

COMPONENTS OF CONTRACT PLANS SET

Sidewalk Plans

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF SIDEWALK PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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29	STORMWATER POLLUTION PREVENTION PLAN

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, July FY2022-23 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/roadway/DesignStandards/Standards.shtm>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

BOARD OF COUNTY COMMISSIONERS

BOB DALLARI	DISTRICT 1
JAY ZEMBOWER	DISTRICT 2
LEE CONSTANTINE	DISTRICT 3
AMY LOCKHART	DISTRICT 4
ANDRIA HERR	DISTRICT 5

A. BRYANT APPLGATE , INTERIM COUNTY MANAGER

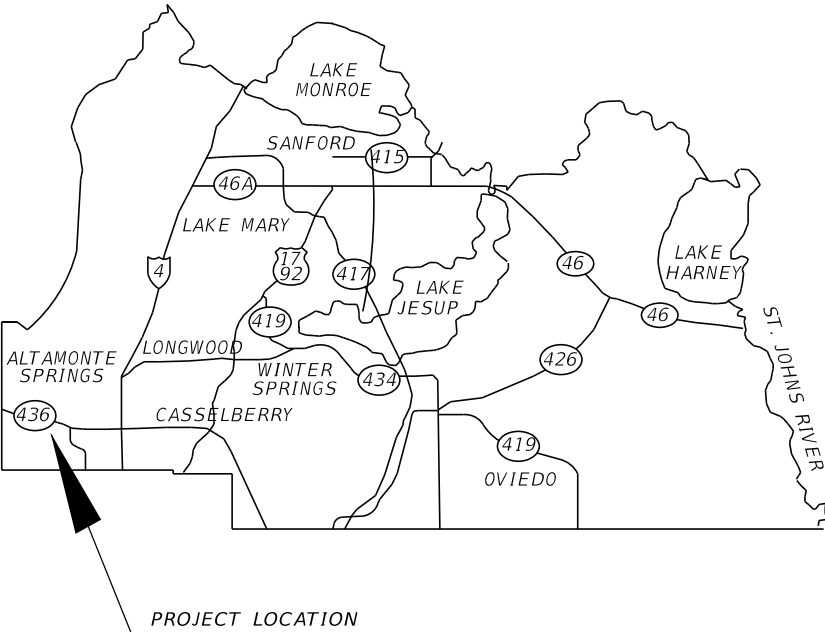
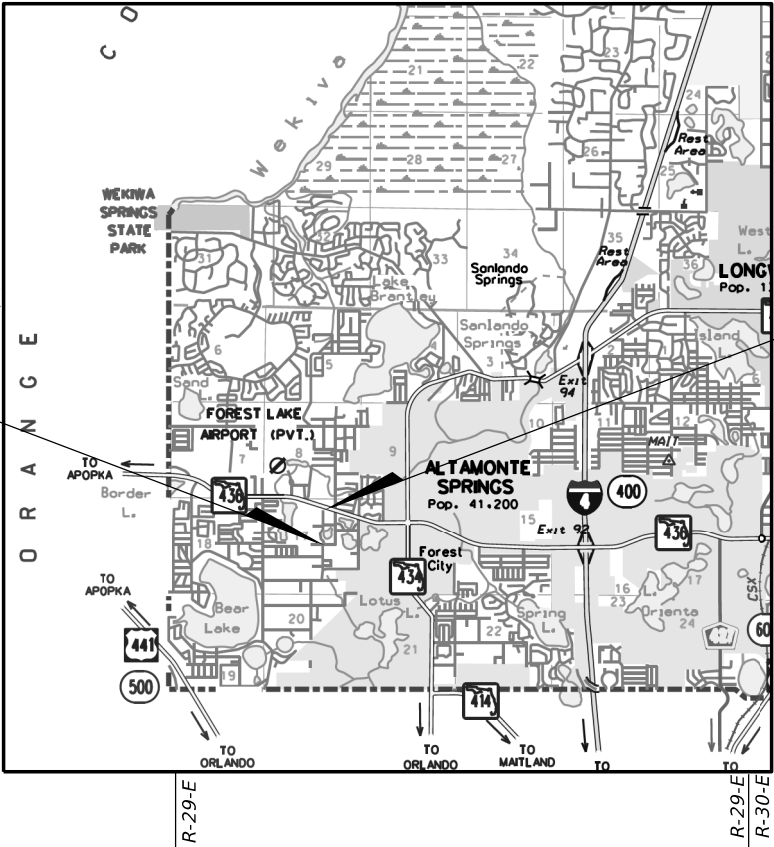
SEMINOLE COUNTY
ENGINEERING DIVISION

CONTRACT PLANS



SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

FOREST LAKE DR SIDEWALK
SEMINOLE COUNTY CIP No. 02107063



ROADWAY PLANS
ENGINEER OF RECORD:
DINO LUCARELLI, P.E. 39556
CHIEF DESIGN ENGINEER
SEMINOLE COUNTY PUBLIC WORKS ENGINEERING
100 E 1ST STREET
SANFORD, FLORIDA 32771
(407) 665-5665 FAX(407) 665-5772


PROJECT LENGTH IS BASED ON \mathcal{Q} OF CONSTRUCTION

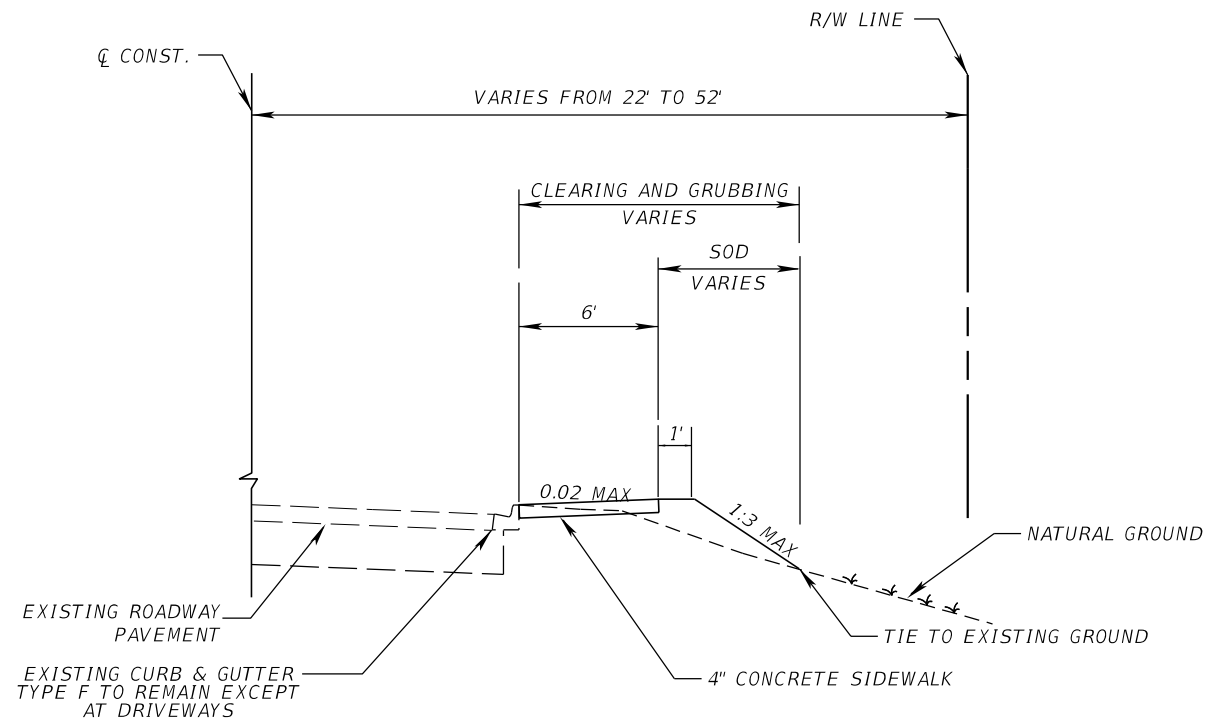
LENGTH OF PROJECT		
	LINEAR FEET	MILES
SIDEWALK	1,990	0.38
BRIDGES		
NET LENGTH OF PROJECT	1,990	0.38
EXCEPTIONS		
GROSS LENGTH OF PROJECT	1,990	0.38

PUBLIC WORKS DIRECTOR: JEAN JREIJ, P.E.


FISCAL YEAR	SHEET NO.
22	1

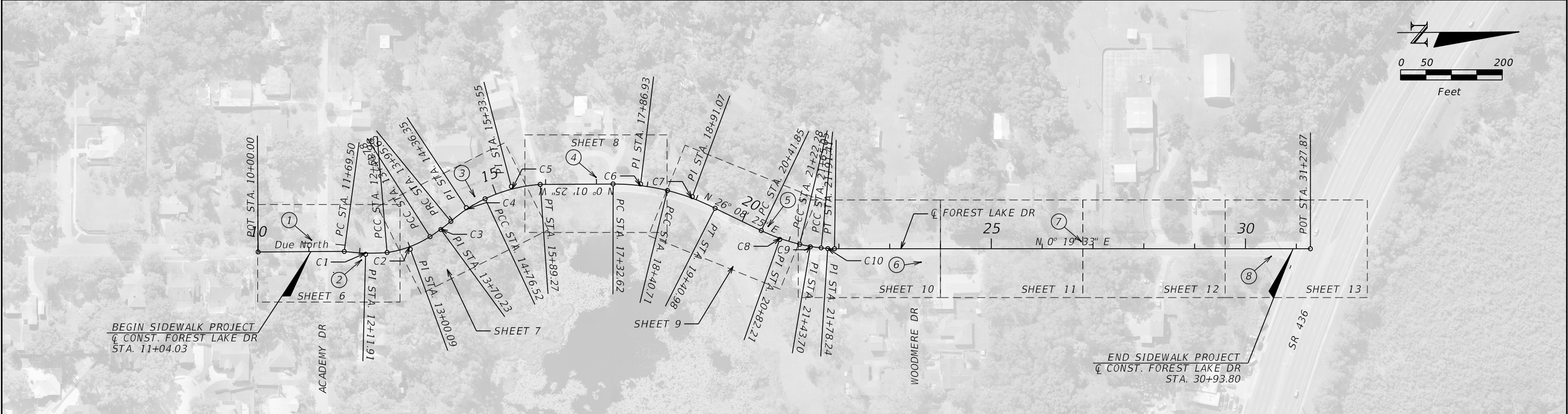
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REVISIONS			 SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small>	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF PAY ITEMS	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
				FOREST LAKE DR	02107063		2



TYPICAL SECTION No. 1
CARRIGAN AVE Sta. 11+04.03 to Sta. 30+93.80 (RT)

REVISIONS			<div> SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small></div> <div>SEMINOLE COUNTY ENGINEERING DIVISION</div> <div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		TYPICAL SECTIONS	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
				FOREST LAKE DR	02107063		3



① SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=92.57
N=1573603.37
E=517145.70

② SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=90.14
N=1573701.31
E=517185.71

③ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=80.62
N=1573924.84
E=517061.66

④ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=71.97
N=1574163.66
E=517025.38

⑤ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=72.62
N=1574503.45
E=517123.68

⑥ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=85.88
N=1574802.38
E=517185.71

⑦ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=81.59
N=1575117.88
E=517157.05

⑧ SITE BENCHMARK
SET 5/8" IRON ROD
"SSMC TRAV. PT."
ELEVATION=62.58
N=1575491.54
E=517188.56

CURVE DATA C1
PI STA. = 12+11.91
Δ = 12° 36' 53" (LT)
D = 14° 56' 00"
T = 42.41
L = 84.47
R = 383.68
PC STA. = 11+69.50
PT STA. = 12+53.98

CURVE DATA C2
PI STA. = 13+00.09
Δ = 24° 39' 57" (LT)
D = 27° 09' 48"
T = 46.12
L = 90.81
R = 210.93
PC STA. = 12+53.98
PT STA. = 13+44.78

CURVE DATA C3
PI STA. = 13+70.23
Δ = 6° 12' 10" (LT)
D = 12° 11' 55"
T = 25.45
L = 50.85
R = 469.69
PC STA. = 13+44.78
PT STA. = 13+95.63

CURVE DATA C4
PI STA. = 14+36.35
Δ = 16° 14' 05" (RT)
D = 20° 04' 10"
T = 40.72
L = 80.89
R = 285.49
PC STA. = 13+95.63
PT STA. = 14+76.52

CURVE DATA C5
PI STA. = 15+33.55
Δ = 21° 08' 17" (RT)
D = 18° 44' 53"
T = 57.02
L = 112.75
R = 305.61
PC STA. = 14+76.52
PT STA. = 15+89.27


CURVE DATA C6
PI STA. = 17+86.93
Δ = 13° 45' 46" (RT)
D = 12° 43' 56"
T = 54.31
L = 108.09
R = 450.00
PC STA. = 17+32.62
PT STA. = 18+40.71

CURVE DATA C7
PI STA. = 18+91.07
Δ = 13° 05' 22" (RT)
D = 13° 03' 15"
T = 50.35
L = 100.27
R = 438.91
PC STA. = 18+40.71
PT STA. = 19+40.98

CURVE DATA C8
PI STA. = 20+82.21
Δ = 11° 58' 47" (LT)
D = 14° 53' 35"
T = 40.37
L = 80.44
R = 384.71
PC STA. = 20+41.85
PT STA. = 21+22.28

CURVE DATA C9
PI STA. = 21+43.70
Δ = 7° 46' 59" (LT)
D = 18° 11' 59"
T = 21.42
L = 42.76
R = 314.82
PC STA. = 21+22.28
PT STA. = 21+65.05

CURVE DATA C10
PI STA. = 21+78.24
Δ = 5° 47' 13" (LT)
D = 21° 57' 15"
T = 13.19
L = 26.36
R = 260.98
PC STA. = 21+65.05
PT STA. = 21+91.41

REVISIONS			<div><div><div>SEMINOLE COUNTY</div><div>FLORIDA'S NATURAL CHOICE</div></div><div><div>SEMINOLE COUNTY</div><div>ENGINEERING DIVISION</div></div><div><div>DINO LUCARELLI</div><div>P.E. No. 39556</div><div>100 East 1st. Street</div><div>Sanford, FL 32771</div></div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROJECT LAYOUT	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		4
				FOREST LAKE DR	02107063		

PROJECT NOTES

1. TOPO IS BASED ON FIELD SURVEY BY WOOD ENV DATED 8/27/2021
2. ANY PUBLIC LAND CORNER OR COUNTY MONUMENT 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 CONTRACTOR SHALL NOTIFY THE SEMINOLE COUNTY SURVEYOR, SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT IMMEDIATELY BY PHONE @ (407) 665-5656.
3. PROJECT STATIONS AND OFFSETS ARE BASED ON C. OF CONSTRUCTION.
4. ONE WEEK PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A "CONSTRUCTION PERMIT" FROM SEMINOLE COUNTY PUBLIC WORKS ENGINEERING DIVISION. CONTACT PERMIT COORDINATOR AT 100 E. FIRST STREET, SANFORD, FLORIDA 32773. TELEPHONE (407) 665-5674. NO FEES REQUIRED.
5. SPECIAL ATTENTION IS DIRECTED TO STANDARD SPECIFICATION 522 AND DESIGN STANDARD PLANS 522-001 AND 522-002.
6. ALL PRIVATE PROPERTY WITHIN THE RIGHT-OF-WAY SHALL BE RELOCATED BY THE PROPERTY OWNER OR IT SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS.
7. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THE CONSTRUCTION WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER, THAN THE EXISTING PRE- CONSTRUCTION CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLAN. COST TO BE INCIDENTAL TO CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.
8. EXISTING UTILITY LOCATIONS SHOWN IN THE PLANS ARE ONLY APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED IN THE FIELD AND NOTIFY ALL UTILITY OWNERS WHETHER PUBLIC OR PRIVATE, WITH FACILITIES IN THE AREA OF CONSTRUCTION ACTIVITIES FOR POSSIBLE CONFLICTS AND COORDINATE ANY ADJUSTMENT AND/OR RELOCATION AS NECESSARY TO COMPLETE THE PROJECT. ALL NOTIFICATIONS TO BE MADE ONE WEEK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTACT SUNSHINE STATE ONE- CALL 1-800-432-4770.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CURRENT STATE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT AND/OR RELATED STATE LAW. THE FOLLOWING INFORMATION IS BEING PROVIDED BY SEMINOLE COUNTY IN AN EFFORT TO ASSIST THE CONTRACTOR BY LISTING UTILITIES THAT MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHOULD ASSUME OTHER UTILITIES THAT ARE NOT LISTED BELOW MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF THE PROPOSED CONSTRUCTION.
- UTILITY (CONTACT)

PHONE

CHARTER COMMUNICATIONS (MARVIN USRY):

(407) 532-8509

ZAYO GROUP/FORMERLY LIGHTWAVE, LLC (DEAN PATE):

(407) 605-6125

DUKE ENERGY (ROBB BROWN):

(352) 459-4671

TECO PEOPLES GAS-ORLANDO (SHAWN WINSOR):

(407) 420-6663

SEMINOLE COUNTY (PAUL ZIMMERMAN):

(407) 665-2040

SEMINOLE COUNTY TRAFFIC ENGINEERING (CHARLES WETZEL):

(407) 665-5686

MCI/VERIZON (THOMAS CLARK):

(918) 590-9903

CITY OF ALTAMONTE SPRINGS (FRANKLIN CABRERA)

(407) 571-8337

CENTRYLINK/LUMEN (MARLON BROWN)

(863) 452-3132
10. ANY MAILBOX CONFLICTING WITH THE CONSTRUCTION OF THE PROJECT IS TO BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD PLANS 110-200. NEW LOCATIONS TO BE COORDINATED WITH LOCAL POST OFFICE. REPLACEMENTS OF MAILBOXES SHALL HAVE A MINIMUM 3" HIGH NUMBERS REPLACED ON BOTH SIDES OF THE MAILBOX, PER SEMINOLE COUNTY ORDINANCE90.5 (6). PER USPS DO 41.2.4. IF THE MAILBOX IS ON A DIFFERENT STREET FROM THE COSTUMER'S RESIDENCE, THE STREET NAME AND HOUSE NUMBER SHALL BE INSCRIBED ON THE BOX ON BOTH SIDES.
11. GRADE SIDEWALK FOR POSITIVE DRAINAGE, CROSS SLOPE NOT TO EXCEED 1:50 (2%). NO SIDEWALK SHALL HAVE A LONGITUDINAL GRADE (SLOPE) GREATER THAN 1:20 (5%), UNLESS IT IS MATCHING THE GRADE OF THE ROAD, AND CURB RAMPS SHALL NOT EXCEED 1:12 (8.33%).
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK ALL CONCRETE FORMS PRIOR TO CONCRETE BEING POURED AND CONFIRM THAT THE FINISH SIDEWALK AND/OR CURB RAMP MEET ADA REQUIREMENTS AS INTENDED. FAILURE TO DO SO MAY RESULT IN THE REMOVAL AND REPLACEMENT OF THE CONCRETE AT THE CONTRACTOR'S'S EXPENSE.
13. A MINIMUM OF 2 FEET ON BOTH SIDES OF THE SIDEWALK SHALL BE RE- SODDED AND ALL DISTURBED AREAS WILL BE RE- SODDED TO MATCH THE EXISTING SOD TYPE, UNLESS OTHERWISE NOTED IN THE PLANS. SOD SHALL BE CERTIFIED "SODA APPLE FREE". SUBCONTRACTOR SHALL REMOVE AND REPLACE ANY AREAS INFESTED FOR A PERIOD OF ONE YEAR FROM THE COMPLETION OF THE PROJECT.
14. SOIL MATERIALS USED FOR FILL OR GRADING ACTIVITIES SHALL BE APPROVED FOR USE BY THE SEMINOLE COUNTY ENGINEERING INSPECTOR PRIOR TO USE.
15. ANY GRASSED AREA OUTSIDE THE PROJECT LIMITS DISTURBED BY THE CONTRACTOR WILL BE SODDED AT THE CONTRACTOR'S EXPENSE WITHIN 48 HOURS OF NOTIFICATION BY THE SEMINOLE COUNTY ENGINEERING INSPECTOR.
16. IRRIGATION LINES DAMAGED DURING CONSTRUCTION ARE TO BE CAPPED IMMEDIATELY AND REPORTED TO THE SEMINOLE COUNTY ENGINEER INSPECTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE THE DAMAGE IRRIGATION COMPONENTS TO PRE-CONSTRUCTION CONDITION AT HIS EXPENSE PRIOR TO COMPLETION OF THE PROJECT.
17. THE CONTRACTOR SHALL NOTIFY THE SEMINOLE COUNTY PROJECT MANAGER FOR A FIELD INSPECTION 24 HOURS PRIOR TO PLACEMENT OF ANY CONCRETE.
18. THE TEST REQUIREMENTS FOR CLASS I CONCRETE WILL BE WAIVED UPON PRESENTATION TO THE SEMINOLE COUNTY ENGINEERING INSPECTOR A WRITTEN CERTIFICATION FROM THE PLANT THAT THE CONCRETE IS A FDOT CLASS I MIX FOR 3000 PSI CONCRETE.
19. THE CONTRACTOR SHALL REMOVE AND DISPOSE PROPERLY OF ALL CONSTRUCTION DEBRIS AS DIRECTED BY SEMINOLE COUNTY ENGINEER INSPECTOR AND PRIOR TO COMPLETION OF THE PROJECT.
20. SHRUBS AND TREES THAT CONFLICT WITH THE PROPOSED SIDEWALK SHALL BE REMOVED. NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL FROM THE SEMINOLE COUNTY PROJECT MANAGER.

21. EXISTING DRAINAGE STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
22. ANY DRAINAGE PROBLEMS, CREATED BY CONSTRUCTION OR EXISTING BEFORE CONSTRUCTION, THAT ARE NOT ALLEVIATED SHOULD BE BROUGHT TO THE ATTENTION TO THE SEMINOLE COUNTY ENGINEERING DIVISION PROJECT MANAGER.
23. THE CONTRACTOR SHALL GIVE THE POSTMAKER OF THE DELIVERY ROUTE(S) WRITTEN NOTICE OF PROJECT CONSTRUCTION 7 DAYS TO THE BEGINNING OF WORK, WITH SATURDAYS, SUNDAYS AND HOLIDAYS EXCLUDED.

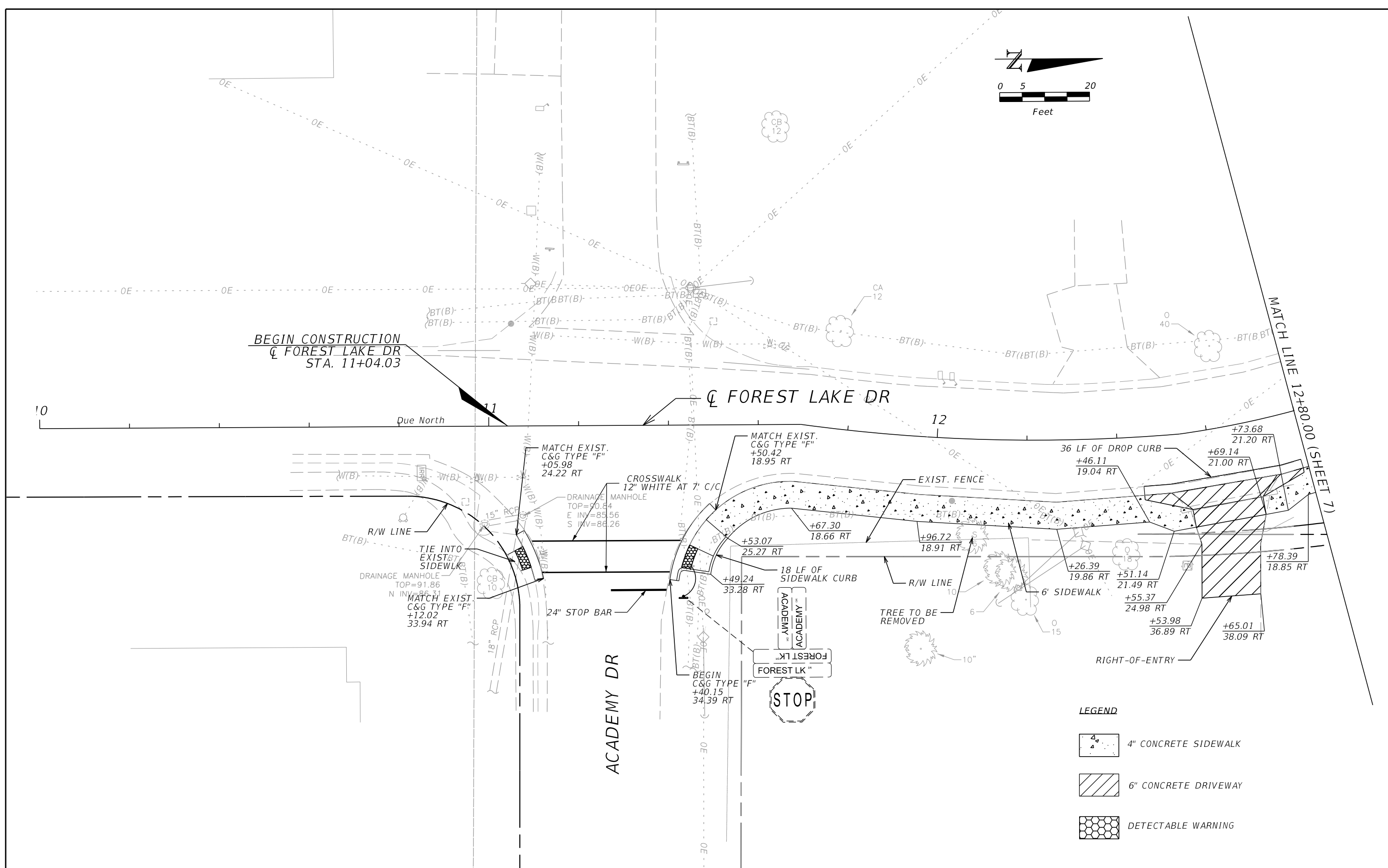
EROSION CONTROL NOTES

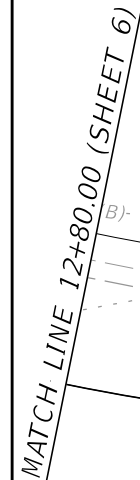
1. THE EROSION CONTROL MEASURES PER FDOT EROSION AND SEDIMENT CONTROL MANUAL ARE THE MINIMUM REQUIRED. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO FIELD CONDITIONS AS DETERMINED BY THE SEMINOLE COUNTY PROJECT MANAGER OR THE REGULATORY AGENCIES.
2. PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES CONSISTING OF STAKED SILT FENCES AND ADDITIONAL MEASURES AS NECESSARY, UTILIZING INDUSTRY STANDARD BEST MANAGEMENT PRACTICES AND FOLLOWING REQUIREMENTS BELOW, TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS, WATER BODIES, AND UPLAND BUFFERS) AND OFF SITE LANDS AND WATER BODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION ACCEPTANCE BY SEMINOLE COUNTY AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.
3. NO DISCHARGE OF CONTAMINANTS INTO ADJACENT WETLANDS, WATER BODIES, OR UPLAND BUFFERS WILL BE PERMITTED AT ANY TIME.
4. DAMAGE TO WETLANDS AND/OR UPLAND BUFFERS ADJACENT TO CONSTRUCTION AREAS SHALL BE PREVENTED BY DELINEATING THE LIMITS OF CONSTRUCTION, AND INSTALLING SEDIMENT BARRIERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THEREBY RETAINING SEDIMENT WITHIN THE CONSTRUCTION AREA. CONTRACTOR WILL BE REQUIRED TO ADEQUATELY MAINTAIN THESE PROTECTION MEASURES AT ALL TIMES.
5. EROSION CONTROL AND DUST CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREAS BY QUICKLY STABILIZING DISTURBED AREAS TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, TURBIDITY FENCES, PERIODIC WATERING, AND OTHER BEST MANAGEMENT PRACTICES WHICH ARE ACCEPTABLE TO THE SEMINOLE COUNTY ENGINEERING INSPECTOR AND REGULATORY AGENCIES.
6. TURBIDITY BARRIERS SHALL BE USED TO PREVENT RELEASE OF SEDIMENT AND/OR TURBID WATER INTO SURROUNDING WATERS. THESE SEDIMENT AND TURBIDITY BARRIERS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. ALL EROSION PREVENTION AND CONTROL MEASURES MUST BE INSPECTED AND APPROVED BY THE COUNTY COMPLIANCE PERSONNEL, AS REQUIRED, PRIOR TO ANY CONSTRUCTION ACTIVITIES. REMOVAL OF THESE SAME EROSION CONTROLS AND PREVENTION MEASURES MAY BE DONE ONLY AFTER AUTHORIZATION BY COUNTY PERSONNEL IS OBTAINED.
8. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET CURRENT STATE WATER QUALITY STANDARDS PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS.
9. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. ANY ACCUMULATION WITHIN THE STORM DRAINAGE PIPE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO ENGINEER'S INSPECTOR'S ACCEPTANCE.

TEMPORARY TRAFFIC CONTROL NOTES

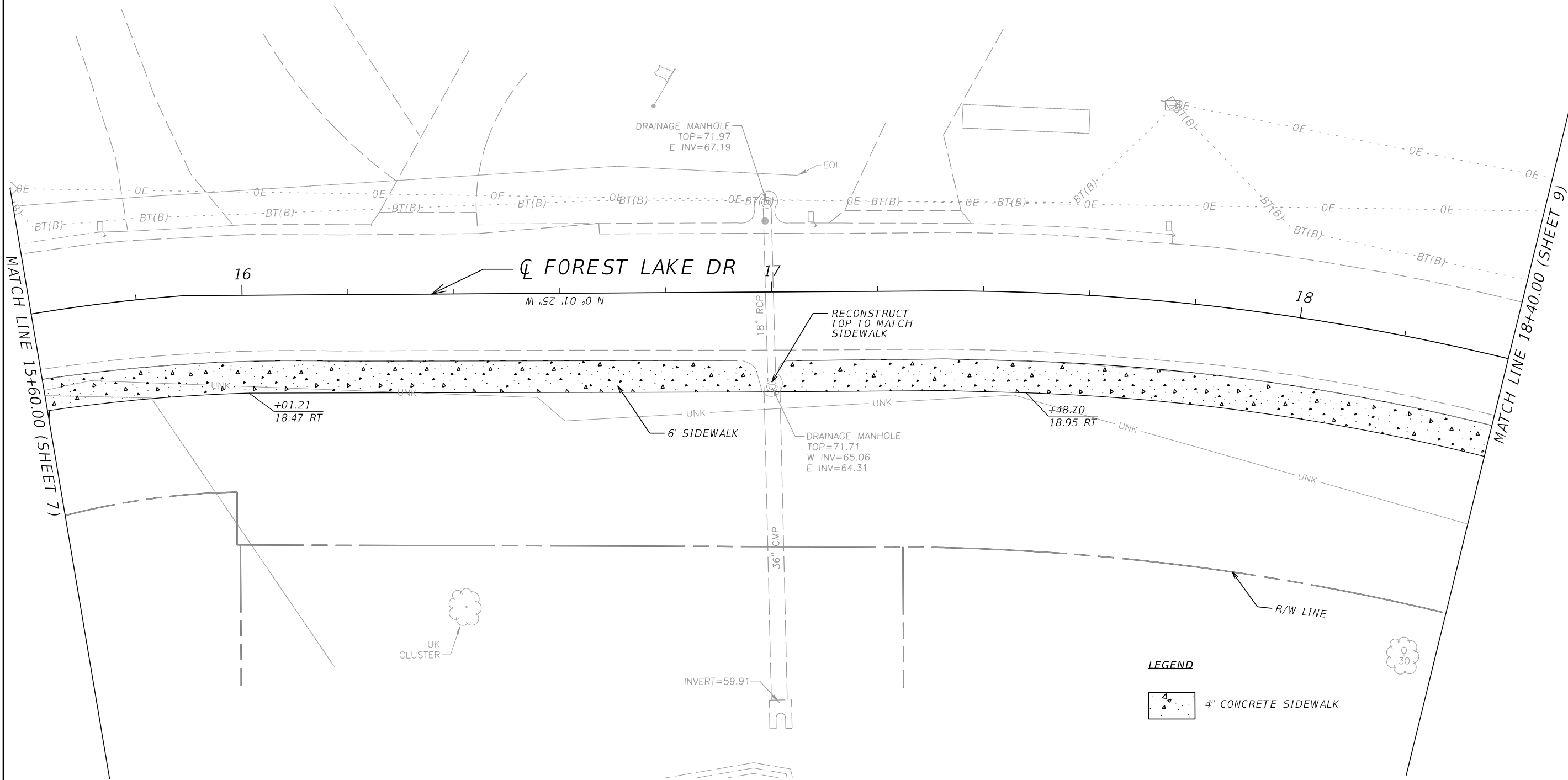
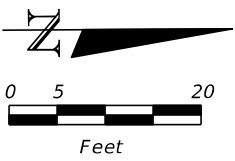
1. VEHICLE AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLANS 102-600 SERIES, AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM.
2. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER TO THE COUNTY PRIOR TO BEGINNING THE PROJECT. THE APPLICATION AND REFERENCE OF SPECIFIC FDOT DESIGN STANDARD INDICES IS ACCEPTABLE.
3. LANE CLOSURES SHALL BE PERMITTED ONLY DURING ACTIVE WORK PERIODS AND AS FOLLOWS: CARRIGAN AVE: 9:00 AM TO 4:00 PM MONDAY THROUGH FRIDAY
4. USE 2 CHANGEABLE MESSAGE SIGNS AS LOCATED ON THE PLANS (7) DAYS PRIOR TO CONSTRUCTION.


REVISIONS			<div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div><div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, Fl 32771</div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		GENERAL NOTES	SHEET NO.
	DATE	DESCRIPTION					
				ROAD	COUNTY CIP No.		
				FOREST LAKE DR	02107063		5

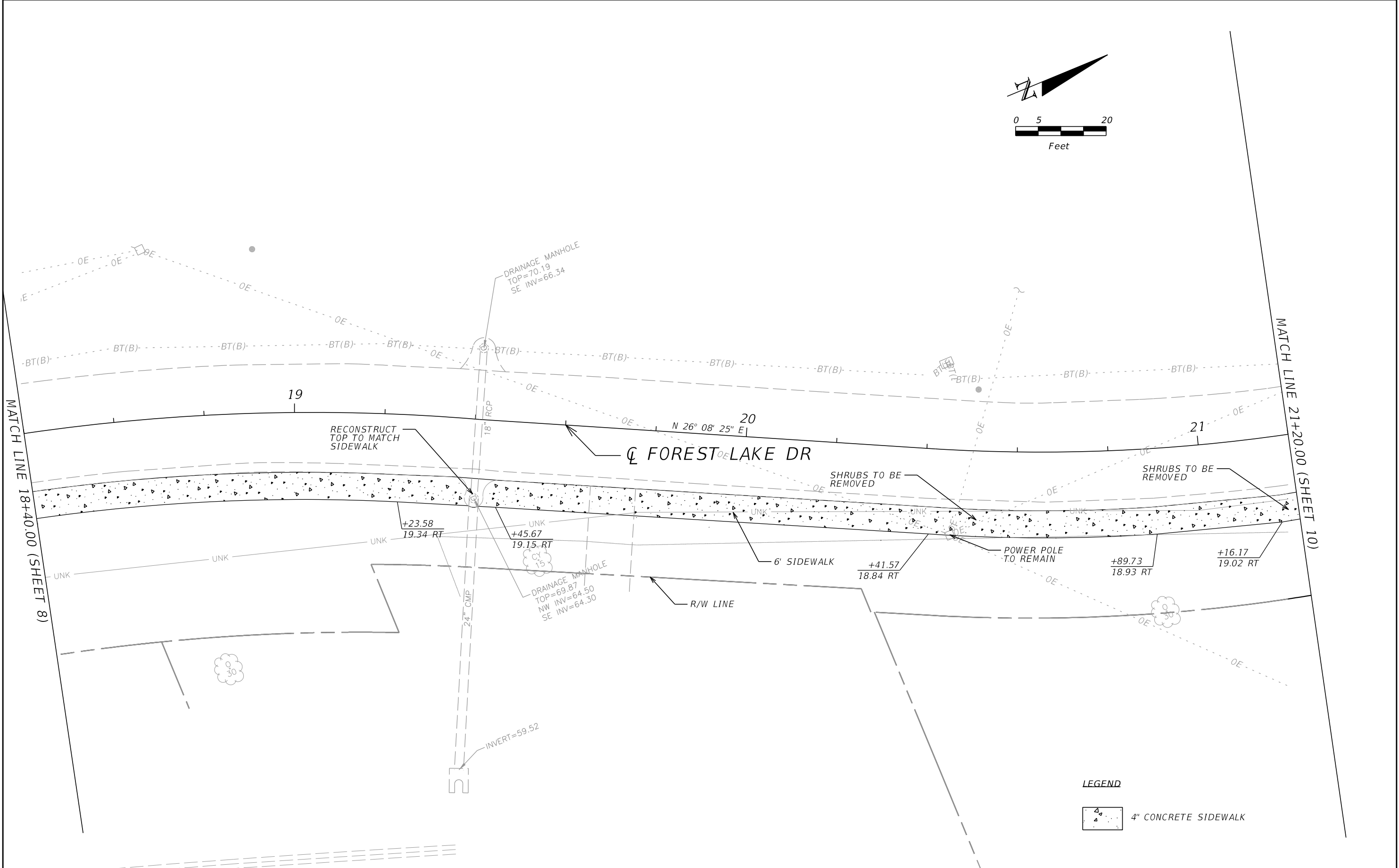





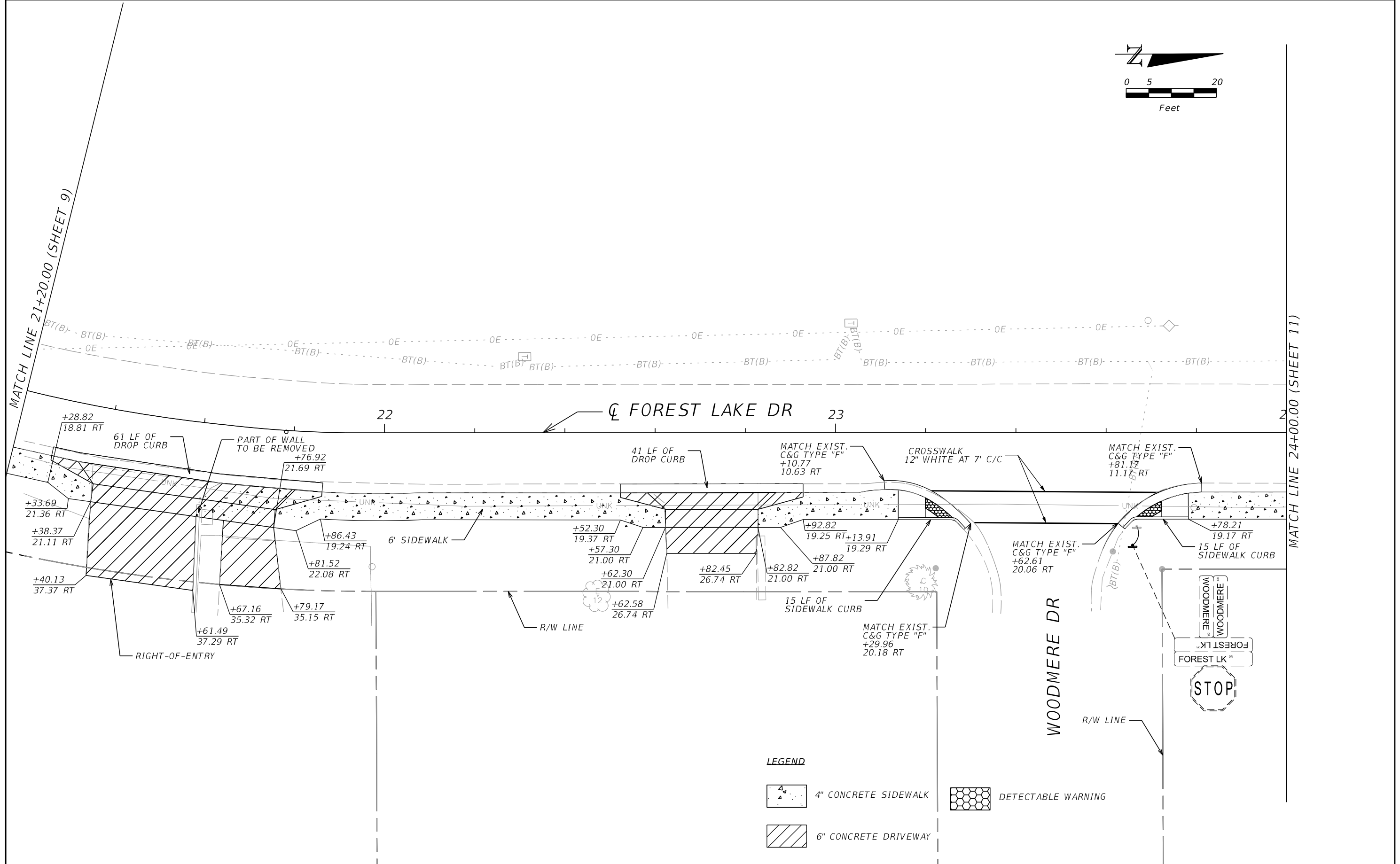
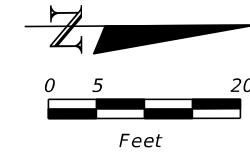
PLAN SHEET




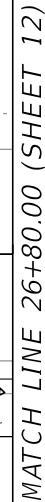
REVISIONS			<div><div><div>SEMINOLE COUNTY</div><div>FLORIDA'S NATURAL CHOICE</div></div><div><div>SEMINOLE COUNTY</div><div>ENGINEERING DIVISION</div></div><div><div>DINO LUCARELLI</div><div>P.E. No. 39556</div><div>100 East 1st. Street</div><div>Sanford, FL 32771</div></div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		8
				FOREST LAKE DR	02107063		



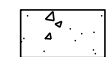
REVISIONS			<div><div>SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div></div> <div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div><div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
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REVISIONS			<div> SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small></div> <div>SEMINOLE COUNTY ENGINEERING DIVISION DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		10
				FOREST LAKE DR	02107063		



LEGEND




4" CONCRETE SIDEWALK

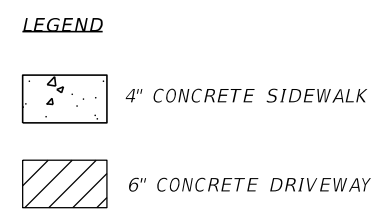
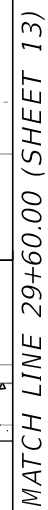



EXISTING CONCRETE TO BE REMOVED

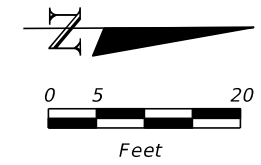


6" CONCRETE DRIVEWAY

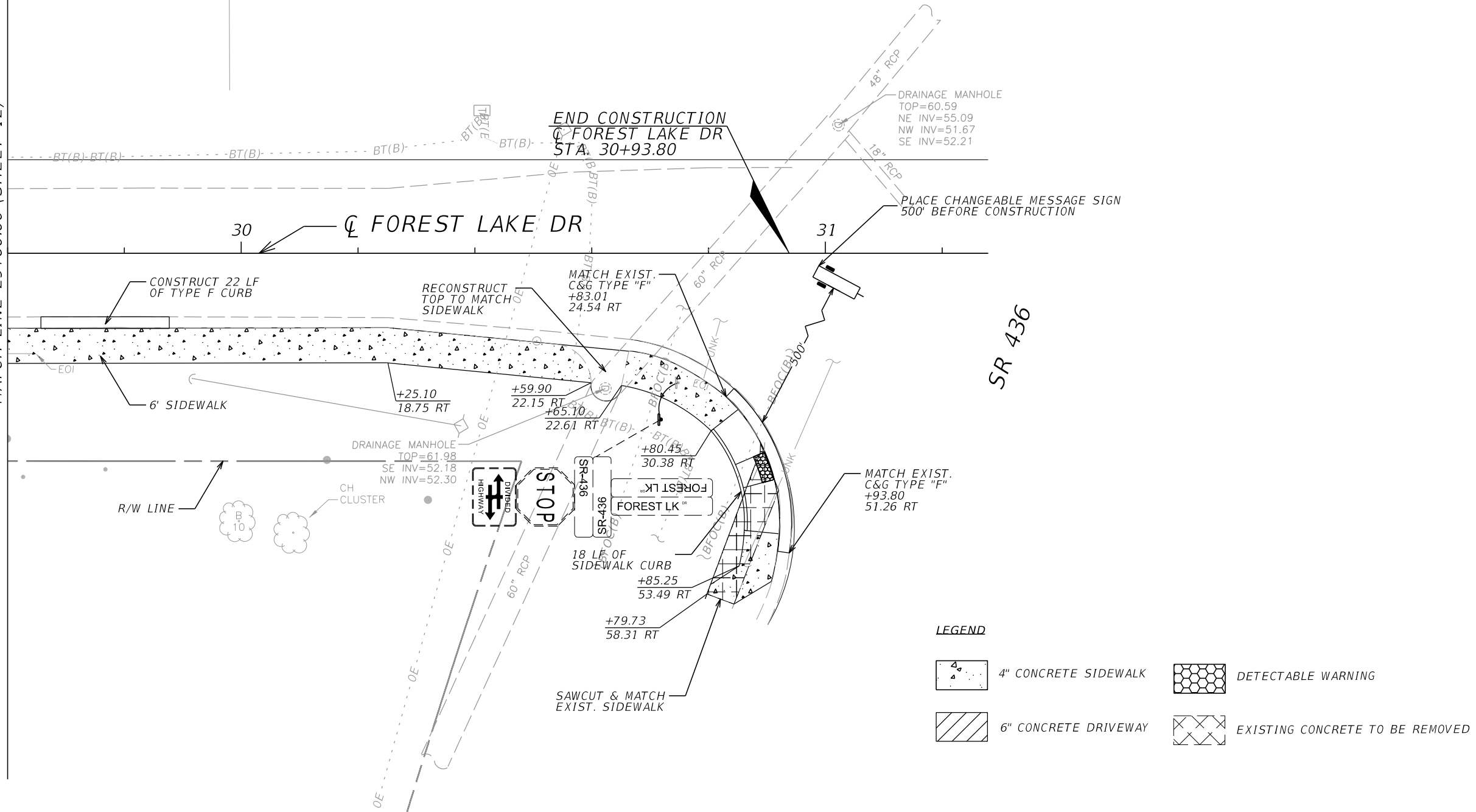
REVISIONS			 SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small> DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, Fl 32771	SEMINOLE COUNTY ENGINEERING DIVISION		<i>PLAN SHEET</i>	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		11
				FOREST LAKE DR	02107063		



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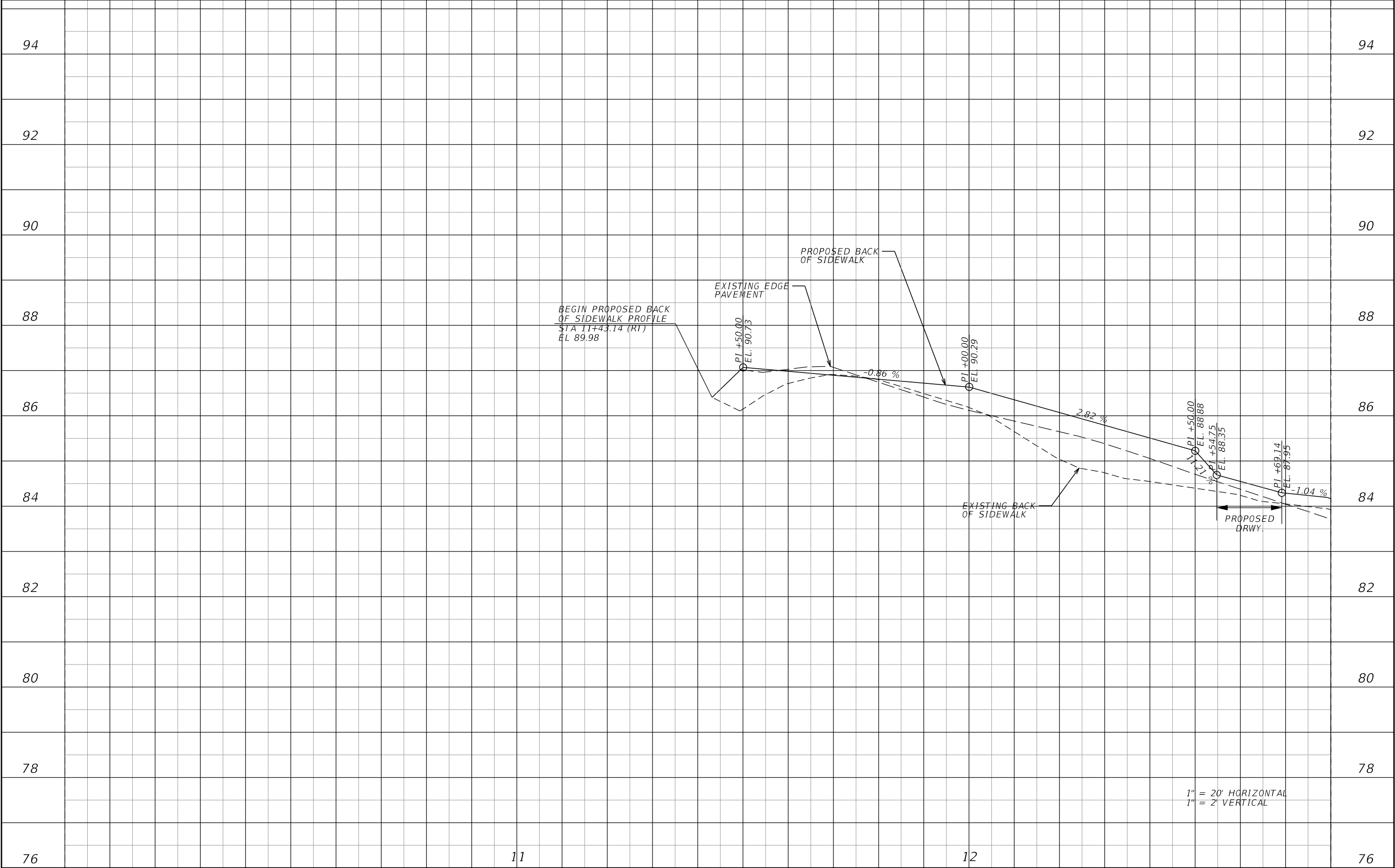
MATCH LINE 29+60.00 (SHEET 12)




LEGEND

- | | | | |
|--|----------------------|--|---------------------------------|
| | 4" CONCRETE SIDEWALK | | DETECTABLE WARNING |
| | 6" CONCRETE DRIVEWAY | | EXISTING CONCRETE TO BE REMOVED |

REVISIONS			<div> SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small></div> <div>SEMINOLE COUNTY ENGINEERING DIVISION DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		13
				FOREST LAKE DR	02107063		




1" = 20' HORIZONTAL
1" = 2' VERTICAL

REVISIONS			<div> SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div>	<div>SEMINOLE COUNTY ENGINEERING DIVISION DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROFILE SHEET	SHEET NO.	
		DATE			DESCRIPTION	ROAD		COUNTY CIP No.	4
						FOREST LAKE DR		02107063	



1" = 20' HORIZONTAL
1" = 2' VERTICAL

REVISIONS		
	DATE	DESCRIPTION



SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

**SEMINOLE COUNTY
ENGINEERING DIVISION**

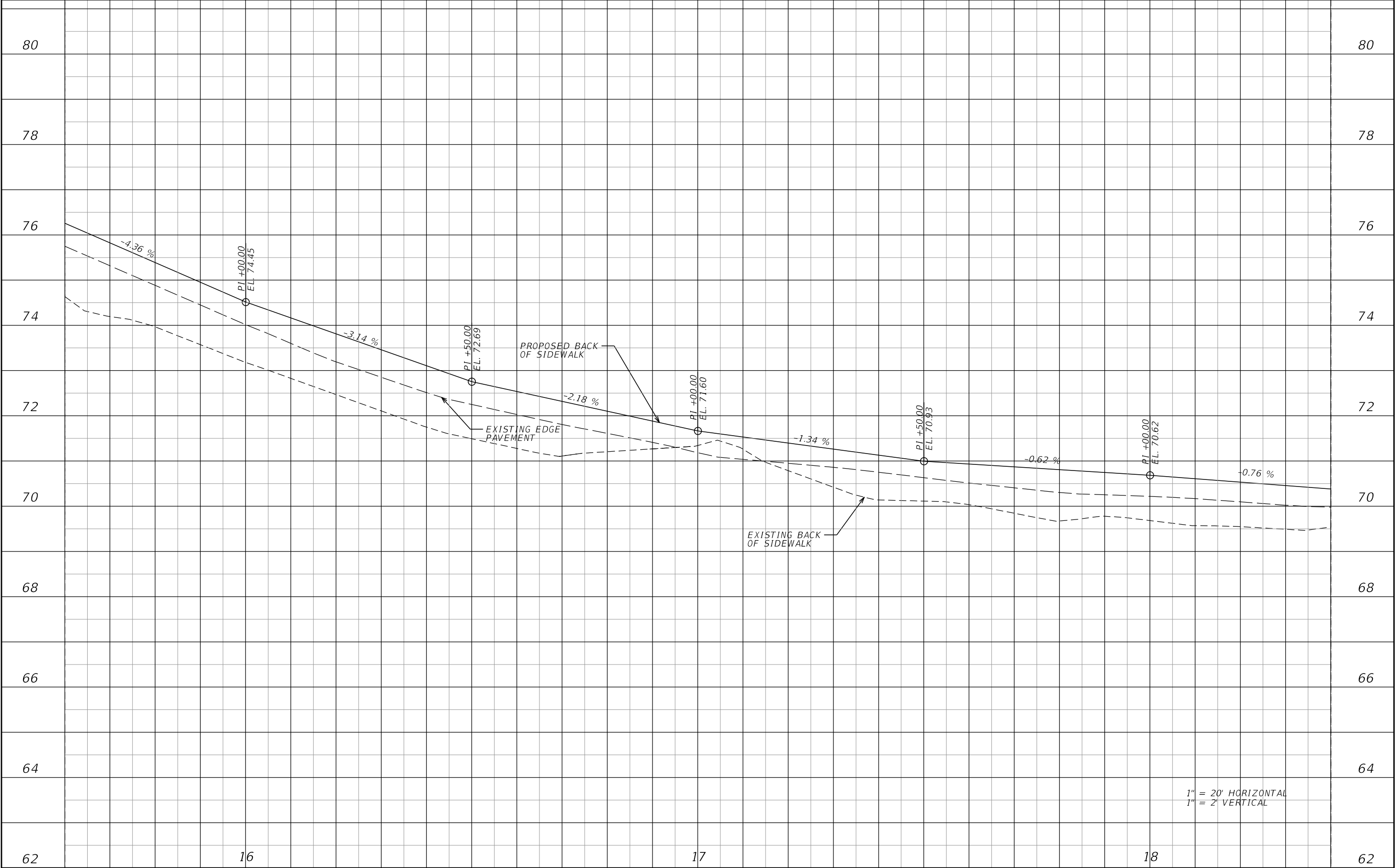
DINO LUCARELLI
P.E. No. 39556
100 East 1st. Street
Sanford, FL 32771

SEMINOLE COUNTY ENGINEERING DIVISION	
ROAD	COUNTY CIP No.
FOREST LAKE DR	02107063


PROFILE SHEET

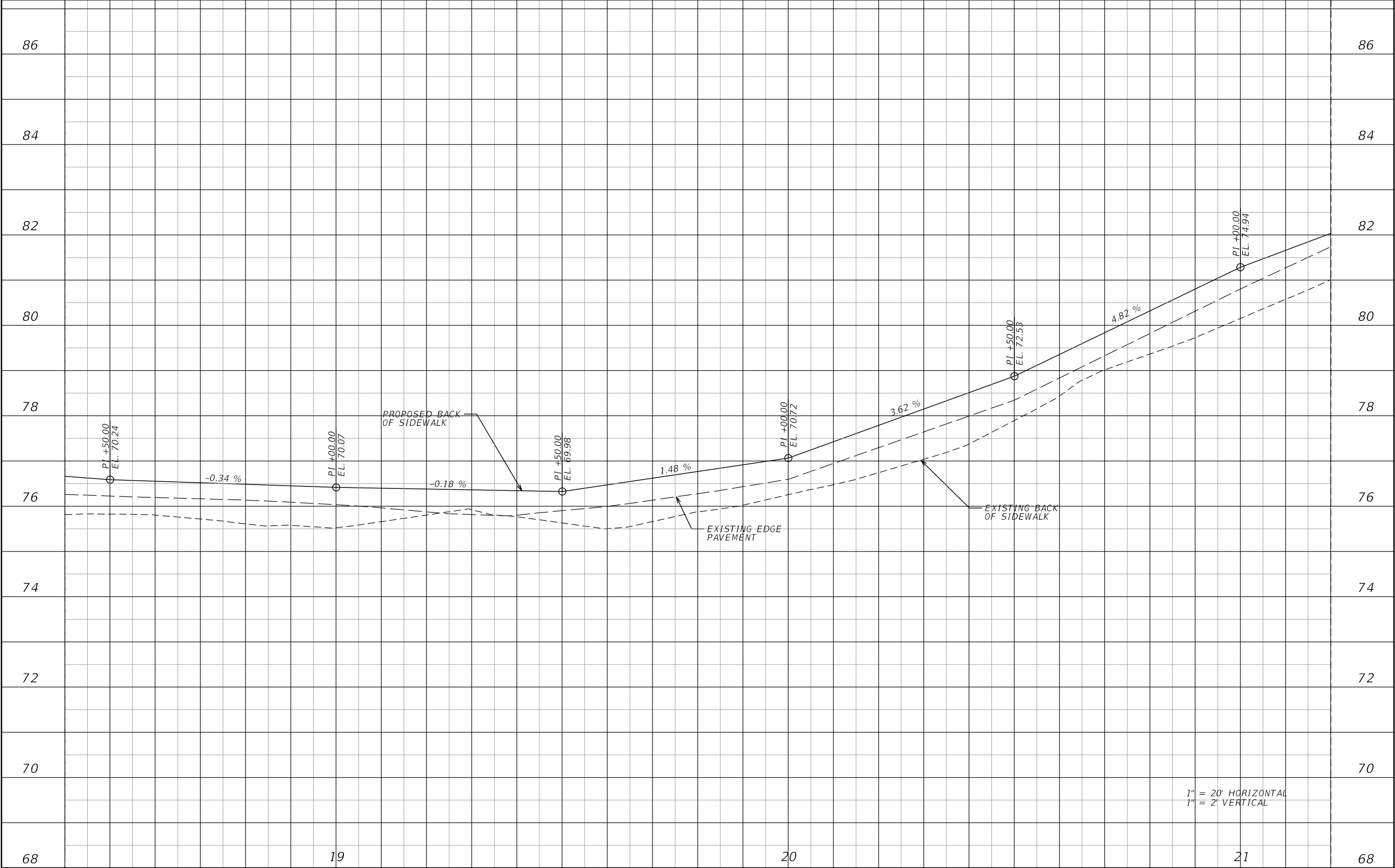
SHEET NO.

4



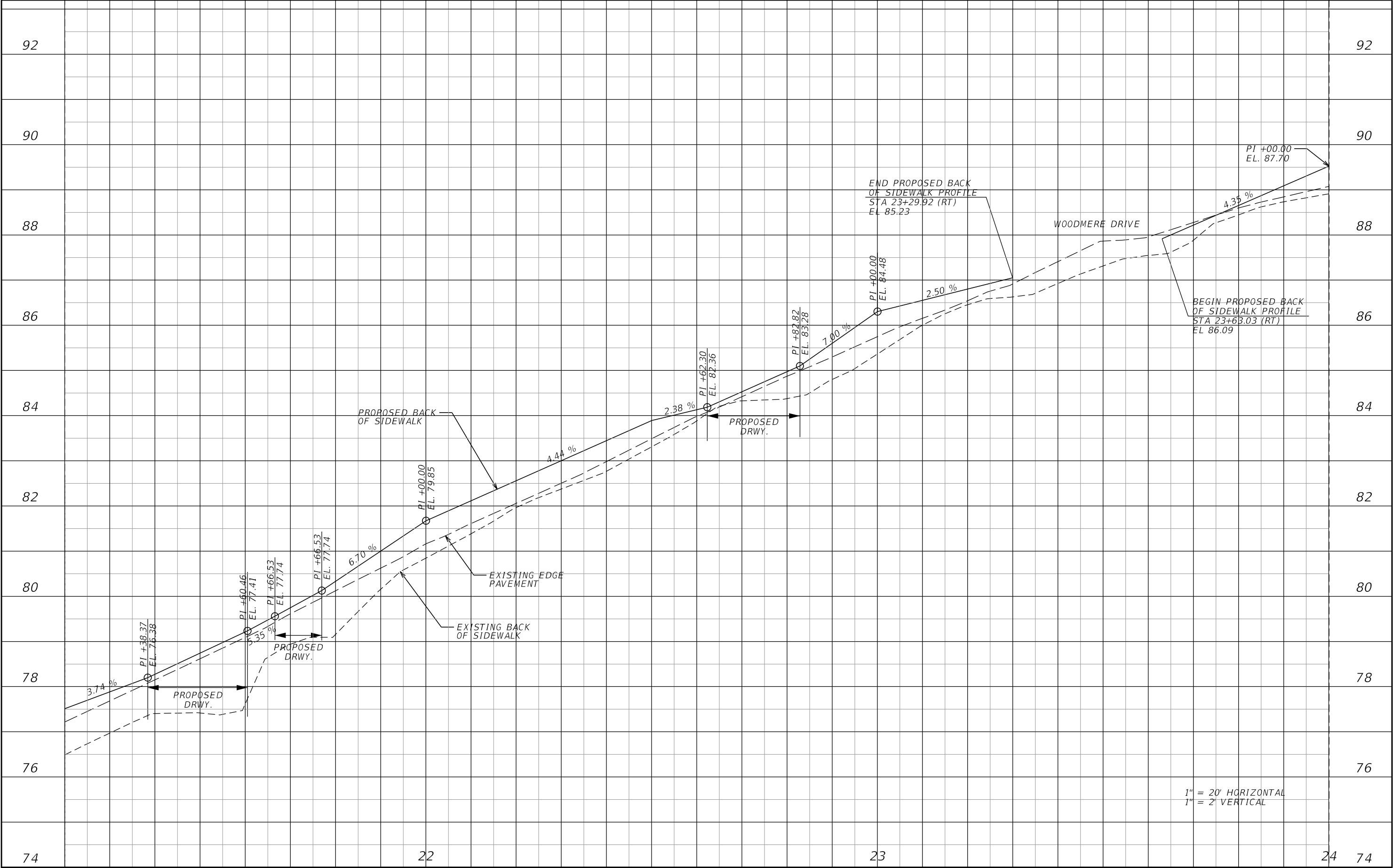
1" = 20' HORIZONTAL
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REVISIONS			<div> SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div> <div>SEMINOLE COUNTY ENGINEERING DIVISION DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROFILE SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		4
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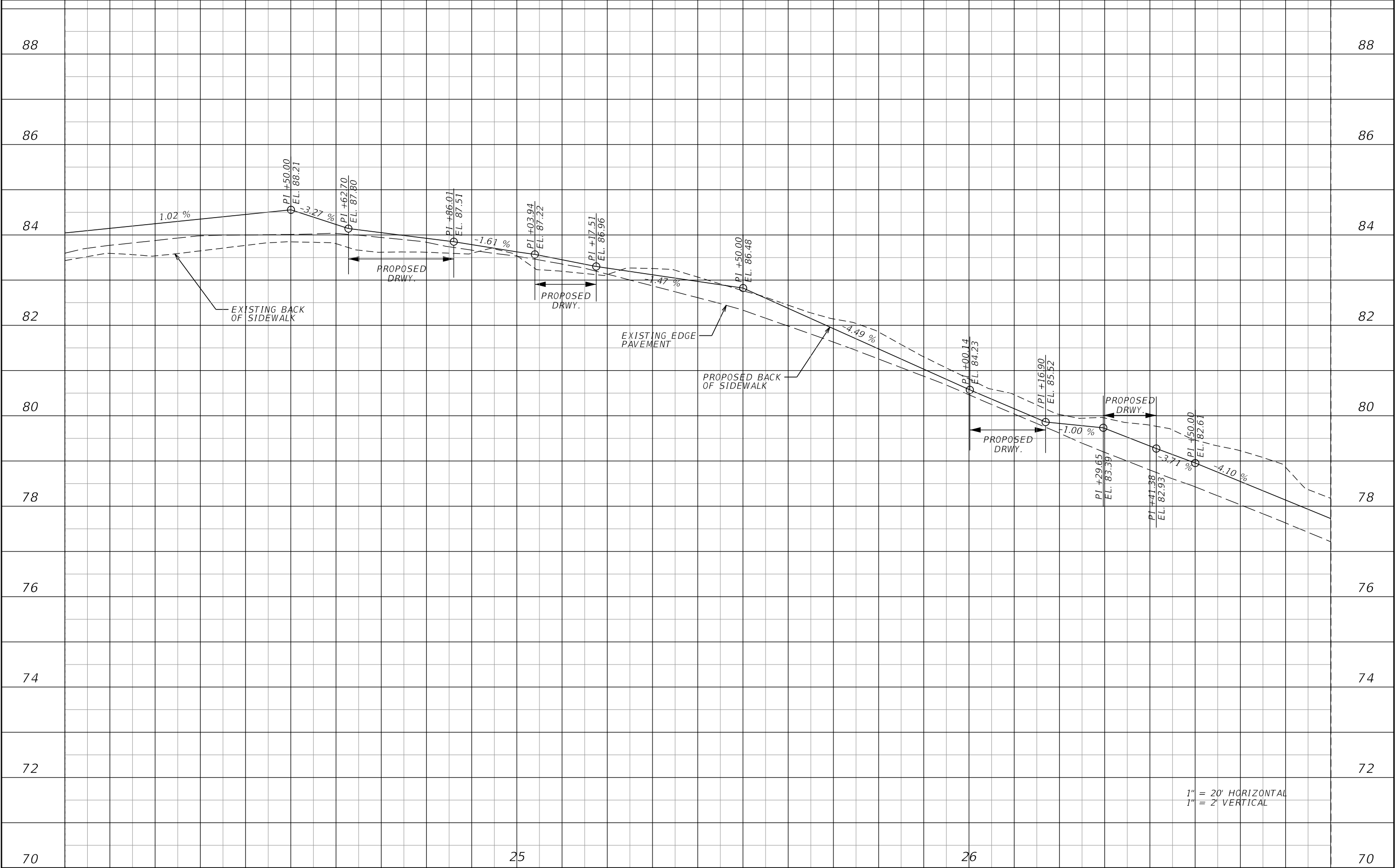



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1" = 2' VERTICAL

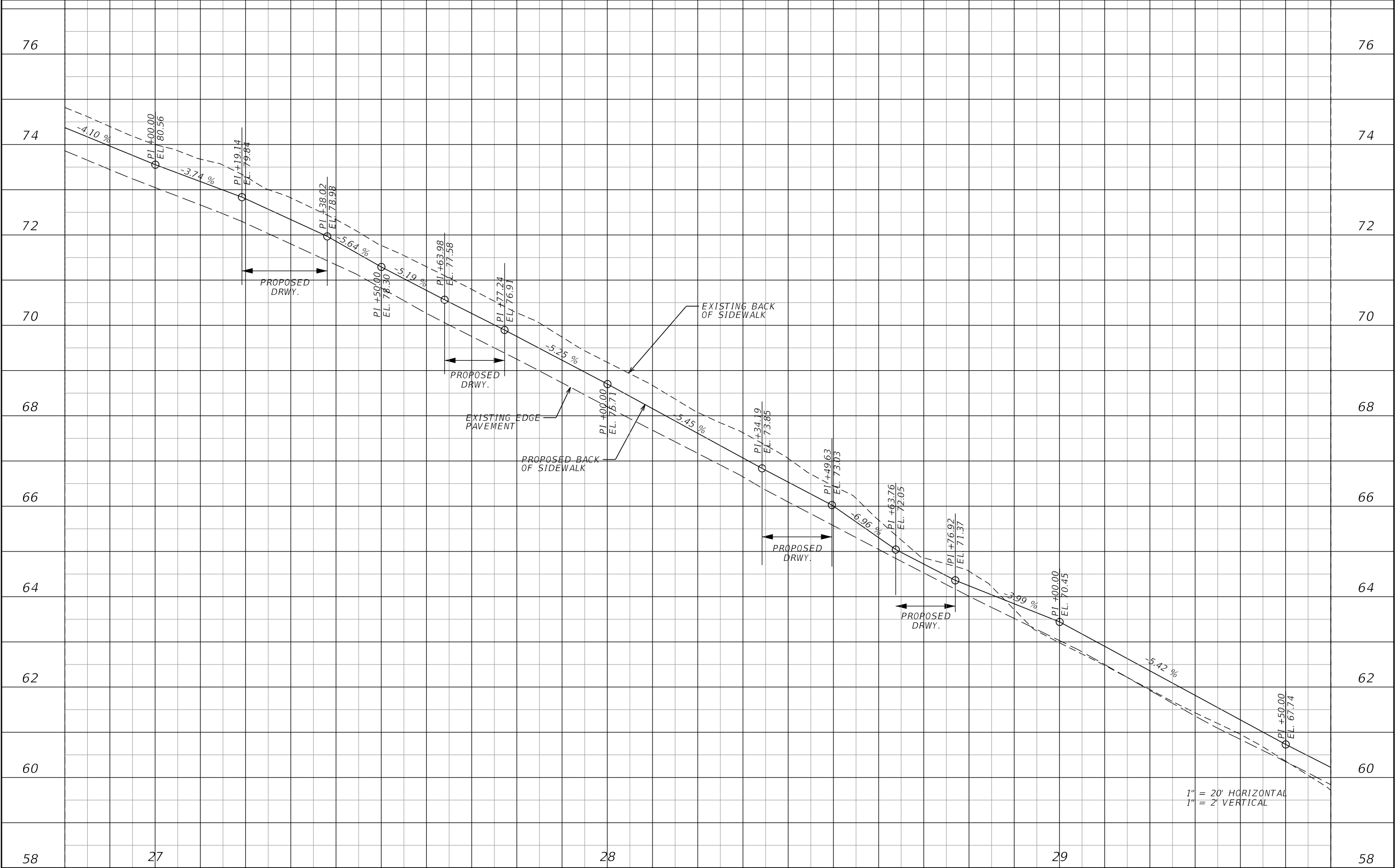
REVISIONS			<div> SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div> <div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROFILE SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		4
				FOREST LAKE DR	02107063		



REVISIONS			<div><div>SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div></div> <div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div><div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROFILE SHEET	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		4
				FOREST LAKE DR	02107063		




REVISIONS			<div><div><div>SEMINOLE COUNTY</div><div>ENGINEERING DIVISION</div></div><div><div>DINO LUCARELLI</div><div>P.E. No. 39556</div><div>100 East 1st. Street</div><div>Sanford, FL 32771</div></div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROFILE SHEET	SHEET NO.
DATE		DESCRIPTION		ROAD	COUNTY CIP No.		4
				FOREST LAKE DR	02107063		



1" = 20' HORIZONTAL
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REVISIONS		
	DATE	DESCRIPTION



SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

**SEMINOLE COUNTY
ENGINEERING DIVISION**

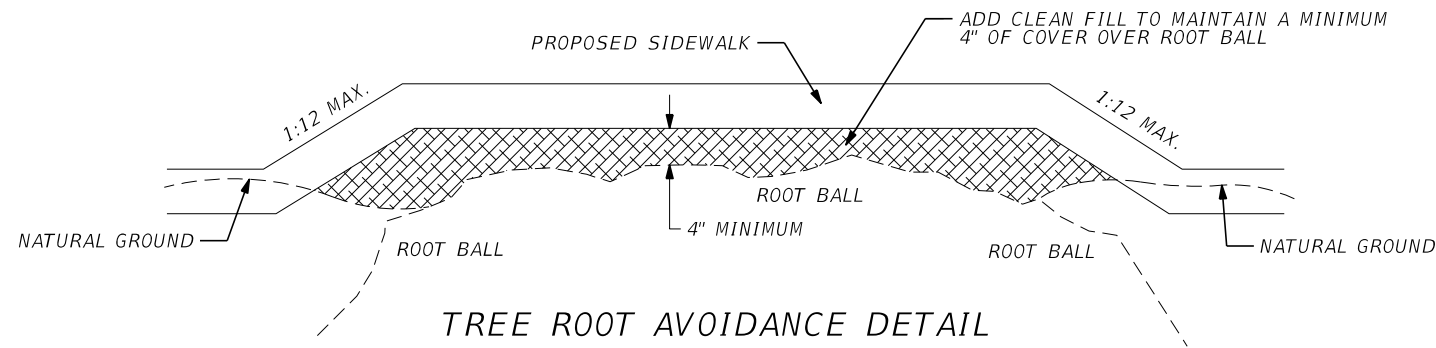
DINO LUCARELLI
P.E. No. 39556
100 East 1st. Street
Sanford, FL 32771

SEMINOLE COUNTY ENGINEERING DIVISION	
ROAD	COUNTY CIP No.
FOREST LAKE DR	02107063

PROFILE SHEET

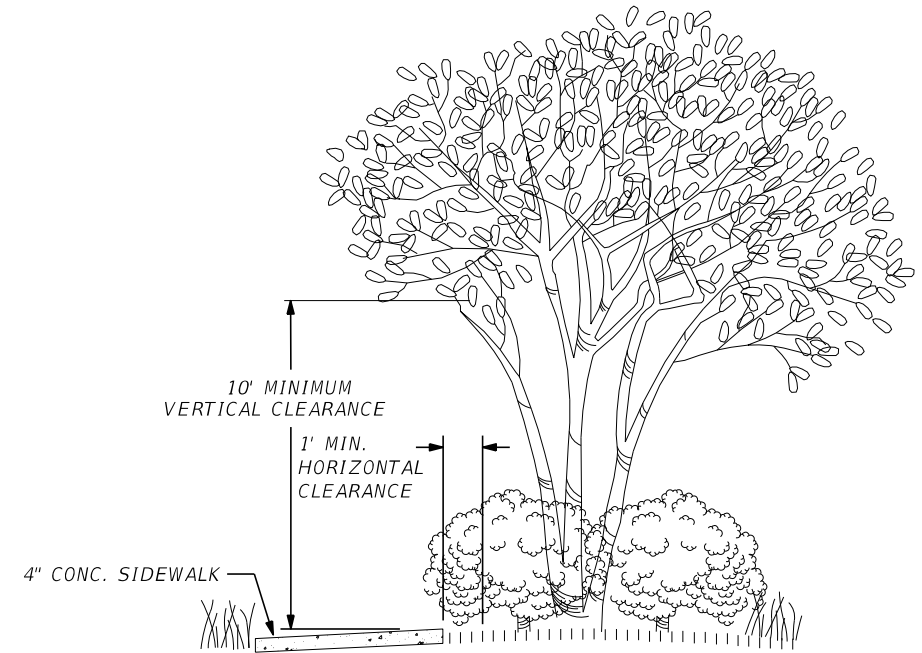
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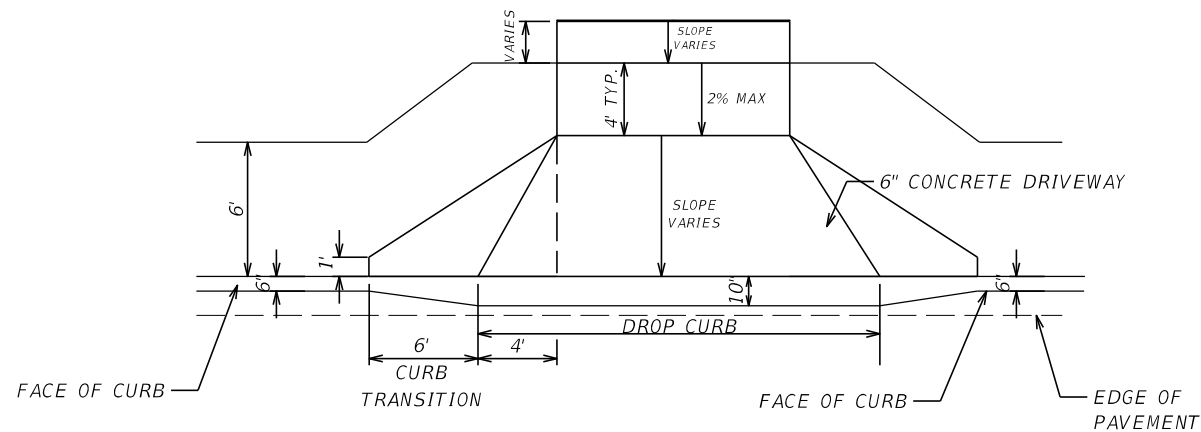
TREE ROOT AVOIDANCE DETAIL

1. FOR USE IN AREAS WHERE TREE ROOTS INTERFERE WITH EXCAVATION. THE ENGINEER OF RECORD MUST BE CONTACTED 2 WEEKS PRIOR TO IMPLEMENTATION OF THIS DETAIL TO REVIEW AND APPROVE ANY ALTERATION TO THE SIDEWALK PROFILE.
2. ALL COSTS OF ADDITIONAL EARTHWORK AND SOD SHALL BE INCIDENTAL TO THE COST OF THE SIDEWALK.
3. IF TREE ROOT CUTTING IS NECESSARY, CUT ROOTS CLEANLY, NO CLOSER THAN THREE TIMES THE DIAMETER OF THE TREE AND PRUNE OFF ANY JAGGED ENDS OF CUT ROOTS. (i.e. IF TREE TRUNK IS 20" IN DIAMETER, THEN CUT THE ROOTS FURTHER THAN 60" FROM THE BASE OF THE TREE)
4. LEAVE ROOTS EXPOSED FOR 24 HOURS TO ALLOW AIR TO "HARDEN" REMAINING ROOTS. AFTER 24 HOURS, PROVIDE A LAYER OF VISQUEEN BETWEEN CUT ROOT, BACKFILL AND WATER-IN THOROUGHLY. FERTILIZE IN 7-10 DAYS WITH A COMPOUND WHICH IS RECOMMENDED FOR AIDING IN ROOT RECOVERY, LOW IN NITROGEN AND HIGH IN PHOSPHORUS AND POTASSIUM.
5. ALL TREES THAT ARE ROOT PRUNED SHALL BE WATERED DAILY FOR 30 DAYS FOLLOWING THE "HARDENING" STAGE.
6. ANY ADDITIONAL QUESTIONS CONCERNING ROOT CUTS CAN BE ANSWERED BY THE COUNTY LANDSCAPE COORDINATOR, BILL PANDOS, AT (407) 665-2176.
7. USE VISQUEEN WITH "P" AGGREGATE ROCK (AS NEEDED) AROUND ROOTS TO PROTECT THE ROOTS WHEN POURING CONCRETE.



TREE SIDEWALK DETAIL

NOTE: THE CONTRACTOR SHALL TRIM ALL BUSHES AND TREES TO MAINTAIN AT LEAST A MINIMUM 10 FEET VERTICAL CLEARANCE AND ONE FOOT HORIZONTAL CLEARANCE.



CONCRETE DRIVEWAY DETAIL

DRIVEWAY NOTE:

THE CONTRACTOR SHALL SAW CUT AND REMOVE ANY ASPHALT APRON THAT IS WITHIN THE LIMITS OF THE NEW CONCRETE DRIVEWAY. THE CONTRACTOR SHALL SOD ANY AREA NOT COVERED BY CONCRETE.


REFER TO DRIVEWAY DETAILS FOR DIMENSIONS AND PROPOSED GRADES.

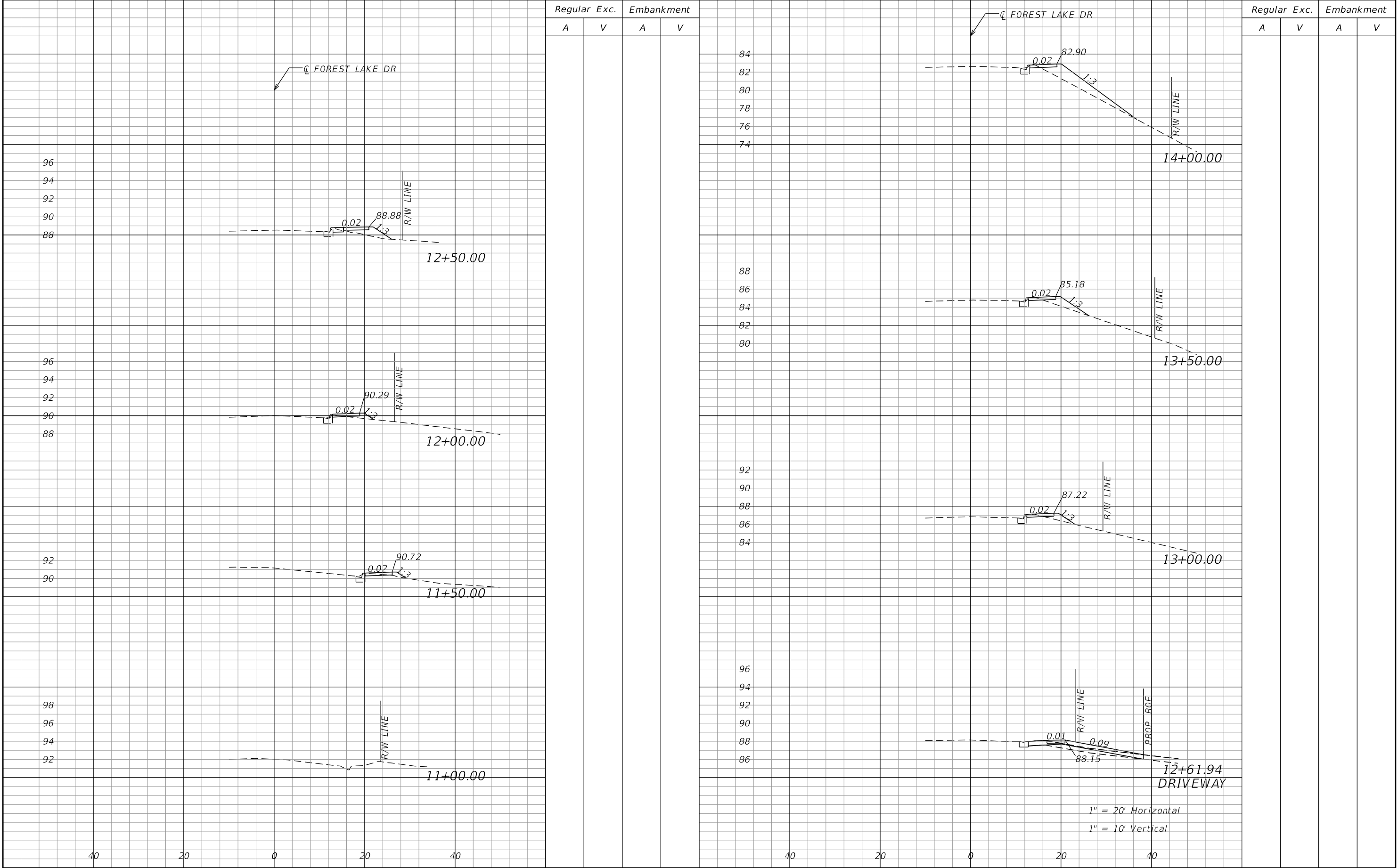


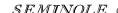
CROSSWALK AND STOP BAR DETAIL

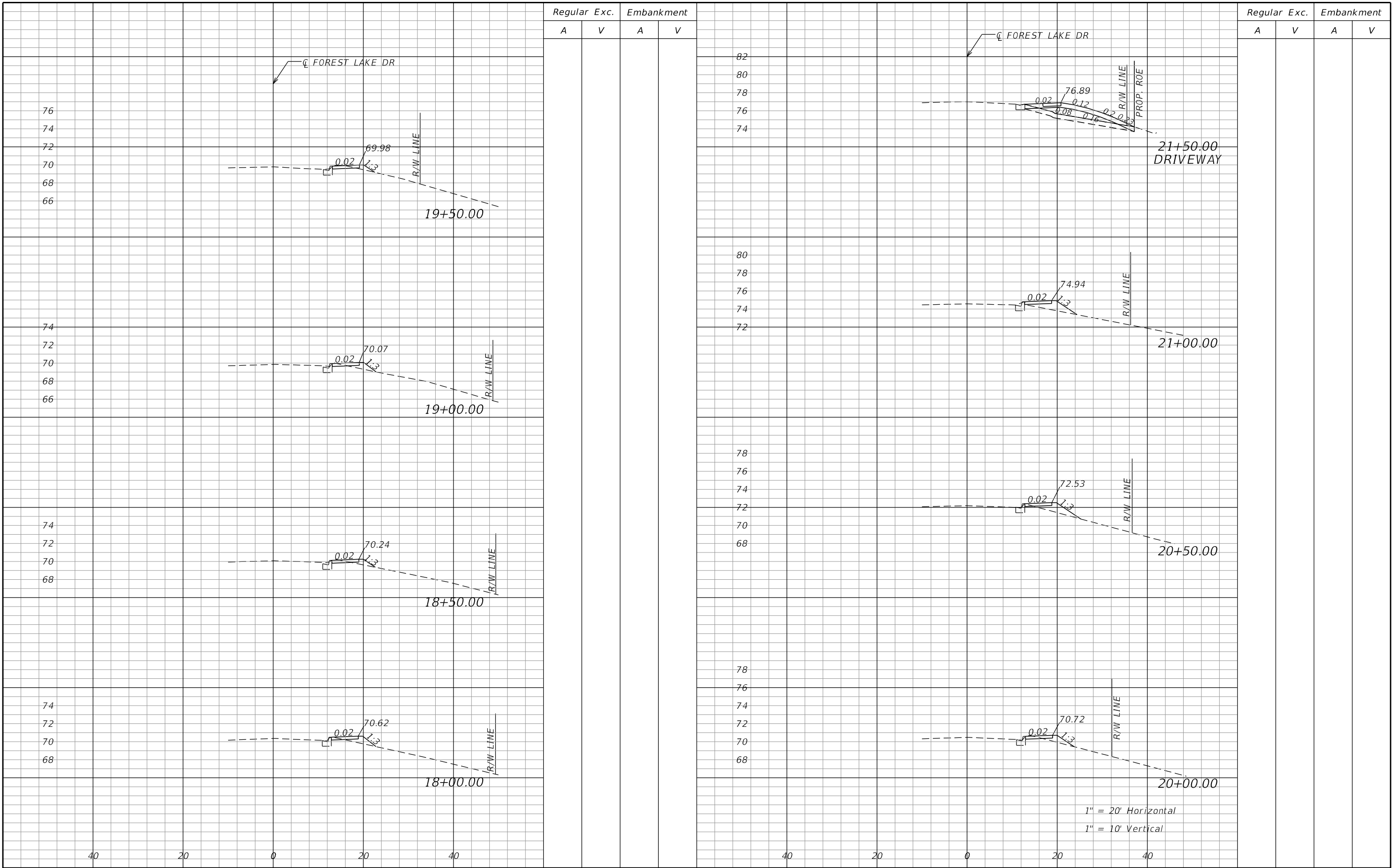
NOTE: TYPICAL FOR ALL CROSSWALKS WITHIN PROJECT LIMITS. REPAINT OR CONSTRUCT NEW STOP BARS AND STOP SIGNS (IF REQUIRED) AT ALL INTERSECTIONS WITHIN THIS PROJECT.

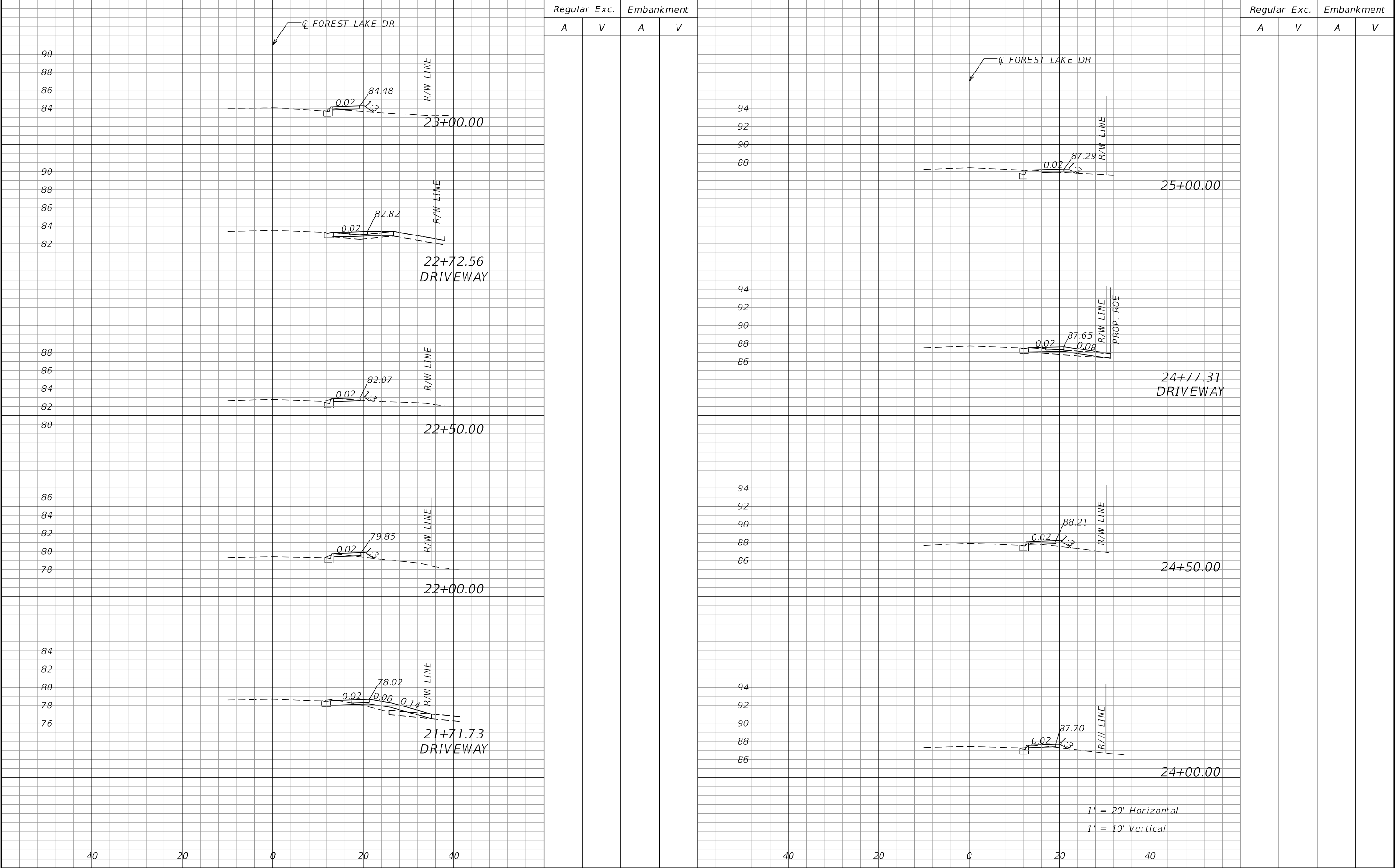


REVISIONS			 SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small>	SEMINOLE COUNTY ENGINEERING DIVISION		SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION			ROAD	COUNTY CIP No.		
				FOREST LAKE DR	02107063		21

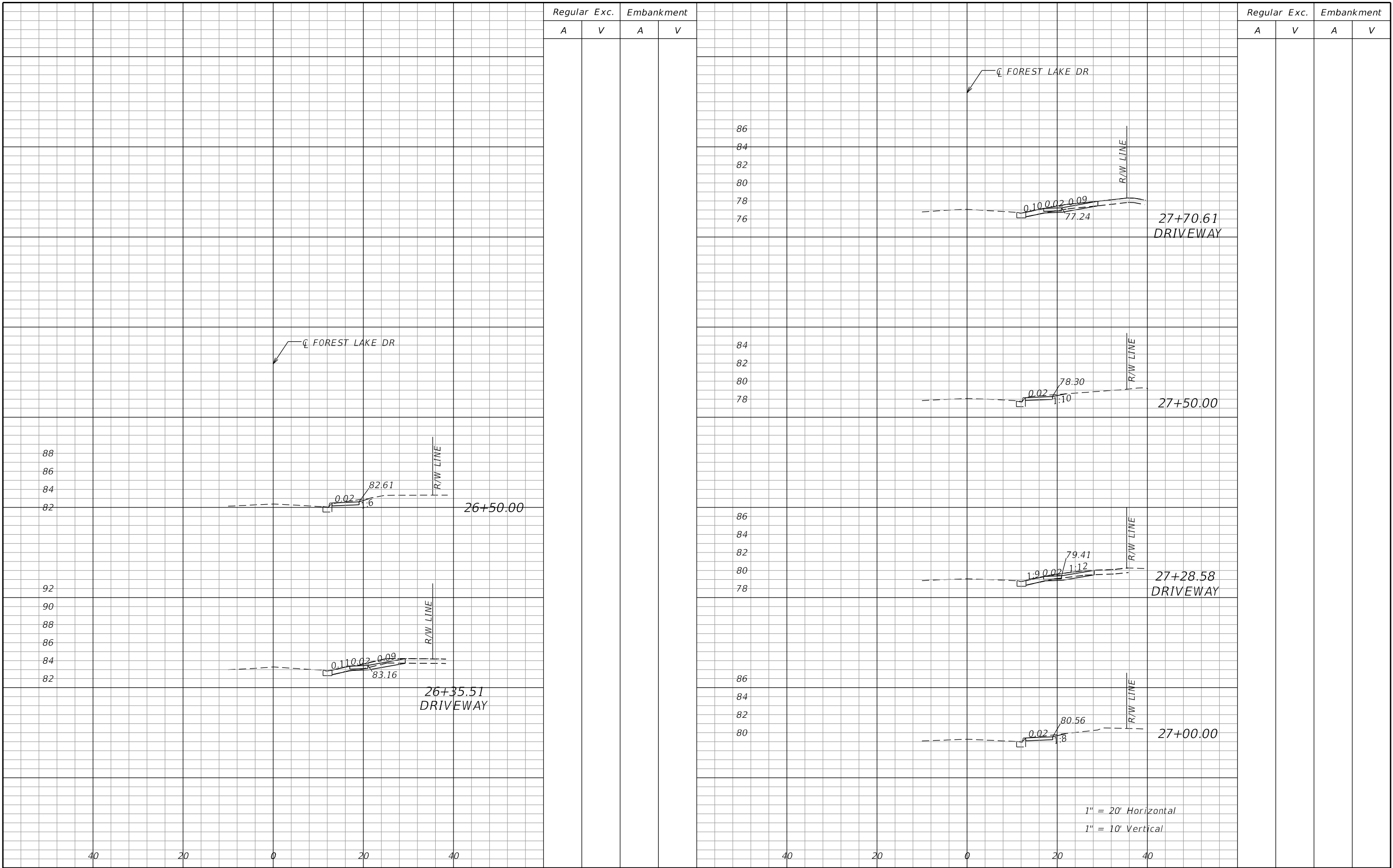


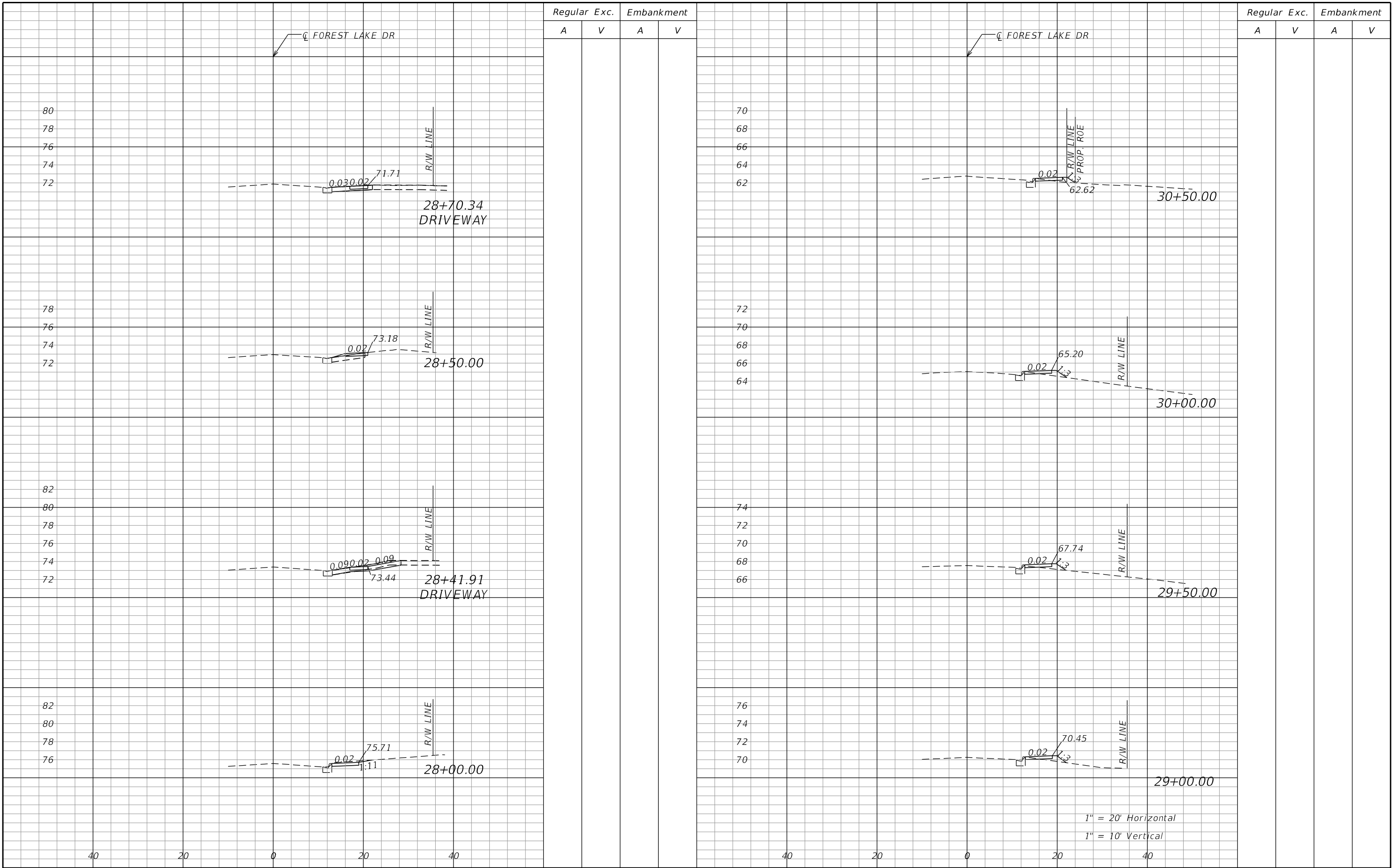
REVISIONS			<div> SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE</div> <div>DINO LUCARELLI P.E. No. 39556 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		CROSS-SECTIONS	SHEET NO.
	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		22
				FOREST LAKE DR	02107063		



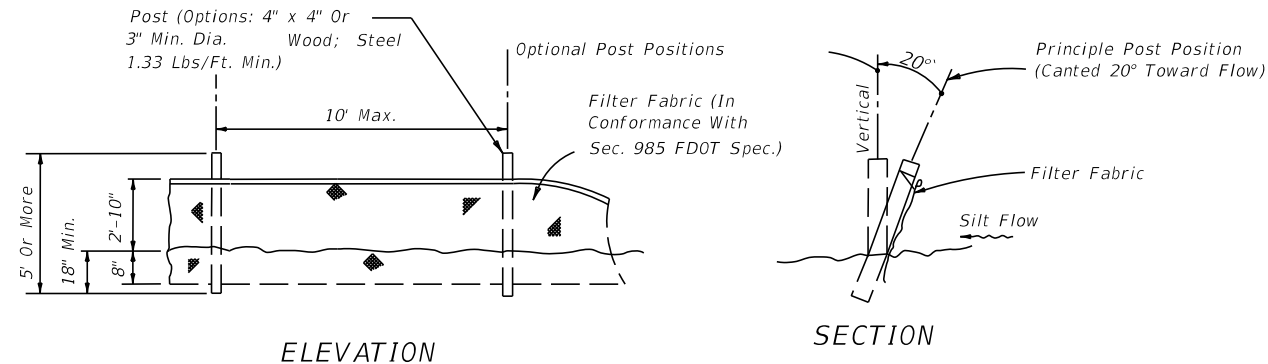


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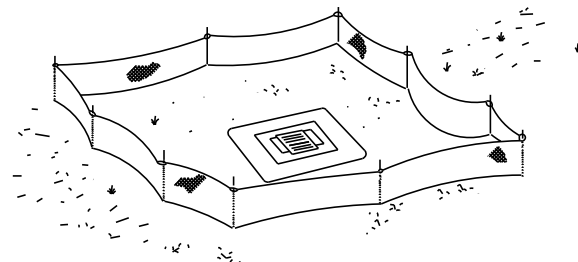




EROSION CONTROL NOTES



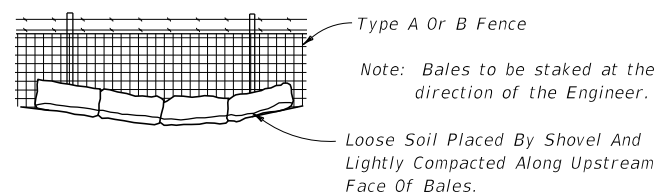
TYPE IV SILT FENCE



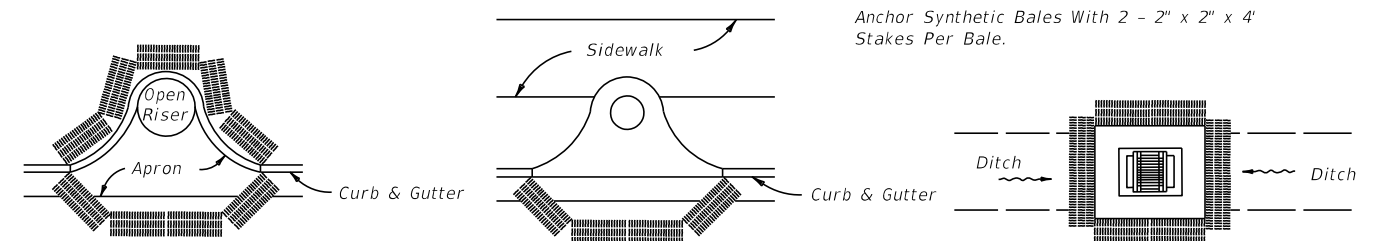
*Type IV Silt Fence Protection
Around Ditch Bottom Inlets.*

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS



1. THE CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGHOUT THE LIFE OF THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SYNTHETIC BALES, SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.
2. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
3. THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE CONTROLLED, SO THAT THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
4. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET. (SEE NOTE 16).
5. AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER, DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE.
6. THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
7. IF AFTER 14 DAYS, THE TEMPORARY GRASSES AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.
8. ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
9. ALL DISTURBED AREAS OUTSIDE THE EXCAVATION AND FILL LIMITS WILL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASSES OR VEGETATION AND RETENTION/DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE COUNTY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLACE ANY PORTION, WHICH IN THE OPINION OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR DUE TO CARELESSNESS OR NEGLIGENCE ON THE PART OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO CONTROL EROSION AND SEDIMENT RUNOFF FROM THE SITE DURING CONSTRUCTION. SUCH METHODS SHALL BE IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
13. ABSOLUTELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR DESIGNATED WETLAND AREA UNLESS SO SPECIFICALLY DESCRIBED BY THE PLANS AND GRANTED BY REASON OF PERMIT FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER SAID AREA.
14. PRIOR TO CLEARING AND GRUBBING, THE LIMITS OF WETLANDS, BUFFERS, AND MITIGATION AREAS SHALL BE CLEARLY MARKED ALONG THE PROPOSED RIGHT OF WAY LINE TO PROTECT THESE AREAS FROM ENCROACHMENT FROM CONSTRUCTION ACTIVITIES.
15. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN "SECTION 104," F.D.O.T. STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION. SIDE SLOPE MAY BE SEEDED AND MULCHED, PROVIDED THAT THE MULCH MATERIAL IS DISC HARROWED AND THE SIDE SLOPES ARE NEITHER GREATER THAN 4:1 NOR PART OF A DRAINAGE CONVEYANCE.
16. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SECTION 104 PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION.




PARTIAL INLET

COMPLETED INLET

DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

<i>REVISIONS</i>			 SEMINOLE COUNTY <small>FLORIDA'S NATURAL CHOICE</small>	<i>SEMINOLE COUNTY</i> <u><i>ENGINEERING DIVISION</i></u>		<i>STORMWATER PREVENTION PLAN</i>	<i>SHEET NO.</i>
	<i>DATE</i>	<i>DESCRIPTION</i>		<i>ROAD</i>	<i>COUNTY CIP No.</i>		
				<i>FOREST LAKE DR</i>	<i>02107063</i>		29