

ORTIZ AVENUE WIDENING - LANDSCAPE ANALYSIS

SR 884 TO SR 82
LEE COUNTY, FLORIDA

PROJECT BEGIN POINT: STA: 17+50.00
PROJECT END POINT: STA: 95+00.00

PROJECT ROADWAY DESIGN CRITERIA

- ROADWAY DESIGN SPEED: 45 MPH
- DESIGN VEHICLE: PASSENGER VEHICLE
- INTERSECTION DESIGN AND CLEAR SIGHT LINES DEPICTED HEREIN ARE ACCORDING TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) *FLORIDA GREEN BOOK*, 2018: STANDARD INDEX 546, FOUR LANE DIVIDED HWY.
- MINIMUM RECOVERABLE OFFSETS AND CLEAR ZONES, PER AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (A.A.S.H.T.O.), 2018:
 - MINIMUM RESTRICTED HORIZONTAL CLEAR ZONE = 6'
 - MINIMUM NON-RESTRICTED CLEAR ZONE, MEDIANS = 20'
 - MINIMUM NON-RESTRICTED CLEAR ZONE, SHOULDERS = 24'
- REFER TO SECTION 32 OF SPECIFICATIONS FOR LANDSCAPE AND IRRIGATION GOVERNING DOCUMENT.

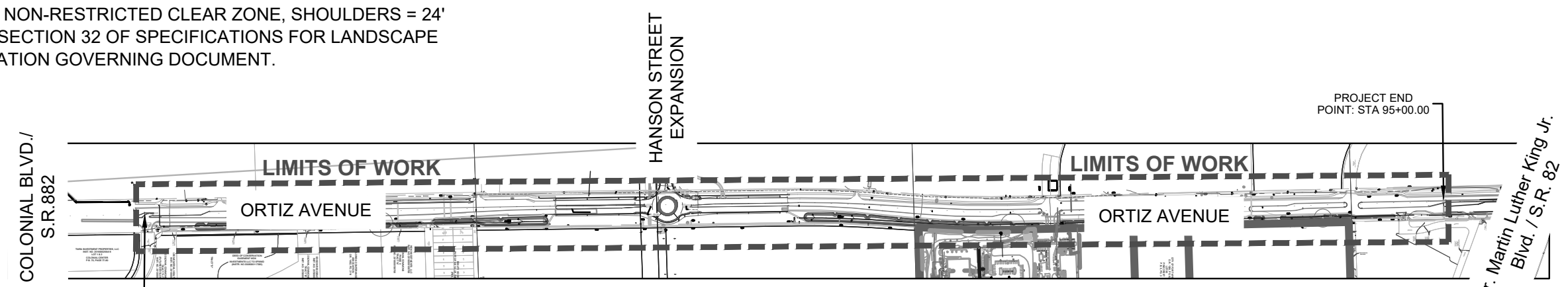
Prepared for:
KISINGER CAMPO AND ASSOCIATES

By:
Landscape Architect of Record
Gregory J. Diserio, R.L.A.
2221 McGregor Blvd.,
Fort Myers, FL 33901

INDEX OF DRAWINGS:

LANDSCAPE AND IRRIGATION PLANS

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LOCATION MAP
FORT MYERS, FLORIDA

PLAN STATUS

LANDSCAPE PLANS **100%**
IRRIGATION PLANS: **100%**
MAINTENANCE OF TRAFFIC PLANS: **By Others**
SUBMITTED : JUNE 29, 2022

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811 Know what's BELOW. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENANCE FDOT ENGINEER'S OFFICE TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS AS REQUIRED FOR WORKING WITHIN THE DEPARTMENT'S RIGHT-OF-WAY. FDOT FORT MYERS 239-656-7800.

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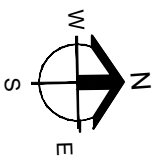
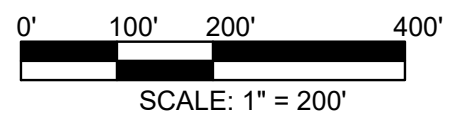
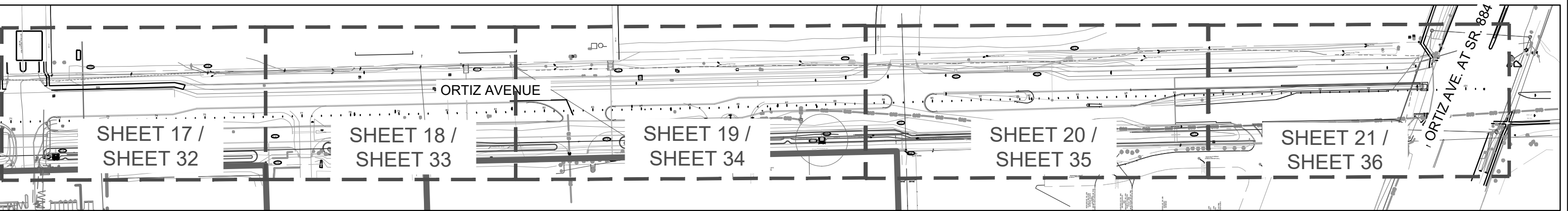
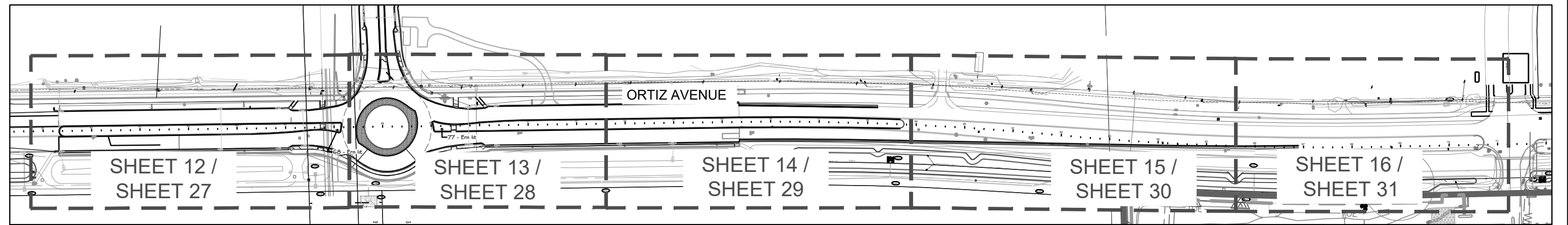
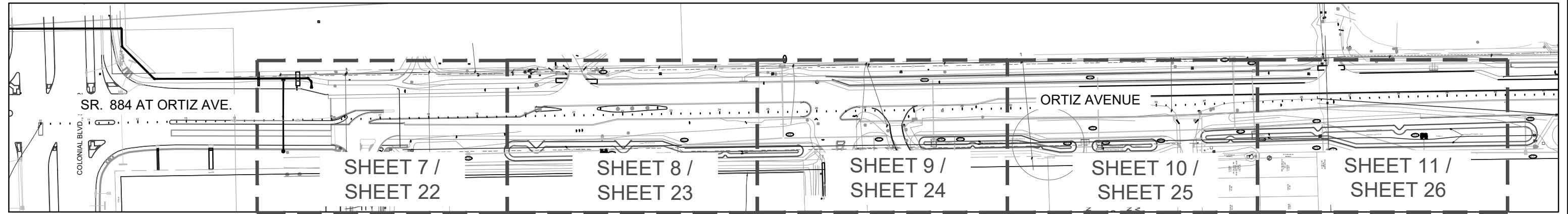
LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

COVER SHEET

SHEET NO.
COVER

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DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING






KEY SHEET

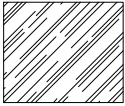
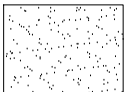
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PAY ITEM #:

CORE LEVEL PLANT SCHEDULE

PAY ITEM #	TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
580-001						
580-001-1		PTY ELE	37	Ptychosperma elegans Non-Native	Alexander Palm	10`-12` CT
580-001-2		ROY ELA	14	Roystonea elata Native	Florida Royal Palm	12`-16` CT
580-001-3		TAB HET	12	Tabebuia heterophylla Non-Native	Pink Tabebuia	2" Cal., 10` Ht., 4` Sprd.; Standard
580-001-4		THR RAD	62	Thrinax radiata Native	Florida Thatch Palm	6` - 8` Ht.
580-001-5		VEI LAA	6	Veitchia montgomeryana Non-Native	Montgomery Palm	25 gal.

	GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
580-001-6		Ern lit	145	Ernodea littoralis Native	Golden Creeper	1 gal.
580-001-7		Pas pen	49,065	Paspalum notatum 'Pensacola' Non-Native	Pensacola Bahia Grass	SOD

MISC.

- 580-001-8
- MULCH: PROVIDE MINIMUM MULCH RING AROUND ALL TREES PER LANDSCAPE NOTES AND DETAILS.
- SOD: SITE SHALL BE SODDED WITH BAHIA SOLID SOD OR OWNER REQUIRED SOD SPECIES. VERIFY PRIOR TO BIDDING. SOD REPAIR IN LCDOT R.O.W. SHALL BE BAHIA.
- ROAD SIGNAGE: ALL TREE PLANTING LOCATIONS SHALL BE COORDINATED WITH ROAD SIGN INSTALLATIONS SO AS TO AVOID VISIBILITY CONFLICTS.

NOTE: 75% NATIVE PLANTING DEVIATION IS REQUESTED DUE TO FRANGIBLE TREE PLANTING REQUIREMENTS IN MEDIANS WITHOUT CURBING, UNTIL FUTURE LANES ARE ADDED.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE TABULATION OF
QUANTITIES

SHEET
NO.

3

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GRADES AND STANDARDS

THIS CONTRACT IS SUBJECT TO THE RULES AND REGULATIONS OF GRADES AND STANDARDS FOR NURSERY PLANTS AS PUBLISHED BY THE DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

ALL PLANTS NOT LISTED IN THE GRADES AND STANDARDS FOR NURSERY PLANTS, PUBLISHED BY THE DIVISION OF PLANT INDUSTRY, SHALL CONFORM TO A FLORIDA NO. 1 AS TO:

1. HEALTH AND VITALITY,
2. CONDITION OF FOLIAGE,
3. ROOT SYSTEM,
4. FREEDOM FROM PEST OR MECHANICAL DAMAGE,
5. HEAVILY BRANCHED AND DENSELY FOLIATED ACCORDING TO THE ACCEPTED NORMAL SHAPE OF THE SPECIES OR SPORT.

AT THE CONCLUSION OF THIS PLANTING, IF THE LANDSCAPE ARCHITECT OR OWNER HAS REASON TO BELIEVE THAT THE PLANTS ARE NOT OF THE SPECIFIED GRADE, HE WILL REQUEST A REGRADING INSPECTION BY THE DIVISION OF PLANT INDUSTRY, AND SUCH EVIDENCE

WILL BE THE BASIS FOR REQUESTING REPLACEMENT OF PLANTS AND FOR LEGAL OR OTHER ACTION TAKEN BY THE DIVISION OF PLANT INDUSTRY ACCORDING TO LAW, SHOULD THIS BECOME NECESSARY.

SITE MAINTENANCE PROGRAM

1. FROM THE NOTICE-TO-PROCEED DATE, A COMPREHENSIVE MAINTENANCE PROGRAM FOR ALL PLANT MATERIALS, IRRIGATION COMPONENTS AND ALL OTHER ITEMS INSTALLED OR TO BE MAINTAINED BY THE CONTRACTOR, SHALL COMMENCE AND CONTINUE DURING THE DURATION OF THE INSTALLATION AND MAINTENANCE PHASES OF THE CONTRACT AND UNTIL FINAL COMPLETION AND ACCEPTANCE BY LEE COUNTY. PLEASE REFER TO THE LANDSCAPE WORK AND SITE MAINTENANCE SECTIONS OF THE SPECIFICATIONS FOR FURTHER INFORMATION.
2. SITE MAINTENANCE TASKS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING TASKS:
 - A. MAINTAIN ALL NEWLY PLANTED MATERIALS BY WATERING, PRUNING, CULTIVATING, FERTILIZING AND WEEDING FOR HEALTHY GROWTH AND WEED FREE PLANTING AND MULCHED AREAS
 - B. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKING MATERIALS, RESET TREES OR PALMS TO PROPER GRADE ELEVATION AND VERTICAL POSITION
 - C. LITTER PICKUP AND REMOVAL
 - D. TREAT INSECT AND DISEASE ISSUES IN ORDER TO PROMOTE HEALTHY PLANT GROWTH AND BY UTILIZING INTEGRATED PEST MANAGEMENT, BEST MANAGEMENT PRACTICES AS APPROVED BY THE OWNER'S REPRESENTATIVE.
 - E. MAINTAIN ALL IRRIGATION SYSTEM COMPONENTS IN A FULLY OPERABLE CONDITION. CHECK FOR LINE BREAKS AND LEAKS, CLEAN FILTERS AND BUBBLER SCREENS OF DEBRIS AND CHECK FOR PROPER WATER DISTRIBUTION
 - F. PROVIDE REPORTS TO OWNER'S REPRESENTATIVE DETAILING MAINTENANCE WORK COMPLETED AND OTHER PERTINENT INFORMATION FOLLOWING EACH SITE VISIT
 - G. ROUTINE MOWING OF MEDIANS AND ROADSIDES, UNLESS NOTED OTHERWISE
 - H. EDGING BED LINES AND BACK-OF-CURBS/EDGE OF PAVEMENT
 - I. SOIL TESTING
 - J. REMULCHING
 - K. PLANT REPLACEMENTS

LEE COUNTY LANDSCAPE NOTES

1. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SAFE, SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
2. CONTRACTOR IS ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.
3. THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL CONTACT THE JOB SITE SUPERINTENDENT, CALL SUNSHINE, CALL LEE COUNTY UTILITIES AND CALL LEE COUNTY TRAFFIC FOR LOCATIONS OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK.
4. ALL SOD SHALL BE SAND GROWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN SOD AREAS. HAND RAKE PRIOR TO INSTALLING SOD. CONTRACTOR TO CUT IN AND MATCH NEW SOD TO EXISTING SOD. STAGGER JOINTS AND CLOSE ALL GAPS. ALL SOD TO BE ROLLED IMMEDIATELY AFTER INSTALLATION. ALL SOD SHALL BE CERTIFIED AS BEING FREE OF THE WEED TROPICAL SODA APPLE. (SOLANUM VIARUM)
5. CONTRACTOR SHALL APPLY A MINIMUM OF 2 APPLICATIONS OF APPROVED HERBICIDE TO EXISTING TURFGRASS AREAS WHERE IT WILL BECOME A PLANTED OR MULCHED AREA AS A RESULT OF THIS PROJECT. HERBICIDE MUST BE APPLIED BEFORE COMMENCING ANY GRADING OPERATIONS. CONTRACTOR SHALL REVIEW KILL WITH OWNER'S REPRESENTATIVE FOR APPROVAL ALL HERBICIDES MUST BE APPLIED BY LICENSED APPLICATORS AND PER THE MANUFACTURER'S RECOMMENDED RATES AND INSTRUCTIONS. POST ALL APPLICATION NOTICES.
6. CONTRACTOR SHALL INSTALL ALL SOIL AS REQUIRED BY THE PROJECT. CONSTRUCT ANY BERM TO BLEND IN WITH EXISTING GRADE. ALL SOIL MATERIAL SHALL BE CLEAN SOIL SUITABLE FOR PLANT GROWTH. SUBMIT SOIL SAMPLE TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL ALL AREAS TO BE GRADED SHALL RECEIVE A SMOOTH UNIFORM HAND GRADE. NO SOIL IS TO BE PLACED AROUND EXISTING TREES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXCESS SOIL AND DEBRIS FROM THE INSTALLATION OF THIS PROJECT, AND IT SHALL TAKEN TO A LAWFUL DISPOSAL SITE.
8. MULCH ALL NEWLY PLANTED AREAS AND AREAS TO RECEIVE MULCH WITH A SETTLED 3 DEPTH OF THE SPECIFIED RECYCLED MULCH. TREES AND PALMS WITHIN AREAS OF TURFGRASS SHALL BE MULCHED TO THEIR DRIPLINE OR STAKES, WHICHEVER IS GREATER. STAKES SHALL BE AT LEAST 6" INSIDE THE MULCHED RING.
9. THE CONTRACTOR SHALL HAND WATER ALL PLANT MATERIAL DAILY UNTIL SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL BE LIABLE FOR REPLACING PLANT MATERIALS EXPERIENCING TRANSPLANT SHOCK OR IMPROPER CARE, AT ANYTIME DURING THE COURSE OF THE CONTRACT PERIOD.
10. CONTRACTOR SHALL REPAIR ANY AREAS DISTURBED DURING THE COMPLETION OF WORK.
11. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS FOR FLORIDA NUMBER 1 OR BETTER AS ESTABLISHED IN "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
12. ALL PLANT MATERIAL MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE. 13. CONTRACTOR SHALL STAKE ALL TREES AND PALMS PER THE STAKING DETAILS. 14. ALL TREE RINGS AND MULCHED AREAS EVIDENCING WEED GROWTH SHALL BE SPRAYED WITH THE APPROVED HERBICIDE AT THE MANUFACTURER'S RECOMMENDED APPLICATION RATE. MULCHED AREAS SHALL REMAIN WEED FREE UNTIL FINAL ACCEPTANCE.
15. THE OWNER RESERVES THE RIGHT TO MODIFY PLANT PLACEMENT IN THE FIELD AS CONDITIONS DICTATE.
16. PLANT MATERIAL SHALL BE INSTALLED CONCURRENT WITH THE IRRIGATION BUBBLER SYSTEM. FUNNY PIPE INSTALLED TO MAKE COMPLETE RING AROUND BASE OF TREE, WITH BUBBLERS INSTALLED IN RING. NO STAPLES.
17. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING ANY WORK.
18. THE ROOT FLAIR AND ORIGIN OF THE FIRST EMERGING ROOT OF THE ROOT BALL SHALL BE 2" ABOVE FINISH GRADE AND VISIBLE AT INSPECTION. IF NOT, THE TREE WILL BE REJECTED.
19. FOR ALL PLANTING AREAS: REMOVE ALL ROADWAY AND COMPACTED MATERIAL FROM MEDIAN PLANTING AREAS; MODIFY THE EXISTING SOIL TO A DEPTH OF AT LEAST 18', ADD A 2"-3" LAYER OF APPROVED ORGANIC MATTER AND THOROUGHLY MIX THE ORGANIC MATTER WITH THE EXISTING SOIL TO A MINIMUM DEPTH OF 4"-6".

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DEPARTMENT OF TRANSPORTATION

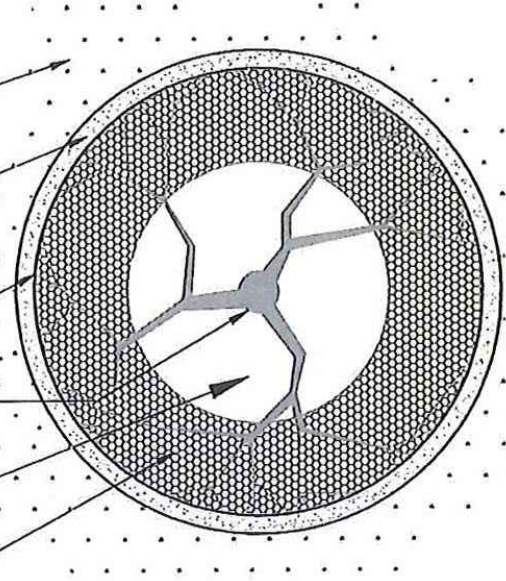
ORTIZ AVENUE WIDENING

LANDSCAPE NOTES

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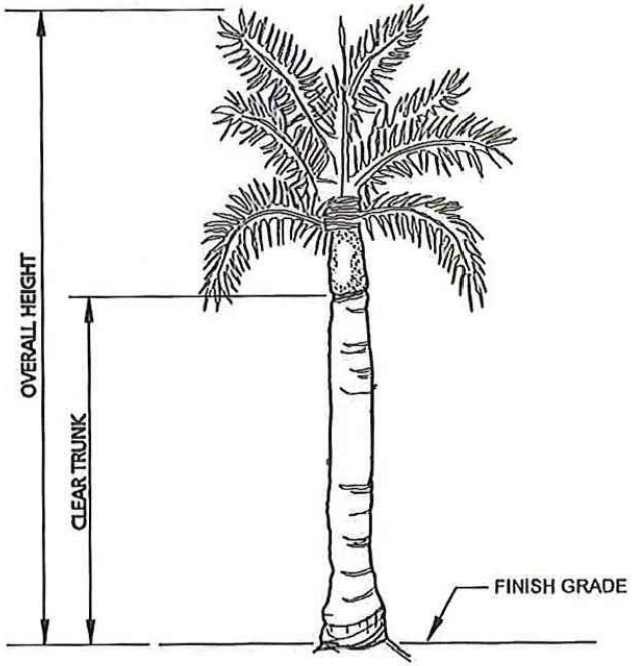
LANDSCAPE DETAILS

- UNDISTURBED EXISTING SOD
- 6" TRANSITION ZONE REMOVE SOD AND FILL SOIL 3" BELOW FINISH GRADE
- MULCH TO DRIPLINE UNLESS SPECIFIED OTHERWISE
- TREE (TYP.)
- ROOTBALL PERIMETER, NO SOIL OR MULCH ON TOP OF ROOTBALL
- MULCH 3" DEEP



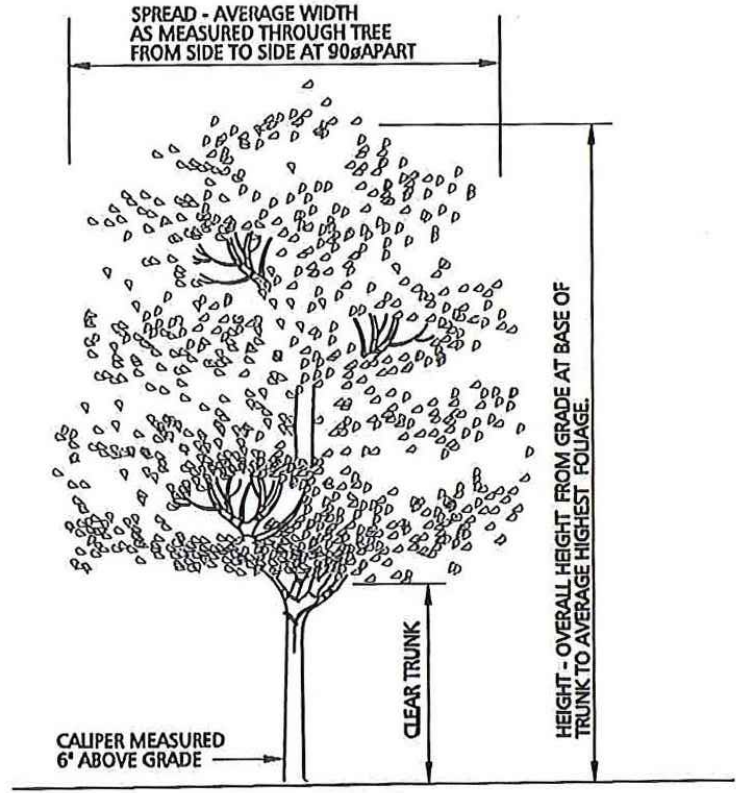
NOTE: TRANSITION ZONE SHALL BE MAINTAINED FREE OF GRASS OR WEEDS WITH ROUNDUP OR APPROVED SUBSTITUTE
 NOTE: SEE PLANS FOR MULCH LOCATION EXTENTS

TREE MULCHING DETAIL



PALM SIZING SPECIFICATION

N.T.S.



TREES WITH SHARP 'V' SHAPED BRANCHING AT THE TRUNK WILL NOT BE ACCEPTED.

TREE SIZING SPECIFICATION

N.T.S.

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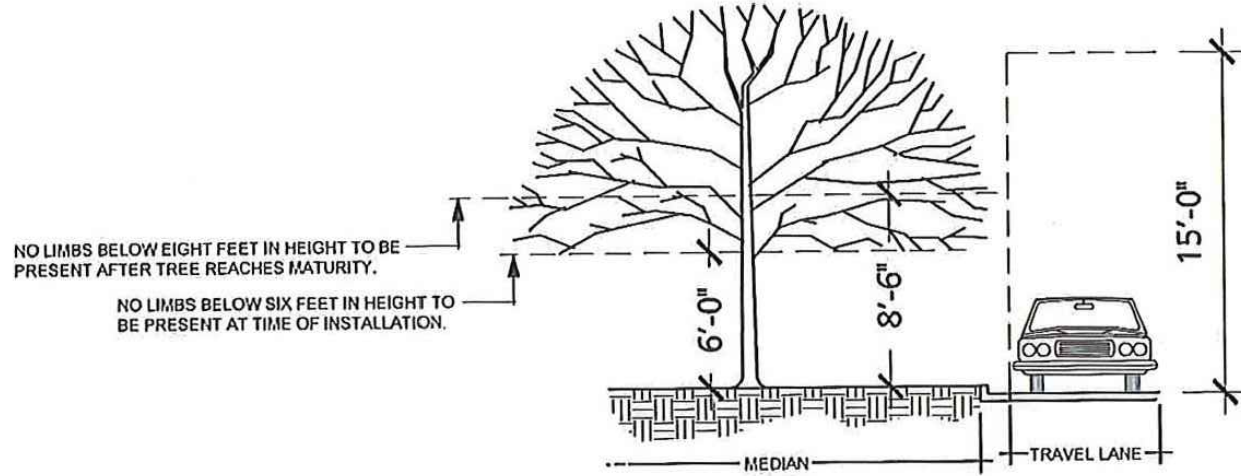


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 ORTIZ AVENUE WIDENING

LANDSCAPE DETAILS
 SHEET NO.
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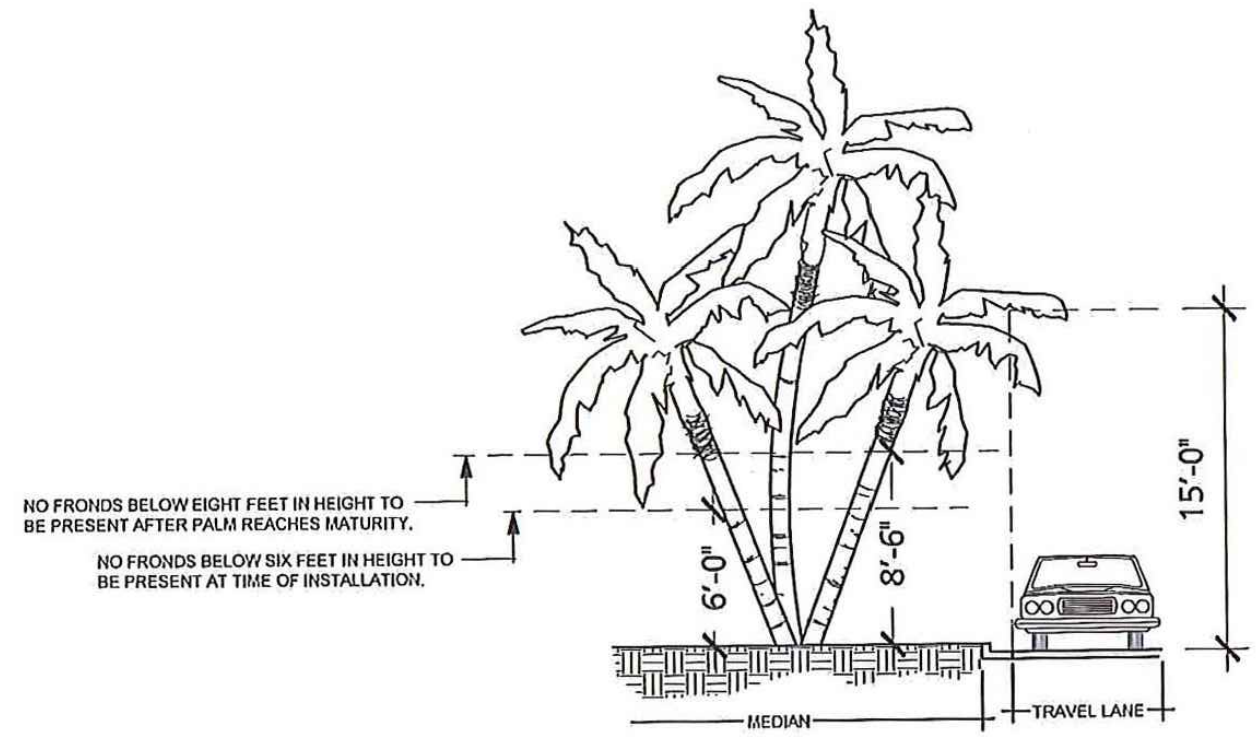
LANDSCAPE DETAILS



1. SELECT SINGLE LEADER & MULTI-TRUNK TREES WITH UPRIGHT GROWTH HABIT AND 6 FEET (6') OF CLEAR TRUNK AT TIME OF PLANTING.
2. PRUNE LOWER LIMBS AFTER TREE MATURES TO REMOVE BRANCHES FROM LOWER PORTION OF TREE, UP TO A HEIGHT OF EIGHT FEET SIX INCHES (8' 6").
3. INSPECT AND PRUNE TREES EACH YEAR FOR FIRST FIVE YEARS OF PROGRAM PLANTING. INSPECT AND PRUNE EVERY OTHER YEAR THEREAFTER AS REQUIRED. MAINTAIN FIFTEEN (15') FEET OF CLEARANCE OVER TRAVEL LANES FOR LIFE OF THE TREE.

ROADSIDE TREE SELECTION AND MAINTENANCE

N.T.S.



1. SELECT SINGLE LEADER & MULTI-TRUNK PALMS WITH UPRIGHT GROWTH HABIT AND 6 FEET (6') OF CLEAR TRUNK AT TIME OF PLANTING.
2. PRUNE LOWER FRONDS AFTER PALM TREE MATURES TO REMOVE FRONDS FROM LOWER PORTION OF PALM, UP TO A HEIGHT OF EIGHT FEET SIX INCHES (8' 6").
3. INSPECT AND PRUNE PALMS EACH YEAR FOR FIRST FIVE YEARS OF PROGRAM PLANTING. INSPECT AND PRUNE EVERY OTHER YEAR THEREAFTER AS REQUIRED. MAINTAIN FIFTEEN (15') FEET OF CLEARANCE OVER TRAVEL LANES FOR LIFE OF THE PALM.

ROADSIDE PALM SELECTION AND MAINTENANCE

N.T.S.

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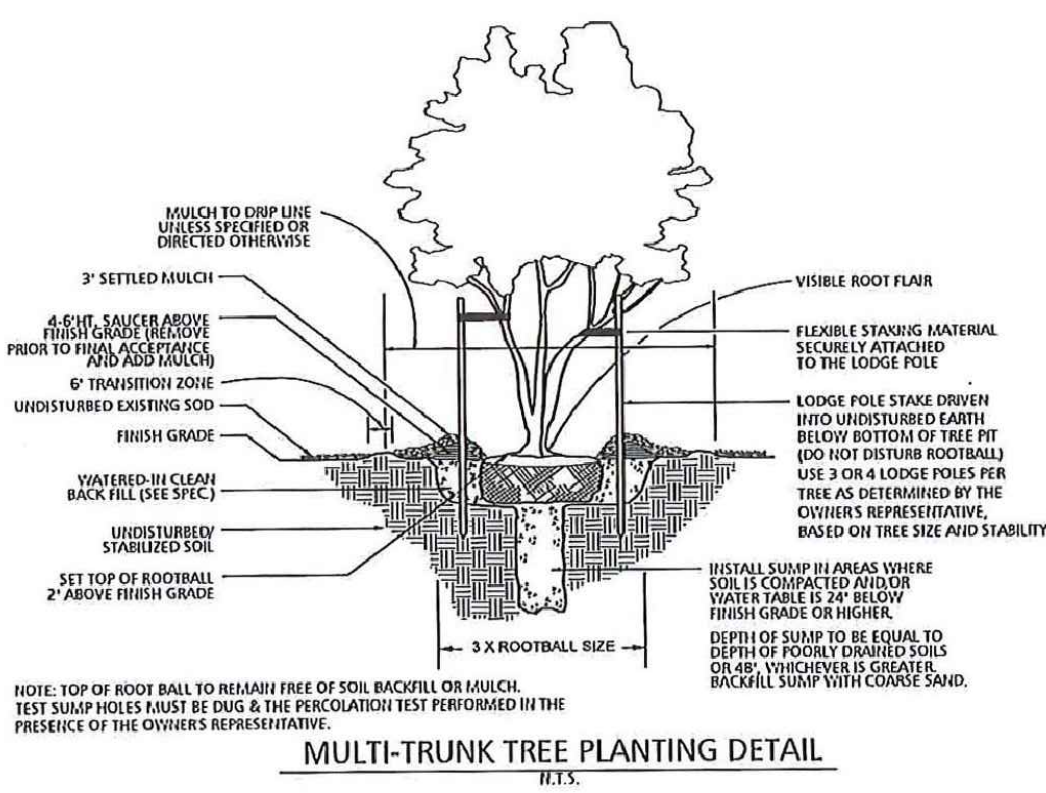
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ORTIZ AVENUE WIDENING

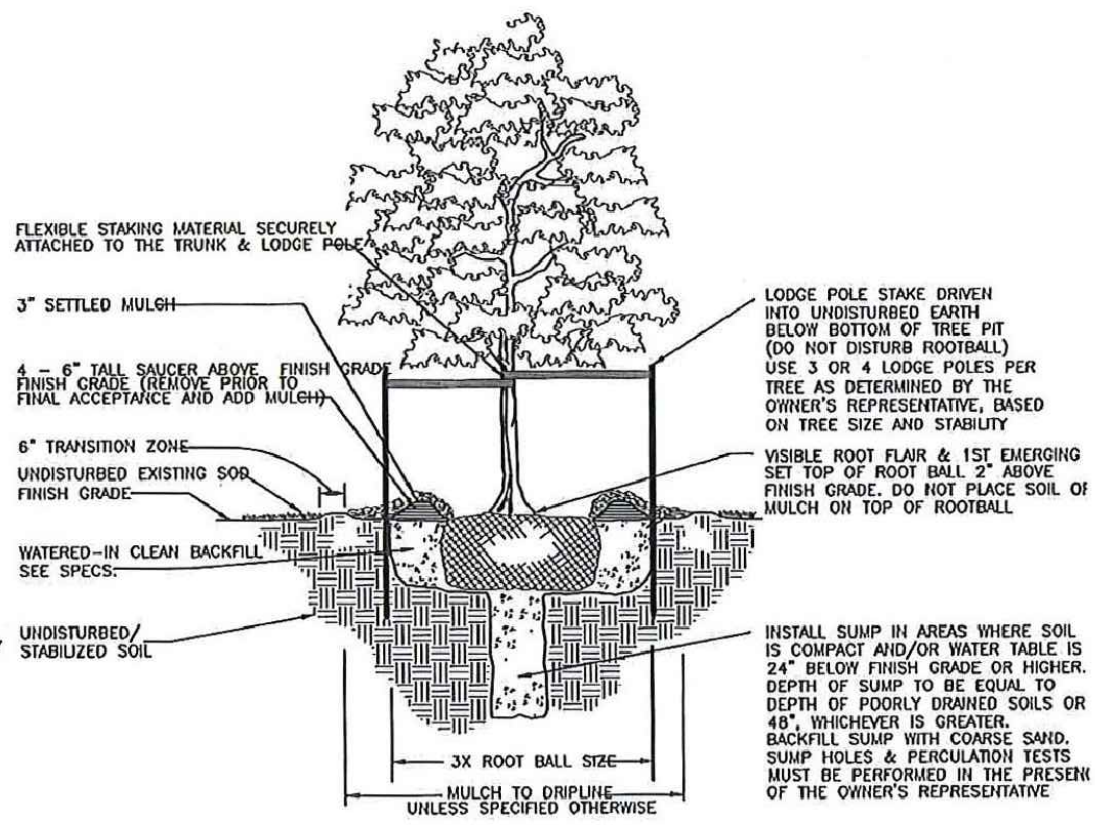
LANDSCAPE DETAILS

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LANDSCAPE DETAILS



MULTI-TRUNK TREE PLANTING DETAIL
N.T.S.



SINGLE TRUNK TREE PLANTING DETAIL
N.T.S.

TREE & PALM PLANTING NOTES

1. PREPARE PLANTING HOLE TO ANSI 300 STANDARDS.
2. INSTALL TREE SUMP PER PLANTING DETAIL.
3. REMOVE EXCESS SOIL FROM TOP OF ROOTBALL, EXPOSING ROOT FLARE AND UPPER MOST ROOTS.
4. PLACE ROOTBALL IN THE HOLE AND STRAIGHTEN PLANT, INSURING THE ROOT FLARE AND TOP ROOT OF THE ROOTBALL IS AT LEAST 2" ABOVE FINISHED GRADE.
5. BALLED AND BURLAPPED MATERIAL:
 - a. REMOVE BURLAP AND TWINE/ROPE FROM TRUNK AND TOP OF ROOTBALL.
 - b. GENTLY REMOVE ALL NON-BIODEGRADABLE MATERIAL FROM THE ROOTBALL AND PLANT.
 - c. WIRE BASKETS: GENTLY BEND DOWN OR REMOVE WIRE FROM TOP OF ROOTBALL AND WHERE IT IS BELOW FINISH GRADE.
6. CONTAINER MATERIAL:
 - a. MAKE 3 TO 6 VERTICAL SLICES TO THE INSIDE OF THE ROOTBALL ADJACENT TO THE TRUNK.
 - b. MAKE COMPLETE SLICES PARALLEL TO THE SIDES OF THE ROOTBALL, 1"-2" FROM THE EDGE OF THE ROOTBALL AND COMPLETELY AROUND THE PERIMETER OF THE ROOTBALL.
7. BACKFILL 25% OF THE HOLE DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE PLANT IN A VERTICAL POSITION.
8. BACKFILL AN ADDITIONAL 25% OF THE HOLE DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE PLANT IN A VERTICAL POSITION.
9. BACKFILL AN ADDITIONAL 25% OF THE HOLE DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE PLANT IN A VERTICAL POSITION.
10. BACKFILL THE REST OF THE HOLE TO THE TOP OF THE ROOTBALL AND THOROUGHLY WATER IN, MAINTAINING THE PLANT IN A VERTICAL POSITION.
11. ADD 3" OF THE SPECIFIED MULCH FROM THE PERIMETER OF THE ROOTBALL TO THE DRIPLINE, CURB, BED DEMARCATION LINE OR AS NOTED ON THE PLANS.
12. ANY DEVIATION FROM THE ABOVE PROCESS OR IMPROPER HANDLING WILL NOT BE CONSIDERED AS INDUSTRY STANDARDS AND WILL BE CAUSE FOR REJECTION OF WORK.
13. ONLY PLANTS WITH PROPERLY PRUNED ROOT SYSTEMS WILL BE ACCEPTED.
14. BALLED AND BURLAPPED TREES MUST HAVE THEIR CANOPY PROPERLY HARDENED-OFF FOR ACCEPTANCE.
15. TREES WITH CENTER STAKES WILL NOT BE ACCEPTED.

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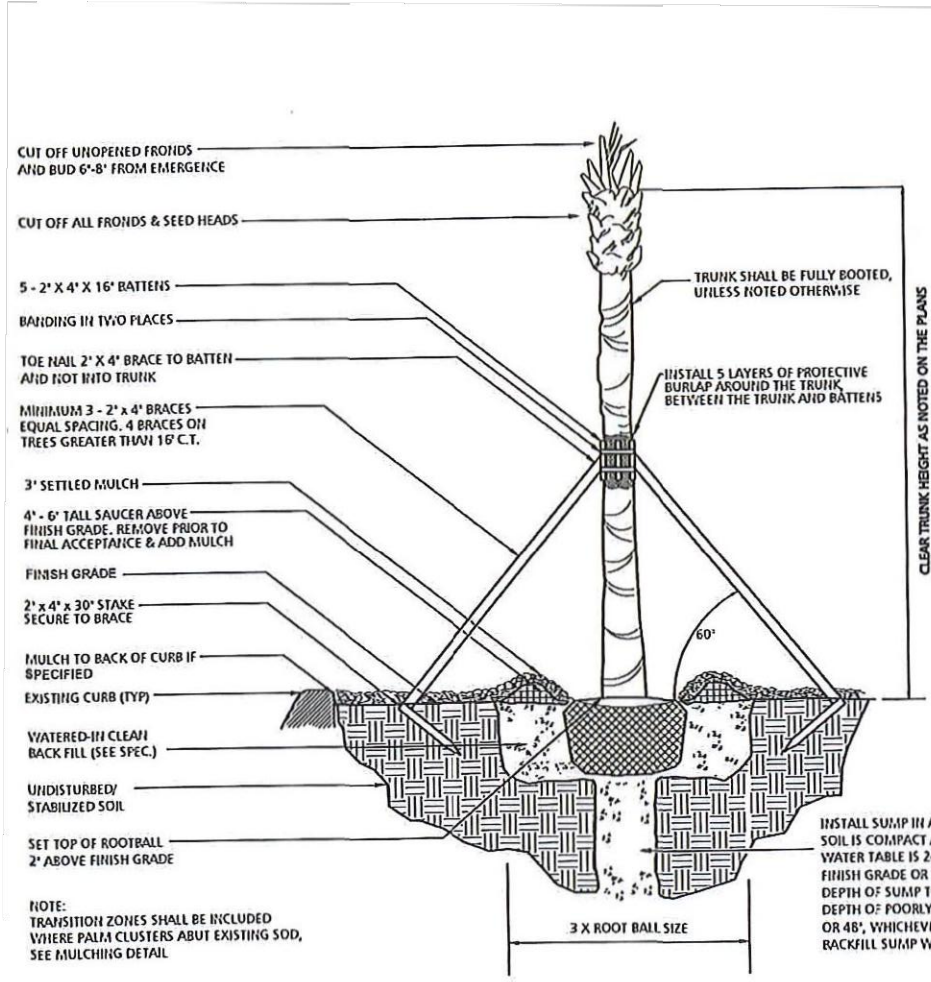
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

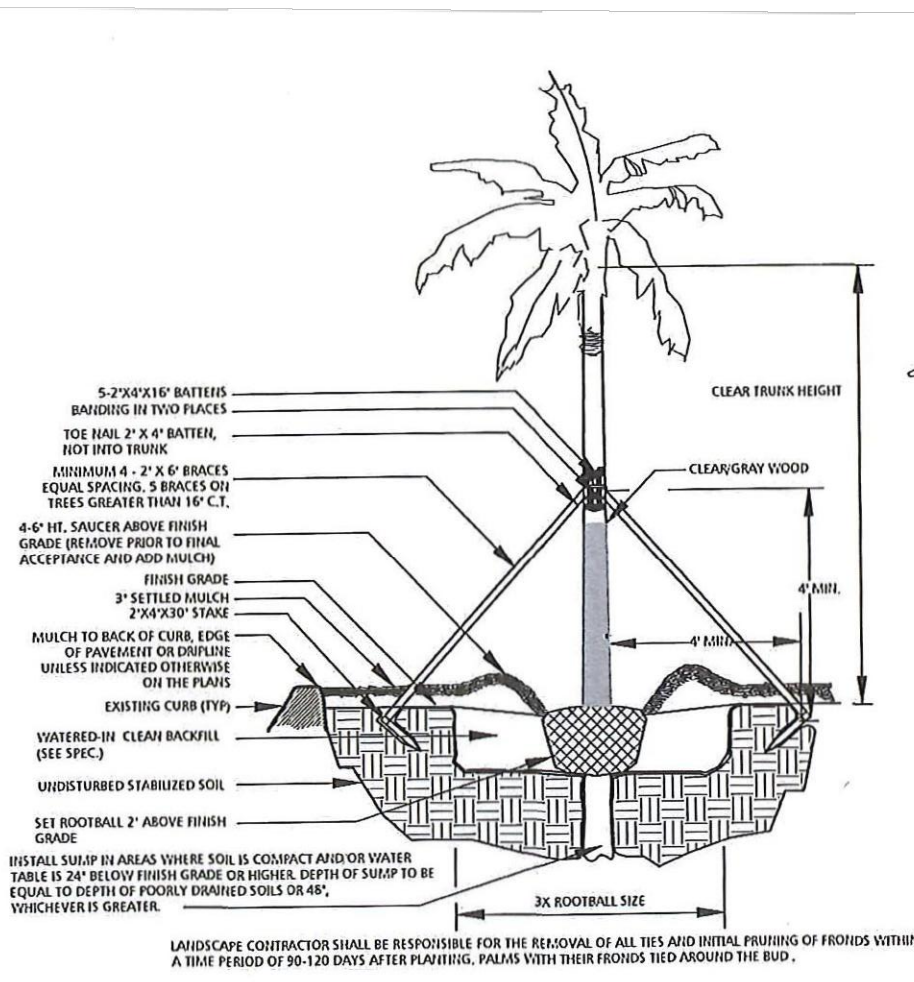
LANDSCAPE DETAILS

SHEET NO.
4.3

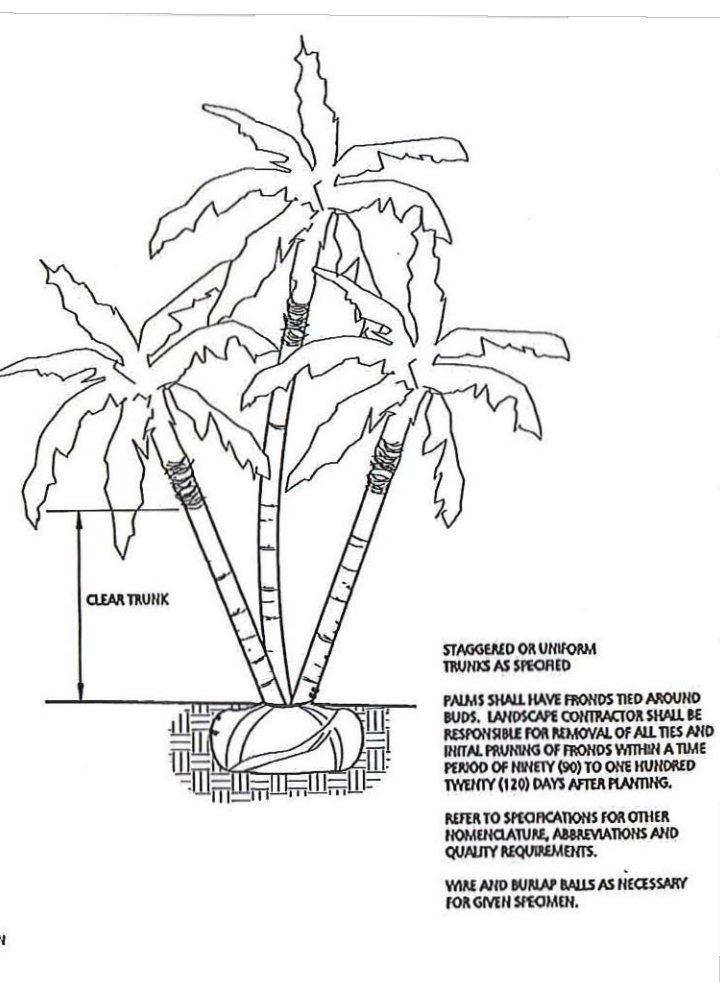
LANDSCAPE DETAILS



SABAL PALM PLANTING DETAIL
N.T.S.



PINNATE PALM PLANTING DETAIL
N.T.S.



MULTI-STEM PALMS
N.T.S.

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LEE COUNTY
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ORTIZ AVENUE WIDENING













LANDSCAPE DETAILS

SHEET NO. 4.4

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PAY ITEM #:

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
580-003-1 	Hunter PCB-R 10 Flood Bubbler, 1/2" FIPT. With Purple Cap for Reclaimed Water Use.	262	Reference Landscape Note #16 and Reference Irrigation Note #19.
580-003-2 	Rain Bird 300-BPE-NP-HAN Globe 3" 3" Brass Electric Remote Control Valve, with Globe Configuration. With Purple Flow Control Handle for Non-Potable Water Applications.	1	
580-003-3 	Rain Bird PESBR 2" 1", 1-1/2", and 2" Durable Chlorine-Resistant Valves for Reclaimed Water Applications. With Scrubber Mechanism Technology, and Purple Flow Control Handle.	6	
580-003-4 	Gate Valve Mainline Purge	4	
580-003-13 	Hunter ACC-99D 2-Wire Decoder Controller with 99 station capacity, metal cabinet.	1	
580-003-13 	Hunter CLIK-DELAY When installed with a Rain-Clík rain sensor, the Hunter Clík-Delay is designed to delay controller activation for 48 hours after the rain has stopped.	1	/
580-003-14 	Hunter ICD-100 Single Station Decoder w/Surge Suppression and Ground Wire	6	/
580-003-19 580-003-20 	Valve Box Carson specification grade valve box: -Round 10", purple box/purple lid overlapping RWDNDES. -Rectangle, 14"x 19"x12", purple lid, overlapping RWDNDES;	4 6	
580-003-6 	Grounding Plate Copper Ground Plate with welded insulated conductor. Paige Electric part number 182199IC, 4"x96"x6AWG 25` wire. Surge protection for Two-Wire Satellite and Decoder Systems.	3	
580-003-5 580-003-15 	Pull Box Electrical Conduit	8	
580-003-16 	Point of Connection 6" IRRIGATION WELL	1	
580-003-17 	Electric Service	1.0	
580-003-18	Pump Station	1.0	
580-003-7	Control Wire: 2-Wire System, 12-AWG wires	4,610 l.f.	
580-003-8	Irrigation Lateral Line: PVC Class 200 SDR 21-NP 1"	3,730 l.f.	
580-003-9	Irrigation Lateral Line: PVC Class 200 SDR 21-NP 1 1/4"	1,420 l.f.	
580-003-10	Irrigation Lateral Line: PVC Class 200 SDR 21-NP 1 1/2"	1,180 l.f.	
580-003-11	Irrigation Lateral Line: PVC Class 200 SDR 21-NP 2"	1,440 l.f.	
580-003-12	Irrigation Lateral Line: PVC Class 200 SDR 21-NP 2 1/2"	560.1 l.f.	
580-003-12	Irrigation Mainline: PVC Class 200 SDR 21-NP 3"	4,400 l.f.	
591-000-001	Pipe Sleeve: HDPE PE4710 DR 13.5	1,325 l.f.	
591-000-002	2" GRAY PVC SCH 40 IRRIGATION ELECTRICAL CONDUIT	4,400 l.f.	

DIRECTIONAL BORE LIST

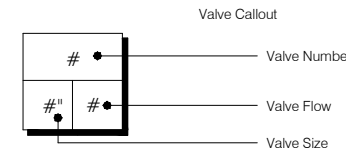
Number	Item	Quantity	Unit
555-000	DIRECTIONAL BORES		
555-000-01	DIRECTIONAL BORE 2"	545.0	L.F.
555-000-02	DIRECTIONAL BORE 3"	280.0	L.F.
555-000-03	DIRECTIONAL BORE 4"	170.0	L.F.
555-000-04	DIRECTIONAL BORE 6"	480.0	L.F.
555-000-05	DIRECTIONAL BORE 8"	80.0	L.F.

IRRIGATION NOTE:

- WELL AND POWER SOURCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

LEE COUNTY BUFFER IRRIGATION NOTE:

- CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF IRRIGATION COMPONENTS TO SUPPLY LEE COUNTY E.O.C. RELOCATED OR REPLACED BUFFER VEGETATION WITH SUPPLEMENTAL WATER.
- SUPPLY VALVES EXIST FOR SUPPLY TO THE BUFFER PLANTINGS AND SHOULD BE RETAINED TO THE GREATEST EXTENT FEASIBLE FOR REPURPOSING.



NOTE:

CONTRACTOR TO VERIFY ALL QUANTITIES PRIOR TO BIDDING.

PIPE SIZING CHART

	GPM	SIZE
SCHEDULE 40	1-13	1"
	14-22	1-1/4"
	23-30	1-1/2"
	31-50	2"
	51-70	2-1/2"

Flows shall maintain velocities of less than 5 feet per second

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION TABULATION OF QUANTITIES

SHEET NO.

5

LEE COUNTY IRRIGATION NOTES

1. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS -- CONTRACTOR SHALL VERIFY.
2. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. LATERAL LINES SHALL BE CONTAINED WITHIN THEIR OWN SLEEVE WHERE SHOWN ON THE PLAN. ALL HDPE SLEEVES SHALL HAVE LOCATOR BALLS PLACED NO DEEPER THAN FOUR FEET (4') BELOW FINISHED GRADE.
3. IRRIGATION COMMUNICATION CABLE SHALL HAVE ITS OWN SEPARATE SLEEVE. ALL CONTROL WIRE CONDUIT SHALL BE A MINIMUM OF TWO INCH (2") DIAMETER.
4. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.
5. MAINLINE AND VALVES ARE SHOWN IN SCHEMATIC FORM. LOCATE AS NOTED ON PLANS.
6. LOCATED ALL VALVES A MINIMUM OF 60" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
7. ALL UNSIZED PIPE SHALL BE 1" UNLESS OTHERWISE NOTED.
8. ALL VALVES SHALL BE INSTALLED IN CARSON SPECIFICATION GRADE VALVE BOX, RECTANGLE 14"X 19"X12".
9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO THE COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
10. VERIFY MAINLINE POINT OF CONNECTION AND ELECTRICAL POWER LOCATION AT PROJECT SITE WITH OWNER.
11. USE ONLY PAIGE ELECTRIC P1012D - 180160 12 AWG BLACK COMMUNICATION CABLE TO BE LAID ALONG SIDE OF IRRIGATION MAINLINE WHERE APPLICABLE. ID2BLU CABLE FOR ALL ROUTING OF CONTROLLER. PAIGE ID20RG 12 AWG COMMUNICATION CABLE TO BE LAID ALONG SIDE OF IRRIGATION MAINLINE WHERE APPLICABLE. ID20RG CABLE FOR ALL ROUTING SOUTH OR EAST OF CONTROLLER.
12. ALL CONNECTIONS TO THE FIELD DECODERS ALONG THE 2-WIRE PATH SHALL BE ACCOMPLISHED VIA THE USE OF 3M DBR-6 WIRE CONNECTORS. THIS ALSO INCLUDES ALL GROUND RODS AND THE CONNECTION TO THE CONTROLLER. CONTRACTOR SHALL FOLLOW MANUFACTURE'S INSTALLATION SPECIFICATIONS.
13. DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM, VALVES SHALL BE WIRED TO THE CONTROLLER STATION AS PER THE IRRIGATION ZONE NUMBERS.
14. ALL CONNECTIONS TO THE IRRIGATION MAINLINE SHALL BE ACCOMPLISHED VIA THE USE OF DUCTILE IRON SERVICE TEES. ALL CHANGES IN DIRECTION OF THE MAINLINE SHALL BE ACCOMPLISHED VIA THE USE OF DUCTILE IRON 45 DEGREE ELBOWS.
15. CONTRACTOR SHALL INSTALL METALIZED IDENTIFICATION TAPE ABOVE ALL IRRIGATION MAINLINES AS SHOWN ON THE TRENCHING DETAIL.
16. RESTORE ALL DISTURBED AREAS. SEED AREAS WITH ARGENTINE BAHIA GRASS THAT ARE LESS THAN 12" WIDE AT THE RATE OF 10 LBS. PER 1000 SQUARE FEET. SOD AREAS 12" OR WIDER WITH ARGENTINE BAHIA GRASS SOD. PROVIDE A SMOOTH TRANSITION BETWEEN THE REPAIRED DISTURBED AREAS AND THE UNDISTURBED AREAS.
17. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
18. PRODUCTS SHALL BE AS SPECIFIED.
19. PLANT MATERIAL SHALL BE INSTALLED CONCURRENT WITH THE IRRIGATION BUBBLER SYSTEM. FUNNY PIPE INSTALLED TO MAKE COMPLETE RING AROUND BASE OF TREE, WITH BUFFERS INSTALLED IN RING. NO STAPLES.

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LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

IRRIGATION NOTES AND
DETAILS

SHEET
NO.
6.0

IRRIGATION DETAILS

CARSON SPEC. VALVE BOX, RECTANGLE 14"X19"X12"HT. W/ PURPLE LID, OVERLAPPING RWDNDES.

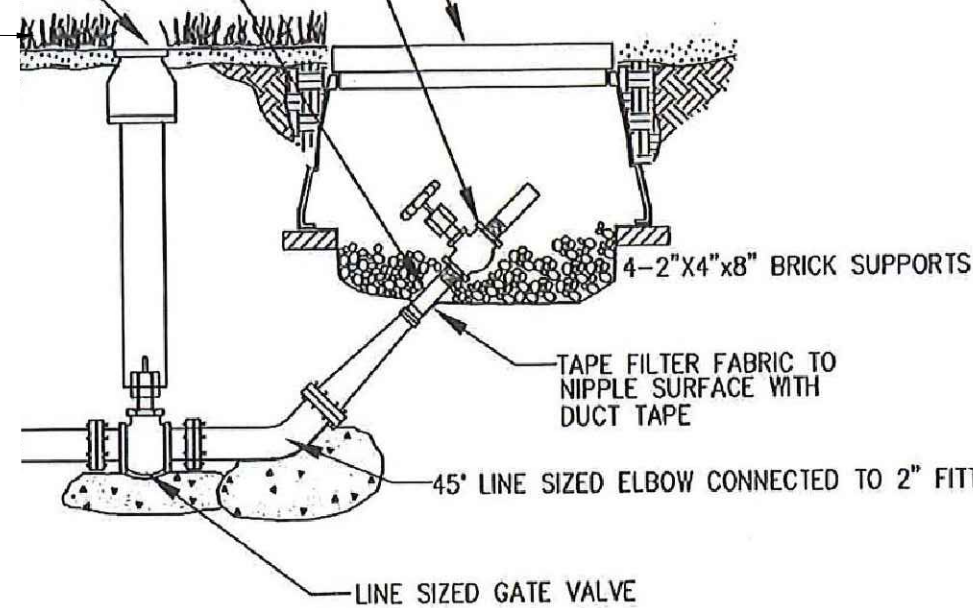
SET ON BRICK SUPPORTS (4). PROVIDE NON-WOVEN FILTER FABRIC WITH 4" LAYER OF PEA GRAVEL ON TOP OF FILTER FABRIC. TAPE FILTER FABRIC TO EXTERIOR OF VALVE BOX WITH DUCT TAPE, PROVIDE A 4" OVERLAP FROM BOTTOM OF BOX. BOX SHALL BE SET FLUSH AND LEVEL WITH GRADE.

1 1/4" RED & WHITE GATE VALVE. PROVIDE 6" LONG NIPPLE AT OUTLET VALVE INLET SIZED SCH 40 PVC THREADED NIPPLE CONNECTED TO VALVE.

CUT OFF THREADED END AT FLANGED CONNECTION END AND SOLVENT WELD TO FLANGE.

CDR VALVE BOX, A10-1015-12 WITH 6" SCH PVC SLEEVE DOWN TO VALVE. SLEEVE SHALL NOT BEAR ON VALVE

FINISHED GRADE

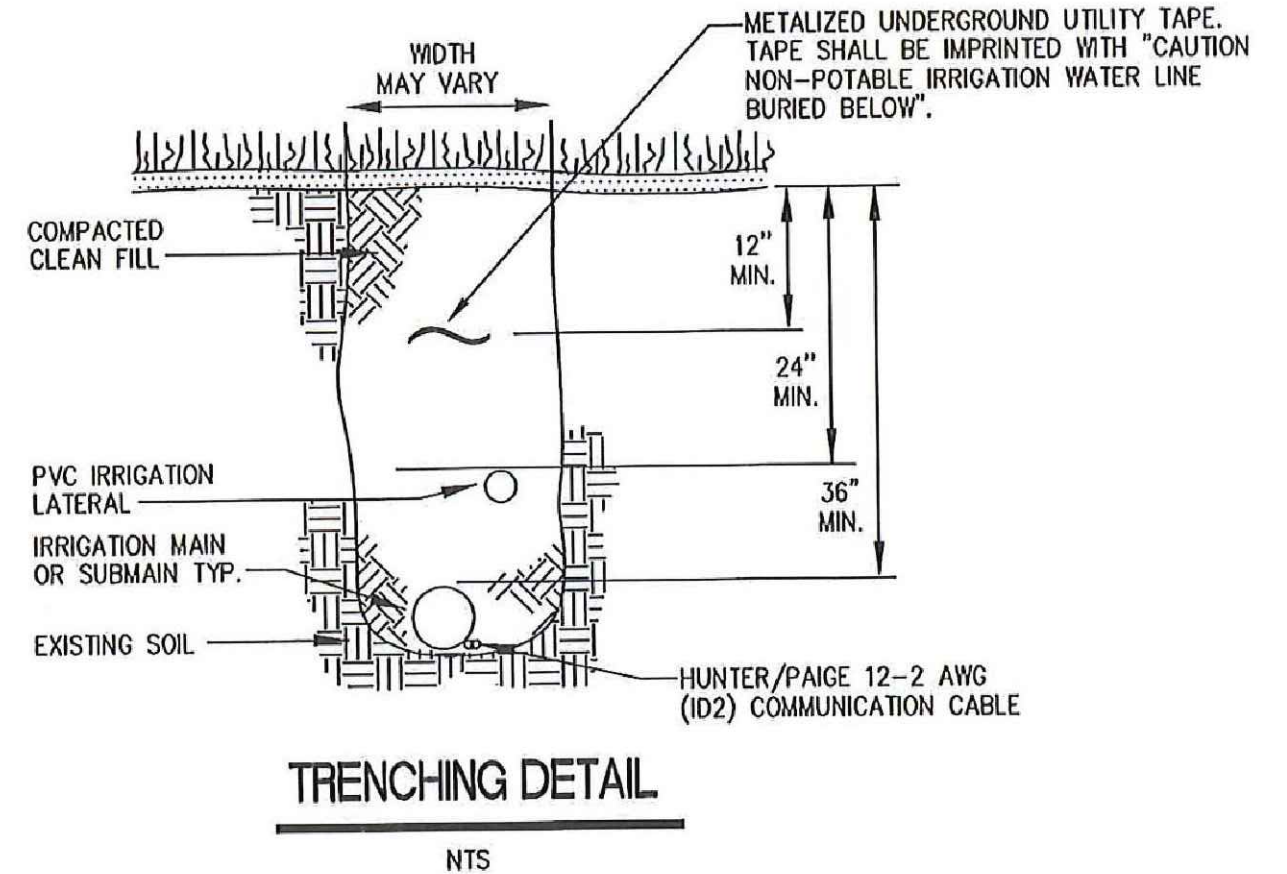


NOTES:
ALL THREADED RODS, NUTS AND WASHERS SHALL BE STAINLESS STEEL

OPEN AND SLOWLY CLOSE THE VALVES DURING FLUSHING. OPEN 1 1/4" VALVE FIRST, THEN OPEN LARGER VALVE. USE A MINIMUM TIME OF 30 SECONDS FOR OPENING OR CLOSING EACH VALVE UNDER PRESSURE

IRRIGATION MAINLINE BLOW-OFF INSTALLATION

NTS



TRENCHING DETAIL

NTS

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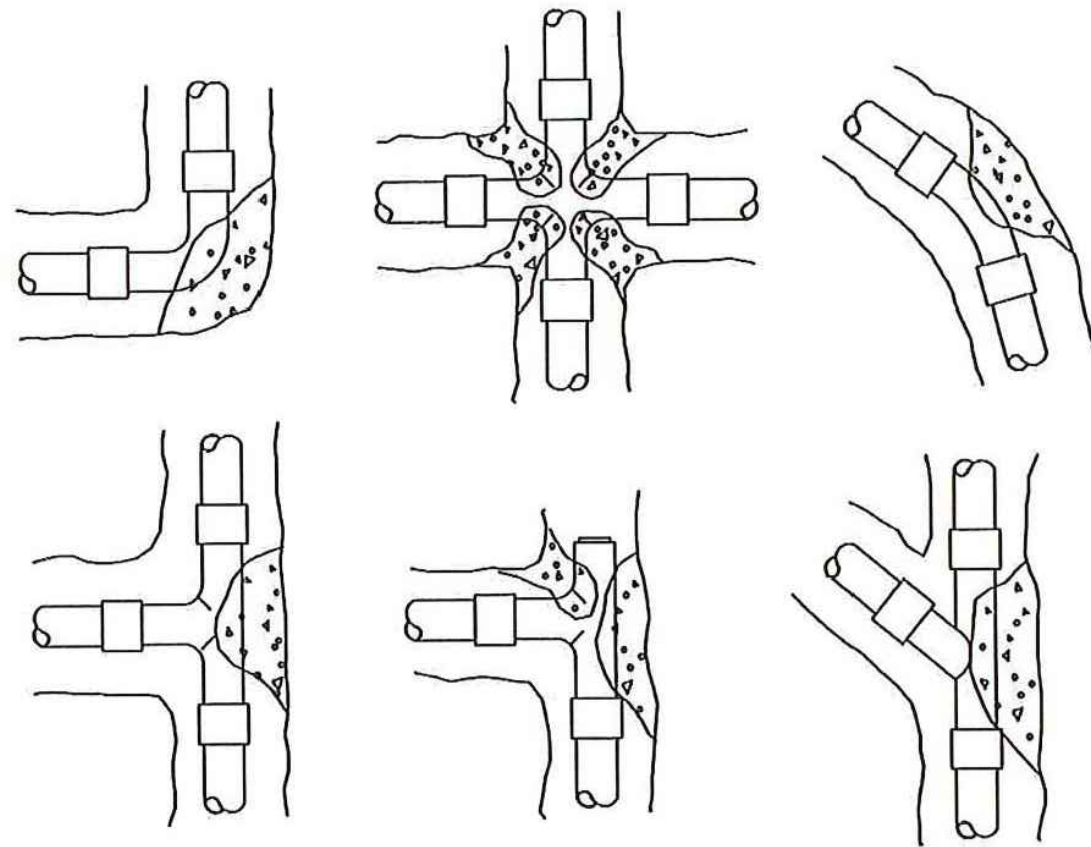
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IRRIGATION DETAILS

SHEET NO.

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IRRIGATION DETAILS



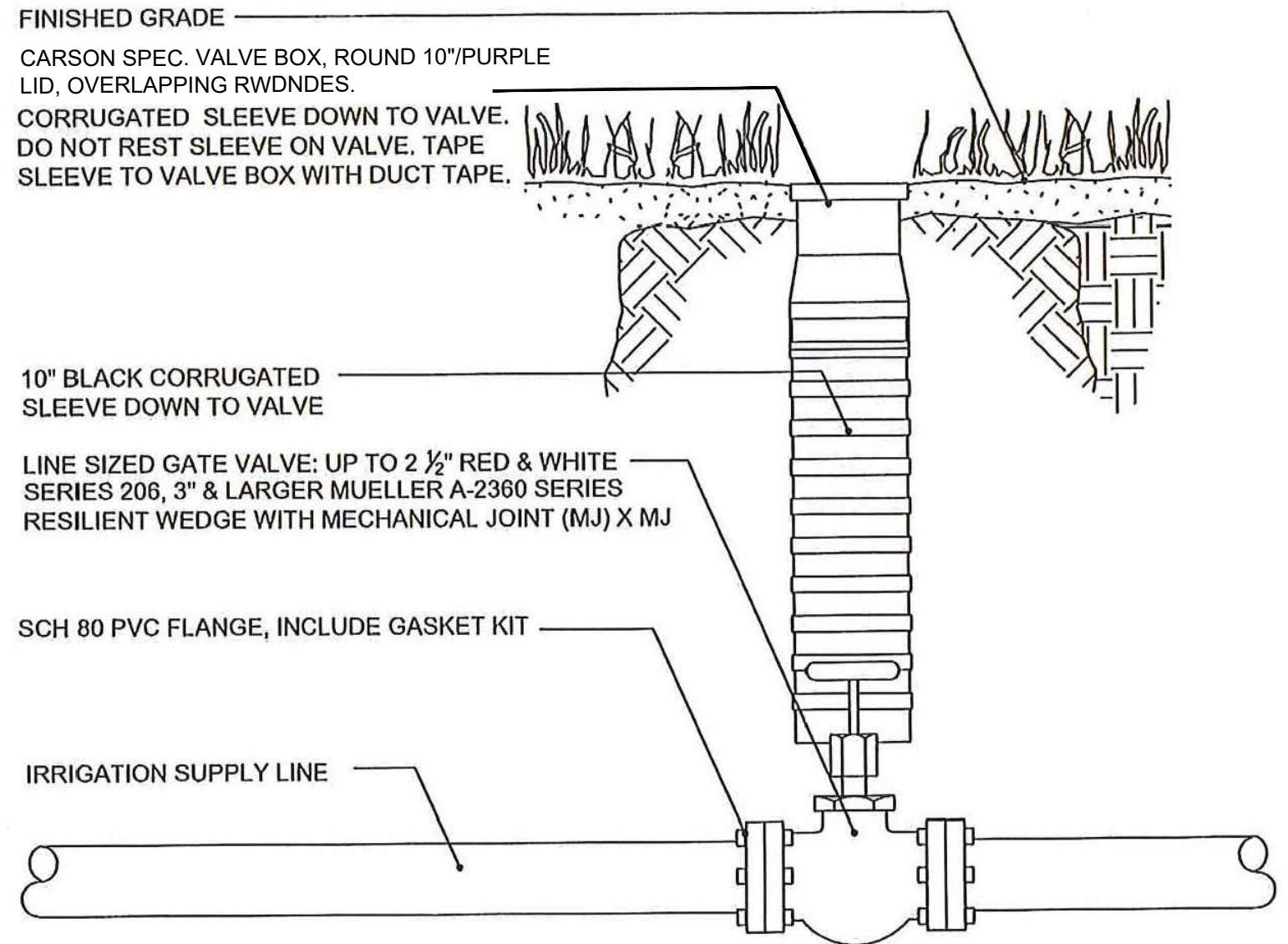
INSTALLATION NOTES

1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.
2. FOR 45°/90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.
3. FOR 22-1/2" FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.
4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.

THRUST BLOCKS REQUIRED FOR IRRIGATION MAINLINE 2" AND LARGER.

THRUST BLOCK REINFORCEMENT

NTS



MAINLINE ISOLATION VALVE DETAIL

N.T.S.

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IRRIGATION DETAILS

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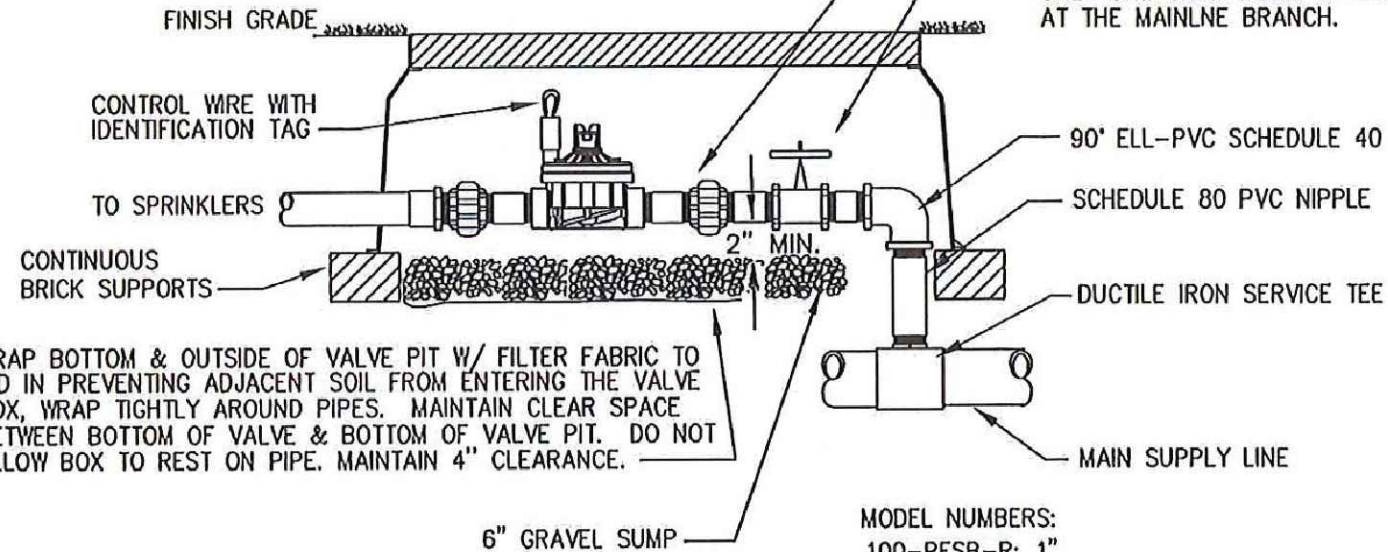
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IRRIGATION DETAILS

CARSON SPECIFICATION GRADE VALVE BOX: RECTANGLE, 14"X 19"X12", PURPLE LID, OVERLAPPING RWDNDES; ROUND 10", PURPLE BOX/PURPLE LID OVERLAPPING RWDNDES.

UNION-PVC SCHEDULE 40

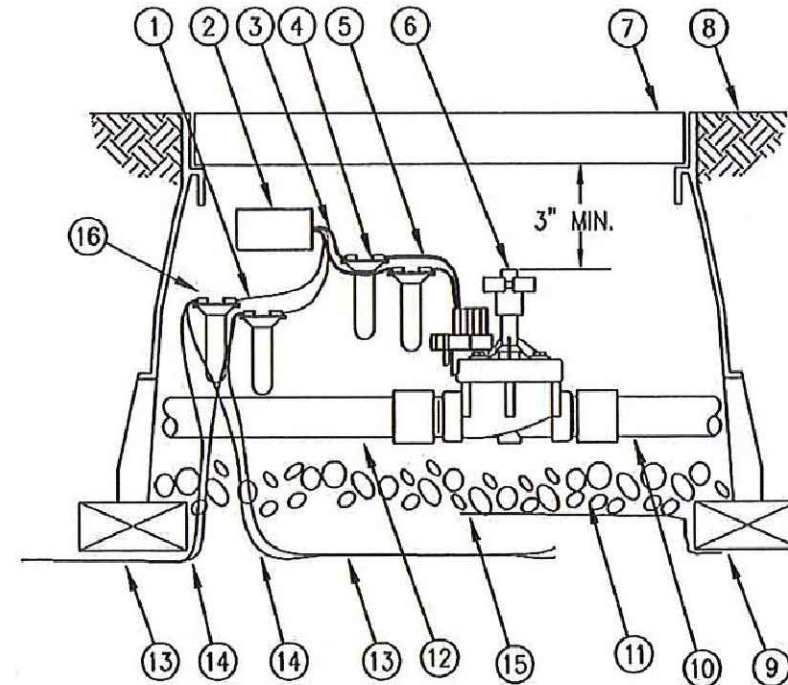
RED AND WHITE SERIES 206 GATE VALVE PER LINE SIZE
NOTE: WHERE CONTROL VALVES ARE MANIFOLDED AS A GROUP ONLY ONE GATE VALVE IS REQUIRED AT THE MAINLINE BRANCH.



MODEL NUMBERS:
100-PESB-R: 1"
150 PESB-R: 1 1/2"
200 PESB-R: 2"

RAIN BIRB PESB-R SERIES CONTROL VALVE

NTS



- ① WIRE FROM ICD 100 DECODER (1 OF 2)
- ② ICD 100 DECODER
- ③ WIRE FROM ICD 100 DECODER (1 OF 2)
- ④ 3M DBR-6 CONNECTORS
- ⑤ 5' MIN. LENGTH OF 12-2 GAUGE SOLENOID WIRE
- ⑥ REMOTE CONTROL VALVE
- ⑦ CARSON SPEC. VALVE BOX, RECTANGLE 14"x19"x12"Ht., PURPLE BOX/PURPLE LID, OVERLAPPING RWDNDES
- ⑧ FINISH GRADE / TOP OF MULCH
- ⑨ BRICK (1 OF 4)
- ⑩ PVC MAINLINE PIPE
- ⑪ 6" GRAVEL SUMP
- ⑫ PVC LATERAL PIPE
- ⑬ TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, ACC CONTROLLER)
- ⑭ COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, OR ACC CONTROLLER)
- ⑮ LANDSCAPE FABIC LINING BOTTOM OF VALVE BOX
- ⑯ 3M DBR-6 WIRE CONNECTORS

ICD 100 DECODER CONNECTION TO VALVE

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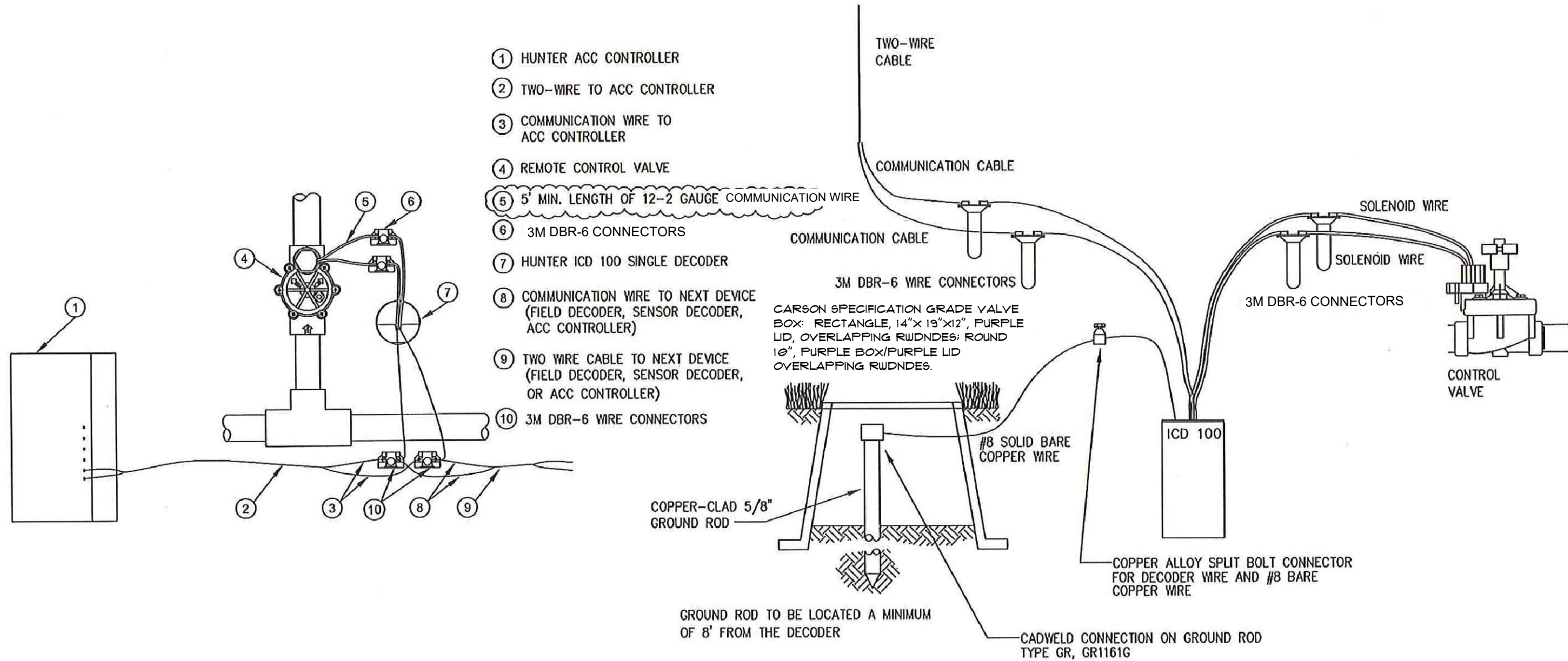
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ORTIZ AVENUE WIDENING

IRRIGATION DETAILS

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IRRIGATION DETAILS



**ICD 100 DECODER
WIRING TO VALVE AND CONTROLLER**

NTS

**ICD 100 DECODER
WIRING DIAGRAM**

NTS

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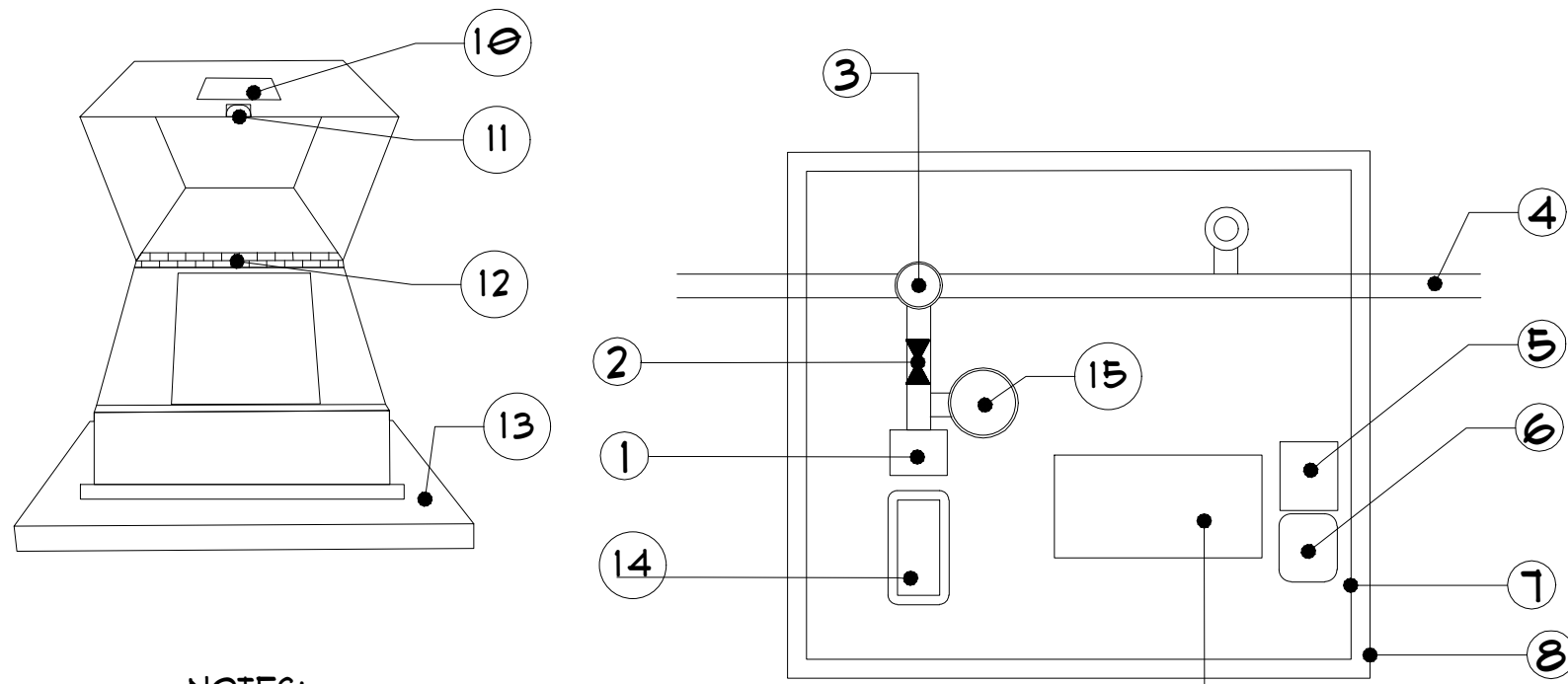
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ORTIZ AVENUE WIDENING

IRRIGATION DETAILS

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IRRIGATION DETAILS

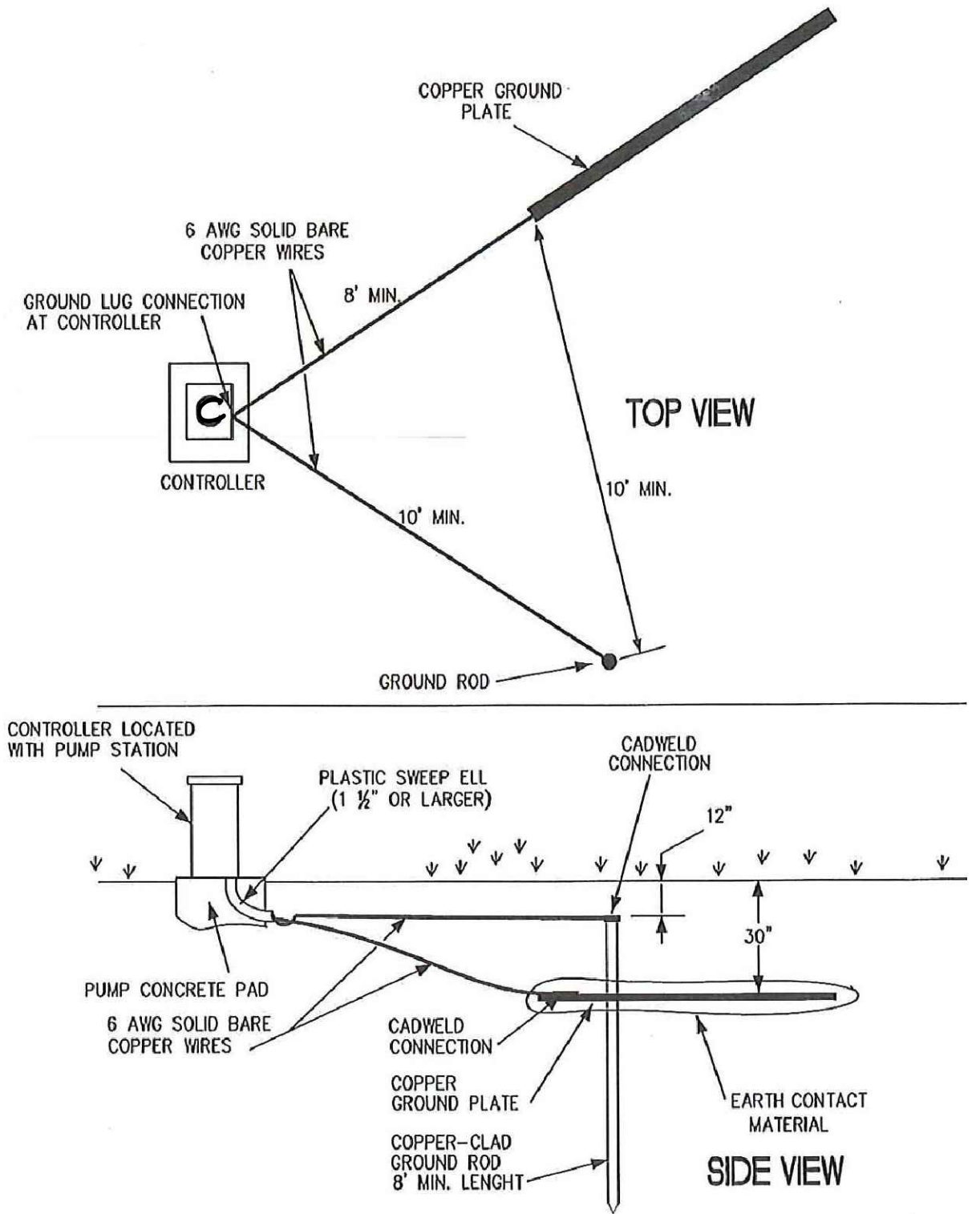


NOTES:

- 1) 6" WELL
- 2) ISOLATION VALVE
- 3) DUCTILE IRON SERVICE TEE
- 4) MAINLINE
- 5) CONTROLLER - HUNTER IRRIGATION CONTROLLER, ACC-P2P-LTE MODULE
- 6) RAIN SENSOR
- 7) 55"W X 64"L X 52"H FOREST GREEN FIBERGLASS FLIP TOP COVER
- 8) 60"W X 10"L WELDED ALUMINUM FRAME
- 9) UL LISTED CONTROL PANEL IN A FIBERGLASS ENCLOSURE WITH FAULT RESET/DETECTION, LOSS OF PRIME, LOW AND HIGH PRESSURE, AND TRANSIENT SURGE PROTECTION .
- 10) 8" X 16" VENT (FRONT AND REAR)
- 11) STAINLESS STEEL LOCKABLE HASP
- 12) STAINLESS STEEL HINGE AND HARDWARE
- 13) 5'W X 1'L X 4"T CONCRETE SLAB
- 14) YASKAWA VFD
- 15) PRESSURE TANK

PUMP PERFORMANCE TO BE DETERMINED BASED ON WELL PRODUCTION AND WATER USE PERMIT, BY OTHERS.

WELL ENCLOSURE WITH IRRIGATION CONTROLLER



GROUNDING PLATE DETAIL

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LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION DETAILS

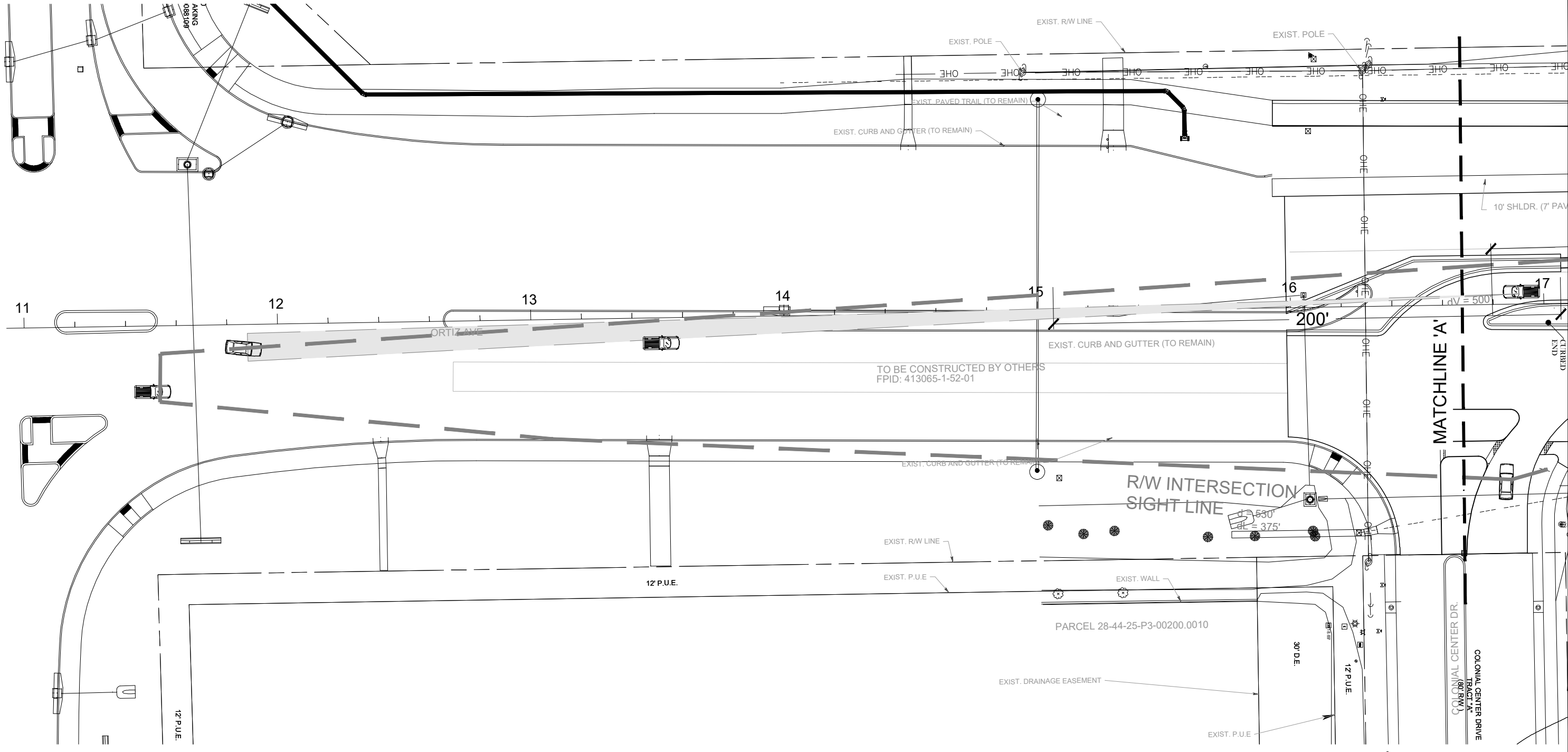
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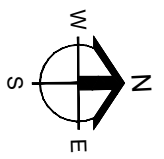
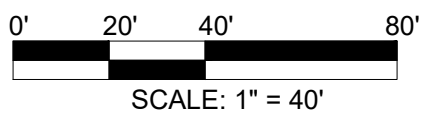
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COLONIAL BLVD., SR 882



45 MPH DESIGN SPEED



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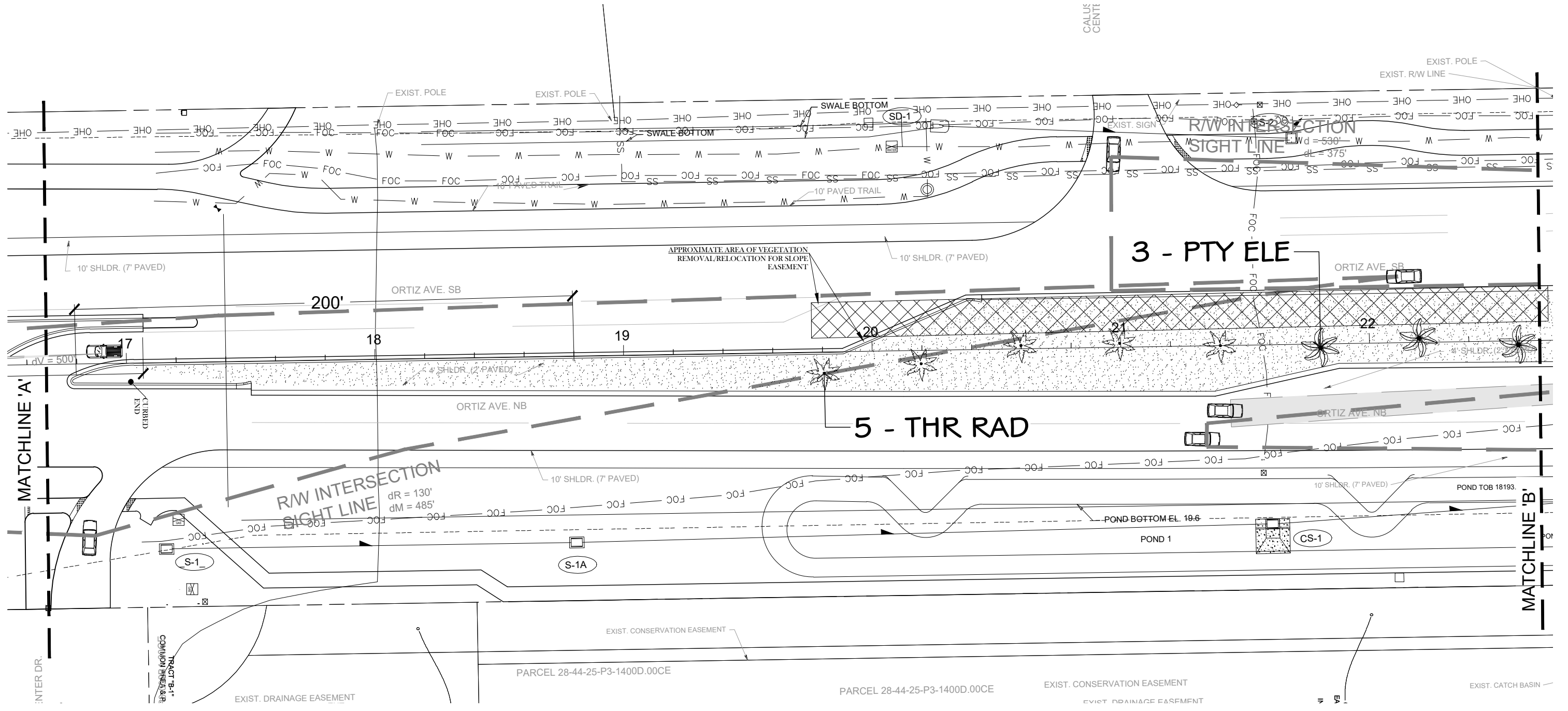


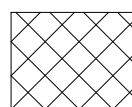
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ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

SHEET NO.
7

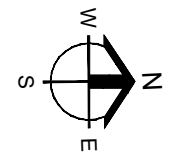
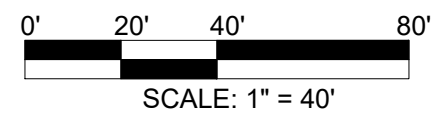
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 Area of existing vegetation removal.

45 MPH DESIGN SPEED

24' Horizontal clear recoverable area.



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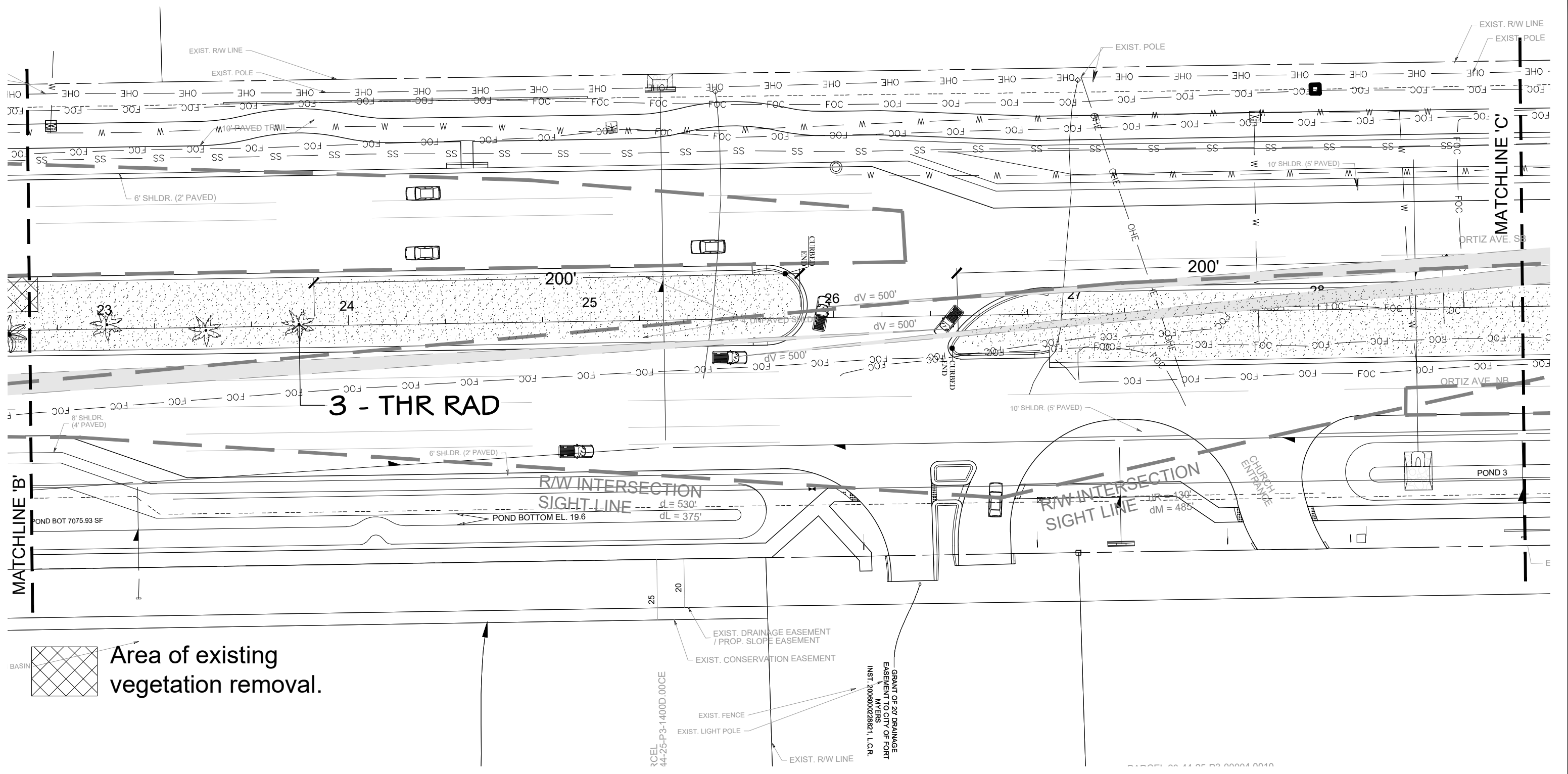


LEE COUNTY
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ORTIZ AVENUE WIDENING

LANDSCAPE PLAN
SHEET NO. 8

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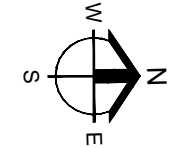
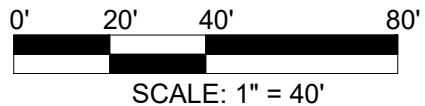
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Area of existing vegetation removal.

24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



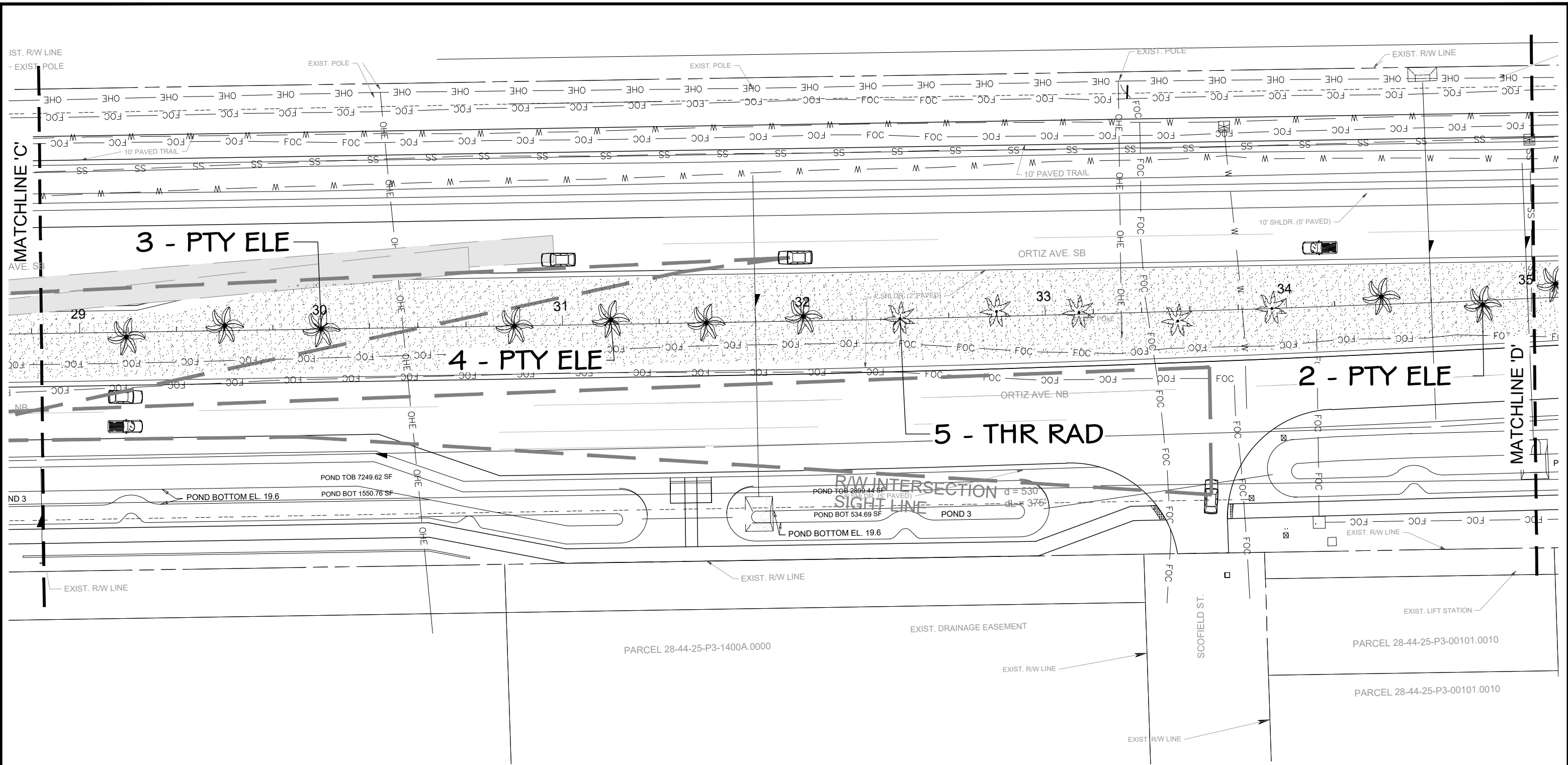
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ORTIZ AVENUE WIDENING

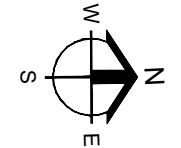
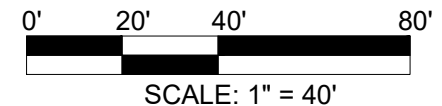
LANDSCAPE PLAN
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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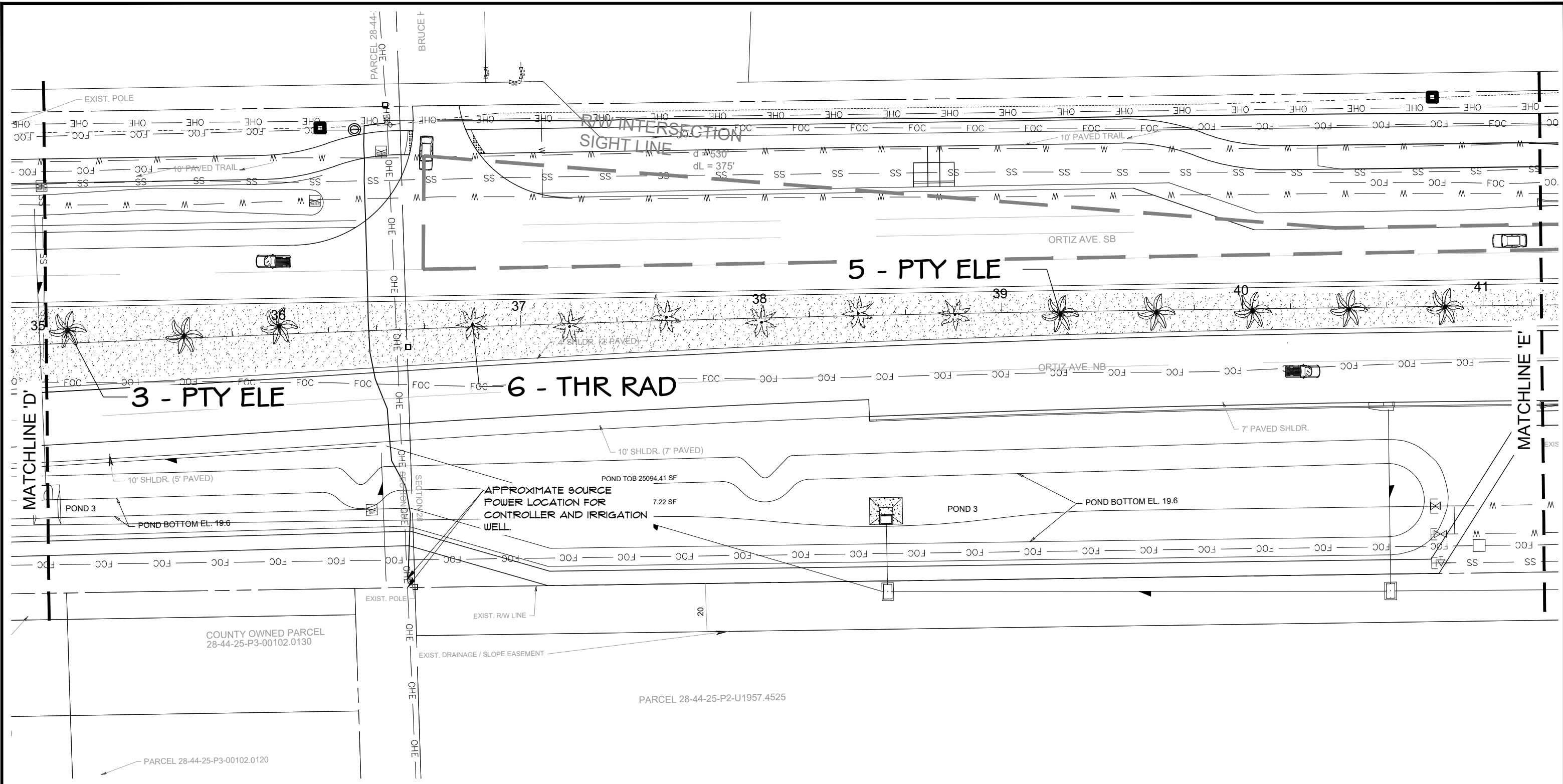


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

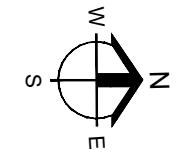
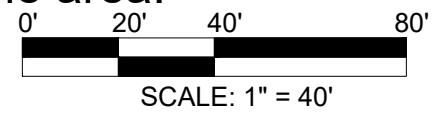
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45 MPH DESIGN SPEED

24' Horizontal clear recoverable area.



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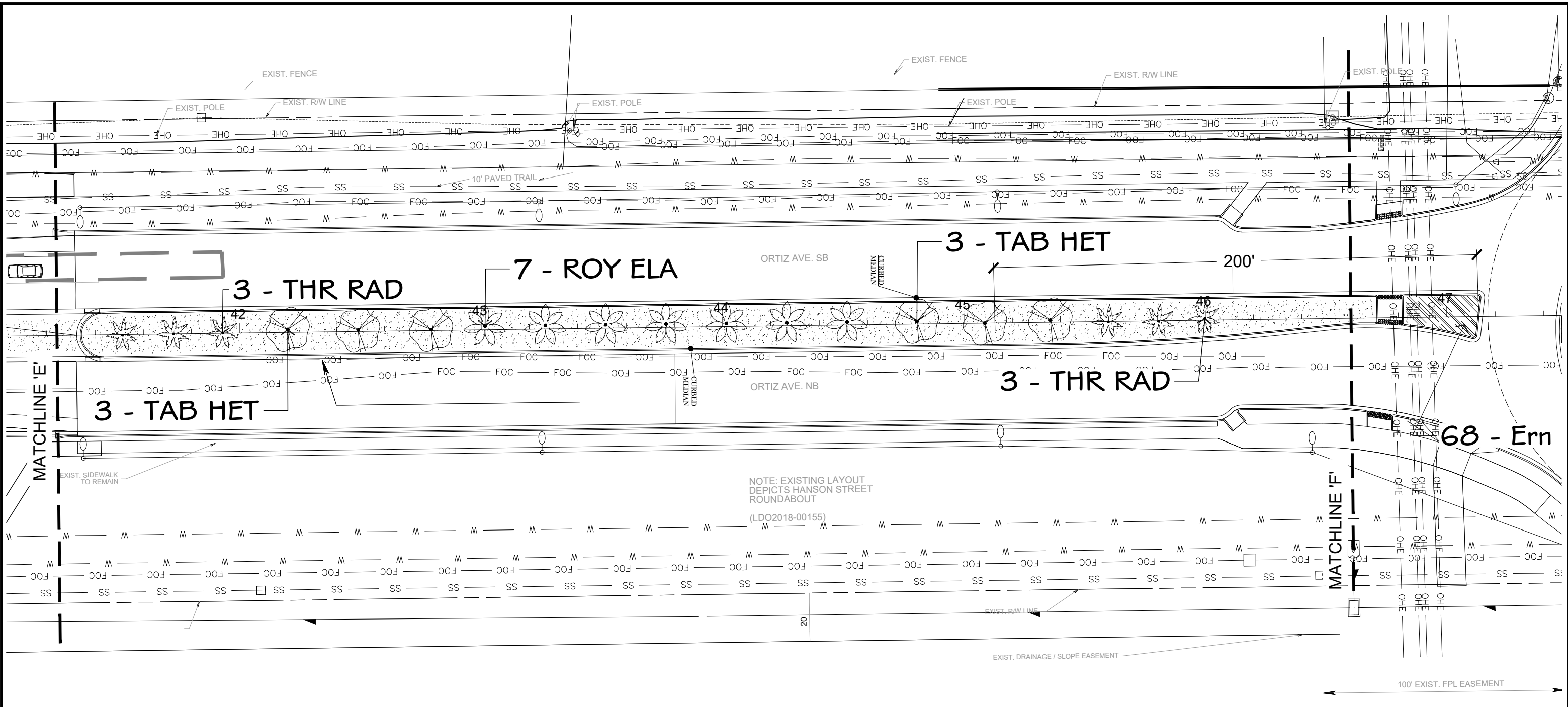
LEE COUNTY
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ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

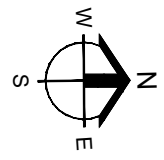
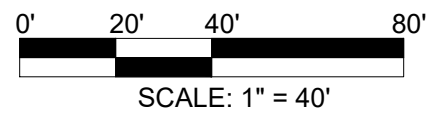
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



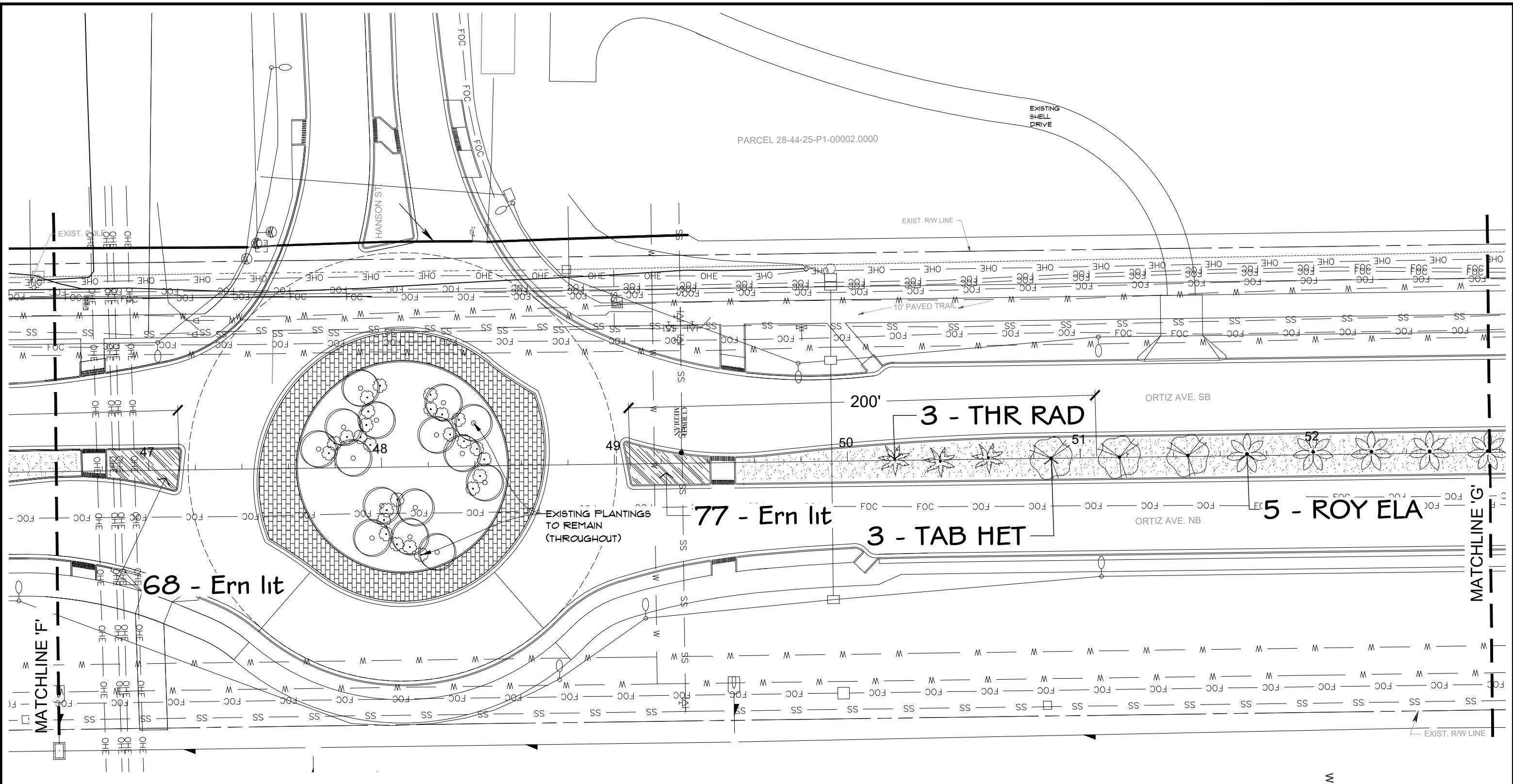
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

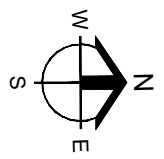
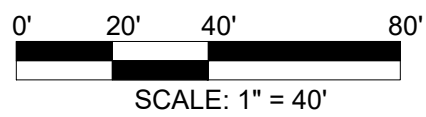
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45 MPH DESIGN SPEED

24' Horizontal clear recoverable area.



REVISIONS	
DATE	DESCRIPTION



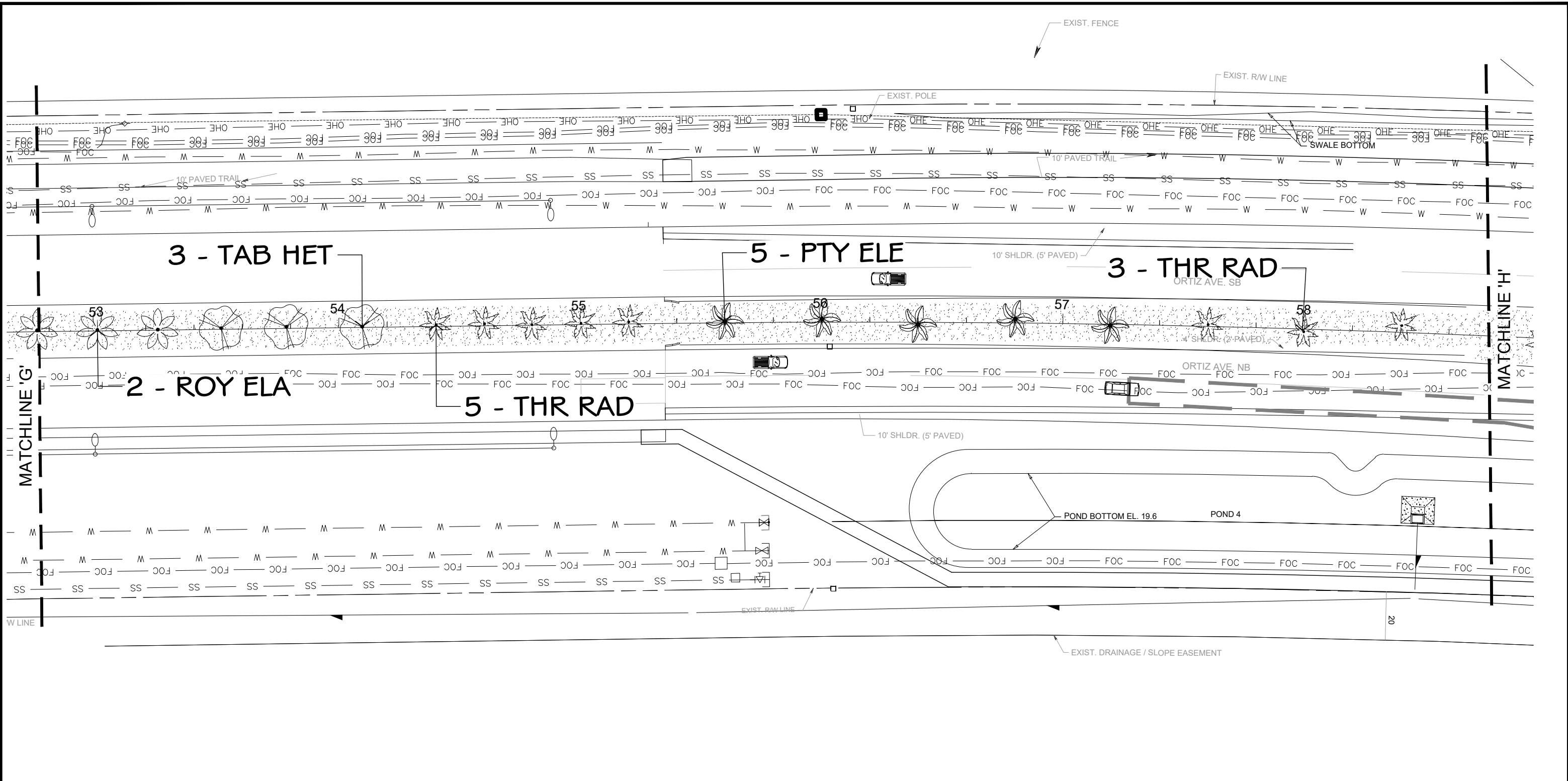
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

ROUND-A-BOUT MEDIAN
ENLARGEMENT @ HANSON ST.

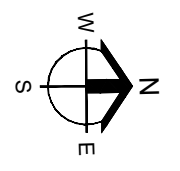
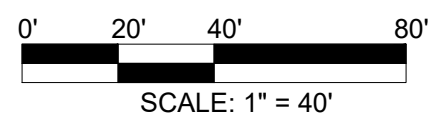
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION

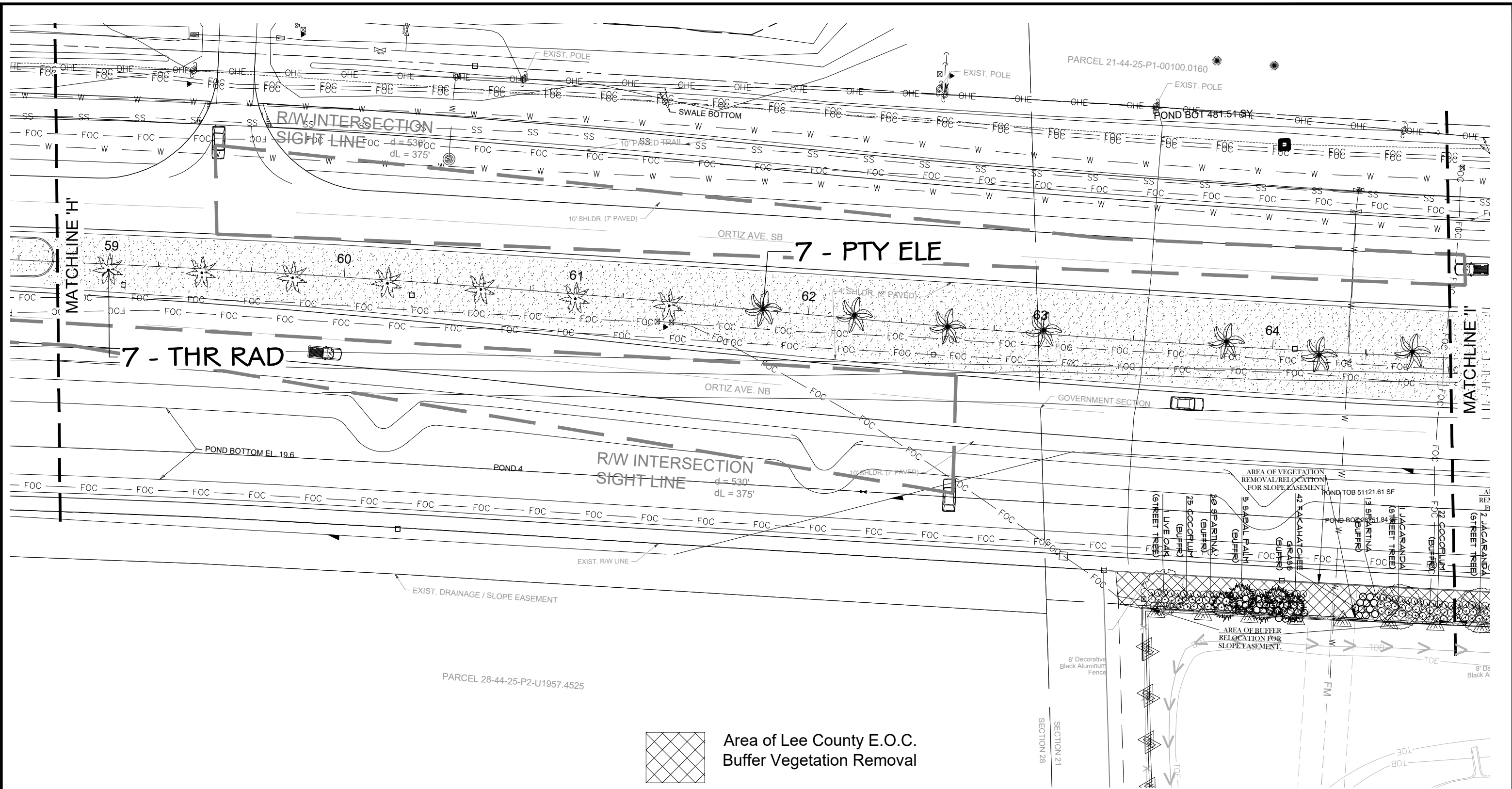


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

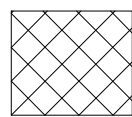
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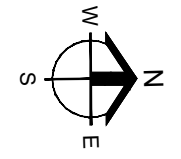
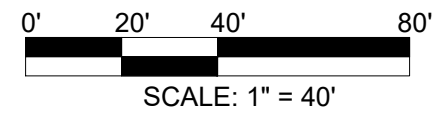
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED

 Area of Lee County E.O.C. Buffer Vegetation Removal



REVISIONS	
DATE	DESCRIPTION

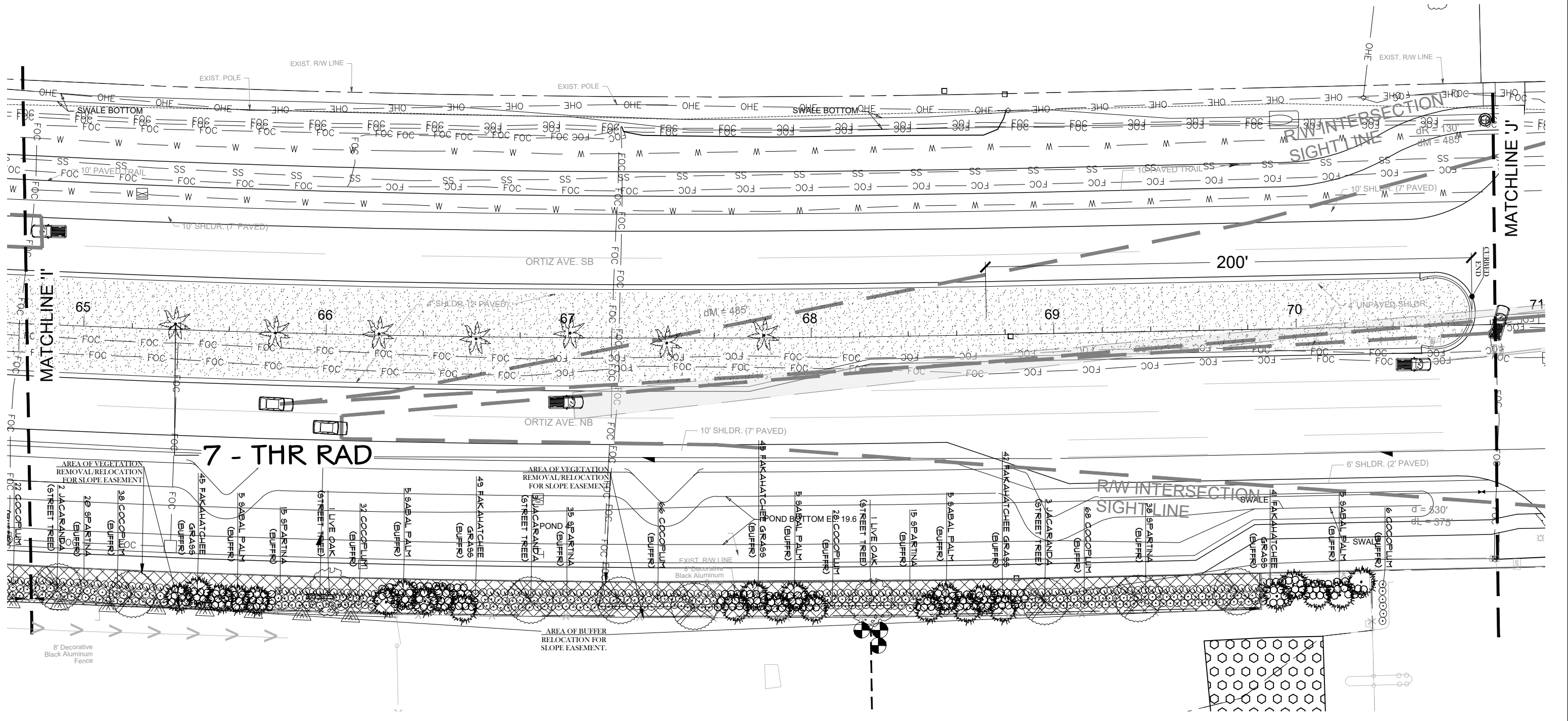


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

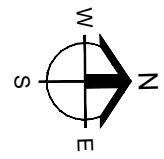
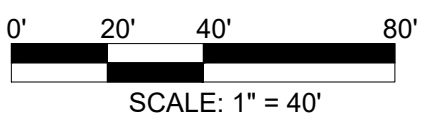
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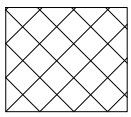


7 - THR RAD

45 MPH DESIGN SPEED



24' Horizontal clear recoverable area.

 Area of Lee County E.O.C. Buffer Vegetation Removal

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



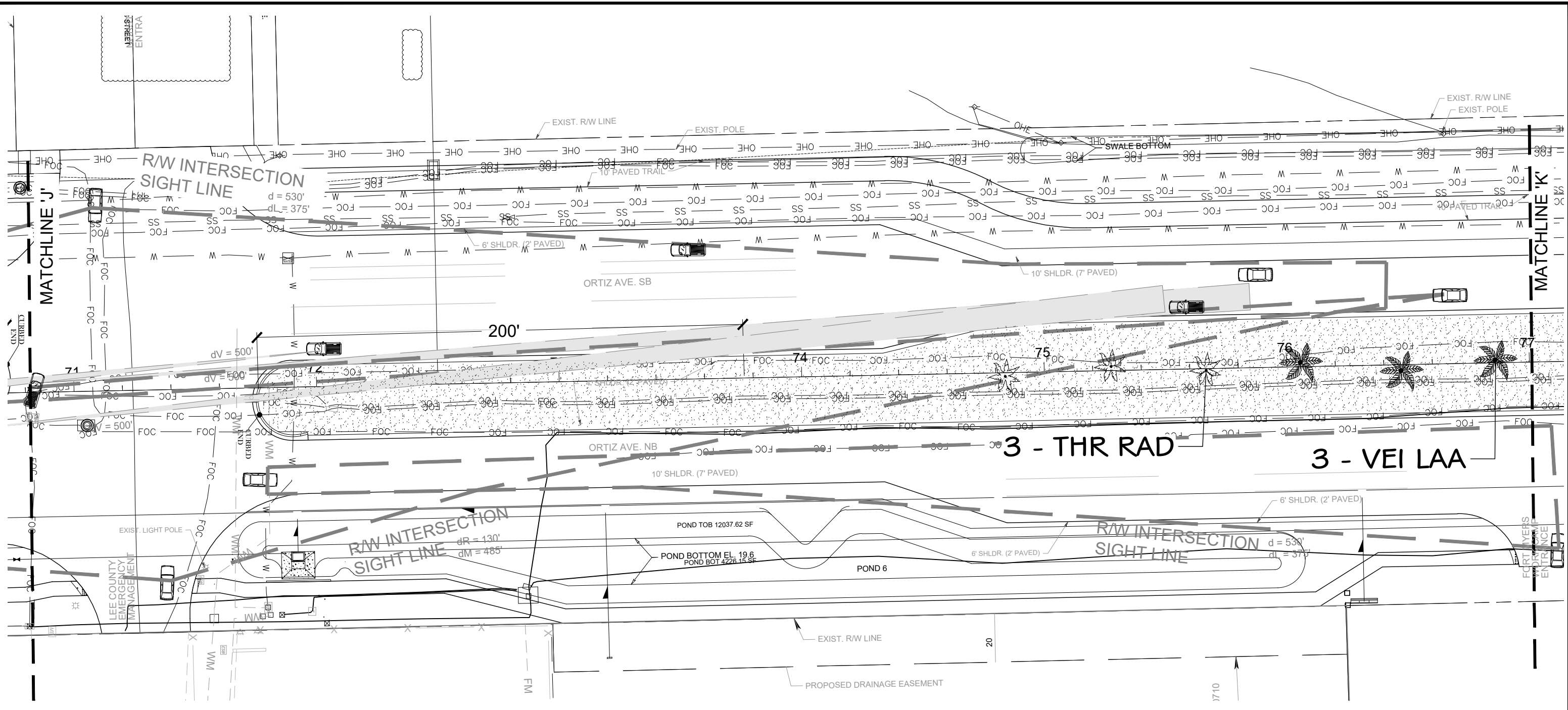
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

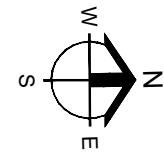
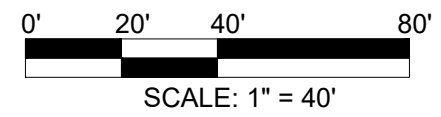
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION



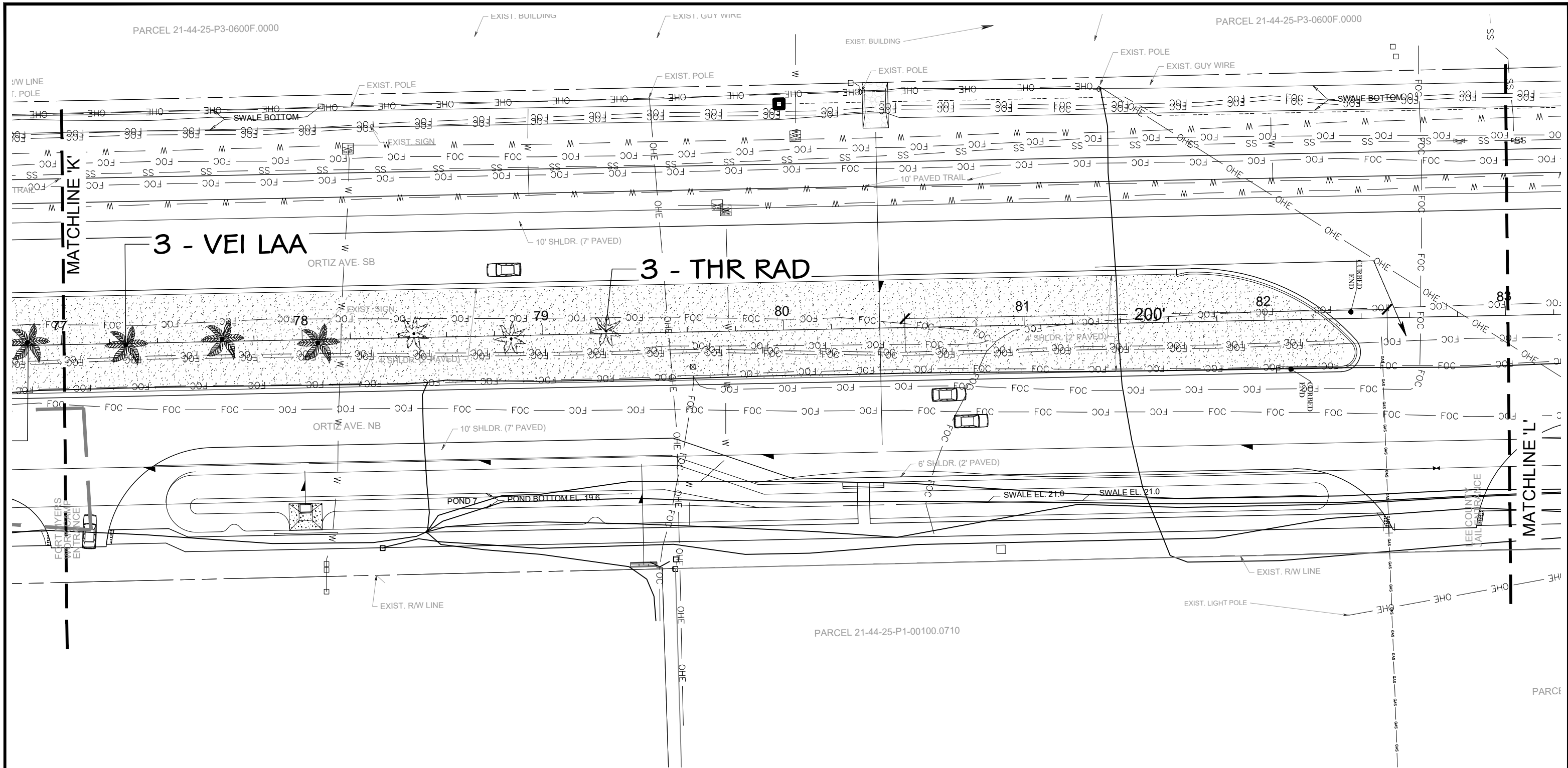
LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

SHEET NO.
17

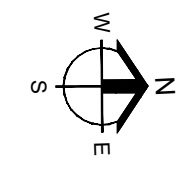
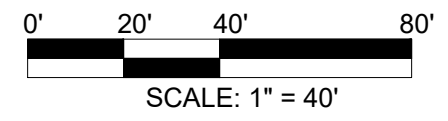
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



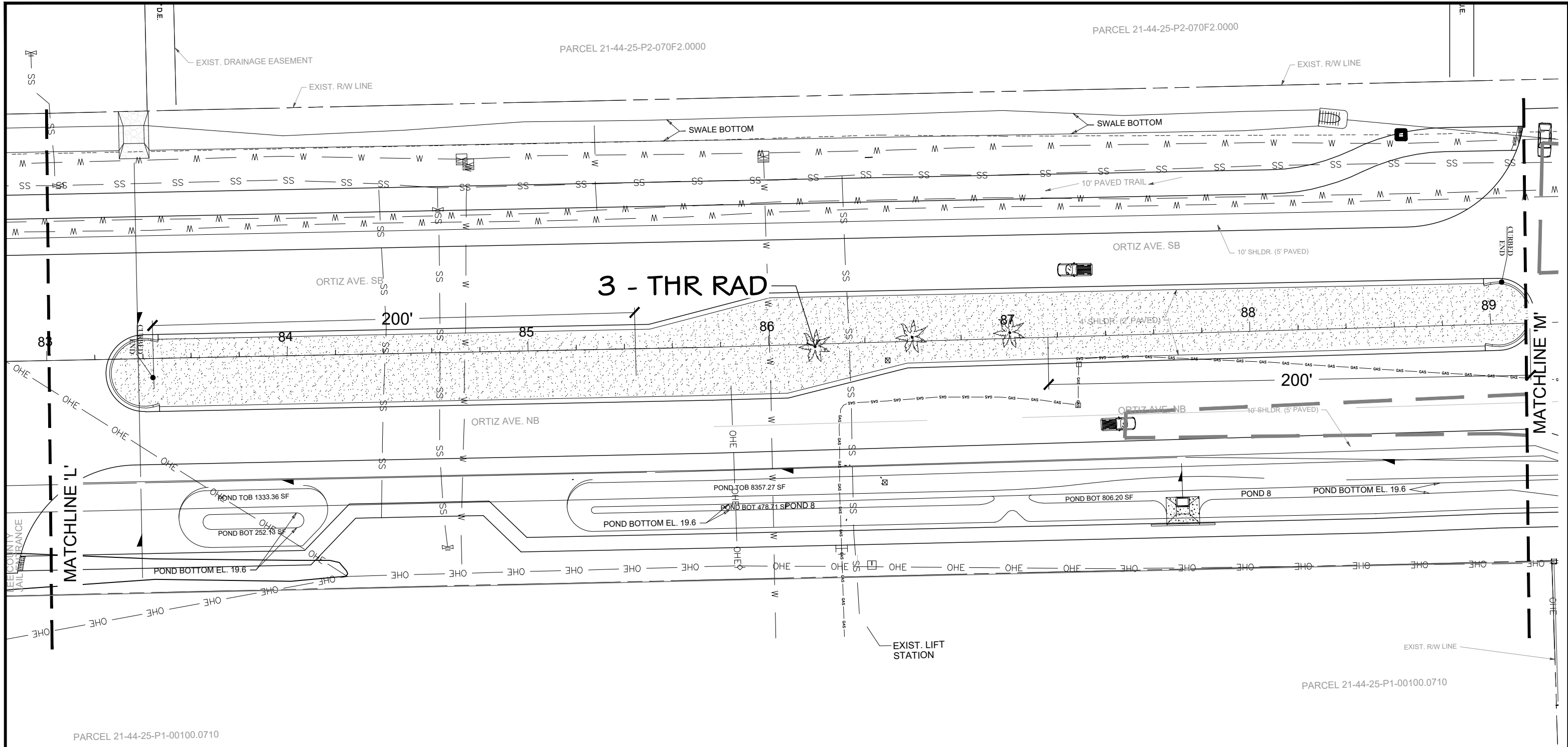
LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

SHEET NO.
18

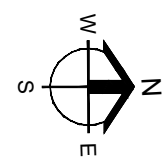
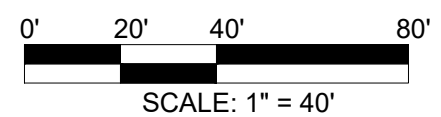
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION

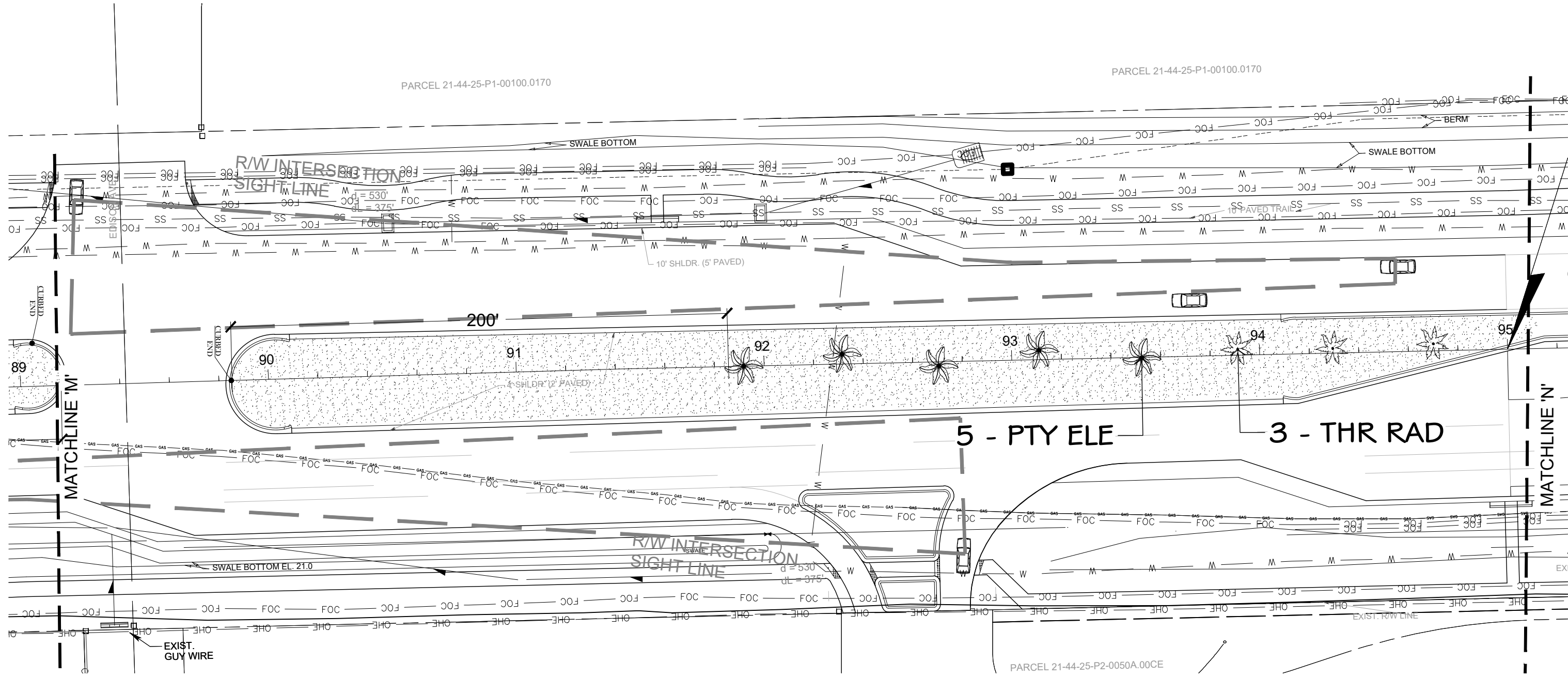


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

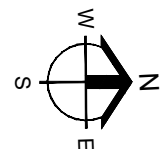
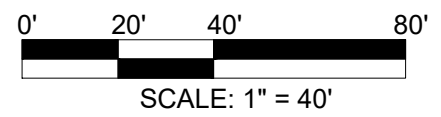
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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DATE	DESCRIPTION



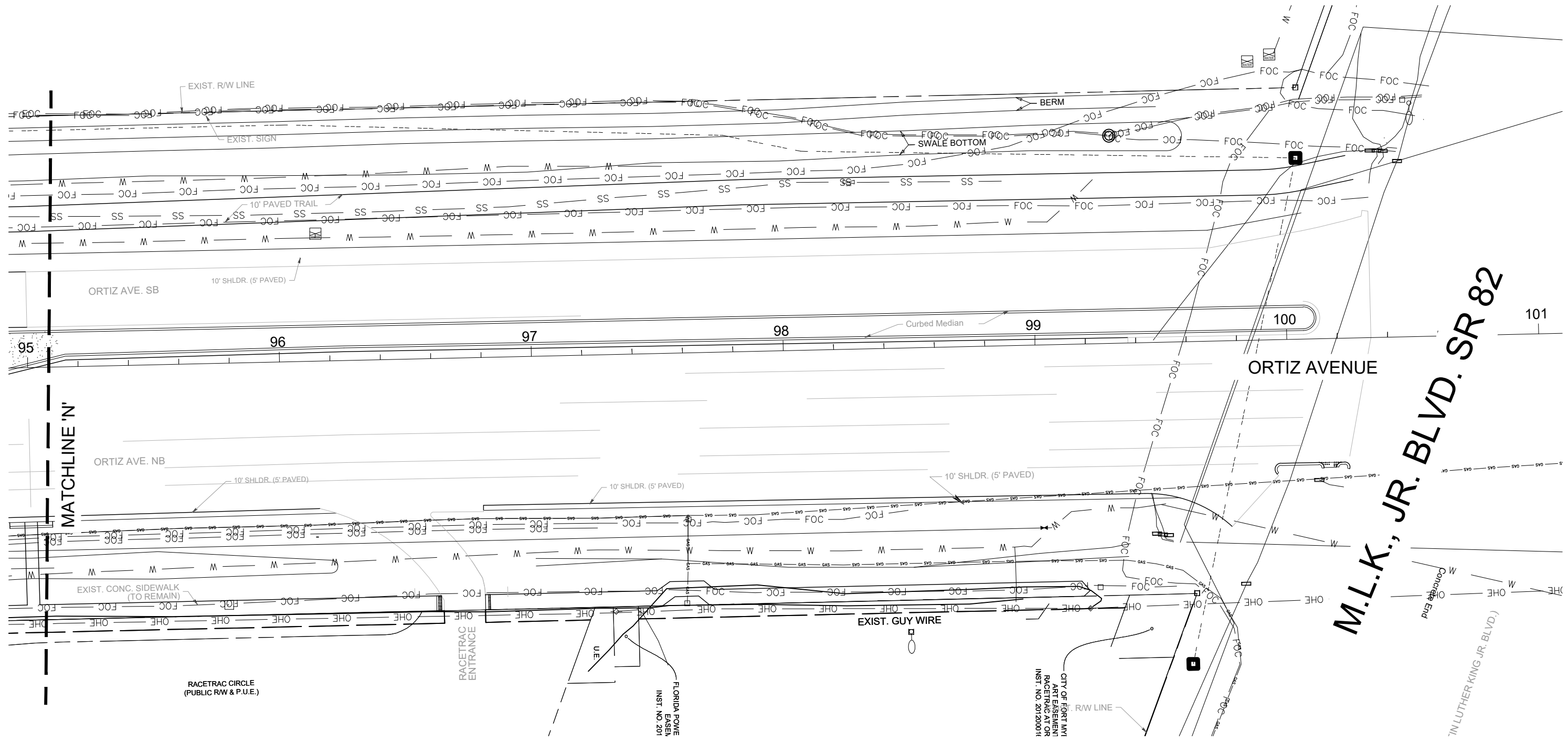
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

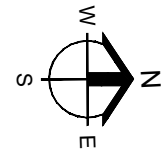
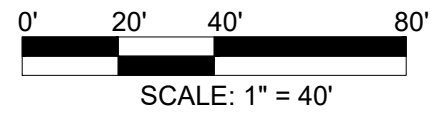
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION



LEE COUNTY
DEPARTMENT OF TRANSPORTATION

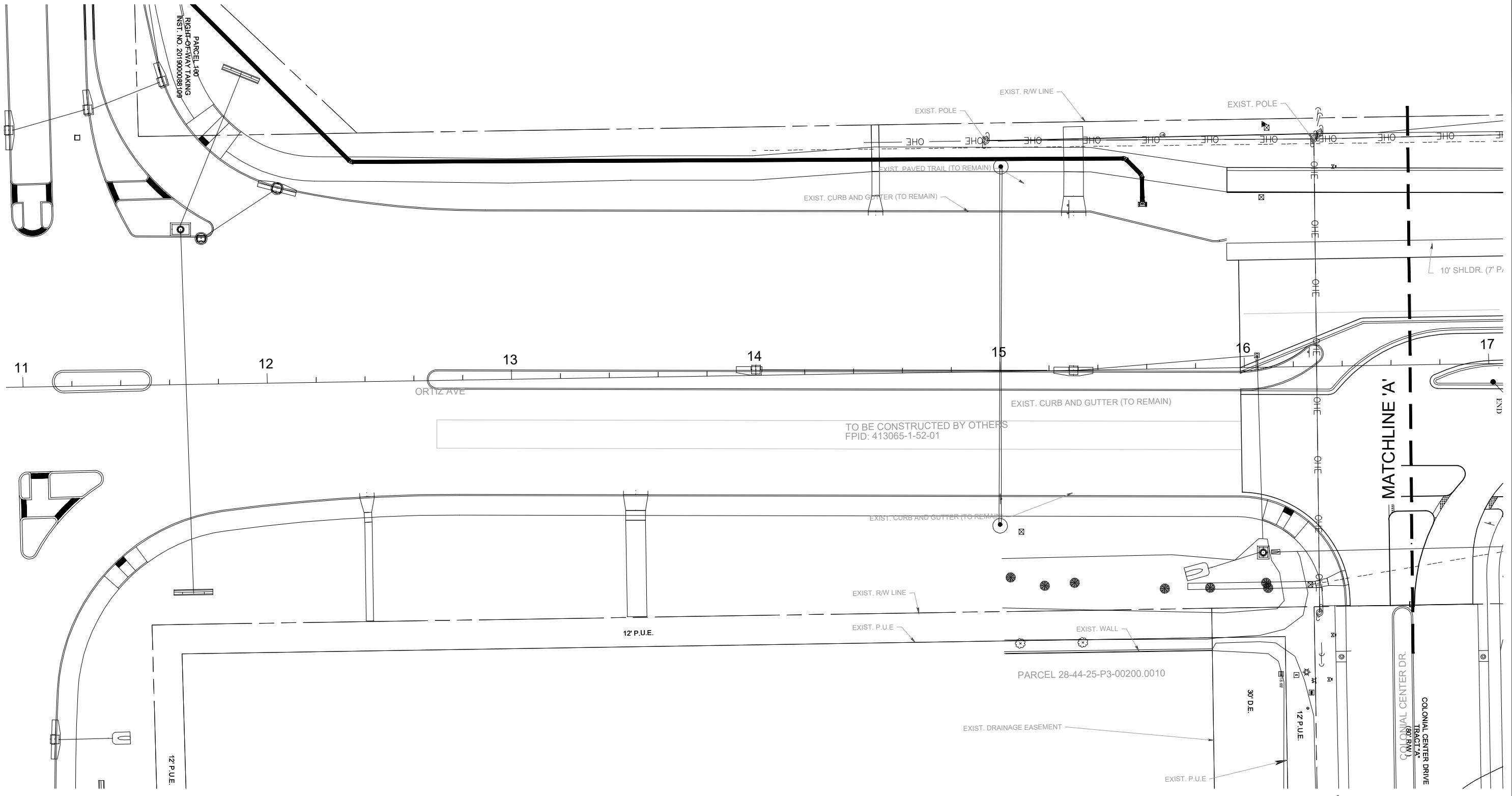
ORTIZ AVENUE WIDENING

LANDSCAPE PLAN

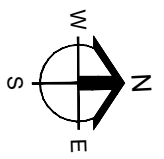
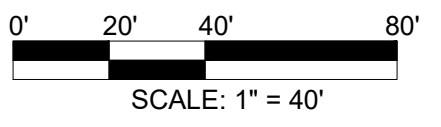
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COLONIAL BLVD., SR 882



45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION



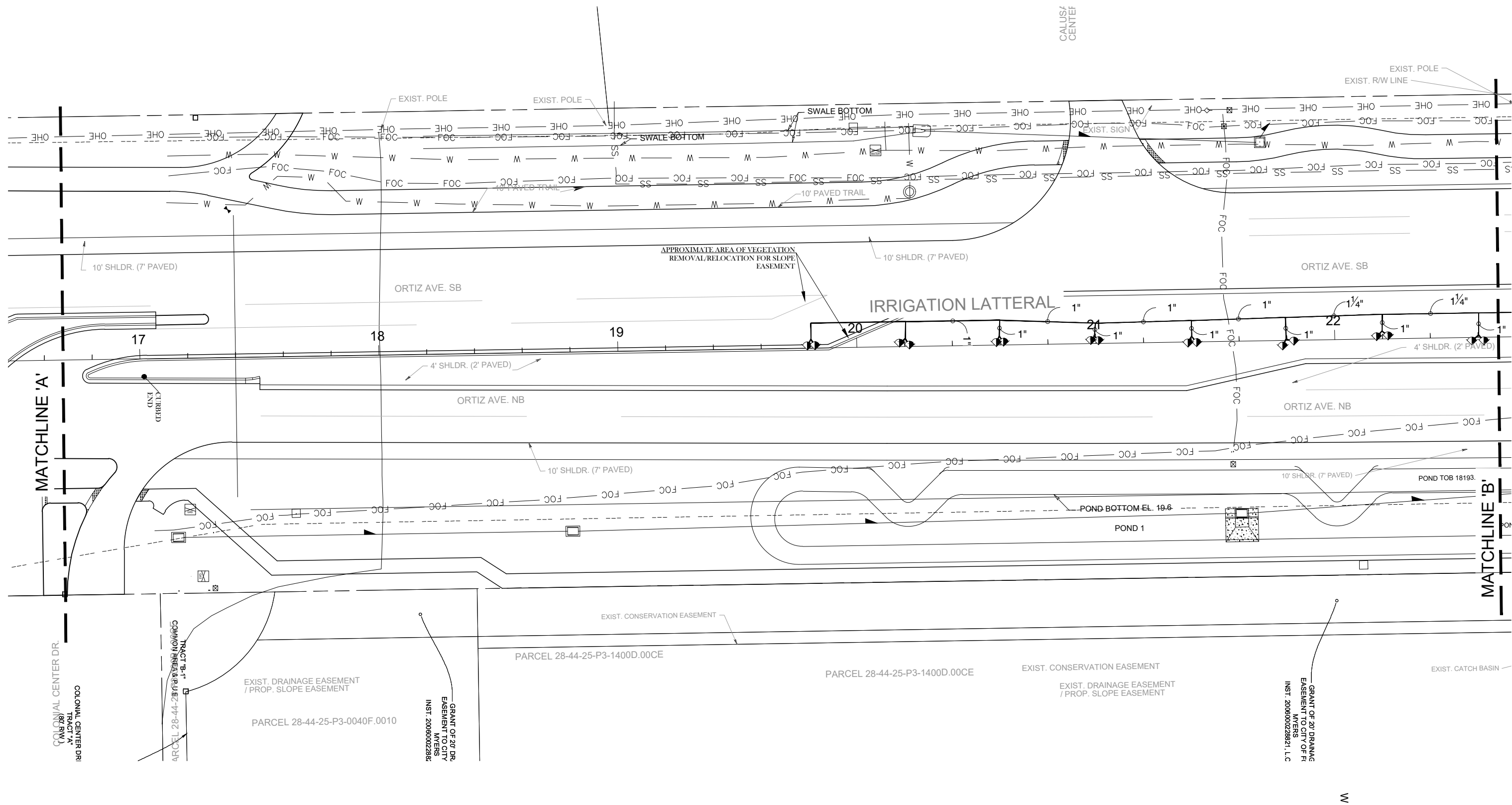
LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION PLAN

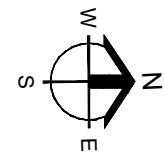
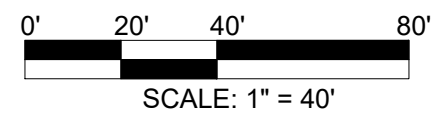
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DATE	DESCRIPTION	DATE	DESCRIPTION



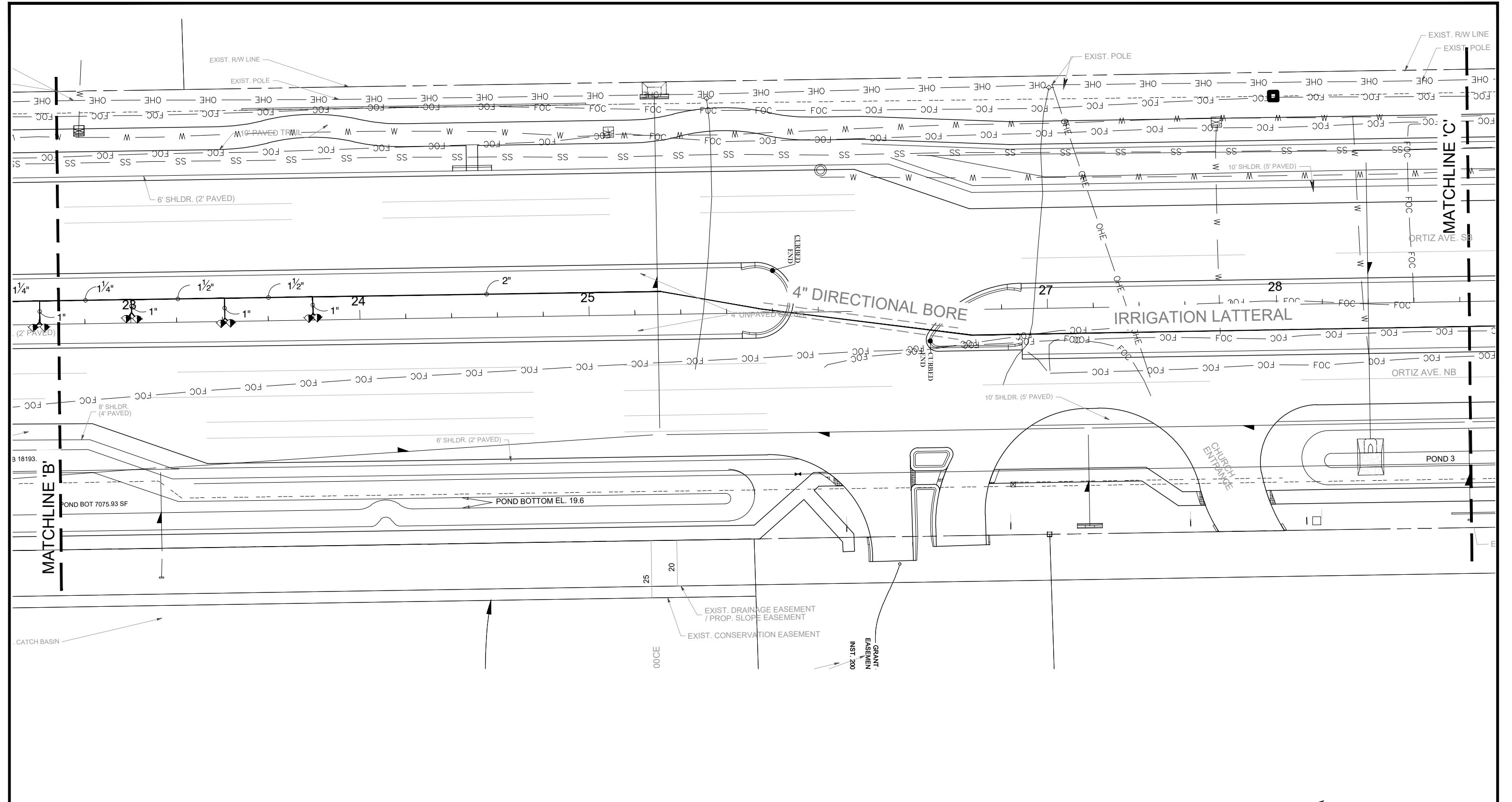
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DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION PLAN

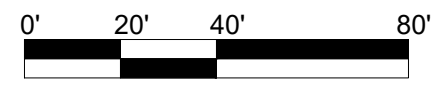
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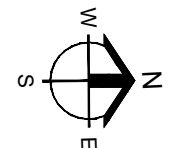
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45 MPH DESIGN SPEED



SCALE: 1" = 40'



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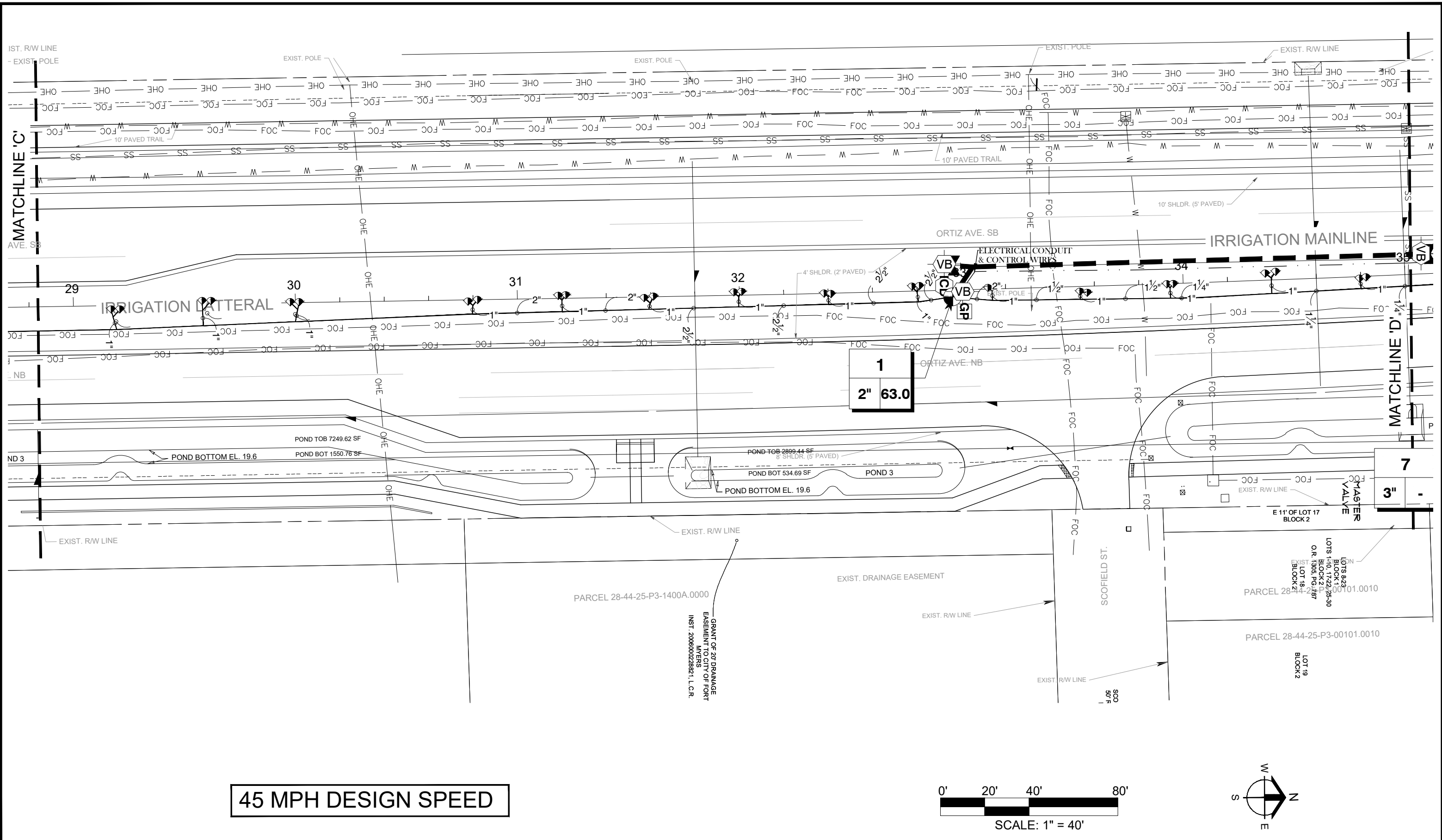


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

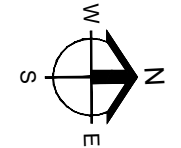
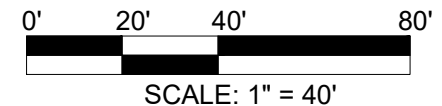
IRRIGATION PLAN

SHEET NO.
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DATE	DESCRIPTION

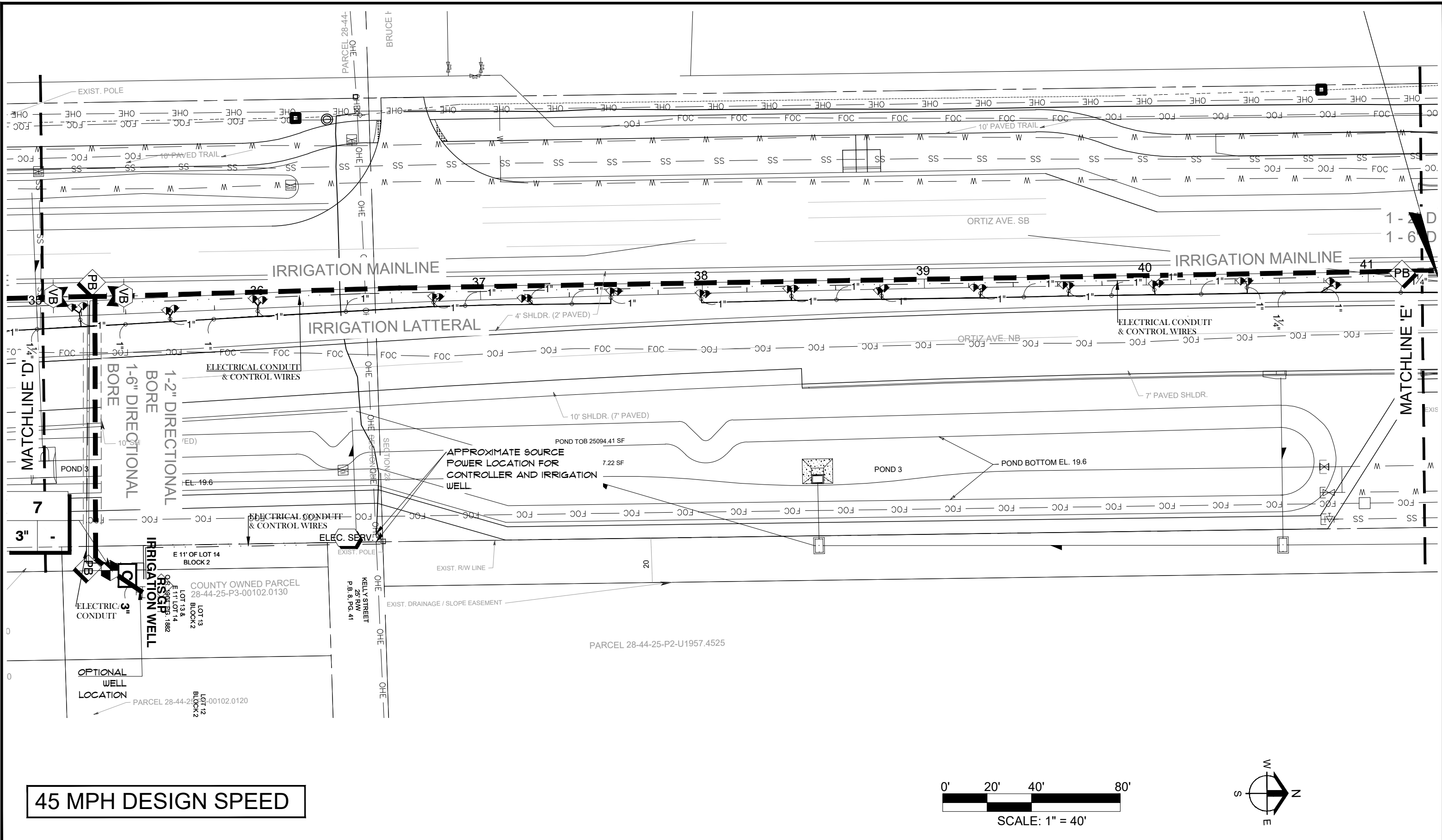


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

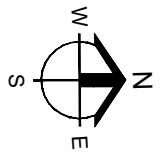
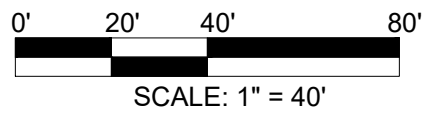
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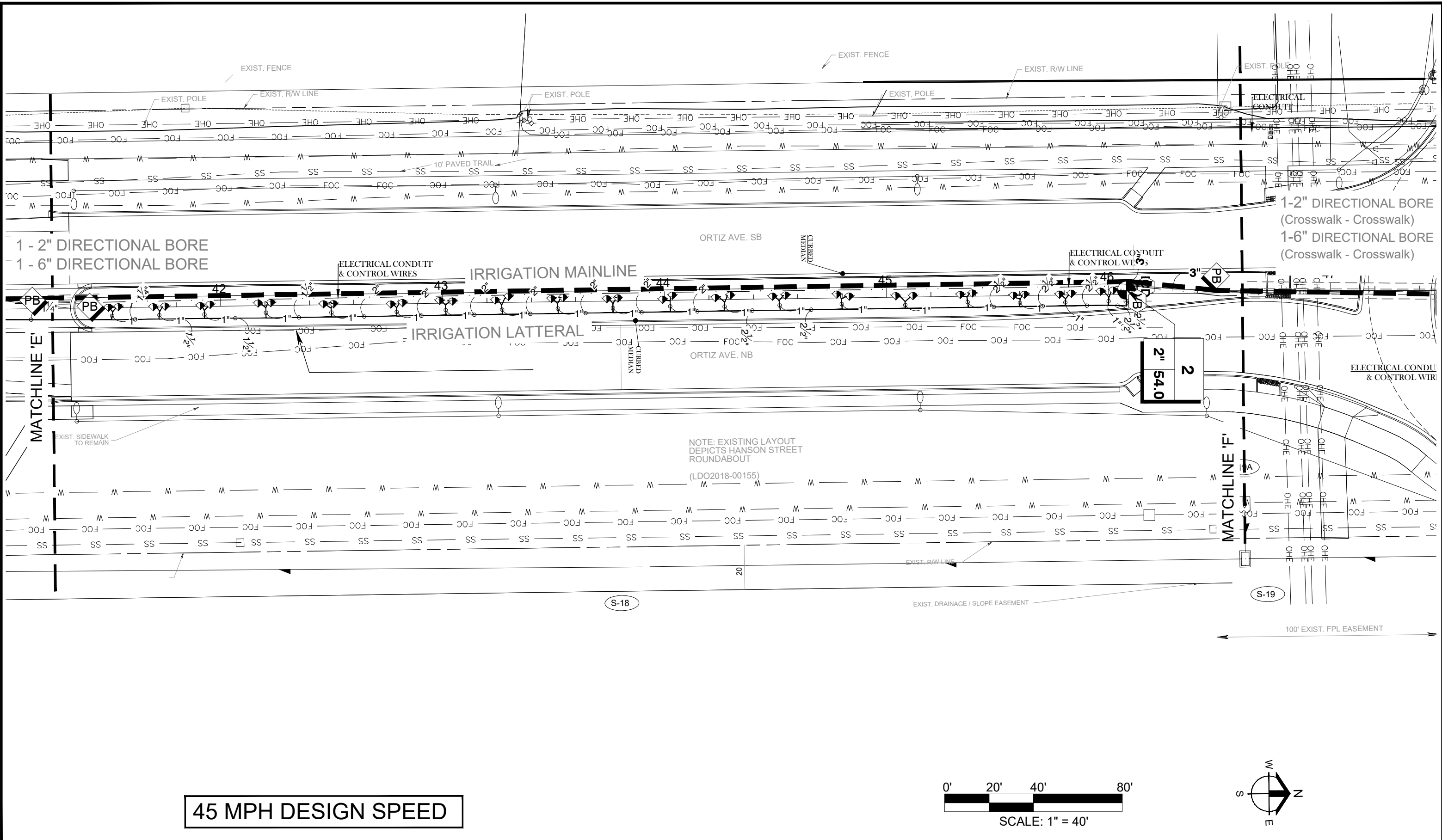


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION PLAN

SHEET NO.
26

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45 MPH DESIGN SPEED

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



LEE COUNTY
DEPARTMENT OF TRANSPORTATION

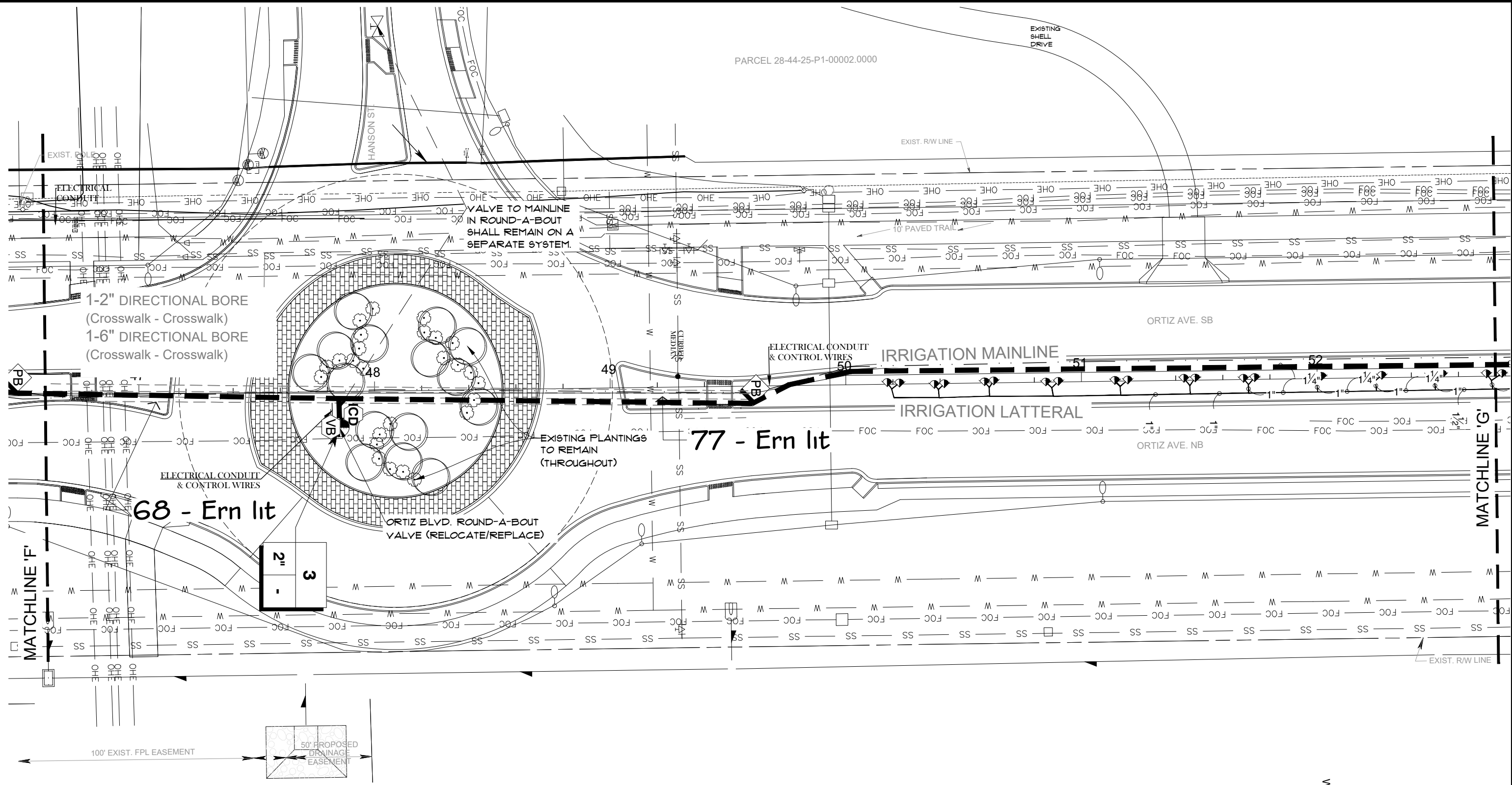
ORTIZ AVENUE WIDENING

IRRIGATION PLAN

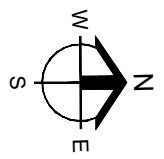
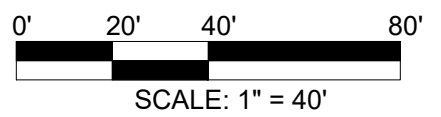
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45 MPH DESIGN SPEED



REVISIONS	
DATE	DESCRIPTION

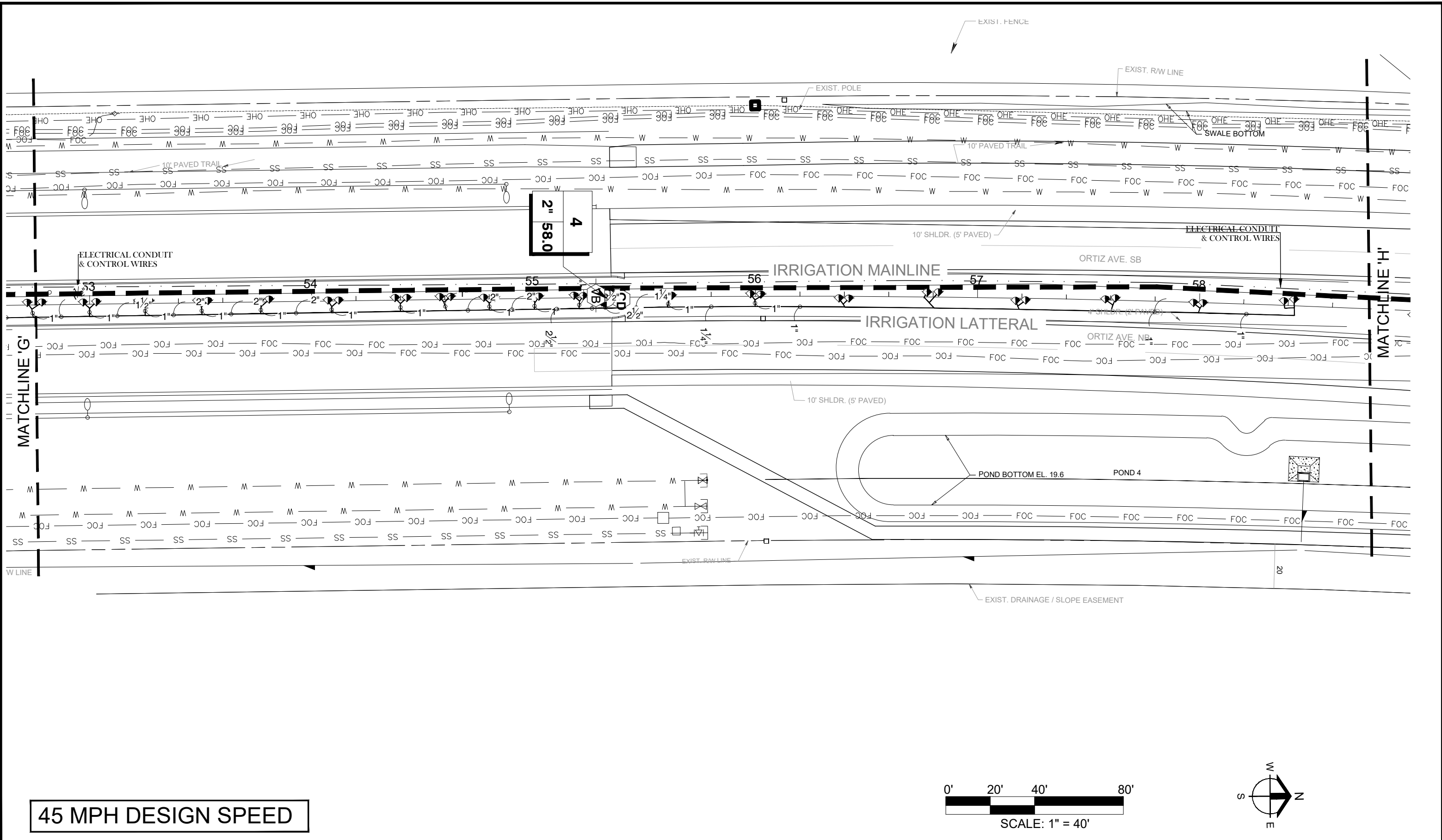


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

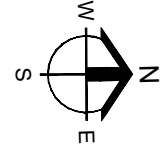
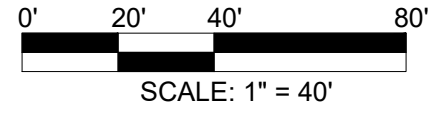
ROUND-A-BOUT MEDIAN @ ORTIZ AVE.

SHEET NO.
28

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45 MPH DESIGN SPEED



REVISIONS			
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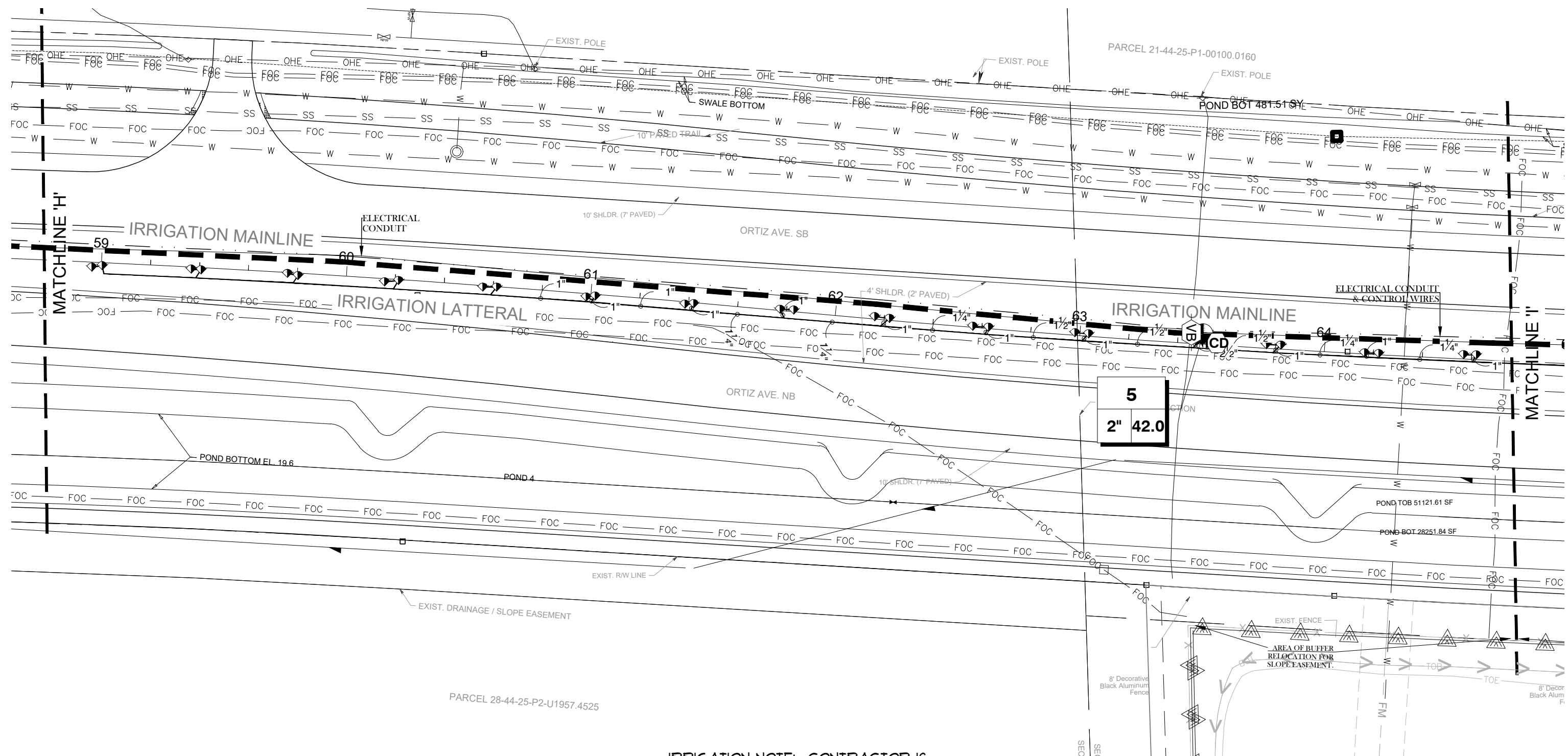


LEE COUNTY
DEPARTMENT OF TRANSPORTATION
ORTIZ AVENUE WIDENING

IRRIGATION PLAN

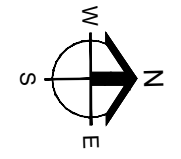
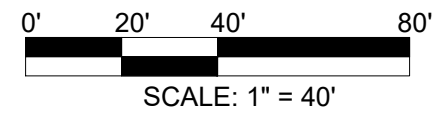
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45 MPH DESIGN SPEED

IRRIGATION NOTE: CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF IRRIGATION COMPONENTS TO SUPPLY LEE COUNTY E.O.C. RELOCATED OR REPLACED BUFFER VEGETATION WITH SUPPLEMENTAL WATER.



REVISIONS	
DATE	DESCRIPTION



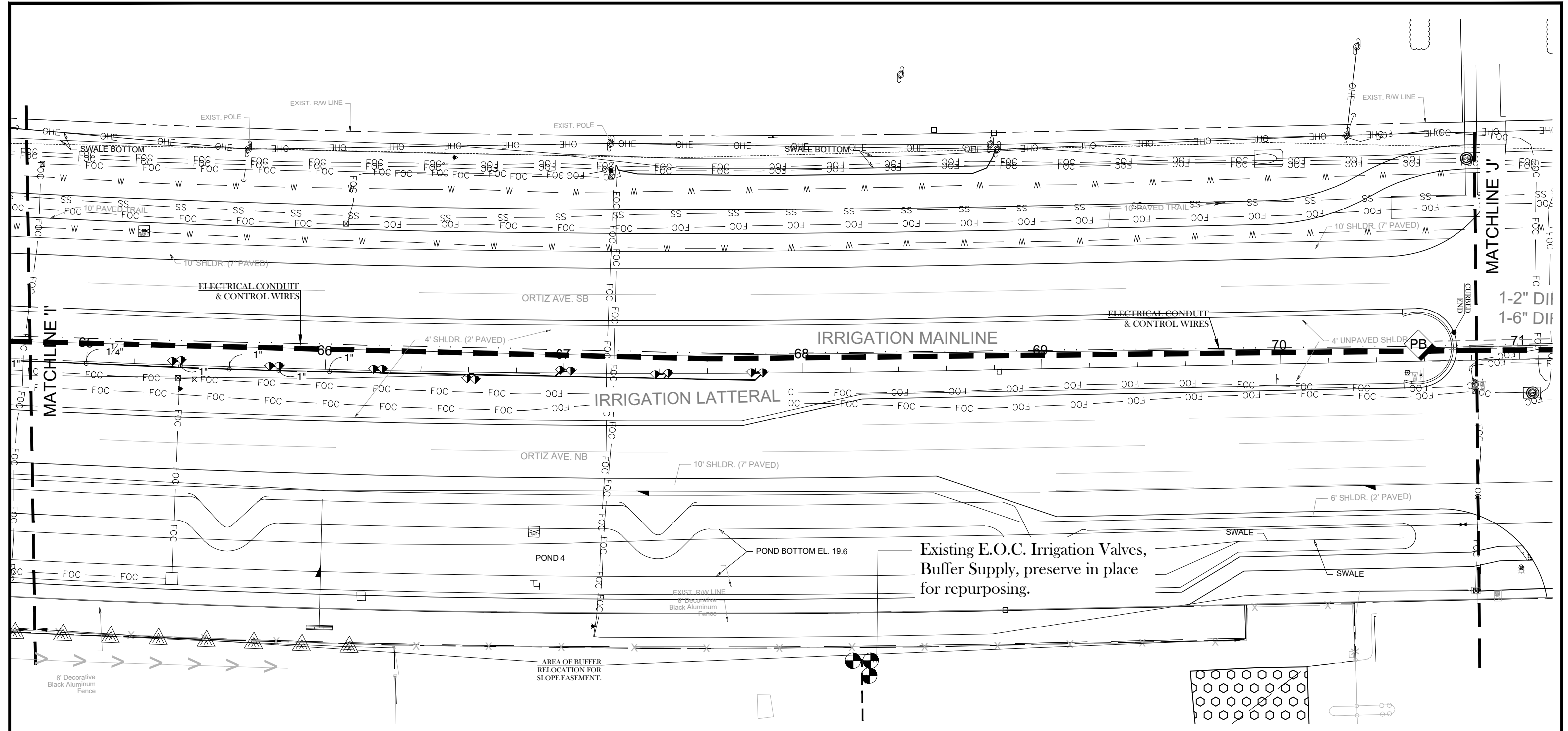
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

IRRIGATION PLAN

SHEET NO.
30

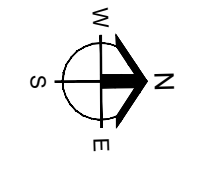
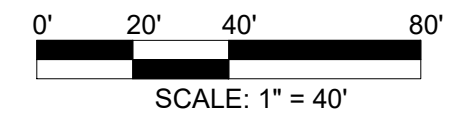
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED

IRRIGATION NOTE: CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF IRRIGATION COMPONENTS TO SUPPLY LEE COUNTY E.O.C. RELOCATED OR REPLACED BUFFER VEGETATION WITH SUPPLEMENTAL WATER.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

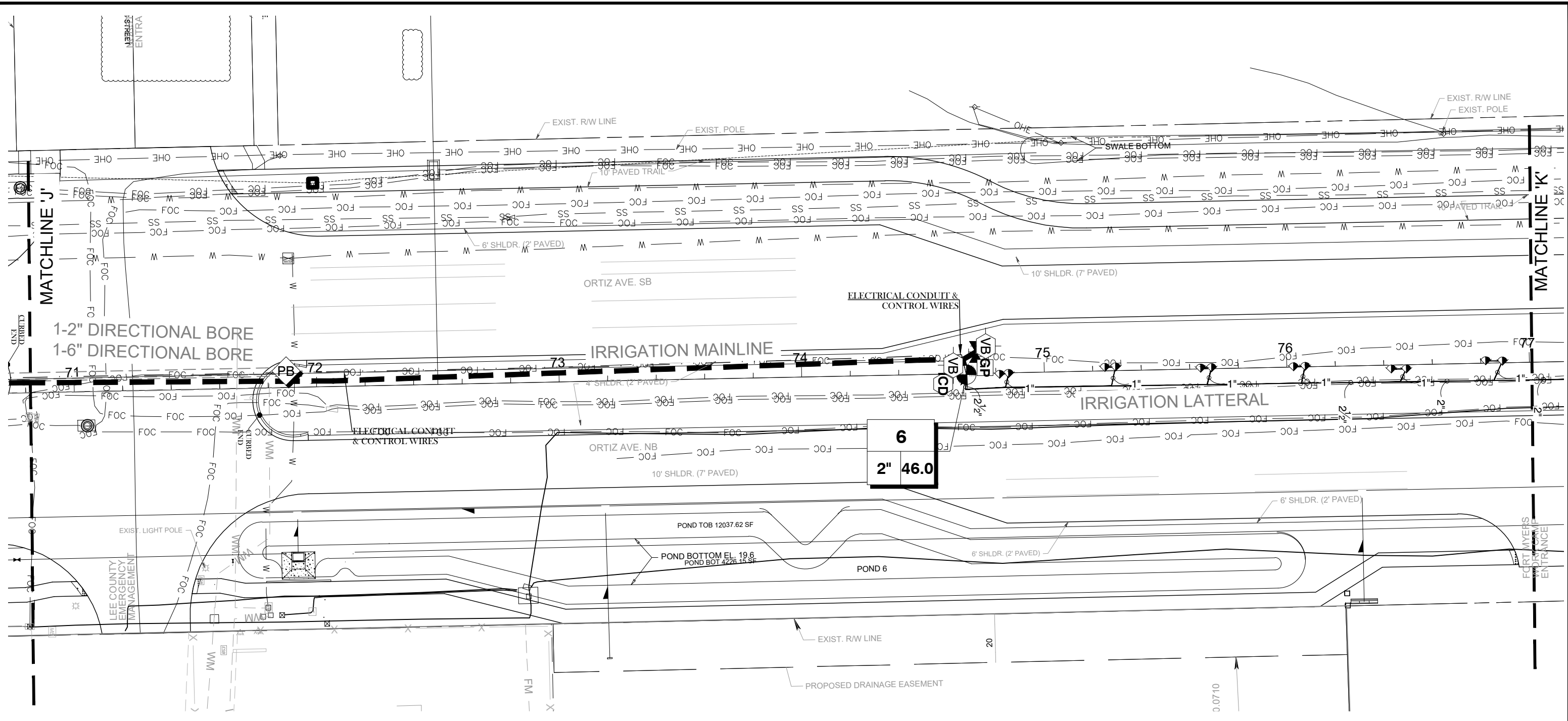


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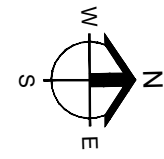
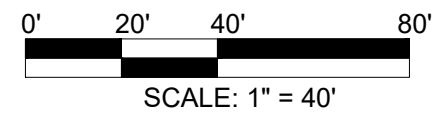
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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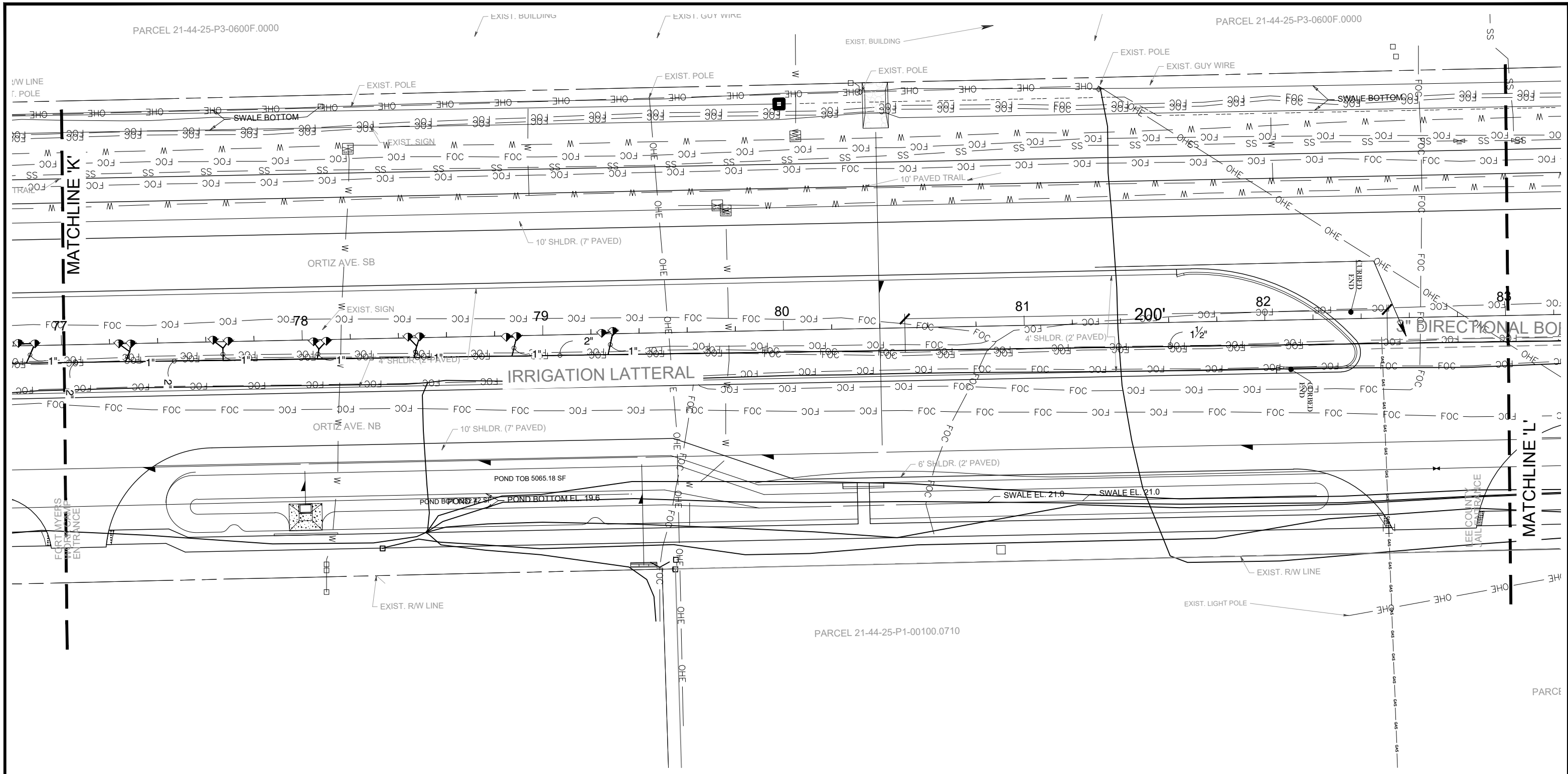
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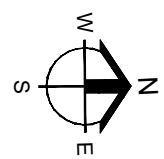
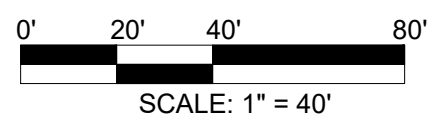
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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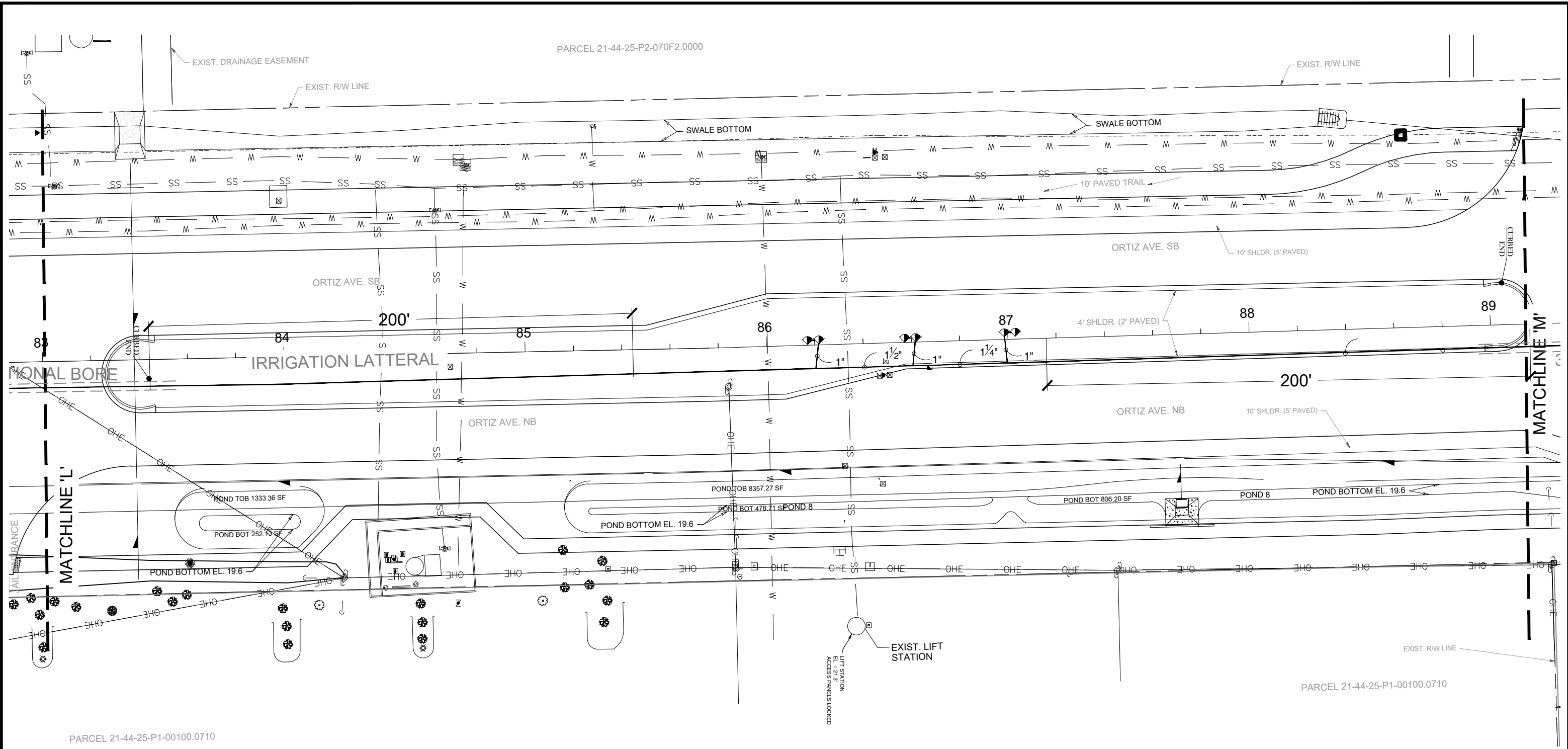
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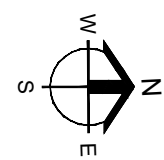
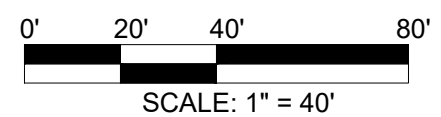
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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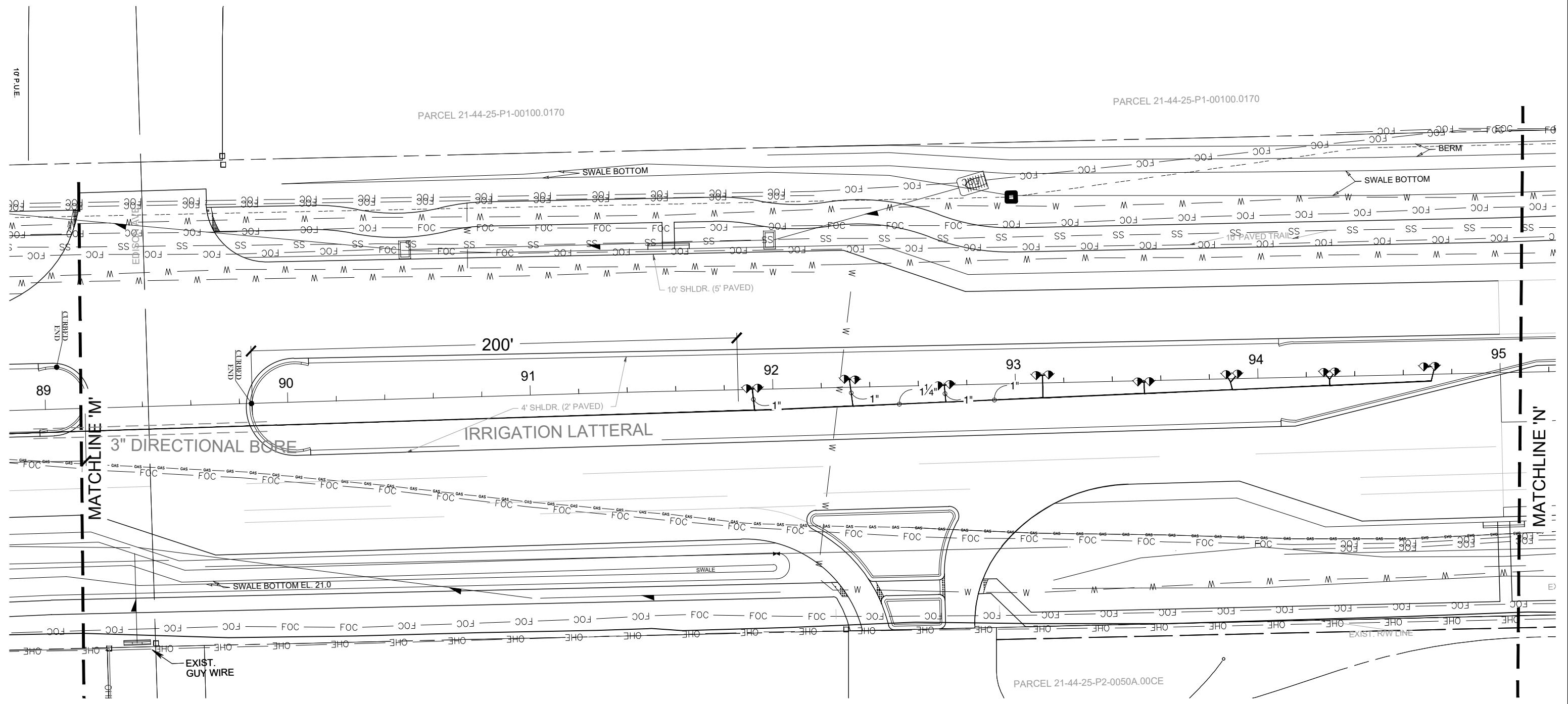


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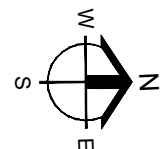
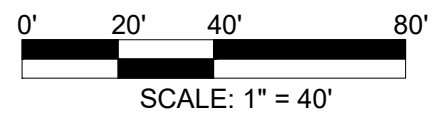
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24' Horizontal clear recoverable area.

45 MPH DESIGN SPEED



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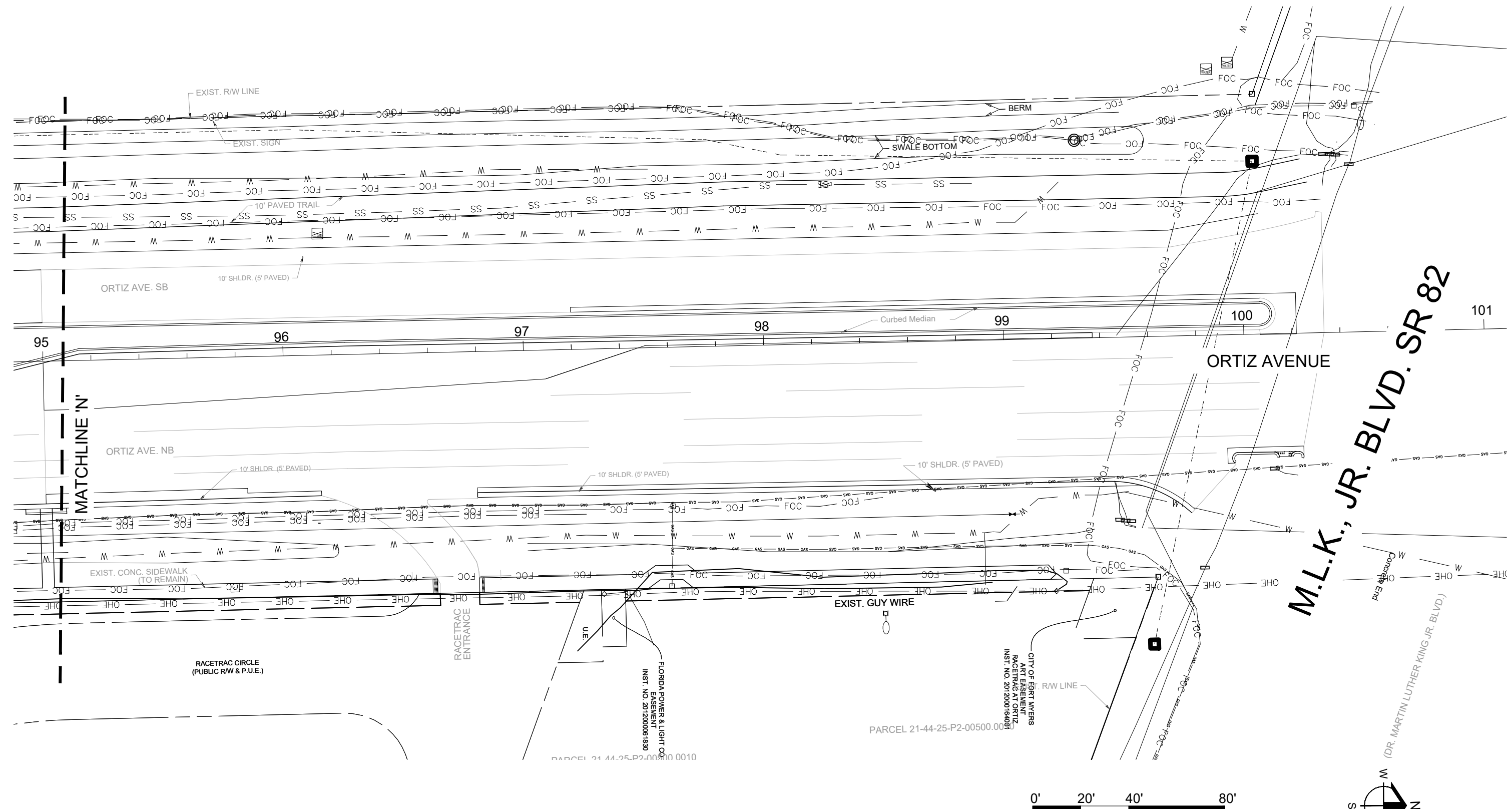
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ORTIZ AVENUE WIDENING

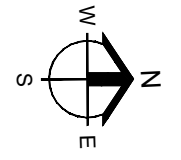
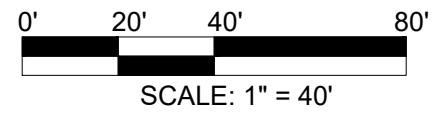
IRRIGATION PLAN

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45 MPH DESIGN SPEED



M.L.K., JR. BLVD. SR 82
 (DR. MARTIN LUTHER KING JR. BLVD.)

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IRRIGATION PLAN

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