

PLANS FOR
BASIN BASED
NEIGHBORHOOD FLOOD MITIGATION AND
STORMWATER QUALITY IMPROVEMENT PROJECT
TOWN OF FORT MYERS BEACH
 SECTION 19, TOWNSHIP 46 SOUTH, RANGE 24 EAST
 LEE COUNTY, FLORIDA

LIST OF UTILITY SERVICE AREAS:

POWER
 FLORIDA POWER AND LIGHT
 15834 WINKLER ROAD
 FORT MYERS, FLORIDA 33908
 (239) 415-1302

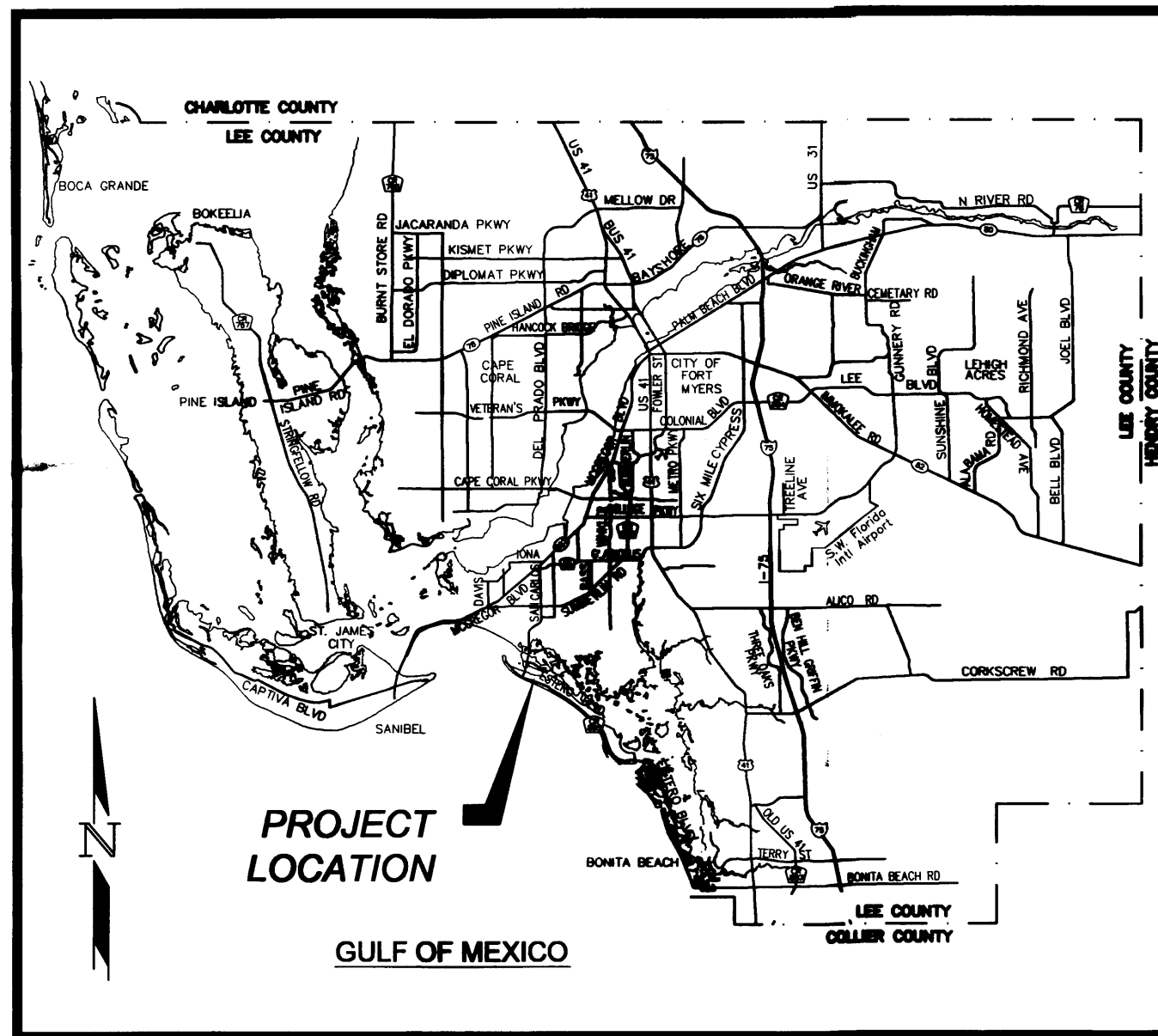
WATER
 TOWN OF FORT MYERS BEACH
 2523 ESTERO BOULEVARD
 FORT MYERS BEACH, FLORIDA 33931
 (239) 765-0202

SEWER
 LEE COUNTY UTILITIES
 1500 MONROE STREET
 FORT MYERS, FLORIDA 33906
 (239) 533-8181

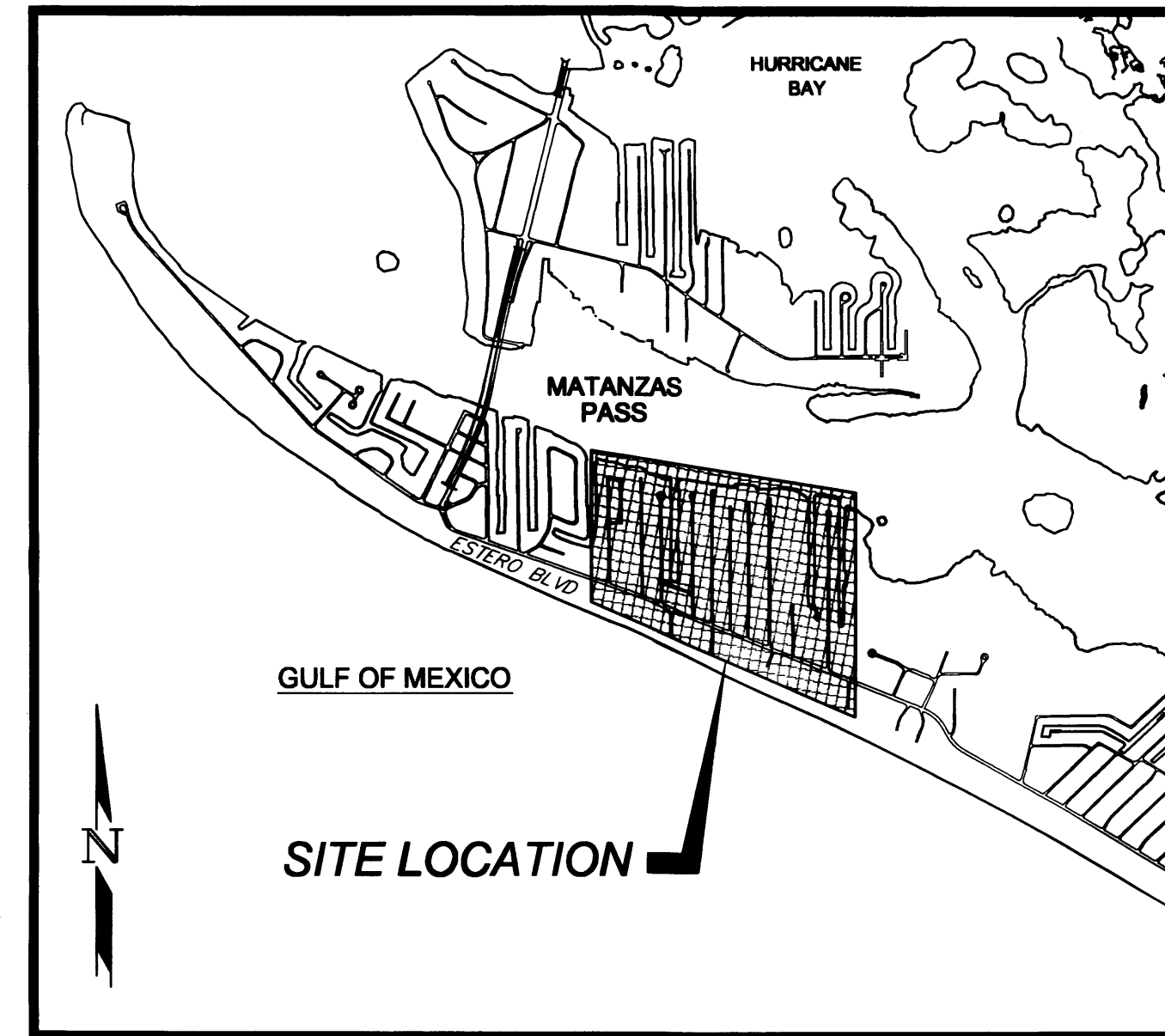
NATURAL GAS
 TECO / PEOPLES GAS
 5901 ENTERPRISE PARKWAY
 FORT MYERS, FLORIDA 33905
 (239) 690-5507

TELEPHONE
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 P. O. BOX 370
 FORT MYERS, FLORIDA 33901
 (239) 336-2011

CABLE
 COMCAST CABLE
 1418 SE 10TH STREET
 CAPE CORAL, FLORIDA 33990
 (239) 574-2020



PROJECT LOCATION MAP
 NOT TO SCALE



PROJECT SITE MAP
 NOT TO SCALE

INDEX OF DRAWINGS

- C-01 COVER SHEET
- C-02 ABBREVIATIONS, LEGENDS AND STANDARD NOTES
- C-03 DRAINAGE BASIN MAP
- (NOT INCLUDED, TYP.) C-04 & C-05 PLAN, PROFILE AND CROSS SECTIONS - CAROLINA AVENUE
- C-06 & C-07 PLAN, PROFILE AND CROSS SECTIONS - OSTEGO DRIVE
- C-08 & C-09 PLAN, PROFILE AND CROSS SECTIONS - MIRAMAR STREET
- C-10 & C-11 PLAN, PROFILE AND CROSS SECTIONS - OHIO AVENUE
- C-12 PLAN, PROFILE AND CROSS SECTIONS - BAYVIEW DRIVE
- C-13 & C-14 PLAN, PROFILE AND CROSS SECTIONS - VIRGINIA AVENUE
- C-15 & C-16 PLAN, PROFILE AND CROSS SECTIONS - PEARL STREET
- C-17 & C-18 PLAN, PROFILE AND CROSS SECTIONS - DELMAR AVENUE
- C-19 & C-20 PLAN, PROFILE AND CROSS SECTIONS - FAIRWEATHER LANE
- C-21 & C-22 PLAN, PROFILE AND CROSS SECTIONS - MANGO STREET
- C-23 PLAN, PROFILE AND CROSS SECTIONS - CHAPEL STREET
- C-24 & C-25 PLAN, PROFILE AND CROSS SECTIONS - TROPICAL SHORES WAY
- C-26 PLAN, PROFILE AND CROSS SECTIONS - AVENUE E
- C-27 PLAN, PROFILE AND CROSS SECTIONS - MIRAMAR ST. (GULF SIDE)
- C-28 PLAN, PROFILE AND CROSS SECTIONS - PALM AVENUE
- C-29 PLAN, PROFILE AND CROSS SECTIONS - MANGO STREET (GULFSIDE)
- C-30 PLAN, PROFILE AND CROSS SECTIONS - COTTAGE AVENUE
- C-31 PLAN, PROFILE AND CROSS SECTIONS - CHAPEL STREET (GULFSIDE)
- C-32 PLAN, PROFILE AND CROSS SECTIONS - SOUTH ESTERO BLVD.
- C-33 PLAN, PROFILE AND CROSS SECTIONS - SOUTH ESTERO BLVD.
- C-34 PLAN, PROFILE AND CROSS SECTIONS - SOUTH ESTERO BLVD.
- C-35 PLAN, PROFILE AND CROSS SECTIONS - SOUTH ESTERO BLVD.
- C-40 SOILS MAP
- C-41 FLUGFGS MAP
- C-42 AERIAL MAP

PREPARED FOR:

**FORT MYERS BEACH
 TOWN COUNCIL**

- | | |
|-------------|--------------|
| LARRY KIKER | MAYOR |
| HERB ACKEN | VICE MAYOR |
| TOM BABCOCK | COUNCILMAN |
| JO LIST | COUNCILWOMAN |
| BOB RAYMOND | COUNCILMAN |

DEPARTMENT OF PUBLIC WORKS

JACK GREEN, INTERIM TOWN MANAGER
 CATHIE LEWIS, DEPUTY PUBLIC WORKS DIRECTOR

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 FORT MYERS BEACH, FLORIDA 33931
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THESE DRAWINGS ARE FOR REVIEW PURPOSES ONLY
 AND ARE NOT APPROVED FOR CONSTRUCTION.

FEDERAL COST-SHARE FUNDING SOURCE:

FEMA HMGP 1609 - 48 - R
 DEM ID No.: 09HM-37-09-46-02-017

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), UNLESS OTHERWISE SPECIFIED. ALL TYPICAL DETAILS ARE PER FDOT - "DESIGN STANDARDS" (LATEST EDITION), LEE COUNTY UTILITIES (SEWER), AND TOWN OF FORT MYERS BEACH (WATER) - UNLESS OTHERWISE SPECIFIED.

REVISIONS

NO.	DATE	REVISION	BY	APPROVED

ECT PROJECT No.: 08 -1063

BRADLEY S. VANCE, P.E. DATE
 FLORIDA P.E. No. 43748

SHEET NUMBER
C-01

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ABBREVIATIONS:

A	ACRE
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ASB	ASBESTOS
B.M.	BENCH MARK
C.B.	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIP	CAST IRON PIPE
C.J.	CONSTRUCTION JOINT
C.M.P.	COMPACTED METAL PIPE
C.O.	CLEANOUT
CY	CHECK VALVE
CF	CUBIC FOOT
CY	CUBIC YARD
CL	CENTER LINE
C.L.F.	CHAIN LINK FENCE
COL.	COLUMN
CONC.	CONCRETE
CONST	CONSTRUCT
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CU	COPPER
CI	CUBIC INCH
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM	DIMENSION
DIST.	DISTANCE
D.I.P.	DUCTILE IRON PIPE
D.E.	DRAINAGE EASEMENT
DRWG.	DRAWING
E	EACH
E.A.	EXISTING GRADE LINE
E.G.L.	ELEVATION
ELV.	ELEVATION
EQUIP.	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
EX. EXIST.	EXISTING
F.F.	FINISHED FLOOR
F.F.E.	FINISHED FLOOR ELEVATION
FM	FORCE MAIN
FOUND.	FOUNDATION
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
N.G.	NATURAL GAS
G.C.	GENERAL CONTRACTOR
G.G.	GALVANIZED IRON
GPM	GALLONS PER MINUTE
G.V.	GATE VALVE
GA.	GALLON
G	GRADE
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
HOR.	HORIZONTAL
HYD.	HYDRANT
I.D.	INSIDE DIAMETER
IRR	IRRIGATION
INV.	INVERT
L.A.E.	LAKE ACCESS EASEMENT
M.G.D.	MILLION GALLONS PER DAY
MB	MAILBOX
M.H.	MANHOLE
M.J.	MECHANICAL JOINT
MAX.	MAXIMUM
MECH.	MECHANICAL
M.E.S.	MITERED END SECTION
MANF.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
N.P.W.	NON POTABLE WATER
N.T.S.	NOT TO SCALE
NO. / #	NUMBER
NOM.	NOMINAL
NG	NATURAL GAS
O.C.	ON CENTER
O.C.E.W.	ON CENTER EACH WAY
O.D.	OUTSIDE DIAMETER
P.G.L.	PROPOSED GRADE LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P.V.	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PE	POLYETHYLENE
PVMT.	POINT OF VERTICITY
PC	PROPERTY LINE
P	POTABLE WATER
PH	POINT OF TANGENCY
P.T.	PUBLIC UTILITY EASEMENT
P.U.E.	POINT OF VERTICAL INTERSECTION
PVI	POINT OF VERTICAL INTERSECTION
QTY.	QUANTITY
R	RADIUS
RD.	ROAD
RCPP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
R.O.W.	RIGHT OF WAY
R/W	RIGHT OF WAY
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
S.S.	STAINLESS STEEL
SAN.	SANITARY
SCHD.	SCHEDULE
SECT.	SECTION
SEW.	SEWER
SHT.	SHEET
SPEC.	SPECIFICATION
SO.	SQUARE
ST.	STREET
STA.	STATION
ST.	STEEL
STAND.	STANDARD
SYM.	SYMMETRICAL
TOE	TOE OF SLOPE
TOB	TOP OF BANK
THK.	THICK
TEL.	TELEPHONE
TEMP.	TEMPERATURE
TRANS.	TRANSFORMER
TYP.	TYPICAL
USPS	UNITED STATES POSTAL SERVICE
U.E.	UTILITY EASEMENT
VERT.	VERTICAL
W	WATER
WM	WATER MAIN
W	WITH
W/O	WITHOUT
WD.	WOOD
WT	WEIGHT
WSWT	WET SEASON WATER TABLE
W.V.	WATER VALVE

SYMBOLS

	GATE VALVE / PLUG VALVE
	TEE ASSEMBLY
	REDUCER
	FIRE HYDRANT
	FIRE HYDRANT ASSEMBLY WITH GATE VALVE
	MITERED END SECTION
	MANHOLE (EXISTING)
	HEADWALL
	DRAINAGE INLET
	CONCRETE UTILITY POLE
	WOOD UTILITY POLE
	GUY WIRE ANCHOR
	LIGHT POLE
	TELEPHONE SERVICE PEDESTAL
	SIGN
	NATURAL GAS MARKER
	CLEAN-OUT
	MAILBOX (EXISTING)
	PROPERTY CORNER
	WATER METER
	BACKFLOW PREVENTION DEVICE
	WOOD POST
	CONCRETE BOLLARD
	ELECTRICAL TRANSFORMER
	SUPPORT COLUMN

HATCH PATTERNS

	WETLANDS
	UPLAND BUFFER
	UPLAND AREAS
	LITTORAL SHELF AREA
	COMPENSATING LITTORAL PLANTING AREA
	RIP RAP
	PROPOSED WATER
	EXISTING WATER
	INDIGENOUS AREA
	EARTH
	CONCRETE
	BRICK PAVERS
	GRAVEL BACKFILL

LINETYPES

	EXISTING	PROPOSED
RIGHT OF WAY	---	---
LAKE MAINTENANCE EASEMENT	---	---
PUBLIC UTILITY EASEMENT	---	---
DRAINAGE EASEMENT	---	---
CENTER LINE	---	---
WETLAND BOUNDARY	---	---
FORCE MAIN	FM	FM
SANITARY SEWER	SS	SS
WATER MAIN	WM	WM
STORM WATER PIPE	---	---
PERIMETER BERM		
FENCE LINE	---	---
SILT FENCE	---	---
DITCH	---	---
DRAINAGE BASIN BOUNDARY	---	---
COASTAL CONSTRUCTION CONTROL LINE (MAY 30, 1991)	---	---
10-YEAR STILL WATER ELEVATION (2.5' NAVD88)	~~~~~	~~~~~
MEAN HIGH WATER ELEVATION (0.14' NAVD88)	~~~~~	~~~~~
10-YEAR STILL WATER ELEVATION (4.9' NAVD88) (OPEN COAST)	~~~~~	~~~~~

SPECIFICATIONS, PERMITS, and CONDITIONS

THE WORD "TOWN" SHALL MEAN THE "TOWN OF FORT MYERS BEACH".

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), UNLESS OTHERWISE SPECIFIED. ALL TYPICAL DETAILS ARE PER FDOT - "DESIGN STANDARDS" (LATEST EDITION), LEE COUNTY UTILITIES (SEWER), AND TOWN OF FORT MYERS BEACH (WATER) - UNLESS OTHERWISE SPECIFIED.

ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE PERMITS FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) AND U.S. ARMY CORPS OF ENGINEERS (USACE).

THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO THE INITIATION OF ANY DEVIATION FROM THE APPROVED PLANS. NO SUCH DEVIATION(S) SHALL BE AUTHORIZED WITHOUT PRIOR WRITTEN APPROVAL BY THE PROJECT ENGINEER. IF A REQUIRED DIMENSION IS NOT SHOWN OR A DISCREPANCY IS FOUND ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO COMMENCING THAT PART OF THE AFFECTED CONSTRUCTION.

PROVISIONS FOR EXISTING DRAINAGE PATTERNS SHALL BE PROVIDED DURING CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED DEWATERING PERMITS.

THE LOCATIONS AND ELEVATIONS OF THE PROPOSED IMPROVEMENTS ARE SUBJECT TO MODIFICATION IN THE FIELD BY TOWN OR PROJECT ENGINEER TO PRESERVE EXISTING FEATURES.

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE THE CONSTRUCTION AREA (RIGHT OF WAY) TO THEIR ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL PAY.

ALL DAMAGE(S) TO THE EXISTING ROADWAY, DRIVEWAYS, SIDEWALKS, UTILITIES, OR OTHER APPURTANANCES SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE TOWN/PROJECT ENGINEER AT NO ADDITIONAL PAY.

THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND REFUSE FROM CONSTRUCTION AREA (RIGHT OF WAY) AND DISPOSE OF ACCORDING TO ALL APPLICABLE REGULATIONS.

DURING CONSTRUCTION, IF ANY FORTUITOUS (HISTORICAL OR ARCHAEOLOGICAL) FINDS ARE DISCOVERED OR OBSERVED, ALL WORK SHALL CEASE IN THE AREA. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE PROJECT ENGINEER WHO WILL NOTIFY THE TOWN. EXAMPLES MAY INCLUDE FRAGMENTS OF STONE TOOLS, SHELLS, SHELL TOOLS, POTTERY, GLASS, BOTTLES, ANIMAL BONES, BUILDING FOUNDATIONS, SHELL MOUNDS OR SAND MOUNDS. THE TOWN WILL ASSESS THE SIGNIFICANCE OF THE FINDS IN A TIMELY MANNER.

IF ANY HUMAN SKELETAL REMAINS (UNMARKED BURIALS) ARE FOUND, ALL WORK IN THE AREA SHALL STOP AND THE NEAREST (LOCAL) LAW ENFORCEMENT OFFICE SHALL BE IMMEDIATELY NOTIFIED, ACCORDING TO STATE LAW (F.S. 872.05), IT IS UNLAWFUL TO DAMAGE OR DESTROY A HUMAN BURIAL SITE.

ALL EXCAVATION(S) SHALL BE CONSIDERED AS "UNCLASSIFIED".

SURVEYS and MONUMENTATION

THE BASE DRAWING INFORMATION REPRESENTS THE INFORMATION CONTAINED IN THE SPECIFIC PURPOSE SURVEY (RIGHT OF WAY and MUNICIPAL IMPROVEMENTS) PROVIDED BY METRON SURVEYING, INC. DATED 5/29/2009. ALL ELEVATIONS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS ESTABLISHED BY METRON SURVEYING, INC.

THESE DRAWINGS ARE NOT INTENDED TO REPRESENT A BOUNDARY SURVEY AS DEFINED BY FLORIDA STATUTE.

ALL EXISTING MONUMENTATION SHALL BE PROTECTED. IF ANY MONUMENTATION IS DISTURBED OR DESTROYED, IT SHALL BE REPLACED AFTER CONSTRUCTION IS COMPLETE, TO THE REQUIRED ACCURACY, BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER (PSM) AT THE CONTRACTOR'S EXPENSE.

A PERMANENT BENCHMARK(S) SHALL BE ESTABLISHED WITHIN 100' OF EACH STORM WATER STRUCTURE OR GROUP OF STORM WATER STRUCTURES BY A FLORIDA STATE LICENSED PROFESSIONAL SURVEYOR & MAPPER (PSM).

THE CONTRACTOR SHALL MAINTAIN A CURRENT AND UPDATED SET OF AS-BUILT DRAWINGS AT ALL TIMES AND PROVIDE ONE (1) COPY TO THE PROJECT ENGINEER UPON COMPLETION OF CONSTRUCTION.

PROPRIETARY PRODUCT(S) SUBSTITUTION APPROVAL

THE PRODUCT AND/OR MATERIAL SELECTIONS FOR THE PROPRIETARY COMPONENTS SHOWN ON THESE PLANS WERE DETERMINED BASED ON THEIR APPLICATION(S) TO THIS PROJECT. THE PRODUCT AND/OR MATERIAL SPECIFIED SHALL BE CONSIDERED THE MINIMUM PERFORMANCE ACCEPTABLE IN ACCORDANCE WITH THE ASSOCIATED PRODUCT(S). THE CONTRACTOR HAS THE OPPORTUNITY TO PROPOSE ALTERNATIVE PRODUCTS AND/OR MATERIALS FOR THE PURPOSES OF PROVIDING AN "EQUAL" SUBSTITUTION. HOWEVER, THE PROPOSED ALTERNATIVE PRODUCT(S) AND/OR MATERIALS SHALL PROVIDE AT LEAST THE SAME QUALITIES AS THOSE SPECIFIED FOR THE APPLICATION. ALL PRODUCT(S) AND/OR MATERIAL SHALL EQUALLY CONFORM TO THE LATEST ASTM SPECIFICATIONS OR OTHER LISTED COMMERCIAL SPECIFICATIONS (e.g. UL) COVERING THE CLASS OR KIND OF PRODUCT(S) AND/OR MATERIAL(S) BEING USED. ALL PRODUCT(S) AND/OR MATERIAL(S) SHALL DEMONSTRATE A MINIMUM OF FIVE (5) SOUTHWEST FLORIDA INSTALLATIONS THAT HAVE A MINIMUM CONTINUOUS IN-SERVICE PERIOD OF FIVE (5) YEARS.

PAVING, GRADING and DRAINAGE

ALL CULVERTS AND STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONCRETE PIPE SHALL CONFORM TO CLASS III (ASTM C76) FOR ROUND PIPE AND CONFORM TO TABLE I FOR CLASS HE-III (ASTM C507) FOR ELLIPTICAL PIPE. ALL PIPE JOINTS SHALL USE RUBBER GASKETS (ROUND) OR PREFORMED PLASTIC (ELLIPTICAL). BE WRAPPED PER FDOT SPECIFICATIONS, AND LIFTING HOLES SHALL NOT BE PERMITTED.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH INLET FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT ENGINEER PRIOR TO FABRICATION. ALL INLETS ARE TO BE PROVIDED WITH PER FDOT STANDARD INDEX (LATEST EDITION).

DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE APPROPRIATELY COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND SILTATION FROM ENTERING INTO THE STORM SYSTEM.

VERTICAL AND STRAIGHT "SAW CUTS" THROUGH EXISTING PAVEMENT AND BASE MATERIAL ARE REQUIRED WHERE NEW PAVEMENT MATCHES TO EXISTING PAVEMENT.

ALL BACKFILLING SHALL BE PLACED IN MAXIMUM EIGHT INCH (8") LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM 1557, EXCEPT AS OTHERWISE PROVIDED OR INDICATED.

ALL SURFACES SHALL VARY EVENLY AND SMOOTHLY BETWEEN THE INDICATED GRADES.

A 2-1/2" ALLOWANCE (OVER EXCAVATION) SHALL BE PROVIDED FOR ALL AREAS TO BE SODDED FROM THAT SHOWN AS "FINISHED GRADE" TO THAT OF "TOP OF SOD".

THE CONTRACTOR SHALL PROVIDE COMPLIANT IN-PLACE DENSITY TESTS (1 PER 500 ± SQUARE FEET) TO THE PROJECT ENGINEER FOR THE LIMEROCK BASE AREAS PRIOR TO PLACEMENT OF THE ASPHALT PAVING.

EXISTING UTILITIES

THE WATERMAIN LOCATIONS ARE SHOWN AS WAS GRAPHICALLY DISCERNIBLE FROM THE RECORD DRAWINGS PROVIDED BY THE TOWN OF FORT MYERS BEACH. THE SIZE WAS ASSUMED AS 6" DIAMETER WITH AN AVERAGE DEPTH OF 24"/30" (2.25') TO TOP OF PIPE.

THE ELEVATIONS OF SEWER MAINS AND MANHOLES ARE SHOWN AS WAS GRAPHICALLY DISCERNIBLE FROM THE RECORD DRAWINGS PROVIDED BY THE TOWN OF FORT MYERS BEACH. THESE ELEVATIONS WERE CONVERTED FROM NAVD29 TO NAVD88 BY SUBTRACTING 1.18' FROM THAT INDICATED.

ALL ADJUSTMENTS OR RELOCATIONS OF ANY UTILITY SHALL BE IN ACCORDANCE WITH THE OWNER'S SPECIFICATIONS AND DETAILS.

THE LOCATIONS OF ALL UTILITIES AS INDICATED ARE APPROXIMATE AND MAY VARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND PROTECTION OF ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION.

PROVISIONS FOR PROTECTION AND OPERATION OF THE WATER AND SEWER SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGES INCURRED TO ANY UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNER(S) AT LEAST 72 HOURS PRIOR TO BEGINNING WORK AFFECTING ANY UTILITY.

STORM WATER POLLUTION PREVENTION PLAN (SWP3)

THE CONTRACTOR SHALL PROVIDE THE TOWN AND PROJECT ENGINEER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) IN COMPLIANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GUIDELINES AND CRITERIA PRIOR TO THE START OF CONSTRUCTION.

ALL POLLUTION PREVENTION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER ANY STORM EVENT(S) GREATER THAN 1/2 INCH IN 24 HOURS.

ALL POLLUTION PREVENTION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. ALL REPAIRS SHALL BE INITIATED IMMEDIATELY, BUT NOT LONGER THAN TWENTY-FOUR (24) HOURS AFTER DISCOVERY.

TRAFFIC CONTROL PLAN

CONTRACTOR SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN TO THE TOWN AND PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO MOBILIZATION. ALLOW 7-10 BUSINESS DAYS FOR THE REVIEW. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH A COPY OF THE APPROVED CONSTRUCTION TRAFFIC CONTROL PLAN.

THE MAINTENANCE OF TRAFFIC (MOT) SHALL FOLLOW THE MUTCD AND FDOT STANDARD INDEX 600 (LATEST EDITION) PROCEDURES, INCLUDING ANY FLAGGING.

WASTE MANAGEMENT and DISPOSAL

THIS PROJECT SHALL BE SERVED BY PORTABLE SANITARY FACILITIES DURING CONSTRUCTION.

ALL WASTE MATERIAL SHALL BE COLLECTED AND STORED IN A LIDDED METAL CONTAINER AND IN ACCORDANCE WITH THE TOWN'S SOLID WASTE REGULATIONS. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN, IF NECESSARY.

ALL HAZARDOUS OR TOXIC MATERIAL SHALL BE PROPERLY CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE STATE AND/OR FEDERAL REGULATIONS.

ANY FUEL OR OTHER PETROLEUM PRODUCTS RELEASED SHALL BE ADDRESSED IMMEDIATELY BY THE CONTRACTOR IN ACCORDANCE WITH CHAPTER 62-770 (FAC).

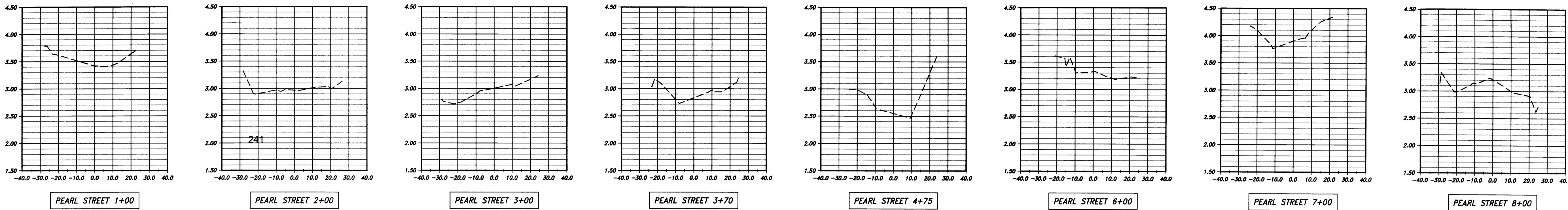
CONSTRUCTION DOCUMENTATION

THE CONTRACTOR SHALL MAINTAIN, ON THE WORK SITE, A CURRENT COPY OF ANY PERMITS NECESSARY FOR CONSTRUCTION AND AN UPDATED SET OF "AS-BUILT" DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL ACCURATELY INDICATE THE LOCATIONS AND DEPTHS OF ALL CONSTRUCTED IMPROVEMENTS AND PROVIDE ONE (1) COPY TO THE PROJECT ENGINEER UPON THE COMPLETION OF CONSTRUCTION.

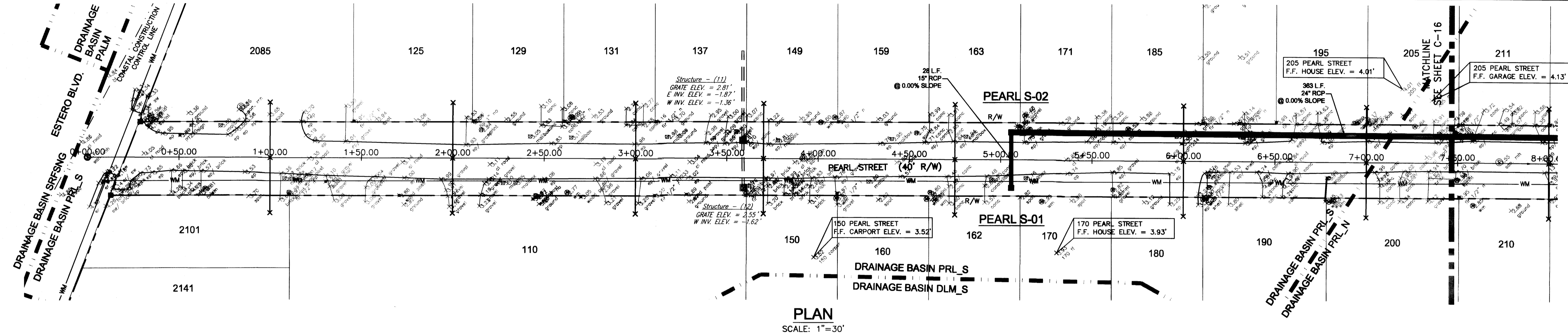
THE CONTRACTOR SHALL OBTAIN PRE-CONSTRUCTION PHOTOGRAPHS AND VIDEO OF THE PROJECT AREA CLEARLY DEPICTING THE CONDITION OF THE CONSTRUCTION AREA(S) AND ADJACENT PROPERTIES. THE VIDEO SHALL DIRECT SPECIFIC ATTENTION TO ITEMS SUCH AS FENCES, LANDSCAPING, DECORATIVE AMENITIES, PAVEMENT CONDITIONS, AND EXISTING UTILITIES. A COPY OF THE PHOTOGRAPHS SHALL BE PROVIDED TO THE TOWN ON A "CD" IN "JPG" FORMAT AND A COPY OF THE VIDEO SHALL BE PROVIDED TO THE TOWN ON A "DVD" IN "MP4" FORMAT. SUBSEQUENT TO THE COMPLETION OF RESTORATION ACTIVITIES, THE CONTRACTOR SHALL OBTAIN POST-CONSTRUCTION PHOTOGRAPHS AND VIDEO TO DOCUMENT THE SATISFACTORY RESTORATION OF THE CONSTRUCTION AREA(S) IN THE SAME FASHION AS ABOVE AND PROVIDED TO THE TOWN.

REVISIONS	NO.	DESCRIPTION	DATE
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 Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#45520			
CLIENT: TOWN OF FORT MYERS BEACH PROJECT: NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT SHEET TITLE: ABBREVIATIONS, LEGENDS AND STANDARD NOTES			
DATE: SEPTEMBER 2009 PROJECT NO: 08-1063 FILE NO: 19-46-24 SCALE: NONE SHEET NUMBER: C-02			

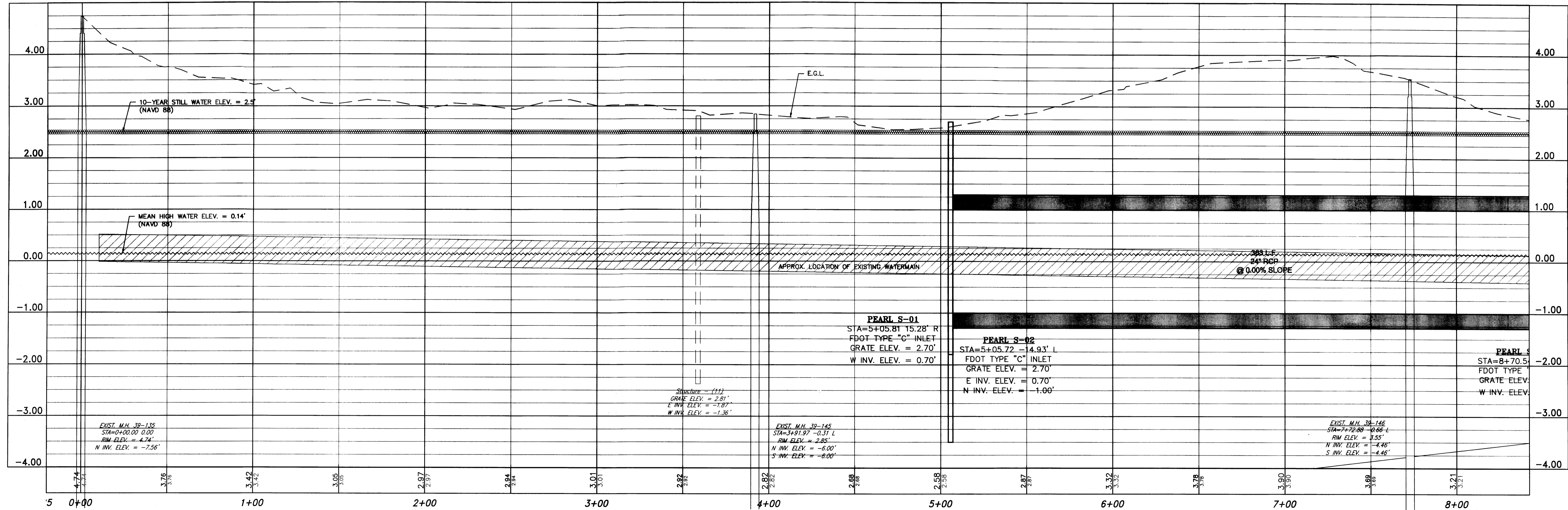
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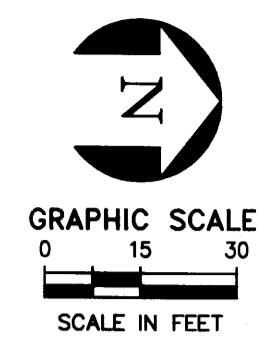
SECTIONS
SCALE: 1"=30' HORIZ.
1"=1' VERT.



PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=1' VERT.



NO.	REVISIONS	DATE

BRADLEY S. VANCE
FLORIDA P.E. #25786

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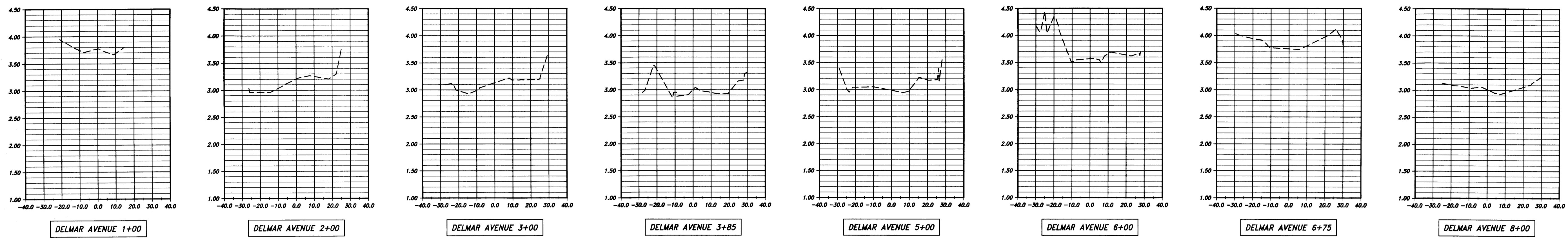
CLIENT:
TOWN OF FORT MYERS BEACH
2629 ESTERO BLVD.
FORT MYERS BEACH, FL 33931
(239) 765-0202

PROJECT:
BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT
FEMA HMGP 1609-48-R
TOWN OF FORT MYERS BEACH

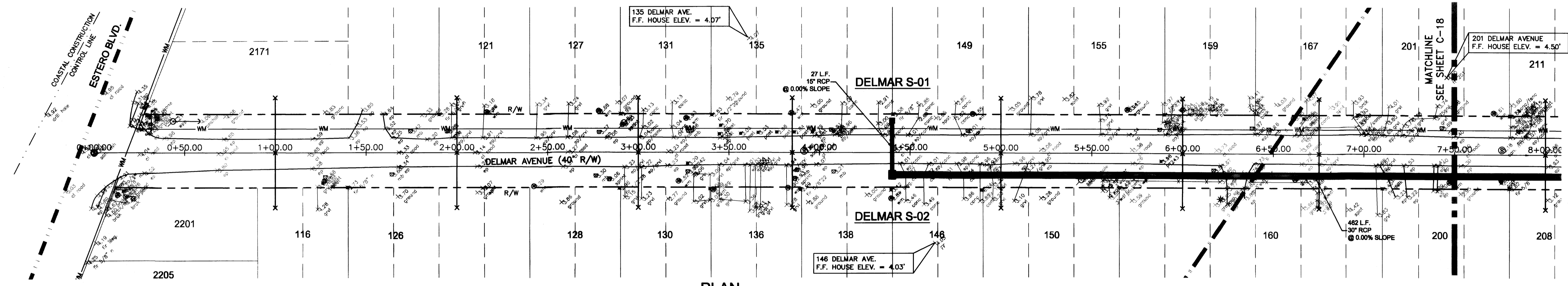
SHEET TITLE:
PLAN, PROFILE AND CROSS SECTIONS PEARL STREET

DATE: SEPTEMBER 2009
PROJECT NO: 08-1063
FILE NO: 19-46-24
SCALE: AS SHOWN
SHEET NUMBER
C-15

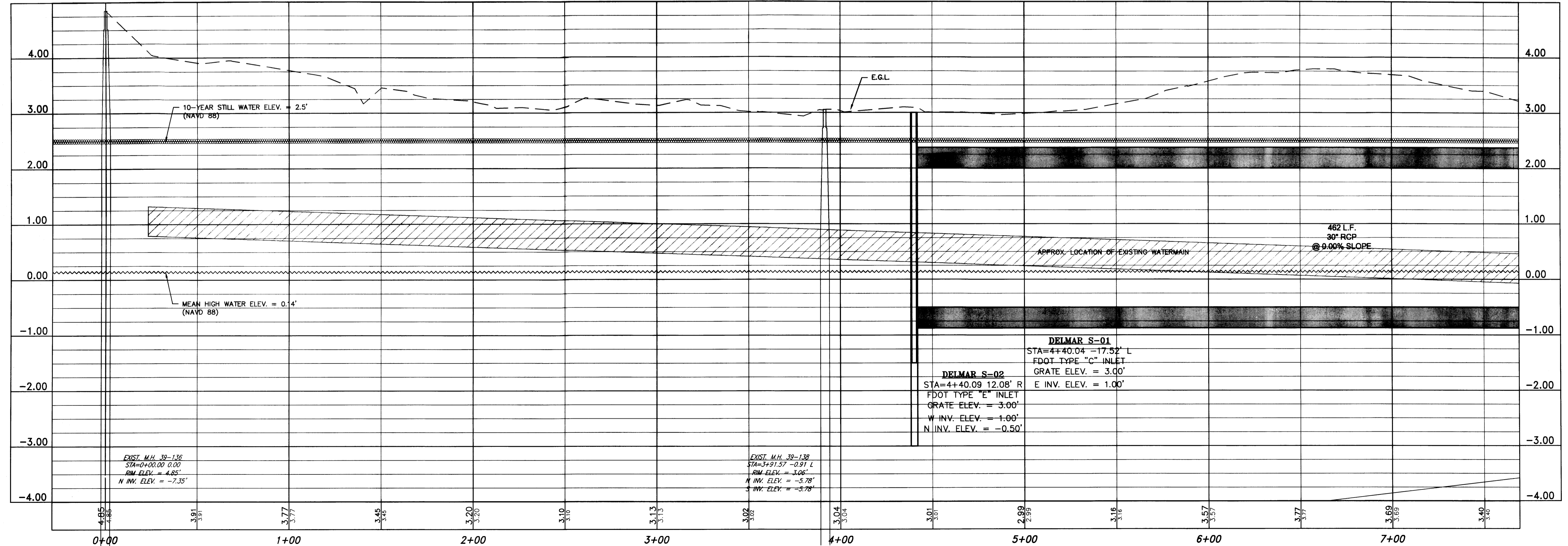
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SECTIONS
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1"=1' VERT.



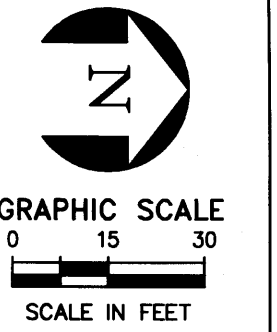
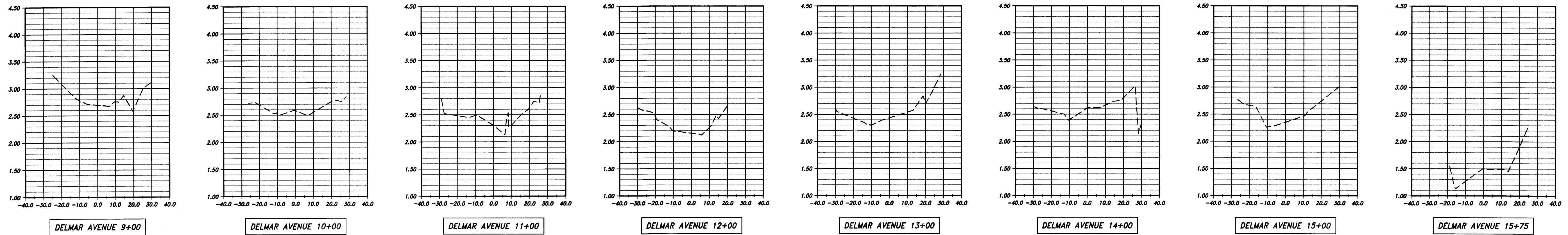
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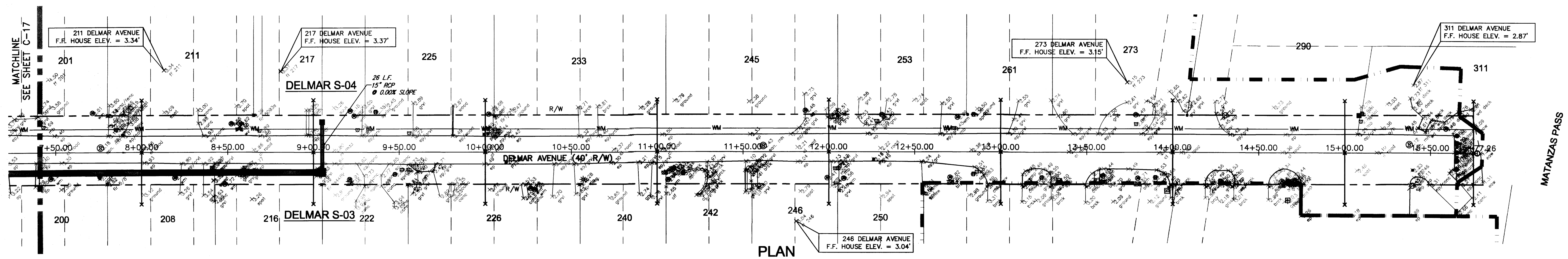
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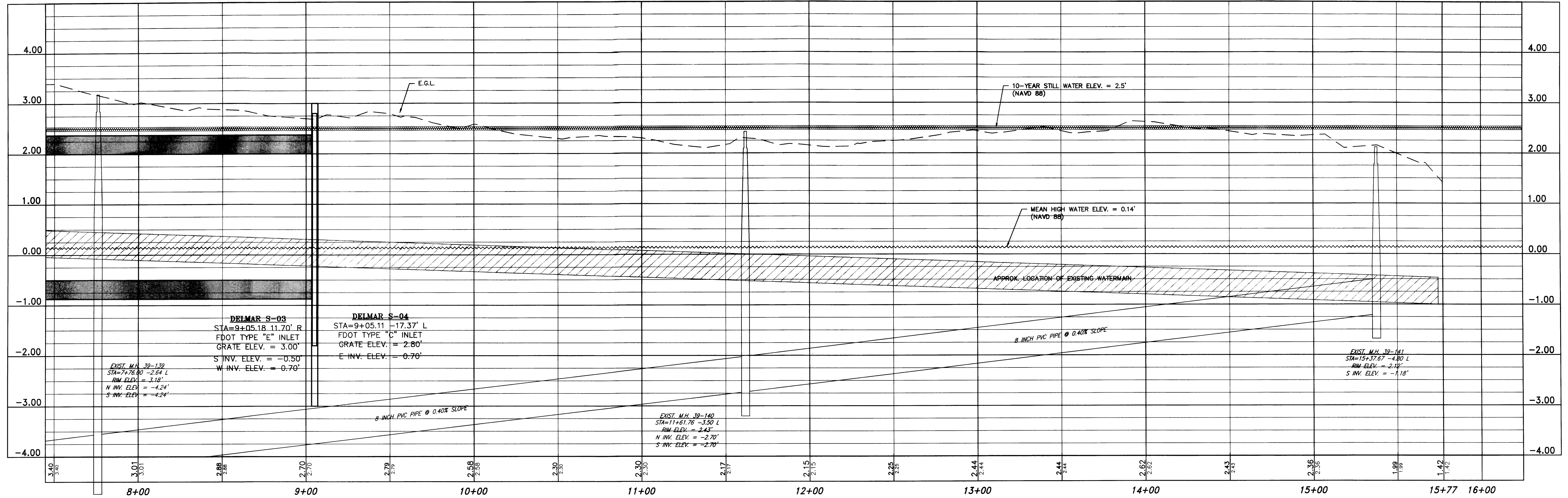
REVISIONS	NO.	DESCRIPTION	DATE
PROJECT: TOWN OF FORT MYERS BEACH CLIENT: NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT SHEET TITLE: PLAN, PROFILE AND CROSS SECTIONS DELMAR AVENUE			
PROJECT NO: 08-1063 FILE NO: 19-46-24 SCALE: AS SHOWN SHEET NUMBER: C-17			
Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#5520			



SECTIONS
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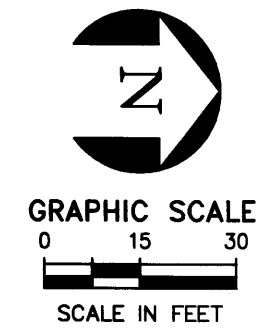
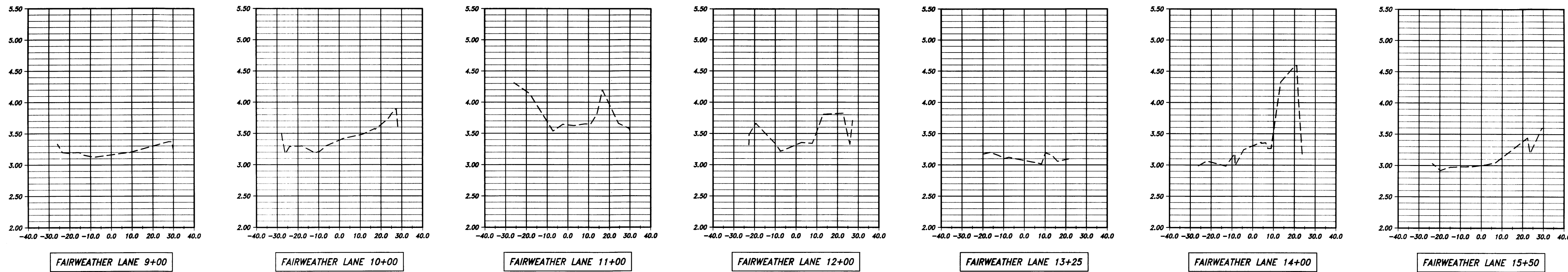
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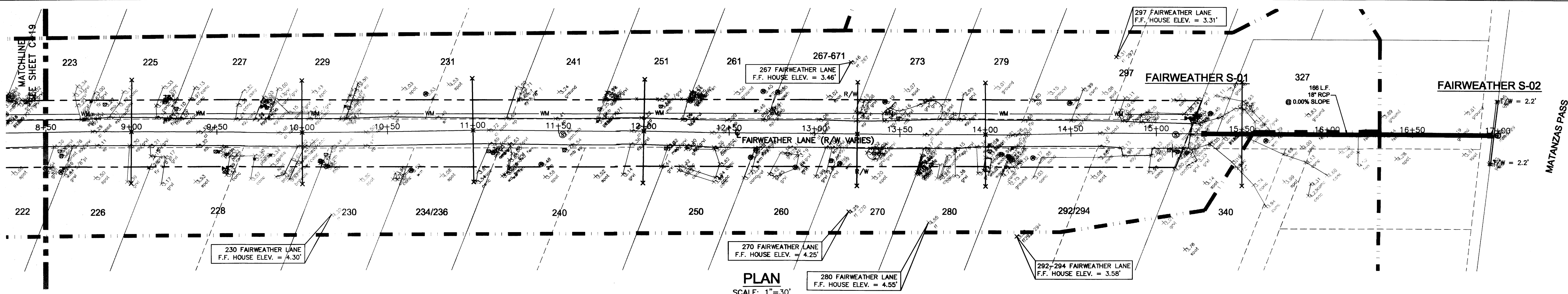
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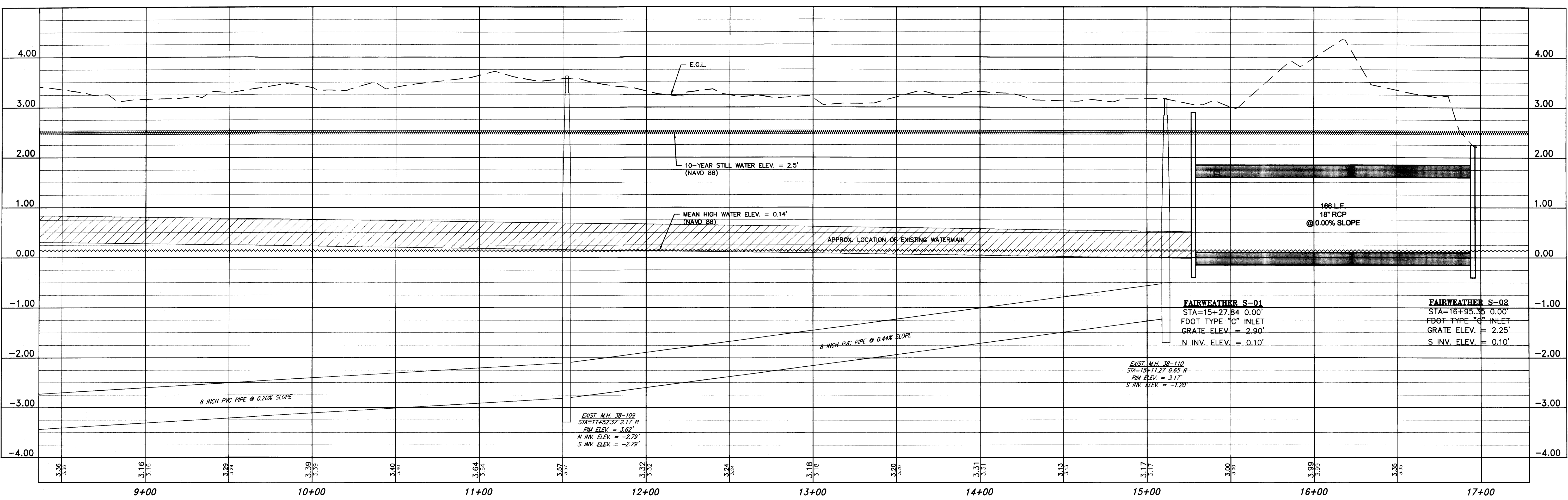
REVISIONS	NO.	DESCRIPTION	DATE
BRADLEY S. VANCE FLORIDA P.E. #3746			
ECT Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#9520			
CLIENT: TOWN OF FORT MYERS BEACH 2523 ESTERO BLVD. FORT MYERS BEACH, FL 33931 (239) 665-0202			
PROJECT: BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT FEMA HMP 1609-48-R TOWN OF FORT MYERS BEACH			
SHEET TITLE: PLAN, PROFILE AND CROSS SECTIONS DELMAR AVENUE			
DATE: SEPTEMBER 2009			
PROJECT NO.: 08-1063			
FILE NO.: 19-46-24			
SCALE: AS SHOWN			
SHEET NUMBER C-18			



SECTIONS
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1"=1' VERT.



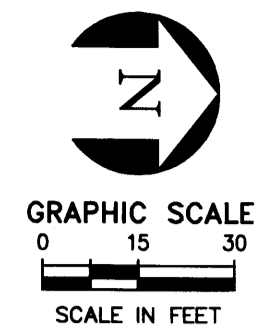
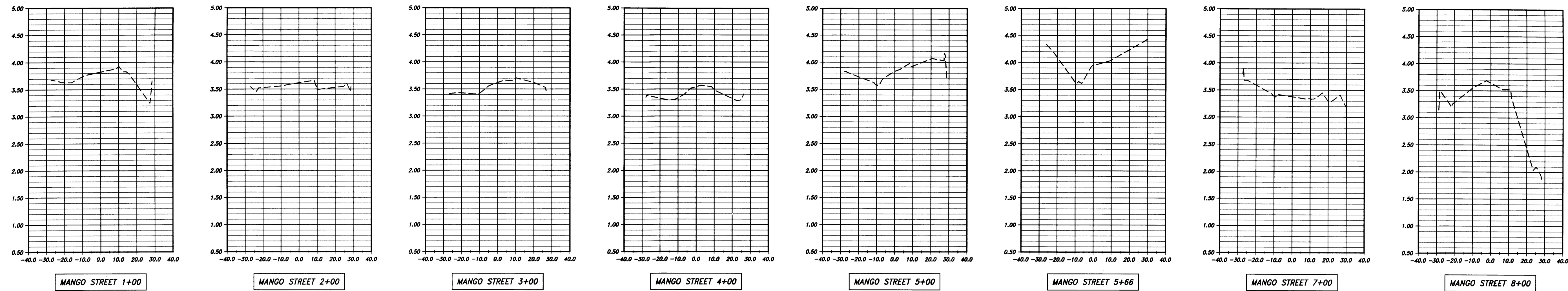
PLAN
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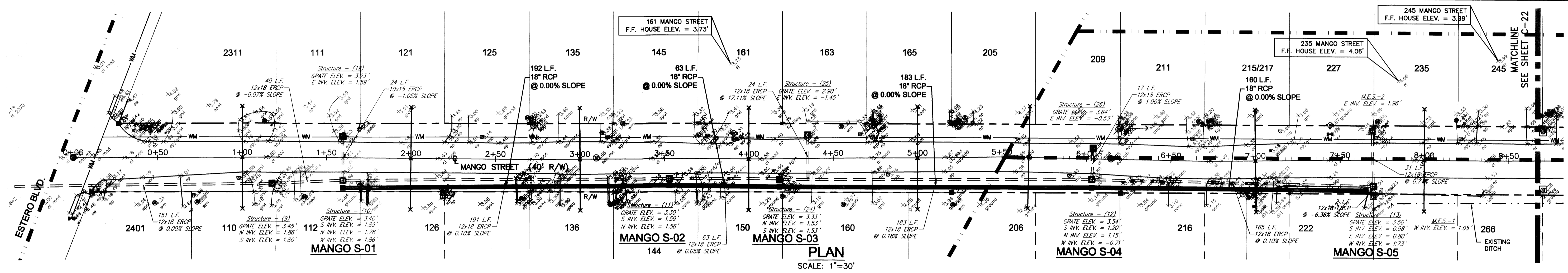
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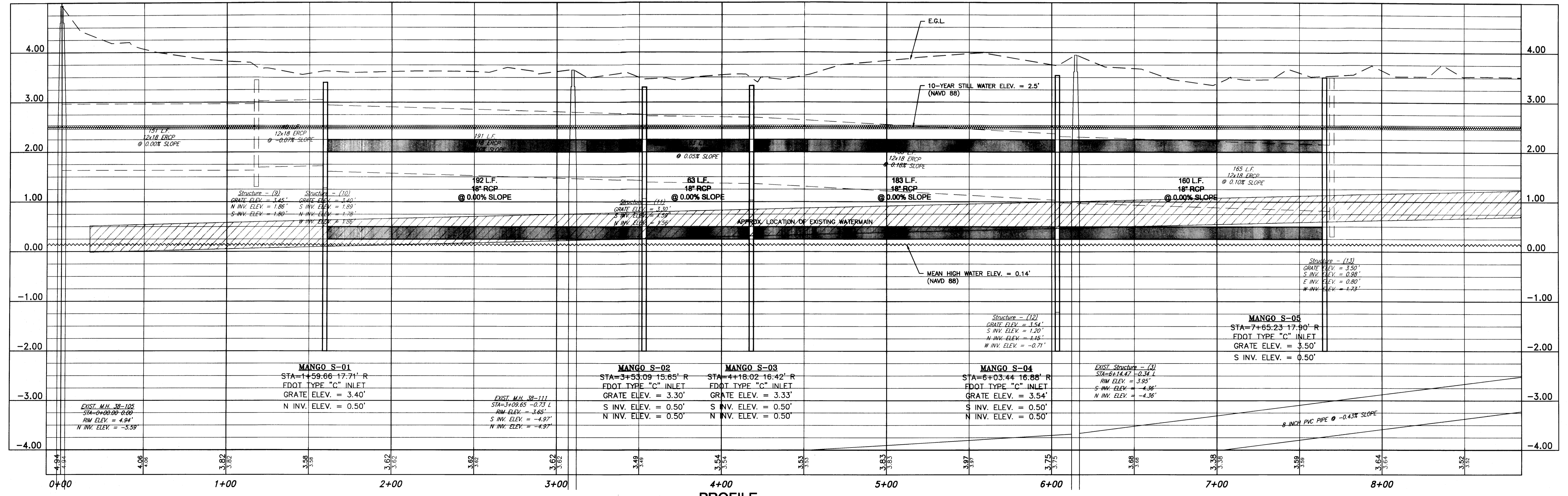
REVISIONS	NO.	DESCRIPTION	DATE
BRADLEY S. WANCE FLORIDA P.E. #4596			
Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#6520			
TOWN OF FORT MYERS BEACH 2623 ESTERO BLVD. FORT MYERS BEACH, FL 33931 (239) 765-0202			
PROJECT: BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT FEMA HMP 1609-48-R TOWN OF FORT MYERS BEACH			
SHEET TITLE: PLAN, PROFILE AND CROSS SECTIONS FAIRWEATHER LANE			
DATE: SEPTEMBER 2009			
PROJECT NO: 08-1063			
FILE NO: 19-46-24			
SCALE: AS SHOWN			
SHEET NUMBER			
C-20			



SECTIONS
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1"=1' VERT.



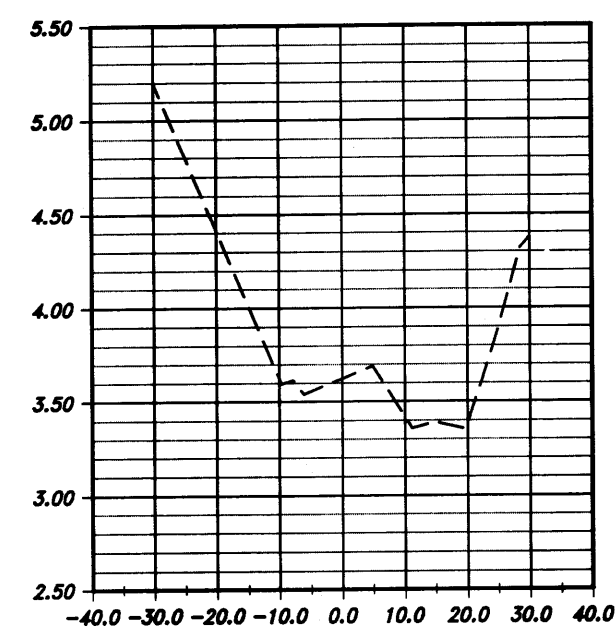
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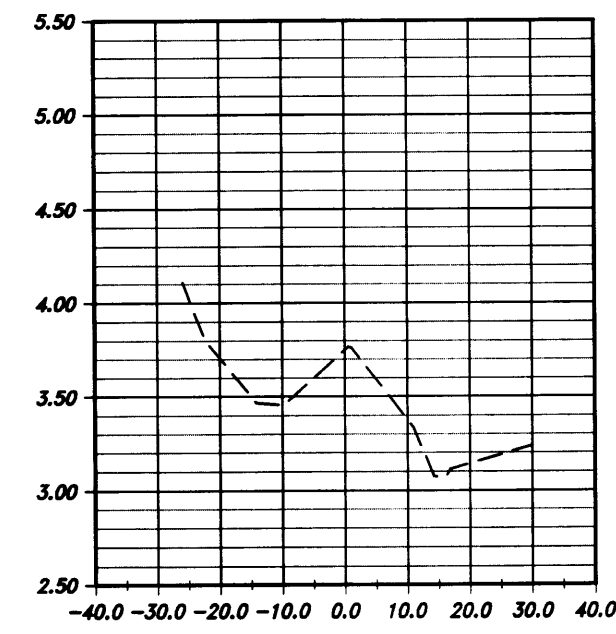
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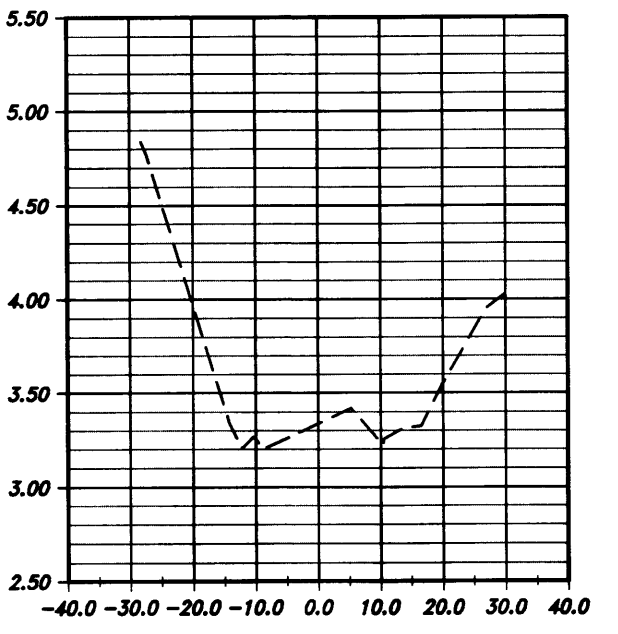
NO.	REVISIONS	DATE
	DESCRIPTION	
BRODLEY & WANCE FLORIDA P.E. #1976		
ECT Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#5520		
TOWN OF FORT MYERS BEACH 2623 ESTERO BLVD. FORT MYERS BEACH, FL 33931 (239) 765-0202		
BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT FEMA HMGP 1609-48-R TOWN OF FORT MYERS BEACH		
PLAN, PROFILE AND CROSS SECTIONS MANGO STREET		
SHEET TITLE:		
DATE: SEPTEMBER 2009		
PROJECT NO: 08-1063		
FILE NO: 19-46-24		
SCALE: AS SHOWN		
SHEET NUMBER C-21		



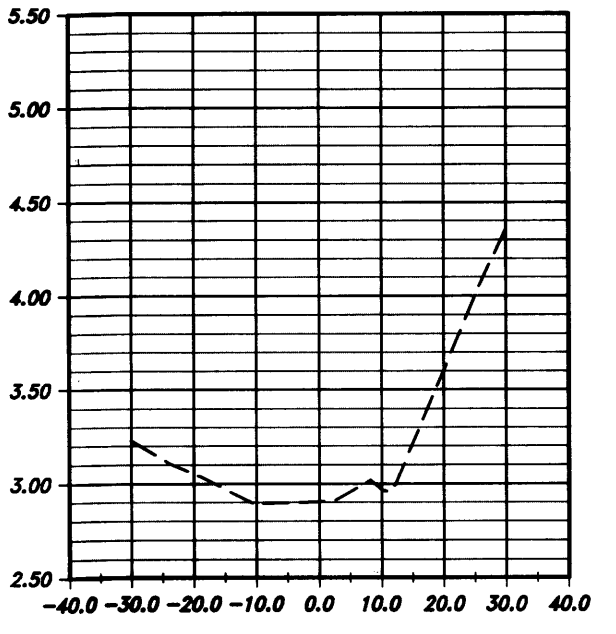
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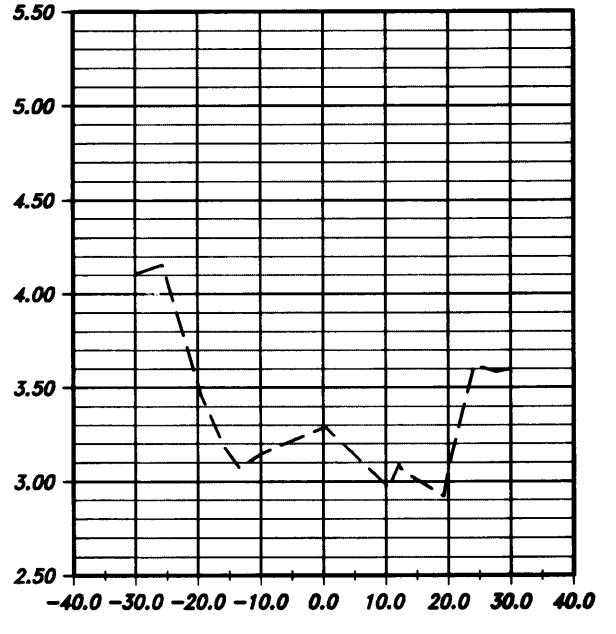
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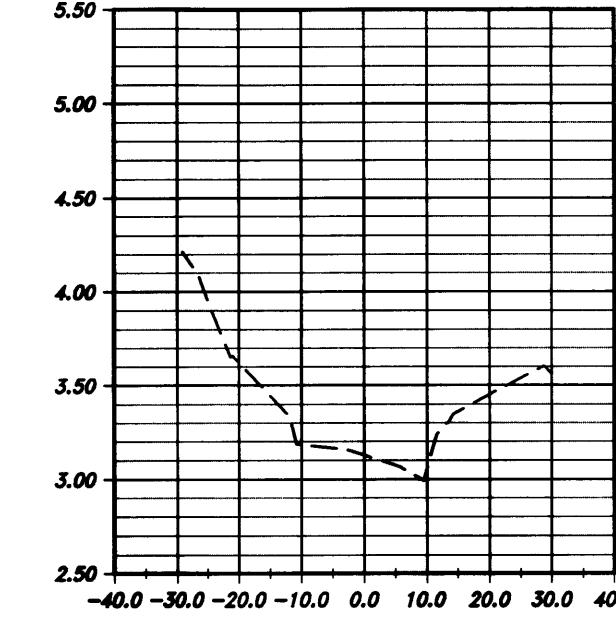
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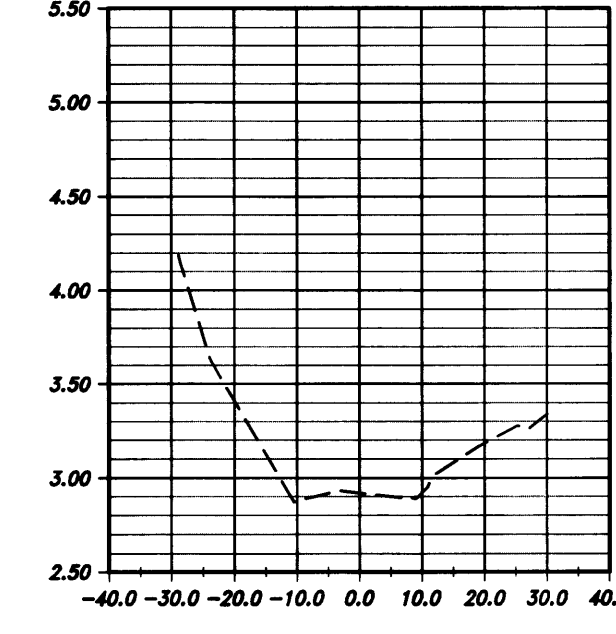
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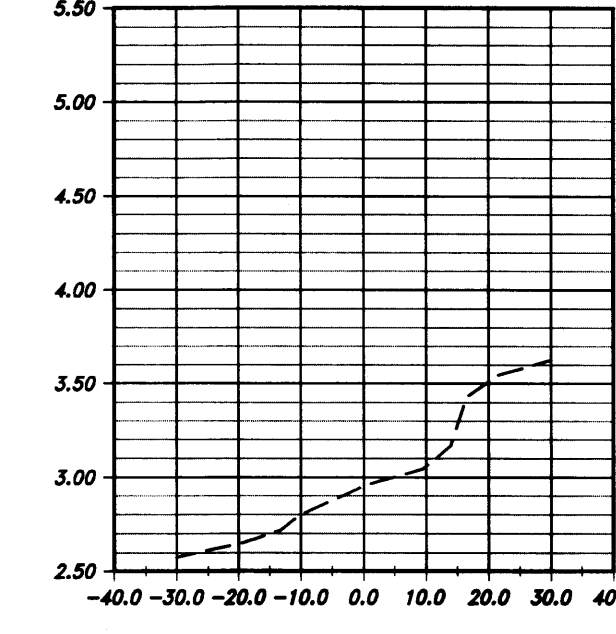
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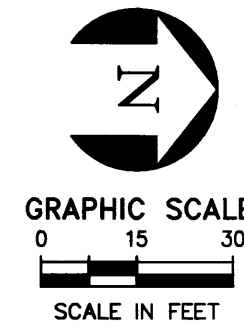
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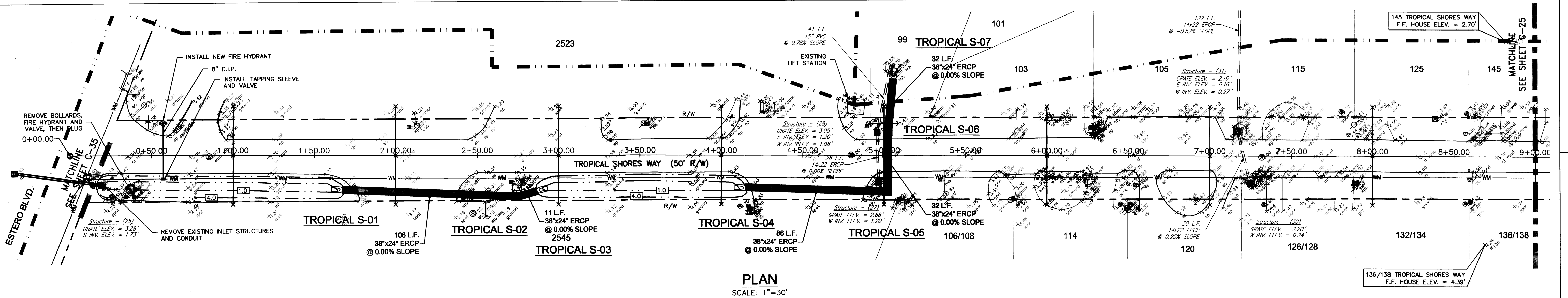
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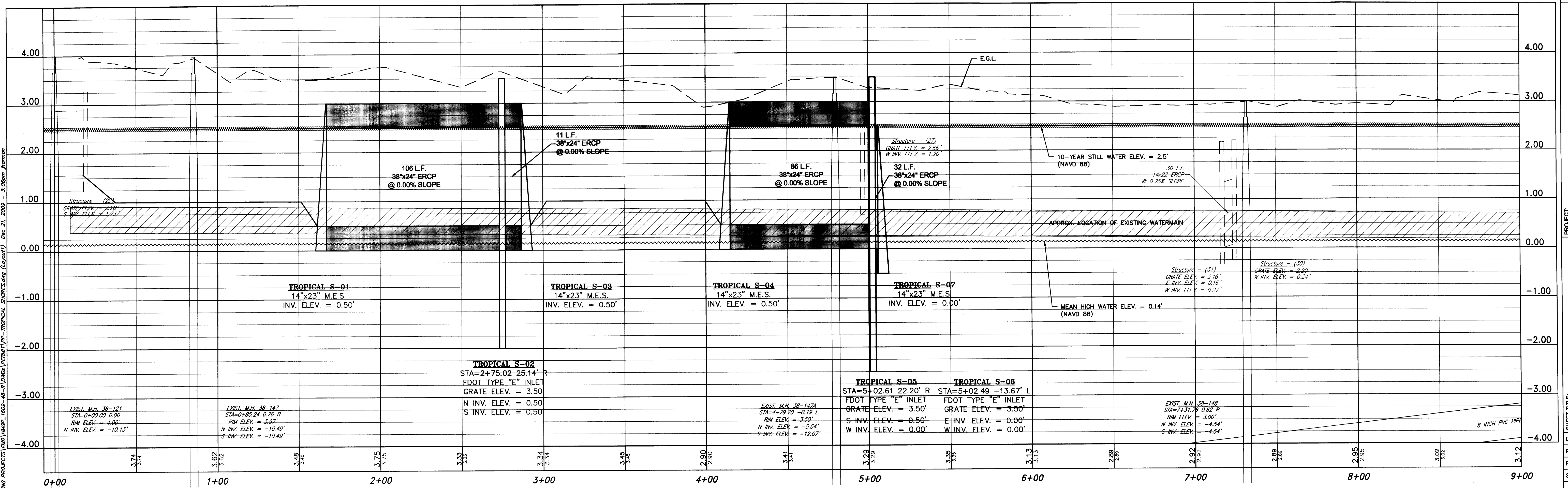
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SECTIONS
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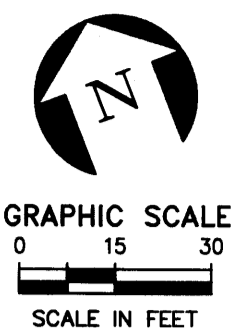


PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=1' VERT.

REVISIONS	NO.	DESCRIPTION	DATE
<p>ECT Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, FL 33916 (239) 277-0003 CA#5520</p>			
<p>CLIENT: TOWN OF FORT MYERS BEACH PROJECT: NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT SHEET TITLE: PLAN, PROFILE AND CROSS SECTIONS TROPICAL SHORES WAY</p>			
<p>DATE: DECEMBER 2009 PROJECT NO: 08-1063 FILE NO: 19-48-24 SCALE: AS SHOWN SHEET NUMBER: C-24</p>			



NO.	DESCRIPTION	DATE

BRADLEY S. VANCE
FLORIDA P.E. #43748

ECT
Environmental Consulting & Technology, Inc.
4100 Center Pointe Drive, Suite 112
Fort Myers, FL 33916
(239) 277-0003
CA#5520

CLIENT:
TOWN OF FORT MYERS BEACH
2523 ESTERO BLVD.
FORT MYERS BEACH, FL 33931
(239) 765-0202

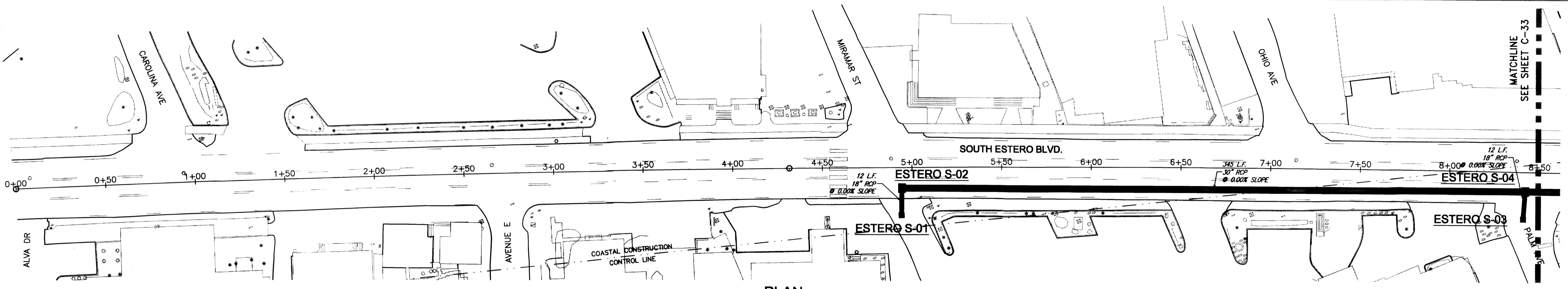
PROJECT:
BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT
FEMA HMGP 1609-48-R
TOWN OF FORT MYERS BEACH

SHEET TITLE:
PLAN, PROFILE AND CROSS SECTIONS SOUTH ESTERO BLVD.

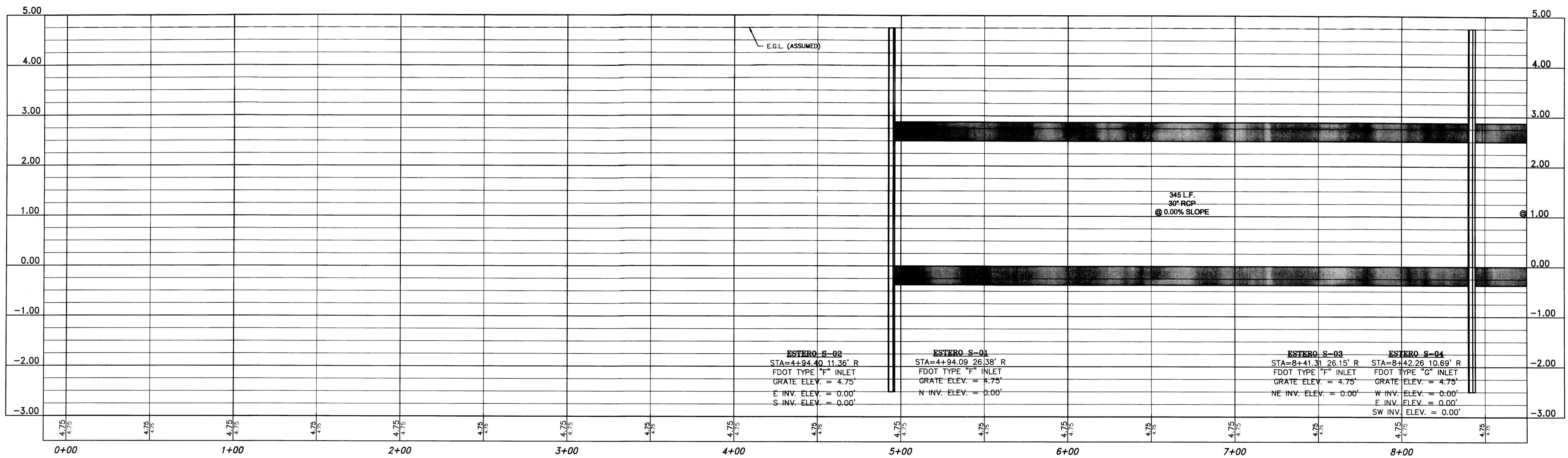
DATE: DECEMBER 2009
PROJECT NO: 08-1063
FILE NO: 19-46-24
SCALE: AS SHOWN

SHEET NUMBER
C-32

SECTIONS
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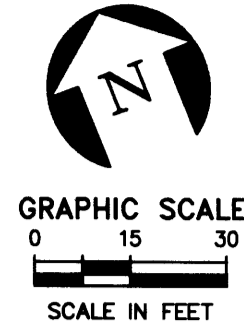
PLAN
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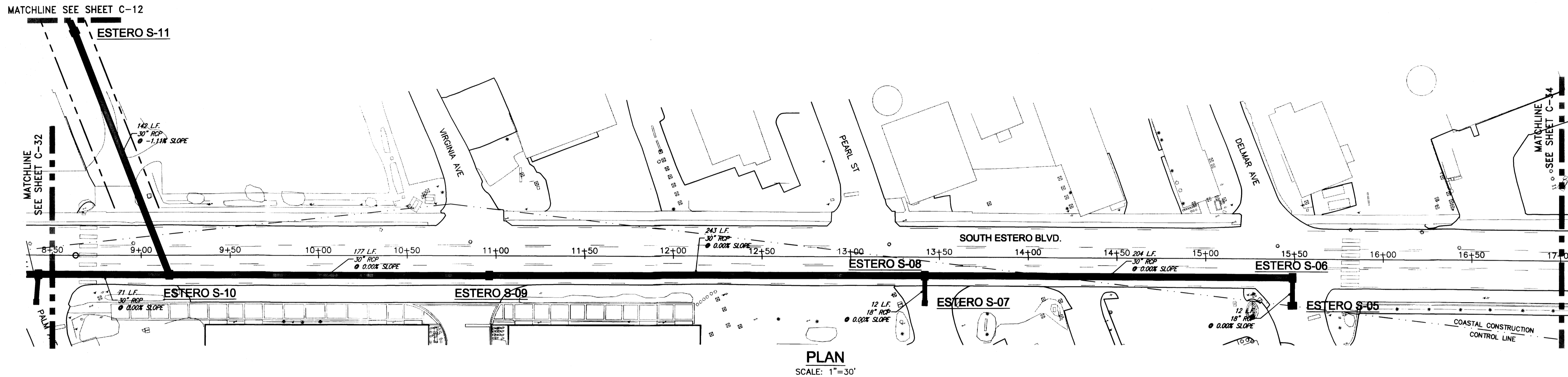
PROFILE
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1"=1' VERT.

THE TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED THROUGH THE TOWN OF FORT MYERS BEACH FROM LEE COUNTY DOT AND IS BEING PRESENTED HEREIN FOR CONCEPTUAL PRESENTATION AND PERMITTING PURPOSES ONLY. THIS INFORMATION WAS PROVIDED FROM I. F. ROCKS & ASSOCIATES, INC. WITH THEIR CONSENT AND IS BASED ON PHOTOGRAMMETRIC METHODS. IN ADDITION, FIELD SURVEYING HAS NOT BEEN CONDUCTED TO VERIFY THE EXISTING ELEVATIONS AND THOSE INDICATED FOR THE GRATE INLET ELEVATIONS AND ROADWAY GRADE ELEVATIONS ARE BASED UPON APPROXIMATE ELEVATIONS FROM THE AVAILABLE 2007 LIDAR DATA.

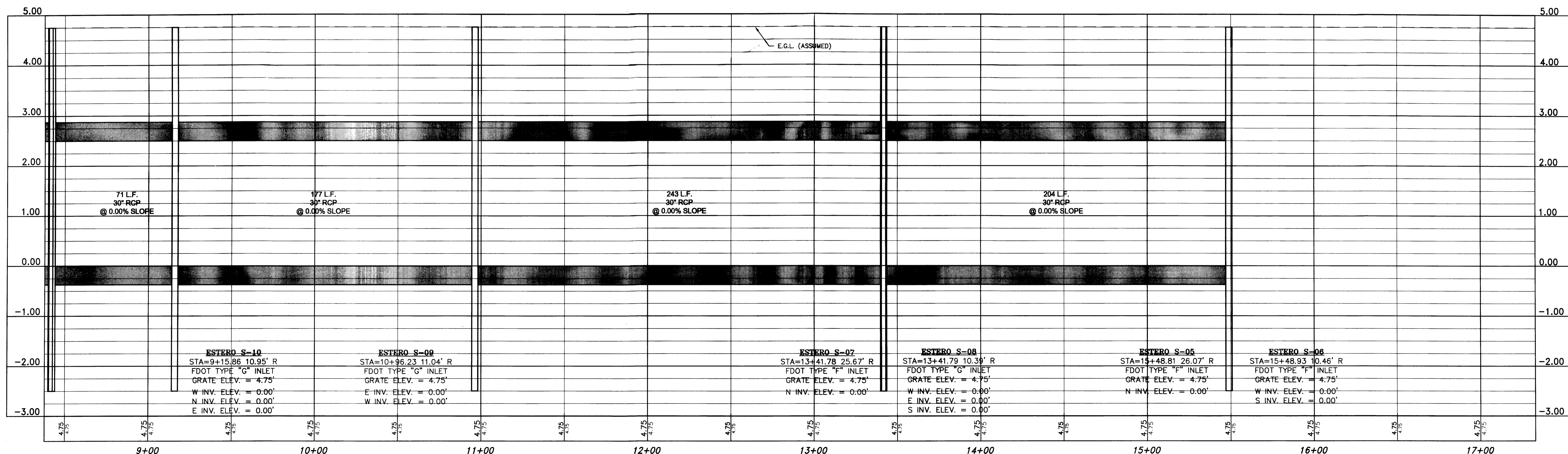
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SECTIONS
SCALE: 1"=30' HORIZ.
1"=1' VERT.



PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=1' VERT.

THE TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED THROUGH THE TOWN OF FORT MYERS BEACH FROM LEE COUNTY DOT AND IS BEING PRESENTED HEREIN FOR CONCEPTUAL PRESENTATION AND PERMITTING PURPOSES ONLY. THIS INFORMATION WAS PROVIDED FROM I. F. ROOKS & ASSOCIATES, INC. WITH THEIR CONSENT AND IS BASED ON PHOTOGRAMMETRIC METHODS. IN ADDITION, FIELD SURVEYING HAS NOT BEEN CONDUCTED TO VERIFY THE EXISTING ELEVATIONS AND THOSE INDICATED FOR THE GRATE INLET ELEVATIONS AND ROADWAY GRADE ELEVATIONS ARE BASED UPON APPROXIMATE ELEVATIONS FROM THE AVAILABLE 2007 LIDAR DATA.

NO.	REVISIONS	DESCRIPTION	DATE

BRADLEY S. VANCE
FLORIDA P.E. #43746

ECT
Environmental Consulting & Technology, Inc.
4100 Center Pointe Drive, Suite 172
Fort Myers, FL 33916
(239) 277-0003
CA#5520

CLIENT:
TOWN OF FORT MYERS BEACH
2523 ESTERO BLVD.
FORT MYERS BEACH, FL 33931
(239) 765-0202

PROJECT:
NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT
FEMA HMGP 1609-48-R
TOWN OF FORT MYERS BEACH

SHEET TITLE:
PLAN, PROFILE AND CROSS SECTIONS SOUTH ESTERO BLVD.

DATE: DECEMBER 2009

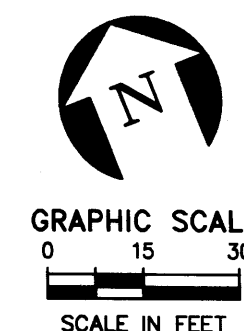
PROJECT NO: 08-1063

FILE NO: 19-46-24

SCALE: AS SHOWN

SHEET NUMBER
C-33

S:\ENGINEERING\PROJECTS\1609-48-R\1609-48-R\DWG\ESTERO.DWG (C-33 Layout 2) Dec 21, 2009 - 3:16pm Norman



NO.	REVISIONS	DATE

BRADLEY S. VANCE
FLORIDA P.E. #15216

ECT
Environmental Consulting & Technology, Inc.
4100 Center Pointe Drive, Suite 112
Fort Myers, FL 33916
(239) 277-0003
CA#5520

CLIENT:
TOWN OF FORT MYERS BEACH
2523 ESTERO BLVD.
FORT MYERS BEACH, FL 33931
(239) 765-0202

PROJECT:
BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT
FEMA HMGP 1609-48-R
TOWN OF FORT MYERS BEACH

SHEET TITLE:
PLAN, PROFILE AND CROSS SECTIONS SOUTH ESTERO BLVD.

DATE: DECEMBER 2009

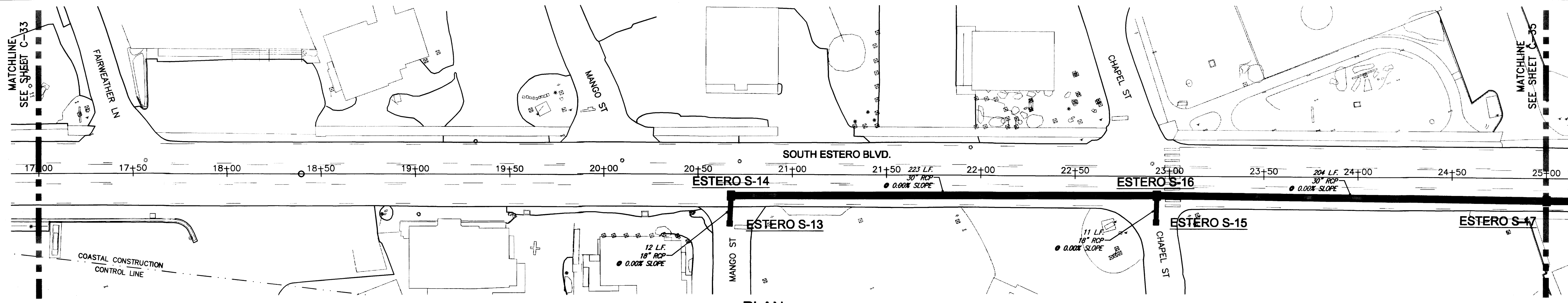
PROJECT NO: 08-1063

FILE NO: 19-46-24

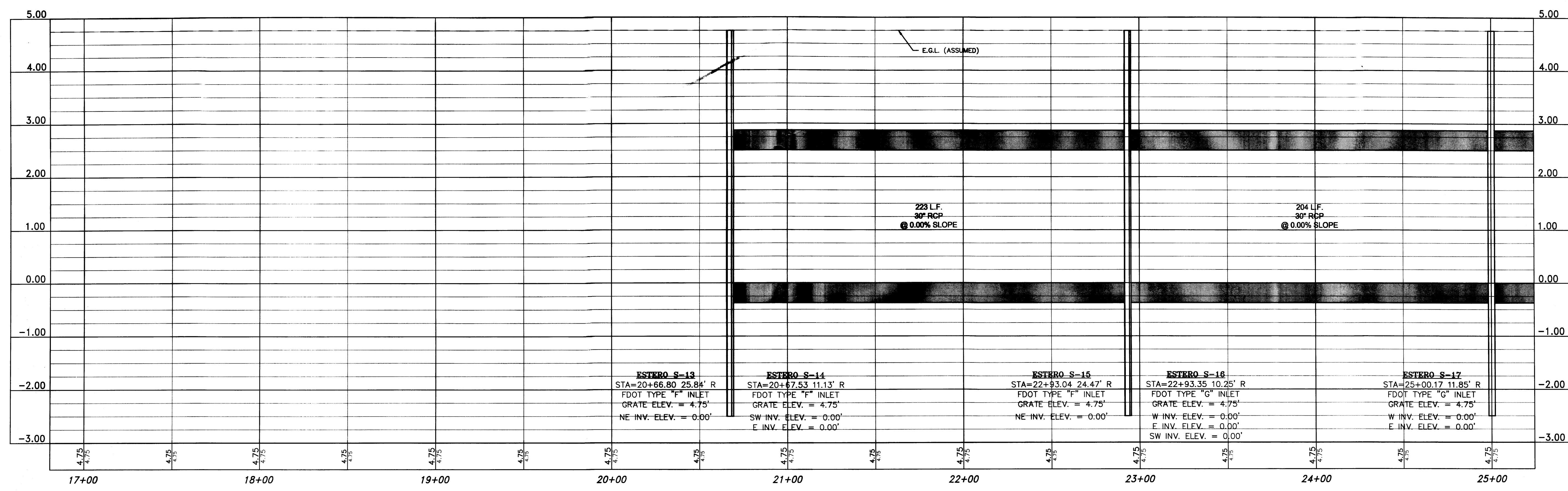
SCALE: AS SHOWN

SHEET NUMBER
C-34

SECTIONS
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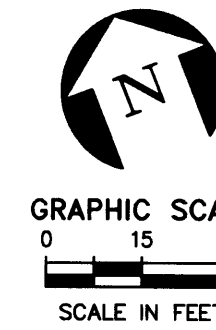
PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=1' VERT.

THE TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED THROUGH THE TOWN OF FORT MYERS BEACH FROM LEE COUNTY DOT AND IS BEING PRESENTED HEREIN FOR CONCEPTUAL PRESENTATION AND PERMITTING PURPOSES ONLY. THIS INFORMATION WAS PROVIDED FROM I. F. ROOKS & ASSOCIATES, INC. WITH THEIR CONSENT AND IS BASED ON PHOTOGRAMMETRIC METHODS. IN ADDITION, FIELD SURVEYING HAS NOT BEEN CONDUCTED TO VERIFY THE EXISTING ELEVATIONS AND THOSE INDICATED FOR THE GRATE INLET ELEVATIONS AND ROADWAY GRADE ELEVATIONS ARE BASED UPON APPROXIMATE ELEVATIONS FROM THE AVAILABLE 2007 LIDAR DATA.

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NO.	REVISIONS	DATE

BRADLEY S. VANCE
FLORIDA P.E. #52186

ECT
Environmental Consulting & Technology, Inc.
4100 Center Pointe Drive, Suite 112
Fort Myers, FL 33916
(239) 277-0003
CA#5520

CLIENT:
TOWN OF FORT MYERS BEACH
2523 ESTERO BLVD., 33931
FORT MYERS BEACH, FL 33931
(239) 765-0202

PROJECT:
BASIN BASED NEIGHBORHOOD FLOOD MITIGATION AND STORMWATER QUALITY IMPROVEMENT PROJECT
FEMA HMGP 1609-48-R
TOWN OF FORT MYERS BEACH

SHEET TITLE:
PLAN, PROFILE AND CROSS SECTIONS SOUTH ESTERO BLVD.

DATE: DECEMBER 2009

PROJECT NO: 08-1063

FILE NO: 19-46-24

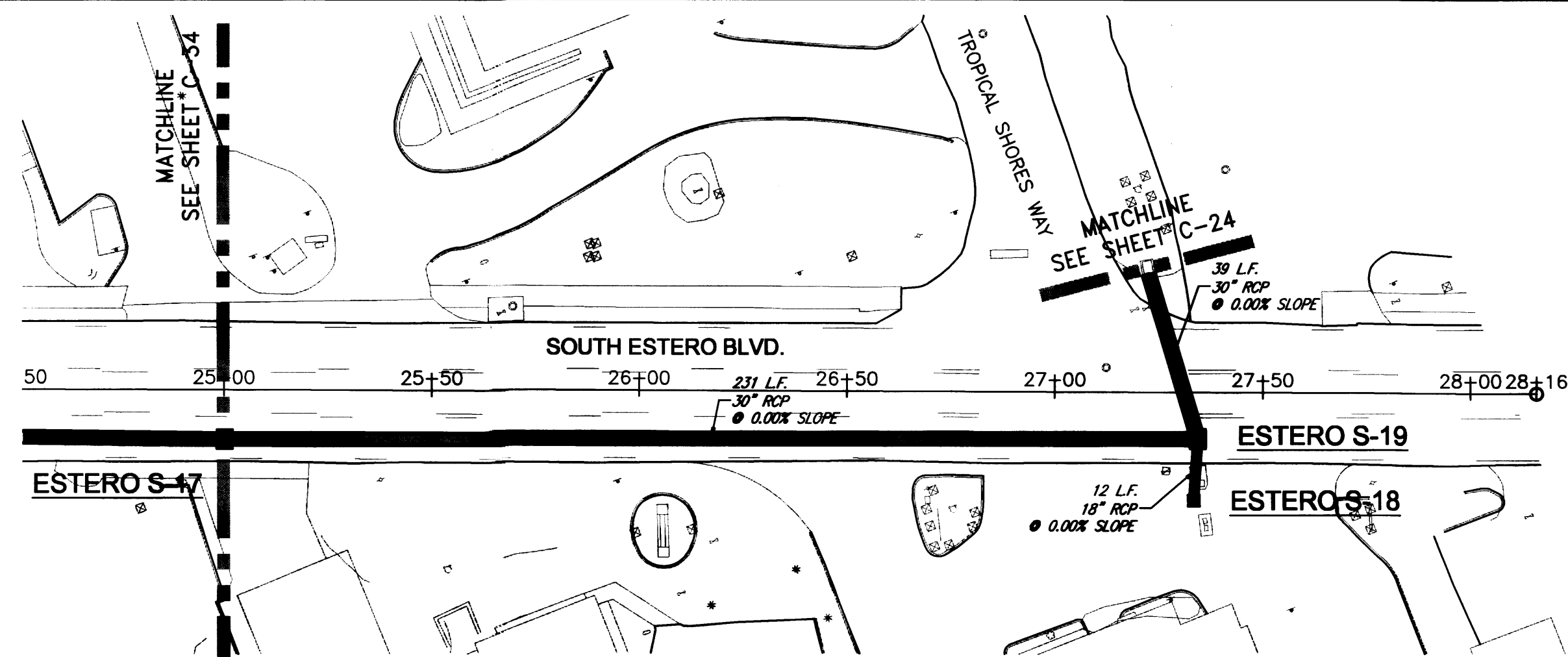
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SHEET NUMBER

C-35

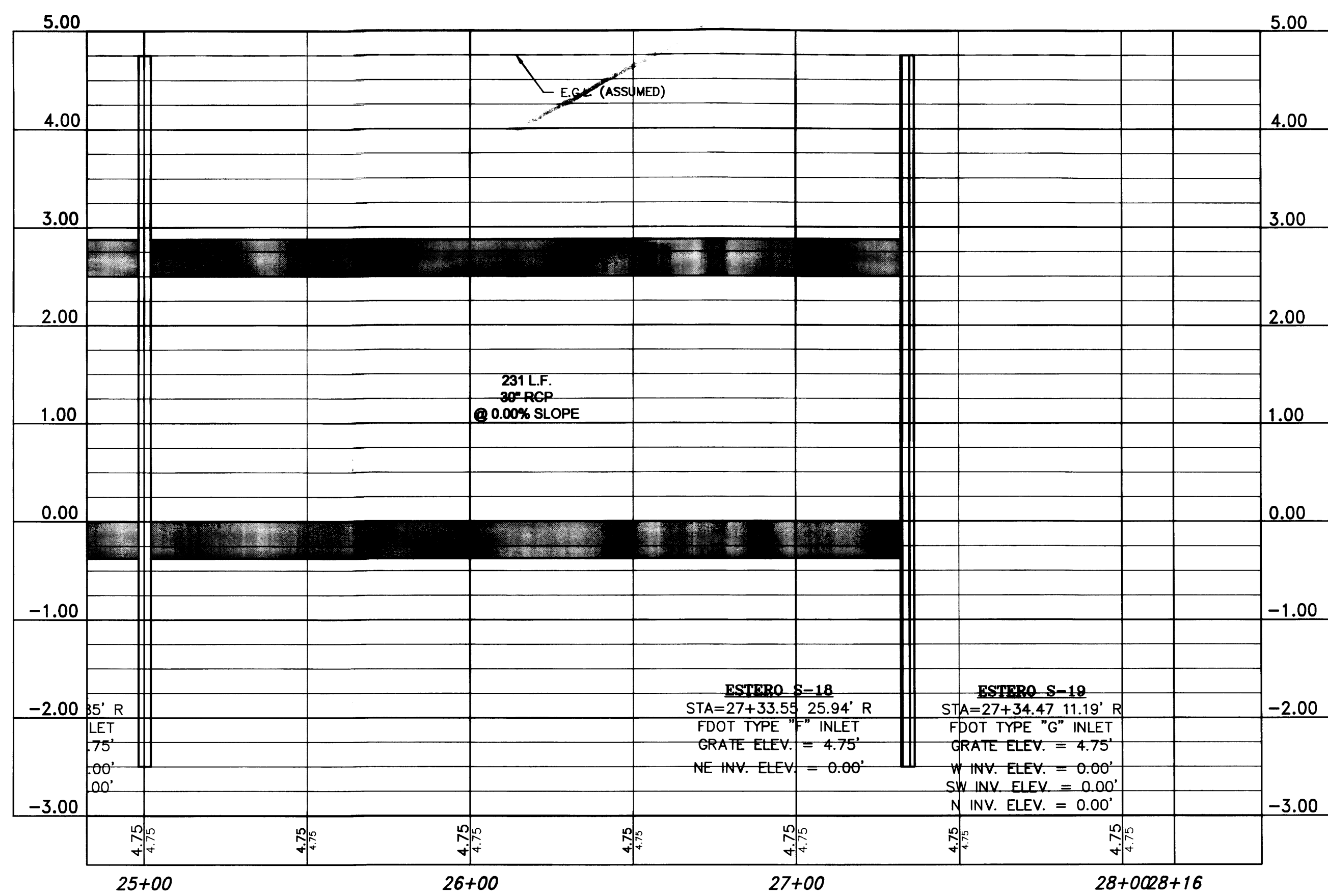
SECTIONS

SCALE: 1"=30' HORIZ.
1"=1' VERT.



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=1' VERT.

THE TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED THROUGH THE TOWN OF FORT MYERS BEACH FROM LEE COUNTY DOT AND IS BEING PRESENTED HEREIN FOR CONCEPTUAL PRESENTATION AND PERMITTING PURPOSES ONLY. THIS INFORMATION WAS PROVIDED FROM I. F. ROOKS & ASSOCIATES, INC. WITH THEIR CONSENT AND IS BASED ON PHOTOGRAMMETRIC METHODS. IN ADDITION, FIELD SURVEYING HAS NOT BEEN CONDUCTED TO VERIFY THE EXISTING ELEVATIONS AND THOSE INDICATED FOR THE GRATE INLET ELEVATIONS AND ROADWAY GRADE ELEVATIONS ARE BASED UPON APPROXIMATE ELEVATIONS FROM THE AVAILABLE 2007 LIDAR DATA.

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