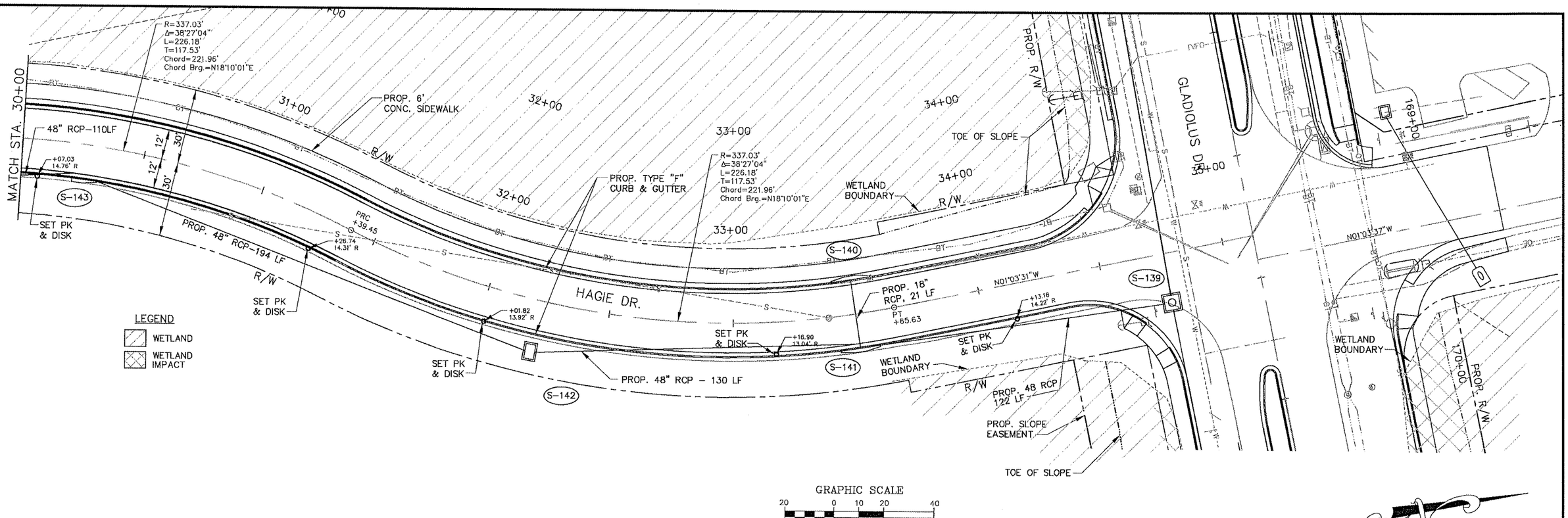
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – HAGIE DRIVE

SHEET 47 of 207 SHEETS



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009083O.dwg 11/8/2007 12:50:00 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 1/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 02009083O	1"=4'	(11"x17")

APPROVED BY:
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PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION
ROBERT KIMBALL PHELAN 60391
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

PLAN & PROFILE – HAGIE DRIVE

SHEET 48 of 207 SHEETS

GLADIOLUS DR.

BENCH MARK
+72.78, 44.87' R
EL. 3.40

BENCH MARK
+49.00, 52.00' R
EL. 3.32

R/W

S-219

S-220

1189+00
199+00

WETLAND BOUNDARY

PROP. 36" RCP-105 LF

PROP. EOP

PROP. DRAINAGE EASEMENT

R/W

LINEAR DETENTION AREA
BOTTOM EL. 3.00

Exist. EOP

Exist. Sidewalk

MATCH STA. 25+00

18.6'
10'
44.3'
28'
25'
35.8'

20+00
21+00
A&W BULB RD.
22+00
23+00
24+00
25+00

℄ OF CONST.

N01°15'26"W

+25
26' L

+25
15' L

+85.2
11' R

PROP. 36" RCP

1190+00
190+00

WETLAND BOUNDARY

PROP. GRAVITY WALL
FDOT INDEX 520

A&W BULB

PROP. 6' CONC. SIDEWALK

R/W

GRAPHIC SCALE
20 0 10 20 40

LEGEND
WETLAND
WETLAND IMPACT

PVI ELEV = 10.4
A.D. = -4.53
K = 33.12
50.00' VC

PVI ELEV = 5.20
A.D. = 2.76
K = 83.33
230.00' VC

BVCS: 20+60
BVCE: 9.12

STA. 19+74.20
EL 7.60

1.77%

EVCS: 22+10
BVCS: 22+10
EVCE: 8.37
BVCE: 8.37

EVCS: 24+40
EVCE: 5.20

PROP. 36" RCP

8
4
0

20+00
21+00
22+00
23+00
24+00
25+00

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4683	FILE: 020090835		1"=4' (11"x17")

APPROVED BY:

PROFESSIONAL ENGINEER
FLORIDA PE NO.

DATE:

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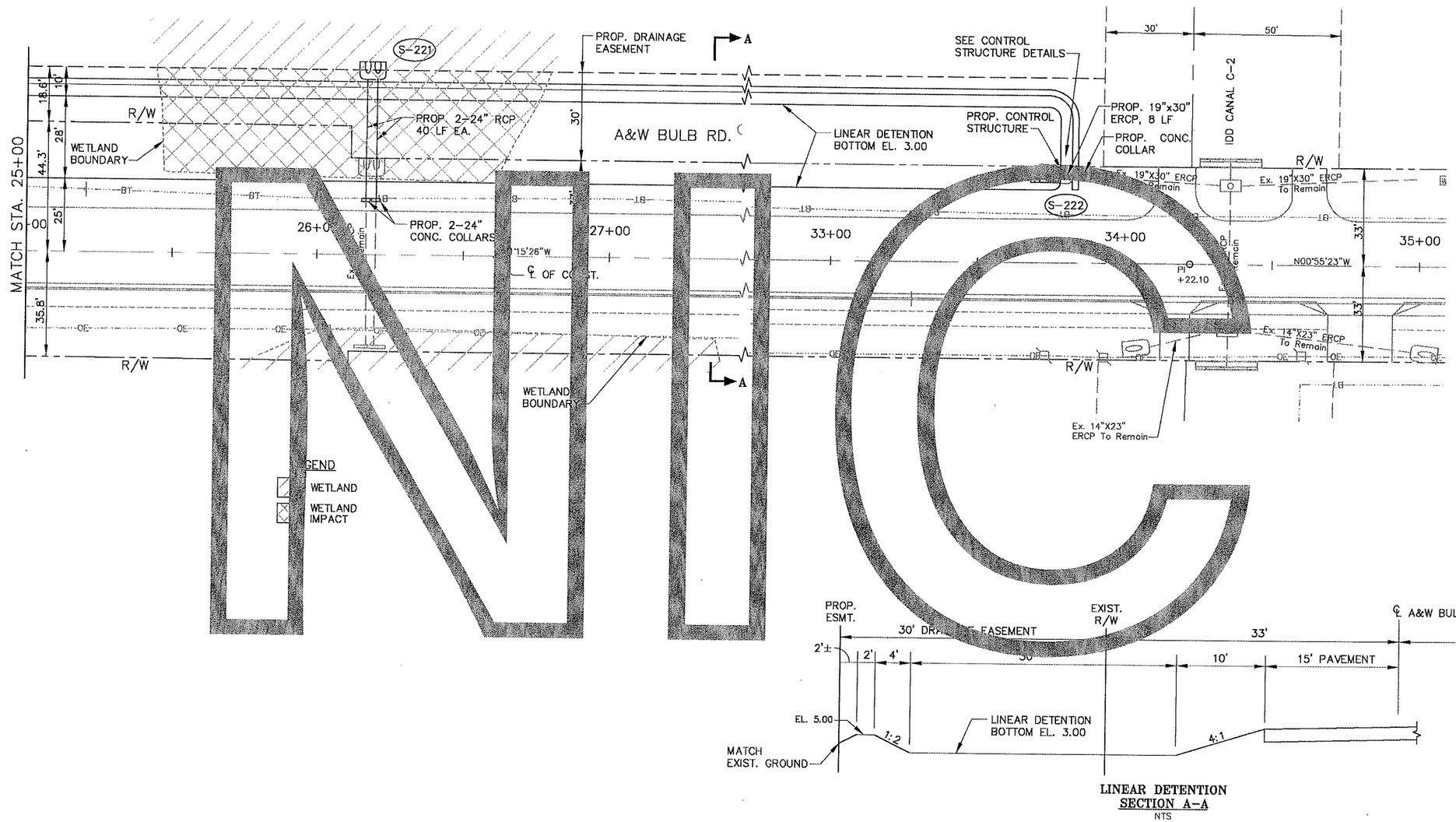
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

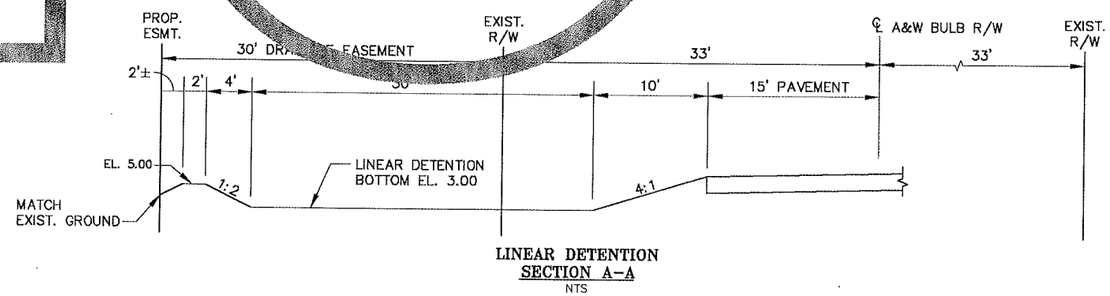
PLAN & PROFILE - A&W BULB ROAD

SHEET 49 of 207 SHEETS

GRAPHIC SCALE

20 0 10 20 40





LINEAR DETENTION SECTION A-A
NTS

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Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090840		1"=4' (11"x17")

APPROVED BY:
ROBERT KINGALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

ROADWAY PLAN – A&W BULB ROAD

SHEET 50 of 207 SHEETS

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EXISTING CONDITIONS TO REMAIN

NO.	TYPE	DRAINAGE STRUCTURES					ELEVATIONS	
			S		OFFSET			
S-316A	EX. DITCH BOTTOM INLET	3.5'x6'	8+	6	0' R	E.=-3.99	I.=-4.00, TOP	4.90
S-317	EX. VALLEY GUTTER INLET	3.5'x6'	7+	5	0' R	E.=-4.03	I.=-6.16, TOP	6.09
S-318	EX. VALLEY GUTTER INLET	3.5'x6'	7+	1	0' R	E.=-6.18	I.=-6.19, TOP	6.11
S-319	EX. ENDWALL 4		5+	4	0' R		FL.=-6.29	
S-328A	EX. DITCH BOTTOM INLET	3.5'x6'	8+	4	0' R	E.=-4.78,	I.=-4.78, TOP	4.85
S-329	EX. VALLEY GUTTER INLET	3.5'x6'	7+		0' R	E.=-4.85,	I.=-4.85, TOP	5.09
S-330	EX. VALLEY GUTTER INLET	3.5'x6'	7+	5	0' R	E.=-4.82,	I.=-4.83, TOP	5.11
S-331	EX. ENDWALL 4		5+	2	0' R		FL.=-4.92	
* S-332	EX. CONTROL STRUCTURE FOR BASIN 3	1198	11	868'	R		CONTROL EL.=3.50	

*CONTROL STRUCTURE - SEE CONTROL STRUCTURE DETAIL SHEET

GRAPHIC SCALE
20 0 10 20 40

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090832	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
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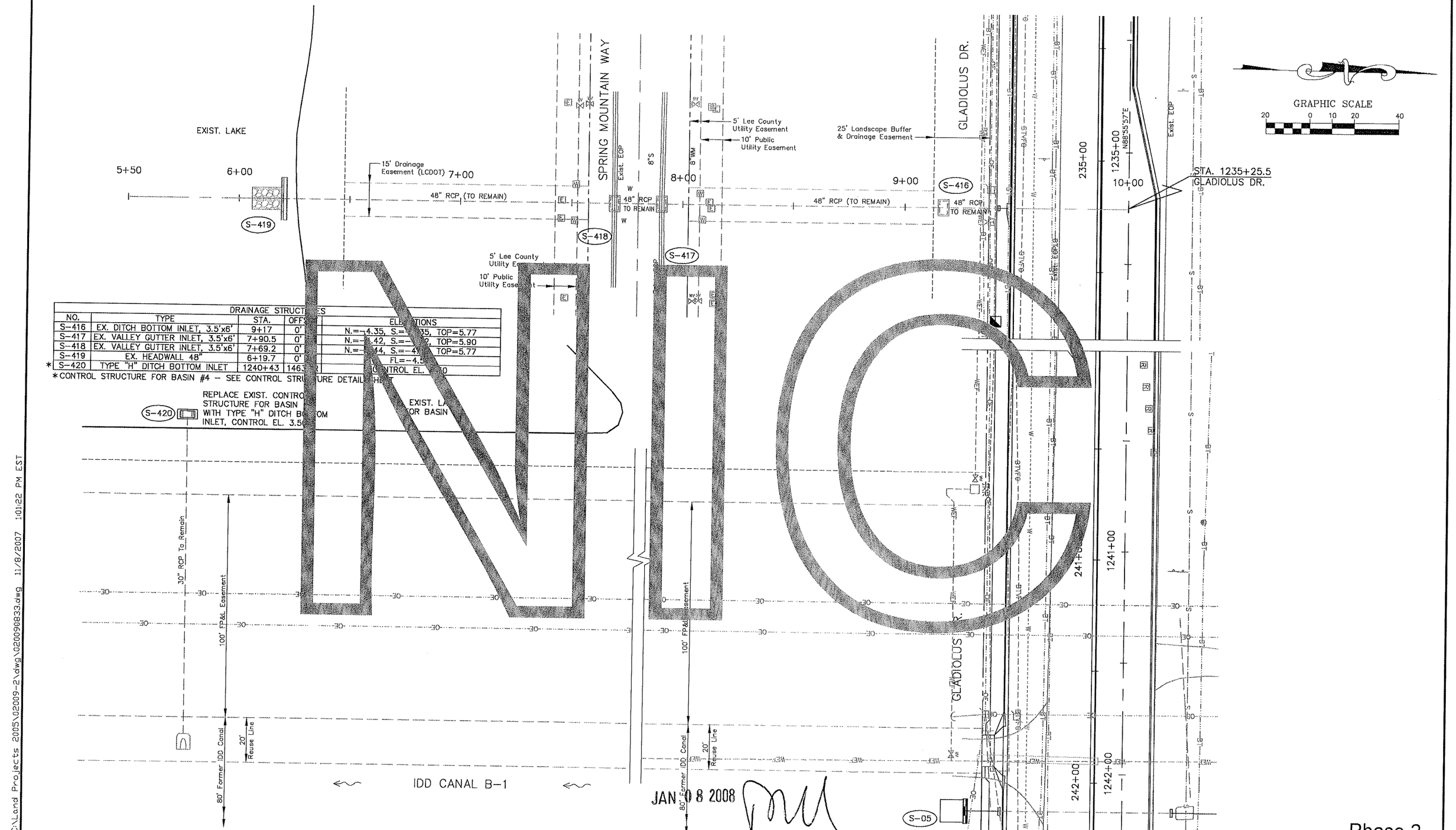
DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRAINAGE PLAN – GLADIOLUS PRESERVE DRAINAGE EASEMENTS

SHEET 51 of 207 SHEETS



DRAINAGE STRUCTURES				
NO.	TYPE	STA.	OFF	ELEVATIONS
S-416	EX. DITCH BOTTOM INLET, 3.5'x6'	9+17	0'	N.=-4.35, S.=-[illegible]35, TOP=5.77
S-417	EX. VALLEY GUTTER INLET, 3.5'x6'	7+90.5	0'	N.=-[illegible]42, S.=-[illegible], TOP=5.90
S-418	EX. VALLEY GUTTER INLET, 3.5'x6'	7+69.2	0'	N.=-[illegible]44, S.=-4[illegible], TOP=5.77
S-419	EX. HEADWALL 48"	6+19.7	0'	FL=-4.5[illegible]
* S-420	TYPE "H" DITCH BOTTOM INLET	1240+43	146[illegible]	[illegible]NTROL EL. [illegible]0

*CONTROL STRUCTURE FOR BASIN #4 – SEE CONTROL STRU[illegible]URE DETAIL [illegible]HEET

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090833		1"=4' (11"x17")

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PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE PLAN – LAGUNA LAKES DRAINAGE EASEMENT

SHEET 52 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020090833.dwg 11/8/2007 10:22 PM EST

GRAPHIC SCALE

20 0 10 20 40

DRAINAGE STRUCTURES					
NO.	TYPE	STA.	OFFSET		ELEVATIONS
S-515	EX. MANHOLE	242+70.3	288.6' R		N.=0.50, S.=50, TOP=6.
S-516	EX. 34"x53" MES	242+98.6	327.3' R		F=50
* S-517	MODIFY EXIST. STRUCTURE	242+91.6	557.5' R	W.	00, TOP=4. ONTROL EL.=50
S-518	EX. DOUBLE 24" MES	242+22.9	557.6' R		F=1.5

*CONTROL STRUCTURE - SEE CONTROL STRUCTURE DETAIL SHE

15' LANDSCAPE BUFFER (LAGUNA LAKES)

100' FP&L EASEMENT

GLADIOLUS DR.

PROP. C/L CONST.

50'

80' IDD CANAL B-1

30'

TO HENDRY CREEK

IDD CANAL B-1

SECTION 33
SECTION 34

S-518

EXIST. 2-24" RCP

S-515 EXIST. 34"x53" ERCP

TO EXIST. DRAINAGE STRUCTURE S-514

EXIST. 34"x53" ERCP

20' LCDOT DRAINAGE EASEMENT

S-516

EXIST. DETENTION POND FOR BASIN #5

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009083B.dwg 11/7/2007 3:36:57 PM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020090838		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE PLAN - FP&L EASEMENT

C:\Land Projects 2005\02009-2\dwg\02009101.dwg 11/20/2007 2:18:36 PM EST

PINE RIDGE RD.

20' DRAINAGE EASEMENT

N01°24'20"W

11+00

10+00

9+00

133+00

134+00

135+00

136+00

STA. 134+42.49
GLADIOLUS DR.

PROP. SIGNAL POLE LOCATION
STA. 134+88
58.5' L, EL. 6.50

PROP. 8' CONC. SIDEWALK

PROP. R/W

R/W

GLADIOLUS DR.

LIMITS OF OVERLAY

PROP. ℄ CONST. & ℄ SURVEY

N89°06'27"E

PROP. TYPE "F" CURB & GUTTER

45' R

4' R

75' R

30' R

PROP. TYPE "D" CURB

PROP. SIGNAL POLE LOCATION
STA. 134+76
60' R, EL. 7.50±

±21.5 100' L

+62.7 100' L

HP 6.03 +76 57' L

6.30 +42, 33' L

5.84 +00, 33' L

6.50 +00 33' R

6.65

6.50

6.65

+50 33' R

6.00 +00, 33' R

6.30 +42.5, 33' R

5.84 +00, 33' R

5.58

5.75

HP 6.03 +65.2 65.5' R

6.30 +42.5 65.5' R

HP 5.95 +12.9 65.5' R

+22.5 100' R

+63.2 100' R

+75 33' R

+94.9 7.58' R

+18.4 11.0' R

+55.1 38.5' R

+60 38.5' R

+87.7 44' L

+96 6.0' R

2%±

2%

1%

1.5%

0.30%

5.80

6.20

6.34

5.90

5.96

5.51

5.80±

GRAPHIC SCALE

20 0 10 20 40

LEGEND

× 5.80 EXIST. SPOT ELEV.

6.30 PROP. SPOT ELEV.

FLOW DIRECTION

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091101		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
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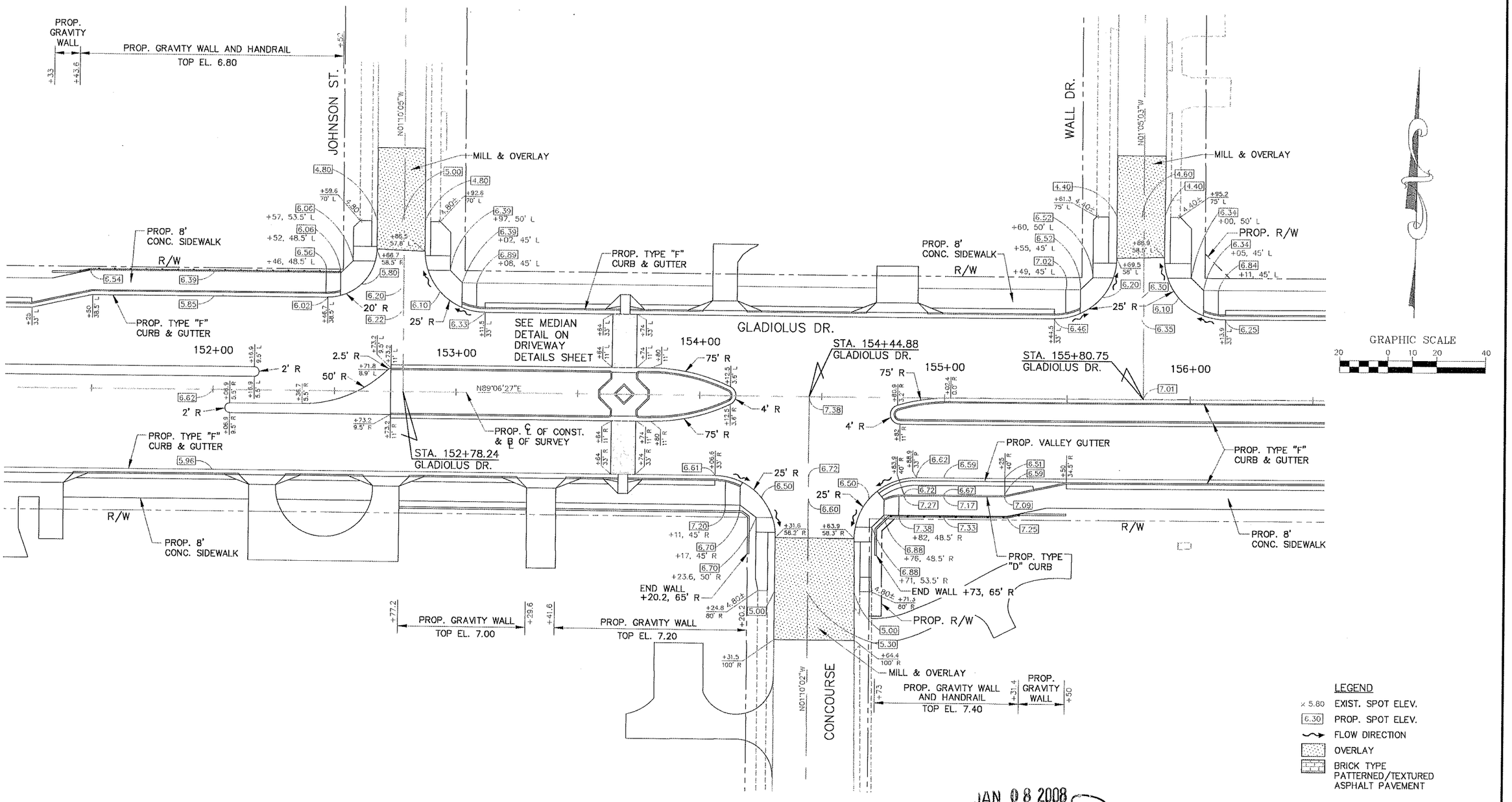
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – PINE RIDGE ROAD

SHEET 54 of 207 SHEETS



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091102.dwg 11/20/2007 2:34:30 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091102.	1"=4' (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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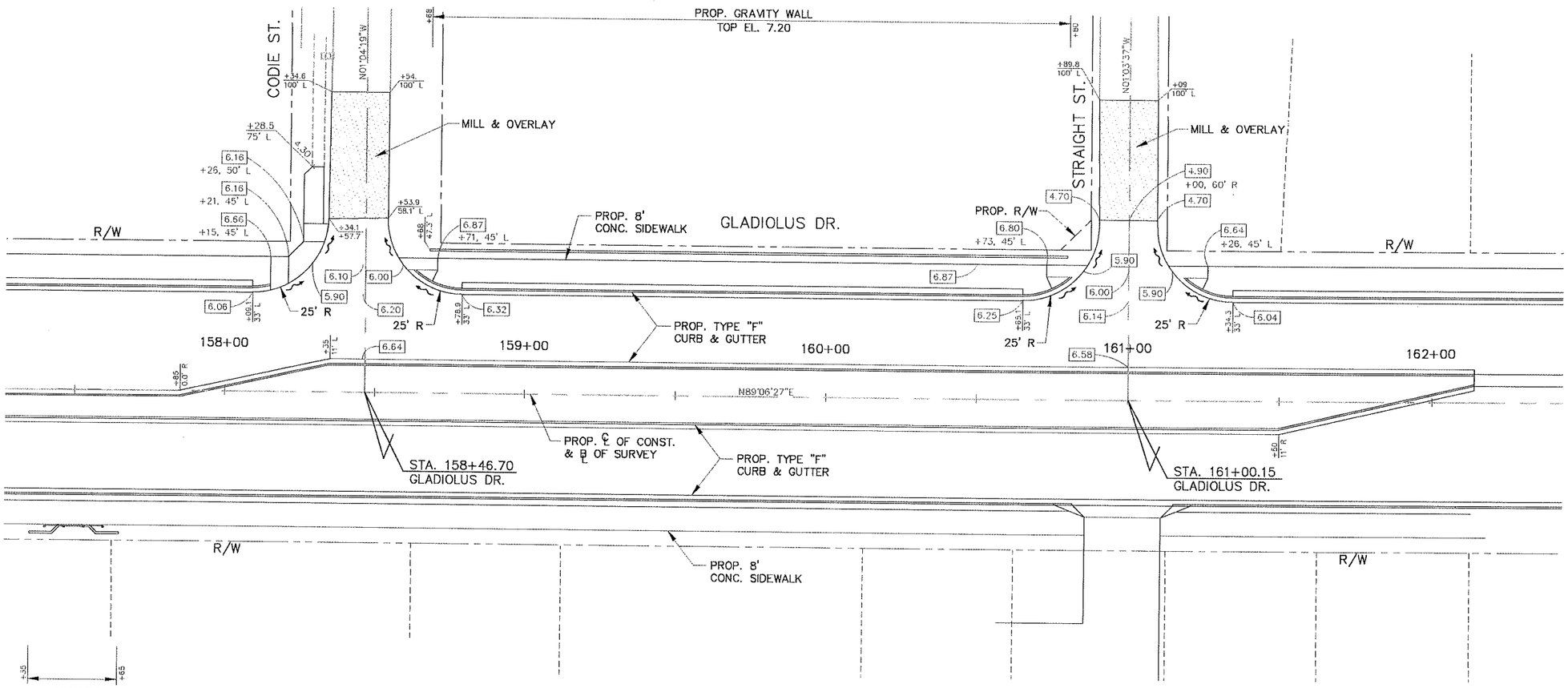
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – JOHNSON ST., CONCOURSE, WALL DR.

SHEET 55 of 207 SHEETS



GRAPHIC SCALE

20 0 10 20 40

LEGEND

- × 5.80 EXIST. SPOT ELEV.
- 6.30 PROP. SPOT ELEV.
- FLOW DIRECTION
- OVERLAY

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091103		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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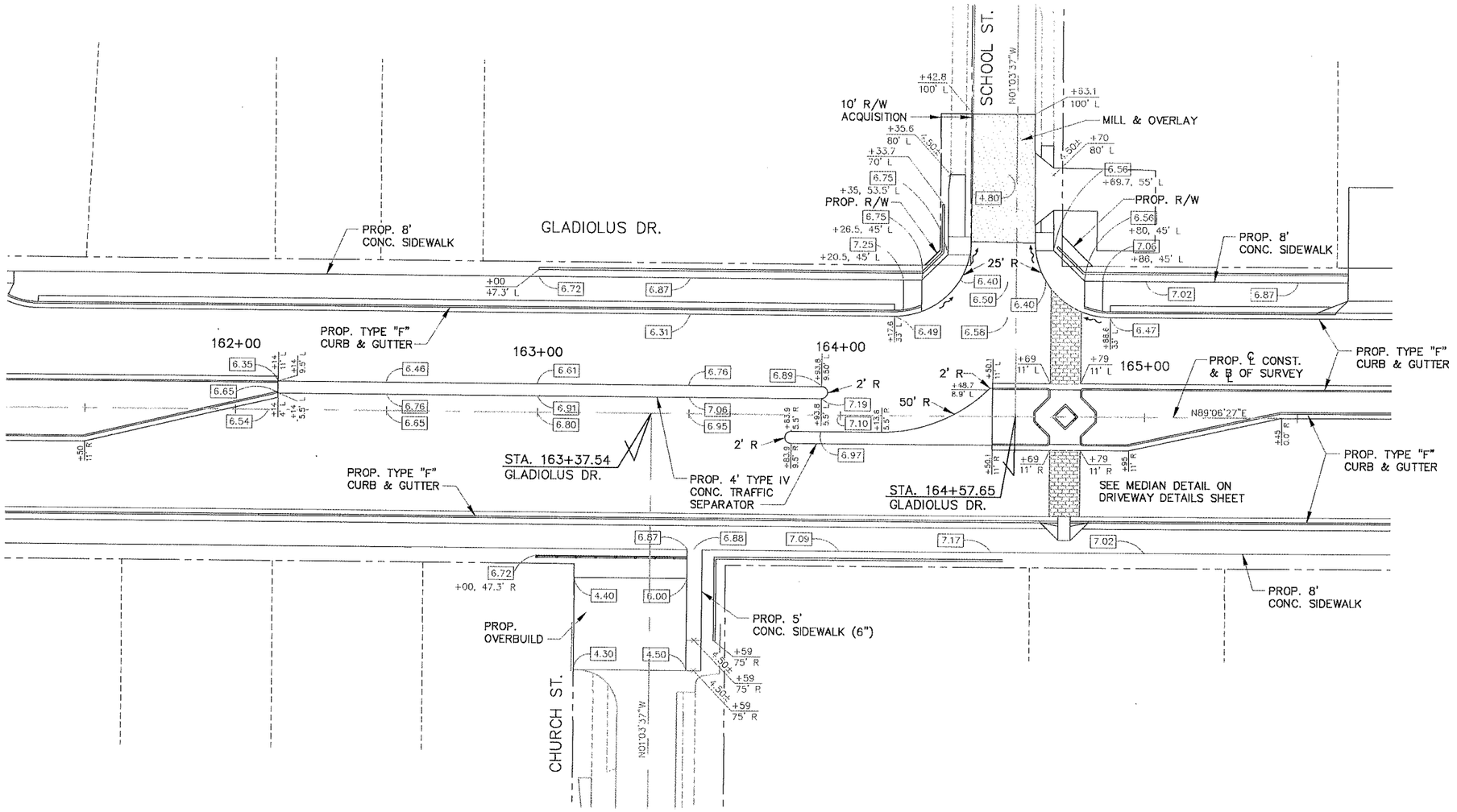
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – CODIE STREET, STRAIGHT STREET

SHEET 56 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091103.dwg 11/20/2007 2:38:26 PM EST



GRAPHIC SCALE

20 0 10 20 40

LEGEND

- × 5.80 EXIST. SPOT ELEV.
- 6.30 PROP. SPOT ELEV.
- FLOW DIRECTION
- OVERLAY
- BRICK TYPE PATTERNED/TEXTURED ASPHALT PAVEMENT

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	1"=20'
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE:	N/A
PROJ NO.: 4083	FILE: 020091104		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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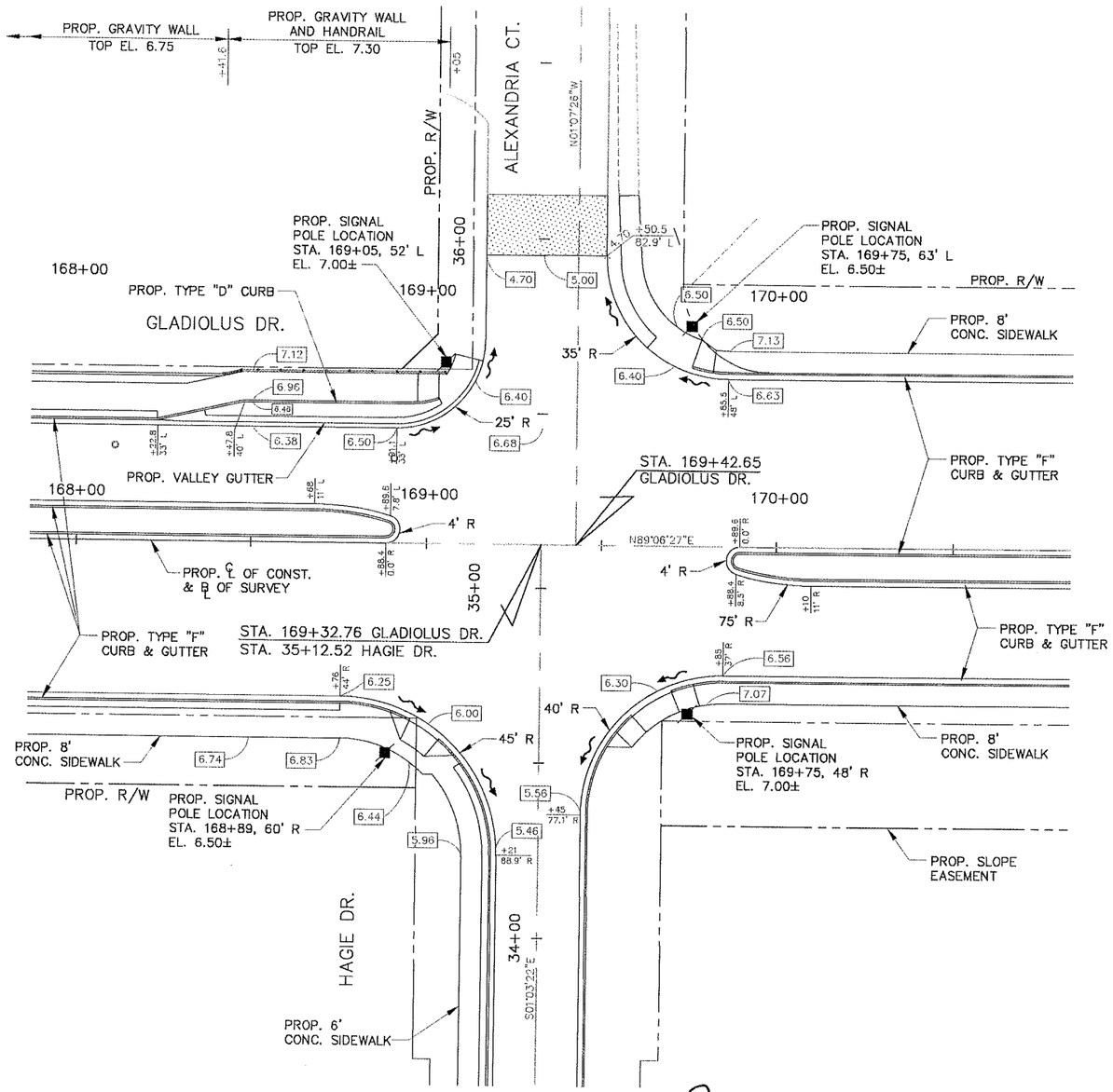
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – CHURCH ST., SCHOOL ST.

SHEET 57 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091104.dwg 11/20/2007 2:43:27 PM EST



GRAPHIC SCALE

20 0 10 20 40

LEGEND

× 5.80	EXIST. SPOT ELEV.
6.30	PROP. SPOT ELEV.
~→	FLOW DIRECTION
▨	OVERLAY

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091105.dwg 11/20/2007 2:51:16 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 110/7	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091105		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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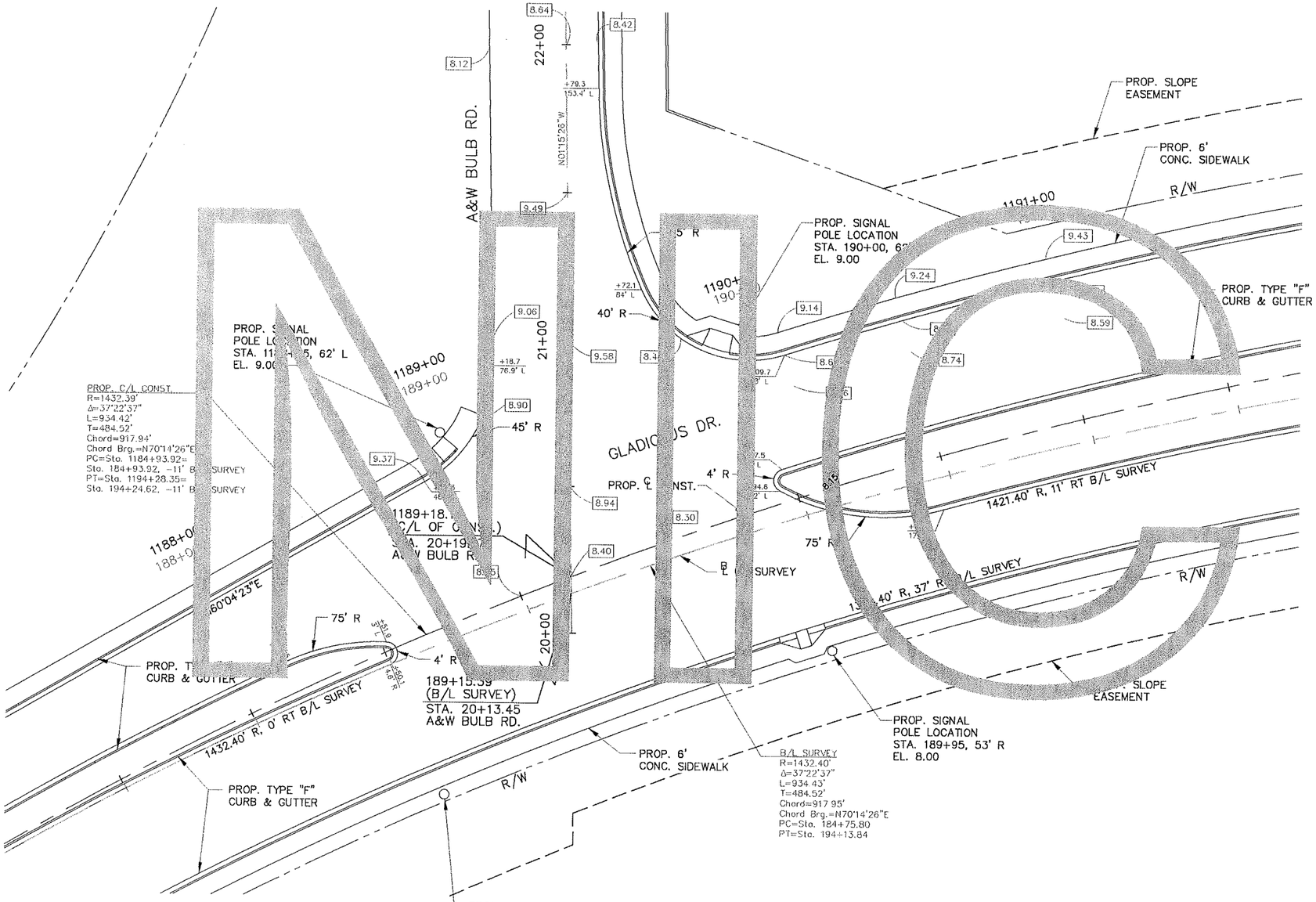
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
INTERSECTION DETAIL – HAGIE DRIVE/ALEXANDRIA COURT

SHEET 58 of 207 SHEETS



GRAPHIC SCALE

20 0 10 20 40

LEGEND

× 5.80 EXIST. SPOT ELEV.

6.30 PROP. SPOT ELEV.

OVERLAY

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091106		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – A&W BULB ROAD

SHEET 59 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\02009106.dwg 11/20/2007 31757 PM EST

GRAPHIC SCALE
20 0 10 20 40

STONEGATE ENT.

LENOX GARDEN LN.

PROP. 6' CONC. SIDEWALK

R/W

1202+00

1203+00

1204+00

1205+00

1206+00

1207+00

PROP. R/W

PROP. TYPE "F" CURB & GUTTER

GLADIOLUS DR.

STA. 1[illegible]2+33.81 GLADIOLUS DR

STA. 10[illegible]1 PRESERVE BLVD.

PROP. ℄ OF CONST

40' R

75' R

4' R

35' R

20' R

15' R

5' R

PROP. TYPE "F" CURB & GUTTER

PROP. CURB [illegible]PE "F" GUTTER

PROP. CONC[illegible]DEWALK

OF SURVEY

PRESERVE BLVD.

10+00

9+00

N01°04'33"W

N[illegible]55'45"E

7.43 7.12 7.74 6.79 6.83 6.99 7.12 8.50 7.70 7.54 6.90 7.04 6.17 6.07

10' PUE

4.5' Lee County Utility Easement

15" RCP

10' PUE

15' Drainage Easement

LEGEND

× 5.80 EXIST. SPOT ELEV.

6.30 PROP. SPOT ELEV.

FLOW DIRECTION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091107.dwg 11/26/2007 8:43:26 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091107		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
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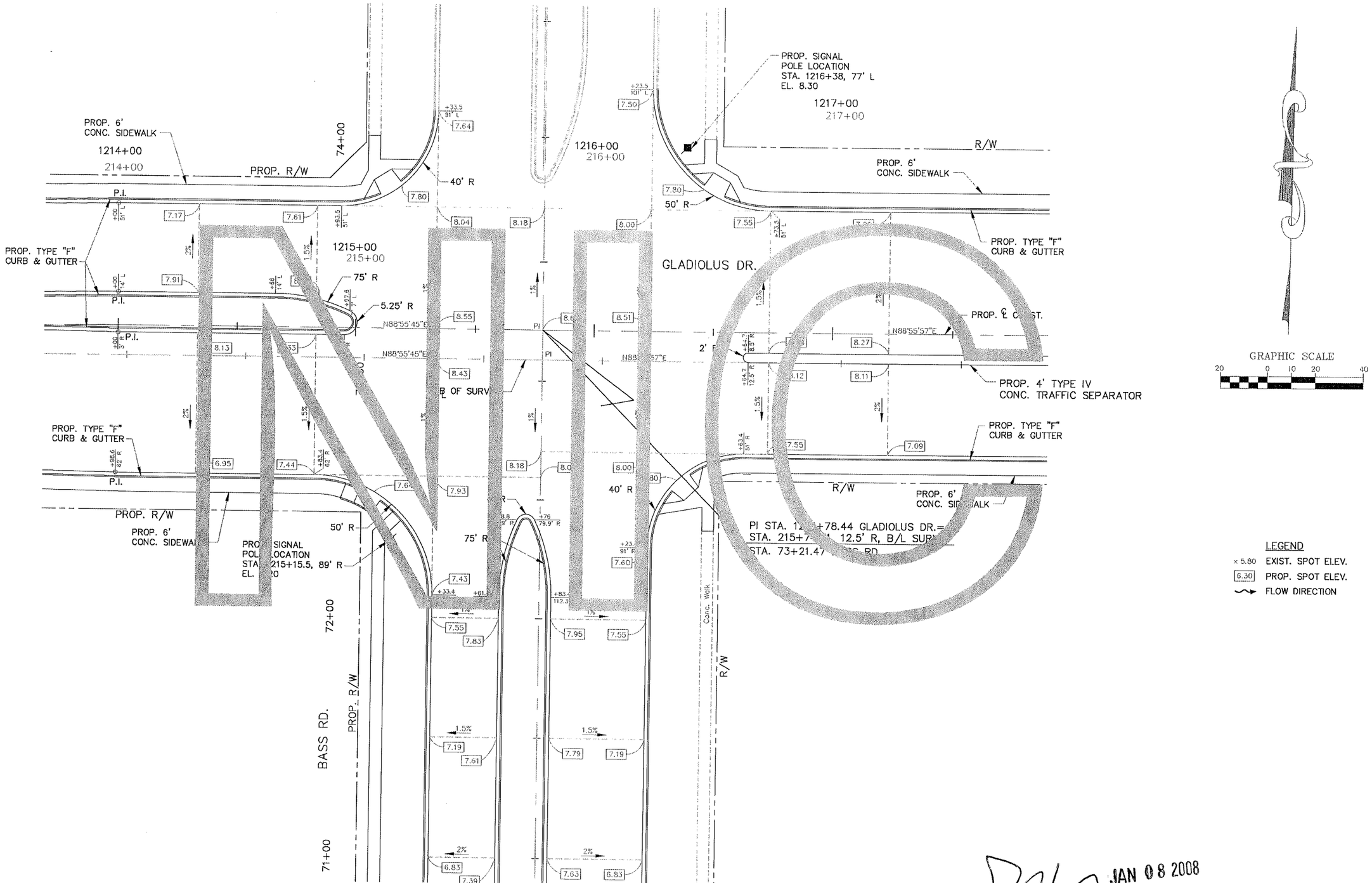
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL–GLADIOLUS PRESERVE BLVD/LENOX GARDEN LN

SHEET 60 of 207 SHEETS



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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 02009110B		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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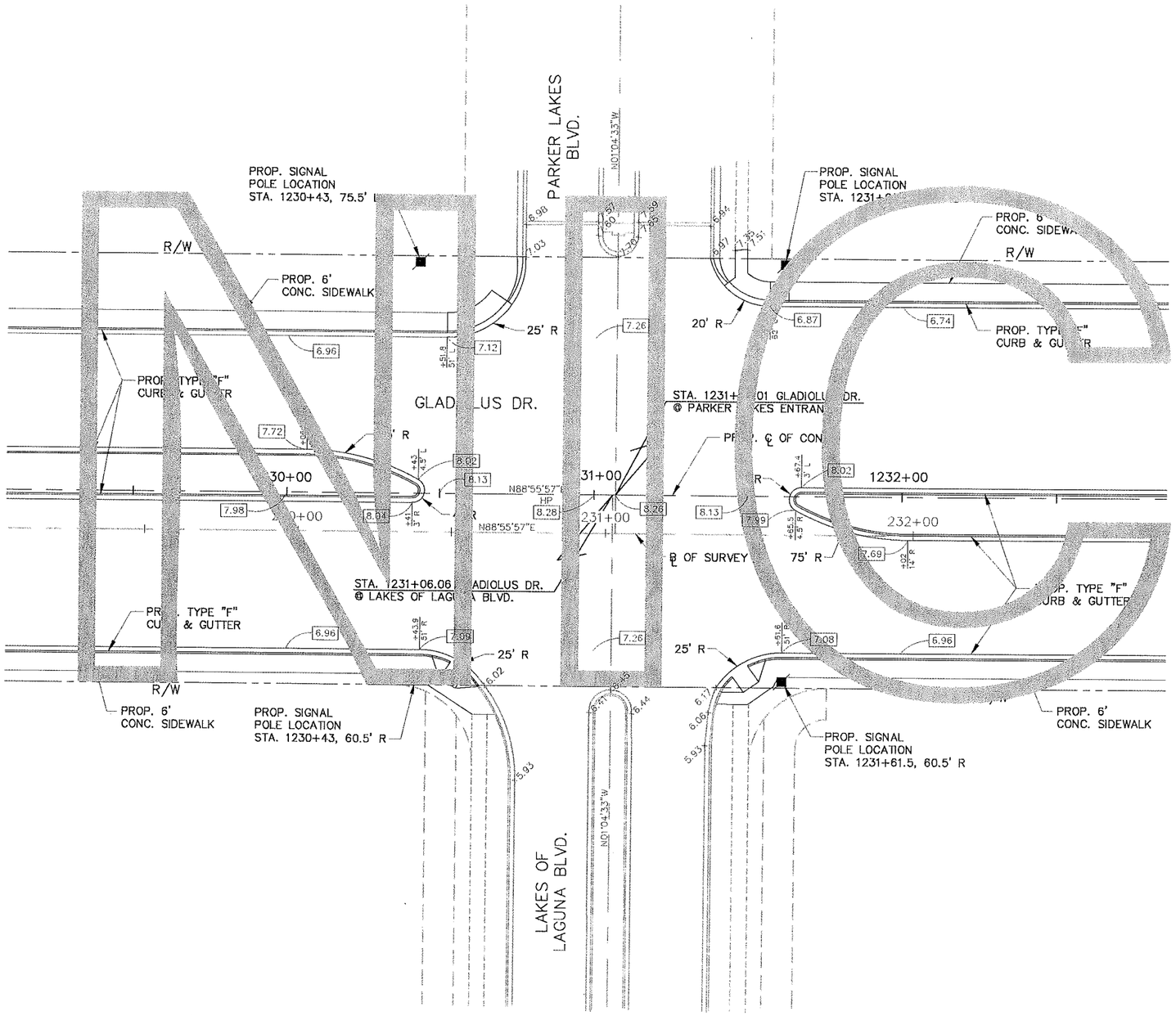
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – BASS ROAD

SHEET 61 of 207 SHEETS



GRAPHIC SCALE

20 0 10 20 40

LEGEND

- x 5.80 EXIST. SPOT ELEV.
- 6.30 PROP. SPOT ELEV.
- FLOW DIRECTION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009l109.dwg 11/21/2007 8:31:03 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 02009l109		N/A (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
1500 MONROE STREET
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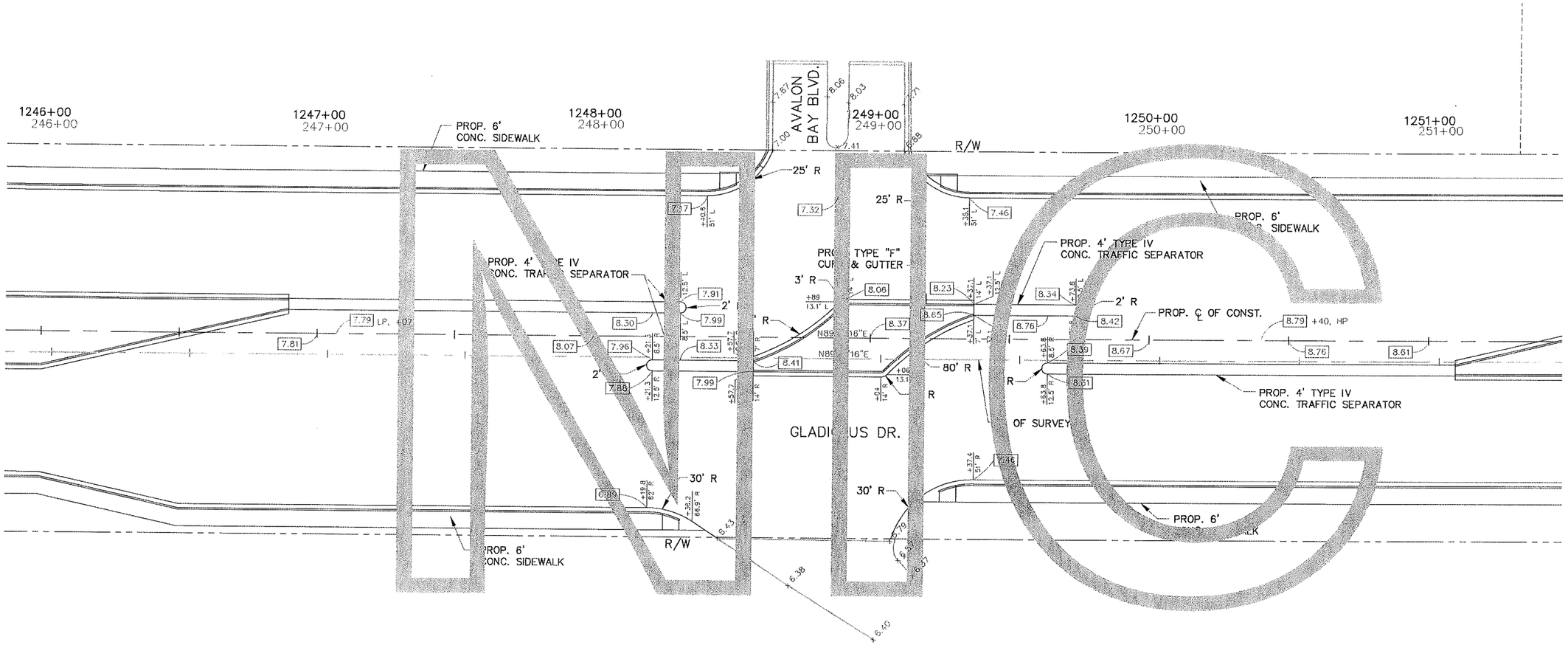
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
INTERSECTION DETAIL – PARKER LAKES/LAGUNA LAKES

SHEET 62 of 207 SHEETS



GRAPHIC SCALE

20 0 10 20 40

LEGEND

x 5.80	EXIST. SPOT ELEV.
6.30	PROP. SPOT ELEV.
~→	FLOW DIRECTION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009110.dwg 11/21/2007 9:50:07 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091110		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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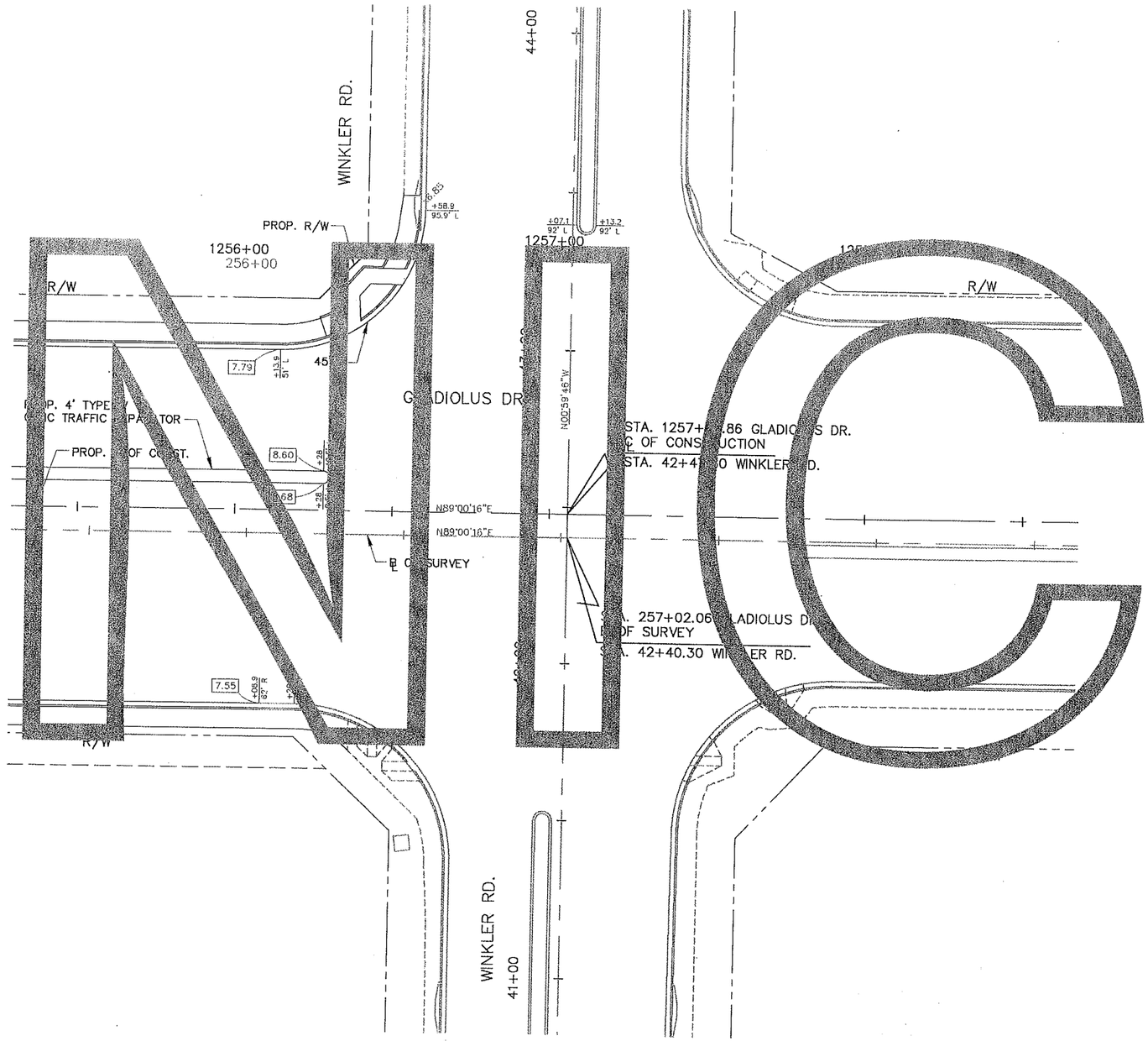
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – AVALON BAY BOULEVARD

SHEET 63 of 207 SHEETS



GRAPHIC SCALE

20 0 10 20 40

LEGEND

x 5.80	EXIST. SPOT ELEV.
6.30	PROP. SPOT ELEV.
⇝	FLOW DIRECTION

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091111		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
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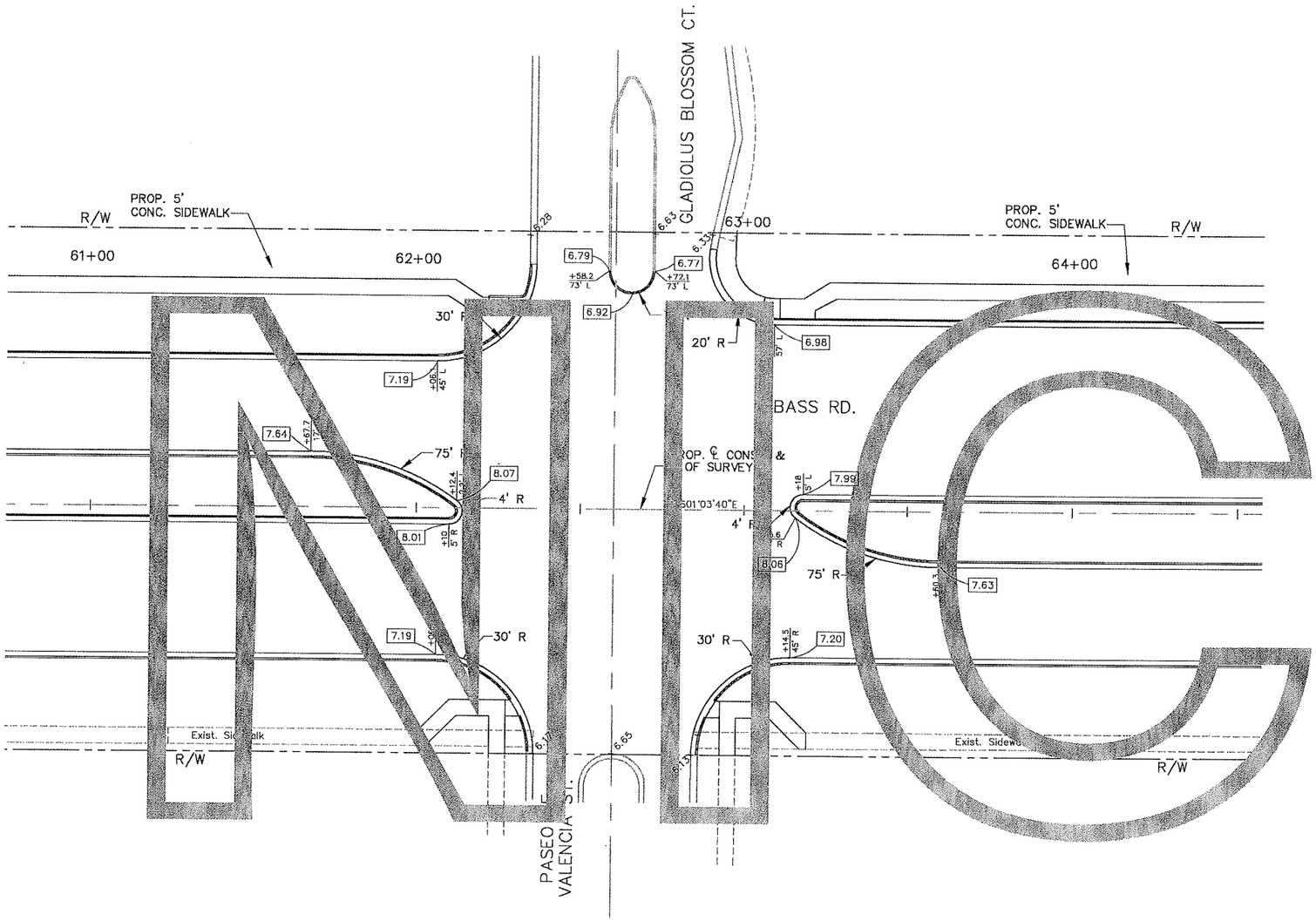
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – WINKLER ROAD

SHEET 64 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091111.dwg 11/21/2007 3:15:36 PM EST



GRAPHIC SCALE

20 0 10 20 40

LEGEND

- x 5.80 EXIST. SPOT ELEV.
- 6.30 PROP. SPOT ELEV.
- FLOW DIRECTION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009112.dwg 11/21/2007 31705 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 02009112		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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FLORIDA PE NO. 60391
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LEE COUNTY
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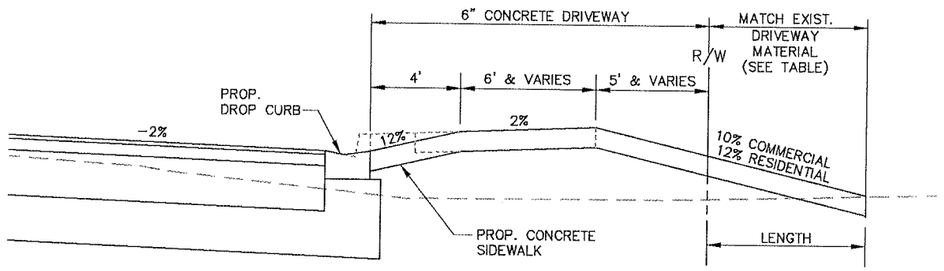
DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

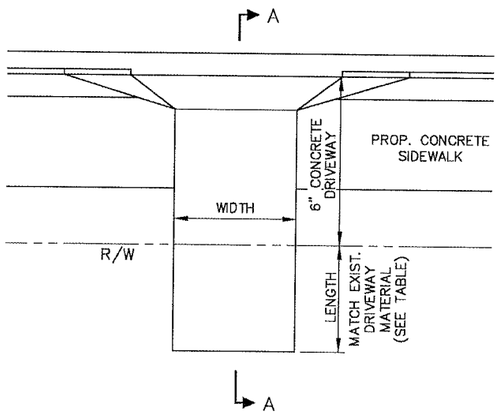
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

INTERSECTION DETAIL – BASS RD. & LAGUNA LAKES ENT.

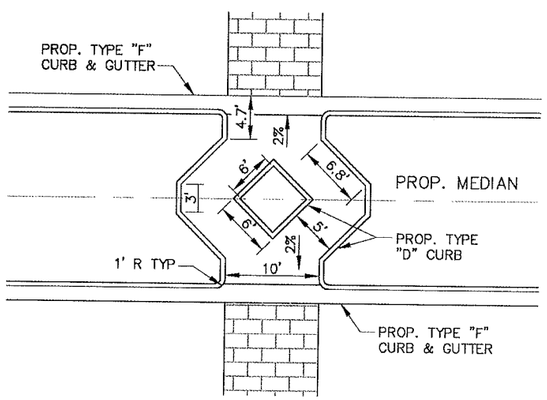
SHEET 65 of 207 SHEETS



DRIVEWAY SECTION A-A
NTS



TYPICAL DRIVEWAY PLAN
NTS



MEDIAN DETAIL
NTS

DRIVEWAY SUMMARY OF QUANTITIES

STATION	PARCEL NUMBER	SIDE	WIDTH	COMMERCIAL/ RESIDENTIAL	LENGTH	MATERIAL	TURNOUT TYPE
137+62	2	R	24'	COMMERCIAL	3.2'	ASPHALT	A-12
140+31.7	3	R	25'	RESIDENTIAL	7.8'	ASPHALT	A-12
140+62	40	L	24'	COMMERCIAL	2.8'	ASPHALT	A-12
141+18	4	R	21'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 4	ASPHALT	A-12
141+72.4	41	L	12'	RESIDENTIAL	9.9'	GRASS	A-12
142+25.5	5	R	12'	RESIDENTIAL	8.0'	ASPHALT	A-12
142+63	6	R	12'	RESIDENTIAL	6.1'	CONCRETE	A-12
143+06.2	43	L	24'	COMMERCIAL	13'	ASPHALT	A-12
143+49.2	7	R	18'	RESIDENTIAL	8.8'	CONCRETE	A-12
143+69.1	44	L	12'	RESIDENTIAL	13.9'	GRASS	A-12
144+40.3	8	R	11'	RESIDENTIAL	5.0'	GRAVEL	A-12
145+73	9	R	10.5'	RESIDENTIAL	0.2'	GRAVEL	A-12
146+50.3	46	L	12'	RESIDENTIAL	5.1'	GRAVEL	A-12
147+34.6	11	R	13'	RESIDENTIAL	11.4'	DIRT	A-12
147+86.5	12	R	12.7'	RESIDENTIAL	12.0'	CONCRETE	A-12
147+98.6	47	L	19.9'	COMMERCIAL	12.7'	ASPHALT	A-12
148+38.8	13	R	12'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 13	CONCRETE	A-12
149+06	47	L	19'	COMMERCIAL	10.9'	ASPHALT	A-12
149+37.6	14	R	13'	RESIDENTIAL	12.0'	ASPHALT	A-12
149+65.8	48	L	10'	RESIDENTIAL	8.2'	ASPHALT	A-12
149+94.6	15	R	12'	RESIDENTIAL	13.3'	DIRT	A-12
150+57.9	16	R	14'	RESIDENTIAL	10.0'	GRAVEL	A-12
150+75.8	49	L	10'	RESIDENTIAL	10.0'	DIRT	A-12
151+15.3	17	R	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 17	GRAVEL	A-12
151+33.7	18	R	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 18	CONCRETE	A-12
152+20.7	19	R	11'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 19	CONCRETE	A-12
152+71.7	19	R	11'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 19	CONCRETE	A-12
153+35.6	21	R	12'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 21	GRAVEL	A-12
154+09.8	54	L	10'	RESIDENTIAL	12.3'	GRAVEL	A-12
154+80.3	55	L	17'	RESIDENTIAL	4.0'	CONCRETE	A-12
160+98.7	28/29	R	25'	COMMERCIAL	SEE DRIVEWAY DETAIL - PARCEL 28	ASPHALT	A-12
162+23	32	R	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 32	GRAVEL	A-12
162+56	32	R	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 32	GRAVEL	A-12
165+76.7	65	L	21'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 65	ASPHALT	A-12
166+56.2	66	L	12'	RESIDENTIAL	9'	CONCRETE	A-12
CONCOURSE	22	L	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 22	CONCRETE	N/A
CONCOURSE	23	R	10'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 23	CONCRETE	N/A
SCHOOL ST.	64	R	14'	RESIDENTIAL	SEE DRIVEWAY DETAIL - PARCEL 64	CONCRETE	N/A
NIC ~~1210+27~~	~~75~~	~~L~~	~~29.2'~~	~~RESIDENTIAL~~	~~0'~~	~~CONCRETE~~	~~A-2~~
NIC ~~1241+51.3~~	~~FPL ESMT.~~	~~L~~	~~12'~~	~~RESIDENTIAL~~	~~0'~~	~~CONCRETE~~	~~A-2~~
NIC ~~1241+89.9~~	~~FPL ESMT.~~	~~R~~	~~14'~~	~~RESIDENTIAL~~	~~0'~~	~~CONCRETE~~	~~A-2~~
NIC ~~1244+25.5~~	~~80~~	~~L~~	~~20.5'~~	~~RESIDENTIAL~~	~~0'~~	~~CONCRETE~~	~~A-2~~
NIC ~~1253+18.8~~	~~82~~	~~L~~	~~40.2'~~	~~RESIDENTIAL~~	~~0'~~	~~CONCRETE~~	~~A-2~~

DRIVEWAY NOTES

1. DRIVEWAYS SHALL BE RECONSTRUCTED AS DEPICTED ON THE PLANS AND ON INDEX 515.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES AND NOTIFY THE OWNER AT LEAST ONE WEEK IN ADVANCE BEFORE THE BEGINNING OF THE DRIVEWAY RECONSTRUCTION.
3. DRIVEWAYS SHALL BE RECONSTRUCTED WITH CONCRETE BETWEEN THE EDGE OF PAVEMENT AND THE RIGHT OF WAY LINE. PAYMENT UNDER ITEM 522-2.
4. OUTSIDE THE RIGHT OF WAY, DRIVEWAYS SHALL BE RECONSTRUCTED TO MATCH THE EXISTING DRIVEWAY MATERIAL TYPE AND THICKNESS. FOR CONCRETE DRIVEWAYS PAYMENT UNDER ITEM 522-2. ALL OTHER DRIVEWAYS PAYMENT UNDER ITEM 286-1.
5. CROSS SLOPE ON THE RECONSTRUCTED DRIVEWAYS SHALL BE TOWARDS THE PROPOSED YARD DRAIN.

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 1083	FILE: 020091403	N/A	(11"x17")

APPROVED BY:
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRIVEWAY DETAILS - TYPICAL

SHEET 66 of 207 SHEETS

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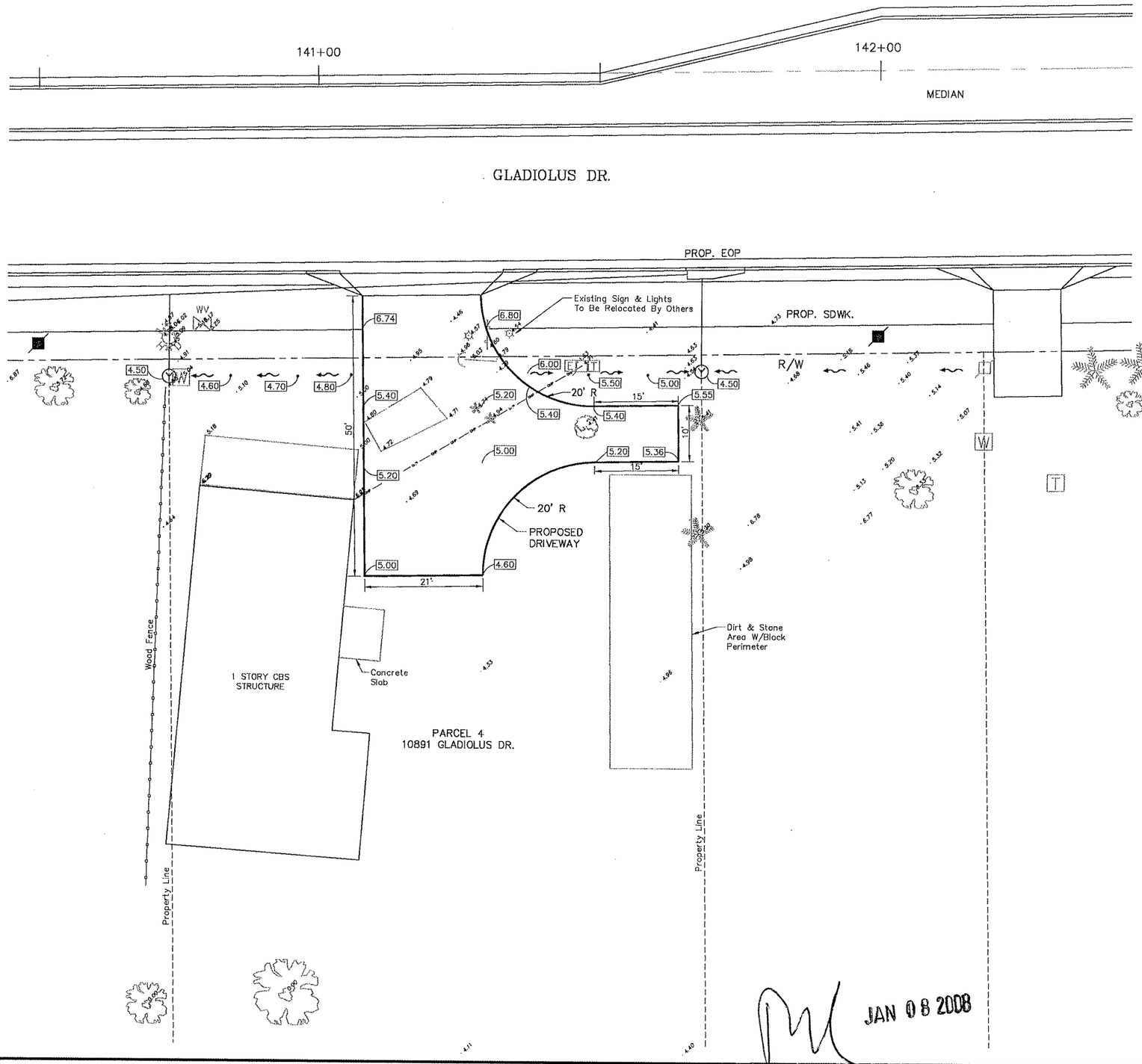

GRAPHIC SCALE

10 0 5 10 20

LEGEND

4.70 EXISTING ELEVATION

4.70 PROPOSED ELEVATION

JAN 08 2008

Phase 2

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091463	N/A	(11"x17")

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ROBERT KIMBALL PHELAN
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRIVEWAY DETAIL – PARCEL 4

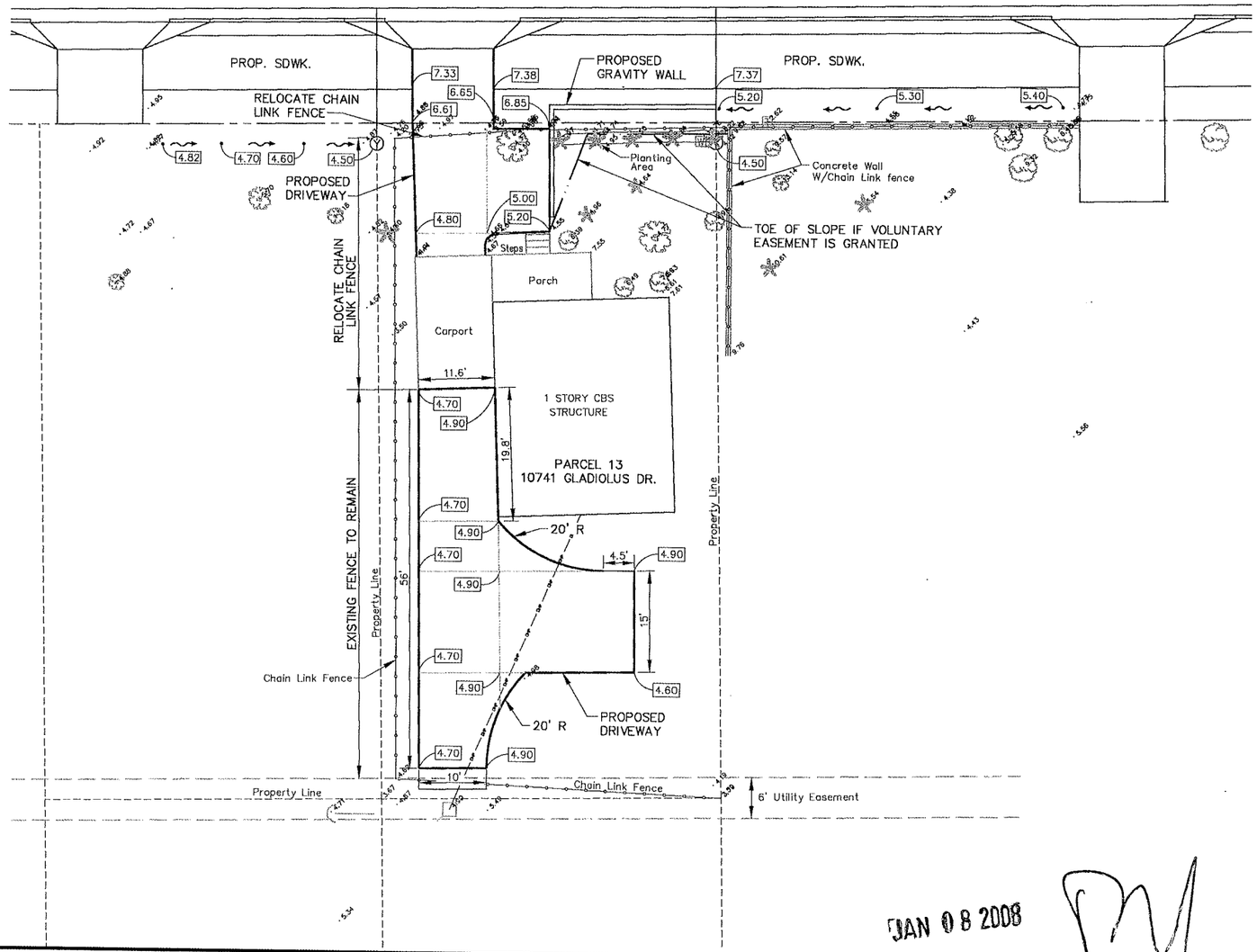
SHEET 67 of 207 SHEETS

148+00

149+00

MEDIAN

GLADIOLUS DR.



GRAPHIC SCALE

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LEGEND

4.70 EXISTING ELEVATION

4.70 PROPOSED ELEVATION

JAN 08 2008

Phase 2

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091465		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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FLORIDA PE NO. 60391
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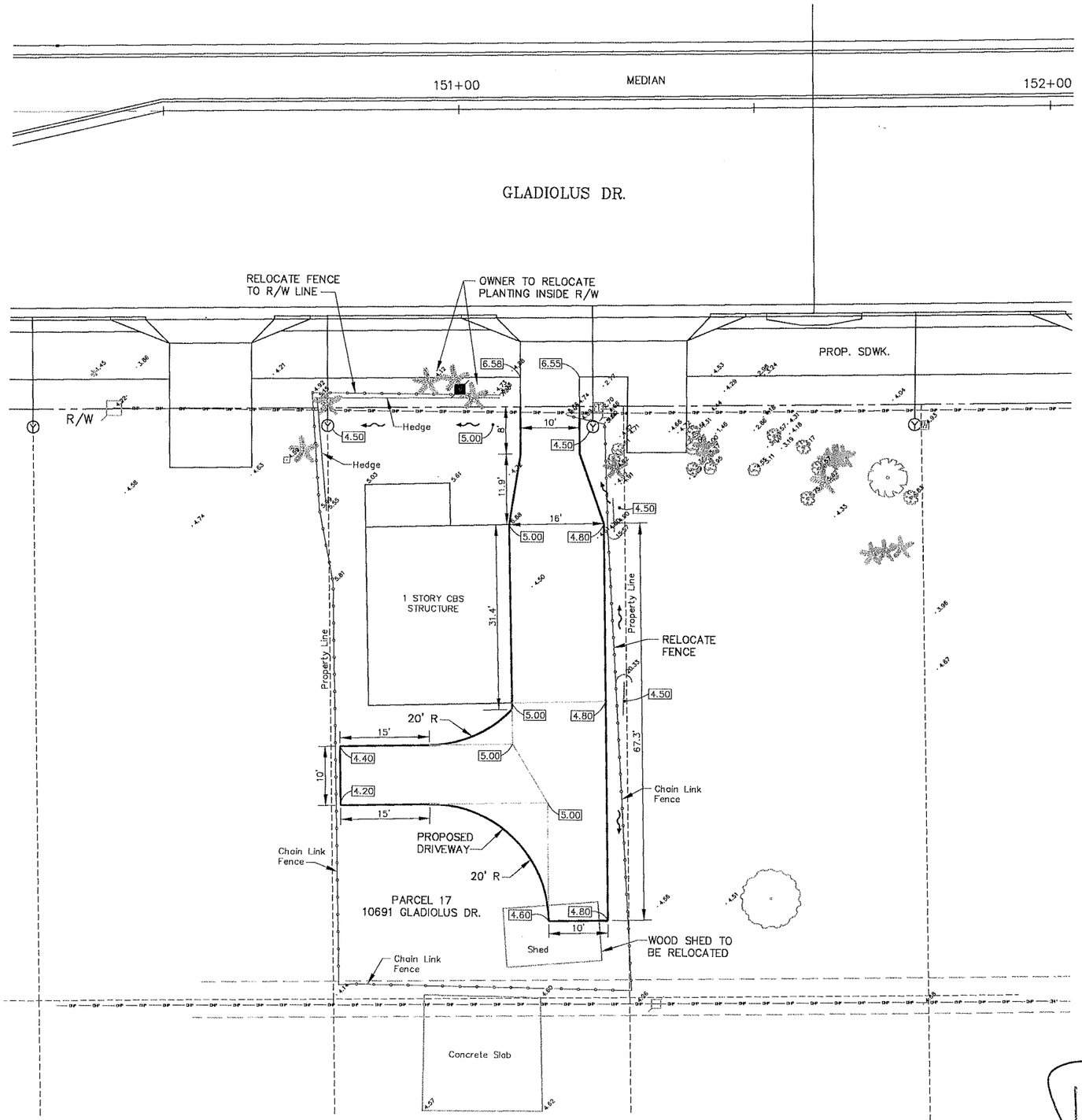
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRIVEWAY DETAIL – PARCEL 13

SHEET 68 of 207 SHEETS



GRAPHIC SCALE

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LEGEND

4.70 EXISTING ELEVATION

[4.70] PROPOSED ELEVATION

JAN 08 2008

Phase 2

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091468	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
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DATE:

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SOUTHWEST FLORIDA
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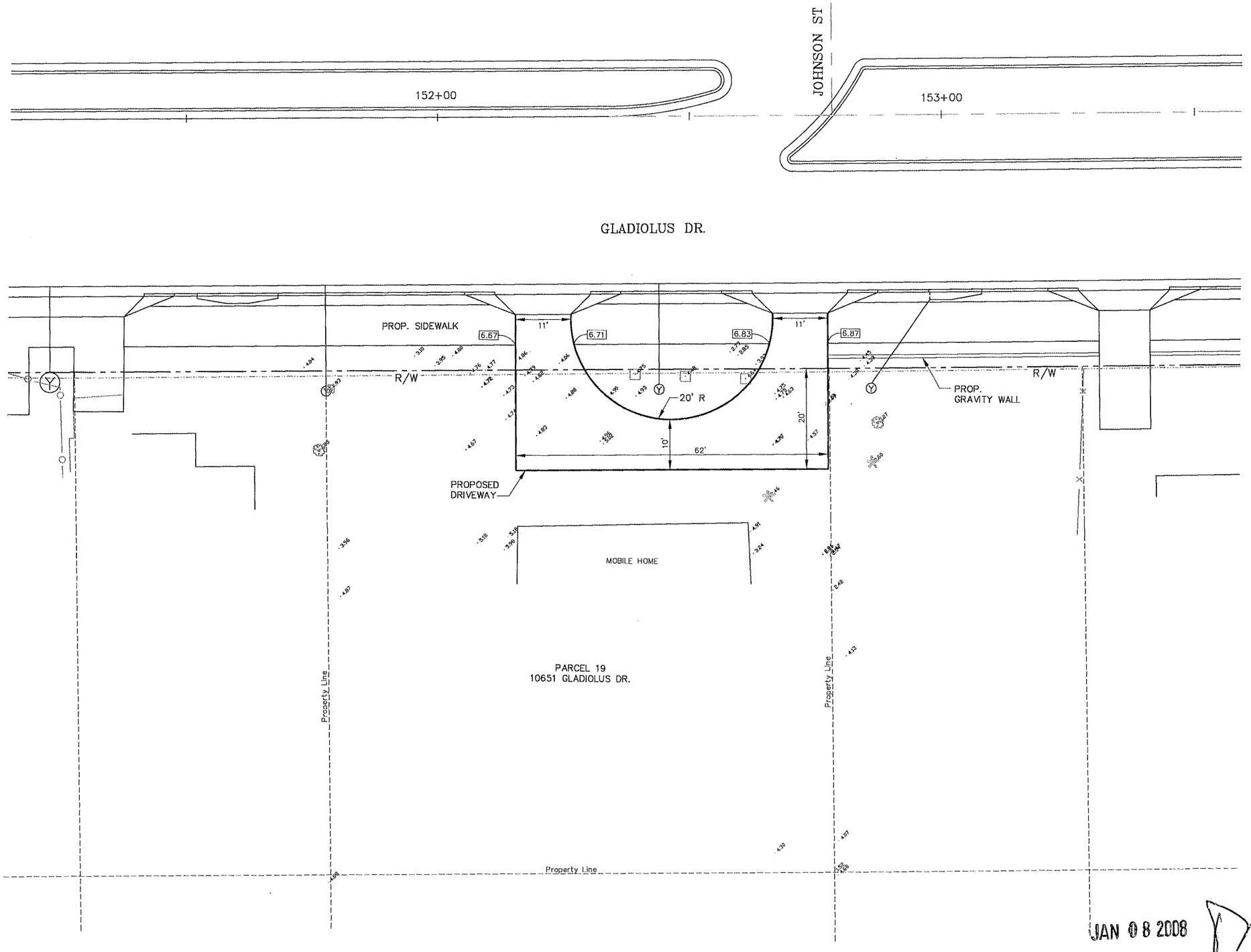
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRIVEWAY DETAIL – PARCEL 17

SHEET 69 of 207 SHEETS



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JAN 0 8 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091494		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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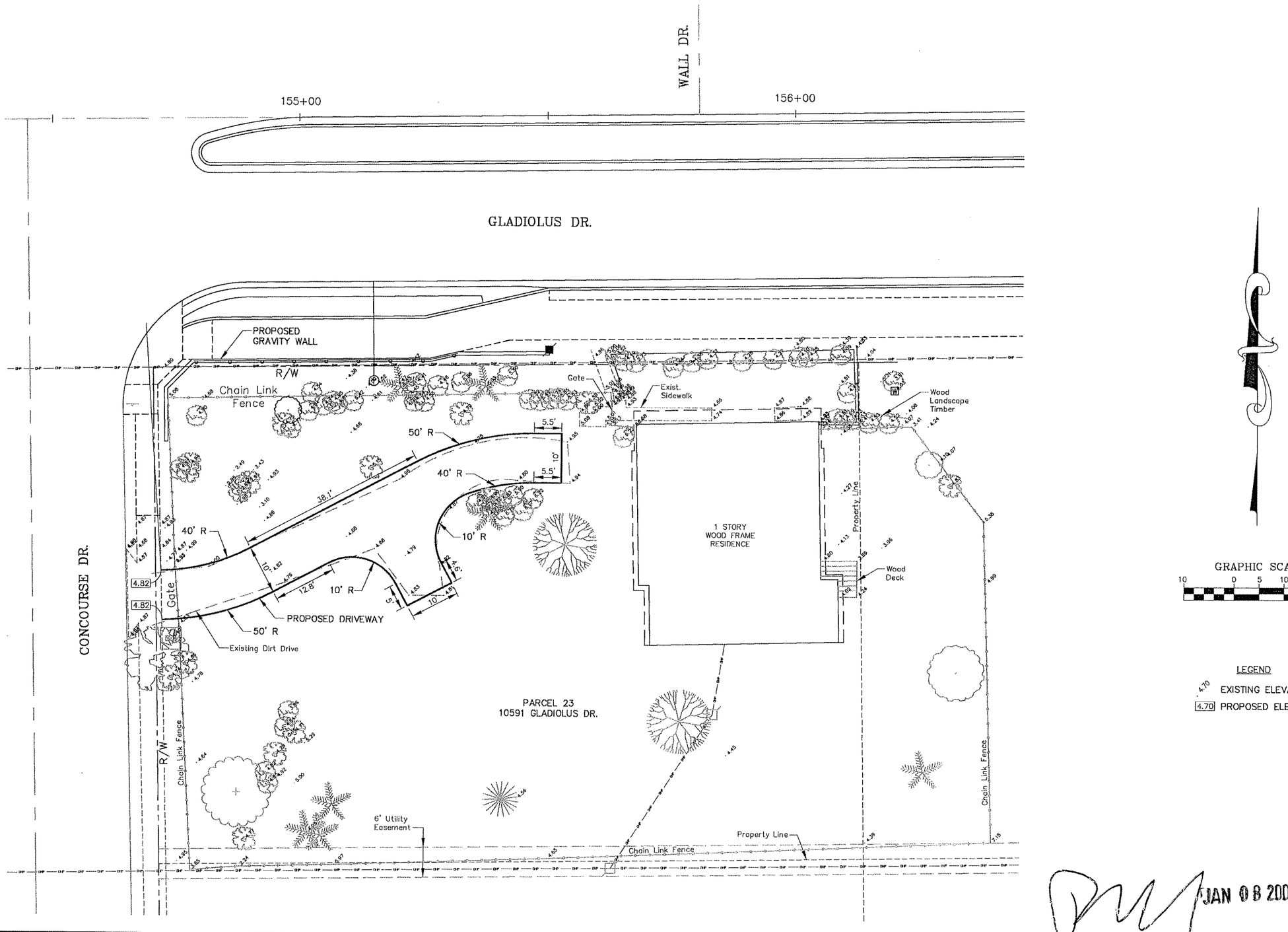
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRIVEWAY DETAIL – PARCEL 19

SHEET 70 of 207 SHEETS



JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 02009147?		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
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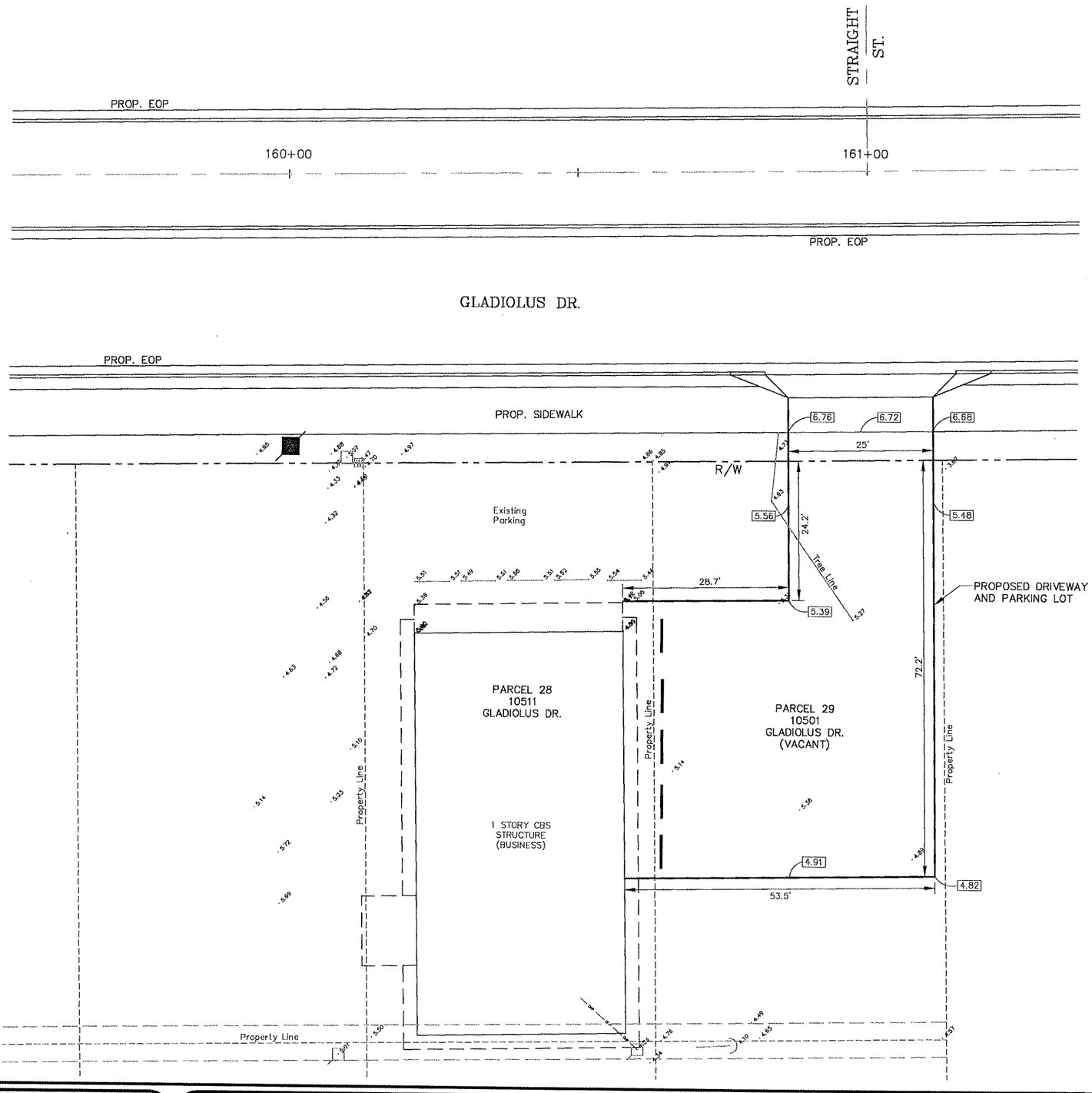
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRIVEWAY DETAIL – PARCEL 23

SHEET 71 of 207 SHEETS



GRAPHIC SCALE

10 0 5 10 20

LEGEND

4.70 EXISTING ELEVATION

4.70 PROPOSED ELEVATION

JAN 08 2008

Phase 2

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DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091478	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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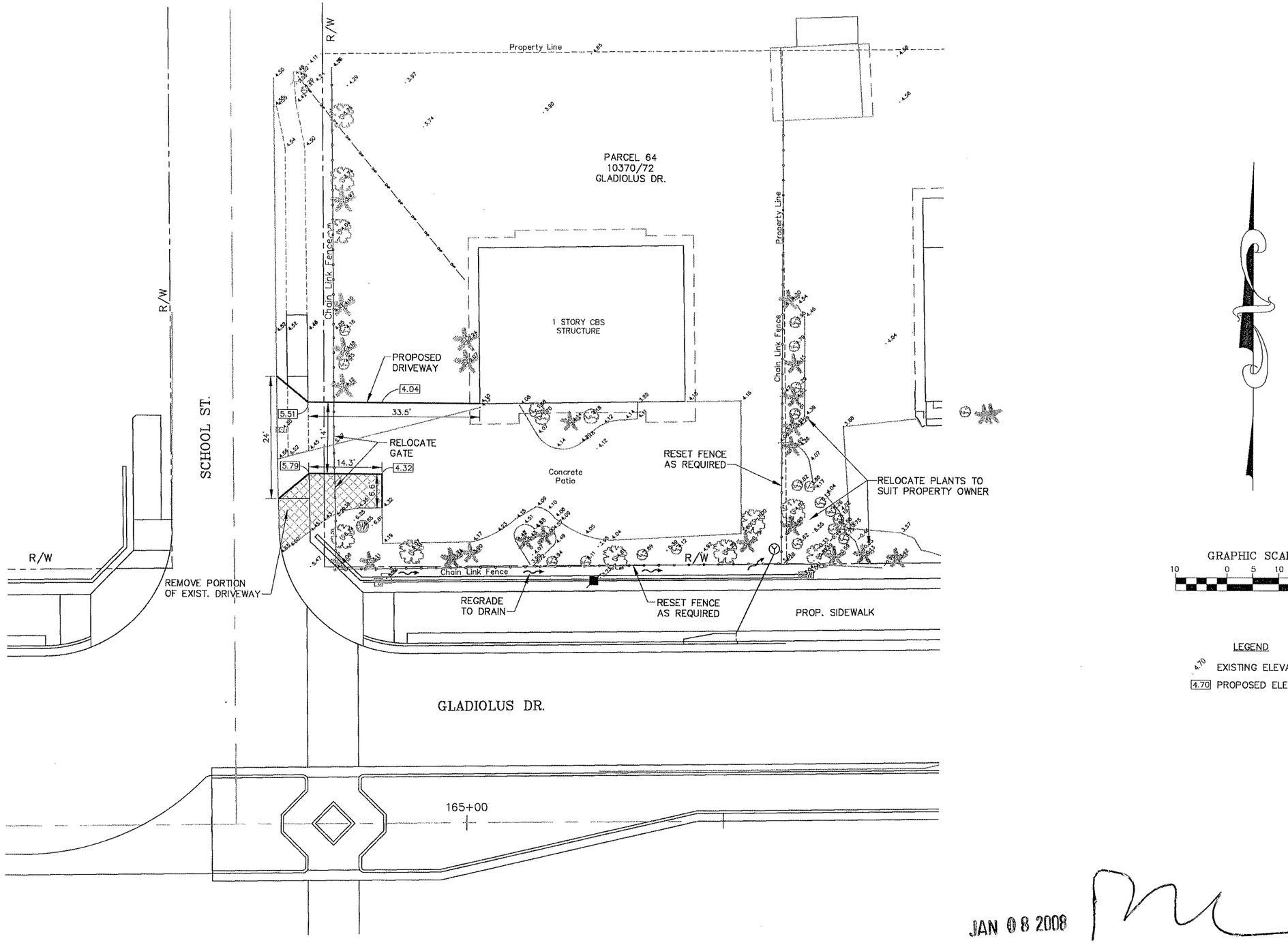
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRIVEWAY DETAIL – PARCEL 28

SHEET 72 of 207 SHEETS



GRAPHIC SCALE

10 0 5 10 20

LEGEND

4.70 EXISTING ELEVATION

[4.70] PROPOSED ELEVATION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091482.dwg 11/8/2007 11:34 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07	1"=20'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091482	N/A	(11"x17")

APPROVED BY:
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DATE:

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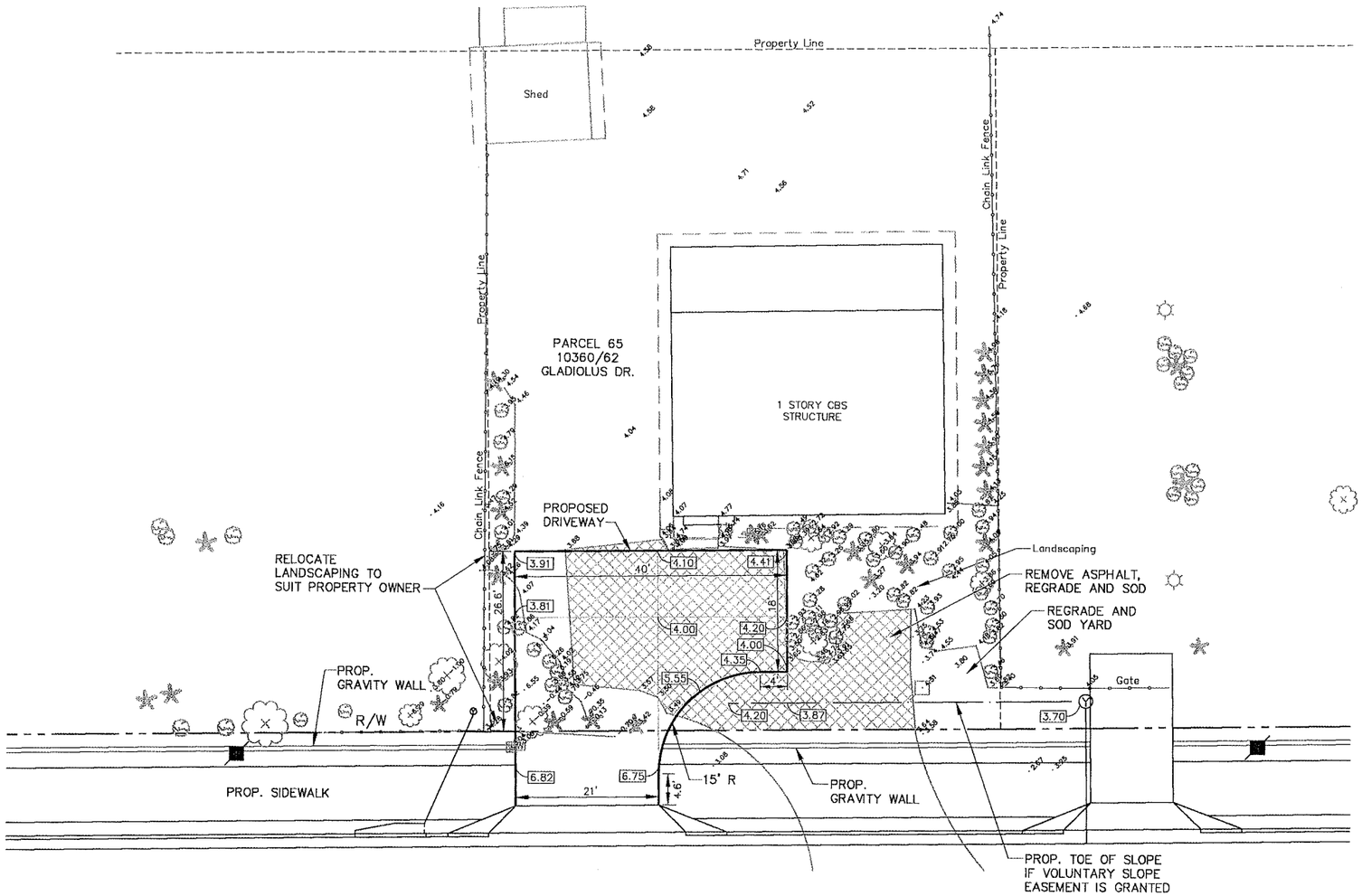
GLADIOLUS DRIVE WIDENING
FINE RIDGE ROAD TO WINKLER ROAD

DRIVEWAY DETAIL – PARCEL 64

SHEET 73 of 207 SHEETS



GRAPHIC SCALE

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LEGEND

4.70 EXISTING ELEVATION

4.70 PROPOSED ELEVATION

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091483		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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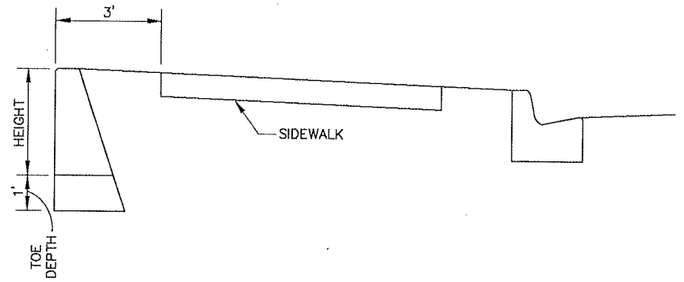
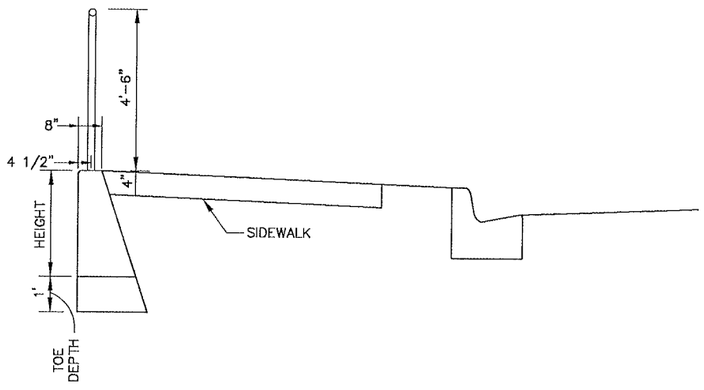
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRIVEWAY DETAIL – PARCEL 65

SHEET 74 of 207 SHEETS



GRAVITY WALL DETAIL
NTS

LOCATION	STATION		OFFSET	AVERAGE HEIGHT	DISTANCE
	FROM	TO			
GLADIOLUS	144+35	146+10	LEFT	3'	175'
GLADIOLUS	148+53	148+77.5	RIGHT	3'	42.5'
GLADIOLUS	151+33	152+52	LEFT	2'	119'
GLADIOLUS	152+81.2	153+30.8	RIGHT	3.5'	49.6'
GLADIOLUS	153+40.8	154+20.3	RIGHT	3'	79.5'
GLADIOLUS	154+14.8	154+71.8	LEFT	3.5'	57'
GLADIOLUS	154+72.3	155+50	RIGHT	3'	77.7'
GLADIOLUS	157+35	157+65	RIGHT	2.5'	30'
GLADIOLUS	158+68	160+80	LEFT	3.5'	212'
GLADIOLUS	163+00	163+50	RIGHT	2.5'	50'
GLADIOLUS	163+00	164+33.7	LEFT	3.5'	133.7'
GLADIOLUS	163+59	164+54	RIGHT	3.5'	95'
GLADIOLUS	164+70.7	165+66.2	LEFT	3.5'	95.5'
GLADIOLUS	165+87.2	166+50.4	LEFT	3.5'	63.2'
GLADIOLUS	166+62.1	167+82.4	LEFT	4.0'	120.3'
GLADIOLUS	167+89.2	169+05	LEFT	4.5'	115.8'
~~A&W BULB~~	~~21+71.7~~	~~23+26.8~~	~~RIGHT~~	~~2.4'~~	~~167.1'~~



GRAVITY WALL WITH HANDRAIL DETAIL
NTS

GRAVITY WALL NOTES

1. THE PURPOSE OF THE GRAVITY WALLS IN THIS PROJECT IS TO AVOID PERMANENT SLOPES OUTSIDE THE EXISTING RIGHT OF WAY.
2. PROPERTY OWNERS HAVE THE OPTION TO AVOID THE CONSTRUCTION OF GRAVITY WALLS IF THEY GRANT VOLUNTARY SLOPE EASEMENTS TO THE COUNTY.
3. IT IS EXPECTED THAT BEFORE CONSTRUCTION BEGINS, SOME PROPERTY OWNERS WILL GRANT SLOPE EASEMENTS TO THE COUNTY. IF SO, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE PROPERTY OWNER TO CONSTRUCT EARTHEN SLOPES IN LIEU OF GRAVITY WALLS.
4. REFER TO FDOT INDEX 520 FOR ALL GRAVITY WALL CONSTRUCTION.

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091411.dwg 11/26/2007 1:26:23 PM EST

NO.	DATE	BY	REVISIONS ~ DESCRIPTION

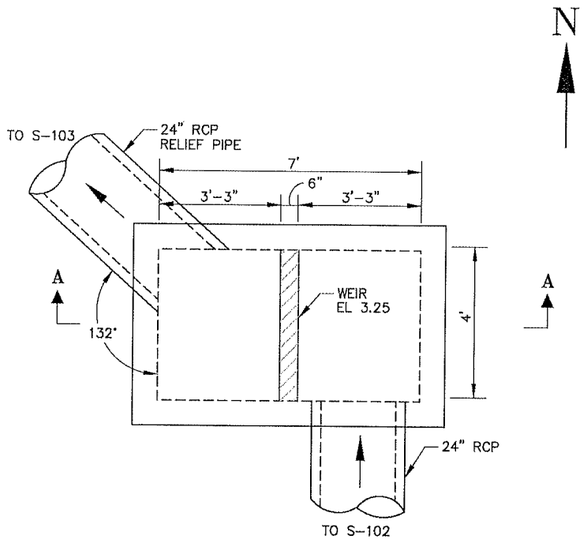
DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091411	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 50391
DATE:

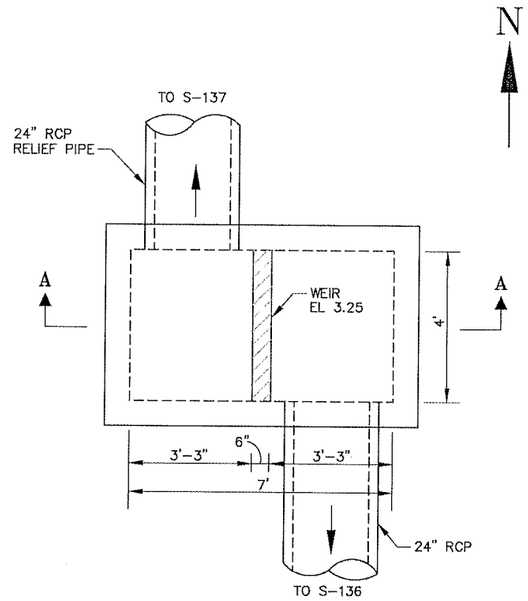
PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
GRAVITY WALL DETAILS AND NOTES

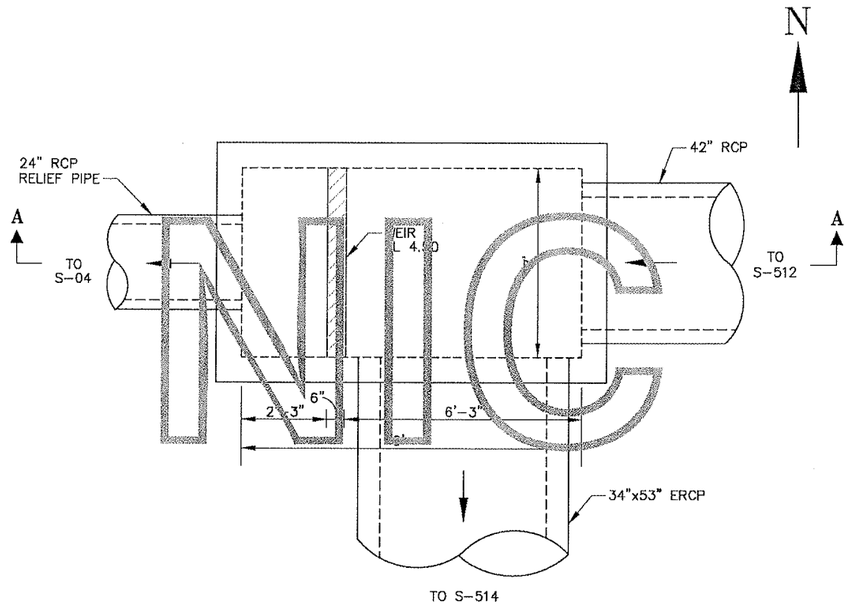
SHEET 75 of 207 SHEETS



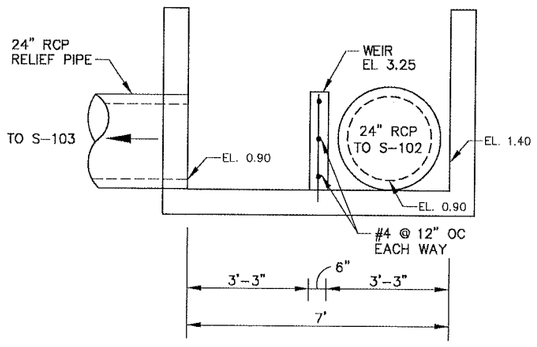
PLAN VIEW
S-102A
NTS



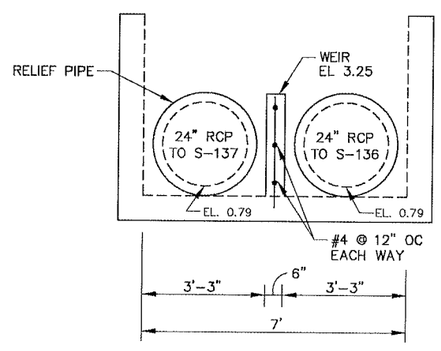
PLAN VIEW
S-136A
NTS



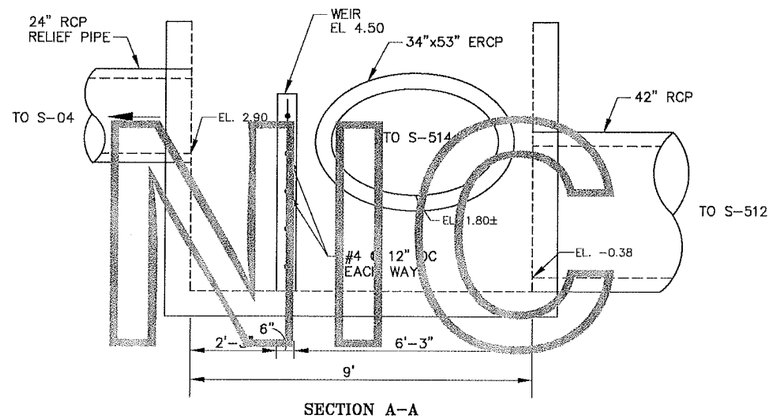
PLAN VIEW
S-513
NTS



SECTION A-A
S-102A
NTS



SECTION A-A
S-136A
NTS



SECTION A-A
S-513
NTS

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Phase 2

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091412	N/A	(11"x17")

APPROVED BY:
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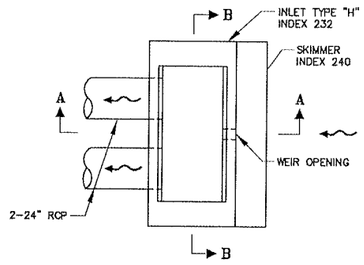
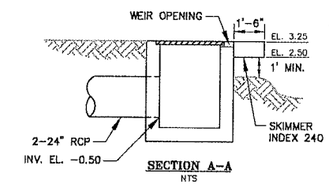
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

RELIEF STRUCTURE DETAILS

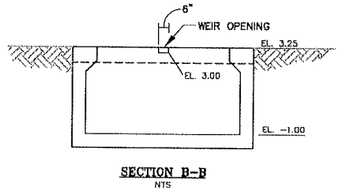
SHEET 76 of 207 SHEETS



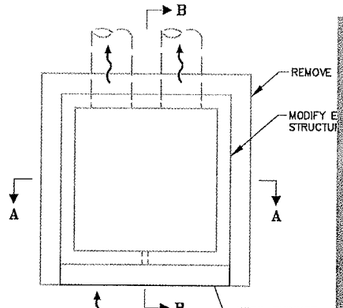
PLAN VIEW
STRUCTURE S-151
NTS



SECTION A-A
NTS



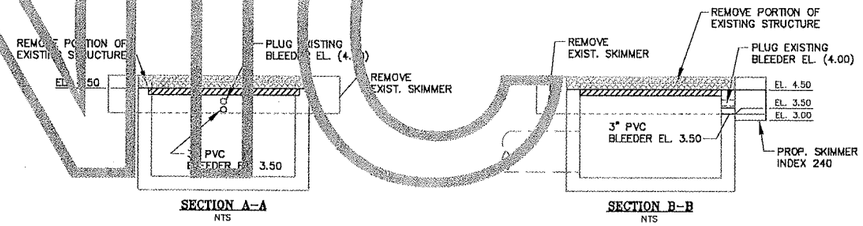
SECTION B-B
NTS



PLAN VIEW
STRUCTURE S-517
NTS

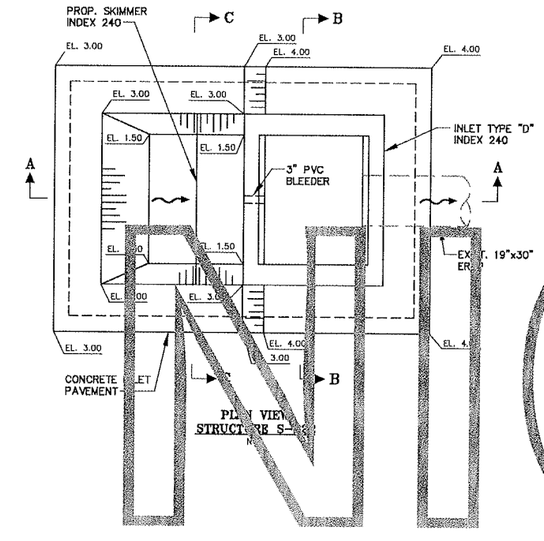
NOTES: (STRUCTURE S-517)

1. REMOVE EXISTING SKIMMER.
2. PLUG EXISTING 3.6" ORIFICE BLEEDER.
3. MODIFY STRUCTURE TO SO MATCH PROPOSED ELEVATION.
4. INSTALL NEW SKIMMER INDEX 240.
5. COST FOR ALL WORK AND MATERIALS REQUIRED TO BE PAID UNDER ITEM 425-4.

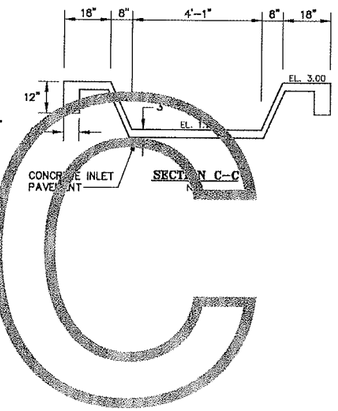


SECTION A-A
NTS

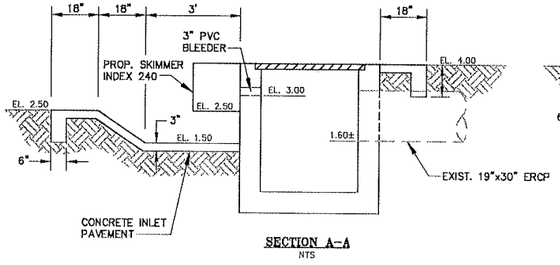
SECTION B-B
NTS



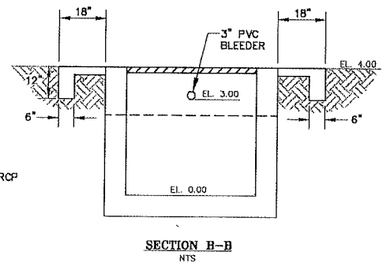
PLAN VIEW
STRUCTURE S-[illegible]
NTS



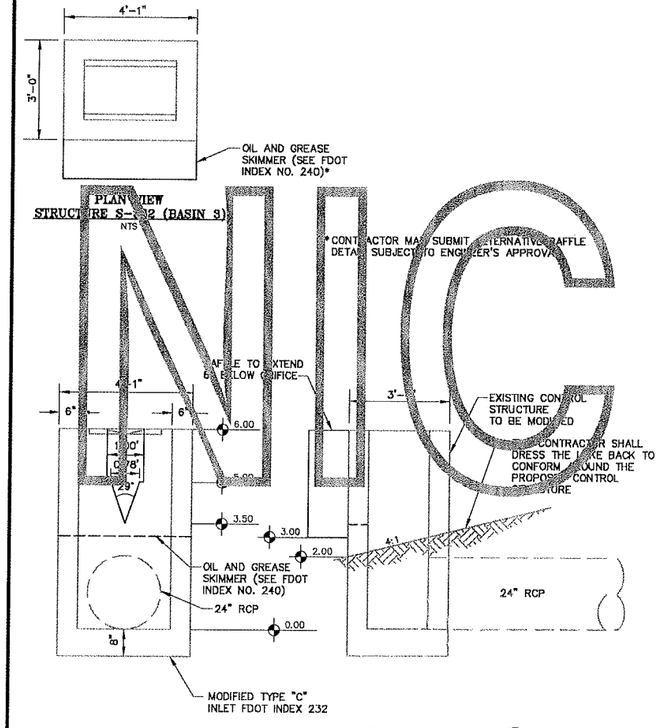
SECTION C-C
NTS



SECTION A-A
NTS



SECTION B-B
NTS

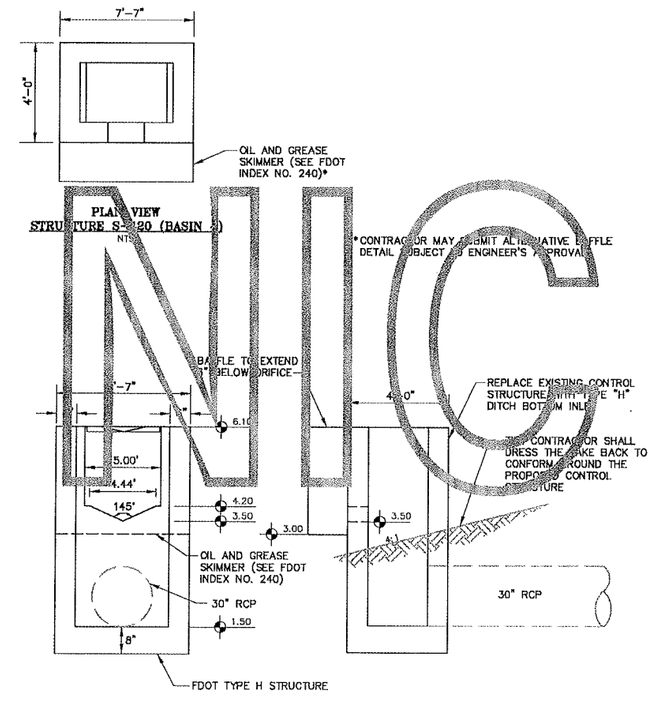


PLAN VIEW
STRUCTURE S-[illegible] (BASIN 3)
NTS

*CONTRACTOR MAY SUBMIT ALTERNATIVE BAFFLE DETAIL SUBJECT TO ENGINEER'S APPROVAL

BAFFLE TO EXTEND 6" BELOW ORIFICE

JAN 08 2008



PLAN VIEW
STRUCTURE S-[illegible] (BASIN 2)
NTS

*CONTRACTOR MAY SUBMIT ALTERNATIVE BAFFLE DETAIL SUBJECT TO ENGINEER'S APPROVAL

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091413.dwg 11/8/2007 11:55 PM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

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DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091413	N/A	(11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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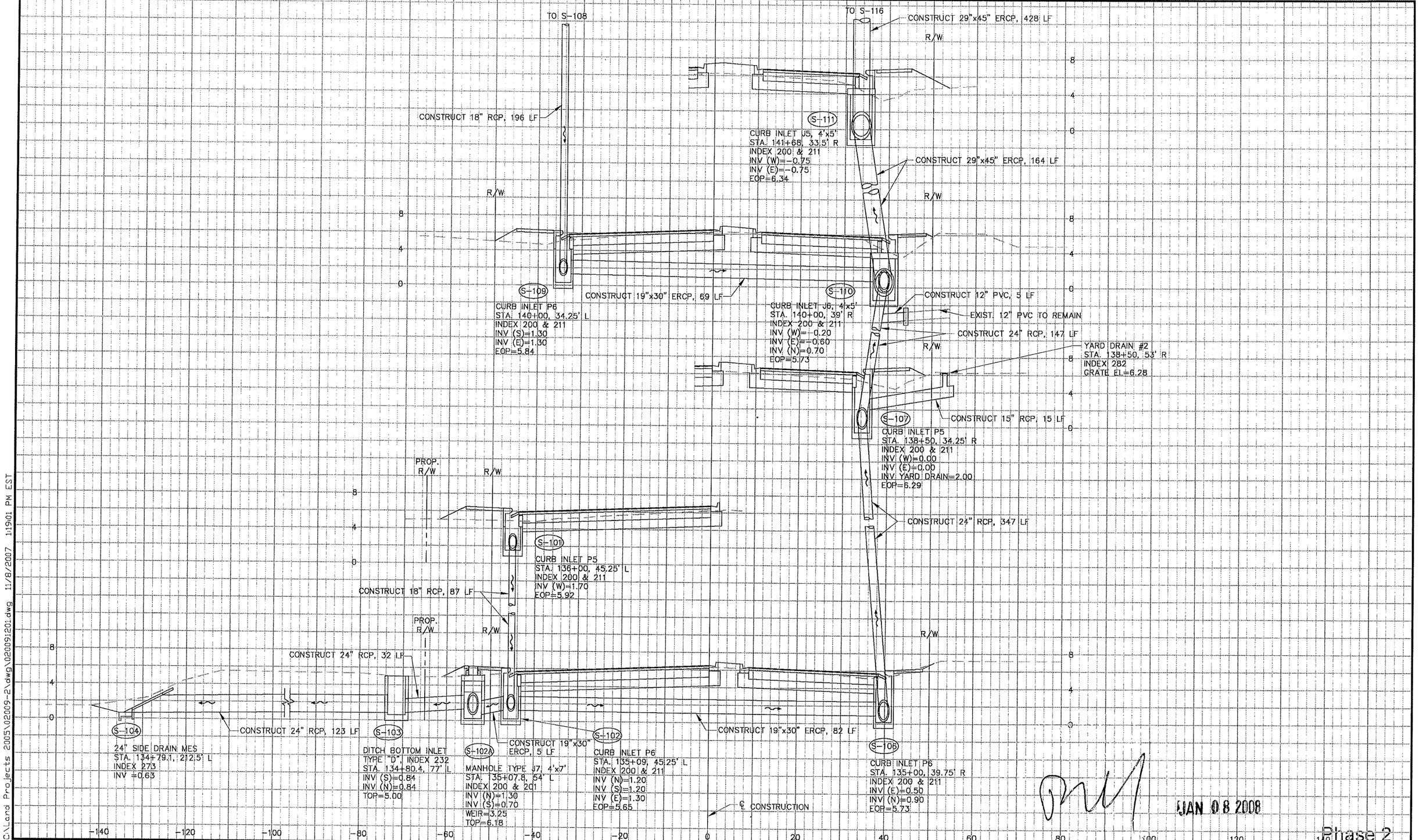
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CONTROL STRUCTURE DETAILS

SHEET 77 of 207 SHEETS



JAN 08 2008

Phase 2

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091201		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES -- GLADIOLUS DRIVE

SHEET 78 of 207 SHEETS

TO S-120

CONSTRUCT 18" RCP, 97 LF

R/W

5' VOLUNTARY SLOPE EASEMENT

YARD DRAIN #14
STA. 148+40, 56' L
INDEX 282
GRATE EL=4.77

S-118
CURB INLET P5
STA. 148+40, 34.25' L
INDEX 200 & 211
INV (E)=1.50
INV YARD DRAIN=1.80
EOP=6.78

CONSTRUCT 15" RCP, 13 LF

TO S-117

R/W

CONSTRUCT 38"x60" ERCP, 366 LF

R/W

YARD DRAIN #11
STA. 147+00, 51' L
INDEX 282
GRATE EL=4.16

S-114
CURB INLET P5
STA. 147+00, 34.25' L
INDEX 200 & 211
INV (W)=1.00
INV YARD DRAIN=1.25
EOP=6.23

CONSTRUCT 15" RCP, 13 LF

CONSTRUCT 18" RCP, 97 LF

R/W

5' VOLUNTARY SLOPE EASEMENT

R/W

S-115
CURB INLET P5
STA. 146+00, 34.25' L
INV (W)=0.00
INV (E)=-0.90
INV (S)=0.70
EOP=5.84

CONSTRUCT 19"x30" ERCP, 62 LF

S-116
CURB INLET J6, 4'x7'
STA. 146+00, 32.5' R
INV (W)=-1.10
INV (E)=-1.10
INV (N)=-1.10
EOP=5.84

CONSTRUCT 18" RCP, 147 LF

5' VOLUNTARY SLOPE EASEMENT

R/W

S-112
DITCH BOTTOM INLET TYPE "C"
STA. 144+50, 48' L
INV (S)=0.70
TOP=4.18

S-113
CURB INLET P5
STA. 144+50, 34.25' L
INV (E)=0.35
INV (N)=0.35
EOP=6.29

CONSTRUCT 29"x45" ERCP

CONSTRUCT 15" RCP, 11 LF

R/W

YARD DRAIN #5
STA. 142+00, 51' L
INDEX 282
GRATE EL=4.70

R/W

S-108
CURB INLET P5
STA. 142+00, 34.25' L
INDEX 200 & 211
INV (N)=1.80
INV (W)=1.80
EOP=6.44

CONSTRUCT 15" RCP, 13 LF

CONSTRUCT 18" RCP, 196 LF

TO S-109

℄ CONSTRUCTION

TO S-111

JAN 08 2008

Phase 2

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

8 4 0

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091202		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 79 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091203.dwg 11/8/2007 12:38 PM EST

TO S-125B

CONSTRUCT 15" RCP, 122 LF

R/W

5' VOLUNTARY SLOPE EASEMENT

YARD DRAIN #25
STA. 153+15, 56' L
INDEX 282
GRATE EL=4.40

CONSTRUCT 15" RCP, 18 LF

S-125A

CURB INLET P5
STA. 153+15, 34.25' L
INDEX 200 & 211
INV (E)=1.50
INV YARD DRAIN=1.50
EOP=6.32

TO S-128

CONSTRUCT 48" RCP, 446 LF

R/W

S-124

CURB INLET J5, 4'x7'
STA. 153+00, 32.5' R
INV (W)=-1.60
INV (E)=-1.60
EOP=6.27

CONSTRUCT 38"x60" ERCP, 136 LF

R/W

YARD DRAIN #21
STA. 151+59, 52' L
INDEX 282
GRATE EL=4.43

CONSTRUCT 19"x30" ERCP, 67 LF

CONSTRUCT 15" RCP, 8 LF

S-122

CURB INLET P6
STA. 151+60, 39.75' L
INV (W)=0.40
INV (S)=-0.80
INV YARD DRAIN=0.65
EOP=5.73

S-123

CURB INLET J6, 4'x7'
STA. 151+60, 32.5' R
INV (W)=-1.50
INV (E)=-1.50
INV. (N)=-1.00
EOP=5.84

CONSTRUCT 38"x60" ERCP, 186 LF

R/W

S-117

CURB INLET J5, 4'x7'
STA. 149+70, 32.5' R
INV (W)=-1.30
INV (E)=-1.30
EOP=6.44

CONSTRUCT 18" RCP, 217 LF

5' VOLUNTARY SLOPE EASEMENT

R/W

YARD DRAIN #16
STA. 149+40, 56' L
INDEX 282
GRATE EL=4.96

S-120

CURB INLET P5
STA. 149+40, 34.25' L
INDEX 200 & 211
INV (W)=1.10
INV (E)=1.10
INV YARD DRAIN=1.50
EOP=6.54

CONSTRUCT 38"x60" ERCP

CONSTRUCT 15" RCP, 13 LF

CONSTRUCT 18" RCP, 97 LF

TO S-118

℄ CONSTRUCTION

TO S-116

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091203		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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FLORIDA PE NO. 60391
DATE:

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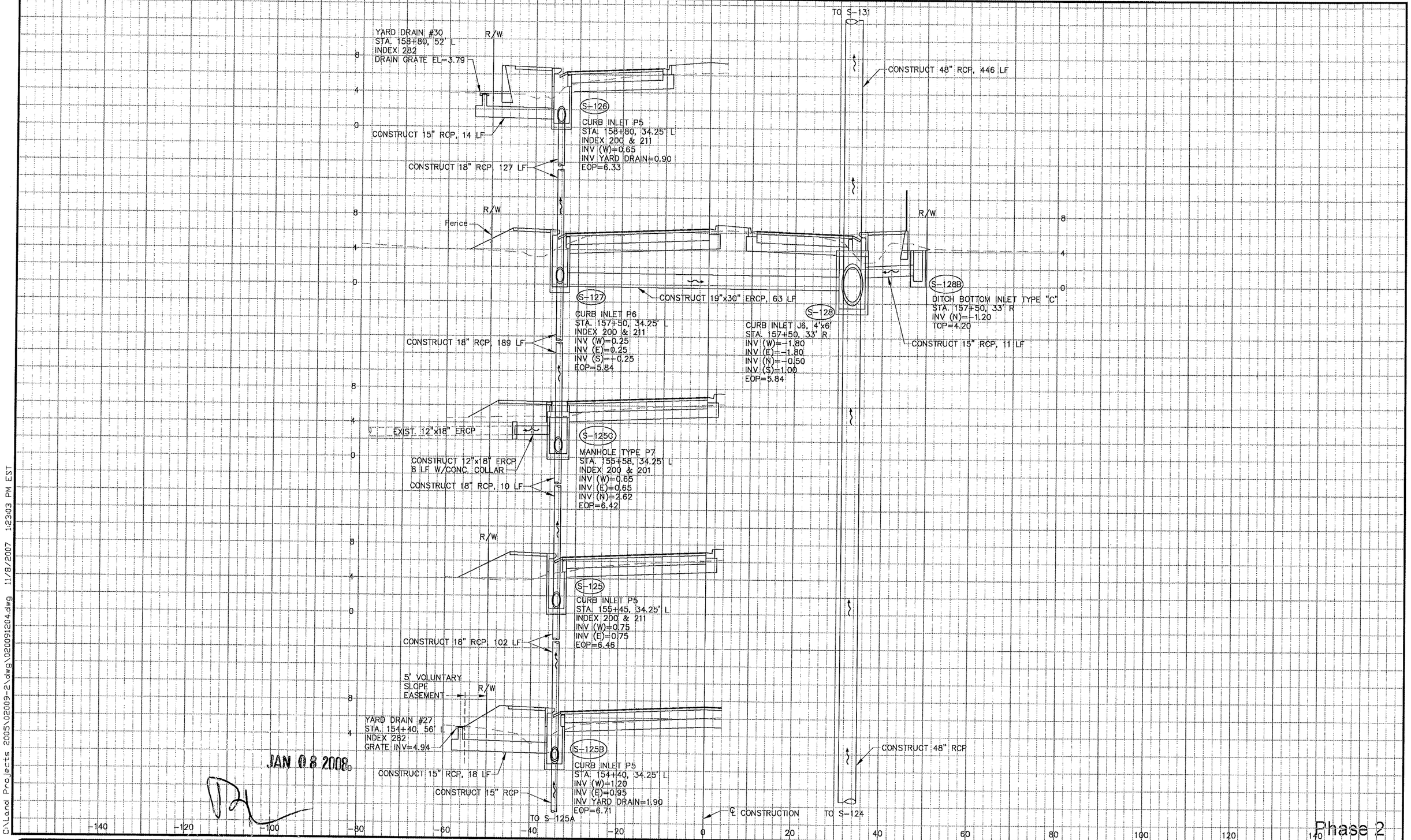
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRAINAGE STRUCTURES -- GLADIOLUS DRIVE

SHEET 80 of 207 SHEETS



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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091204		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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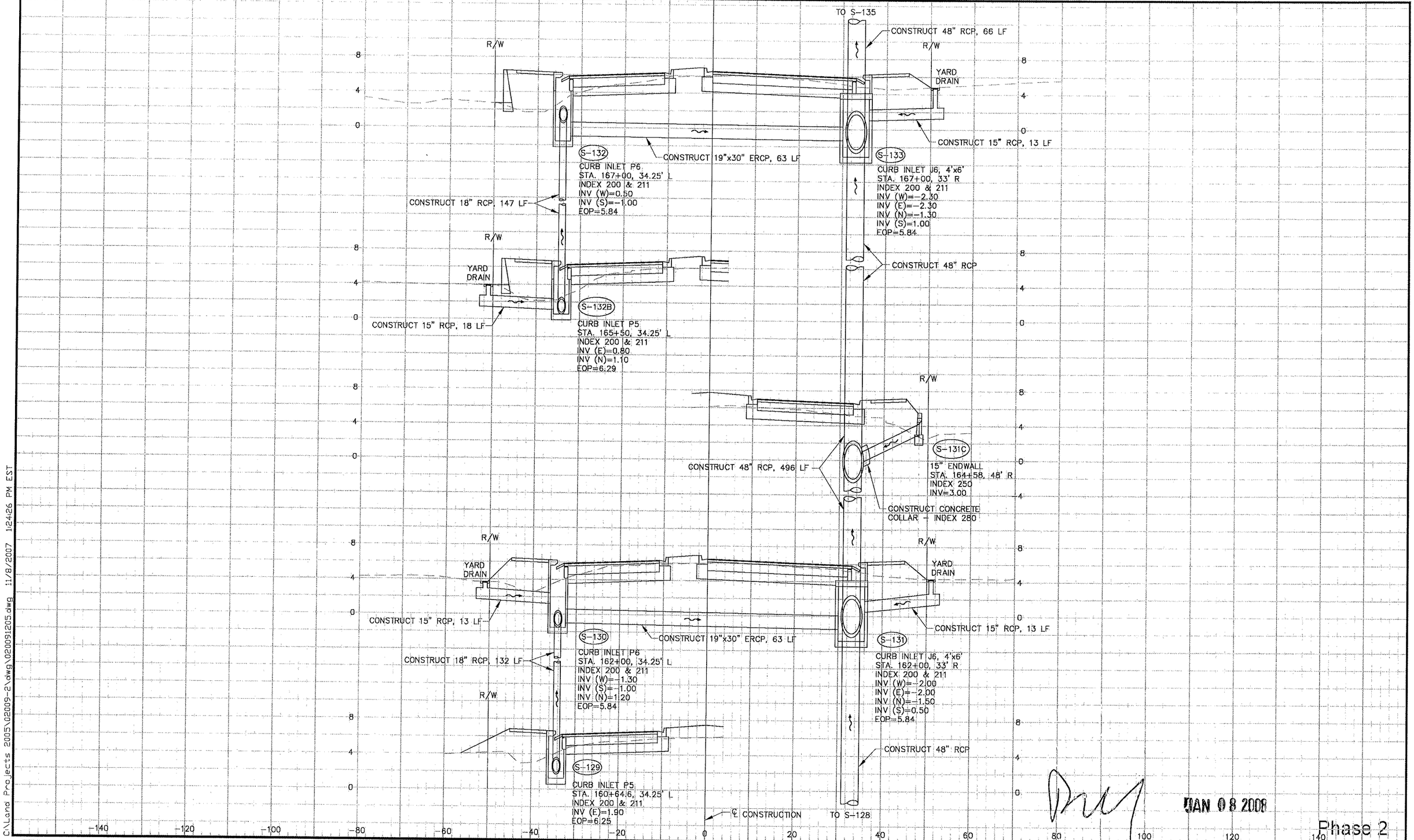
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 31 of 207 SHEETS



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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091205		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
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FLORIDA PE NO. 60391
DATE:

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FLORIDA
1500 MONROE STREET
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of
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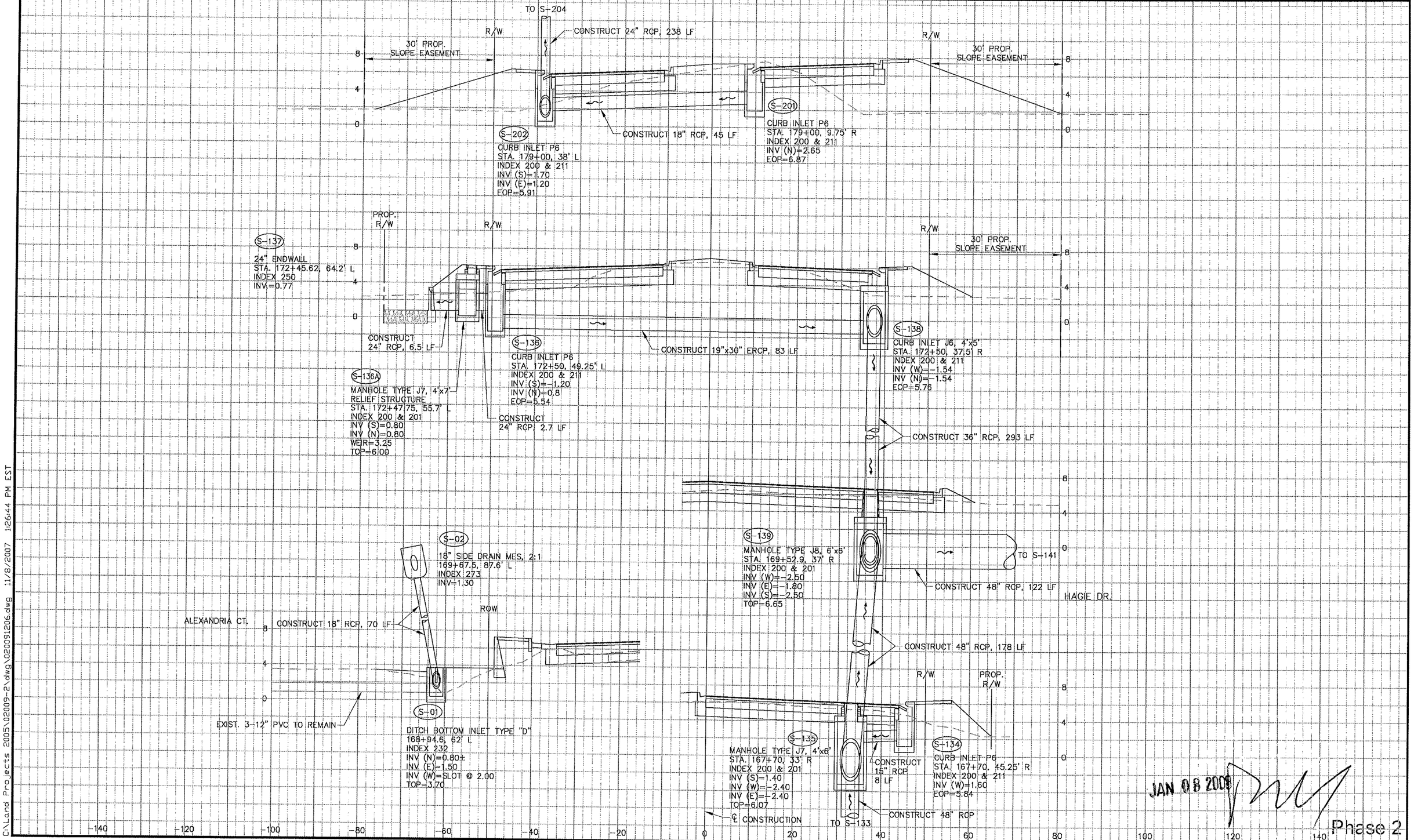
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES - GLADIOLUS DRIVE



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NO.	DATE	BY	REVISIONS – DESCRIPTION

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CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091206		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 83 of 207 SHEETS

TO S-218

CONSTRUCT 36" RCP, 258 LF

A&W BULB RD.

R/W

20' PROP. SLOPE EASEMENT

S-219

MANHOLE TYPE J, 5'x5'
STA. 1188+96.5, 46' L
INDEX 200 & 201
INV (N)=0.00
INV (E)=0.00
INV (W)=0.00
TOP=9.15

S-220

TYPE "D" DITCH BOTTOM INLET
STA. 21+61.3, 58' L
GRATE=3.70
INV (S)=-0.40
SLOT (N)=3.10

CONSTRUCT 36" RCP, 105 LF

CONSTRUCT 36" RCP, 250 LF

S-208

MA HOLE TYPE , 3.5'x4'
STA 1186+50,
NDE 200 & 20
NV (0.25
NV (S 2.50
NV (W) 25
OP=8.8

CONS CT 18"
RCP,
LF

S-20

CURB INLET P6
STA. 1186+50, 75' L
INDEX 200 &
INV (N)=2.60
INV (S)=2.60
EOP=7.92

CONSTRUCT 18" RCP, 47 LF

S-206

URB INLET P6
STA. 1186+50, 40.3' R
INDEX 200 & 211
INV (N)=2.70
EOP=6.92

30' PROP. SLOPE EASEMENT

CONS CT 30" R 251 LF

R/W

30' PROP. OPE EASEMENT

R/W

30' PROP. SLOPE EASEMENT

S-205

MANHOLE TYP P8
STA. 184+00 2"
01

INV (E)=0.50
INV (W)=0.50
TOP=9.04

CONSTRUCT 30" RCP, 243 LF

30' PROP. SLOPE EASEMENT

R/W

R/W

30' PROP. SLOPE EASEMENT

S-204

CONSTRUCT 18" RCP, 43 LF

S-203

CURB INLET P5
STA. 181+50, 9.75' R
INDEX 200 & 211
INV (N)=3.50
EOP=7.77

CURB INLET P5
STA. 181+50, 38.25' L
INDEX 200 & 211
INV (E)=0.80
INV (S)=2.50
INV (W)=0.80
EOP=6.81

CONSTRUCT 24" RCP

TO S-202

℄ CONSTRUCTION

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

Phase 2

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PROJ NO.: 4083	FILE: 020091207		1"=10' (11"x17")

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FLORIDA PE NO. 60391
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 84 of 207 SHEETS

R/W

S-210
CURB INLET P5
STA. 1199+50, 49.25' L
INDEX 200 & 211
INV (S)=3.10
INV (W)=3.10
EOP=7.49

CONSTRUCT 18" RCP, 95 LF

CONSTRUCT 18" RCP, 247 LF

R/W
20' PROP.
SLOPE EASEMENT

S-209
CURB INLET P5
STA. 1199+50, 49.25 R
INDEX 200 & 211
INV (N)=3.30
EOP=7.49

R/W

S-212
CURB INLET P6
STA. 1197+00, 49.25' L
INDEX 200 & 211
INV (E)=2.50
INV (S)=2.30
INV (W)=2.00
EOP=6.74

CONSTRUCT 18" RCP, 95 LF

CONSTRUCT 18" RCP, 247 LF

R/W
20' PROP.
SLOPE EASEMENT

S-211
CURB INLET P6
STA. 1197+00, 49.25' R
INDEX 200 & 211
INV (N)=2.50
EOP=6.74

25' PROP.
SLOPE EASEMENT
R/W

S-214
CURB INLET P5
STA. 1195+00, 49.25' L
INV (E)=1.70
INV (S)=2.75
INV (W)=1.20
EOP=8.30

CONSTRUCT 18"
RCP, 36

S-215
CURB INLET
STA. 1195+0 9.75' L
INV (N)=2.9
INV (S)=2.95
EOP=8.30

CONSTRUCT 18"
RCP, 56 LF

R/W 20' PROP.
SLOPE EASEMENT

S-213
CURB INLET P5
STA. 1195+00, 49.25 R
INDEX 200 & 211
INV (N)=3.10

CONSTRUCT 30" RCP, 356 LF

25' PROP.
SLOPE EASEMENT
R/W

S-218
MANHOLE TYPE J8, 3.5'x4'
STA. 1191+50, 53' L
INDEX 200 & 201
INV (E)=0.75
INV (S)=2.25
INV (W)=0.25
TOP=9.09

CONSTRUCT 18" RCP, 40 LF

S-217
CURB INLET P6
STA. 1191+50, 9.75' L
INDEX 200 & 211
INV (N)=2.40
INV (S)=2.40
EOP=7.92

CONSTRUCT 18" RCP, 53 LF

R/W 20' PROP.
SLOPE EASEMENT

S-216
CURB INLET P6
STA. 1191+50, 46.4' R
INDEX 200 & 211
INV (N)=2.60
EOP=6.80

CONSTRUCT 36" RCP

TO S-219

℄ CONSTRUCTION

Phase 2

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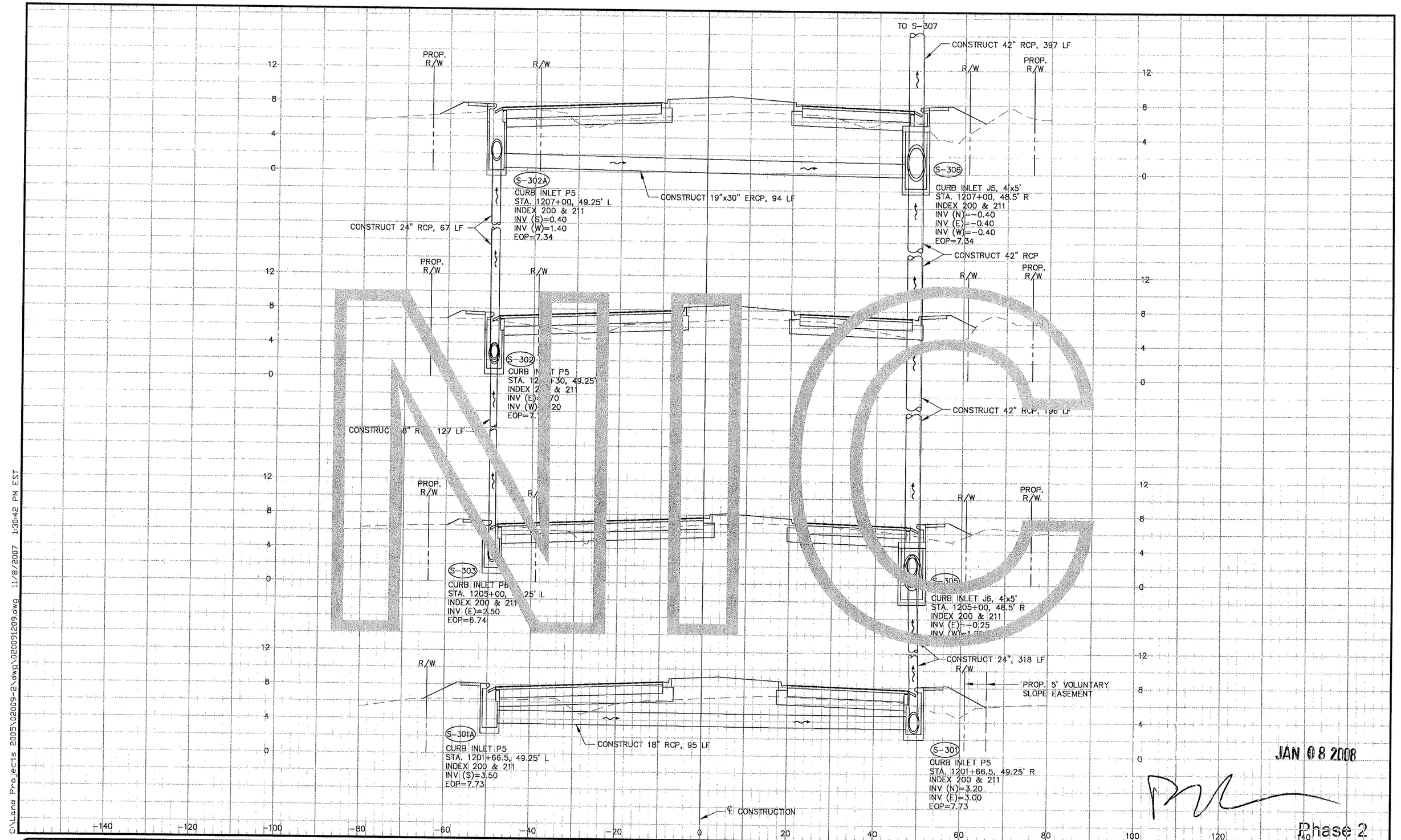
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE



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PROJ NO.: 4083	FILE: 020091209	1"=10' (11"x17")	

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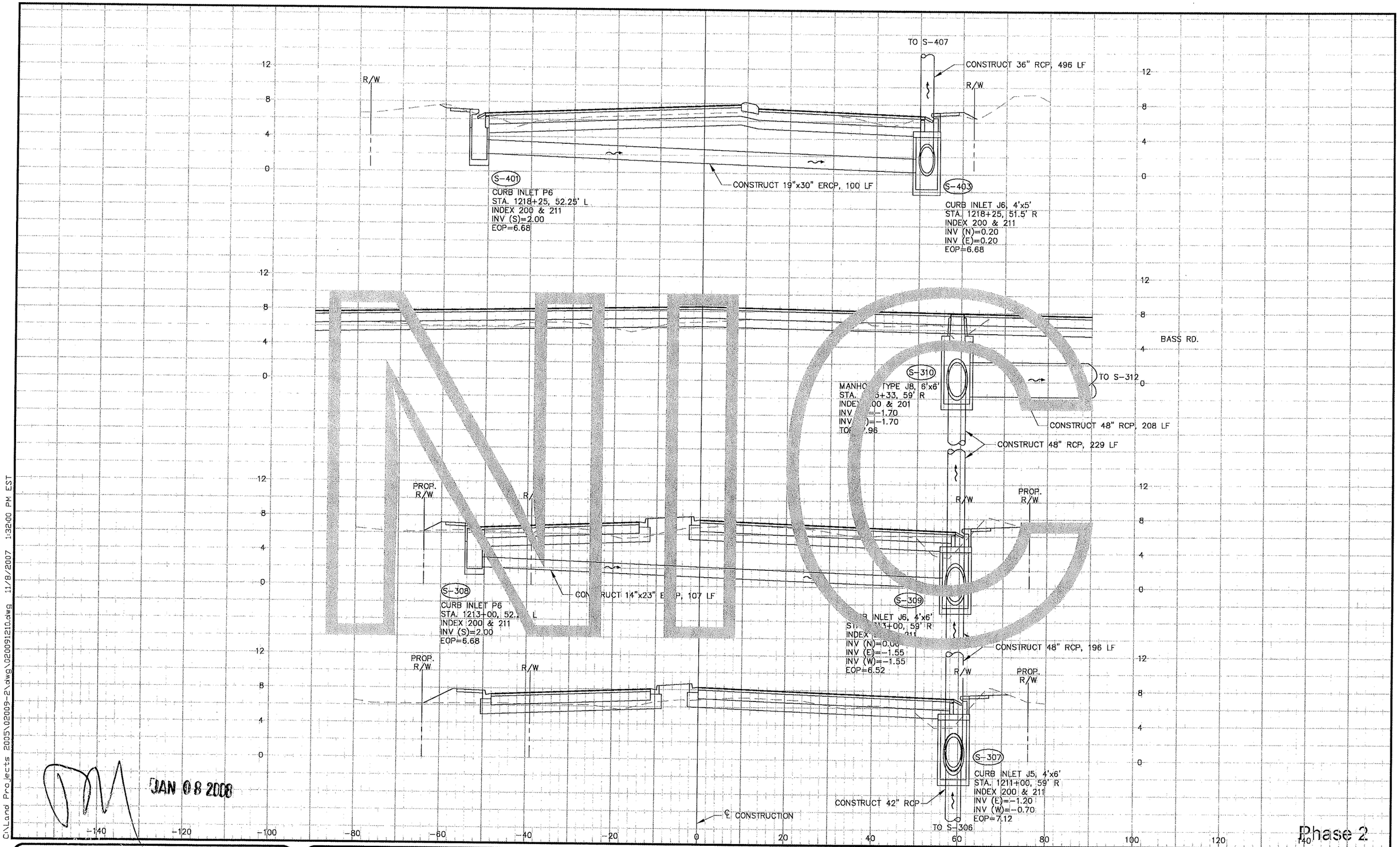
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE



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PROJ NO.: 4083	FILE: 020091210	1"=10' (11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

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TO S-412

CONSTRUCT 48", 96 LF

R/W

S-410

CURB INLET J5, 4'x6'
STA. 1233+00, 51' R
INDEX 200 & 211
INV (E)=-1.64
INV (W)=-1.64
EOP=6.66

CONSTRUCT 48", 471 LF

R/W

S-408

CURB INLET P6
STA. 1228+25, 52.25' L
INDEX 200 & 211
INV (S)=2.00
EOP=6

CONSTRUCT [illegible]"x23" ERCP, [illegible] LF

S-409

CURB INLET J6, 4'x6'
STA. 12[illegible]+25, 51' R
INDEX [illegible] & 211
INV (N[illegible]-0.50
INV (E[illegible]-1.36
INV (W[illegible]-1.36
EOP=6

CONSTRUCT 48", 496 LF

R/W

S-4[illegible]

CURB [illegible]ET P6
STA. 12[illegible]+25, 52.25' L
INDEX 20[illegible] & 211
INV (S)=1[illegible]
INV (W)=1.75
EOP=6.43

CONSTRUCT [illegible]"X30" ERCP[illegible]9 LF

RCP, 135 LF

S-407

CURB [illegible]ET J6, 4'x6'
STA. 12[illegible]5' 51' R
INDEX 200 [illegible]
INV (N)=-0.25
INV (E)=-1.10
INV (W)=-0.25
EOP=6.43

CONSTRUCT 36" RCP

R/W

S-404

CURB INLET P5
STA. 1221+87, 52.25' L
INDEX 200 & 211
INV (E)=2.30
EOP=6.98

JAN 08 2008

℄ CONSTRUCTION

TO S-403

Phase 2

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PROJ NO.: 4083	FILE: 020091211		1"=10' (11"x17")

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FLORIDA PE NO. 60391
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 88 of 207 SHEETS

TO S-513

CONSTRUCT 24" RCP, 47 LF

R/W

S-03
24" ENDWALL
1242+17, 66' L
INDEX 250
INV=2.90

CONSTRUCT 24"
RCP, 8 LF

S-04
MANHOLE TYPE P7,
STA. 1242+17, 56' L
INDEX 200 & 201
INV (N)=2.80
INV (E)=2.80
INV (S)=2.80
TOP=7.51

CONSTRUCT 24"
RCP, 32 LF

CONSTRUCT
CONC. COLLAR
INDEX 280

EXIST. 24" RCP

R/W

CONSTRUCT
CONC. COLLAR
INDEX 280

CONSTRUCT 24"
RCP, 16 LF

S-05
24" ENDWALL
STA. 1242+16.6, 70' R
INDEX 250
INV=2.30

IDD CANAL B-1

R/W

S-413
CURB INLET P6
STA. 1240+00, 52.25' L
INDEX 200 & 211
INV (S)=1.50
EOP=6

CONSTRUCT 19"x30" ERCP, 110 LF

R/W

S-414
CURB INLET J5, 4'x5'
STA. 1240+00, 5' R
INDEX 200 & 211
INV (N)=-0.25
INV (W)=-0.25
EOP=6.36

CONSTRUCT 36" RCP, 471 LF

R/W

REMOVE PLUG
CONSTRUCT 4" RCP
4 LF & ATTA
W/CONC. COLLAR
INDEX 280
INV (S)= 28

EXIST. DITCH
BOTTOM INLET
STA. 1235+25.5, 83' R
INV (N)=-4.30
TOP=5.77

S-415
CURB INLET J5, 6'x6'
STA. 1235+25.5, 51' R
INDEX 200 & 211
INV (E) 0.75
INV (S)= 28
INV (W)=
EOP=6.74

S-416

EXIST RCP

CONSTRUCT 48" RCP, 122 LF

R/W

R/W

S-411
CURB INLET P6
STA. 1234+00, 63.25' L
INDEX 200 & 211
INV (S)=1.40
EOP=6.14

CONSTRUCT 19"x30" ERCP, 110 LF

S-412 CURB INLET J6, 4'x6'
STA. 1234+00, 51' R
INDEX 200 & 211
INV (N)=-0.50
INV (E)=-1.70
INV (W)=-1.70
EOP=6.36

CONSTRUCT 48" RCP

TO S-410

℄ CONSTRUCTION

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

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PROJ NO.: 4083	FILE: 020091212	1"=10' (11"x17")	

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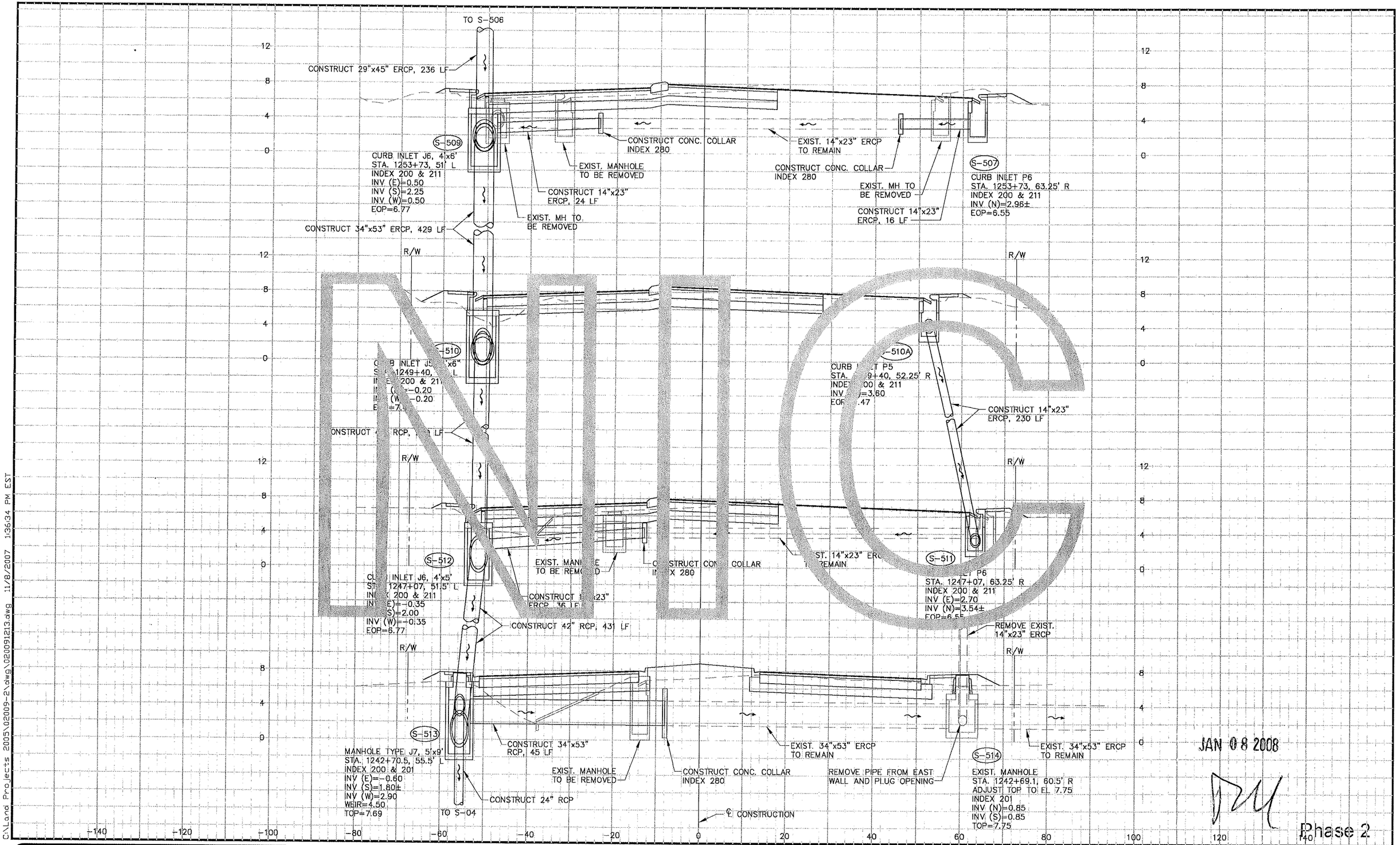
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 89 of 207 SHEETS



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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

SHEET 90 of 207 SHEETS

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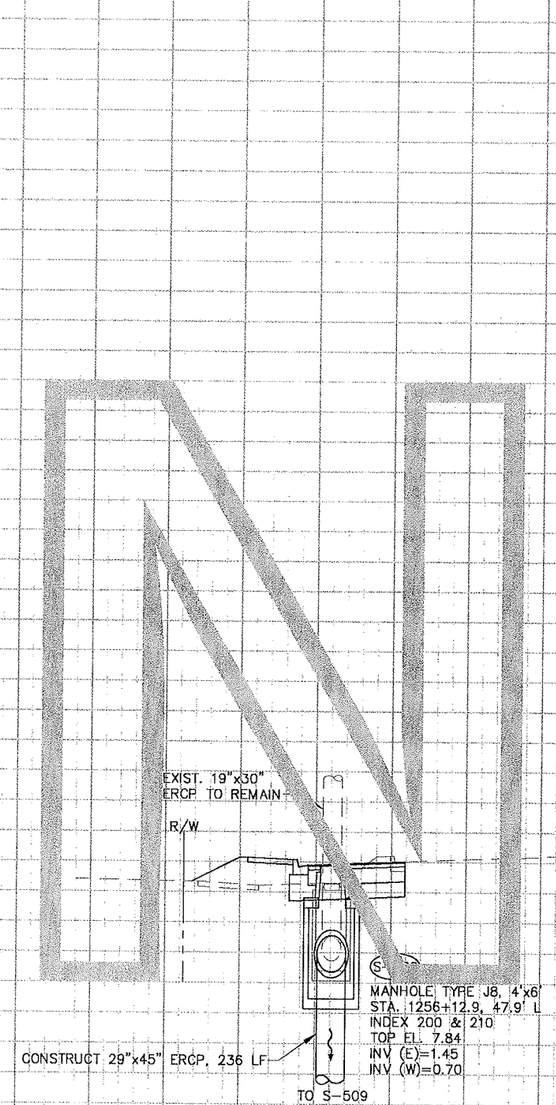

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – GLADIOLUS DRIVE

TO S-327

CONSTRUCT 36" RCP, 396 LF

PROP. 5' SLOPE EASEMENT (TYP)

PROP. R/W

R/W

S-325
CURB INLET J5, 4'x5'
STA. 56+40, 45.5' L
INDEX 200 & 211
INV (S)=0.00
INV (N)=0.00
EOP=7.27

CONSTRUCT 36" RCP, 186 LF

S-324
C INLET J6, 4'x5'
ST 4+50, 45.5' L
IND 00 & 211
INV 0.02
INV (E) 70
INV (N) 2
EOP=6.7

NSTRUCT 18" RCP, LF

S-323
RB INLET P6
A 54+50, 46.2
DEX 200 & 211
V (E)=2.75
V (W)=2.50
P=6.70

CONS CT 15" RCP, 19

S-323B
DITCH BOTTOM INLET TYPE C
STA. 54+50, 58' R
INDEX 232
INV (W)=2.85
TOP=6.10

CONSTRU 30" RCP, 196 F

-322
CURB INLET P
STA. 52+50, 4 L
INDEX 200 & 21
INV (S)=0.90
INV (N)=0.90
EOP=7.30

CONSTRUCT 30" RCP, 396.5 LF

S-321
CURB INLET P6
STA. 48+50, 45.5' L
INDEX 200 & 211
INV (N)=1.30
INV (E)=2.30
EOP=6.70

CONSTRUCT 18" RCP, 88 LF

S-320
CURB INLET P6
STA. 48+50, 46.25' R
INDEX 200 & 211
INV (W)=2.50
EOP=6.70

℄ CONSTRUCTION

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

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PROJ NO.: 4083	FILE: 020091215		1"=10' (11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – BASS ROAD

SHEET 92 of 207 SHEETS

TO S-310

CONSTRUCT 48" RCP, 208 LF

PROP. R/W

R/W

S-312
CURB INLET J6, 4'x6'
STA. 70+50, 45' L
INDEX 200 & 211
INV (E)=1.70
INV (N)=-1.80
INV (S)=-1.80
EOP=6.70

CONSTRUCT 18" RCP, 87 LF

S-311
CURB INLET P6
STA. 70+ 46.25' R
INDEX 200 & 211
INV (W)=2.50
EOP=6.70

ISTRUCT 48" RCP, 396 LF

R/W

S-313
CURB ET J5, 4'x6'
STA. 6 0, 45' L
INDEX 2 & 211
INV (S)= 0
INV (N)=-
EOP=7.19

CONSTRUCT 48" , 163 LF

R/W

CONSTRUCT 18" P, 105 LF

S-3
EXIST. CH BOTTOM
INLET,
STA. 64
INDEX 210
INV (N)=-2.20
INV (E)=1.50
INV (W)=-4.01
EOP=6.46

EXIST. 48" RCP

S-
CURB T P6
STA. 64 46.25' R
INDEX 200 11
INV (E)=2.75
INV (W)=2.50
EOP=6.70

S-314B
STA. TYPE C
INDEX 232
INV (W)=2.95
TOP=5.56

CONSTRUCT 15" RCP, 9 LF

R/W

S-326
CURB INLET P6
STA. 60+40, 46.25' R
INDEX 200 & 211
INV (W)=2.00
EOP=6.70

CONSTRUCT 18" RCP, 93 LF

S-327
EXIST. DITCH BOTTOM
INLET, 6'x9'
STA. 60+40, 53' L
INDEX 210
INV (S)=-0.35
INV (E)=1.15
INV (W)=-4.75
EOP=6.70

EXIST. 48" RCP

CONSTRUCT 36" RCP

TO S-325

℄ CONSTRUCTION

JAN 08 2008

Phase 2

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

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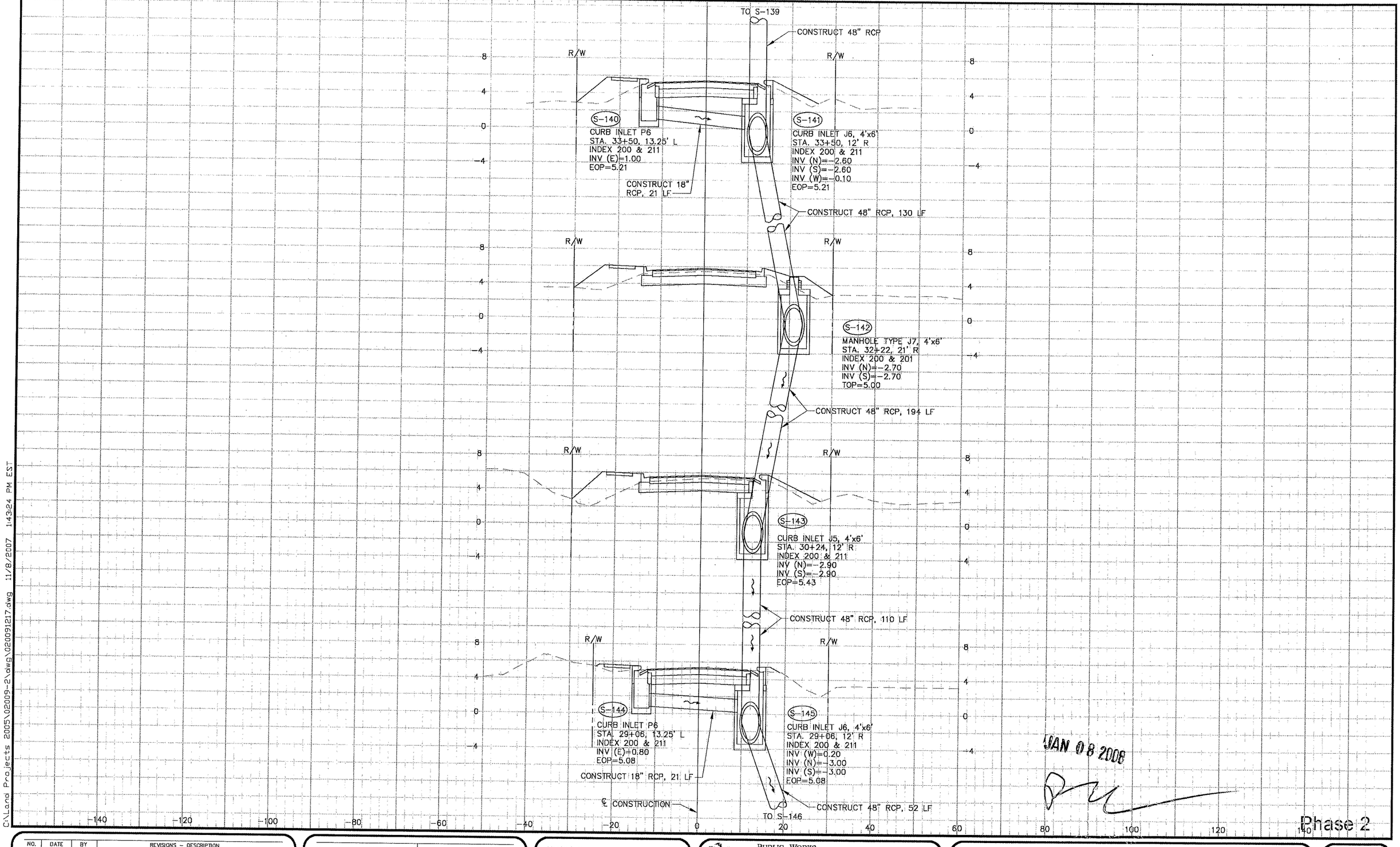
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – BASS ROAD

SHEET 93 of 207 SHEETS



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Phase 2

C:\Land Projects 2005\02009-2\dwg\020091217.dwg 11/8/2007 1:43:24 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091217		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901
www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – HAGIE DRIVE

SHEET 94 of 207 SHEETS

TO S-145

CONSTRUCT 48" RCP

S-146
MANHOLE TYPE J, 4'x6'
STA. 258+52, 24' R
INDEX 200 & 201
INV (N)=-3.20
INV (S)=-6.90
TOP=5.00

CONSTRUCT 48" RCP

R/W

S-150
DITCH BOTTOM
INLET TYPE D
STA. 26+28, 22.3' L
INDEX 232
INV (S)=2.22±
INV (E)=2.22
TOP=4.70

CONSTRUCT 19"x30" ERCP, 8 LF

CONSTRUCT CONCRETE COLLAR

FOREST KNOLL CT.

EXIST. 19"x30" ERCP TO REMAIN

CONSTRUCT 24" RCP, 50 LF

CONCRETE COLLAR 24" RCP, INV -6.05 INDEX 280

CONSTRUCT 48" RCP

R/W

R/W

S-147
MANHOLE TYPE J8, 6'x6'
STA. 25+39, 30' R
INDEX 200 & 201
INV (N)=-7.10
INV (E)=-7.10
TOP=3.92

CONSTRUCT 48" RCP

CONSTRUCT 48" RCP

S-148
MANHOLE TYPE J8, 6'x6'
STA. 25+39, 172' R
INDEX 200 & 201
INV (W)=-7.20
INV (E)=-7.20
TOP=1.56

S-149
ENDWALL 48"
STA. 25+13.1, 204.5' R
INDEX 250
FL EL=-7.50

℄ CONSTRUCTION

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009121B.dwg 11/8/2007 1:44:48 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 02009121B		1"=10' (11"x17")

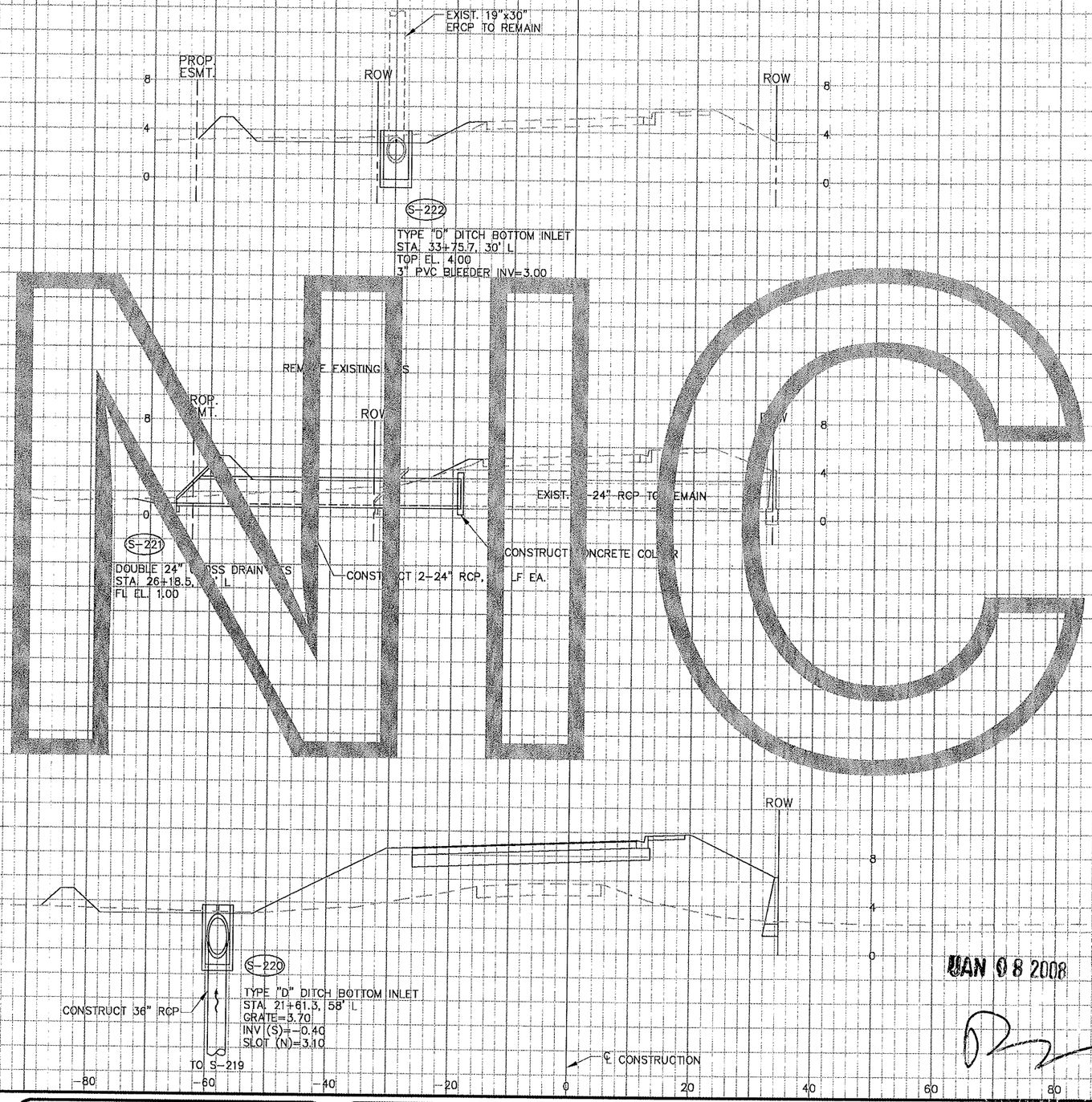
APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
DRAINAGE STRUCTURES – HAGIE DRIVE

SHEET 95 of 207 SHEETS



JAN 0 8 2008

Phase 2

C:\Land Projects 2005\02009-2.dwg\020091219.dwg 11/8/2007 1:46:06 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091219		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901
www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

DRAINAGE STRUCTURES – A&W BULB ROAD

SHEET 96 of 207 SHEETS

PROJECT NO.: 50055-046-01
REPORT NO.: 105008
SUBMITTED BY: LINDSEY WEAVER, P.E.
UNIVERSAL ENGINEERING SCIENCES

LEE COUNTY, FLORIDA
DEPARTMENT OF TRANSPORTATION
CROSS SECTION OF SOIL SURVEY
REPORT OF SOIL BORINGS
PROPOSED GLADIOLUS DRIVE WIDENING

TOWNSHIP: –
RANGE: –
SECTION: –
COUNTY: LEE

DATES OF SURVEY: 3/25/05 – 10/28/05

SURVEYED BY: UNIVERSAL ENGINEERING SCIENCES

PROJECT BEGINS APPROXIMATE STA. NO.: 21+00
PROJECT ENDS APPROXIMATE STA. NO.: 1244+50
DATE REPORTED: 7/17/06

STRATUM NO.	MAX. LBR VALUE	% ORGANIC	MOISTURE CONTENT %	SIEVE ANALYSIS RESULTS (% PASSING) #10 MESH	#40 MESH	#60 MESH	#100 MESH	#200 MESH	AASHTO GROUP	DESCRIPTION
1	–	–	13–20	100	90–100	66–91	23–36	2–3	A–3	Fine SAND with varying amounts of silt.
2	–	–	9–26	61–100	61–98	48–91	22–44	5–10	A–3	Fine SAND with silt, rock & shell fragments.
3	–	–	12–27	97–100	91–94	72–77	32–46	15–24	A–2–4	Silty fine SAND with rock & shell fragments.
4	–	–	11–15	73–99	67–92	60–73	31–43	20–21	A–2–6	Clayey fine SAND with rock & shell fragments.
5	–	–	–	–	–	–	–	–	–	Rock
6	–	–	–	–	–	–	–	–	A–8	Fine SAND with fibrous peat & organics.

NOTES

1) STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

2) WATER TABLE ENCOUNTERED IN ALL STRATA.

3) THE MATERIAL FROM STRATA NUMBERS 1 AND 2 APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 505. SOME OVERSIZED ROCK PARTICLES MAY BE PRESENT IN THE MATERIAL EXCAVATED FROM THESE STRATA, AND WILL HAVE TO BE REMOVED DURING PLACEMENT.

4) THE MATERIAL FROM STRATUM NUMBER 3 APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 505. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.

5) THE MATERIAL FROM STRATUM NUMBER 4 IS CLAYEY, A–2–6 MATERIAL, AND SHALL BE USED IN ACCORDANCE WITH INDEX 505.

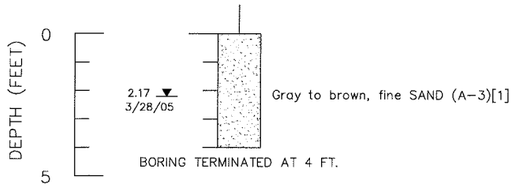
6) THE MATERIAL FROM STRATUM NUMBER 6 IS A–8 MATERIAL, AND SHALL BE REOVED THROUGH THE LIMITS OF THE ROADWAY, SHOULDER AND SIDEWALK CONSTRUCTION.

LINDSEY WEAVER, P.E.
41790
1/10/08

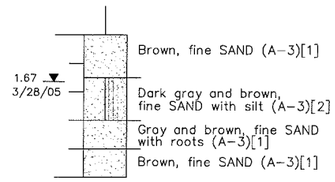
UNIVERSAL ENGINEERING SCIENCES, INC.

PROPOSED GLADIOLUS DRIVE WIDENING
REPORT OF SOIL BORINGS

AB-1
LOCATION: STA. 135+00
35 FT. SOUTH FROM CENTERLINE

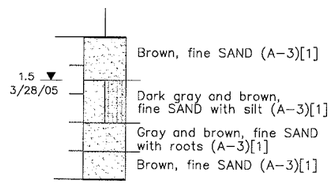


AB-2
LOCATION: STA. 136+00
45 FT. NORTH FROM CENTERLINE



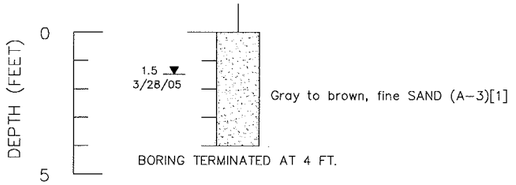
BORING TERMINATED AT 5 FT.

AB-3
LOCATION: STA. 137+00
42 FT. SOUTH FROM CENTERLINE

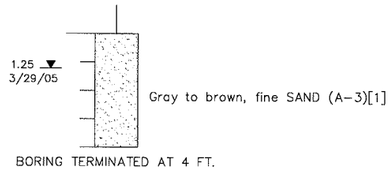


BORING TERMINATED AT 5 FT.

AB-4
LOCATION: STA. 138 +00
35 FT. NORTH FROM CENTERLINE

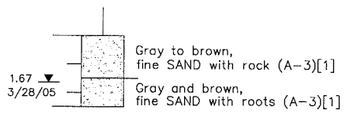


AB-5
LOCATION: STA. 139+00
48 FT. SOUTH FROM CENTERLINE



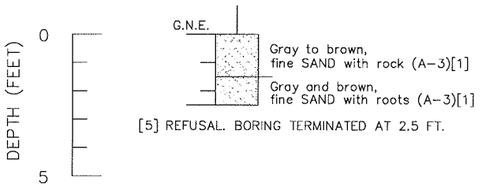
BORING TERMINATED AT 4 FT.

AB-6
LOCATION: STA. 140+00
36 FT. NORTH FROM CENTERLINE



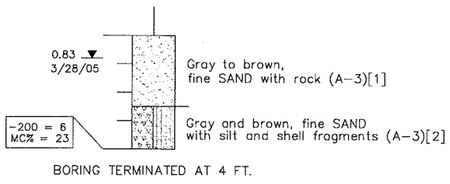
[5] REFUSAL. BORING TERMINATED AT 2.5 FT.

AB-7
LOCATION: STA. 141+17
25 FT. SOUTH FROM CENTERLINE



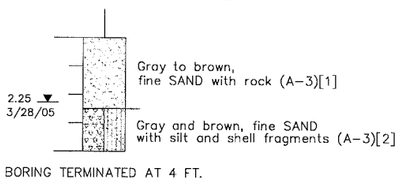
[5] REFUSAL. BORING TERMINATED AT 2.5 FT.

AB-8
LOCATION: STA. 142+00
20 FT. NORTH FROM CENTERLINE



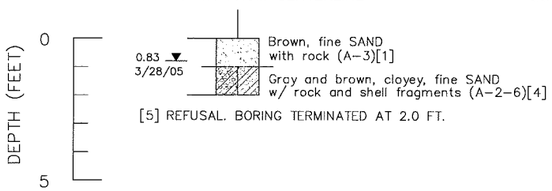
BORING TERMINATED AT 4 FT.

AB-9
LOCATION: STA. 143+00
25 FT. SOUTH FROM CENTERLINE



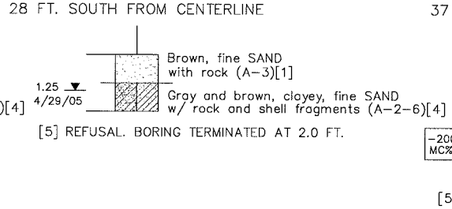
BORING TERMINATED AT 4 FT.

AB-10
LOCATION: STA. 144+00
17 FT. NORTH FROM CENTERLINE



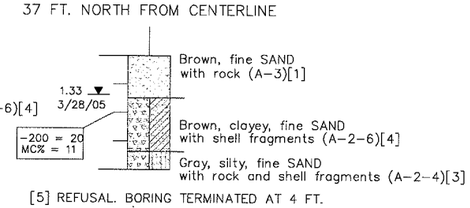
[5] REFUSAL. BORING TERMINATED AT 2.0 FT.

AB-11
LOCATION: STA. 145+00
28 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 2.0 FT.

AB-12
LOCATION: STA. 146+00
37 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A-3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

-200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS - DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

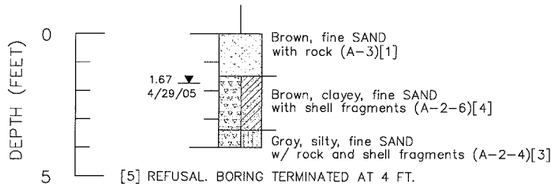
APPROVED BY: LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 1/10/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

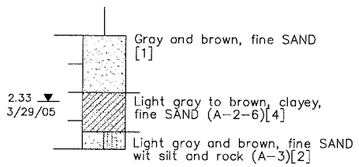
REPORT OF SOIL BORINGS

AB–13
LOCATION: STA. 147+00
25 FT. SOUTH FROM CENTERLINE



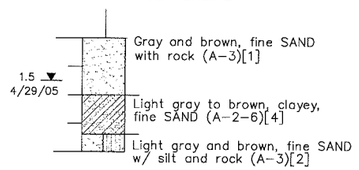
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–14
LOCATION: STA. 148+20
15 FT. NORTH FROM CENTERLINE



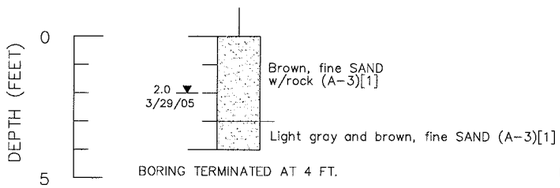
BORING TERMINATED AT 4 FT.

AB–15
LOCATION: STA. 149+00
15 FT. SOUTH FROM CENTERLINE



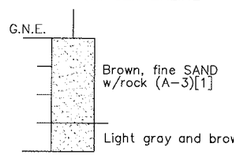
BORING TERMINATED AT 4 FT.

AB–16
LOCATION: STA. 149+90
15 FT. NORTH FROM CENTERLINE



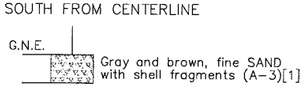
BORING TERMINATED AT 4 FT.

AB–17
LOCATION: STA. 151+00
33 FT. SOUTH FROM CENTERLINE



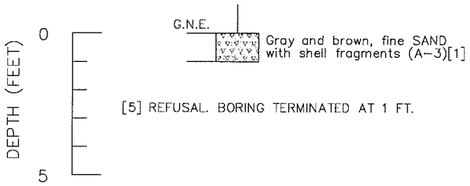
BORING TERMINATED AT 4 FT.

AB–18
LOCATION: STA. 152+00
35 FT. SOUTH FROM CENTERLINE



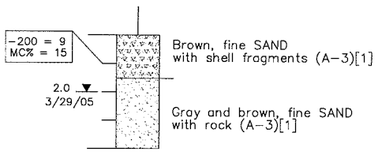
[5] REFUSAL. BORING TERMINATED AT 1 FT.

AB–19
LOCATION: STA. 153+00
42 FT. SOUTH FROM CENTERLINE



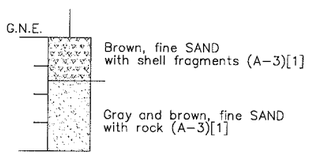
[5] REFUSAL. BORING TERMINATED AT 1 FT.

AB–20
LOCATION: STA. 154+00
35 FT. NORTH FROM CENTERLINE



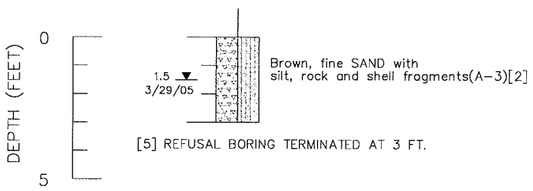
[5] REFUSAL BORING TERMINATED AT 4 FT.

AB–21
LOCATION: STA. 155+00
25 FT. SOUTH FROM CENTERLINE



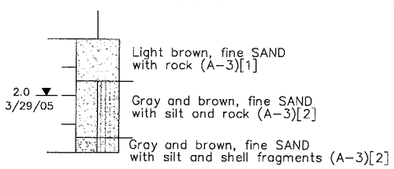
[5] REFUSAL BORING TERMINATED AT 4 FT.

AB–22
LOCATION: STA. 156+00
30 FT. NORTH FROM CENTERLINE



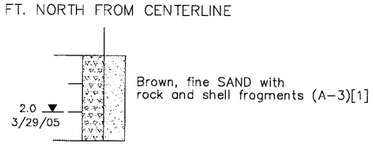
[5] REFUSAL BORING TERMINATED AT 3 FT.

AB–23
LOCATION: STA. 157+28
30 FT. SOUTH FROM CENTERLINE



[5] REFUSAL BORING TERMINATED AT 4 FT.

AB–24
LOCATION: STA. 158+00
33 FT. NORTH FROM CENTERLINE



[5] REFUSAL BORING TERMINATED AT 3 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/08/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01 |

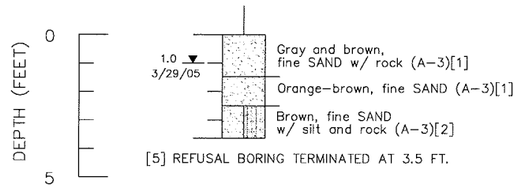
APPROVED BY: LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41780
DATE: 11/07/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

PROPOSED GLADIOLUS DRIVE WIDENING

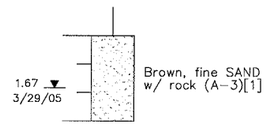
REPORT OF SOIL BORINGS

AB-25
LOCATION: STA. 159+00
30 FT. FROM CENTERLINE



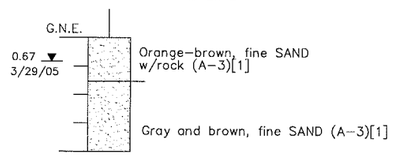
[5] REFUSAL BORING TERMINATED AT 3.5 FT.

AB-26
LOCATION: STA. 160+00
53 FT. NORTH FROM CENTERLINE



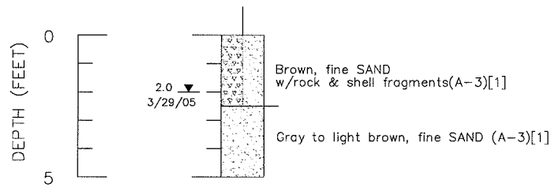
[5] REFUSAL BORING TERMINATED AT 3 FT.

AB-27
LOCATION: STA. 161+00
53 FT. SOUTH FROM CENTERLINE



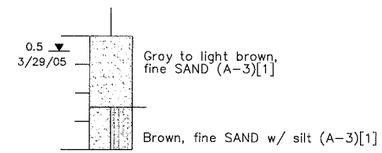
BORING TERMINATED AT 4 FT.

AB-28
LOCATION: STA. 162+00
30 FT. NORTH FROM CENTERLINE



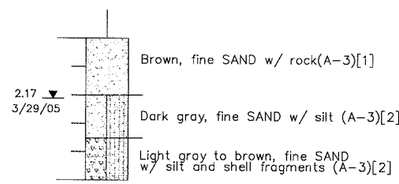
BORING TERMINATED AT 5 FT.

AB-29
SEE BORING LOCATION PLAN
35 FT. SOUTH FROM CENTERLINE



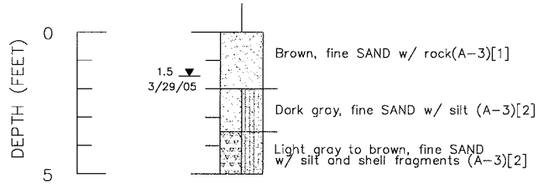
BORING TERMINATED AT 4 FT.

AB-30
LOCATION: STA. 164+00
30 FT. NORTH FROM CENTERLINE



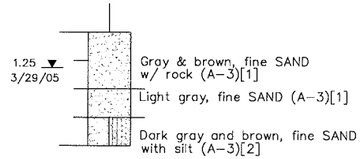
BORING TERMINATED AT 5 FT.

AB-31
LOCATION: STA. 165+00
33 FT. SOUTH FROM CENTERLINE



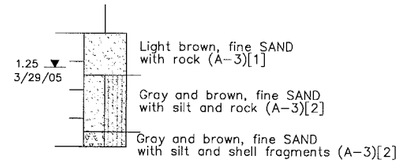
BORING TERMINATED AT 5 FT.

AB-32
LOCATION: STA. 166+00
28 FT. NORTH FROM CENTERLINE



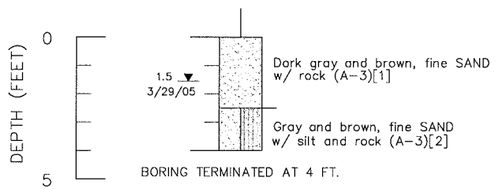
[5] REFUSAL BORING TERMINATED AT 4 FT.

AB-33
LOCATION: STA. 167+00
43 FT. SOUTH FROM CENTERLINE



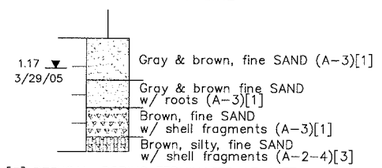
[5] REFUSAL BORING TERMINATED AT 4 FT.

AB-34
LOCATION: STA. 168+00
30 FT. NORTH FROM CENTERLINE



BORING TERMINATED AT 4 FT.

AB-35
LOCATION: STA. 169+00
48 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A-3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

-200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
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PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

APPROVED BY:
LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE:

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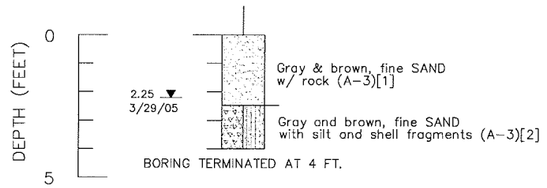
OFFICE: (239) 995-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

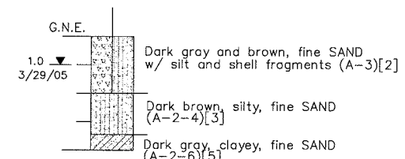
REPORT OF SOIL BORINGS

AB-36
LOCATION: STA. 170+00
30 FT. NORTH FROM CENTERLINE



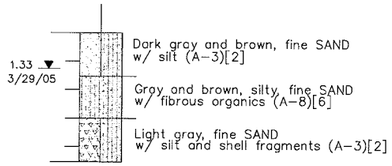
BORING TERMINATED AT 4 FT.

AB-37
LOCATION: STA. 170+95
47 FT. SOUTH FROM CENTERLINE



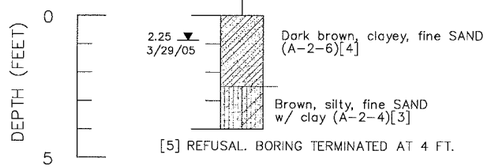
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-38
LOCATION: STA. 172+00
28 FT. NORTH FROM CENTERLINE



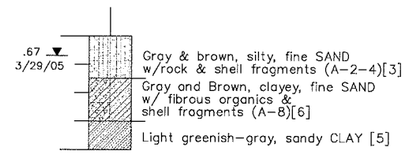
[5] REFUSAL. BORING TERMINATED AT 4.5 FT.

AB-39
LOCATION: STA. 173+00
35 FT. SOUTH FROM CENTERLINE



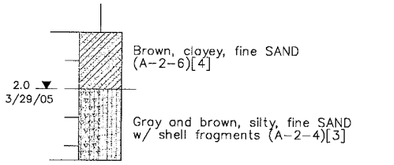
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-40
LOCATION: STA. 174+00
28 FT. NORTH FROM CENTERLINE



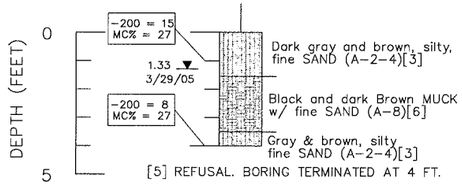
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-41
LOCATION: STA. 175+00
28 FT. SOUTH FROM CENTERLINE



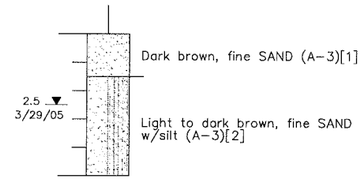
[5] REFUSAL. BORING TERMINATED AT 4.5 FT.

AB-42
LOCATION: STA. 176+00
32 FT. NORTH FROM CENTERLINE



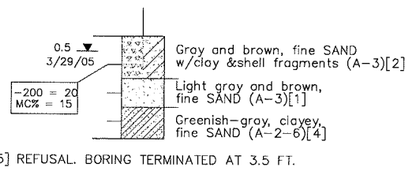
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-43
LOCATION: STA. 177+00
25 FT. SOUTH FROM CENTERLINE



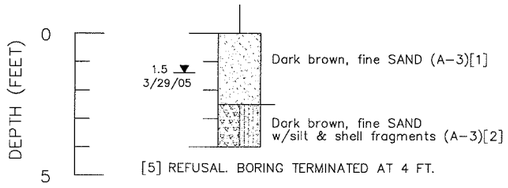
BORING TERMINATED AT 5 FT.

AB-44
LOCATION: STA. 178+00
45 FT. NORTH FROM CENTERLINE



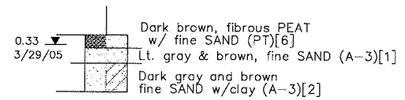
[5] REFUSAL. BORING TERMINATED AT 3.5 FT.

AB-45
LOCATION: STA. 179+00
28 FT. SOUTH FROM CENTERLINE



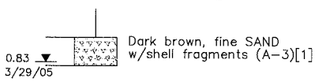
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-46
LOCATION: STA. 180+00
38 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 2.0 FT.

AB-47
LOCATION: STA. 181+00
27 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 1.0 FT.

KEY TO BORING LOGS

SHELL	CLAY	Sandy\Silty CLAY
ROCK	SAND	Silty SAND
SAND with silt	SAND with clay	Clayey SAND

- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)
- (A-3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS
- -200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC% NATURAL MOISTURE CONTENT
- LL LIQUID LIMIT
- PI PLASTICITY INDEX
- 5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE
- 0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH
- G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
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APPROVED BY: LINDSEY WEAVER
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 11/08

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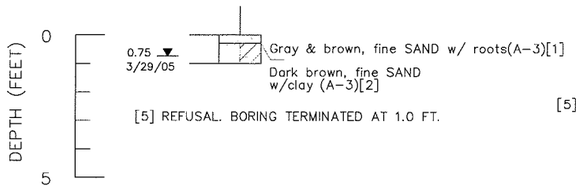
FORT MYERS, FLORIDA 33905
OFFICE: (239) 985-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

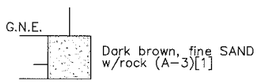
REPORT OF SOIL BORINGS

AB-48
LOCATION: STA. 182+00
36 FT. NORTH FROM CENTERLINE



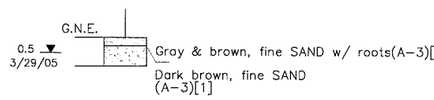
[5] REFUSAL. BORING TERMINATED AT 1.0 FT.

AB-49
LOCATION: STA. 183+00
35 FT. SOUTH FROM CENTERLINE



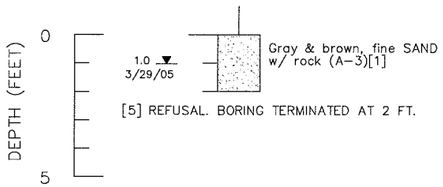
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB-50
LOCATION: STA. 184+00
42 FT. NORTH FROM CENTERLINE



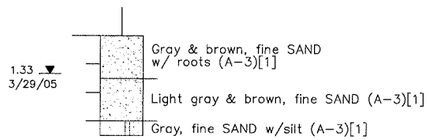
[5] REFUSAL. BORING TERMINATED AT 1.0 FT.

AB-51
LOCATION: STA. 185+00
35 FT. SOUTH FROM CENTERLINE



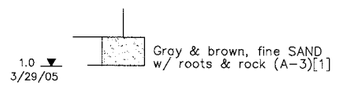
[5] REFUSAL. BORING TERMINATED AT 2 FT.

AB-52
LOCATION: STA. 186+00
28 FT. NORTH FROM CENTERLINE



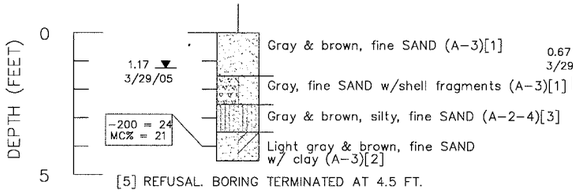
[5] REFUSAL. BORING TERMINATED AT 3.5 FT.

AB-53
LOCATION: STA. 186+93
35 FT. SOUTH FROM CENTERLINE



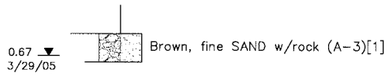
[5] REFUSAL. BORING TERMINATED AT 1 FT.

AB-54
LOCATION: STA. 188+00
25 FT. NORTH FROM CENTERLINE



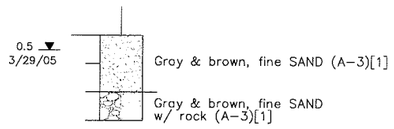
[5] REFUSAL. BORING TERMINATED AT 4.5 FT.

AB-55
LOCATION: STA. 188+00
40 FT. SOUTH FROM CENTERLINE



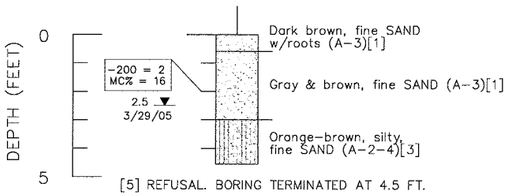
[5] REFUSAL. BORING TERMINATED AT 1 FT.

AB-56
LOCATION: STA. 190+00
35 FT. NORTH FROM CENTERLINE



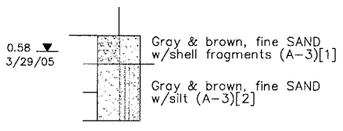
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB-57
LOCATION: STA. 190+95
42 FT. SOUTH FROM CENTERLINE



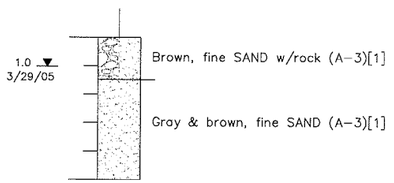
[5] REFUSAL. BORING TERMINATED AT 4.5 FT.

AB-58
LOCATION: STA. 192+00
41 FT. NORTH FROM CENTERLINE



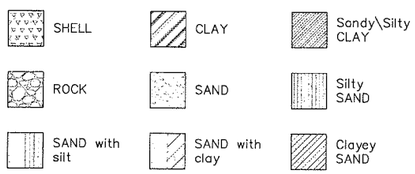
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB-59
LOCATION: STA. 193+00
45 FT. SOUTH FROM CENTERLINE



BORING TERMINATED AT 5 FT.

KEY TO BORING LOGS



N	STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)
(A-3)	AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS
-200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
MC%	NATURAL MOISTURE CONTENT
LL	LIQUID LIMIT
PI	PLASTICITY INDEX
5.0 ▼ 4/6/06	GROUNDWATER TABLE DEPTH/DATE
0.5 ▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH
G.N.E.	GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

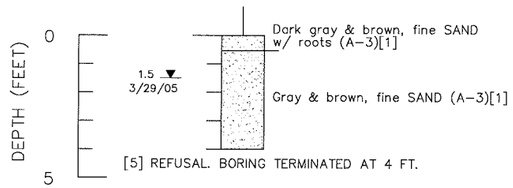
APPROVED BY:
LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 11/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

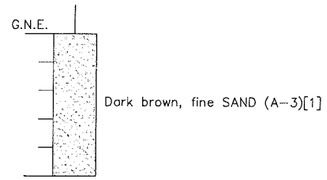
REPORT OF SOIL BORINGS

AB–60
LOCATION: STA. 194+00
30 FT. NORTH FROM CENTERLINE



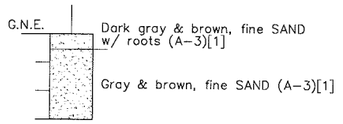
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–61
LOCATION: STA. 194+87
45 FT. SOUTH FROM CENTERLINE



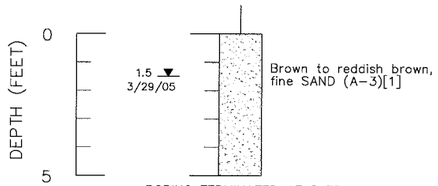
BORING TERMINATED AT 5 FT.

AB–62
LOCATION: STA. 196+00
52 FT. NORTH FROM CENTERLINE



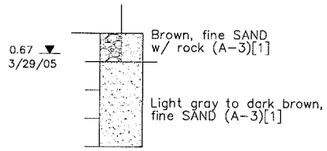
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–63
LOCATION: STA. 196+92
43 FT. SOUTH FROM CENTERLINE



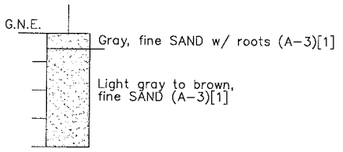
BORING TERMINATED AT 5 FT.

AB–64
LOCATION: STA. 198+00
42 FT. NORTH FROM CENTERLINE



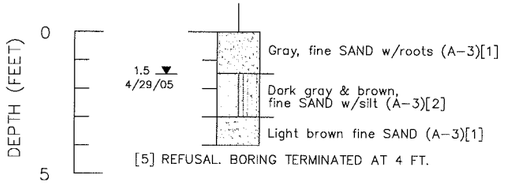
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–65
LOCATION: STA. 198+80
35 FT. SOUTH FROM CENTERLINE



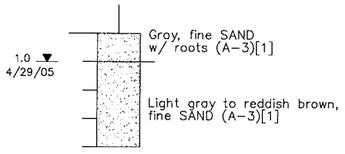
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–66
LOCATION: STA. 200+00
58 FT. NORTH FROM CENTERLINE



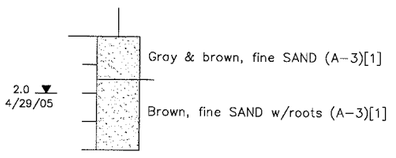
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–67
LOCATION: STA. 200+65
42 FT. SOUTH FROM CENTERLINE



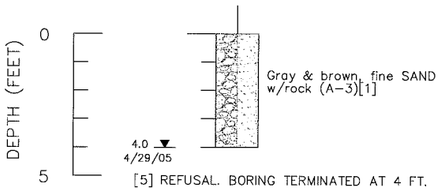
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–68
LOCATION: STA. 201+92
54 FT. NORTH FROM CENTERLINE



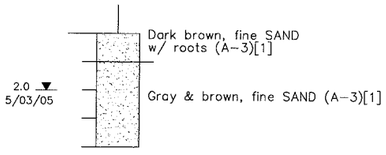
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–69
LOCATION: STA. 203+00
35 FT. SOUTH FROM CENTERLINE



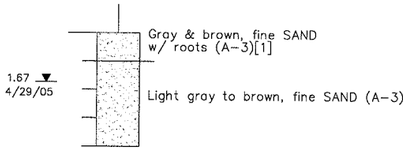
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–70
LOCATION: STA. 203+95
45 FT. NORTH FROM CENTERLINE



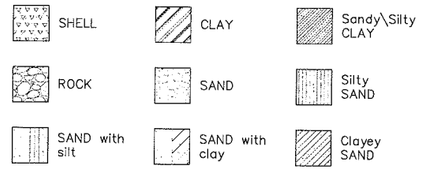
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–71
LOCATION: STA. 205+00
34 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS



N	STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)
(A–3)	AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS
–200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
MC%	NATURAL MOISTURE CONTENT
LL	LIQUID LIMIT
PI	PLASTICITY INDEX
5.0 ▼ 4/6/06	GROUNDWATER TABLE DEPTH/DATE
0.5 ▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH
G.N.E.	GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055–046–01
HORIZ. SCALE:
VERT. SCALE:

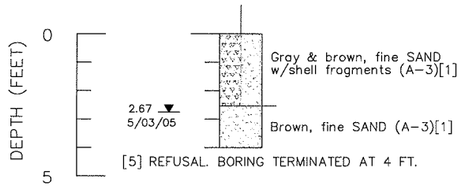
APPROVED BY: LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE:

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

PROPOSED GLADIOLUS DRIVE WIDENING

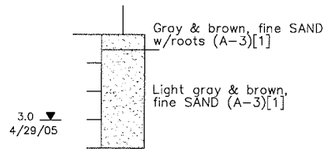
REPORT OF SOIL BORINGS

AB-72
LOCATION: STA. 206+15
55 FT. NORTH FROM CENTERLINE



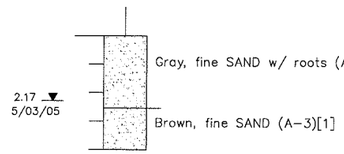
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-73
LOCATION: STA. 206+08
32 FT. SOUTH FROM CENTERLINE



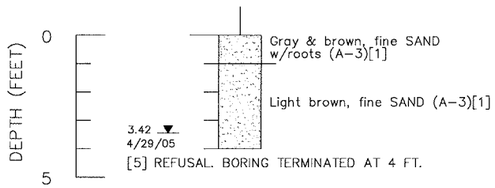
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-74
LOCATION: STA. 207+95
50 FT. NORTH FROM CENTERLINE



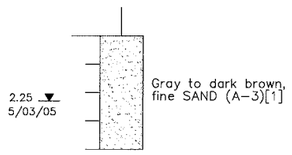
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-75
LOCATION: STA. 208+95
35 FT. SOUTH FROM CENTERLINE



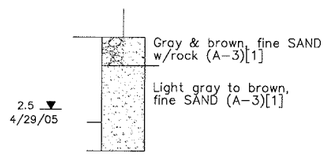
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-76
LOCATION: STA. 210+00
42 FT. NORTH FROM CENTERLINE



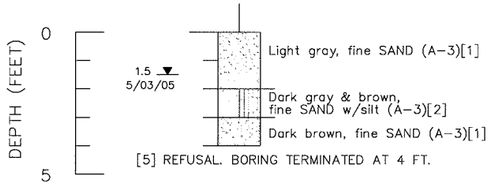
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-77
LOCATION: STA. 211+00
44 FT. SOUTH FROM CENTERLINE



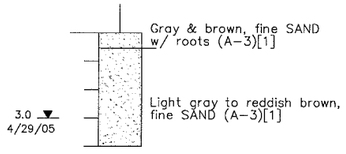
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-78
LOCATION: STA. 212+00
45 FT. NORTH FROM CENTERLINE



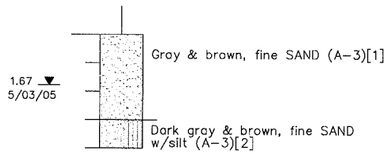
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-79
LOCATION: STA. 212+97
44 FT. SOUTH FROM CENTERLINE



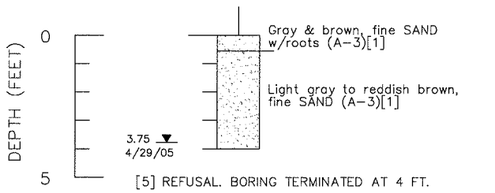
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-80
LOCATION: STA. 214+00
52 FT. NORTH FROM CENTERLINE



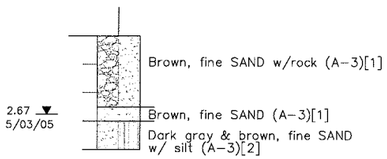
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-81
LOCATION: STA. 214+80
55 FT. SOUTH FROM CENTERLINE



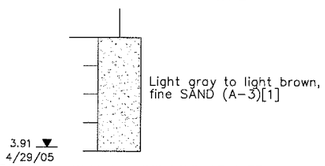
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-82
LOCATION: STA. 216+55
60 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB-83
LOCATION: STA. 217+00
37 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A-3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

-200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/05/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

APPROVED BY: LINDSEY BEARDSLEY
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 1/10/08

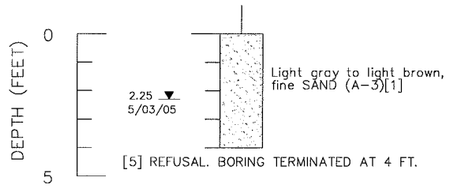
UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

REPORT OF SOIL BORINGS

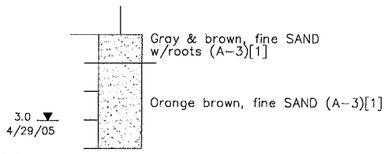
SHEET 104 of 207 SHEETS

AB–84
LOCATION: STA. 218+00
44 FT. NORTH FROM CENTERLINE



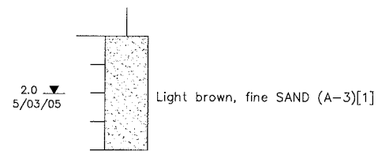
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–85
LOCATION: STA. 218+85
37 FT. SOUTH FROM CENTERLINE



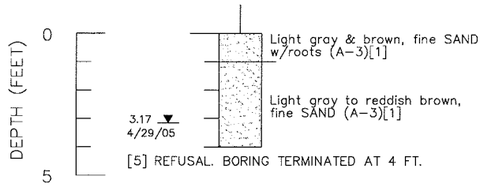
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–86
LOCATION: STA. 220+00
42 FT. NORTH FROM CENTERLINE



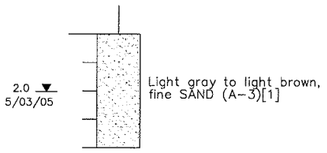
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–87
LOCATION: STA. 220+90
50 FT. SOUTH FROM CENTERLINE



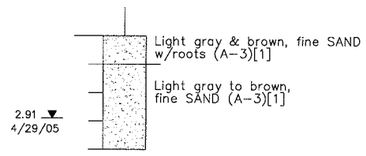
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–88
LOCATION: STA. 222+00
40 FT. NORTH FROM CENTERLINE



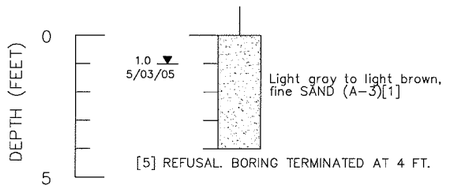
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–89
LOCATION: STA. 223+00
50 FT. SOUTH FROM CENTERLINE



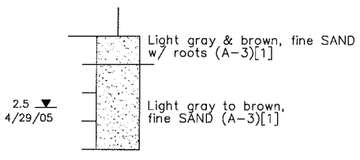
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–90
LOCATION: STA. 224+00
50 FT. NORTH FROM CENTERLINE



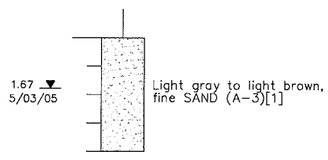
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–91
LOCATION: STA. 224+90
50 FT. SOUTH FROM CENTERLINE



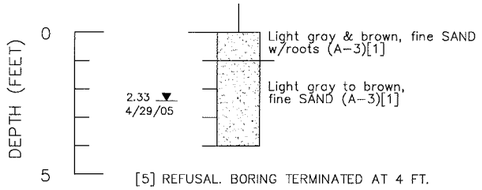
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–92
LOCATION: STA. 226+00
45 FT. NORTH FROM CENTERLINE



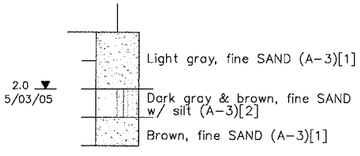
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–93
LOCATION: STA. 227+00
47 FT. SOUTH FROM CENTERLINE



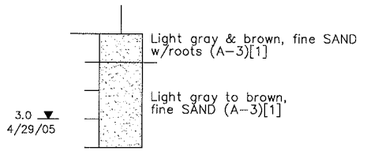
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–94
LOCATION: STA. 228+00
47 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–95
LOCATION: STA. 228+87
47 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01

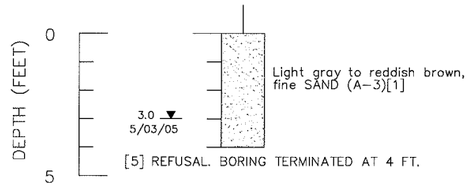
APPROVED BY:
LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE:

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

PROPOSED GLADIOLUS DRIVE WIDENING

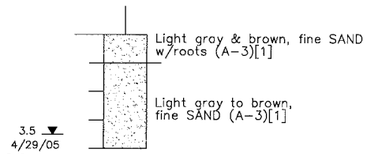
REPORT OF SOIL BORINGS

AB–96
LOCATION: STA. 229+90
47 FT. NORTH FROM CENTERLINE



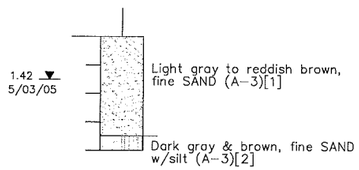
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–97
LOCATION: STA. 221+80
53 FT. SOUTH FROM CENTERLINE



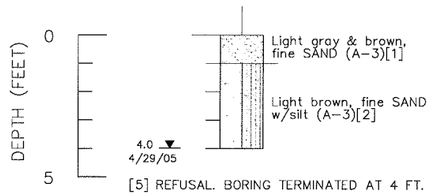
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–98
LOCATION: STA. 231+90
40 FT. NORTH FROM CENTERLINE



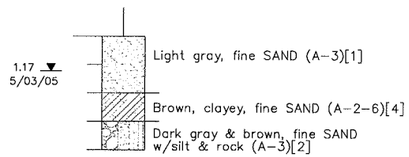
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–99
LOCATION: STA. 233+00
48 FT. SOUTH FROM CENTERLINE



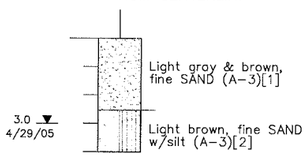
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–100
LOCATION: STA. 234+00
44 FT. NORTH FROM CENTERLINE



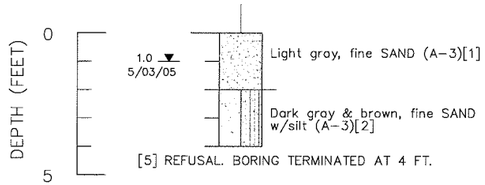
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–101
LOCATION: STA. 235+35
45 FT. SOUTH FROM CENTERLINE



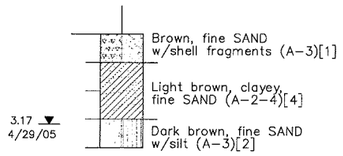
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–102
LOCATION: STA. 236+00
50 FT. NORTH FROM CENTERLINE



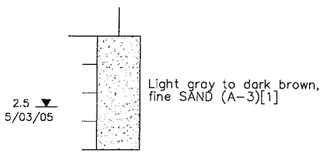
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–103
LOCATION: STA. 237+00
48 FT. SOUTH FROM CENTERLINE



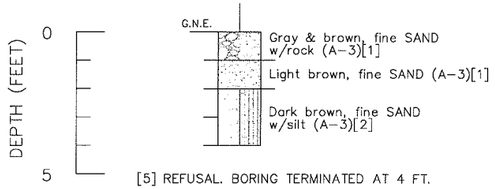
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–104
LOCATION: STA. 238+00
46 FT. NORTH FROM CENTERLINE



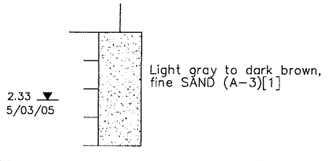
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–105
LOCATION: STA. 239+00
50 FT. SOUTH FROM CENTERLINE



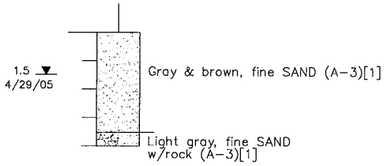
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–106
LOCATION: STA. 240+00
50 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–107
LOCATION: STA. 241+00
50 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/05/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055–046–01
HORIZ. SCALE:
VERT. SCALE:

APPROVED BY: LINDSEY W. KAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 8/10/06

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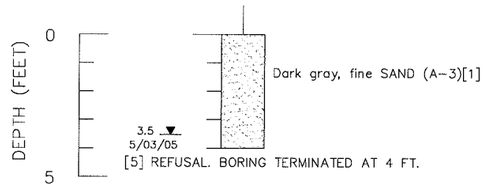
PROPOSED GLADIOLUS DRIVE WIDENING

REPORT OF SOIL BORINGS

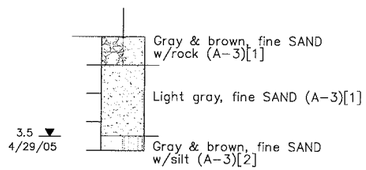
SHEET 106 of 207 SHEETS

AB–108
LOCATION: STA. 242+00
40 FT. NORTH FROM CENTERLINE



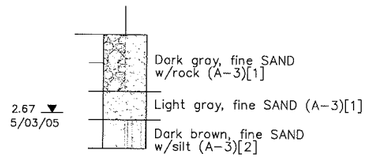
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–109
LOCATION: STA. 242+85
48 FT. SOUTH FROM CENTERLINE



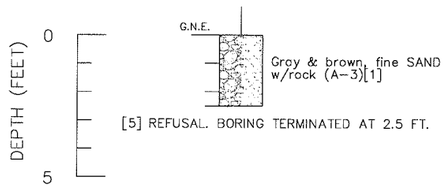
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–110
LOCATION: STA. 244+00
43 FT. NORTH FROM CENTERLINE



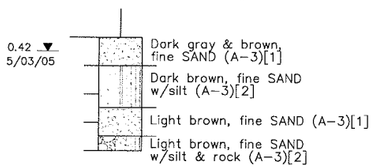
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–111
LOCATION: STA. 245+00
62 FT. SOUTH FROM CENTERLINE



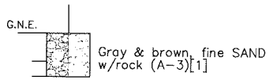
[5] REFUSAL. BORING TERMINATED AT 2.5 FT.

AB–112
LOCATION: STA. 246+00
6 FT. NORTH FROM CENTERLINE



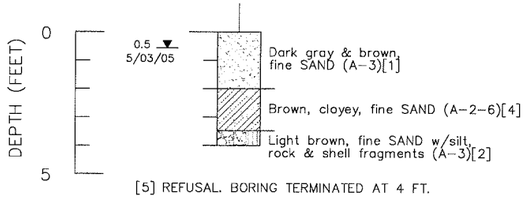
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–113
LOCATION: STA. 247+00
67 FT. SOUTH FROM CENTERLINE



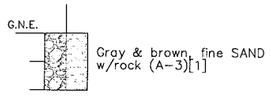
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–114
LOCATION: STA. 248+00
36 FT. NORTH FROM CENTERLINE



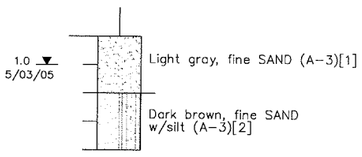
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–115
LOCATION: STA. 249+15
64 FT. SOUTH FROM CENTERLINE



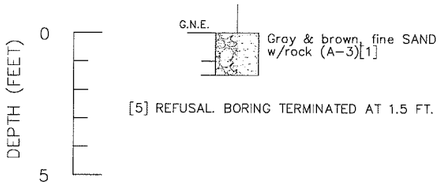
[5] REFUSAL. BORING TERMINATED AT 2 FT.

AB–116
LOCATION: STA. 250+00
50 FT. NORTH FROM CENTERLINE



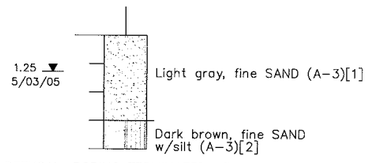
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–117
LOCATION: STA. 251+00
58 FT. SOUTH FROM CENTERLINE



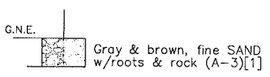
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–118
LOCATION: STA. 252+00
50 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–119
LOCATION: STA. 253+00
65 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 1 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
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Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01 |

APPROVED BY: LINDSEY WEAVER, JR.
PROFESSIONAL ENGINEER
FLORIDA PE NO.: 41790
DATE: 11/06/08

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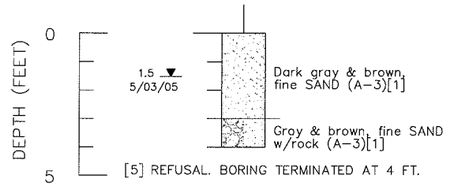
PROPOSED GLADIOLUS DRIVE WIDENING

REPORT OF SOIL BORINGS

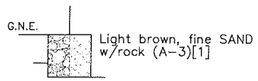
SHEET 107 of 207 SHEETS

AB–120
LOCATION: STA. 254+00
48 FT. NORTH FROM CENTERLINE



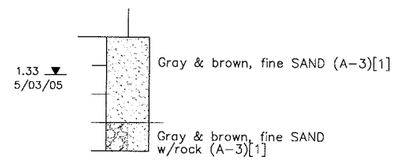
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–121
LOCATION: STA. 255+50
62 FT. SOUTH FROM CENTERLINE



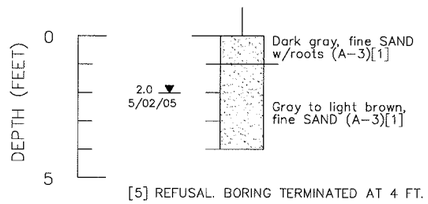
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–122
LOCATION: STA. 256+00
44 FT. NORTH FROM CENTERLINE



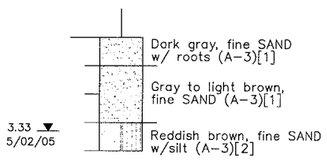
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–123
LOCATION: STA. 72+00
45 FT. SOUTH FROM CENTERLINE



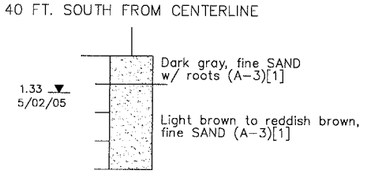
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–124
LOCATION: STA. 71+00
35 FT. NORTH FROM CENTERLINE



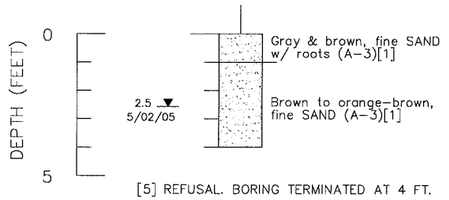
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–125
LOCATION: STA. 70+00
40 FT. SOUTH FROM CENTERLINE



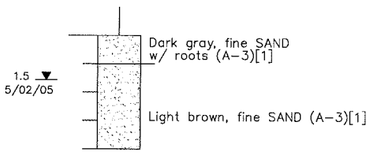
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–126
LOCATION: STA. 69+15
32 FT. NORTH FROM CENTERLINE



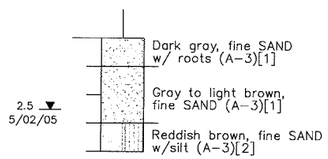
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–127
LOCATION: STA. 68+00
40 FT. SOUTH FROM CENTERLINE



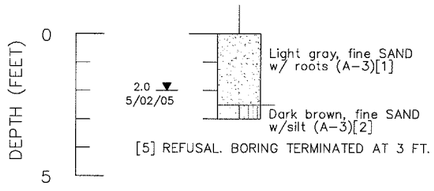
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–128
LOCATION: STA. 66+80
54 FT. NORTH FROM CENTERLINE



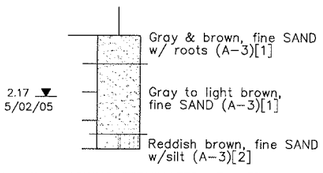
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–129
LOCATION: STA. 66+00
26 FT. SOUTH FROM CENTERLINE



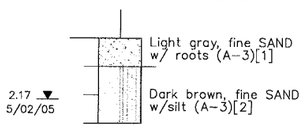
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–130
LOCATION: STA. 65+35
44 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–131
LOCATION: STA. 64+00
30 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 3 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

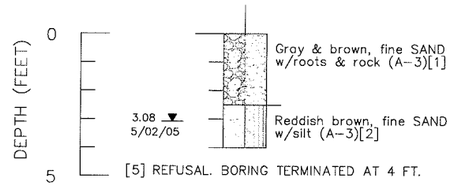
DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01

APPROVED BY: LINDSEY E. RAU, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 1/16/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

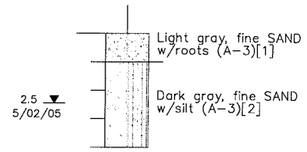
PROPOSED GLADIOLUS DRIVE WIDENING
REPORT OF SOIL BORINGS

AB–132
LOCATION: STA. 63+25
50 FT. NORTH FROM CENTERLINE



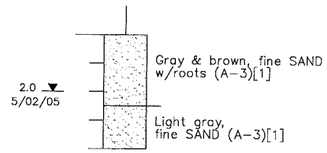
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–133
LOCATION: STA. 62+00
27 FT. SOUTH FROM CENTERLINE



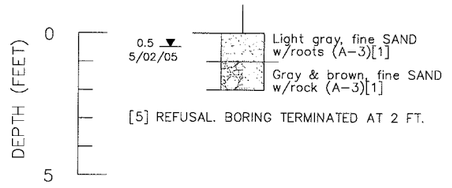
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–134
LOCATION: STA. 61+00
25 FT. NORTH FROM CENTERLINE



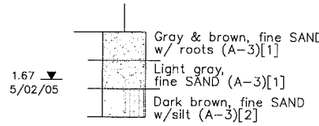
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–135
LOCATION: STA. 60+00
20 FT. SOUTH FROM CENTERLINE



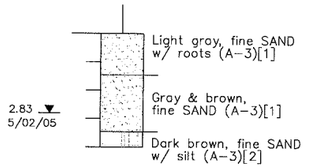
[5] REFUSAL. BORING TERMINATED AT 2 FT.

AB–136
LOCATION: STA. 59+15
32 FT. NORTH FROM CENTERLINE



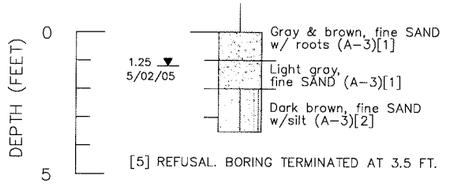
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–137
LOCATION: STA. 58+20
22 FT. SOUTH FROM CENTERLINE



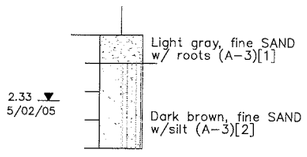
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–138
LOCATION: STA. 57+20
35 FT. NORTH FROM CENTERLINE



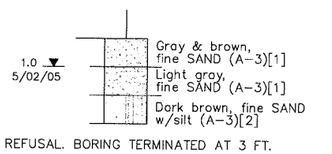
[5] REFUSAL. BORING TERMINATED AT 3.5 FT.

AB–139
LOCATION: STA. 56+00
25 FT. SOUTH FROM CENTERLINE



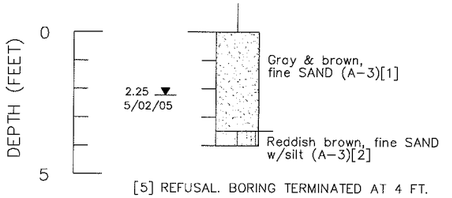
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–140
LOCATION: STA. 55+00
30 FT. NORTH FROM CENTERLINE



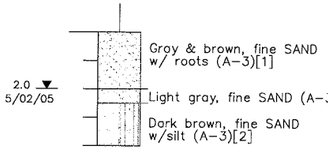
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–141
LOCATION: STA. 54+00
40 FT. SOUTH FROM CENTERLINE



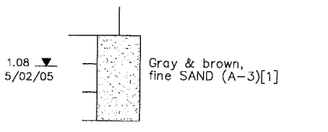
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–142
LOCATION: STA. 53+00
27 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–143
LOCATION: STA. 52+15
38 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 3 FT.

KEY TO BORING LOGS

SHELL · CLAY · Sandy\Silty CLAY
ROCK · SAND · Silty SAND
SAND with silt · SAND with clay · Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION

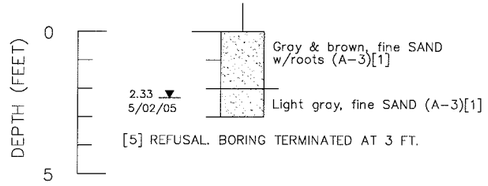
DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01

APPROVED BY: LINDSEY M. HICKS
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 8/3/06

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

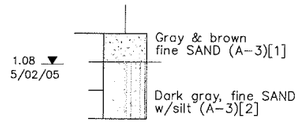
PROPOSED GLADIOLUS DRIVE WIDENING
REPORT OF SOIL BORINGS

AB–144
LOCATION: STA. 51+00
28 FT. NORTH FROM CENTERLINE



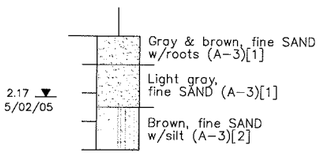
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–145
LOCATION: STA. 50+00
35 FT. SOUTH FROM CENTERLINE



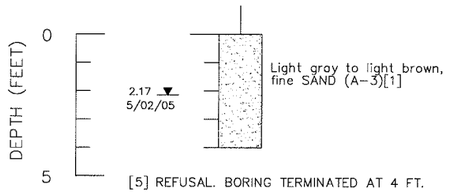
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–146
LOCATION: STA. 49+00
25 FT. NORTH FROM CENTERLINE



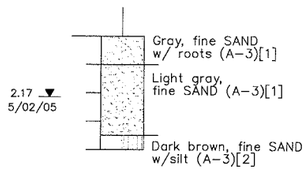
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–147
LOCATION: STA. 48+00
40 FT. SOUTH FROM CENTERLINE



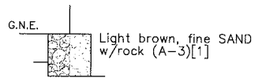
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–148
LOCATION: STA. 47+00
28 FT. NORTH FROM CENTERLINE



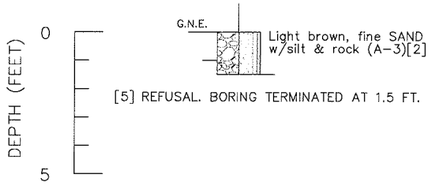
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–149
LOCATION: STA. 46+00
40 FT. SOUTH FROM CENTERLINE



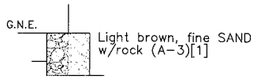
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–150
LOCATION: STA. 45+00
30 FT. NORTH FROM CENTERLINE



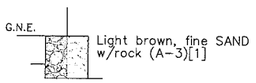
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–151
LOCATION: STA. 44+00
45 FT. SOUTH FROM CENTERLINE



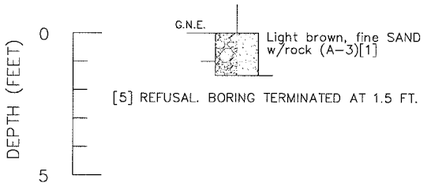
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–152
LOCATION: STA. 43+00
55 FT. NORTH FROM CENTERLINE



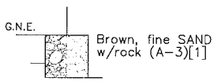
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–153
LOCATION: STA. 42+00
50 FT. SOUTH FROM CENTERLINE



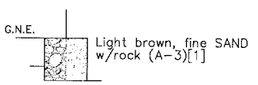
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–154
LOCATION: STA. 41+30
58 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–155
LOCATION: STA. 40+50
50 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
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Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

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1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
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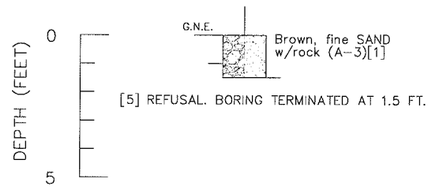
APPROVED BY: LINDSEY WENTWORTH
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 1/16/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995–1997
FAX: (239) 313–2347

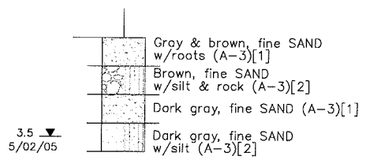
PROPOSED GLADIOLUS DRIVE WIDENING
REPORT OF SOIL BORINGS

AB–156
LOCATION: STA. 39+00
55 FT. NORTH FROM CENTERLINE



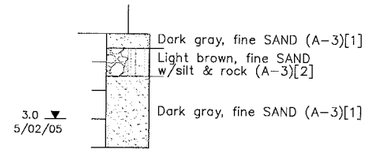
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–157
LOCATION: STA. 21+00
20 FT. SOUTH FROM CENTERLINE



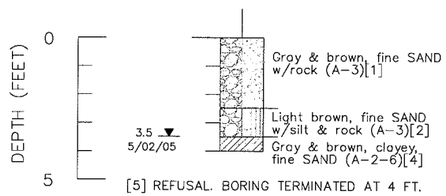
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–158
LOCATION: STA. 22+00
20 FT. NORTH FROM CENTERLINE



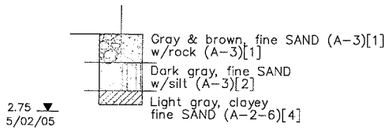
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–159
LOCATION: STA. 23+00
20 FT. SOUTH FROM CENTERLINE



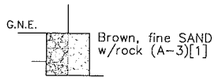
[5] REFUSAL. BORING TERMINATED AT 4 FT.

AB–160
LOCATION: STA. 24+00
29 FT. NORTH FROM CENTERLINE



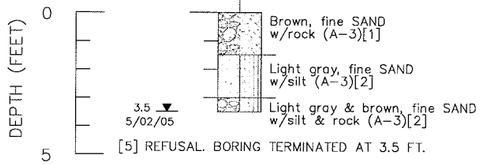
[5] REFUSAL. BORING TERMINATED AT 2.5 FT.

AB–161
LOCATION: STA. 34+00
22 FT. NORTH FROM CENTERLINE



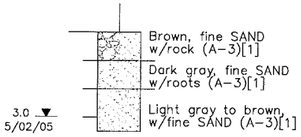
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–162
LOCATION: STA. 33+10
20 FT. SOUTH FROM CENTERLINE



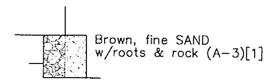
[5] REFUSAL. BORING TERMINATED AT 3.5 FT.

AB–163
LOCATION: STA. 32+00
22 FT. NORTH FROM CENTERLINE



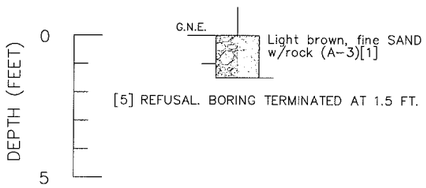
[5] REFUSAL. BORING TERMINATED AT 3.5 FT.

AB–164
LOCATION: STA. 31+00
22 FT. SOUTH FROM CENTERLINE



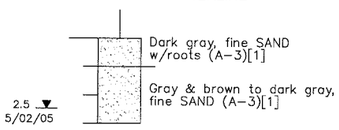
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–165
LOCATION: STA. 30+00
20 FT. NORTH FROM CENTERLINE



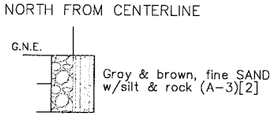
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB–166
LOCATION: STA. 29+00
22 FT. SOUTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB–167
LOCATION: STA. 28+00
20 FT. NORTH FROM CENTERLINE



[5] REFUSAL. BORING TERMINATED AT 2 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A–3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

–200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2–4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0–4	Very Soft	0–2
Loose	5–10	Soft	3–4
Medium Dense	11–30	Firm	5–8
Dense	31–50	Stiff	9–16
Very Dense	50+	Very Stiff	17–30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055–046–01

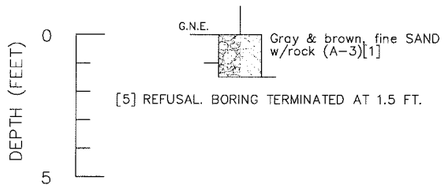
APPROVED BY: LINDSEY W. LANE, JR.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 11/16/06

UNIVERSAL
ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 985–1997
FAX: (239) 313–2347

PROPOSED GLADIOLUS DRIVE
WIDENING

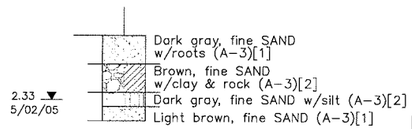
REPORT OF SOIL BORINGS

AB-168
LOCATION: STA. 27+00
20 FT. SOUTH FROM CENTERLINE



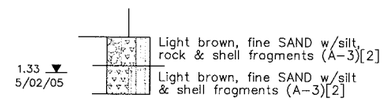
[5] REFUSAL. BORING TERMINATED AT 1.5 FT.

AB-169
LOCATION: STA. 26+25
20 FT. NORTH FROM CENTERLINE



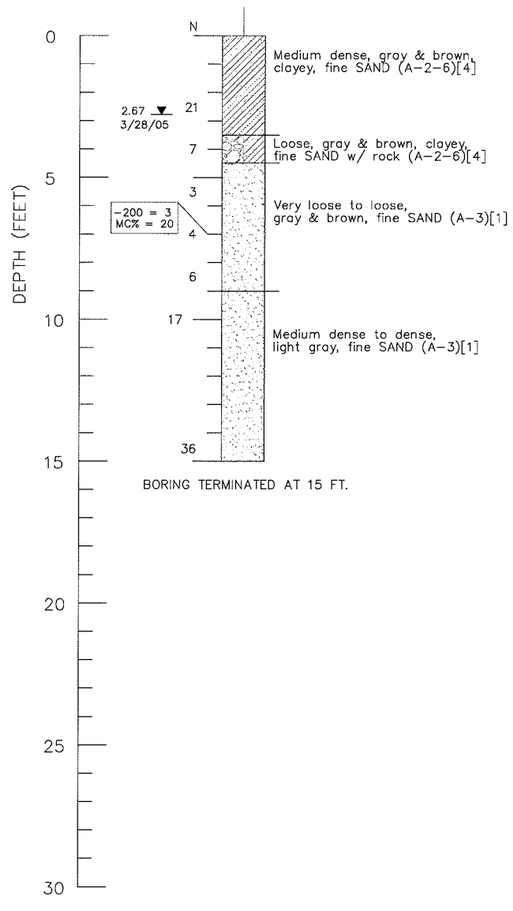
[5] REFUSAL. BORING TERMINATED AT 3 FT.

AB-170
LOCATION: STA. 25+00
20 FT. SOUTH FROM CENTERLINE



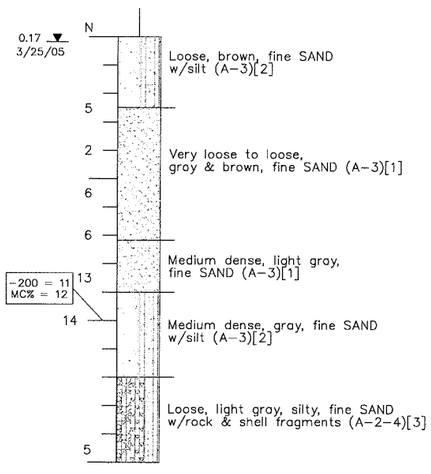
[5] REFUSAL. BORING TERMINATED AT 2 FT.

B-1
LOCATION: STA. 159+40
26 FT. SOUTH FROM CENTERLINE



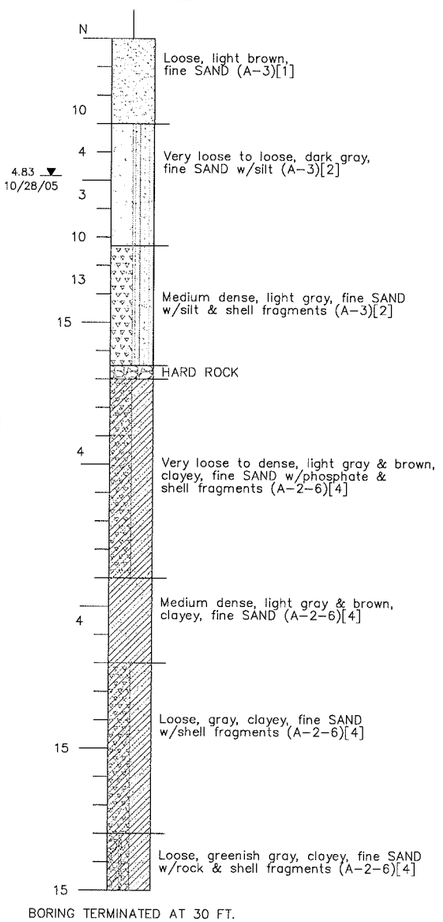
BORING TERMINATED AT 15 FT.

B-2
LOCATION: STA. 169+67
52 FT. SOUTH FROM CENTERLINE



BORING TERMINATED AT 15 FT.

B-3
LOCATION: STA. 173+67
17 FT. NORTH FROM CENTERLINE



BORING TERMINATED AT 30 FT.

KEY TO BORING LOGS

SHELL	CLAY	Sandy\Silty CLAY
ROCK	SAND	Silty SAND
SAND with silt	SAND with clay	Clayey SAND

- N — STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)
- (A-3) — AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS
- -200 — PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC% — NATURAL MOISTURE CONTENT
- LL — LIQUID LIMIT
- PI — PLASTICITY INDEX
- 5.0 ▼ 4/6/06 — GROUNDWATER TABLE DEPTH/DATE
- 0.5 ▽ — ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH
- G.N.E. — GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS - DESCRIPTION
1	12/17/07	G.B.	VARIOUS MINOR REVISIONS

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
CHECKED: M.H.R. DATE: 8/3/2006
PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

APPROVED BY: LINDSEY G. ALLEN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 1/16/08

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
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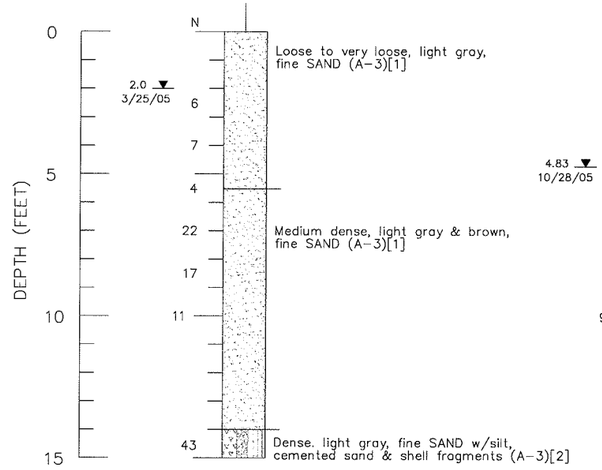
PROPOSED GLADIOLUS DRIVE WIDENING

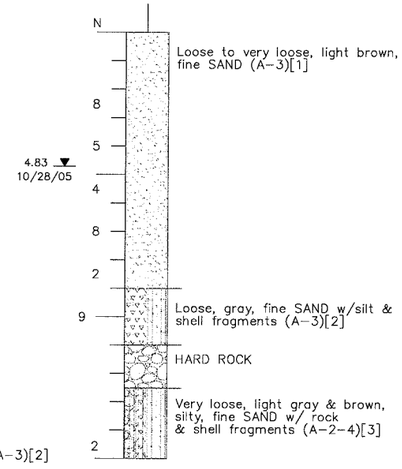
REPORT OF SOIL BORINGS

B-4
LOCATION: STA. 1215+10
108 FT. SOUTH FROM CENTERLINE



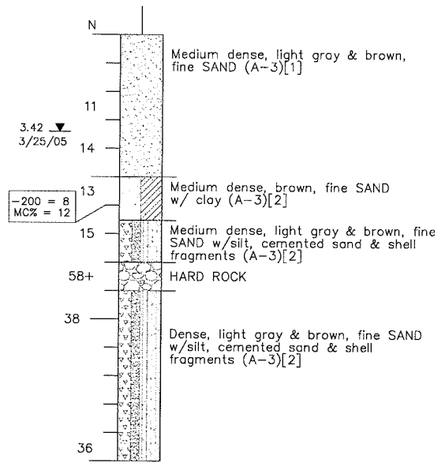
BORING TERMINATED AT 15 FT.

B-5
LOCATION: STA. 1235+12
48 FT. SOUTH FROM CENTERLINE



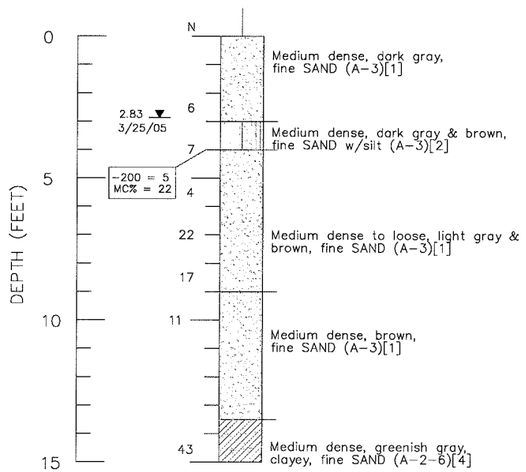
BORING TERMINATED AT 15 FT.

B-6
LOCATION: STA. 1244+50
41 FT. NORTH FROM CENTERLINE



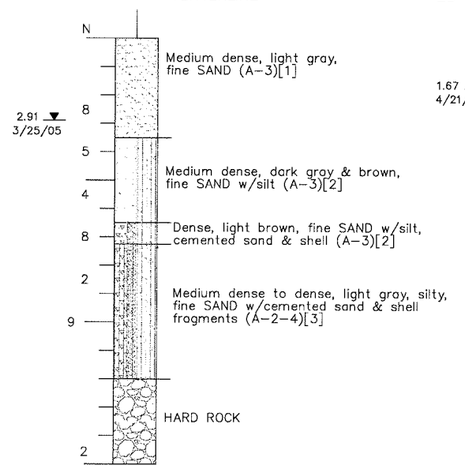
BORING TERMINATED AT 15 FT.

B-7
LOCATION: STA. 58+60
64 FT. WEST FROM CENTERLINE



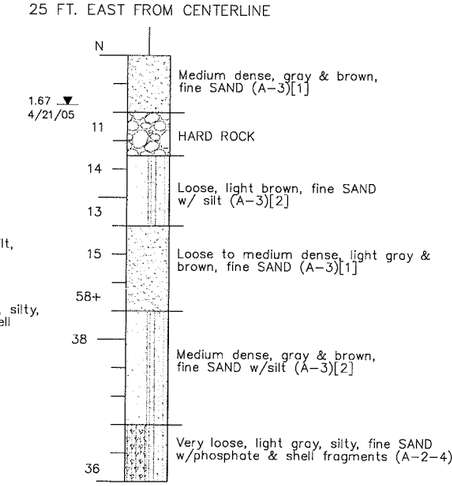
BORING TERMINATED AT 15 FT.

B-8
LOCATION: STA. 65+77
26 FT. WEST FROM CENTERLINE



BORING TERMINATED AT 15 FT.

B-9
LOCATION: STA. 25+00
25 FT. EAST FROM CENTERLINE



BORING TERMINATED AT 15 FT.

KEY TO BORING LOGS

SHELL | CLAY | Sandy\Silty CLAY
ROCK | SAND | Silty SAND
SAND with silt | SAND with clay | Clayey SAND

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)

(A-3) AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS

-200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE

MC% NATURAL MOISTURE CONTENT

LL LIQUID LIMIT

PI PLASTICITY INDEX

5.0 ▼ 4/6/06 GROUNDWATER TABLE DEPTH/DATE

0.5 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH

G.N.E. GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION

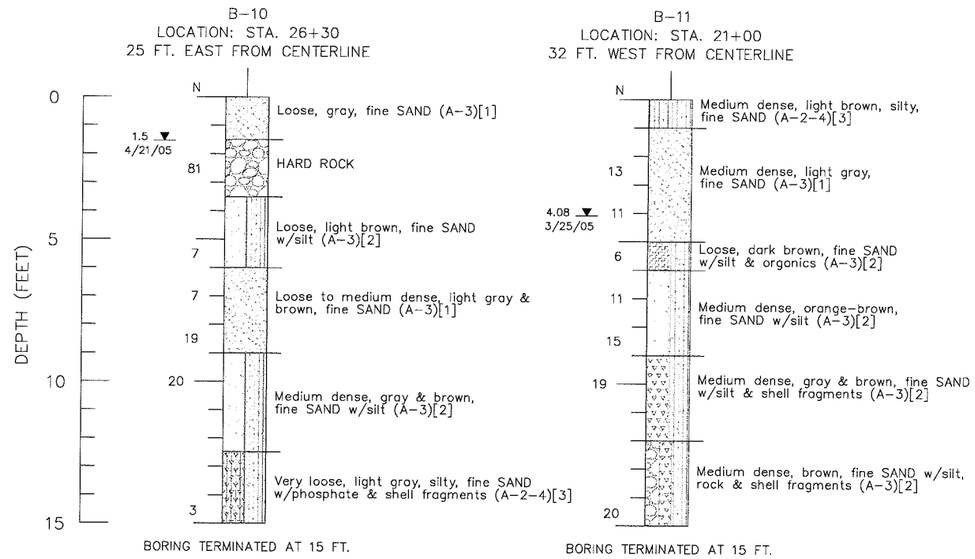
DESIGNED: M.H.R. DATE: 7/06/2006 | HORIZ. SCALE:
DRAWN: J.C. DATE: 8/3/2006 |
CHECKED: M.H.R. DATE: 8/3/2006 | VERT. SCALE:
PROJ NO.: 50055-046-01 |

APPROVED BY: LINDSEY WEAVER, P.E.
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41780
DATE:

UNIVERSAL ENGINEERING SCIENCES, INC.
5971 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995-1997
FAX: (239) 313-2347

PROPOSED GLADIOLUS DRIVE WIDENING

REPORT OF SOIL BORINGS



KEY TO BORING LOGS

SHELL	CLAY	Sandy\Silty CLAY
ROCK	SAND	Silty SAND
SAND with silt	SAND with clay	Clayey SAND

N	STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (18" SPOON – ASTM D 1586)
(A-3)	AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL BASED ON VISUAL OBSERVATION AND LABORATORY TESTS
-200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
MC%	NATURAL MOISTURE CONTENT
LL	LIQUID LIMIT
PI	PLASTICITY INDEX
5.0 ▼ 4/6/06	GROUNDWATER TABLE DEPTH/DATE
0.5 ▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE DEPTH
G.N.E.	GROUNDWATER TABLE NOT ENCOUNTERED

NOTES

1. Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
2. Boring locations are approximate (estimated from plans provided by client).

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR MATERIALS (SANDS & GRAVELS)		COHESIVE MATERIALS (SILTS & CLAYS)	
RELATIVE DENSITY	SPT N (BLOWS/FT.)	CONSISTENCY DESIGNATION	SPT N (BLOWS/FT.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium Dense	11-30	Firm	5-8
Dense	31-50	Stiff	9-16
Very Dense	50+	Very Stiff	17-30
		Hard	30+

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: M.H.R. DATE: 7/06/2006
DRAWN: J.C. DATE: 8/3/2006
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PROJ NO.: 50055-046-01
HORIZ. SCALE:
VERT. SCALE:

APPROVED BY: LINDSEY WEAVER
PROFESSIONAL ENGINEER
FLORIDA PE NO. 41790
DATE: 11/16/06

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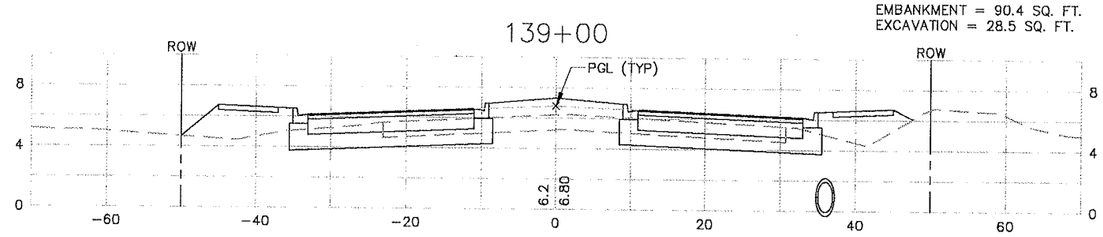
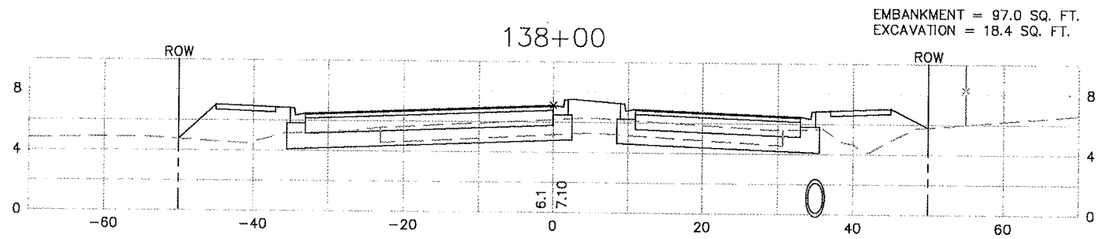
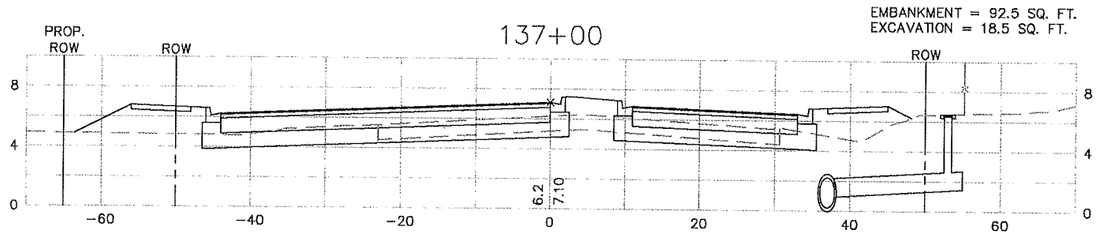
FORT MYERS, FLORIDA 33905
OFFICE: (239) 995-1997
FAX: (239) 313-2347

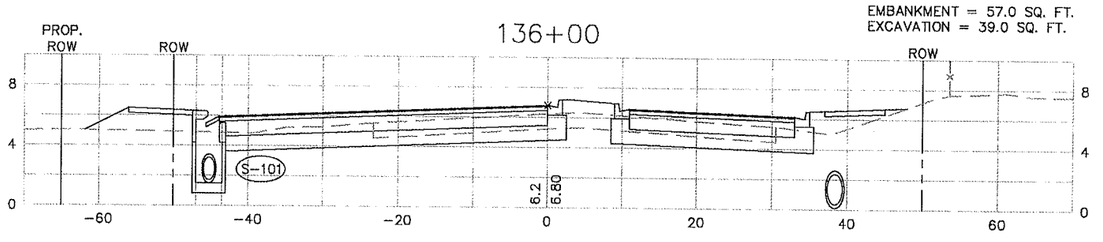
PROPOSED GLADIOLUS DRIVE WIDENING

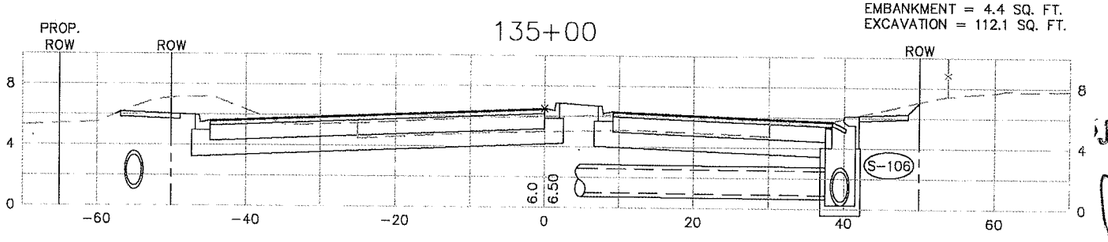
REPORT OF SOIL BORINGS

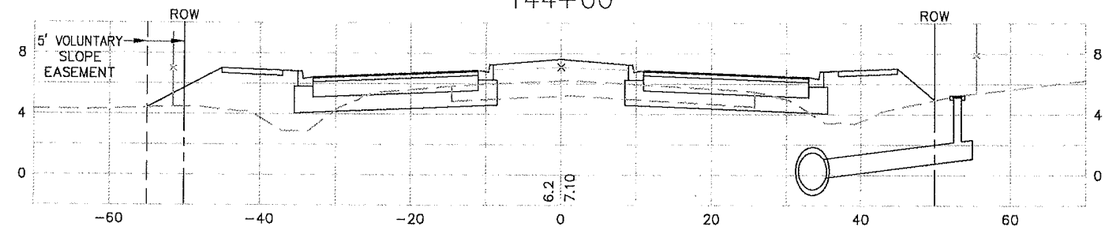


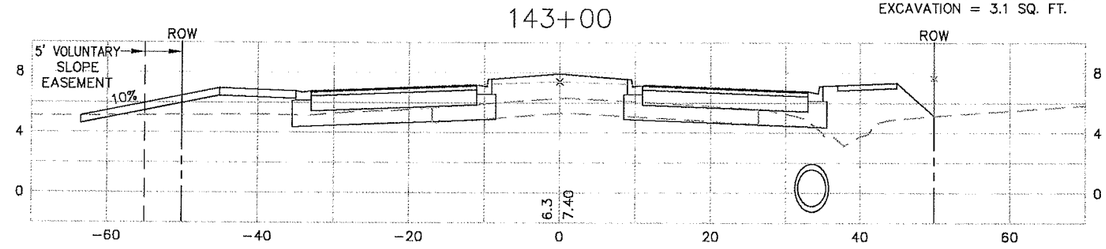


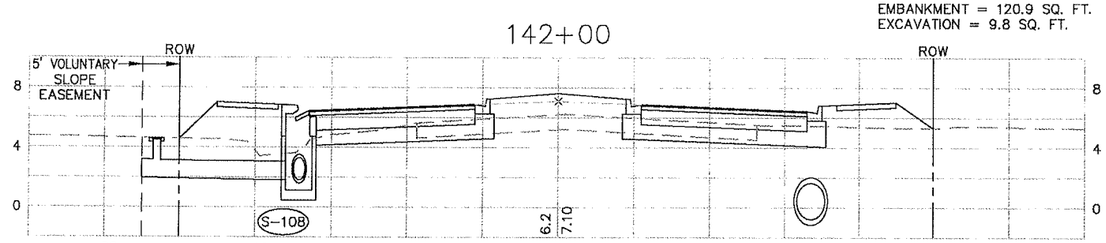


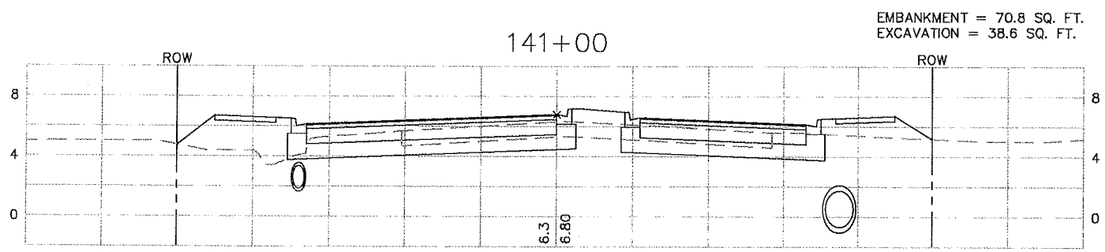


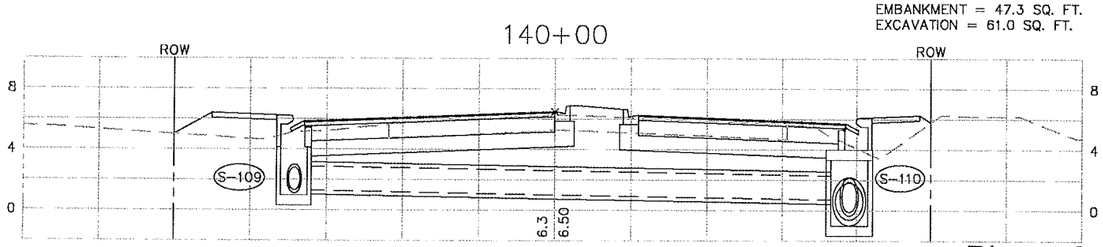












JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091601		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

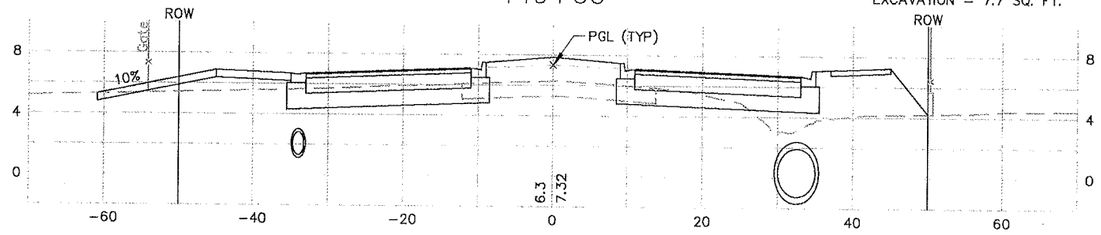
PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

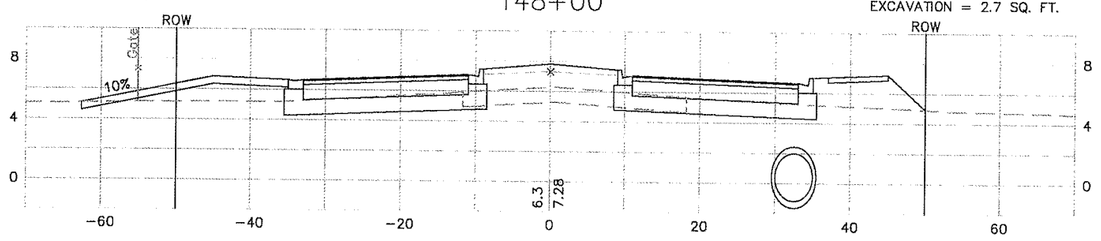
149+00

EMBANKMENT = 124.3 SQ. FT.
EXCAVATION = 7.7 SQ. FT.



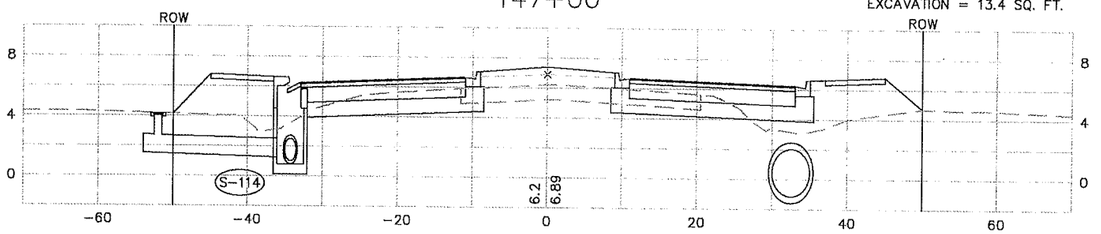
148+00

EMBANKMENT = 102.2 SQ. FT.
EXCAVATION = 2.7 SQ. FT.



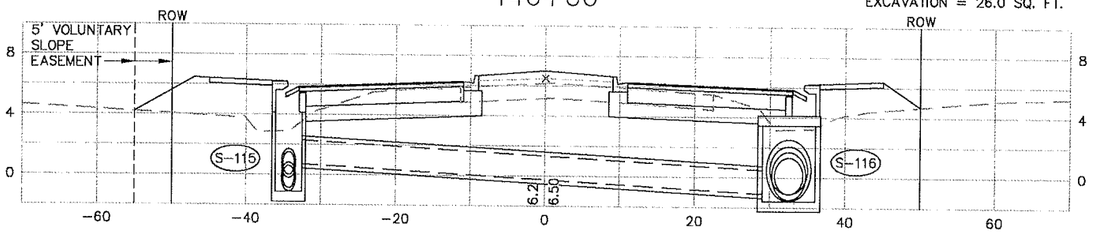
147+00

EMBANKMENT = 136.6 SQ. FT.
EXCAVATION = 13.4 SQ. FT.



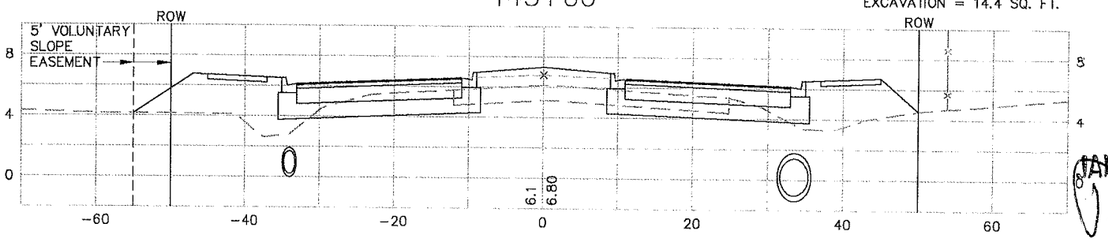
146+00

EMBANKMENT = 118.0 SQ. FT.
EXCAVATION = 26.0 SQ. FT.



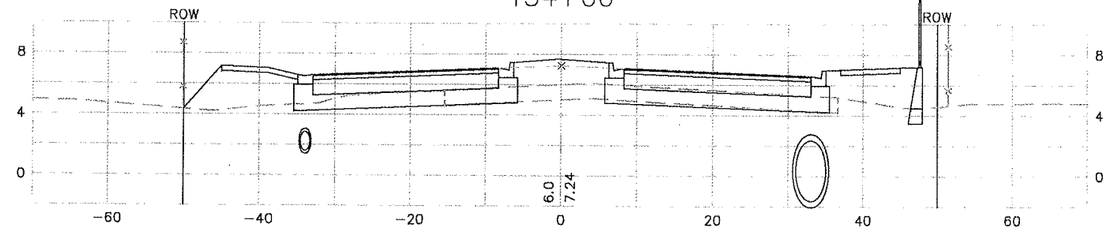
145+00

EMBANKMENT = 133.3 SQ. FT.
EXCAVATION = 14.4 SQ. FT.



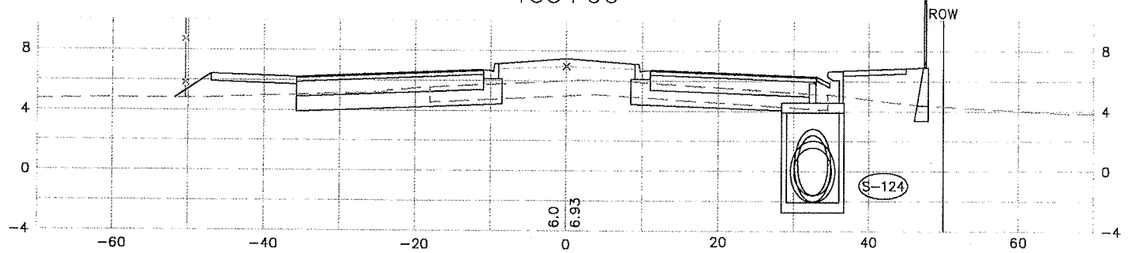
154+00

EMBANKMENT = 130.2 SQ. FT.
EXCAVATION = 3.9 SQ. FT.



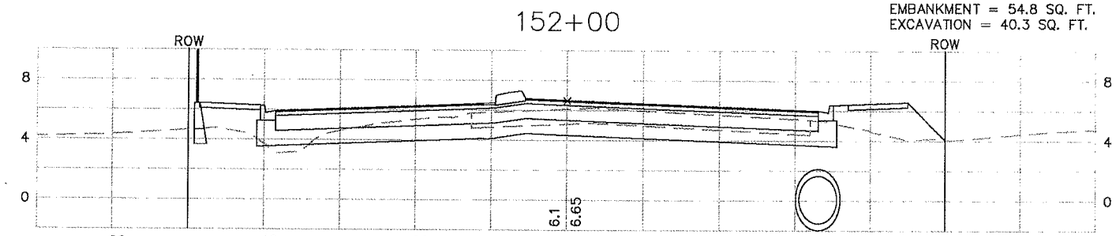
153+00

EMBANKMENT = 105.3 SQ. FT.
EXCAVATION = 12.3 SQ. FT.



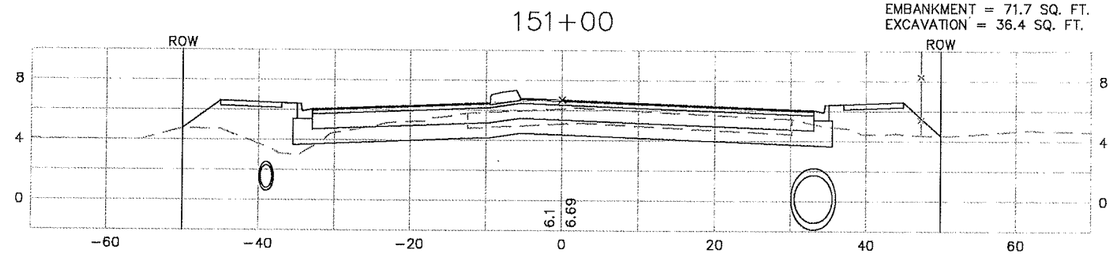
152+00

EMBANKMENT = 54.8 SQ. FT.
EXCAVATION = 40.3 SQ. FT.



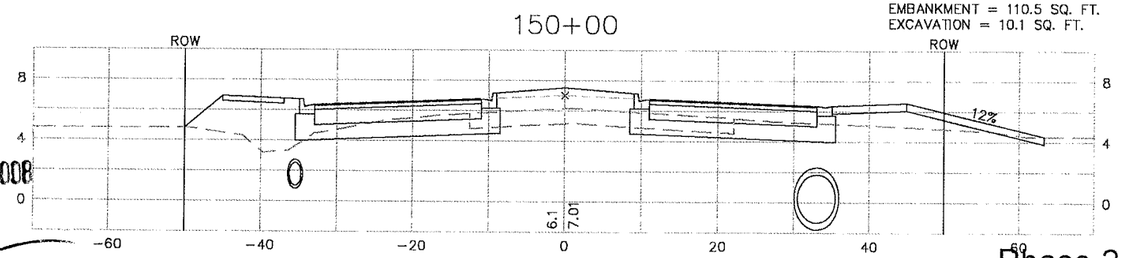
151+00

EMBANKMENT = 71.7 SQ. FT.
EXCAVATION = 36.4 SQ. FT.



150+00

EMBANKMENT = 110.5 SQ. FT.
EXCAVATION = 10.1 SQ. FT.



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091602		1"=10' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

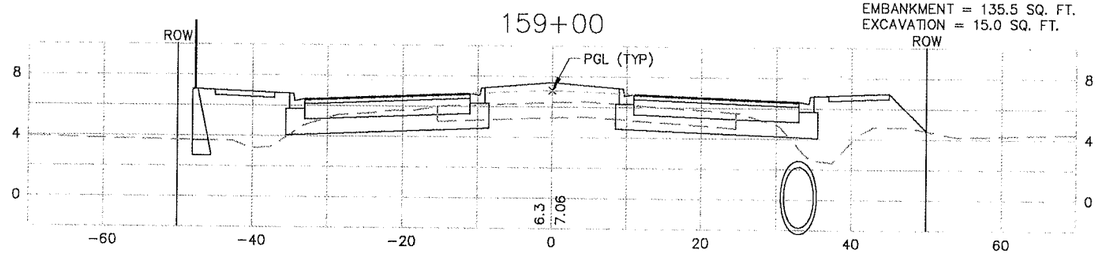
SHEET 116 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091602.dwg 12/18/2007 12:16:35 PM EST

C:\Land Projects 2005\02009-2\dwg\020091603.dwg 12/18/2007 12:23:11 PM EST

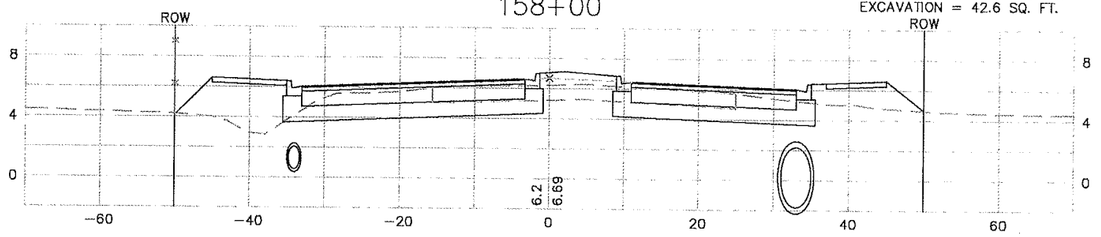
159+00

EMBANKMENT = 135.5 SQ. FT.
EXCAVATION = 15.0 SQ. FT.



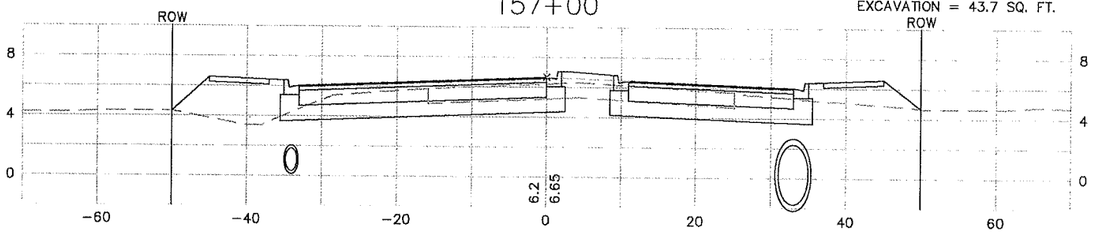
158+00

EMBANKMENT = 79.1 SQ. FT.
EXCAVATION = 42.6 SQ. FT.



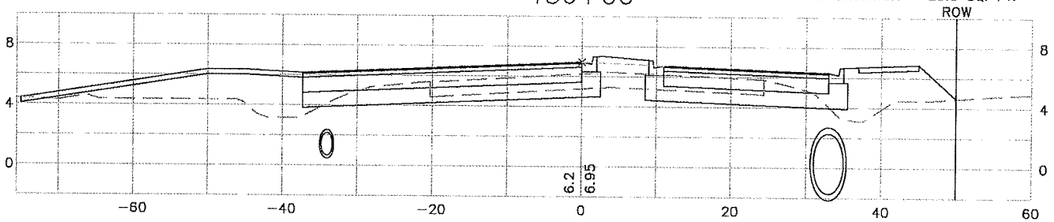
157+00

EMBANKMENT = 69.8 SQ. FT.
EXCAVATION = 43.7 SQ. FT.



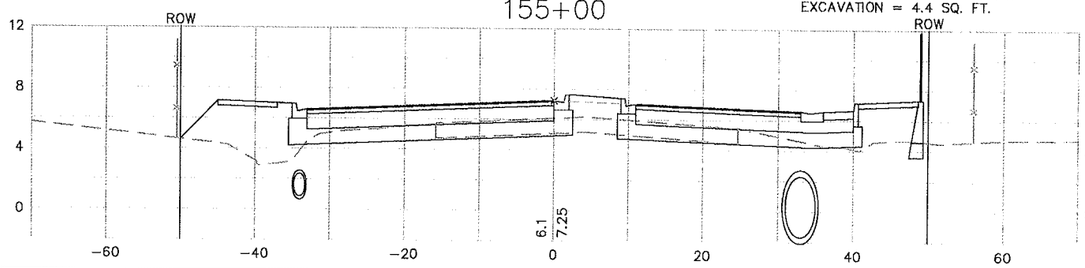
156+00

EMBANKMENT = 121.6 SQ. FT.
EXCAVATION = 23.8 SQ. FT.



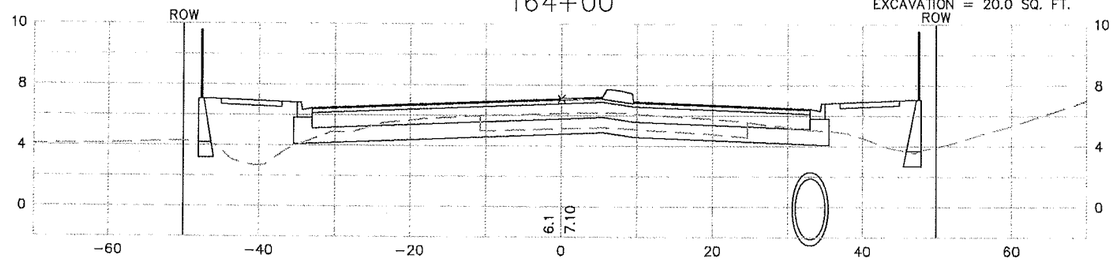
155+00

EMBANKMENT = 123.2 SQ. FT.
EXCAVATION = 4.4 SQ. FT.



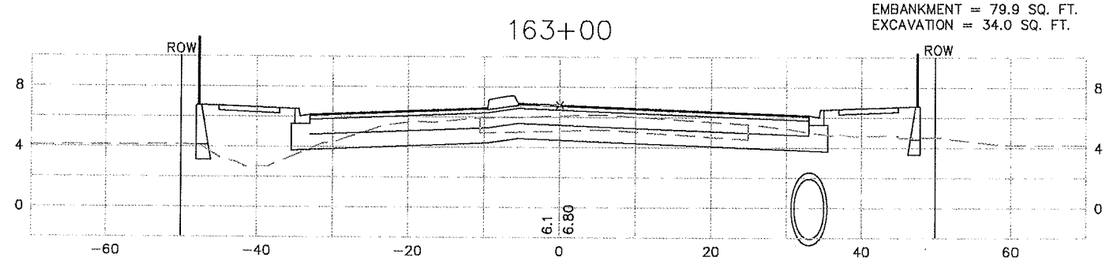
164+00

EMBANKMENT = 96.3 SQ. FT.
EXCAVATION = 20.0 SQ. FT.



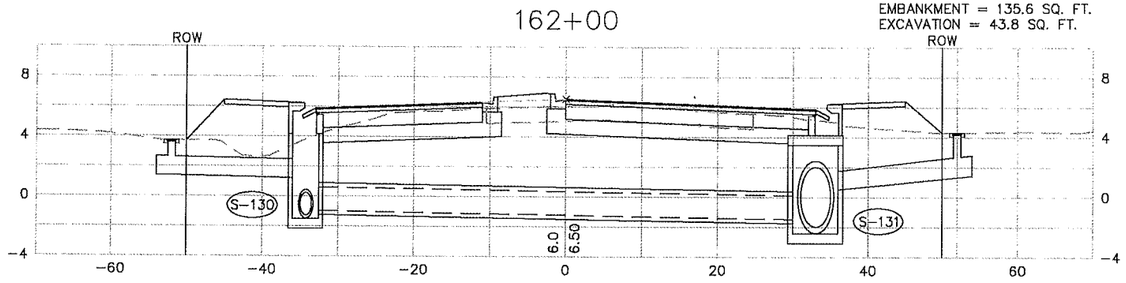
163+00

EMBANKMENT = 79.9 SQ. FT.
EXCAVATION = 34.0 SQ. FT.



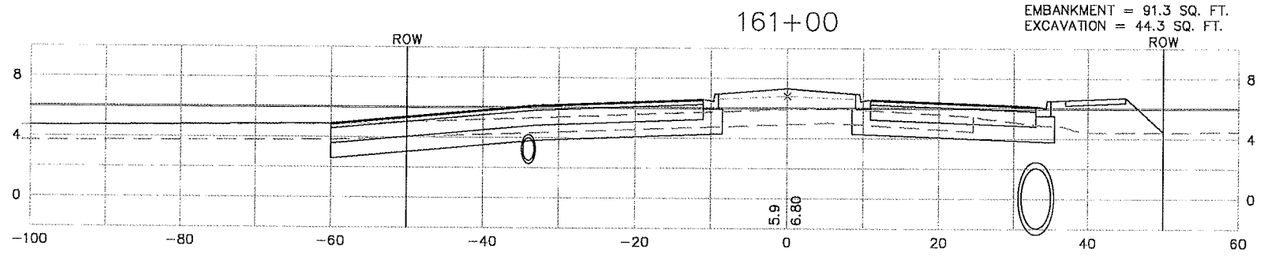
162+00

EMBANKMENT = 135.6 SQ. FT.
EXCAVATION = 43.8 SQ. FT.



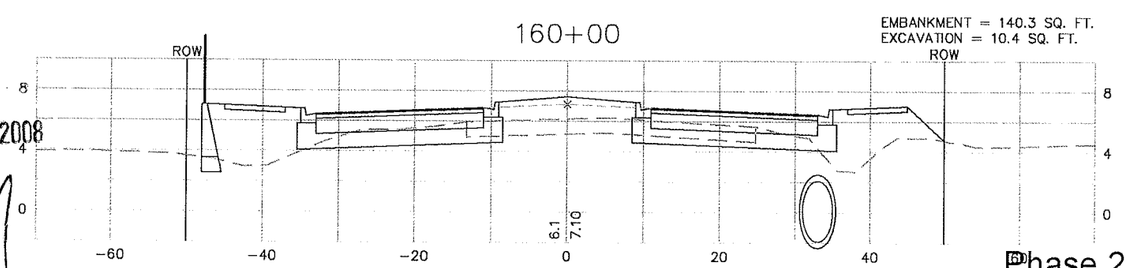
161+00

EMBANKMENT = 91.3 SQ. FT.
EXCAVATION = 44.3 SQ. FT.



160+00

EMBANKMENT = 140.3 SQ. FT.
EXCAVATION = 10.4 SQ. FT.



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091603		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dottle.htm

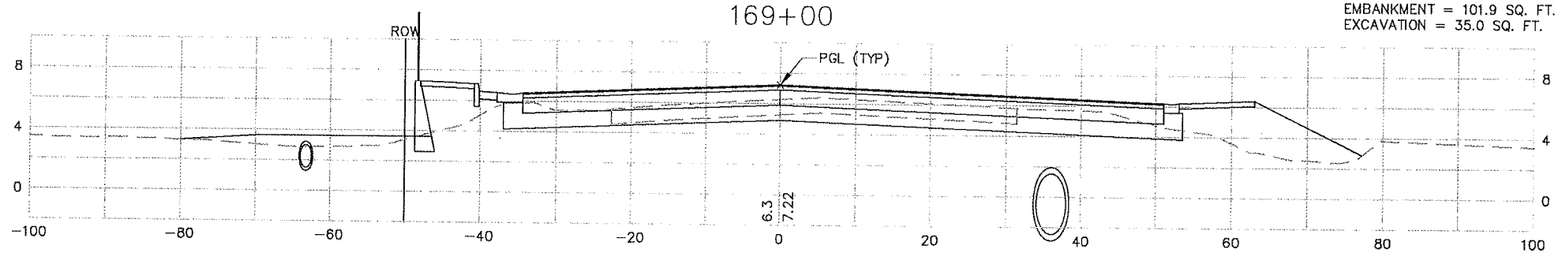
DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

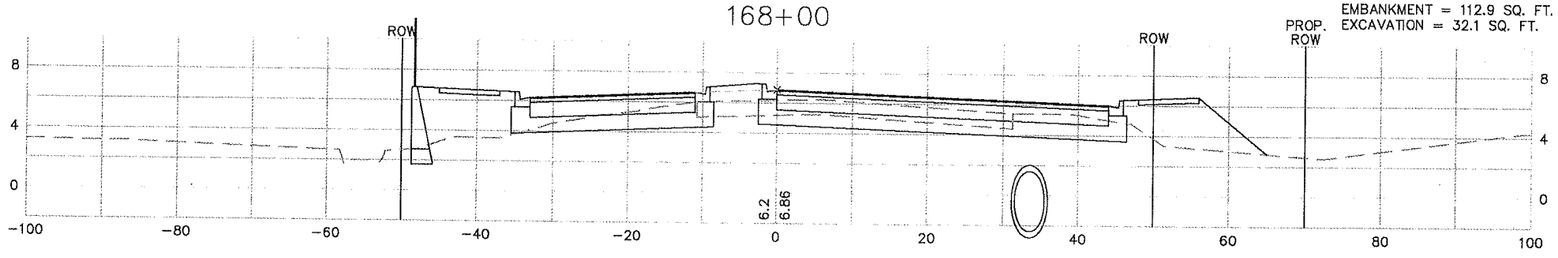
169+00

EMBANKMENT = 101.9 SQ. FT.
EXCAVATION = 35.0 SQ. FT.



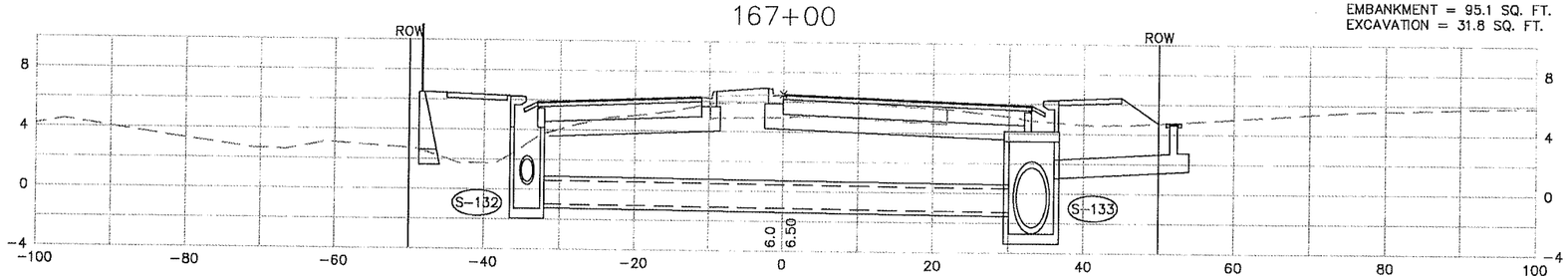
168+00

EMBANKMENT = 112.9 SQ. FT.
EXCAVATION = 32.1 SQ. FT.



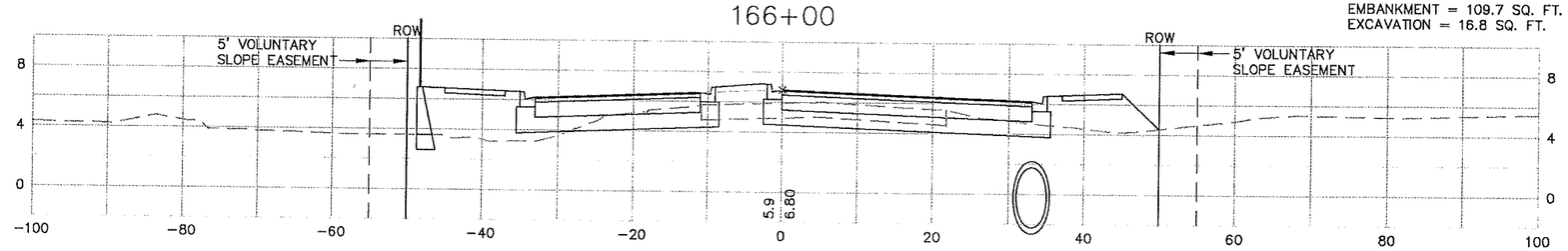
167+00

EMBANKMENT = 95.1 SQ. FT.
EXCAVATION = 31.8 SQ. FT.



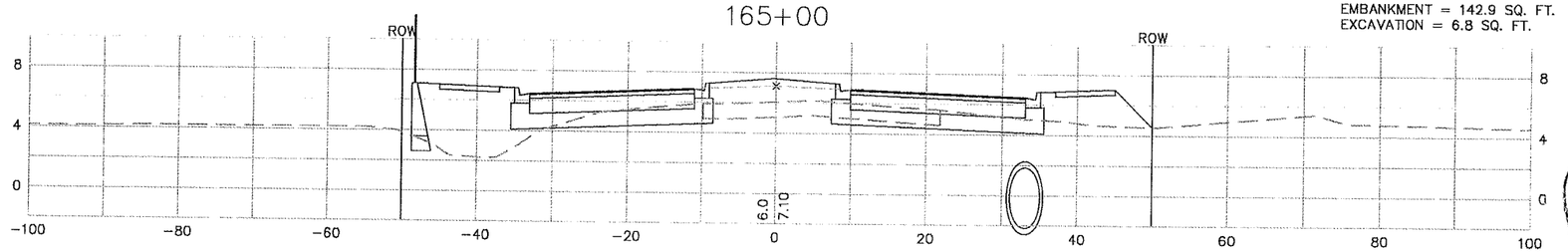
166+00

EMBANKMENT = 109.7 SQ. FT.
EXCAVATION = 16.8 SQ. FT.



165+00

EMBANKMENT = 142.9 SQ. FT.
EXCAVATION = 6.8 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091604.dwg 12/18/2007 12:27:13 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091604		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

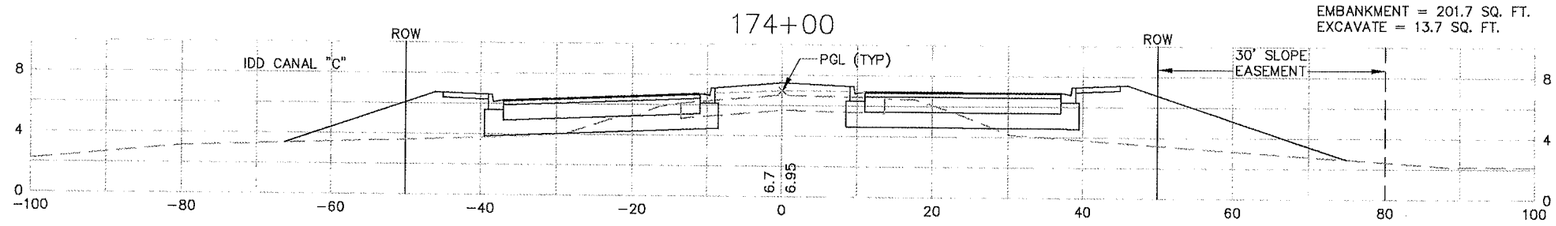
DEPARTMENT
of
TRANSPORTATION

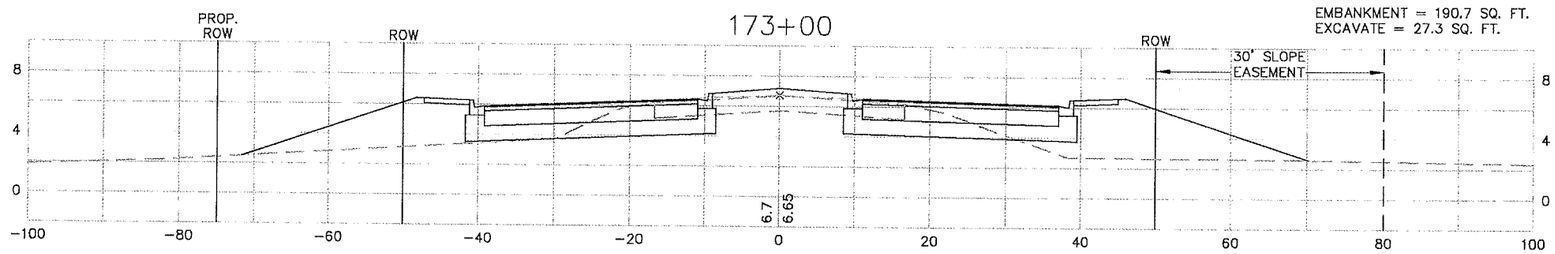
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

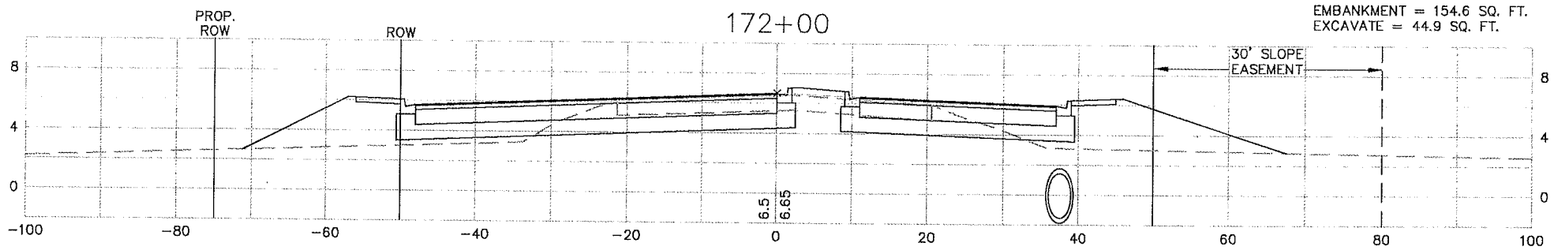
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

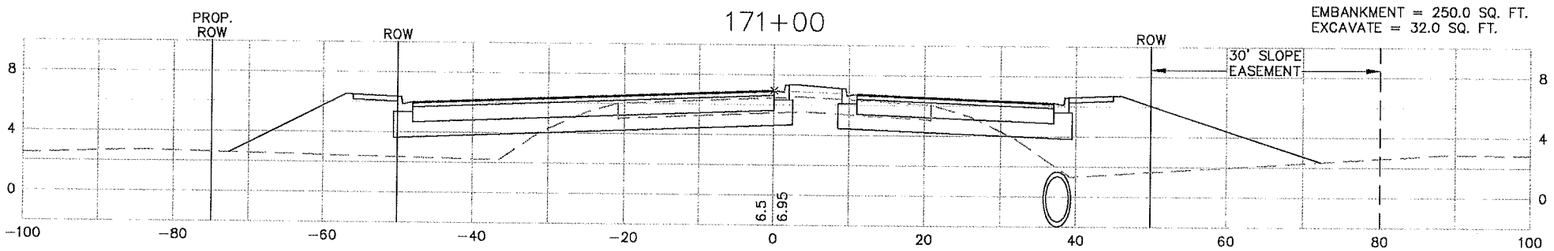
CROSS SECTIONS – GLADIOLUS DRIVE

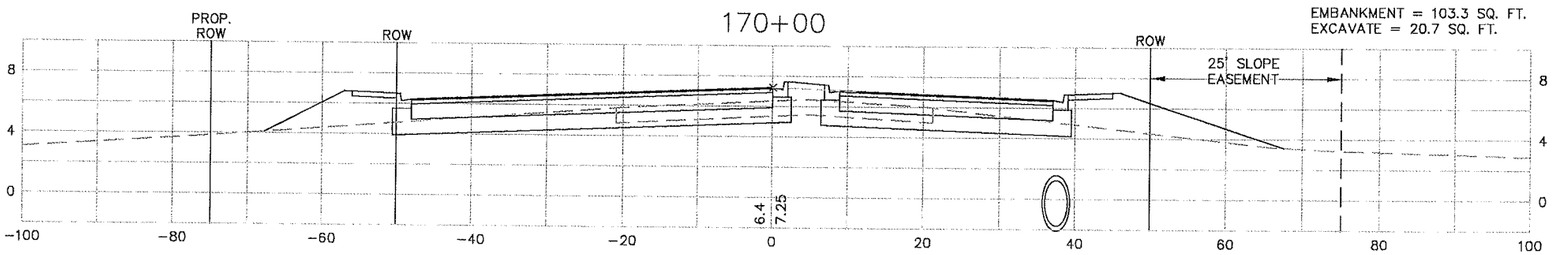
SHEET 118 of 207 SHEETS











CNLand Projects 2005\02009-2\dwg\020091605.dwg 11/9/2007 3:59:20 PM EST

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091605		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901
www.lee-county.com/publicworks/dotitle.htm

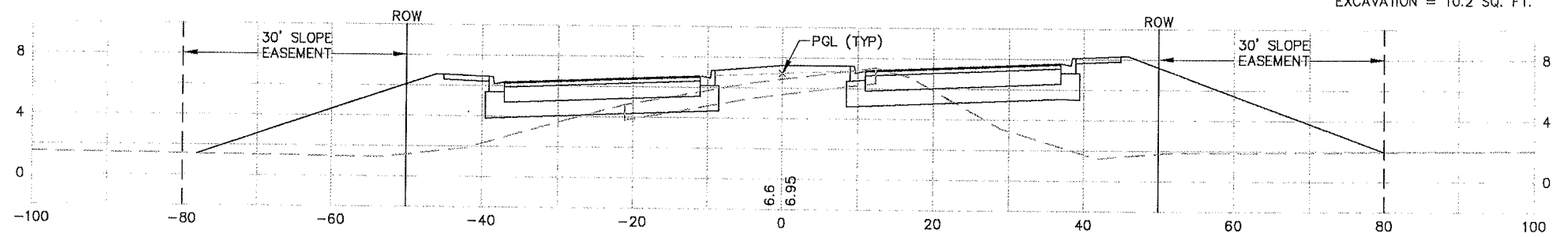
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 119 of 207 SHEETS

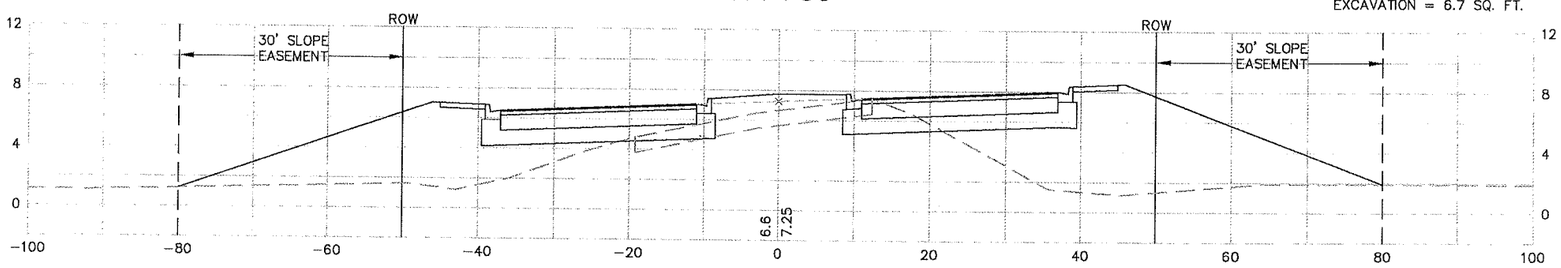
178+00

EMBANKMENT = 396.5 SQ. FT.
EXCAVATION = 10.2 SQ. FT.



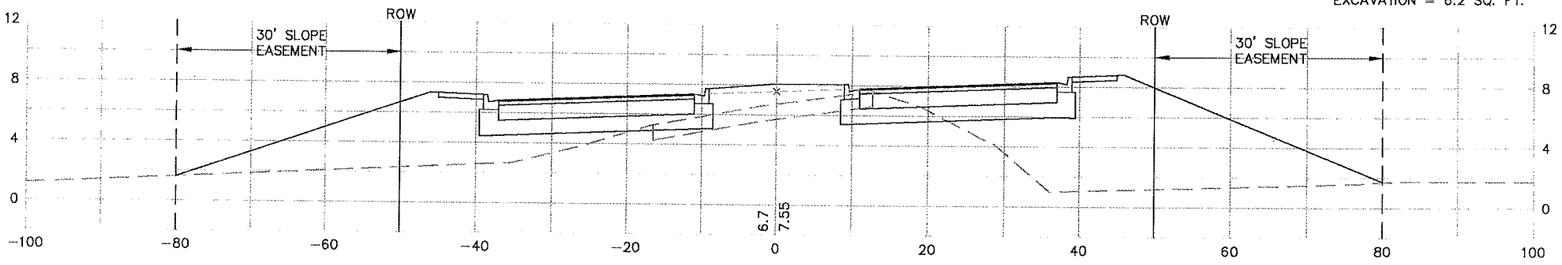
177+00

EMBANKMENT = 456.2 SQ. FT.
EXCAVATION = 6.7 SQ. FT.



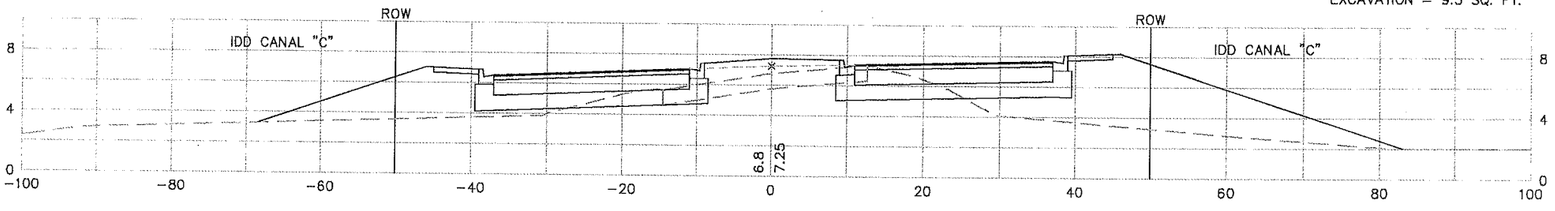
176+00

EMBANKMENT = 461.8 SQ. FT.
EXCAVATION = 6.2 SQ. FT.



175+00

EMBANKMENT = 276.7 SQ. FT.
EXCAVATION = 9.5 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091606.dwg 11/9/2007 4:03:18 PM EST

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091606		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

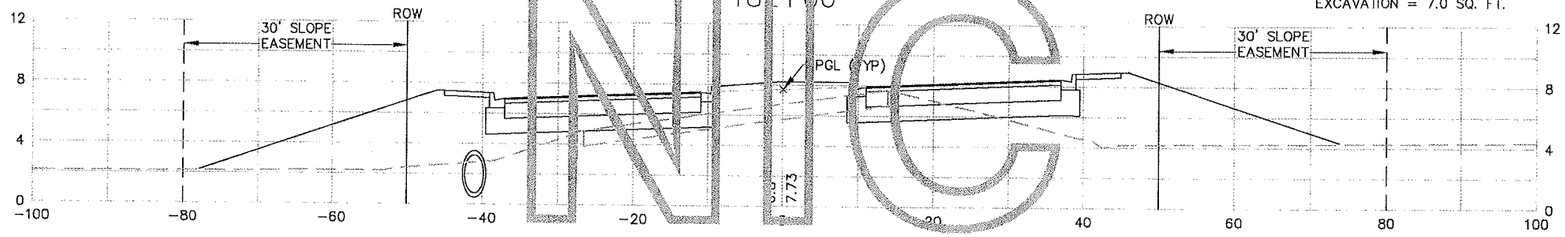
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS -- GLADIOLUS DRIVE

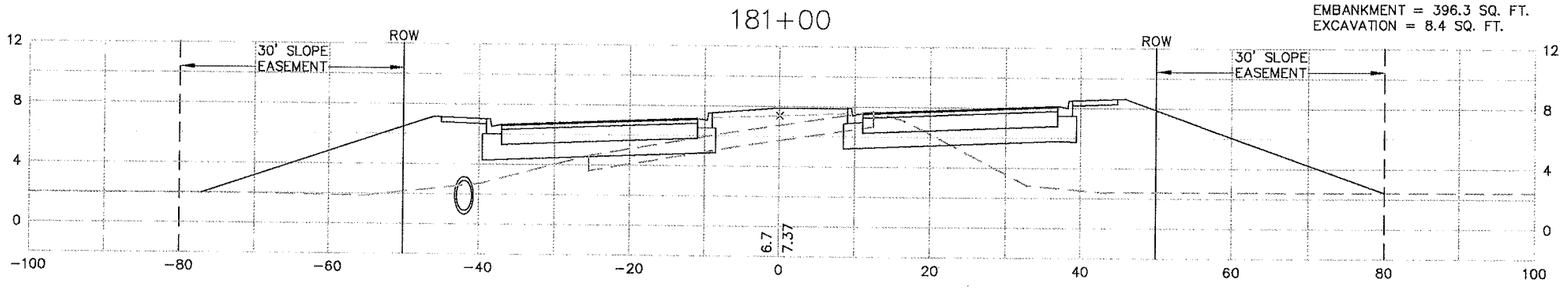
SHEET 120 of 207 SHEETS

NIC

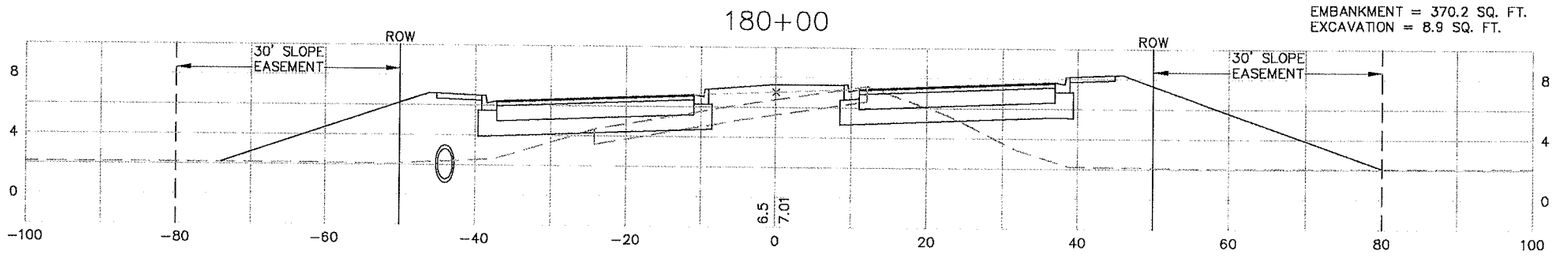
182+00



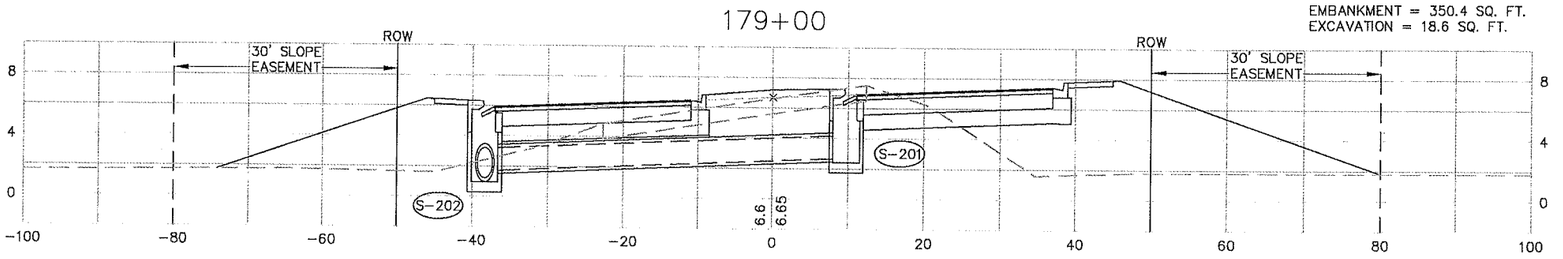
181+00



180+00



179+00



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091607		1"=10' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST FLORIDA
1500 MONROE STREET
(941) 479-8900

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

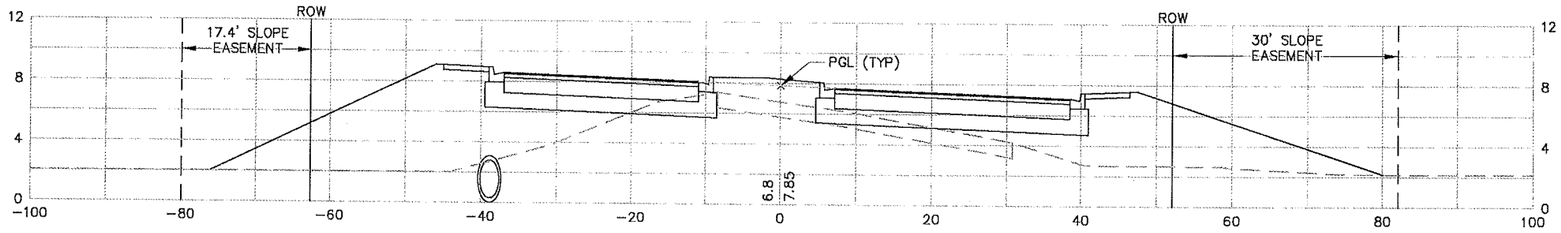
CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 121 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091607.dwg 11/9/2007 4:05:23 PM EST

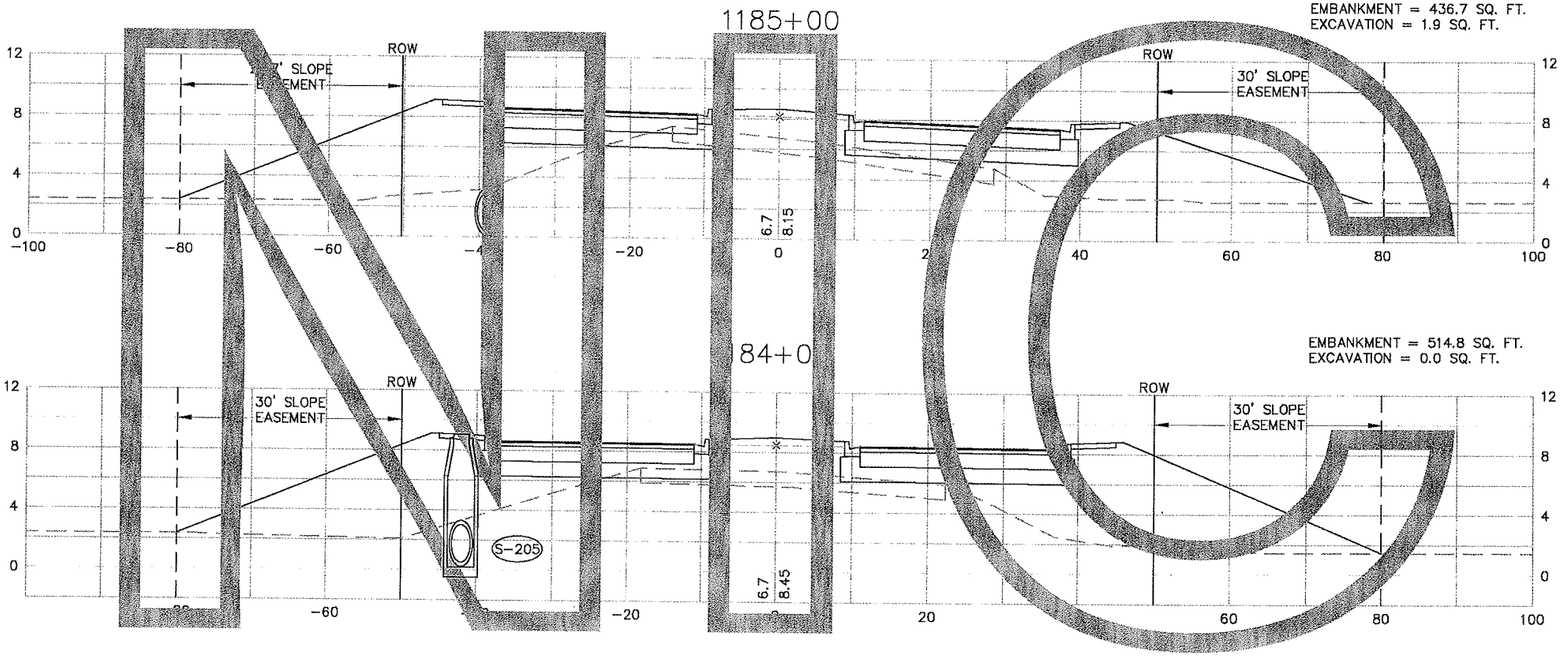
1186+00

EMBANKMENT = 427.5 SQ. FT.
EXCAVATION = 0.9 SQ. FT.



1185+00

EMBANKMENT = 436.7 SQ. FT.
EXCAVATION = 1.9 SQ. FT.

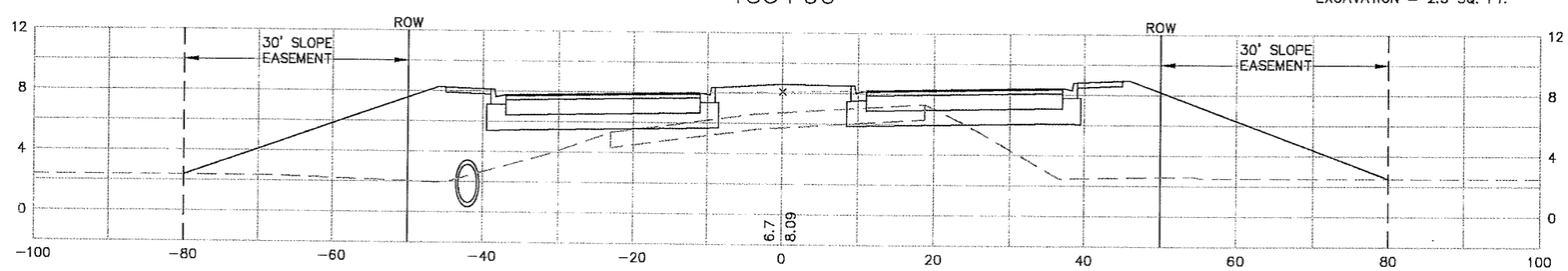


84+0

EMBANKMENT = 514.8 SQ. FT.
EXCAVATION = 0.0 SQ. FT.

183+00

EMBANKMENT = 473.0 SQ. FT.
EXCAVATION = 2.5 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091608.dwg 11/13/2007 8:41:26 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091608		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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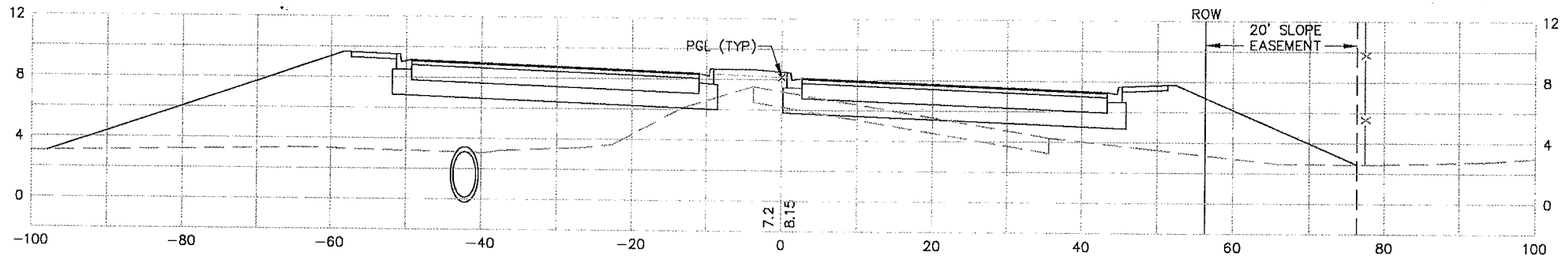
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 122 of 207 SHEETS

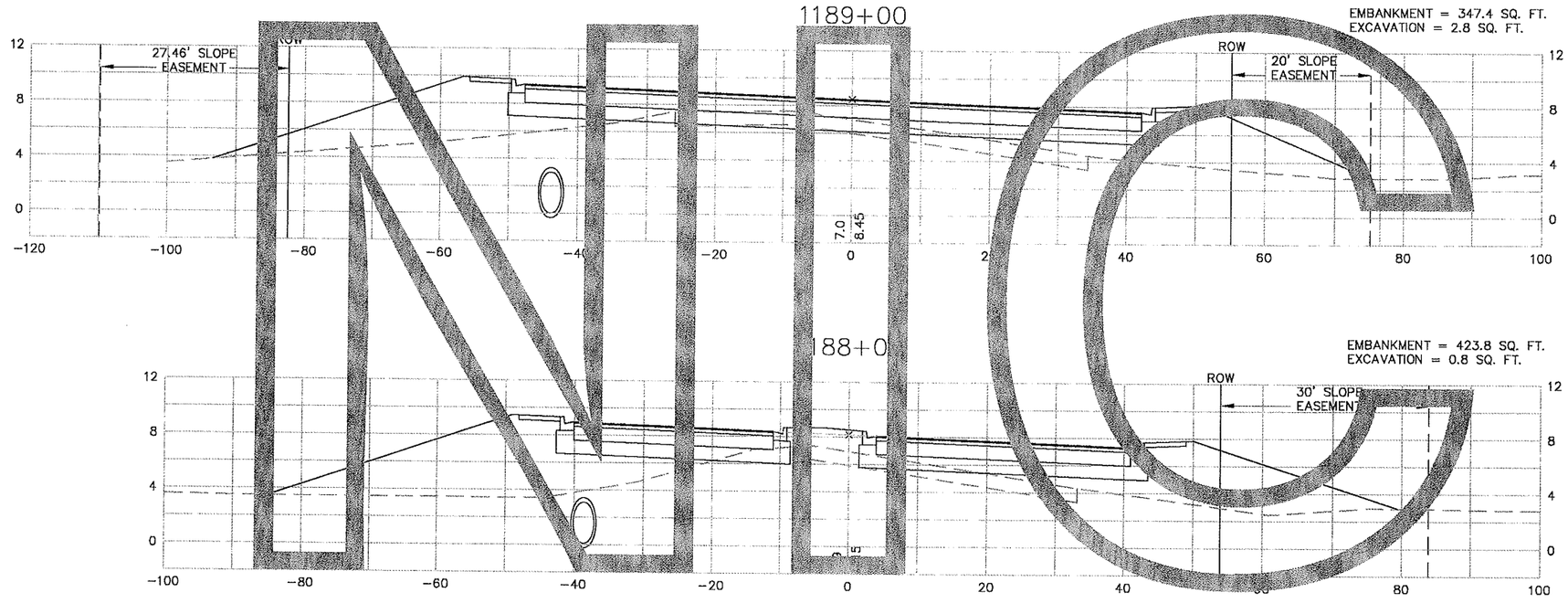
1190+00

EMBANKMENT = 503.2 SQ. FT.
EXCAVATION = 0.4 SQ. FT.



1189+00

EMBANKMENT = 347.4 SQ. FT.
EXCAVATION = 2.8 SQ. FT.

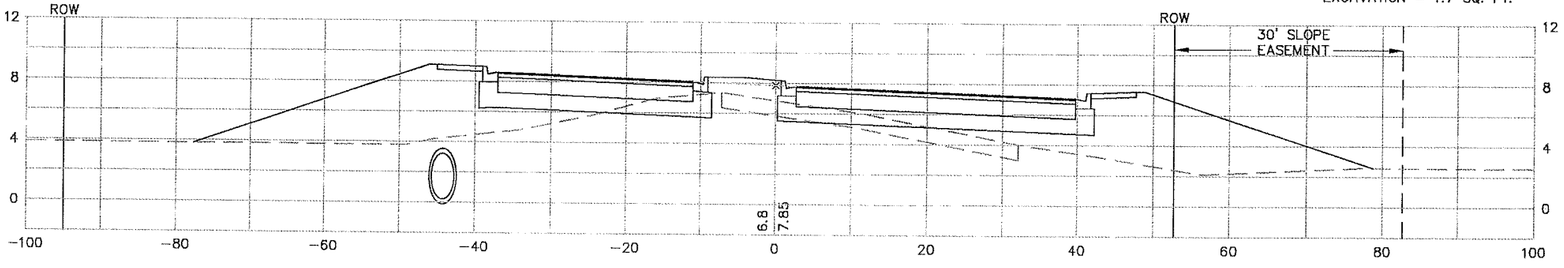


1188+00

EMBANKMENT = 423.8 SQ. FT.
EXCAVATION = 0.8 SQ. FT.

1187+00

EMBANKMENT = 359.0 SQ. FT.
EXCAVATION = 1.7 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091609.dwg 11/13/2007 8:44:30 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091609		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA
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of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

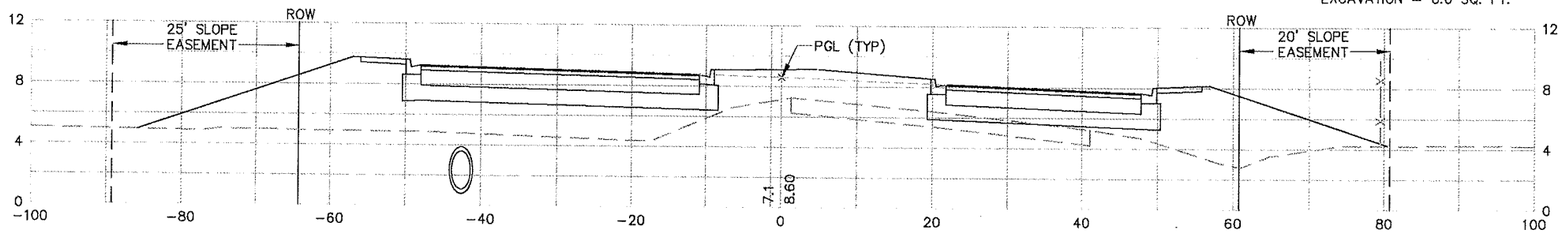
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 123 of 207 SHEETS

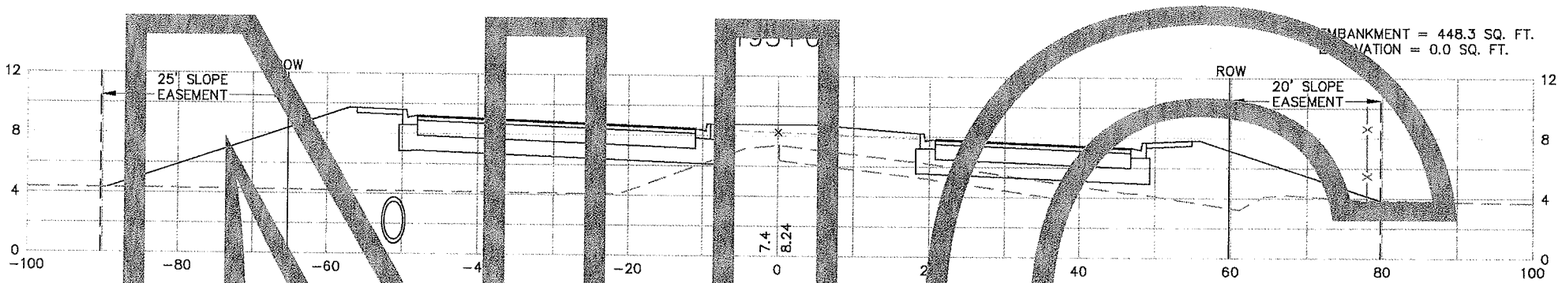
1194+00

EMBANKMENT = 446.8 SQ. FT.
EXCAVATION = 0.0 SQ. FT.

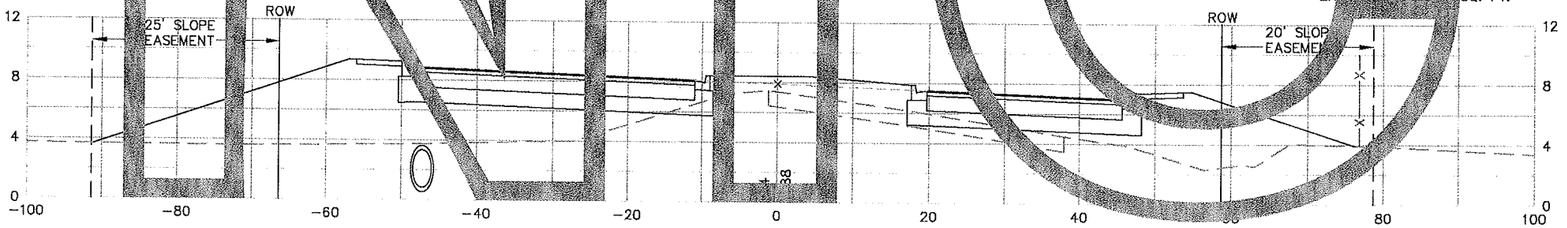


1192+00

EMBANKMENT = 448.3 SQ. FT.
EXCAVATION = 0.0 SQ. FT.

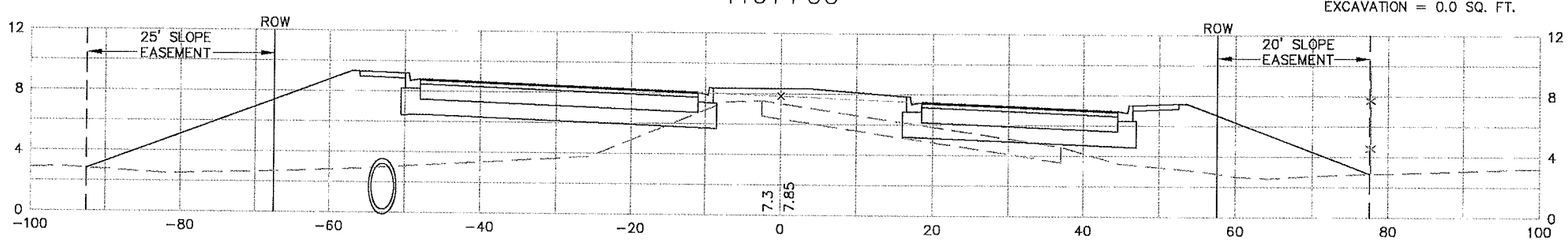


EMBANKMENT = 434.8 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



1191+00

EMBANKMENT = 472.6 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009161O.dwg 11/13/2007 8:46:24 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091610		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900

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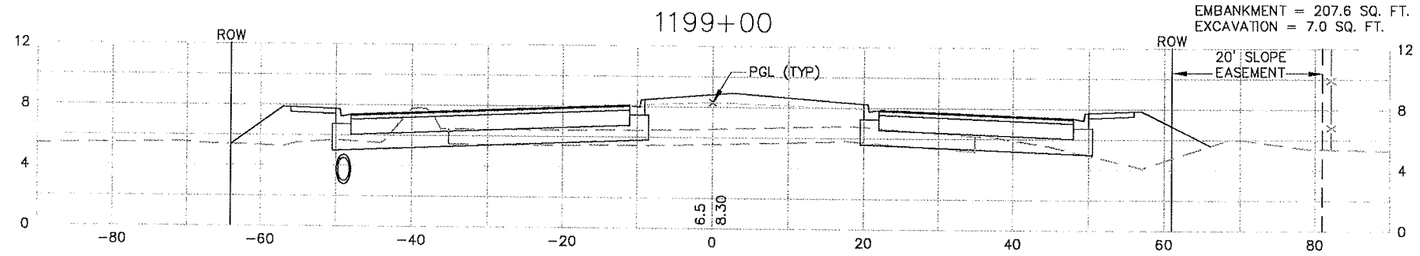
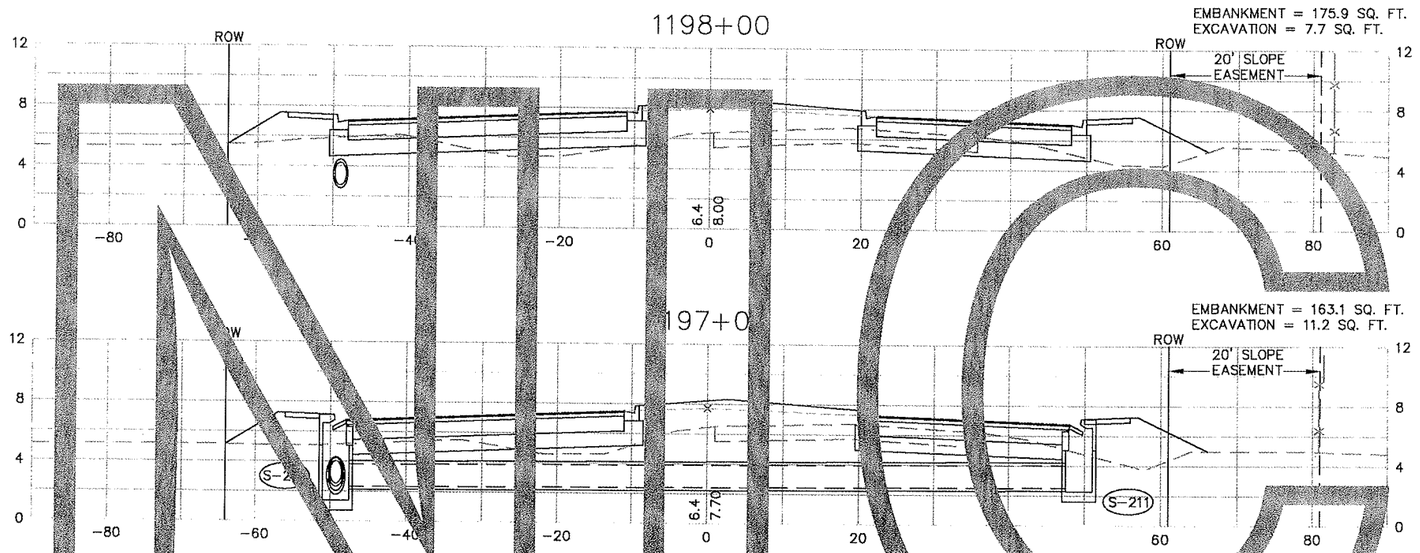
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901
www.lee-county.com/publicworks/dotitle.htm

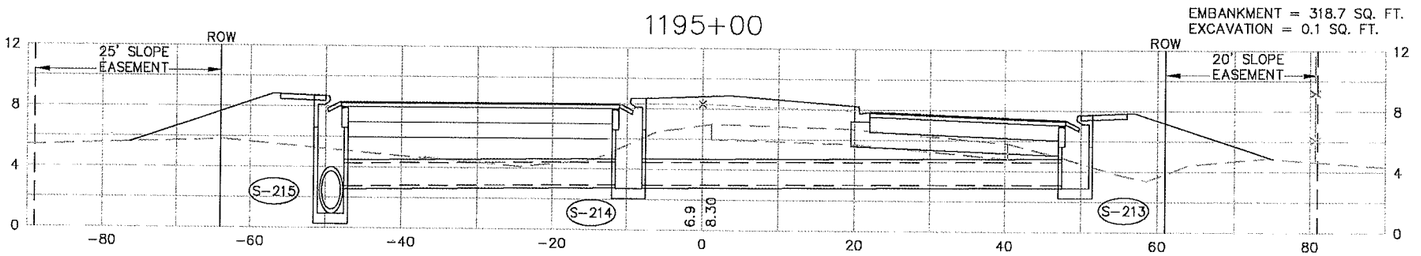
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 124 of 207 SHEETS







CNLand Projects 2005\02005-2\dwg\020091611.dwg 11/13/2007 8:48:14 AM EST

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091611		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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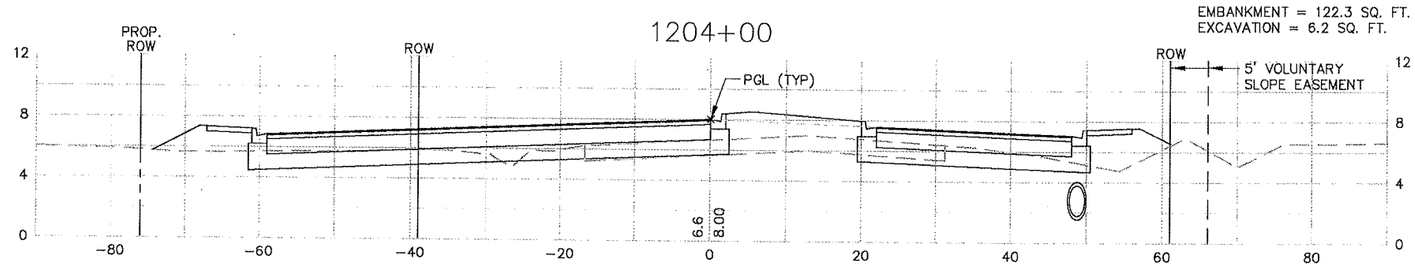
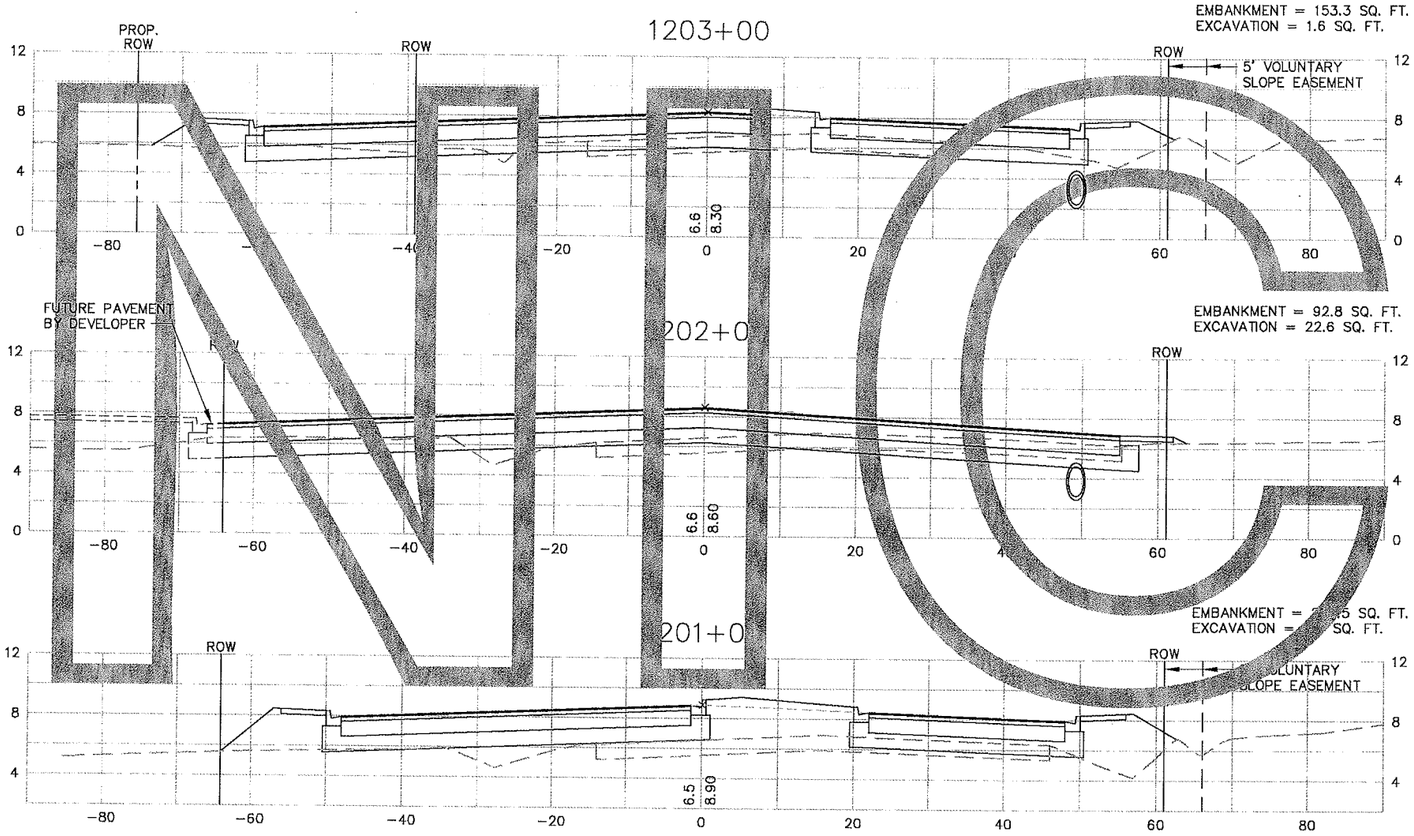
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

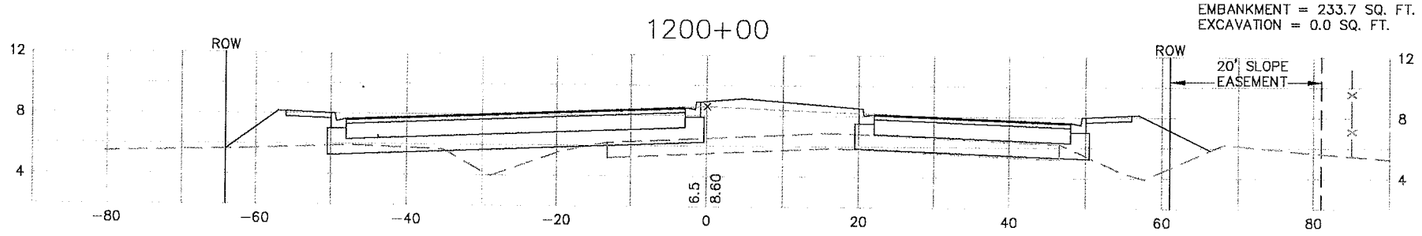
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 125 of 207 SHEETS







GLADIOLUS PRESERVE BLVD.

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091612.dwg 11/13/2007 10:06:40 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091612		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

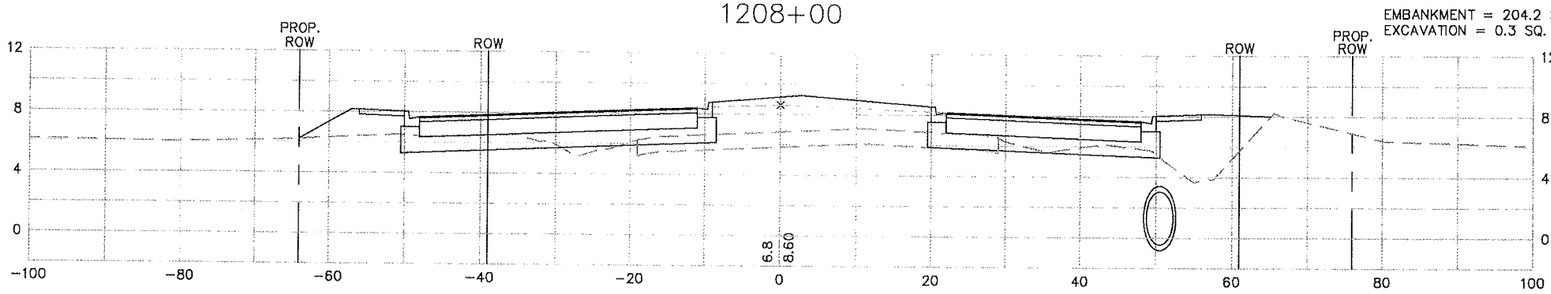
PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dottitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

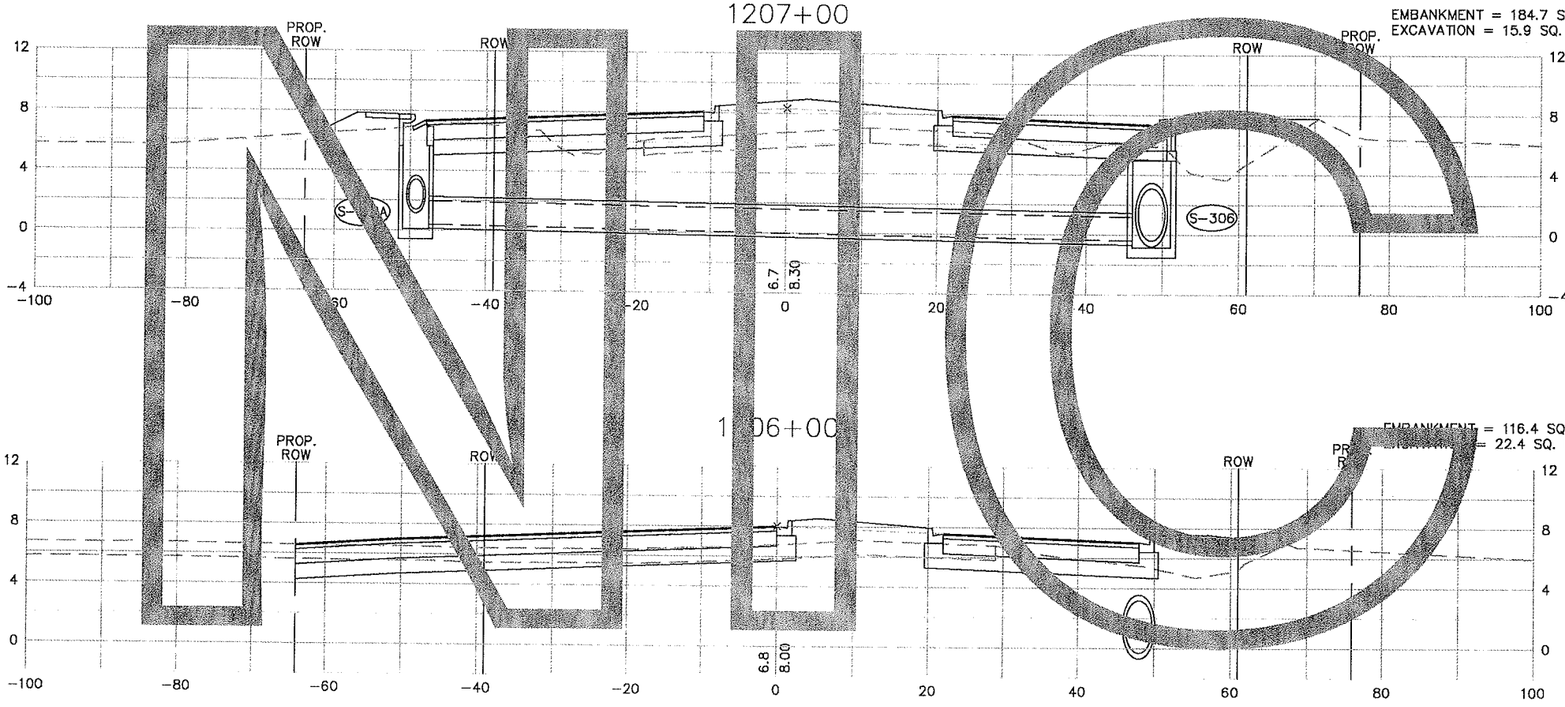
SHEET 126 of 207 SHEETS

1208+00



EMBANKMENT = 204.2 SQ. FT.
EXCAVATION = 0.3 SQ. FT.

1207+00

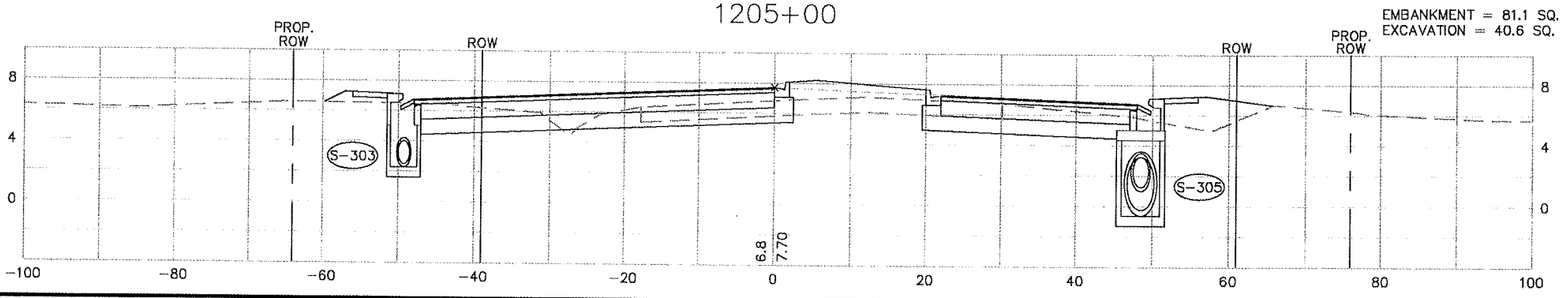


EMBANKMENT = 184.7 SQ. FT.
EXCAVATION = 15.9 SQ. FT.

1206+00

EMBANKMENT = 116.4 SQ. FT.
EXCAVATION = 22.4 SQ. FT.

1205+00



EMBANKMENT = 81.1 SQ. FT.
EXCAVATION = 40.6 SQ. FT.

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091613.dwg 11/1/2007 11:05:53 AM EDT

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091613		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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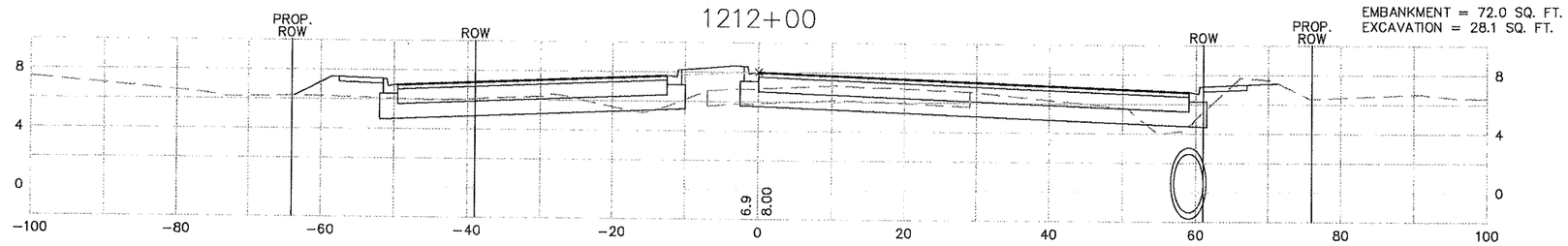
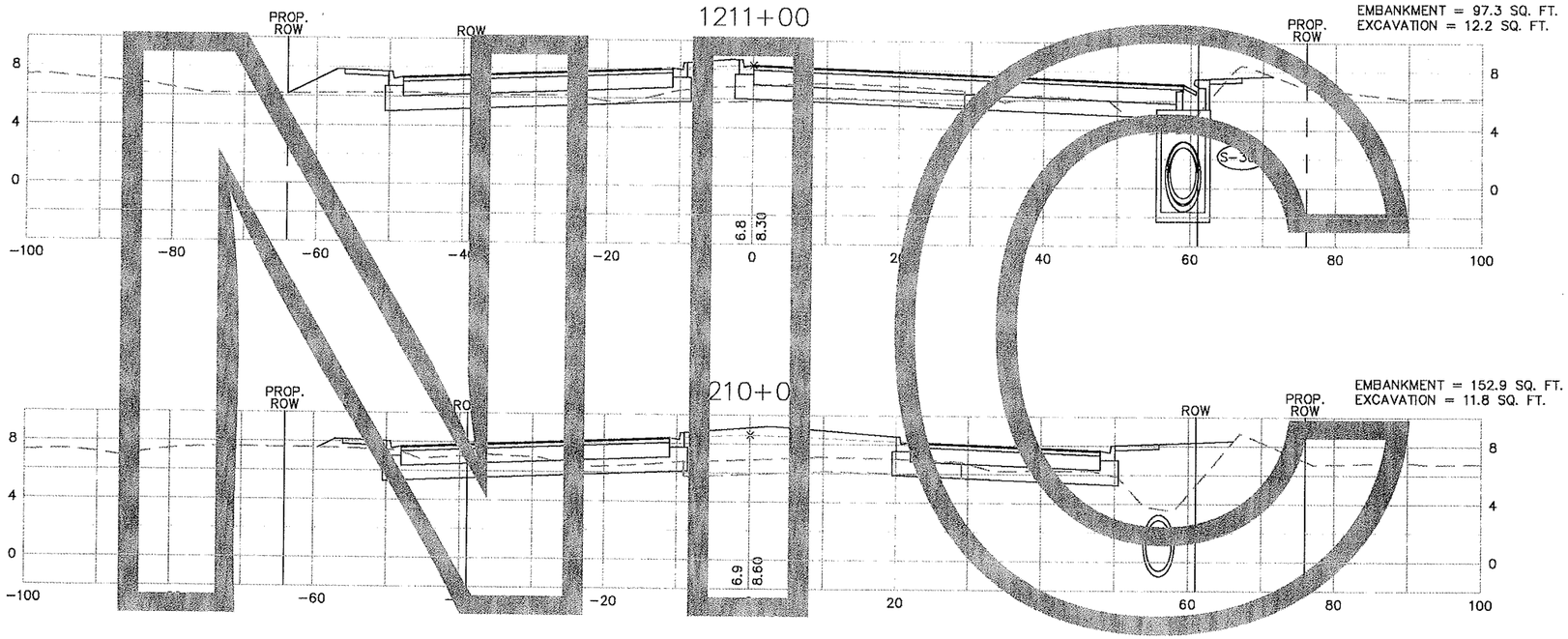
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

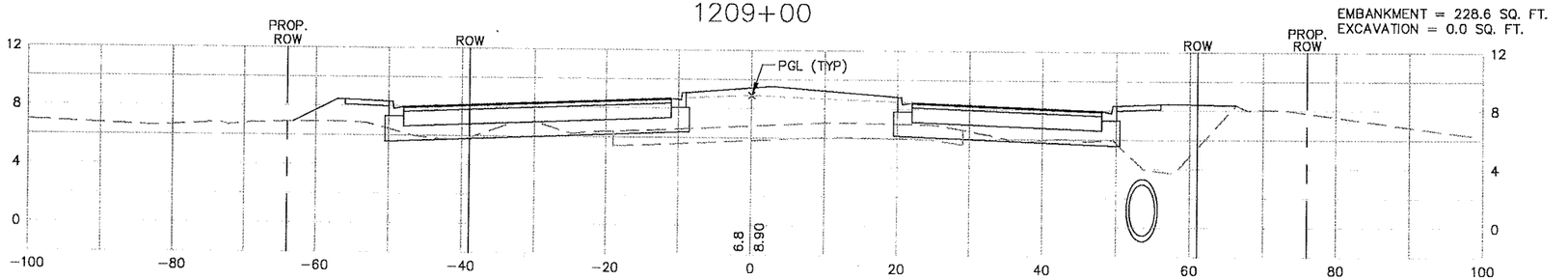
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 127 of 207 SHEETS







JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091614		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

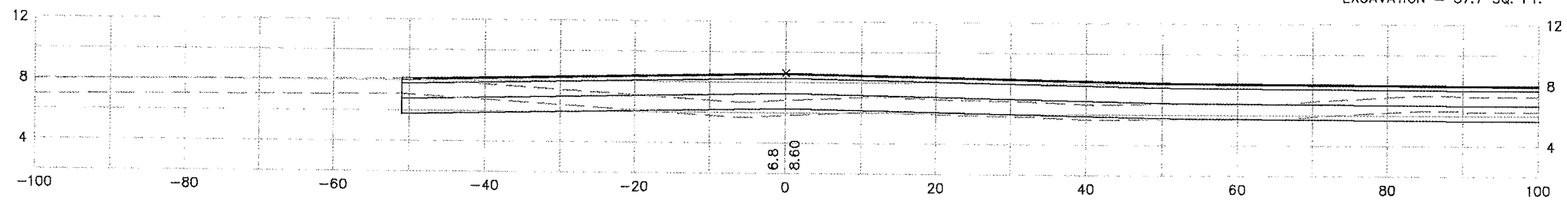
SHEET 128 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091614.dwg 11/13/2007 10:14:51 AM EST

BASS RD.

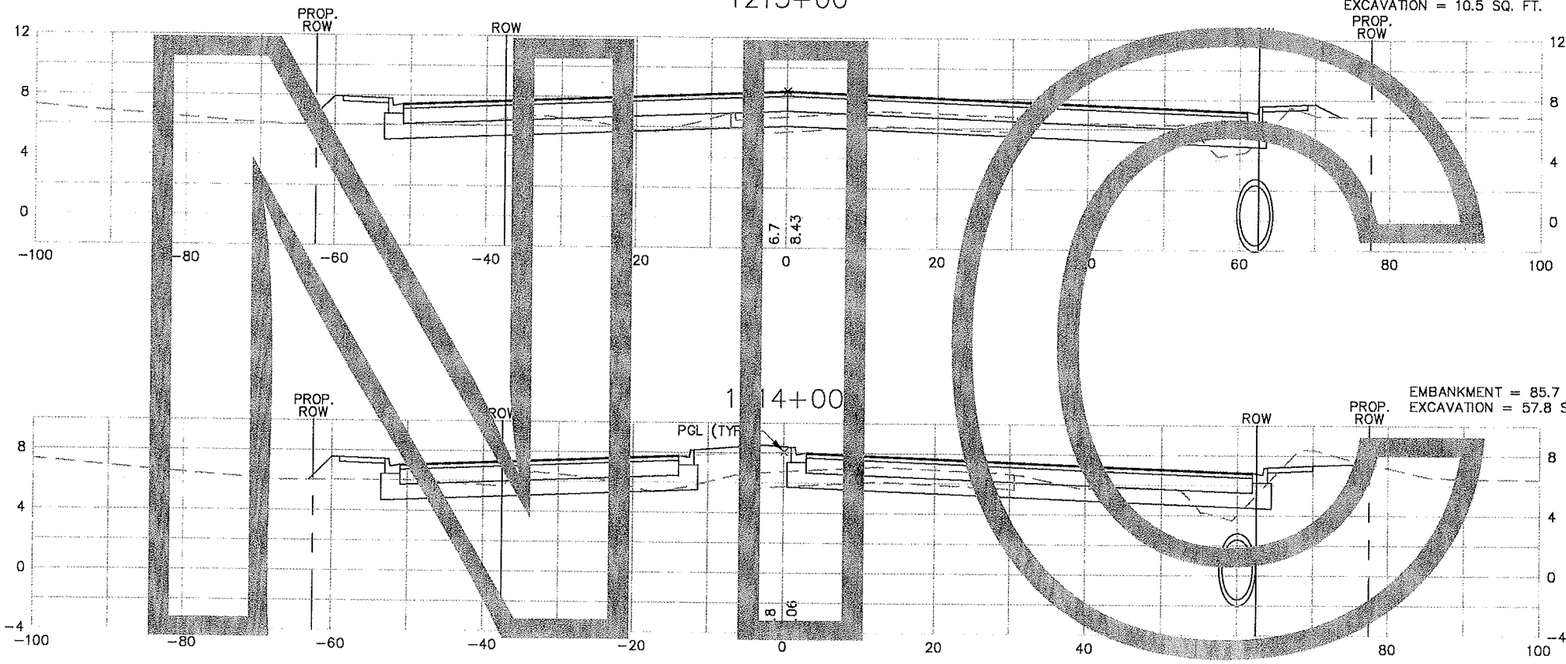
1216+00

EMBANKMENT = 113.1 SQ. FT.
EXCAVATION = 37.7 SQ. FT.



1215+00

EMBANKMENT = 86.7 SQ. FT.
EXCAVATION = 10.5 SQ. FT.

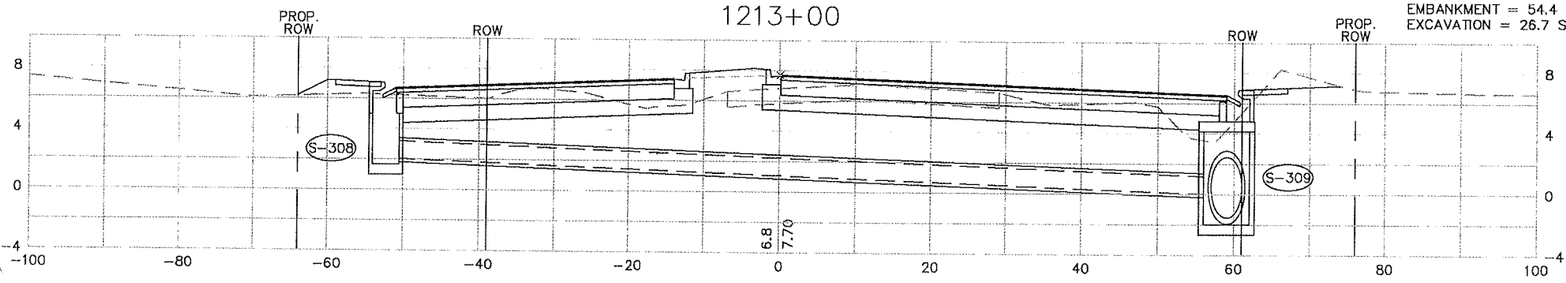


1214+00

EMBANKMENT = 85.7 SQ. FT.
EXCAVATION = 57.8 SQ. FT.

1213+00

EMBANKMENT = 54.4 SQ. FT.
EXCAVATION = 26.7 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091615.dwg 11/13/2007 10:27:08 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091615		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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DEPARTMENT
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TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
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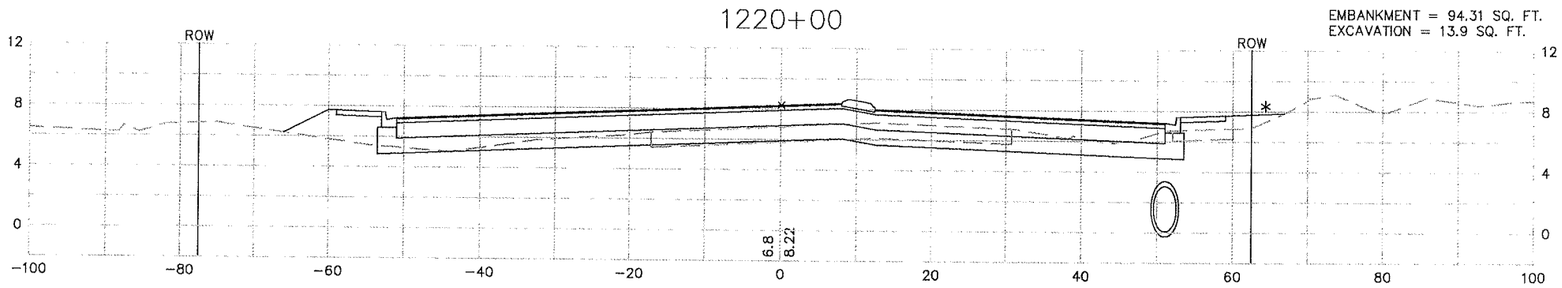
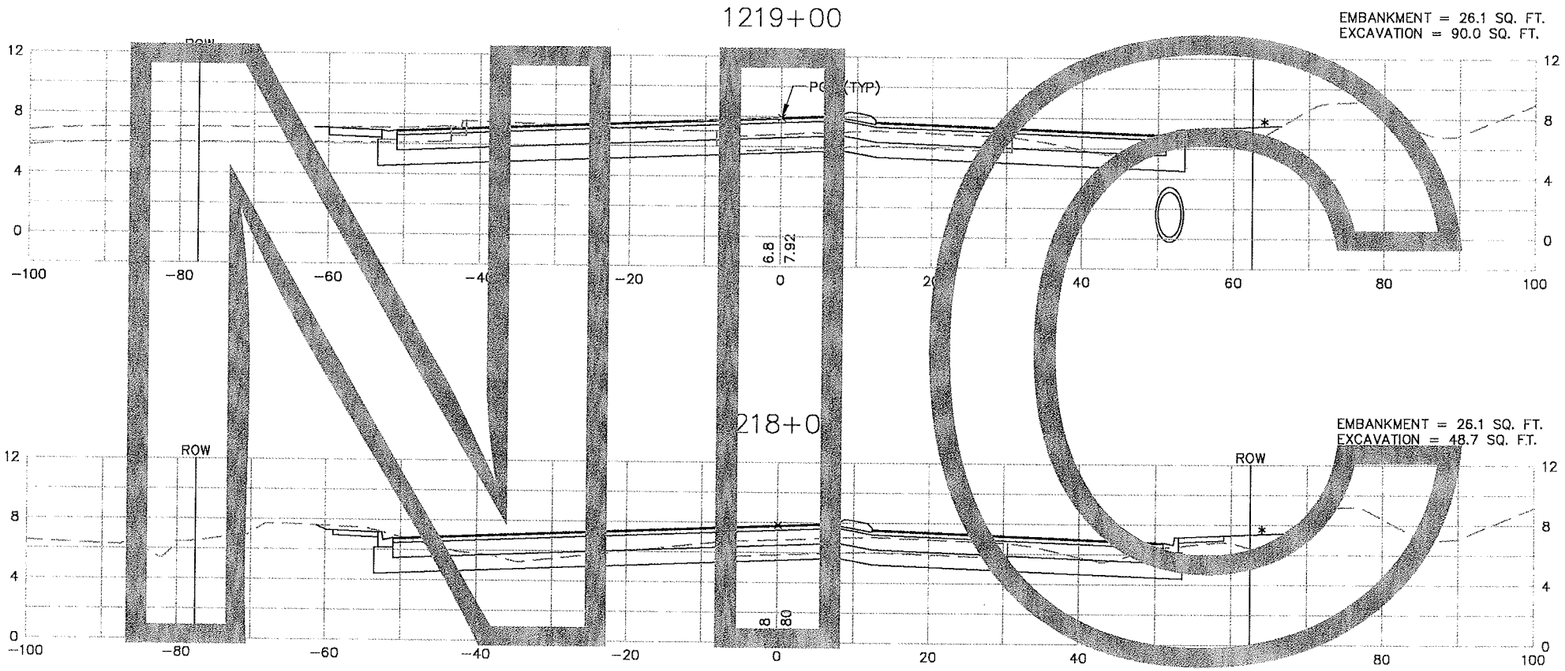
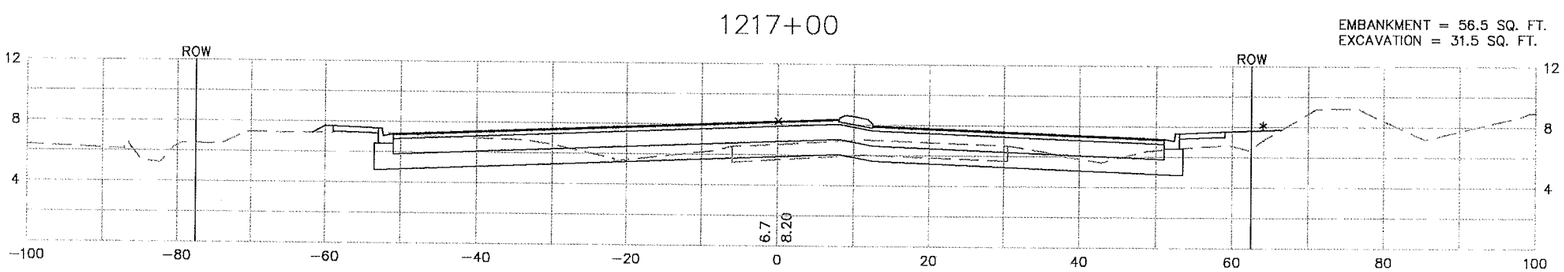
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 129 of 207 SHEETS







PARKER PLAZA

* REGRADE TO SUIT PROPERTY OWNER

JAN 0 8 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091616.dwg 11/13/2007 10:31:13 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091616		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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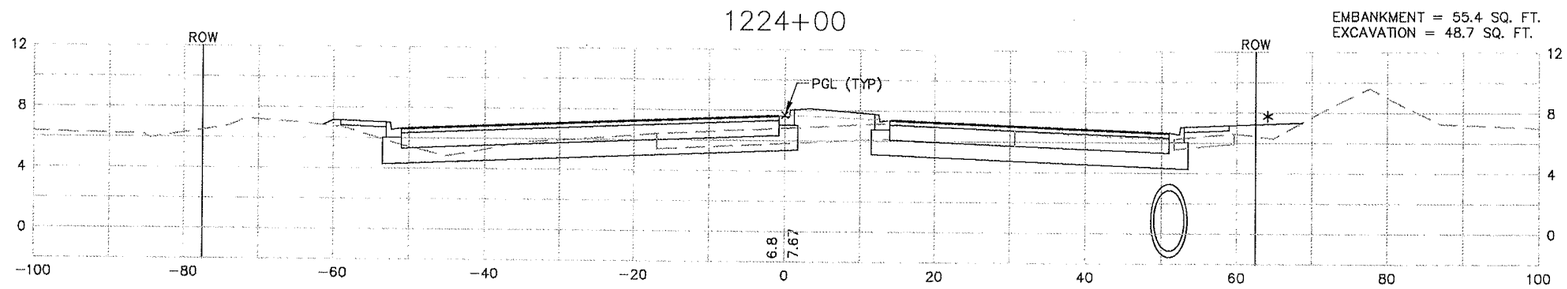
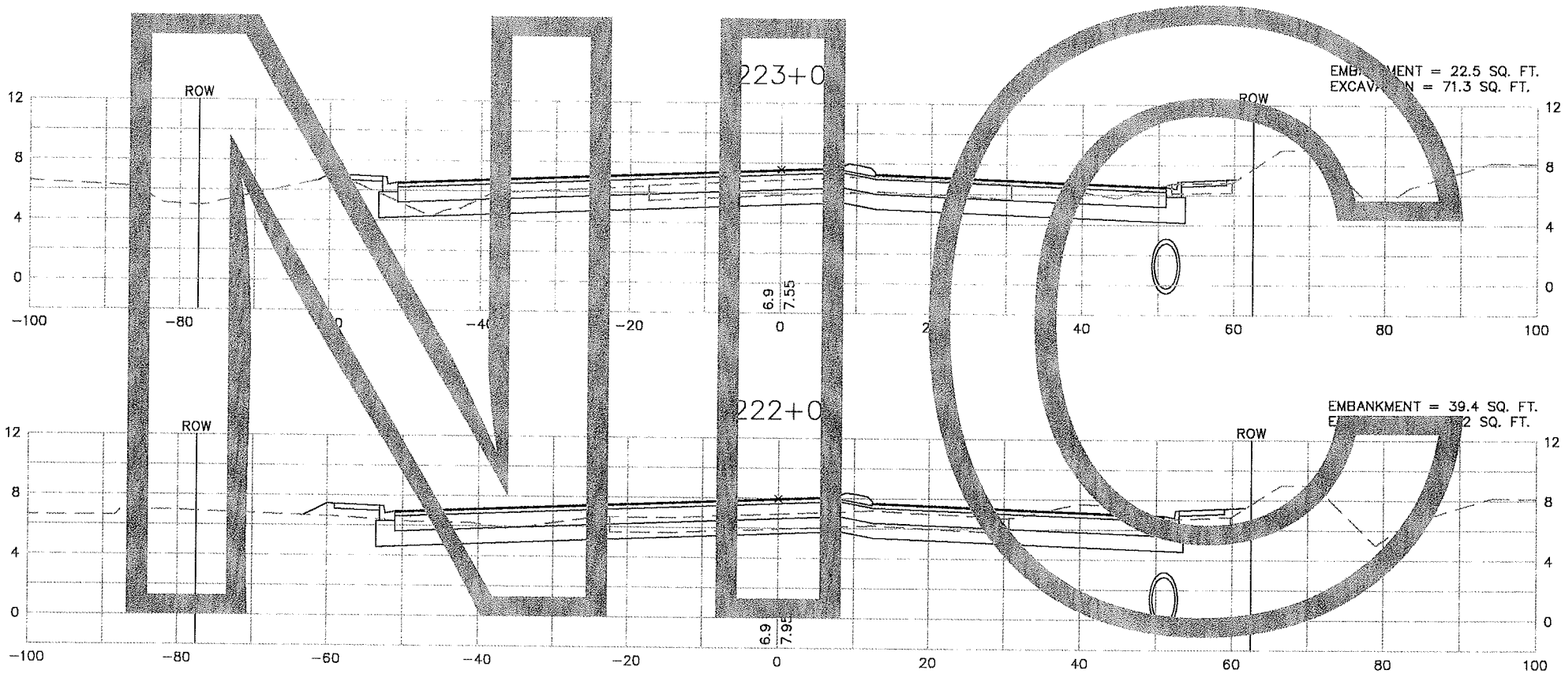
FORT MYERS, FLORIDA 33901

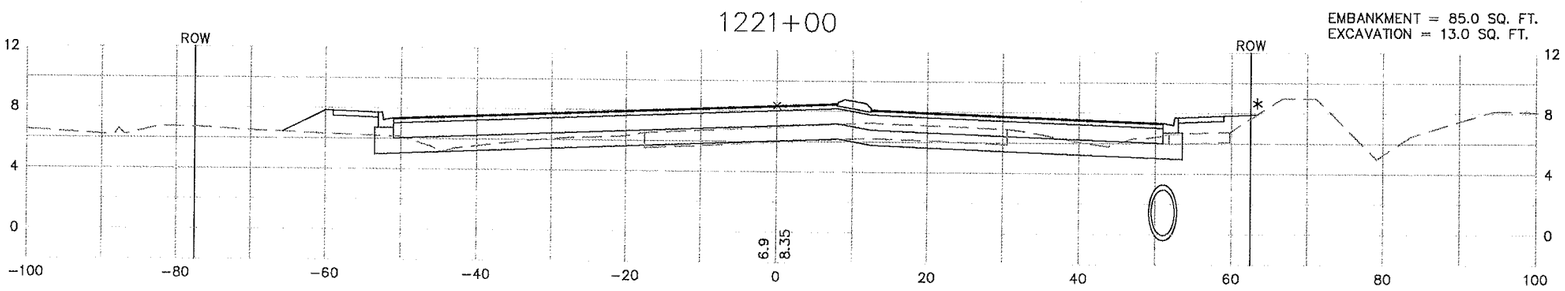
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS - GLADIOLUS DRIVE

SHEET 130 of 207 SHEETS







* REGRADE TO SUIT PROPERTY OWNER

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091633.dwg 11/13/2007 11:19:04 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091633		1"=10' (11"x17")

APPROVED BY: _____

PROFESSIONAL ENGINEER
FLORIDA PE NO. _____

DATE: _____

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of
TRANSPORTATION

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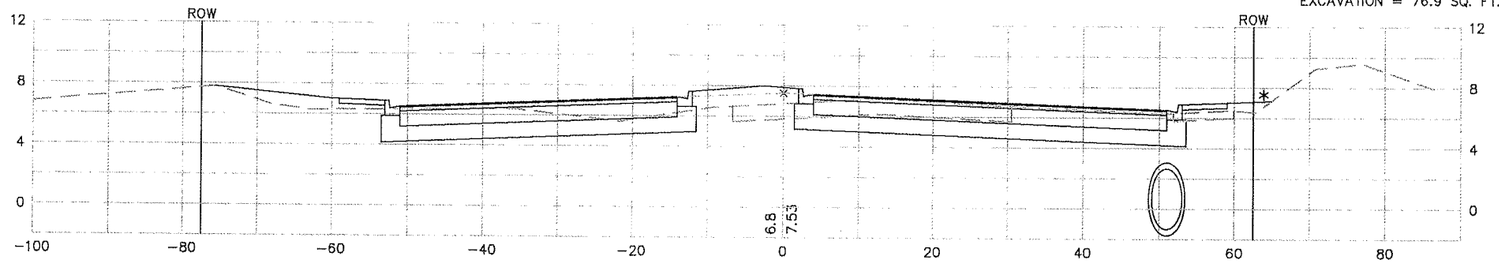
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 131 of 207 SHEETS

1228+00

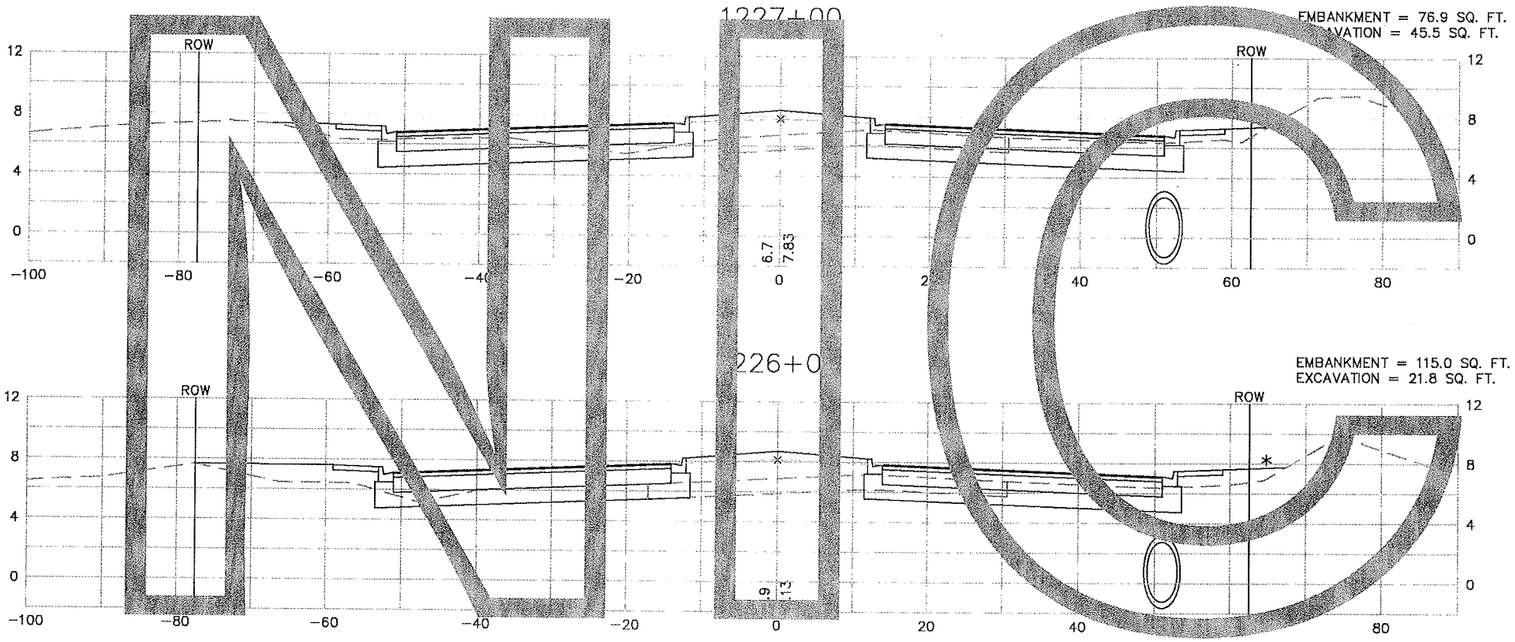
EMBANKMENT = 47.8 SQ. FT.
EXCAVATION = 76.9 SQ. FT.



* REGRADE TO SUIT PROPERTY OWNER

1227+00

EMBANKMENT = 76.9 SQ. FT.
EXCAVATION = 45.5 SQ. FT.

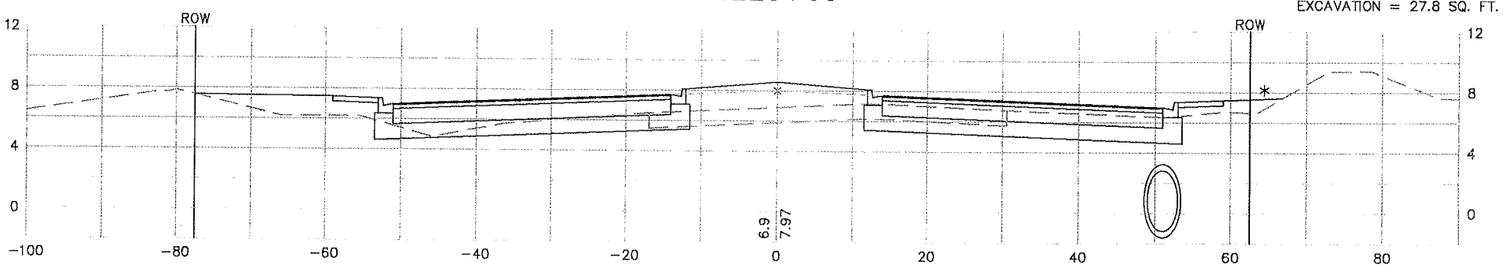


1226+00

EMBANKMENT = 115.0 SQ. FT.
EXCAVATION = 21.8 SQ. FT.

1225+00

EMBANKMENT = 111.6 SQ. FT.
EXCAVATION = 27.8 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091617.dwg 11/13/2007 10:32:27 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07	1"=20' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091617	1"=10' (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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DEPARTMENT
of
TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

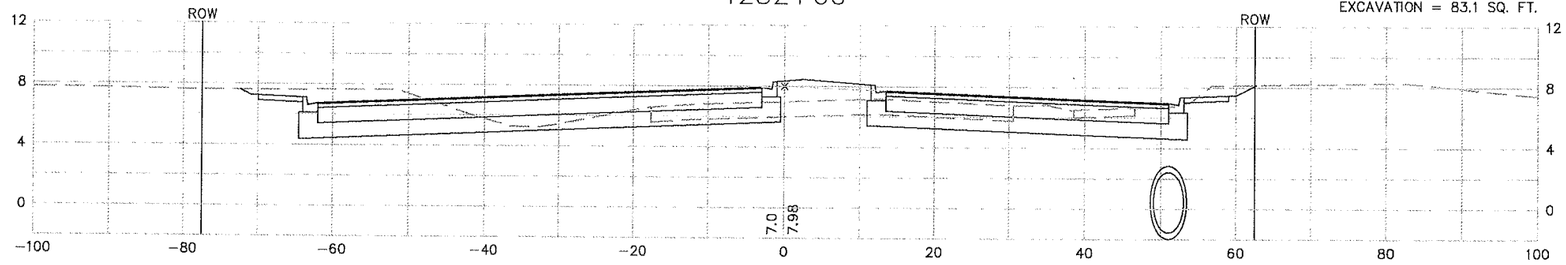
SHEET 132 of 207 SHEETS

PARKER LAKES ENTRANCE

LAKES OF LAGUNA BLVD.

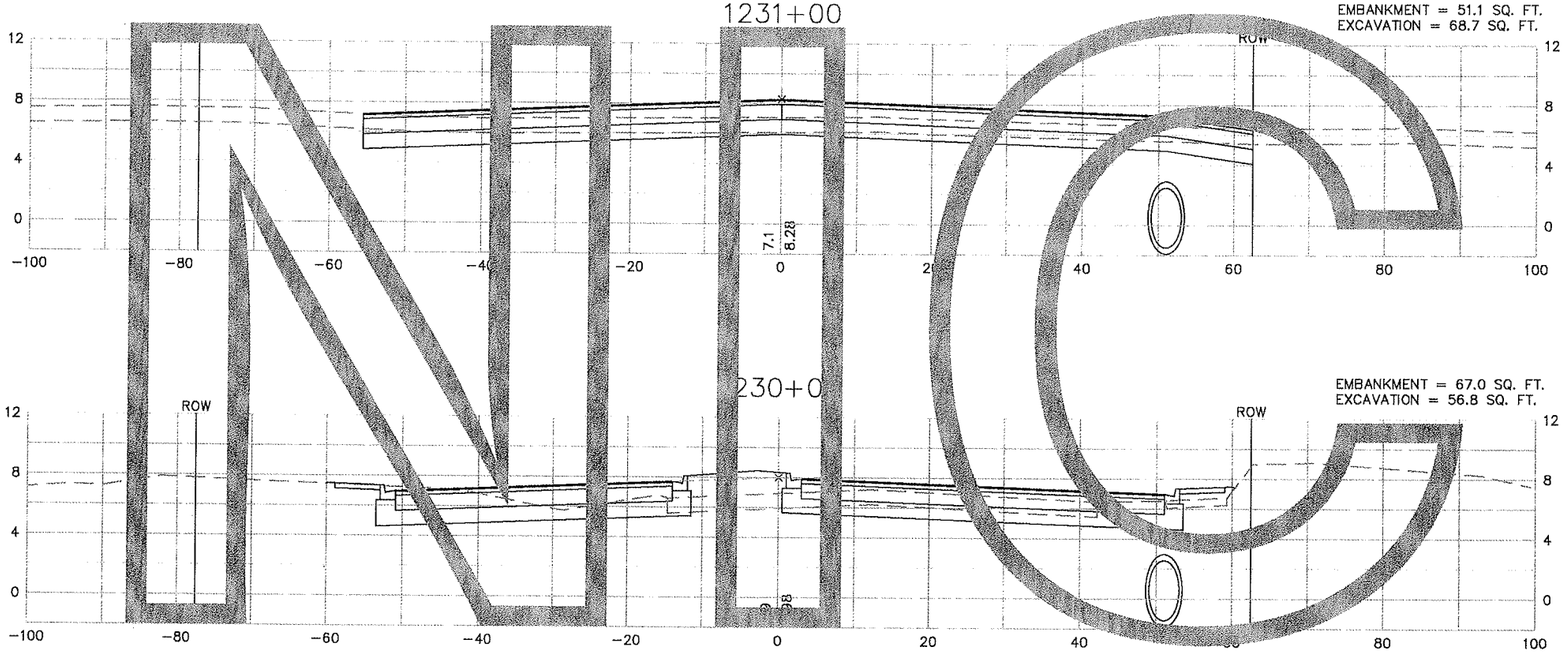
1232+00

EMBANKMENT = 55.0 SQ. FT.
EXCAVATION = 83.1 SQ. FT.



1231+00

EMBANKMENT = 51.1 SQ. FT.
EXCAVATION = 68.7 SQ. FT.

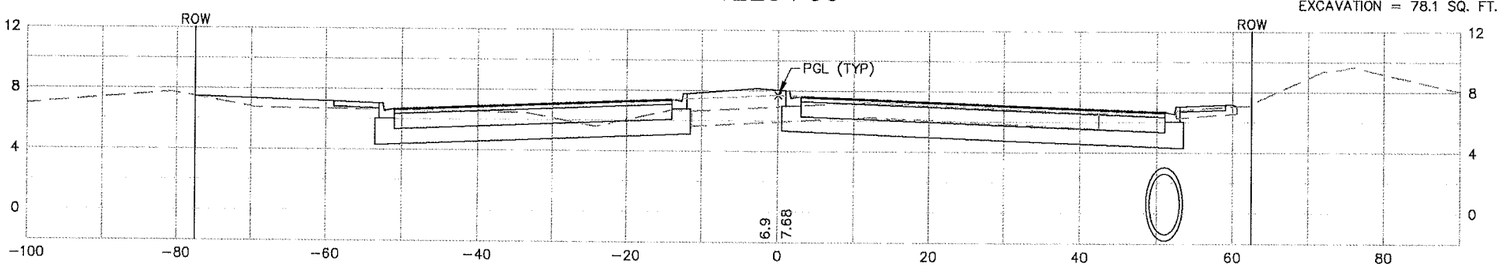


1230+00

EMBANKMENT = 67.0 SQ. FT.
EXCAVATION = 56.8 SQ. FT.

1229+00

EMBANKMENT = 44.2 SQ. FT.
EXCAVATION = 78.1 SQ. FT.



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091618		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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TRANSPORTATION

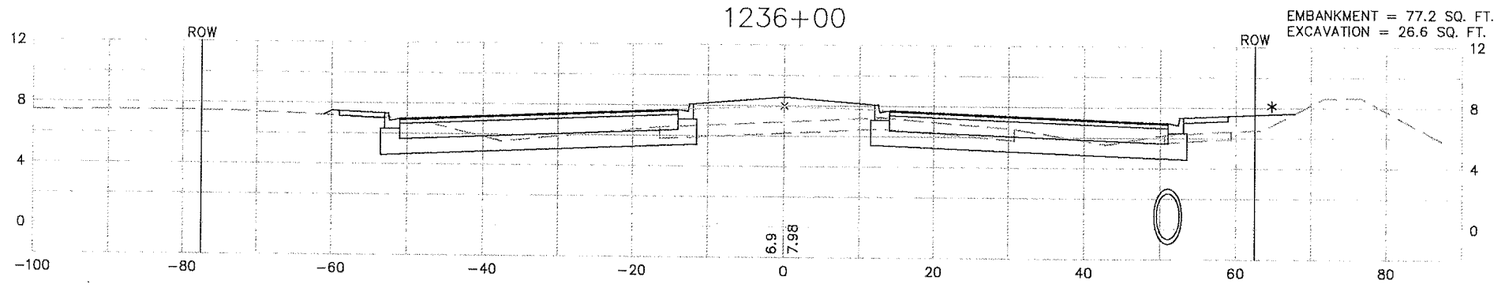
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

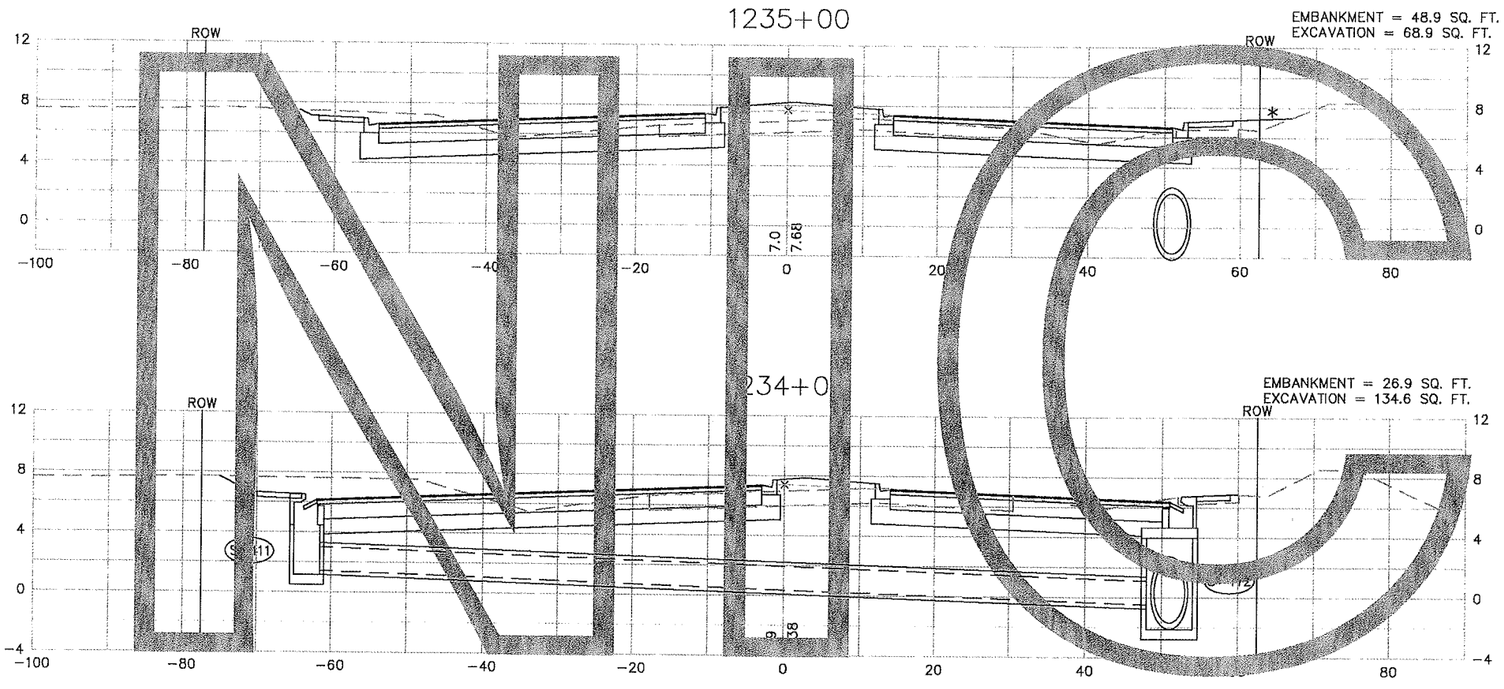
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

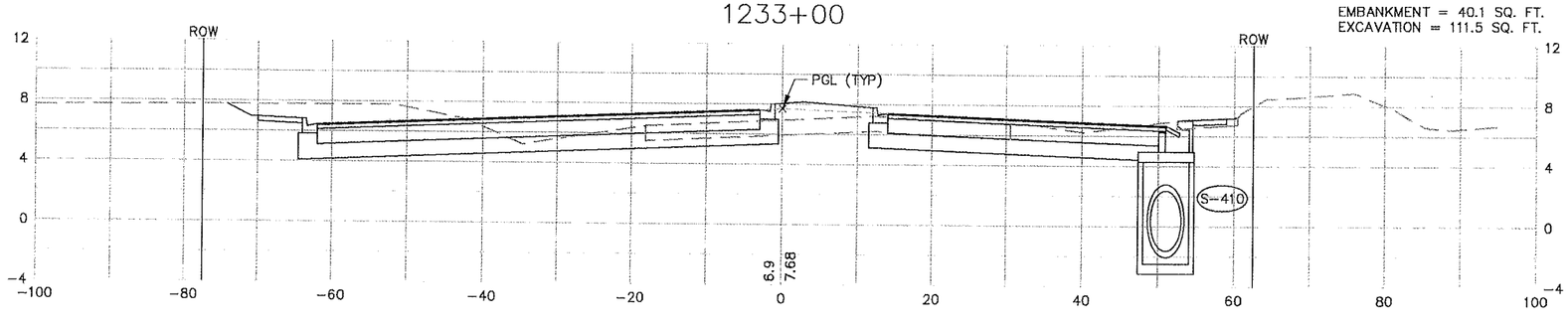
CROSS SECTIONS -- GLADIOLUS DRIVE

SHEET 133 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\02009161B.dwg 11/13/2007 10:41:43 AM EST







JAN 08 2008

C:\Land Projects 2005\02009-2\dwg\020091619.dwg 11/13/2007 10:43:29 AM EST

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091619		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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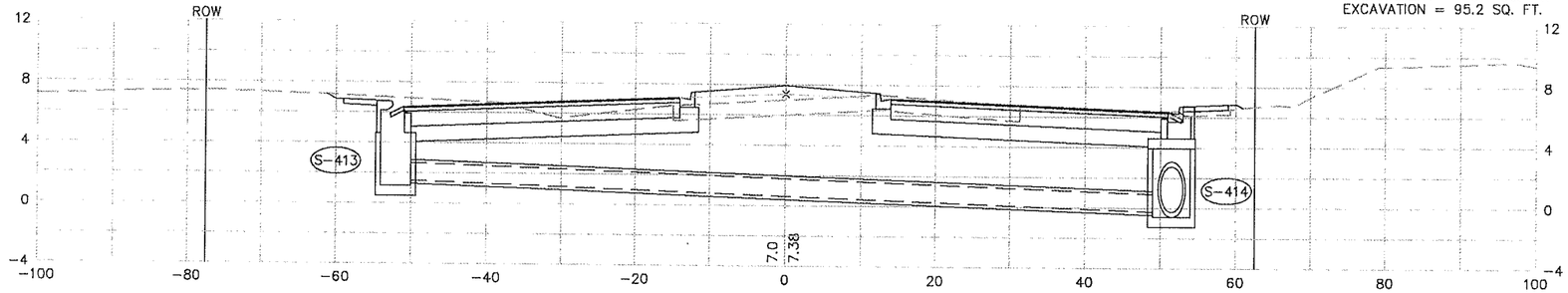
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
CROSS SECTIONS – GLADIOLUS DRIVE

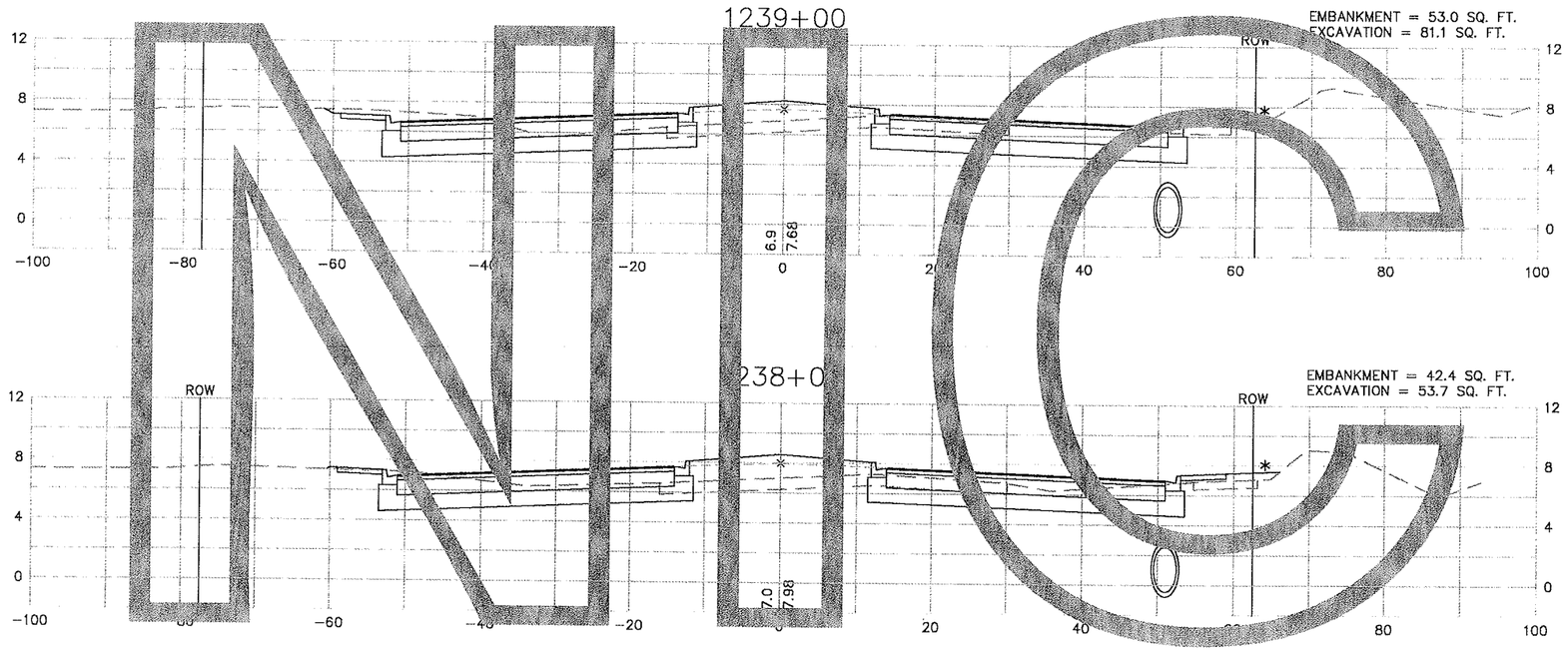
SHEET 134 of 207 SHEETS

1240+00



EMBANKMENT = 45.4 SQ. FT.
EXCAVATION = 95.2 SQ. FT.

1239+00



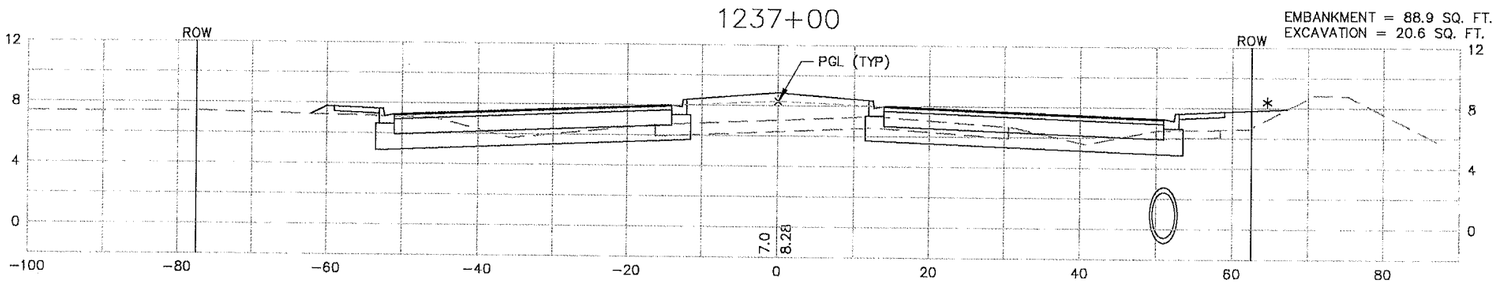
EMBANKMENT = 53.0 SQ. FT.
EXCAVATION = 81.1 SQ. FT.

1238+00

EMBANKMENT = 42.4 SQ. FT.
EXCAVATION = 53.7 SQ. FT.

* REGRADE TO SUIT PROPERTY OWNER

1237+00



EMBANKMENT = 88.9 SQ. FT.
EXCAVATION = 20.6 SQ. FT.

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091620.dwg 11/13/2007 10:45:50 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091620		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA

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1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

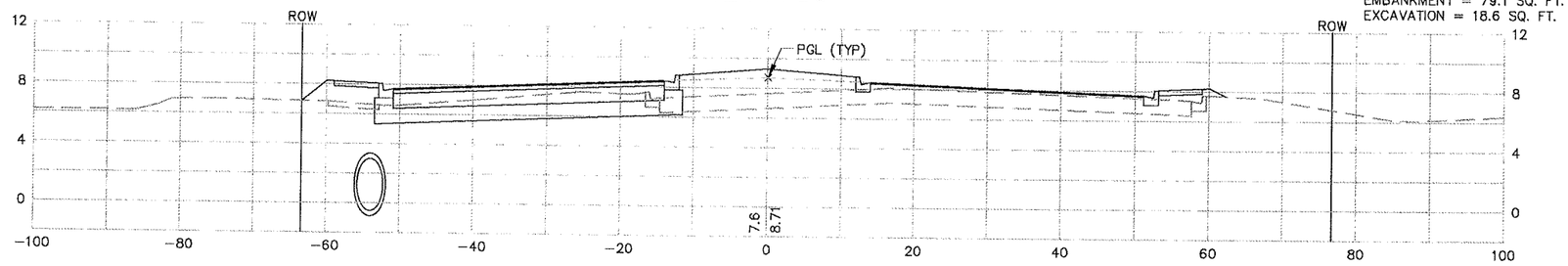
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS - GLADIOLUS DRIVE

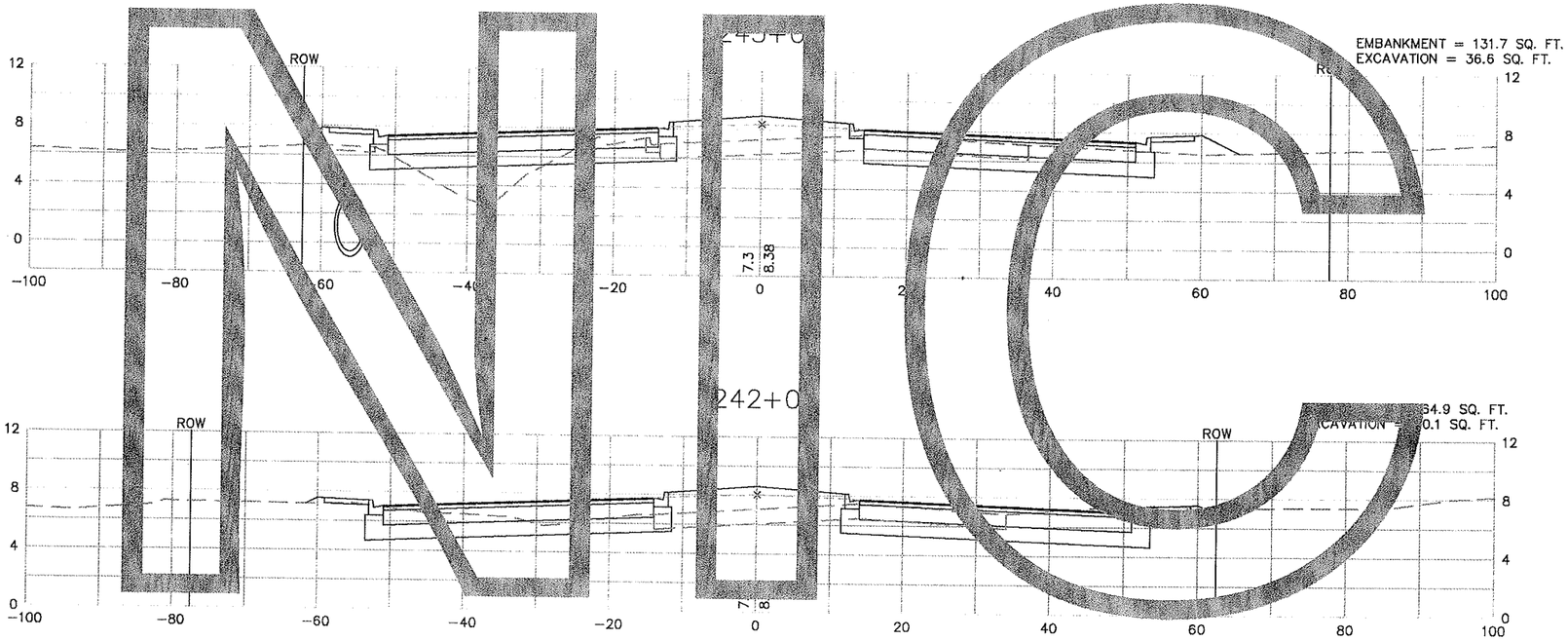
SHEET 135 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091634.dwg 11/13/2007 11:28:41 AM EST

1244+00



EMBANKMENT = 79.1 SQ. FT.
EXCAVATION = 18.6 SQ. FT.

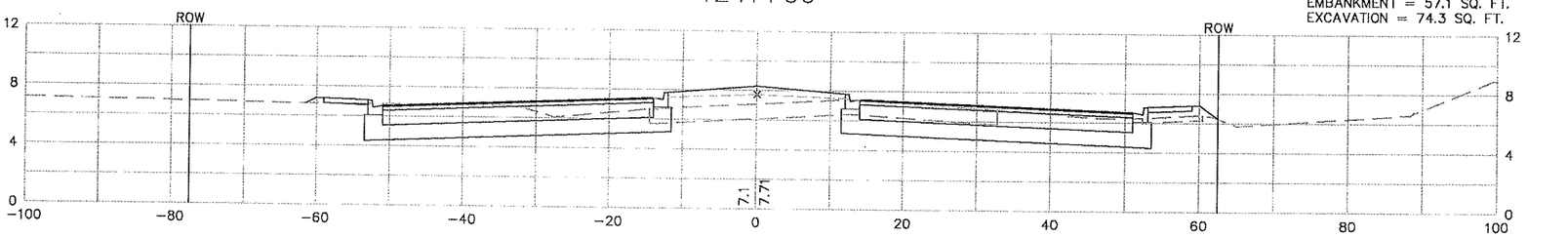


EMBANKMENT = 131.7 SQ. FT.
EXCAVATION = 36.6 SQ. FT.

242+0

54.9 SQ. FT.
0.1 SQ. FT.

1241+00



EMBANKMENT = 57.1 SQ. FT.
EXCAVATION = 74.3 SQ. FT.

JAN 0 8 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091634		1"=10' (11"x17")

APPROVED BY: _____

PROFESSIONAL ENGINEER
FLORIDA PE NO. _____

DATE: _____

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FORT MYERS, FLORIDA 33901

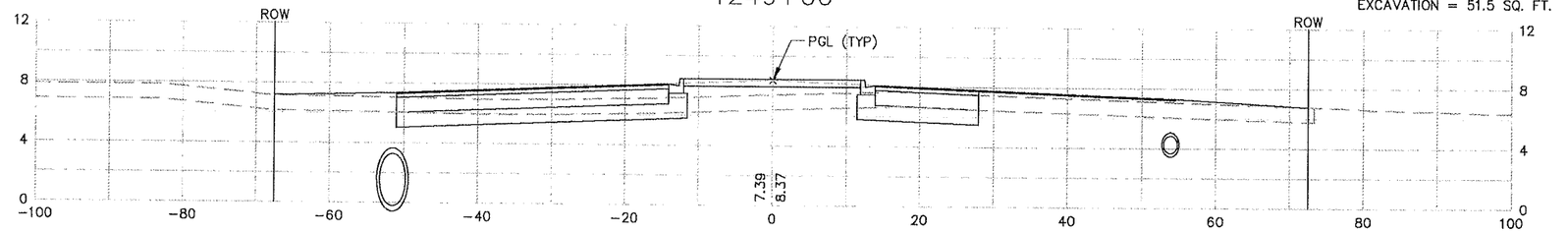
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET
136
of
207
SHEETS

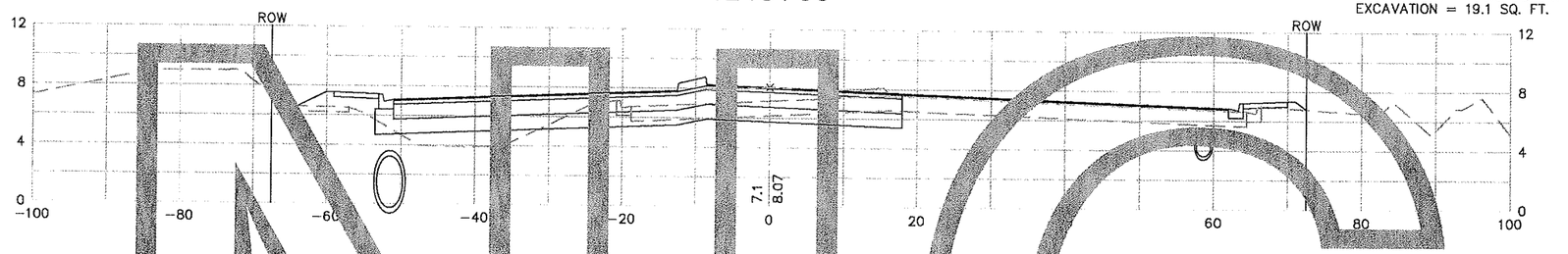
1249+00

EMBANKMENT = 27.3 SQ. FT.
EXCAVATION = 51.5 SQ. FT.



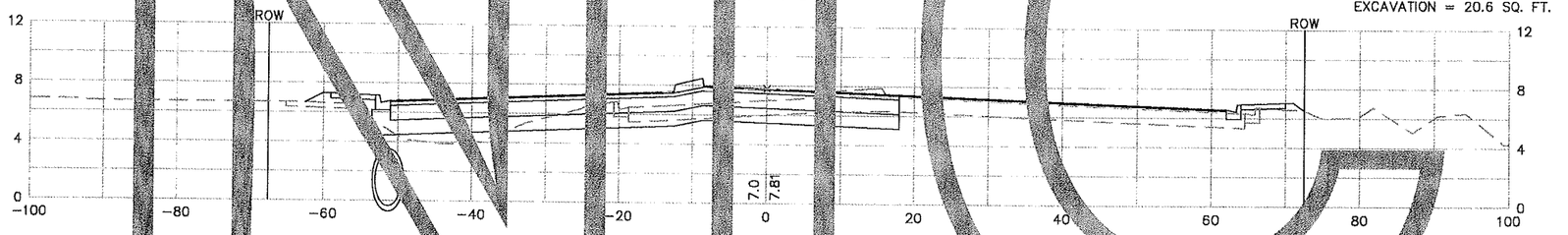
1248+00

EMBANKMENT = 90.9 SQ. FT.
EXCAVATION = 19.1 SQ. FT.



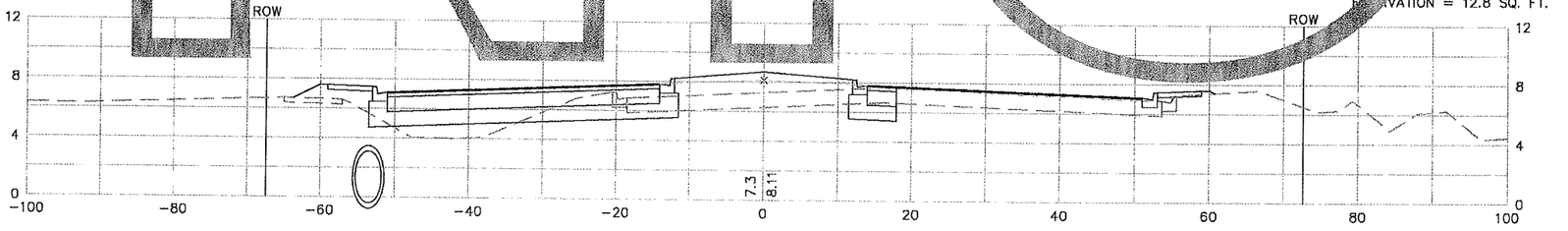
1247+00

EMBANKMENT = 74.8 SQ. FT.
EXCAVATION = 20.6 SQ. FT.



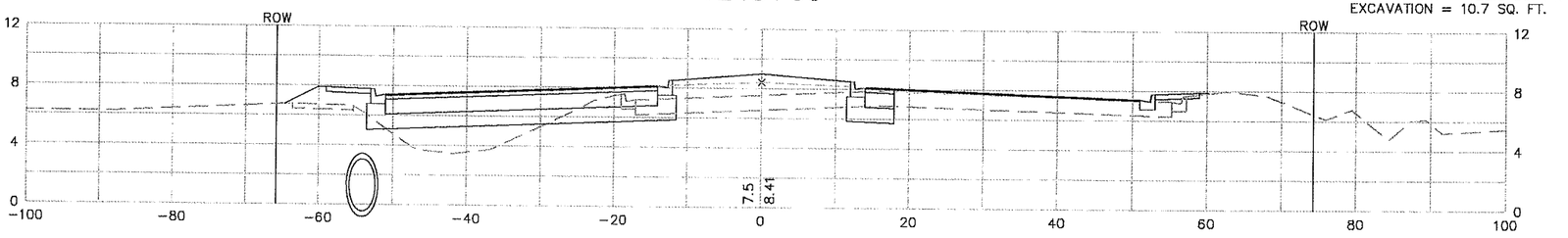
1246+00

EMBANKMENT = 102.6 SQ. FT.
EXCAVATION = 12.8 SQ. FT.



1245+00

EMBANKMENT = 122.0 SQ. FT.
EXCAVATION = 10.7 SQ. FT.



JAN 0 8 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009162l.dwg 11/13/2007 10:52:34 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091621		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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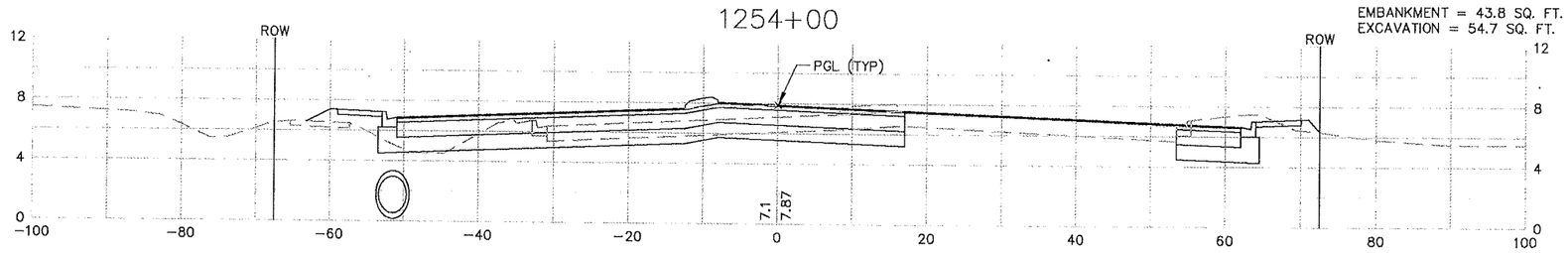
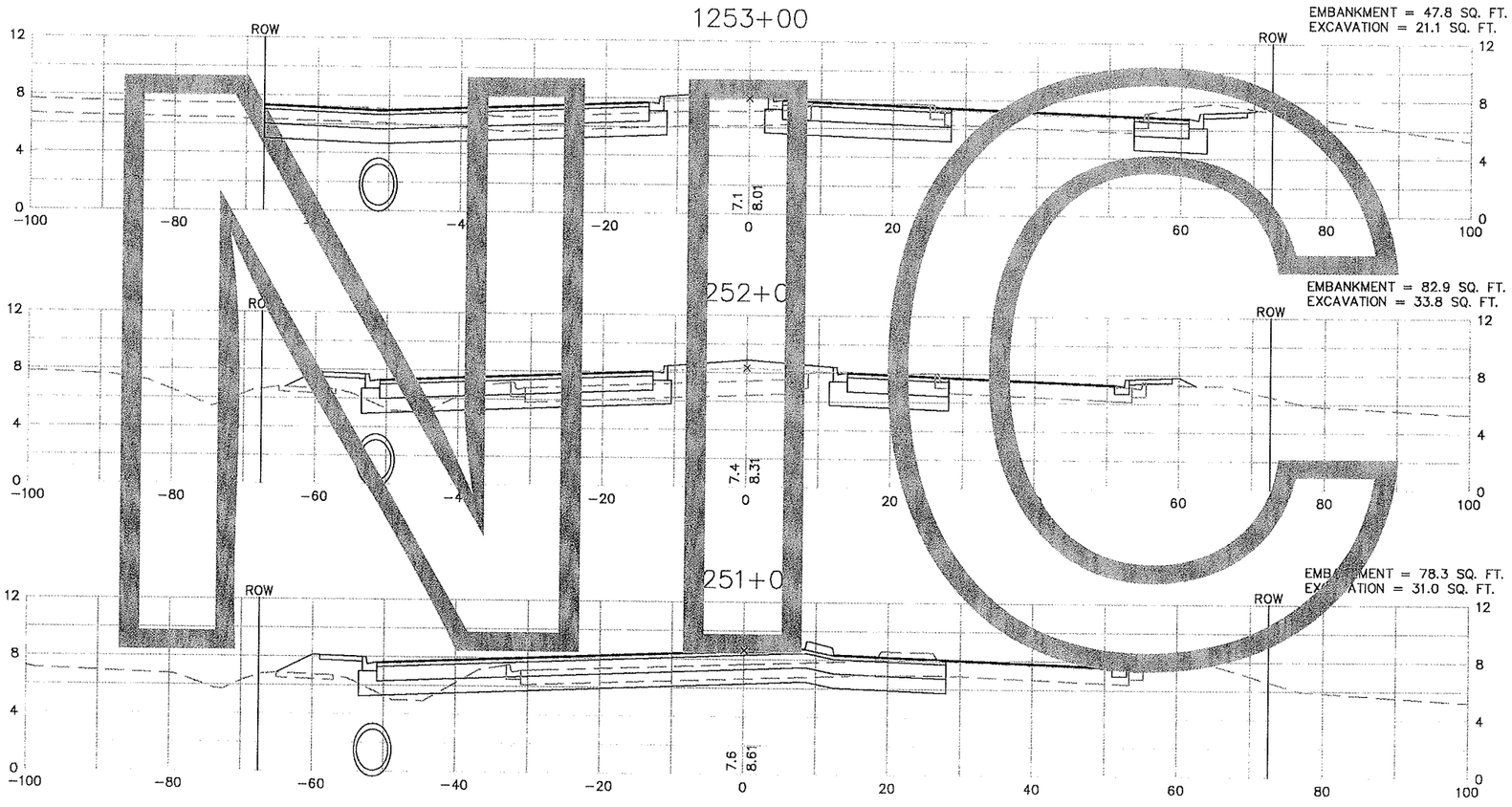
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

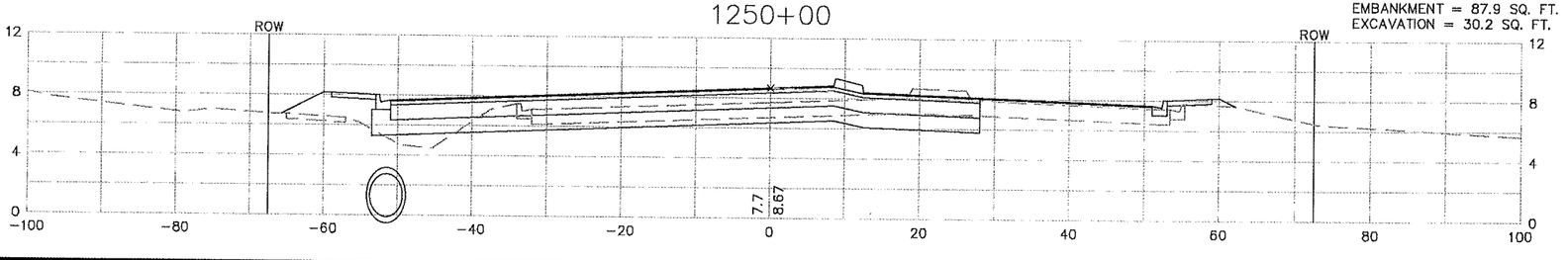
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 137 of 207 SHEETS







JAN 0 8 2008

Phase 2

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091622		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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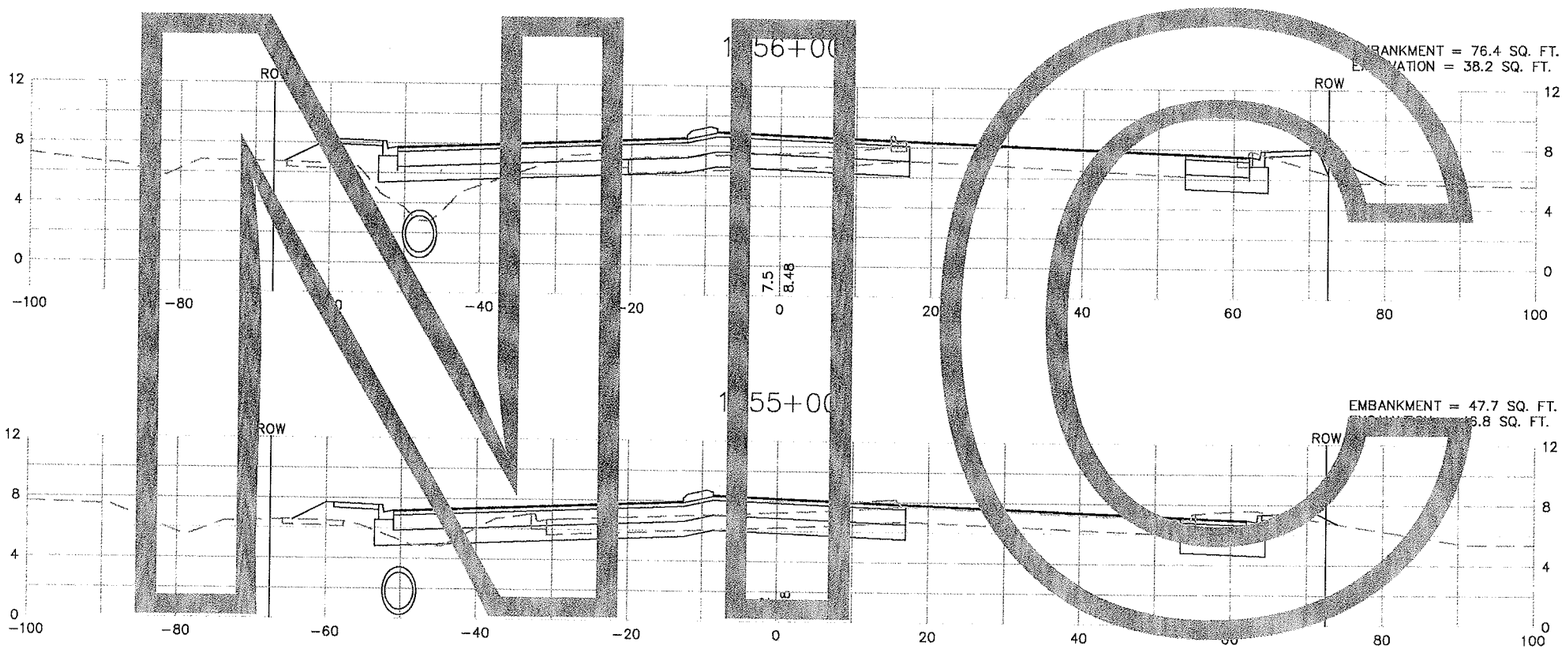
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 138 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\02009162.dwg 11/13/2007 10:58:18 AM EST



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091623		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

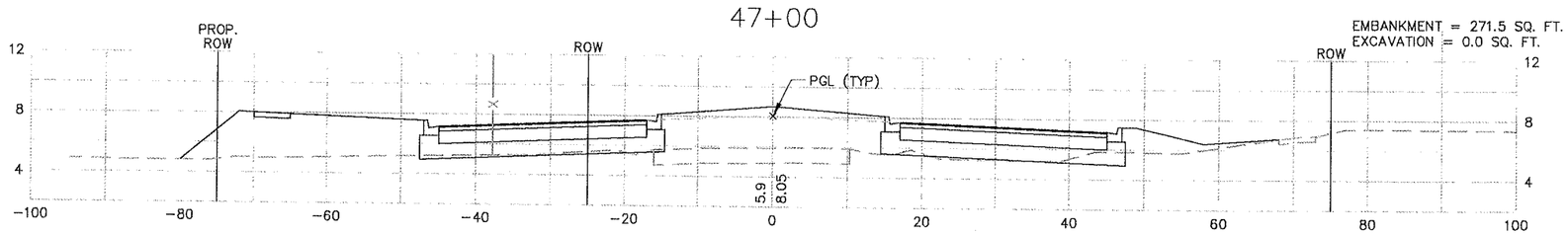
PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

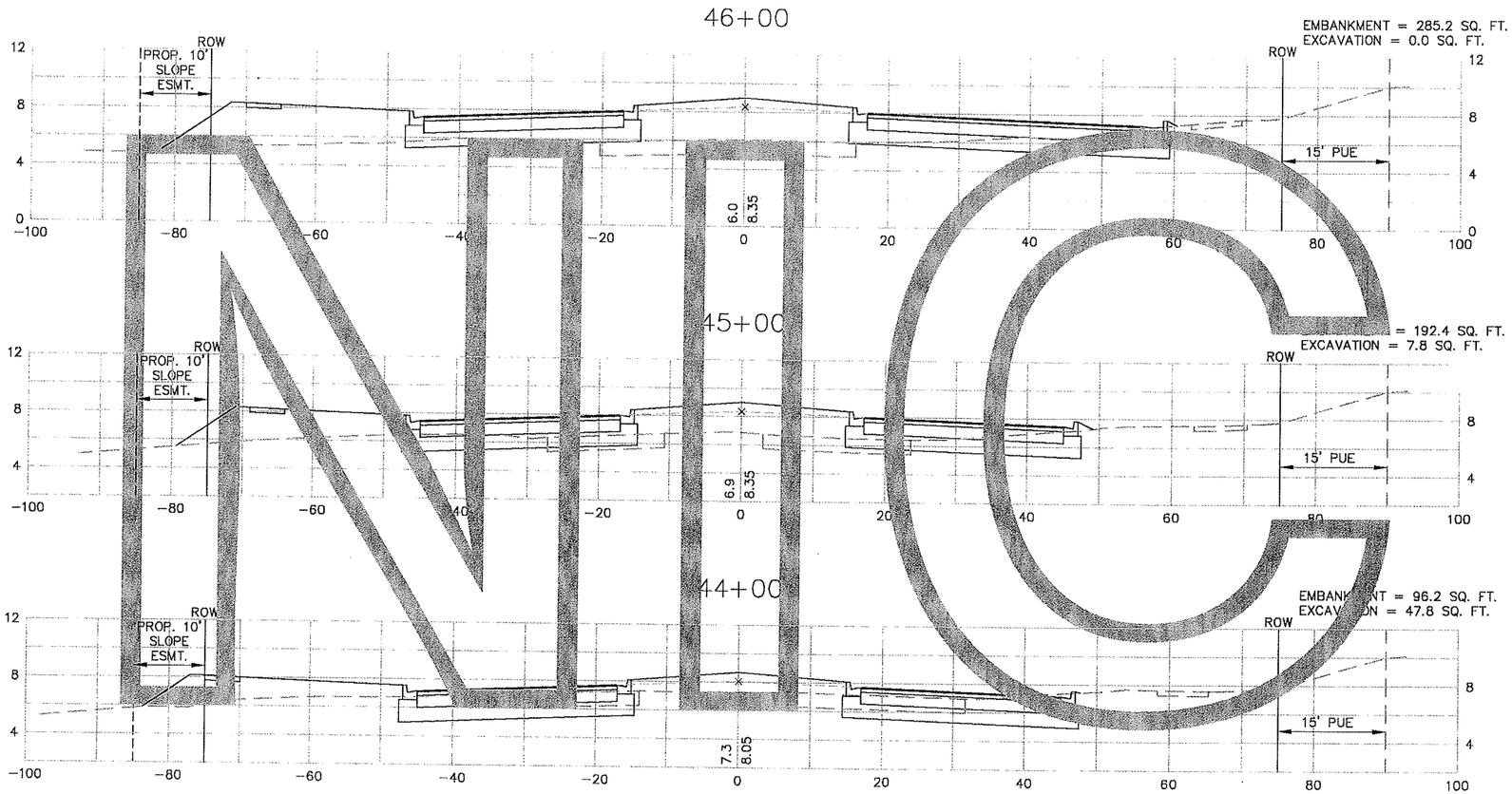
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

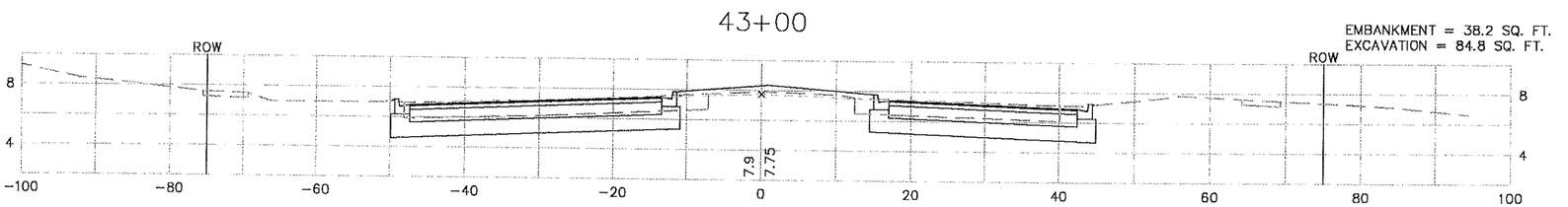
CROSS SECTIONS – GLADIOLUS DRIVE

SHEET 139 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091623.dwg 11/13/2007 11:00:32 AM EST







JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091624.dwg 12/7/2007 1:53:42 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091624		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

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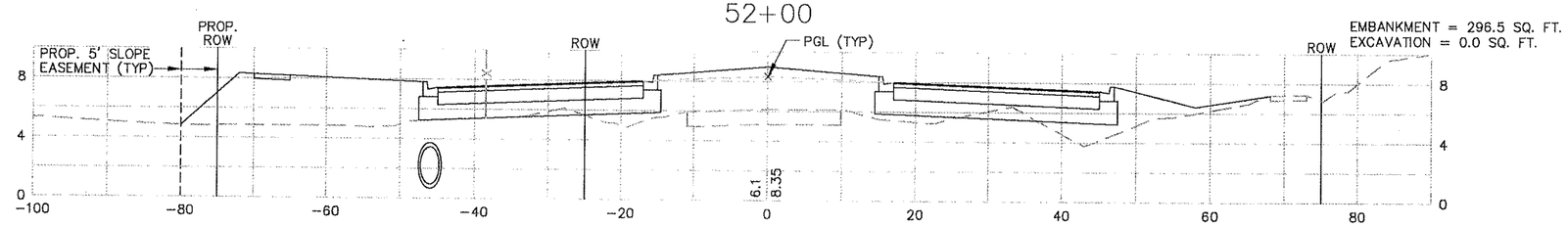
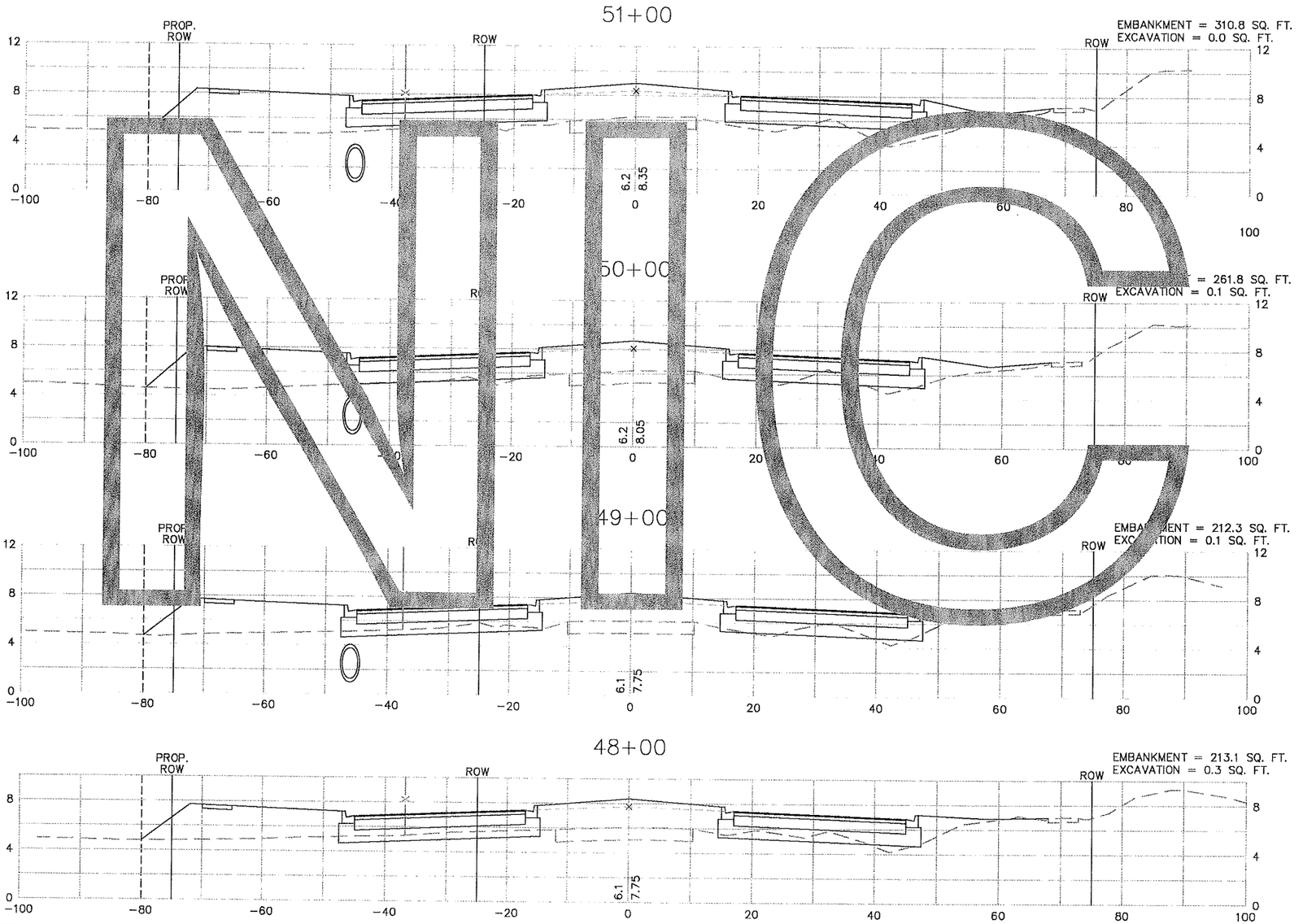
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – BASS ROAD

SHEET 140 of 207 SHEETS





JAN 08 2008

C:\Land Projects 2005\02009-2\dwg\02009625.dwg 11/13/2007 11:04:32 AM EST

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091625		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA
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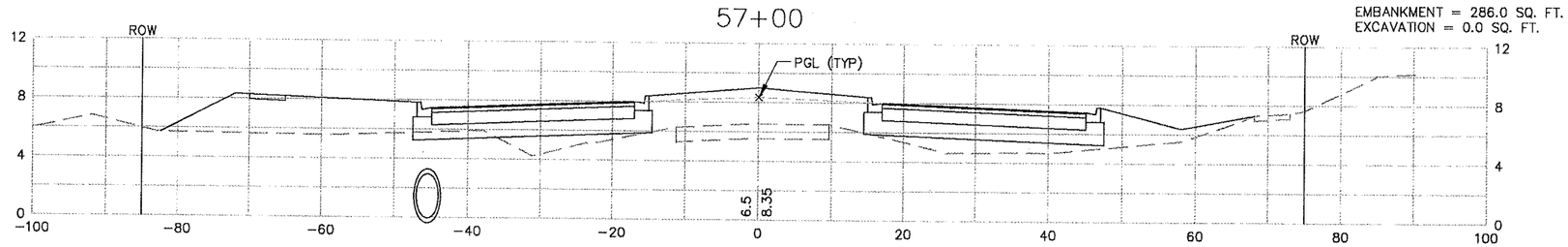
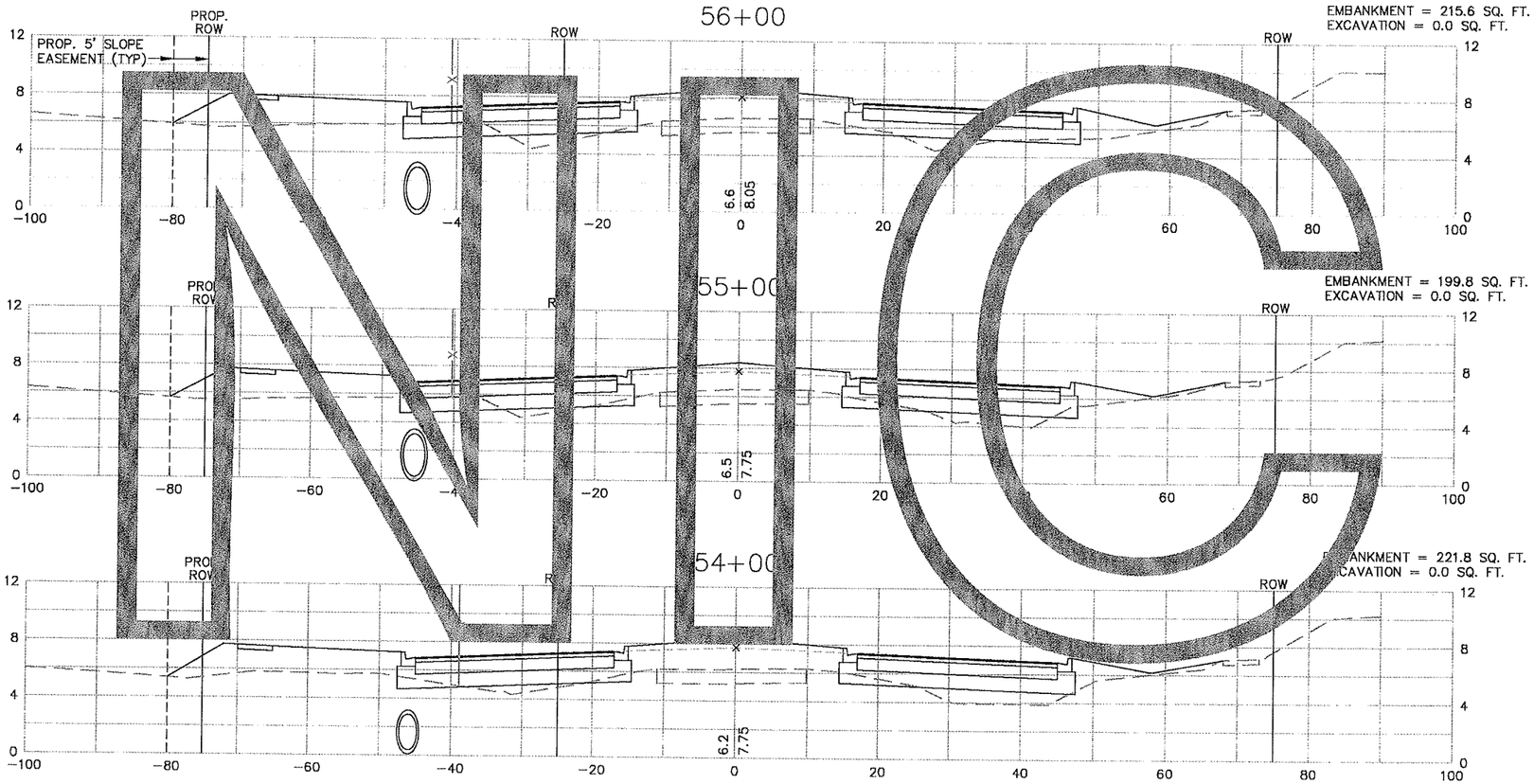
FORT MYERS, FLORIDA 33901

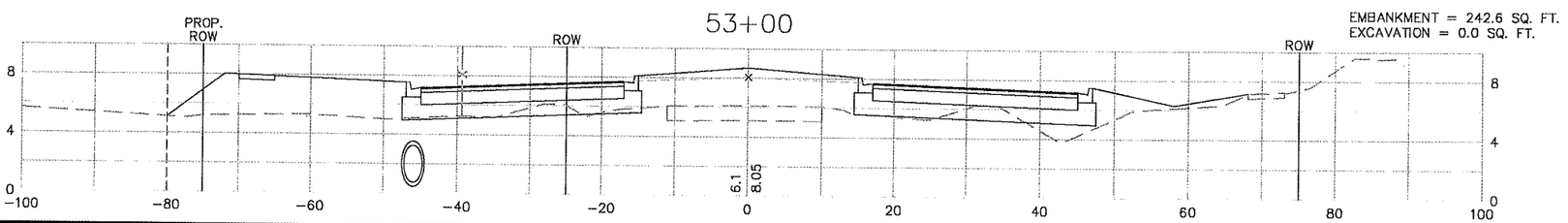
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – BASS ROAD

SHEET 141 of 207 SHEETS







JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091626

HORIZ. SCALE: 1"=10'
1"=20' (11"x17")
VERT. SCALE: 1"=5'
1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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TRANSPORTATION
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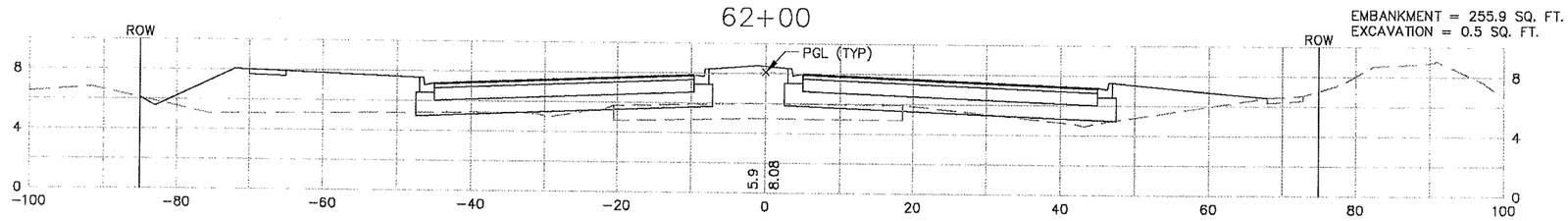
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

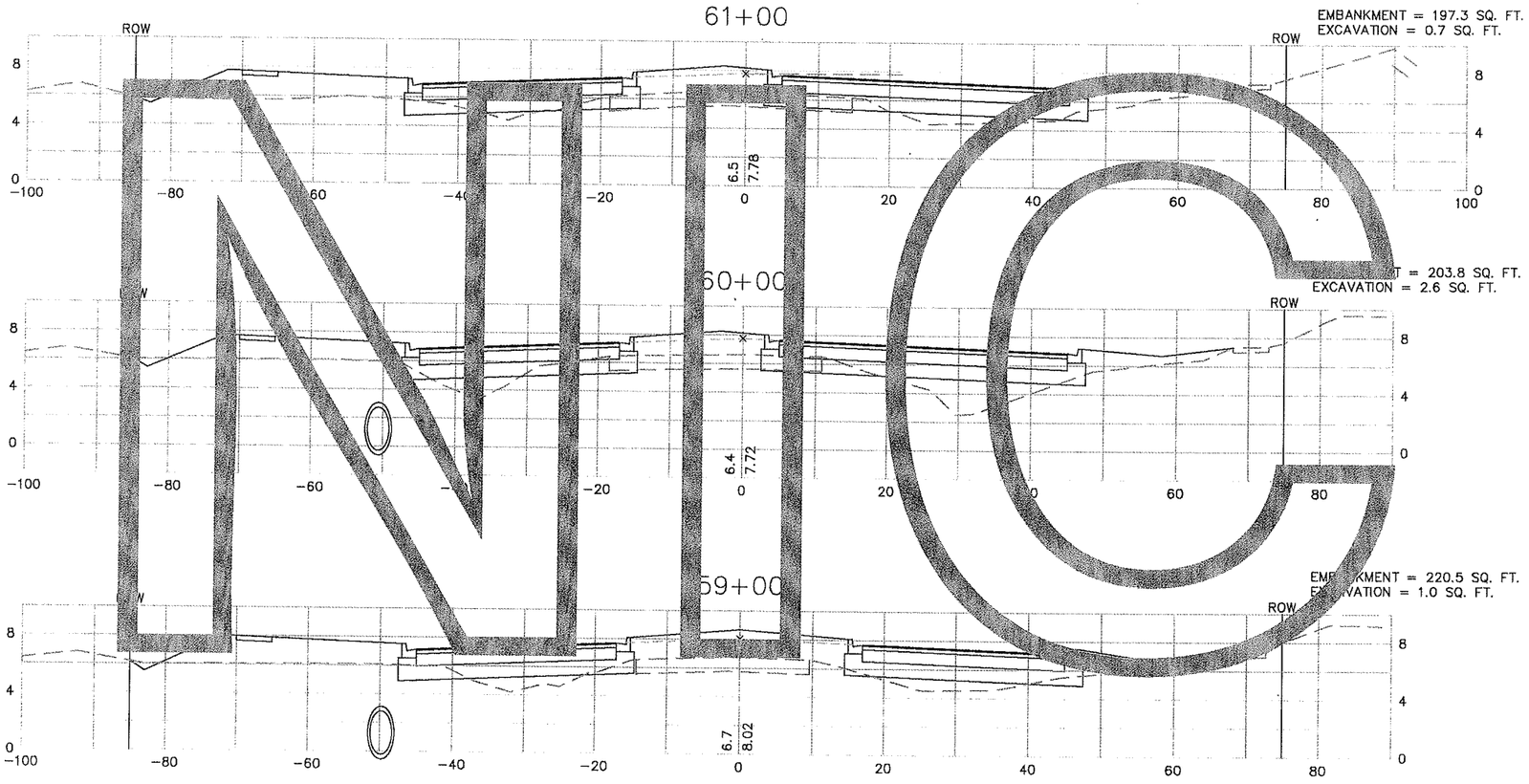
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

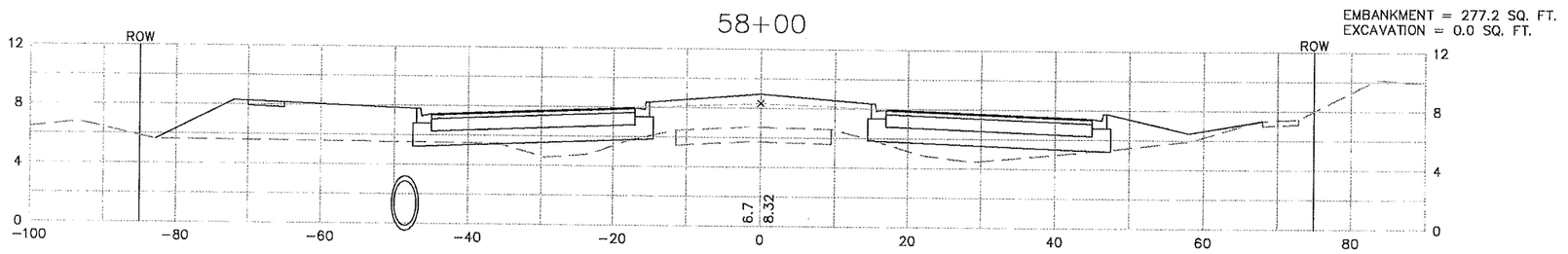
CROSS SECTIONS – BASS ROAD

SHEET 142 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091626.dwg 11/13/2007 11:05:53 AM EST







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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091627		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA

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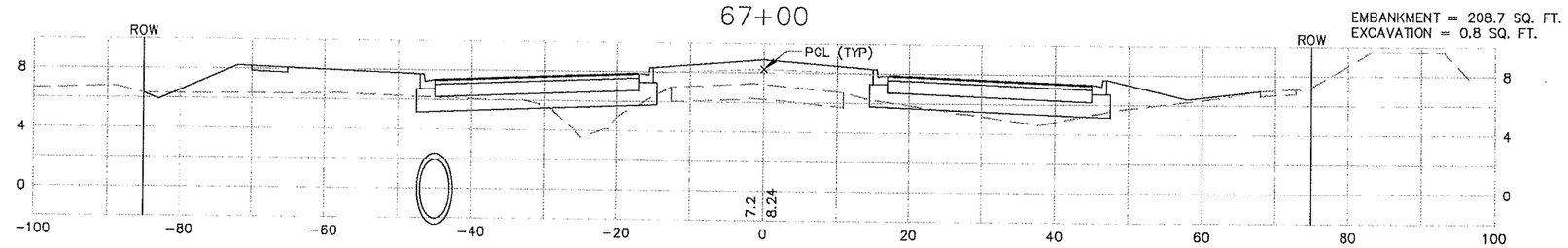
of
TRANSPORTATION

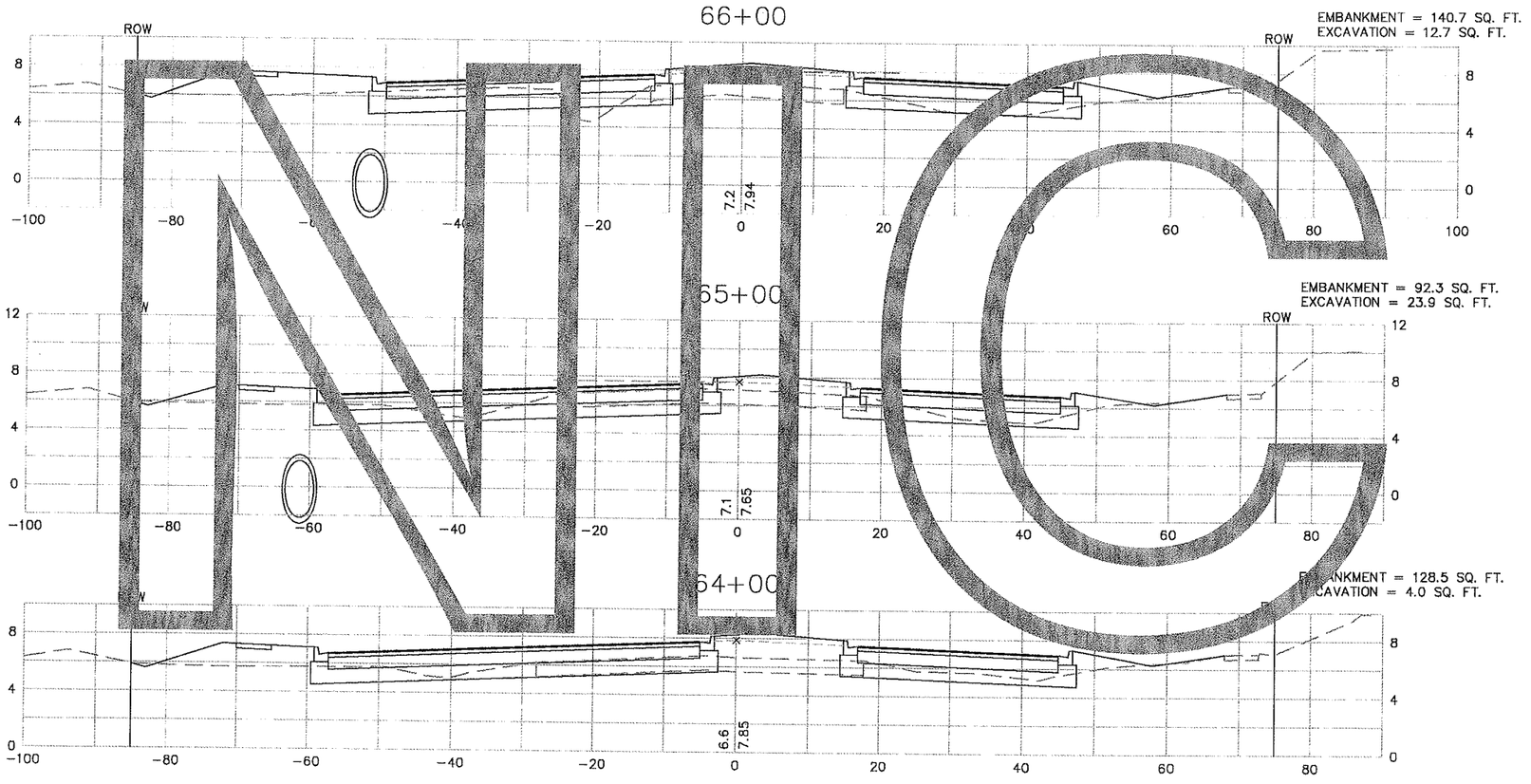
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dottle.htm

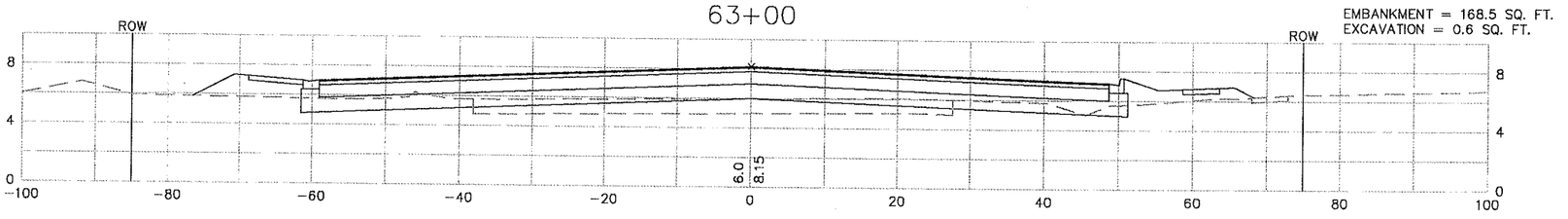
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – BASS ROAD

SHEET 143 of 207 SHEETS







JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\02009162B.dwg 11/13/2007 11:09:33 AM EST

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 02009162B		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT
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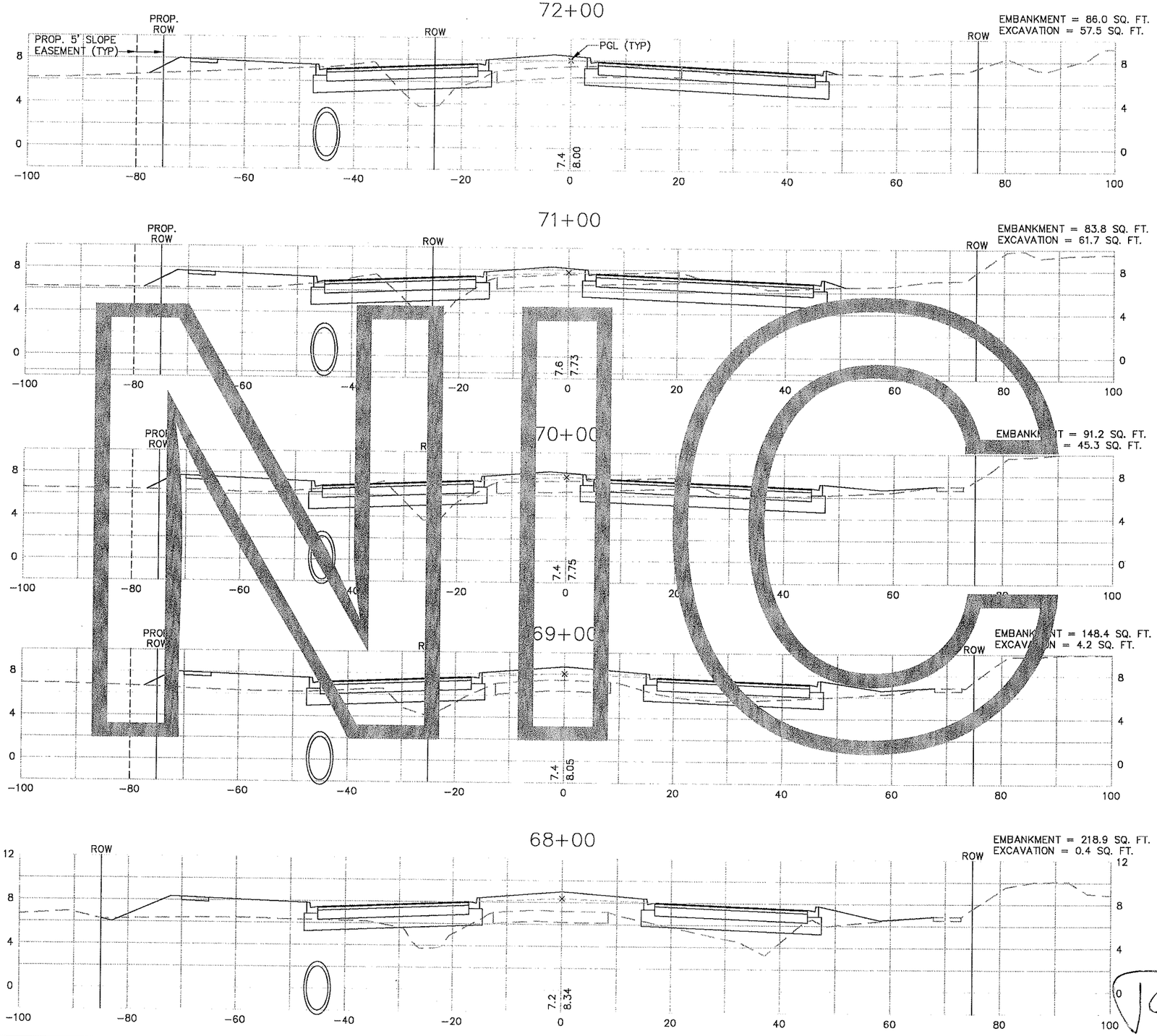
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS - BASS ROAD

SHEET
144
of
207
SHEETS



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091629.dwg 11/13/2007 11:10:37 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091629		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

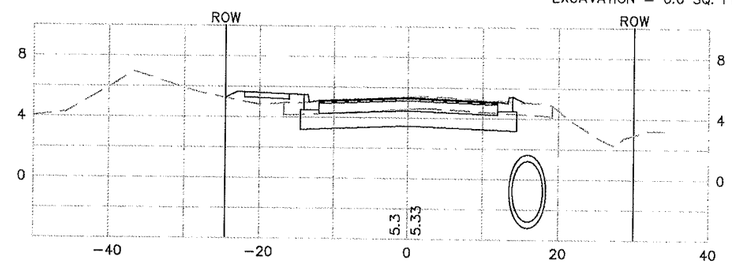
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – BASS ROAD

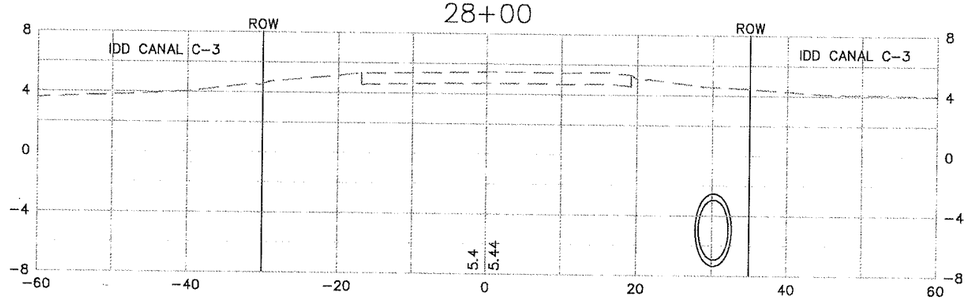
SHEET 145 of 207 SHEETS

29+00

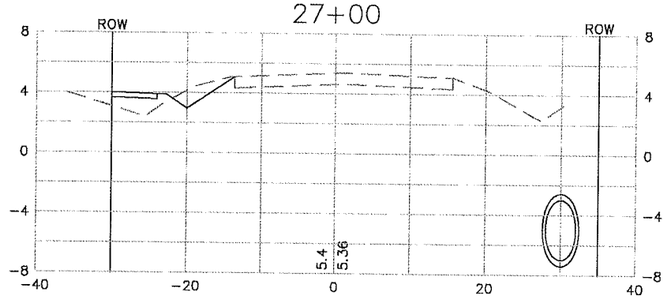
EMBANKMENT = 4.4 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



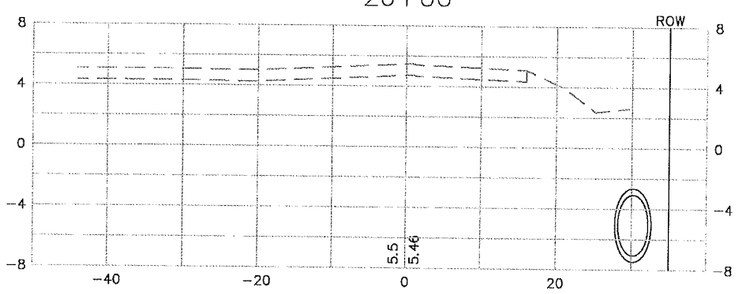
28+00



27+00

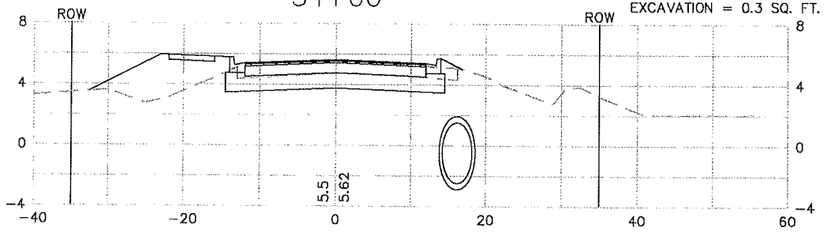


26+00



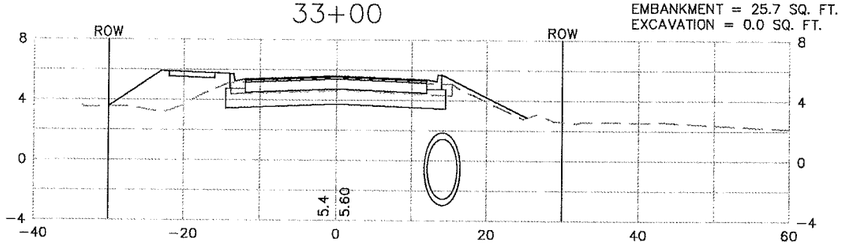
34+00

EMBANKMENT = 30.9 SQ. FT.
EXCAVATION = 0.3 SQ. FT.



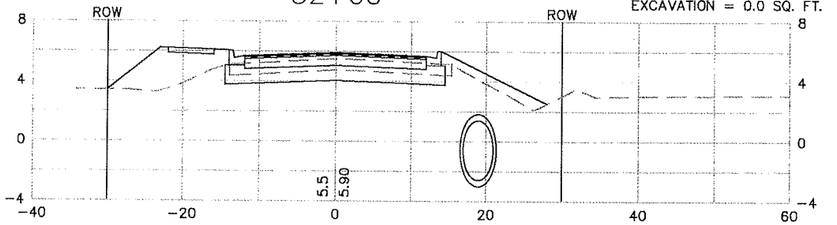
33+00

EMBANKMENT = 25.7 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



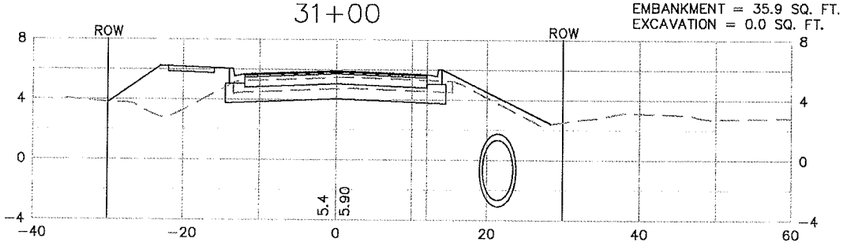
32+00

EMBANKMENT = 34.9 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



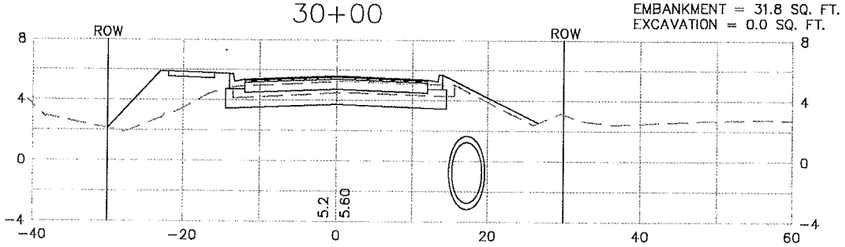
31+00

EMBANKMENT = 35.9 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



30+00

EMBANKMENT = 31.8 SQ. FT.
EXCAVATION = 0.0 SQ. FT.



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091630.dwg 11/13/2007 11:12:58 AM EST

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091630		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900

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FORT MYERS, FLORIDA 33901
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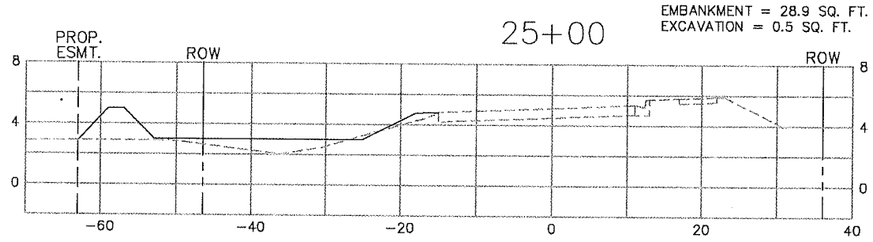
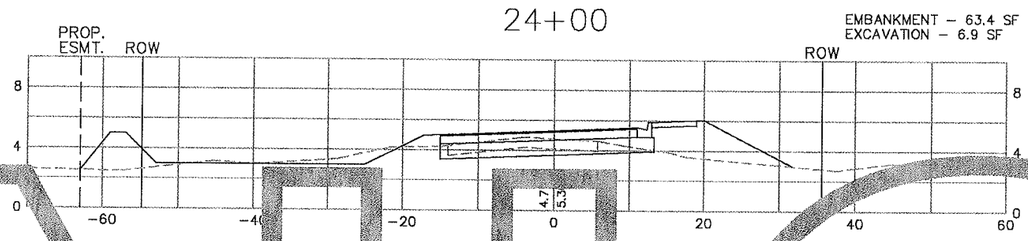
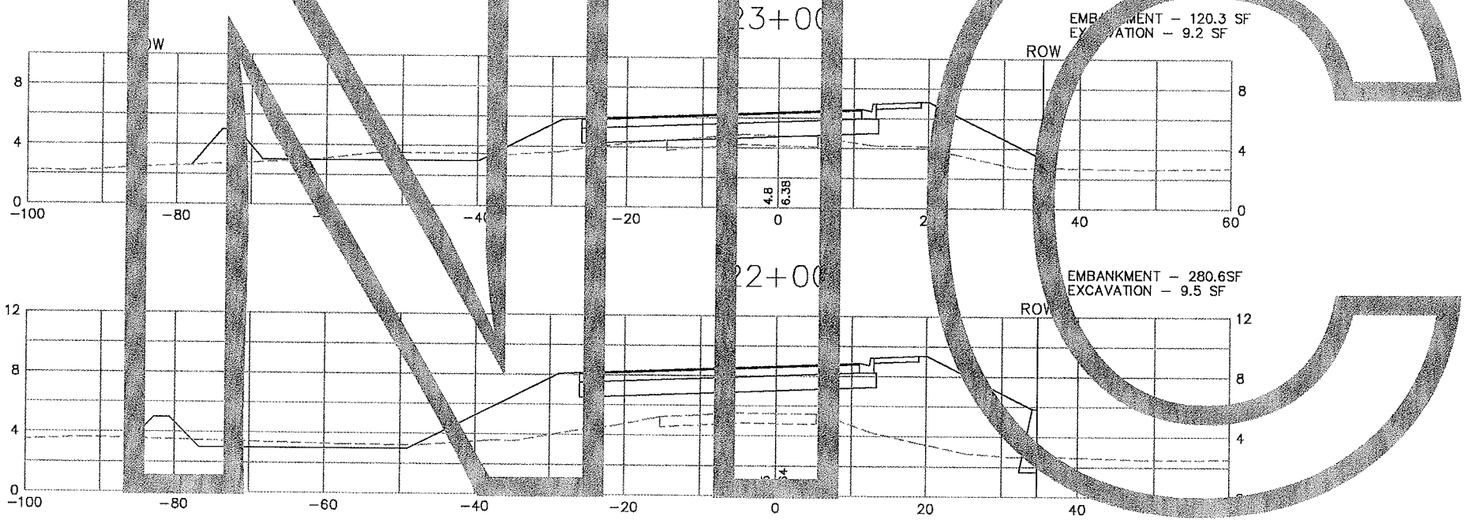
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

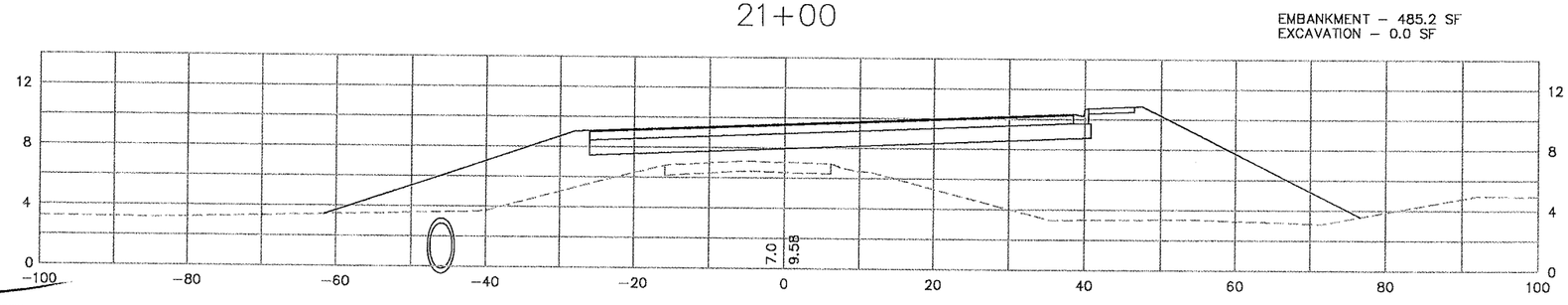
CROSS SECTIONS – HAGIE DRIVE

SHEET 146 of 207 SHEETS









JAN 0 8 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07	1"=20' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091631	1"=10' (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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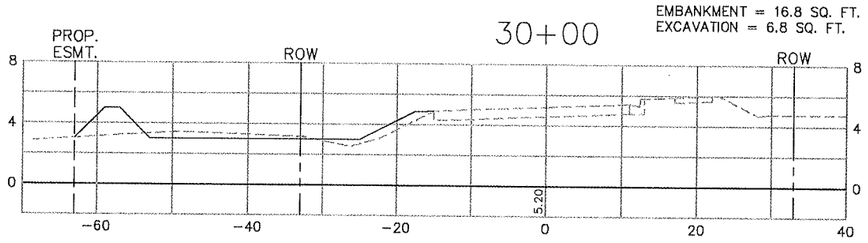
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

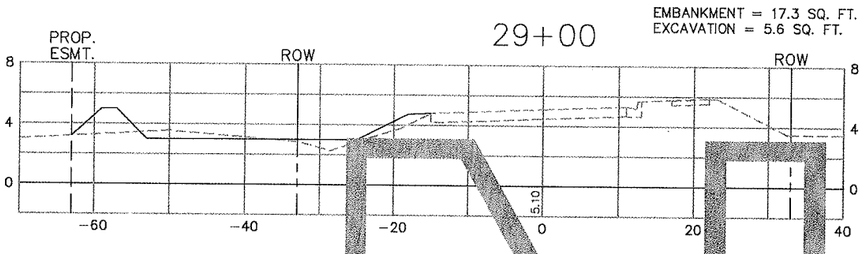
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

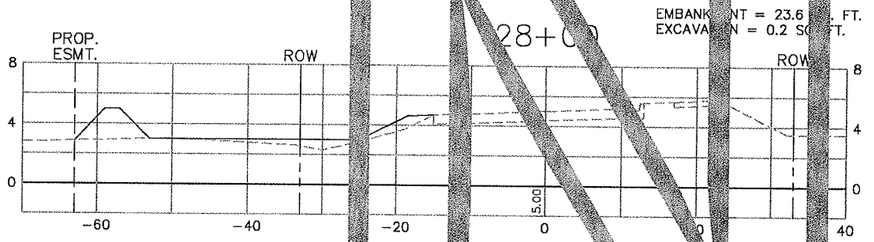
CROSS SECTIONS – A&W BULB ROAD

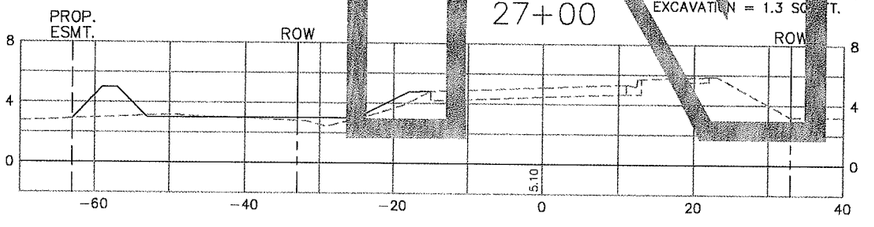
SHEET 147 of 207 SHEETS

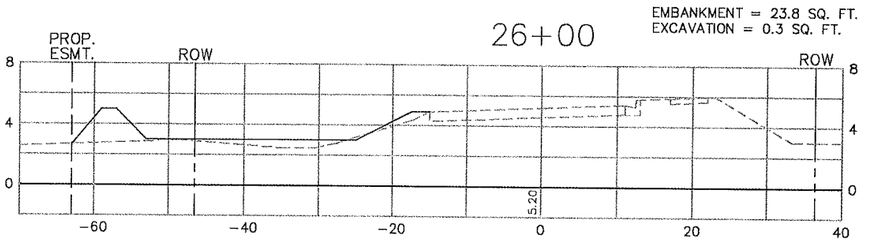
C:\Land Projects 2005\02009-2\dwg\020091631.dwg 11/13/2007 11:14:39 AM EST

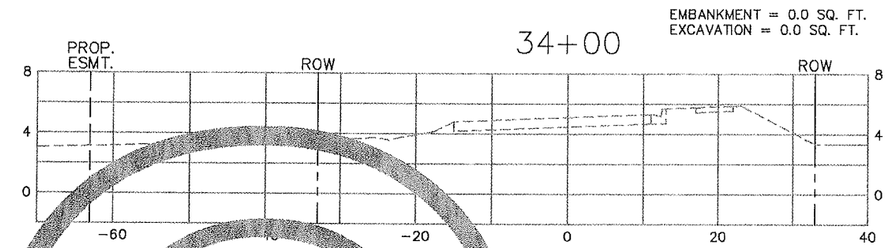


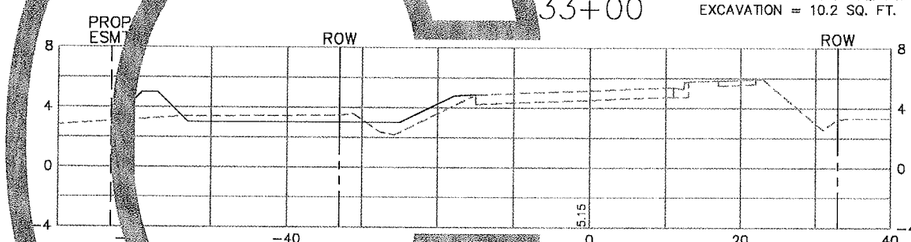


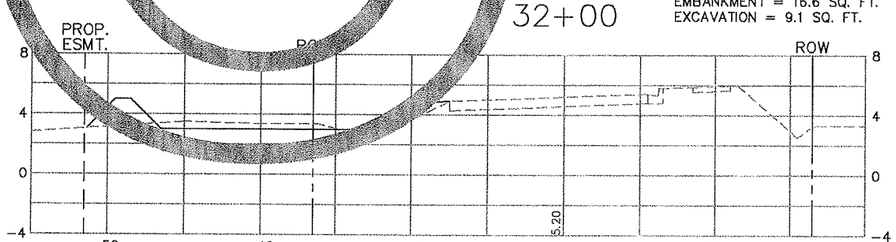


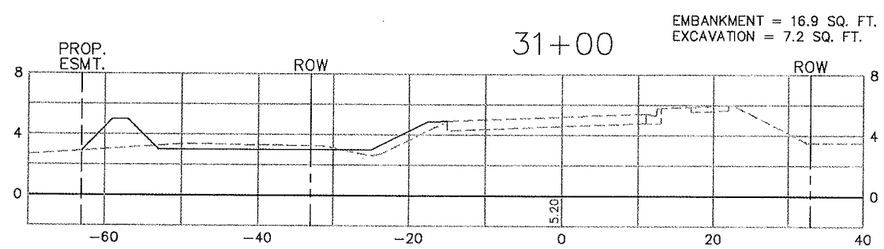












NOT
JAN 08 2008
RW

C:\Land Projects 2005\02009-2\dwg\020091632.dwg 11/13/2007 11:16:07 AM EST

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=10'	
DRAWN: LLC	DATE: 11/07		1"=20' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=5'	
PROJ NO.: 4083	FILE: 020091632		1"=10' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
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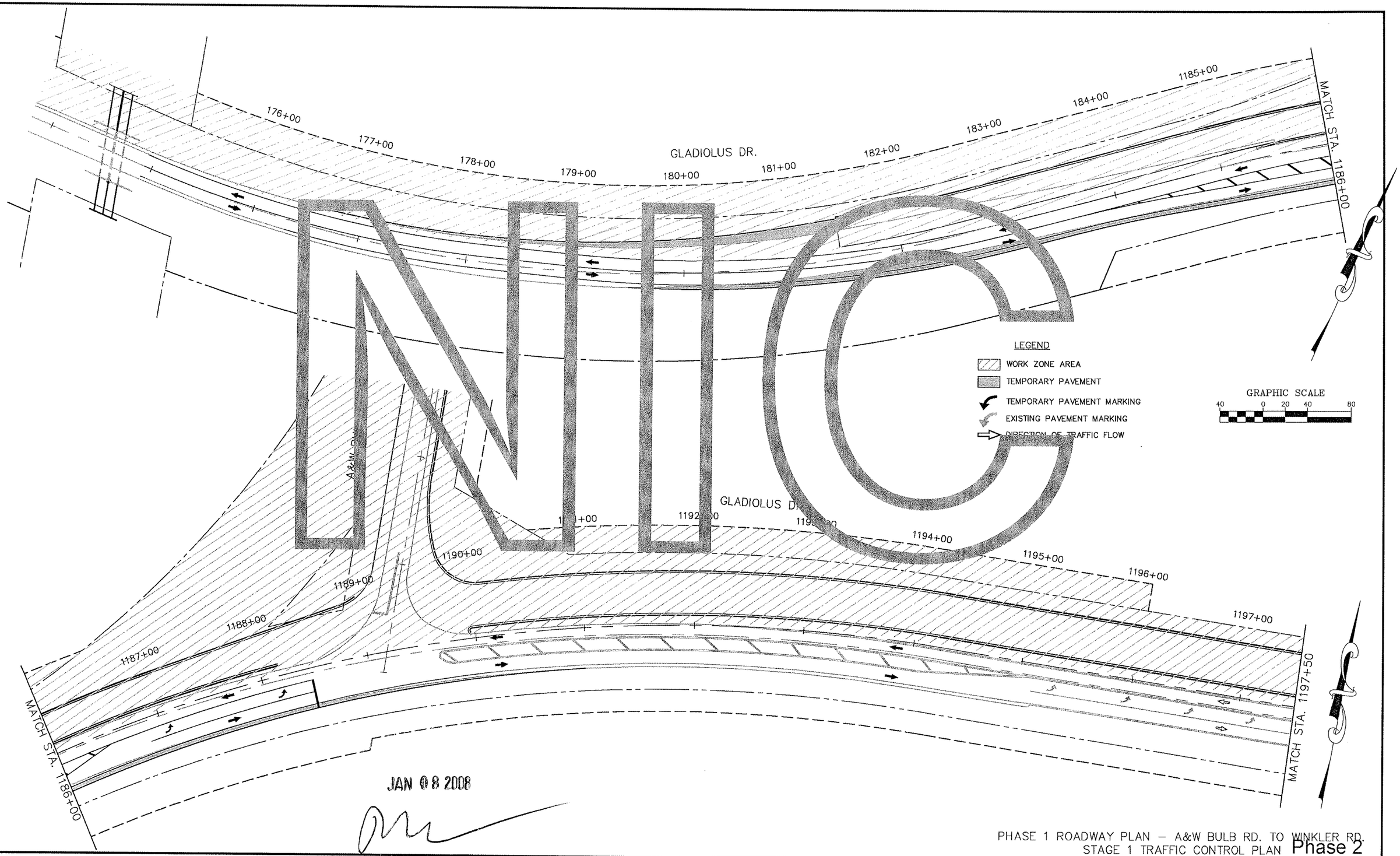
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

CROSS SECTIONS – A&W BULB ROAD

SHEET 148 of 207 SHEETS



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091707.dwg 11/13/2007 11:40:55 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091707	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 149 of 207 SHEETS

GLADIOLUS DR.

1198+00 1199+00 1200+00 1201+00 1202+00 1203+00 1204+00 1205+00 1206+00 1207+00 1208+00 1209+00

MATCH STA. 1197+50

MATCH STA. 1209+00

LEGEND

WORK ZONE AREA

TEMPORARY PAVEMENT

TEMPORARY PAVEMENT MARKING

EXISTING PAVEMENT MARKING

DIRECTION OF TRAFFIC FLOW

1209+00 1210+00 1211+00 1212+00 1213+00 1214+00 1215+00 1216+00 1217+00 1218+00 1219+00

GLADIOLUS DR.

BASS RD.

MATCH STA. 1209+00

MATCH STA. 1219+50

GRAPHIC SCALE

40 0 20 40 80

JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07		1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091708		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET
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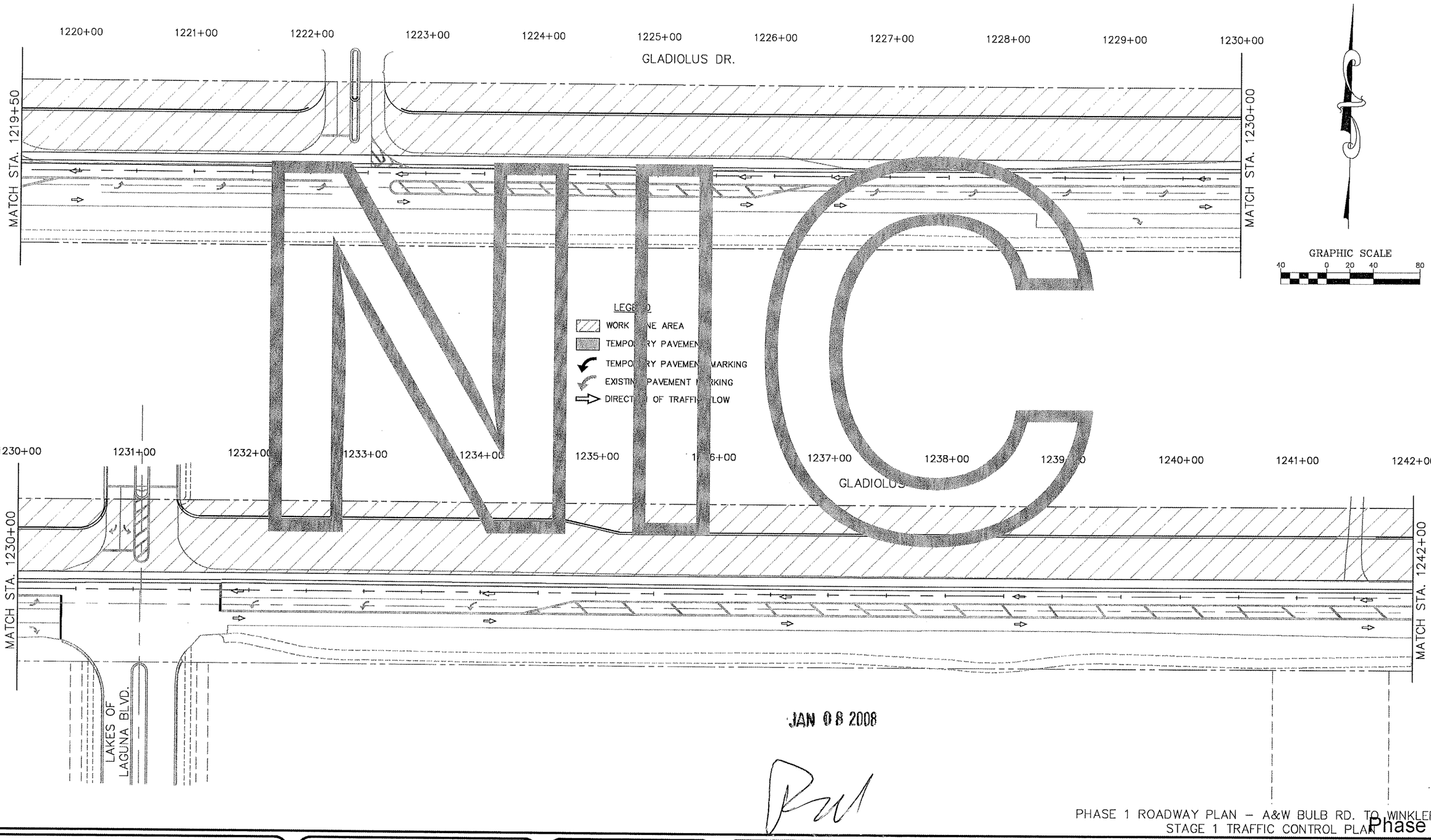
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 150 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091708.dwg 11/13/2007 11:42:41 AM EST



C:\Land Projects 2005\02009-2\dwg\020091709.dwg 11/13/2007 11:45:25 AM EST

JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07		1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091709		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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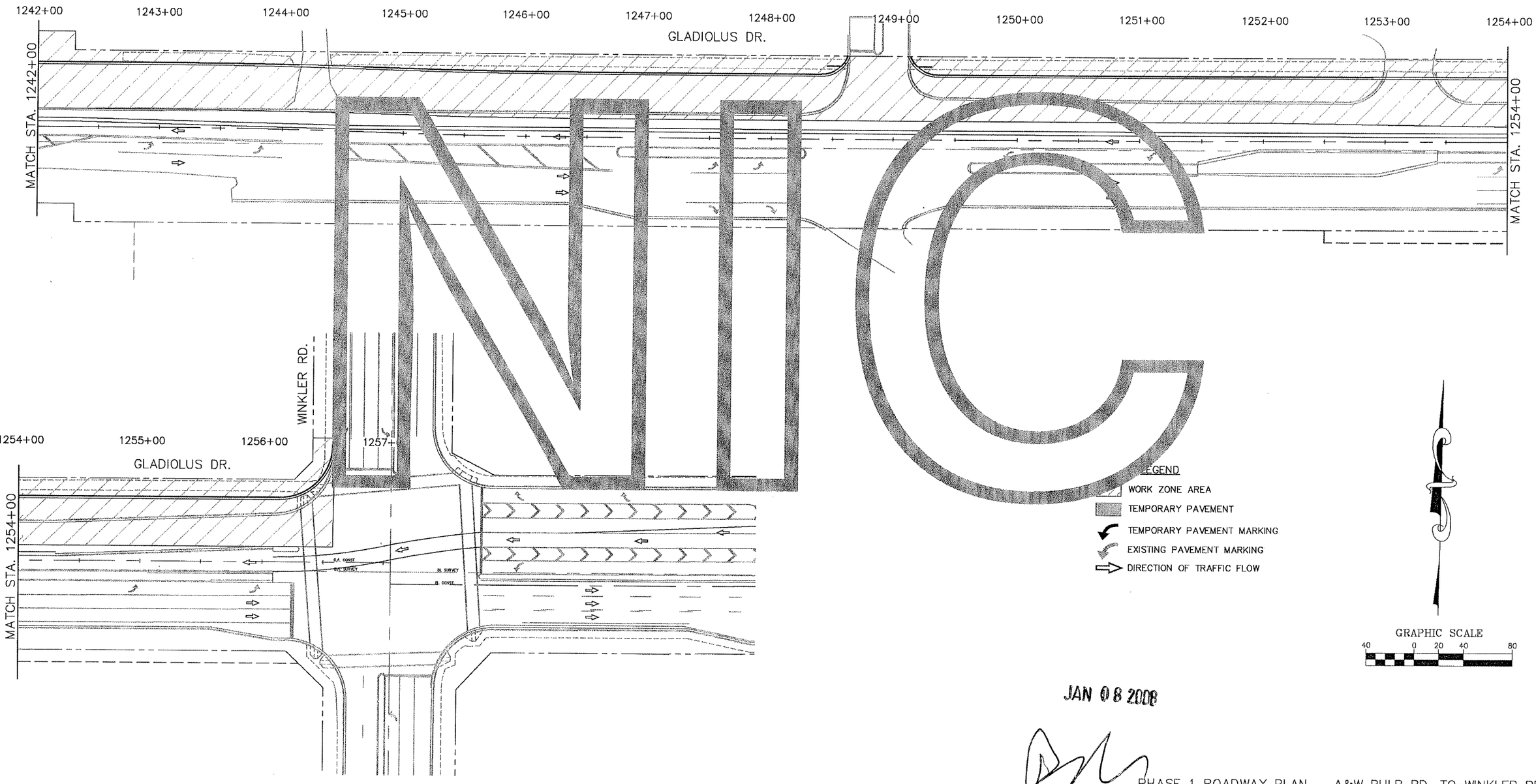
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 151 of 207 SHEETS



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091710.dwg 11/13/2007 11:46:43 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07		1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091710		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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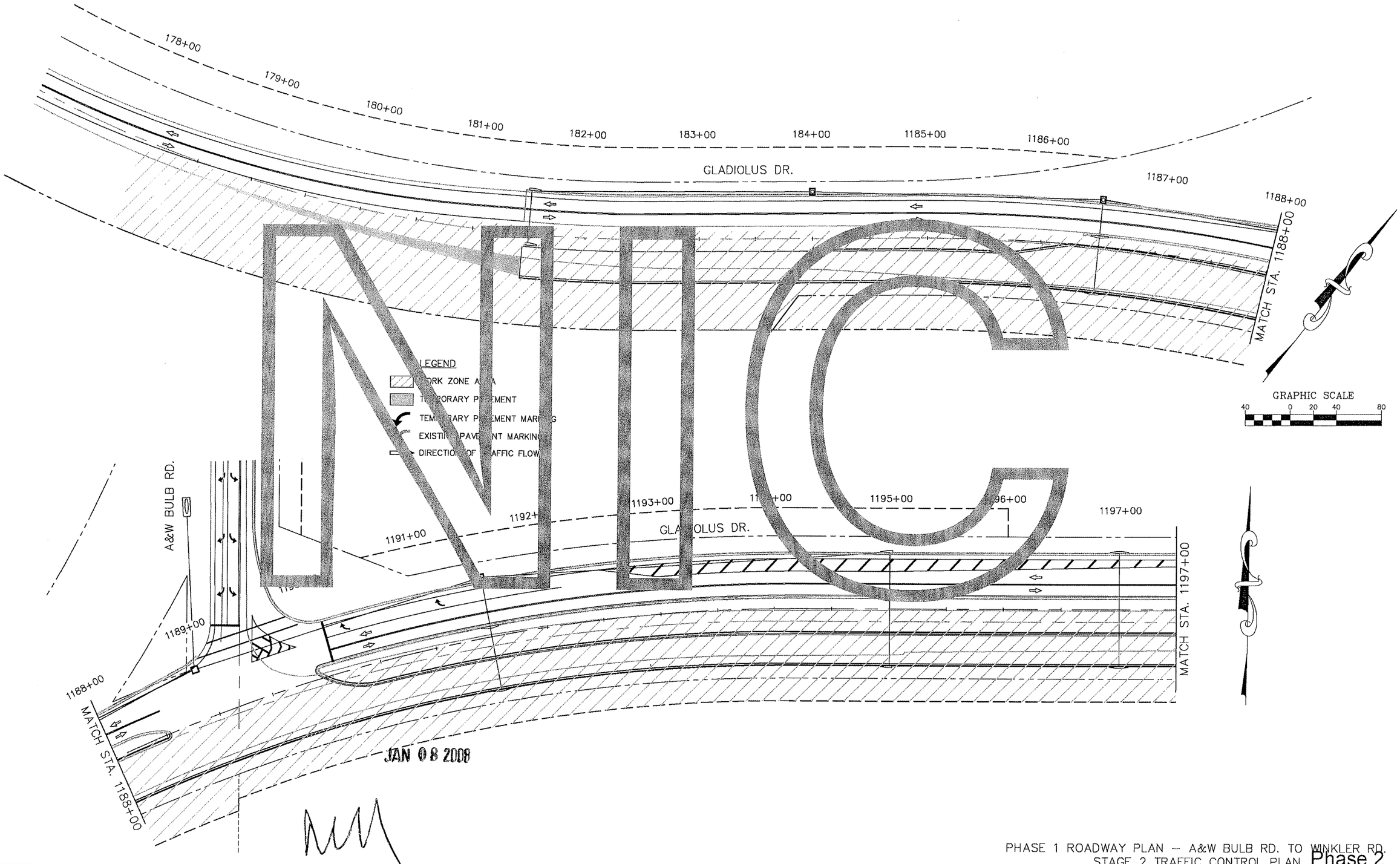
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 152 of 207 SHEETS



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091713.dwg 11/13/2007 11:51:56 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'
DRAWN: LLC	DATE: 11/07	1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A
PROJ NO.: 4083	FILE: 020091713	N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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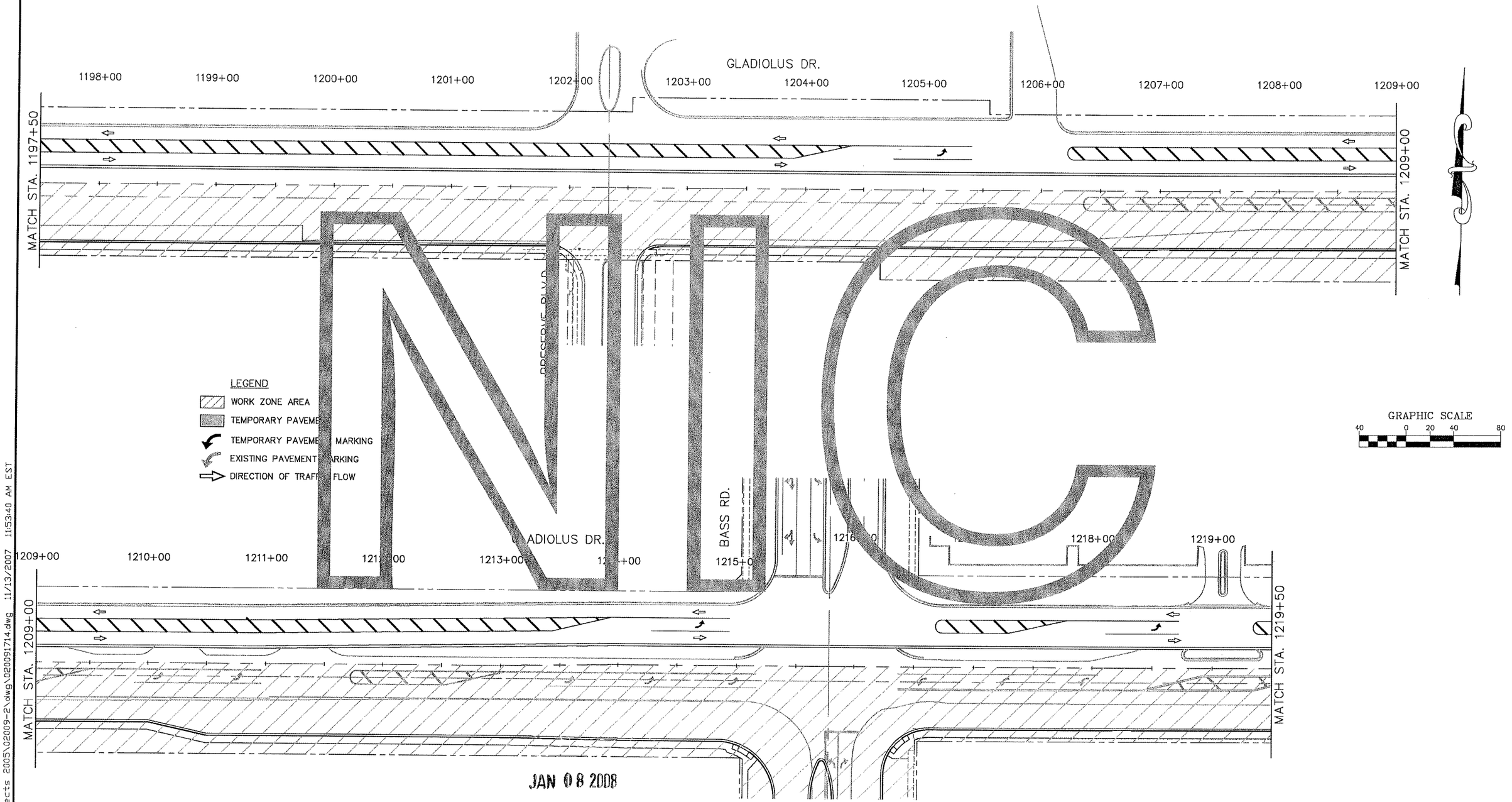
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 153 of 207 SHEETS



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091714	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
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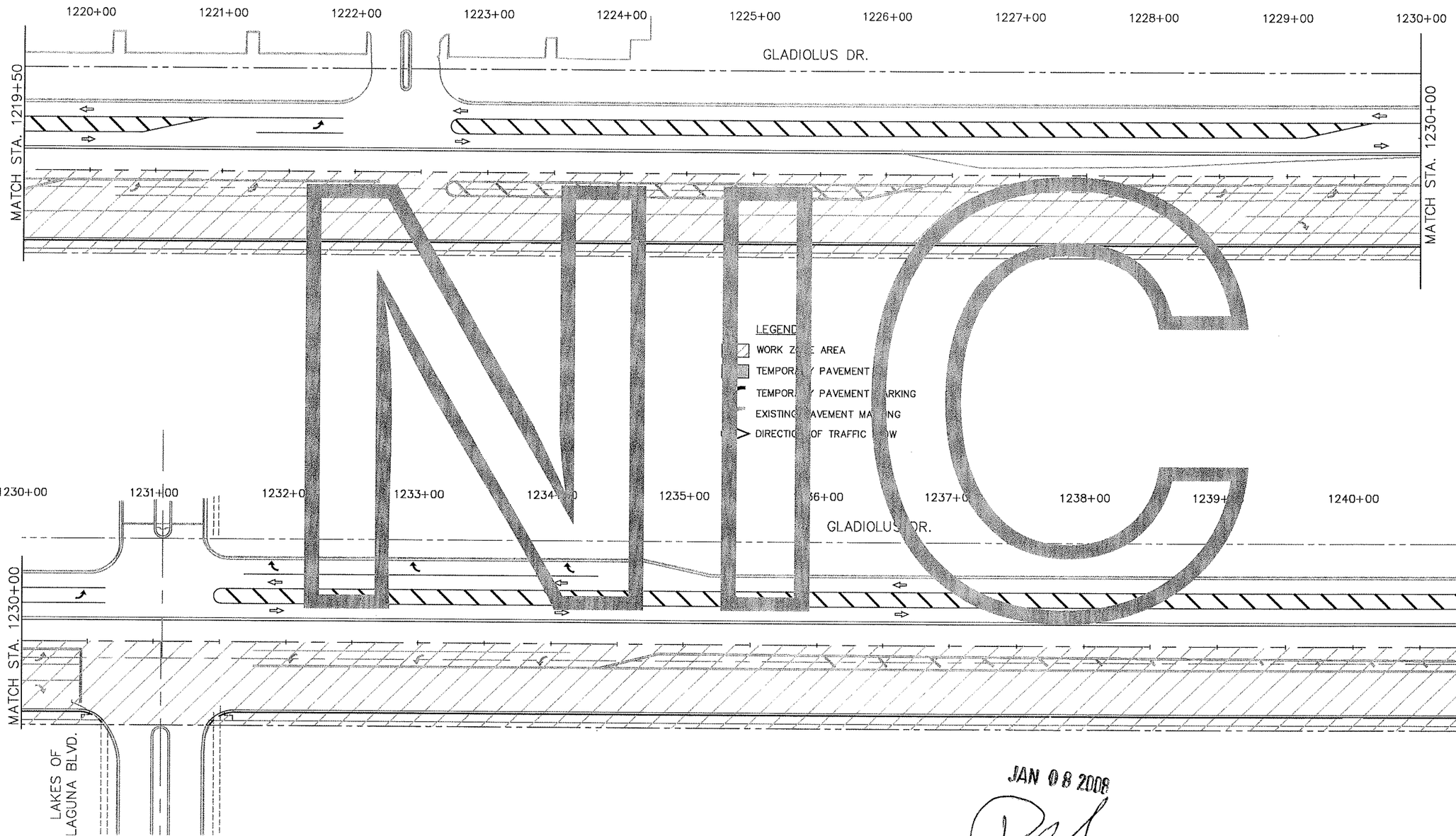
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 154 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091714.dwg 11/13/2007 11:53:40 AM EST



GRAPHIC SCALE

40 0 20 40 80

JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091715.dwg 11/13/2007 11:57:20 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091715	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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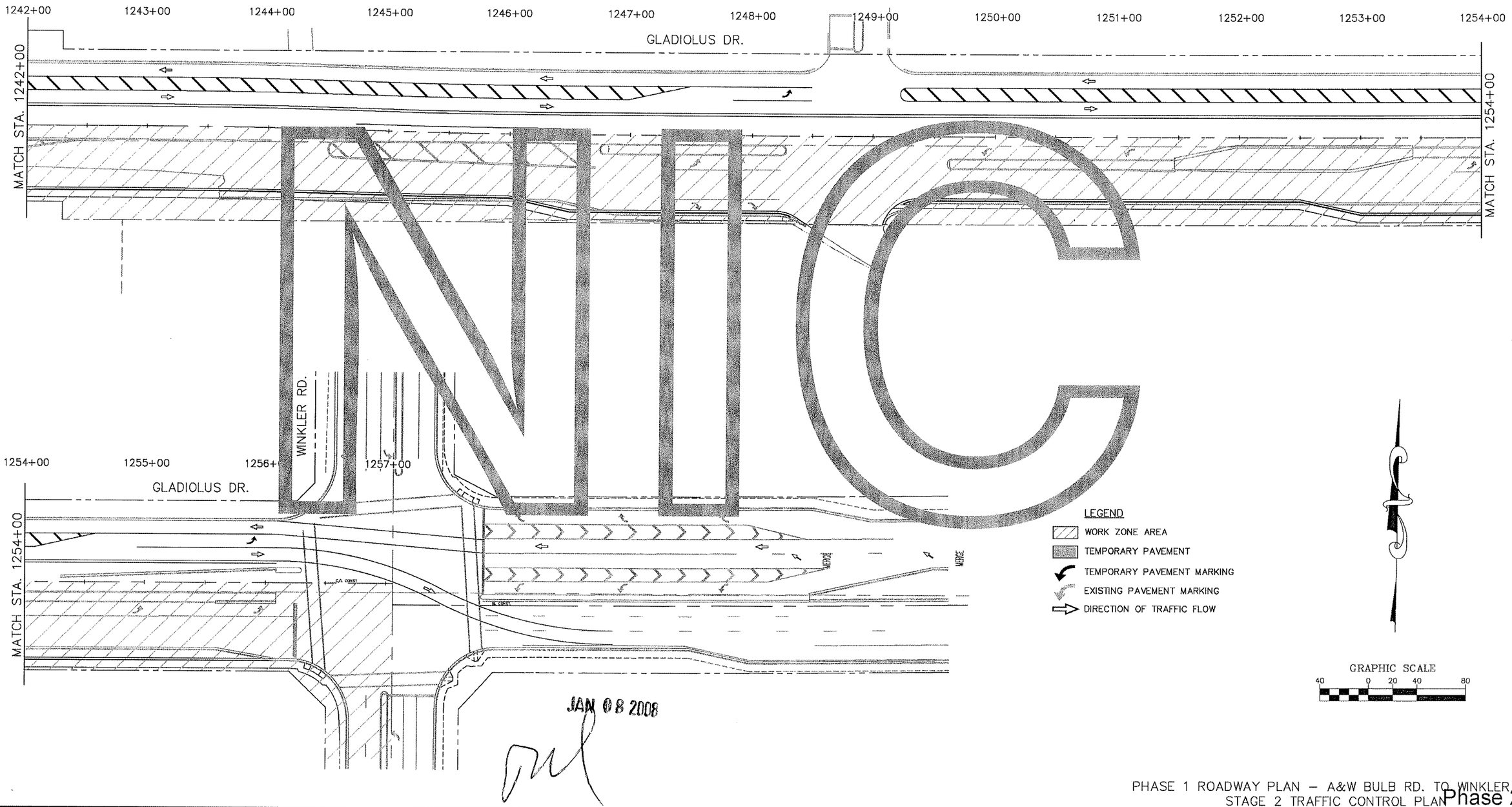
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 155 of 207 SHEETS



LEGEND

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT MARKING
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC FLOW

GRAPHIC SCALE

40 0 20 40 80

JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091716.dwg 11/13/2007 12:01:19 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091716	N/A (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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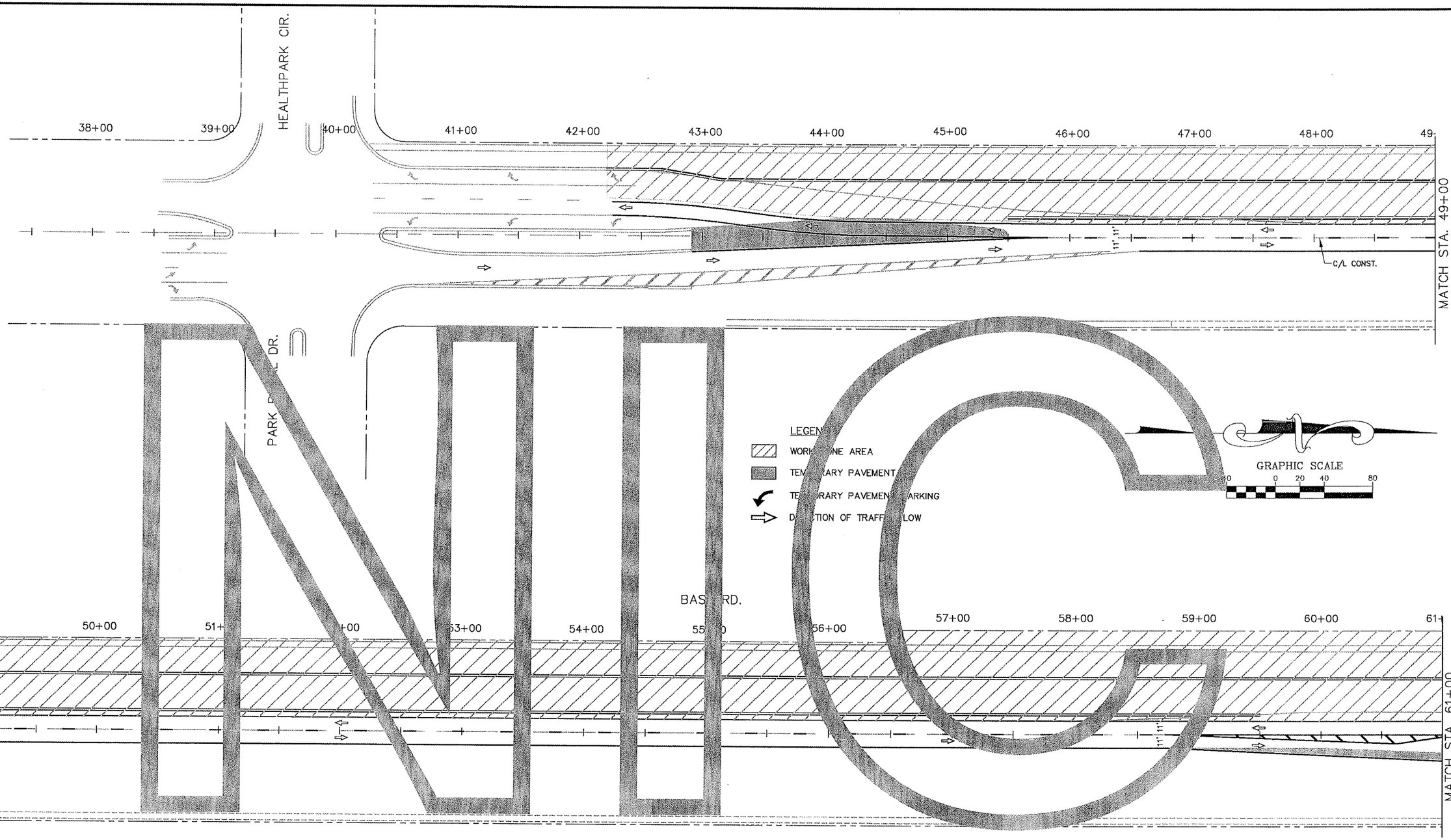
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 156 of 207 SHEETS



JAN 08 2008

PHASE I ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE:	
DRAWN: LLC	DATE: 11/07		(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091701	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

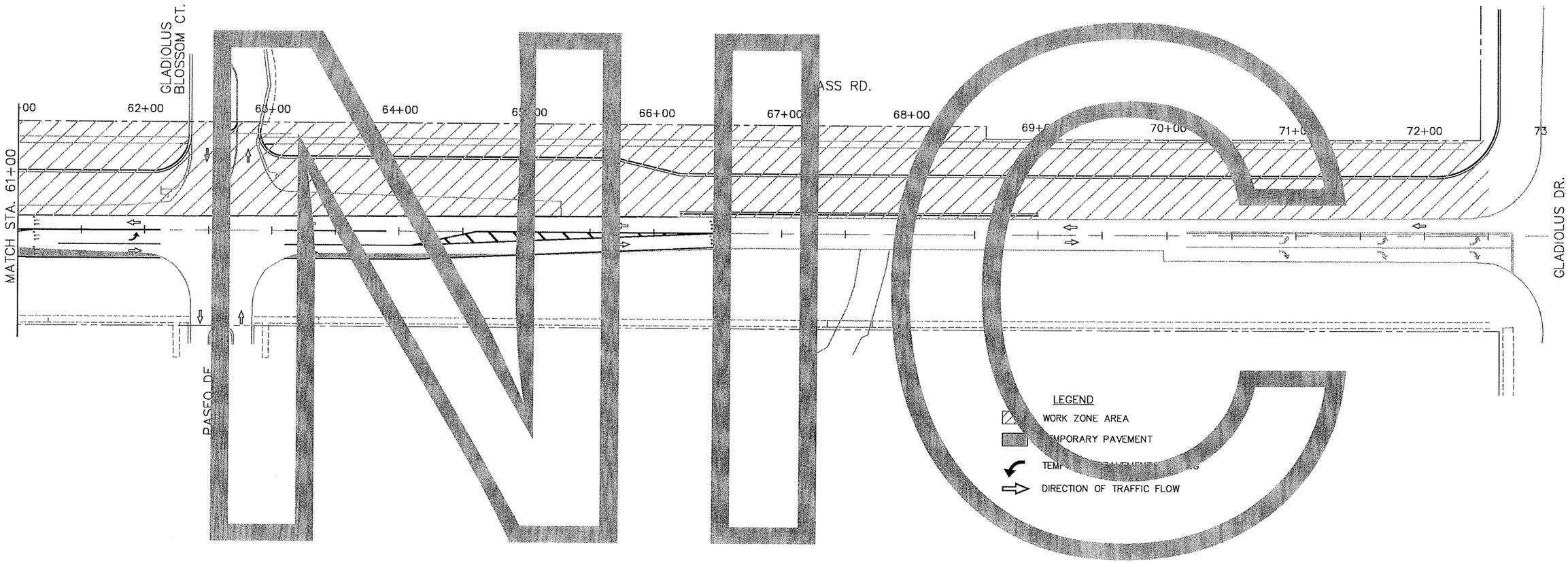
TRAFFIC CONTROL PLAN – BASS ROAD – STAGE I

SHEET 157 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091701.dwg 11/13/2007 11:30:22 AM EST

GRAPHIC SCALE

40 0 20 40 80



JAN 08 2008

PHASE I ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: DOK	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091702	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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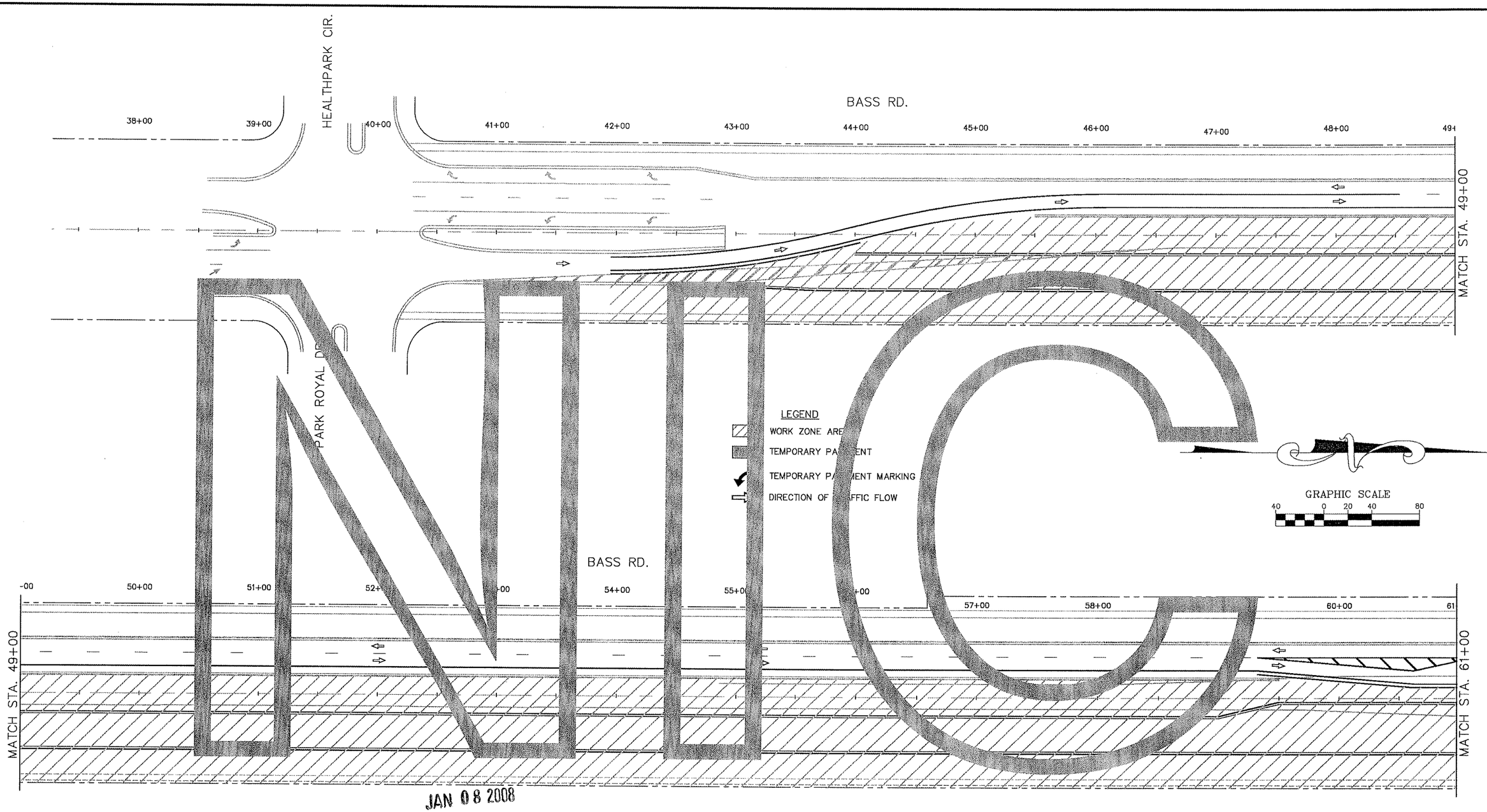
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – BASS ROAD STAGE I

SHEET 158 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091702.dwg 11/13/2007 11:31:59 AM EST



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: DOK	DATE: 11/07		1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091703		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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FLORIDA
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

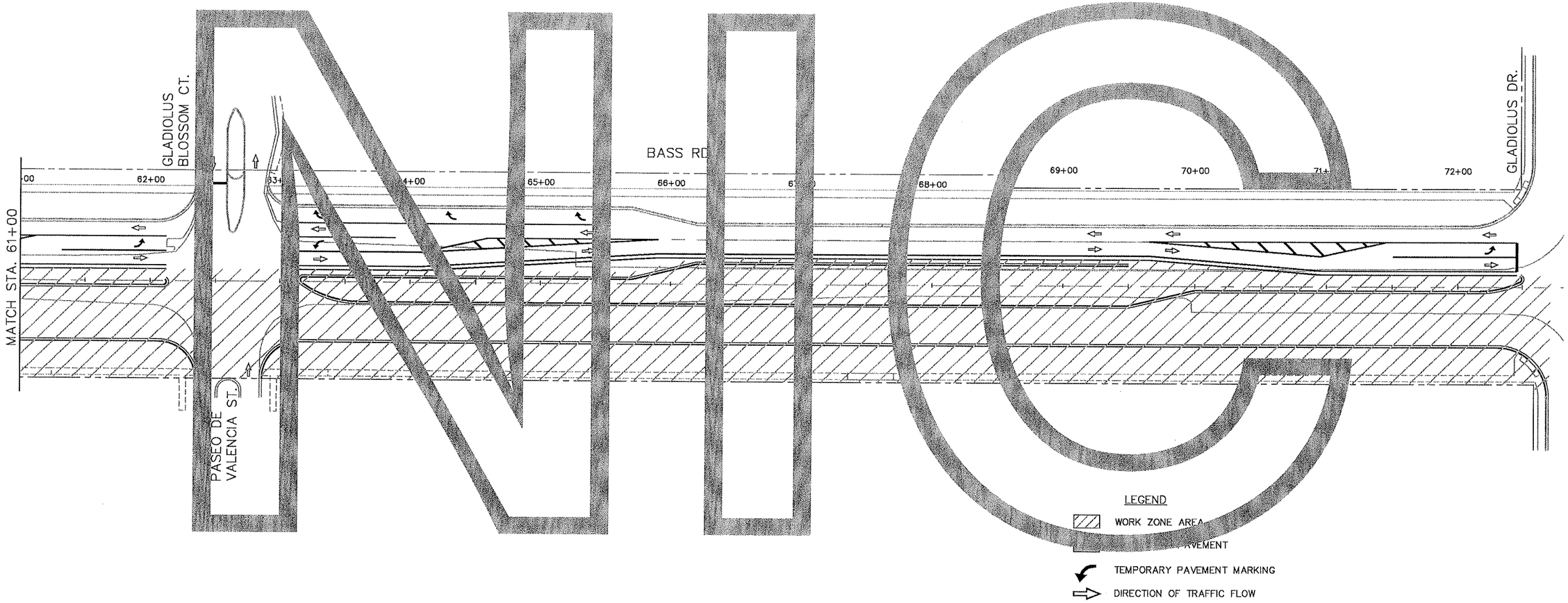
TRAFFIC CONTROL PLAN – BASS ROAD STAGE 2

SHEET 159 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091703.dwg 11/13/2007 11:33:16 AM EST

GRAPHIC SCALE

40 0 20 40 80



JAN 08 2008

PHASE 1 ROADWAY PLAN – A&W BULB RD. TO WINKLER RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: DOK	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091704	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHE..Ar
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – BASS ROAD STAGE 2

SHEET 160 of 207 SHEETS

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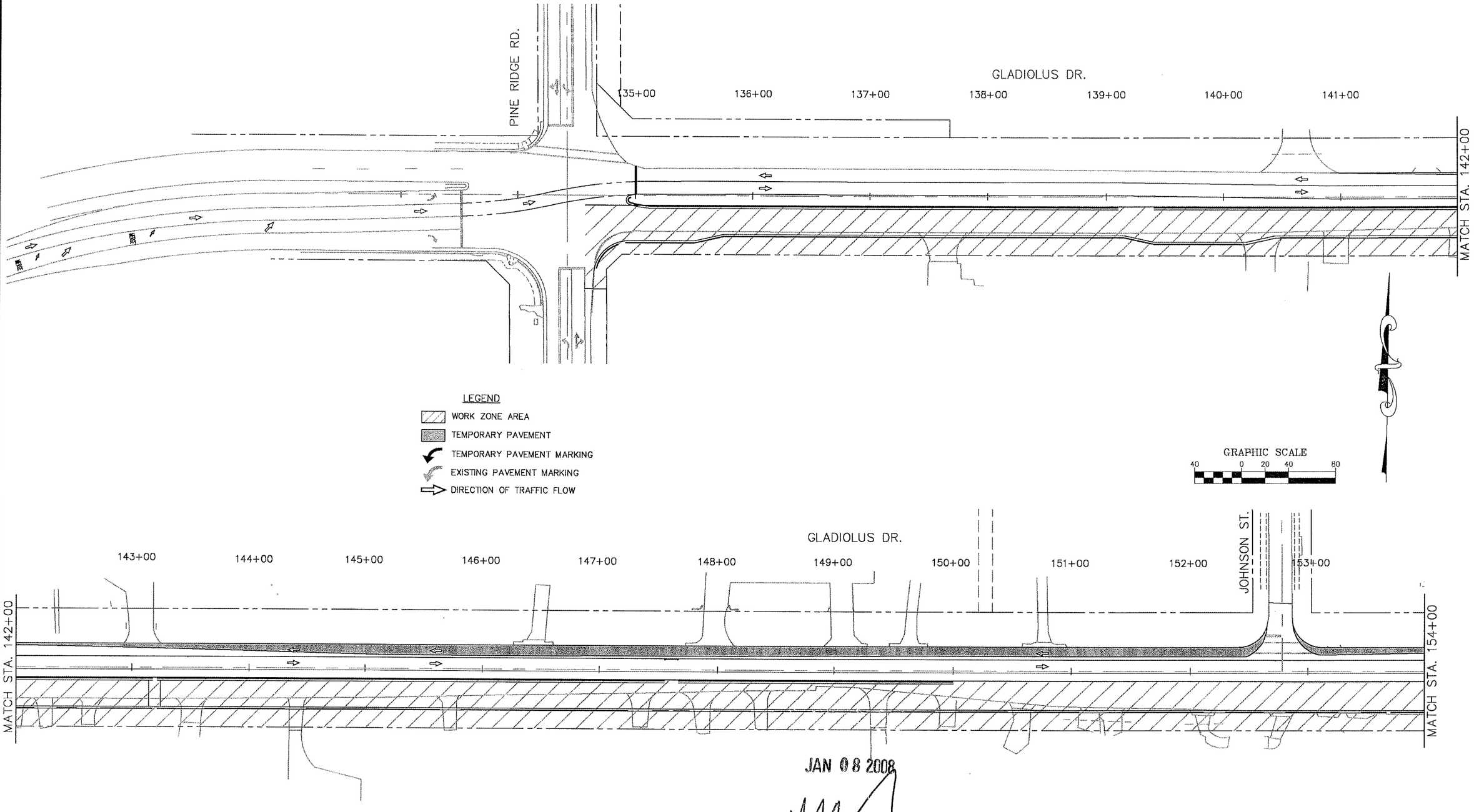

JAN 08 2008

PHASE 2 ROADWAY PLAN – PINE RIDGE ROAD TO A&W BULB RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2.dwg\020091705.dwg 11/13/2007 11:36:03 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091705	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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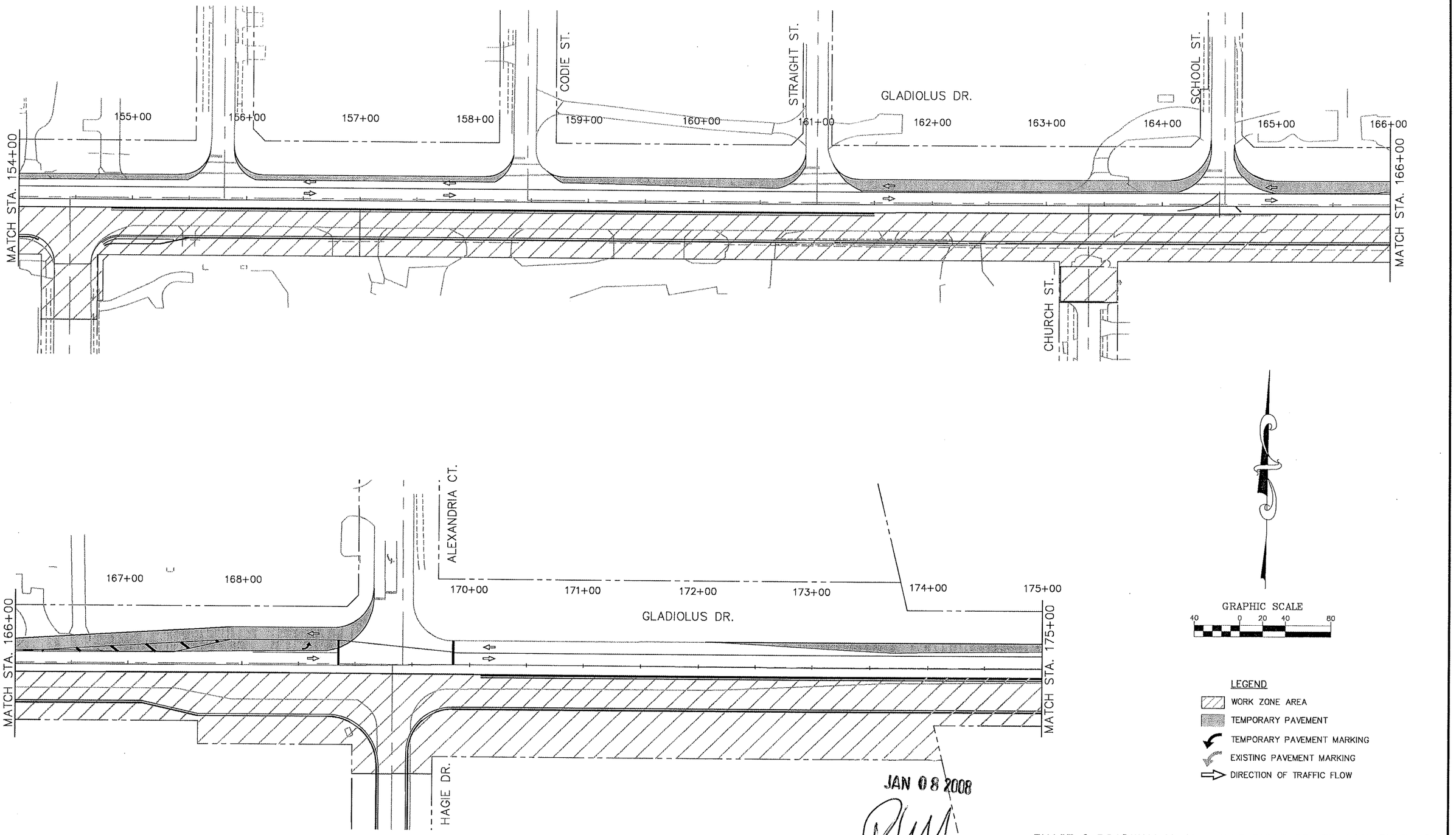
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 161 of 207 SHEETS



GRAPHIC SCALE

40 0 20 40 80

LEGEND

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT MARKING
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC FLOW

JAN 08 2008

PHASE 2 ROADWAY PLAN – PINE RIDGE RD. TO A&W BULB RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

C:\Land Projects 2005\02009-2\dwg\020091706.dwg 11/13/2007 11:38:33 AM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091706	N/A	(11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA

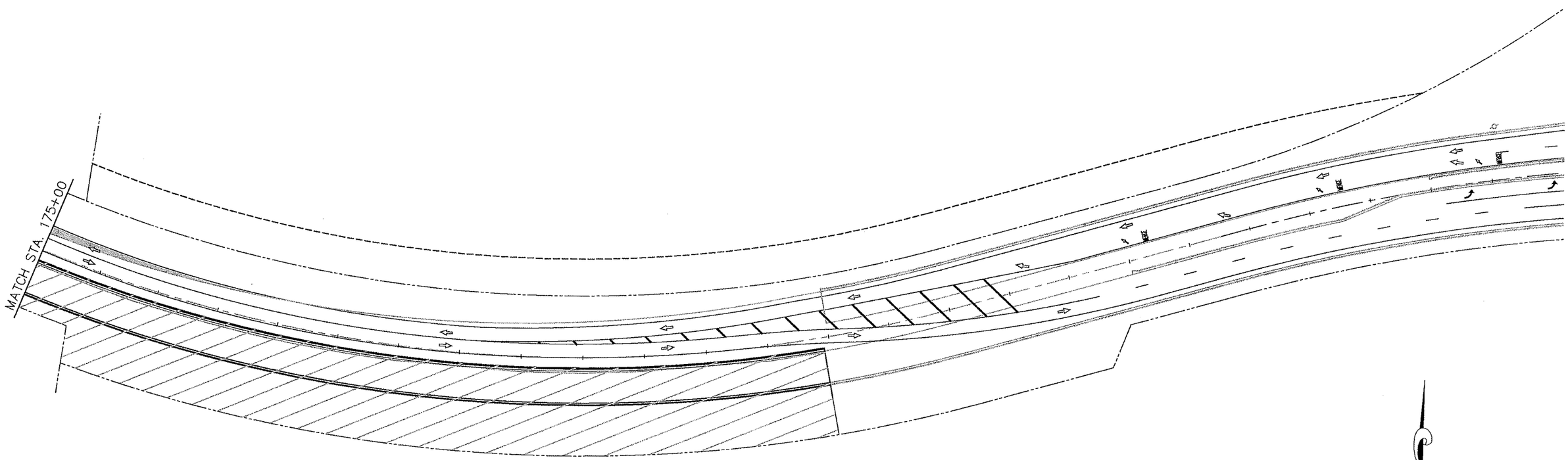
DEPARTMENT
of
TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 162 of 207 SHEETS



GRAPHIC SCALE

40 0 20 40 80

LEGEND

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT MARKING
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC FLOW

JAN 08 2008

PHASE 2 ROADWAY PLAN – PINE RIDGE RD. TO A&W BULB RD.
STAGE 1 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: LLC	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091720	N/A	(11"x17")

APPROVED BY: _____

PROFESSIONAL ENGINEER
FLORIDA PE NO. _____

DATE: _____

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FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

DEPARTMENT
of
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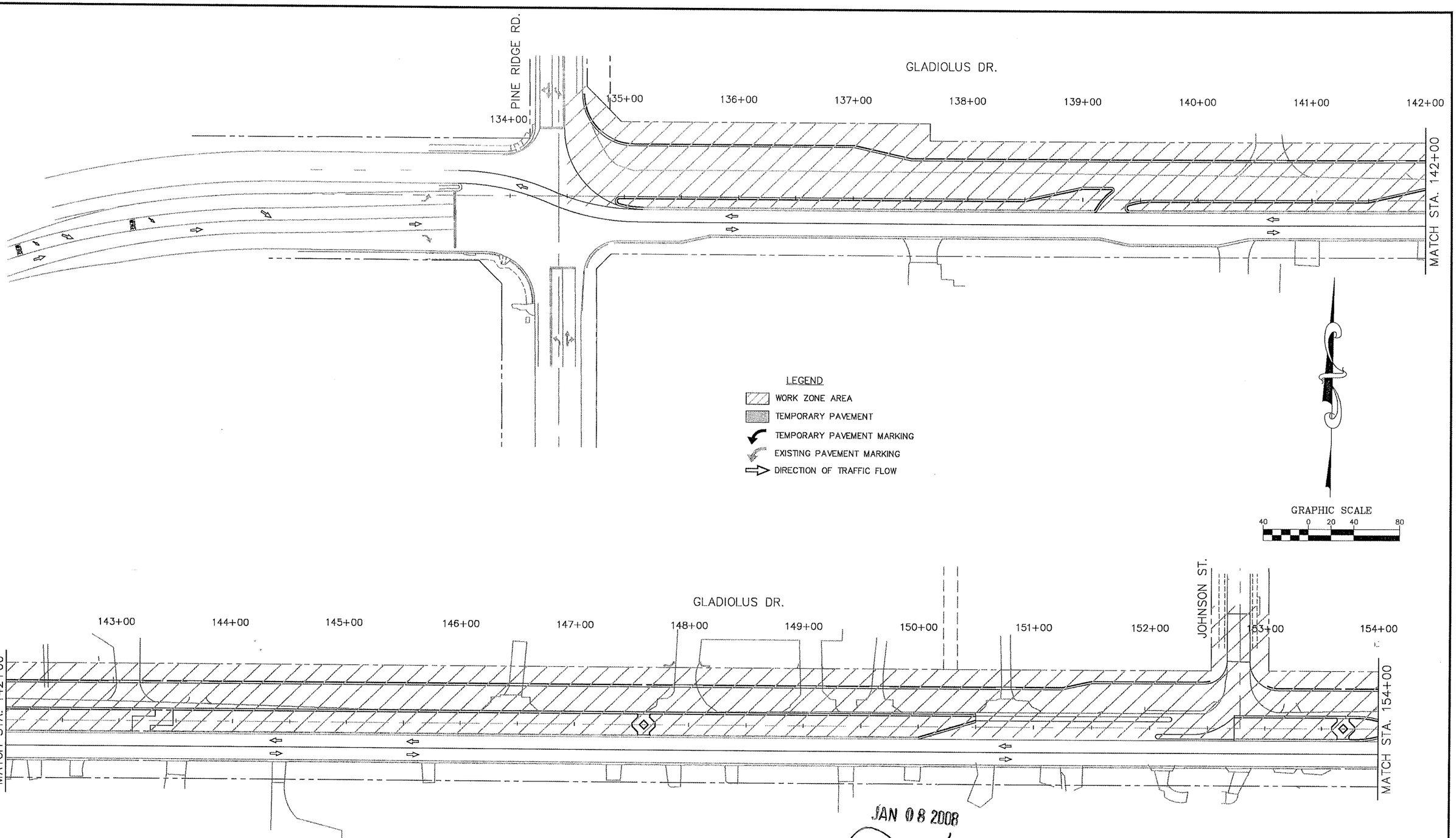
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 1

SHEET 163 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091720.dwg 11/13/2007 12:08:32 PM EST



JAN 08 2008

PHASE 2 ROADWAY PLAN – PINE RIDGE RD. TO A&W BULB RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091711	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 164 of 207 SHEETS

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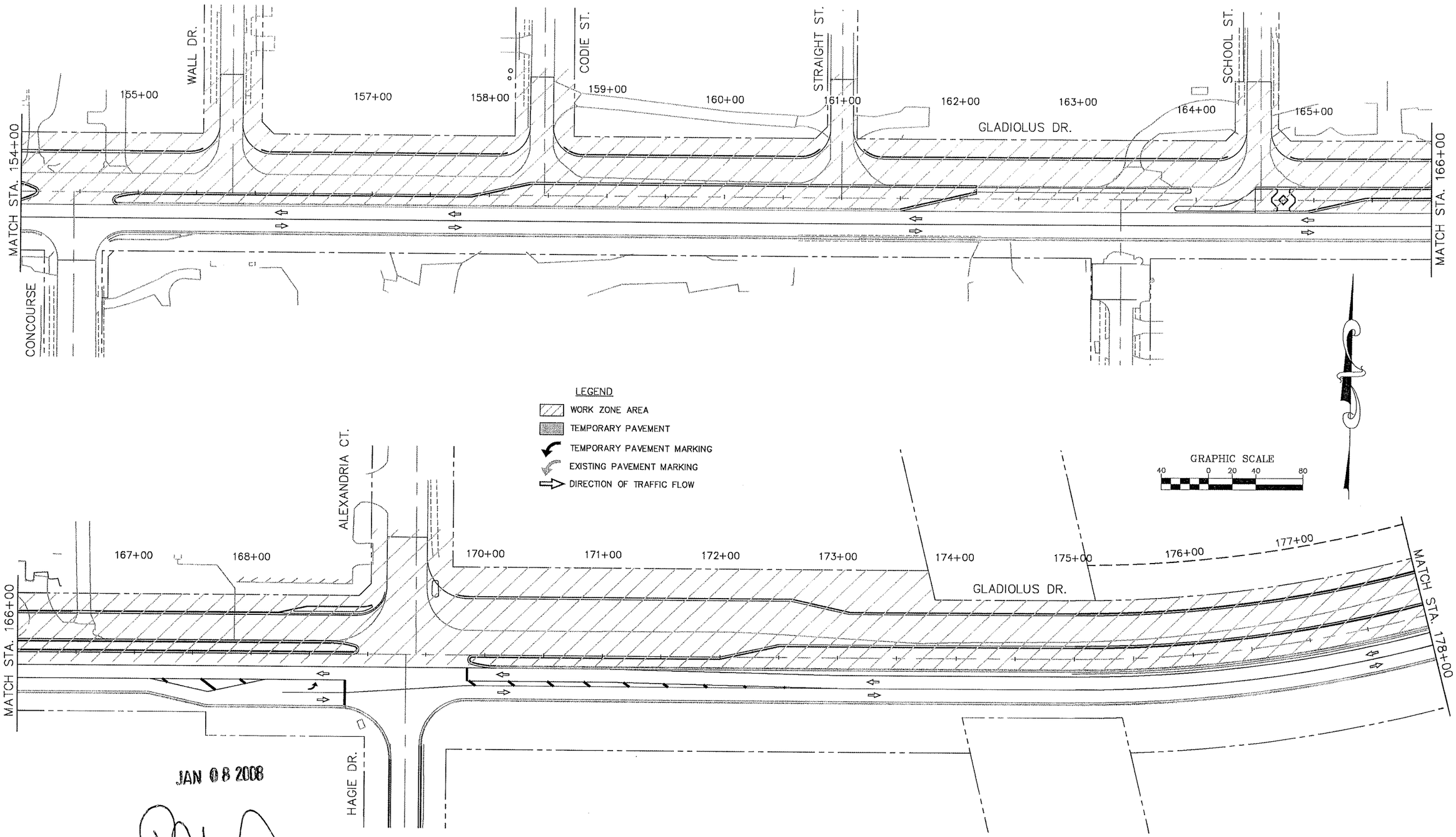

JAN 08 2008

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PHASE 2 ROADWAY PLAN – PINE RIDGE RD. TO A&W BULB RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07		1"=80' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091712		N/A (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
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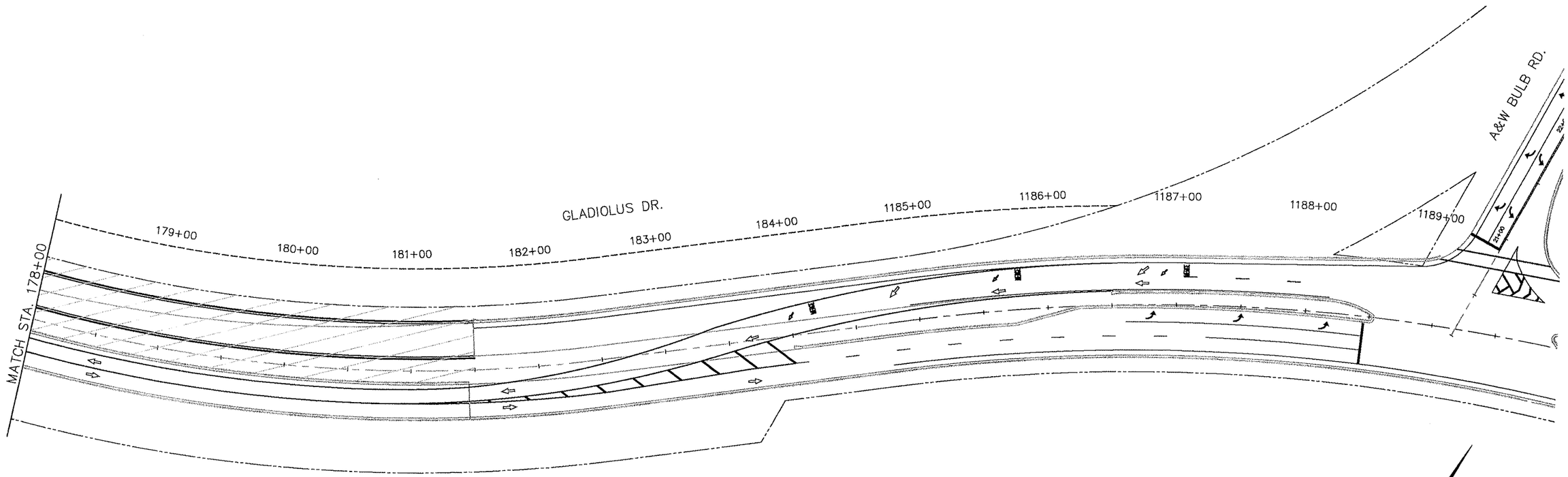
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 165 of 207 SHEETS



LEGEND

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT MARKING
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC FLOW

GRAPHIC SCALE

40 0 20 40 80

JAN 08 2008

PHASE 2 ROADWAY PLAN – PINE RIDGE RD. TO A&W BULB RD.
STAGE 2 TRAFFIC CONTROL PLAN Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: LLC	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091721	N/A	(11"x17")

APPROVED BY:

PROFESSIONAL ENGINEER
FLORIDA PE NO.

DATE:

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of
TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL PLAN – GLADIOLUS DR. STAGE 2

SHEET 166 of 207 SHEETS

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GENERAL NOTES:

1. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC CONTROL PLANS SHALL CONFORM TO THE CURRENT EDITION OF THE MUTCD, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (600 SERIES) AND THE FDOT STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION (2002).

2. THE TRAFFIC CONTROL PLANS ARE INTENDED AS A GUIDE. THE CONTRACTOR HAS THE OPTION TO SUBMIT ALTERNATIVE PLANS FOR REVIEW AND APPROVAL BY LEE COUNTY DEPARTMENT OF TRANSPORTATION FOR IMPLEMENTATION.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE AND EFFICIENT OPERATION OF ALL SIGNALS AND THE SIGNALIZED MOVEMENT OF TRAFFIC WITHIN THE PROJECT. THIS WILL INCLUDE ALIGNING SIGNAL HEADS AND DETERMINING TRAFFIC SIGNAL TIMINGS DURING EACH CONSTRUCTION PHASE.

4. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR BUSINESSES, PEDESTIANS, PEDESTRIAN CROSSWALKS, ADJACENT PROPERTY AND BUS OPERATIONS DURING CONSTRUCTION.

5. VARIABLE MESSAGE SIGNS ARE TO BE PLACED AT THE BEGINNING AND END OF PROJECT OR AT THE DIRECTION OF THE ENGINEER.

PERMITTED HOURS FOR LANE CLOSURE:

MAINTAIN ONE LANE EACH DIRECTION AT ALL TIMES.
GLADIOLUS DRIVE BETWEEN 10 AM AND 4 PM.
BASS ROAD AND A&W BULB ROAD BETWEEN 10 AM AND 6 PM.
HAGIE DRIVE MAY BE CLOSED FOR THE CONSTRUCTION OF THE STORM SEWER AND THE NEW TYPICAL SECTION.

PHASE NOTES

PRIOR TO IMPLEMENTING THE PROPOSED CONSTRUCTION PHASES, THE CONTRACTOR SHALL PERFORM ALL WORK THAT DOES NOT REQUIRE TRAFFIC FLOW INTERRUPTION ON GLADIOLUS AND BASS ROADS. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. CONSTRUCTION OF ALL THE CONTROL STRUCTURES.
2. PROPOSED DRAINAGE AND PAVEMENT ALONG HAGIE DR. AND A&W BULB RD.

STAGE 1:

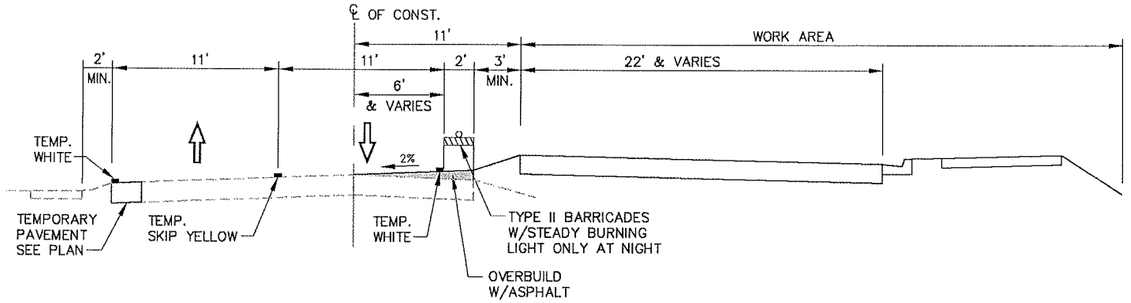
1. WHILE MAINTAINING EXISTING TRAFFIC CONDITIONS AND BY CLOSING LANES DURING NON-PEAK DAYLIGHT HOURS, PREPARE EXISTING ROAD FOR STAGE 1 TRAFFIC SHIFT:
   A. TEMPORARY PAVEMENT
   B. PAVEMENT OVERBUILD TO REDIRECT DRAINAGE AWAY FROM THE CONSTRUCTION ZONE.
   C. TEMPORARY MARKING (PAINT), BARRICADES AND OTHER TRAFFIC CONTROL DEVICES.
2. SHIFT TRAFFIC AS DEPICTED ON STAGE 1 PLANS AND TYPICAL SECTIONS.
3. CONSTRUCT PROPOSED ITEMS WITHIN THE WORK ZONE.
4. CONSTRUCT THE STORM SEWER MAIN TRUNK LINE FOR ALL DRAINAGE BASINS.
5. PREPARE ROAD FOR STAGE 2 TRAFFIC SHIFT.

STAGE 2:

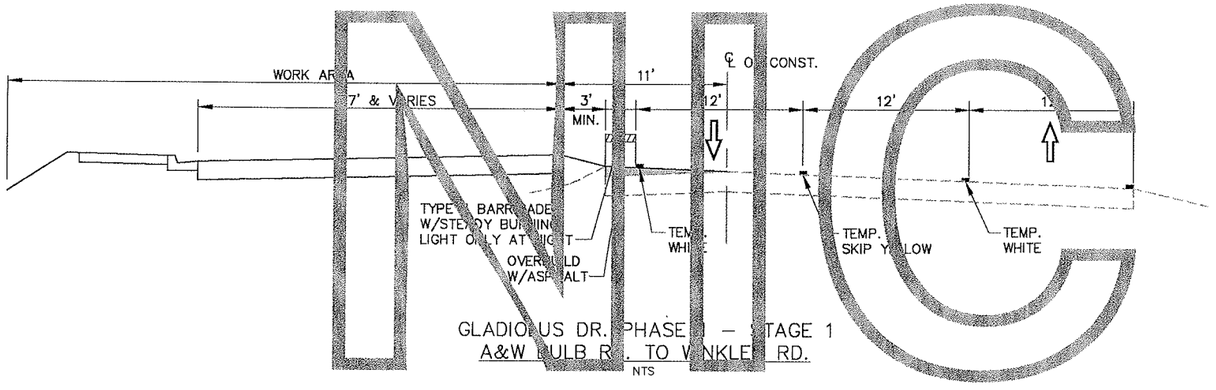
1. SHIFT TRAFFIC AS DEPICTED ON STAGE 2 PLANS AND TYPICAL SECTIONS.
2. CONSTRUCT PROPOSED ITEMS WITHIN THE WORK ZONE.
3. PREPARE ROAD FOR STAGE 3 TRAFFIC SHIFT.

STAGE 3:

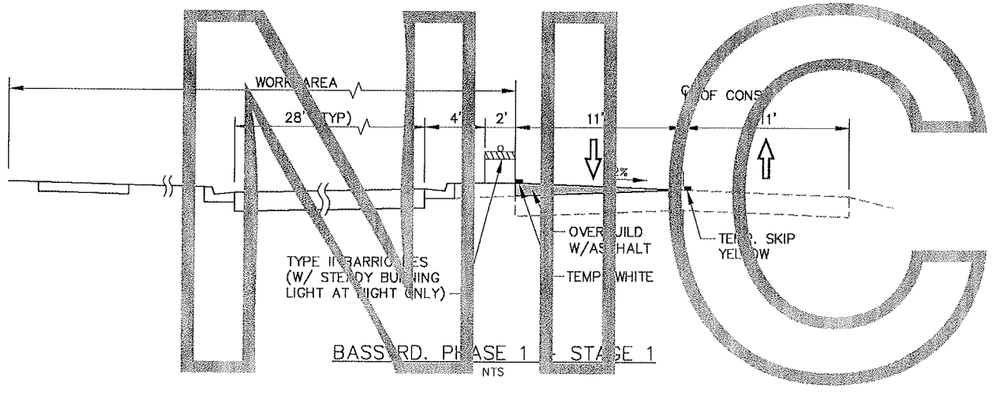
1. SHIFT TRAFFIC AS DEPICTED ON STAGE 3 TYPICAL SECTIONS.
2. CONSTRUCT MEDIAN AND OTHER ITEMS NOT CONSTRUCTED IN STAGES 1 AND 2.



GLADIOLUS DR. PHASE 2 – STAGE 1
PINE RIDGE RD. TO A&W BULB RD.
NTS



GLADIOLUS DR. PHASE 1 – STAGE 1
A&W BULB RD. TO WINKLER RD.
NTS



BASS RD. PHASE 1 – STAGE 1
NTS

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091717	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 50391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
TRAFFIC CONTROL TYPICAL SECTIONS – STAGE 1

SHEET 167 of 207 SHEETS

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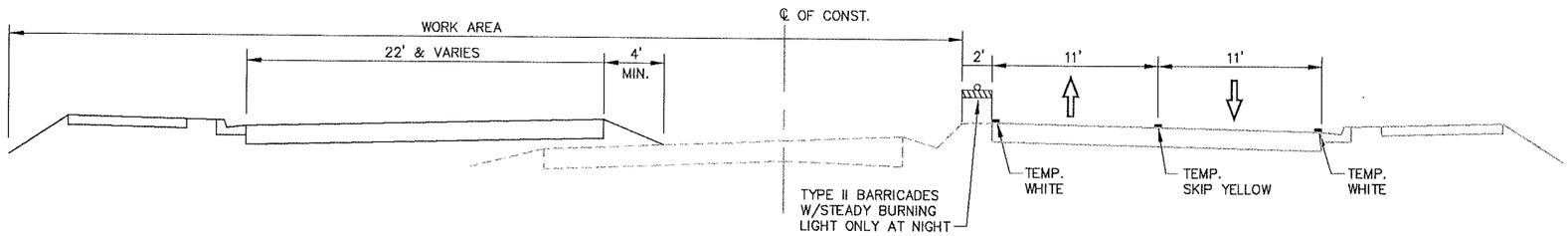
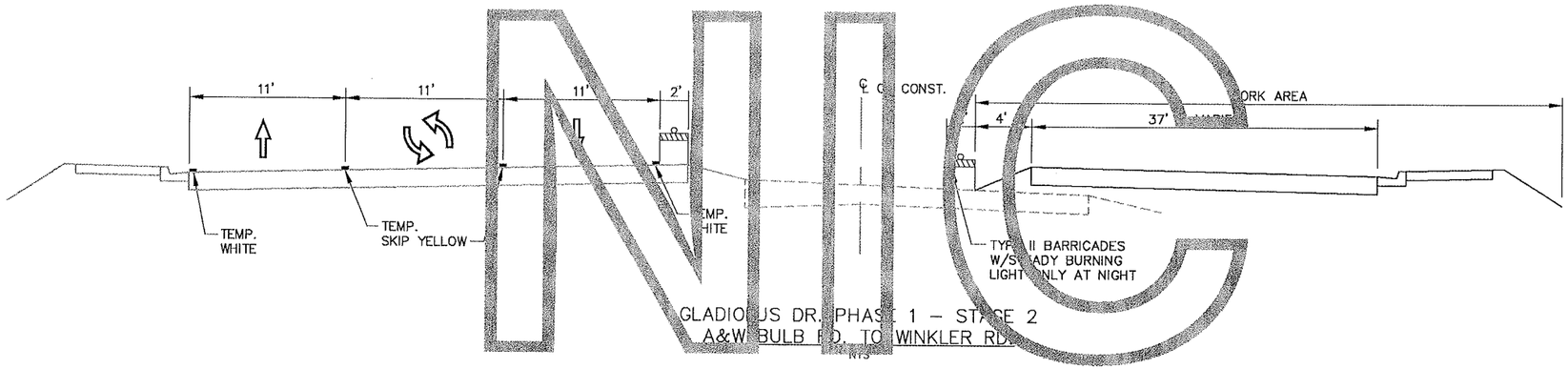
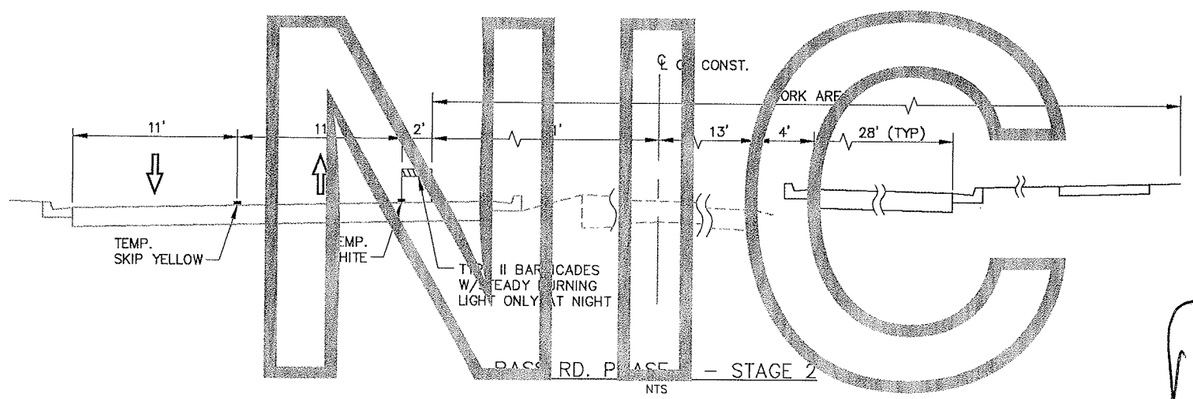


GLADIOLUS DR. PHASE 2 – STAGE 2
PINE RIDGE RD. TO A&W BULB RD.
NTS



GLADIOLUS DR. PHASE 1 – STAGE 2
A&W BULB RD. TO WINKLER RD.
NTS



RAS RD. PHASE – STAGE 2
NTS

JAN 0 8 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: N/A	
DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091718	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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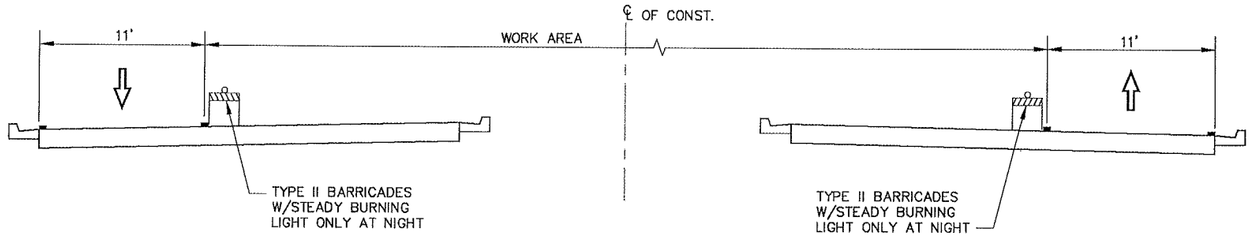
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL TYPICAL SECTIONS – STAGE 2

SHEET 168 of 207 SHEETS



GLADIOLUS DR. STAGE 3
BASS RD. STAGE 3
NTS

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=40'	
DRAWN: LLC	DATE: 11/07	1"=80'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020091719	N/A	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

TRAFFIC CONTROL TYPICAL SECTIONS – STAGE 3

SHEET 169 of 207 SHEETS

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GENERAL NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE-CALL OF FLORIDA, INC. (1-800-432-4770) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) BUSINESS DAYS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION ON THE JOB SITE.

UTILITY CONTACTS:

FP&L	SCOTT OVERBAUGH	239-332-9154
EMBARQ	RON POPP	239-336-2162
LEE COUNTY UTILITIES	KIM HOSKINS	239-533-8571
COMCAST CABLE	PAUL BAHIZI	239-732-3861
LEE COUNTY SIGNALS	MIKE SAY	239-533-9514

GRAPHIC SCALE
20 0 10 20 40

PINE RIDGE RD.
GLADIOLUS DR.
N89°06'27"E
STA. 134+42.49
N01°24'20"W
PROP. 24" RCP
OH POWER TO REMAIN
NOTE SEE INTERSECTION DETAIL SHEET
RELOCATED OHE
PROP. OH SIGNAL
FPL OE & POLE TO BE RELOCATED
PROP. 16" PVC FM IN 30" STEEL CASING DIRECTIONAL BORE
PROP. 16" EFF. WM IN 30" STEEL CASING DIRECTIONAL BORE
OH SIG TO BE REMOVED
PROP. FOC OHTV
OH POWER TO REMAIN
PROP. OH SIGNAL
PROP. 2-3" CONDUIT W/FOC-BTV
PROP. TV VAULT
EXIST. FOC-BTV TO REMAIN
PROP. SIGNAL POLE LOCATION STA. 134+88, 58.5' L
PROPOSED POWER POLE
1200-BT TO LEFT IN PLACE OUT OF SERVICE
400-OT TO BE REMOVED
ADJUST BT TO MAX. 36" COVER DURING CONSTRUCTION
PROP. 24" RCP, 82 LF
EXIST. FM TO BE ABANDONED
PROP. 20" DIP WM IN 36" STEEL CASING
EXIST. EFF WM TO BE ABANDONED OR REMOVED
PROP. 24" RCP, 346 LF
REINSTALL EXIST. FIRE HYDRANT
EXIST. WM TO BE REMOVED
PROP. SIGNAL POLE LOCATION STA. 134+74.5, 65' R
2-FOC BTV LEFT IN PLACE OUT OF SERVICE
EXIST. EFF WM TO REMAIN
EXIST. WM TO REMAIN
PROP. TYPE "F" CURB & GUTTER
TELEPHONE POLE TO BE REMOVED
BT UG CONDUIT SYSTEM TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
PROP. 1-BT 1' OFF R/W
PROP. LIGHTING CONDUIT
PROP. 8' CONC. SIDEWALK
PROP. R/W
REINSTAL EXIST. OR INSTALL NEW FIRE HYDRANT
PROP. LIGHT POLE (TYP)
PROP. 20" DIP WM
TELEPHONE POLE TO BE REMOVED
PROP. ℄ OF CONST. & ℄ OF SURVEY
PROP. SIGNAL INTERCONNECT
PROP. 8" PVC FM
PROP. 24" RCP, 147 LF
OH POWER TO REMAIN
2-FOC-OHTV 1-COAX-OHTV TO REMAIN
PROP. FOC-OHTV
EXIST. FIRE HYDRANT TO BE REINSTALLED ON WM IF FUNCTIONAL
2-FOC BTV LEFT IN PLACE OUT OF SERVICE
PROP. 1-BT BORE BT 72" MIN. DEPTH
25 BT TO BE LEFT IN PLACE OUT OF SERVICE
EXIST. BT TO REMAIN
MATCH STA. 139+00
10+00
11+00
9+00
134+00
135+00
136+00
137+00
138+00
139-

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
45	TELEPHONE MANHOLE CONDUIT	135+07.66	37.35 LT	1.81	5.47	
47	LCU WATER	134+56.69	79.71' RT		5.92	
48	EFFLUENT WATER MAIN	134+65.60	69.20' RT	3.24	6.22	
54	SEWER FORCE MAIN	134+71.63	63.62' RT	3.24	6.23	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07 | HORIZ. SCALE: 1"=20'
DRAWN: LLC DATE: 11/07 | 1"=40' (11"x17")
CHECKED: RKP DATE: 11/07 | VERT. SCALE: 1"=2'
PROJ NO.: 4083 FILE: 020091801 | 1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotlile.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENT - GLADIOLUS DRIVE

SHEET 170 of 207 SHEETS

C:\Land Projects 2005\02005-2\dwg\02009180l.dwg 1/7/2008 11:35:42 AM EST

GRAPHIC SCALE
20 0 10 20 40

400-OT TO BE REMOVED
ADJUST EXIST. BT TO MAXIMUM 36" DEPTH OF COVER DURING CONSTRUCTION
BT UG CONDUIT SYSTEM TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
400-BT TO REMAIN
REINSTALL EXIST. OR INSTALL NEW FIRE HYDRANT
1200 BT LEFT IN PLACE OUT OF SERVICE
PROP. 1-BT 1' OFF R/W
TELE MH TO REMAIN ADJUST MH LID TO FINAL GRADE DURING CONSTRUCTION
PROTECT BT DURING CONSTRUCTION OF DRAINAGE & WATERMAIN
400-OT TO BE REMOVED
PROP. 8" PVC SANITARY SEWER
400-OT 25-OT TO BE REMOVED
PROP. GRAVITY WALL TOP EL. 7.00
BT UG CONDUIT SYSTEM TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
PROP. 15" RCP, 11± LF
145+00
EXIST. SS MH TO BE ABANDONED
+00
PROP. LIGHTING CONDUIT
140+00
PROP. 20" DIP WM
Fnd. Conc. Monument +03.52 50.25'
141+00
PROP. LIGHT POLE (TYP)
142+00
EXIST. GRAVITY SEWER TO BE ABANDONED
143+00
PROP. 8' CONC. SIDEWALK
144+00
PROP. HANDRAIL 20 LF SEE DETAIL
Gate
Chain Link Fence
Vvh-41
EXIST. SS MANHOLE TO BE ABANDONED
PROP. SS MANHOLE 38
PROP. 4" IRRIGATION
PROP. 18" RCP, 196 LF
TEL. MH
PROP. 18" RCP, 148 LF
Sidewalk
GLADIOLUS DR.
N89°06'27"E
PROP. ℄ OF CONST. & ℄ OF SURVEY
PROP. SS MANHOLE 39
MATCH STA. 139+00
MATCH STA. 145+00
PROP. 8" SLEEVE 2" ELECTRICAL WIRE SLEEVE
PROP. 24" RCP, 69 LF
PROP. 24" RCP Exist. EOP
EXIST. SS MH TO BE ABANDONED
PROP. 36" RCP, 164 LF
PROP. SS MANHOLE 47
EXIST. GRAVITY SEWER TO BE ABANDONED
PROP. 8" SLEEVE 2" ELECTRICAL WIRE SLEEVE
PROP. CONCRETE SIDEWALK
PROP. 36" RCP, 428 LF
PROP. LIGHTING CONDUIT
25-BT LEFT IN PLACE OUT OF SERVICE
PROP. 12" PVC, 5 LF
PROP. FOC-OHTV
PROP. SIGNAL INTERCONNECT
PROP. BT BORE 1-BT 72" MIN. DEPTH
2-FOC BTV LEFT IN PLACE OUT OF SERVICE
PROP. 8" PVC FM
EXIST. FM TO BE ABANDONED
Exist. Wall With Fence
PROP. LIGHTING CONDUIT
25-BT TO REMAIN
PROP. 8" PVC SANITARY SEWER
OE/OHTV TO REMAIN
EXIST. FIRE HYDRANT TO BE REINSTALLED IF FUNCTIONAL
EXIST. WM TO BE REMOVED
TELEPHONE PEDESTAL #4870 TO REMAIN
TELEPHONE PEDESTAL #29615 TO REMAIN
TELEPHONE PEDESTAL #29616 TO REMAIN

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
41	TELEPHONE MANHOLE CONDUITS	140+01.12	27.85' LT	1.50	5.50	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091802	1"=4' (11"x17")	

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 171 of 207 SHEETS

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GRAPHIC SCALE
20 0 10 20 40

+00
1200-BT LEFT IN PLACE OUT OF SERVICE
BT UG CONDUIT SYSTEM TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
146+00
ADJUST BT TO MAXIMUM 36" DEPTH OF COVER DURING CONSTRUCTION
400-OT 25-OT TO BE REMOVED
PROP. 18" RCP, 96 LF
147+00
PROP. 1-BT 1' OFF R/W
PROP. 8' CONCRETE SIDEWALK
PROP. 20" DIP WM
PROP. LIGHTING CONDUIT
148+00
EXIST. GRAVITY SEWER TO BE ABANDONED
PROP. LIGHT POLE (TYP)
EXIST. SS MANHOLE TO BE ABANDONED
PROP. 15" RCP, 96 LF
149+00
TELE MH TO REMAIN ADJUST MH LID TO FINAL GRADE DURING CONSTRUCTION
150+00
PROP. TYPE "F" CURB & GUTTER
PROP. 18" RCP, 217 LF
BT UG CONDUIT SYSTEM TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
151-

MATCH STA. 145+00
PROP. SS MH 48
PROP. 4" IRRIGATION
PROP. CONC. SIDEWALK W/TYPE "D" CURB
GLADIOLUS DR.
PROP. 8" PVC SS
N89°06'27"E
PROP. SS MANHOLE 40
EXIST. SS MH TO BE ABANDONED
MATCH STA. 151+00
PROP. 8" SLEEVE & 2" ELECTRICAL WIRE SLEEVE
PROP. ℄ OF CONST. & ℄ OF SURVEY
EXIST. SS MH TO BE ABANDONED
PROP. TYPE "F" CURB & GUTTER
PROP. 8" SLEEVE & 2" ELECTRICAL WIRE SLEEVE
PROP. 24" RCP, 62 LF
EXIST. GRAVITY SEWER TO BE ABANDONED
PROP. SS MANHOLE 49
PROP. 48" RCP, 186 LF
PROP. 48" RCP, 366 LF
OH POWER TO REMAIN
2-FOC-OHTV 1-COAX-OHTV TO REMAIN
25-BT TO REMAIN
PROP. SIGNAL INTERCONNECT
TELEPHONE PEDESTAL TO REMAIN
PROP. LIGHTING SERVICE POINT
EXIST. WM TO BE REMOVED
2-FOC BTV LEFT IN PLACE OUT OF SERVICE
PROP. FOC-OHTV
PROP. 8" PVC FM
NOTE SEE DRIVEWAY DETAIL SHEET PARCEL 13
TELEPHONE PEDESTAL #29619 TO REMAIN
+53
+77.5
PROP. GRAVITY WALL TOP EL. 7.50
EXIST. FM TO BE ABANDONED
PROP. 8" PVC SANITARY SEWER
TELEPHONE PEDESTAL #29622 TO REMAIN
Exist. Wall With Fence
TELEPHONE PEDESTAL #29624 TO REMAIN
PROP. LIGHTING CONDUIT
EXIST. WM TO BE ABANDONED
EXIST. WM TO BE REMOVED
TELEPHONE PEDESTAL #29616 TO REMAIN

JAN 08 2008

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
32	TELEPHONE MANHOLE CONDUITS	146+01.29	27.78 LT	1.65	4.93	

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091803
HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 172 of 207 SHEETS

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GRAPHIC SCALE
20 0 10 20 40

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
22	TELEPHONE MANHOLE CONDUIT	156+00.32	26.67' LT	2.09	5.52	
30	TELEPHONE MANHOLE CONDUIT	154+18.87	25.90' LT	2.62	5.59	
31	TELEPHONE MANHOLE CONDUIT	151+58.93	27.41' LT	2.20	5.32	
44	TELEPHONE MANHOLE CONDUIT	155+80.42	27.25' LT	2.26	5.60	
46	LCU WATER MAIN	154+26.39	56.32' RT	0.40	5.08	
53	LCU WATER MAIN	155+65.17	62.95' LT	-0.48	4.55	
55	TELEPHONE MANHOLE CONDUIT	154+50.71	59.75' RT	2.18	5.25	
57	TELEPHONE MANHOLE CONDUIT	152+80.17	27.49' LT		5.46	
123	LCU SEWER	155+98.11	60.19' LT		4.59	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091804
HORIZ. SCALE: 1"=20' (1"=40' (11"x17"))
VERT. SCALE: 1"=2' (1"=4' (11"x17"))

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENS -- GLADIOLUS DRIVE

SHEET 173 of 207 SHEETS

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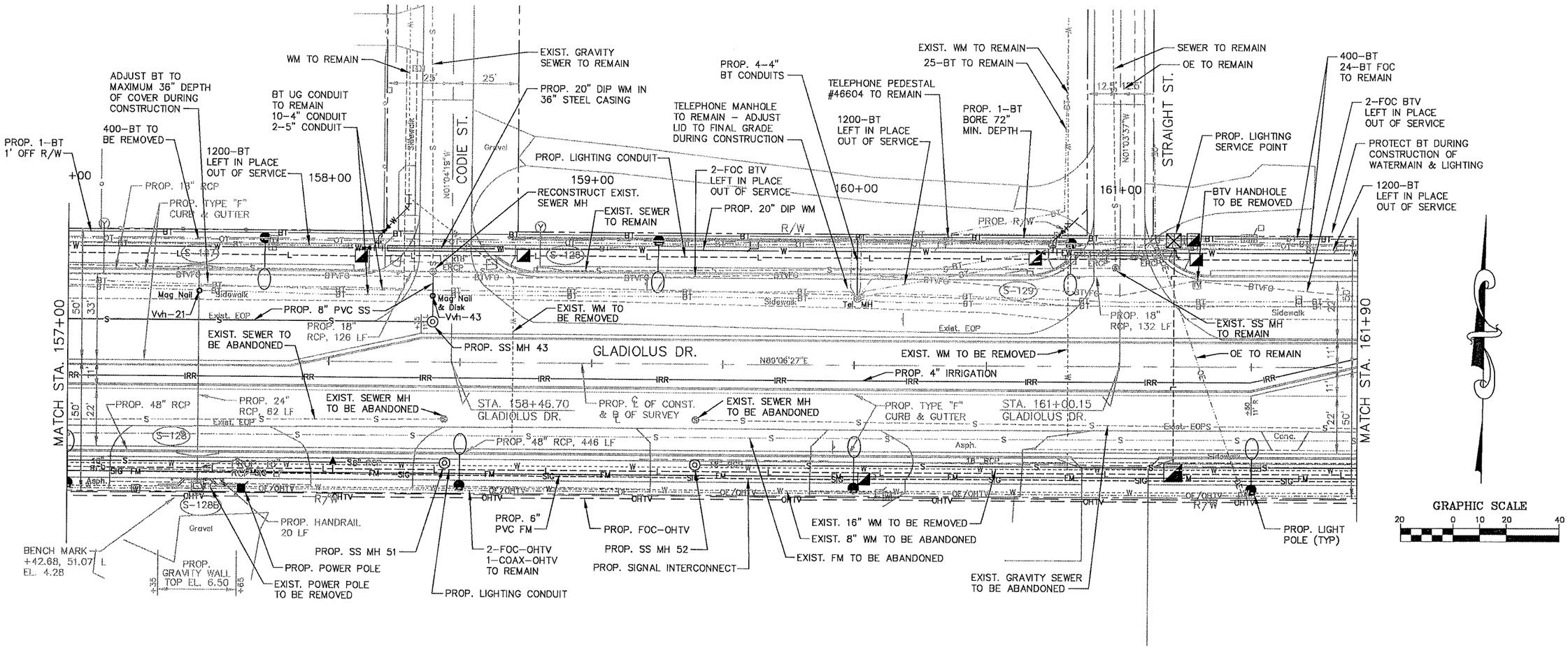

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
21	TELEPHONE MANHOLE CONDUIT	157+50.10	26.63' LT	1.52	5.80	
43	TELEPHONE MANHOLE CONDUIT	158+39.33	27.37' LT	2.09	5.76	

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Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091805	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET 174 of 207 SHEETS

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GRAPHIC SCALE
20 0 10 20 40

PROTECT BT DURING CONSTRUCTION OF WATERMAIN & LIGHTING
EXIST. SEWER MH TO BE ABANDONED
PROP. 8" SEWER
PROP. SS MANHOLE 44
PROP. 1-BT BORE 72" MIN. DEPTH
1200-BT LEFT IN PLACE OUT OF SERVICE
PROP. LIGHTING CONDUIT
EXIST. GRAVITY SEWER TO BE ABANDONED
PROP. 20" WM
200-BT
24-BT FOC TO REMAIN
2-FOC-BTV LEFT IN PLACE OUT OF SERVICE
WM TO REMAIN
SCHOOL ST.
EXIST. SEWER TO REMAIN
EXIST. FM TO REMAIN
24-BT FOC TO REMAIN
OE TO REMAIN
50-OT FOC TO REMAIN
EXIST. SEWER MH TO REMAIN
TELE HANDHOLE TO REMAIN
BT UG CONDUIT TO REMAIN
10-4" CONDUIT
2-5" CONDUIT
400-OT
25-OT TO BE REMOVED
PROP. 1-BT 1' OFF R/W
ADJUST BT TO MAXIMUM 36" OF COVER DURING CONSTRUCTION
1200-BT LEFT IN PLACE OUT OF SERVICE
Chain Link Fence
162+00
163+00
164+00
165+00
166+00
167+00
PROP. R/W
TELEPHONE PEDESTAL #46605 TO REMAIN
TELEPHONE PEDESTAL #4586 TO REMAIN
Vvh-20
S-130
PROP. 8' CONC. SIDEWALK
R/W
Vvh-19
Vvh-18
Vvh-42
Vvh-17
Vvh-16
S-132B
S-132
PROP. 8" WM IN 18" CASING
PROP. SS MANHOLE 45
PROP. 4" PVC FM IN 12" STEEL CASING
OE TO REMAIN
GLADIOLUS DR.
PROP. 18" RCP-146 LF
EXIST. FM TO BE REMOVED
PROP. 8" SLEEVE 2" ELECTRICAL WIRE SLEEVE
PROP. ℄ OF CONST. & ℄ OF SURVEY
PROP. 4" IRRIGATION LINE
EXIST. OE TO REMAIN
MATCH STA. 161+90
MATCH STA. 167+50
PROP. 24" RCP, 62 LF
EXIST. SEWER MH TO BE ABANDONED
100-BT TO REMAIN
EXIST. WM TO BE REMOVED
PROP. 8" SLEEVE 2" ELECTRICAL WIRE SLEEVE
EXIST. OE TO REMAIN
EXIST. SEWER MH TO BE ABANDONED
PROP. 24" RCP, 62 LF
PROP. 48" RCP, 66 LF
S-131
S-133
PROP. 18" RCP, 96 LF
PROP. 15" RCP, 12 LF
R/W
Vvh-51
TELEPHONE PEDESTAL #46606 TO REMAIN
PROP. 6" FM
EXIST. WM TO BE REMOVED
EXIST. WM TO BE ABANDONED
PROP. LIGHT POLE (TYP)
PROP. LIGHTING CONDUIT
PROP. CONC. COLLAR
50-BT TO REMAIN
2-FOC-OHTV
1-COAX-OHTV
TO REMAIN
PROP. 8' CONC. SIDEWALK
PROP. SEWER MH
PROP. FOC-OHTV
PROP. SIGNAL INTERCONNECT
+12.34
50.03' R
PROP. OE
REMOVE EXIST. OE/OHTV
LEE COUNTY PROPERTY
EXIST. GRAVITY SEWER TO BE ABANDONED
EXIST. FM TO BE ABANDONED
PROP. SS MH 53
EXIST. WM TO REMAIN
EXIST. SEWER TO REMAIN
25-BT TO REMAIN
25-BT TO REMAIN
ADJUST BT TO MAXIMUM 36" OF COVER DURING CONSTRUCTION
CHURCH ST.
Chain Link Fence

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
16	TELEPHONE MANHOLE CONDUIT	167+00.80	25.20' LT	1.01	4.68	
17	TELEPHONE MANHOLE CONDUIT	164+82.00	26.53' LT	1.49	4.78	
18	TELEPHONE MANHOLE CONDUIT	163+23.48	23.75' LT	2.45	5.60	
19	TELEPHONE MANHOLE CONDUIT	162+08.90	24.14' LT	2.01	5.54	
20	TELEPHONE MANHOLE CONDUIT	161+99.09	23.84' LT	2.08	5.51	
42	TELEPHONE MANHOLE CONDUIT	164+50.30	26.22' LT		5.46	
51	LCU WATER MAIN	163+22.55	43.29' RT	-0.70	4.72	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091806
HORIZ. SCALE: 1"=20' 1"=40' (11"x17")
VERT. SCALE: 1"=2' 1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA
DEPARTMENT of TRANSPORTATION
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET 175 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091806.dwg 1/7/2008 12:07:57 PM EST

GRAPHIC SCALE
20 0 10 20 40

ALEXANDRIA CT.

BT UG CONDUIT TO REMAIN
10–4" CONDUIT
2–5" CONDUIT

PROP. GRAVITY WALL TOP EL. 7.30

PROP. GRAVITY WALL & HANDRAIL TOP EL. 7.30

2–FOC BTV LEFT IN PLACE OUT OF SERVICE

1200–BT LEFT IN PLACE OUT OF SERVICE

400–OT, 25–OT TO BE REMOVED

BTV HANDHOLE TO BE REMOVED

PROP. 1–BT 1" OFF R/W

EXIST. SEWER & MH TO BE ABANDONED

PROP. SEWER

PROP. 4" IRRIGATION

EXIST. FM TO BE ABANDONED

PROP. FM

BT TO REMAIN

2–FOC BTV LEFT IN PLACE OUT OF SERVICE

PROP. 15" RCP, 7 LF

PROP. 48" RCP, 178 LF

REM. EX. TV CLOSURE

2–FOC OHTV TO REMAIN

REM. EX. POWER POLE & GUYS

PROTECT BT DURING CONSTRUCTION

PROP. OE & FOC OHTV

PROP. SIGNAL POLE LOCATION STA. 168+89, 60' R

STA. 169+32.76 GLADIOLUS DR.
STA. 35+12.52 HAGIE DR.

HAGIE DR.

PROP. 48" RCP

BT TO REMAIN

SEE SHEET 199

PROP. VALLEY GUTTER

STA. 169+42.65 GLADIOLUS DR.

EXIST. WM TO BE ABANDONED

PROP. 36" RCP, 293 LF

PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE

PROP. SIGNAL LOCATION STA. 169+66 52' L

PROP. SIGNAL POLE LOCATION STA. 169+75, 63' L

TELE POLE TO BE REMOVED

PROP. 2–4" TELEPHONE CONDUIT, 72" MIN. DEPTH TO NEW SIGNAL POLE

ADJUST TELE MH LID TO FINAL GRADE DURING CONSTRUCTION

Exist. Cable Marker

Tele. MH

PROP. TYPE "F" CURB & GUTTER

PROP. ℄ OF CONST. & ℄ OF SURVEY

GLADIOLUS DR.

Exist. EOP

1200–OT
400–OT
25–OT
TO BE REMOVED

PROP. 6' CONC. SIDEWALK

PROP. WM

REMOVE EXIST. TELEPHONE POLE

ADJUST BT CONDUIT TO MAXIMUM 36" DEPTH OF COVER DURING CONSTRUCTION

PROP. LIGHTING CONDUIT

PROP. RUBBLE RIP–RAP, 10'x10'

PROP. 24" RCP, 12 LF

PROP. 24" RCP, 82 LF

Mag Nail & Disk

Vvh–13

PROP. R/W

MATCH STA. 167+50

MATCH STA. 173+00

PROP. SIGNAL POLE LOCATION STA. 169+75, 48' R

PROP. 6' CONC. SIDEWALK

PROP. LIGHT POLE (TYP)

PROP. LIGHTING CONDUIT

PROP. SIGNAL INTERCONNECT

PROP. OE & FOC OHTV

PROP. R/W

Vvh–14

Vvh–15

IRC

S–01 S–02 S–135 S–136 S–136A S–137 S–138 S–139

168+00 169+00 170+00 171+00 172+00 173

35+00

-00

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VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
13	TELEPHONE MANHOLE CONDUIT	172+50.58	20.59' LT	2.00	5.97	
14	TELEPHONE MANHOLE CONDUIT	168+90.56	24.26' LT	2.11	5.41	
15	TELEPHONE MANHOLE CONDUIT	168+10.79	27.21' LT	1.61	4.96	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 02009107

HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

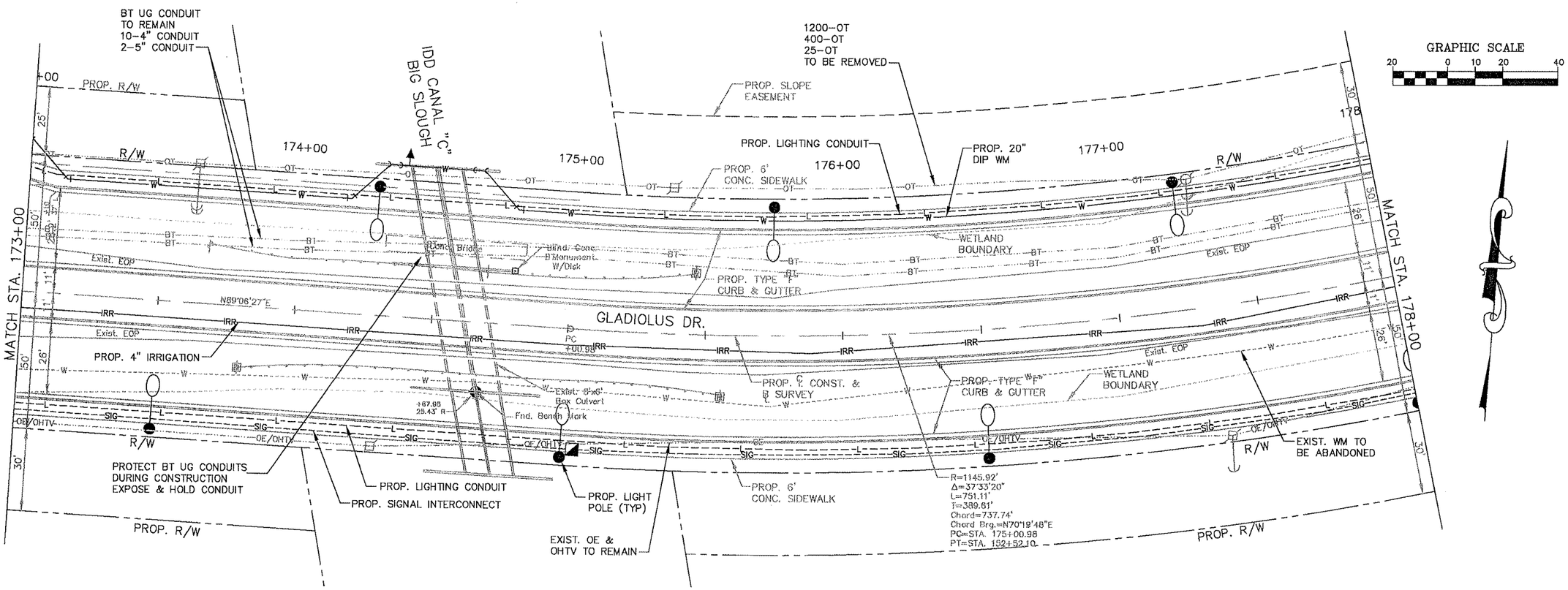
DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479–8900 www.lee–county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 176 of 207 SHEETS



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4053	FILE: 020091808	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 177 of 207 SHEETS

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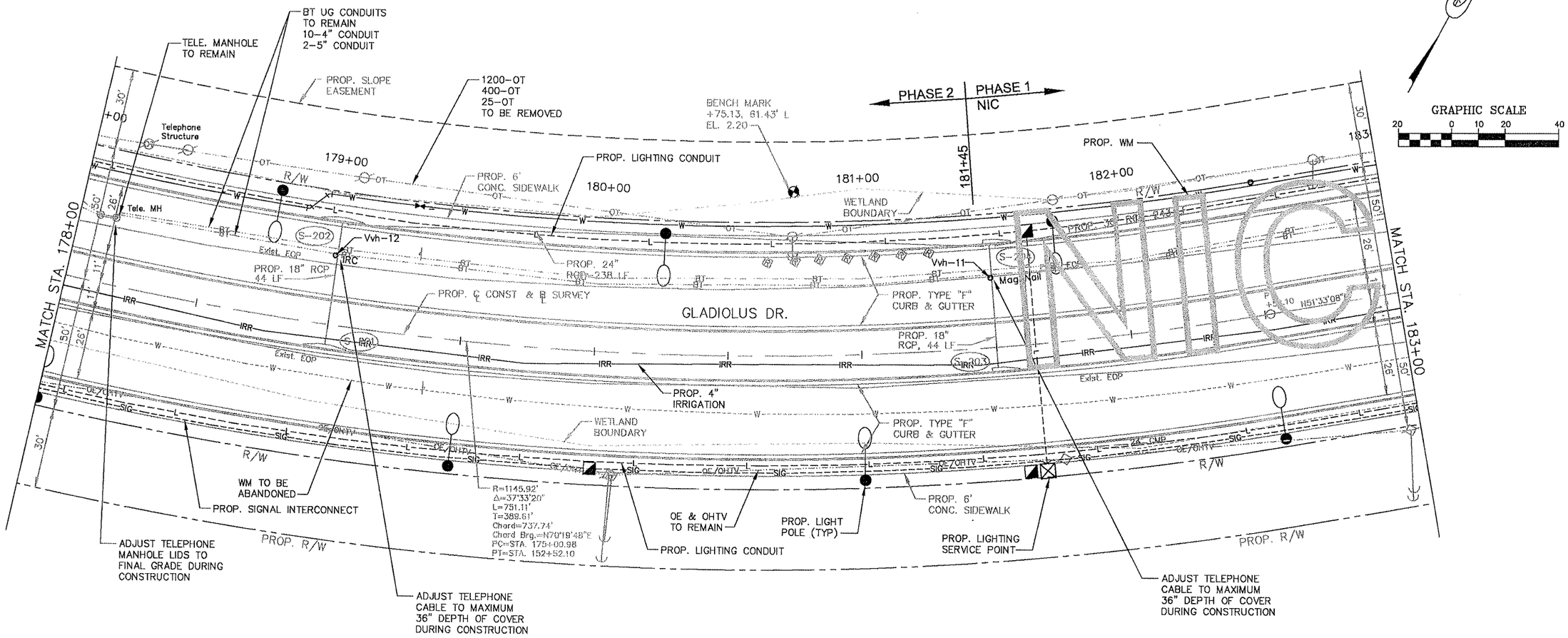

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
11	TELEPHONE MANHOLE CONDUIT	181+49.53	26.16' LT	0.58	4.87	
12	TELEPHONE MANHOLE CONDUIT	178+99.12	26.10' LT	0.69	4.37	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091809	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
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(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 178 of 207 SHEETS

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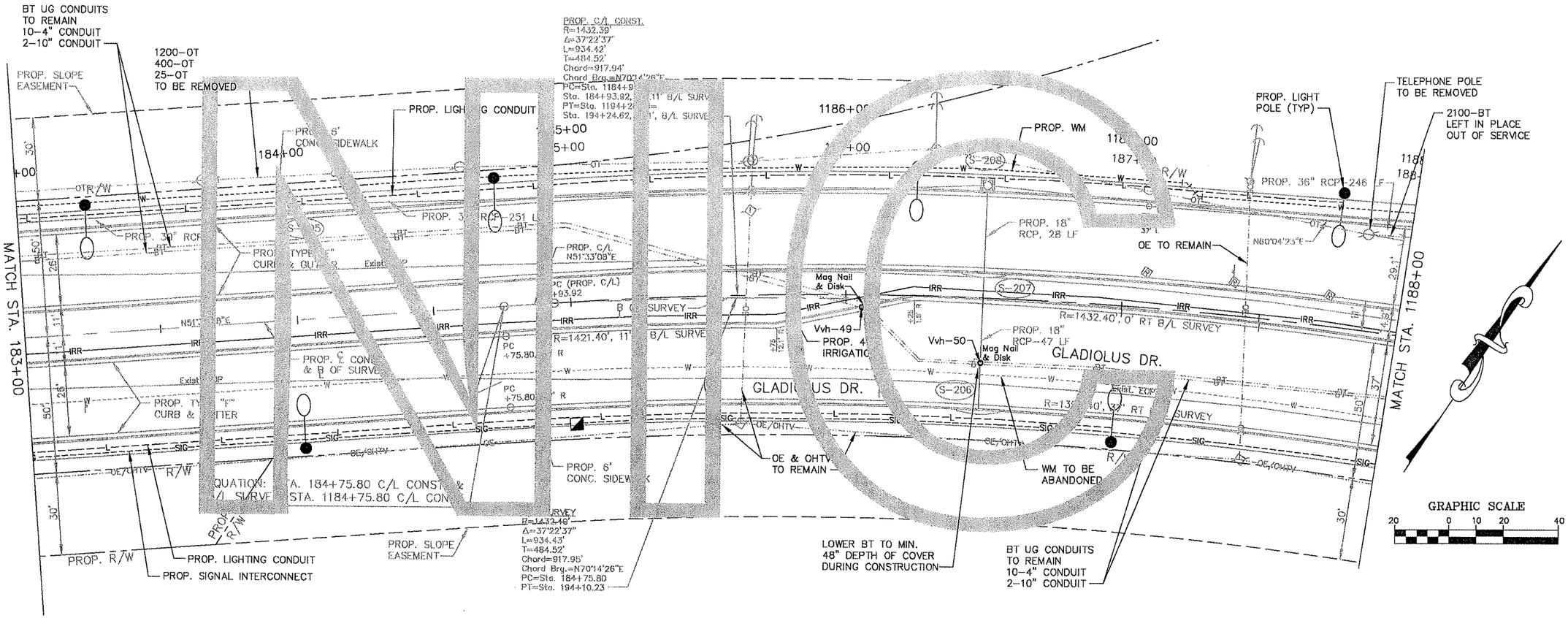

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
49	TELEPHONE MANHOLE CONDUIT	1186+05.77	4.53' RT	3.08	6.51	
50	TELEPHONE MANHOLE CONDUIT	1186+50.06	23.81' RT	1.18	4.90	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091810	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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of
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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 179 of 207 SHEETS

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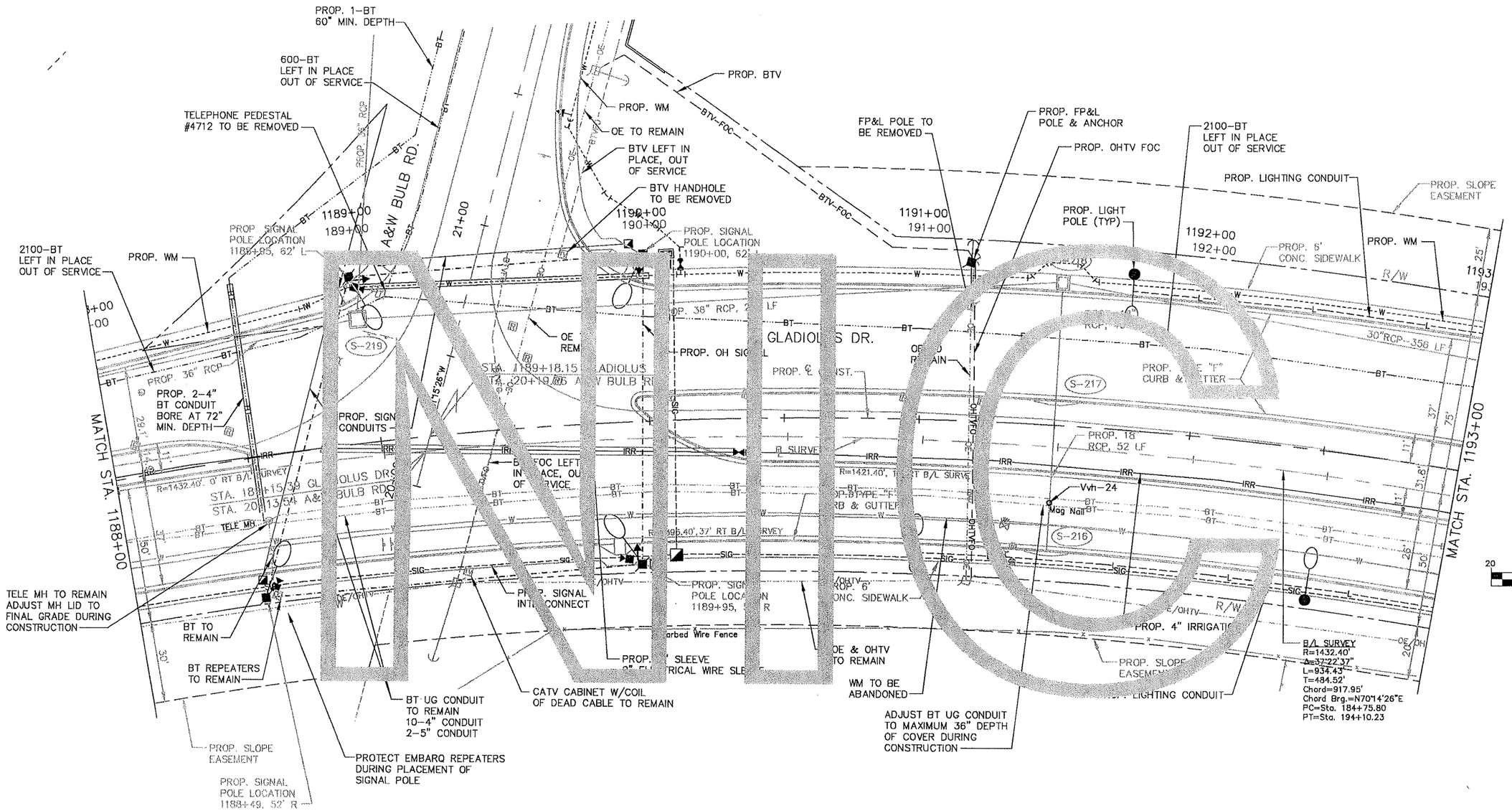


JAN 08 2008

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
24	TELEPHONE MANHOLE CONDUIT	1191+49.91	28.91' RT	1.66	5.39	

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091811		1"=4' (11"x17")

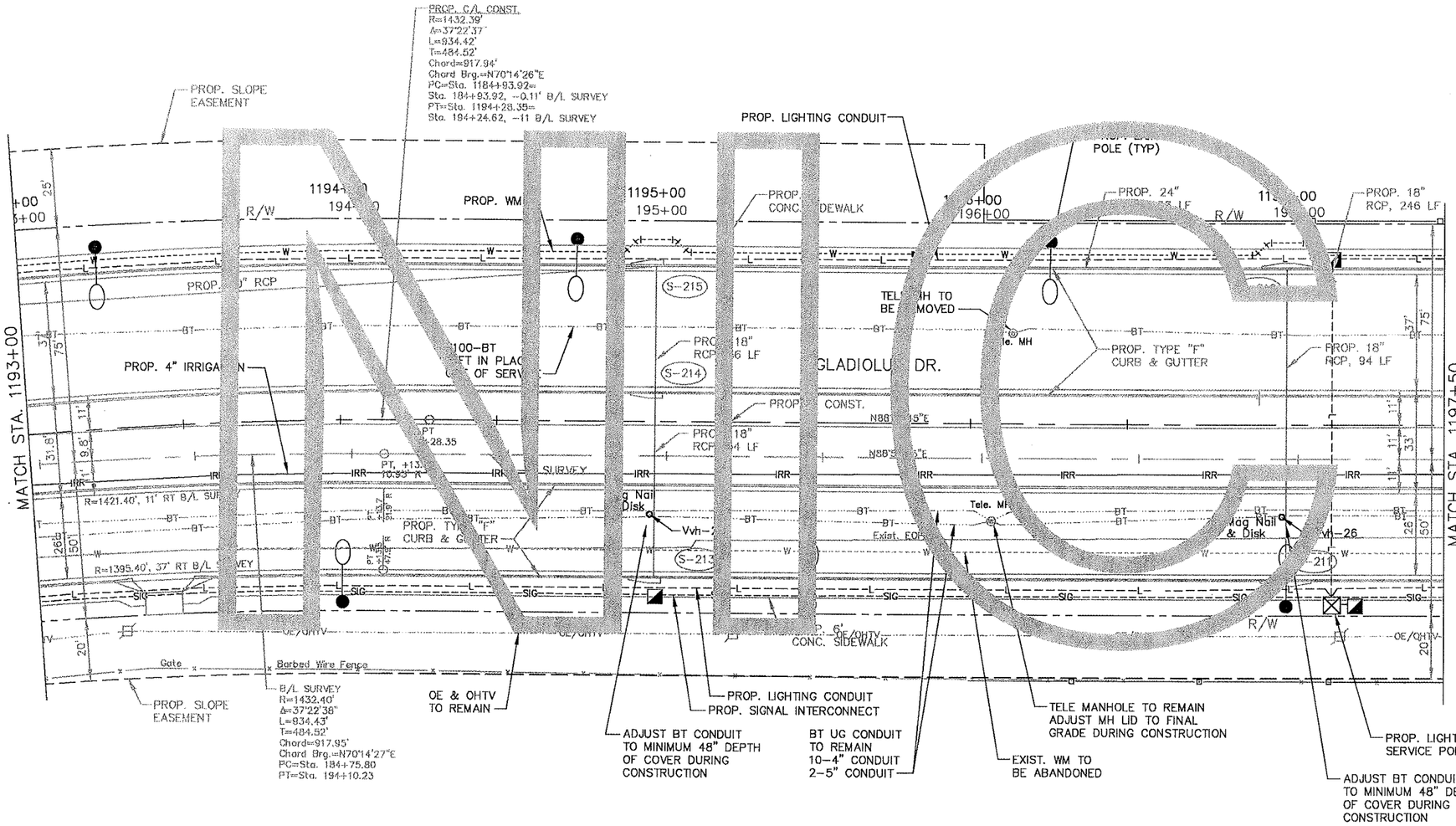
APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 180 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091811.dwg 1/7/2008 12:24:13 PM EST



VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
25	TELEPHONE MANHOLE CONDUIT	1194+98.50	29.62' RT	2.70	6.31	
26	TELEPHONE MANHOLE CONDUIT	1196+98.57	29.44' RT	2.12	6.47	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")	
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091812	1"=4' (11"x17")	

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET 181 of 207 SHEETS

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GRAPHIC SCALE
20 0 10 20 40

STONEGATE ENT.

PROP. LIGHTING CONDUIT
PROP. WM
2100-BT
LEFT IN PLACE
OUT OF SERVICE
PROP. 6' CONC. SIDEWALK
200-BT
LEFT IN PLACE
OUT OF SERVICE
EXIST. FM TO REMAIN
200-BT TO REMAIN
BTV TO REMAIN
EXIST. WM TO REMAIN
EXIST. BTV
LEFT IN PLACE
OUT OF SERVICE
2100-BT
600-BT
LEFT IN PLACE
OUT OF SERVICE
PROP. BT
PROP. BTV
PROP. R/W

1198+00
198+00
1199+00
199+00
1200+00
200+00
1201+00
201+00
1202+00
202+00
1203+00
203+00

R/W

PROP. 18" RCP
PROP. 4" IRRIGATION
18" RCP
S-210
UG Cable Marker
PROP. WM
TELEPHONE PEDESTAL #3955[illegible] TO BE REMOVED
EXIST. FM TO BE ABANDONED
OE TO REMAIN
PROP. FM

MATCH STA. 1197+50

STA. 1202+3[illegible] GLADIOLUS DR.
STA. 10+11 PRESERVE BLVD.

GLADIOLUS DR.

PROP. TYPE "F" CURB & GUTTER
PROP. ℄ CONST.
SURVEY
N88°55'45"E
Exist. EOP
IRR
Vvh-27
Vvh-28
Vvh-29
Mag Nail & Disk
PROP. 8" SLEEVE
2" ELECTRICAL WIRE SLEEVE
PROP. 18" RCP, 317 LF
N01°04'33"W
10+00
9+00

SIG
OE/OHTV
PROP. 6' CONC. SIDEWALK
PROP. SLOPE EASEMENT
Barbed Wire Fence
Fnd Concrete Monument
OE TO OHTV MAIN
PROP. LIGHTING CONDUIT
INTERCONNECT
PROP. LIGHT POLE (TYP)
EXIST. WM TO REMAIN
4.5' Lee County Utility Easement
10' PUE
Sidewalk
PRESERVE BLVD.
BTV TO REMAIN
600-BT TO REMAIN
15' DRAINAGE EASEMENT

BT UG CONDUIT TO REMAIN
10-4" CONDUIT
2-5" CONDUIT

ADJUST BT UG CONDUIT TO MINIMUM 48" DEPTH OF COVER DURING CONSTRUCTION

MATCH STA. 1203+50

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VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
27	TELEPHONE MANHOLE CONDUIT	1199+49.45	29.78' RT	2.97	6.56	
28	TELEPHONE MANHOLE CONDUIT	1201+63.86	29.49' RT		6.69	
29	TELEPHONE MANHOLE CONDUIT	1202+73.57	29.26' RT	3.26	6.51	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091813
HORIZ. SCALE: 1"=20' 1"=40' (11"x17")
VERT. SCALE: 1"=2' 1"=4' (11"x17")

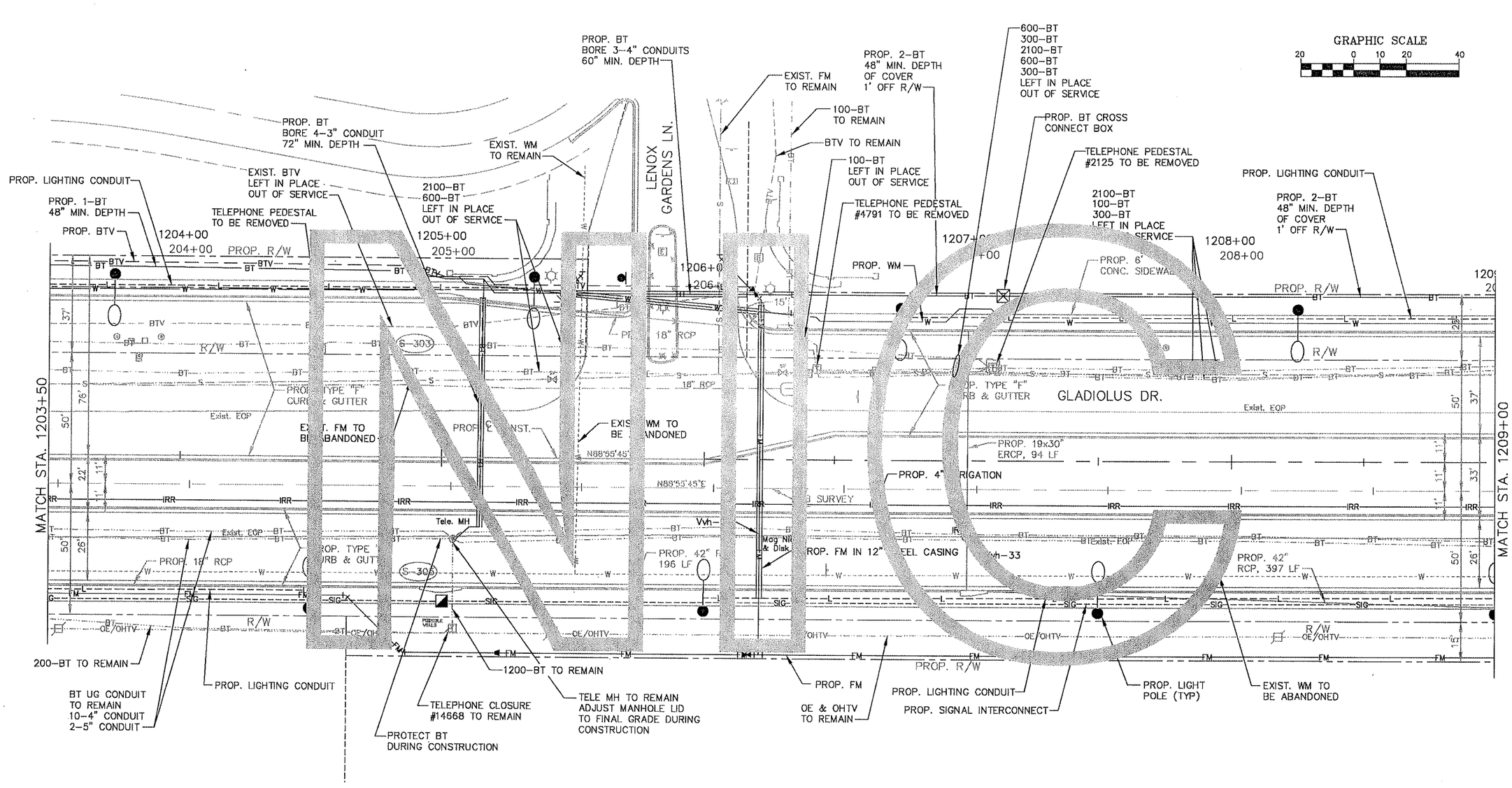
APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 182 of 207 SHEETS



JAN 08 2008

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
2	TELEPHONE MANHOLE CONDUIT	1206+21.15	28.37' RT	3.13	6.77	
33	TELEPHONE MANHOLE CONDUIT	1206+99.25	29.54' RT	3.01	6.70	

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091814

HORIZ. SCALE: 1"=20' 1"=40' (11"x17")
VERT. SCALE: 1"=2' 1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 183 of 207 SHEETS

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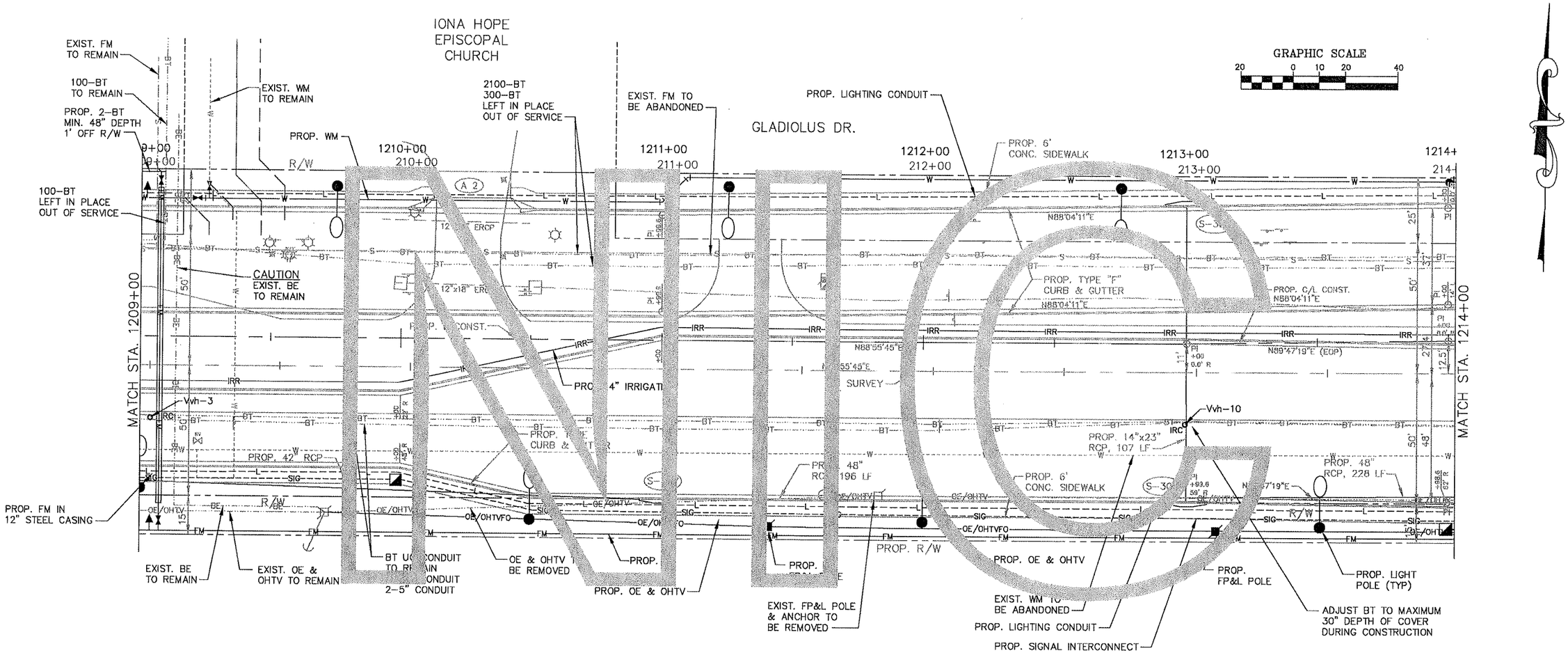

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
3	TELEPHONE MANHOLE CONDUIT	1209+03.86	31.23' RT	2.94	6.78	
10	TELEPHONE MANHOLE CONDUIT	1212+99.39	31.07' RT	3.18	6.52	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091815		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dottle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 184 of 207 SHEETS

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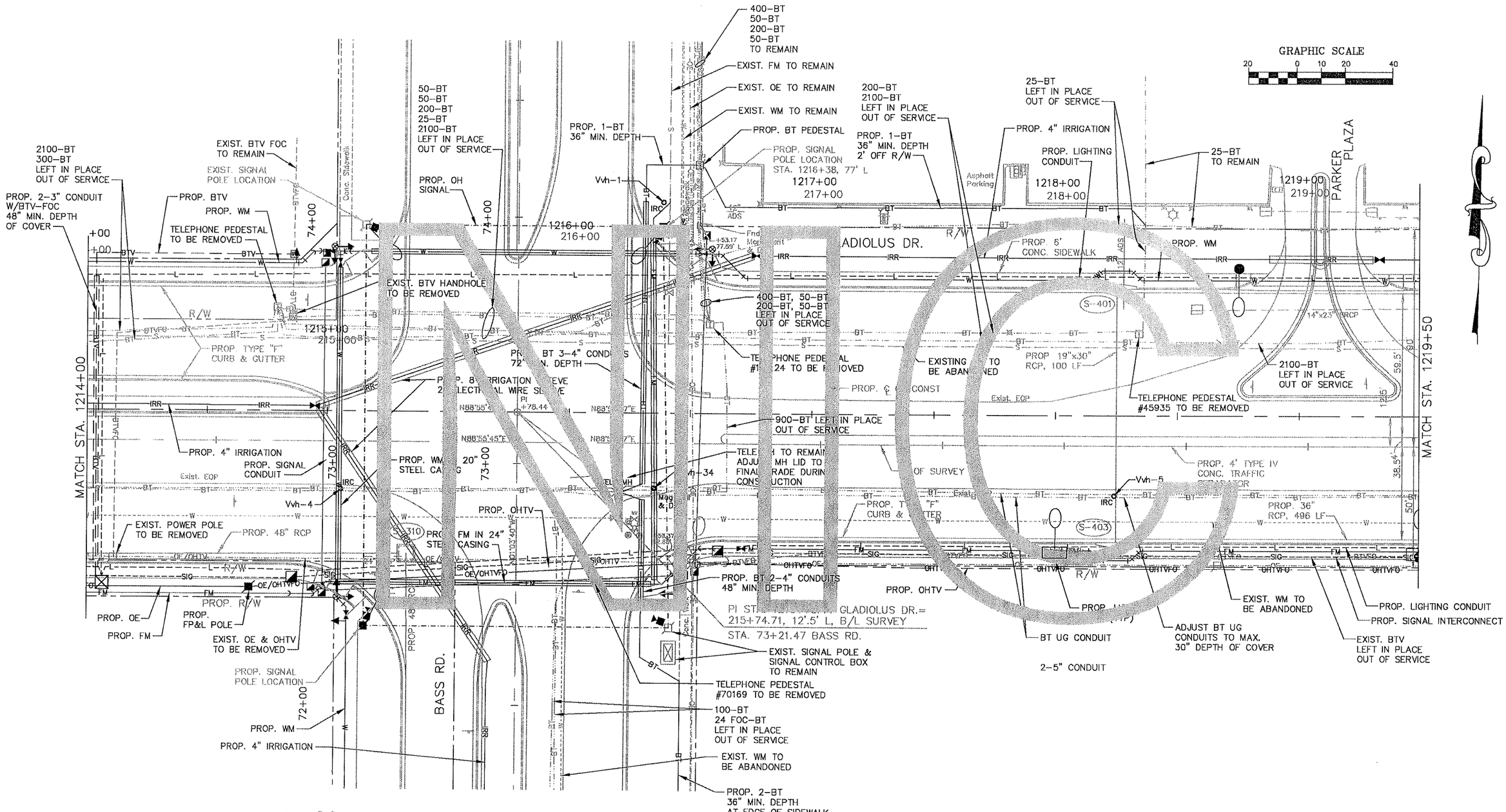

JAN 08 2008

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
1	LCU WATER MAIN	1216+38.19	87.09' LT	4.09	8.00	
4	TELEPHONE MANHOLE CONDUIT	1215+05.78	32.39' RT	4.07	6.90	
5	TELEPHONE MANHOLE CONDUIT	1218+24.18	33.26' RT	3.52	6.73	
34	TELEPHONE MANHOLE CONDUIT	1216+34.97	31.19' RT	2.12	6.73	

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091816	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 185 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091816.dwg 1/7/2008 12:55:47 PM EST

GRAPHIC SCALE
20 0 10 20 40

EXIST. FM TO BE ABANDONED
PROP. 4" IRRIGATION
PROP. WM
25-BT TO REMAIN
EXIST. TYPE "E" CURB & GUTTER TO REMAIN
PARKER PLAZA
PROP. 8" IRRIGATION SLEEVE 2" ELECTRICAL WIRE SLEEVE
2100-BT LEFT IN PLACE OUT OF SERVICE
EXIST. FM TO BE ABANDONED
PROP. LIGHT POLE (TYP)
PROP. LIGHTING CONDUIT

1220+00 220+00 | 1221+00 221+00 | 1222+00 222+00 | 1223+00 223+00 | 1224+00 224+00 | 1225+00 225+00

Exist. Light Pole (Typ.) | Exist. Sprinkler (Typ) | Asphalt Parking | R/W | PROP. 6' CONC. SIDEWALK | PROP. TYPE "F" CURB & GUTTER | PROP. TYPE "E" CURB & GUTTER | 12"x18" ERCP | 14"x23" ERCP | PROP. 18" RCP, 134 LF | PROP. 24" RCP, 99 LF | GLADIOLUS DR. | Exist. Cable Marker (Typ.) | Exist. Sign (Typ.) | RESERVE PORTION OF EXIST. TYPE "E" CURB & GUTTER | PROP. ℄ OF CONST. | N88°55'57"E | OF SURVEY

MATCH STA. 1219+50 | MATCH STA. 1225+50

Exist. EOP | PROP. TYPE IV CONC. TRAFFIC SEPARATOR | PROP. TYPE "F" CURB & GUTTER | PROP. 36" RCP | PROP. 48" RCP, 498 LF | Vvh-6 | S-407

EXIST. WM TO BE ABANDONED
PROP. 6' CONC. SIDEWA
BT UG CONDUIT TO REMAIN 10-4" CONDUIT 2-5" CONDUIT
PROP. FM
EXIST. BTV-FOC LEFT IN PLACE OUT OF SERVICE
PROP. OHTV FOC
PROP. LIGHT POLE W/ SPREAD FOOTER TYP.
PROP. BT UG CONDUIT 30" DEPTH OF COVER DURING CONSTRUCTION
PROP. 6' CONC. SIDEWALK
PROP. LIGHTING CONDUIT
PROP. SIGNAL INTERCONNECT

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
6	TELEPHONE MANHOLE CONDUIT	1223+25.83	33.16 RT	3.17	6.65	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07 | HORIZ. SCALE: 1"=20' 1"=40' (11"x17")
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07 | VERT. SCALE: 1"=2' 1"=4' (11"x17")
PROJ NO.: 4083 FILE: 020091817

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET 186 of 207 SHEETS

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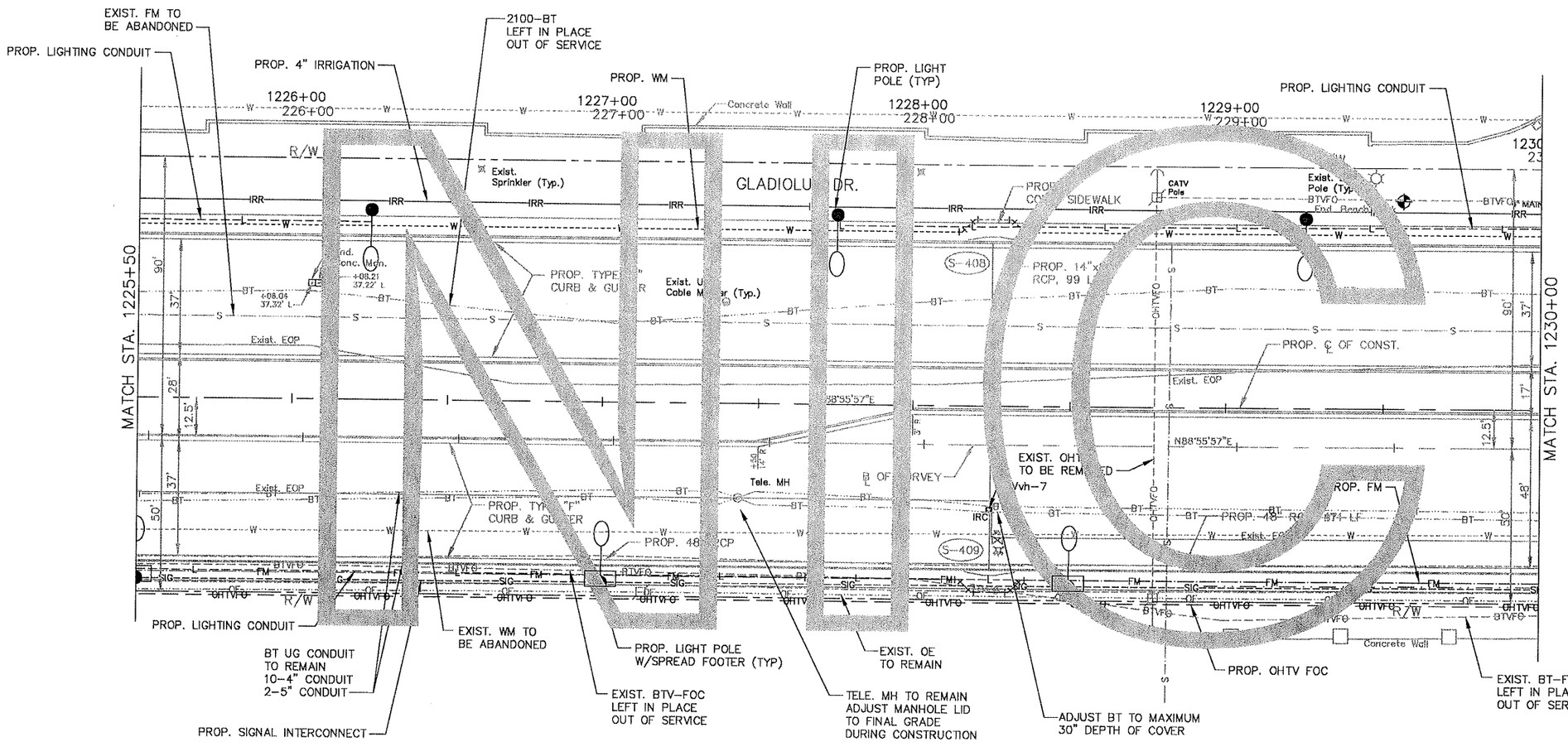

GRAPHIC SCALE

20 0 10 20 40

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES						
Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
7	TELEPHONE MANHOLE CONDUIT	1228+24.64	33.27' RT	2.72	6.68	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091818

HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

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(941) 479-8900 www.lee-county.com/publicworks/dottle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 187 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091818.dwg 1/7/2008 10:43 PM EST

GRAPHIC SCALE
20 0 10 20 40

PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE
PROP. WM IN
36" STEEL CASING
EXIST. BTV
LEFT IN PLACE
OUT OF SERVICE
PROP. SIGNAL
POLE LOCATION
EXIST. BTV
TO REMAIN
PROP. 4"
IRRIGATION
EXIST. WM
TO REMAIN
PARKER LAKES
BLVD.
PROP. SIGNAL
POLE LOCATION
1200–BT
TO REMAIN
EXIST. FM TO
BE ABANDONED
PROP. 1–BT
36" MINIMUM DEPTH
5' OFF R/W
EXIST. FM TO
BE ABANDONED
GLADIOLUS DR.
PROP. LIGHTING CONDUIT
PROP. 1–BT
72" MINIMUM DEPTH
5' OFF R/W
EXIST. BTV
LEFT IN PLACE
OUT OF SERVICE
PROP. 1–BT
36" MINIMUM DEPTH
5' OFF R/W
2100–BT
LEFT IN PLACE
OUT OF SERVICE
PROP. 1–BT
72" MINIMUM DEPTH
5' OFF R/W
PROP. LIGHT
POLE (TYP)
PROP. 1–BT
36" MINIMUM DEPTH
5' OFF R/W
1231+00
231+00
1232+00
232+00
1233+00
233+00
1234+00
234+00
1235+00
235+00
1236+00
236
PROP. 6'
CONC. SIDEWALK
R/W
Exist.
Sprinkler (Typ.)
MATCH STA. 1230+00
MATCH STA. 1236+00
PROP. OHSIG
EXIST. OHSIG
2100–BT
LEFT IN PLACE
OUT OF SERVICE
14"x23" ERCP
PROP. 19"x30"
ERCP, 110 LF
Exist. EOP
PROP. WM IN
20" STEEL CASING
PROP. FM IN
18" STEEL CAS
PROP. 4" IRRIGATION
N88°55'57"E
10+00
STA. 1235+25.50
GLADIOLUS DR.
EXIST. WM TO
BE ABANDONED
PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE
Vvh–35
Mag Nail
& Disk
PROP. 48" RCP
EXIST. OHSIG
PROP. 48"
RCP, 96 LF
PROP. 36" RCP
EXIST. 48" RCP
PROP. 6'
CONC. SIDEWALK
25' Landscape Buf
& Drainage Ease
TELEPHONE
PEDESTAL
TO REMAIN
1200–BT
TO REMAIN
PROP. LIGHTING
SERVICE POINT
PROP. SIGNAL
POLE LOCATION
LAKES OF
LAGUNA BLVD.
Sidewalk
TELEPHONE PEDESTAL
#153188 TO REMAIN
PROP. SIGNAL
POLE LOCATION
PROP. LIGHT POLE
W/ SPREAD FOOTER (TYP)
EXIST. WM TO
BE ABANDONED
1200–BT
TO REMAIN
1200–BT
LEFT IN PLACE
OUT OF SERVICE
EXIST.
LEFT IN PLACE
OUT OF SERVICE
1200–BT
TO REMAIN
ADJUST BT UG CONDUIT
TO MAX. 36" DEPTH OF
COVER DURING CONSTRUCTION
9+00
15' Drainage
Easement
BT UG CONDUIT
TO REMAIN
10–4" CONDUIT
2–5" CONDUIT
PROP. LIGHTING CONDUIT
PROP. SIGNAL INTERCONNECT
OE TO REMAIN

JAN 08 2008

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
8	TELEPHONE MANHOLE CONDUIT	1233+98.91	34.37' RT	2.96	6.66	
35	TELEPHONE MANHOLE CONDUIT	1230+49.22	35.08' RT	2.33	6.56	
36	TELEPHONE MANHOLE CONDUIT	1231+52.44	34.61' RT	3.06	6.69	

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091819
HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479–8900 www.lee–county.com/publicworks/datitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 188 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091819.dwg 1/7/2008 10:37 PM EST

GRAPHIC SCALE
20 0 10 20 40

PROP. 1-BT
36" MIN. DEPTH
5' OFF R/W

EXIST. BTV
LEFT IN PLACE
OUT OF SERVICE

PROP. WM

PROP. LIGHTING CONDUIT

EXIST. FM TO
BE ABADNONED

2100-BT
LEFT IN PLACE
OUT OF SERVICE

PROP. LIGHT
POLE (TYP)

EXIST. EFFLUENT
WM TO REMAIN

1237+00
237+00

1238+00
238+00

1239+00
239+00

1240+00
240+00

1241+00
241+00

1242
24

MATCH STA. 1236+00

MATCH STA. 1242+00

GLADIOLUS DR.

PROP. 6'
CONC. SIDEWALK

PROP. TYPE "F"
CURB & GUTTER

PROP. 14"x23"
RCP, 100 LF

Exist. EOP

Exist. Reflector
Sign (Typ)

Exist. Utility
Cable Marker (Typ.)

Wood Posts
W/Chain

18" ADS

PROP. 4" IRRIGATION

PROP. WM (EFFLUENT)
IN 24" STEEL CASING

PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE

ADJUST MANHOLE LID
TO FINAL GRADE
DURING CONSTRUCTION

PROP. BT
2-4" CONDU
MIN. DEPTH

PROP. 36"
RCP, 471 LF

DIRECTIONAL BORE 2-3"
CONDUIT W/BTV FOC
48" MIN. DEPTH

EXIST. WM (EFFLUENT)
TO BE ABANDONED

OE TO REMAIN

Vvh-37

Mag Nail
& Disk

Exist. EOP

IRC

9

14

R/W

12"x18" ERCP

OE TO REMAIN

Vvh-39

100' FP&L Easement

80' SID Canal

Lot Line

EXIST. EFFLUENT
WM TO REMAIN

1200-BT
TO REMAIN

1200-BT
LEFT IN PLACE
OUT OF SERVICE

BT UG CONDUIT
TO REMAIN
10-4" CONDUIT
2-5" CONDUIT

PROP. SIGNAL INTERCONNECT

PROP. LIGHTING CONDUIT

PROP. FM

PROP. OHTV

EXIST. BTV FOC
LEFT IN PLACE
OUT OF SERVICE

TELEPHONE PEDESTAL
TO BE REMOVED

OE TO REMAIN

PROP. LIGHT POLE
W/ SPREAD FOOTER (TYP)

PROP. 6'
CONC. SIDEWALK

PROP. BTV FOC

EXIST. WM TO
BE ABANDONED

ADJUST BT TO MAXIMUM
36" DEPTH OF COVER
DURING CONSTRUCTION

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
9	TELEPHONE MANHOLE CONDUIT	1239+99.17	32.48' RT	2.58	6.66	
37	TELEPHONE MANHOLE CONDUIT	1241+70.99	33.43' RT	3.01	6.88	
39	LCU RECLAIM WATER MAIN	1241+92.99	64.68' RT	3.65	7.14	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091820

HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

DEPARTMENT
of
TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET
189
of
207
SHEETS

C:\Land Projects 2005\02009-2\dwg\02009182O.dwg 1/7/2008 1:07:16 PM EST

GRAPHIC SCALE
20 0 10 20 40

25–BT TO REMAIN
PROTECT EXIST. BT DURING CONSTRUCTION
PROP. WM
PROP. RUBBLE RIP–RAP 10'x10'x1.5'
TELEPHONE PEDESTAL #45974 TO REMAIN
EXIST. BTV TO REMAIN
EXIST. WM TO REMAIN
PROP. 6' CONC. SIDEWALK
PROP. LIGHT POLE (TYP)
EXIST. OE/OHTV TO REMAIN
600–BT TO REMAIN
PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE
PROP. LIGHTING CONDUIT
Wood Posts
EXIST. BTV TO REMAIN
PROP. 4" IRRIGATION

1242+00
1243+00
1244+00
1245+00
1246+00
1247+00
1248+00

MATCH STA. 1242+00
MATCH STA. 1248+00

R/W

S–04
PROP. 24" RCP, 42 LF
PROP. 24" RCP, 32 LF
PROP. CONC. COLLAR
S–513
PROP. 34"x53" ERCP, 40 LF
2100–BT LEFT IN PLACE OUT OF SERVICE
PROP. 34"x53" CONC. COLLAR
2400–BT TO REMAIN
EXIST. BTV FOC LEFT IN PLACE OUT OF SERVICE
PROP. 4" IRRIGATION
PROP. 42" RCP, 229 LF
PROP. 14"x23" ERCP, 20 LF
PROP. CONC. COLLAR
PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR
S–511A

GLADIOLUS DR.

PI
1242+29.94
242+26.19, 32.5' L
B/L SURVEY
N88°55'57"E
N89°00'16"E
PC +03.75
PRC +73.01
PT +12.66
CURVE 5
PROP. TYPE "F" CURB & GUTTER
EXIST. 14"x23" ERCP TO REMAIN
EXIST. BT TO REMAIN
S–511

EXIST. 24" RCP TO REMAIN
EXIST. 34"x53" ERCP TO REMAIN
PROP. 24" CONC. COLLAR
1200–BT TO REMAIN
B OF SURVEY
S–514
EXIST. OE TO REMAIN
PROP. 24" RCP 16 LF
14"x23"
S–05
PROP. RUBBLE RIP–RAP 10'x10'x1.5'
80' IDD Canal
Exist. 20' Drainage Easement
EXIST. WM TO BE ABANDONED
EXIST. 34"x53" ERCP TO REMAIN
PROP. WM IN 8" STEEL CASIN
PROP. FM
PROP. WM
BT UG CONDUIT TO REMAIN
10–4" CONDUIT
2–5" CONDUIT
PROP. C/L, CONSTR. CURVE 4
R=5729.58'
L=169.26
T=84.64'
Chord=169.26'
Chord Brg.=N89°51'03"E
PC Sta. 1243+03.75=
Sta. 243+00, 12.5' L B/L Survey
PRC=Sta. 1244+73.01=
Sta. 244+69.24, 10' L B/L Survey
PROP. C/L, CONSTR. CURVE 5
R=5729.58'
L=169.26
T=84.64'
Chord=169.26'
Chord Brg.=N89°51'03"E
PRC Sta. 1244+73.01=
Sta. 244+69.24, 10' L B/L Survey
PT Sta. 1246+42.27=
Sta. 246+38.48, 7.5' L B/L Survey
PROP. LIGHTING CONDUIT
PROP. SIGNAL INTERCONNECT
BT UG CONDUIT TO REMAIN
10–4" CONDUIT
2–5" CONDUIT
EXIST. 14"x23" ERCP TO REMAIN
PROP. 14"x23"–230 LF
PROP. LIGHT POLE W/SPREAD FOOTER (TYP)
TELEPHONE PEDESTAL #9001 TO REMAIN

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091821	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
1500 MONROE STREET
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DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

GRAPHIC SCALE
20 0 10 20 40

GLADIOLUS DR.

MATCH STA. 1248+00

MATCH STA. 1254+00

600-BT TO REMAIN

AVALON BAY BLVD.

1249+00
249+00

1250+00
250+00

1251+00
251+00

1252+00
252+00

1253+00
253+00

PROP. 4" IRRIGATION

PROP. LIGHTING CONDUIT

EXIST. WM TO REMAIN

EXIST. OE/OHTV TO REMAIN

EXIST. SEWER LINE TO BE REMOVED

End. Bench Mark, El. 6.45

PROP. 36" RCP-240 LF

12"x18" ERCP

19"x30" ERCP

PROP. 42" RCP

PROP. 14"x23" ERCP, 19 LF

PROP. CONC. COLLAR

PROP. 4' TYPE IV CONC. TRAFFIC SEPARATOR

PROP. 8" IRRIGATION SLEEVE
2" ELECTRICAL WIRE SLEEVE

EXIST. 14"x23" ERCP TO REMAIN

1200-BT
1200-BT TO REMAIN

TELEPHONE PEDESTAL #45961 TO REMAIN

PROP. 14"x23"

PROP. 6' CONC. SIDEWALK

PROP. TYPE "F" CURB & GUTTER

PROP. FM

PROP. WM

Well

Sign

CR 20

Asphalt Walk

Asph.

Cable Fence

Wood Fence

TELEPHONE PEDESTAL #45963 TO REMAIN

MANHOLE TO REMAIN
ADJUST MANHOLE LID
TO FINAL GRADE
DURING CONSTRUCTION

PROP. LIGHT POLE
W/SPREAD FOOTER (TYP)

25-BT
TO REMAIN

PROP. LIGHTING CONDUIT

PROP. SIGNAL INTERCONNECT

BT UG CONDUIT
TO REMAIN
10-4" CONDUIT
2-5" CONDUIT
2-1200PR DIRECT
BURIED CABLES

S-510

S-510A

S-509

S-507

VERIFIED VERTICAL/HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES

Vvh NO.	UTILITY DESCRIPTION	STATION	OFFSET	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION/COMMENTS
40	TELEPHONE MANHOLE CONDUIT	1249+18.76	52.00' RT	3.87	7.11	
52	TELEPHONE MANHOLE CONDUIT	1249+19.36	66.13' RT	5.14	7.67	

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP DATE: 11/07
DRAWN: LLC DATE: 11/07
CHECKED: RKP DATE: 11/07
PROJ NO.: 4083 FILE: 020091822

HORIZ. SCALE: 1"=20'
1"=40' (11"x17")
VERT. SCALE: 1"=2'
1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

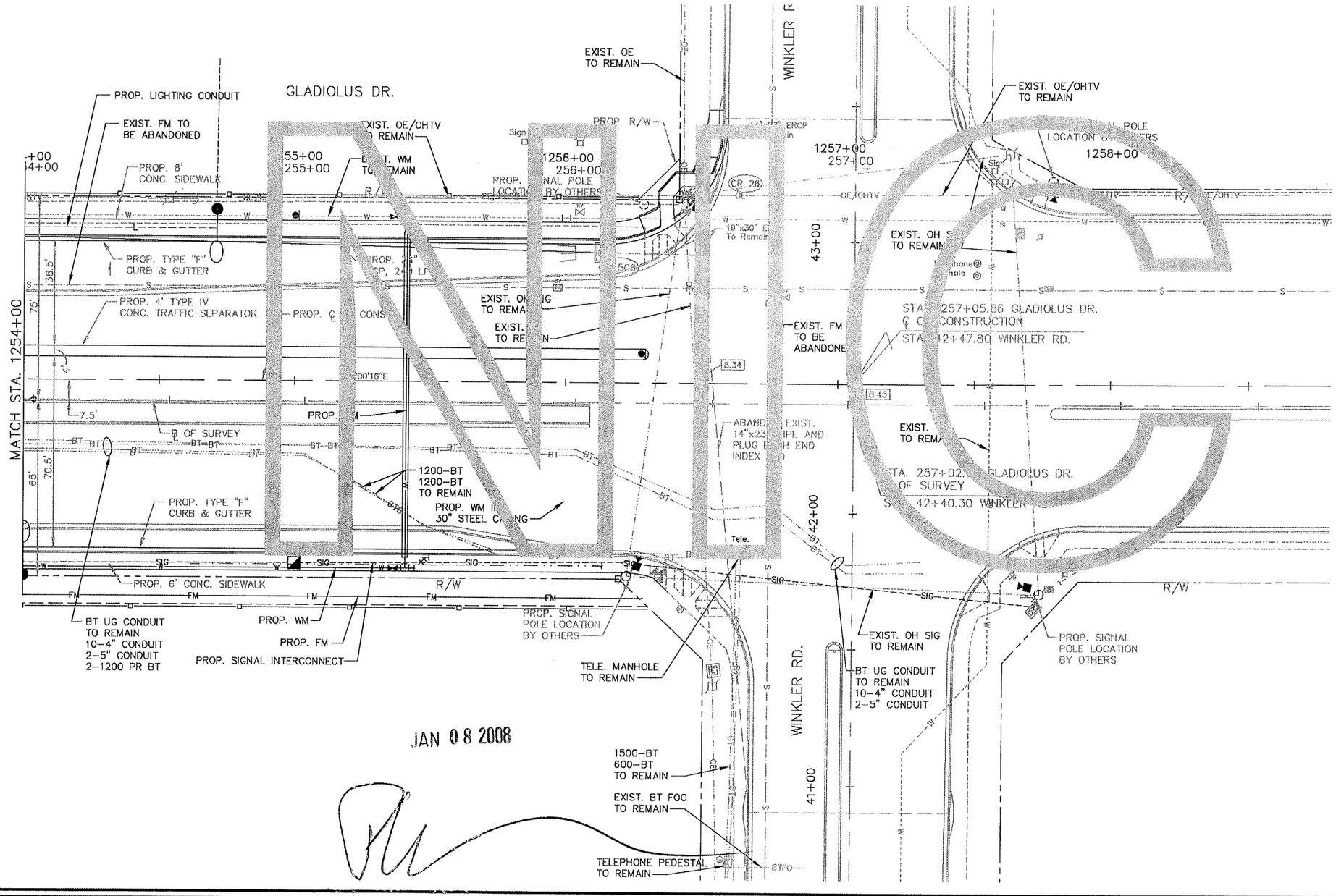
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS - GLADIOLUS DRIVE

SHEET 191 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\02009182.dwg 12/21/2007 1:59:33 PM EST



GRAPHIC SCALE

20 0 10 20 40

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091823		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/datitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – GLADIOLUS DRIVE

SHEET 192 of 207 SHEETS

GRAPHIC SCALE

20 0 10 20 40

HEALTHPARK CIR.

39+00

40+00

41+00

42+00

43+00

44+

EXIST. WM TO REMAIN

PROP. 5' CONC. SIDEWALK

EXIST. OE TO REMAIN

R/W

BASS R

EXIST. FM TO REMAIN

EXIST. (EFF) TO REM

LIMITS OF OVERLAY

PROP. CONST. & SURV

Exist. EOP

PROP. 4" IRRIGATION

PROP. TYPE "F" CURB & GUTTER

Exist. 24" RCP To Remain

100-BT LEFT IN PLACE OUT OF SERVICE

PR TYPE "F" CU & GUTTER

MATCH STA. 44+00

75'

26'

17'

28'

STA. 39+76.04 BASS RD.

S88°52'51"W

100-BT 24-BT F TO REMA

Existing Sidewalk To Remain

EXIST. CONC. SIDEWALK

PROP. BT FIBER HANDHOLE

PROP. 2-BT 36" MIN. COVER AT EDGE OF SIDEWALK

PROP. LIGHT POLE, TYP

PARK ROYAL DR.

Ex. 54" RCP To Remain

Ex. 54" RCP To Remain

Future 54" RCP By Others

Future 54" RCP By Others

Future Type "H" Ditch Bottom Inlet By Others

Exist. 54" Endwall

100-BT 24-BT FOC LEFT IN PLACE OUT OF SERVICE

PROP. LIGHTING CONDUIT

JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'
PROJ NO.: 4083	FILE: 020091824	1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotlle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – BASS ROAD

SHEET 193 of 207 SHEETS

GRAPHIC SCALE

20 0 10 20 40

BASS RD.

EXIST. WM TO REMAIN

EXIST. OE TO REMAIN

PROP. LIGHTING CONDUIT

PROP. WM

PROP. R/W

PROP. 30" RCP 196 LF

S-321

PROP. 5' CONC. SIDEWALK

PROP. CURB & GUTTER

EXIST. WM TO BE ABANDONED

EXIST. OE TO REMAIN

PROP. IRRIGATION

PROP. ℄ CONST. SURVEY

S01°03'40"E

EXIST. WM TO BE ABANDONED

100-BT 24-BT FOC LEFT IN PLACE OUT OF SERVICE

PROP. 18" RCP 88 LF

TELEPHONE PEDESTAL #15 TO BE REMOVED

100-BT LEFT IN PLACE OUT OF SERVICE

100-BT 24-BT FOC LEFT IN PLACE OUT OF SERVICE

PROP. SWALE

Exist. Sidewalk To Remain

25-BT LEFT IN PLACE OUT OF SERVICE

25-BT TO REMAIN

EXIST. OE TO REMAIN

PROP. LIGHTING CONDUIT

PROP. 2-BT 36" MIN. DEPTH AT EDGE OF SIDEWALK

EXIST. CONC. SIDEWALK

PROP. 2-BT 36" MIN. DEPTH AT EDGE OF SIDEWALK

PORTOFINO SPRINGS BLVD.

EXIST. OE TO REMAIN

MATCH STA. 44+00

MATCH STA. 49+00

45+00 46+00 47+00 48+00

R/W

JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091825.dwg 12/12/2007 2:43:40 PM EST

NO.	DATE	BY	REVISIONS -- DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091825		1"=4' (11"x17")

APPROVED BY: ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
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FLORIDA

DEPARTMENT of TRANSPORTATION

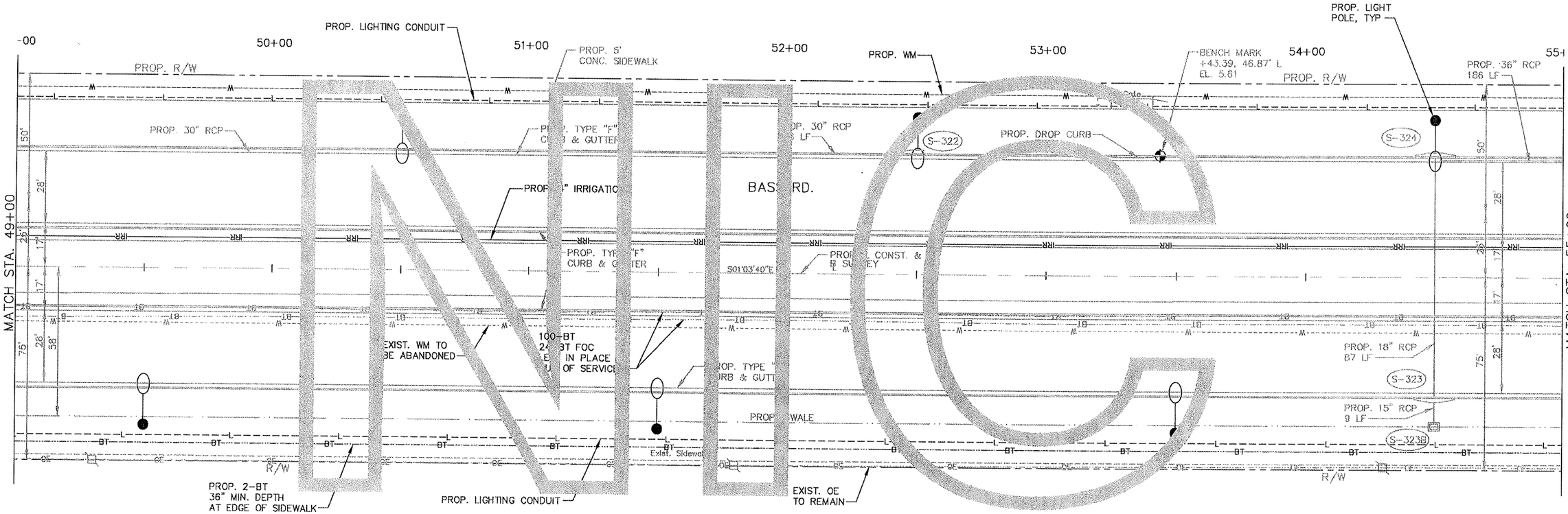
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS -- BASS ROAD

GRAPHIC SCALE

20 0 10 20 40



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'
DRAWN: LLC	DATE: 11/07	1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'
PROJ NO.: 4083	FILE: 020091826	1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET
FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dottle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – BASS ROAD

SHEET 195 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091826.dwg 12/12/2007 2:46:01 PM EST

GRAPHIC SCALE

20 0 10 20 40

SEE SHEET 51 FOR
DRAINAGE INTO GLADIOLUS PRESERVE

PROP. WM IN
30" STEEL CASING

EXIST. 48" RCP
TO REMAIN

PROP. LIGHTING CONDUIT

PROP. SWALE

PROP. LIGHT
POLE (TYP)

PROP. 36" RCP

PROP. 4" IRRIGATION

PROP. LIGHTING CONDUIT

100-BT
24-BT FOC
LEFT IN PLACE
OUT OF SERVICE

TELEPHONE PEDESTAL
#4754 TO BE REMOVED

PROP. 18" RCP
93 LF

EXIST. WM TO
BE ABANDONED

PROP. LIGHTING CONDUIT

PROP. LIGHTING
SERVICE POINT

EXIST. OE
TO REMAIN

PROP. 2-BT
36" MIN. DEPTH
AT EDGE OF SIDEWALK

PROP. LIGHTING CONDUIT

MATCH STA. 55+00

MATCH STA. 61+00

JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS - DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091827	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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FLORIDA

DEPARTMENT
of
TRANSPORTATION

1500 MONROE STREET
(941) 479-8900
FORT MYERS, FLORIDA 33901
www.lee-county.com/publicworks/dottle.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

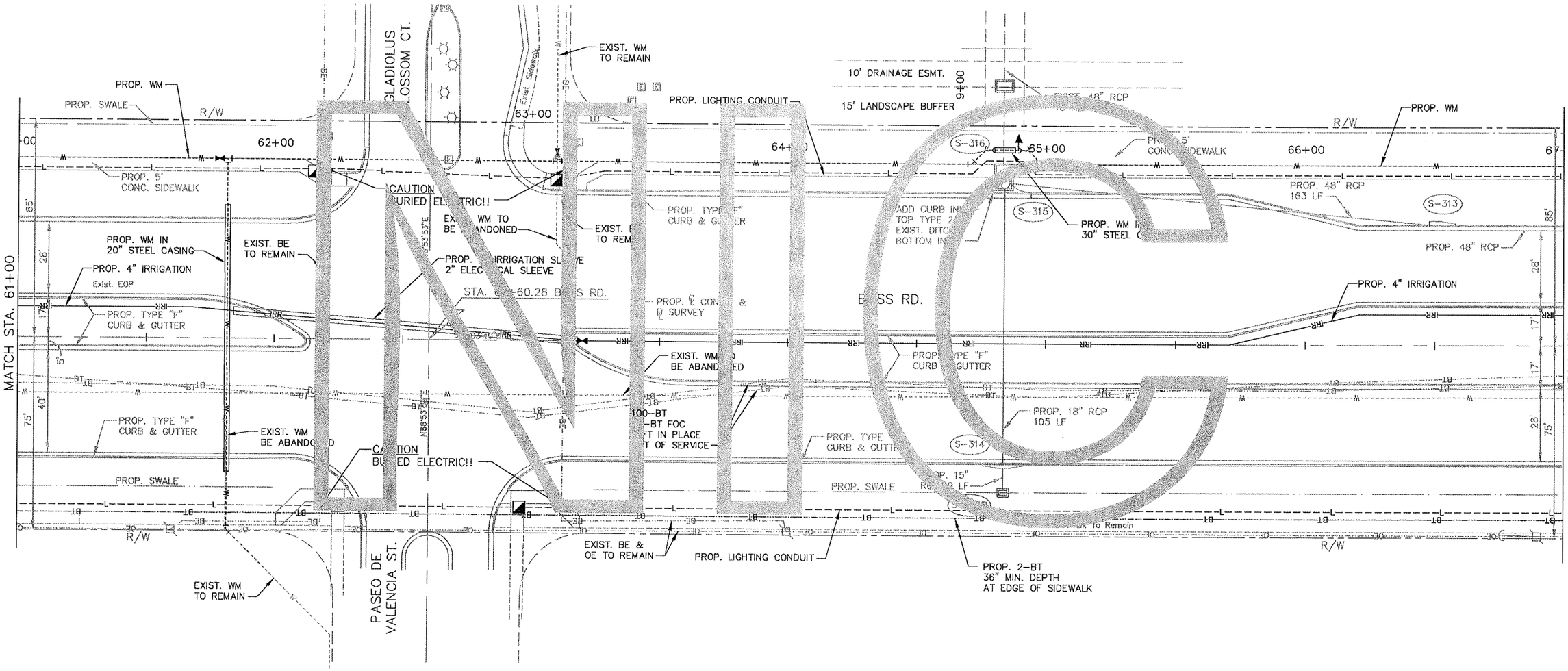
UTILITY ADJUSTMENTS - BASS ROAD

SHEET
196
of
207
SHEETS

C:\Land Projects 2005\02009-2\dwg\020091827.dwg 12/12/2007 2:53:31 PM EST

GRAPHIC SCALE

20 0 10 20 40



JAN 08 2008

Phase 2

C:\Land Projects 2005\02009-2\dwg\020091828.dwg 12/12/2007 2:57:00 PM EST

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091828		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

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DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
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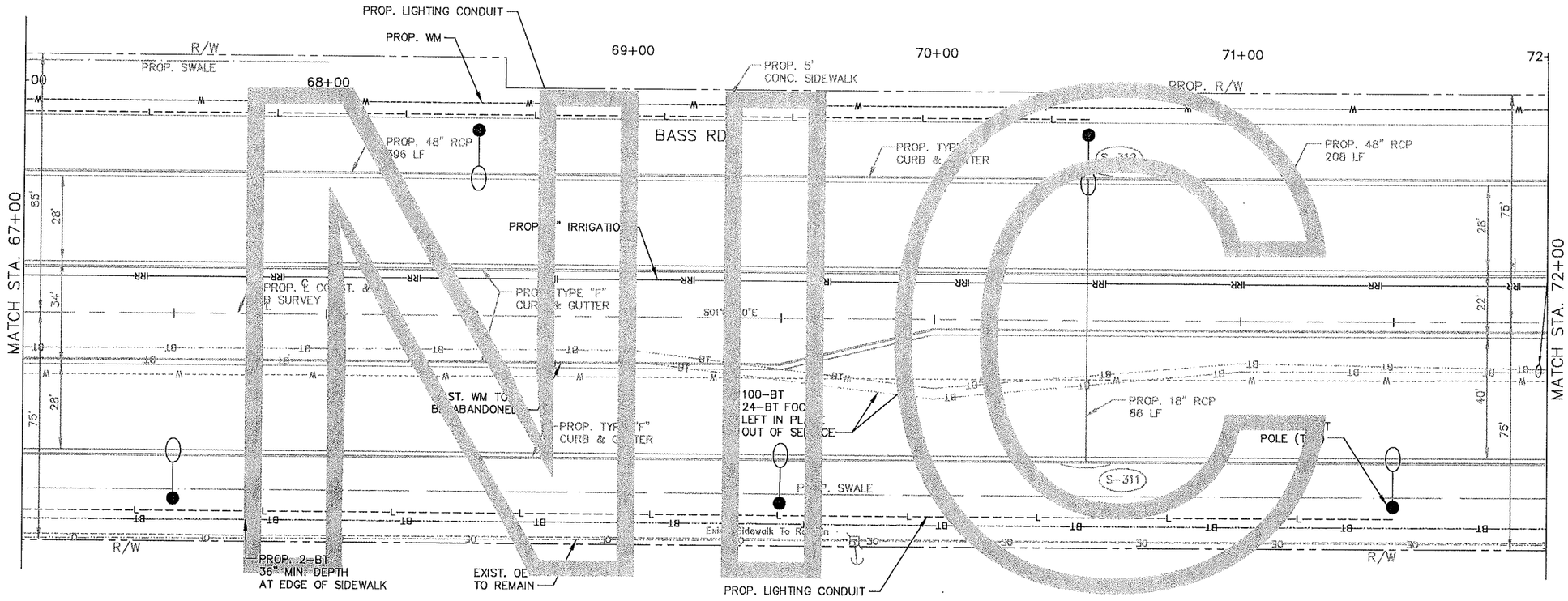
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – BASS ROAD

SHEET 197 of 207 SHEETS

GRAPHIC SCALE

20 0 10 20 40



JAN 08 2008

Phase 2

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NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091829	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION

1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotitle.htm

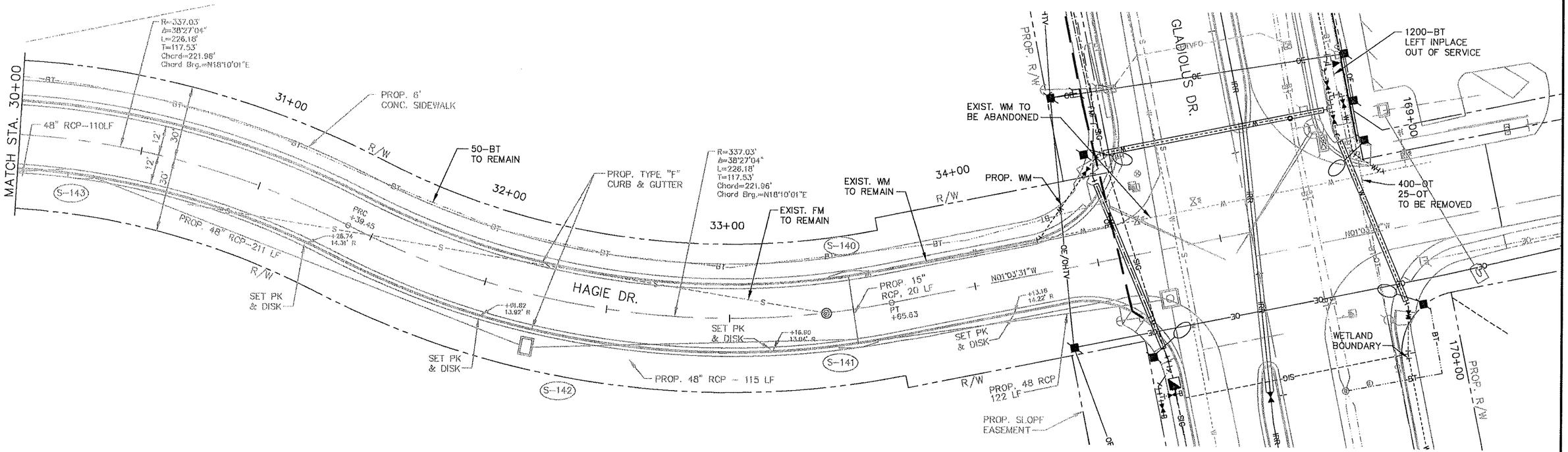
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – BASS ROAD

SHEET 198 of 207 SHEETS

GRAPHIC SCALE

20 0 10 20 40



JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07		1"=40' (11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 020091830		1"=4' (11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

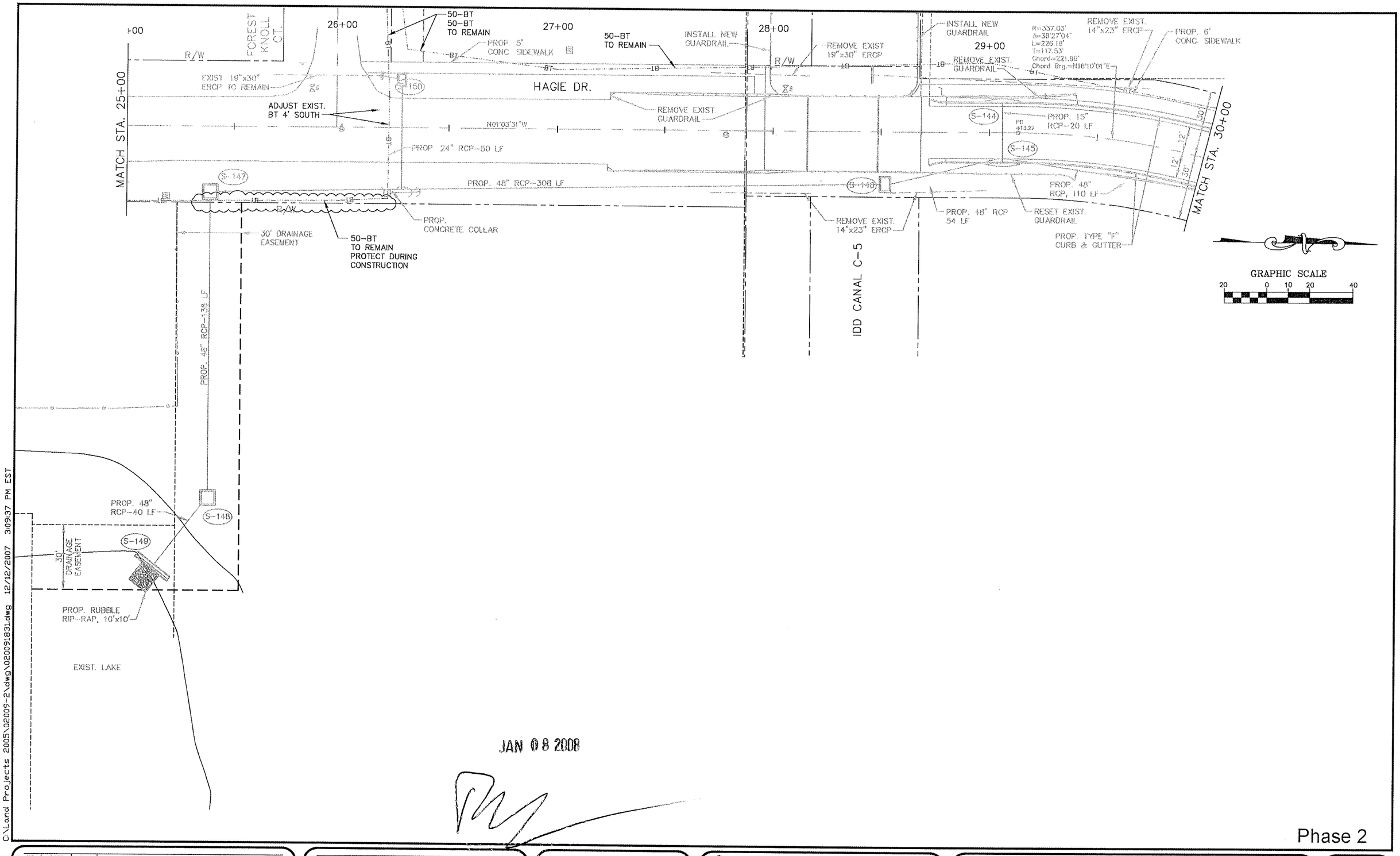
PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA

DEPARTMENT of TRANSPORTATION
ROBERT KIMBALL PHELAN 60391
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(941) 479-8900 www.lee-county.com/publicworks/dotlie.htm

GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
UTILITY ADJUSTMENTS – HAGIE DRIVE

SHEET 199 of 207 SHEETS

C:\Land Projects 2005\02009-2\dwg\020091830.dwg 12/12/2007 3:04:21 PM EST



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JAN 08 2008

Phase 2

NO.	DATE	BY	REVISIONS – DESCRIPTION

DESIGNED: RKP	DATE: 11/07	HORIZ. SCALE: 1"=20'	
DRAWN: LLC	DATE: 11/07	1"=40'	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 02009183I	1"=4'	(11"x17")

APPROVED BY:
ROBERT KIMBALL PHELAN
PROFESSIONAL ENGINEER
FLORIDA PE NO. 60391
DATE:

PUBLIC WORKS
LEE COUNTY
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of
TRANSPORTATION

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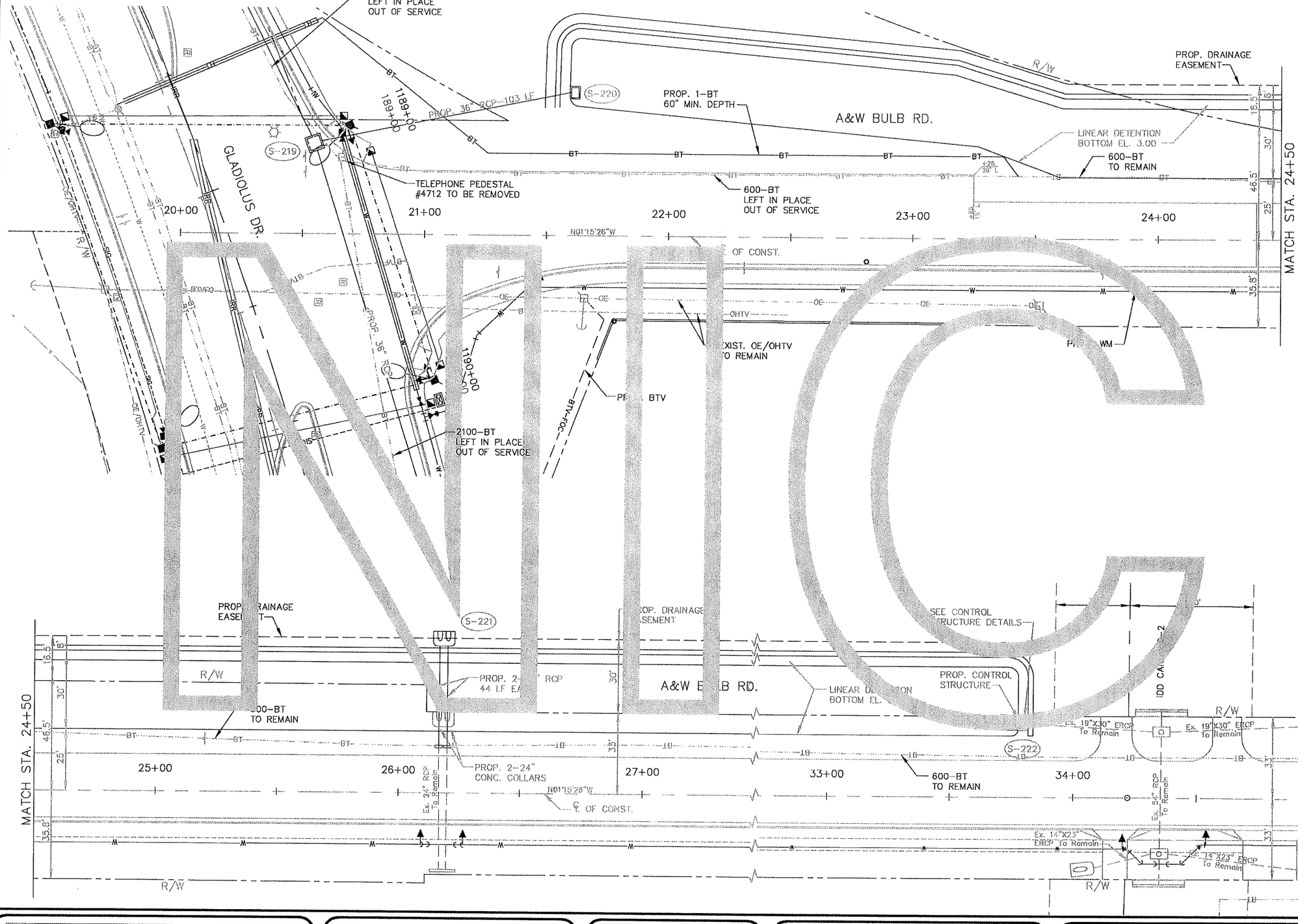
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – HAGIE DRIVE

SHEET
200
of
207
SHEETS



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CHECKED: RKP	DATE: 11/07	VERT. SCALE: 1"=2'	
PROJ NO.: 4083	FILE: 02009832		1"=4' (11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

UTILITY ADJUSTMENTS – A&W BULB ROAD

SHEET 201 of 207 SHEETS

The following narrative of the Stormwater Pollution Prevention Plan contains references to the Standard Specifications for Road and Bridge Construction, the Design Standards, and other sheets of these construction plans. The first sheet of the construction plans (called the Key Sheet) contains an Index to the other sheets. The complete Stormwater Pollution Prevention Plan includes several items: this narrative description, the documents referenced in this narrative, the contractor's approved Erosion Control Plan required by the Specification Section 104, and reports of inspections made during construction.

1.0 SITE DESCRIPTION:

1.a Nature of Construction Activity:
The project is the reconstruction of CR 865 (Gladiolus Drive) and Bass Road to major urban roadways. This involves construction roadway surface, curb and gutter, sidewalk, underground storm sewer systems, and stormwater management facilities. The project extends from Pine Ridge Road to Winkler Road on Gladiolus Drive, and from Health Park to Gladiolus Drive on Bass Road, a distance of approximately 3 miles.

1.b. Sequence of Major Soil Disturbing Activities:

In the Section 104 Erosion Control Plan, the contractor shall provide a detailed sequence of construction for all construction activities. The contractor shall follow the sequence of major activities described below, unless the contractor proposes a different sequence that is equal or better at controlling erosion and trapping sediment and is approved by the Engineer.

For each construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

1. Clearing and grubbing, earthwork, and storm sewer construction for the outfall from the ponds.

2. Clearing and grubbing, earthwork for pond construction.

3. Storm sewer construction. Construct the storm drain pipe in the upstream direction.

4. Earthwork associated with roadway and construction of gravity wall, curb, subgrade, base, pavement and sidewalk.

1.c. Area Estimates:

Total site area (on and offsite): 89.53 acres.
Total area to be disturbed: 52 acres

1.d. Runoff Data: Before CN = 93
After CN = 93

Runoff Coefficients: Before:

Soils Data: The results of the soil borings along the roadway are shown in the Roadway Soil Survey Sheet(s). The results of soil borings are shown in a separate soils report and will be included with the specifications package. In general, the soils are clayey sands.

Outfall Information: There are 5 outfalls.

#1 Description: A drop structure connected to former IDD Canal C-7 to Big Slew Canal.
Location: Existing Lake in Harlem Heights
Drainage Area = 49.20 Acres
Receiving Water body: Deep Lagoon

#2 Description: A drop structure connected to former IDD Canal C-2 to Big Slew Canal.
Location: Proposed linear detention west of A&W Bulb Road.
Drainage Area = 9.32 Acres
Receiving Water Body = Deep Lagoon

#3 Description: A drop structure connected to a wetland preserve to Big Slew Canal.
Location: Existing Lake in Gladiolus Preserve. See drainage Map.
Drainage Area - 14.29 Acres
Receiving Water Body: Deep Lagoon

#4 Description: A drop structure connected to former IDD Canal B-1 to Hendry Creek
Location: Existing lake in Laguna Lakes Subdivision. See Drainage Map.
Drainage Area: 9.08 Acres
Receiving Water Body - Hendry Creek

#5 Description: A drop structure connected to former IDD Canal B-1 to Hendry Creek
Location: An existing detention pond near the existing FP&L easement.
Drainage Area = 7.64 Acres
Receiving Water Body: Hendry Creek

1.e. Site Map:

The construction plans are being used as the site maps. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the Key Sheet of these construction plans.

* Drainage Patterns: The drainage basin divides and flow directions are shown on the Drainage Maps.

* Approximate Slopes: The slopes of the site can be seen in the Cross Section Sheets and the Plan and Profile Sheets.

* Areas of Soil Disturbance: The areas to be disturbed are indicated on the Plan & Profile Sheets, the cross Section Sheets. Any areas where permanent features are shown to be constructed above or below ground will be disturbed.

* Areas Not To Be Disturbed: Essentially the whole project will be disturbed during construction.

* Locations of Temporary Controls: These are shown on the Erosion Control Sheets.

* Locations of Permanent Controls: The stormwater ponds are the primary permanent stormwater management controls. These are shown on the Drainage Maps.

* Areas To Be Stabilized: Temporary stabilization practices are shown in the same location as the temporary controls mentioned above. Permanent stabilization is shown on the Typical Section Sheets and the Plan & Profile Sheets.

* Surfaces Waters: Former IDD Canals C-2, C-5, C-7 and B-1. Also the Big Slew Canal. These are all shown on the Drainage Maps.

* Discharge Points To Surface Waters: the drainage Map shows the discharge points to all existing surface water bodies.

1.f Receiving Waters:

See Item 1.d for the outfall locations and receiving water names.
There are wetland areas on the project site. Impacts are limited to the areas described in the approved permits for the project.

JAN 08 2008

Phase 2

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DRAWN: LLC	DATE: 11/07	N/A	(11"x17")
CHECKED: RKP	DATE: 11/07	VERT. SCALE: N/A	
PROJ NO.: 4083	FILE: 020093601	N/A	(11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
STORMWATER POLLUTION PREVENTION PLAN

SHEET
202
of
207
SHEETS

2.0 CONTROLS:

2.a. Erosion and Sediment Controls:

In the Section 104 Erosion Control Plan, the contractor shall describe the proposed stabilization and structural practices based on the contractor's proposed Traffic control Plan. The following recommended guidelines are based on the Traffic Control Plan (TCP) outlined in the construction plans. Where following the Traffic Control Plan (TCP) outlined in these construction plans, the contractor may choose to accept the following guidelines or modify the plan to adapt to seasonal variation, changes in construction activities, and the for better practices.

For each construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

Phase I of Traffic Control Plans.

Please refer to Traffic Control Plans for sequence of construction.

2.a.1 Stabilization Practices:

In the Section 104 Erosion Control Plan, the contractor shall describe the stabilization practices proposed to control erosion. The contractor shall initiate all stabilization measures as soon as practical, but in no case more than 14 days, in portions of the site where construction activities have temporarily or permanently ceased. The stabilization practices shall include at least the following, unless otherwise approved by the Engineer.

Temporary:

* Artificial coverings in accordance with Specification Section 104.

* Seed and mulch and sod in accordance with Specification Section 104.

Permanent:

* Asphalt or concrete surface.

* Sod in accordance with Specification Section 575.

2.a.2 Structural Practices:

In the Section 104 Erosion control Plan, the contractor shall describe the proposed structural practices to control or trap sediment and otherwise prevent the discharge of pollutants from exposed areas of the site. Sediment controls shall be in place before disturbing soil upstream of the control. The structural practices shall include at least the following, unless otherwise approved by the Engineer.

Temporary:
* Silt fence in accordance with Design Standard 102 and Specification Section 104.

* Baled hay or straw in accordance with Design Standard 102 and Specification Section 104.

* Sandbags to control erosion and trap silt.

* Inlet protection in accordance with Design Standard 102 and special details shown in the TCP.

* Sediment Basin. The permanent stormwater ponds will be temporarily modified according to the details in the TCP.

Permanent:
* Stormwater ponds.

* Sod.

2.b Stormwater Management:

Several storm sewer systems will be constructed to convey runoff to five (5) stormwater retention/detention ponds. The facilities have been permitted by the Florida Department of Environmental Protection (FDEP) and comply with applicable design standards.

2.c Other Controls:

2.c.1 Waste Disposal:

In the Section 104 Erosion control Plan, the contractor shall describe the proposed methods to prevent the discharge of solid materials, including building materials, to waters of the United States. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

* Providing litter control and collection within the project during construction activities.

* Disposing of all fertilizer or other chemical containers according to EPA's standard practices as detailed by the manufacturer.

* Disposing of solid materials including building and construction materials off the project site but not in surface waters or wetlands.

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Phase 2

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PROJ NO.: 4083	FILE: 020093602	N/A	(11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
STORMWATER POLLUTION PREVENTION PLAN

2.c.2 Off–Site Vehicle Tracking & Dust Control:

In the Section 104 Erosion Control Plan, the contractor shall describe the proposed methods for minimizing offsite vehicle tracking of sediments and generating dust. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

* Covering loaded haul trucks with tarpaulins.

* Removing excess dirt from roads daily.

* Stabilizing construction entrances according to Design Standard 106.

* Using roadway sweepers during dust generating activities such as excavation and milling operations.

2.c.3 State and Local Regulations For Waste Disposal, Sanitary Sewer or Septic Tank Regulations:

In the Section 104 Erosion control Plan, the contractor shall describe the proposed procedures to comply with applicable state and local regulations for waste disposal and sanitary sewer or septic systems.

2.c.4 Fertilizers and Pesticides:

In the Section 104 Erosion Control Plan, the contractor shall describe the procedures for applying fertilizers and pesticides. The proposed procedures shall comply with applicable subsections of either Section 570 or 577 of the specifications.

2.c.5 Toxic Substances:

In the Section 104 Erosion Control Plan, the contractor shall provide a list of toxic substances that are likely to be used on the job and provide a plan addressing the generation, application, migration, storage and disposal of these substances.

2.d.4 Approved State and Local Plans and Permits:

* FDEP Rule Chapter 62–25 F.A.C.

* Lee County Environmental Management Ordinance Number

3.0 MAINTENANCE:

In the Section 104 Erosion Control Plan, the contractor shall provide a plan for maintaining all erosion and sediment controls throughout construction. The maintenance plan shall at a minimum comply with the following.

* Silt Fence: Maintain per Section 104. The contractor should anticipate replacing silt fence on 12 month intervals.

* Baled Hay or Straw: Remove sediment when it reaches $\frac{1}{2}$ height of bales or when water ponds in unacceptable amounts or areas. The contractor should anticipate replacing straw bales on 3–month intervals.

4.0 Inspections:

Qualified personnel shall inspect the following items at least once every seven calendar days and within 24 hours of the end of a storm that is 0.25 inches or greater. To comply, the contractor shall install and maintain gages and record the daily rainfall. Where sites have been permanently stabilized inspections shall be conducted at least once every month. The contractor shall also inspect that controls installed in the field agree with the latest Stormwater Pollution Prevention Plan.

* Points of discharge to waters of the United States.

* Points of discharge to municipal separate storm sewer systems.

* Disturbed areas of the site that have not been finally stabilized.

* Areas used for storage of materials that are exposed to precipitation.

* Structural controls.

* Stormwater management systems.

* Locations where vehicles enter or exit the site.

The contractor shall initiate repairs within 24 hours of inspections that indicate items are not in good working order.

If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment and prevent discharging pollutants, the contractor shall provide additional measures, as approved by the Engineer.

5.0 NON–STORMWATER DISCHARGES:

In the Section 104 Erosion Control Plan, the contractor shall identify all anticipated non–stormwater discharges (except flows from fire fighting activities). The contractor shall describe the proposed measures to prevent pollution of these non–stormwater discharges. If the contractor encounters contaminated soil or ground water, contact the Project Engineer

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Phase 2

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PROJ NO.: 4083	FILE: 020093603	N/A	(11"x17")

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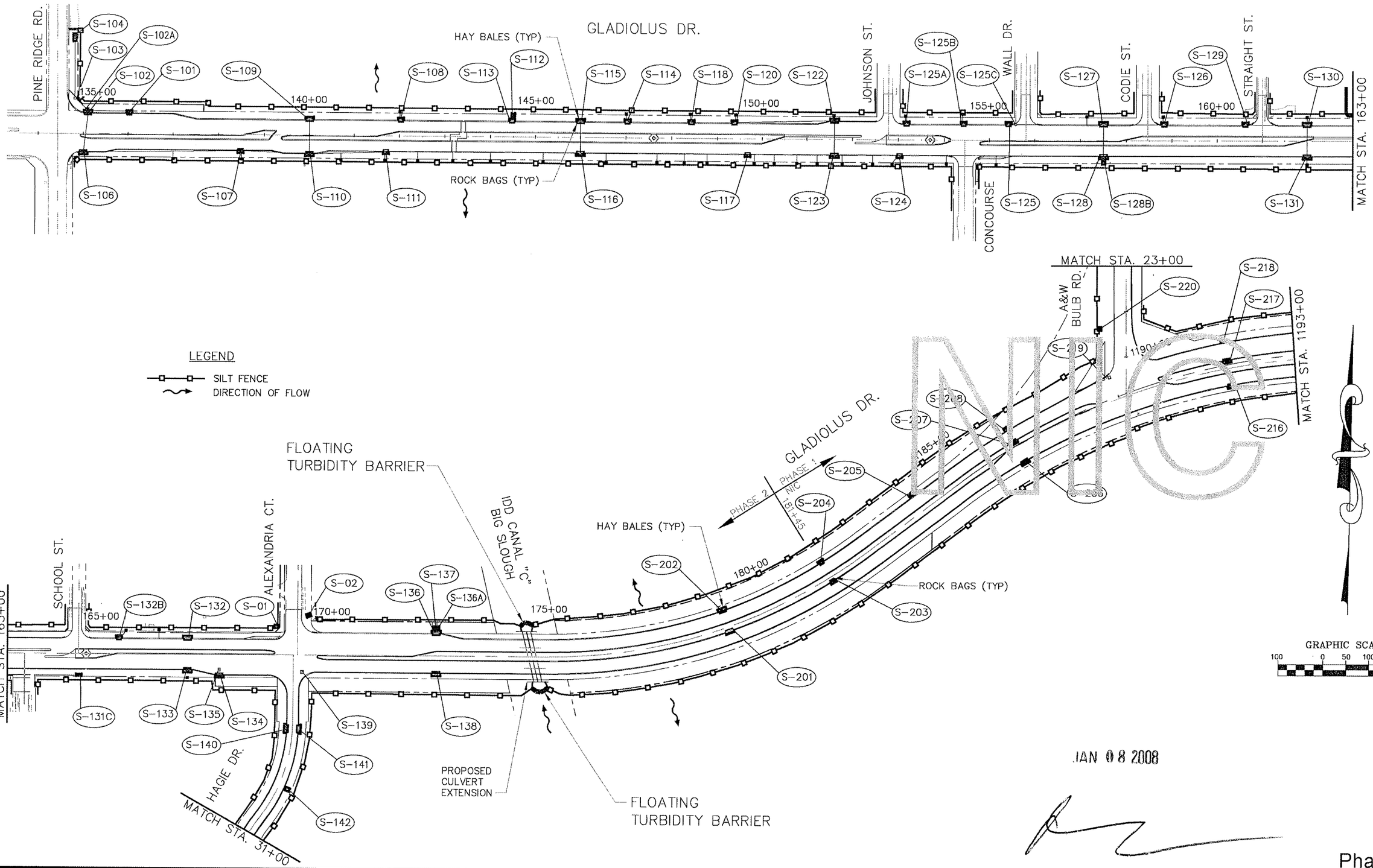
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
STORMWATER POLLUTION PREVENTION PLAN

SHEET 204 of 207 SHEETS



LEGEND

SILT FENCE

DIRECTION OF FLOW

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JAN 08 2008

Phase 2

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PROJ NO.: 4083	FILE: 020093701	N/A (11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

EROSION CONTROL PLAN

SHEET 205 of 207 SHEETS

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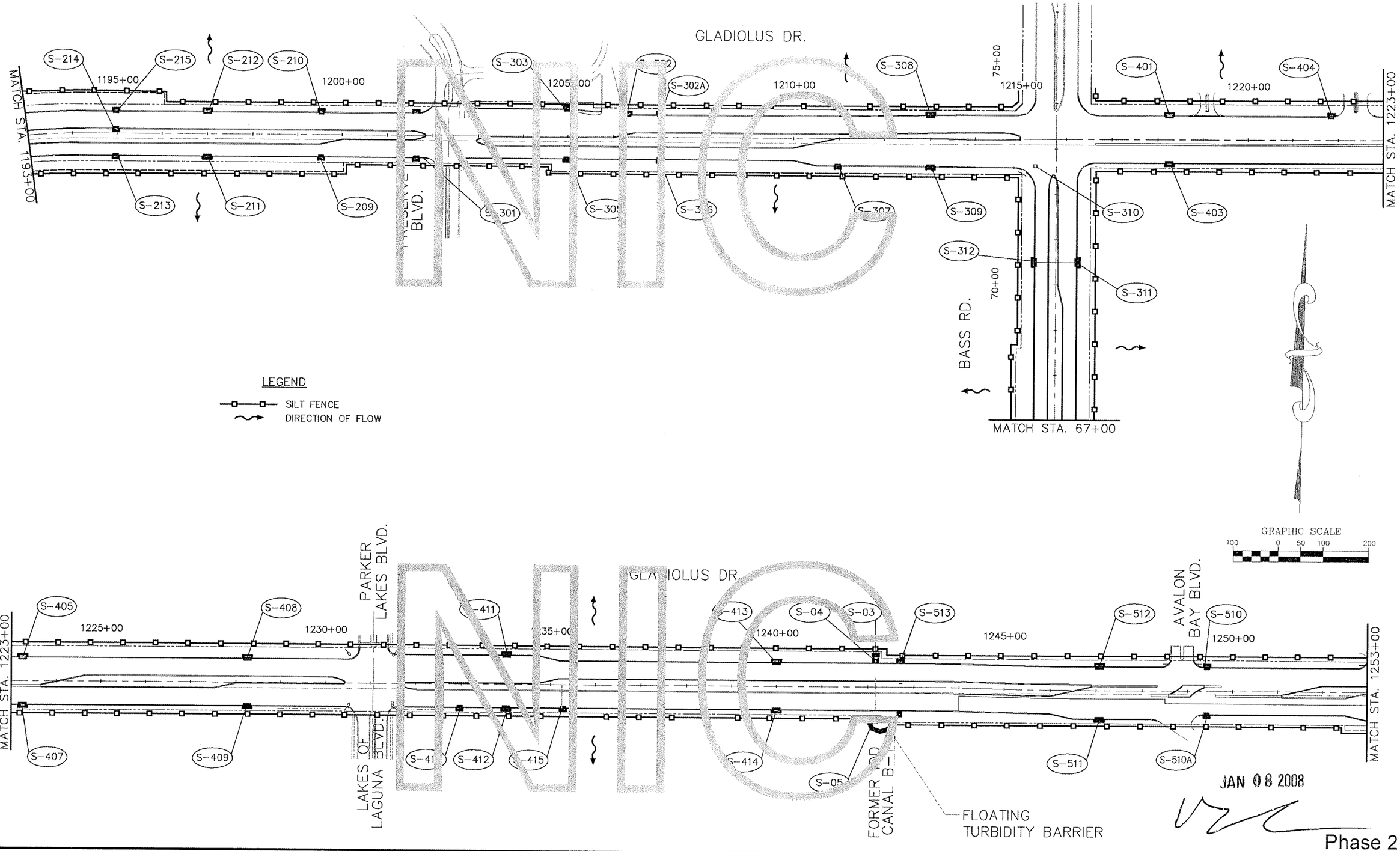

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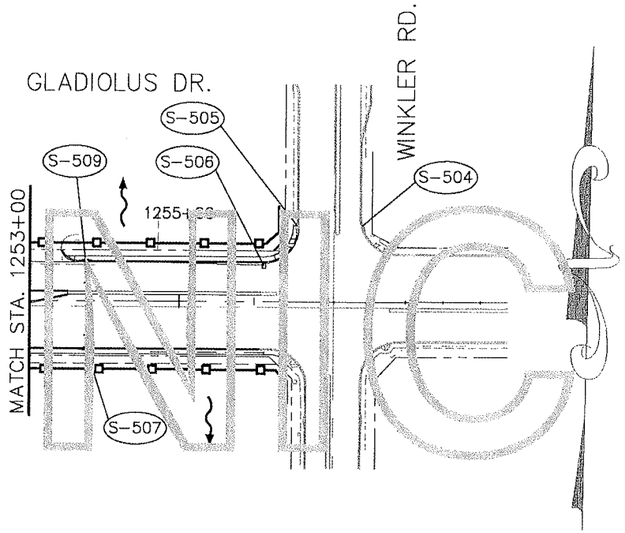
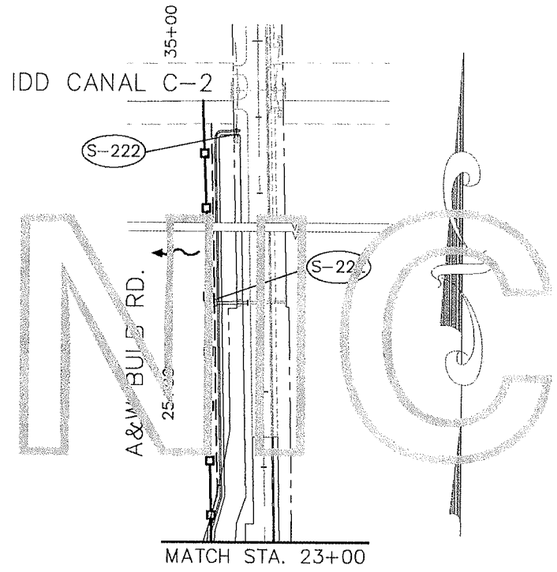
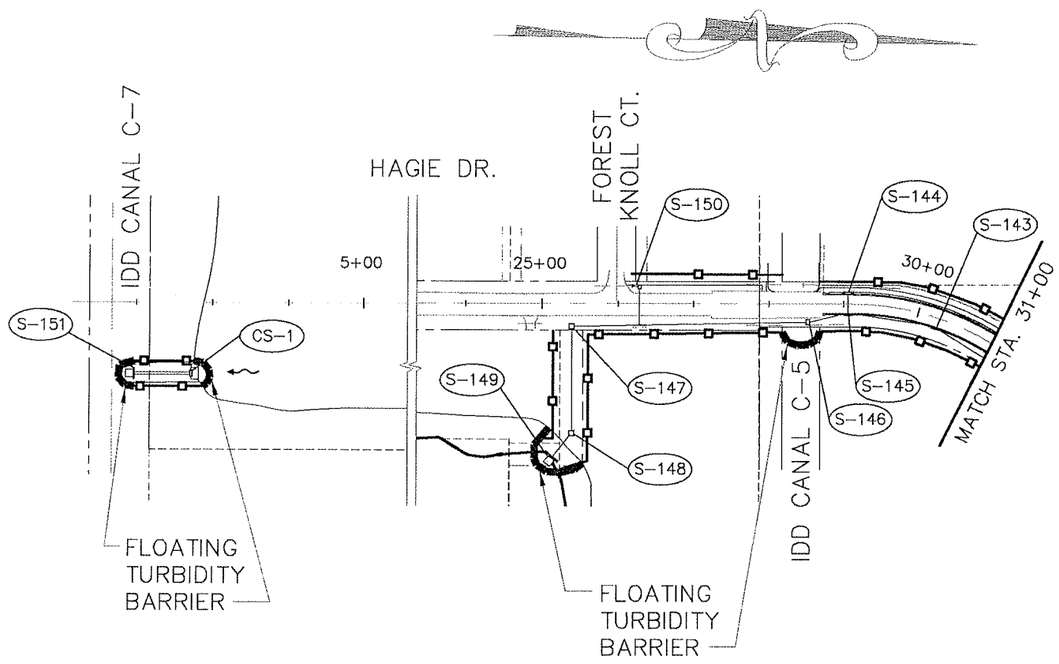
GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD
EROSION CONTROL PLAN

SHEET 206 of 207 SHEETS







LEGEND

SILT FENCE

DIRECTION OF FLOW

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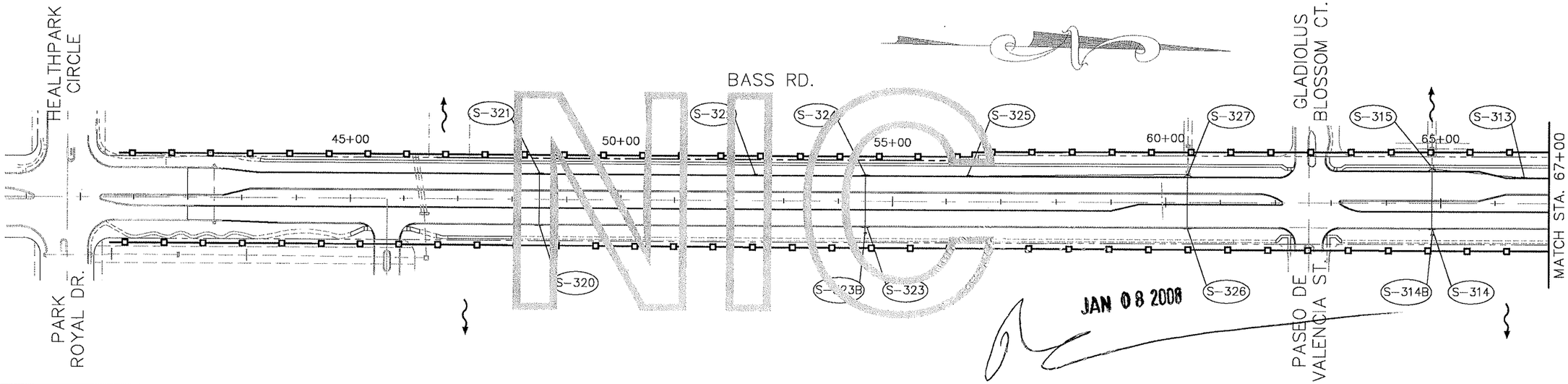

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Phase 2

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PROJ NO.: 4083	FILE: 020093703		N/A (11"x17")

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GLADIOLUS DRIVE WIDENING
PINE RIDGE ROAD TO WINKLER ROAD

EROSION CONTROL PLAN

SHEET 207 of 207 SHEETS

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