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Bradenton, FL 34205
purchasing@mymanatee.org

Solicitation Addendum

Addendum No.: 2
Solicitation No.: 18-TA002764JP
Project No.: 6086160
Solicitation Title: Rye Road Functional Improvements and Master Lift Station
Addendum Date: June 11, 2018
Procurement Contact: Joe Pretorius, johannes.pretorius@mymanatee.org

IFBC NO. 18-TA002764JP IS AMENDED AS SET FORTH HEREIN. RESPONSES TO QUESTIONS POSED BY PROSPECTIVE BIDDERS ARE PROVIDED BELOW. THIS ADDENDUM IS HEREBY INCORPORATED IN AND MADE A PART OF IFBC NO. 18-TA002764JP.

Add:

1988 REHABILITATION PLANS

1988 Rehabilitation Plans is hereby incorporated into Bid Attachment 3, Signed and Sealed Contract Drawings Plan Set for IFBC 18-TA002731JP with structural rehabilitation drawings on Rye Road for Mill Creek bridges #134025 and #134026.

Delete:

BID ATTACHMENT 4, SPECIAL PROVISIONS, PROJECT SCHEDULE, PAGE 4

~~The Contractor shall submit a preliminary construction schedule with the bid. The preliminary schedule shall show major work items and any phases the Contractor proposes. The schedule will show duration of work items and phases.~~

Replace:

APPENDIX J, BID FORM

Appendix J, Bid Form, is replaced with the attached Appendix J, Bid Form revised per this Addendum No. 2. Revisions have been made as follows:

1. Changed: Item No. 20 FDOT Item No. 400-01-11, Quantity changed from ~~300~~ to 80
2. Changed: Item No. 33 FDOT Item No. 536-1-1, Quantity changed from ~~2206.3~~ to 1843.8
3. Changed: Item No. 52 FDOT Item No. 110-03, Quantity changed from ~~117~~ to 193
4. Changed: Item No. 53 FDOT Item No. 400-2-4, Quantity changed from ~~29~~ to 49

5. Changed: Item No. 54 FDOT Item No. 400-2-10, Quantity changed from 7 to 14
6. Changed: Item No. 55 FDOT Item No. 400-4-5, Quantity changed from 31.7 to 23
7. Changed: Item No. 56 FDOT Item No. 415-1-4, Quantity changed from 4400 to 9526
8. Changed: Item No. 57 FDOT Item No. 415-1-5, Quantity changed from 3012 to 1665
9. Changed: Item No. 58 FDOT Item No. 415-1-9, Quantity changed from 820 to 2409
10. Changed: Item No. 59 FDOT Item No. 455-35-5, Quantity changed from 117 to 163
11. Changed: Item No. 60 FDOT Item No. 455-133-3, Quantity changed from 30 to 1113
12. Changed: Item No. 61 FDOT Item No. 455-144-5, Quantity changed from 50 to 90
13. Changed: Item No. 62 FDOT Item No. 458-1-11, Quantity changed from 43 to 75
14. Changed: Item No. 62 FDOT Item No. 460-71-1, Quantity changed from 122 to 214

Replace:

ATTACHMENT 3, SIGNED AND SEALED CONTRACTS DRAWINGS PLAN SET

Attachment 3 is replaced with the attached Attachment 3 revised plan set per this Addendum No.

2. Revisions have been made as follows:

1. Sheet No. 2 – General Notes – General note #2 removed, remaining notes renumbered [Question 17]
2. Sheet No. 6 – Summary of Pay Items – Quantity for 400-0-11 – Concrete Class NS, Gravity Wall updated [Question 4]
3. Sheet No. 9 - Roadway Plan (1) – Existing pipe sizes added [Question 18]
4. Sheet No. 10 - Roadway Plan (2) – Existing pipe sizes added [Question 18]
5. Sheet No. 11 - Roadway Plan (3) – Existing pipe sizes added [Question 18]
6. Sheet No. 12 - Roadway Plan (4) – Existing pipe sizes added [Question 18]
7. Sheet No. 13 - Roadway Plan (5) – Existing pipe sizes added [Question 18]
8. Sheet No. 14 - Roadway Plan (6) – Existing pipe sizes added; removal of existing pipe added [Question 18]
9. Sheet No. 15 - Roadway Plan (7) – Existing pipe sizes added; removal of existing pipe added [Question 18]
10. Sheet No. 17 - Roadway Plan (9) – Existing pipe sizes added; removal of existing pipe added [Question 18]
11. Sheet No. 18 - Roadway Plan (10) – Existing pipe sizes added [Question 18]
12. Sheet No. 20 - Roadway Plan (12) – Existing pipe sizes added; removal of existing pipe added [Question 18]
13. Sheet No. 21 - Roadway Plan (13) – Existing pipe sizes added [Question 18]
14. Sheet No. 22 - Roadway Plan (14) – Existing pipe sizes added [Question 18]
15. Sheet No. 23 - Roadway Plan (15) – Existing pipe sizes added [Question 18]
16. Sheet No. 24 - Roadway Plan (16) – Existing pipe sizes added [Question 18]
17. Sheet No. 25 - Roadway Plan (17) – Existing pipe sizes added [Question 18]
18. Sheet No. 26 - Roadway Plan (18) – Existing pipe sizes added; removal of existing pipe added [Question 18]
19. Sheet No. 33 - Roadway Plan (25) – Existing pipe sizes added [Question 18]
20. Sheet No. 34 - Roadway Plan (26) – Existing pipe sizes added [Question 18]
21. Sheet No. 35 - Roadway Plan (27) – Existing pipe sizes added [Question 18]
22. Sheet No. P-2 – General Notes – Design Truck updated [Question 16]

QUESTIONS AND RESPONSES:

Q1. What is the engineer's estimate for this project?

R1. The Engineer's estimate for the project is \$5,406,147.11

Q2. Referencing "Project Schedule" on Page 4 of the "Special Provisions". The first sentence of the first paragraph states that "The contractor shall submit a preliminary construction schedule with the bid." A preliminary construction schedule is not pertinent to the submission of this bid. We are bidding on two different substantial completion dates, bid "A" and bid "B", with liquidated damages. The language to provide a preliminary schedule with the bid needs to be removed.

R2. Requirement deleted per this Addendum No. 2.

Q3. Referencing the Master Pump Station and Pump Station 355 Rehabilitation bid items. There are no bid items for bypass pumping or connection to existing force mains. Consider adding bid items to cover these scopes. Please advise.

R3. Review Contract Documents Attachment 2: Technical Specifications Section 01150, Measurement and Payment, Bid Item No. 5, HYDROMATIC PUMP AND APPURTENANCES REPLACEMENT [PS-355 REHABILITATION], Bid Item No. 12 6-INCH, C900 PVC, RJ [PS-355 REHABILITATION], Bid Item No. 18 6-INCH, C900 PVC, RJ [RYE ROAD PUMP STATION], Bid Item No. 19 12-INCH, C900 PVC, RJ [RYE ROAD PUMP STATION], Bid Item No. 20 24-INCH, C905 PVC, GRAVITY SANITARY [RYE ROAD PUMP STATION].

Q4. Referencing bid item 20, Concrete Class NS, Gravity Wall. This item has a quantity of 300 CY. There is only 400LF of gravity wall varying from 1.5' to 5' maximum. It appears there is a rather large quantity bust for this item. Please recheck the required quantity for the gravity wall and revise the bid form with the correct quantity.

R4. Per this Addendum No. 2, quantity has been updated per FDOT Standard Index 6011 – Scheme 1 for Gravity Wall quantities. The total quantity has been revised to 80 CY.

Q5. Will the contractor be required to obtain a building permit for the installation of the FRP building? Please clarify.

R5. Yes, permits have been started with the Manatee County Building Department and require completion by the Contractor. The permit numbers associated with this project are indicated as: CMP-18011284, CMP-18011287, CMP-18011298, and CMP-18011300.

Q6. Referencing the quantities for the steel sheet piles. Bid form quantity is 30 SF, plan sheet B2 of the bridge plans table totals 1113 SF. This is a significant bust in quantities. Please clarify and adjust the bid form to the correct quantity for the steel sheet piles.

R6. The quantities shown on Sheet B2 are correct for the plans. The Bid Form has been revised per this Addendum No. 2 for the structural component set pay items.

Q7. It appears that the existing bridge decks have been overlaid with some cementitious material. Do you know to what depth this overlayment is and what type of material has been placed?

R7. Refer to the 1988 Rehabilitation Plans. A Class IV 4000 psi concrete topping was specified for the concrete deck over the slab units based on 1986 FDOT Standard Specifications. The deck was to be cast at a typical 6" thickness over the existing 11" precast concrete slab units.

Q8. What is the depth of the bridge deck where the 2' - 4" removal section is?

R8. Refer to the 1988 Rehabilitation Plans. It's estimated that the concrete deck is at 6" thick over the 11" precast concrete slab units.

Q9. We will need to be provided with finish grades at the curb line?

R9. Since the existing deck slope is to be used to establish the profiles along the curb for each bridge, grades have not been provided. The profiles are to be field fit during construction and coordinated with the end bent or bent cap elevations.

Q10. At bridge 134026 at the NW corner there is an existing end wall for the 30" pipe that ties into the existing wingwalls. The new steel sheet pile wingwalls show to tie into this. Do you have a detail for how this ties in? Will you require a closure pour here? Will there be a conflict driving the steel sheet piles with the end wall footer? If so, what is the plan?

R10. Detail B on Sheet B2-10 shows the anticipated tie-in/closure at the end wall. The Contractor shall probe the area in front of the end wall prior to sheet pile installation to determine the presence of a footer. If a footer in front of the end wall is found, the Contractor shall submit a wall installation detail to the Engineer for approval.

Q11. Please provide plans for the existing bridges.

R11. The 1988 Rehabilitation Plans for the Bridge #134025 and Bridge #134026 is incorporated and made part of 18-TA002764JP per this Addendum No. 2.

Q12. Regarding Utility coordination, plan notes state to coordinate with FP&L for de-energizing. De-energizing will be required. Has FP&L been conferred with regarding this, and for what duration can these lines be de-energized?

R12. A discussion regarding the possible need for de-energizing the power line for the installation of the piles with FP&L was made. No specific details were settled on but FP&L understands that de-energizing may be necessary. Specific details for de-energizing the lines and durations will be determined at a pre-pile driving conference after the contract has been awarded.

Q13. The existing expansion joints will need to be carried through the new widening. Please provide a detail for the expansion joints.

R13. The joints in the widened section are to match the existing joints in the deck. Details will be based on field conditions and the contractor is to follow Standard Specification 400-10 as noted in the General Notes.

Q14. The existing bridge deck has 2% fall from the middle of the deck to the shoulder of the bridge. The new roadway centerline will not line up with the existing centerline high point on the bridge. How is this to be addressed?

R14. The roadway surface will be transitioned from the final location to the bridge location within a 20' length. Notes will be added to the roadway plans to address.

Q15. Sheet B1-6 and B2-6 of the bridge plans show that some of the existing end piles are installed at a 12:1 batter. If the existing piles are a little bit out of tolerance there will be conflicts. What would be the plan with this situation?

R15. Contractor to verify existing pile batter before installation of new piles and inform the engineer if the batter is significantly different from the 12:1 batter. Note that the design was based on the best information available for the pile tip estimates and an approximate 3' clearance was provided. This

clearance will provide some room for batters that are slightly off the 12:1 batter. Our field review did not indicate that the piles varied significantly from the 12:1 batter.

Q16. The pedestrian bridge design loading is calling for H5 Loading. Is this correct, as it seems heavy and is expensive? Please clarify.

R16. The design loading has been revised per this Addendum No. 2 to represent a 2,500 LB utility vehicle with 60% of the load acting upon the rear axle and 40% on the front axle.

Q17. Referencing the General Notes, note #2 states, "Grade shown are finished grades". There are no grades shown on the plans. What is the contractor to grade to at the new intersection connections? Please clarify.

R17. The intersection connections are within the milling and resurfacing area and the intent is to match existing grades at the tie in points. General Note #2 on Sheet No.2 has been removed per this Addendum No. 2 as it is not applicable.

Q18. Referencing the General Notes, note #10 states, "All existing drainage structures, underdrain systems, ditches and ponds are to remain unless otherwise noted". There are no call outs for any of the existing drainage pipe to be removed where it appears that the pipe should be removed. How do we determine what is to be removed and what is not? Please clarify.

R18. Where new sidewalk construction / excavation impacts existing drainage pipes, the intent is to remove the existing pipes. Removal callout notes have been added to the plans per this Addendum No. 2.

Q19. Where we are connecting to existing storm drain pipe are FDOT concrete collars to be utilized? Is the cost of the concrete collars to be associated with the pipe bid item? Please clarify.

R19. The intent is to follow the guidelines of FDOT Standard Index 280 when using concrete collars to connect. Within that Standard Index, there are notes indicating the use of collars and work is included in the unit price for new pipe. For S-1, the cost shall be incidental to the end wall structure.

Q20. Referencing the 12' concrete trail, I do not find any detail or specification for the proposed 12' concrete trail. Is it to be 4" or 6" thick non-structural concrete at 3000 psi? Please clarify.

R20. The 12' concrete trail follows Manatee County Standard 301.1 – Sidewalk Requirements. That standard detail indicates the sidewalk is 4" thick and a thicker section when there are concerns with proximity to existing trees. Driveways follow Manatee County Standard 101.1 – Urban Drives and that detail indicates a 6" thickness.

Q21. Can consideration be made to extend the bid date at least one week preferably two weeks, due to the already congested bid schedule along with the Memorial Day weekend coming up?

R21. Refer to Addendum No. 1 for the revised Bid Due Date of June 29, 2018.

Q22. Referencing guardrail: Plan quantity is 2,206.25 LF but can only find about 1,775 LF on plan sheets 9 through 35. Which is correct? Please clarify.

R22. The summary of pay items and bid form have been updated per this Addendum No. 2 to the correct quantity of 1,843.75 LF (pay item 536-1-1).

Q23. Referencing guardrail: Plan sheet 26 shows the guardrail to tie into the structure walls at all 4 corners. However, there is no pay item 536-8-13 for this work. Shall the item be included in item 536-1-1 or will pay item 536-8-13 be added to the bid form for this project?

R23. The plan sheets showing the bridges refer to the Structural Widening Plans and the three-beam railing with the FDOT 2016 Index 470 / 471 callouts in several locations. There is no need for an additional pay item with the quantity update for 536-1-1.

NOTE: Items that are ~~struck through~~ are deleted. Items that are underlined have been added or changed. All other terms and conditions remain as stated in IFBC No. 18-TA002764JP.

End of Addendum

INSTRUCTIONS:

Receipt of this addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

AUTHORIZED FOR RELEASE: TW08

MANATEE COUNTY, FLORIDA



PROJECT NO. 319-7148-541

STRUCTURAL REHABILITATION EYE ROAD BRIDGES @ MULL CREEK BRIDGES #134025 & #134026



LOCATION MAP

SUMMARY OF QUANTITIES				
ITEM NO.	FED. Fwy ITEM NO.	DESCRIPTION	UNITS	QUANTITIES
1	101-1	MOBILIZATION	L.S.	1
2	102-1	MAINTENANCE OF TRAFFIC	L.S.	1
3	104-12	STANDARD SPLIT BARRIER	L.F.	100
4	120-7	GRANITE	L.S.	1
5	200-1	ASPHALTIC CONCRETE TYPE ABL III	1000	113
6	300-1	TACK COAT @ 0.08 GAL/S.Y.	GAL	180
7	331-1	1 1/2" THICK ASPHALTIC CONCRETE TYPE S II	S.Y.	1075
8	400-4	CLASS IV FIBER REINFORCED CONCRETE	C.Y.	37
9		FIVE STAR CURB	C.F.	25
10	415-1	#3 TIE REINFORCEMENT	LB.	2900
11	508-1	4" P.V.C. BRIDGE DRAINS	L.S.	1
12	571-1	HYDRO-MULCH	S.Y.	711
13	575-1	SOIL FILL	S.Y.	178

APPROVED BY:

ERIC G. CALLIS, P.E. NO. 36957

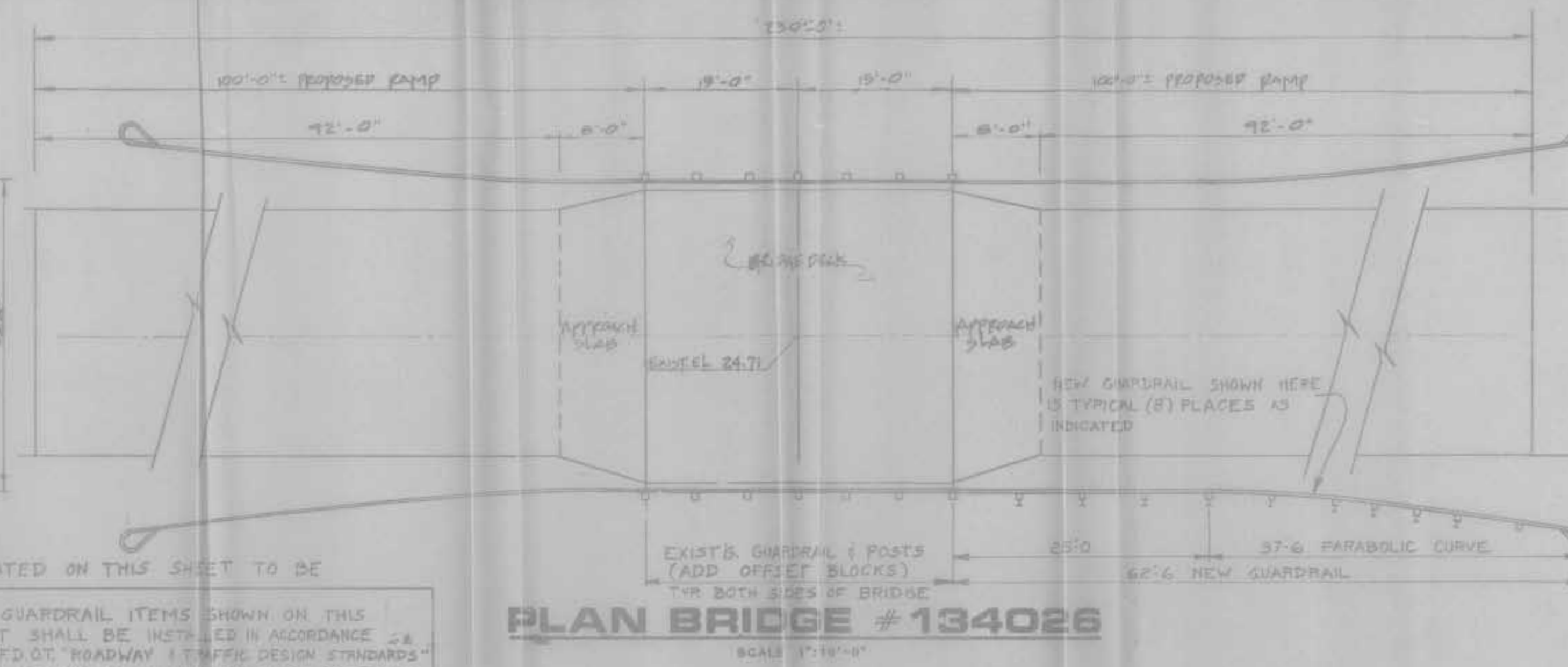
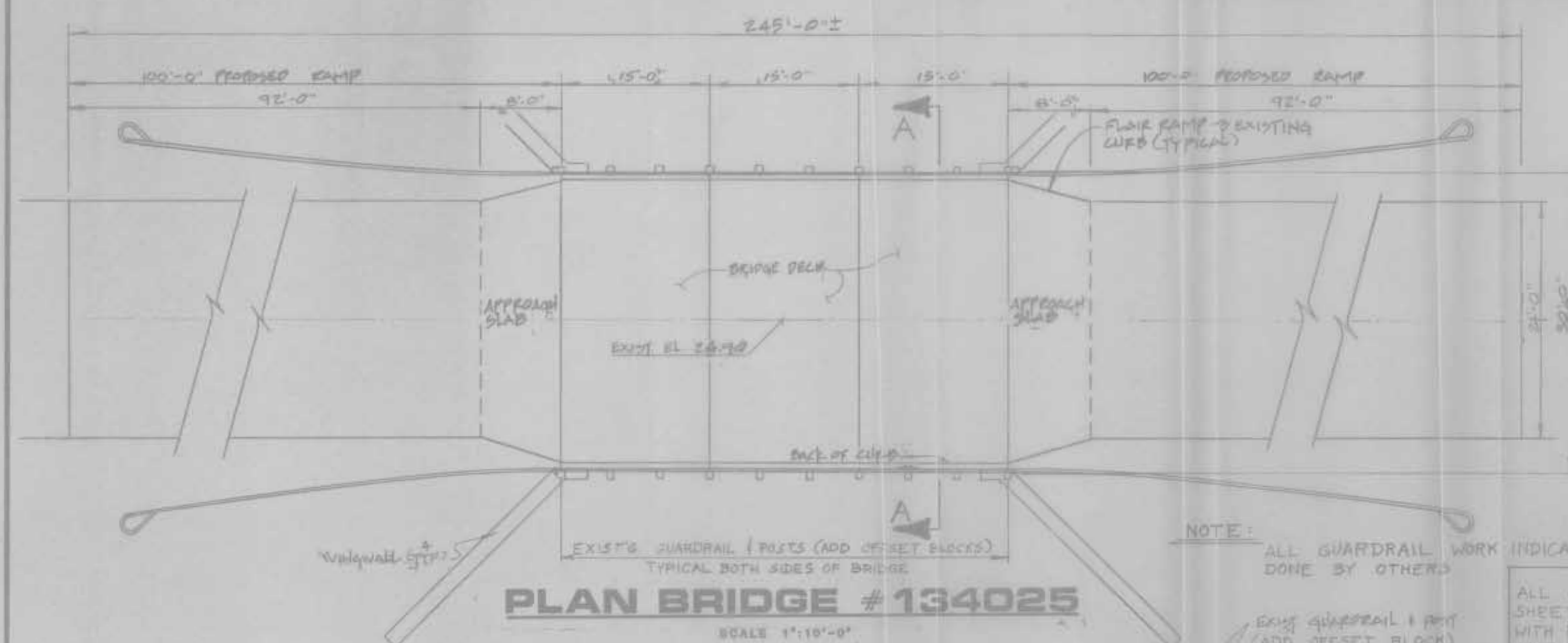
DATE

6/1/00
R. G. Callis
#134025



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

RYE ROAD BRIDGES
OVER MILL CREEK
STRUCTURAL REHABILITATION

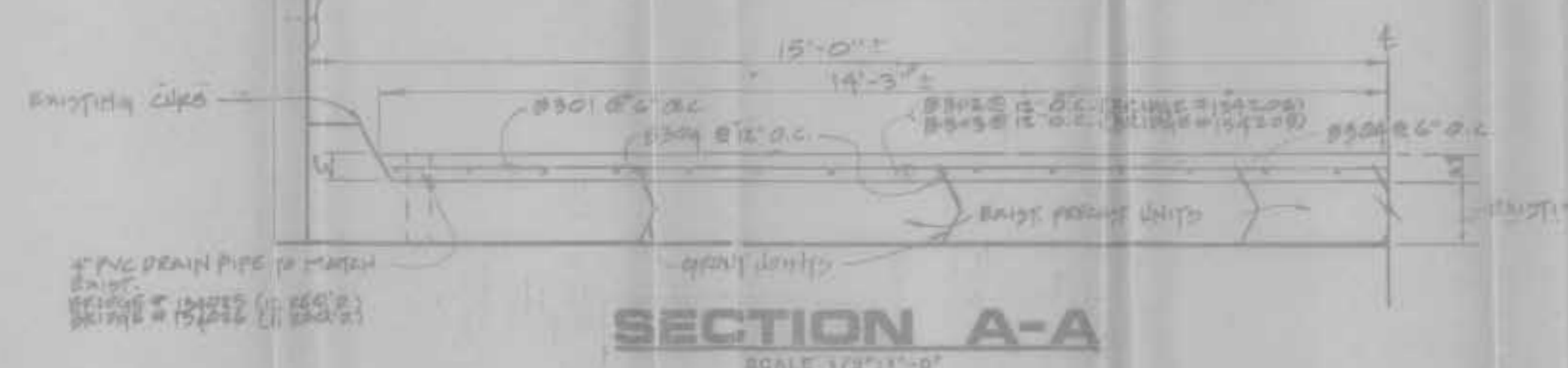


REINFORCING STEEL

MARK	QTY.	SIZE	LENGTH	REMARKS
B301	91	#3	28'-2"	STRAIGHT
B303	29	#3	44'-8"	STRAIGHT
B304	450	#3	1'-8"	SEE DIAGRAM

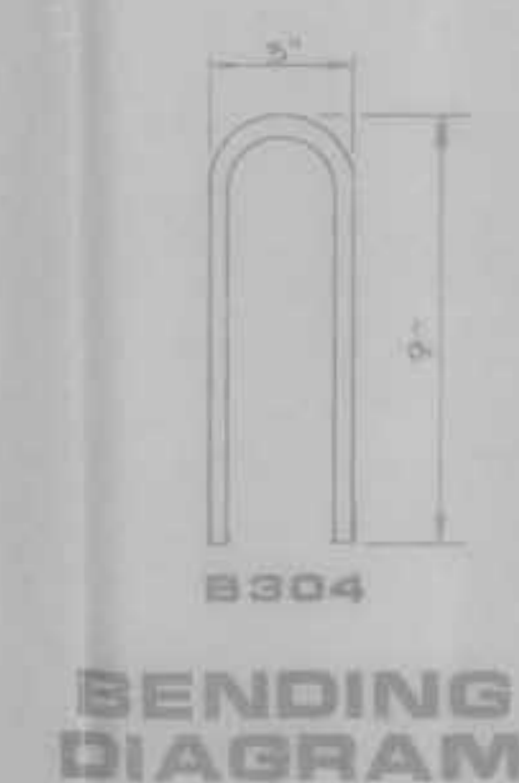
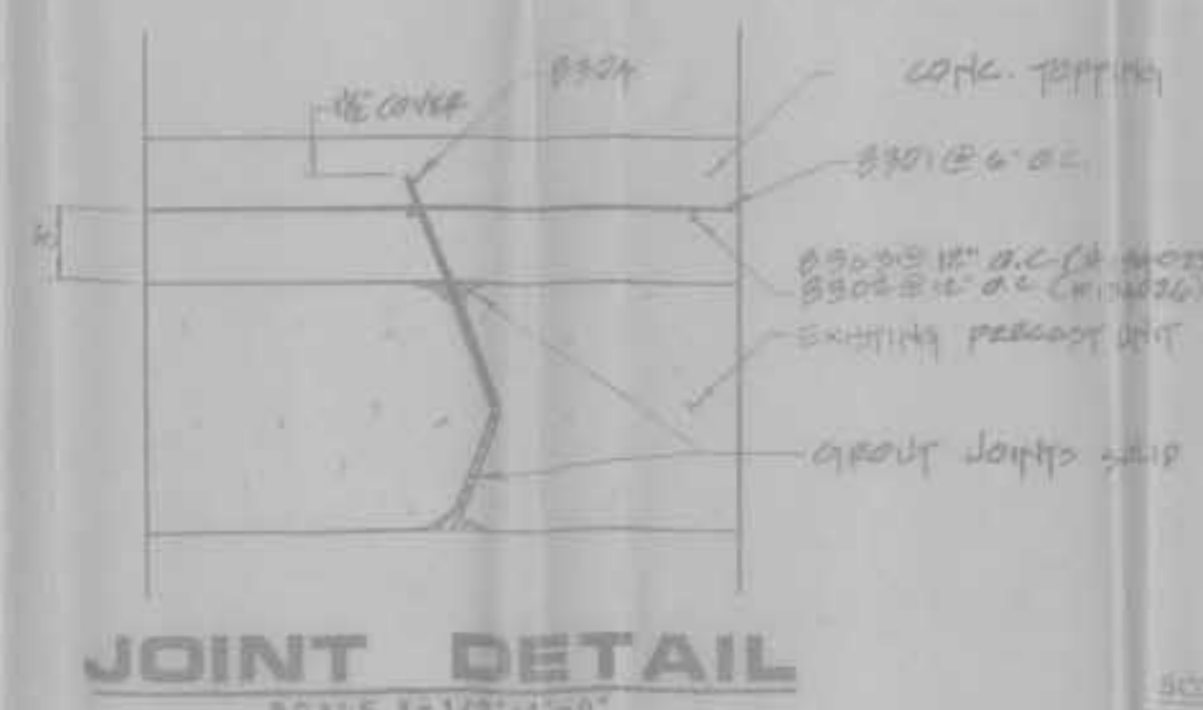
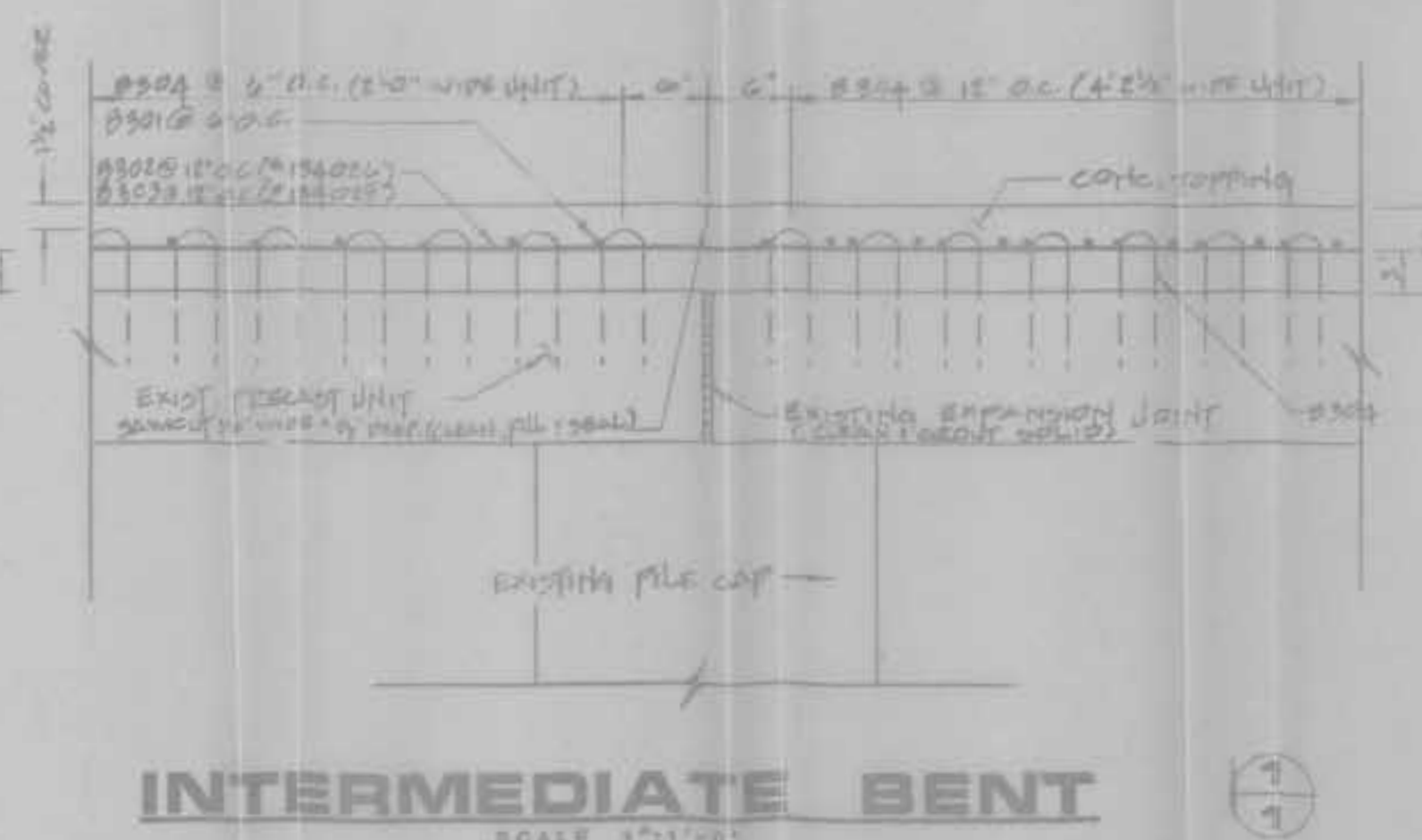
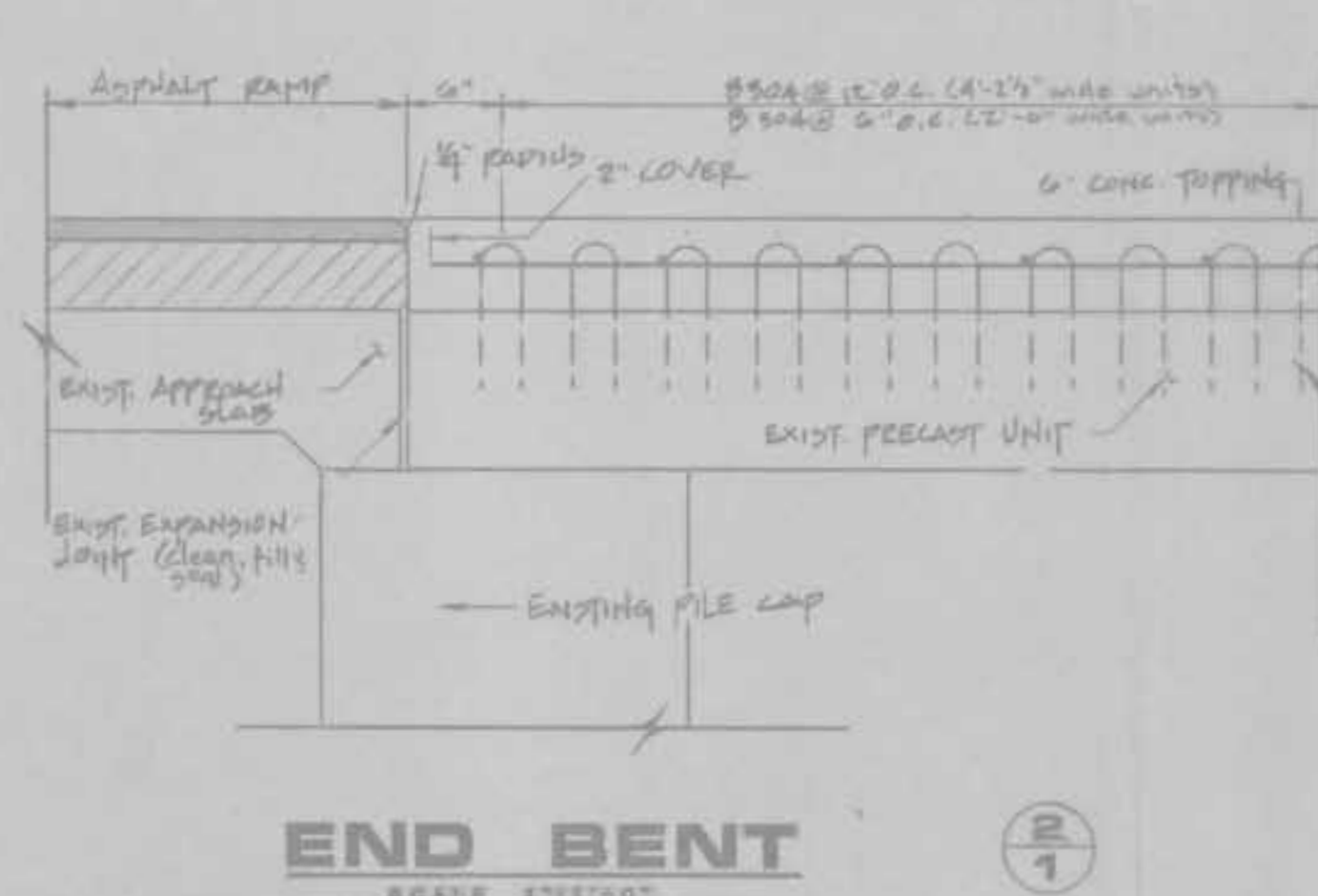
NOTE: ALL GUARDRAIL WORK INDICATED ON THIS SHEET TO BE DONE BY OTHERS.

ALL GUARDRAIL ITEMS SHOWN ON THIS SHEET SHALL BE INSTALLED IN ACCORDANCE WITH FD.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS INDEX NO. 400 FOR UNDIVIDED ROADWAYS, 1982 EDITION.



REINFORCING STEEL

MARK	QTY.	SIZE	LENGTH	REMARKS
B301	61	#3	28'-2"	STRAIGHT
B302	29	#3	29'-6"	STRAIGHT
B304	300	#3	1'-8"	SEE DIAGRAM



DESIGN CRITERIA

Florida Department of Transportation "Standard Specifications for Road and Bridge Construction", 1982 Edition.

Reinforcing Steel - Grade 60

Concrete Topping - Class IX, minimum 7 day strength of 4,000 psi. Mix design shall include a superplasticizer such as Rh-Build by Master Builders to provide a slump of 7 to 8 inches while maintaining a maximum water/cement ratio of 0.44. Topping shall include fiber reinforcing. Decks shall receive a medium broom finish.

SCOPE OF BRIDGE WORK:

Remove all loose, unbound and defective concrete and surface contaminants from the top of the bridge deck units and approach slabs. All existing expansion joints shall be cleaned and sealed or cleaned and grouted by shotcrete on the plans. Bridge deck units shall be cleaned of all dust or small pieces of concrete by flushing and scouring with fresh water, compressed air jets and sandblasting as required to assure removal of all particles and surface contaminants.

Reinforcing bars No. B304 shall be installed in the longitudinal deck joints at the locations and spacings shown on the plans. Where possible, these bars may be driven into the joints with hammers providing that sufficient care is taken to avoid damaging the bars or the deck units. Tight joints may require drilling to allow bar placement. After all bars have been placed, the joints shall be again flushed with fresh water and compressed air jets to remove all dust and pieces of concrete.

The longitudinal deck joints shall then be formed on the bottom and grouted solid. The grout shall be added to assure that no air pockets or voids are formed. After sufficient curing time for the grout, all reinforcing shall be placed as shown on the plans. Longitudinal reinforcing shall be spliced with a minimum lap length of 18 inches. The ends of the bridge shall then be formed.

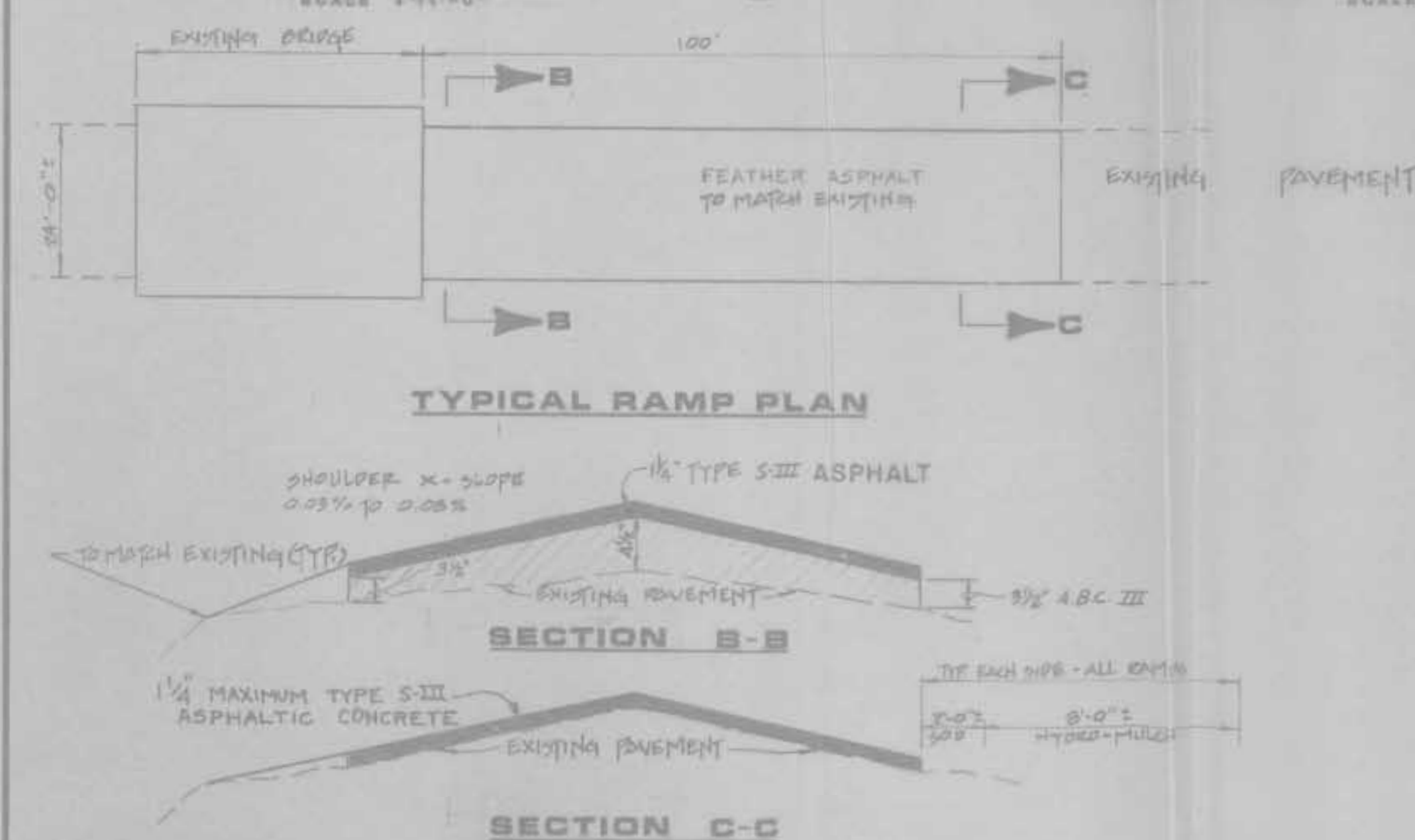
Prior to pouring the topping, the bridge deck surface and reinforcing shall be covered with an epoxy bonding compound. The concrete topping mix shall include fiber reinforcement.

After finishing, the topping will be cured according to Section 400-16 of the Standard Specifications. Minimum curing time shall be 3 days.

The following list contains acceptable proprietary products for use on this project:

- BONDING COMPOUND - "Sikadur 32 RI-MOD", as manufactured by Sika.
- GROUT - "Five Star Special Grout 100", as manufactured by U.S. Grout Corporation.
- FIBER REINFORCEMENT - "Fibermesh", as manufactured by Fibermesh, Inc.

All proprietary products shall be stored, handled, mixed, placed and cured according to manufacturers specifications.



SECTION B-B

SECTION C-C

REVISION	DATE
BY	DATE
SURVEYED	
DESIGNED	EGC 6/88
DRAWN	MO 05/87
CHECKED	EGC 3/88
FILE NO.	
PROJECT NO.	319-7148-541
HORIZONTAL SCALE:	AS NOTED
SEAL	
SHEET	2 OF 2

GENERAL NOTES

1.

ALL STATIONS AND OFFSETS REFER TO THE BASELINE OF SURVEY UNLESS OTHERWISE NOTED.

2.

THE CONTRACTOR SHALL FIELD VERIFY ANY AND ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION, AND SHALL NOTIFY THE COUNTY PROMPTLY OF ANY DISCREPANCIES.

3.

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.

4.

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.

5.

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.

6.

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.

7.

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.

8.

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.

9.

ALL EXISTING DRAINAGE STRUCTURES, UNDERDRAIN SYSTEMS, DITCHES, AND PONDS, ARE TO REMAIN UNLESS OTHERWISE NOTED.

10.

ALL EMBANKMENT MATERIALS SHALL BE CLASSIFICATION A-3, REFER TO FDOT INDEX NO. 505. ALL COSTS SHALL BE INCLUDED IN PAY ITEM 120-6.

11.

BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT.

12.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

13.

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.

14.

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.

15.

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.

16.

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.

17.

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.

18.

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.

19.

DRIVEWAY LOCATION AND WIDTH MAY BE FIELD ADJUSTED DURING CONSTRUCTION BY THE CONTRACTOR IN COORDINATION WITH REQUESTS FROM PROPERTY OWNERS.

20.

THE COMBINED SCALE FACTOR FROM THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 TO NORTH AMERICAN DATUM OF 1983 IS 1.000438695.

21.

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

22.

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.

23.

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.

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.

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.

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

FLORIDA

MANATEE COUNTY

PUBLIC WORKS

DESIGN ENGINEER

JASON L. STARR

FL. LICENSE NO.

70171

SHEET NO.

2

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

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

FLORIDA

MANATEE COUNTY

PUBLIC WORKS

DESIGN ENGINEER

JASON L. STARR

FL. LICENSE NO.

70171

SHEET NO.

2


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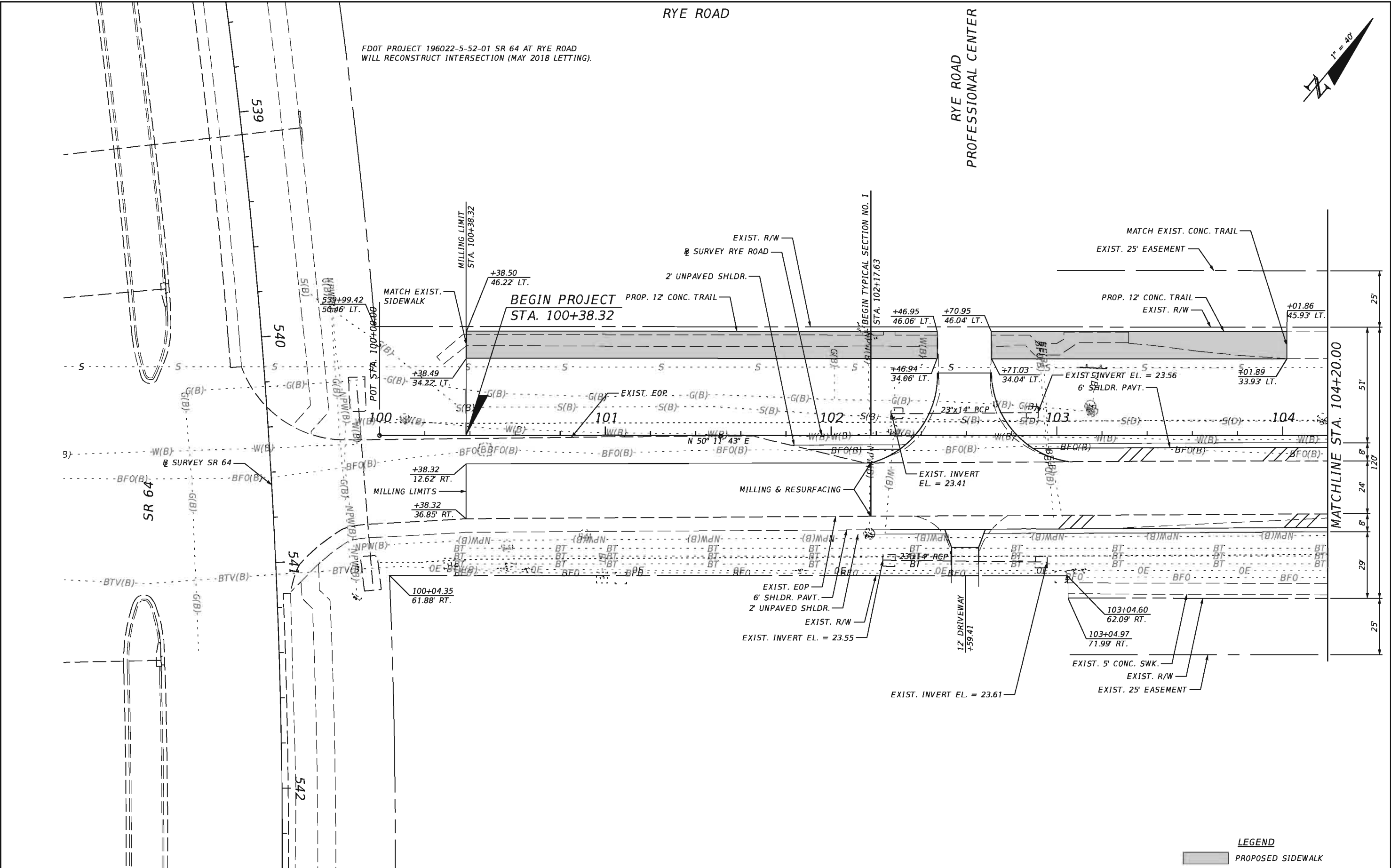
5/30/2018

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SUMMARY OF PAY ITEMS			
ITEM NO.	ITEM	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-60**	WORK ZONE SIGN	ED	189,750
102-71-14	TEMPORARY BARRIER, F&I, TYPE K	LF	287.5
102-74-1**	CHANNELIZING DEVICE - TYPES I, II, DI, VP, DRUM, OR LCD	ED	13,800
104-10-3	SEDIMENT BARRIER	LF	29,100
104-11	FLOATING TURBIDITY BARRIER	LF	850
110-1-1	CLEARING AND GRUBBING (12.2 AC) *	LS	1
110-7-1	MAIL BOX (F&I) (SINGLE)	EA	16
120-1	REGULAR EXCAVATION	CY	7,955
120-6	EMBANKMENT	CY	2,250
160-4	TYPE B STABILIZATION	SY	32,585
285-701	OPTIONAL BASE (BASE GROUP 01)	SY	18,386
285-703	OPTIONAL BASE (BASE GROUP 03)	SY	4,740
285-709	OPTIONAL BASE (BASE GROUP 09)	SY	8,648
327-70-6	MILLING EXIST. ASPH. PAVT., 1 1/2" AVG. DEPTH	SY	9,040
334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	TN	1,818
337-7-83	ASPHALT FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22, PMA	TN	3,921
339-1	MISCELLANEOUS ASPHALT	TN	52.0
400-0-11	CONCRETE CLASS NS, GRAVITY WALL	CY	80
400-1-2	CONCRETE CLASS I, ENDWALLS	CY	29.2
400-4-5	CONCRETE CLASS IV, SUBSTRUCTURE	CY	31.7
415-1-5	REINFORCING STEEL - SUBSTRUCTURE	LB	3,012
430-174-215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15" SD (RCP)	LF	130
430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" SD (RCP)	LF	111
430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" CD (RCP)	LF	6
430-175-230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30" CD (RCP)	LF	41
430-984-623	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 15" SD (RCP)	EA	8
430-984-629	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 24" SD (RCP)	EA	4
515-1-2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	508
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	100
522-1	CONCRETE SIDEWALK & DRIVEWAYS, 4" THICK	SY	6,588
522-2	CONCRETE SIDEWALK & DRIVEWAYS, 6" THICK	SY	1,316
527-2	DETECTABLE WARNINGS	SF	142
530-3-4	RIPRAP-RUBBLE, DITCH LINING	TN	43.4
536-1-1	GUARDRAIL - ROADWAY	LF	1,843.75
536-5-1	GUARDRAIL - SHOP BENT PANELS	LF	37.5
536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY - PARALLEL	EA	11
536-85-26	GUARDRAIL END ANCHORAGE ASSEMBLY - TYPE CRT	EA	3
570-1-2	PERFORMANCE TURF (SOD)	SY	23,150
710-11-101	PAINTED PAVEMENT MARKINGS, STD., WHITE, SOLID, 6"	GM	11.756
710-11-201	PAINTED PAVEMENT MARKINGS, STD., YELLOW, SOLID, 6"	GM	13.112
ADJ 1	FIRE HYDRANT ASSEMBLY RELOCATION	AS	4
ADJ 2	WATER MAIN VALVE ADJUSTMENT	EA	24
ADJ 3	PULL BOX ADJUSTMENT	EA	9
PB 1	PEDESTRIAN BRIDGE	EA	2
700-1-11	SINGLE POST SIGN (F&I, GROUND MOUNT, UP TO 12 SF)	AS	53
700-1-50	SINGLE POST SIGN, RELOCATE	AS	17
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	971
711-11-123	THERMOPLASTIC, STD., WHITE, SOLID, 12"	LF	91
711-11-125	THERMOPLASTIC, STD., WHITE, SOLID, 24"	LF	137
711-11-151	THERMOPLASTIC, STD., WHITE, 6-10 GAP EXTENSION, 6"	LF	228
711-11-160	THERMOPLASTIC, STD., WHITE, MESSAGE	EA	6
711-11-170	THERMOPLASTIC, STD., WHITE, ARROW	EA	36
711-11-224	THERMOPLASTIC, STD., YELLOW, SOLID, 18"	LF	1,170
711-16-101	THERMOPLASTIC, STD., OTHER SURFACES, WHITE, SOLID, 6"	GM	5.941
711-16-201	THERMOPLASTIC, STD., OTHER SURFACES, YELLOW, SOLID, 6"	GM	5.813
711-16-231	THERMOPLASTIC, STD., OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	GM	1.100

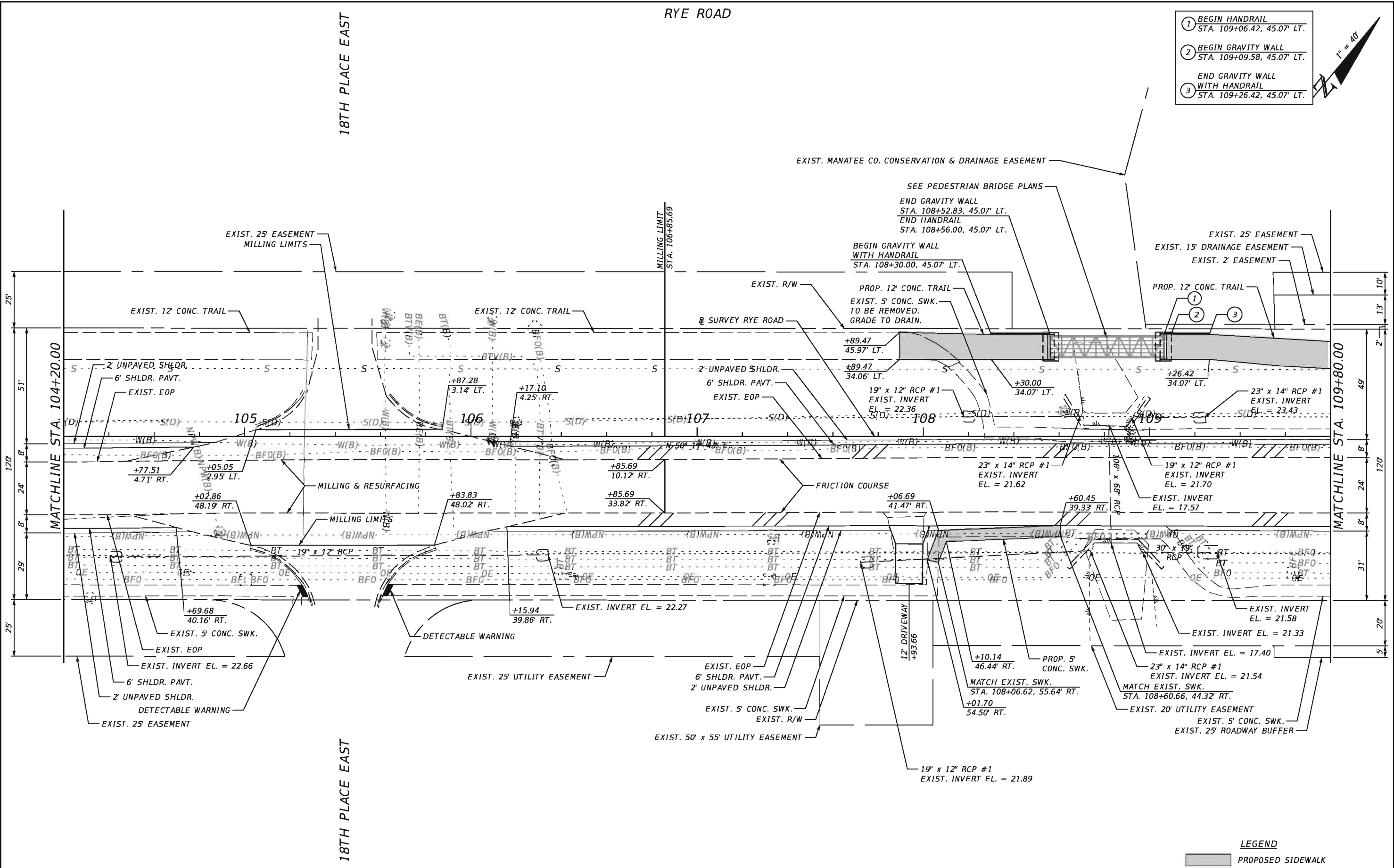
** MAINTENANCE OF TRAFFIC ED ITEMS ASSUME 150 DAYS FOR PHASE 1 AND 150 DAYS FOR PHASE 2.

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	SUMMARY OF PAY ITEMS	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		JASON L. STARR		6
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.		FL. LICENSE NO.		
No.	REVISIONS	DATE	BY	CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213	6086160		70171		



LEGEND
PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE		MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	<i>ROADWAY PLAN (1)</i>	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		9		
No.	REVISIONS			DATE	BY									




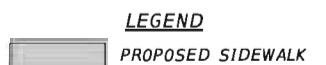

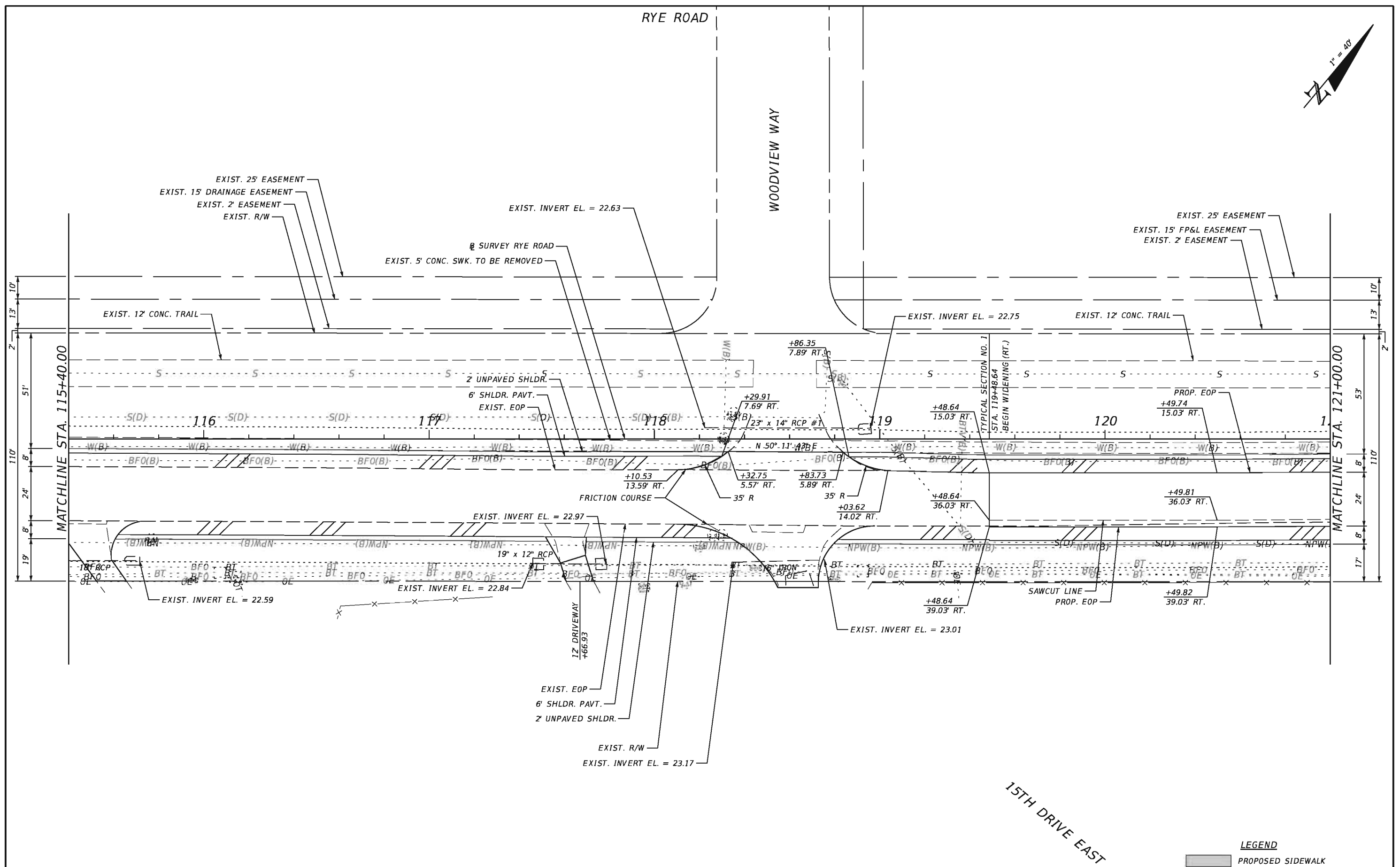

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (2)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		JASON L. STARR		
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.		FL. LICENSE NO.		
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION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

Diagram illustrating a roof pitch of 40°. The angle is labeled as 40°. A right triangle is shown with a vertical side of 1 unit and a horizontal side of 12 units, representing a 1:12 pitch.

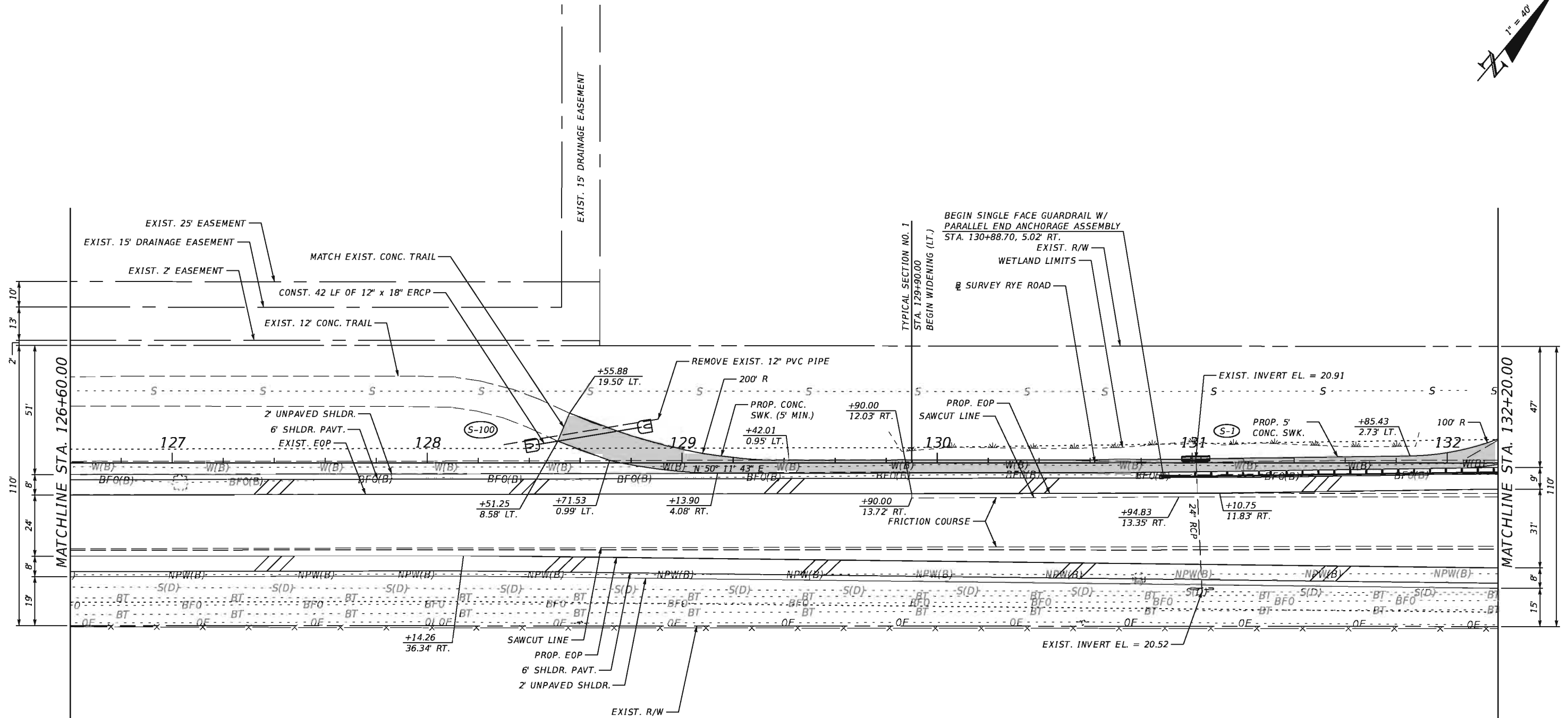
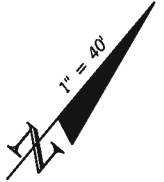


				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (3)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.			11
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE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



				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (A)	SHEET NO.	
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017		JASON L. STARR			12
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.		FL. LICENSE NO.			
No.	REVISIONS	DATE	BY	CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213	6086160		70171			


RYE ROAD



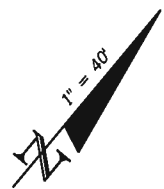
- (S-1)
STA. 131+01.44, 1.54' LT.
CONST. STRAIGHT CONCRETE ENDWALL
INDEX NO. 250
FL. 20.9
- (S-100)
STA. 128+41.61, 6.99' LT.
STA. 128+84.97, 14.14' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 22.2 (BK.)
FL. 21.8 (AH.)

LEGEND

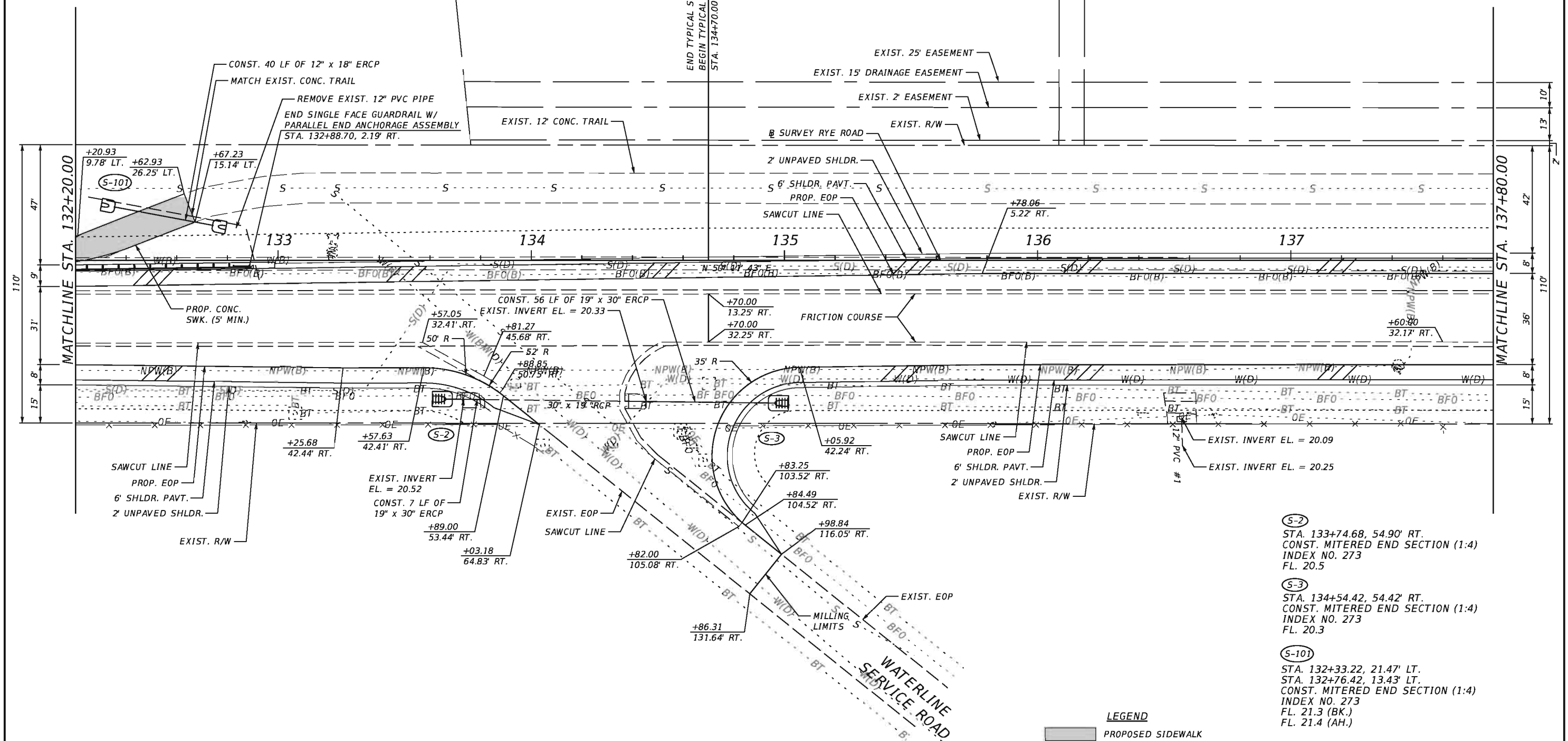
PROPOSED SIDEWALK

				SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR	ROADWAY PLAN (6)	SHEET NO.
				DESIGNED BY JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6086160		FL. LICENSE NO. 70171		14
				DRAWN BY JHC	SARASOTA, FLORIDA 34232					
				CHECKED BY JLS	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY							

RYE ROAD




END TYPICAL SECTION NO. 1
BEGIN TYPICAL SECTION NO. 2
STA. 134+70.00

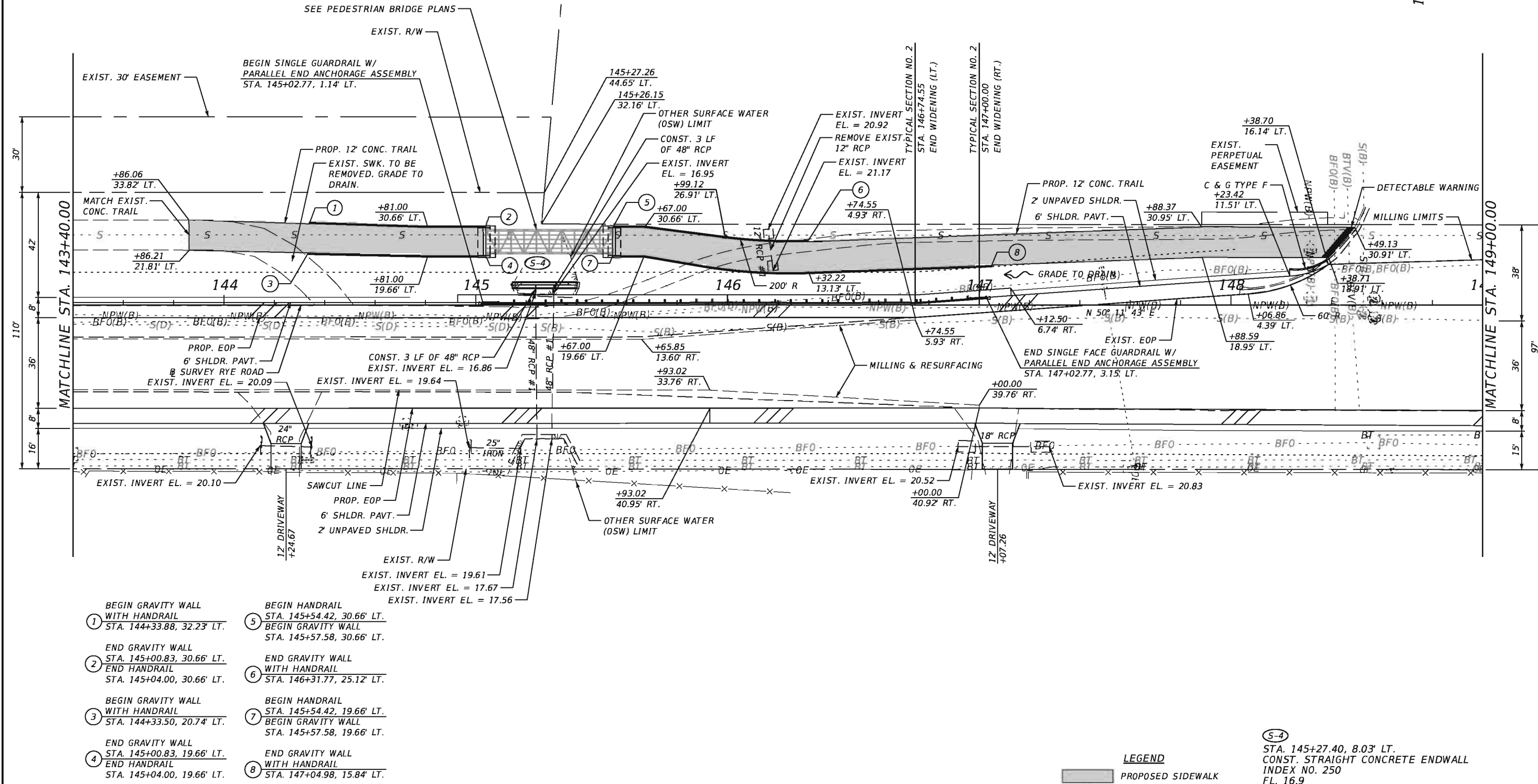
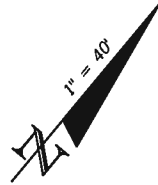


- (S-2)
STA. 133+74.68, 54.90' RT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 20.5
- (S-3)
STA. 134+54.42, 54.42' RT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 20.3
- (S-101)
STA. 132+33.22, 21.47' LT.
STA. 132+76.42, 13.43' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 21.3 (BK.)
FL. 21.4 (AH.)

LEGEND

PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (7)	SHEET NO. 15
				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		
No.	REVISIONS			DATE	BY						



- 1

BEGIN GRAVITY WALL WITH HANDRAIL
STA. 144+33.88, 32.23' LT.
- 2

END GRAVITY WALL WITH HANDRAIL
STA. 145+04.00, 30.66' LT.
- 3

BEGIN GRAVITY WALL WITH HANDRAIL
STA. 144+33.50, 20.74' LT.
- 4

END GRAVITY WALL WITH HANDRAIL
STA. 145+00.83, 19.66' LT.
- 5

BEGIN HANDRAIL
STA. 145+54.42, 30.66' LT.
- 6


END GRAVITY WALL WITH HANDRAIL
STA. 146+31.77, 25.12' LT.
- 7

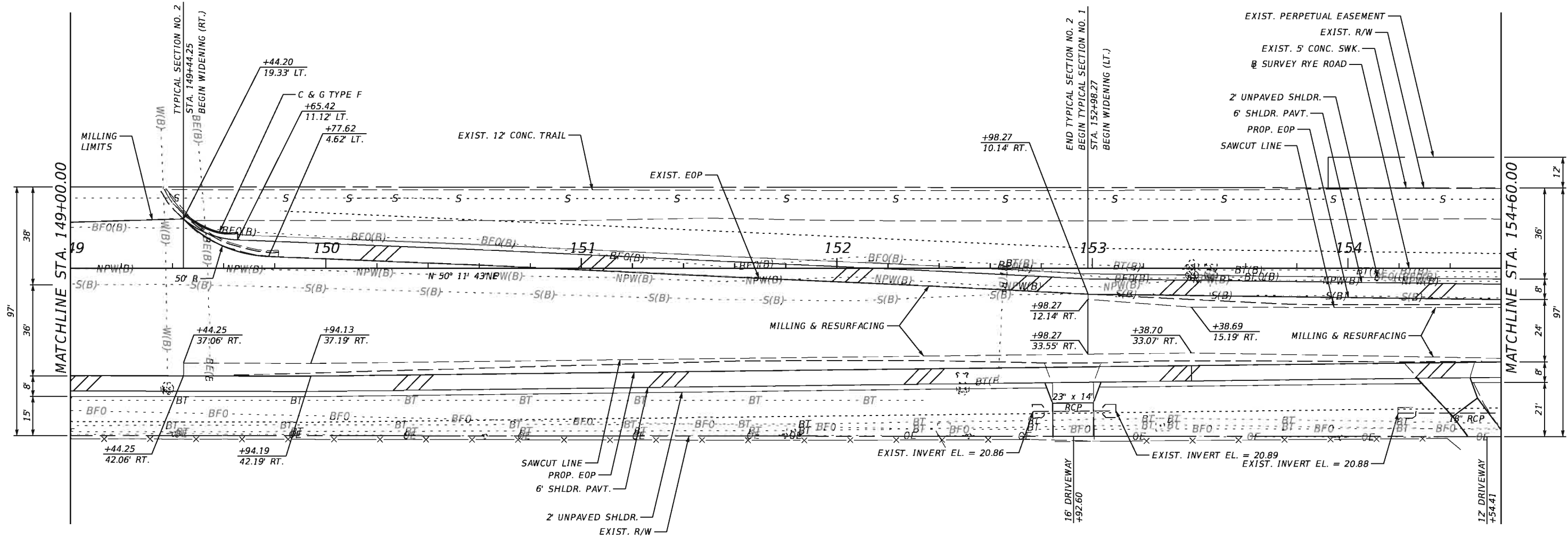
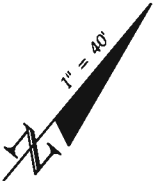
BEGIN HANDRAIL
STA. 145+54.42, 19.66' LT.
- 8

END GRAVITY WALL WITH HANDRAIL
STA. 147+04.98, 15.84' LT.

LEGEND
PROPOSED SIDEWALK


S-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		MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (9)	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		17
No.	REVISIONS		DATE	BY								

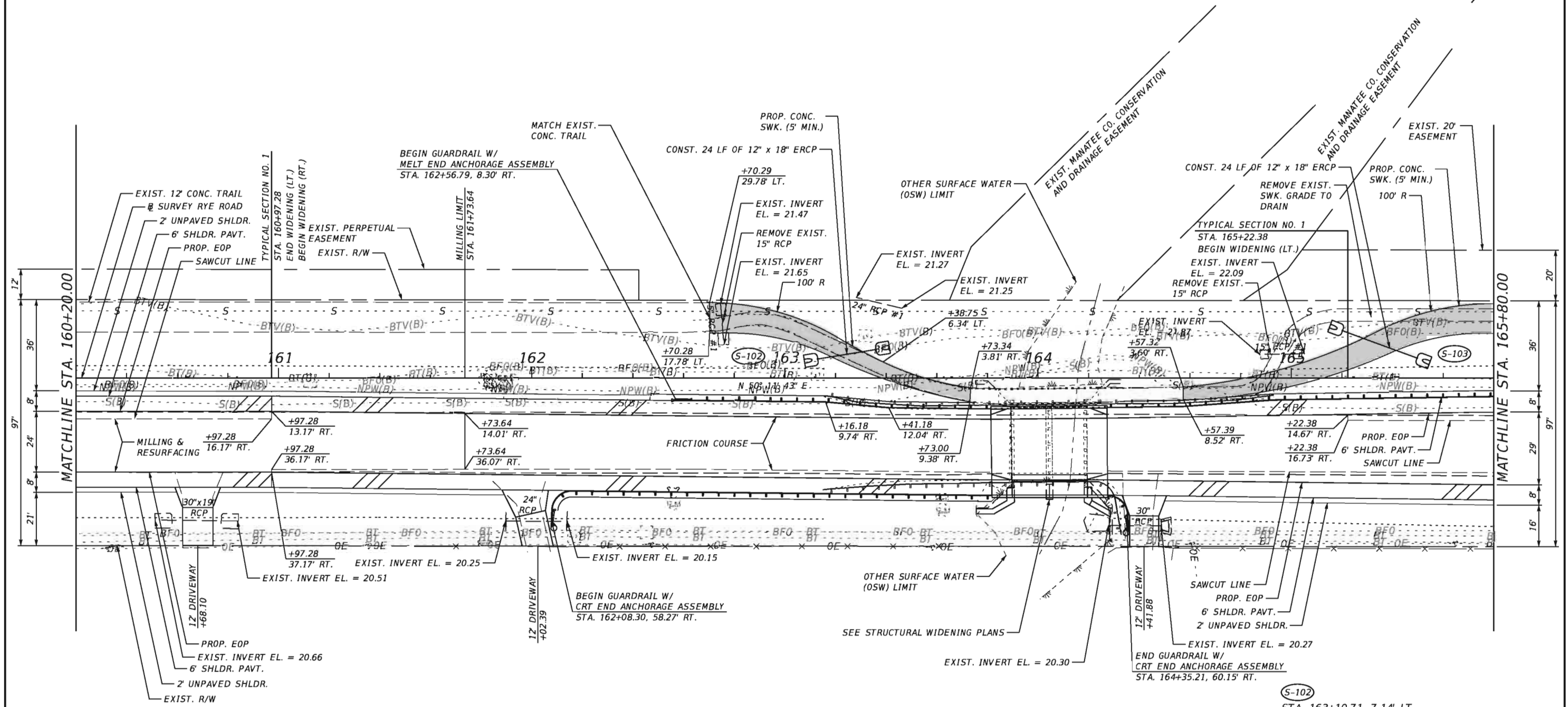


LEGEND

PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (10)	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		18
No.	REVISIONS	DATE	BY								

RYE ROAD




S-102
STA. 163+10.71, 7.14' LT.
STA. 163+38.28, 11.69' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 21.6 (BK.)
FL. 21.4 (AH.)

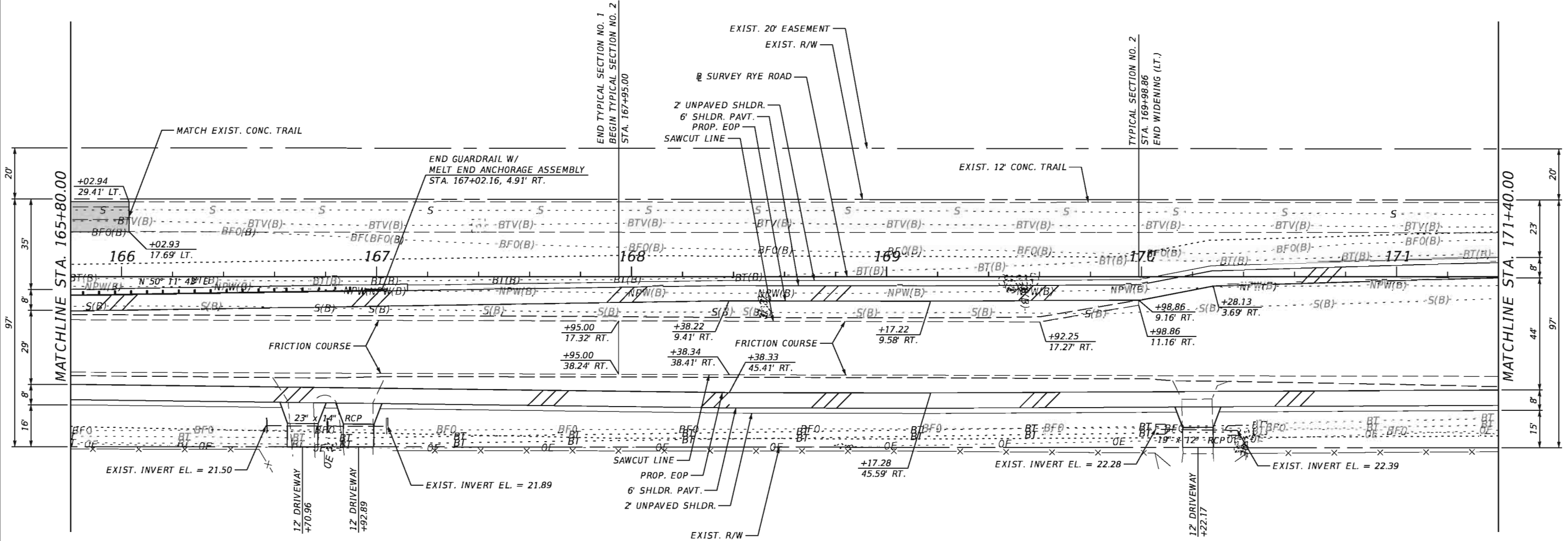
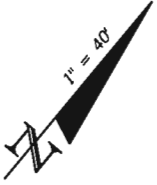
S-103
STA. 165+18.09, 19.50' LT.
STA. 165+51.83, 7.09' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 21.8 (BK.)
FL. 22.0 (AH.)

LEGEND


PROPOSED SIDEWALK


				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (12)	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								

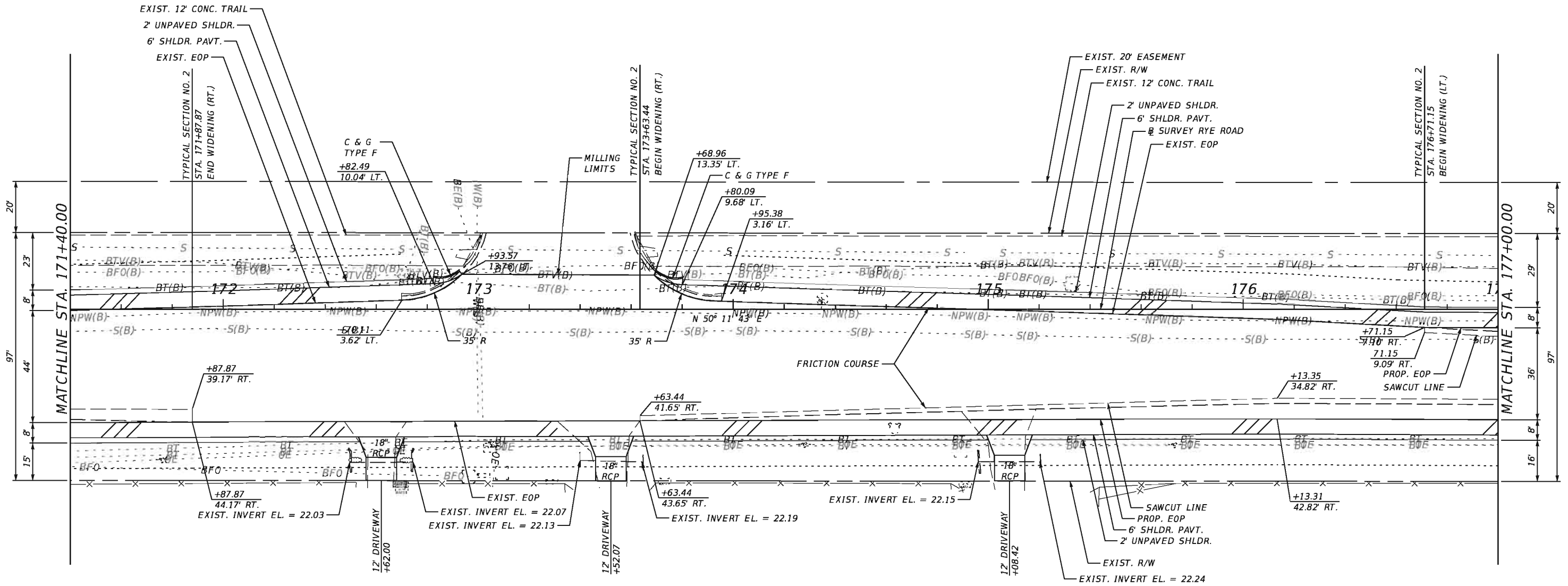
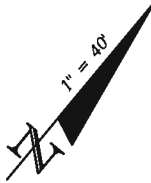
RYE ROAD



LEGEND


 PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (13)	SHEET NO. 21
				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		
No.	REVISIONS	DATE	BY								

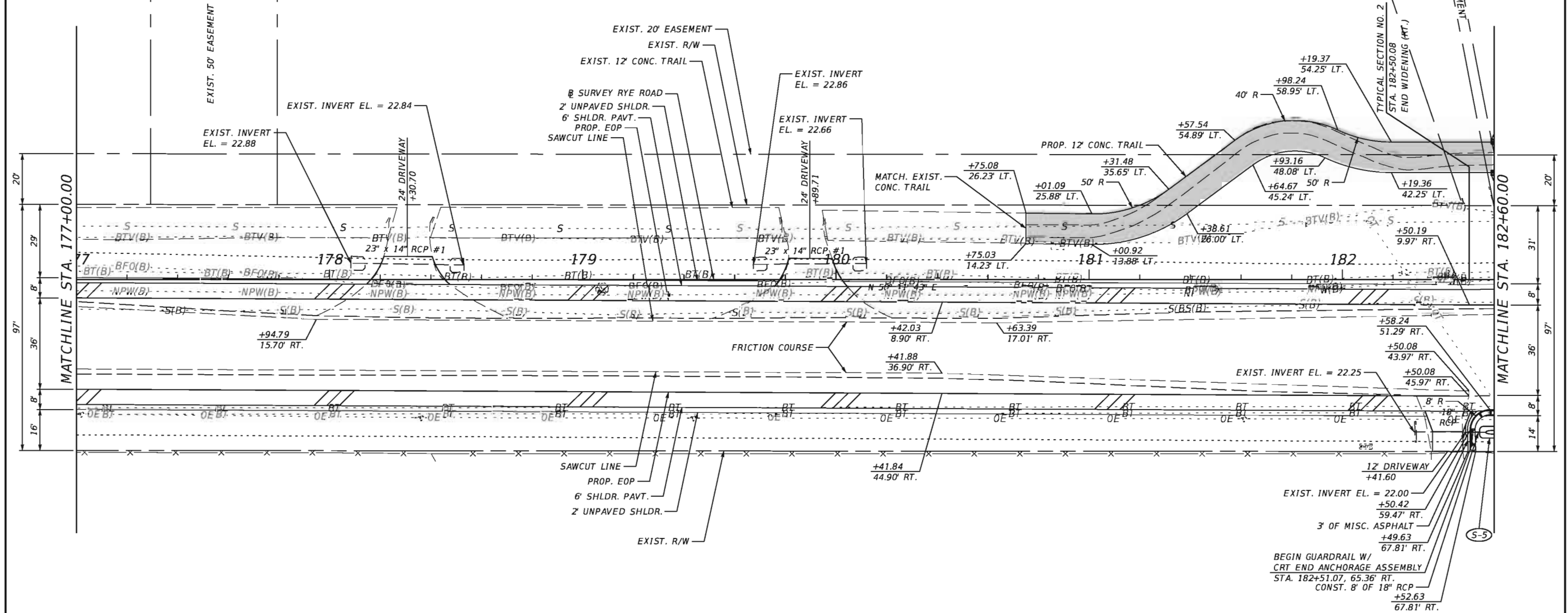


LEGEND


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.				FL. LICENSE NO.					
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	6086160									
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213										
No.	REVISIONS			DATE	BY											

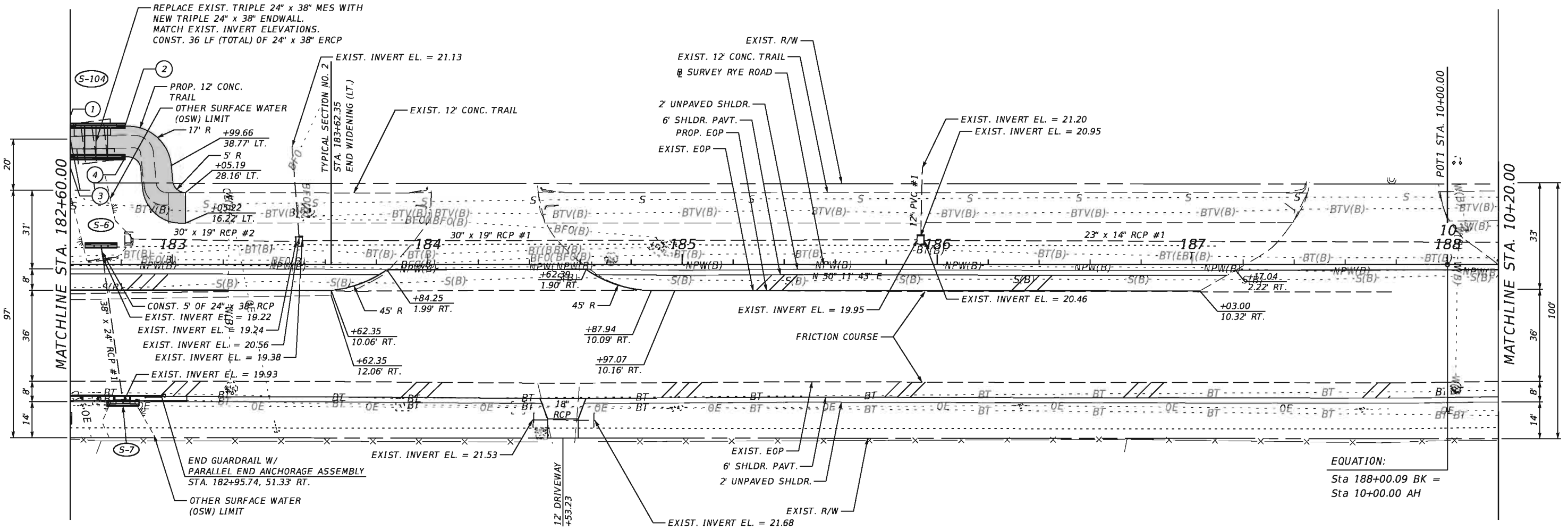
RYE ROAD



(S-5)
STA. 182+56.61, 60.21' RT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 22.0

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE		MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (15)	SHEET NO.	
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	09/2017			JASON L. STARR			FL. LICENSE NO.
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232	PROJECT NO.						
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213	6086160						
No.	REVISIONS			DATE	BY								

GENE WITT
ELEMENTARY
SCHOOL



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.

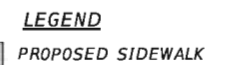
4 END HANDRAIL
STA. 182+81.55, 41.87' LT.


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

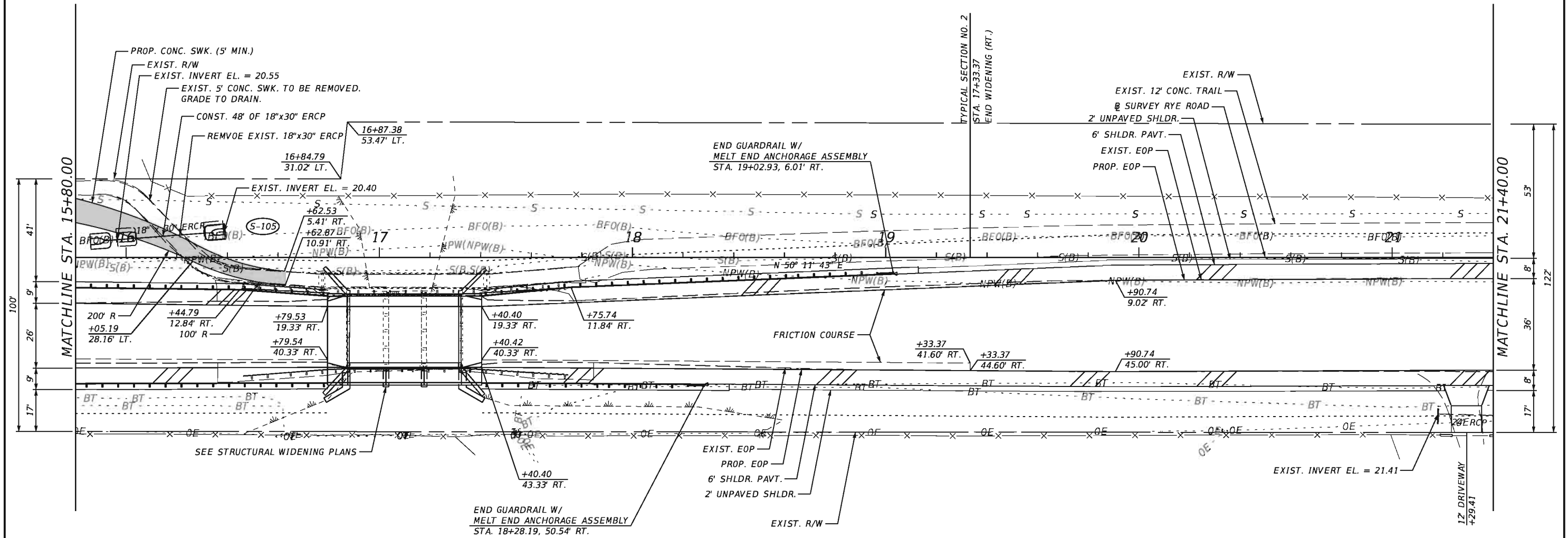
LEGEND
PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE		DESIGN ENGINEER	ROADWAY PLAN (16)	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	24	
No.	REVISIONS	DATE	BY								

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




				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	09/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	JASON L. STARR	ROADWAY PLAN (17)	SHEET NO.
				DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6086160		FL. LICENSE NO.	70171		25
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232							
				CHECKED BY	JLS	CERTIFICATE OF AUTHORIZATION 4213							
No.	REVISIONS			DATE	BY								

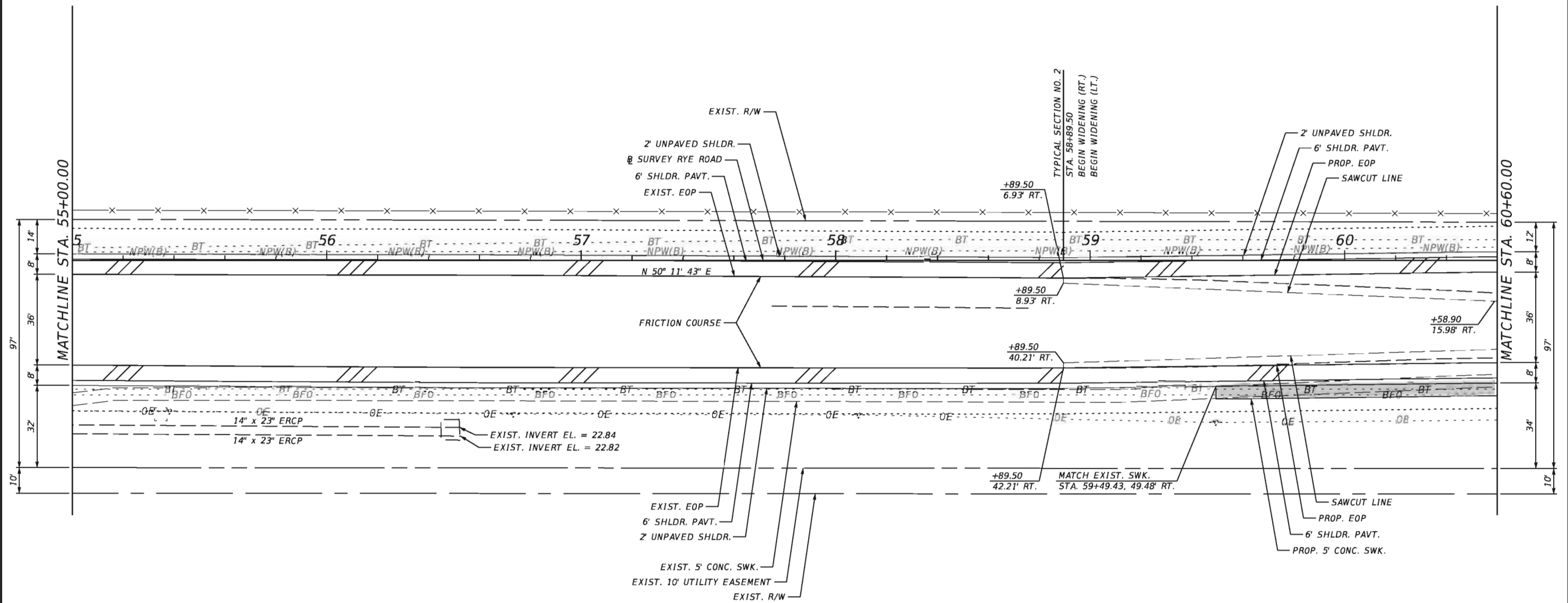


S-105
STA. 15+91.26, 6.63' LT.
STA. 16+33.78, 9.82' LT.
CONST. MITERED END SECTION (1:4)
INDEX NO. 273
FL. 20.6 (BK.)
FL. 20.4 (AH.)


LEGEND
PROPOSED SIDEWALK


				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	ROADWAY PLAN (18)	SHEET NO. 26
				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		
No.	REVISIONS			DATE	BY						

RYE ROAD

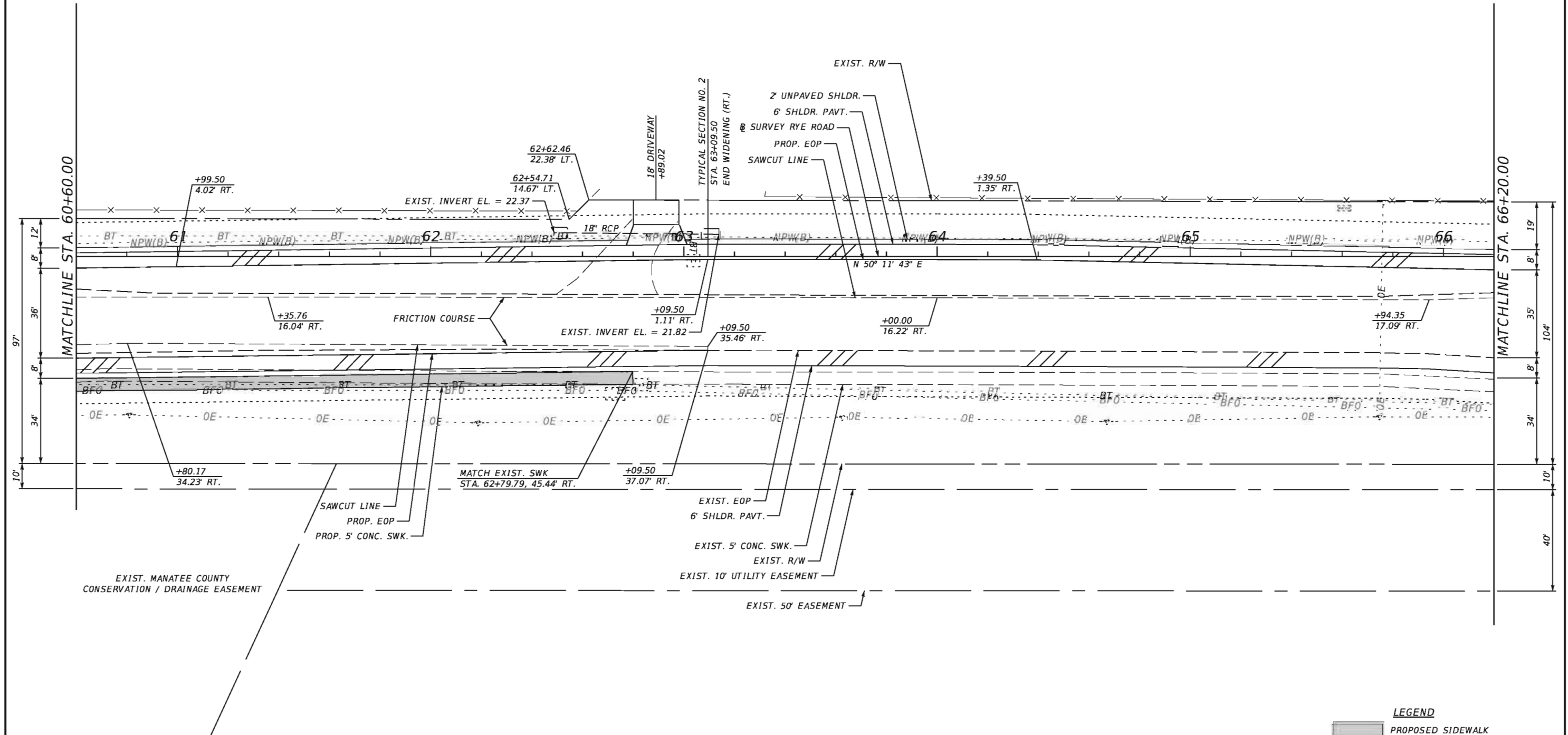
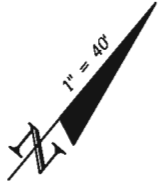


LEGEND


 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							

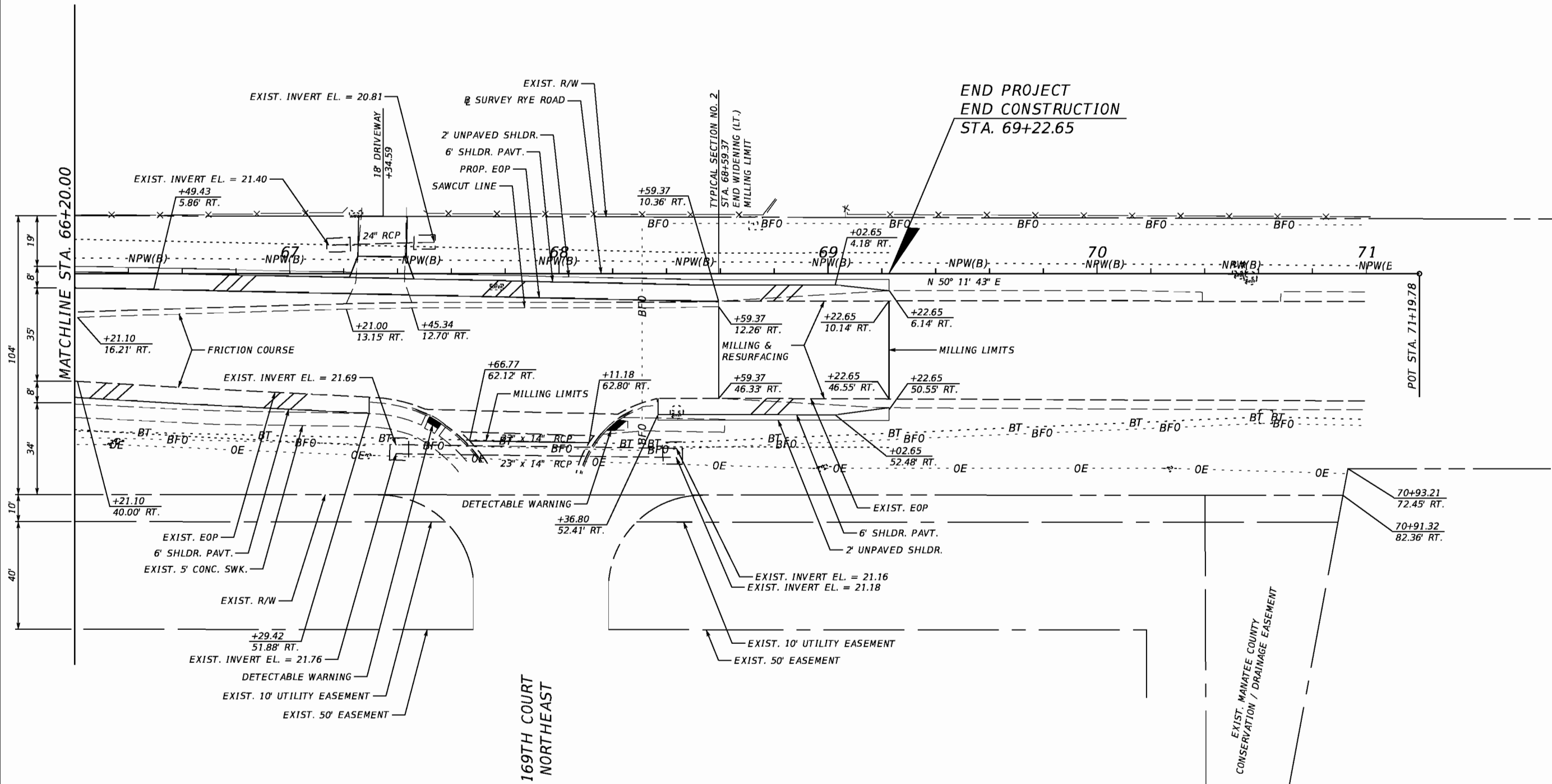
RYE ROAD




LEGEND

 PROPOSED SIDEWALK

				SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE		DESIGN ENGINEER	MANATEE COUNTY PUBLIC WORKS	ROADWAY PLAN (26)	SHEET NO. 34
				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			
No.	REVISIONS		DATE	BY								



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

GENERAL NOTES

DESIGN SPECIFICATIONS:

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), LRFD BRIDGE DESIGN SPECIFICATIONS, 7th EDITION WITH 2016 INTERIMS.
AASHTO LRFD, GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION WITH 2015 INTERIMS.
THE ALUMINUM ASSOCIATION, SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES, LATEST EDITION

DESIGN METHODOLOGY:

LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD) USING STRENGTH, SERVICE AND FATIGUE LIMIT STATES.

DESIGN LOADING:

LIVE LOAD
DESIGN TRUCK
PEDESTRIAN LOADING (PEDESTRIAN BRIDGE) = 2,500 LB UTILITY VEHICLE
= 90 PSF
DEAD LOADS:
REINFORCED CONCRETE UNIT WEIGHT = 150 PCF

FOUNDATION:

THE FOUNDATION FOR THE CONCRETE SPREAD FOOTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 455 OF THE SPECIFICATIONS.

SOIL BELOW FOOTING IS TO HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2.025 KIPS/SQ. FT. FOR LEVEL GROUND, THE BOTTOM OF THE FOOTING SHALL BE A MINIMUM OF 33 INCHES BELOW ADJACENT COMPACTED GRADE ON ALL SIDES.

THE FOUNDATIONS HAVE BEEN DESIGNED USING THE FOLLOWING ESTIMATED TOTAL LOADS FROM THE PEDESTRIAN BRIDGE WITH APPLICABLE STRENGTH AND SERVICE LIMITS APPLIED.

UNFACTORED LOADS PER BRIDGE ($\gamma = 1.0$)
DEAD = 4,833 LBS
LIVE = 36,000 LBS (PEDESTRIAN LOADING)
HORIZONTAL WIND = 19,471 LBS
OVERTURNING WIND = 9,333 LBS

IF THE CONTRACTOR PROVIDES A PEDESTRIAN BRIDGE THAT EXCEEDS THESE LOADS, THEN THE CONTRACTOR MUST SUBMIT CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA TO THE COUNTY FOR REVIEW AND APPROVAL SHOWING THAT THE SPREAD FOOTING DIMENSIONS, REINFORCING STEEL SIZE, AND SPACING ARE ADEQUATE.

VERTICAL DATUM:

ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.

DIMENSIONS:

ALL DIMENSIONS IN THE PLANS ARE MEASURED IN FEET AND INCHES.

CONCRETE:

ALL CONCRETE FOUNDATIONS SHALL BE FDOT CLASS IV AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f'_c = 5500$ PSI

CONCRETE COVER:

CONCRETE COVER IS 4" UNLESS NOTED OTHERWISE IN THE PLAN SET AND DO NOT INCLUDE PLACEMENT AND FABRICATION TOLERANCES. SEE SECTION 415 OF THE SPECIFICATIONS FOR ALLOWABLE TOLERANCES.

JOINTS IN CONCRETE:

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT THE LOCATIONS INDICATED IN THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.

CHAMFERS:

PROVIDE $\frac{3}{4}$ " CHAMFER ON ALL EXPOSED SURFACES.

REINFORCING STEEL:

MATERIAL:
REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
PLACEMENT:
ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING ARE TO THE CENTERLINE OF BAR, EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO THE FACE OF CONCRETE.

ENVIRONMENT:

SUBSTRUCTURE - CONCRETE: MODERATELY AGGRESSIVE ($PH = 5.7$, RESISTIVITY = 1,800 OHM-CM)

PEDESTRIAN BRIDGE:

MATERIALS:
PRIMARY STRUCTURAL MEMBERS SHALL BE 6061-T6 ALUMINUM
SECONDARY STRUCTURAL MEMBERS SHALL BE 6000 SERIES ALUMINUM
BRIDGE DECKING SHALL BE ALUMINUM ALLOY 6061-T6 EXTRUDED

DEFLECTIONS REQUIREMENTS:

VERTICAL = $SPAN / 400$
HORIZONTAL = $SPAN / 500$

THE FUNDAMENTAL FREQUENCY OF THE UNLOADED PEDESTRIAN BRIDGE SHALL BE NO LESS THAN 3.0 HERTZ TO AVOID THE FIRST HARMONIC.

BRIDGE SHALL BE CAMBERED TO OFFSET THE DEAD LOAD.

DEPTH OF BRIDGE STRUCTURE FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD IS ASSUMED TO BE 1'-5½" MAXIMUM. BRIDGE SUPPLIER TO PROVIDE 1'-5½" MAX DEPTH FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD.

ANCHOR BOLTS:

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS THAT MEET PREFABRICATED BRIDGE SUPPLIER REQUIREMENTS.

COVER PLATES:

PROVIDE ADA COMPLIANT COVER PLATE SYSTEM AT BEGIN AND END BRIDGE LOCATIONS WHERE PEDESTRIANS TRANSITION BETWEEN SURFACES. THE COVER PLATE SHALL BE RUBBER ENCAPSULATED STEEL COVER SYSTEM TO AVOID CORROSION BETWEEN DISSIMILAR MATERIALS.

UTILITIES:

LOCATION AND TYPE OF UTILITIES SHOWN IN THE BRIDGE PLANS ARE APPROXIMATE. FOR UTILITY DISPOSITIONS AND ADDITIONAL INFORMATION, REFER TO THE UTILITY ADJUSTMENTS PLANS.

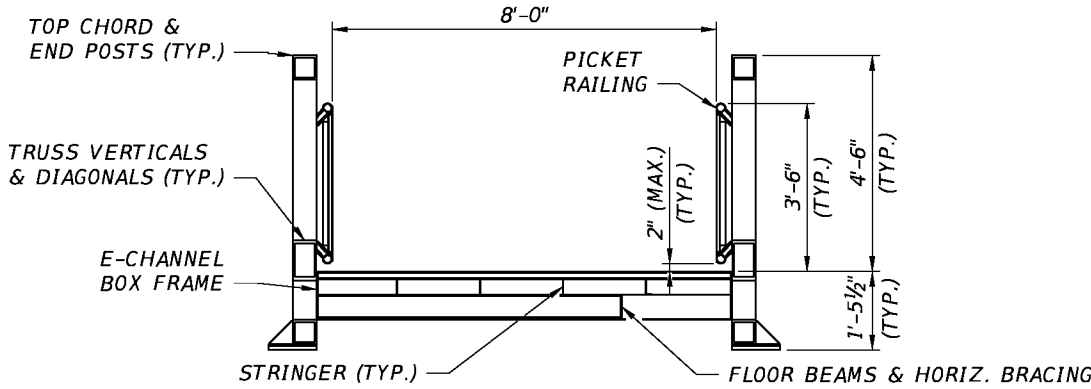
BID ITEM NOTES:

PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL PAY ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAY ITEMS.


NO SEPARATE PAYMENT WILL BE MADE FOR EXCAVATIONS FOR CONSTRUCTION OF FOOTINGS. ALL COSTS FOR EXCAVATION SHALL BE INCIDENTAL TO THE ELEMENT REQUIRING SUCH WORK.

THE COST OF THE COVER PLATES (4 TOTAL) SHALL BE INCLUDED WITH THE COST OF THE CLASS IV (SUBSTRUCTURE) CONCRETE, PAY ITEM 400-4-5.

ESTIMATED QUANTITIES					
ITEM	DESCRIPTION	UNIT	QUANTITY		
			LOC. 1	LOC. 2	TOTAL
400-4-5	CLASS IV (SUBSTRUCTURE)	C.Y.	15.82	15.82	31.64
415-1-5	REINFORCING STEEL (SUBSTRUCTURE)	LBS.	1506	1506	3012
530-3-4	RIPRAP-RUBBLE, DITCH LINING	TN.	20.76	22.62	43.38
PB 1	PEDESTRIAN BRIDGE	EA.	1	1	2



TYPICAL SECTION

				SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2017	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER CHESTER A. SMITH III	GENERAL NOTES	SHEET NO.
				DESIGNED BY JA	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 225338		FL. LICENSE NO.		P-2
				DRAWN BY DAR	SARASOTA, FLORIDA 34232			70756		
				CHECKED BY AT	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY							

BID FORM A
18-TA002764JP
Rye Road Functional Improvements
Project #6086160

BID "A" Based on Completion Time of 540 Calendar Days

ITEM #	FDOT ITEM	DESCRIPTION	QTY	U/M	BID PRICE PER UNIT	TOTAL BID PRICE
		ROADWAY ITEMS				
1	101-1	MOBILIZATION	1	LS		
2	102-1	MAINTENANCE OF TRAFFIC	1	LS		
3	102-60	WORK ZONE SIGN	189750	ED		
4	102-71-14	TEMPORARY BARRIER, F&I, TYPE K	287.5	LF		
5	102-74-1	CHANNELIZING DEVICE - TYPES I, II, DI, VP, DRUM, OR LCD	13800	ED		
6	104-10-3	SEDIMENT BARRIER	29100	LF		
7	104-11	FLOATING TURBIDITY BARRIER	850	LF		
8	110-1-1	CLEARING AND GRUBBING (12.2 AC)	1	LS		
9	110-7-1	MAIL BOX (F&I) (SINGLE)	16	EA		
10	120-1	REGULAR EXCAVATION	7955	CY		
11	120-6	EMBANKMENT	2250	CY		
12	160-4	TYPE B STABILIZATION	32585	SY		
13	285-701	OPTIONAL BASE (BASE GROUP 01)	18386	SY		
14	285-703	OPTIONAL BASE (BASE GROUP 03)	4740	SY		
15	285-709	OPTIONAL BASE (BASE GROUP 09)	8648	SY		
16	327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	9040	SY		
17	334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	1818	TN		
18	337-7-83	ASPHALT FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	3921	TN		
19	339-1	MISCELLANEOUS ASPHALT	52	TN		
20	400-0-11	CONCRETE CLASS NS, GRAVITY WALL	80	CY		
21	400-1-2	CONCRETE CLASS I, ENDWALLS	29.2	CY		
22	430-174-215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15" SD	130	LF		
23	430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" SD	111	LF		
24	430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" CD	6	LF		
25	430-175-230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30" CD	41	LF		
26	430-984-623	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 15" SD	8	EA		
27	430-984-629	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 24" SD	4	EA		
28	515-1-2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	508	LF		
29	520-1-10	CONCRETE CURB & GUTTER, TYPE F	100	LF		
30	522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	6588	SY		
31	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	1316	SY		
32	527-2	DETECTABLE WARNINGS	142	SF		
33	536-1-1	GUARDRAIL - ROADWAY	1843.8	LF		
34	536-5-1	GUARDRAIL - SHOP-BENT PANELS	37.5	LF		
35	536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY - PARALLEL	11	EA		
36	536-85-26	GUARDRAIL END ANCHORAGE ASSEMBLY - TYPE CRT	3	EA		
37	570-1-2	PERFORMANCE TURF (SOD)	23150	SY		
38	710-11-101	PAINTED PAVEMENT MARKINGS, STD., WHITE, SOLID, 6"	11.756	GM		
39	710-11-201	PAINTED PAVEMENT MARKINGS, STD., YELLOW, SOLID, 6"	13.112	GM		
		SIGNING AND PAVEMENT MARKING ITEMS				
40	700-1-11	SINGLE POST SIGN (F&I, GROUND MOUNT, UP TO 12 SF)	53	AS		
41	700-1-50	SINGLE POST SIGN, RELOCATE	17	AS		
42	706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	971	EA		
43	711-11-123	THERMOPLASTIC, STD., WHITE, SOLID, 12"	91	LF		
44	711-11-125	THERMOPLASTIC, STD., WHITE, SOLID, 24"	137	LF		
45	711-11-151	THERMOPLASTIC, STD., WHITE, 6-10 GAP EXTENSION, 6"	228	LF		
46	711-11-160	THERMOPLASTIC, STD., WHITE, MESSAGE	6	EA		
47	711-11-170	THERMOPLASTIC, STD., WHITE, ARROW	36	EA		
48	711-11-224	THERMOPLASTIC, STD., YELLOW, SOLID, 18"	1170	LF		
49	711-16-101	THERMOPLASTIC, STD. - OTHER SURFACES, WHITE, SOLID, 6"	5.941	NM		
50	711-16-201	THERMOPLASTIC, STD. - OTHER SURFACES, YELLOW, SOLID, 6"	5.813	NM		

Bidder: _____

Authorized Signature: _____

51	711-16-231	THERMOPLASTIC, OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	1.1	GM		
		BRIDGES 134025 AND 134026 ITEMS				
52	110-3	REMOVAL OF EXISTING STRUCTURE	193	LF/SF		
53	400-2-4	CONCRETE CLASS II, SUPERSTRUCTURE	49	CY		
54	400-2-10	CONCRETE CLASS II, APPROACH SLABS	14	CY		
55	400-4-5	CONCRETE CLASS IV, SUBSTRUCTURE	23	CY		
56	415-1-4	REINFORCING STEEL, SUPERSTRUCTURE	9526	LB		
57	415-1-5	REINFORCING STEEL, SUBSTRUCTURE	1665	LB		
58	415-1-9	REINFORCING STEEL, APPROACH SLABS	2409	LB		
59	455-35-5	STEEL PILING - HP14X73	163	LF		
60	455-133-3	STEEL SHEET PILING, F&I PERMANENT	1113	SF		
61	455-144-5	TEST PILES - HP14X73	90	LF		
62	458-1-11	BRIDGE DECK EXPANSION JOINT	75	LF		
63	460-71-1	METAL TRAFFIC RAILING, THRIE BEAM RETROFIT	214	LF		
		PEDESTRIAN BRIDGE ITEMS				
PB-1		PEDESTRIAN BRIDGE	2	LS		
PB-2	400-4-5	CONCRETE CLASS IV, SUBSTRUCTURE	31.7	CY		
PB-3	415-1-5	REINFORCING STEEL, SUBSTRUCTURE	3012	LB		
PB-4	530-3-4	RIPRAP - RUBBLE, DITCH LINING	43.4	TN		
		UTILITY ADJUSTMENT ITEMS				
ADJ-1		FIRE HYDRANT ASSEMBLY RELOCATION	4	AS		
ADJ-2		WATER MAIN VALVE ADJUSTMENT	24	EA		
ADJ-3		PULL BOX ADJUSTMENT	9	EA		
MC-49		EXISTING WATER MAIN REMOVAL	261	LF		
MC-50		12-INCH, HDPE, HDD	203	LF		
MC-51		12-INCH C900 PVC, RJ	2	LF		
MC-52		10-INCH C900 PVC, RJ	43	LF		
MC-53		10-INCH DIP FITTINGS, POTABLE WATER	4	EA		
MC-54		12-INCH DIP FITTINGS, POTABLE WATER	4	EA		
MC-55		10-INCH, GATE VALVE, CUT IN	1	EA		
		MASTER PUMP STATION AND PUMP STATION REHABILITATION				
MC-1		MOBILIZATION, DEMOBILIZATION, BONDS, AND PERMITS	1	LS		
MC-2		MAINTENANCE OF TRAFFIC AND PEDESTRIAN SAFETY	1	LS		
MC-3		EROSION AND SEDIMENTATION CONTROL	1	LS		
MC-4		CLEANUP AND MISCELLANEOUS WORK	1	LS		
		PS-355 REHABILITATION				
MC-5		HYDROMATIC PUMP AND APPURTENANCES REPLACEMENT	1	EA		
MC-6		ENCLOSURE GATE REPLACEMENT	1	EA		
MC-7		VALVE VAULT RECOAT	1	LS		
MC-8		CLEARING AND GRUBING OF FENCE LINE	1	LS		
MC-9		GENERATOR AND FUEL TANK REPAINT	1	LS		
MC-10		ABOVE GRADE WATER MAIN/MASTE METER ASSEMBLY REPAINT	1	LS		
MC-11		BACKFLOW PREVENTER AND HOSE BIB REPLACEMENT	1	LS		
MC-12		6-INCH, C900 PVC, RJ	51	LF		
MC-13		6-INCH DIP FITTINGS, WASTEWATER	4	EA		
		RYE ROAD MASTER PUMP STATION				
MC-14		PUMP AND APPURTENANCES	3	EA		
MC-15		WET WELL AND STATION APPURTENANCES	1	LS		
MC-16		MANHOLES, LINED	2	EA		
MC-17		12-INCH, DIP, FLANGE	14	LF		
MC-18		6-INCH, C900 PVC, RJ	20	LF		
MC-19		12-INCH, C900 PVC, RJ	117	LF		
MC-20		24-INCH, C905 PVC, GRAVITY SANITARY	124	LF		
MC-21		8-INCH GATE VALVES	3	EA		
MC-22		12-INCH GATE VALVES	4	EA		
MC-23		8-INCH CHECK VALVES	3	EA		
MC-24		FLOW METER	1	EA		
MC-25		LEVEL TRANSDUCER	1	EA		
MC-26		6-INCH DIP FITTINGS, WASTEWATER	8	EA		
MC-27		12-INCH DIP FITTINGS, WASTEWATER	13	EA		
MC-28		18-INCH DIP FITTINGS, WASTEWATER	1	EA		
MC-29		ASPHALT DRIVEWAY	3816	SF		
MC-30		WATER SERVICE	1	LS		
MC-31		GATES AND FENCING	1	LS		
MC-32		NO. 57 STONE	54	CY		
MC-33		SITE GRADING, LANDSCAPING, IRRIGATION	1	LS		
MC-34		ELECTRICAL BUILDING, PREMANUFACTURED, AND APPURTENANCES	1	LS		
MC-35		DEWATERING	1	LS		
MC-36		CONCRETE SLABS	1	LS		

Bidder: _____

Authorized Signature: _____

		ELECTRICAL				
MC-37		SERVICE ENTRANCE DISCONNECT, 480V, 3PH, 400A, NEMA 4X	1	EA		
MC-38		ATS, 480V, 3-PHASE, 400A	1	EA		
MC-39		GENERATOR, 480V, 3-PHASE, 250KW	1	EA		
MC-40		GENERATOR, CONNECTION CABINET	1	EA		
MC-41		POWER PANEL, 480/277V, 400A, 42KAIC, NEMA 3R	1	EA		
MC-42		VFD, 480V, 3PH, 125HP	3	EA		
MC-43		DISCONNECT SWITCH, 480V, 3PH, 200A	1	EA		
MC-44		PUMP CONTROL PANEL, ANTENNA	1	EA		
MC-45		PUMP LOCAL CONTROL PANEL	1	EA		
MC-46		CABLE, CONDUIT	1	LS		
MC-47		LIGHT, POLE	1	LS		
MC-48		EXPLOSION PROOF Y-TYPE ALUMINUM CONDUIT SEAL	7	EA		
		TOTAL BASE BID "A" BASED ON A COMPLETION TIME OF 540 CALENDAR DAYS				
		CONTRACT CONTINGENCY (10% OF TOTAL BASE BID (Used only with County Approval))				
		TOTAL OFFER (Bid "A") WITH 10% CONTRACT CONTINGENCY (Based On A Completion Time Of 540 Calendar Days)				

Bidder: _____

Authorized Signature: _____

BID FORM B
18-TA002764JP
Rye Road Functional Improvements
Project #6086160

BID "B" Based on Completion Time of 600 Calendar Days

ITEM #	FDOT ITEM	DESCRIPTION	QTY	U/M	BID PRICE PER UNIT	TOTAL BID PRICE
		ROADWAY ITEMS				
1	101-1	MOBILIZATION	1	LS		
2	102-1	MAINTENANCE OF TRAFFIC	1	LS		
3	102-60	WORK ZONE SIGN	189750	ED		
4	102-71-14	TEMPORARY BARRIER, F&I, TYPE K	287.5	LF		
5	102-74-1	CHANNELIZING DEVICE - TYPES I, II, DI, VP, DRUM, OR LCD	13800	ED		
6	104-10-3	SEDIMENT BARRIER	29100	LF		
7	104-11	FLOATING TURBIDITY BARRIER	850	LF		
8	110-1-1	CLEARING AND GRUBBING (12.2 AC)	1	LS		
9	110-7-1	MAIL BOX (F&I) (SINGLE)	16	EA		
10	120-1	REGULAR EXCAVATION	7955	CY		
11	120-6	EMBANKMENT	2250	CY		
12	160-4	TYPE B STABILIZATION	32585	SY		
13	285-701	OPTIONAL BASE (BASE GROUP 01)	18386	SY		
14	285-703	OPTIONAL BASE (BASE GROUP 03)	4740	SY		
15	285-709	OPTIONAL BASE (BASE GROUP 09)	8648	SY		
16	327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	9040	SY		
17	334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	1818	TN		
18	337-7-83	ASPHALT FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	3921	TN		
19	339-1	MISCELLANEOUS ASPHALT	52	TN		
20	400-0-11	CONCRETE CLASS NS, GRAVITY WALL	80	CY		
21	400-1-2	CONCRETE CLASS I, ENDWALLS	29.2	CY		
22	430-174-215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15" SD	130	LF		
23	430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" SD	111	LF		
24	430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" CD	6	LF		
25	430-175-230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30" CD	41	LF		
26	430-984-623	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 15" SD	8	EA		
27	430-984-629	MITERED END SECTION, OPTIONAL ELLIPTICAL / ARCH, 24" SD	4	EA		
28	515-1-2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	508	LF		
29	520-1-10	CONCRETE CURB & GUTTER, TYPE F	100	LF		
30	522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	6588	SY		
31	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	1316	SY		
32	527-2	DETECTABLE WARNINGS	142	SF		
33	536-1-1	GUARDRAIL - ROADWAY	1843.8	LF		
34	536-5-1	GUARDRAIL - SHOP-BENT PANELS	37.5	LF		
35	536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY - PARALLEL	11	EA		
36	536-85-26	GUARDRAIL END ANCHORAGE ASSEMBLY - TYPE CRT	3	EA		
37	570-1-2	PERFORMANCE TURF (SOD)	23150	SY		
38	710-11-101	PAINTED PAVEMENT MARKINGS, STD., WHITE, SOLID, 6"	11.756	GM		
39	710-11-201	PAINTED PAVEMENT MARKINGS, STD., YELLOW, SOLID, 6"	13.112	GM		
		SIGNING AND PAVEMENT MARKING ITEMS				
40	700-1-11	SINGLE POST SIGN (F&I, GROUND MOUNT, UP TO 12 SF)	53	AS		
41	700-1-50	SINGLE POST SIGN, RELOCATE	17	AS		
42	706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	971	EA		
43	711-11-123	THERMOPLASTIC, STD., WHITE, SOLID, 12"	91	LF		
44	711-11-125	THERMOPLASTIC, STD., WHITE, SOLID, 24"	137	LF		
45	711-11-151	THERMOPLASTIC, STD., WHITE, 6-10 GAP EXTENSION, 6"	228	LF		
46	711-11-160	THERMOPLASTIC, STD., WHITE, MESSAGE	6	EA		
47	711-11-170	THERMOPLASTIC, STD., WHITE, ARROW	36	EA		
48	711-11-224	THERMOPLASTIC, STD., YELLOW, SOLID, 18"	1170	LF		
49	711-16-101	THERMOPLASTIC, STD. - OTHER SURFACES, WHITE, SOLID, 6"	5.941	NM		
50	711-16-201	THERMOPLASTIC, STD. - OTHER SURFACES, YELLOW, SOLID, 6"	5.813	NM		

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51	711-16-231	THERMOPLASTIC, OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	1.1	GM		
		BRIDGES 134025 AND 134026 ITEMS				
52	110-3	REMOVAL OF EXISTING STRUCTURE	193	LF/SF		
53	400-2-4	CONCRETE CLASS II, SUPERSTRUCTURE	49	CY		
54	400-2-10	CONCRETE CLASS II, APPROACH SLABS	14	CY		
55	400-4-5	CONCRETE CLASS IV, SUBSTRUCTURE	23	CY		
56	415-1-4	REINFORCING STEEL, SUPERSTRUCTURE	9526	LB		
57	415-1-5	REINFORCING STEEL, SUBSTRUCTURE	1665	LB		
58	415-1-9	REINFORCING STEEL, APPROACH SLABS	2409	LB		
59	455-35-5	STEEL PILING - HP14X73	163	LF		
60	455-133-3	STEEL SHEET PILING, F&I PERMANENT	1113	SF		
61	455-144-5	TEST PILES - HP14X73	90	LF		
62	458-1-11	BRIDGE DECK EXPANSION JOINT	75	LF		
63	460-71-1	METAL TRAFFIC RAILING, THRIE BEAM RETROFIT	214	LF		
		PEDESTRIAN BRIDGE ITEMS				
PB-1		PEDESTRIAN BRIDGE	2	LS		
PB-2	400-4-5	CONCRETE CLASS IV, SUBSTRUCTURE	31.7	CY		
PB-3	415-1-5	REINFORCING STEEL, SUBSTRUCTURE	3012	LB		
PB-4	530-3-4	RIPRAP - RUBBLE, DITCH LINING	43.4	TN		
		UTILITY ADJUSTMENT ITEMS				
ADJ-1		FIRE HYDRANT ASSEMBLY RELOCATION	4	AS		
ADJ-2		WATER MAIN VALVE ADJUSTMENT	24	EA		
ADJ-3		PULL BOX ADJUSTMENT	9	EA		
MC-49		EXISTING WATER MAIN REMOVAL	261	LF		
MC-50		12-INCH, HDPE, HDD	203	LF		
MC-51		12-INCH C900 PVC, RJ	2	LF		
MC-52		10-INCH C900 PVC, RJ	43	LF		
MC-53		10-INCH DIP FITTINGS, POTABLE WATER	4	EA		
MC-54		12-INCH DIP FITTINGS, POTABLE WATER	4	EA		
MC-55		10-INCH, GATE VALVE, CUT IN	1	EA		
		MASTER PUMP STATION AND PUMP STATION REHABILITATION				
MC-1		MOBILIZATION, DEMOBILIZATION, BONDS, AND PERMITS	1	LS		
MC-2		MAINTENANCE OF TRAFFIC AND PEDESTRIAN SAFETY	1	LS		
MC-3		EROSION AND SEDIMENTATION CONTROL	1	LS		
MC-4		CLEANUP AND MISCELLANEOUS WORK	1	LS		
		PS-355 REHABILITATION				
MC-5		HYDROMATIC PUMP AND APPURTENANCES REPLACEMENT	1	EA		
MC-6		ENCLOSURE GATE REPLACEMENT	1	EA		
MC-7		VALVE VAULT RECOAT	1	LS		
MC-8		CLEARING AND GRUBING OF FENCE LINE	1	LS		
MC-9		GENERATOR AND FUEL TANK REPAINT	1	LS		
MC-10		ABOVE GRADE WATER MAIN/MASTE METER ASSEMBLY REPAINT	1	LS		
MC-11		BACKFLOW PREVENTER AND HOSE BIB REPLACEMENT	1	LS		
MC-12		6-INCH, C900 PVC, RJ	51	LF		
MC-13		6-INCH DIP FITTINGS, WASTEWATER	4	EA		
		RYE ROAD MASTER PUMP STATION				
MC-14		PUMP AND APPURTENANCES	3	EA		
MC-15		WET WELL AND STATION APPURTENANCES	1	LS		
MC-16		MANHOLES, LINED	2	EA		
MC-17		12-INCH, DIP, FLANGE	14	LF		
MC-18		6-INCH, C900 PVC, RJ	20	LF		
MC-19		12-INCH, C900 PVC, RJ	117	LF		
MC-20		24-INCH, C905 PVC, GRAVITY SANITARY	124	LF		
MC-21		8-INCH GATE VALVES	3	EA		
MC-22		12-INCH GATE VALVES	4	EA		
MC-23		8-INCH CHECK VALVES	3	EA		
MC-24		FLOW METER	1	EA		
MC-25		LEVEL TRANSDUCER	1	EA		
MC-26		6-INCH DIP FITTINGS, WASTEWATER	8	EA		
MC-27		12-INCH DIP FITTINGS, WASTEWATER	13	EA		
MC-28		18-INCH DIP FITTINGS, WASTEWATER	1	EA		
MC-29		ASPHALT DRIVEWAY	3816	SF		
MC-30		WATER SERVICE	1	LS		
MC-31		GATES AND FENCING	1	LS		
MC-32		NO. 57 STONE	54	CY		
MC-33		SITE GRADING, LANDSCAPING, IRRIGATION	1	LS		
MC-34		ELECTRICAL BUILDING, PREMANUFACTURED, AND APPURTENANCES	1	LS		
MC-35		DEWATERING	1	LS		
MC-36		CONCRETE SLABS	1	LS		

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		ELECTRICAL				
MC-37		SERVICE ENTRANCE DISCONNECT, 480V, 3PH, 400A, NEMA 4X	1	EA		
MC-38		ATS, 480V, 3-PHASE, 400A	1	EA		
MC-39		GENERATOR, 480V, 3-PHASE, 250KW	1	EA		
MC-40		GENERATOR, CONNECTION CABINET	1	EA		
MC-41		POWER PANEL, 480/277V, 400A, 42KAIC, NEMA 3R	1	EA		
MC-42		VFD, 480V, 3PH, 125HP	3	EA		
MC-43		DISCONNECT SWITCH, 480V, 3PH, 200A	1	EA		
MC-44		PUMP CONTROL PANEL, ANTENNA	1	EA		
MC-45		PUMP LOCAL CONTROL PANEL	1	EA		
MC-46		CABLE, CONDUIT	1	LS		
MC-47		LIGHT, POLE	1	LS		
MC-48		EXPLOSION PROOF Y-TYPE ALUMINUM CONDUIT SEAL	7	EA		
		TOTAL BASE BID "B" BASED ON A COMPLETION TIME OF 600 CALENDAR DAYS				
		CONTRACT CONTINGENCY (10% OF TOTAL BASE BID (Used only with County Approval))				
		TOTAL OFFER (Bid "B") WITH 10% CONTRACT CONTINGENCY (Based On A Completion Time Of 540 Calendar Days)				

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