



BLUE WING ROAD TO IH 37 SEWER PROJECT
Solicitation Number: CO-00316
Job No.: 19-4517

ADDENDUM 1
December 12, 2019

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

- 1. Question:** Please provide the contact information for the person that can give permission to access the area where the Flow Diversion is to take place.
Response: SAWS will provide contact information to the awarded Contractor. Refer to Section E. of the Special Conditions.
- 2. Question:** Please provide detail drawing of Upstream Siphon Outlet Structures, where the flow is to be diverted.
Response: Contractor's may obtain related as-builts (DJ-4310) and block maps from SAWS Counter Services Division.
- 3. Question:** Plan sheet C4 of the plans, it appears that a pay Item is provided for replacing the 24" cross-over pipe. However, it is designated on the sheet as "NSPI". Please Clarify.
Response: The 24" PVC cross-over pipe will be paid for by the LF. Plan Sheet C4 has been revised accordingly and included in this Addendum. Refer to Modifications to Plans for Construction for this Addendum.
- 4. Question:** Please explain why the exterior of the Large Siphon Inlet Structure has to be excavated to one foot from the bottom?
Response: To remove lateral earth loading from the walls prior to lid removal.
- 5. Question:** Plan sheet C10. "Estimated Quantities" are calling for a 5' diameter manhole, however profile notes are calling for an 84" diameter drop manhole. Please clarify what size manhole is to be installed and provide the appropriate pay item including extra depth, if not 5' diameter.
Response: The planned manhole is 5' diameter. Plan Sheet C10 has been revised accordingly and included in this Addendum. Refer to Modifications to Plans for Construction for this Addendum.
- 6. Question:** Are the CIPP wall thickness designs to include hydrostatic loading to the elevation of the 100 year flood plain? If yes, then please provide the 100 year flood plain elevations.
Response: None of the project sewer lines are located within the 100-year floodplain.
- 7. Question:** Is staking of the R.O.W. by the Contractor a project requirement? If yes, then can a pay item be provided for this task?
Response: The Contractor shall hire a licensed surveyor, at his expense, for field staking and any other surveying requirement pertinent to the project. Refer to Section 5.15 of the General Conditions. No pay item will be provided for this task.

- 8. Question:** SAWS has allowed the wall thickness design to be based on a Soil Modulus of 1000 psi in lieu of 500 psi. We are requesting that the same appropriate allowance be made for this project. Please clarify.
Response: Soil Modulus requirements have been modified. Special Provisions to Technical Specifications have been revised accordingly and included in this Addendum. Refer to Modifications to Specifications for this Addendum.
- 9. Question:** To confirm, Conshield is the only approved corrosion prevention concrete additive to be used with the cast in place concrete work for construction of the interior walls and top for the large siphon inlet structure, item 41?
Response: Yes, Conshield is the only approved corrosion protection admixture.
- 10. Question:** Does the source of concrete to be used for the construction of the interior walls and top of the large siphon inlet structure item 41 have to be certified license of Conshield?
Response: No, but the admixture needs to be added to the concrete batch per Conshield's recommendations.
- 11. Question:** For the large siphon structure, do the precast lids need to be coated with the 1" ConShield spray on liner?
Response: No, because the precast lids will have the ConShield admixture.
- 12. Question:** For the manholes that are called out to be reconstructed, will the vacuum testing/hydrostatic requirement be waived due to the limitations of the manhole openings to allow adequate access for inserting plugs of this diameter? If not, will SAWS allow hydrostatic testing without the cone and frame covers in place to allow for proper plug access?
Response: The required testing can be completed without the cone, ring and covers in place to allow plug insertion and removal, after a variance is requested by CDS Muery and approval is given by TCEQ.

MODIFICATIONS TO SPECIFICATIONS

1. Special Provisions to Technical Specifications:

Item 901 – Rehabilitation of Sanitary Sewer by Cured-In-Place Pipe (Hot Water or Steam Cured). Add the following to Section 901.4.3.e.6:

“Contractor may submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values are part of the sealed calculations, and the calculation method complies with ASTM F1216.”

MODIFICATIONS TO PLANS FOR CONSTRUCTION

- 1. Plan Sheet C1:** Remove and replace Plan Sheet C1 with the revised Plan Sheet C1 attached to this Addendum. Plan Sheet C1 has been revised to include a call out note requiring the Contractor to field locate manholes as required so there is a minimum separation of 10 feet from the outside of the manholes to the existing 16-inch DI water line on Blue Wing Road.
- 2. Plan Sheet C4:** Remove and replace Plan Sheet C4 with the revised Plan Sheet C4 attached to this Addendum. Plan Sheet C4 has been revised to remove the “NSPI” designation from the 24” PVC cross-over pipe.
- 3. Plan Sheet C10:** Remove and replace Plan Sheet C10 with the revised Plan Sheet C10 attached to this Addendum. Plan Sheet C10 has been revised to clarify the size of manhole required on the existing 84” sewer line and to correct Item No. 862.3 in the Item No. column of the Estimated Quantities table.

ATTACHMENTS

- Attachments:**
 Plan Sheet C1
 Plan Sheet C4
 Plan Sheet C10

END OF ADDENDUM

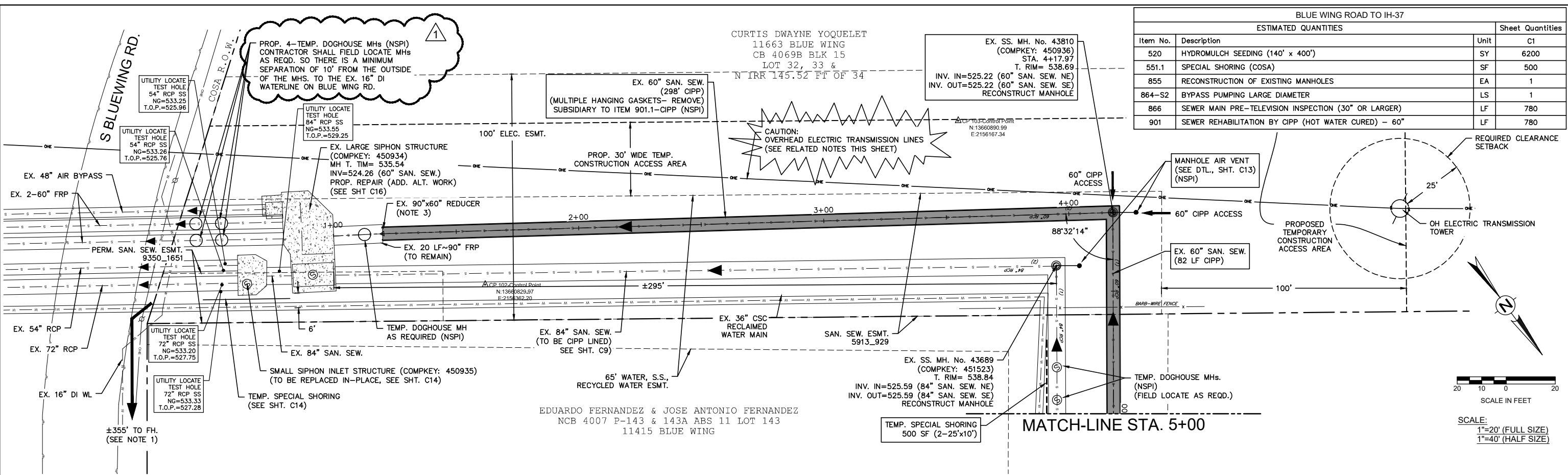
This Addendum, including these three (3) pages, is six (6) pages in its entirety.

CDS Muery F-1733

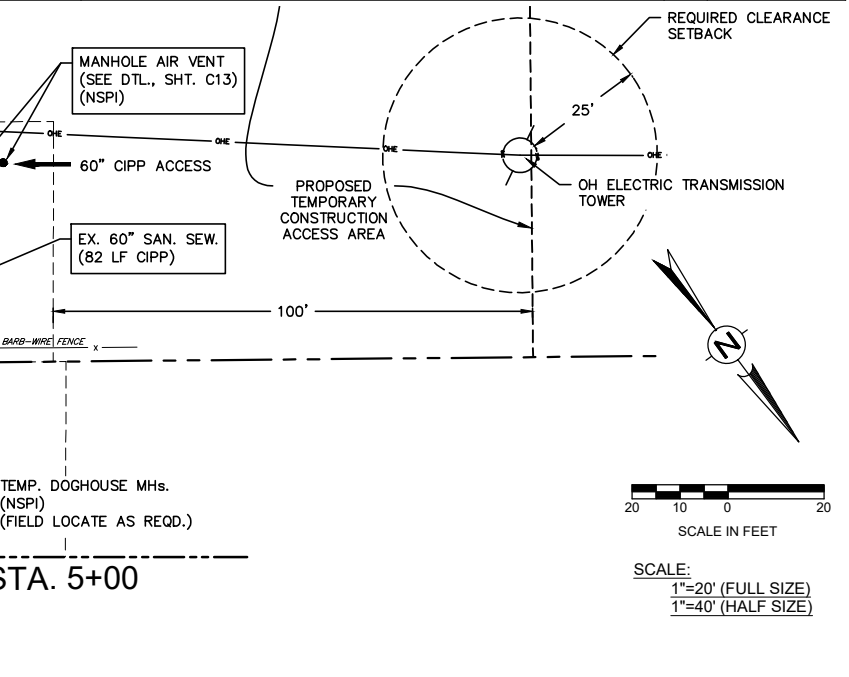


Mark Roetzel, P.E.
CDS Muery

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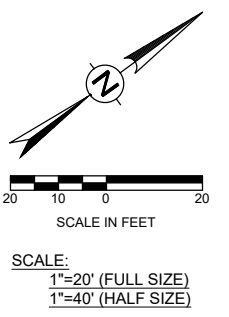
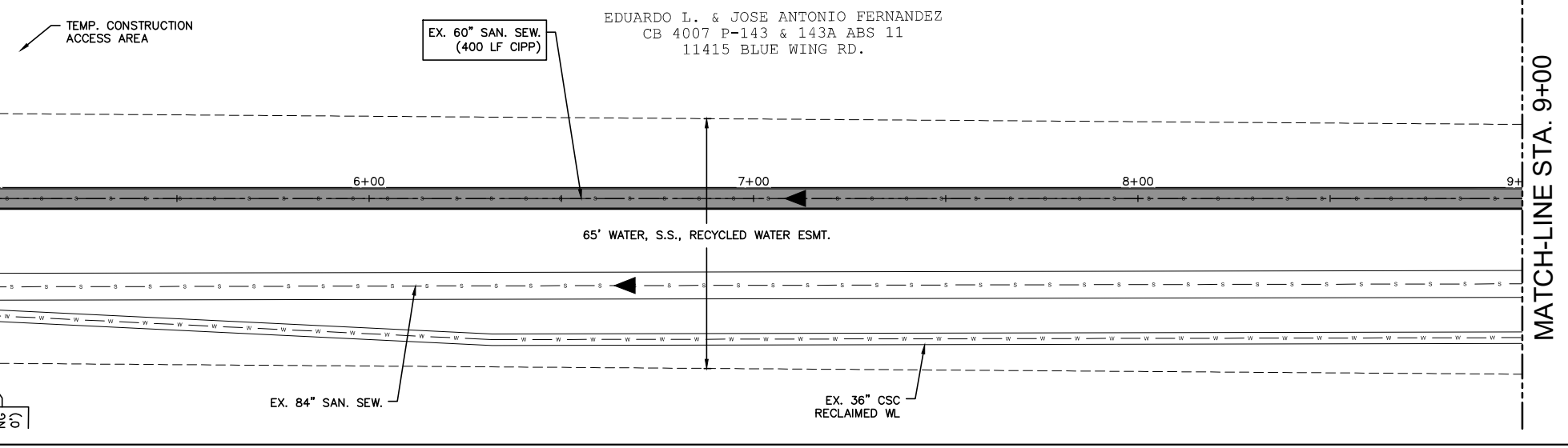
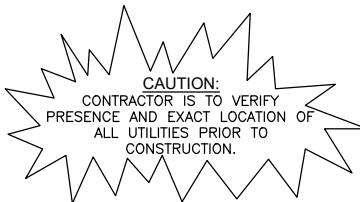


BLUE WING ROAD TO IH-37			
ESTIMATED QUANTITIES			Sheet Quantities
Item No.	Description	Unit	C1
520	HYDROMULCH SEEDING (140' x 400')	SY	6200
551.1	SPECIAL SHORING (COSA)	SF	500
855	RECONSTRUCTION OF EXISTING MANHOLES	EA	1
864-S2	BYPASS PUMPING LARGE DIAMETER	LS	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (30" OR LARGER)	LF	780
901	SEWER REHABILITATION BY CIPP (HOT WATER CURED) - 60"	LF	780



- NOTES:**
- FIRE HYDRANTS AVAILABLE TO PROVIDE WATER FOR CIPP INSTALLATION, COORDINATE WITH SAWS. PROVIDE TEMP. VEHICLE/PEDESTRIAN RAMPS, BARRICADES AND SIGNS AS NEEDED DURING CIPP INSTALLATION. (NSPI)
 - AVOID TREES IN WORK AREA AS MUCH AS PRACTICAL. PROTECT ALL TREES ≥6" DIA. SEE SHEET TP1 FOR TREE PROTECTION DETAILS.
 - EXISTING 90" FRP AND 90"x60" FRP REDUCER TO REMAIN. CONTRACTOR MAY INSTALL TEMP. DOGHOUSE ACCESS ON EX. 90" FRP LINE IF NEEDED FOR 60" CIPP, AND REPAIR W/FRP PIPE PLATE UPON COMPLETION. SEAL REPAIR JOINTS W/FIBERGLASS RESIN AND CONCRETE ENCASE. CONTRACTOR MAY ALSO USE EXISTING SIPHON INLET STRUCTURE FOR CIPP ACCESS IF DESIRED (SUBJECT TO LID ACCESS LIMITATIONS). (NSPI) SEAL 60" CIPP LINING @ 90"x60" REDUCER TO ENSURE WATERTIGHT CONNECTION AND EFFECTIVE CORROSION PROTECTION.
 - CONTRACTOR SHALL CONTACT PROPERTY OWNER AT LEAST 7 DAYS IN ADVANCE TO PLANNED WORK ON PRIVATE PROPERTY, PER CONTRACT SPECIAL CONDITIONS.
 - REFERENCE CONSTRUCTION SEQUENCING SHEETS G12 AND G13 FOR PHASING.
 - CONTRACTOR MUST FIELD VERIFY ALL SANITARY SEWER DEPTHS, DISTANCES, PIPE SIZES, GRADES AND SERVICE LATERALS BEFORE START OF CONSTRUCTION (NSPI)
 - UNLESS SHOWN AS POTHOLED LOCATION AND DEPTH, LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST ONE WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
 - THE 60" RCP MAIN IS MODERATELY CORRODED THROUGHOUT THE PROJECT LENGTH, WITH RECURRING HANGING GASKETS AND AREAS OF DEBRIS. PIPE TO BE CLEANED AND PREPARED AS NEEDED FOR CIPP INSTALLATION. (NSPI)
 - RESTORE WORK AREA UNDER PREP ROW UPON COMPLETION, INCLUDING PLOWING AND DISTURBED TEMPORARY ACCESS AGRICULTURAL AREAS. (NSPI) PROVIDE ADDITIONAL HYDROMULCH SEEDING WHERE SHOWN. COORDINATE W/OWNER FOR RESTORATION OF 50' WIDE TEMP. CONSTRUCTION ACCESS AREA, PROVIDING RE-SPRIGGING W/COASTAL BERMUDA GRASS IN LIEU OF HYDROMULCH IF DESIRED BY PROPERTY OWNER. (SAME AREA PAYMENT UNDER ITEM 520)
 - PROVIDE TEMPORARY CONSTRUCTION FENCING AT THE WORK AREA AS NEEDED FOR SAFETY AND LIVESTOCK CONTROL. (NSPI)

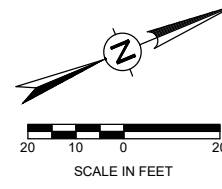
- CPS ENERGY NOTES:**
- EXERCISE EXTREME CAUTION WHEN WORKING BELOW HIGH VOLTAGE TRANSMISSION LINES.
 - NO MATERIALS OR EQUIPMENT SHALL BE STORED WITHIN 10 FT. OF BELOW TRANSMISSION LINES, EXCEPT DURING NEEDED CONSTRUCTION ACCESS ACTIVITIES.
 - NO MATERIALS OR EQUIPMENT SHALL BE LOCATED WITHIN 25 FT. OF TRANSMISSION TOWER BASES.
 - CONTRACTOR IS RESPONSIBLE TO MEET ALL OSHA REQUIREMENTS FOR CRANE BOOMS AND EXCAVATOR ARMS. THIS IS A 138KV TRANSMISSION LINE AND THE CONDUCTOR'S MINIMUM VERTICAL GROUND CLEARANCE IS 60 FT.
 - AT LEAST 30 FT. OF UNENCUMBERED ACCESS SHALL BE MAINTAINED FOR CPS AT ALL TIMES.



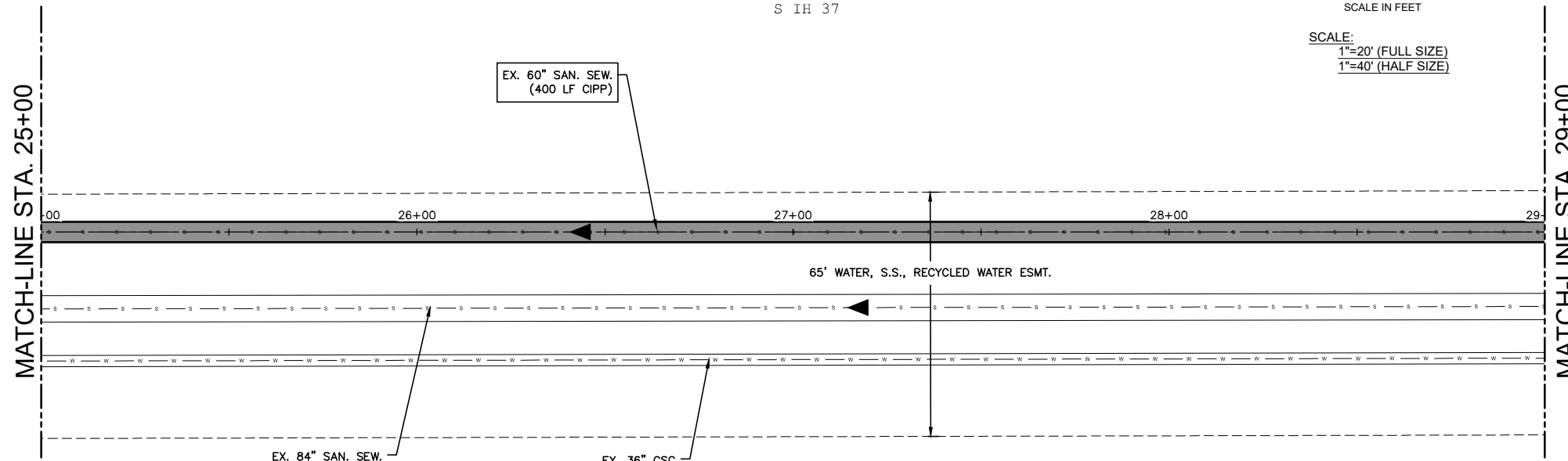
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DATE: NOVEMBER, 2019	SAWS PROJECT NO.	SHEET NO.	
DESIGN: MR	19-4517	C1	
DRAWN: IL	CDS PROJECT NO.		
CHECKED: KRR	117270.04		

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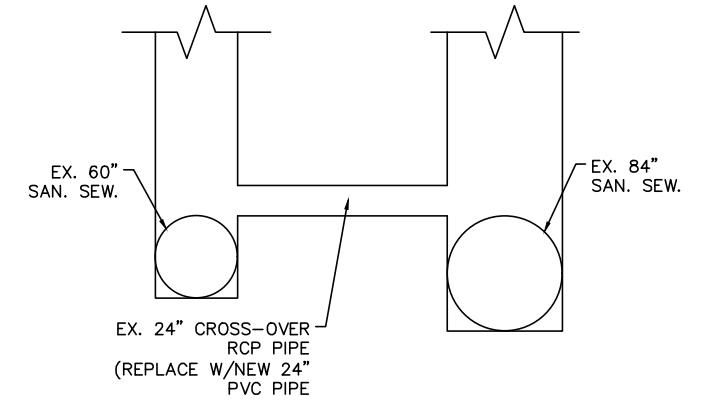
JOSE ANTONIO FERNANDEZ
 NCB16622 LOT P-142D (16.718AC) & CB4007-6 P-142D (63.124 AC) ABS11
 S IH 37



SCALE:
 1"=20' (FULL SIZE)
 1"=40' (HALF SIZE)



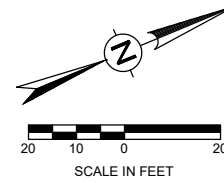
BLUE WING ROAD TO IH-37			
ESTIMATED QUANTITIES			Sheet Quantities
Item No.	Description	Unit	C4
520	HYDROMULCH SEEDING (60' x 100')	SY	670
550	TRENCH PROTECTION	LF	20
848	24" PVC SANITARY SEWER LINE (ASTM-F679, 115 PSI)	LF	18
855	RECONSTRUCTION OF EXISTING MANHOLES	EA	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (30" OR LARGER)	LF	800
901	SEWER REHABILITATION BY CIPP (HOT WATER CURED) - 60"	LF	800



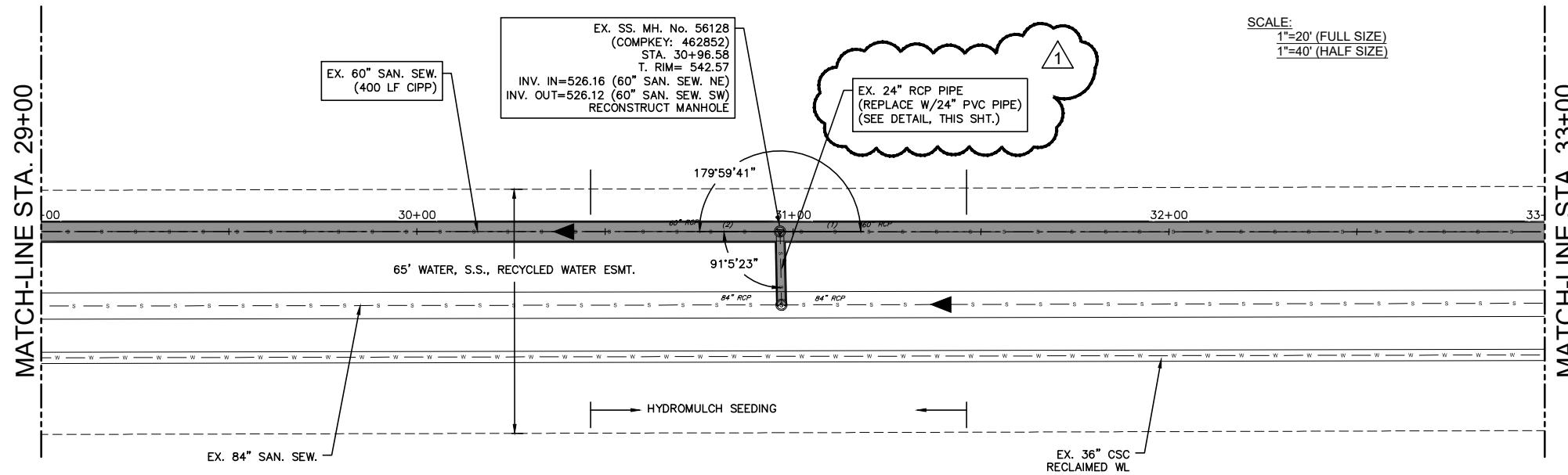
CROSS-OVER PIPE DETAIL

CAUTION:
 CONTRACTOR IS TO VERIFY
 PRESENCE AND EXACT LOCATION OF
 ALL UTILITIES PRIOR TO
 CONSTRUCTION.

JOSE ANTONIO FERNANDEZ
 NCB16622 LOT P-142D (16.718AC) & CB4007-6 P-142D (63.124 AC) ABS11
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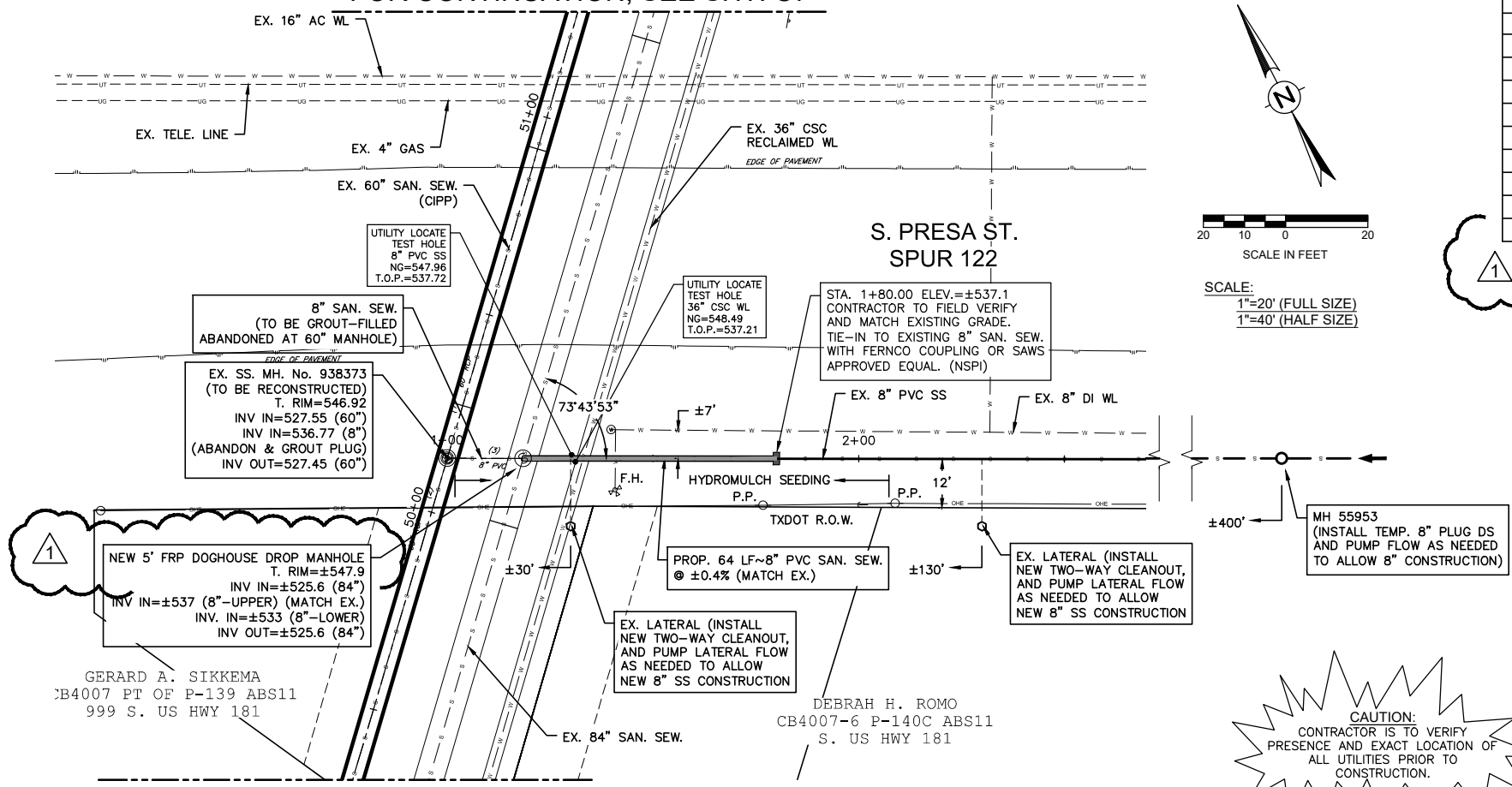
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 - RESTORE WORK AREA UNDER PREP ROW UPON COMPLETION. (NSPI) PROVIDE ADDITIONAL HYDROMULCH SEEDING WHERE SHOWN.

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV. NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12/11/19</td> <td>ADDENDUM No.1- REMOVED NSPI ON 24" PIPE</td> <td></td> </tr> </tbody> </table>	REV. NO.	DATE	DESCRIPTION	BY	1	12/11/19	ADDENDUM No.1- REMOVED NSPI ON 24" PIPE		<p>BLUEWING ROAD TO IH-37 SEWER PROJECT</p> <p>60-INCH SAN. SEW. CIPP PLAN STA. 25+00 TO STA. 33+00</p>	
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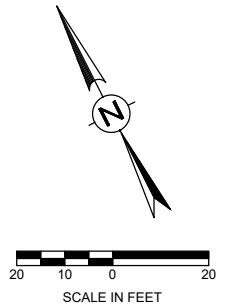
FOR CONTINUATION, SEE SHT. C7



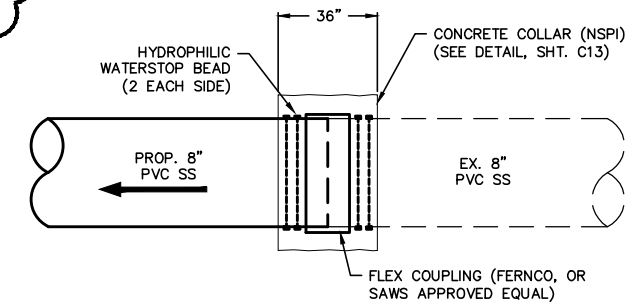
FOR CONTINUATION, SEE SHT. C7

PLAN

BLUE WING ROAD TO IH-37			
ESTIMATED QUANTITIES			Sheet Quantities
Item No.	Description	Unit	C10
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1
520	HYDROMULCH SEEDING (20' x 100')	SY	220
550	TRENCH EXCAVATION PROTECTION	LF	64
848	8" PVC SANITARY SEWER LINE (SDR26-2241, 160 PSI) (ALL DEPTHS)	LF	64
853A	5' FIBERGLASS SAN. SEW. DROP MH. (0'-6")	EA	1
853	5' EXTRA DEPTH FRP MANHOLE	VF	8
854.2	TWO-WAY CLEANOUTS	EA	2
864-S1	BYPASS PUMPING SMALL DIAMETER	LS	1
866	SEWER MAIN POST-TELEVISION INSPECTION (8" THRU 15")	LF	64
862.3	ABANDON EX. SAN. SEW. IN-PLACE (GROUT FILL- 8")	LF	20



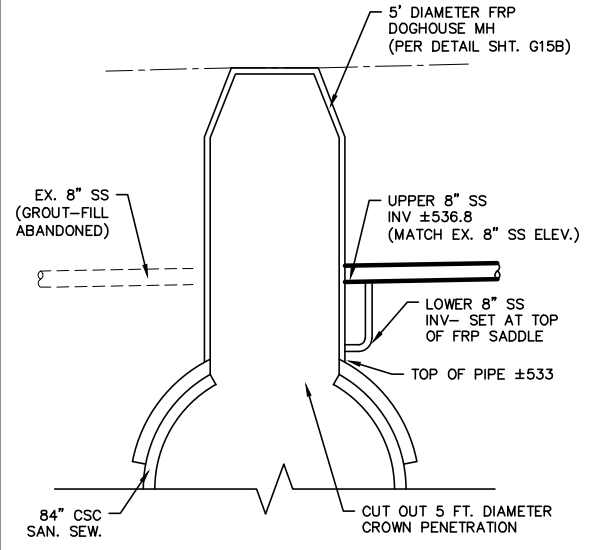
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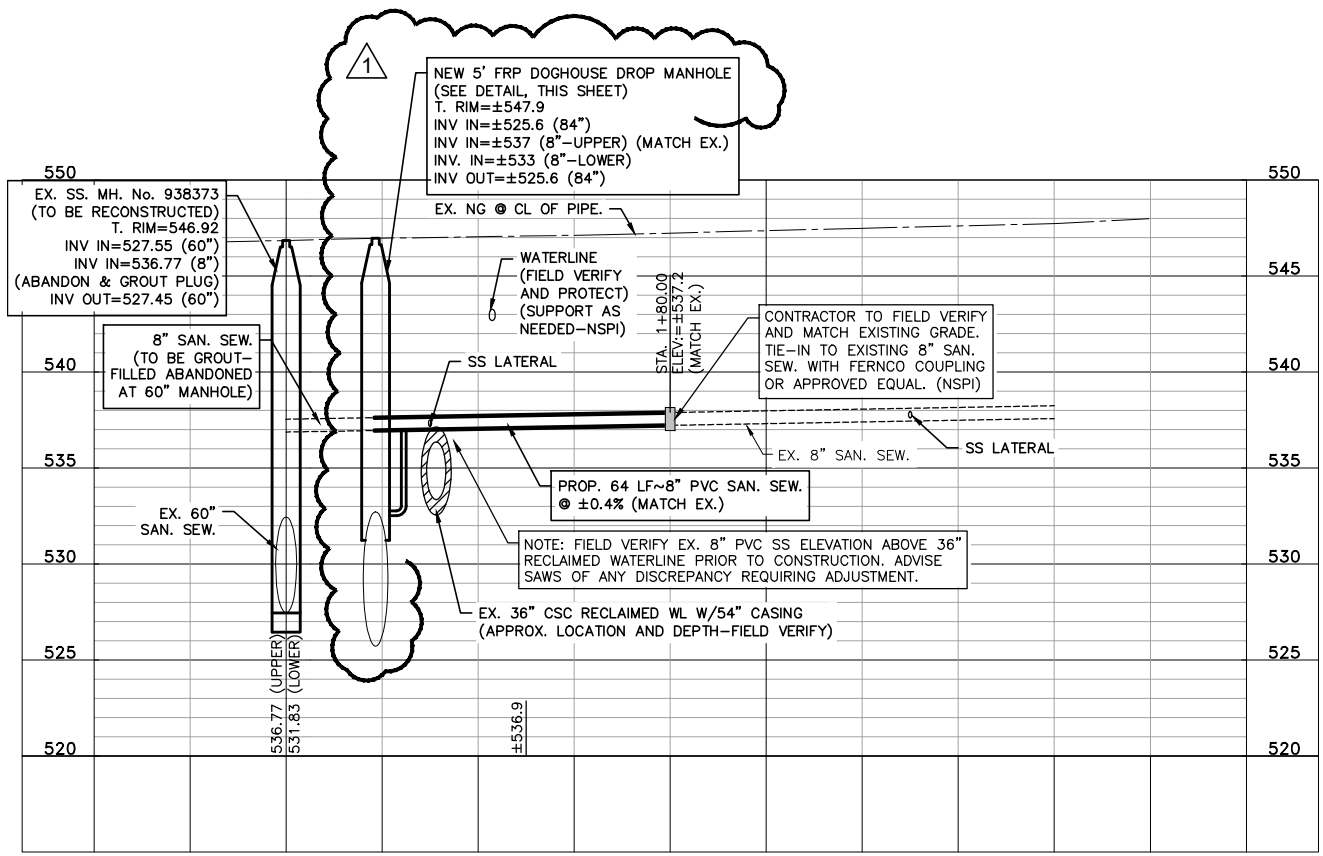
LINE CONNECTION DETAIL
N.T.S.

CAUTION:
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

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 - RESTORE WORK AREA WITH HYDROMULCH SEEDING UPON COMPLETION.
 - NEW 84" SAN. SEW. MAIN DOGHOUSE MANHOLE PAID FOR UNDER ITEMS 853A & 853. ASSOCIATED TESTING REQUIREMENTS WAIVED.



NEW 5' DIA. FRP DOGHOUSE DROP MH. ON EXISTING 84" SAN. SEW. DETAIL



PROFILE

FULL SIZE:
1"=20' HORZ.
1"=5' VERT.

HALF SIZE:
1"=40' HORZ.
1"=10' VERT.

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REV. NO.	DATE	DESCRIPTION	BY
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**BLUEWING ROAD TO IH-37
SEWER PROJECT**

**8-INCH SAN. SEW.
PLAN & PROFILE**

STA. 1+00 TO STA. 2+00

DATE: NOVEMBER, 2019

DESIGN: MR

DRAWN: IL

CHECKED: KRR

SAWS PROJECT NO.
19-4517

CDS PROJECT NO.
11270.04

SHEET NO.
C10