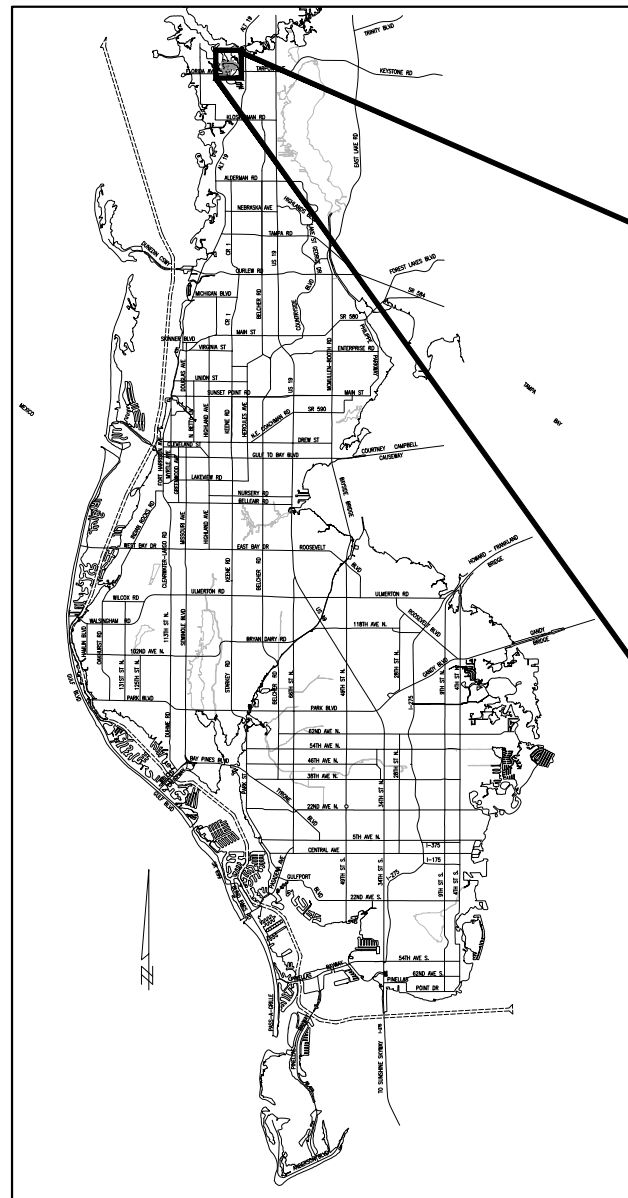




RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS

PINELLAS COUNTY
LOCATION MAP



COUNTY PROJECT ID 001037B ROADWAY PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET TITLE
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4-6	TYPICAL SECTION
7	SUMMARY OF QUANTITIES
8	SUMMARY OF DRAINAGE STRUCTURES
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12-16	DRAINAGE STRUCTURES
17-21	CROSS SECTIONS
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27-28	EROSION & SEDIMENT CONTROL PLAN
29	BORING LOCATION PLAN
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32	TEMPORARY TRAFFIC CONTROL PLAN
33-34	UTILITY ADJUSTMENT
1-8	TOPOGRAPHIC SURVEY

**DRAFT 100%
PLAN SUBMITTAL
JUNE 2021**

PROJECT MANAGER: ERIN LAWSON, P.E.
(727) 464-5917

PINELLAS COUNTY

14 SOUTH FORT HARRISON AVENUE
CLEARWATER, FLORIDA 33756
PHONE: (727)464-3588

PREPARED BY:



HARDESTY & HANOVER, LLC
5510 EISENHOWER BLVD S, SUITE 310
TAMPA, FLORIDA 33634
CERTIFICATE OF AUTHORIZATION 29741
PHONE: (813)749-0823

JASON W. DUNN, P.E. No. 65039
ENGINEER OF RECORD

DATE

PROJECT LOCATION

BEGIN PROJECT
STA. 124+00

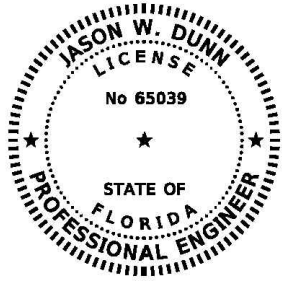
END PROJECT
STA. 129+80

SECTION 11, TOWNSHIP 27 SOUTH, RANGE 15 EAST
SECTION 12, TOWNSHIP 27 SOUTH, RANGE 15 EAST

KEY MAP
NOT TO SCALE



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HARDESTY & HANOVER, LLC
5110 EISENHOWER BLVD,
SUITE 310
TAMPA, FL 33634
CERTIFICATE OF AUTHORIZATION NO. 29741
JASON W. DUNN, P.E. NO. 65039
JDUNN@HARDESTYHANOVER.COM

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.005, F.A.C.

ROADWAY PLANS

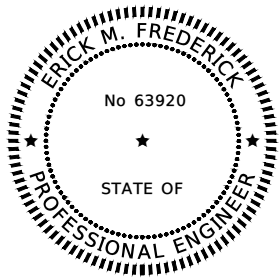
SHEET NO.

1
2
3
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SHEET TITLE

KEY SHEET AND VICINITY MAP
SIGNATURE SHEET
DRAINAGE MAP
TYPICAL SECTIONS
SUMMARY OF QUANTITIES
SUMMARY OF DRAINAGE STRUCTURES
GENERAL NOTES
ROADWAY PLAN
DRAINAGE STRUCTURES
CROSS SECTIONS
DRIVEWAY HALF SECTIONS
STORMWATER POLLUTION PREVENTION PLAN
EROSION AND SEDIMENT CONTROL PLAN
SIGNING & PAVEMENT MARKING PLAN
TEMPORARY TRAFFIC CONTROL PLAN
UTILITY ADJUSTMENT

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COPIES.

TIERRA, INC.
7351 TEMPLE TERRACE HIGHWAY
TAMPA, FLORIDA 33637
CERTIFICATE OF AUTHORIZATION NO. 6486
ERICK M. FREDERICK, P.E. NO. 63920
EFREDERICK@TIERRAENG.COM

ROADWAY PLANS

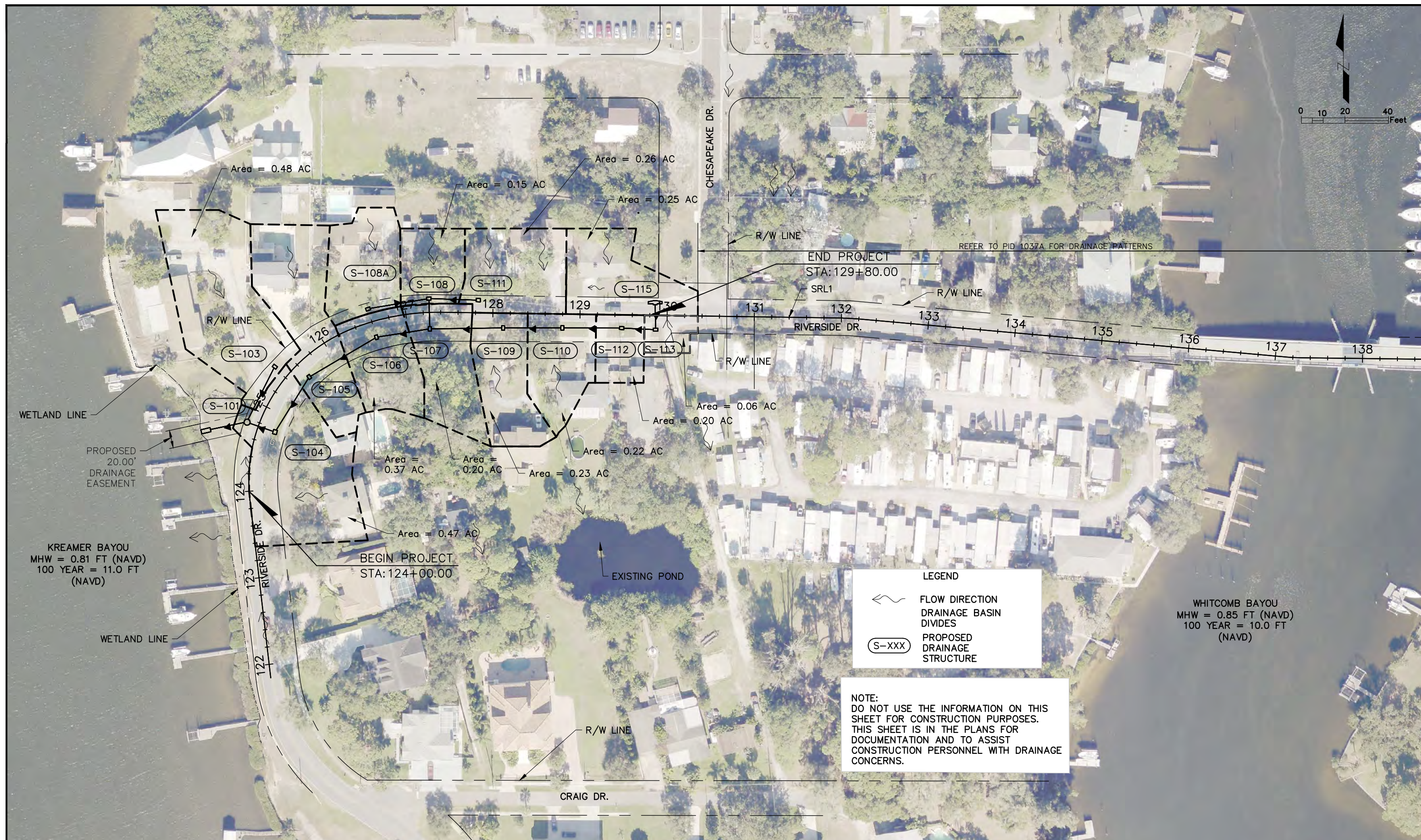
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SHEET TITLE

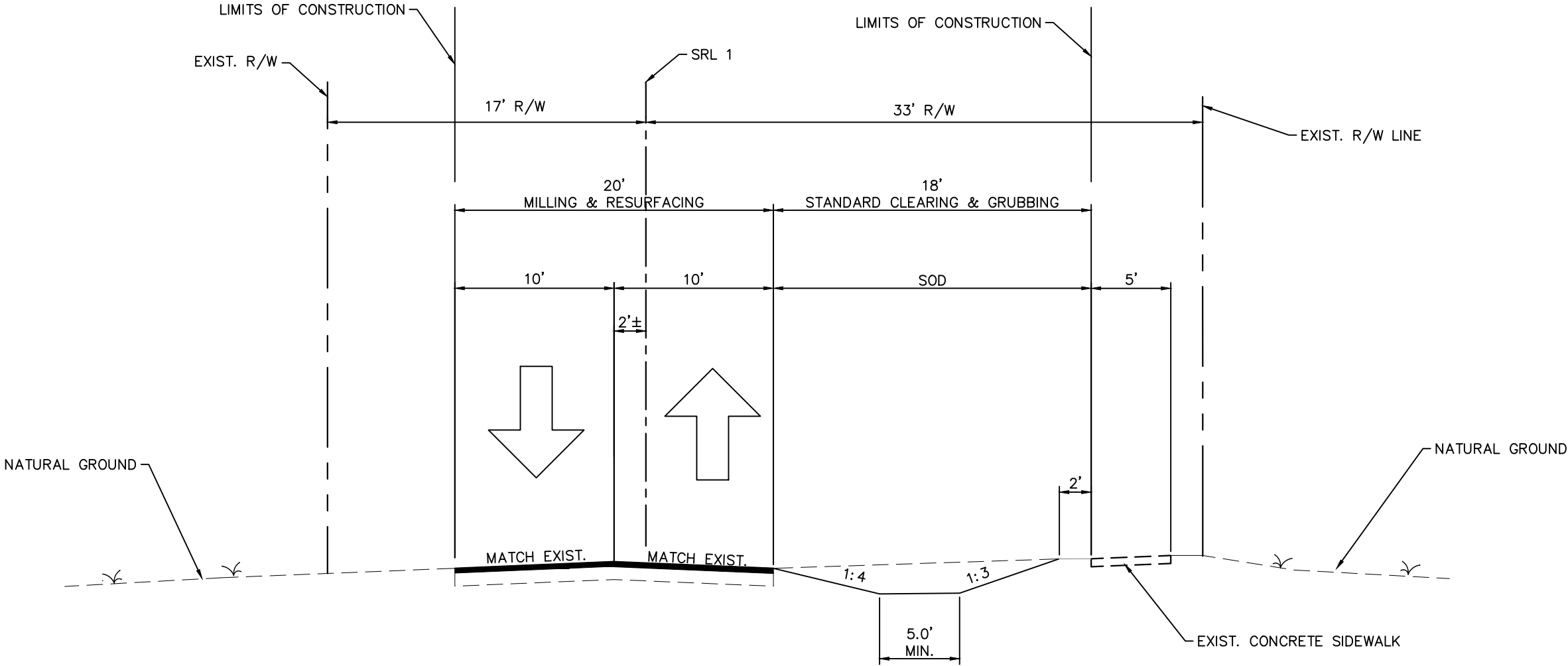
SIGNATURE SHEET
BORING LOCATION PLAN
SOIL PROFILE

				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	SIGNATURE SHEET	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:	JUNE 2021
				DRAWN	BB									PROJECT NO.	001037B
				CHECKED	JWD									SHEET:	2 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY												



				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: DRAINAGE MAP	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:
				DRAWN	BB							JUNE 2021
				CHECKED	JWD							PROJECT NO. 001037B
REV. NO.	DATE	DESCRIPTION	REV. BY									SHEET:
												3 OF 34

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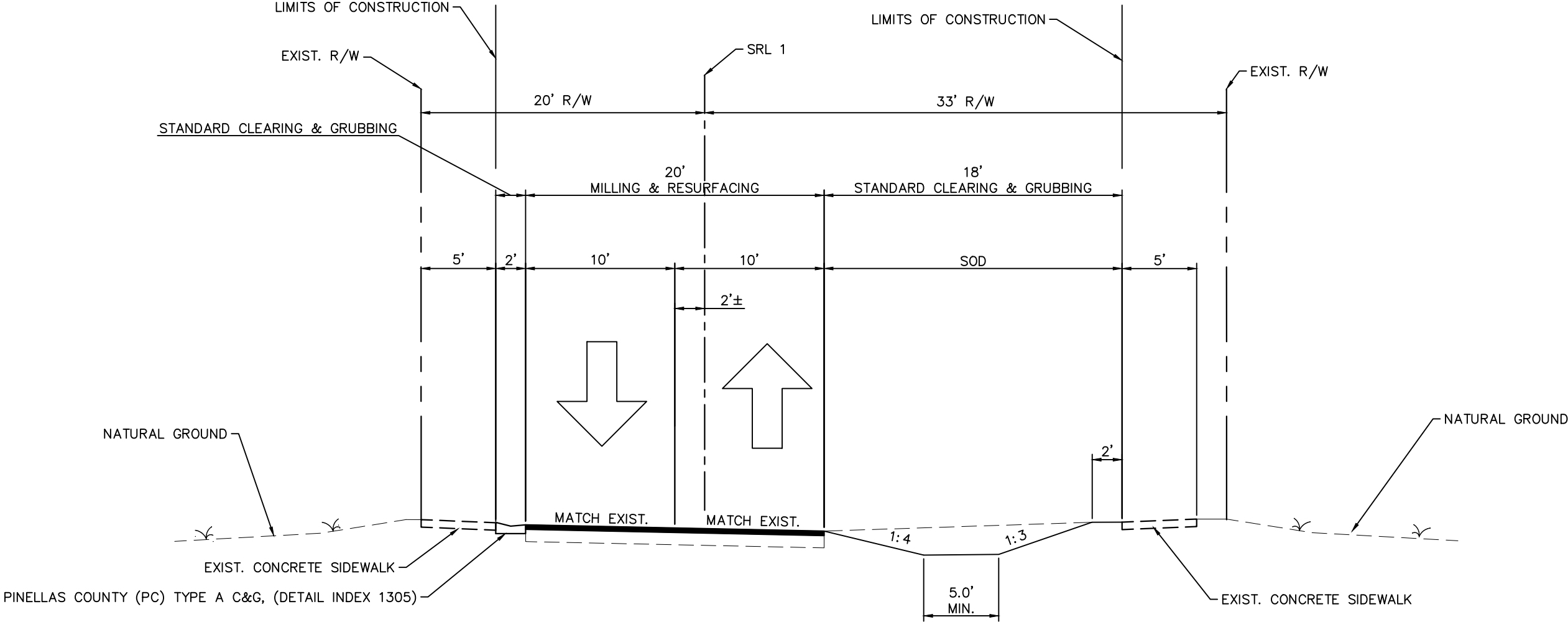
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ESTIMATED DESIGN YEAR = 2041 AADT = 7500
K = 9.0% D = 55.0% T = 2.9% (24 HOUR)
DESIGN SPEED = 30 MPH

TYPICAL SECTION
RIVERSIDE DRIVE
STA. 124+00.00 TO STA. 127+90.00

EXIST. TRAVEL LANES
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC C) (1")

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: TYPICAL SECTION (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
				DRAWN	BB								PROJECT NO. 001037B
				CHECKED	JWD								SHEET: 4 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY										

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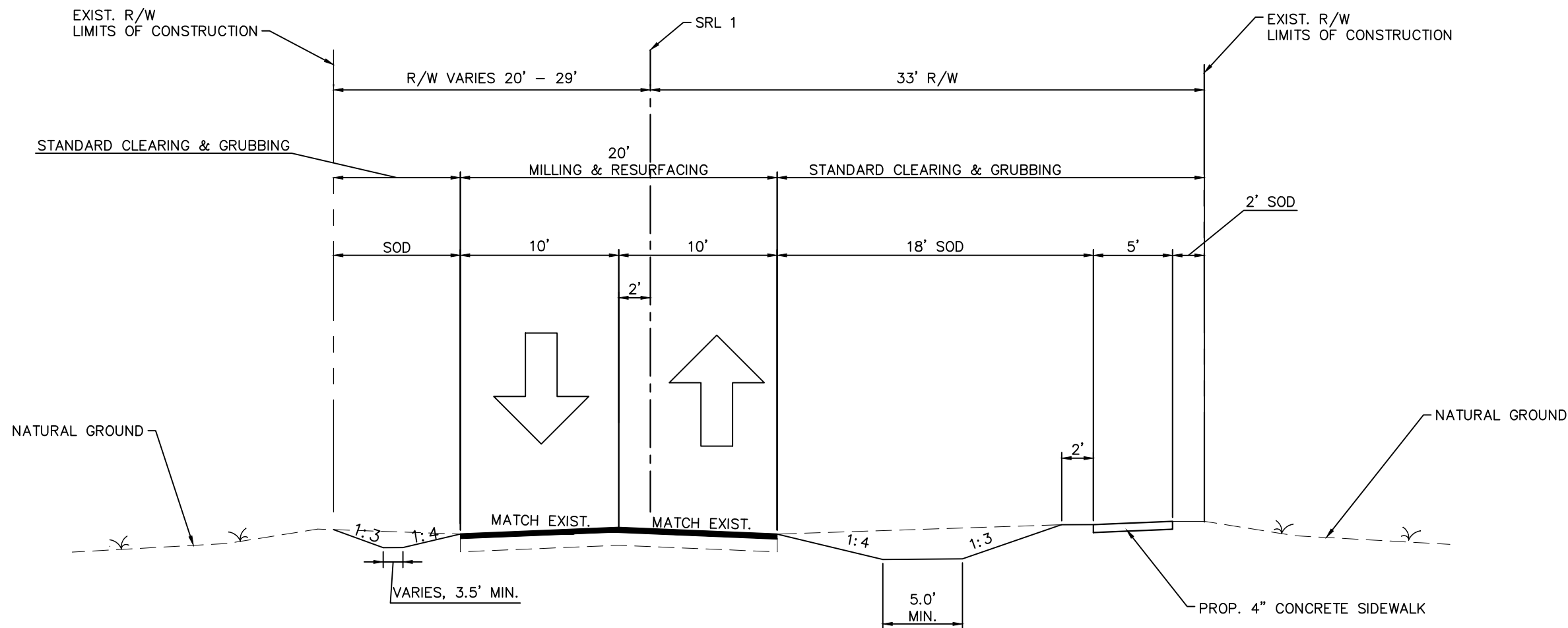
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ESTIMATED DESIGN YEAR = 2041 AADT = 7500
K = 9.0% D = 55.0% T = 2.9% (24 HOUR)
DESIGN SPEED = 30 MPH

TYPICAL SECTION
RIVERSIDE DRIVE
STA. 126+75.00 TO STA. 129+80.00

EXIST. TRAVEL LANES
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC C) (1")

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: TYPICAL SECTION (3)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD								SHEET:	6 OF 34

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TYPICAL SECTION
RIVERSIDE DRIVE
STA. 124+90.00 TO STA. 126+75.00

EXIST. TRAVEL LANES
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC C) (1")

TRAFFIC DATA

CURRENT YEAR = 2016 AADT = 5900
ESTIMATED OPENING YEAR = 2021 AADT = 6200
ESTIMATED DESIGN YEAR = 2041 AADT = 7500
K = 9.0% D = 55.0% T = 2.9% (24 HOUR)
DESIGN SPEED = 30 MPH

DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: TYPICAL SECTION (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
DRAWN	BB								PROJECT NO. 001037B
CHECKED	JWD								SHEET: 5 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY						

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				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	SUMMARY OF QUANTITIES	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B	
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD								SHEET:	7 OF 34	

				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	SUMMARY OF DRAINAGE STRUCTURES	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:		DATE:	JUNE 2021	
				DRAWN	BB											PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD									JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	SHEET:	8 OF 34

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RELATED STANDARDS AND SPECIFICATIONS:

DOCUMENT	DESCRIPTION
D-1	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", 2009, INCLUDING REV. 1 AND REV. 2 DATED MAY 2012.
D-2	FLORIDA DEPARTMENT OF TRANSPORTATION "JULY, 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSERVATION."
D-3	STATE OF FLORIDA "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", 2016 ("GREEN BOOK").
D-4	FLORIDA DEPARTMENT OF TRANSPORTATION "FY 2020-2021 STANDARDS PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS)."
D-5	FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, 2010.
D-6	PINELLAS COUNTY DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE (D.E.I.) "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/technical/pdf/roadway-tech-specs-July-2019-FDOT.pdf).
D-7	PINELLAS COUNTY D.E.I. "STANDARD ENGINEERING DETAILS", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/technical/pdf/std-details.pdf).
D-8	PINELLAS COUNTY D.E.I. STANDARD TECHNICAL SPECIFICATIONS FOR UTILITIES AND RELATED CONSTRUCTION, LATEST EDITION AVAILABLE ONLINE HTTP://WWW.PINELLASCOUNTY.ORG/UTILITIES/PDF/ENG_TECH_SPECS.PDF
D-9	PINELLAS COUNTY "SPECIFICATIONS FOR HOT BITUMINOUS MIXTURES, PLANT METHODS, EQUIPMENT AND CONSTRUCTION METHODS, 2013.

NOTE: PROVISIONS OF DOCUMENT D-9 SHALL SUPERSEDE CORRESPONDING PROVISIONS OF DOCUMENT D-2 WITH RESPECT TO OPERATION AND TESTING.

1.

REMOVE ONLY TREES DESIGNATED FOR REMOVAL IN THE PLANS, OR AS DIRECTED BY THE ENGINEER. OBTAIN THE HABITAT MANAGEMENT PERMIT FROM PINELLAS COUNTY TRANSPORTATION & STORMWATER – NATURAL RESOURCES. TREE REMOVAL IS INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING, UNLESS SEPARATE PAY ITEMS ARE PROVIDED.
2.

ALL MATERIALS NOT CLAIMED BY THE COUNTY MUST BECOME THE PROPERTY OF THE CONTRACTOR, AND MUST BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THE COST FOR THIS WORK IS INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING. MATERIALS TO BE CLAIMED BY AND DELIVERED TO THE COUNTY ARE AS FOLLOWS:

EXCESS MILLING AND CONCRETE MATERIALS (CURB, SIDEWALK, ETC.) THAT IS FREE FROM REINFORCEMENT MATERIAL.
3.

ALL STATIONS AND OFFSETS REFER TO CONSTRUCTION BASE LINE, UNLESS OTHERWISE NOTED.
4.

ALL EXISTING PIPES THAT ARE TO REMAIN IN SERVICE WITHIN THE RIGHT-OF-WAY CORRIDOR ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.
5.

STORM DRAIN INLET AND MANHOLE STATION LOCATIONS REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM.
6.

ALL DISTURBED AREAS, INCLUDING AREAS OUTSIDE THE CONSTRUCTION LIMITS, MUST BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL EXPENSE TO THE COUNTY. SEEDING MUST NOT BE USED AS FINAL GROUND COVER EXCEPT WHERE SPECIFICALLY SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.
7.

SHEETING, SHORING, AND BRACING MUST BE PROVIDED TO PROTECT ADJACENT STRUCTURES AND UTILITIES, OR TO MINIMIZE TRENCH WIDTH. THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED IS INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED, UNLESS OTHERWISE PROVIDED FOR SEPARATELY IN THE BID SUBMITTAL SHEETS.
8.

THE ENGINEER MUST RECEIVE PERMISSION FROM THE PROPERTY OWNER THROUGH A RIGHT OF ENTRY AGREEMENT AND\OR A SIDEWALK, UTILITY, OR DRAINAGE EASEMENT PRIOR TO ANY GRADING OR CONSTRUCTION BEYOND THE RIGHT-OF-WAY.
9.

ANY AND ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION. THE ENGINEER MUST BE PROMPTLY NOTIFIED OF ANY DISCREPANCIES.
10.

THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
11.

SURFACING MUST NOT BE APPLIED TO ANY MANHOLE COVERS, FRAMES, VALVE BOXES, GAS DROPS, ETC.
12.

SIDEWALK CURB RAMPS MUST BE PAID FOR AS DEFINED BY PINELLAS COUNTY SPECIFICATION 522 AND PINELLAS COUNTY STANDARD DETAIL 1360.
13.

ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS MUST REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER. PROPOSED SIGN LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT, AS DIRECTED BY THE ENGINEER.
14.

BLUE, BI-DIRECTIONAL RPMS MUST BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS, PLACED PER FDOT TRAFFIC ENGINEERING MANUAL, SECTION 4.3 – USE OF BLUE RAISED PAVEMENT MARKERS TO IDENTIFY FIRE

HYDRANTS.

15.

ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT – PROCEED WITH CAUTION – CALL "SUNSHINE 811" IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION & SAFETY ACT. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT. FURTHER COORDINATION WITH UTILITY OWNERS MAY BE NECESSARY TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF FAILURE TO CALL "SUNSHINE 811" AND THE UTILITY OWNERS.
16.

THE RESPONSIBLE UTILITY OWNER MUST BE NOTIFIED FOR RELOCATION OF METER BOXES FOR POTABLE AND NON-POTABLE WATER SERVICE.
17.

UTILITY ADJUSTMENT OWNERS:

SERVICE AREA NAME	CONTACT	PHONE NUMBERS
CLEARWATER GAS SYSTEM	BOBBY MORIG	DAY:(727)562-4900 X7401 ALT:(727)503-0770
CITY OF TARPON SPRINGS	PAUL HOPKINS	DAY:(727)942-5606 X2601
DUKE ENERGY-ST PETERSBURG	MEGAN VONSTETINA	DAY:(727)893-9394
FRONTIER COMMUNICATIONS	CARLOS BATES	DAY:(941)906-6709
KNOLOGY BROADBAND OF FL (DBA WIDE OPEN WEST-WOW)	JAY YOUNG	DAY:(727)217-2631 ALT:(727)235-1553
BRIGHT HOUSE NETWORKS NORTH PINELLAS	DONALD ANTHONY	DAY:(727)329-2841 ALT:(727)224-5459 EMERG:(727)329-2833

18. TREE REMOVAL NOTES:

NO. OF TREES REMOVED	DESCRIPTION	STATION	OFFSET
1	14" PALM	124+78.24	14.65 LT
1	12" OAK	126+62.28	22.57 RT
5	12" PALM	126+13.77 126+28.95 126+41.67 127+56.95	18.00' LT 18.34' LT 18.00' LT 17.80' LT 16.48 LT
1	40" EUCALYPTUS	127+62.67	14.84 RT
1	36" EUCALYPTUS	128+06.80	13.77 RT

19. ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

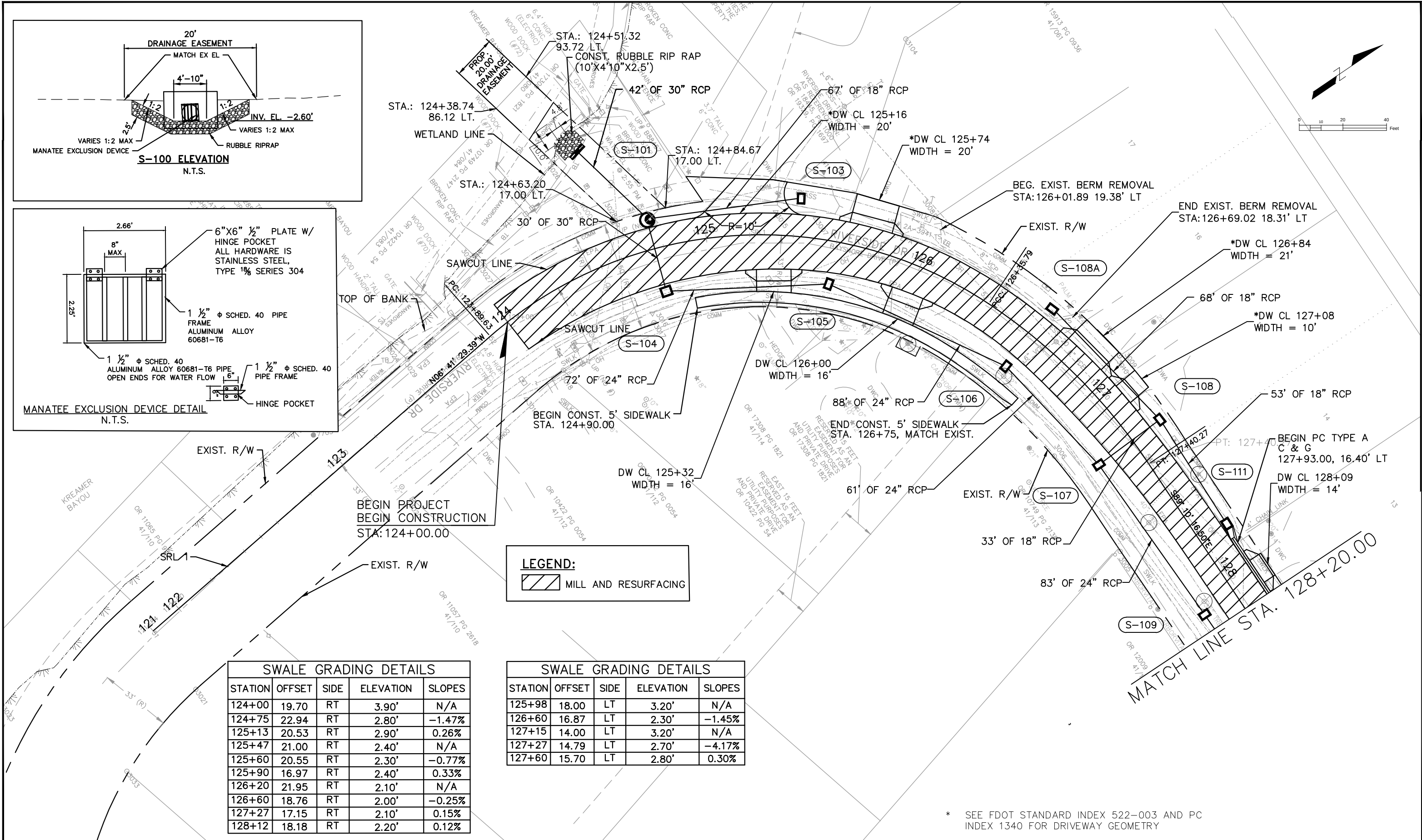
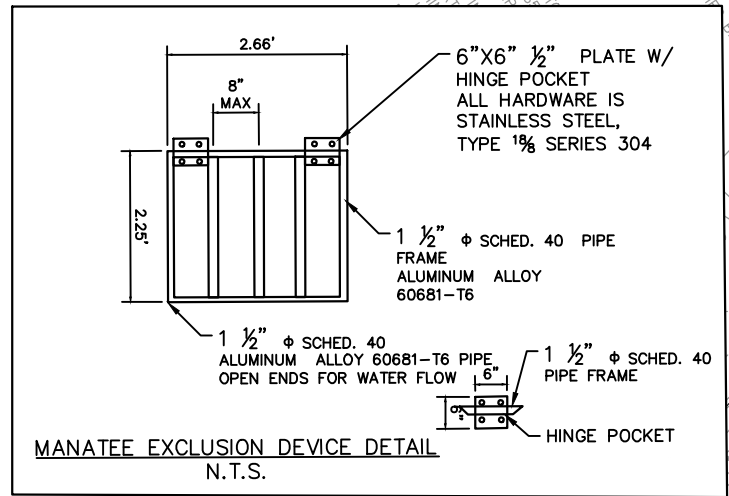
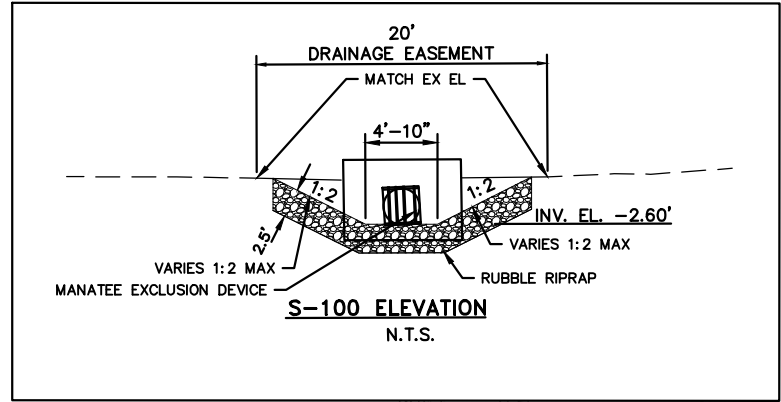
NOTES TO REVIEWER:

1.

WATER MAIN DEPTH SHOWN AT 3' BELOW GROUND.

				DESIGNED <u>CMN</u>		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:
				DRAWN <u>BB</u>										PROJECT NO.
				CHECKED <u>JWD</u>										001037B
REV. NO.	DATE	DESCRIPTION	REV. BY											SHEET:
														9 OF 34

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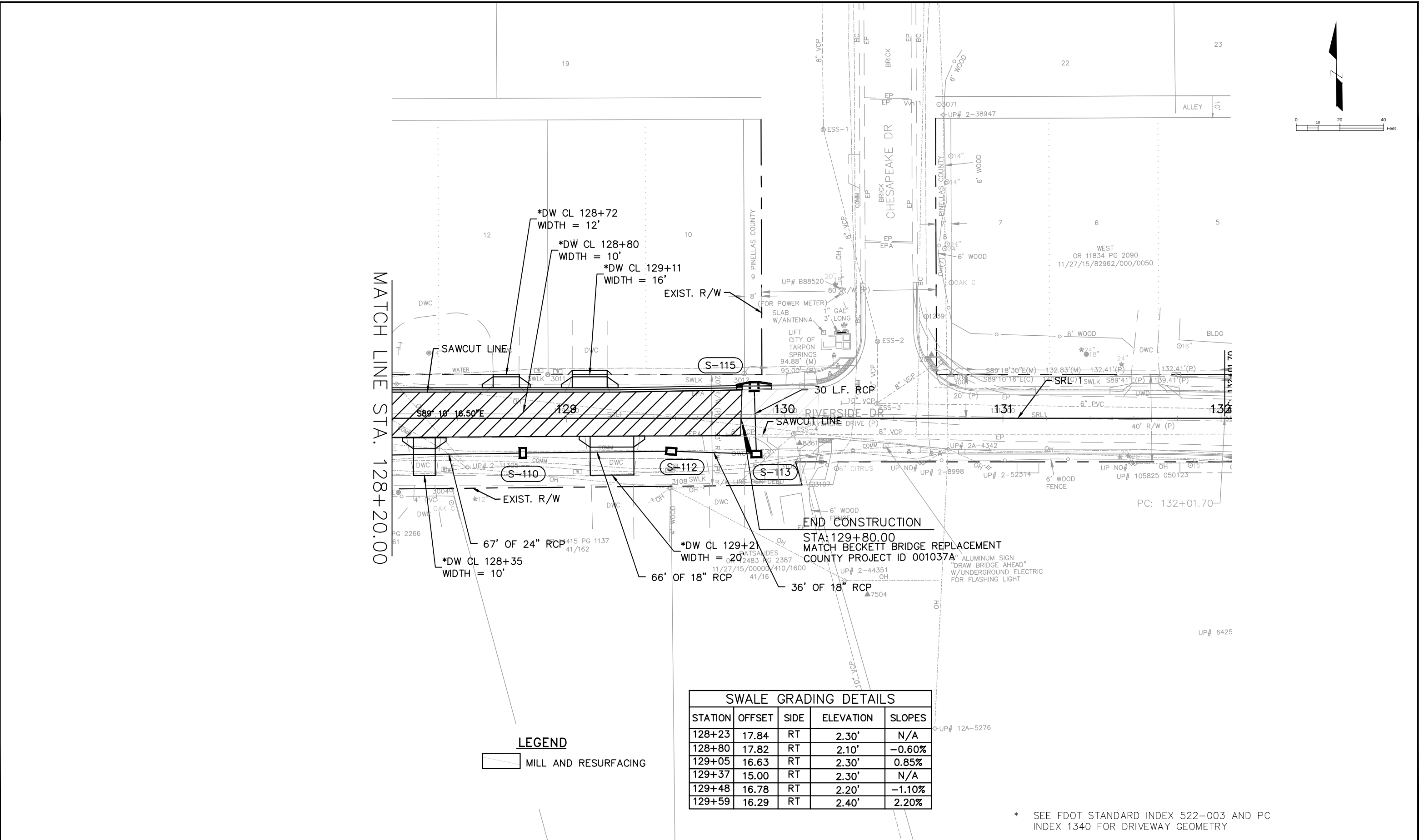
SWALE GRADING DETAILS				
STATION	OFFSET	SIDE	ELEVATION	SLOPES
124+00	19.70	RT	3.90'	N/A
124+75	22.94	RT	2.80'	-1.47%
125+13	20.53	RT	2.90'	0.26%
125+47	21.00	RT	2.40'	N/A
125+60	20.55	RT	2.30'	-0.77%
125+90	16.97	RT	2.40'	0.33%
126+20	21.95	RT	2.10'	N/A
126+60	18.76	RT	2.00'	-0.25%
127+27	17.15	RT	2.10'	0.15%
128+12	18.18	RT	2.20'	0.12%

SWALE GRADING DETAILS				
STATION	OFFSET	SIDE	ELEVATION	SLOPES
125+98	18.00	LT	3.20'	N/A
126+60	16.87	LT	2.30'	-1.45%
127+15	14.00	LT	3.20'	N/A
127+27	14.79	LT	2.70'	-4.17%
127+60	15.70	LT	2.80'	0.30%

* SEE FDOT STANDARD INDEX 522-003 AND PC INDEX 1340 FOR DRIVEWAY GEOMETRY

DESIGNED: CMN	PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: ROADWAY PLAN (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741	APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE: JUNE 2021
DRAWN: BB					PROJECT NO. 001037B
CHECKED: JWD					SHEET: 10 OF 34

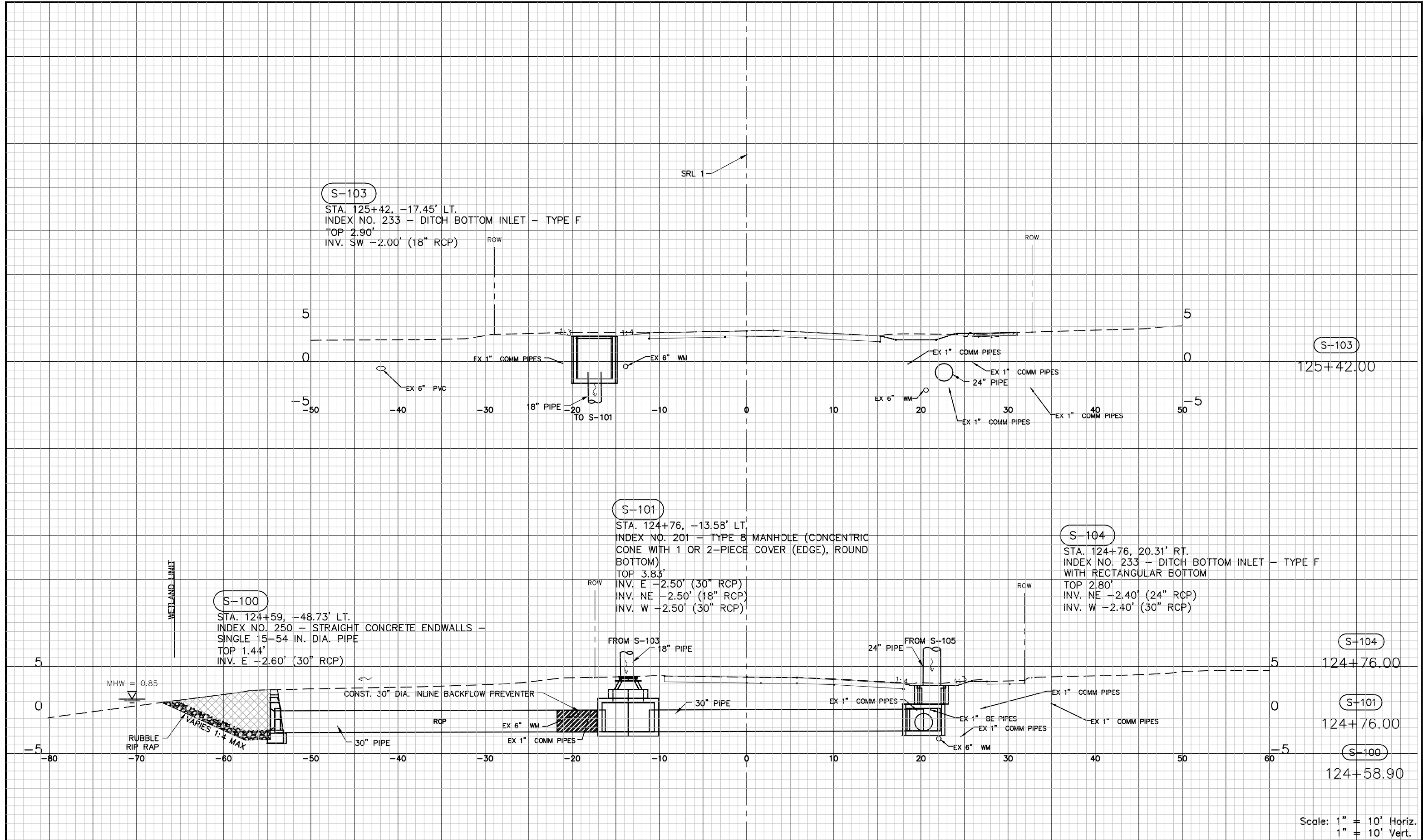
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				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: ROADWAY PLAN (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
				DRAWN	BB								PROJECT NO. 001037B
				CHECKED	JWD								SHEET: 11 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY										

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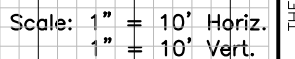
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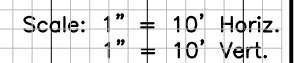
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1" = 10' Vert.

			DESIGNED CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: DRAINAGE STRUCTURES (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
			DRAWN BB								PROJECT NO. 001037B
			CHECKED JWD								SHEET:
REV. NO. DATE DESCRIPTION			REV. BY								12 OF 34

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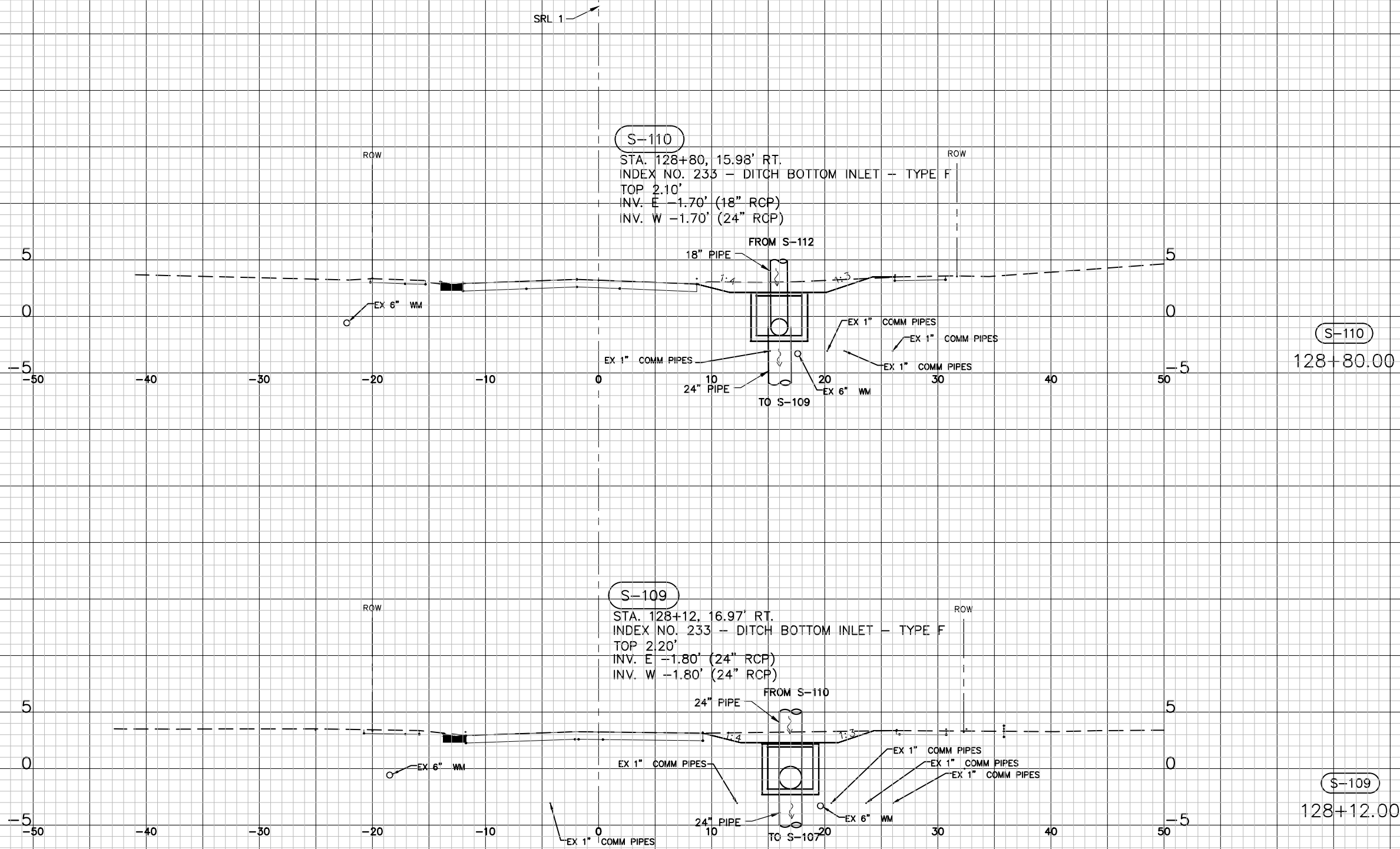


				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: DRAINAGE STRUCTURES (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE: JUNE 2021 PROJECT NO. 001037B SHEET: 13 OF 34
				DRAWN	BB							
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REV. NO.	DATE	DESCRIPTION	REV. BY									



				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	DRAINAGE STRUCTURES (3)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:	JUNE 2021
				DRAWN	BB									PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD									JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE

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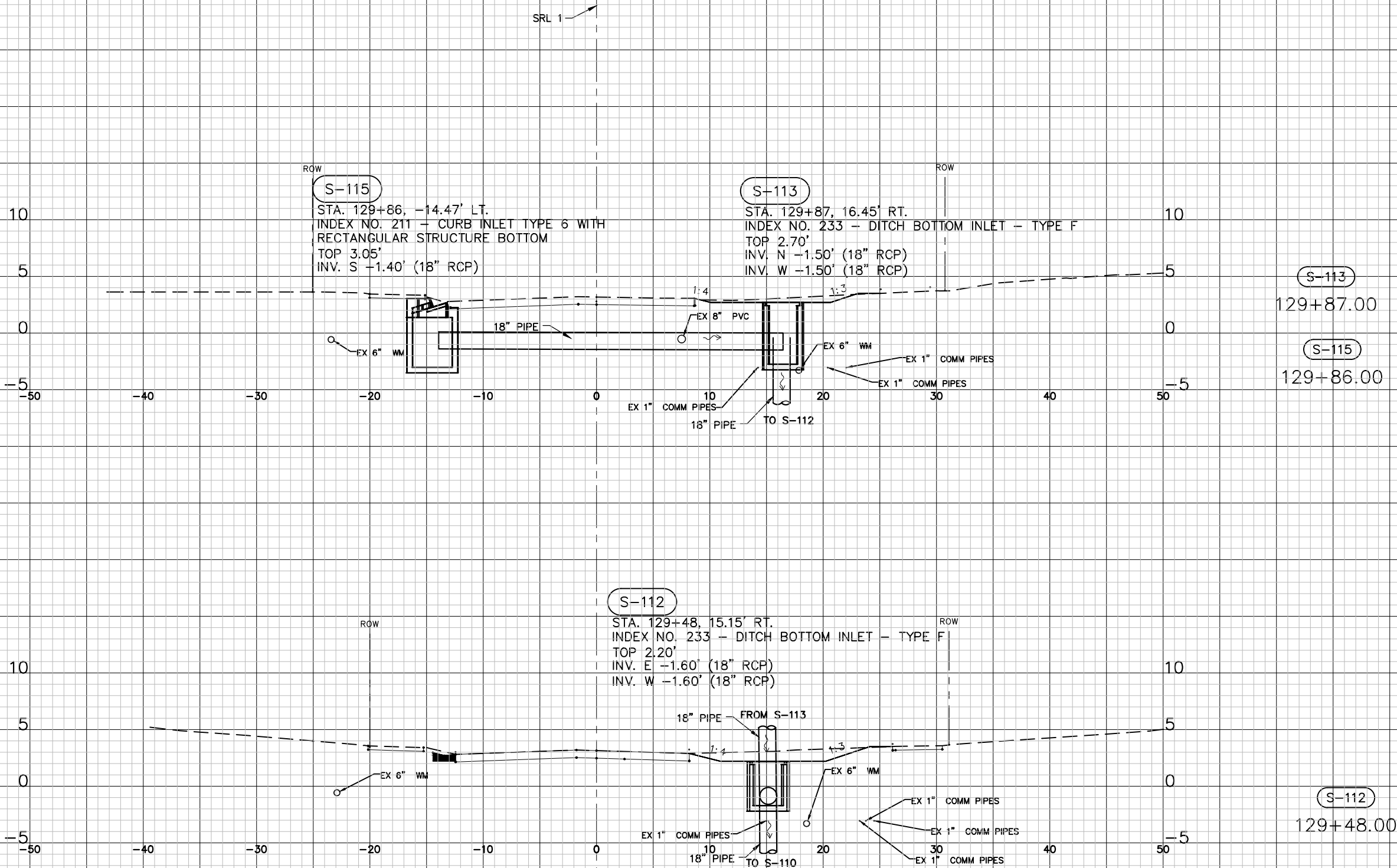


Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: DRAINAGE STRUCTURES (4)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
				DRAWN	BB								PROJECT NO. 001037B
				CHECKED	JWD								SHEET: 15 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY										

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Scale: 1" = 10' Horiz.
1" = 10' Vert.

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CHECKED	JWD
REV. BY	



PROJECT: RIVERSIDE DRIVE
DRAINAGE IMPROVEMENTS

DESCRIPTION: DRAINAGE STRUCTURES (5)

HARDESTY & HANOVER, LLC.
5110 EISENHOWER BLVD.
SUITE 310
TAMPA, FL 33634
CERTIFICATION OF AUTHORIZATION # 29741

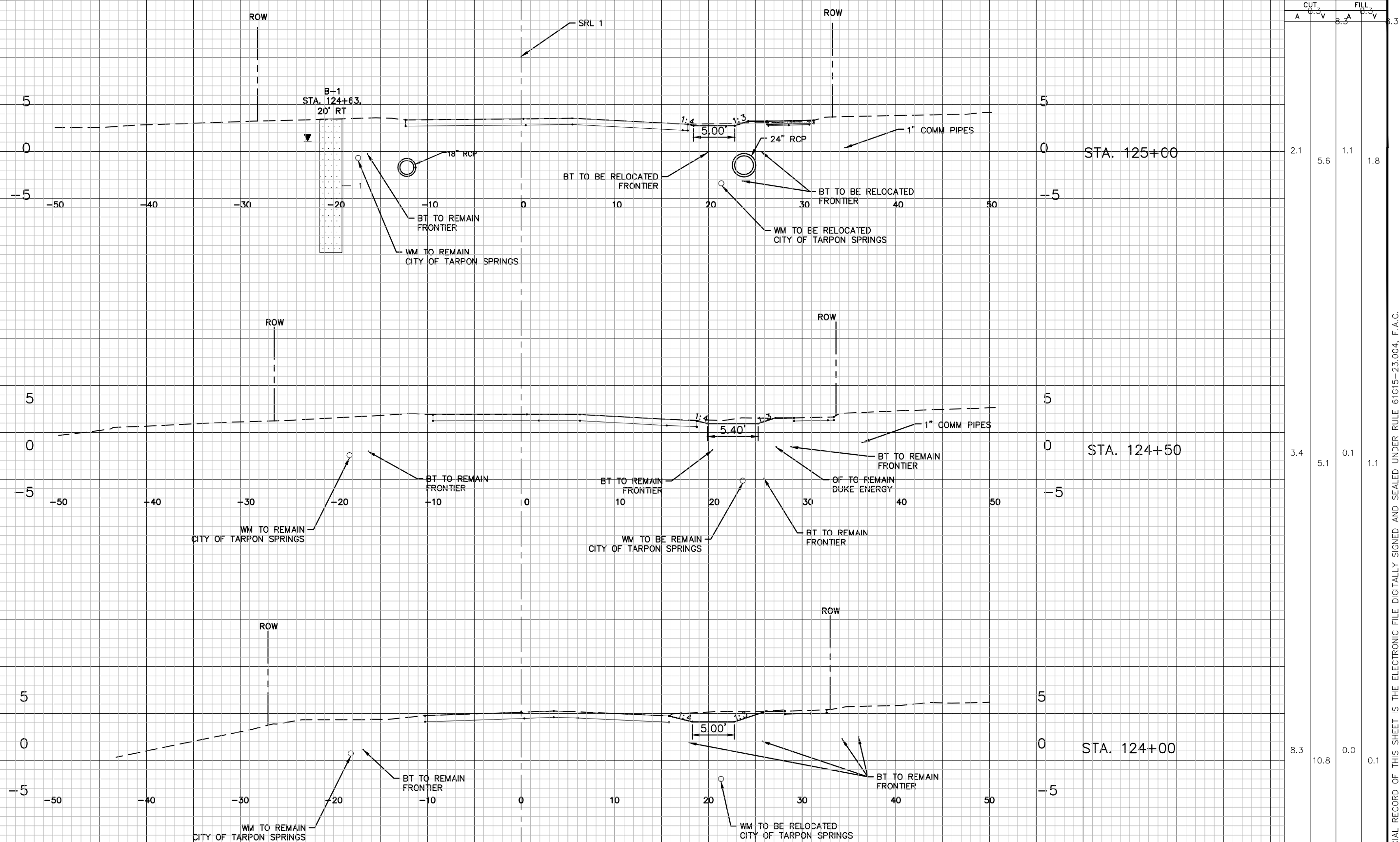


APPROVED BY: JASON W. DUNN, P.E.
FLA. LIC. NO. 65039
DATE:

DATE: 8/2/2019
PROJECT NO. 001037B
SHEET: 16 OF 29

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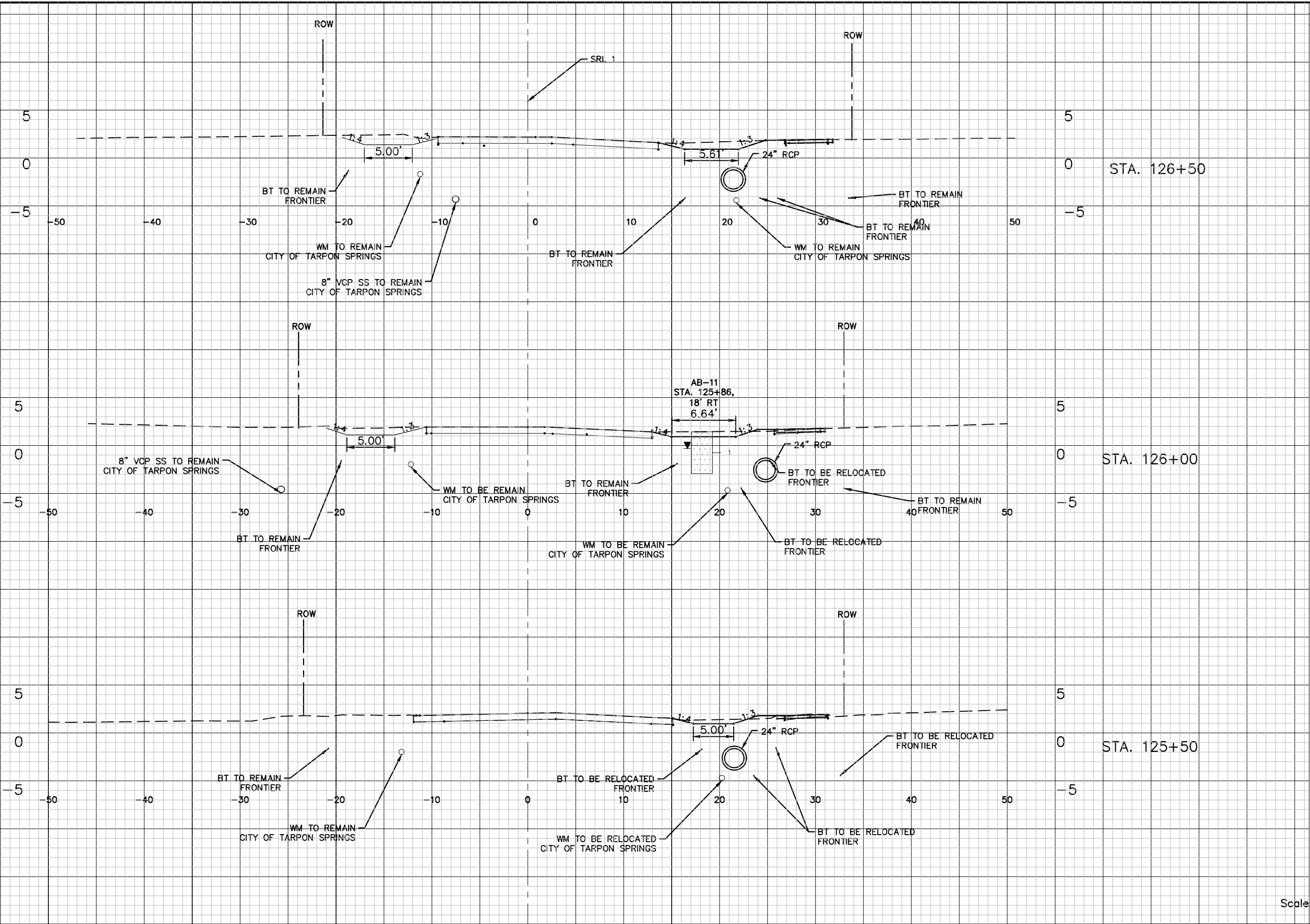
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Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
				CHECKED	JWD								SHEET:	17 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY											

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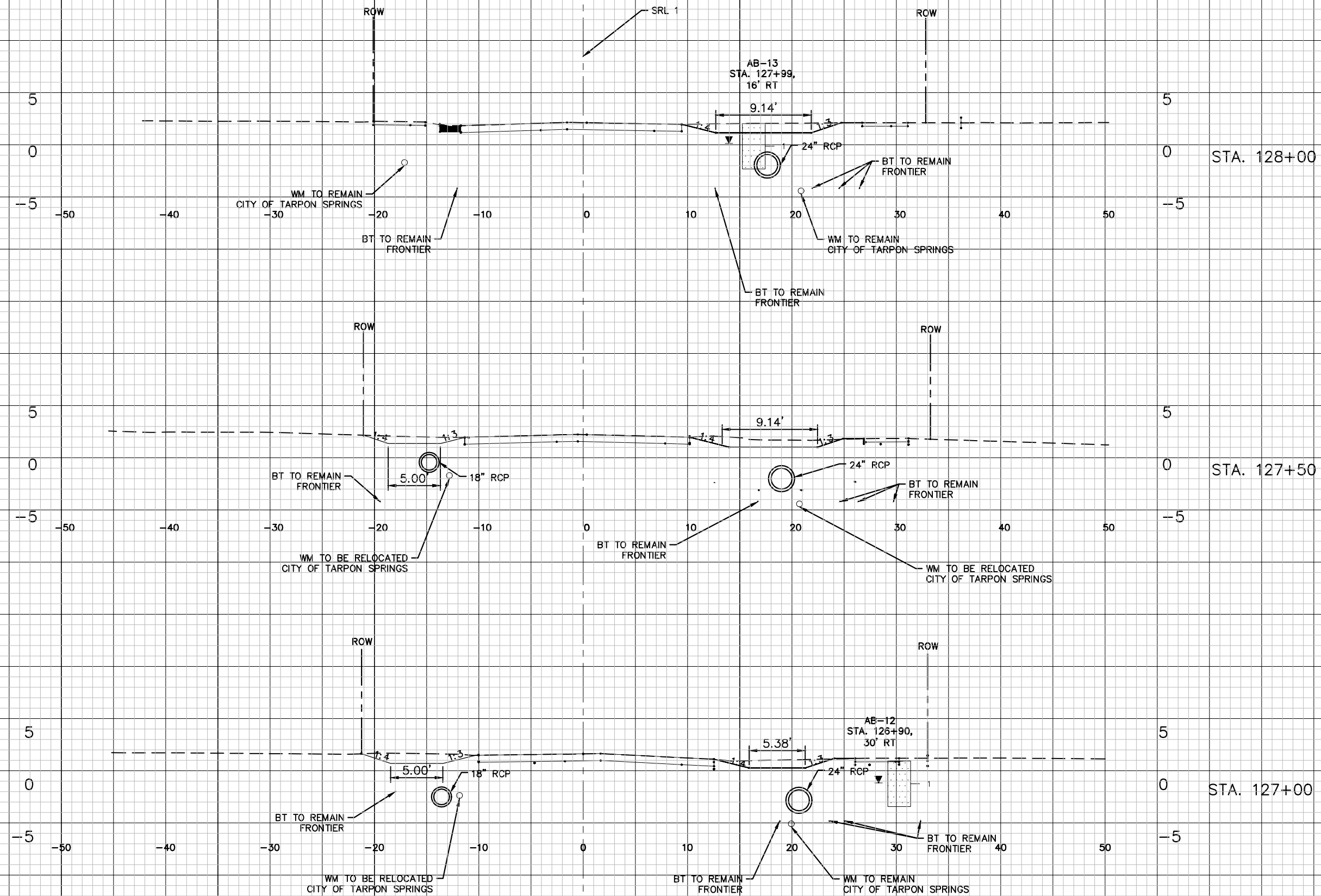
CUT		FILL	
A	V	A	V
15.7	27.2	0.0	0.1
11.6	25.2	0.8	0.7
4.0	14.4	0.9	1.5

Scale: 1" = 10' Horiz.
1" = 10' Vert.

DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
DRAWN	BB								PROJECT NO. 001037B
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REV. NO.	DATE	DESCRIPTION	REV. BY						

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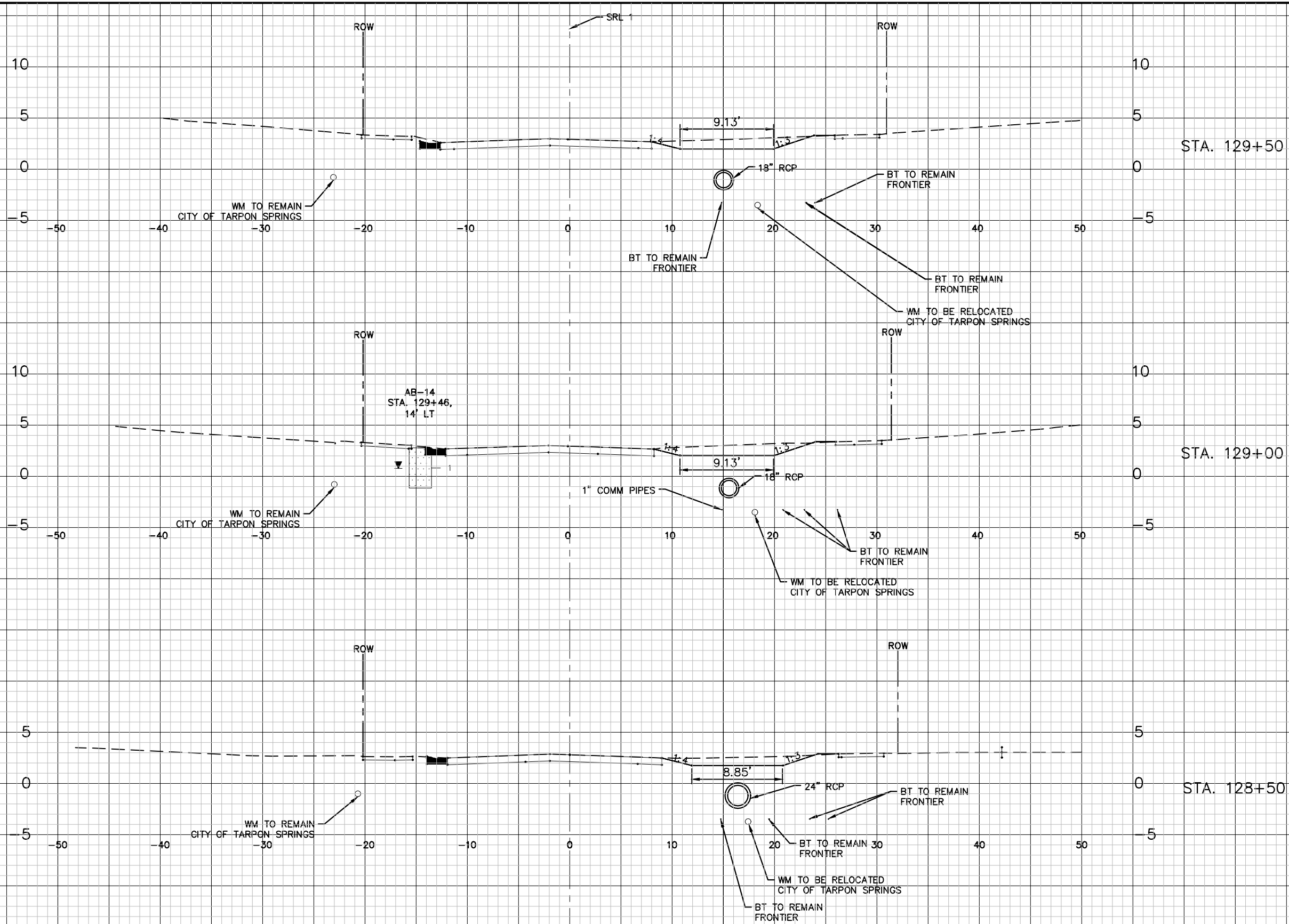
CUT		FILL	
A	V	A	V
11.1	19.0	0.0	0.1
13.7	22.9	0.1	0.1
13.7	25.4	0.1	0.2

Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS (3)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
				CHECKED	JWD								SHEET:	19 OF 34
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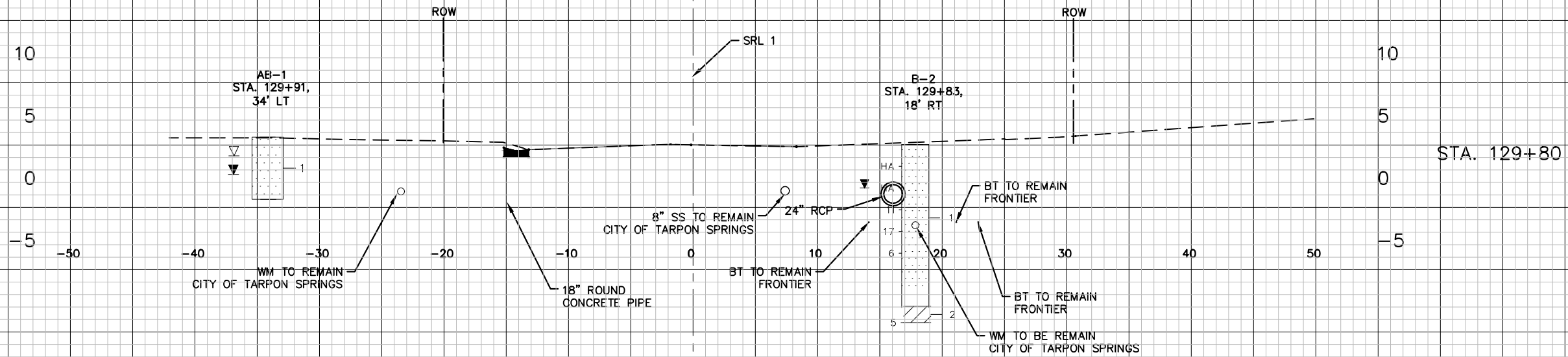
CUT		FILL	
A	V	A	V
11.6	6.4	0.1	0.1
12.5	22.3	0.1	0.2
9.5	20.3	0.2	0.3

Scale: 1" = 10' Horiz.
1" = 10' Vert.

DESIGNED CMN			PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS (4)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE: JUNE 2021
DRAWN BB									PROJECT NO. 001037B
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Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS (5)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
				CHECKED	JWD								SHEET:	21 OF 34
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The drawing illustrates a road cross-section with three stations: STA. 126+84, STA. 126+05, and STA. 125+19. The grid shows elevations from -5 to 5 feet. The road profile is shown with various slopes indicated by percentages. The right-of-way (ROW) and side road line (SRL1) are also marked.

Station 126+84: The road profile shows a slope of 0.93% and 2.00%. The ROW is marked at the top left. The SRL1 is marked at the top right.

Station 126+05: The road profile shows a slope of 2.00%, 1.36%, 2.00%, and 8.85%. The ROW is marked at the top right.

Station 125+19: The road profile shows a slope of 6.29%, 2.00%, and 2.00%. The ROW is marked at the top left.

Station 125+32: The road profile shows a slope of 2.00%, 2.00%, and 6.72%. The ROW is marked at the top right. The SRL1 is marked at the bottom left.

Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	DRIVEWAY HALF SECTION (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741 	APPROVED BY:	DATE:	JUNE 2021	
				DRAWN	BB		CHECKED	JWD						PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY										JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	SHEET: 22 OF 34

				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
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The drawing is a technical cross-section of a road, plotted on a grid. The vertical axis represents elevation, with labels at -5, 0, 5, 10, 15, and 20. The horizontal axis represents stationing, with labels at 50, 40, 30, 20, 10, 0, 10, 20, 30, 40, and 50. The road profile is shown as a solid line, and the right-of-way (ROW) is indicated by dashed lines. The drawing is divided into three sections, each corresponding to a specific station: STA. 130+02, STA. 129+73, and STA. 129+21. The road profile shows a series of slopes with percentages: 2.00%, 3.00%, 5.30%, 2.00%, and 14.20%. The ROW lines are shown as dashed lines, and the road profile is shown as a solid line. The drawing is a technical cross-section of a road, showing the road profile, ROW, and various slope percentages.

STA. 130+02

STA. 129+73

STA. 129+21

STA. 129+11

Scale: 1" = 10' Horiz.
1" = 10' Vert.

				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: DRIVEWAY HALF SECTION (3)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD								SHEET:	24 OF 34

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I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

THE PURPOSE OF THIS PROJECT IS TO MILL & RESURFACE RIVERSIDE DRIVE AND ADD DRAINAGE IMPROVEMENTS FROM NORTH OF CRAIG DR TO CHESAPEAKE DR.

B. PROJECT LIMITS

RIVERSIDE DRIVE FROM NORTH OF CRAIG DR. TO CHESAPEAKE DR.

C. PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO IMPROVE THE DRAINAGE ALONG THE WEST PORTION OF BECKETT BRIDGE EXTENDING ALONG RIVERSIDE DRIVE FROM THE NORTH OF CRAIG DRIVE TO CHESAPEAKE DRIVE. THIS WILL BE DONE BY PROVIDING NEW STORM DRAINAGE PIPES AND INLETS ALONG THIS PORTION WEST OF BECKETT BRIDGE WHERE ROADWAY FLOODING IS THE MOST SUSCEPTIBLE. THE PROPOSED OUTFALL FOR THE NEW DRAINAGE SYSTEM WILL DISCHARGE INTO KREAMER BAYOU. DESIGN SERVICES WILL INCLUDE THE MILLING & RESURFACING OF EXISTING ROADWAY AND REPLACEMENT OF EXISTING SIDEWALK & DRIVEWAYS.

D. MAJOR SOIL DISTURBING ACTIVITIES

REPLACEMENT OF THE EXISTING BRIDGE STRUCTURES AND THE RECONSTRUCTION OF THE ROADWAY APPROACHES.

E. TOTAL PROJECT AREA: 0.81 ACRES
TOTAL AREA TO BE DISTURBED: 0.81 ACRES

F. RUNOFF DATA

NO ADDITIONAL IMPERVIOUS AREA IS PROPOSED. POST CONSTRUCTION RUNOFF EQUALS PRE CONSTRUCTION RUNOFF.

G. SOIL DATA

BASED ON THE CURRENT USDA NATURAL RESOURCE CONSERVATION SERVICE, SOIL SURVEY OF PINELLAS COUNTY, FLORIDA: TAVERES SOILS AND URBAN LAND.

H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)

SEE DRAINAGE MAP ON SHEET 3.

I. RECEIVING WATERS

KREAMER BAYOU

J. WETLANDS AREAS

0.01 ACRES OF MANGROVE IMPACTS AND 0.00 ACRES OF FILL IMPACTS.

II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN s.62-40.432, F.A.C., THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1988) AND ANY SUBSEQUENT AMENDMENTS.

A. SEQUENCE OF MAJOR ACTIVITIES

CLEARING AND GRUBBING OF EARTHWORK ASSOCIATED WITH THE PROPOSED INLETS AND OUTFALL

CONSTRUCTION OF ALL DRAINAGE INLETS, OUTFALL, MILLING & RESURFACING, AND DRIVEWAYS.

WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR

DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY ½" RAINFALL.

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER.

C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT SODDING OR SEEDING
- PRESERVATION OF NATURAL RESOURCES
- BUFFER ZONES

D. STRUCTURAL PRACTICES

- ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- X INLET PROTECTION SYSTEM (EA)
- LITTER REMOVAL AND DISPOSAL (AC)
- MOWING (AC)
- SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- X FLOATING TURBIDITY BARRIER (LF)
- X SEDIMENT BARRIERS (LF)
- CHEMICAL TREATMENT - POWDERED (SY)
- CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
- OTHER

E. DESCRIPTION OF STORM WATER MANAGEMENT

ROADWAY RUNOFF WILL BE COLLECTED BY INLETS LOCATED ON THE EDGE OF ROADWAY AND DISCHARGE TO WHITCOMB BAYOU.

F. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

G. OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPAULIN AT ALL TIMES.

H. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO

COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

I. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

PERMITTEE CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

IVAN J. FERNANDEZ, P.E., MANAGER DATE
TECHNICAL SERVICES, PUBLIC WORKS, PINELLAS COUNTY, APPLICANT-AUTHORIZED AGENT FOR THE PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS.

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE DATE

COMPANY NAME

COMPANY STREET ADDRESS

CITY, STATE, ZIP CODE

J. WATER QUALITY MONITORING (MIXING ZONES)

THE WATER THAT WILL BE SAMPLED FOR STATE WATER QUALITY STANDARDS FOR CONSTRUCTION ACTIVITIES PROHIBIT A TURBIDITY INCREASE OF GREATER THAN 29 NTU'S ABOVE AMBIENT CONDITIONS AT THE COMPLIANCE LOCATION OF THE MIXING ZONES. TO MAINTAIN THIS STANDARD, TURBIDITY MONITORING SHALL OCCUR DURING ALL IN-WATER CONSTRUCTION ACTIVITIES AT EACH COMPLIANCE AND BACKGROUND STATION. THE FOLLOWING PROCEDURE SHALL BE USED:

FREQUENCY: TWICE A DAY, AT LEAST 4 HOURS APART DURING FREQUENCY OF ACTUAL CONSTRUCTION OPERATIONS.

LOCATIONS: ALL STATIONS SHALL BE SAMPLED AT 2 FEET ABOVE LOCATIONS THE BOTTOM, AT MID-DEPTH, AND AT THE SURFACE, OR AS DIRECTED BY PERMITTING AGENCIES. IF WATER IS LESS THAN THREE FEET DEEP, ONLY MID-DEPTH SAMPLES ARE REQUIRED.

				DESIGNED CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: STORMWATER POLLUTION PREVENTION PLAN (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE: JUNE 2021
				DRAWN BB							PROJECT NO. 001037B
				CHECKED JWD							SHEET:
REV. NO.	DATE	DESCRIPTION	REV. BY								25 OF 34

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BACKGROUND: 500 FEET UP-CURRENT FROM THE CONSTRUCTION BACKGROUND ACTIVITY AND OUTSIDE OF ANY TURBIDITY PLUME FROM THE CONSTRUCTION ACTIVITY.

COMPLIANCE: 300 FEET DOWN CURRENT FROM THE CONSTRUCTION COMPLIANCE ACTIVITY WITHIN ANY VISIBLE TURBIDITY PLUME, OR AS DIRECTED BY PERMITTING AGENCIES.

METHOD: ALL SAMPLES SHALL BE COLLECTED WITH A KEMMERER, VAN DORN METHOD, OR SIMILAR SAMPLER WHICH IS DESIGNED TO COLLECT IN SITU WATER SAMPLES.

REPORTING: ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE REPORTING WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION:

1.

PERMIT NUMBER: TBD
2.

DATES OF SAMPLING AND ANALYSIS
3.

LOCATION OF SAMPLE (I.E., STATION AND WATER COLUMN LOCATION)
4.

A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING,
5.

STORAGE, AND ANALYSIS OF THE SAMPLES
6.

A MAP INDICATING THE SAMPLING LOCATIONS
7.

STATEMENT, BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM, CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA.

MONITORING REPORTS SHALL INCLUDE INFORMATION ON THE GENERAL ANTECEDENT WEATHER CONDITIONS.

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED TO THE REGULATORY AGENCIES. IN THE EVENT THAT STATE WATER QUALITY STANDARDS ARE NOT ATTAINED, THE CONTRACTOR SHALL IMPLEMENT A CONTINGENCY PLAN WHICH COMPLIES WITH THE PROJECT SWFWMD/FDEP ERP AND PINELLAS COUNTY NPDES REQUIREMENTS AT NO ADDITIONAL COST TO THE COUNTY. ANY FINES SHALL BE RESPONSIBILITY OF THE CONTRACTORS.

- K.

APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS
NONE AT THE TIME OF PERMITTING

III. MAINTENANCE

- A.

ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL DEVICES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH PINELLAS COUNTY D.E.I. "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", AND THE PROJECT CONSTRUCTION CONTRACT.

- B.

INSPECTION

THE COUNTY INSPECTOR SHALL BE RESPONSIBLE FOR COMPLETING THE PINELLAS COUNTY D.E.I. NPDES / SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY ½" RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. THE COUNTY INSPECTOR SHALL ALSO COMPLETE THE PINELLAS COUNTY D.E.I. NPDES COMPLIANCE CHECKLIST FOR CONSTRUCTION SITES.

- C.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE OR AS DIRECTED BY THE ENGINEER. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, DEWATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

D. MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL HANDLING PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF:

1.

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
- ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

2.

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON-SITE ON THE CONSTRUCTION OFFICE TRAILER.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
- THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

3.

CONCRETE TRUCKS

- CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE "ILLICIT DISCHARGE" PROVISION OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE. SECTION 58-239 OF THE PINELLAS COUNTY CODE AUTHORIZES PENALTIES OF UP TO \$10,000.00 FOR EACH OFFENSE.

4.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A

DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.

- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.
- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND OF THE CONTAMINATION.

PERMITTEE CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

IVAN J. FERNANDEZ, P.E., MANAGER

DATE

TECHNICAL SERVICES, PUBLIC WORKS, PINELLAS COUNTY, APPLICANT-AUTHORIZED AGENT FOR THE PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS.

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE

DATE

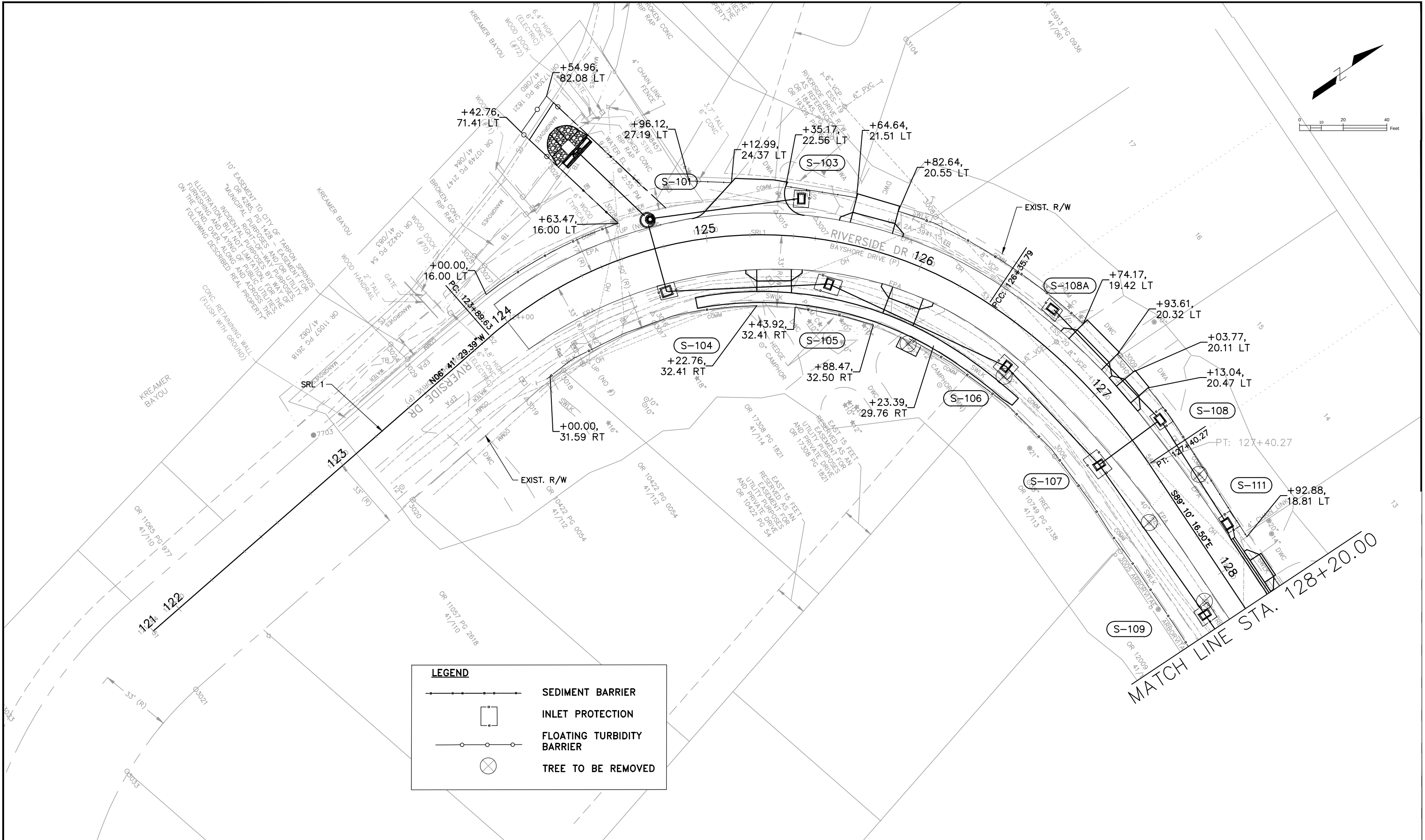
COMPANY NAME

COMPANY STREET ADDRESS

CITY, STATE, ZIP CODE

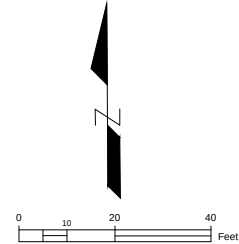
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				DRAWN	BB							PROJECT NO.	001037B
				CHECKED	JWD							SHEET:	26 OF 34
REV. NO.	DATE	DESCRIPTION	REV. BY										

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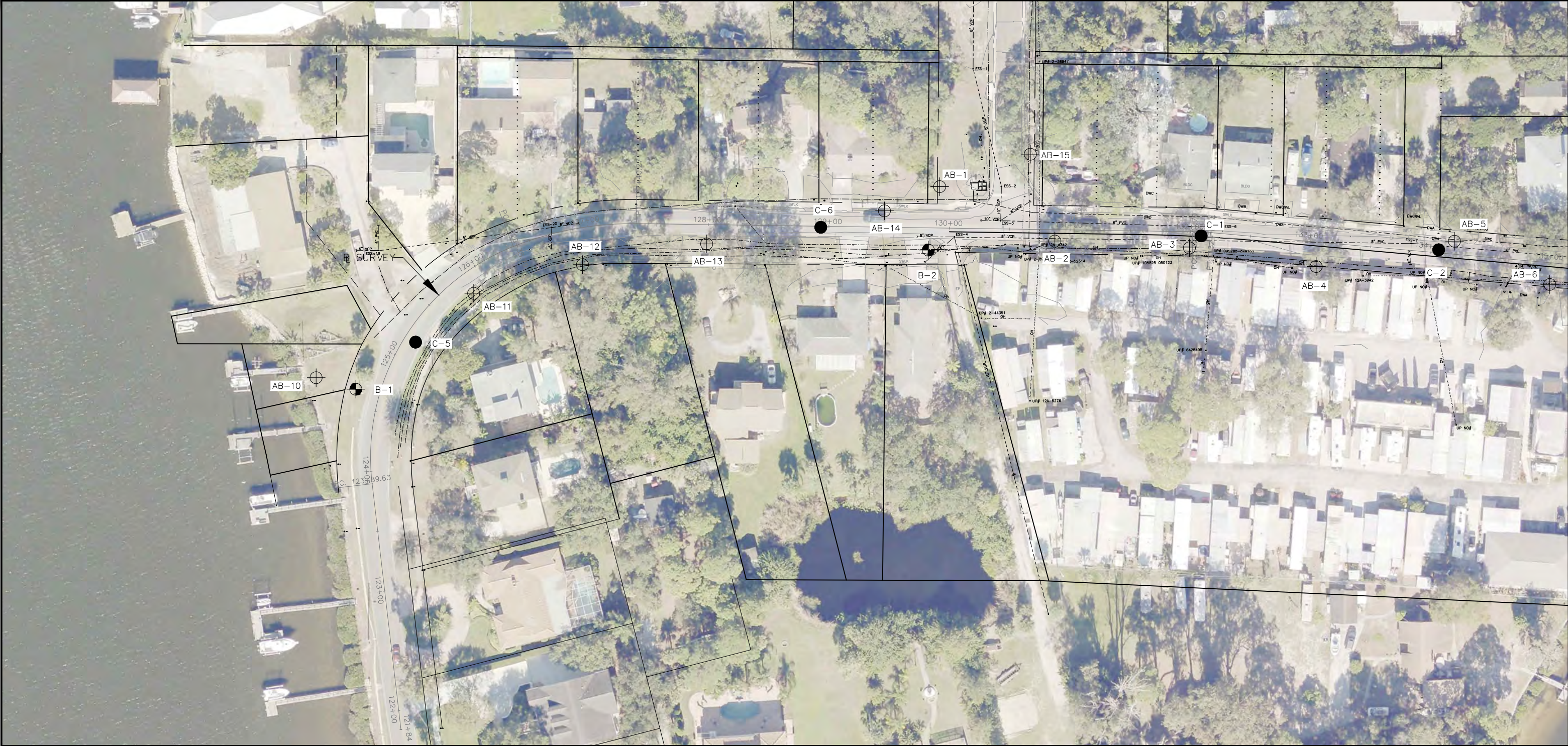


				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: EROSION AND SEDIMENT CONTROL PLAN (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY: JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB								PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD								SHEET:	27 OF 34

DATE: JUNE 2021	
PROJECT NO. 001037B	
SHEET:	27 OF 34

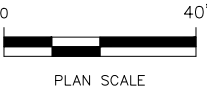


				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	EROSION AND SEDIMENT CONTROL PLAN (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE:	JUNE 2021
				DRAWN	BB									PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD									SHEET:	28 OF 34



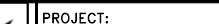
- NOTES:
1. BASE MAP PROVIDED BY HARDESTY & HANOVER
 2. THE BORING LOCATIONS WERE ESTIMATED USING HAND-HELD NON-SURVEY GRADE GPS EQUIPMENT WITH A MANUFACTURER'S REPORTED ACCURACY OF +/- 10 FEET AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE.

BORING LOCATION PLAN



LEGEND

- APPROXIMATE LOCATION OF PAVEMENT CORE
- ⊕ APPROXIMATE LOCATION OF AUGER BORING
- ⦿ APPROXIMATE LOCATION OF SPT BORING

				DESIGNED	SW		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: BORING LOCATION PLAN	 7351 Temple Terrace Highway Tampa, Florida 33637 Phone: 813-989-1354 Fax: 813-989-1355 FL Cert. No.: 6486	APPROVED BY: ERICK M. FREDERICK, P.E. FLA. REG. NO 63920	DATE: 2/15/2019
			DRAWN	SW	PROJECT NO. 001037B						
			CHECKED	KW	SHEET: 29 OF 31						
REV. NO.	DATE	DESCRIPTION	REV. BY								

SOIL PROFILES

LEGEND

- 1

GRAY TO PALE BROWN TO BROWN SAND TO SAND WITH SILT (A-3)
- 2

BLUE-GREEN SANDY CLAY TO CLAY (A-7-6)
- P

PAVEMENT AND BASE MATERIAL
- A-3

AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW
- GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
- ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
- N

SPT N-VALUE IN BLOWS/FOOT FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED)
- HA

HAND AUGURED TO VERIFY UTILITY CLEARANCES
- BASELINE SURVEY OF RIVERSIDE DR/ N SPRING BLVD.

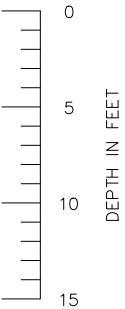
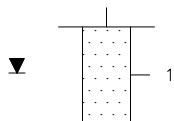
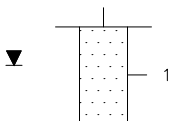
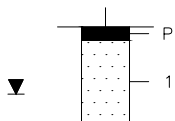
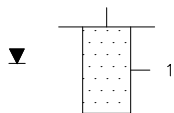
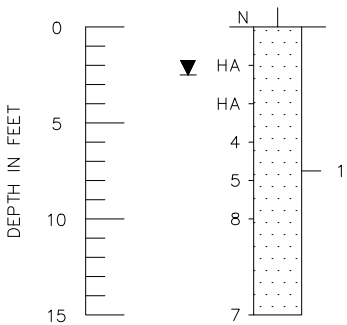
BOR # B-1
STA. 124+63
REF. SURVEY
OFF. 20' LT.
DATE 1/2/2019
DRILLER K. CAUDILL
HAMMER AUTOMATIC
RIG D-25

BOR # AB-10
STA. 124+64
REF. SURVEY
OFF. 54' LT.
DATE 1/2/2019

BOR # C-5
STA. 125+18
REF. SURVEY
OFF. 10' RT
DATE 1/2/2019

BOR # AB-11
STA. 125+86
REF. SURVEY
OFF. 18' RT.
DATE 1/2/2019

BOR # AB-12
STA. 126+90
REF. SURVEY
OFF. 30' RT.
DATE 1/2/2019



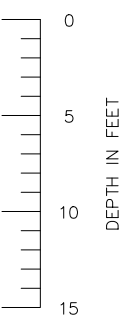
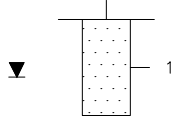
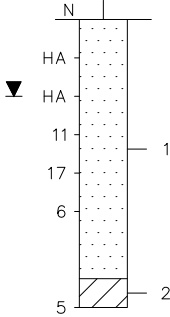
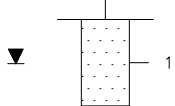
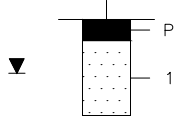
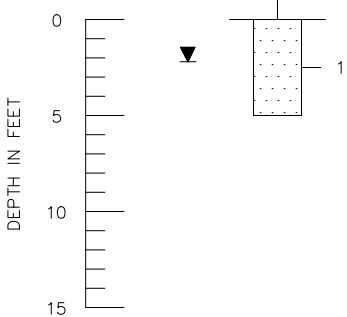
BOR # AB-13
STA. 127+99
REF. SURVEY
OFF. 16' RT.
DATE 1/2/2019

BOR # C-6
STA. 128+93
REF. SURVEY
OFF. 1' RT
DATE 1/2/2019

BOR # AB-14
STA. 129+46
REF. SURVEY
OFF. 14' LT.
DATE 1/2/2019

BOR # B-2
STA. 129+83
REF. SURVEY
OFF. 18' RT.
DATE 1/2/2019
DRILLER K. CAUDILL
HAMMER AUTOMATIC
RIG D-25

BOR # AB-15
STA. 130+66
REF. SURVEY
OFF. 62' LT.
DATE 1/2/2019



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

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- | | | |
|-------------------------|--|---|
| 2 WEEKS PRIOR: | <u>DISPLAY 1</u>
CONST ON
RIVERSIDE
DRIVE | <u>DISPLAY 2</u>
CONST
BEGINS
XX/XX/XX |
| DURING
CONSTRUCTION: | <u>DISPLAY 1</u>
CONST ON
RIVERSIDE
DRIVE | <u>DISPLAY 2</u>
USE
CAUTION |

WB RIVERSIDE DRIVE EAST OF CHESAPEAKE DRIVE
EB RIVERSIDE DRIVE 200' BEFORE BEGIN PROJECT LIMIT.

-
- Diagram illustrating a work zone layout for a 10' MILL & RESURFACE project. The diagram shows a hatched area labeled "WORK ZONE" and a "CHANNELIZING DEVICE" at the right end. A "SRL 1" (Safety Road Line) is positioned to the right of the work zone. A double-headed arrow indicates the "MAINTAIN TWO-WAY" traffic flow. "EXIST. R/W" (Existing Right of Way) lines are shown on both sides. A "10' MILL & RESURFACE" area is indicated at the bottom of the work zone.

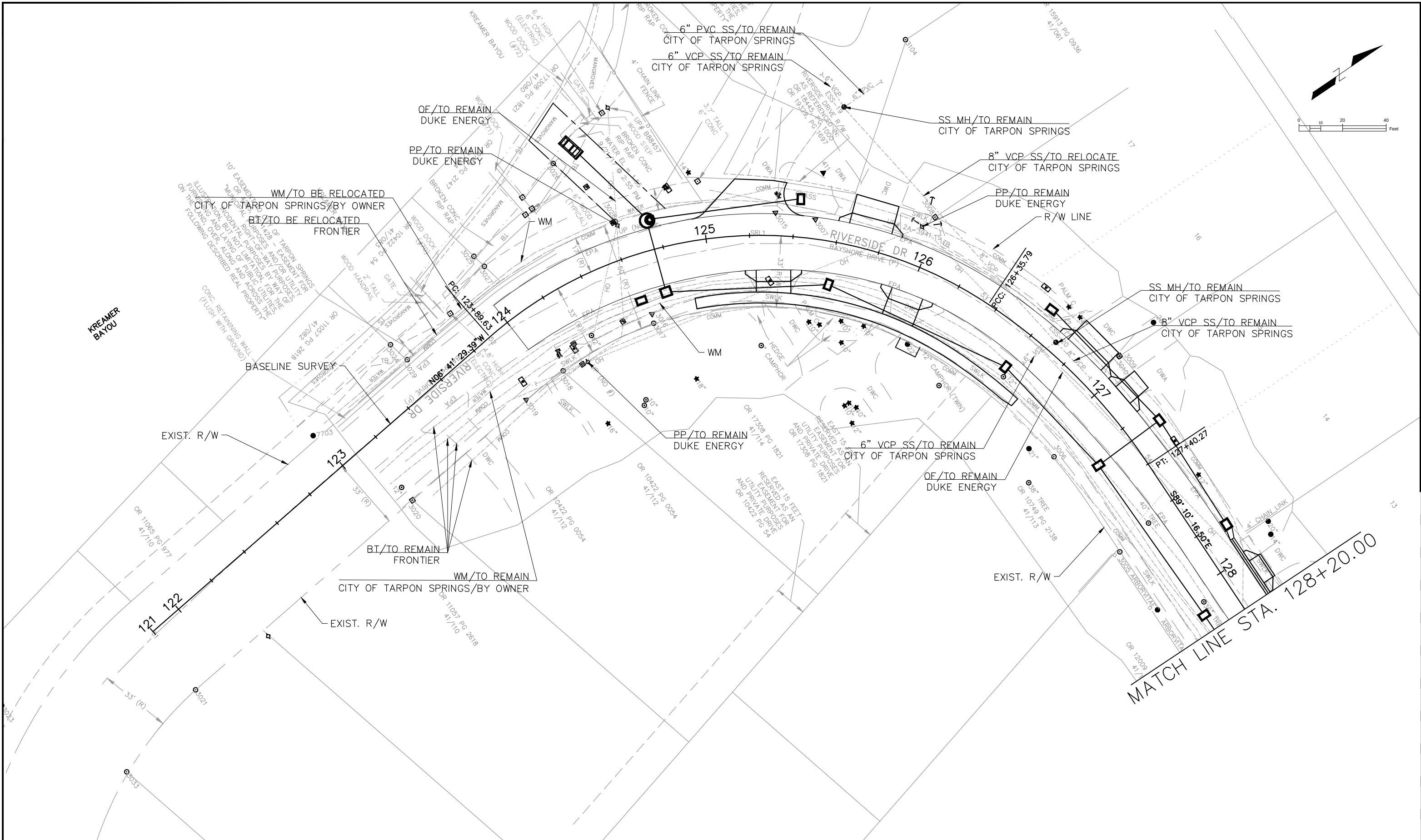
TEMPORARY TRAFFIC CONTROL PHASE NOTES

1. INSTALL TRAFFIC CONTROL DEVICES AS PER FDOT STANDARD PLANS 102-600, 102-603, AND 102-660.
2. BEGIN CONSTRUCTION OF PROPOSED ROADSIDE IMPROVEMENTS WHILE MAINTAINING TRAFFIC USING 102-603. MAINTAIN PEDESTRIAN TRAFFIC USING 102-660.
3. WHILE MAINTAINING TRAFFIC USING 102-603, OPEN CUT THE WB HALF OF RIVERSIDE DRIVE TO INSTALL CROSS DRAIN PIPE. UPON COMPLETION, BACKFILL AND REPLACE EXISTING PAVEMENT.
4. WHEN ROADSIDE IMPROVEMENTS ARE COMPLETE, MILL AND RESURFACE THE WB/SB HALF OF RIVERSIDE DRIVE AS SHOWN ON THE ROADWAY PLANS. USE 102-603 TO MAINTAIN TRAFFIC DURING MILLING AND RESURFACING OPERATIONS.

The diagram illustrates a two-lane road construction project. A hatched rectangular area represents the 'WORK ZONE'. To the left of the work zone, a dashed line indicates the 'EXIST. R/W' (Existing Right-of-Way). A vertical dashed line labeled 'SRL 1' (Shoulder Restraint Line 1) is positioned at the start of the work zone. A large double-headed vertical arrow labeled 'MAINTAIN TWO-WAY' indicates that traffic in both directions must be maintained. A small truck icon is shown on the road to the left of the work zone. A 'CHANNELIZING DEVICE' is shown at the entrance of the work zone. A '10' MILL & RESURFACE' operation is indicated within the work zone. The 'EXIST. R/W' is also marked on the right side of the work zone.

				DESIGNED	CMN		PROJECT:	RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION:	TEMPORARY TRAFFIC CONTROL PLAN	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE	DATE:	JUNE 2021
				DRAWN	BB											PROJECT NO.	001037B
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWD											SHEET:	32 OF 34

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				DESIGNED	CMN		PROJECT: RIVERSIDE DRIVE DRAINAGE IMPROVEMENTS	DESCRIPTION: UTILITY ADJUSTMENT (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 CERTIFICATION OF AUTHORIZATION # 29741		APPROVED BY:	DATE: JUNE 2021
				DRAWN	BB						PROJECT NO. 001037B	
				CHECKED	JWD						SHEET: 33 OF 34	
REV. NO.	DATE	DESCRIPTION	REV. BY									

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

