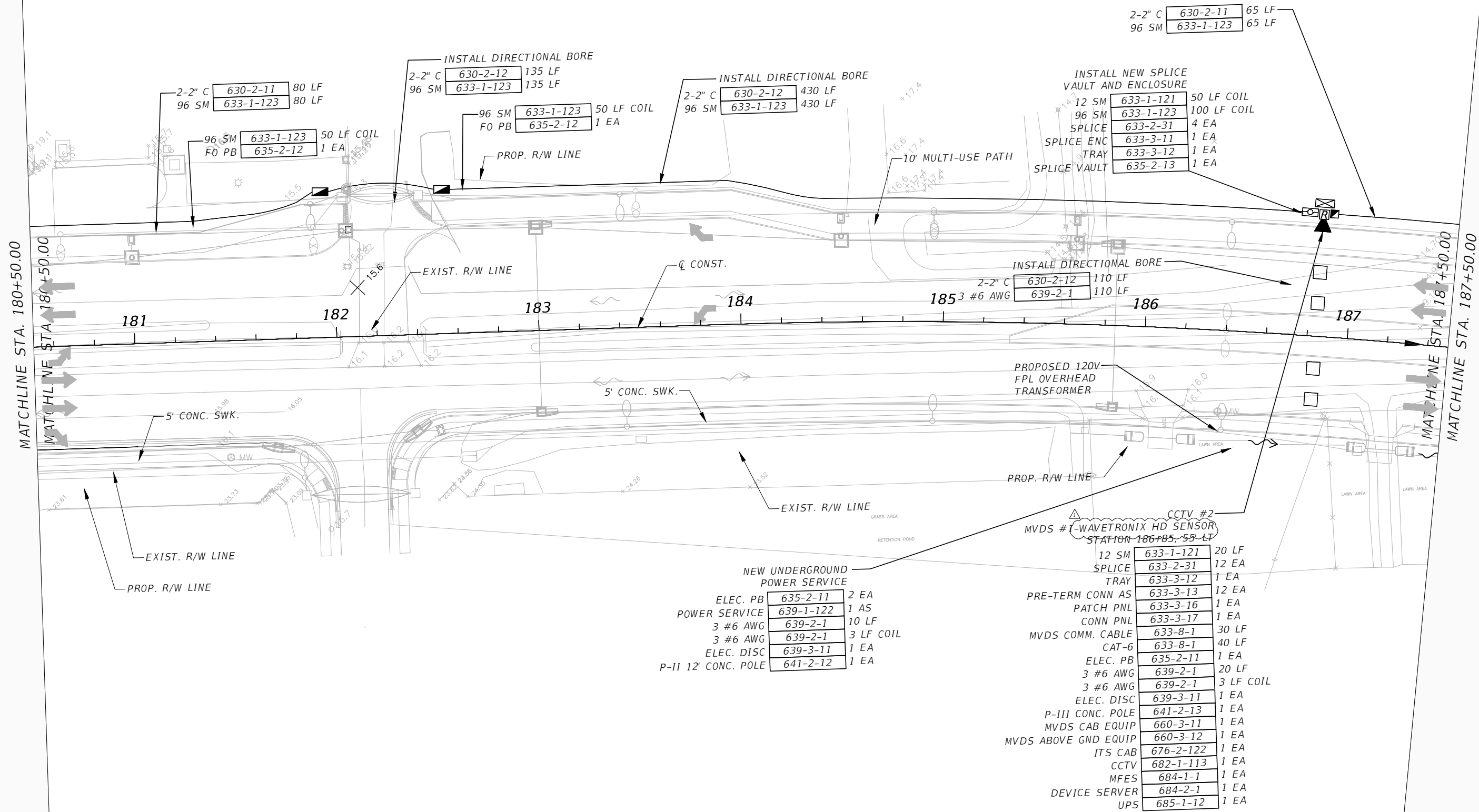
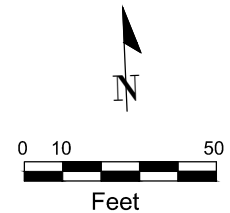
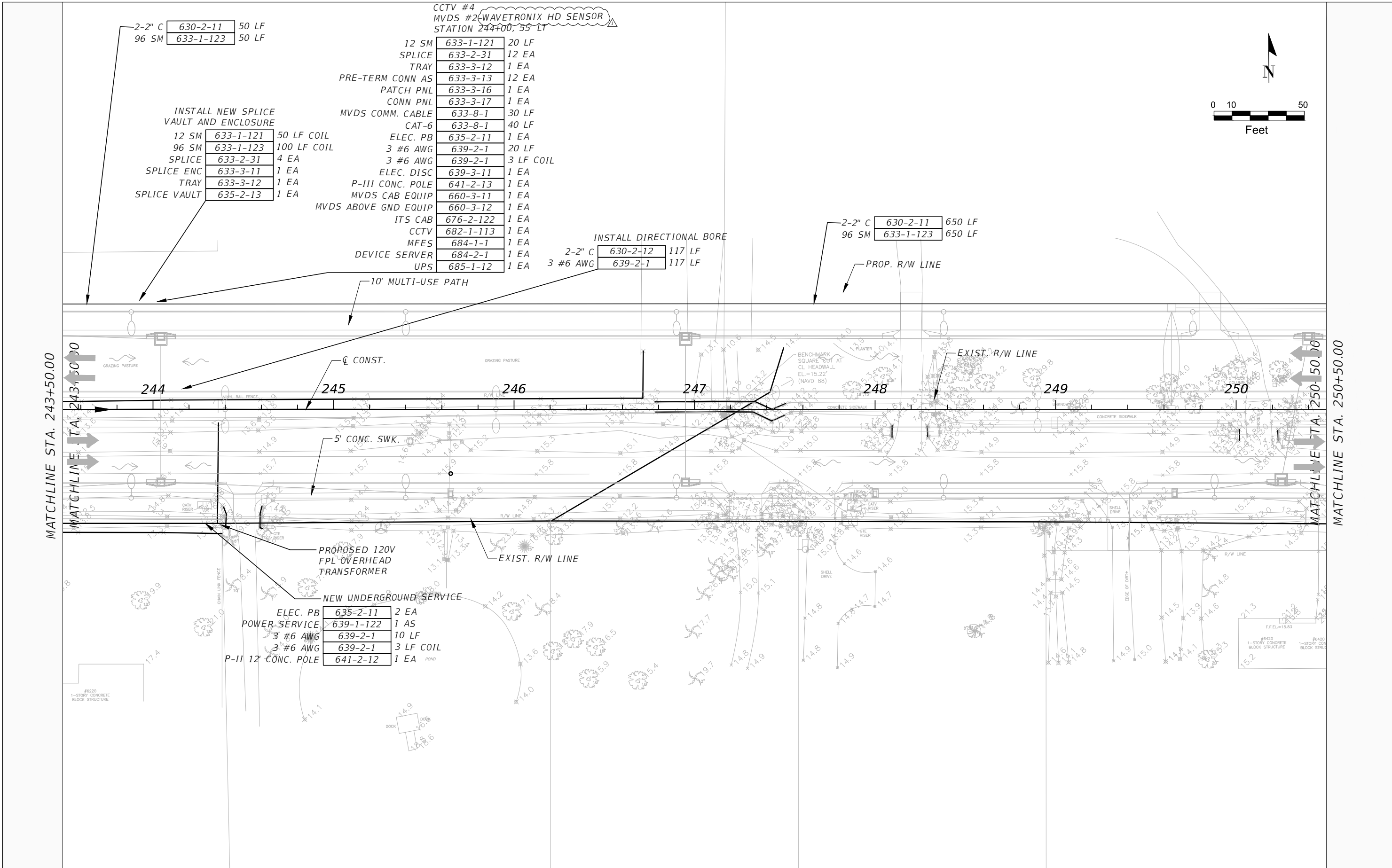
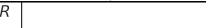




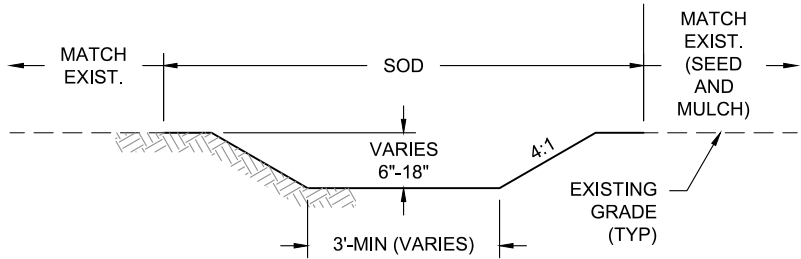
△		REVISION 1			SCALE	PATRICK B. NEVAH, P.E.	DATE	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	DESIGN ENGINEER	<i>INTERCONNECT PLANS (4)</i>	SHEET NO.
					AS NOTED	P.E. NO. 72369	PROJECT NO.		PATRICK B. NEVAH, P.E.		T-12
					DESIGNED BY	AECOM TECHNICAL SERVICES, INC.			FL. LICENSE NO.		
					J. VINCENT	7650 WEST COURTNEY CAMPBELL CAUSEWAY TAMPA, FL 33607-1462 (813)286-1711 CERTIFICATE OF AUTHORIZATION: 8115			P.E. No. 72369		
					DRAWN BY	E. CARY	6086960				
					CHECKED BY	P. O'SHEA					
No.	REVISIONS		DATE	BY							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

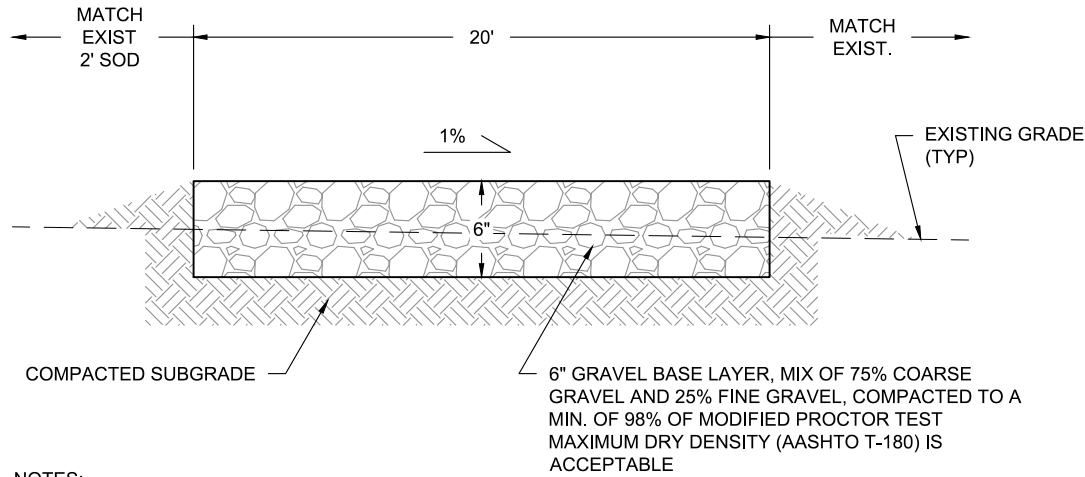


		REVISION 1			SCALE	AS NOTED	PATRICK B. NEVAH, P.E. P.E. NO. 72369	DATE	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	DESIGN ENGINEER	<i>INTERCONNECT PLANS (13)</i>	SHEET NO.
					DESIGNED BY	J. VINCENT	AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CAUSEWAY TAMPA, FL 33607-1462	PROJECT NO. 6086960		PATRICK B. NEVAH, P.E.		
					DRAWN BY	E. CARY	(813) 286-1711			FL. LICENSE NO.		
					CHECKED BY	P. O'SHEA	CERTIFICATE OF AUTHORIZATION: 8115			P.E. No. 72369		T-21
No.	REVISIONS		DATE	BY								

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



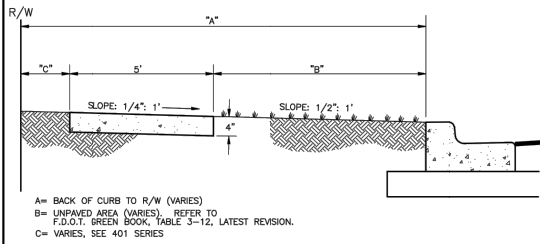
TYPICAL SWALE DETAIL
NTS



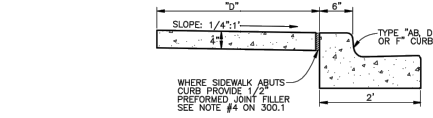
NOTES:

- MIX OF 75% COARSE GRAVEL AND 25% FINE GRAVEL, COMPACTED TO A MIN. OF 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (AASHTO T-180) IS ACCEPTABLE. ALL MATERIALS USED IN CONSTRUCTION SHALL COMPLY WITH LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, SECTIONS 200/204, 290, AND 901.THE SUBGRADE SOILS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (AST D 1557) WITH A DESIGN LBR OF 40 (AFTER STABILIZATION).
- ALL MATERIALS USED IN PAVEMENT CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, SECTIONS 200/204 AND 901.
- THE SUBGRADE SOILS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D 1557) WITH A DESIGN LBR VALUE OF 40 (AFTER STABILIZATION).

TYPICAL STABILIZED GRAVEL PAVEMENT DETAIL
NTS

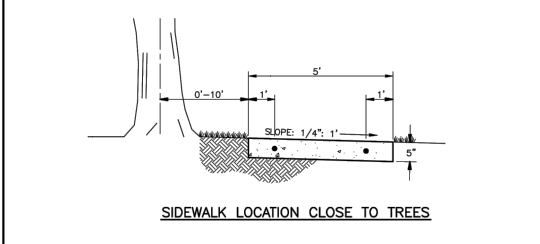


TYPICAL SIDEWALK LOCATION

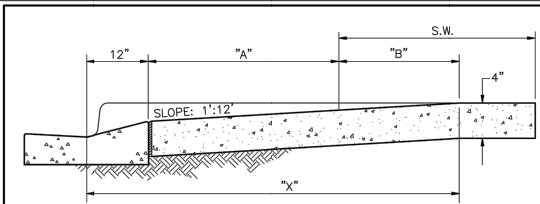


ALTERNATE SIDEWALK LOCATION

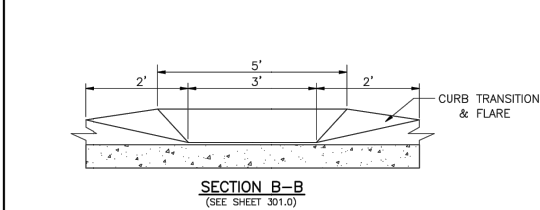
SIDEWALK LOCATION CLOSE TO TREES



MANATEE COUNTY		SIDEWALK REQUIREMENTS	301.1
TRANSPORTATION DEPARTMENT			
REV. BY	DATE		
	6/12/07		
	DATE OF B.O.C.C. APPROVAL		

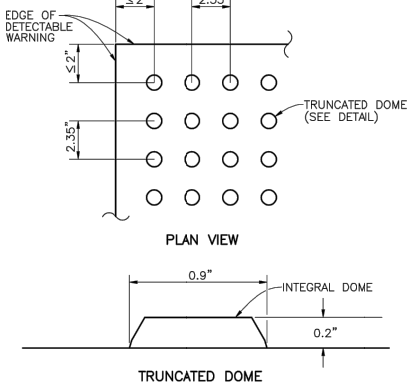


SECTION A-A		(SEE SHEET 301.0)	
S.W. = SIDEWALK	"A"	S.W. + A + 10"	"B"
5'	0	5.8'	5'
6'	0	6.8'	6'
7'	0	7.8'	7'
8'	0	8.8'	8'
5'	2'	7.8'	5'
5'	2.5'	8.3'	4.8'
5'	3'	8.8'	4.4'
5'	3.5'	9.3'	4.1'
5'	4'	9.8'	3.8'
5'	4.5'	10.3'	3.4'
5'	5'	10.8'	3.1'



NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2005 EDITION, INDEX 304, SHEETS 1 THROUGH 6.

MANATEE COUNTY		HANDICAPPED RAMP SHEET 2	302.2
TRANSPORTATION DEPARTMENT			
REV. BY	DATE		
	6/12/07		
	DATE OF B.O.C.C. APPROVAL		



CURB RAMP DETECTABLE WARNING DETAIL

NOTES:

DETECTABLE WARNINGS ON WALKING SURFACES

THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP.

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%.

CONTRAST IN PERCENT IS DETERMINED BY:

CONTRAST = [(B1-B2)/B1] x 100

WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THUS, B1 NEVER EQUALS 100 AND B2 IS ALWAYS GREATER THAN 0.

MANATEE COUNTY			CURB RAMP DETECTABLE WARNINGS	302.3
TRANSPORTATION DEPARTMENT				
REV. BY	DATE			
	6/12/07			
	DATE OF B.O.C.C. APPROVAL			

No.	REVISIONS	DATE	BY

DESIGNED BY	NTS
DRAWN BY	GF
CHECKED BY	MJR
	DWS

DATE	1/8/2020
PROJECT NO.	6086960

MANATEE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER DENNIS W. SYRJA, P.E.
FL. LICENSE NO. 43423

DETAILS
SHEET NO. C-301

MANATEE COUNTY / WATER BOOSTER STATION - QUANTITIES

PAY ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
0110 1 1	CLEARING & GRUBBING, INCLUDES FEXIBLE PAVEMENT REMOVAL	AC	2.1
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	58
0120 1	REGULAR EXCAVATION	CY	100
0120 4	SUBSOIL EXCAVATION	CY	280
0327 70 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	720
0339 1	MISCELLANEOUS ASPHALT PAVEMENT	TN	72
0519 78	BOLLARDS	EA	4
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	110
0530 74	BEDDING STONE	TN	885
0542 70	BUMPER GUARDS, CONCRETE	EA	11
0550 10222	FENCING, TYPE B, 5.1-6.0, W/VINYL COATING	LF	700
0570 1 2	PERFORMANCE TURF, SOD	SY	300
0634 4600	SPAN WIRE ASSEMBLY, REMOVE - POLES REMAIN	PI	1
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 FT	AS	1
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STO	LF	400

NOTE:

*011011 TO INCLUDE BIBB REMOVAL AND CAP, DISMANTLE
AND RELOCATE EXISTING GATE

*01201 TO INCLUDE DOWNSPOUTS CONNECTION TO POND

*053074 TO INCLUDE FILTER FABRIC UNDER THE GRAVEL.
BEDDING STONE WILL CONSIST OF A MIX 75% COARSE AND
25% FINE GRAVEL.