

CONTRACT PLANS COMPONENTS
ROADWAY PLANS

SEMINOLE COUNTY
ENGINEERING DIVISION

CONTRACT PLANS



INDEX OF ROADWAY PLANS

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GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2019-20 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <https://www.fdot.gov/design/standardplans>

APPLICABLE IRs IR536-001-01, IR521-001-01

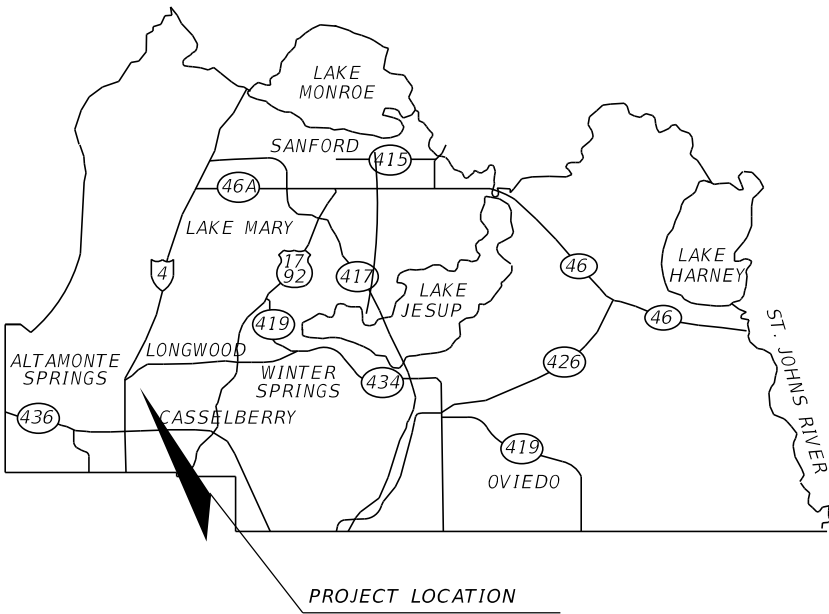
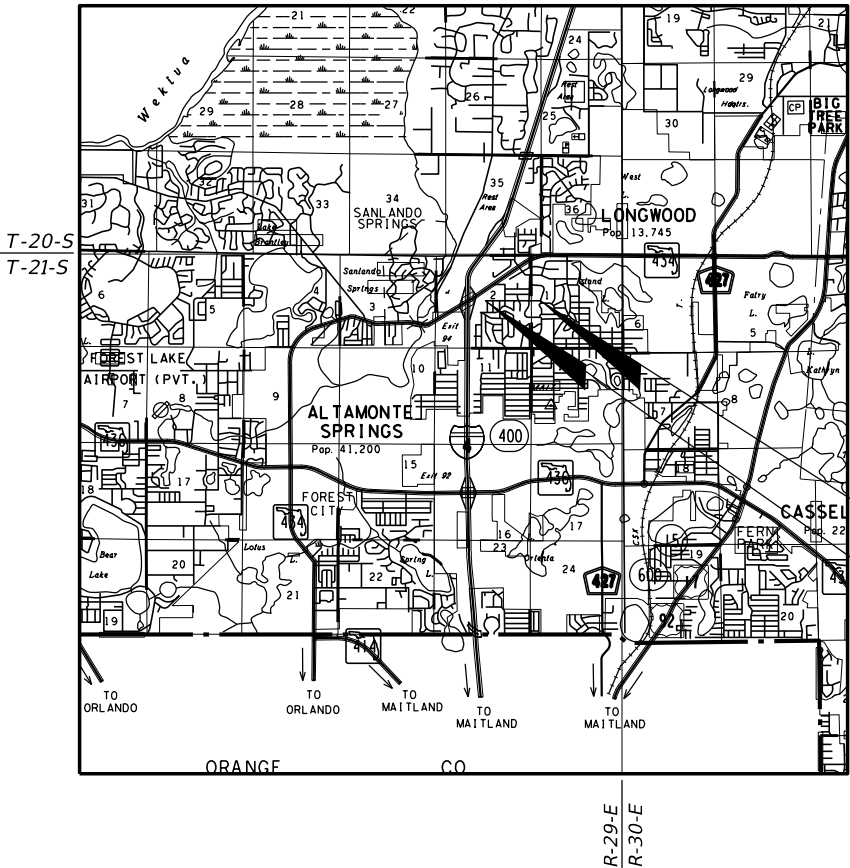
GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 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
BRENDA CAREY	DISTRICT 5
NICOLE GUILLET	COUNTY MANAGER

CARLTON STREET SIDEWALK
SEMINOLE COUNTY CIP No. 01785278



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

BEGIN SIDEWALK AT \angle CARLTON ST.
STA. 10+23.86

END SIDEWALK AT \angle CARLTON ST.
STA. 42+87.00

ROADWAY PLANS
ENGINEER OF RECORD:

ANGELA M. CARDONA, P.E. NO.: 79744
SEMINOLE COUNTY
100 E. FIRST STREET
SANFORD, FLORIDA
(407) 665-5661

SEMINOLE COUNTY
PUBLIC WORKS ENGINEERING
PROJECT MANAGER:

ANGELA M. CARDONA, P.E.

PROJECT LENGTH IS BASED ON \angle OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	3,263	0.62
BRIDGES		
NET LENGTH OF PROJECT	3,263	0.62
EXCEPTIONS		
GROSS LENGTH OF PROJECT	3,263	0.62

PUBLIC WORKS DIRECTOR: JEAN JREIJ, P.E.

FISCAL YEAR	SHEET NO.
19	1

SUMMARY OF PAY ITEMS			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-99	CHANGEABLE VARIABLE MESSAGE SIGN (TEMPORARY)	ED	148
104-10-3	STAKED SILT FENCE (TYPE III)	LF	2749
104-18	INLET PROTECTION SYSTEM	EA	10
110-1-1	CLEARING AND GRUBBING	LS	1
110-4-1	REMOVAL OF EXISTING CONCRETE SIDEWALK, DRIVEWAYS & CURB	SY	260
110-7-2	MAILBOX (RELOCATE EXISTING SINGLE)	EA	5
120-1	REGULAR EXCAVATION	CY	266
120-6	EMBANKMENT	CY	30
350-1-3	CEMENT CONCRETE PAVEMENT (PLAIN) (8")	SY	3
425-1-521	INLETS (DT BOT TYPE C) < 10'	EA	2
425-5	MANHOLE (ADJUST)	EA	1
425-6	VALVE/METER BOXES (ADJUST)	EA	2
430-1-323	CONCRETE PIPE CULVERT (CLASS III) (15")	LF	42
520-10	CONCRETE CURB, TYPE F	LF	147
520-2-4	CONCRETE CURB, TYPE D	LF	50
520-3	CONCRETE VALLEY GUTTER	LF	318
522-1	CONCRETE SIDEWALK 4" THICK	SY	1543
522-2	CONCRETE DRIVE AND SIDEWALK 6" THICK	SY	166
527-2	DETECTABLE WARNINGS (PREFORMED THERMOPLASTIC)	SF	230
570-1-2	PERFORMANCE TURF, SOD	SY	1422
700-1-11	SINGLE POST SIGN (FURNISH & INSTALL)(GROUND MOUNT)(UP TO 12 SF)	AS	1
700-1-50	SINGLE POST SIGN (RELOCATE)	EA	8
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	1383
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	96
711-17	THERMOPLASTIC, REMOVE EXIST. PAVEMENT MARKINGS	SF	152

- 101-1

INCLUDES THE COST OF 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 ALL DAMAGED IRRIGATION COMPONENTS TO THE PRE-CONSTRUCTION CONDITION AT HIS EXPENSE PRIOR TO COMPLETION OF THE PROJECT.
- 102-1

INCLUDES ALL ITEMS AND LABOR NECESSARY FOR THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN DESIGNED BY THE CONTRACTOR AND APPROVED BY SEMINOLE COUNTY ENGINEERING. THE CONTRACTOR SHALL NOTIFY SURROUNDING RESIDENCES AND BUSINESSES OF THE CONSTRUCTION BY FLYER PROVIDED BY SEMINOLE COUNTY.
- 102-99

INCLUDES COST FOR 2 PCMS TO BE SET-UP 7 DAYS PRIOR TO CONSTRUCTION AND FOR THE PROJECT DURATION. CONTRACTOR TO COORDINATE LOCATION WITH SEMINOLE COUNTY PROJECT MANAGER.
- 110-1-1

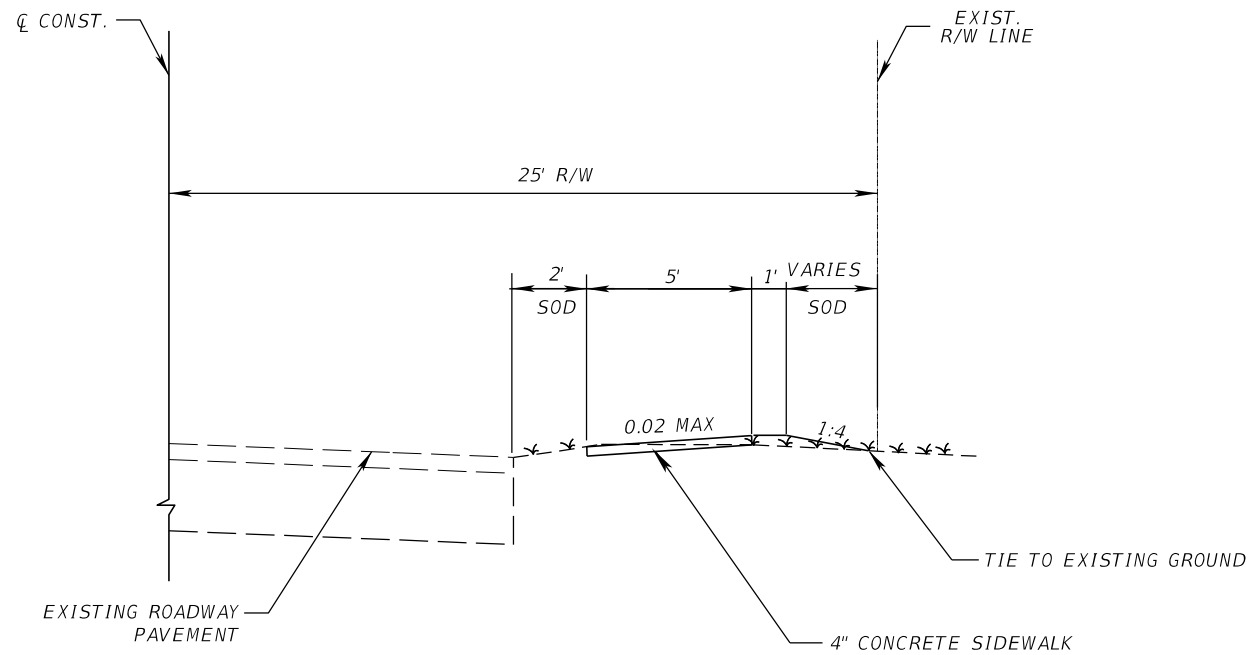
INCLUDES THE COST OF REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS, VEGETATION, DEBRIS, TRIMMING OF TREES AND SHRUBS, ROOT REMOVAL, EXISTING SIDEWALK, CURB AND GUTTER, WALL, FENCES, DRAIN FIELDS PIPE, PAVEMENT, AND OTHER ITEMS, IN ORDER TO CONSTRUCT THE PROJECT. NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL FROM THE SEMINOLE COUNTY PROJECT MANAGER. ALSO INCLUDES THE CUTS FOR SAWCUTTING EXISTING PAVEMENT OR CONCRETE AND TREE PROTECTION BARRICADES.
- 425-1-521

INCLUDES THE COST OF STORMWATER DRAINAGE STRUCTURE REMOVAL AS INDICATED IN THE PLANS.
- 522-1

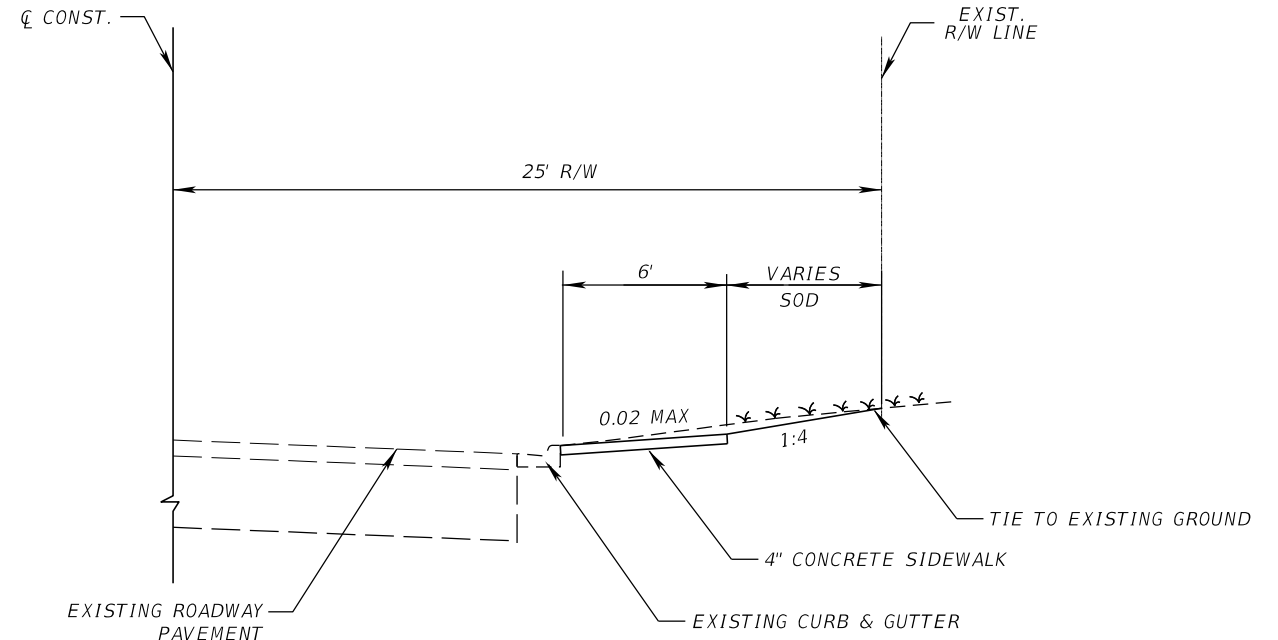
INCLUDES THE COST OF UTILITY ADJUSTMENTS OR COORDINATION DUE TO SIDEWALK PLACEMENT. INCLUDES THE COST OF CURB RAMPS AND THICKENED EDGE FOR HANDRAIL. NO CURING COMPOUND SHALL BE APPLIED.
- 570-1-2

INCLUDES THE COST AND APPLICATION OF FERTILIZER AND WATER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. INCLUDES THE COST OF SOD TO BE PLACED AS DIRECTED BY THE PROJECT MANAGER. TYPES OF SOD MAY VARY. CONTRACTOR TO MATCH EXISTING SOD.
- 700-1-50

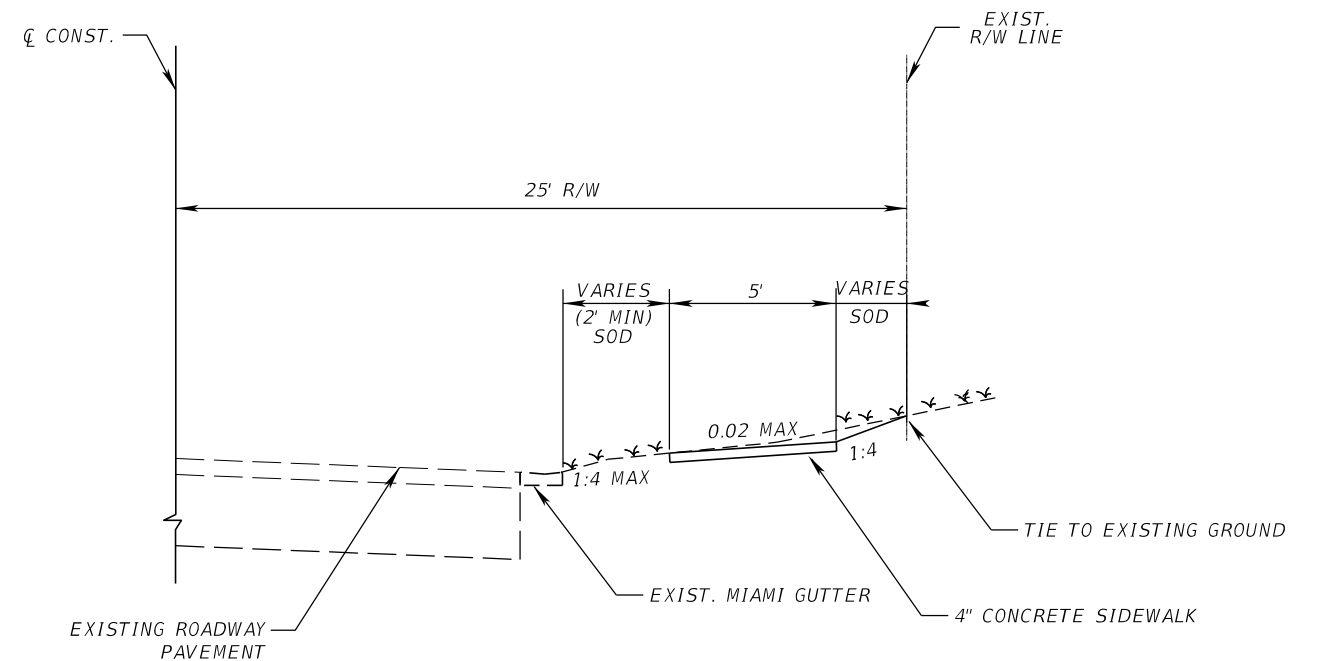
INCLUDES THE COST OF NEW POST IF NECESSARY TO MEET THE STANDARD MOUNTING HEIGHT REQUIREMENTS.




TYPICAL SECTION
CARLTON ST.
STA. 10+23.86 TO STA. 25+03.35 (RT)

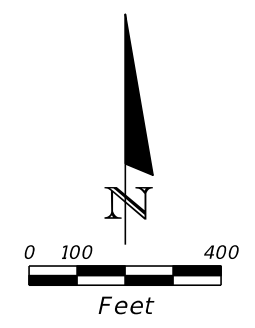
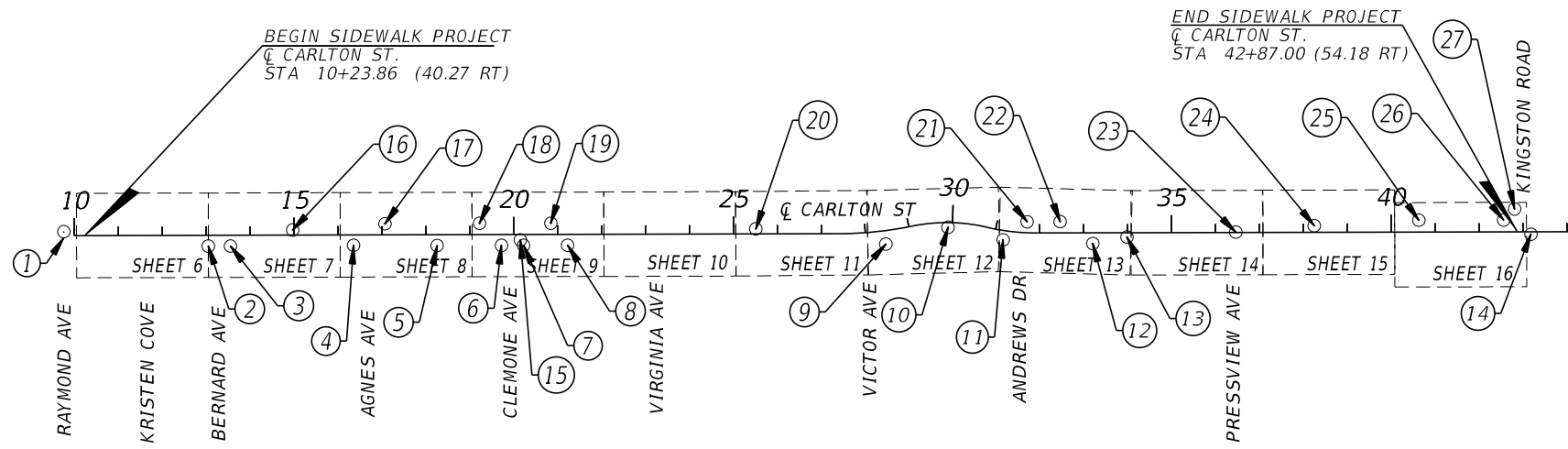


TYPICAL SECTION
CARLTON ST.
STA 25+03.35 TO STA 27+98.95 (RT)
STA 30+58.92 TO STA 34+74.04 (RT)




TYPICAL SECTION
CARLTON ST.
STA. 34+74.04 TO STA 42+87.00 (RT)

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON ST.	01785278		3



CL CARLTON STREET

①	STA 9+76.20 (8.89' RT) SITE BENCHMARK NAIL & DISC SSMC TRAV. PT ELEVATION = 76.05	⑤	STA 18+25.68 (24.96' RT) 1" IRON PIPE NO ID	⑨	STA 28+43.15 (30.30' RT) 5/8" IRON ROD SSMC LB 2108	⑬	STA 33+98.91 (9.50' RT) SITE BENCHMARK NAIL & DISC SSMC TRAV. PT ELEVATION = 84.66	⑰	STA 17+07.07 (25.00 LT) 4"x4" CONCRETE MONUMENT NO ID	⑳	STA 32+46.97 (25.88 LT) 1" IRON PIPE NO ID
②	STA 13+04.98 (24.77' RT) 1/2" IRON PIPE NO ID	⑥	STE 19+72.10 (24.84' RT) 1/2" IRON PIPE NO ID	⑩	STA 29+89.90 (10.82' RT) SITE BENCHMARK NAIL & DISC SSMC TRV. PT ELEVATION = 70.62	⑭	STA 43+18.09 (5.52' RT) SITE BENCHMARK NAIL & DISC ELEVATION = 64.39	⑱	STA 19+22.14 (25.40 LT) 4"x4" CONCRETE MONUMENT PRM 1100	㉓	STA 36+46.59 (1.02 LT) SEMINOLE COUNTY NAIL & DISC
③	STA 13+55.46 (24.82' RT) 5/8" IRON ROD LS 2005 LB 5073	⑦	STE 20+22.38 (24.99' RT) 1/2" IRON PIPE NO ID	⑪	STA 31+19.91 (21.13' RT) NAIL & DISC NO ID	⑮	STA 20+15.11 (12.63' RT) SITE BENCHMARK NAIL & DISC SSMC TRAV.PT. ELEVATION= 76.86	㉒	STA 20+84.40 (25.23 LT) 4"x4" CONCRETE MONUMENT NO ID	㉔	STA 38+25.02 (15.01 LT) SITE BENCHMARK NAIL & DISC SSMC TRAV.PT. ELEVATION= 88.20
④	STA 16+35.48 (23.62' RT) 1" IRON PIPE NO ID	⑧	STA 21+22.39 (24.78' RT) 1" IRON PIPE NO ID	⑫	STA 33+20.99 (24.03' RT) 1/4" IRON PIPE NO ID	⑯	STA 14+96.96 (11.42 LT) SITE BENCHMARK NAIL & DISC SSMC TRAV.PT. ELEVATION= 77.42	㉑	STA 25+50.79 (11.20 LT) SITE BENCHMARK NAIL & DISC SSMC TRAV.PT. ELEVATION= 76.24	㉕	STA 40+62.96 (27.08 LT) 5/8" IRON ROD PLS 4200
								㉖	STA 42+56.01 (26.92 LT) 5/8" IRON ROD NO ID	㉗	STA 42+81.00 (51.76 LT) NAIL & DISC NO ID

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON ST.	01785278		
						4		

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PROJECT NOTES

1.

BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN DATUM OF 1988 (NAVD 88) AND FIELD SURVEY BY SOUTHEASTERN SURVEYING & MAPPING CORPORATION, DATED 7/3/2019.
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 SHOULD 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. CARLTON ST. SAME AS B SURVEY SHOWING ON SURVEY PREPARED BY SOUTHEASTERN SURVEYING & MAPPING CORPORATION, DATED 7/3/2019.
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 INDEXES 304 AND 310.
6.

ALL PERSONAL 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 RESPONSABILITY 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 RESPONSABILITY 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.

<u>UTILITY</u>	<u>(CONTACT)</u>	<u>PHONE</u>
CHARTER COMMUNICATIONS	(MARVIN USRY JR)	407-532-8509
CITY OF ALTAMONTE SPRINGS	(FRANKLIN CABRERA)	407-571-8342
CENTURYLINK	(BILL MCCLOUD)	850-599-1444
DUKE ENERGY	(STEPHANIE OLMO)	407-905-3376
MCI	(MCI INVESTIGATIONS)	469-886-4091
SEMINOLE CO. TRAFFIC ENGINEER.	(NOEL OTEYZA)	407-665-5640
SEMINOLE COUNTY	(PAUL ZIMMERMAN)	407-665-2040
UTILITIES INC OF FLORIDA SANLANDO	(BRYAN GONGRE)	866-842-8432 Ext: 1360

10.

GRADE SIDEWALK FOR POSITIVE DRAINAGE, CROSS SLOPE NOT TO EXCEED 1:50 (2%). NO SIDEWALK SHALL HAVE A LONGITUDINAL GRADE (SLOPE) GREATER THAT 1:20 (5%), CURB RAMPS SHALL NOT EXCEED 1:12 (8.33%).
11.

THE CONTRACTOR MAY FIELD-ADJUST THE LOCATION OF THE SIDEWALK, AS NECESSARY, TO MAINTAIN 2-FEET OFFSET DISTANCE TO ALL FIXED OBSTACLES AND VERTICAL DROP-OFFS. ANY ADJUSTMENT MUST BE APPROVED BY SEMINOLE COUNTY ENGINEERING INSPECTOR PRIOR TO PLACEMENT OF ANY CONCRETE.
12.

IT IS THE RESPONSABILITY OF THE CONTRACTOR TO CHECK ALL CONCRETE FORMS PRIOR TO CONCRETE BEING POURED AND CONFIRM THAT THE FINISHED 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 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 IMMEDIATE CONSTRUCTION AREA DISTURBED BY THE CONTRACTOR WILL BE SODDED AT THE CONTRACTOR'S EXPENSE. WITHIN 48 HOURS OF NOTIFICATION BY THE SEMINOLE COUNTY PROJECT MANAGER.
16.

IRRIGATION LINES DAMAGED DURING CONSTRUCTION ARE TO BE CAPPED IMMEDIATELY AND REPORTED TO THE SEMINOLE COUNTY ENGINEER INSPECTOR. IT IS THE RESPONSABILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE THE DAMAGED 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 WITH A WRITTEN CERTIFICATION FROM THE PLANT THAT THE CONCRETE IS A FDOT CLAS I MIX FOR 3000 PSI CONCRETE.
19.

THE CONTRACTOR SHALL REMOVE AND DISPOSE PROPERLY OF ALL CONSTRUCTION DEBRIS 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 OF THE SEMINOLE COUNTY ENGINEERING DIVISION PROJECT MANAGER.
23.

CONTRACTOR TO PERFORM LOCATES AND IDENTIFY ANY UNDERGROUND ELECTRIC FACILITIES NOT IDENTIFIED ON THE PLANS. CONTRACTOR TO ADHERE TO APPLICABLE OSHA REQUIREMENTS REGARDING PERFORMING WORK AND OPERATING EQUIPMENT ADJACENT TO ENERGIZED OVERHEAD AND UNDERGROUND ELECTRIC CONDUCTORS

EROSION CONTROL NOTES

1.

THE EROSION CONTROL MEASURES PER FDOT EROSION AND SEDIMENT CONTROL MANUAL ARE THE MINIMUN 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 MANAGMENT 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 MANAGMENT 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 ACCUMMULATION 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 INPECTOR'S ACCEPTANCE.

TEMPORARY TRAFFIC CONTROL NOTES

1.

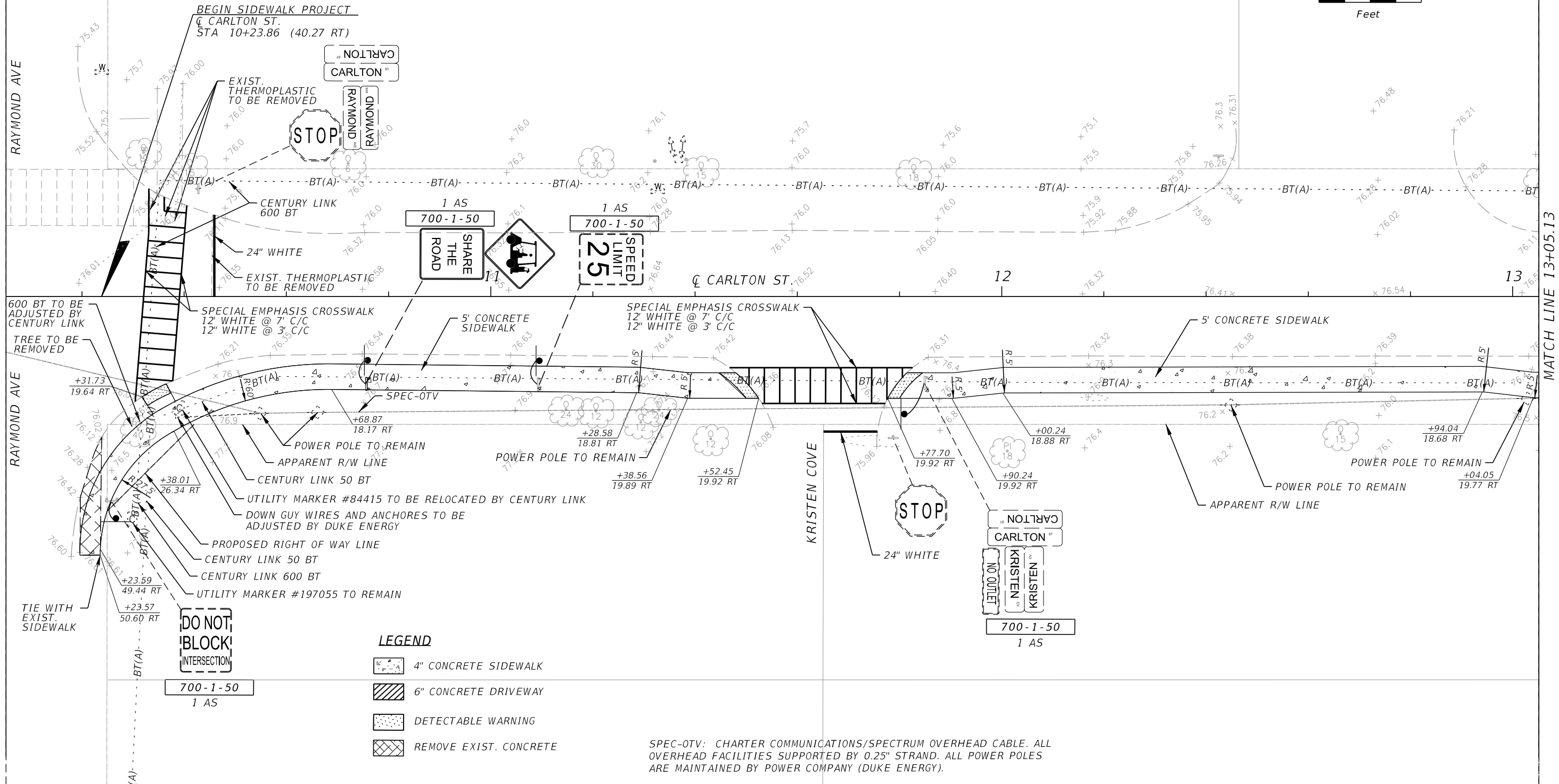
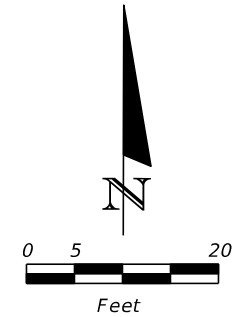
VEHICLULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACORDANCE WITH FDOT DESIGN STANDARDS, INDEX 600 SERIES, AND THE SATANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM.
2.


SEMINOLE COUNTY IS ADMINISTERING THE CONSTRUCTION OF THIS PROJECT. IT IS THE COUNTY'S POLICIES TO PLACE THE RESPONSABILITY FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION ON THE CONTRACTOR. 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.
2.

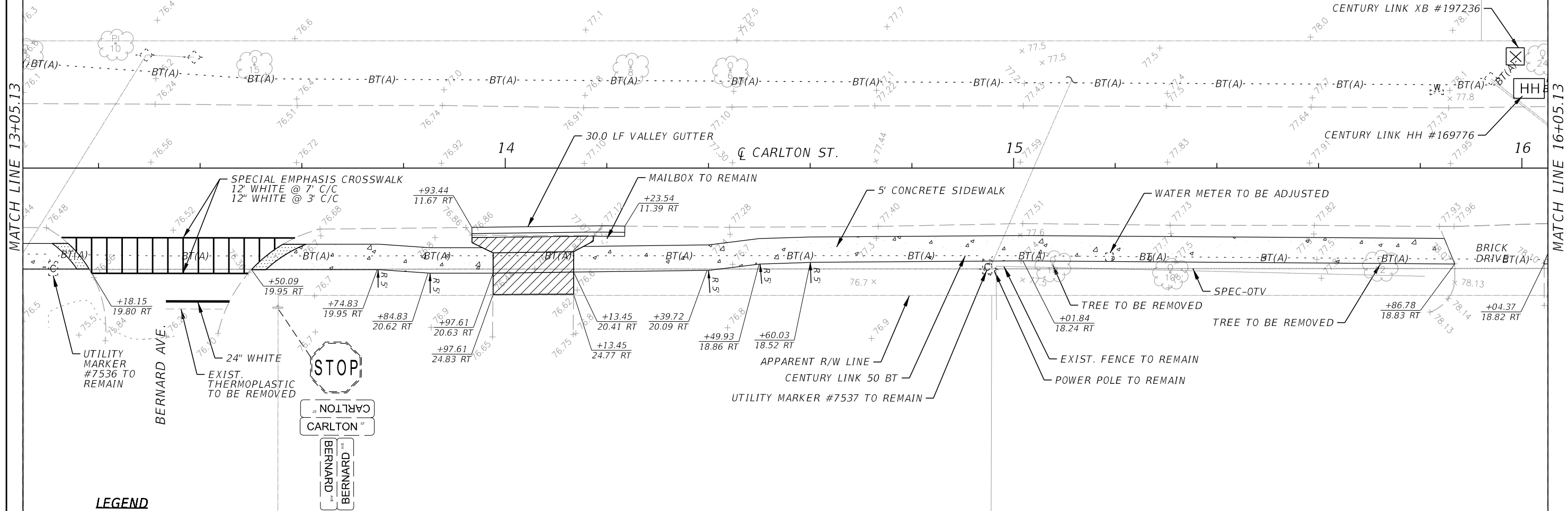
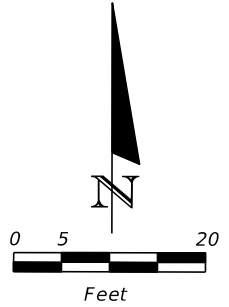
WORK HOURS ARE FROM 9:00 A.M. TO 4:00 P.M. MONDAY TO FRIDAY. WORK WILL NOT BE ALLOWED ON WEEKENDS OR HOLIDAYS OBSERVED BY SEMINOLE COUNTY.
3.

USE CHANGEABLE MESSAGE SIGNS AT BEGIN AND END PROJECT 500' BEFORE SIGNAGE (7) DAYS PRIOR TO CONSTRUCTION AND FOR THE PROJECT DURATION

REVISIONS				<div><div><div><div><div><div></div></div></div><div><div><div></div><div><div>SEMINOLE COUNTY</div></div></div><div><div><div>FLORIDA'S NATURAL CHOICE</div></div></div></div></div><div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div></div><div>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div></div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PROJECT NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON ST.	01785278		5



REVISIONS				<div><p>SEMINOLE COUNTY ENGINEERING DIVISION</p><p>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</p></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		6
					CARLTON STREET	01785278		




LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVEWAY
- DETECTABLE WARNING
- REMOVE EXIST. CONCRETE

SPEC-OTV: CHARTER COMMUNICATIONS/SPECTRUM OVERHEAD CABLE. ALL OVERHEAD FACILITIES SUPPORTED BY 0.25" STRAND. ALL POWER POLES ARE MAINTAINED BY POWER COMPANY (DUKE ENERGY).

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

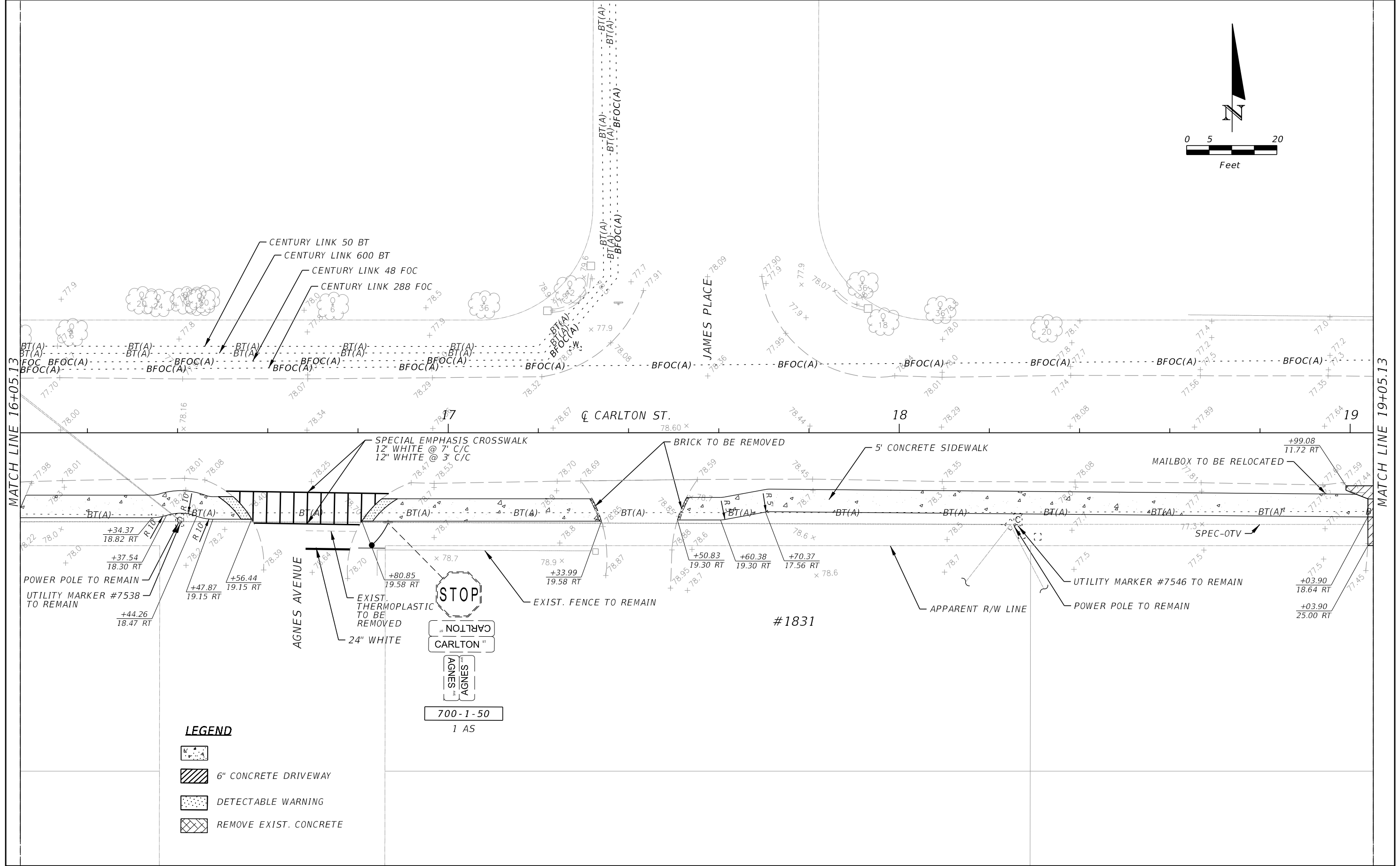
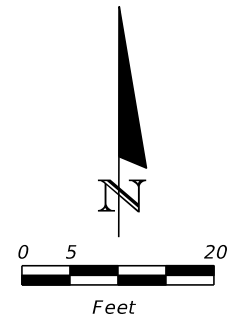


**SEMINOLE COUNTY
ENGINEERING DIVISION**
ANGELA M. CARDONA
P.E. No. 79744
100 East 1st. Street
Sanford, FL 32771

SEMINOLE COUNTY ENGINEERING DIVISION	
ROAD	COUNTY CIP No.
CARLTON STREET	01785278


PLAN SHEET	
7	

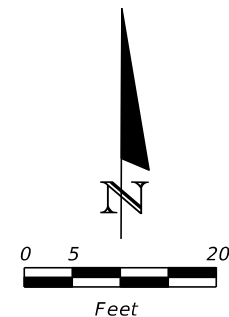
SHEET NO.
7



LEGEND

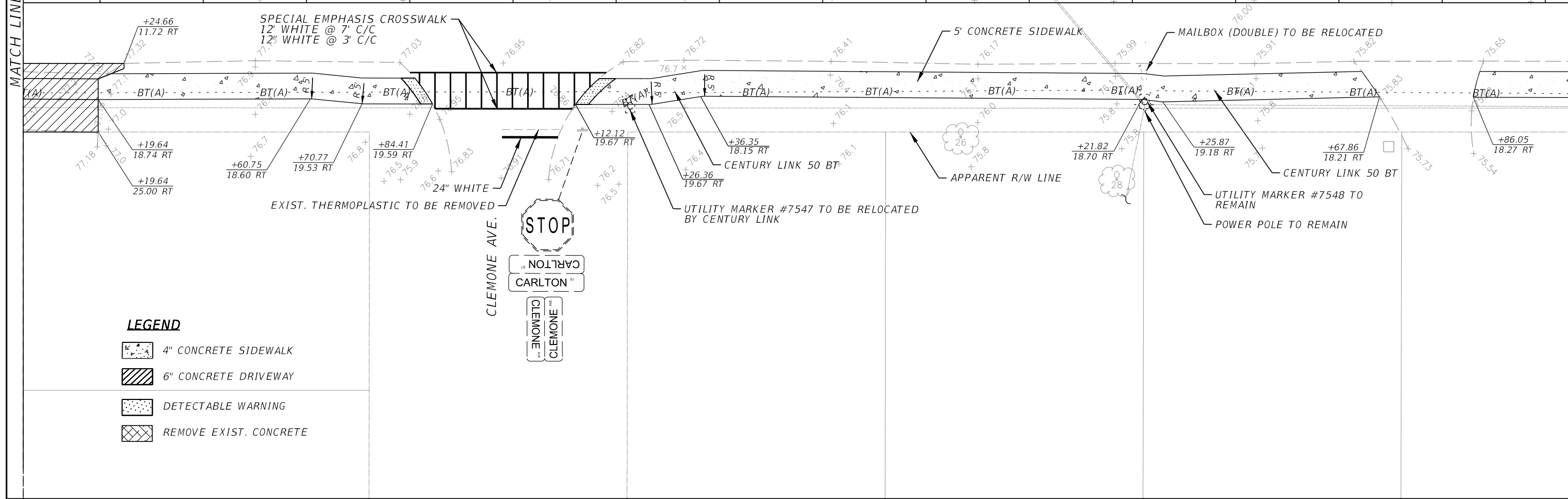
- 6" CONCRETE DRIVEWAY
- DETECTABLE WARNING
- REMOVE EXIST. CONCRETE

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON STREET	01785278		8




MATCH LINE 19+05.13

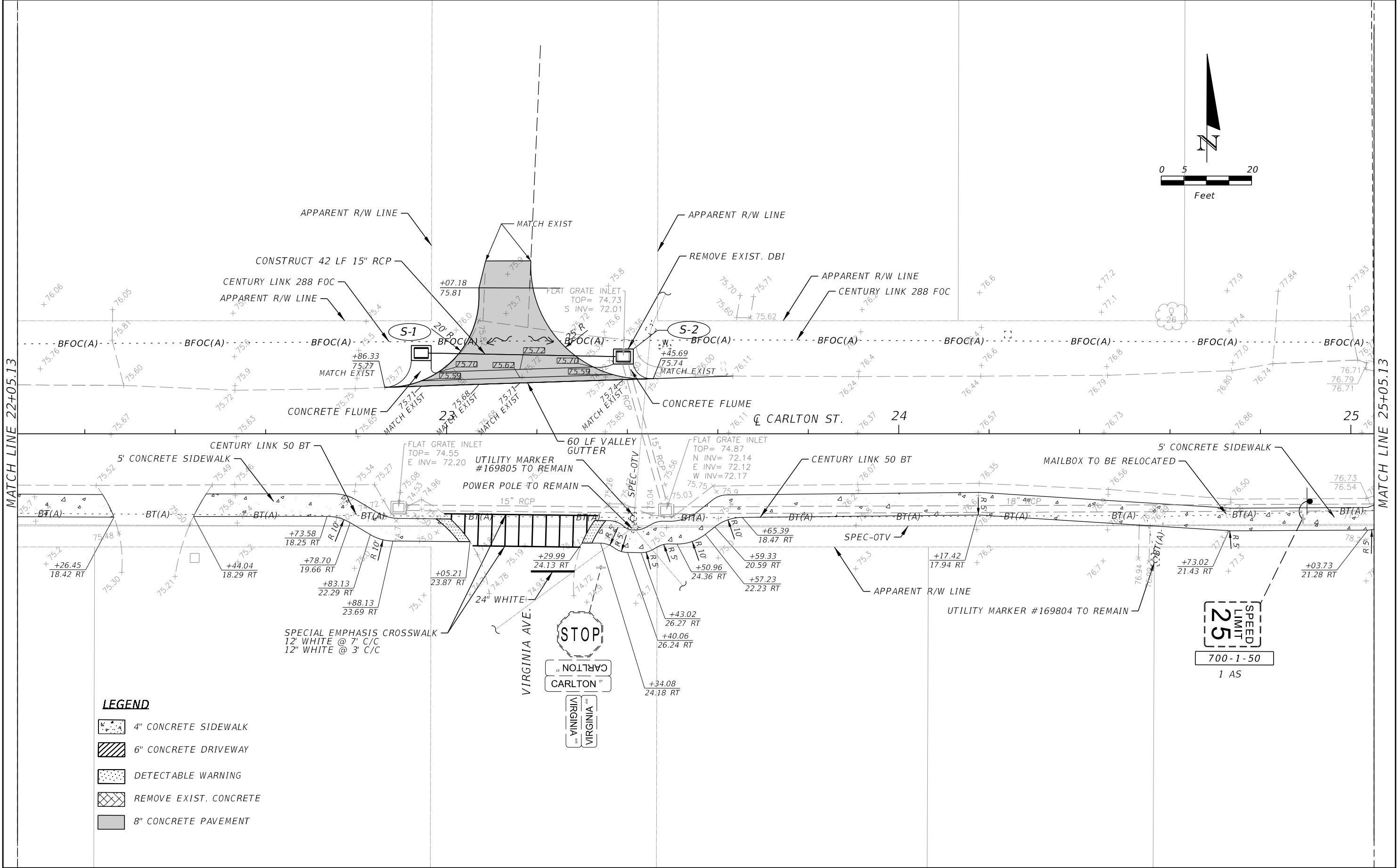
MATCH LINE 22+05.13

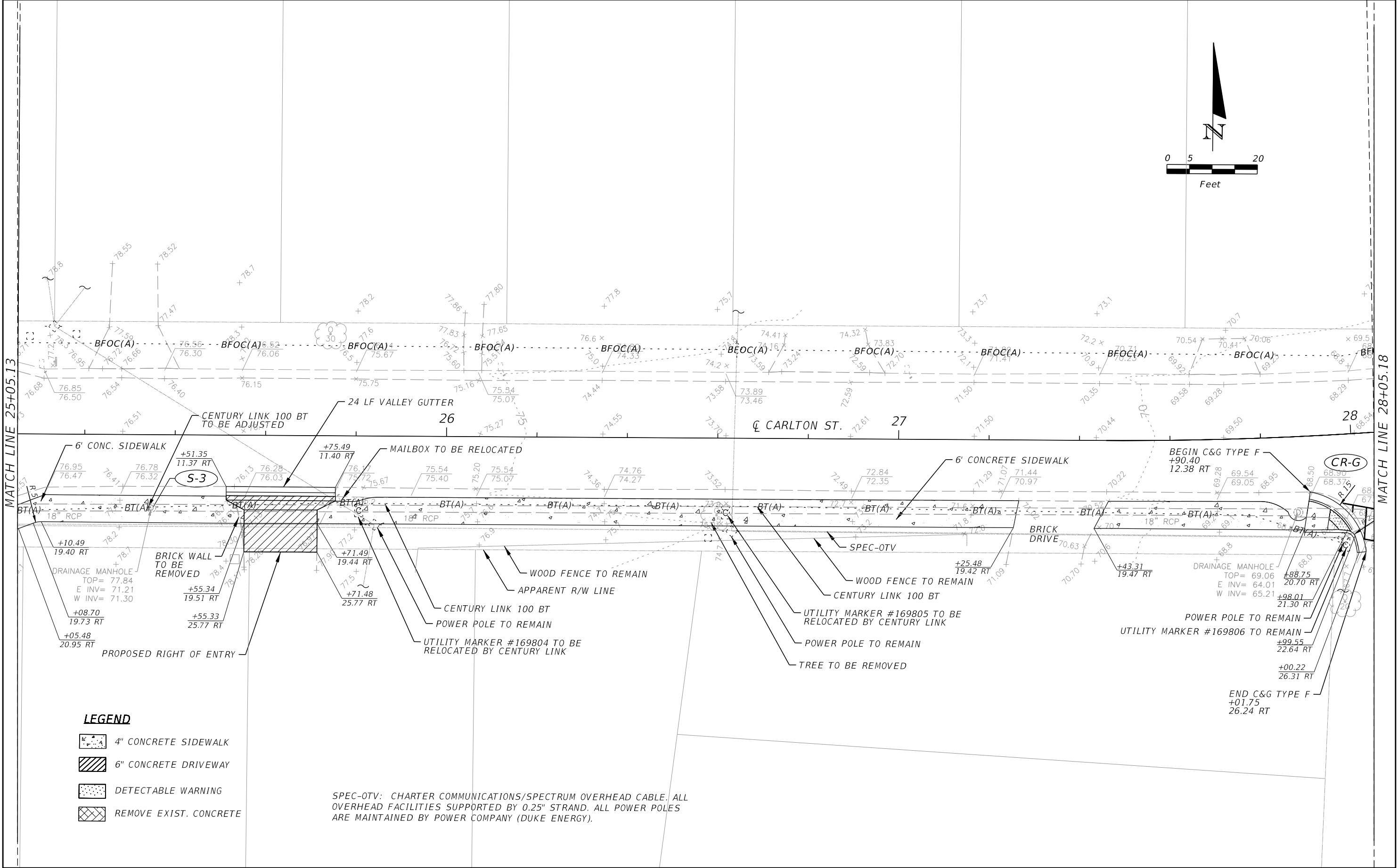


LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE DRIVEWAY
- DETECTABLE WARNING
- REMOVE EXIST. CONCRETE

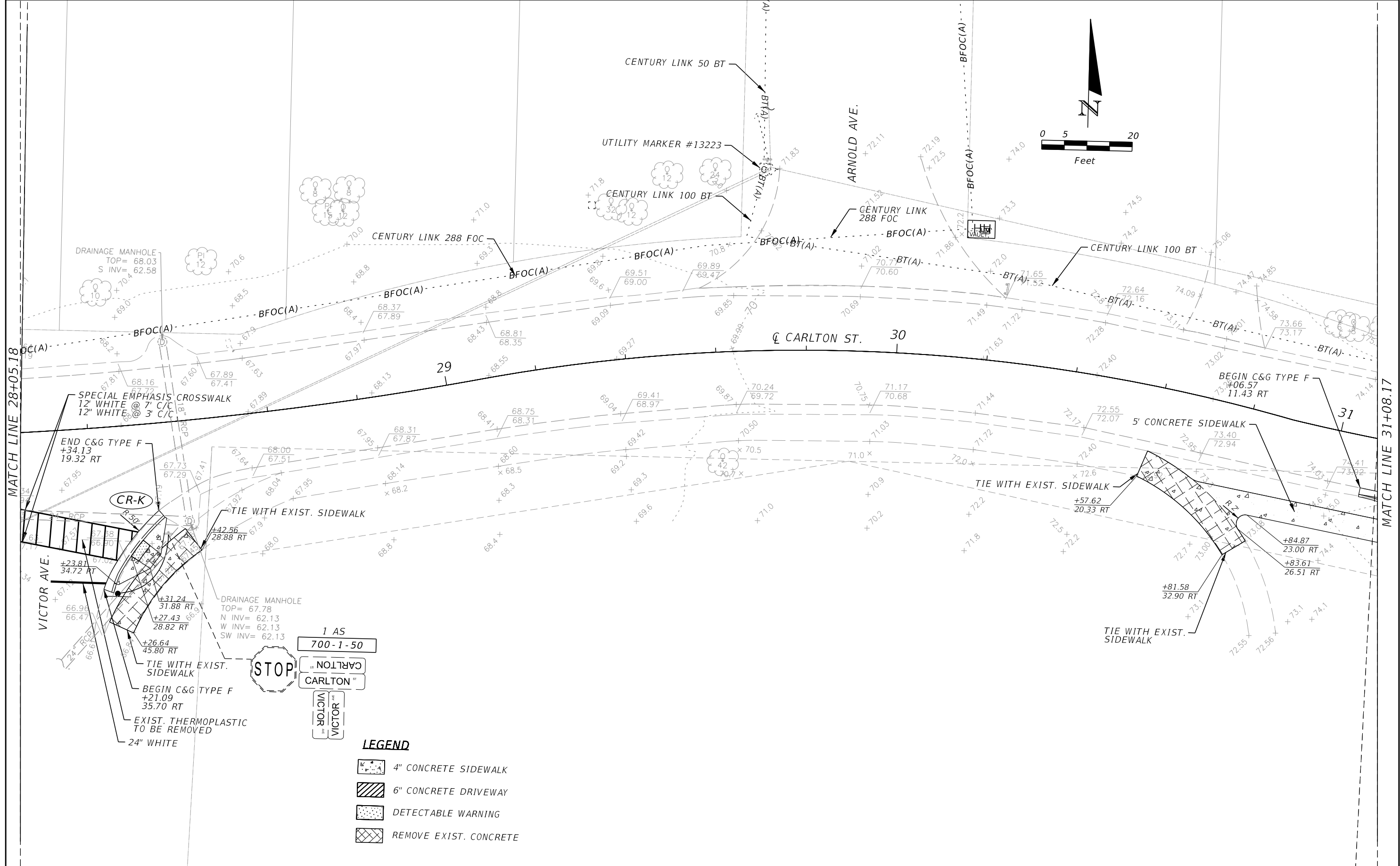
REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		9
					CARLTON STREET	01785278		




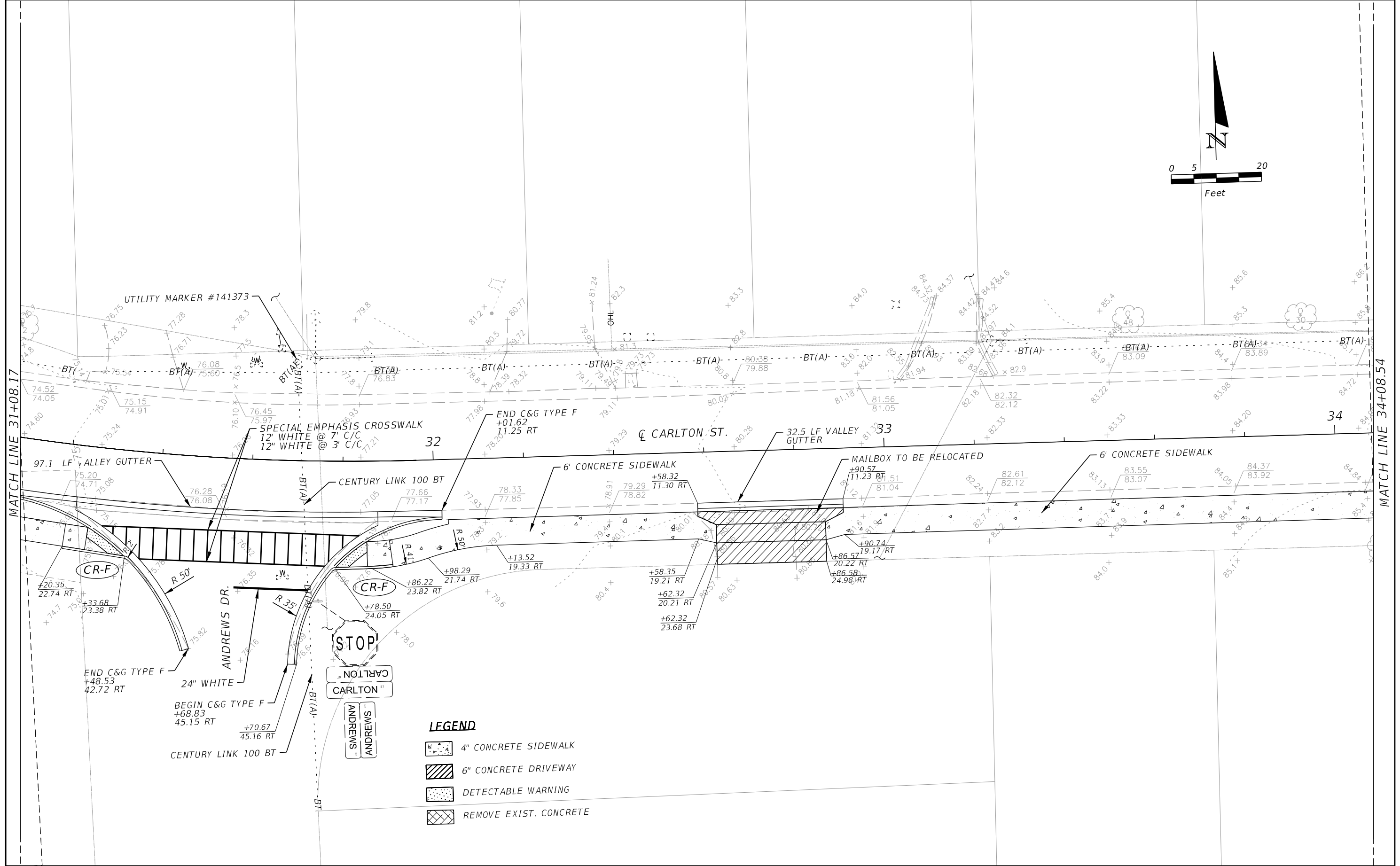
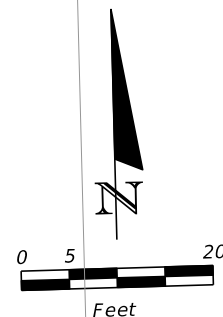



REVISIONS				<div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON STREET	01785278		11

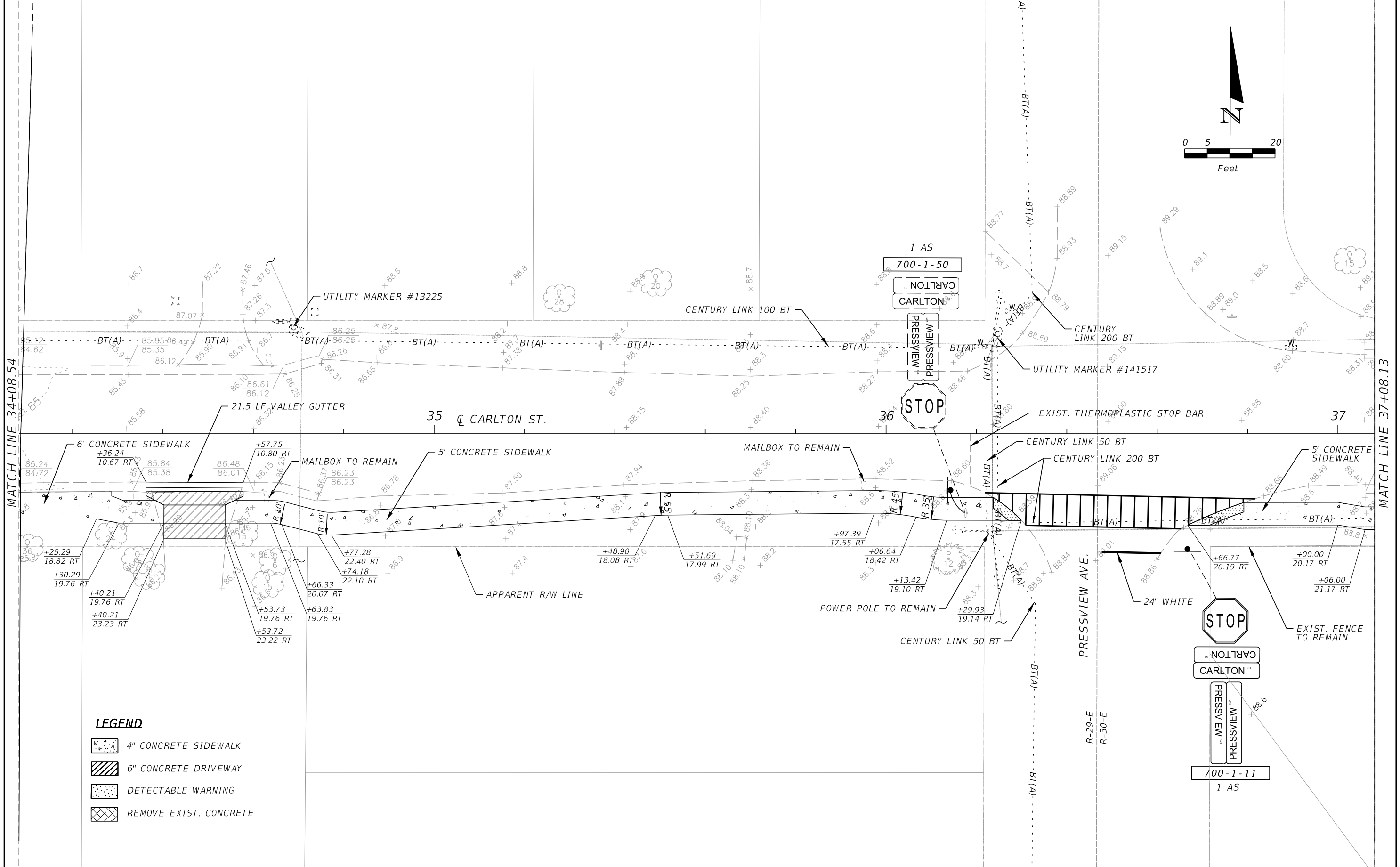
SPEC-OTV: CHARTER COMMUNICATIONS/SPECTRUM OVERHEAD CABLE. ALL OVERHEAD FACILITIES SUPPORTED BY 0.25" STRAND. ALL POWER POLES ARE MAINTAINED BY POWER COMPANY (DUKE ENERGY).




REVISIONS				<div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON STREET	01785278		

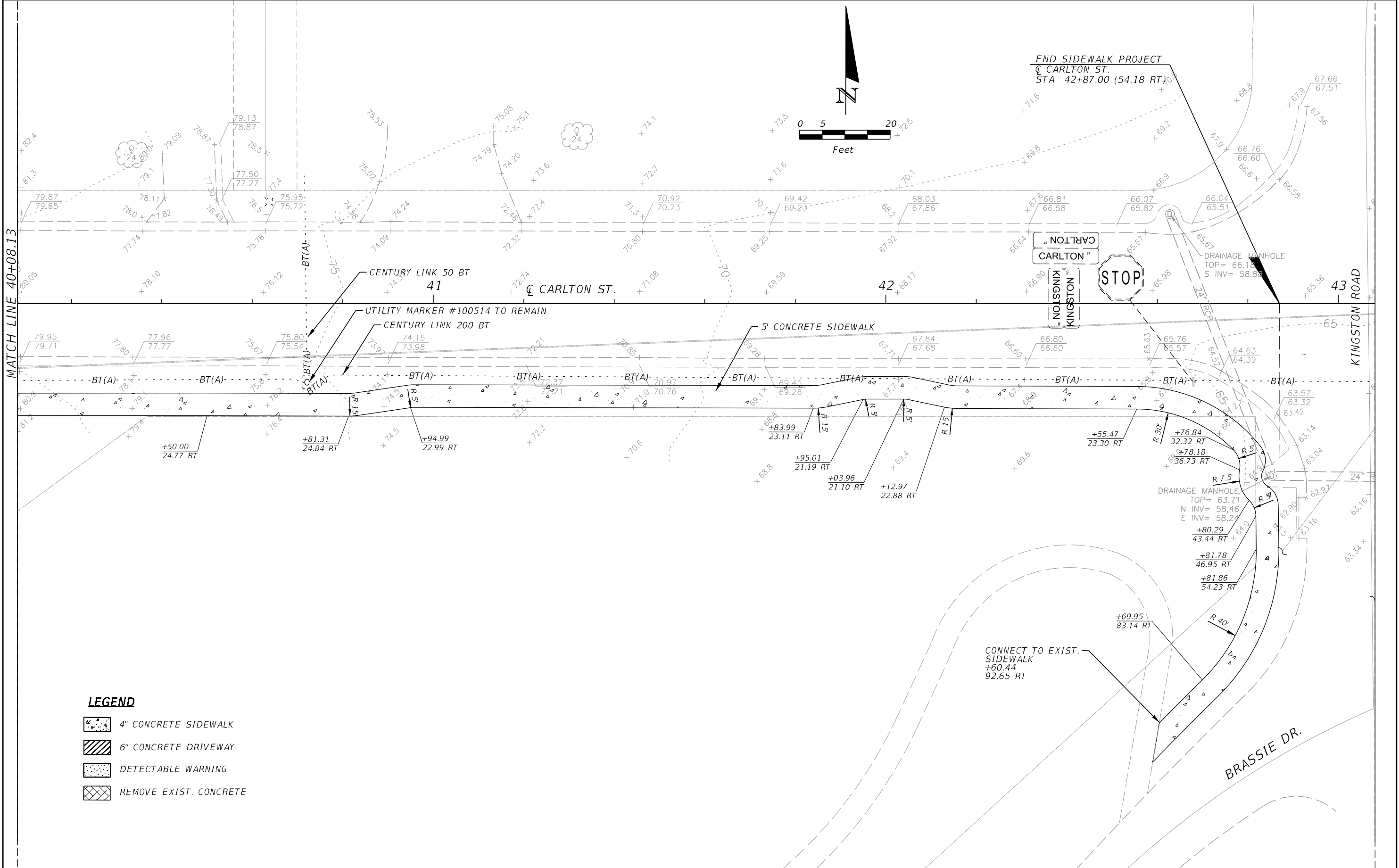


REVISIONS				<div><div>SEMINOLE COUNTY ENGINEERING DIVISION</div><div>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div></div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		13
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






REVISIONS				 <p>SEMINOLE COUNTY ENGINEERING DIVISION</p> <p>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</p>	SEMINOLE COUNTY ENGINEERING DIVISION		<p>PLAN SHEET</p>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		14
					CARLTON STREET	01785278		

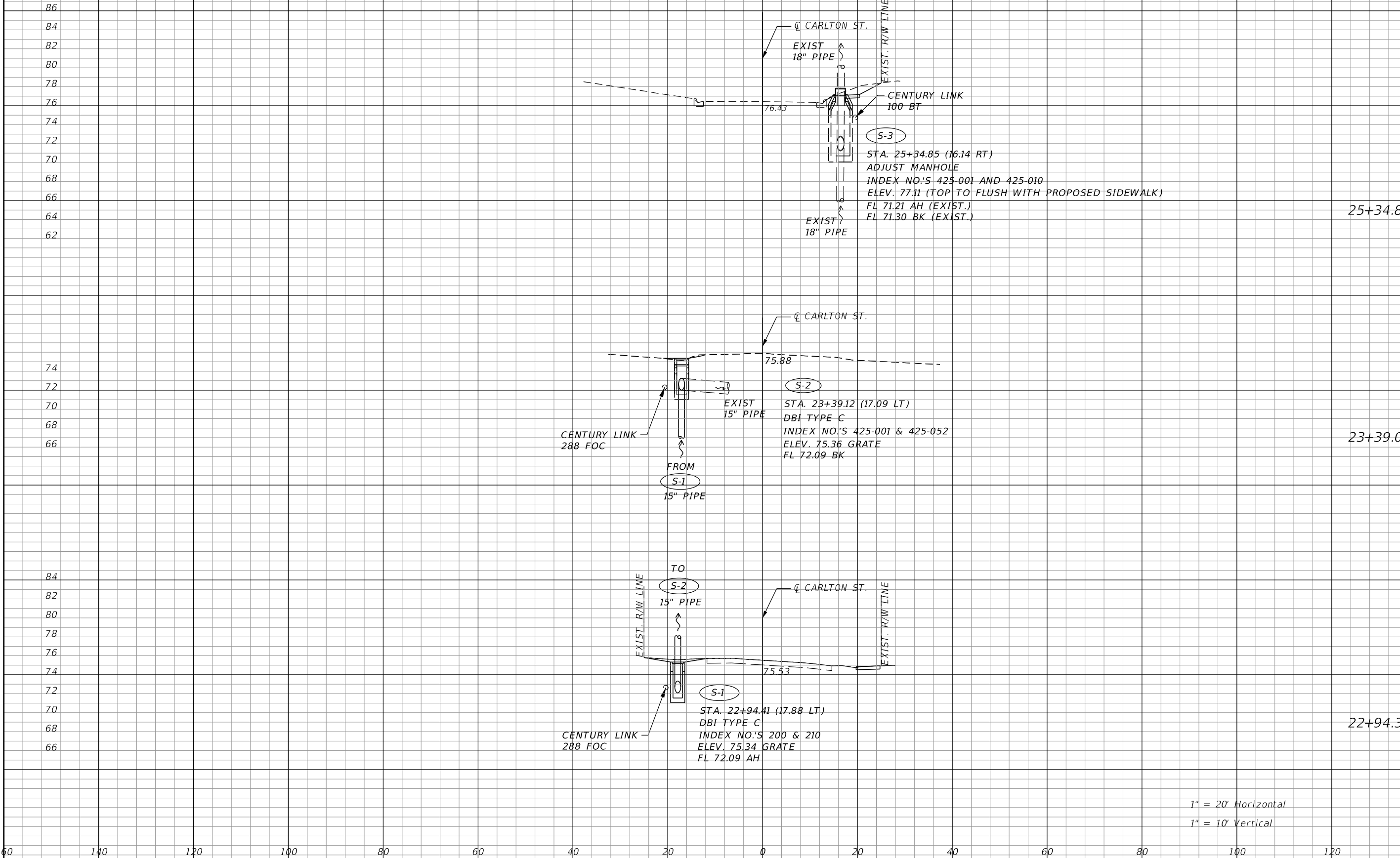




LEGEND


-  4" CONCRETE SIDEWALK
-  6" CONCRETE DRIVEWAY
-  DETECTABLE WARNING
-  REMOVE EXIST. CONCRETE

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		16
					CARLTON STREET	01785278		



1" = 20' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



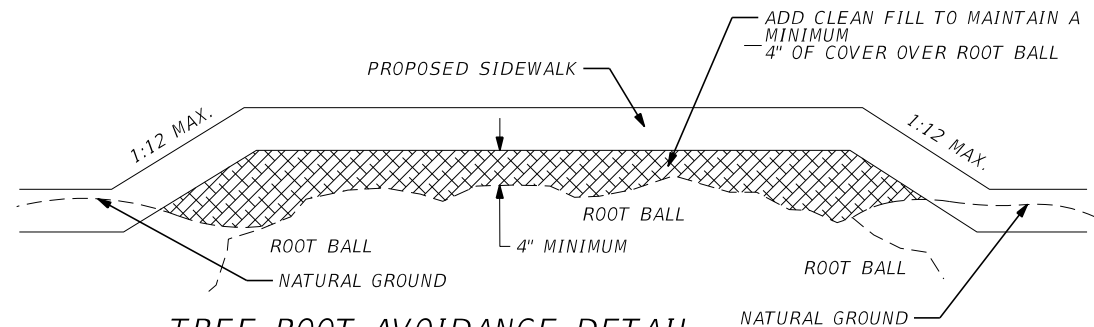
**SEMINOLE COUNTY
ENGINEERING DIVISION**
ANGELA M. CARDONA
P.E. No. 79744
100 East 1st. Street
Sanford, FL 32771

SEMINOLE COUNTY ENGINEERING DIVISION	
ROAD	COUNTY CIP No.
CARLTON STREET	01785278

DRAINAGE STRUCTURES

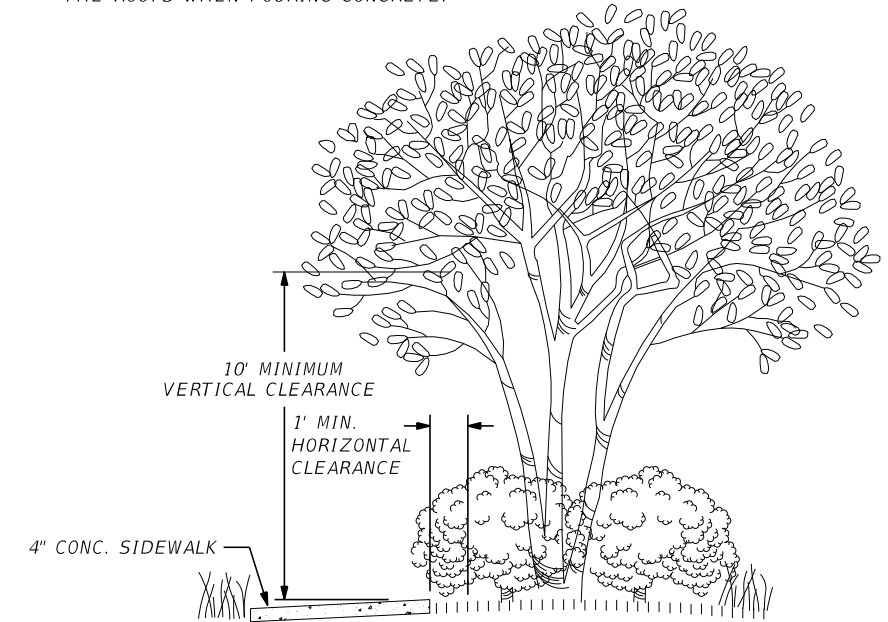
SHEET NO.

17



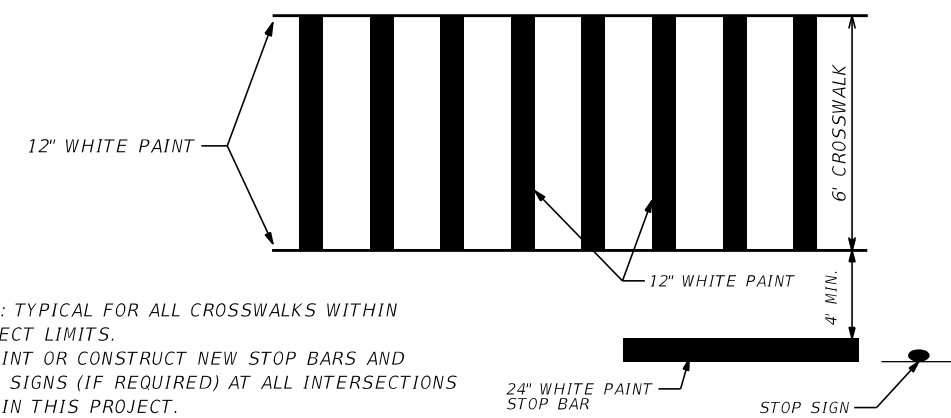
TREE ROOT AVOIDANCE DETAIL

1. FOR USE IN AREAS WHERE TREE ROOTS INTERFERE WITH EXCAVATION.
2. ALL WORK AT OR AROUND THE TREES MUST BE SUPERVISED BY A CERTIFIED ARBORIST, PROVIDED BY THE CONTRACTOR.
3. ALL COSTS OF ADDITIONAL EARTHWORK AND SOD SHALL BE INCIDENTAL TO THE COST OF THE SIDEWALK.
4. 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)
5. 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.
6. ALL TREES THAT ARE ROOT PRUNED SHALL BE WATERED DAILY FOR 30 DAYS FOLLOWING THE "HARDENING" STAGE.
7. ANY ADDITIONAL QUESTIONS CONCERNING ROOT CUTS CAN BE ANSWERED BY THE COUNTY LANDSCAPE COORDINATOR, BILL PANDOS, AT (407) 665-2176.
8. USE VISQUEEN WITH "P" AGGREGATE ROCK (AS NEEDED) AROUND ROOTS TO PROTECT THE ROOTS WHEN POURING CONCRETE.



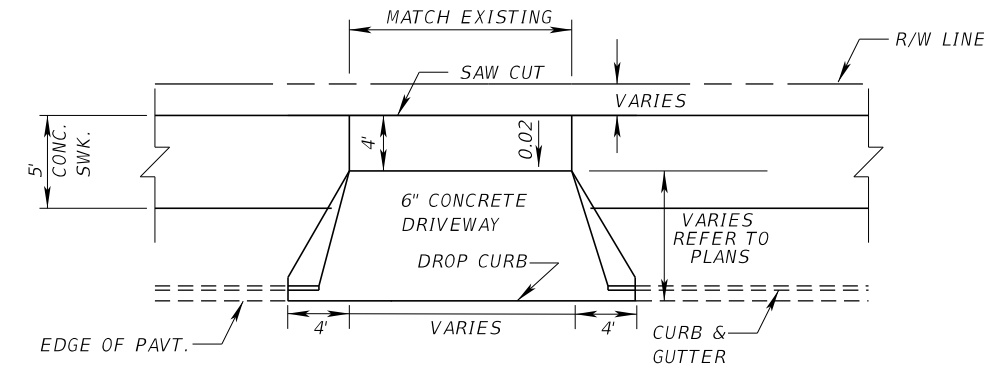
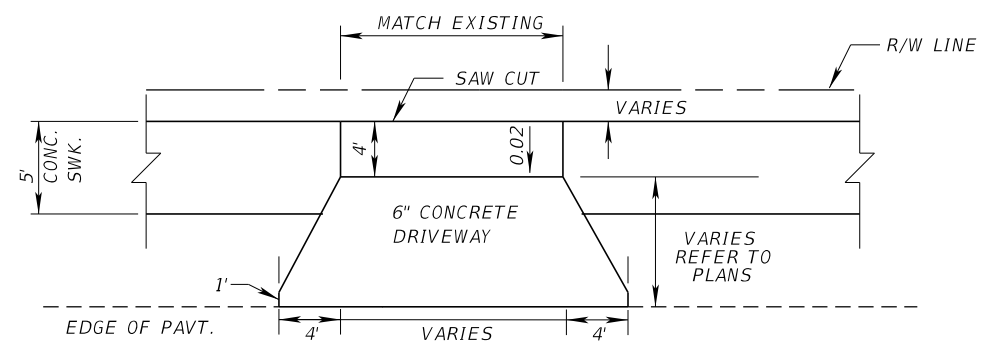
TREE SIDEWALK DETAIL

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




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.

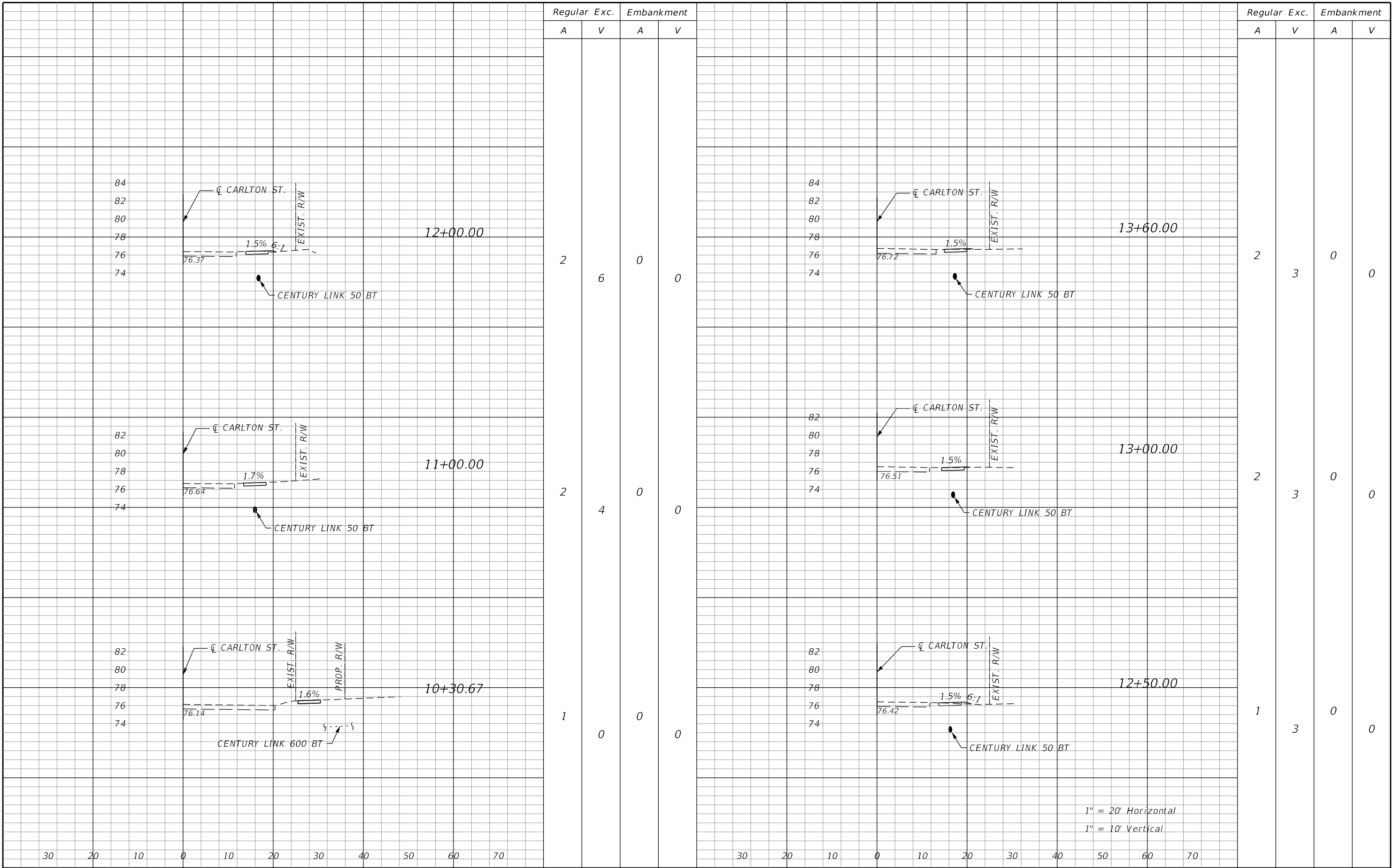
CROSSWALK AND STOP BAR DETAIL

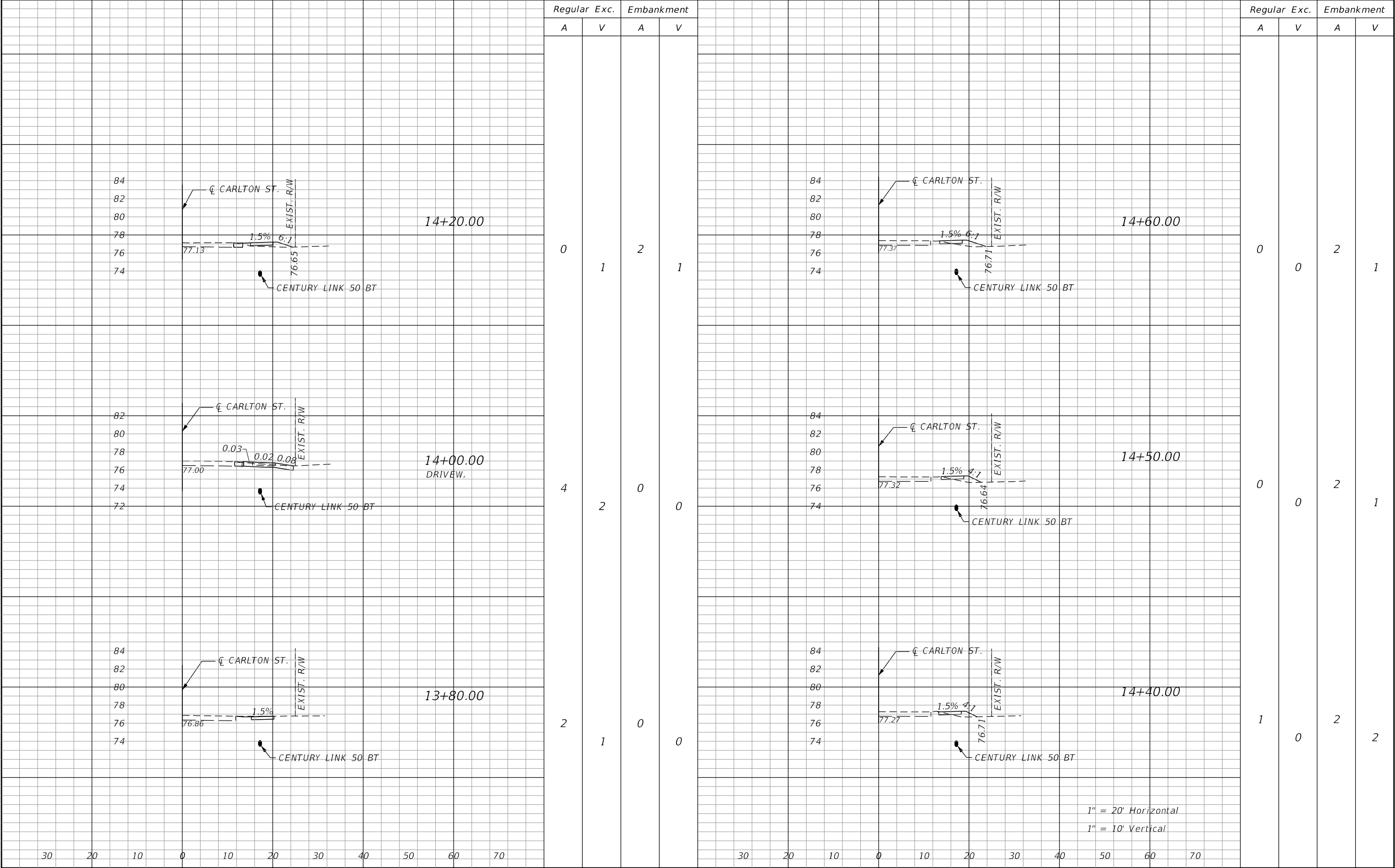


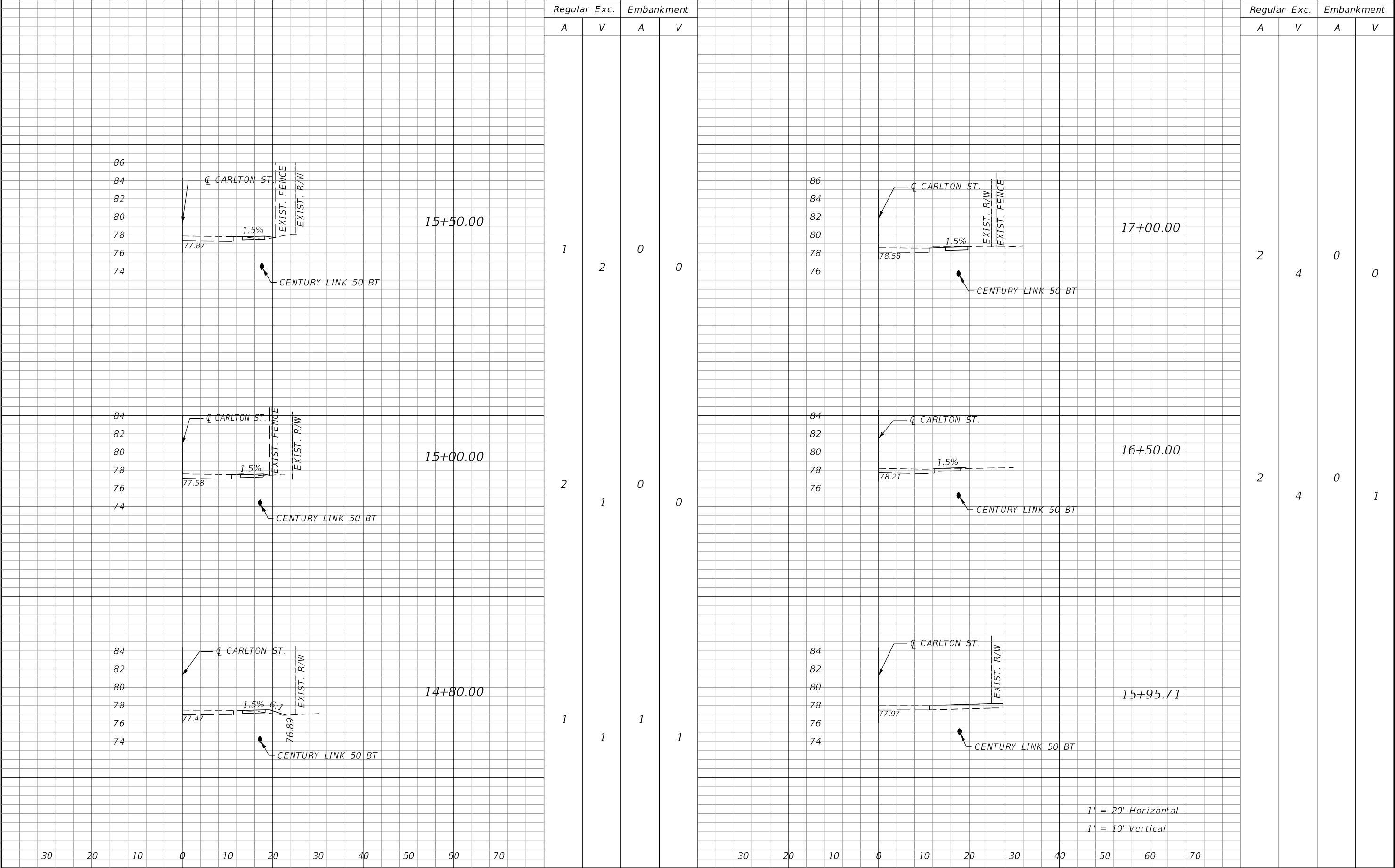
TYPICAL CONCRETE DRIVEWAY DETAILS

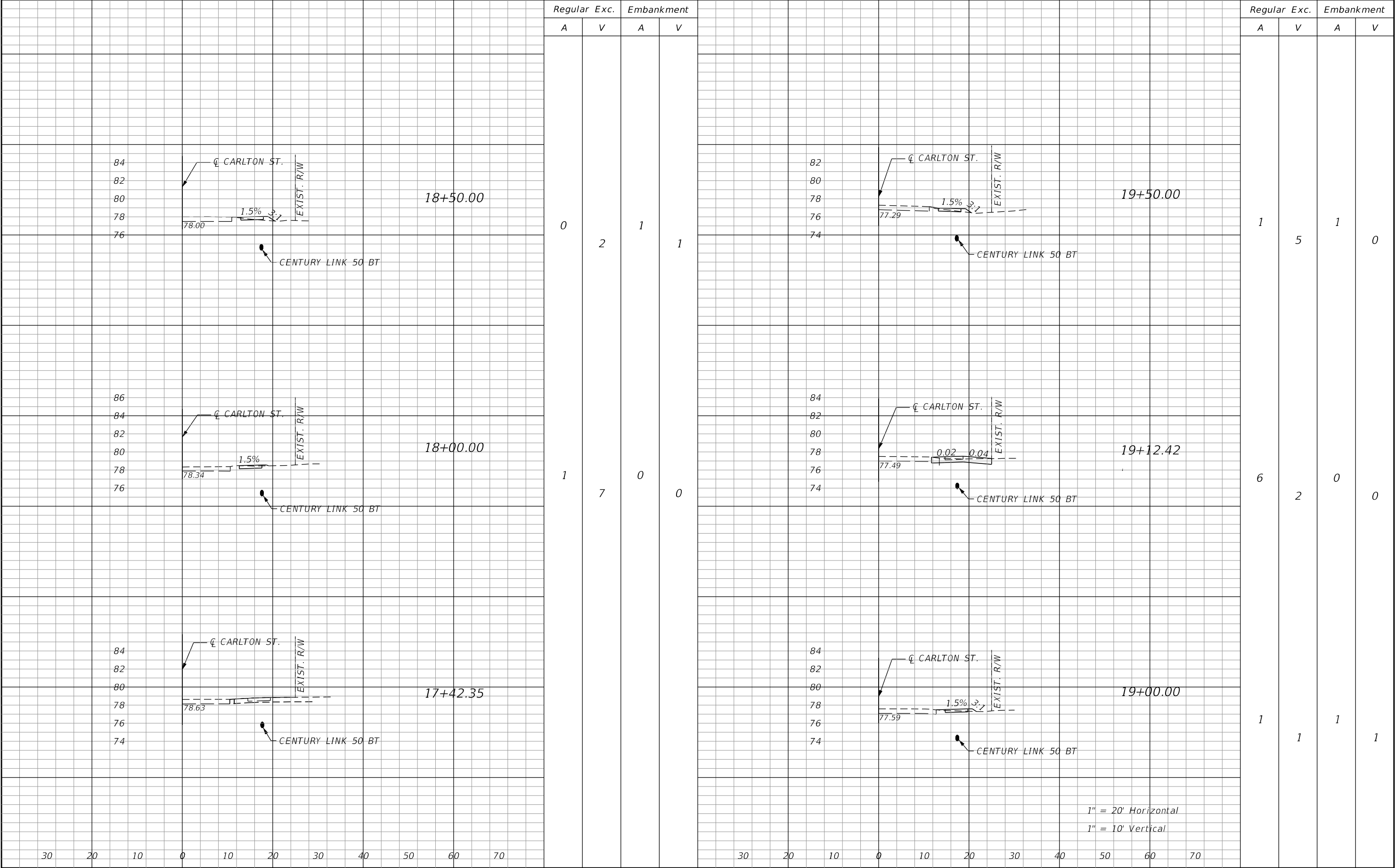
DRIVEWAY NOTE:
THE CONTRACTOR SHALL SAW CUT AND REMOVE ANY ASPHALT APRON THAT IS WITHIN THE LIMITS OF THE NEW CONCRETE DRIVEWAY. THE CONTRACTOR SHALL SOD ANY AREA NOT COVERED BY CONCRETE.
REFER TO DRIVEWAY DETAILS FOR DIMENSIONS AND PROPOSED GRADES.

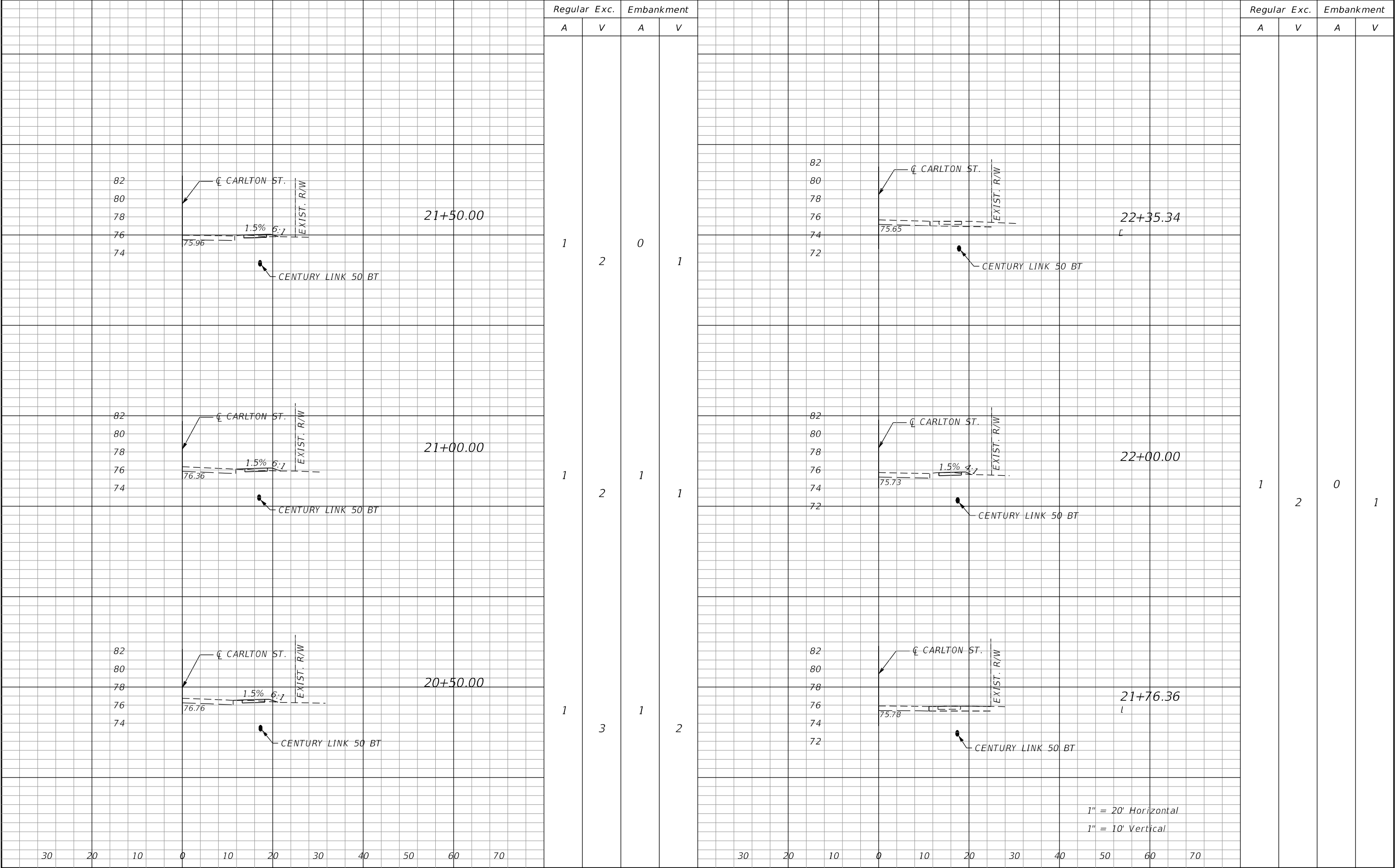
REVISIONS				<div><p>SEMINOLE COUNTY ENGINEERING DIVISION</p><p>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</p></div>	SEMINOLE COUNTY ENGINEERING DIVISION		SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		18
					CARLTON STREET	01785278		

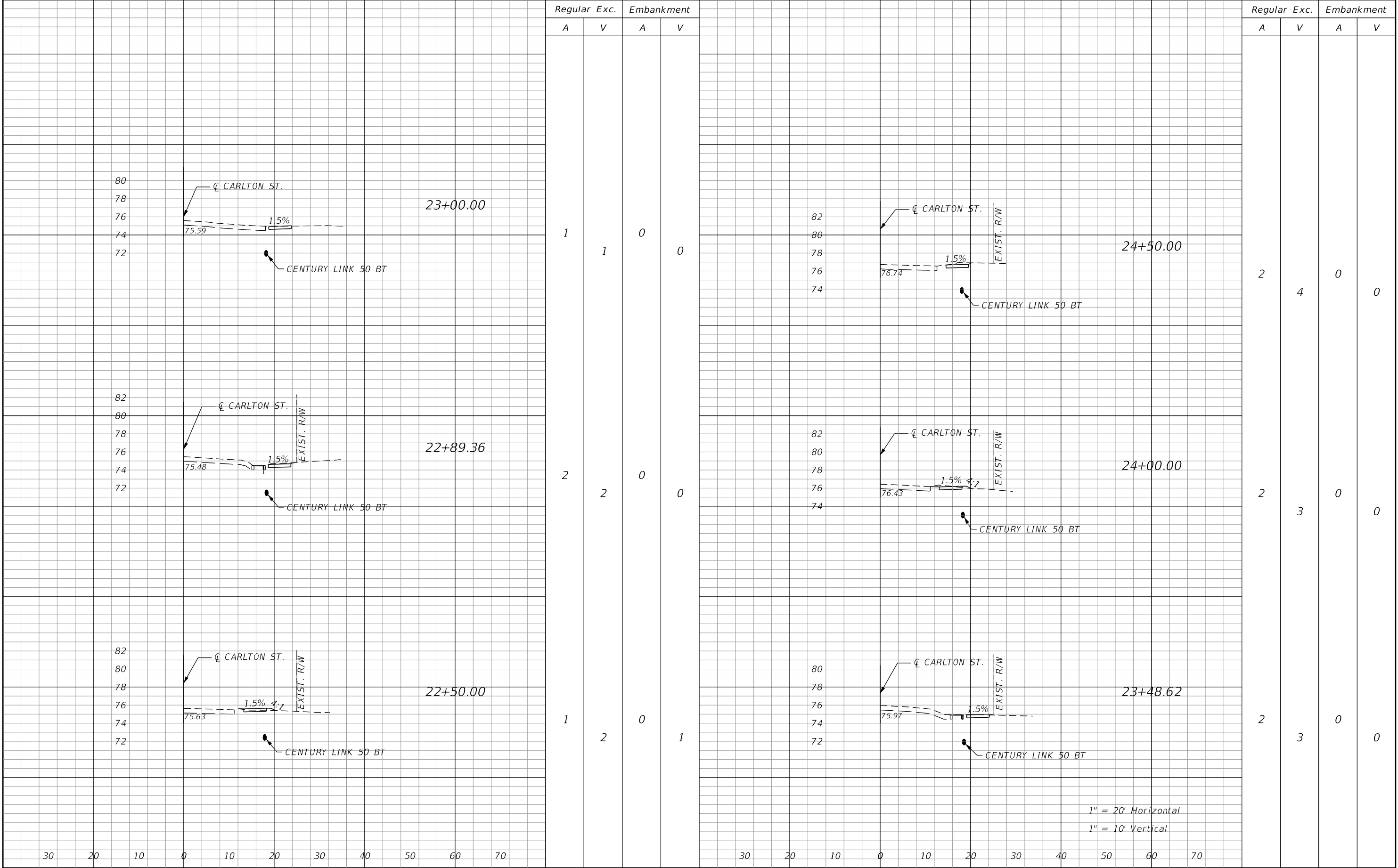


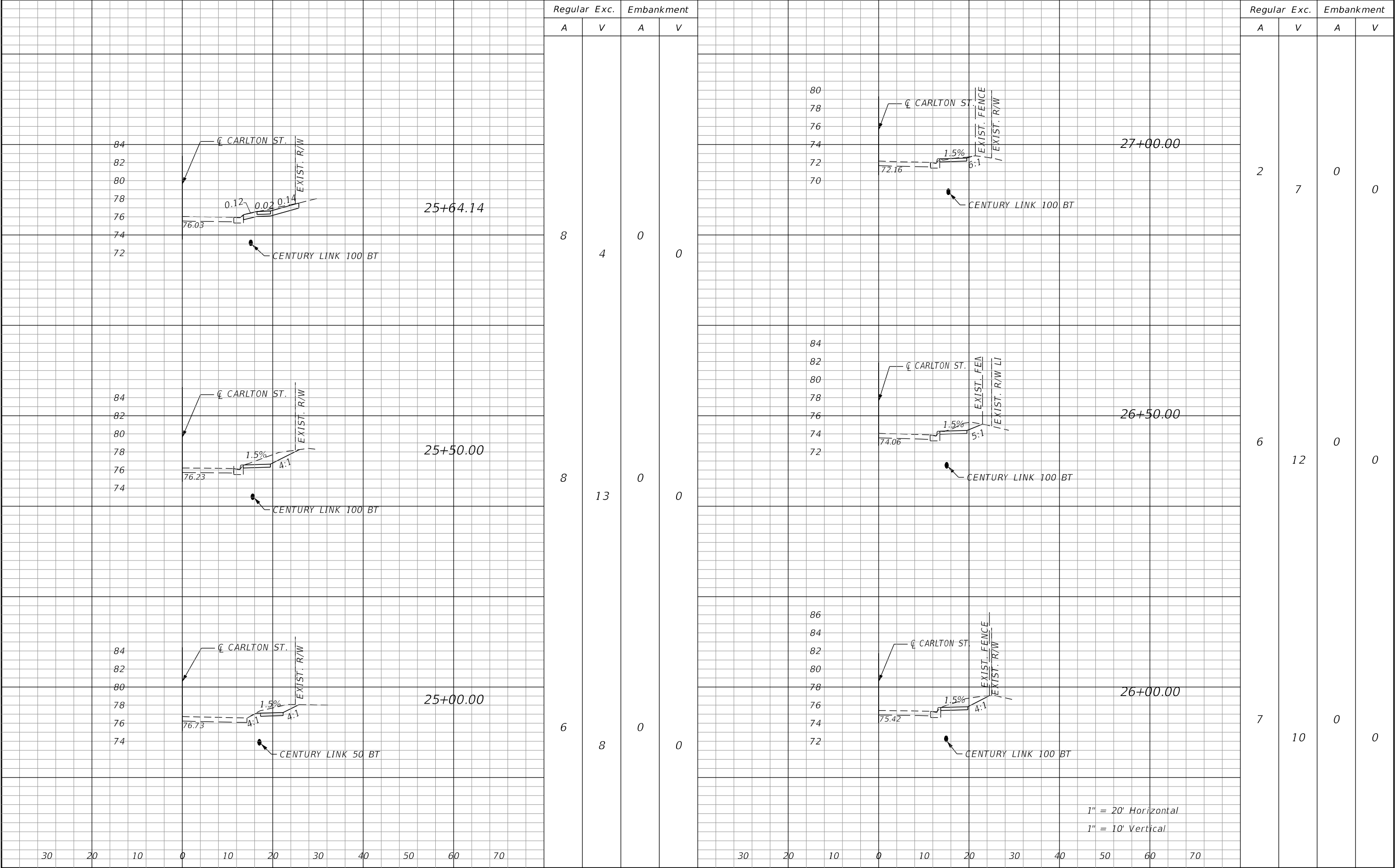


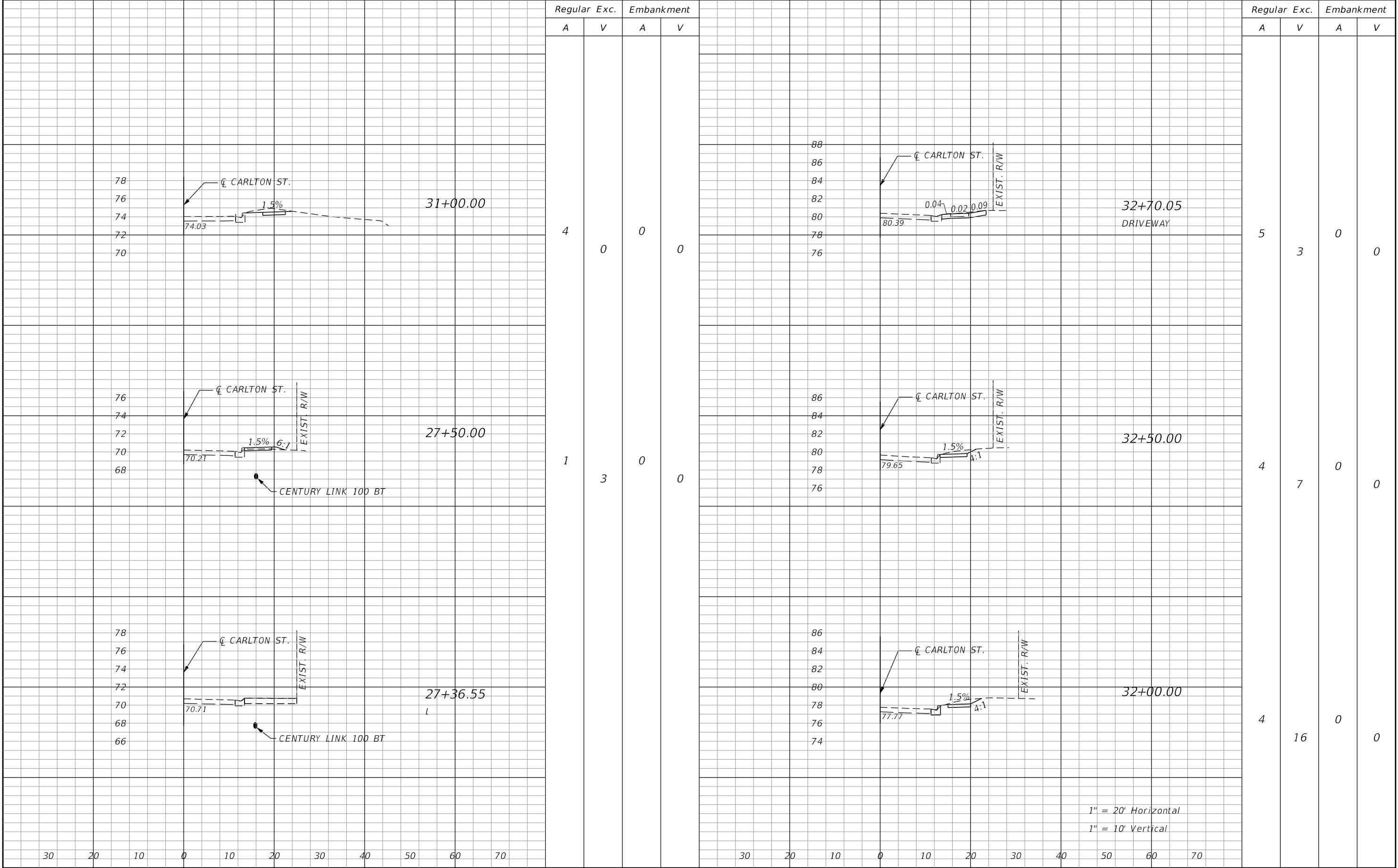


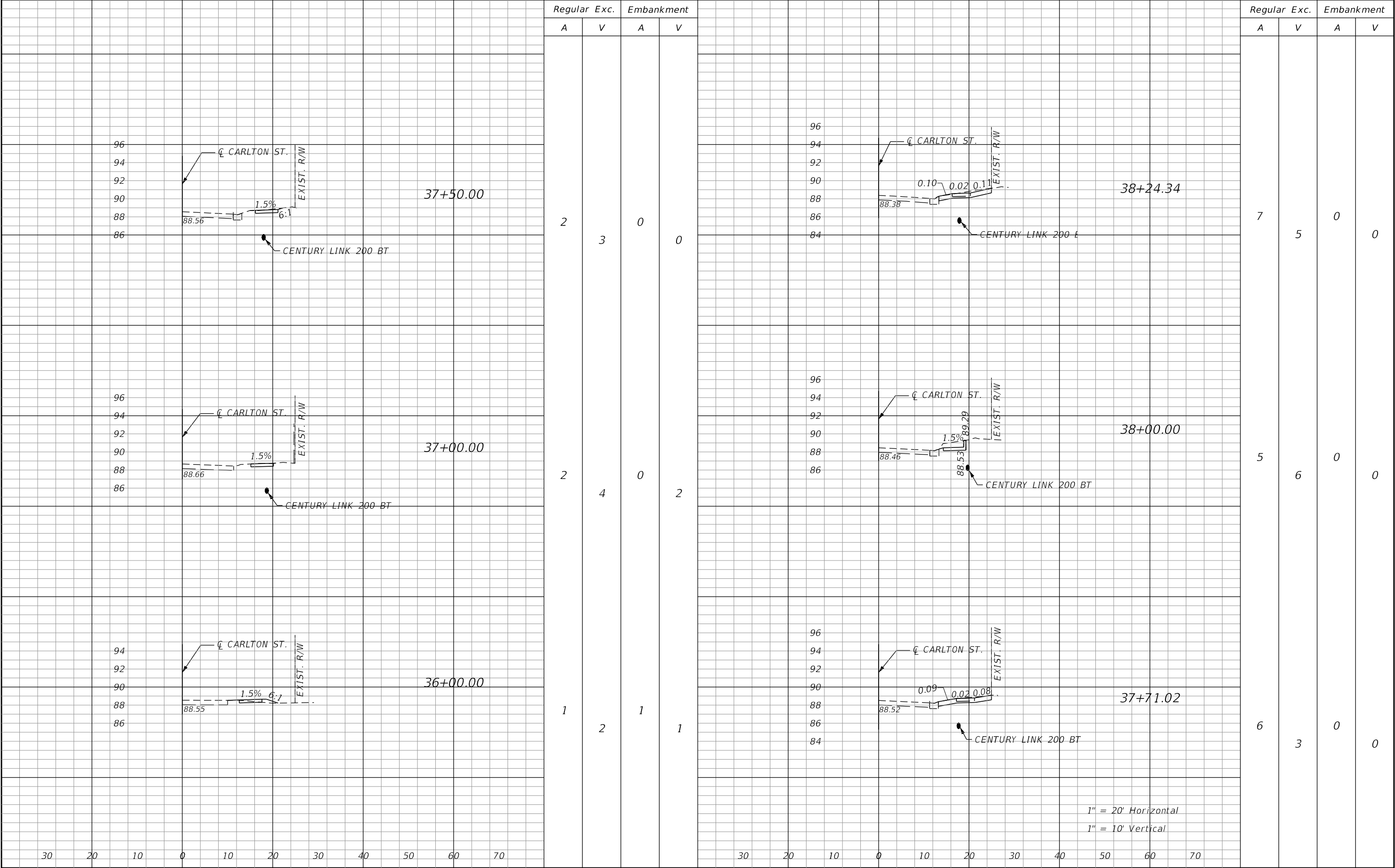


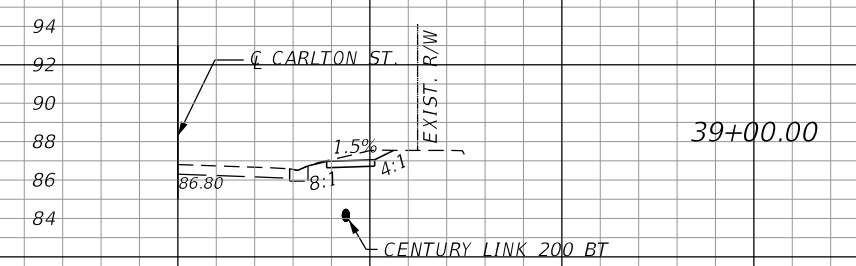
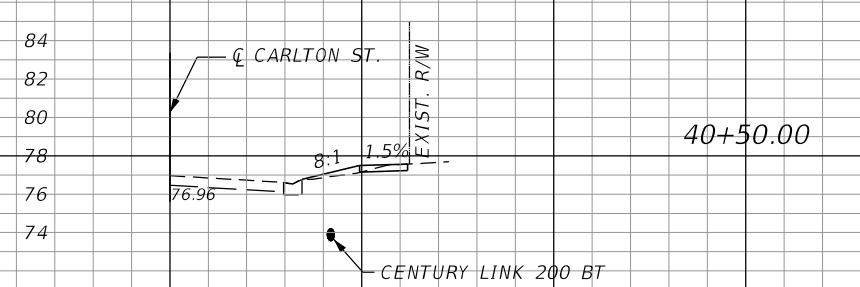
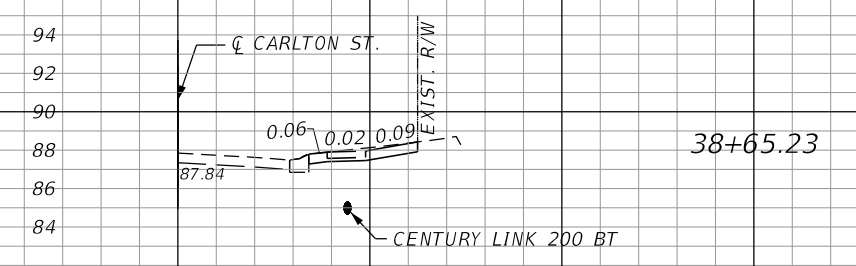
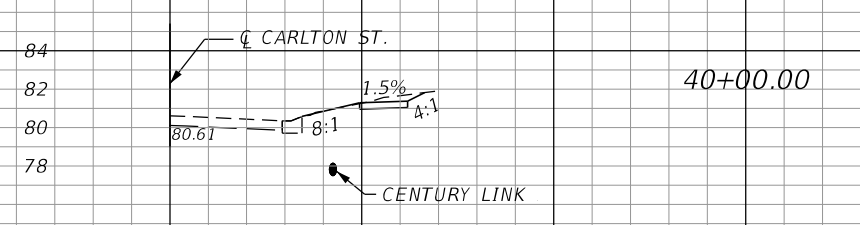
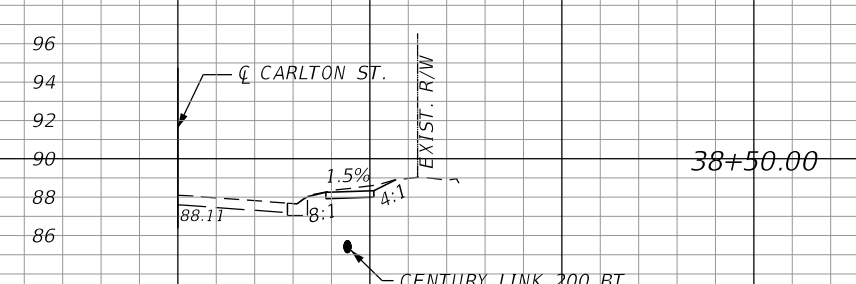
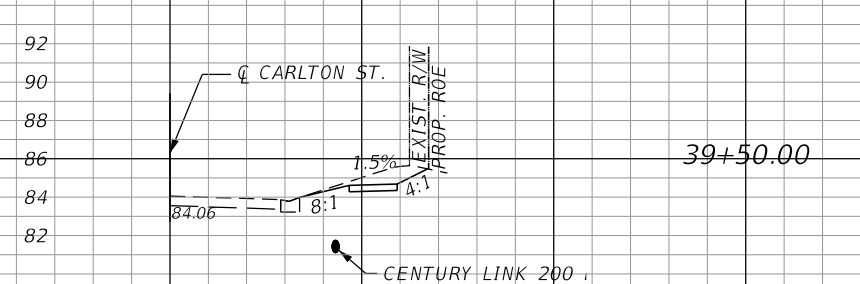


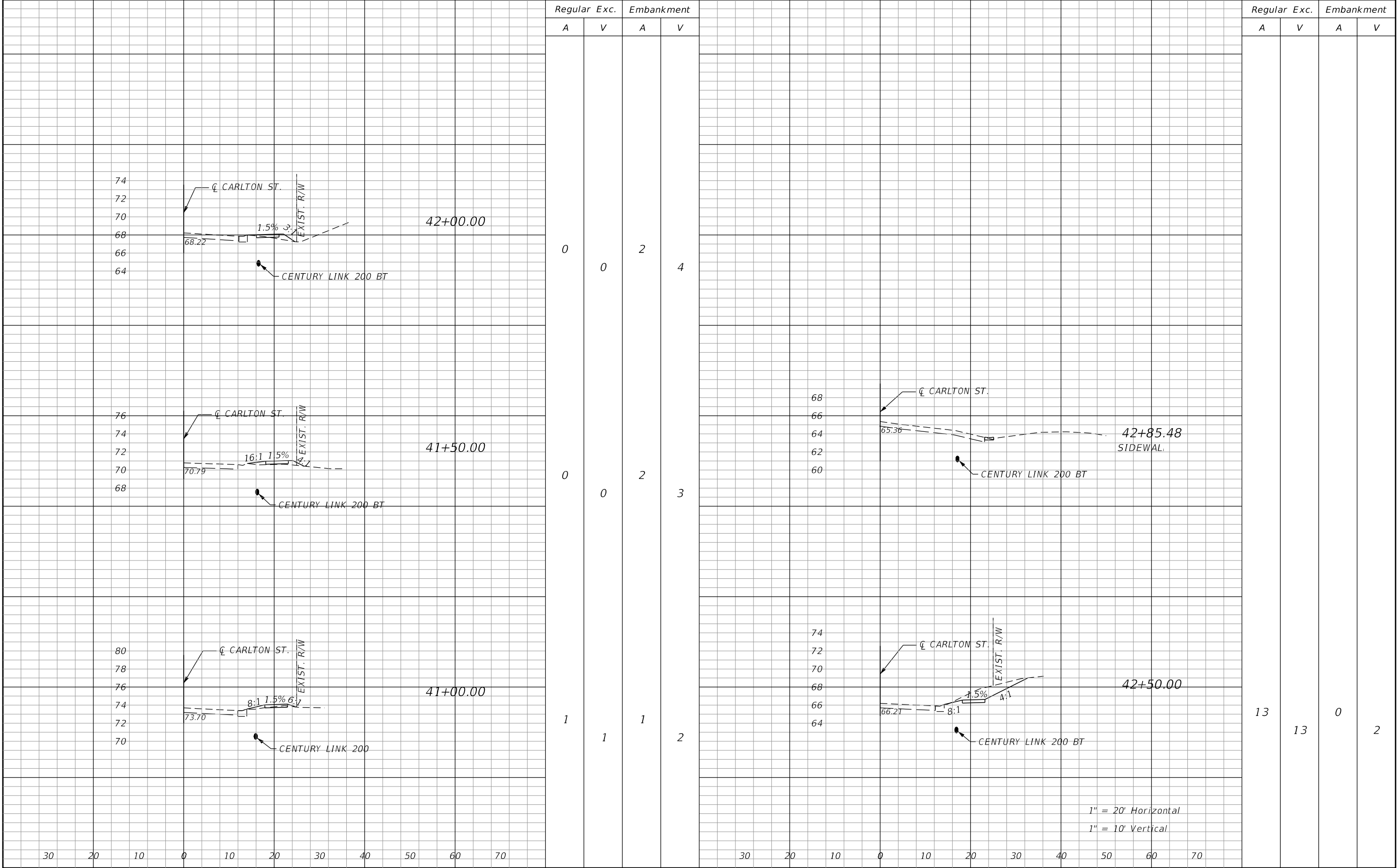




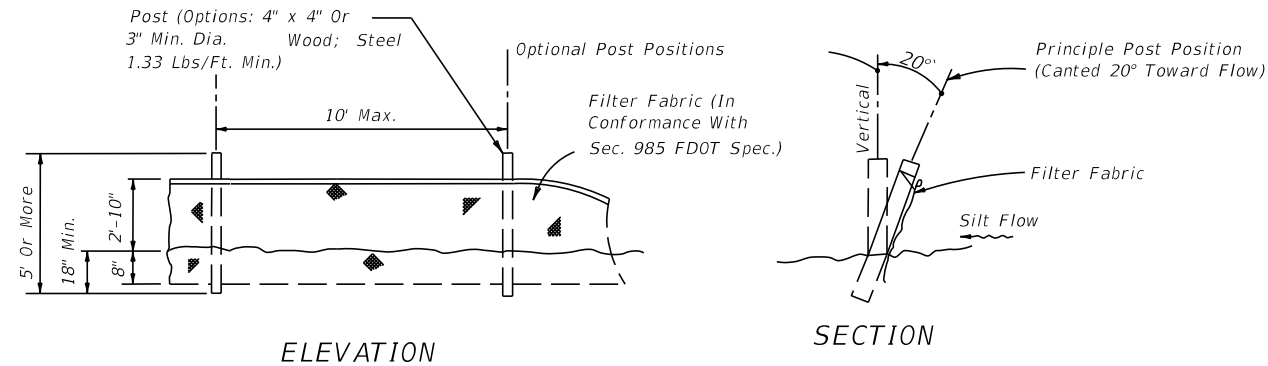




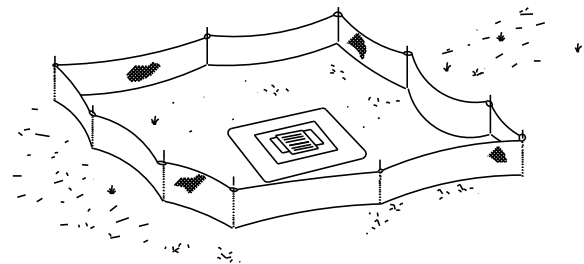
										Regular Exc.				Embankment														Regular Exc.				Embankment									
										A	V	A	V											A	V	A	V											A	V	A	V
										4	6	0	0											1	4	1	1														
										6	3	0	0											3	9	0	0														
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30 20 10 0 10 20 30 40 50 60 70										30 20 10 0 10 20 30 40 50 60 70										30 20 10 0 10 20 30 40 50 60 70																					



EROSION CONTROL NOTES



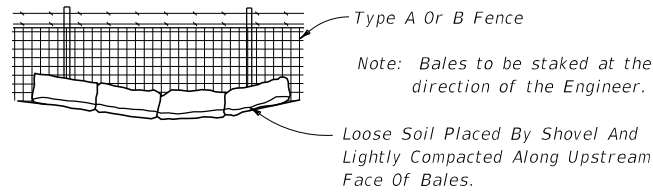
TYPE IV SILT FENCE



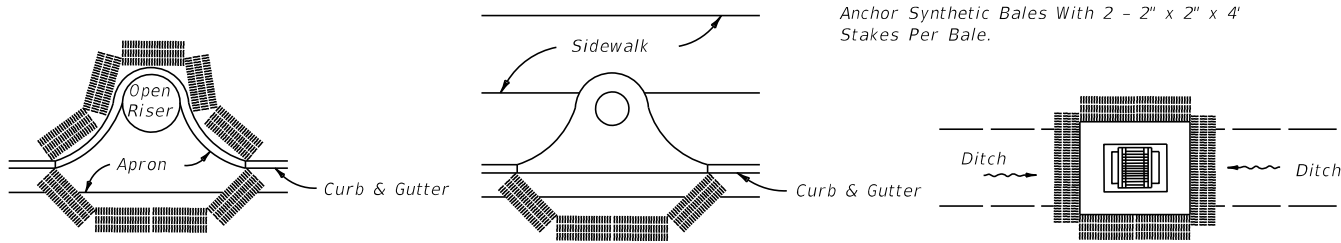
Type IV Silt Fence Protection
Around Ditch Bottom Inlets.

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 CONDITONS 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

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		EROSION CONTROL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		31
					CARLTON ST.	01785278		

SUMMARY OF SIDEWALK , DRIVE & DETECTABLE WARNINGS												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK & DRIVE 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
STA. TO STA.					P	F	P	F	P	F		
10+19.60 to 11+52.45	RT	32197			79.8							
11+77.70 to 13+18.15	RT	7980			76.0							
13+50.09 to 13+97.61	RT	8027			24.7							
14+13.45 to 15+86.78	RT	8044			95.6							
16+04.24 to 16+56.44	RT	8057			27.5							
16+80.85 to 17+33.99	RT	8089			27.8							
17+50.83 to 19+03.95	RT	8123			84.4							
19+19.64 to 19+84.41	RT	8136			35.0							
20+12.12 to 21+67.86	RT	8148			84.4							
21+86.05 to 22+26.45	RT	8164			21.4							
22+44.04 to 23+05.21	RT	8168			32.9							
23+30.00 to 25+55.35	RT	32165			130.8							
25+71.49 to 27+26.64	RT	8224			100.8							
27+43.31 to 27+98.50	RT	32196			33.3							
28+21.78 to 28+42.56	RT	8497			22.4							
30+57.62 to 31+33.68	RT	8504			51.5							
31+78.50 to 32+62.32	RT	8541			54.5							
32+79.07 to 34+40.22	RT	8555			105.6							
34+53.73 to 36+29.93	RT	8565			96.5							
36+66.77 to 37+64.84	RT	8594			51.2							
37+78.80 to 38+17.92	RT	8602			19.9							
38+30.19 to 38+58.83	RT	8621			14.9							
38+70.88 to 42+86.86	RT	8624			272.0							
13+93.47 to 14+17.32	RT	11878					21.7					
18+99.08 to 19+24.66	RT	11879					25.4					
25+51.35 to 25+75.49	RT	11880					24.0					
32+58.32 to 32+83.07	RT	11881					21.2					
34+36.23 to 34+57.75	RT	11882					17.5					
37+60.83 to 37+82.82	RT	11883					20.4					
38+14.21 to 38+33.61	RT	11888					18.2					
38+56.01 to 38+74.60	RT	11894					17.6					
10+31.73 to 10+37.42	RT	32218							10.6			
11+44.66 to 11+52.45	RT	13470							14.0			
11+77.70 to 11+84.54	RT	13476							13.0			
13+10.89 to 13+18.15	RT	13488							13.5			
13+50.09 to 13+60.85	RT	13487							17.2			
16+49.01 to 16+56.44	RT	13500							13.6			
16+80.85 to 16+88.79	RT	13499							14.1			
19+78.32 to 19+84.41	RT	13509							12.4			
20+12.12 to 20+19.93	RT	13528							14.1			
22+97.65 to 23+05.21	RT	13537							13.8			
23+29.99 to 23+35.21	RT	13538							11.5			
27+94.16 to 27+98.70	RT	13549							9.7			
28+27.43 to 28+31.65	RT	13548							8.6			
31+25.25 to 31+33.51	RT	13558							16.1			
31+78.52 to 31+85.20	RT	13559							14.3			
36+23.78 to 36+29.93	RT	13564							12.2			
SUB-TOTAL :					1542.9		166.0		208.7			
TOTAL :					1543		166		230			

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON STREET	01785278		SQ-1

SUMMARY OF SIDEWALK , DRIVE & DETECTABLE WARNINGS												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK & DRIVE 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
SY					SY		SF					
STA. TO STA.					P	F	P	F	P	F		
36+66.77 to 36+79.18	RT	29209							21.6			
SUB-TOTAL :									21.6			

SUMMARY OF CONCRETE DRIVE 8"									
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	Cement Concrete Pavement (Plain) (8")		DESIGN NOTES	CONSTRUCTION REMARKS
						350-1-3			
						SY			
STA. TO STA.						P	F		
22+86.33 to 23+45.82	LT	33818			1	3.06			
SUB-TOTAL :						3.06			
TOTAL :						3.1			

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
120-1	REGULAR EXCAVATION	266			
120-6	EMBANKMENT	30			

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					CARLTON STREET	01785278		SQ-2

SUMMARY OF PERFORMANCE TURF						
LOCATION	SIDE	AREA ID	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0570	1 2		
			SY			
			P	F		
10+40.18 to 11+47.98	RT	22835	25.7			
10+51.85 to 11+53.66	RT	22822	22.6			
11+76.80 to 13+19.23	RT	22836	31.5			
11+81.44 to 13+14.05	RT	22837	32.6			
13+48.41 to 13+97.61	RT	22838	10.8			
13+56.30 to 13+95.52	RT	22839	12.9			
14+13.45 to 15+86.79	RT	22856	69.1			
14+15.39 to 15+84.73	RT	22858	44.7			
16+04.37 to 16+57.45	RT	22866	11.7			
16+06.37 to 16+52.32	RT	22871	15.5			
16+79.73 to 17+34.52	RT	22872	12.0			
16+85.29 to 17+31.94	RT	22873	17.3			
17+50.30 to 19+03.90	RT	22874	40.7			
17+52.85 to 19+01.35	RT	22875	37.3			
19+19.64 to 19+85.63	RT	22877	18.2			
19+22.14 to 19+81.00	RT	22878	15.1			
20+10.25 to 21+69.69	RT	22879	52.6			
20+16.69 to 21+64.42	RT	22880	32.9			
21+85.79 to 22+27.13	RT	22881	9.1			
21+87.28 to 22+23.93	RT	22882	7.9			
22+43.14 to 23+06.47	RT	22888	14.1			
22+46.85 to 23+00.85	RT	22889	14.3			
23+29.26 to 25+55.34	RT	22904	74.9			
23+32.73 to 25+03.70	RT	22905	40.7			
24+75.00 to 25+55.35	RT	29275	6.6			
25+71.48 to 27+25.48	RT	22911	63.2			
27+41.72 to 27+99.63	RT	22913	18.8			
28+20.42 to 28+28.57	RT	22917	2.3			
28+26.64 to 28+43.47	RT	22916	5.2			
28+34.07 to 28+39.47	RT	22914	1.6			
30+57.10 to 30+81.58	RT	22918	5.6			
30+58.92 to 31+25.34	RT	22923	24.3			
30+83.61 to 31+35.85	RT	22919	12.8			
31+75.82 to 32+62.32	RT	22929	24.8			
31+85.15 to 32+02.97	RT	22930	3.8			
32+79.07 to 34+40.21	RT	22931	44.3			
34+28.66 to 34+38.32	RT	22932	1.6			
34+53.72 to 36+33.08	RT	22935	55.0			
34+55.78 to 36+23.78	RT	22939	44.8			
36+63.88 to 37+64.83	RT	22941	22.2			
36+79.18 to 37+63.50	RT	22943	27.5			
37+78.80 to 38+18.26	RT	22954	9.0			
37+80.15 to 38+15.24	RT	22957	7.0			
38+29.87 to 38+58.99	RT	22975	8.0			
38+32.70 to 38+56.73	RT	22976	4.9			
38+70.52 to 41+83.98	RT	22992	80.7			
38+73.62 to 42+89.13	RT	23011	212.5			
SUB-TOTAL:			1350.7			
TOTAL:			1421			

SUMMARY OF PERFORMANCE TURF						
LOCATION	SIDE	AREA ID	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
			0570 1 2			
			SY			
STA. TO STA.			P	F		
41+83.97 to 42+81.86	RT	22994	40.4			
42+35.00 to 42+75.09	RT	29346	30.2			
SUB-TOTAL:			70.6			

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION</div> <div>ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		SQ-3
					CARLTON STREET	01785278		

SUMMARY OF REMOVAL OF EXISTING CONCRETE DRIVEWAYS, SIDEWALK AND CURB												
PAY ITEM NO.	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
	STA. TO STA.						P	F	P	F		
110-4-1	10+19.60 to 10+23.86	RT	33860			SY	8.0		260			
	13+92.28 to 14+19.06	RT	29089				4.8					
	18+99.08 to 19+24.66	RT	29090				4.6					
	19+03.90 to 19+19.64	RT	29091				0.4					
	25+51.35 to 25+75.49	RT	29092				30.2					
	27+90.04 to 28+01.75	RT	29107				4.0					
	28+21.09 to 28+35.38	RT	29108				5.2					
	28+21.78 to 28+42.54	RT	29109				16.8					
	30+57.62 to 30+86.11	RT	29131				18.7					
	31+06.57 to 32+01.62	RT	29127				44.5					
	32+57.27 to 32+83.07	RT	29132				28.0					
	34+36.23 to 34+57.75	RT	29133				24.2					
	37+60.55 to 37+82.83	RT	29134				26.5					
	38+14.22 to 38+33.62	RT	29141				22.5					
	38+56.00 to 38+74.61	RT	29142				21.8					

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P	F		
							TYPE	LENGTH	P	F				
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	27+90.40 to 28+01.75	RT		LF	19.4			19.4		147			
		28+21.09 to 28+34.13	RT			21.4			21.4					
		31+06.57 to 31+47.23	RT			55.5			55.5					
		31+70.21 to 32+01.61	RT			51.1			51.1					
0520 2 4	CONCRETE CURB, TYPE D	27+88.82 to 27+98.70	RT		LF	10.4			10.4		50			
		31+20.34 to 31+34.62	RT			15.1			15.1					
		31+77.80 to 31+90.70	RT			13.6			13.6					
		37+95.00 to 38+05.00	RT			10.6			10.6					
0520 3	VALLEY GUTTER - CONCRETE	13+93.44 to 14+23.54	RT		LF	30.1			30.1		318			
		22+86.33 to 23+46.34	LT			60.0			60.0					
		25+51.35 to 25+75.49	RT			24.1			24.1					
		31+06.57 to 32+01.62	RT			97.1			97.1					
		32+58.32 to 32+83.07	RT			24.7			24.7					
		34+36.24 to 34+57.75	RT			21.5			21.5					
		37+60.85 to 37+82.83	RT			22.0			22.0					
		38+14.23 to 38+33.62	RT			19.4			19.4					
		38+56.00 to 38+74.61	RT			18.6			18.6					

REVISIONS				 SEMINOLE COUNTY FLORIDA'S NATURAL CHOICE	SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD	COUNTY CIP No.		
						CARLTON STREET	01785278		SQ-4

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES								
LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 10 3		0104 18			
			LF		EA			
			P	F	P	F		
10+24.59 to 11+52.45	RT		142.9					
11+77.70 to 13+18.15	RT		140.6					
13+50.09 to 13+97.61	RT		47.5					
14+13.46 to 15+86.78	RT		173.4					
16+04.24 to 16+56.44	RT		52.5					
16+80.85 to 17+33.99	RT		53.1					
17+50.83 to 19+03.89	RT		153.2					
19+19.64 to 19+84.41	RT		64.8					
20+12.12 to 21+67.88	RT		155.9					
21+86.05 to 22+26.45	RT		40.4					
22+44.04 to 23+05.19	RT		62.4					
23+29.98 to 25+55.34	RT		228.2					
25+71.49 to 27+25.48	RT		154.0					
27+43.32 to 27+98.85	RT		60.0					
28+27.48 to 28+43.02	RT		23.5					
30+57.36 to 30+80.82	RT		25.4					
30+84.31 to 31+45.93	RT		80.0					
31+71.59 to 32+62.32	RT		107.1					
32+79.07 to 34+40.21	RT		161.4					
34+53.73 to 36+29.93	RT		176.8					
36+66.77 to 37+64.83	RT		98.1					
37+78.80 to 38+18.13	RT		40.5					
38+30.00 to 38+58.95	RT		29.0					
38+70.66 to 42+80.86	RT		477.9					
22+89.39 to 22+89.42	RT				1			
22+94.40 to 22+94.41	LT				1			
23+39.10 to 23+39.11	LT				1			
23+48.56 to 23+48.57	RT				1			
27+81.74 to 27+90.40	RT				1			
28+34.19 to 28+42.82	RT				1			
28+34.46 to 28+43.81	LT				1			
42+57.97 to 42+66.80	LT				1			
42+91.17 to 42+93.02	RT				1			
43+20.70 to 43+20.92	RT				1			
SUB-TOTAL :			2748.6		10			
TOTAL :			2749		10			

REVISIONS				 <div>SEMINOLE COUNTY ENGINEERING DIVISION ANGELA M. CARDONA P.E. No. 79744 100 East 1st. Street Sanford, FL 32771</div>	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		SQ-5
					CARLTON STREET	01785278		