

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
STRUCTURAL WIDENING PLANS
PEDESTRIAN BRIDGE PLANS
MASTER LIFT STATION PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

1	KEY SHEET
2	GENERAL NOTES
3	PROJECT LAYOUT
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S-1 - S-27	SIGNING AND PAVEMENT MARKING PLANS

PROJECT DESCRIPTION:
THIS PROJECT CONSISTS OF ADDING A 6' PAVED SHOULDER TO RYE ROAD AND WIDENING THE EXISTING PAVEMENT TO 24' (MINIMUM). A LEFT TURN LANE IS ADDED AT WATERLINE SERVICE ROAD AND THE REMAINDER OF THE CORRIDOR RECEIVES FRICTION COURSE.

THERE IS A 12' CONCRETE TRAIL CONSTRUCTED IN THE PROJECT CORRIDOR. THIS PROJECT COMPLETES THE TRAIL. PEDESTRIAN BRIDGES ARE INCLUDED AS WELL AS RYE ROAD BRIDGE WIDENING AT TWO LOCATIONS.

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2017-18 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/rddesign/DesignStandards/Standards.shtm>

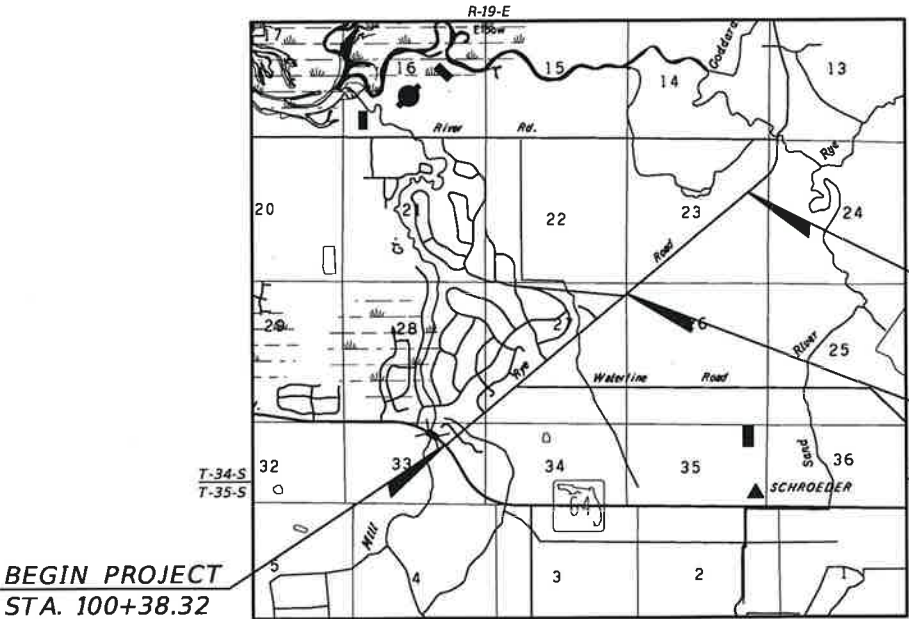
GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, Jan 2018 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

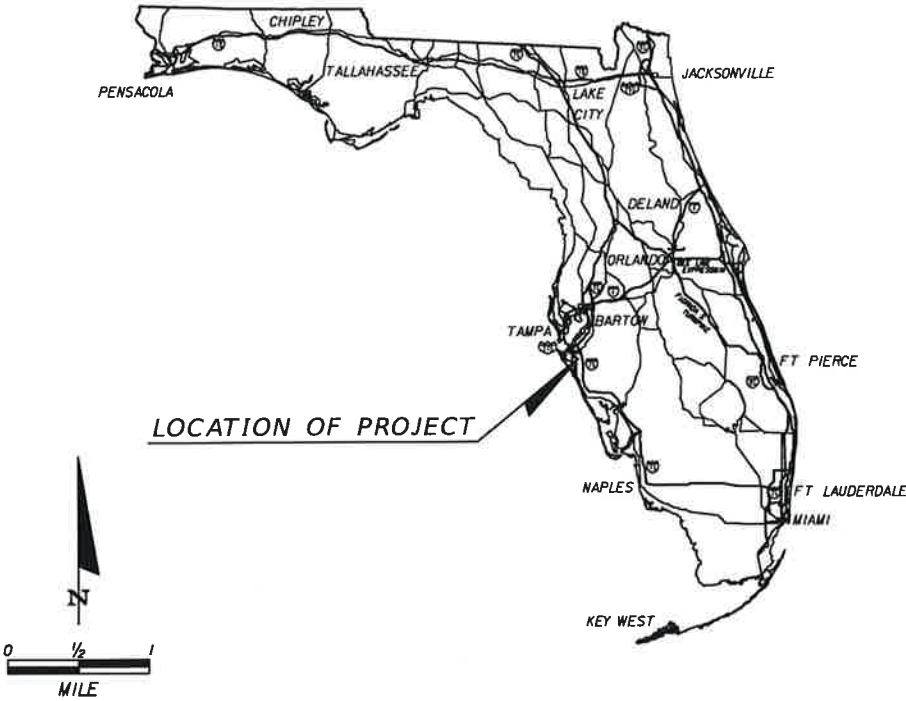
MANATEE COUNTY
(6086160)

RYE ROAD
FROM SR 64 TO UPPER MANATEE RIVER ROAD



END PROJECT
STA. 69+22.65

EQUATION:
STA. 188+00.09 (Bk.) =
STA. 10+00.00 (Ah.)



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
JASON L. STARR, P.E.
HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232

PLANS PREPARED BY:
HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
(941) 342-2700
WWW.HDRINC.COM
FBPR CERTIFICATE OF AUTHORIZATION NO. 4213
VENDOR NO. 47-0680568
CONTRACT NO. C9480

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



ROADWAY PLANS
ENGINEER OF RECORD: JASON L. STARR

P.E. NO.: 70171

PROJECT LENGTH IS BASED ON $\frac{1}{8}$ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14,684.42	2.781
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	14,684.42	2.781
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14,684.42	2.781

KEY SHEET REVISIONS	
DATE	DESCRIPTION

FISCAL YEAR	SHEET NO.
17	1

MANATEE COUNTY PROJECT MANAGER: MICHAEL L. STURM, PE

GENERAL NOTES

1. ALL STATIONS AND OFFSETS REFER TO THE BASELINE OF SURVEY UNLESS OTHERWISE NOTED.
2. GRADES SHOWN ARE FINISHED GRADES.
3. THE CONTRACTOR SHALL FIELD VERIFY ANY AND ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION, AND SHALL NOTIFY THE COUNTY PROMPTLY OF ANY DISCREPANCIES.
4. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
5. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR THE COORDINATION OF UTILITY RELOCATION.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE-CALL OF FLORIDA INC, AT 1-800-432-4770, TWO (2) FULL BUSINESS DAYS PRIOR TO CONSTRUCTION.
6. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE COUNTY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING CONSTRUCTION BY UTILIZING WATER TRUCKS, SILT DRAFT FENCING, SYNTHETIC BALES AND BY COVERING OPEN BODIED TRUCKS TRANSPORTING DEBRIS. THIS WORK SHALL BE PAID UNDER EROSION CONTROL PAY ITEMS.
8. THE COUNTY RESERVES THE RIGHT TO PERFORM QUALITY ASSURANCE TESTING ON ALL MATERIAL DELIVERED TO THE PROJECT AND TO REJECT ALL MATERIALS NOT MEETING ACCEPTABLE STANDARDS.
9. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY, PAYMENT SHALL NOT BE MADE FOR THIS WORK.
10. ALL EXISTING DRAINAGE STRUCTURES, UNDERDRAIN SYSTEMS, DITCHES, AND PONDS, ARE TO REMAIN UNLESS OTHERWISE NOTED.
11. ALL EMBANKMENT MATERIALS SHALL BE CLASSIFICATION A-3, REFER TO FDOT INDEX NO. 505. ALL COSTS SHALL BE INCLUDED IN PAY ITEM 120-6.
12. BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT.
13. ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
14. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
15. ALL AREAS OF EXPOSED EARTH RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE SODDED AS DIRECTED BY THE ENGINEER. SEEDING AND MULCHING SHALL BE APPLIED ONLY WHERE SPECIFICALLY CALLED FOR IN THE PLANS AND SPECIFICATIONS, OR WHERE SPECIFICALLY DIRECTED BY THE COUNTY.

16. THE CONTRACTOR SHALL BACKFILL AREAS TO BE SODDED WITH CLEAN FILL TO MAINTAIN PROPER GRADE OF THE PLANTING AREA, AND THE SOD SHALL BE PROPERLY CUT-IN AND TAMPED. THE COST OF WHICH SHALL BE INCLUDED IN THE PAY ITEM FOR SOD.
17. ALL EXISTING AND PROPOSED UTILITY AND STORM DRAIN SEWER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN ANY SIDEWALK OR PAVED AREA SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE FLUSH WITH THE SIDEWALK OR PAVEMENT SURFACE. ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN UNPAVED AREAS SUBJECT TO VEHICULAR, BICYCLE, OR PEDESTRIAN TRAFFIC SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE NO MORE THAN ONE INCH ABOVE THE FINISHED GRADE. WHERE SODDING IS APPLIED, "FINISHED GRADE" SHALL BE NOMINAL HEIGHT OF GRASS AFTER THE SOD IS FIRMLY PLACED.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE STAKE-OUT OF THE PROJECT, I.E., LINE, GRADE, SLOPE, UTILITY RELOCATIONS OR ANY OTHER STAKE-OUT THAT MAY BE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
19. OVERALL CLEANUP SHALL BE ACCOMPLISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR MOBILIZATION.
20. DRIVEWAY LOCATION AND WIDTH MAY BE FIELD ADJUSTED DURING CONSTRUCTION BY THE CONTRACTOR IN COORDINATION WITH REQUESTS FROM PROPERTY OWNERS.
21. THE COMBINED SCALE FACTOR FROM THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 TO NORTH AMERICAN DATUM OF 1983 IS 1.000438695.
22. TOPOGRAPHIC SURVEY IS A COMBINATION OF SURVEY PROVIDED FROM MANATEE COUNTY AND DATA COLLECTED BY MCKIM & CREED IN FEBRUARY 2014. MANATEE COUNTY SURVEY LIMITS: STA. 10+00.00 TO STA. 54+50.00
23. DEL TIERRA SUBDIVISION PLANS WERE USED TO DEFINE AND SUPPLEMENT THE EXISTING CONDITIONS FROM STA. 17+40 TO STA. 33+20. THE CONTRACTOR SHALL CONSTRUCT SHOULDER WIDENING AS SHOWN IN THESE PLANS. SEE "CONSTRUCTION PLANS TO SERVE DEL TIERRA" PREPARED BY ZNS ENGINEERING (941) 748-8080 FOR MORE INFORMATION REGARDING DEL TIERRA IMPROVEMENTS.
24. TOPOGRAPHIC SURVEY IS SUPPLEMENTED AS-BUILT RECORD DRAWINGS FOR RYE ROAD PATH PLAN FOR EXISTING 12' CONCRETE TRAIL AND ASSOCIATED GRADING. AS-BUILT FIELD DATE 6/8/2017 BY HYATT SURVEY SERVICES, INC.

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. ALL PAVEMENT MARKINGS WITHIN THE MANATEE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
2. ALL FLORIDA ROUTE MARKERS MUST CONFORM TO FDOT DESIGN STANDARDS INDEX NO. 17355.
3. PAVEMENT MARKINGS SHALL BE PLACED AS SHOWN IN THE PLANS AND THE APPROPRIATE FDOT DESIGN STANDARDS INDEX.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LENGTH OF COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
5. REFER TO FDOT DESIGN STANDARDS INDEX NO. 17352 FOR RETRO-REFLECTIVE PAVEMENT MARKER PLACEMENT DETAILS.
6. CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
7. THE SIGN LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.

8. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION OR RELOCATED SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION. COST OF THIS WORK SHALL BE REFLECTED IN THE PAY ITEM NO. 102-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
9. CONTRACTOR SHALL USE W-SHAPE STEEL POSTS FOR MUTLI-POST SIGNS. ALL COLUMNS (POSTS) FOR SINGLE COLUMN SIGNS SHALL BE ALUMINUM ROUND TUBE, UNLESS OTHERWISE INDICATED IN THE PLANS.
10. ANY EXISTING MULTI-POST AND OVERHEAD SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
11. ALL SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CLEARING AND GRUBBING SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. PAYMENT SHALL BE REFLECTED IN THE PAY ITEM NO. 110-1-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
12. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO SIGN FOUNDATIONS AS DETERMINED BY THE CONTRACTOR, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE MULTI POST FOUNDATIONS.
13. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL CROSSWALKS ACROSS MAJOR STREETS SHALL BE TEN FEET (10') IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
14. FLEXIBLE DELINEATOR POSTS SHALL BE INSTALLED AT ALL MEDIAN NOSES AS SHOWN IN INDEX NO. 17346.
15. ALL TURN LANE MARKINGS SHALL BE PLACED AS SHOWN IN INDEX NO. 17346, SHEET NO. 11.
16. LETTER HEIGHTS AND SERIES FOR STREET NAME SIGNS, PREFIXES (WHEN USED), SUFFIXES, AND BLOCK NUMBERS (WHEN USED) SHALL BE AS FOLLOWS:
- A. THE STREET NAME SHALL BE 7 INCH, B SERIES, UPPER/LOWER CASE, STANDARD. A MINIMUM SIZE TO 5 INCH, B SERIES MAY BE USED TO ACCOMMODATE UNUSUALLY LONG OR CUMBERSOME NAMES.
- B. PREFIXES AND SUFFIXES SHALL BE 7 INCH, B SERIES, UPPER/LOWER CASE, STANDARD. MINIMUM SIZES TO 2 INCH, SERIES B, UPPER CASE MAY BE ALLOWED AS NOTED ABOVE.
- C. BLOCK NUMBERS SHALL BE 2 INCH, SERIES B, UNLESS OTHERWISE SPECIFIED.



UTILITY CONTACTS

TECO / PEOPLES GAS	DANNY SHANAHAN	(941) 342-4006
FLORIDA POWER AND LIGHT DISTRIBUTION	GREG COKER	(941) 723-4430
MANATEE COUNTY UTILITIES	KATHY MCMAHON	(941) 729-8811
FRONTIER COMMUNICATIONS	DENISE HUTTON	(941) 906-6722
MANATEE COUNTY IT	BILL KERSEY	(941) 748-4501 x5803
SPECTRUM	JIM CRUZAN	(727) 329-2846

				SCALE AS NOTED	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 CERTIFICATE OF AUTHORIZATION 4213	DATE 09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR	GENERAL NOTES	SHEET NO.
				DESIGNED BY JLS				FL. LICENSE NO.		
				DRAWN BY JHC		PROJECT NO. 6086160		70171		
No.	REVISIONS	DATE	BY	CHECKED BY JLS						2

SR SURVEY SR 64
PI STA. = 533+95.31
DELTA = 60° 06' 23" (RT)
D = 2° 00' 00"
T = 1,657.54
L = 3,005.32
R = 2,864.79
PC STA. = 517+37.77
PT STA. = 547+43.09

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 100+38.32

SR 64

PT STA. 547+43.09

RYE ROAD

18TH PLACE EAST

WOODVIEW WAY

15TH DRIVE EAST

WATERLINE SERVICE ROAD



MATCHLINE STA. 137+80.00

MATCHLINE STA. 137+80.00

147TH STREET EAST

RYE ROAD

3RD DRIVE EAST

GENE WITT
ELEMENTARY
SCHOOL

POT1 STA. 10+00.00

EQUATION:
Sta 188+00.09 BK =
Sta 10+00.00 AH



MATCHLINE STA. 32+60.00

MATCHLINE STA. 32+60.00

RYE ROAD

END PROJECT
END CONSTRUCTION
STA. 69+22.65



SR SURVEY RYE ROAD

167TH BOULEVARD
NORTHEAST

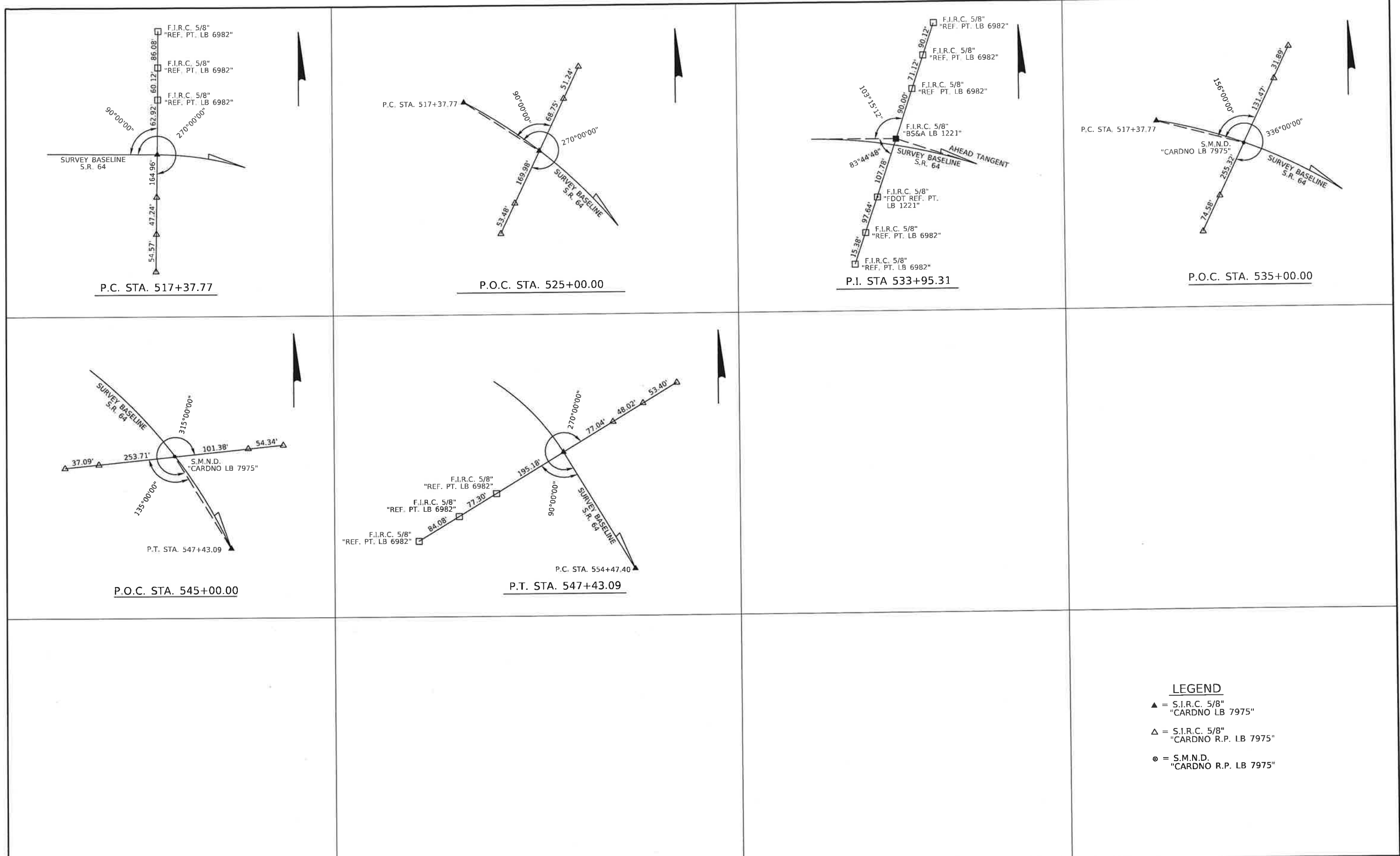
169TH COURT
NORTHEAST

POT STA. 71+19.78



CURVE AND COORDINATE DATA			
ALIGNMENT	POT		
	STATION	NORTH	EAST
SR SURVEY RYE ROAD	100+00.00	1,144,594.9010	524,728.1900
	10+00.00	1,150,228.4913	531,488.6814
	71+19.78	1,154,146.2190	536,190.0820

No.	REVISIONS	DATE	BY	SCALE	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 CERTIFICATE OF AUTHORIZATION 4213	DATE 09/2017	PROJECT NO. 6086160	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR FL. LICENSE NO. 70171	PROJECT LAYOUT	SHEET NO. 3
				AS NOTED							
				DESIGNED BY JLS							
				DRAWN BY JHC							

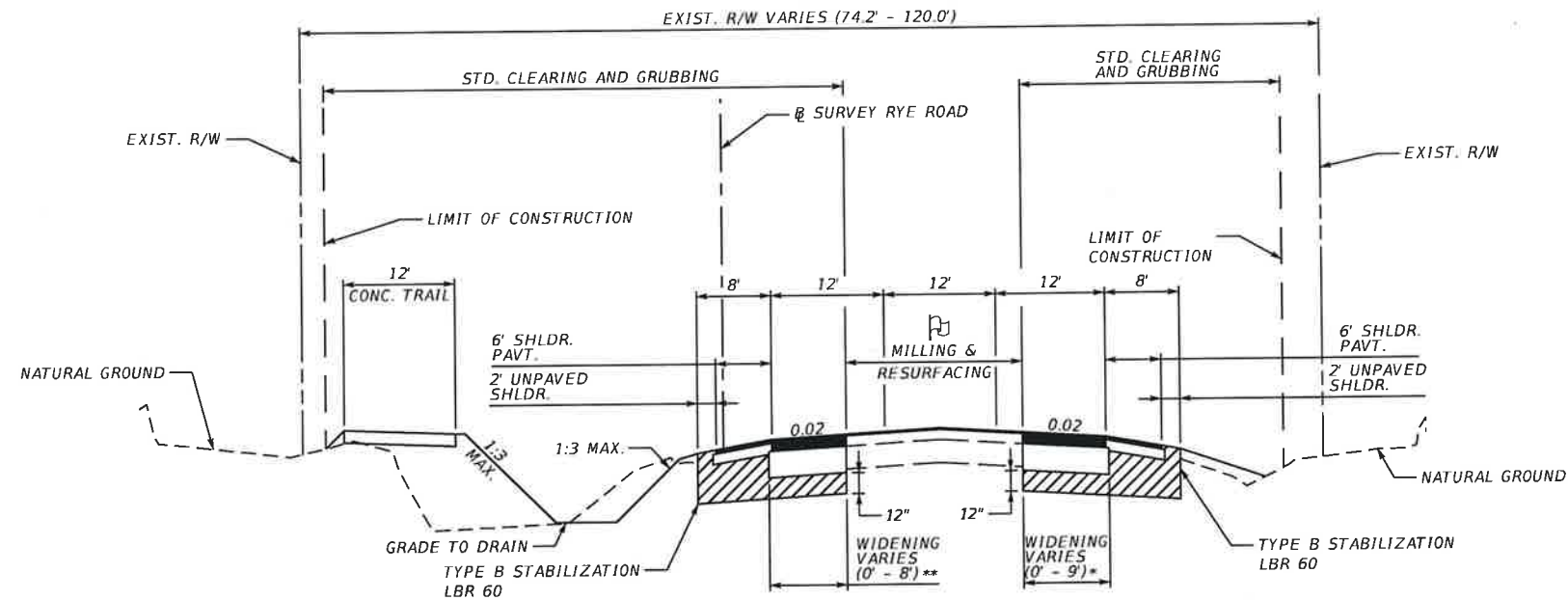


LEGEND

- ▲ = S.I.R.C. 5/8" "CARDNO LB 7975"
- △ = S.I.R.C. 5/8" "CARDNO R.P. LB 7975"
- ⊙ = S.M.N.D. "CARDNO R.P. LB 7975"

				SCALE AS NOTED		 MCKIM & CREED 378 Interstate Court Sarasota, FL 34240 Phone: (941) 379-3404 Fax: (941) 379-3530 Licensed Business No. 6566 www.mckimcreed.com	DATE 09/2017		 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER		REFERENCE POINTS	SHEET NO.	
				DESIGNED BY JLS			PROJECT NO. 6086160			FL. LICENSE NO.			4	
				DRAWN BY JHC										
				CHECKED BY JLS										
No.		REVISIONS		DATE BY		DWG: \\0070027\CON\0086775\000000000225338\13.00 CAD\12345615201\roadway\CTLSRD01.dgn								

Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 1 Elevation Feet: 24.641 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1144652 E (X) = 524227 Base Line Station and Offset: STATION: 100136 OFFSET: 44.6 LEFT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 1" Distance and Direction from Nearest Intersection: 1001 FOOI NORTH OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM R-10 Elevation Feet: 25.697 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MANATEE COUNTY Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1145121 E (X) = 525531 Base Line Station and Offset: STATION: 108177 OFFSET: 46.7 RIGHT Description of Monument: END MANATEE COUNTY BRASS DISK IN WINGED END WALL STAMPED "R-10 LLY" = 25.67 Distance and Direction from Nearest Intersection: 0.1 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 2 Elevation Feet: 24.626 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1145181 E (X) = 525544 Base Line Station and Offset: STATION: 110107 OFFSET: 77.0 RIGHT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 2" Distance and Direction from Nearest Intersection: 0.2 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 3 Elevation Feet: 24.285 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1145824 E (X) = 526302 Base Line Station and Offset: STATION: 119196 OFFSET: 63.3 RIGHT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 3" Distance and Direction from Nearest Intersection: 0.4 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 4 Elevation Feet: 21.487 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1146438 E (X) = 527068 Base Line Station and Offset: STATION: 129190 OFFSET: 66.6 RIGHT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 4" Distance and Direction from Nearest Intersection: 0.5 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 5 Elevation Feet: 23.418 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1147111 E (X) = 527851 Base Line Station and Offset: STATION: 140110 OFFSET: 66.7 RIGHT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 5" Distance and Direction from Nearest Intersection: 0.7 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch
Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 6 Elevation Feet: 22.168 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1147824 E (X) = 528552 Base Line Station and Offset: STATION: 150405 OFFSET: 37.8 LEFT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 6" Distance and Direction from Nearest Intersection: 0.9 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 7 Elevation Feet: 22.917 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1148462 E (X) = 529317 Base Line Station and Offset: STATION: 160401 OFFSET: 33.7 LEFT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 7" Distance and Direction from Nearest Intersection: 1.1 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 8 Elevation Feet: 24.657 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1149096 E (X) = 530085 Base Line Station and Offset: STATION: 169197 OFFSET: 28.6 LEFT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 8" Distance and Direction from Nearest Intersection: 1.3 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM 9 Elevation Feet: 24.647 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MCKIM & CREED Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1149733 E (X) = 530858 Base Line Station and Offset: STATION: 179198 OFFSET: 23.1 LEFT Description of Monument: SET STANDARD 4"x4" CONCRETE MONUMENT WITH MCKIM & CREED ALUMINUM DISK STAMPED "BM 9" Distance and Direction from Nearest Intersection: 1.5 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: BM R-5 Elevation Feet: 24.917 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: MANATEE COUNTY Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1150634 E (X) = 532045 Base Line Station and Offset: STATION: 18487 OFFSET: 44.5 RIGHT Description of Monument: END MANATEE COUNTY BRASS DISK IN WINGED END WALL STAMPED "R-5 24.90" Distance and Direction from Nearest Intersection: 1.8 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch	Vertical Control Data Sheet DATUM NGVD 1929 ☒ NAVD 1988 ☐ Monument Name or Designation: TBM 6176 Elevation Feet: 24.520 State Road No.: N/A County: MANATEE Section: 33 Township: 34 S Range: 19 E Roadway Section I.D.: N/A Establishing Firm: UNKNOWN Field Book No.: N/A Established: 1/24/2014 Recovered: Financial Project ID: N/A State Plane Coordinates: (Nearest Foot) N (Y) = 1151857 E (X) = 533532 Base Line Station and Offset: STATION: 36112 OFFSET: 57.1 RIGHT Description of Monument: END MAN HAIL IN NORTH WEST FACE OF POWER POLE Distance and Direction from Nearest Intersection: 2.2 MILES EAST OF THE INTERSECTION OF SR 64 AND RYE ROAD Field Location Sketch



TYPICAL SECTION NO. 2 RYE ROAD

STA. 134+70.00 TO STA. 152+98.27
STA. 167+95.00 TO STA. 30+87.65
STA. 49+71.30 TO STA. 69+22.65

12' CONC. TRAIL

STA. 143+86.06 TO STA. 148+49.13
STA. 180+75.03 TO STA. 183+05.22
STA. 14+04.78 TO STA. 15+29.03
STA. 23+71.95 TO STA. 30+87.65
STA. 49+71.30 TO STA. 52+70.98

** LT. WIDENING

STA. 134+70.00 TO STA. 146+74.55
STA. 167+95.00 TO STA. 169+98.86
STA. 176+71.15 TO STA. 183+62.35
STA. 10+78.56 TO STA. 15+60.77
STA. 49+71.30 TO STA. 52+48.38
STA. 58+89.50 TO STA. 68+59.37

* RT. WIDENING

STA. 134+70.00 TO STA. 147+00.00
STA. 149+44.25 TO STA. 152+98.27
STA. 167+95.00 TO STA. 171+87.87
STA. 173+63.44 TO STA. 182+50.08
STA. 10+78.56 TO STA. 17+33.37
STA. 49+71.30 TO STA. 52+48.34
STA. 58+89.50 TO STA. 63+09.50

MILLING

MILL EXISTING ASPHALT
PAVEMENT FOR DEPTH (1 1/2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2"),

FRICTION COURSE

FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)

WIDENING

OPTIONAL BASE GROUP 9 WITH
3" STRUCTURAL COURSE TYPE SP 12.5 (TRAFFIC C)
AND 1 1/2" FRICTION COURSE FC-12.5

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (1 1/2") (RUBBER)



NOTE:
MANATEE COUNTY RESURFACED STRUCTURAL COURSE
ALONG THE PROJECT CORRIDOR, PREVIOUSLY RESURFACED
PAVEMENT WILL ONLY RECEIVE FRICTION COURSE, WHILE
THE REMAINDER OF THE PROJECT WILL BE MILLED AND
RESURFACED PRIOR TO FRICTION COURSE APPLICATION.

MILLING & RESURFACING LIMITS:

STA. 138+91.65 TO STA. 152+98.29
STA. 68+59.43 TO STA. 69+22.65

FRICTION COURSE ONLY LIMITS:

STA. 134+70.00 TO STA. 138+91.65
STA. 167+95.15 TO STA. 30+87.65
STA. 49+71.30 TO STA. 68+59.43

No.	REVISIONS	DATE	BY	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	DESIGN ENGINEER	JASON L. STARR	SHEET NO.	8
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400						
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232						
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213						
									FL. LICENSE NO.	70171		

12:58:59 PM

3/13/2018

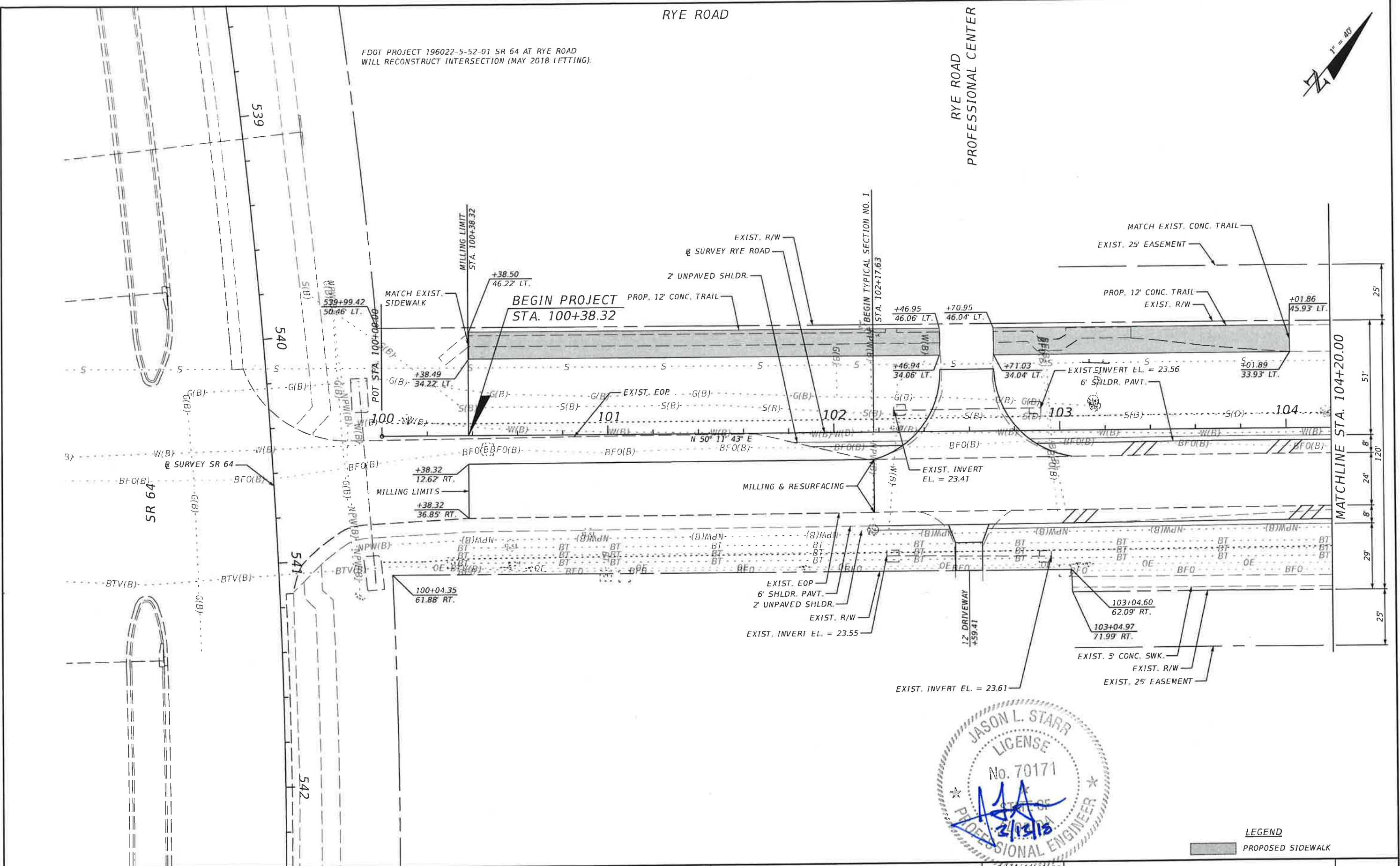
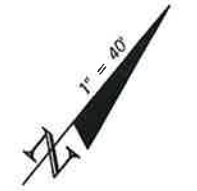
PW:\007982\CON0086775\000000000225338\13.00_CAD\12345615201\roadway\TYP5RD02.DGN

TYPICAL SECTION (2)

RYE ROAD

RYE ROAD
PROFESSIONAL CENTER

FDOT PROJECT 196022-5-52-01 SR 64 AT RYE ROAD
WILL RECONSTRUCT INTERSECTION (MAY 2018 LETTING).



LEGEND
[Symbol] PROPOSED SIDEWALK

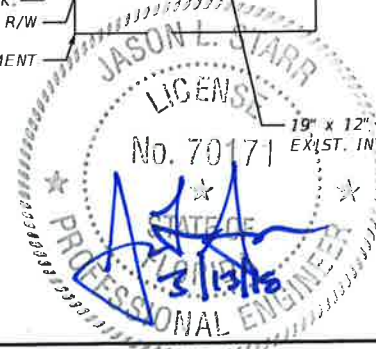
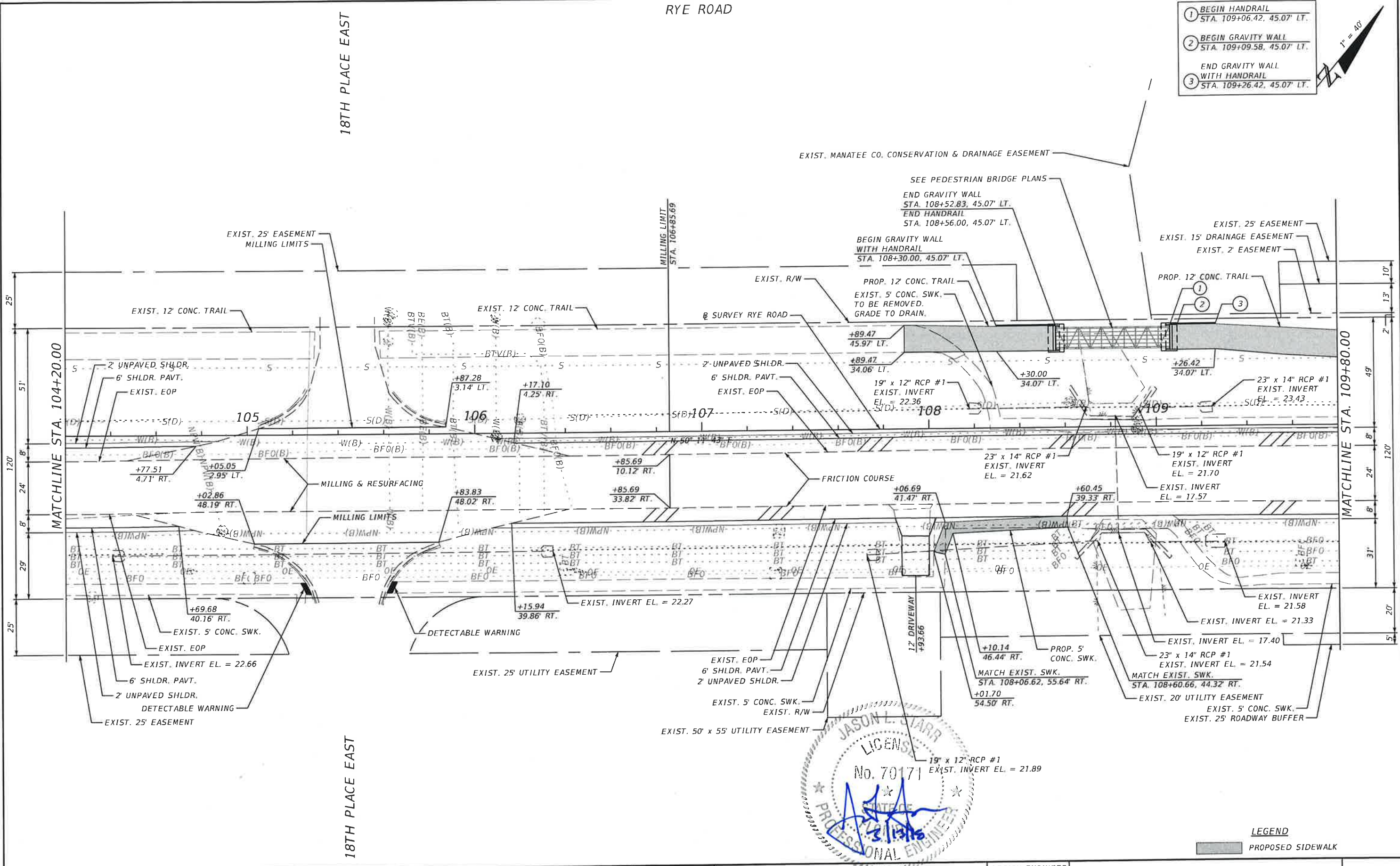
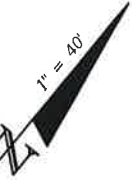
				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (D)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171		
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	12:59:12 PM 3/13/2018 PW:\007982\C0N0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD01.DGN							

RYE ROAD

18TH PLACE EAST

18TH PLACE EAST

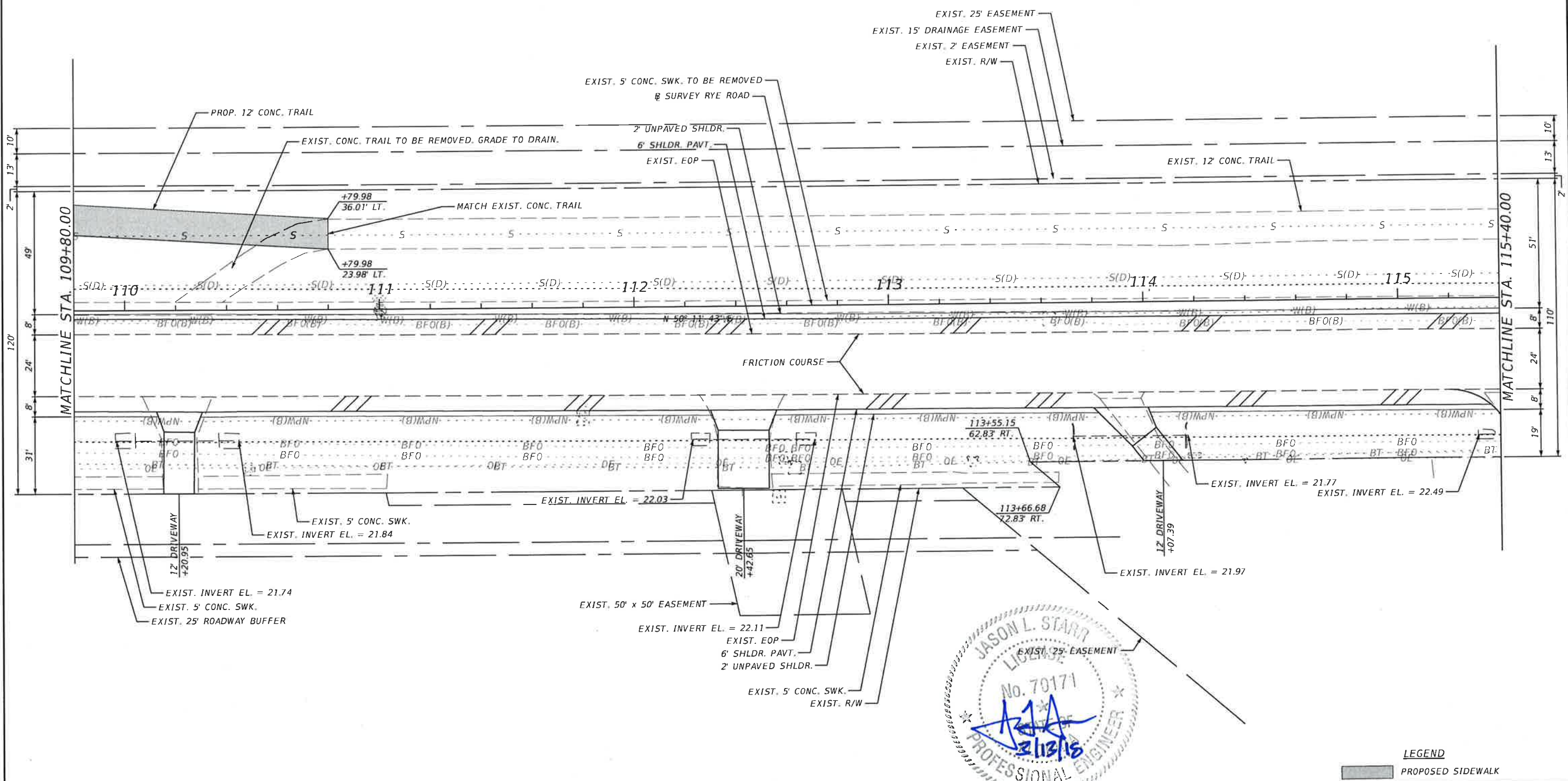
- 1 BEGIN HANDRAIL
STA. 109+06.42, 45.07' LT.
- 2 BEGIN GRAVITY WALL
STA. 109+09.58, 45.07' LT.
- END GRAVITY WALL
WITH HANDRAIL
STA. 109+26.42, 45.07' LT.



LEGEND
PROPOSED SIDEWALK

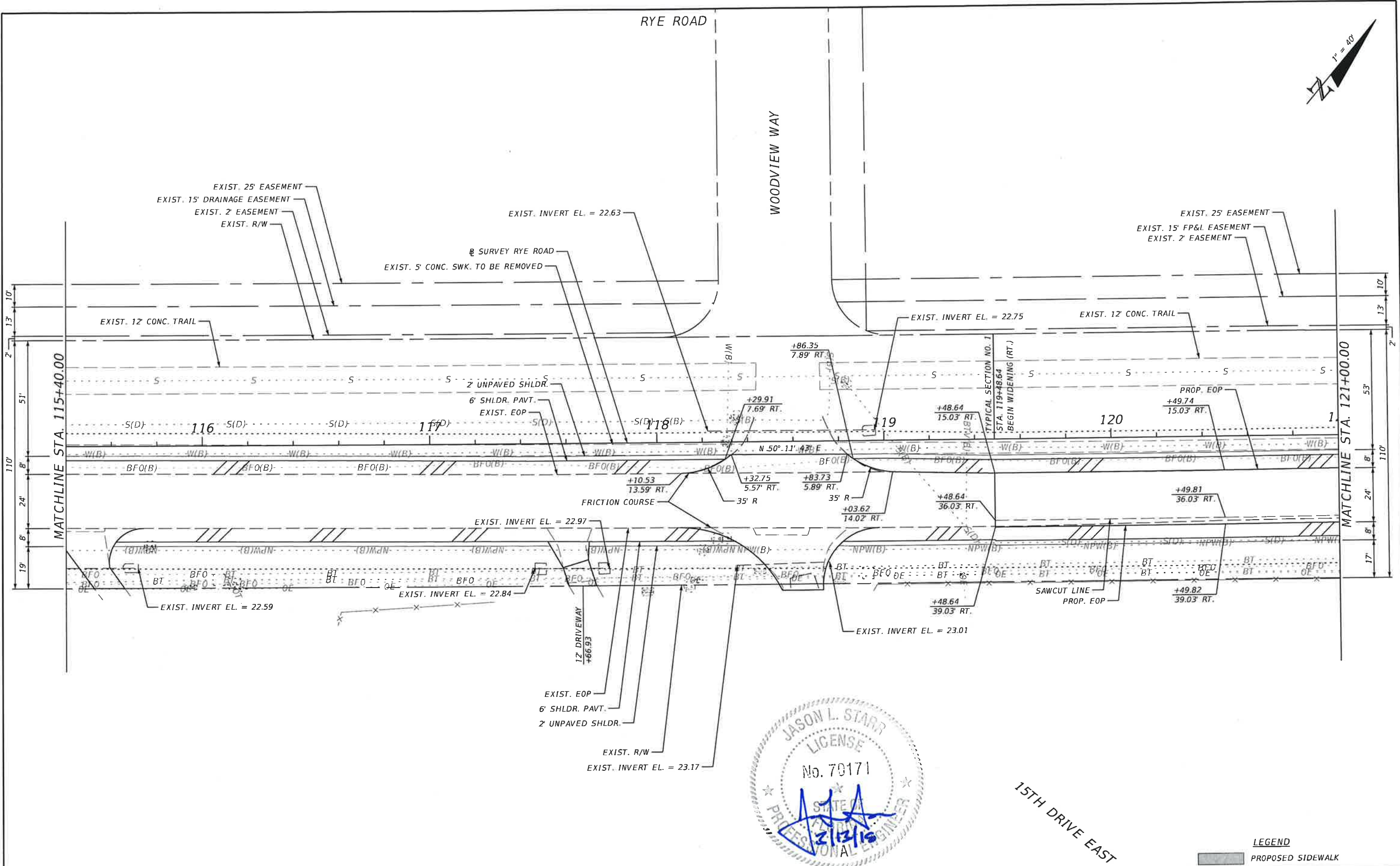
No.				REVISIONS		DATE	BY	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (2)	SHEET NO.
								DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400				FL. LICENSE NO.	70171		
								DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
								CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213		6086160					10

RYE ROAD

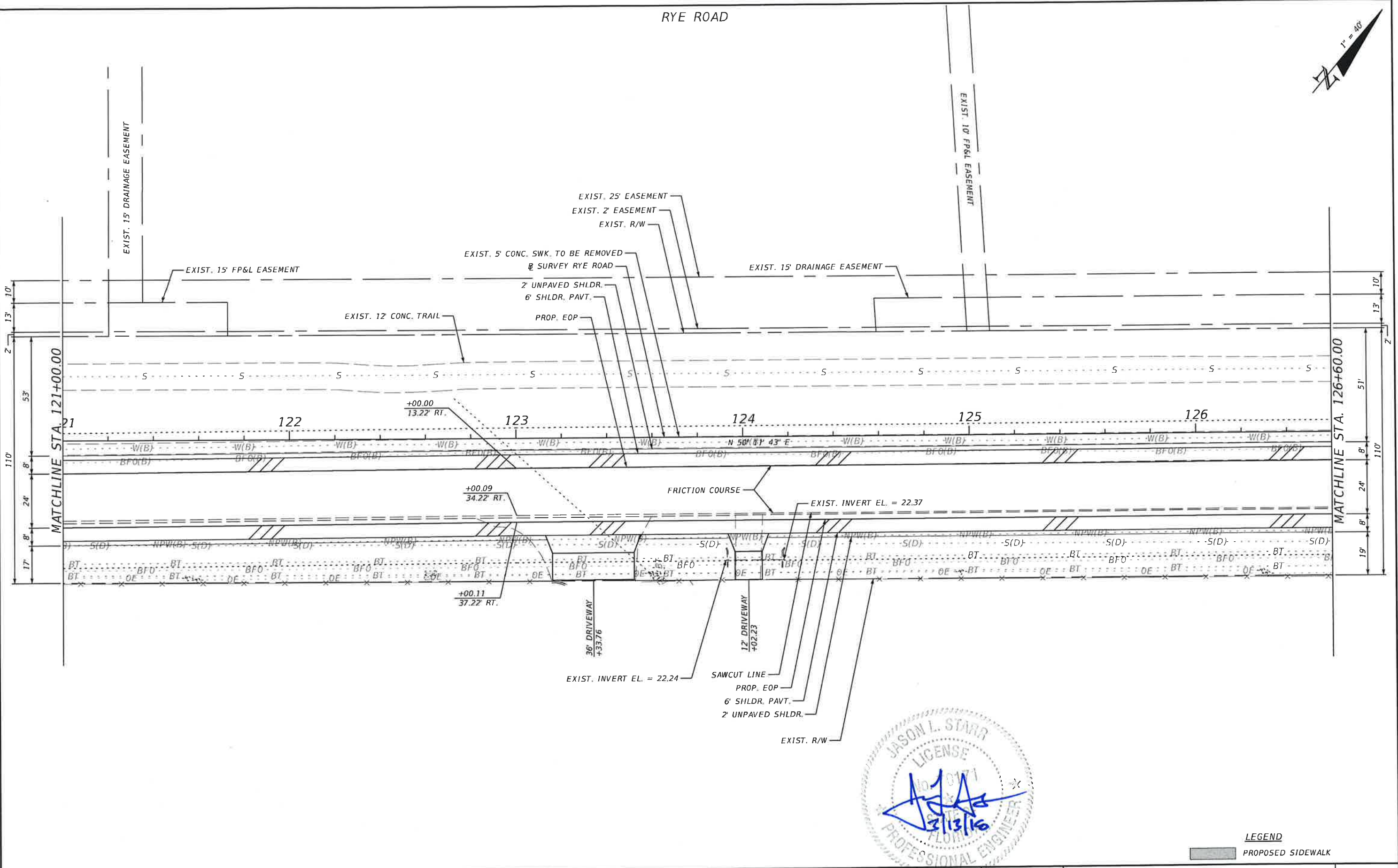


LEGEND
[Shaded Box] PROPOSED SIDEWALK

No.				REVISIONS		DATE	BY	SCALE		DESIGNED BY		DRAWN BY		CHECKED BY		DATE		PROJECT NO.		DESIGN ENGINEER		FL. LICENSE NO.		SHEET NO.	
								AS NOTED		JLS		JHC		JLS		09/2017		6086160		JASON L. STARR		70171		11	
								HDR ENGINEERING, INC.		2601 CATTLEMEN ROAD, SUITE 400		SARASOTA, FLORIDA 34232		CERTIFICATE OF AUTHORIZATION 4213						MANATEE COUNTY PUBLIC WORKS				ROADWAY PLAN (3)	



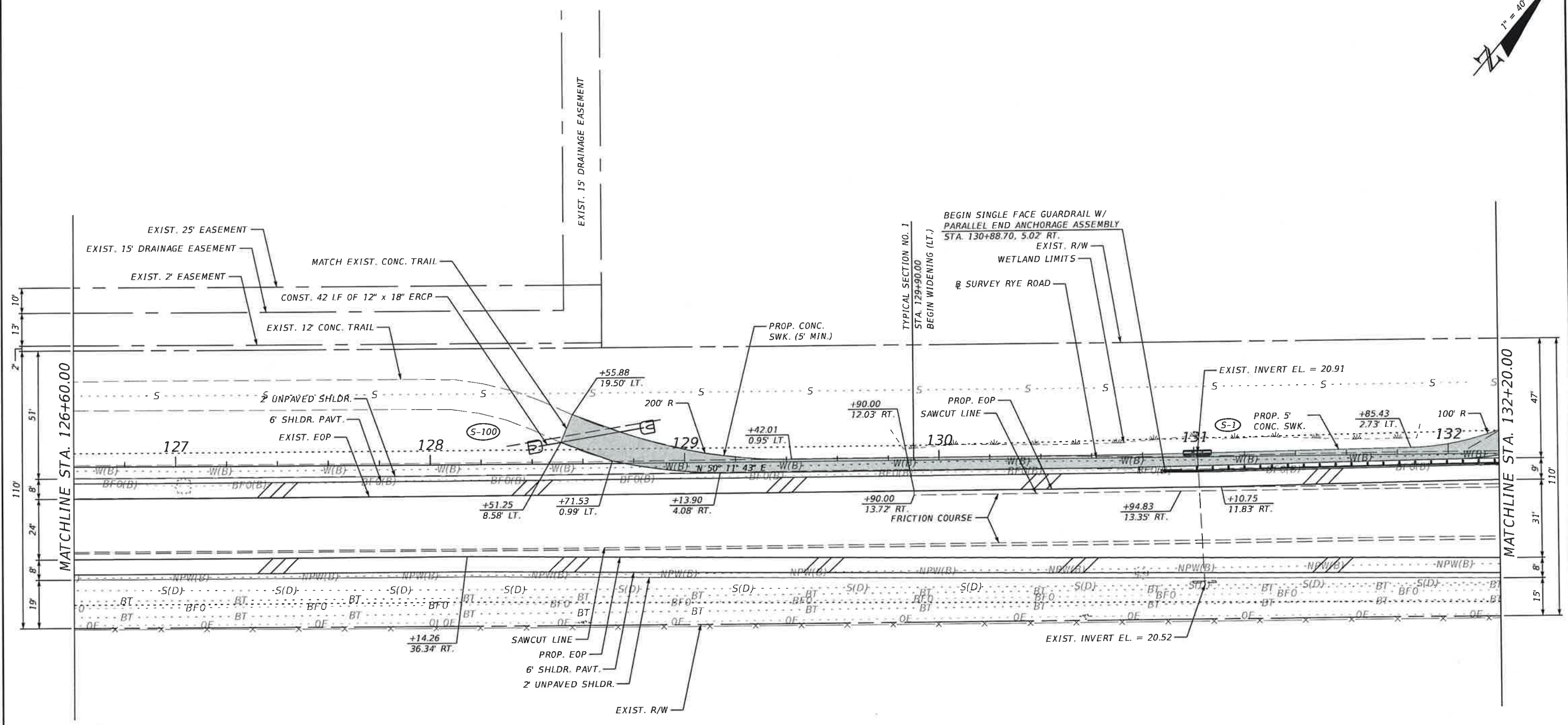
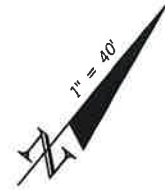
No.	REVISIONS	DATE	BY	SCALE	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 CERTIFICATE OF AUTHORIZATION 4213	DATE	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (4)	SHEET NO. 12
				AS NOTED		09/2017		JASON L. STARR		
				DESIGNED BY				FL. LICENSE NO.		
				JLS				70171		
				DRAWN BY						
				JHC						
				CHECKED BY						
				JLS						



LEGEND
 PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER		ROADWAY PLAN (5)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		JASON L. STARR			
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.		FL. LICENSE NO.			
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213	6086160		70171			13
No.	REVISIONS			DATE	BY	1:00:02 PM 3/13/2018 PW\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD05.DGN						

RYE ROAD



- (S-1)
STA. 131+01.44, 1.54' LT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 20.9
- (S-100)
STA. 128+41.61, 6.99' LT.
STA. 128+84.97, 14.14' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 22.2 (BK.)
FL. 21.8 (AH.)



LEGEND
PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (6)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		FL. LICENSE NO.	70171		14
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.					
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213	6086160					
No.	REVISIONS			DATE	BY	1:00:15 PM 3/13/2018 PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD06.DGN						



				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (7)	SHEET NO.	
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171			15
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232								
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213								
No.	REVISIONS		DATE	BY	PLOT SCALE: 1"=40' DATE: 09/2017 DWG: D070872\CON\086775\00000000022533B\13.00_CAD\12345615201\roadway\PLANRD07.DGN									

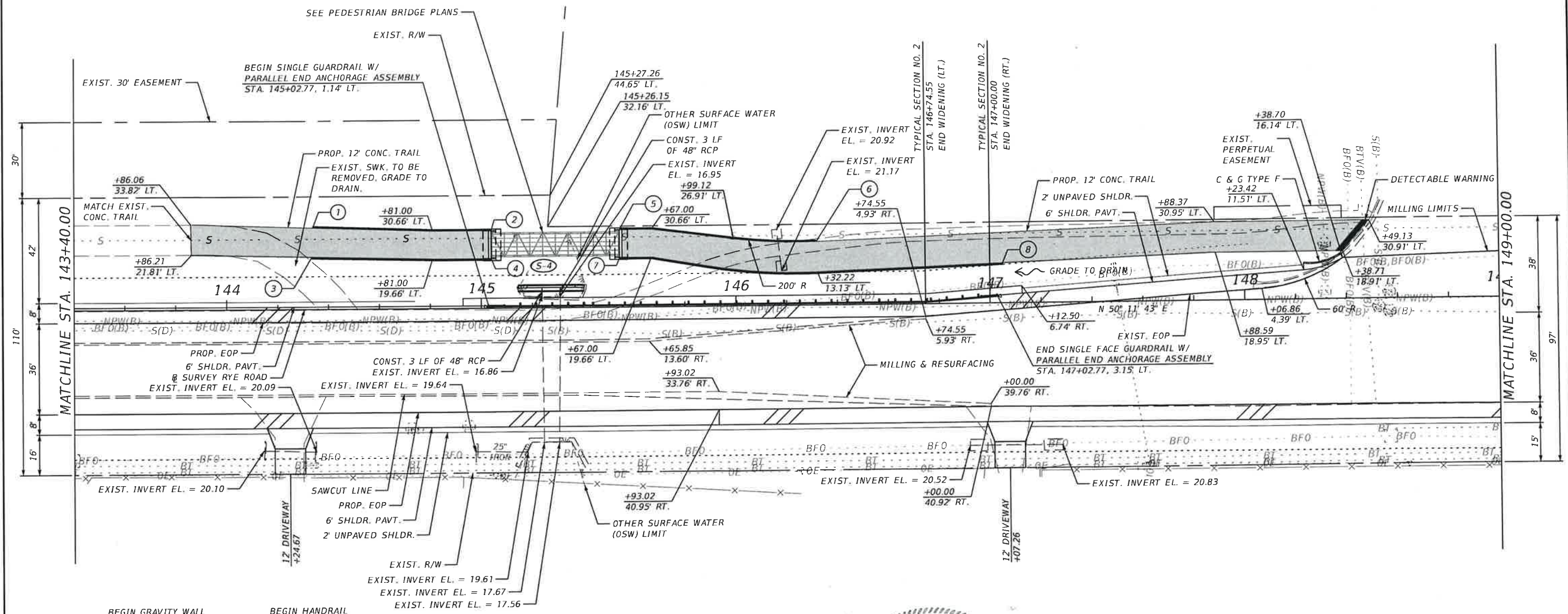
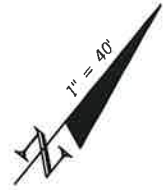


PROPOSED SIDEWALK

				SCALE	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (8)	SHEET NO.
				AS NOTED	2601 CATTLEMEN ROAD, SUITE 400	09/2017		JASON L. STARR		16
				DESIGNED BY JLS	SARASOTA, FLORIDA 34232	PROJECT NO. 6086160		FL. LICENSE NO.		
				DRAWN BY JHC	CERTIFICATE OF AUTHORIZATION 4213			70171		
No.	REVISIONS	DATE	BY	CHECKED BY JLS						

RYE ROAD

147TH STREET EAST



- | | |
|--|--|
| 1 BEGIN GRAVITY WALL WITH HANDRAIL
STA. 144+33.88, 32.23' LT. | 5 BEGIN HANDRAIL
STA. 145+54.42, 30.66' LT.
BEGIN GRAVITY WALL
STA. 145+57.58, 30.66' LT. |
| 2 END GRAVITY WALL
STA. 145+00.83, 30.66' LT.
END HANDRAIL
STA. 145+04.00, 30.66' LT. | 6 END GRAVITY WALL WITH HANDRAIL
STA. 146+31.77, 25.12' LT. |
| 3 BEGIN GRAVITY WALL WITH HANDRAIL
STA. 144+33.50, 20.74' LT. | 7 BEGIN HANDRAIL
STA. 145+54.42, 19.66' LT.
BEGIN GRAVITY WALL
STA. 145+57.58, 19.66' LT. |
| 4 END GRAVITY WALL
STA. 145+00.83, 19.66' LT.
END HANDRAIL
STA. 145+04.00, 19.66' LT. | 8 END GRAVITY WALL WITH HANDRAIL
STA. 147+04.98, 15.84' LT. |



LEGEND
PROPOSED SIDEWALK

5-4
STA. 145+27.40, 8.03' LT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 16.9

				SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR	ROADWAY PLAN (9)	SHEET NO. 17
				DESIGNED BY JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6086160		FL. LICENSE NO. 70171		
				DRAWN BY JHC	SARASOTA, FLORIDA 34232					
				CHECKED BY JLS	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS			DATE	BY	1:00:54 PM 3/13/2018 PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD09.DGN				

[illegible]

PROPOSED SIDEWALK

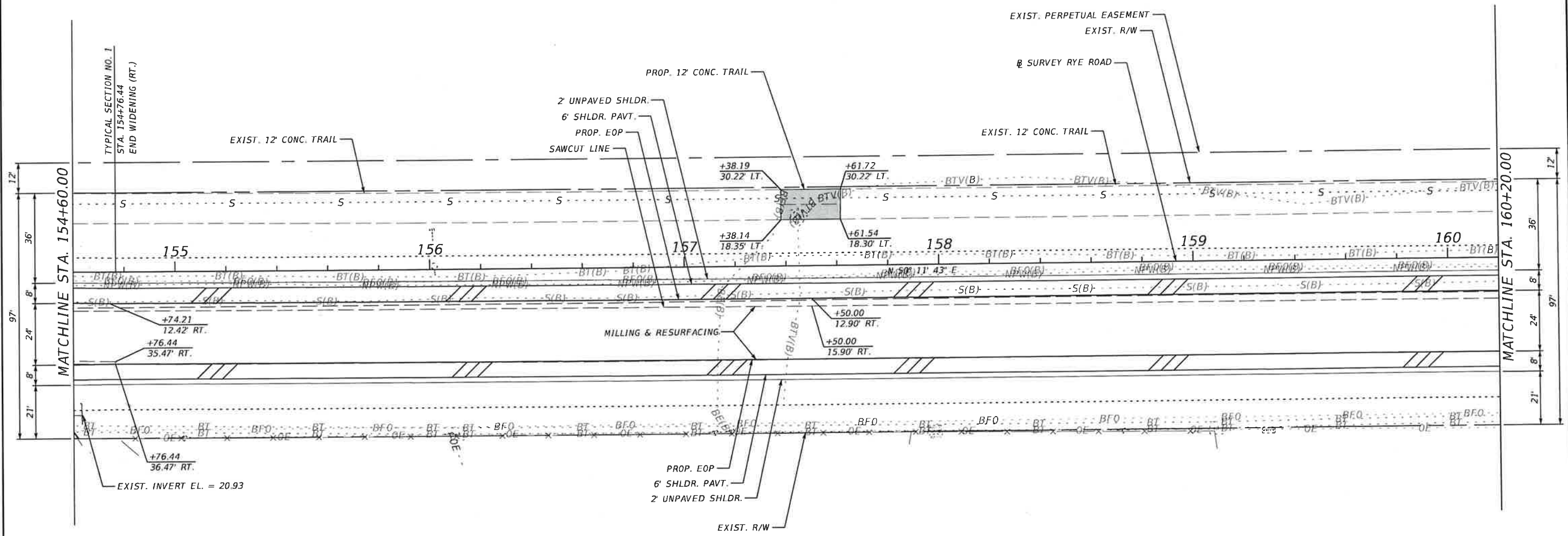
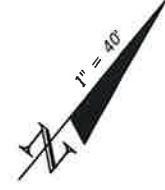
				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (10)	SHEET NO. 18
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171		
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	DWG\0070R2\CON\0086775\0000000000225338\13.00 CAD\12345615201\roadway\PLANRD10.DGN							

PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD10.DGN



**MANATEE COUNTY
PUBLIC WORKS**

RYE ROAD



LEGEND
[Symbol] PROPOSED SIDEWALK

				SCALE		AS NOTED		HDR ENGINEERING, INC.		DATE		 MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER		ROADWAY PLAN (II)		SHEET NO. 19	
						DESIGNED BY		2601 CATTLEMEN ROAD, SUITE 400		09/2017				JASON L. STARR					
						DRAWN BY		SARASOTA, FLORIDA 34232		PROJECT NO.				FL. LICENSE NO.					
						CHECKED BY		CERTIFICATE OF AUTHORIZATION 4213		6086160				70171					
No.		REVISIONS				DATE		BY											

1:01:18 PM

3/13/2018

PW:\007982\C0N0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD11.DGN

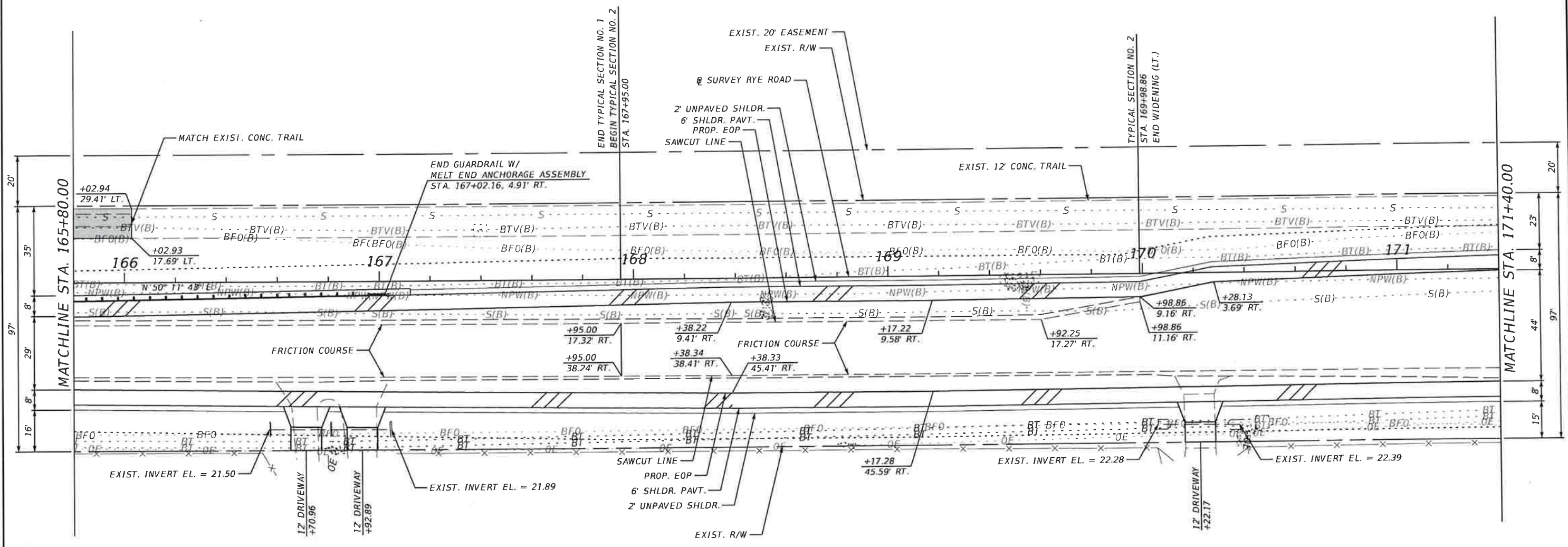
1" = 40'



70171

STA. 165+18.09, 19.50' LT.
STA. 165+51.83, 7.09' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 21.8 (BK.)
FL. 22.0 (AH.)

PW:\007982\CON0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD12.DGN

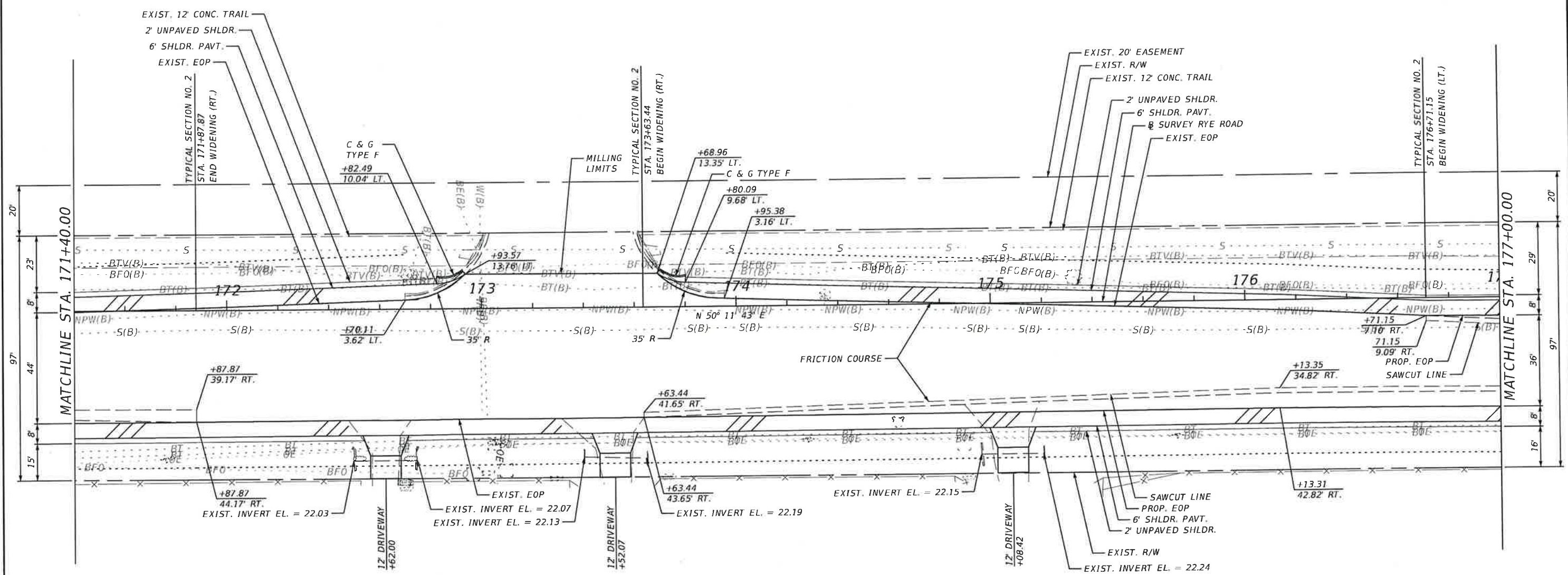


LEGEND
PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (13)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171		21
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	1:01:44 PM 3/13/2018 PW:\007982\C0N0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD13.DGN							

RYE ROAD

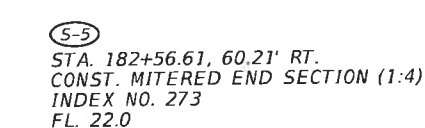
3RD DRIVE EAST



LEGEND
PROPOSED SIDEWALK

				SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 09/2017		 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR		ROADWAY PLAN (14)	SHEET NO. 22
				DESIGNED BY JLS		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6086160	FL. LICENSE NO. 70171					
				DRAWN BY JHC		SARASOTA, FLORIDA 34232								
				CHECKED BY JLS		CERTIFICATE OF AUTHORIZATION 4213								
No.		REVISIONS		DATE		BY		1:01:56 PM 3/13/2018 PW:\007982\C0N0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD14.DGN						

A diagram showing a line with a break symbol (two parallel slanted lines) and an angle of $1'' = 40'$ indicated.



Manatee
County
FLORIDA

**MANATEE COUNTY
PUBLIC WORKS**

ROADWAY PLAN (15)

SHEET
NO. 23

				SCALE	AS NOTED
				DESIGNED BY	JLS
				DRAWN BY	JHC
				CHECKED BY	JLS
No.	REVISIONS		DATE	BY	

HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
CERTIFICATE OF AUTHORIZATION 4213

DATE
09/2017

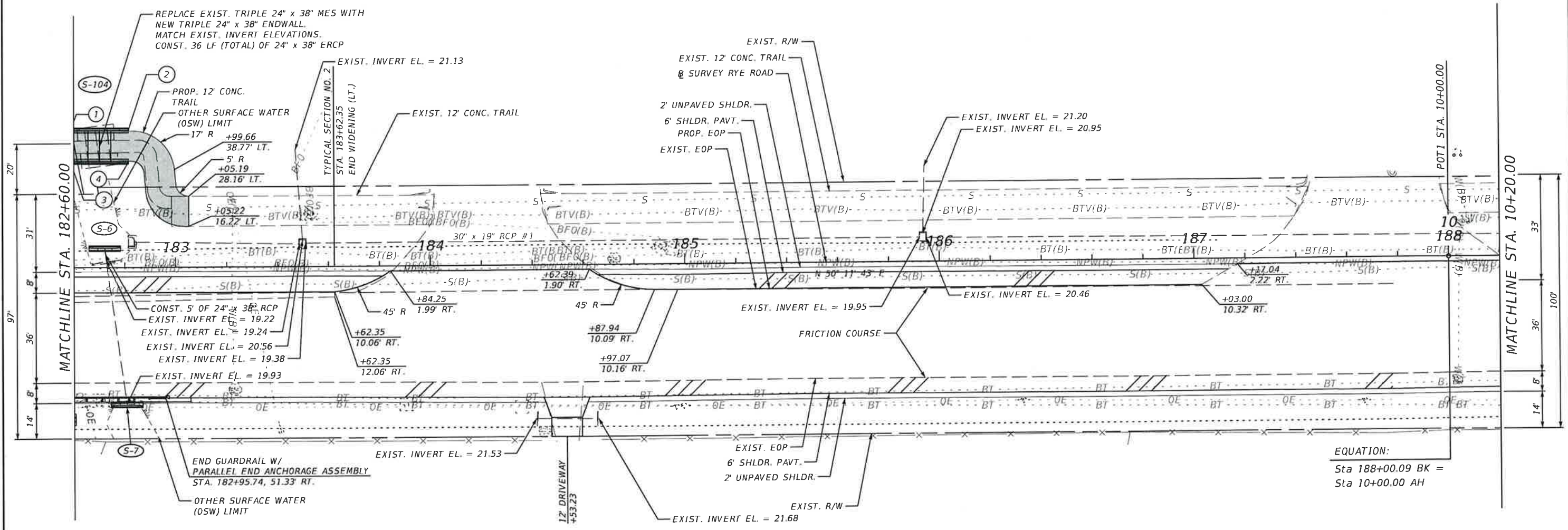
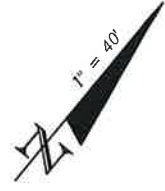
PROJECT NO.
6086160

1:02:08 PM

3/13/2018

PW\007982\C0N0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD15.DGN

GENE WITT
ELEMENTARY
SCHOOL



EQUATION:
Sta 188+00.09 BK =
Sta 10+00.00 AH

(S-6)
STA. 182+72.14, 7.68' LT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 19.2

(S-7)
STA. 182+80.70, 54.52' RT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 19.9

(S-104)
STA. 182+70.15, 54.21' LT.
STA. 182+70.14, 42.21' LT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 19.3 (LT.)
FL. 19.7 (RT.)

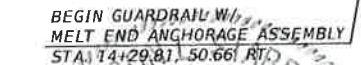
- (1) BEGIN HANDRAIL
STA. 182+58.73, 54.55' LT.
- (2) END HANDRAIL
STA. 182+81.53, 54.53' LT.
- (3) BEGIN HANDRAIL
STA. 182+58.72, 41.88' LT.
- (4) END HANDRAIL
STA. 182+81.55, 41.87' LT.



LEGEND
[Symbol] PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (16)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171		24
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	1:02:20 PM 3/13/2018 PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD16.DGN							

BEGIN GUARDRAIL W/
MELT END ANCHORAGE ASSEMBLY
STA. 15+54.88, 11.09' RT.

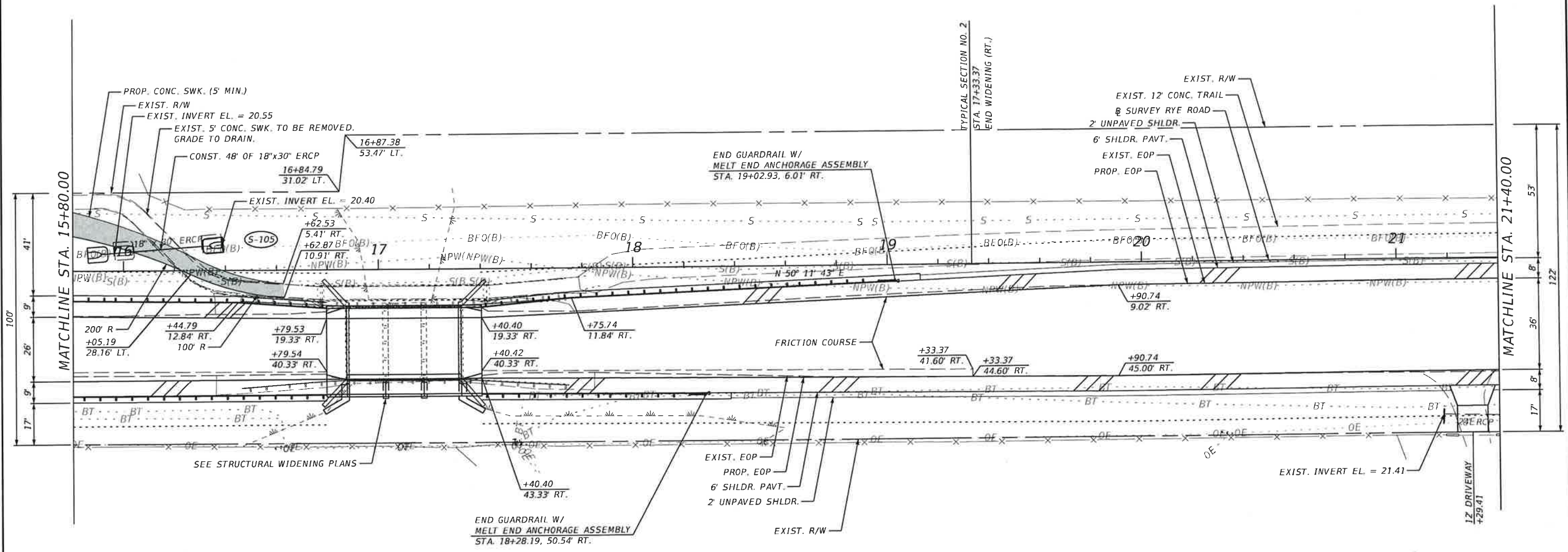


BEGIN GUARDRAIL W/
MELT END ANCHORAGE ASSEMBLY
STA. 14+29.81, 50.66 RT.

 PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (17)	SHEET NO.	
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		PROJECT NO.	FL. LICENSE NO.		70171	25
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	6086160						
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	1:02:33 PM 3/13/2018 PW:\007982\C0N0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD17.DGN							

RYE ROAD



S-105
STA. 15+91.26, 6.63' LT.
STA. 16+33.78, 9.82' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 20.6 (BK.)
FL. 20.4 (AH.)



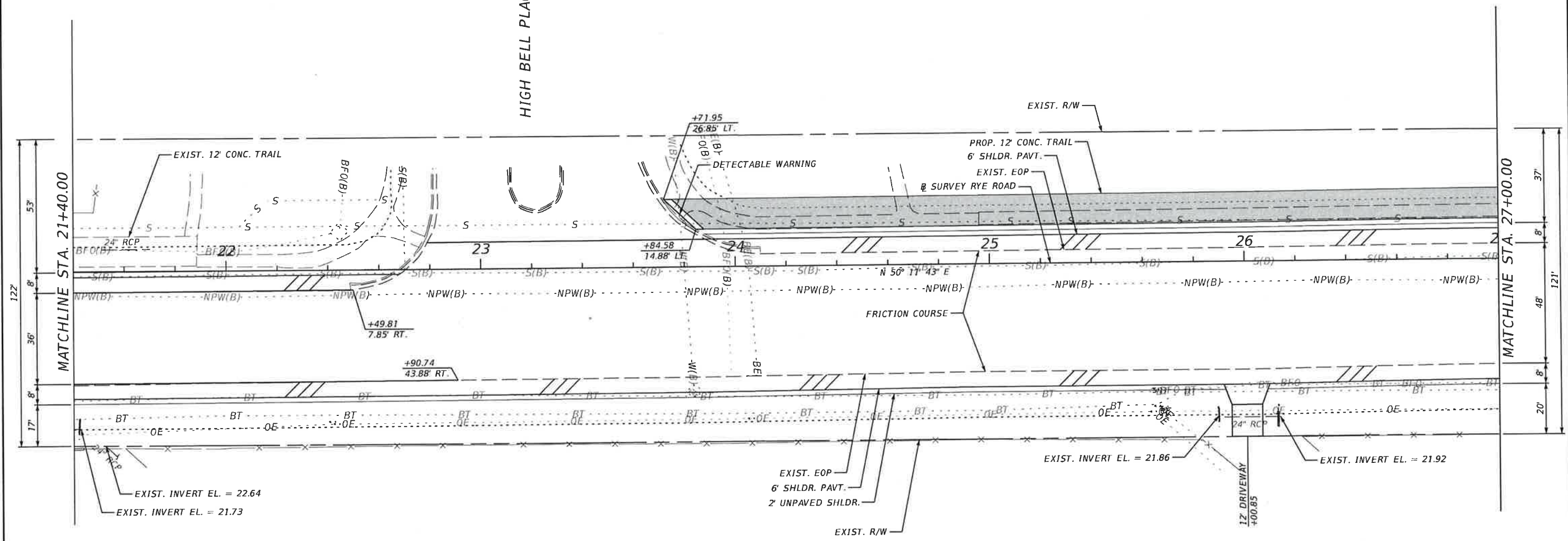
LEGEND
PROPOSED SIDEWALK

No.				REVISIONS		DATE	BY	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	PROJECT NO.	6086160	DESIGN ENGINEER	JASON L. STARR	FL. LICENSE NO.	70171	ROADWAY PLAN (18)		SHEET NO.	26
									DESIGNED BY	JLS												
									DRAWN BY	JHC												
									CHECKED BY	JLS												

RYE ROAD

DEL TIERRA

HIGH BELL PLACE

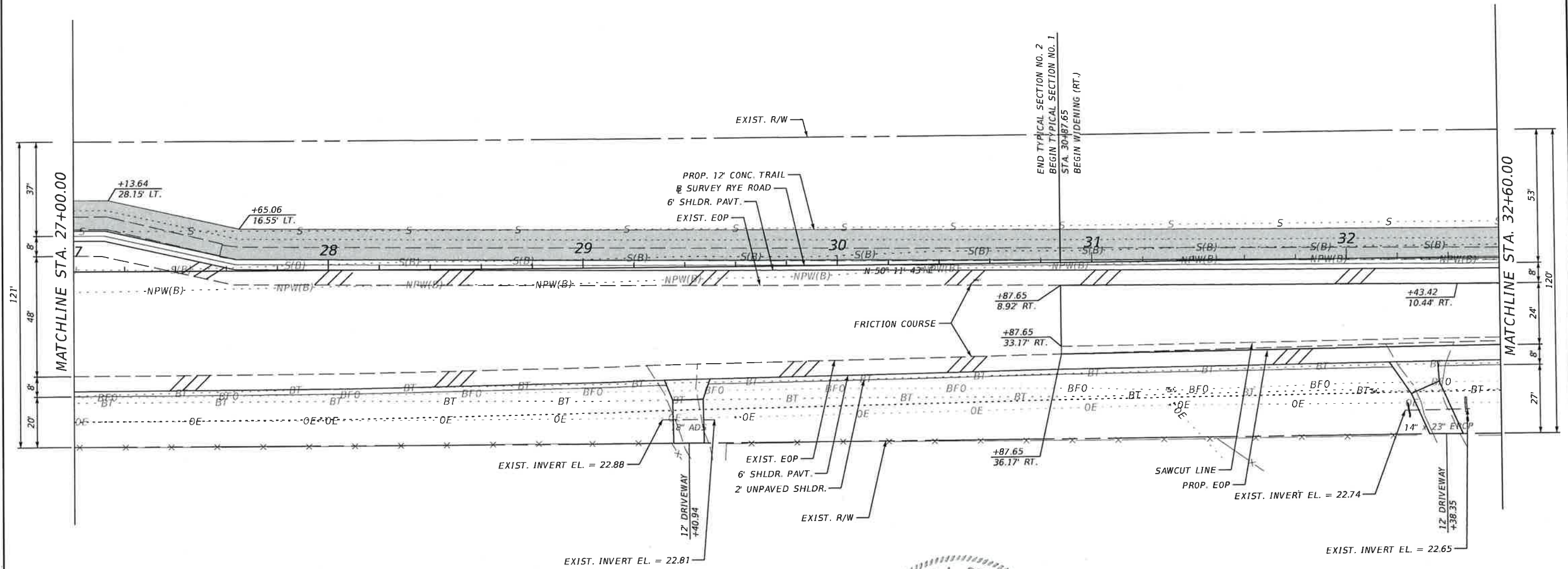


LEGEND
PROPOSED SIDEWALK

No.				REVISIONS		DATE	BY	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (19)	SHEET NO. 27
								DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400				FL. LICENSE NO.	70171		
								DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
								CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							

1:02:58 PM3/13/2018PW:\007982\CON0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD19.DGN

RYE ROAD



LEGEND
[Shaded Box] PROPOSED SIDEWALK

				SCALE		AS NOTED		HDR ENGINEERING, INC.		DATE		 MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER		ROADWAY PLAN (20)		SHEET NO. 28	
						DESIGNED BY		JLS		09/2017				JASON L. STARR					
						DRAWN BY		JHC		PROJECT NO.				FL. LICENSE NO.					
						CHECKED BY		JLS		6086160				70171					
No.		REVISIONS				DATE		BY		CERTIFICATE OF AUTHORIZATION 4213									
1:03:10 PM 3/13/2018 PW:\007982\C0N0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD20.DGN																			

A diagram showing a wedge with an angle of $1'' = 40^\circ$. A shear symbol is drawn on the left side of the wedge.



PROPOSED SIDEWALK

1:03:23 PM 3/13/2018 PW:\007982\CON0086775\0000000000225338\13.00_CAD\12345615201\roadway\PLANRD21.DGN

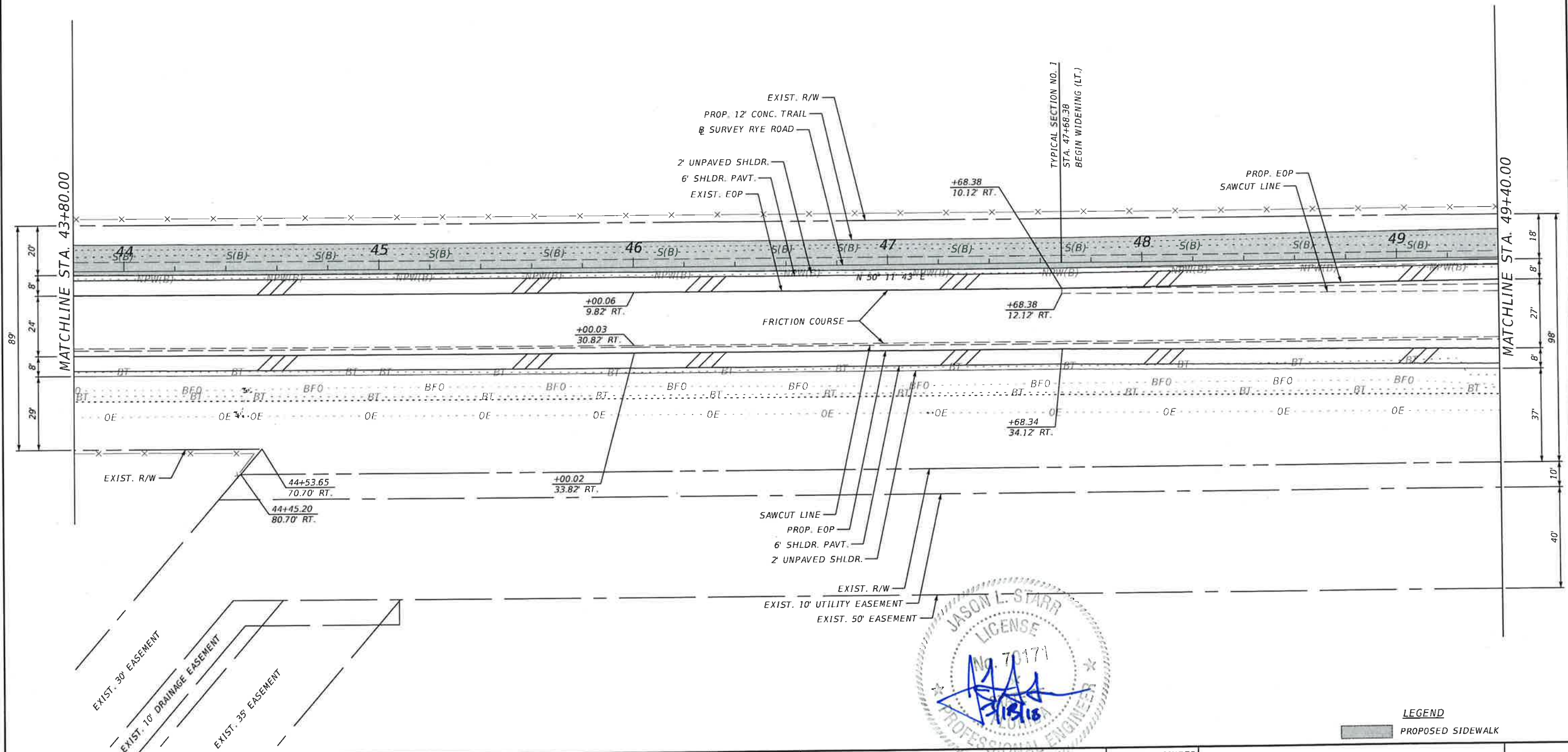
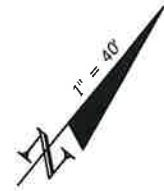
A diagram of a tapered shaft. The taper angle is indicated as $1^\circ = 40'$.



PROPOSED SIDEWALK

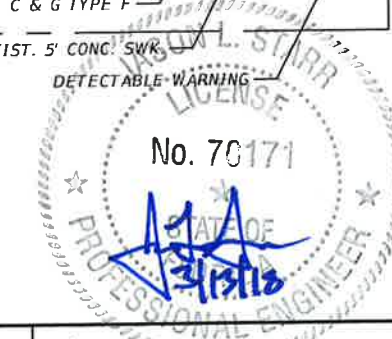
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				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.			30
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY	1/02/26 PM 3/13/2018 PW:007982\CON0086775\000000000225338\13.00_CAD\12345615201\roadway\PLANRD22.DGN							

RYE ROAD

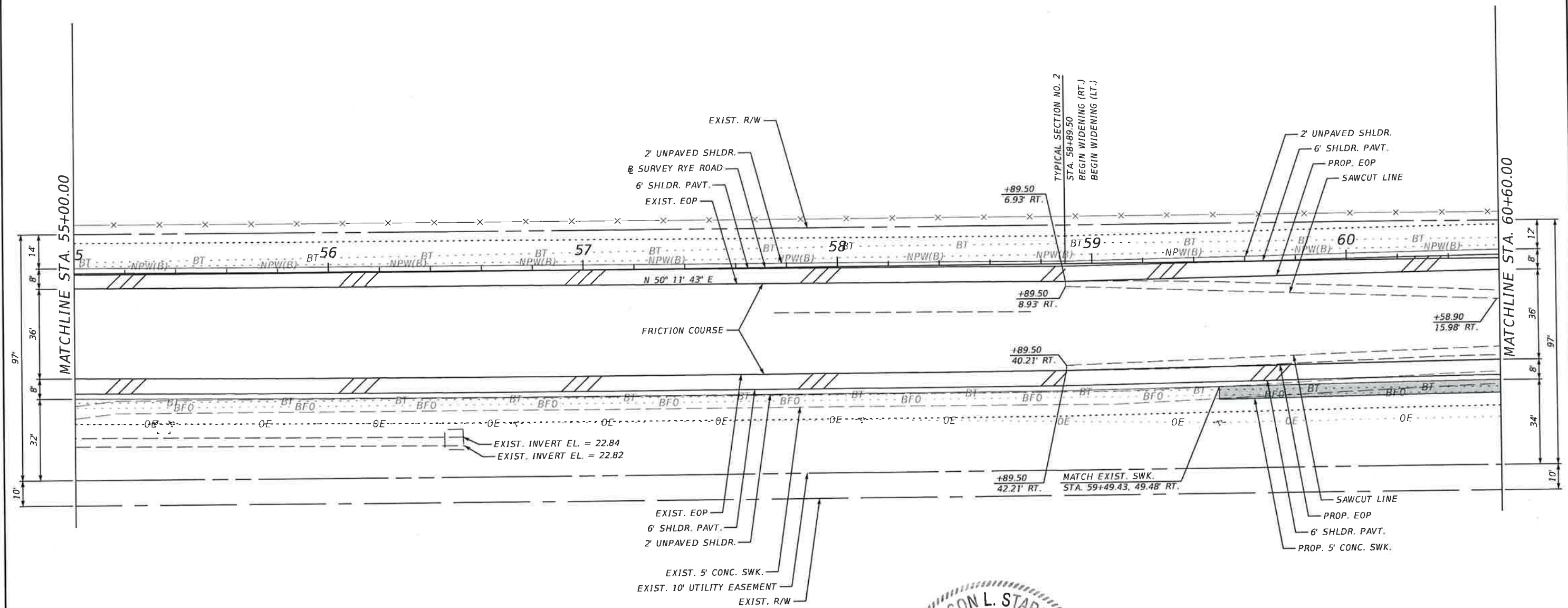


LEGEND
PROPOSED SIDEWALK

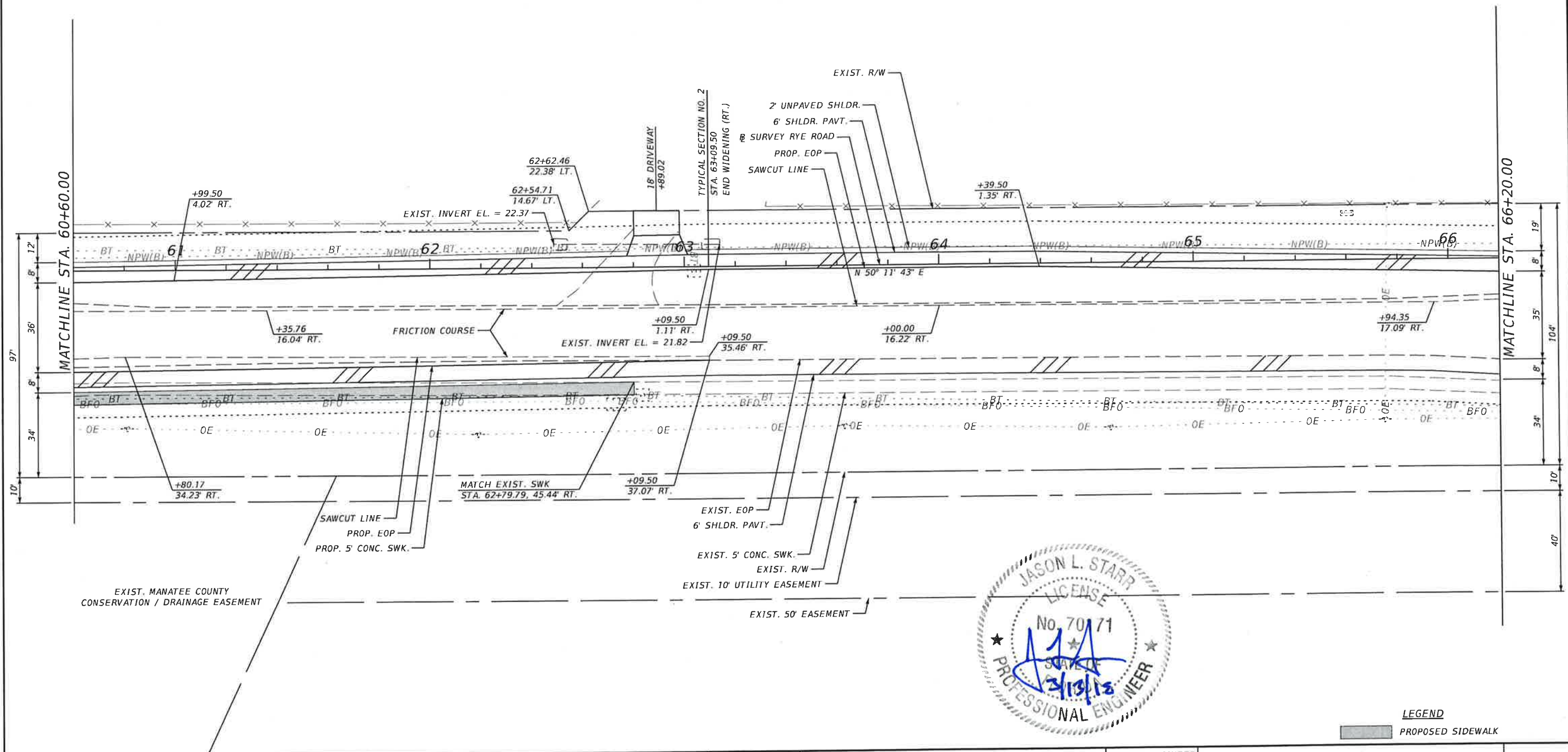
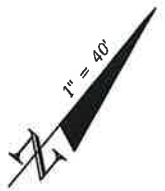
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				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		FL. LICENSE NO. 70171			
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO. 6086160					
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213						
No.	REVISIONS			DATE	BY	1:03:49 PM 3/13/2018 PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD23.DGN						



1:04:03 PM 3/13/2018 PW:\007982\CON0086775\0000000000225338\13.00_CAD\12345615201\roadway\PLANRD24.DGN

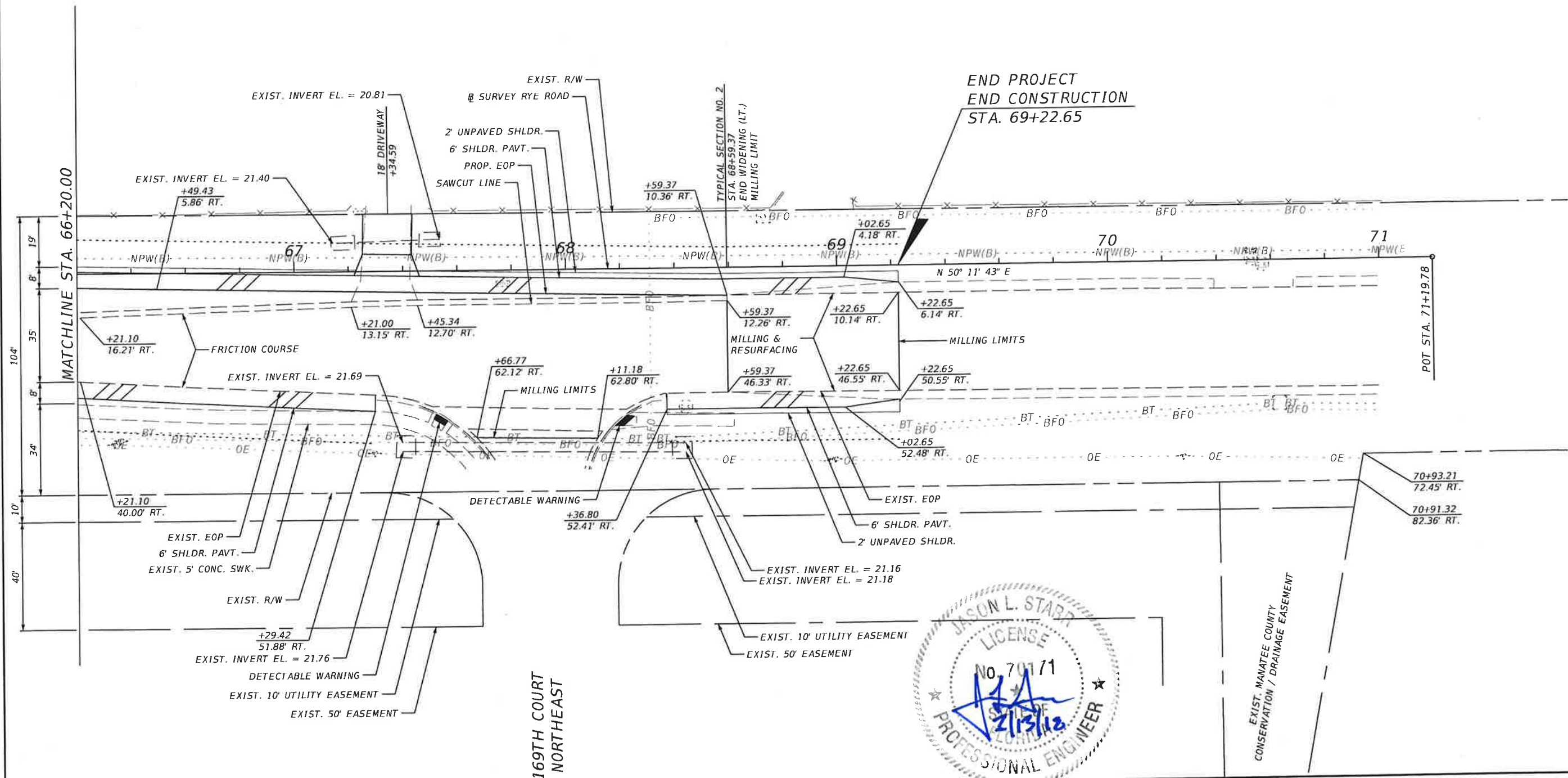
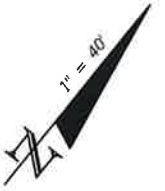


EXIST. MANATEE COUNTY CONSERVATION / DRAINAGE EASEMENT										PROPOSED SIDEWALK													
				SCALE AS NOTED		HDR ENGINEERING, INC.				DATE		 MANATEE COUNTY PUBLIC WORKS				DESIGN ENGINEER		ROADWAY PLAN (25)				SHEET NO.	
				DESIGNED BY JLS		2601 CATTLEMEN ROAD, SUITE 400				09/2017						JASON L. STARR							
				DRAWN BY JHC		SARASOTA, FLORIDA 34232				PROJECT NO.						FL. LICENSE NO.							
				CHECKED BY JLS		CERTIFICATE OF AUTHORIZATION 4213				6086160						70171						33	
No.		REVISIONS				DATE		BY		1:04:16 PM 3/13/2018 PW:007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD25.DGN													

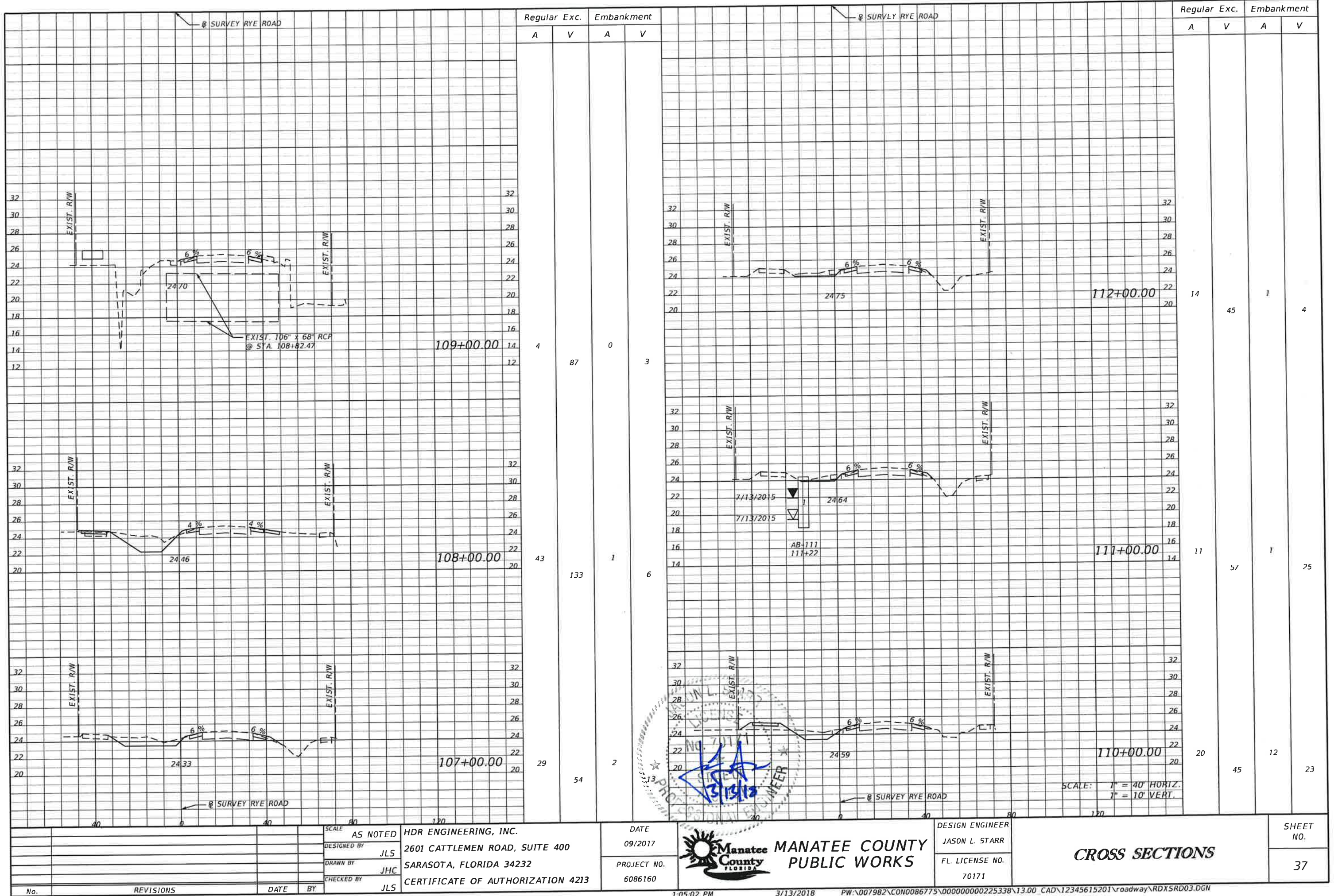


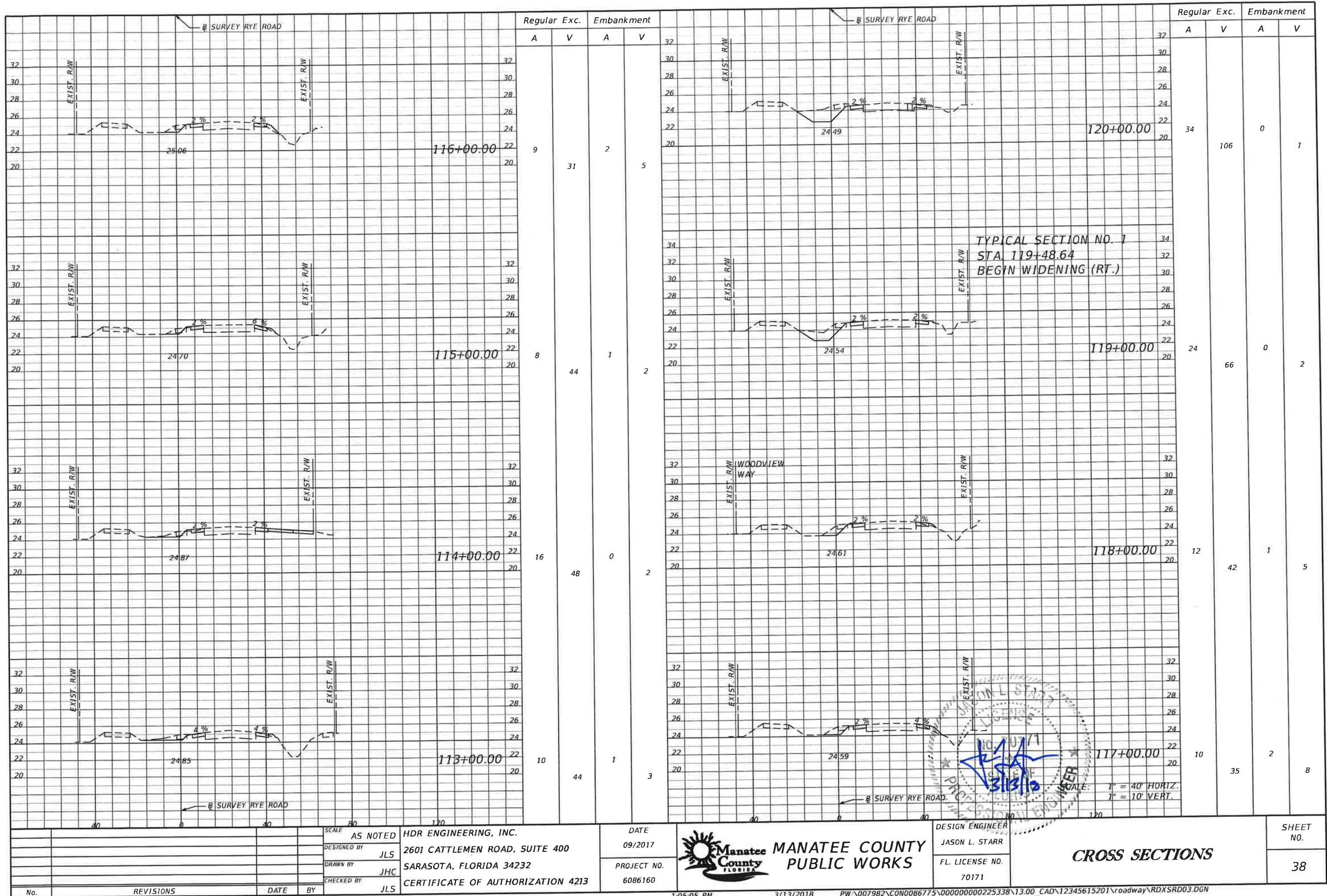
LEGEND
PROPOSED SIDEWALK

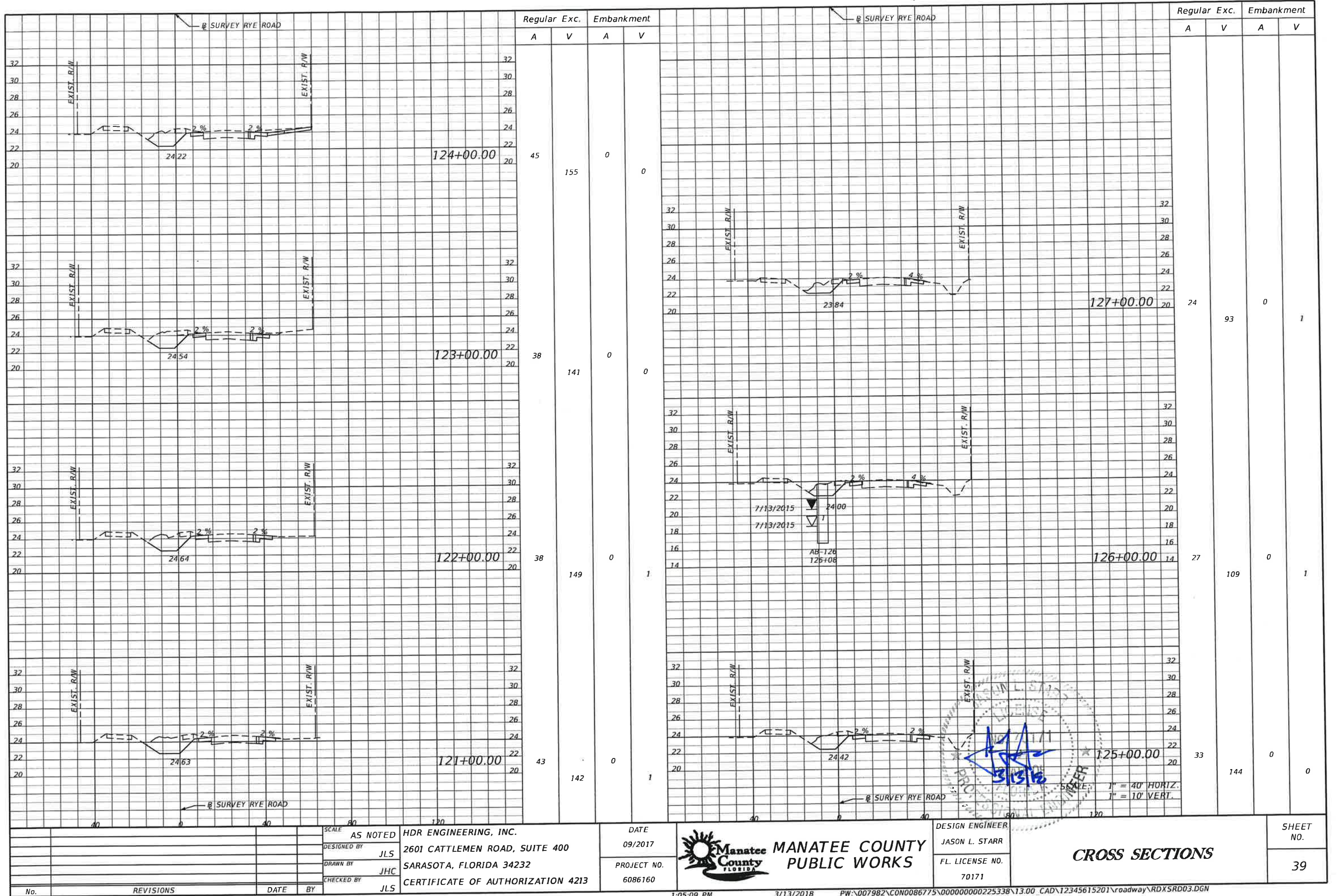
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				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		FL. LICENSE NO.			
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.		70171			34
				CHECKED BY		CERTIFICATE OF AUTHORIZATION 4213	6086160					
					JLS							
No.	REVISIONS			DATE	BY	1:04:30 PM 3/13/2018 PW:\007982\CON0086775\000000000225338\13.00 CAD\12345615201\roadway\PLANRD26.DGN						

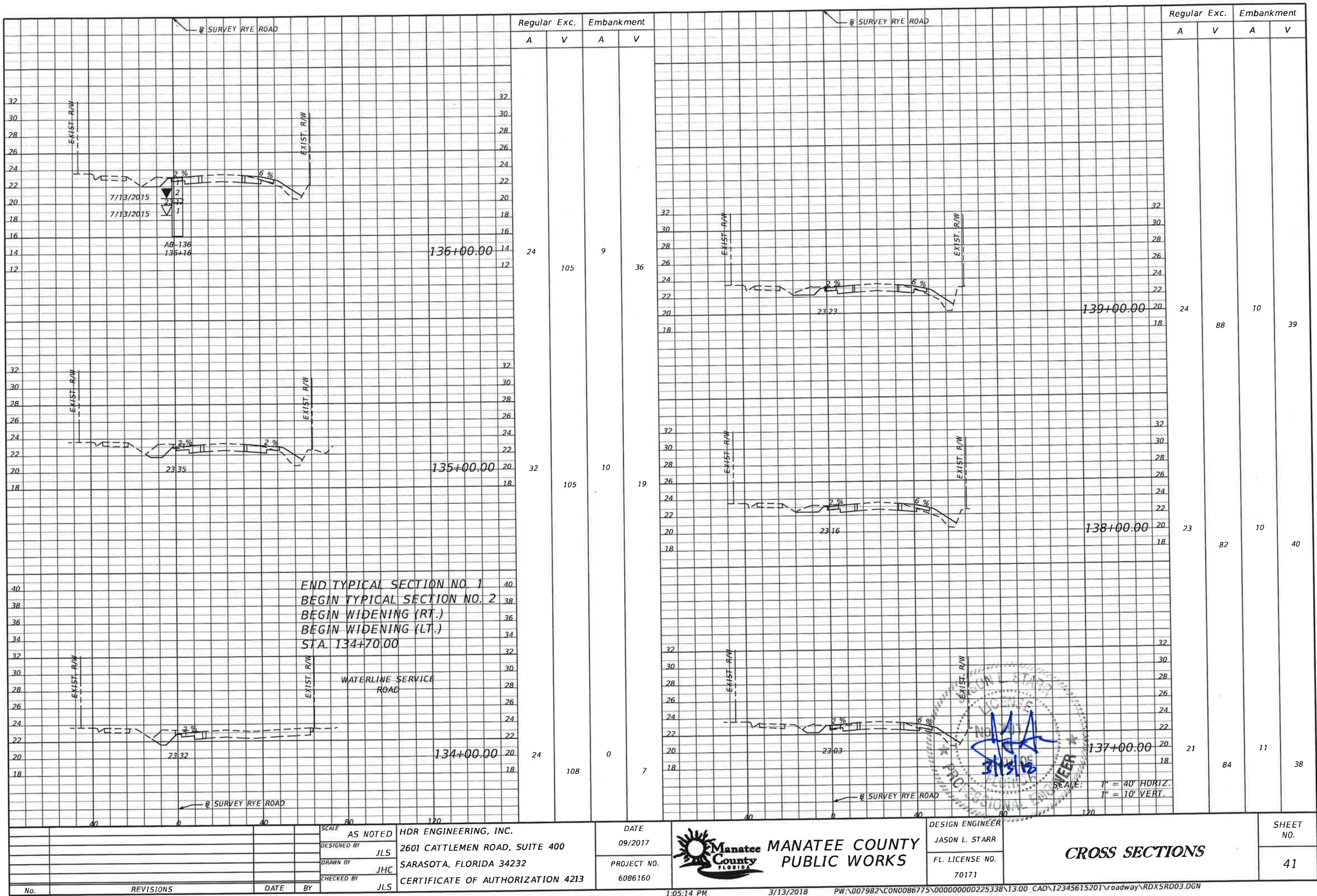


No.	REVISIONS DATE BY	SCALE AS NOTED DESIGNED BY JLS DRAWN BY JHC CHECKED BY JLS	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 CERTIFICATE OF AUTHORIZATION 4213	DATE 09/2017 PROJECT NO. 6086160	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR FL. LICENSE NO. 70171	ROADWAY PLAN (27)	SHEET NO. 35
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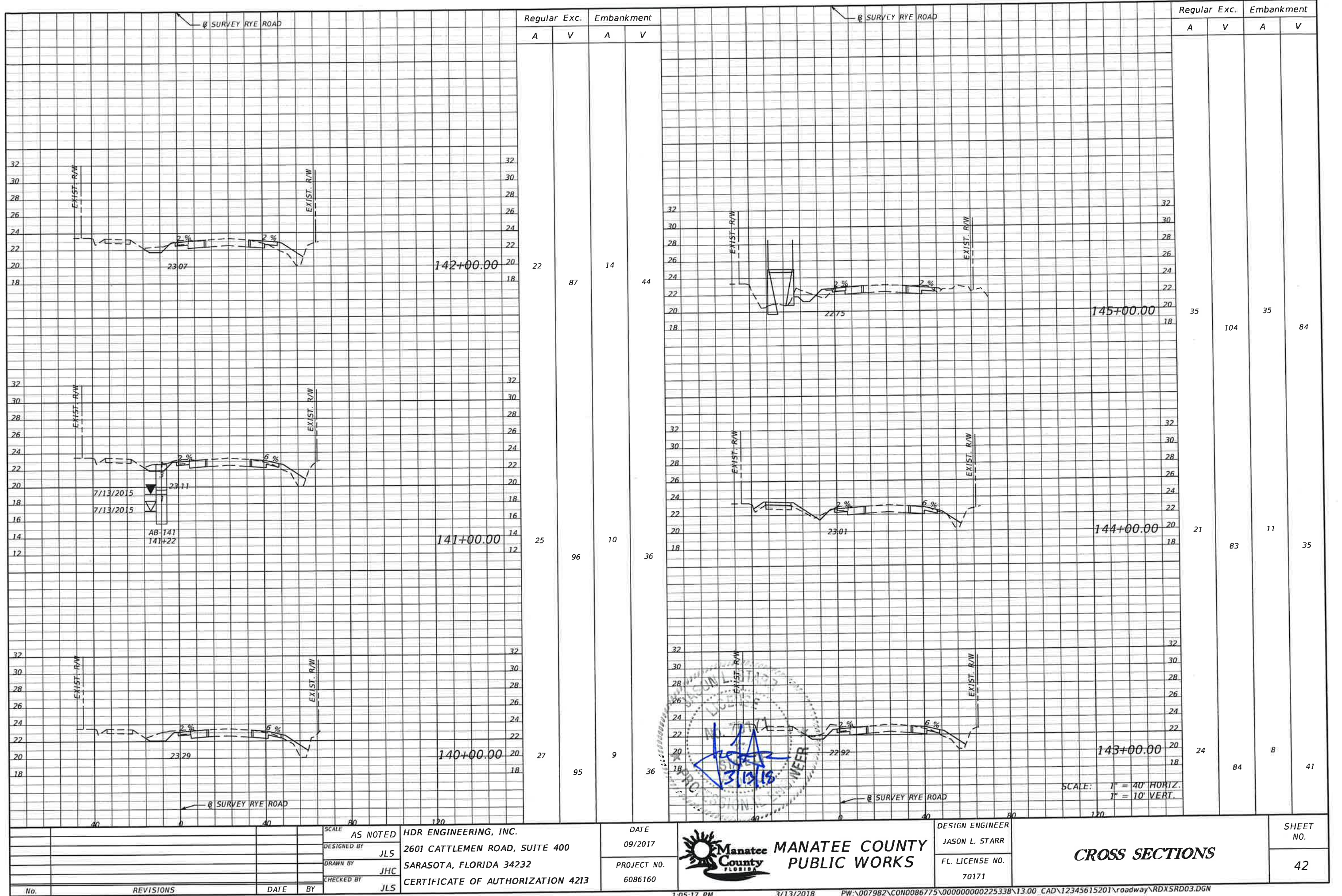








					SCALE	AS NOTED	HDR ENGINEERING, INC.
					DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400
					DRAWN BY	JHC	SARASOTA, FLORIDA 34232
					CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213
No.	REVISIONS			DATE	BY		

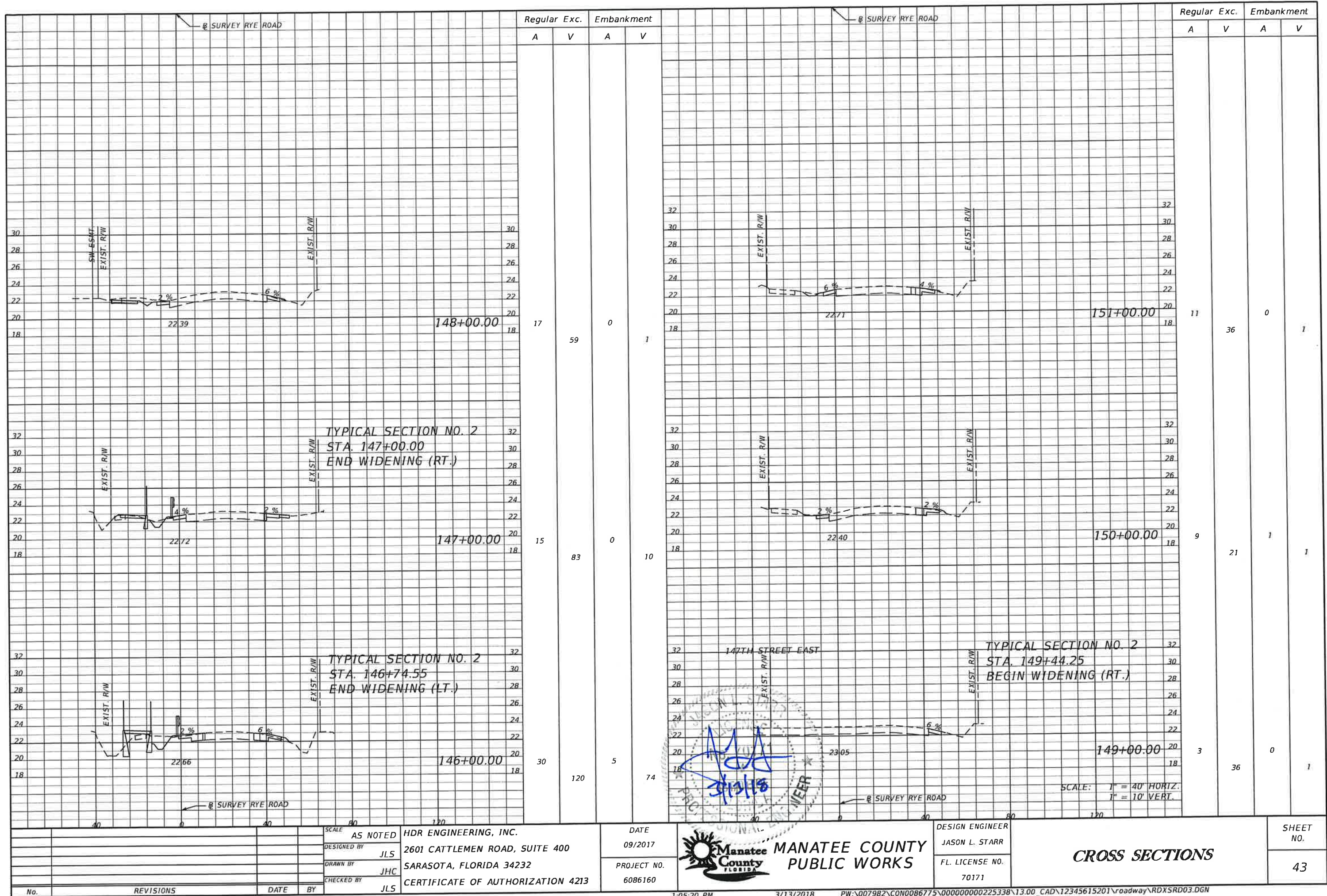


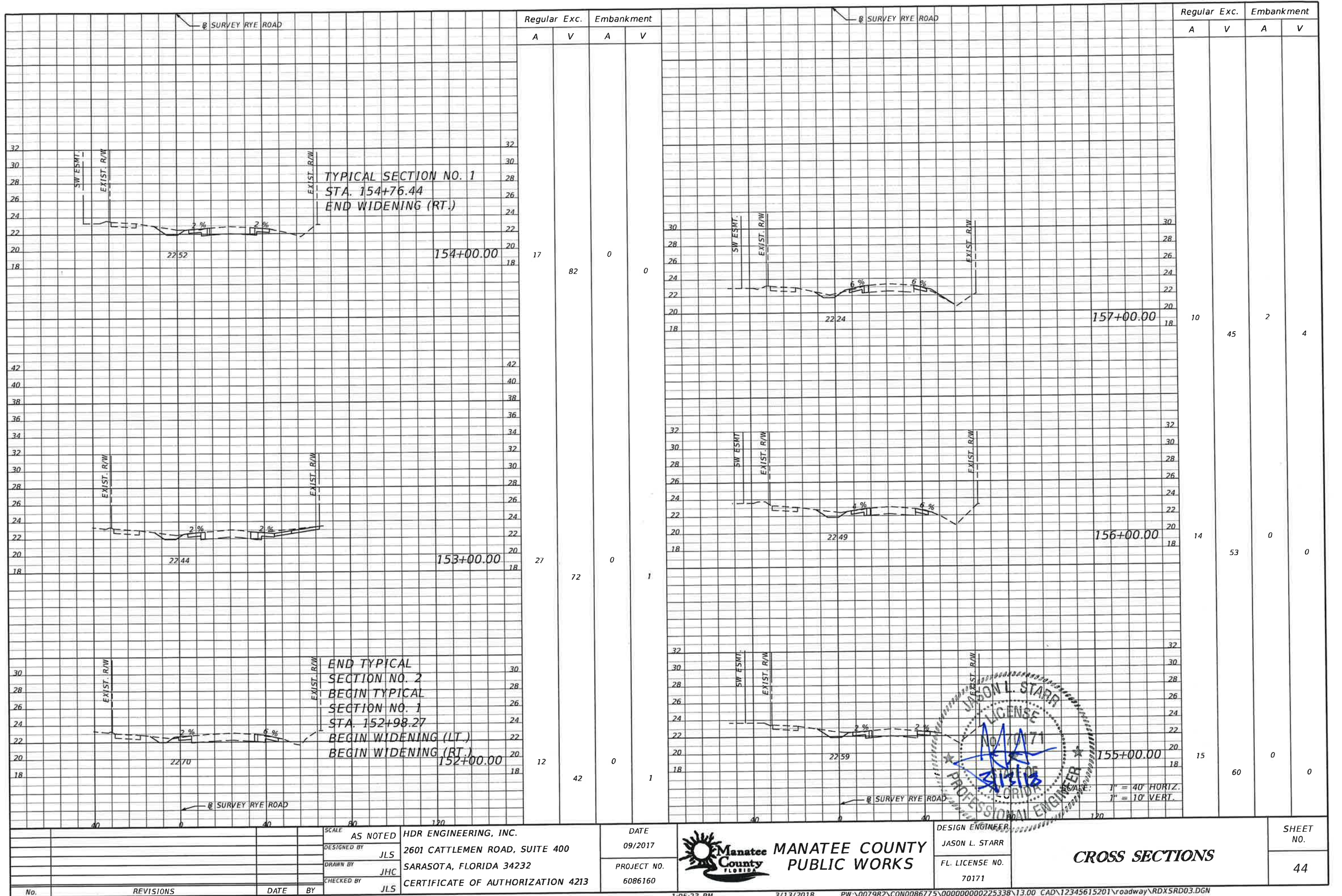
MANATEE COUNTY
PUBLIC WORKS

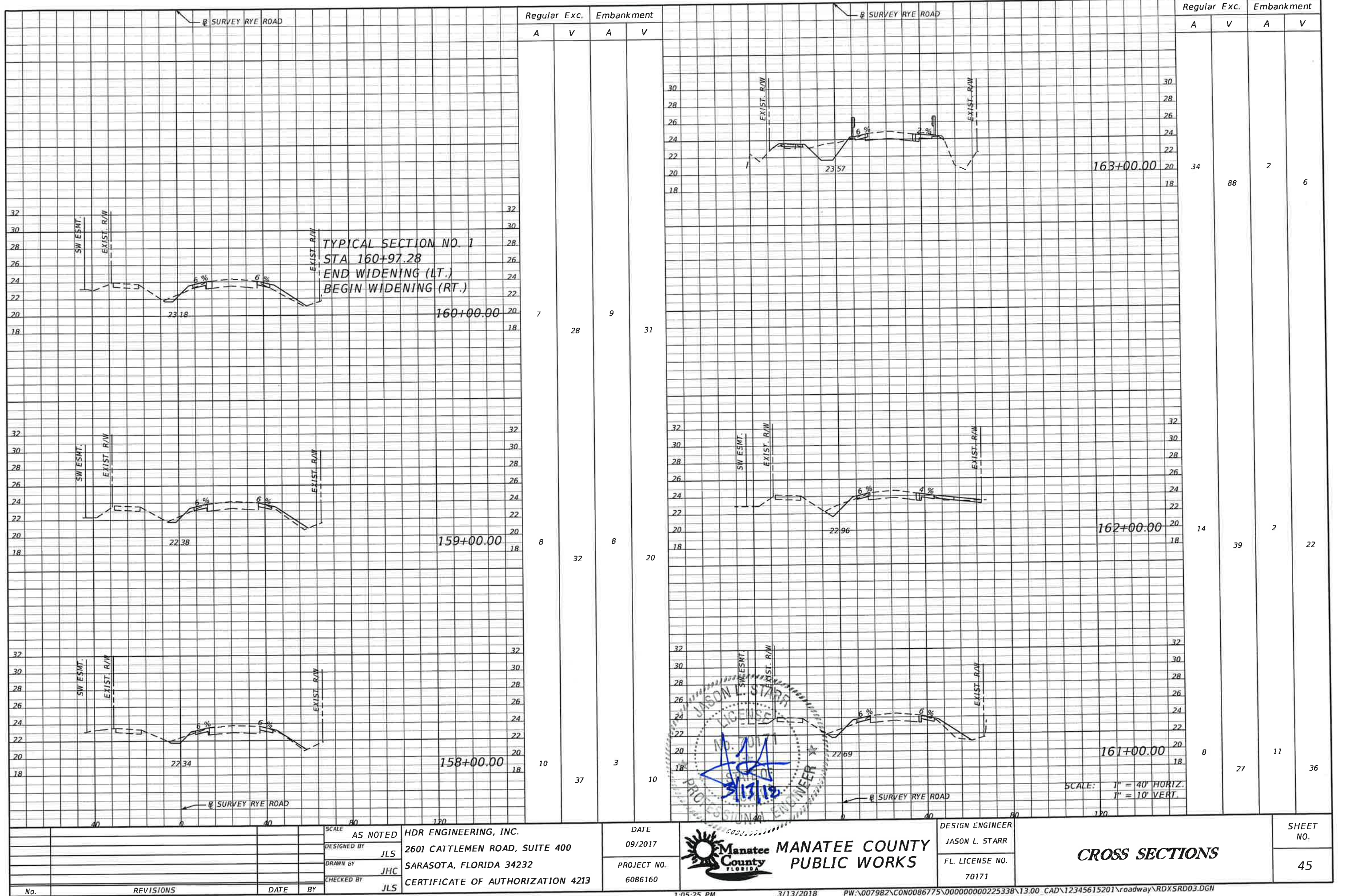
DESIGN ENGINEER
JASON L. STARR
FL. LICENSE NO.
70171

CROSS SECTIONS

SHEET NO.
42



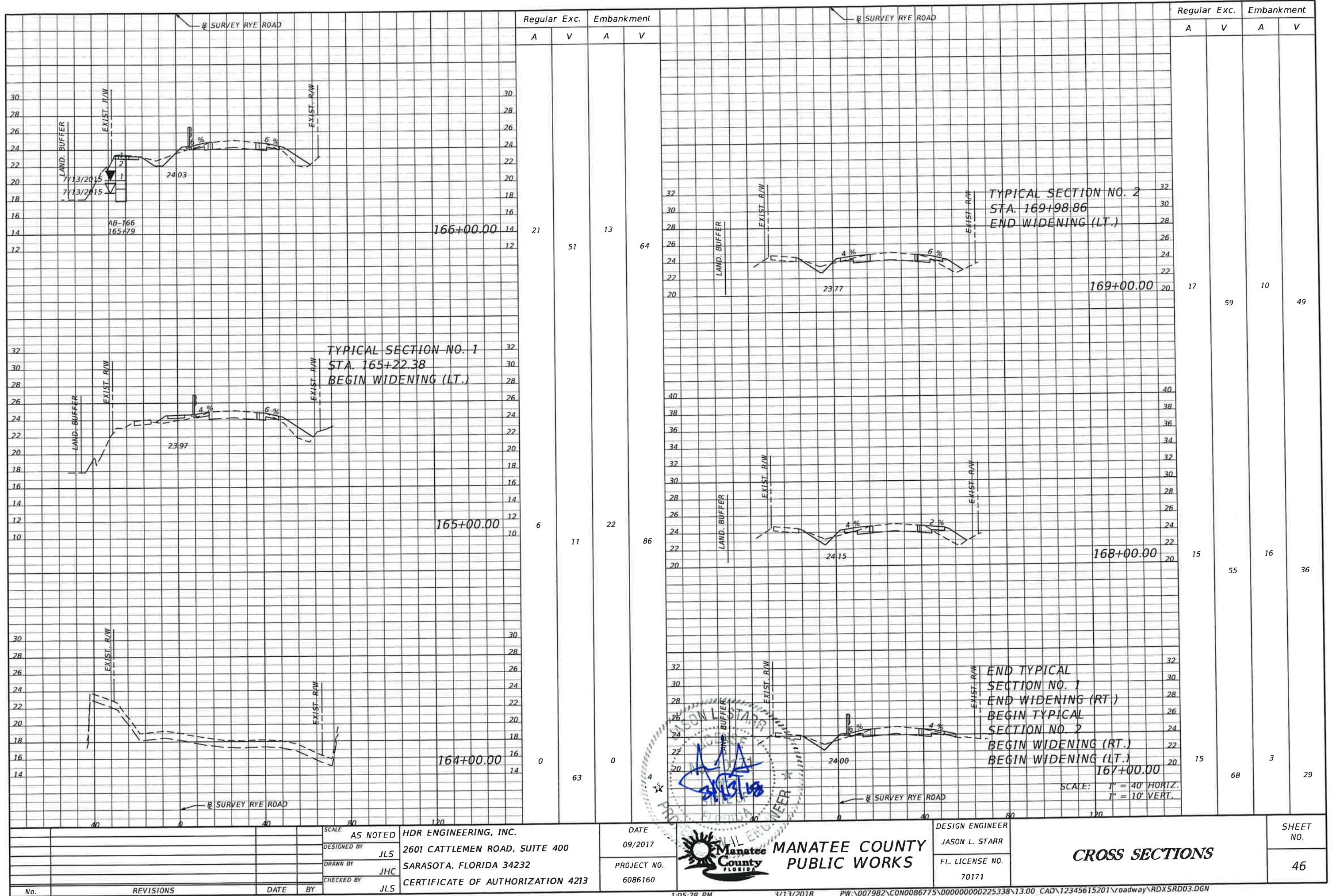


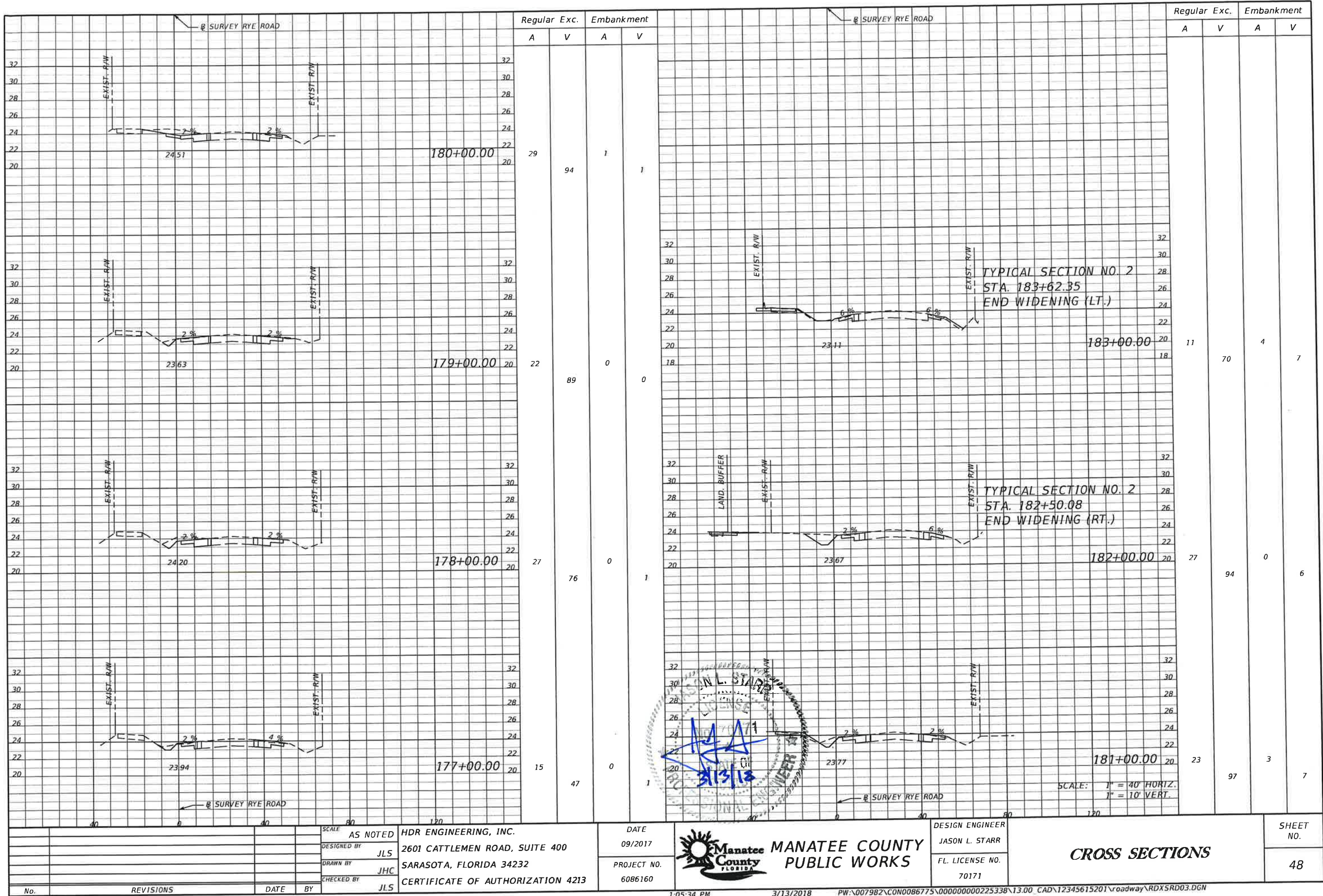


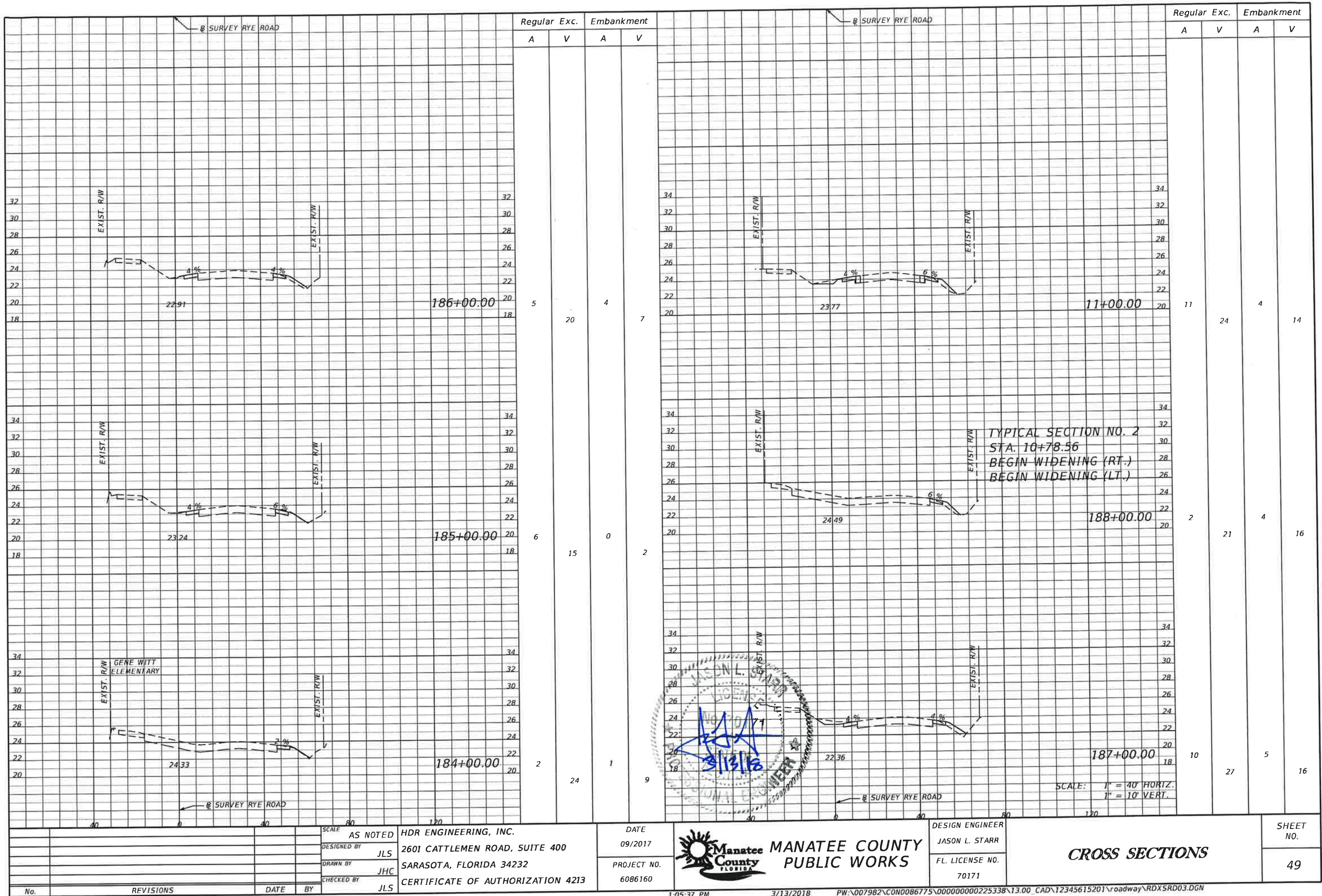
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3/13/2018

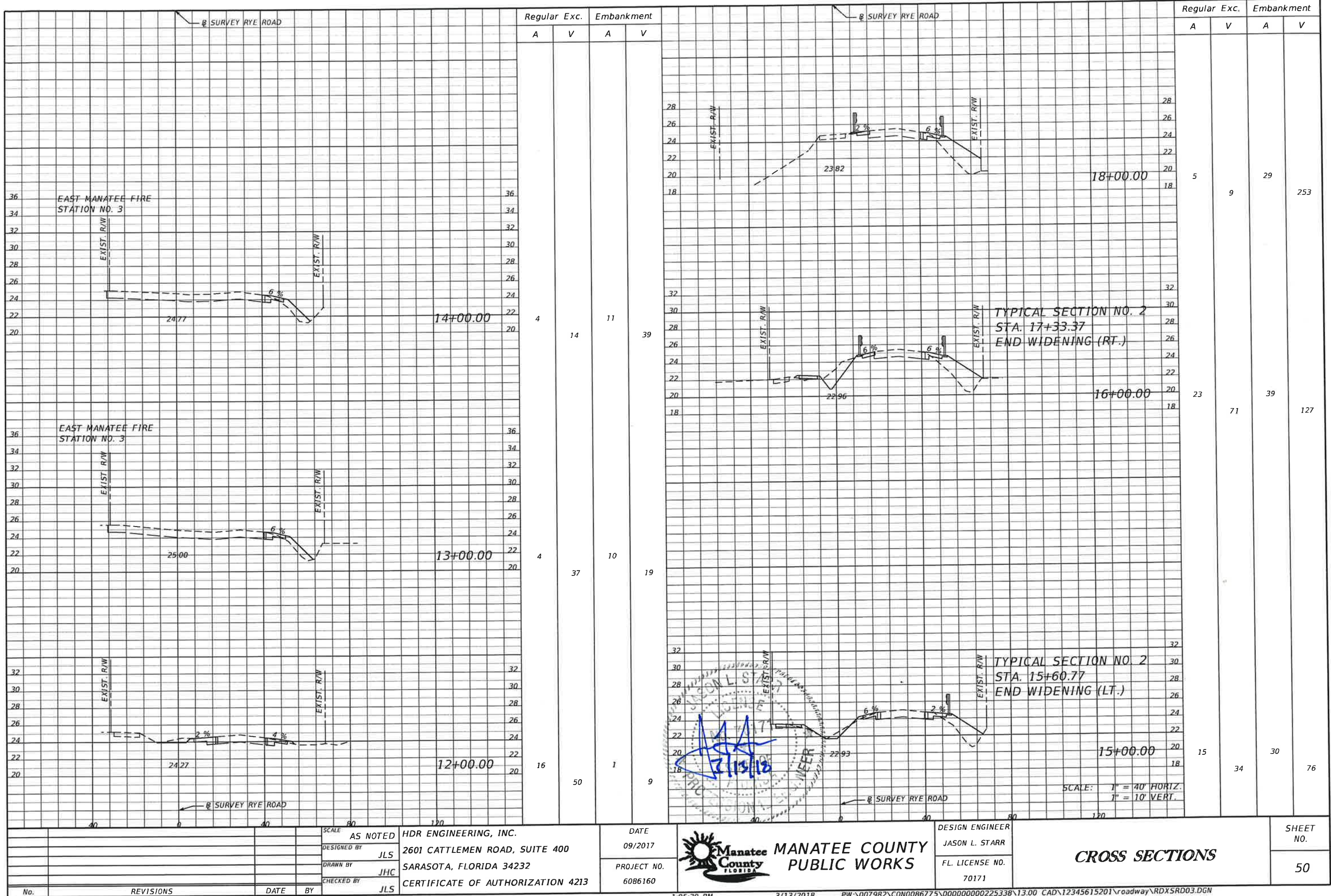
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				SCALE	AS NOTED	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 CERTIFICATE OF AUTHORIZATION 4213
				DESIGNED BY	JLS	
				DRAWN BY	JHC	
				CHECKED BY	JLS	
No.	REVISIONS			DATE	BY	



SCALE AS NOTED			
DESIGNED BY JLS			
DRAWN BY JHC			
CHECKED BY JLS			
No.	REVISIONS	DATE	BY

HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
CERTIFICATE OF AUTHORIZATION 4213

DATE
09/2017
PROJECT NO.
6086160

Manatee County
FLORIDA
MANATEE COUNTY
PUBLIC WORKS

DESIGN ENGINEER
JASON L. STARR
FL. LICENSE NO.
70171

CROSS SECTIONS
SHEET NO.
50