

SAN ANTONIO WATER SYSTEM
FAR WEST SEWER RELIEF MAIN (FW-01)
SAWS Job No. 09-2501
Solicitation No. B-11-052-RA

ADDENDUM NO. 3

October 05, 2011

To Bidder of Record:

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

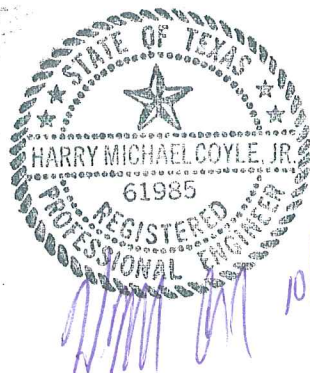
Plan Clarifications

- 1) On plan set sheet 10, item number *852.3 Extra Depth Manhole*, has been added. Please replace sheet 10 with the enclosed re-issued sheet.
- 2) On plan sheets 3, 13, 15, 16, and 21, item number *852.1 Sanitary Sewer Structures*, has been replaced with item number *850 Sanitary Sewer Structure*. Please replace the above mentioned sheets with the enclosed re-issued sheets.
- 3) In Addendum No. 2, Revisions to Contract Note 1, it was stated that *Item 848 21" PVC Sanitary Sewer Line (6' – 10')*, *720 Linear Feet (L.F.)*. The linear footage has been confirmed to be 710 LF of pipe.

Revisions to Contract Documents and Technical Specifications

- 1) The following changes have been made to the Bid Proposal. Replace the Bid Proposal in its entirety with the enclosed bid proposal.
 - a) Item 852.1 on bid proposal sheet BP-4 is duplicated.
 - b) On the Bid Proposal sheet BP-4 Item *852.3, Extra Depth Manhole*, was added.
 - c) On the Bid Proposal sheet BP-4 Item *852.1, Sanitary Sewer Structure* has been changed to *850 Sanitary Sewer Structure*.
 - d) The following numbers were reviewed and their quantity numbers were updated.
Water: Items 550, 818, 856.1, 856.2, and 856.3 Sewer: 850 and 858
- 2) On the Invitation to Bidders, change the Bid Opening time and date to: **"10:00 AM, Monday, October 10, 2011."** The location remains unchanged.

H. Michael Coyle, Jr., P.E.
President, Coyle Engineering



ACKNOWLEDGEMENT BY BIDDER

Each bidder is requested to acknowledge receipt of this Addendum No. 3 on the Bid Proposal and by his/her signature affixed hereto and to file same as an attachment to his/her bid. The undersigned acknowledges receipt of this Addendum No. 3 and the bid submitted herewith is in accordance with the information and stipulation set forth.

Signature of Bidder

Date

End of Addendum

BID PROPOSAL

PROPOSAL OF _____, a corporation

a partnership consisting of

an individual doing business as

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitations to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the construction of pipelines and appurtenances, San Antonio Water System Job Number 09-2501 in accordance with the Plans and Specifications for the following prices to wit:

Item No.	Description & Estimated Quantities (Unit Price to be written in Words)	Unit Price (Figures)	Total Price (Figures)
550	Trench Excavation Safety Protection 533 linear feet (L.F.) _____ Dollars and _____ Cents	_____	_____
818	8 PVC Waterline " 533 linear feet (L.F.) _____ Dollars and _____ Cents	_____	_____
828	8" Gate Valves 2 each (E.A.) _____ Dollars and _____ Cents	_____	_____
831	8" x 8" Tee Cut In 2 each (E.A.) _____ Dollars and _____ Cents	_____	_____
841	Hydrostatic Testing 1 each (E.A.) _____ Dollars and _____ Cents	_____	_____
844	2" Blowoff, Temporary 2 each (E.A.) _____ Dollars and _____ Cents	_____	_____

Job No. 09-2501
 Far West Sewer Relief Main (FW-01)
 Solicitation No. B-11-052-RA

856.1 Jacking, Boring, or Tunneling 24"
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.2 8" Carrier Pipe for Jacking, Boring, Tunneling
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.3 Casing or Liner 24"
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

SUBTOTAL SAWS JOB NO. 09-2501 (WATER):

\$ _____

550 Trench Excavation Safety Protection
 2691 linear feet (L.F.)

_____ Dollars
 and _____ Cents

848 10" PVC Sanitary Sewer Line. (6'-10')
 310 linear feet (L.F.)

_____ Dollars
 and _____ Cents

848 12" PVC Sanitary Sewer Line. (6'-10')
 350 linear feet (L.F.)

_____ Dollars
 and _____ Cents

848 21" PVC Sanitary Sewer Line. (6'-10')
 710 linear feet (L.F.)

_____ Dollars
 and _____ Cents

848 24" PVC Sanitary Sewer Line. (0'-6')
 1374 linear feet (L.F.)

_____ Dollars
 and _____ Cents

848 27" PVC Sanitary Sewer Line. (6'-10')
111 linear feet (L.F.)

_____ Dollars
and _____ Cents

848 30" PVC Sanitary Sewer Line. (0'-6')
250 linear feet (L.F.)

_____ Dollars
and _____ Cents

848 30" PVC Sanitary Sewer Line. (6'-10')
1828 linear feet (L.F.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structures – Junction Box (JB-1)
1 each (E.A.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structures – Siphon Box (S1-I)
1 each (E.A.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structures – Siphon Box (S1-O)
1 each (E.A.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structures – Siphon Box (S2-I)
1 each (E.A.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structures – Siphon Box (S2-O)
1 each (E.A.)

_____ Dollars
and _____ Cents

850 Sanitary Sewer Structure (0' – 6')
5 each (E.A.)

_____ Dollars
and _____ Cents

Job No. 09-2501
 Far West Sewer Relief Main (FW-01)
 Solicitation No. B-11-052-RA

852.1 Sanitary Sewer Manhole (0' – 6')
 1 each (E.A.)

_____ Dollars
 and _____ Cents

852.3 Extra Depth Manholes (> 6")
 3 linear feet (V.F.)

_____ Dollars
 and _____ Cents

856.1 Jacking, Boring, or tunneling 24"
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.1 Jacking, Boring, or tunneling 36"
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.1 Jacking, Boring, or tunneling 42"
 450 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.2 12" Carrier Pipe for Jacking, Boring, or tunneling
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.2 21" Carrier Pipe for Jacking, Boring, or tunneling
 225 linear feet (L.F.)

_____ Dollars
 and _____ Cents

856.2 24" Carrier Pipe for Jacking, Boring, or tunneling
 450 linear feet (L.F.)

_____ Dollars
 and _____ Cents

Job No. 09-2501
Far West Sewer Relief Main (FW-01)
Solicitation No. B-11-052-RA

856.3 Casing or Liner 24"
225 linear feet (L.F.)

_____ Dollars
and _____ Cents

856.3 Casing or Liner 36"
225 linear feet (L.F.)

_____ Dollars
and _____ Cents

856.3 Casing or Liner 42"
450 linear feet (L.F.)

_____ Dollars
and _____ Cents

858 Concrete Encasement, Cradles, Saddles and Collars
29 cubic yard (C.Y.)

_____ Dollars
and _____ Cents

862 Abandonment of Sanitary Sewer Manholes
5 each (E.A.)

_____ Dollars
and _____ Cents

866 Sewer Main Television Inspection (18"-24")
1374 linear feet (L.F.)

_____ Dollars
and _____ Cents

866 Sewer Main Television Inspection (30")
2189 linear feet (L.F.)

_____ Dollars
and _____ Cents

842 Sanitary Sewer Air Testing
1 each (E.A.)

_____ Dollars
and _____ Cents

520.1 Hydro Seed Native Grass
 28504 square feet (S.F.)
 _____ Dollars
 and _____ Cents _____ _____

540.1 Rock Filter Dams (Install/Remove) (Type 3)
 150 linear feet (L.F.)
 _____ Dollars
 and _____ Cents _____ _____

540.6 Construction Exits (Install/Remove)
 334 square yards (S.Y.)
 _____ Dollars
 and _____ Cents _____ _____

540.9 Temporary Sediment Control Fence
 3210 linear feet (L.F.)
 _____ Dollars
 and _____ Cents _____ _____

SUBTOTAL SAWS JOB NO. 09-2501 (WATER): \$ _____

SUBTOTAL SAWS JOB NO. 09-2501 (SEWER): \$ _____

LINE ITEM "A"

SUBTOTAL BASE BID (WATER & SEWER) \$ _____

	Unit Price (Figures)	Total Price (Figures)
100 MOBILIZATION 1 LUMP SUM-Percent of the <u>Line Item "A"</u> Sub total Base Bid written in words _____ Percent (Maximum of 10% of the <u>Line Item "A"</u> Sub-total Base Bid amount)	_____	\$ _____
101 PREPARING R.O.W. 1 LUMP SUM- Percent of the <u>Line Item "A"</u> Sub total Base Bid written in words _____ Percent (Maximum of 5% of the <u>Line Item "A"</u> Sub-total Base Bid amount)	_____	\$ _____
MOBILIZATION AND PREPARING ROW SUB-TOTAL		\$ _____

Job No. 09-2501
Far West Sewer Relief Main (FW-01)
Solicitation No. B-11-052-RA

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "A" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "A" Sub-total Base Bid amount. The Line Item "A" Sub-total base bid is defined as all bid items **EXCLUDING** Item 100, Mobilization and Item 101, Preparing Right-of-Way. **In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

**TOTAL BID AMOUNT (Line Item "A", Mobilization
& Preparing Right of Way)**

\$ _____

_____ **DOLLARS AND**

_____ **CENTS**

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within 180 calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**
Complete the additional requirements of the Proposal which are included on the following pages.

**SAWS SEWER CONSTRUCTION ESTIMATE
FOR JOINT BID PROJECT ONLY**

DESCRIPTION: FAR WEST SEWER RELIEF MAIN
JOB NUMBER: 09-2501
DATE: 4/8/2011



SAWS WATER CONSTRUCTION ESTIMATE			
ITEM NO.	DESCRIPTION	QUAN.	UNIT
100.00	Mobilization	1	LS
101.00	Preparing Right of Way	1	LS
550	Trench Excavation, Safety Protection	533	LF
818	8" PVC Waterline "	533	LF
828	8" Gate Valves	2	EA
831	8" x 8" Tee Cut In	2	EA
841	Hydrostatic Testing	1	EA
844	2" Blowoff, Temporary	2	EA
856.1	Jacking, Boring, or Tunneling 24"	225	LF
856.2	8" Carrier Pipe for Jacking, Boring, Tunneling	225	LF
856.3	Casing or Liner 24"	225	LF

SAWS SEWER CONSTRUCTION ESTIMATE			
ITEM NO.	DESCRIPTION	QUAN.	UNIT
550	Trench Excavation Safety Protection	2691	LF
848	10" PVC Sanitary Sewer Line (6'-10")	310	LF
848	12" PVC Sanitary Sewer Line (6'-10")	350	LF
848	21" PVC Sanitary Sewer Line (6'-10")	710	LF
848	24" PVC Sanitary Sewer Line (0'-6')	1374	LF
848	27" PVC Sanitary Sewer Line (6'-10')	111	LF
848	30" PVC Sanitary Sewer Line (0'-6')	250	LF
848	30" PVC Sanitary Sewer Line (6'-10')	1828	LF
850	Sanitary Sewer Structures - Junction Box (JB-1)	1	EA
850	Sanitary Sewer Structures - Siphon Box (S1-I)	1	EA
850	Sanitary Sewer Structures - Siphon Box (S1-O)	1	EA
850	Sanitary Sewer Structures - Siphon Box (S2-I)	1	EA
850	Sanitary Sewer Structures - Siphon Box (S2-O)	1	EA
850	Sanitary Sewer Structure (0' - 6')	5	EA

852.1	Sanitary Sewer Manhole (0' - 6')	1	EA
852.3	Extra Depth Manholes (> 6')	3	VF
856.1	Jacking, Boring, or Tunneling 24"	225	LF
856.1	Jacking, Boring, or Tunneling 36"	225	LF
856.1	Jacking, Boring, or Tunneling 42"	450	LF
856.2	12" Carrier Pipe for Jacking, Boring, Tunneling	225	LF
856.2	21" Carrier Pipe for Jacking, Boring, Tunneling	225	LF
856.2	24" Carrier Pipe for Jacking, Boring, Tunneling	450	LF
856.3	Casing or Liner 24"	225	LF
856.3	Casing or Liner 36"	225	LF
856.3	Casing or Liner 42"	450	LF
858	Concrete Encasement, Cradles, Saddles and Collars	29	CY
862	Abandonment of Sanitary Sewer Manholes	5	EA
866	Sewer Main Television Inspection (18" - 24")	1374	LF
866	Sewer Main Television Inspection (30")	2189	LF
520.1	Hydro Seed, Native Grass	28504	SF

STORM WATER POLLUTION PREVENTION PLAN			
ITEM NO.	DESCRIPTION	QUAN.	UNIT
540.1	ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 3)	150	LF
540.6	CONSTRUCTION EXISTS (INSTALL/REMOVE)	334	SY
540.9	TEMPORARY SEDIMENT CONTROL FENCE	3210	LF

NOTE:
ALL SEWER SERVICES ARE LOCATED USING S.A.W.S. BLOCK MAPS, FIELD VERIFICATION OF LOCATION IS RESPONSIBILITY OF CONTRACTOR. LOCATION INDICATED ON PLANS IS DISTANCE FROM DOWN SLOPE MANHOLE.

COYLE
ENGINEERING
INTEGRITY KNOWLEDGE RESPONSIVENESS
9120 Old Dietz Elkhorn Road T.210-691-8434
San Antonio, Texas 78015 F.830-755-8435
PHASE D

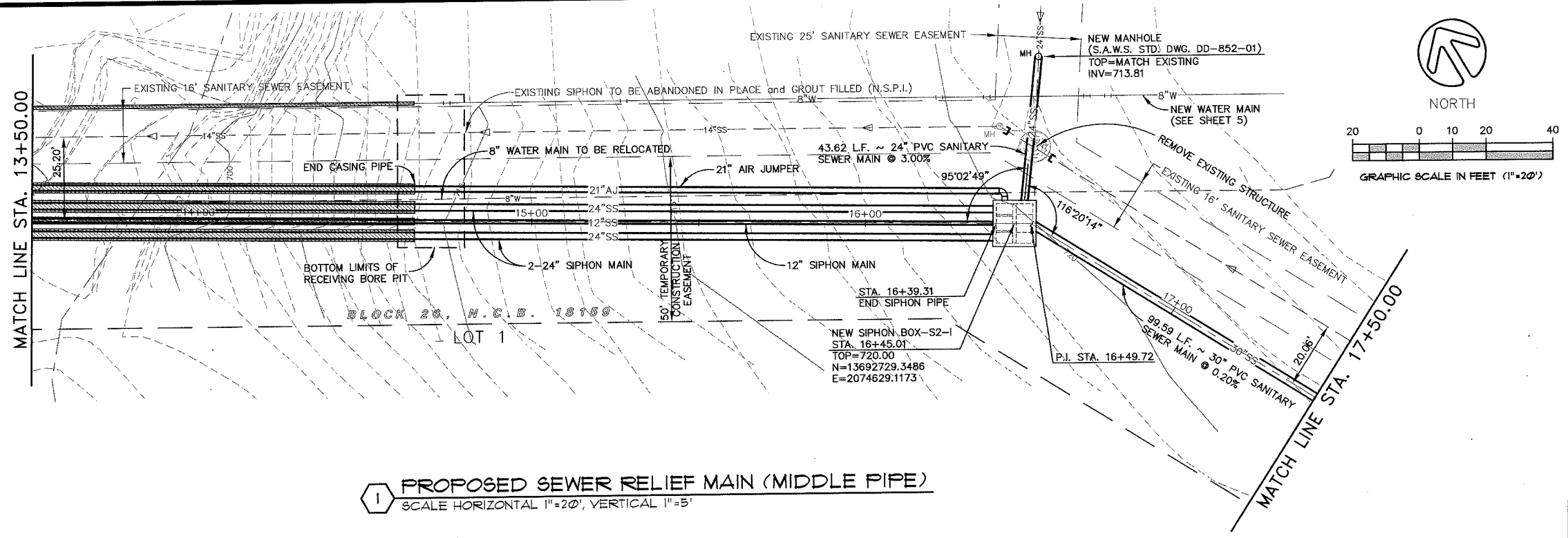
REGISTRATION No. F-1755



QUANTITY SUMMARY			
PROP. WATER MAIN	0'-6" CL.W.		
EXIST. WATER MAIN	2"		
GAS MAIN	8" SA		
SANITARY SEWER	24" ST		
STORM SEWER			
UTILITY POLE LINE			
ELECTRIC CABLE			
TELEPHONE CABLE			

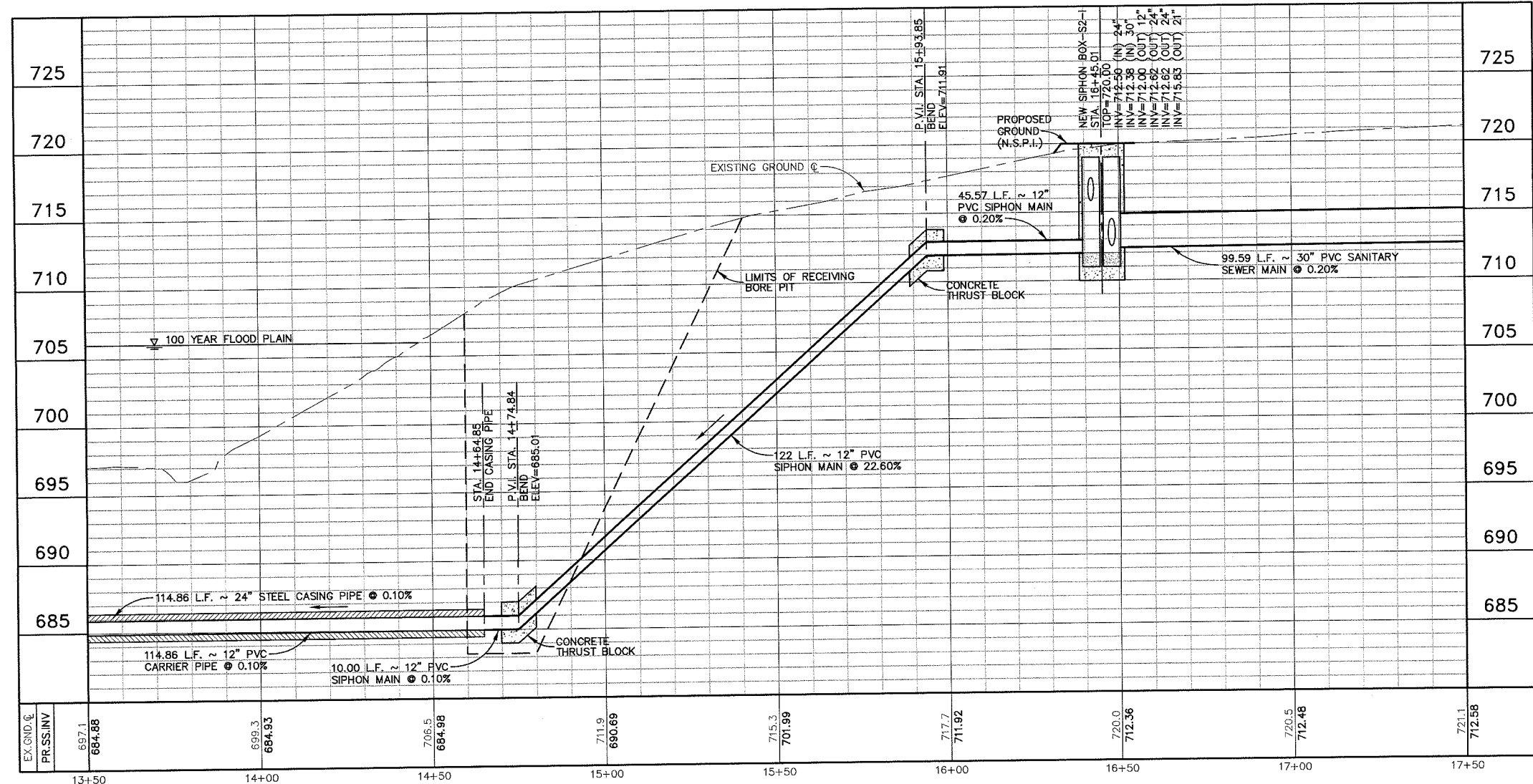
No.	Revision	Drawn	Approved	Date
2	ADDENDUM #3			10/5/11
1	ADDENDUM #2			10/3/11

REVISIONS	
	FAR WEST SEWER RELIEF MAIN (FW-01)
SAN ANTONIO WATER SYSTEM	
CONT.	BUDGET PROJ.
SUBMITTED	
APPROVED	
MAP No. 104-566, 106-566, 108-568, 108-570	SHEET 3
SECT. No.	3
DR. TM CK. HMC	JOB No. 09-2501 OF 48



PROPOSED SEWER RELIEF MAIN (MIDDLE PIPE)
SCALE HORIZONTAL 1"=20', VERTICAL 1"=5'

NOTE:
SEE SIPHON BOX DETAILS ON SHEETS 22, 24-31



C.P.S. ENERGY UTILITIES NOTE:

CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, C.P.S. ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING C.P.S. ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREA (N.S.P.I.)

SHEET NOTES:

- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THESE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE, AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANE DURING CONSTRUCTION.
- ALL SEWER MAIN PIPE SHALL BE IN ACCORDANCE WITH S.A.W.S. STANDARDS. SEWER SERVICES SHALL BE SDR26 PVC UNLESS OTHERWISE NOTED.
- ABANDON 24" SANITARY SEWER MAIN IN PLACE WITHOUT GROUT. CAP 24" MAIN AT MANHOLE AND ABANDON MANHOLES PER ITEM No. 862, SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS. GROUT AND ABANDON SIPHON MAINS IN PLACE.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL / SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

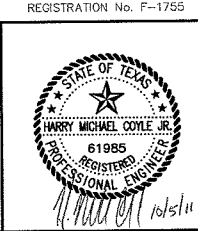
TREE NOTES:

- CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
- NO TREES SHALL BE REMOVED BY THE CONTRACTOR UNLESS SPECIFICALLY AUTHORIZED BY THE CITY OF SAN ANTONIO.

SHEETS 10, 11, & 12 TOTALS

ITEM	EST.	UNIT	DESCRIPTION
550	270	LF	TRENCH EXCAVATION SAFETY PROTECTION
848	178	LF	12" PVC SANITARY SEWER SDR 26
848	198	LF	21" PVC SANITARY SEWER SDR 26
848	400	LF	24" PVC SANITARY SEWER SDR 26
848	100	LF	30" PVC SANITARY SEWER SDR 26
850	1	EA	CAST-IN-PLACE SIPHON BDX (S2-1)
852.1	1	EA	SANITARY SEWER MANHOLE (0-6)
852.3	3	VF	EXTRA DEPTH MANHOLES (0-6)
856.1	115	LF	24" JACKING, BORING, or TUNNELING
856.1	115	LF	42" JACKING, BORING, or TUNNELING
856.2	230	LF	42" JACKING, BORING, or TUNNELING
856.2	115	LF	12" PVC CARRIER PIPE FOR JACKING, BORING, TUNNELING
856.2	115	LF	21" PVC CARRIER PIPE FOR JACKING, BORING, TUNNELING
856.2	230	LF	24" PVC CARRIER PIPE FOR JACKING, BORING, TUNNELING
856.3	115	LF	24" STEEL CASING or LINER
856.3	115	LF	36" STEEL CASING or LINER
856.3	230	LF	42" STEEL CASING or LINER
858	6	CY	CONCRETE THRUST BLOCKING

COYLE ENGINEERING
INTEGRITY KNOWLEDGE RESPONSIVENESS
9120 Old Dietz Elkhorn Road T.210-691-8434
San Antonio, Texas 78015 F.830-755-8435
PHASE D



PROPOSED SEWER RELIEF MAIN STA. 13+50.00 TO 17+50.00

UTILITY LEGEND

PROP. WATER MAIN	— 8" C.L.W. —
EXIST. WATER MAIN	— 2" C —
GAS MAIN	— 8" SA —
SANITARY SEWER	— 24" ST —
STORM SEWER	— 24" ST —
UTILITY POLE LINE	— UT —
ELECTRIC CABLE	— E —
TELEPHONE CABLE	— T —

2	ADDENDUM No. 3	TH	10/5/11
1	ADDENDUM No. 2	TH	10/3/11
No.	Revision	Drawn	Approved

REVISIONS

FAR WEST SEWER RELIEF MAIN (FW-01)
SAN ANTONIO WATER SYSTEM
CONT. BUDGET PROJ.
SUBMITTED _____
APPROVED _____
MAP No. 104-566, 106-566, 106-568, 106-570 SHEET 10
SECT. No. 10
DR. MVT CK. HMC JOB No. 09-2501 OF 48

C.P.S. ENERGY UTILITIES NOTE:

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 THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING C.P.S. ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREA (N.S.P.I.)

SHEET NOTES:

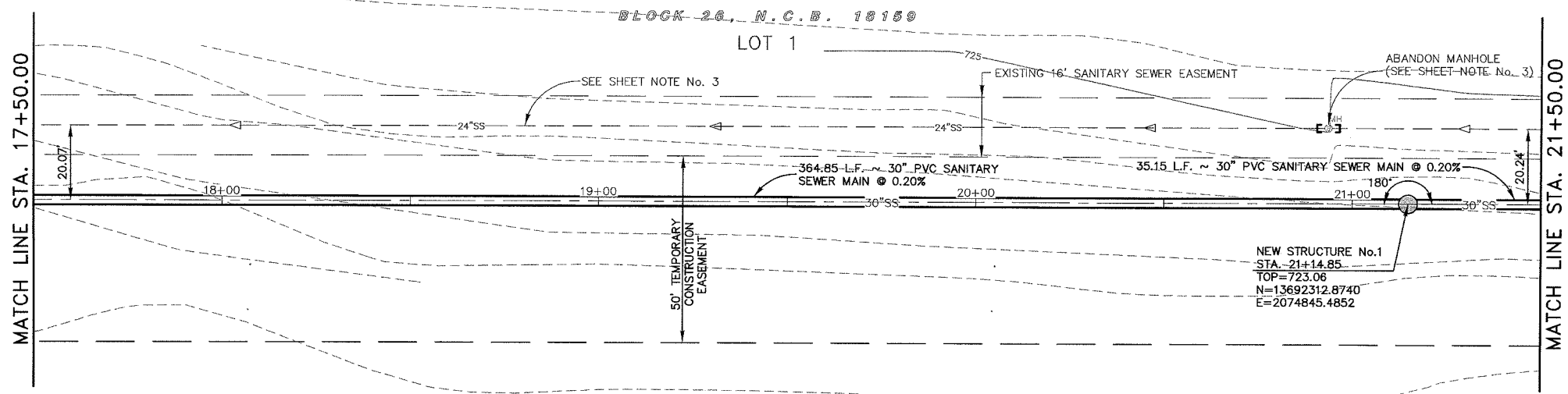
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- ALL SEWER MAIN PIPE SHALL BE IN ACCORDANCE WITH S.A.W.S. STANDARDS. SEWER SERVICES SHALL BE SDR26 PVC UNLESS OTHERWISE NOTED.
- ABANDON 24" SANITARY SEWER MAIN IN PLACE WITHOUT GROUT, CAP 24" MAIN AT MANHOLE AND ABANDON MANHOLE'S PER ITEM No. 862. SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS, GROUT AND ABANDON SIPHON MAINS IN PLACE.

TRENCH EXCAVATION SAFETY PROTECTION:

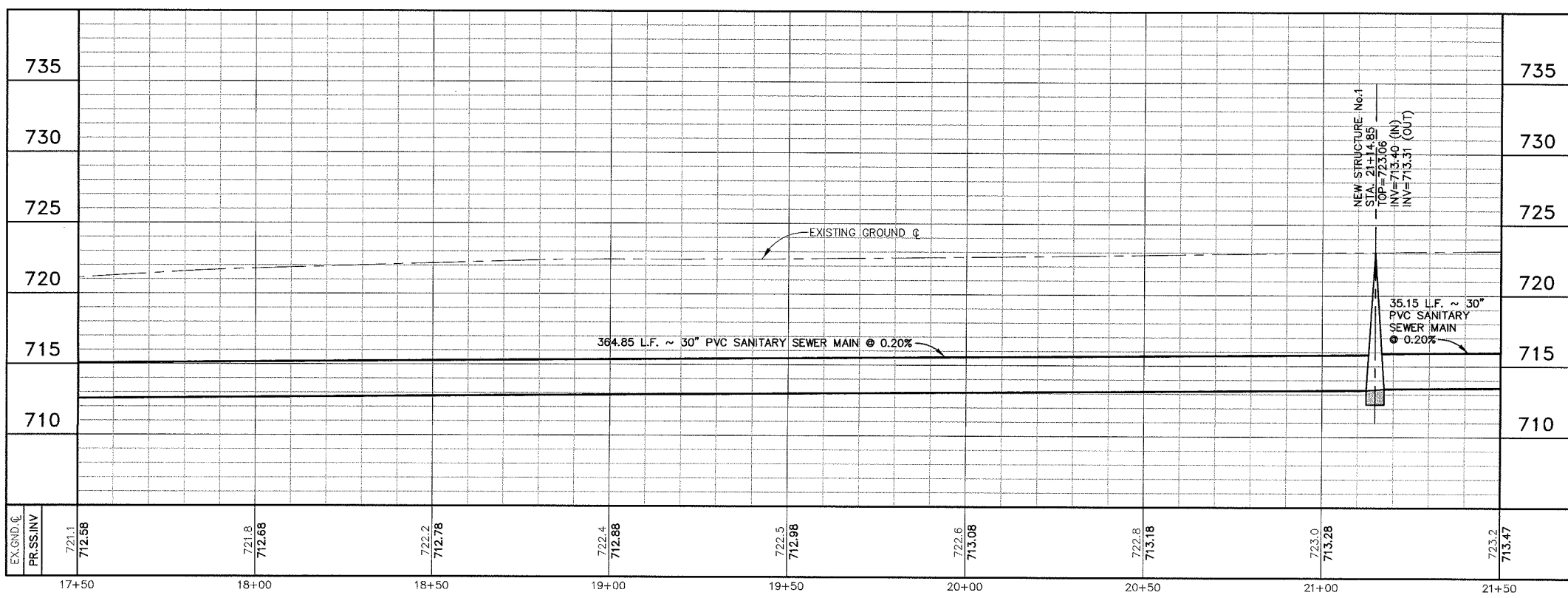
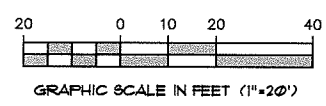
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL / SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

TREE NOTES:

- CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
- NO TREES SHALL BE REMOVED BY THE CONTRACTOR UNLESS SPECIFICALLY AUTHORIZED BY THE CITY OF SAN ANTONIO.



1 PROPOSED SEWER RELIEF MAIN
 SCALE HORIZONTAL 1"=20', VERTICAL 1"=5'



SHEET TOTALS				
ITEM	EST.	UNIT	DESCRIPTION	
848	400	LF	30" PVC SANITARY SEWER MAIN SDR 26	
550	400	LF	TRENCH EXCAVATION SAFTY PROTECTION	
850	1	EA	SANITARY SEWER STRUCTURE	
862	1	EA	ABANDON MANHOLE	

COYLE ENGINEERING
 INTEGRITY KNOWLEDGE RESPONSIVENESS
 9120 Old Dietz Elkhorn Road T.210-691-8434
 San Antonio, Texas 78015 F.830-755-8435

REGISTRATION No. F-1755

 HARRY MICHAEL COYLE, JR.
 61985
 REGISTERED PROFESSIONAL ENGINEER

PHASE D

PROPOSED SEWER RELIEF MAIN STA. 17+50.00 to 21+50.00

UTILITY LEGEND				
PROP. WATER MAIN	— 6" CLW —	12"		
EXIST. WATER MAIN	— 6" CLW —	12"		
GAS MAIN	— 2" C —			
SANITARY SEWER	— 8" SA —			
STORM SEWER	— 24" ST —			
UTILITY POLE LINE	— U —			
ELECTRIC CABLE	— E —			
TELEPHONE CABLE	— UT —			

ADDENDUM NO. 3
 No. Revision Drawn Approved Date

REVISIONS

FAR WEST SEWER RELIEF MAIN (FW-01)

SAN ANTONIO WATER SYSTEM

CONT. BUDGET PROJ.

SUBMITTED _____
 APPROVED _____

MAP No. 104-568, 106-566, 106-568, 106-570 SHEET 13
 SECT. No. 13
 DR. MVT CK. HMC JOB No. 09-2501 OF 48

Y:\09044-00 (SAMS For West)\CAD\DWG\FarWest-SS3.dwg 2011/10/05 3:12pm

C.P.S. ENERGY UTILITIES NOTE:

CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, C.P.S. ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING C.P.S. ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREA (N.S.P.I.)

SHEET NOTES:

1. THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THESE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE, AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTOR HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANE DURING CONSTRUCTION.

2. ALL SEWER MAIN PIPE SHALL BE IN ACCORDANCE WITH S.A.W.S. STANDARDS. SEWER SERVICES SHALL BE SDR26 PVC UNLESS OTHERWISE NOTED.

3. ABANDON 24" SANITARY SEWER MAIN IN PLACE WITHOUT GROUT. CAP 24" MAIN AT MANHOLE AND ABANDON MANHOLES PER ITEM No. 862, SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS. GROUT AND ABANDON SIPHON MAINS IN PLACE.

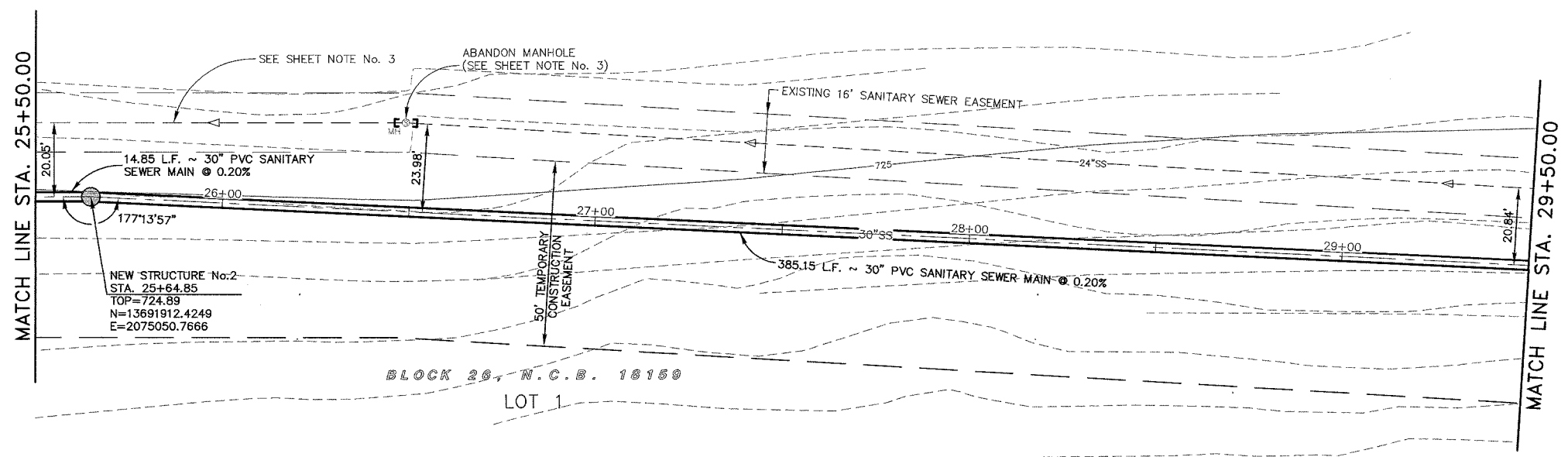
TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL / SAFETY / EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

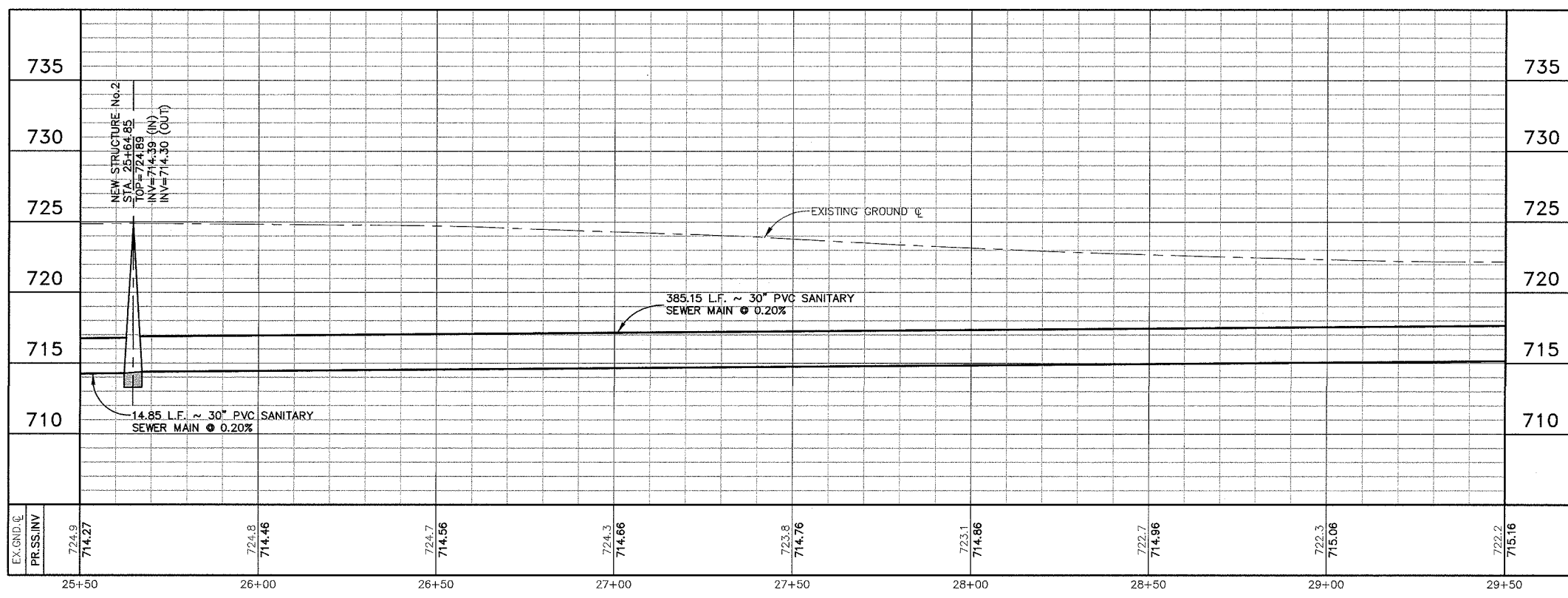
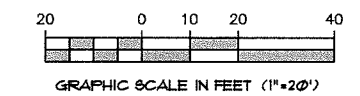
TREE NOTES:

1. CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.

2. NO TREES SHALL BE REMOVED BY THE CONTRACTOR UNLESS SPECIFICALLY AUTHORIZED BY THE CITY OF SAN ANTONIO.



PROPOSED SEWER RELIEF MAIN
SCALE HORIZONTAL 1"=20', VERTICAL 1"=5'



SHEET TOTALS			
ITEM	EST.	UNIT	DESCRIPTION
848	400	LF	30" PVC SANITARY SEWER MAIN SDR 26
550	400	LF	TRENCH EXCAVATION SAFETY PROTECTION
850	1	EA	SANITARY SEWER STRUCTURE
862	1	EA	ABANDON MANHOLE

COYLE ENGINEERING
INTEGRITY KNOWLEDGE RESPONSIVENESS
9120 Old Dietz Elkhorn Road T.210-691-8434
San Antonio, Texas 78015 F.830-755-8435

REGISTRATION No. F-1755

PHASE D

PROPOSED SEWER RELIEF MAIN STA. 25+50.00 to 29+50.00

UTILITY LEGEND			
PROP. WATER MAIN	—	UT	UTILITY
EXIST. WATER MAIN	—	UT	UTILITY
GAS MAIN	—	UT	UTILITY
SANITARY SEWER	—	UT	UTILITY
STORM SEWER	—	UT	UTILITY
UTILITY POLE LINE	—	UT	UTILITY
ELECTRIC CABLE	—	UT	UTILITY
TELEPHONE CABLE	—	UT	UTILITY

REVISIONS			
No.	Revision	Drawn	Approved
1	APPENDUM No. 3	JM	HMC
			10/5/11

FAR WEST SEWER RELIEF MAIN (FW-01)

SAN ANTONIO WATER SYSTEM
CONT. BUDGET PROJ.

SUBMITTED _____
APPROVED _____

MAP No. 104-566, 106-566, 106-568, 106-570 SHEET 15
SECT. No. _____ OF 48
DR. MVT CK. HMC JOB No. 09-2501

C.P.S. ENERGY UTILITIES NOTE:

CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

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SHEET NOTES:

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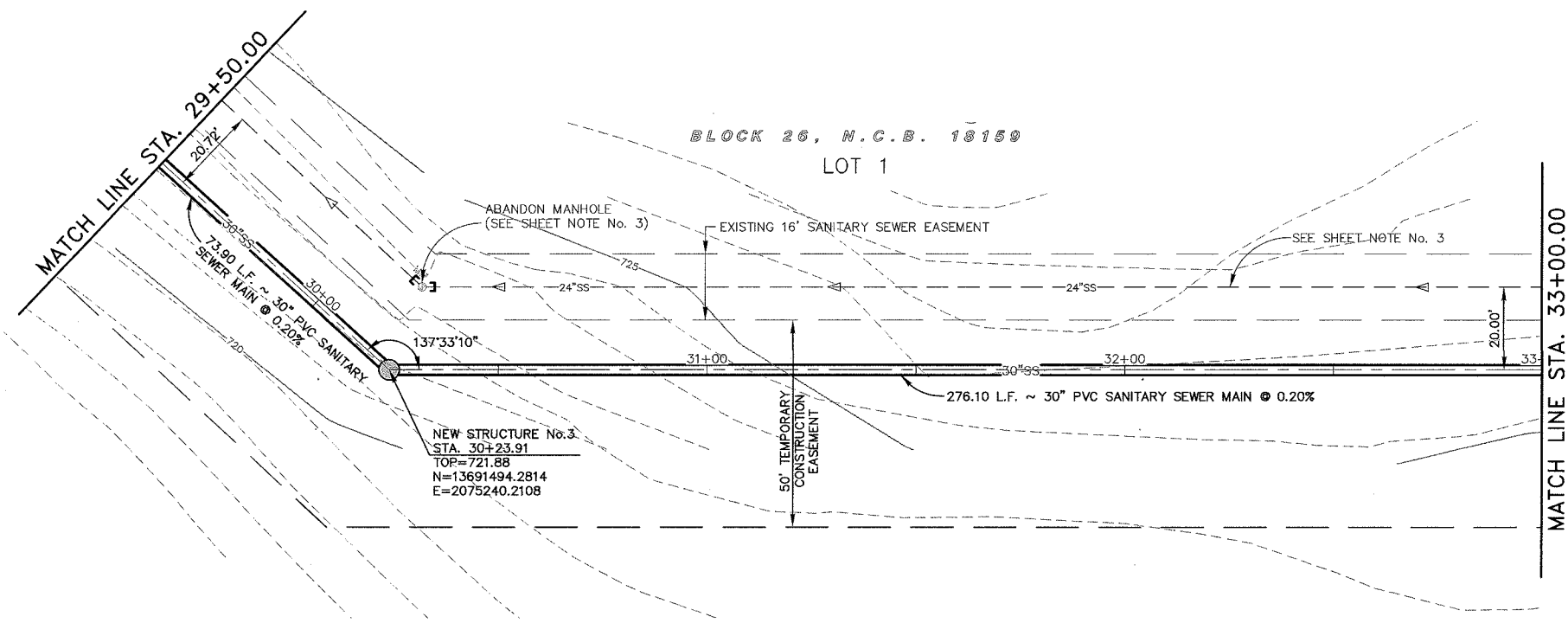
3. ABANDON 24" SANITARY SEWER MAIN IN PLACE WITHOUT GROUT. CAP 24" MAIN AT MANHOLE AND ABANDON MANHOLES PER ITEM No. 862, SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS. GROUT AND ABANDON SIPHON MAINS IN PLACE.

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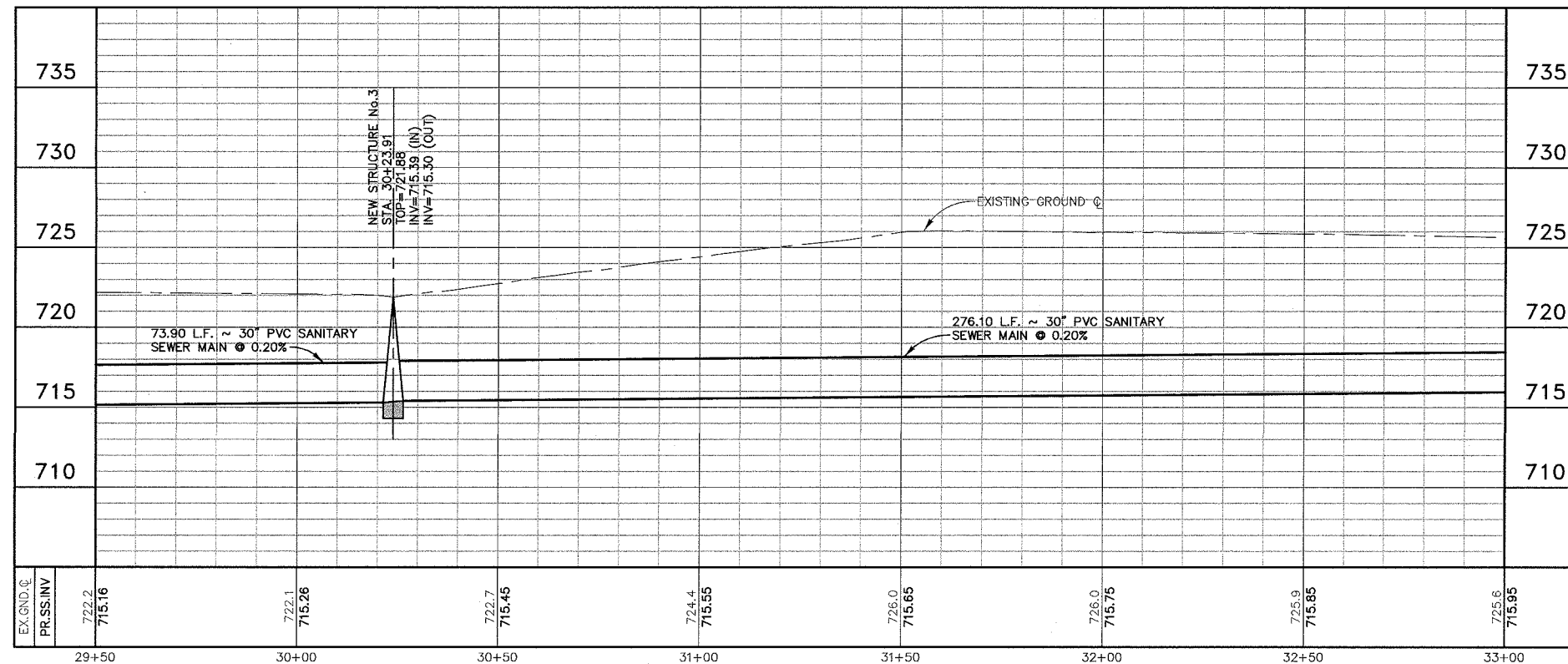
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PROPOSED SEWER RELIEF MAIN
SCALE HORIZONTAL 1"=20', VERTICAL 1"=5'



NORTH



SHEET TOTALS				
ITEM	EST.	UNIT	DESCRIPTION	
848	350	LF	30" PVC SANITARY SEWER MAIN SDR 26	
550	350	LF	TRENCH EXCAVATION SAFETY PROTECTION	
850	1	EA	SANITARY SEWER STRUCTURE	
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COYLE
ENGINEERING
INTEGRITY KNOWLEDGE RESPONSIVENESS
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San Antonio, Texas 78015 F.830-755-8435

PHASE D

REGISTRATION No. F-1755

PROPOSED SEWER RELIEF MAIN STA. 29+50.00 to 33+00.00

UTILITY LEGEND			
PROP. WATER MAIN	— 6" C.I.W. —	2"	2"
EXIST. WATER MAIN	— 6" C.I.W. —	2"	2"
GAS MAIN	— 2" G. —	2"	2"
SANITARY SEWER	— 8" S.A. —	2"	2"
STORM SEWER	— 24" S.T. —	2"	2"
UTILITY POLE LINE	— U.P.L. —	2"	2"
ELECTRIC CABLE	— E.C. —	2"	2"
TELEPHONE CABLE	— T.C. —	2"	2"

REVISIONS			
No.	Revision	Drawn	Approved
3	Appendix No. 3	MVC	HMC
SAN ANTONIO WATER SYSTEM			
CONT. BUDGET PROJ.			
SUBMITTED _____			
APPROVED _____			
MAP No. 104-566, 106-566, 108-568, 108-570			SHEET
SECT. No. 16			OF 48
DR. MVT	CK. HMC	JOB No. 09-2501	

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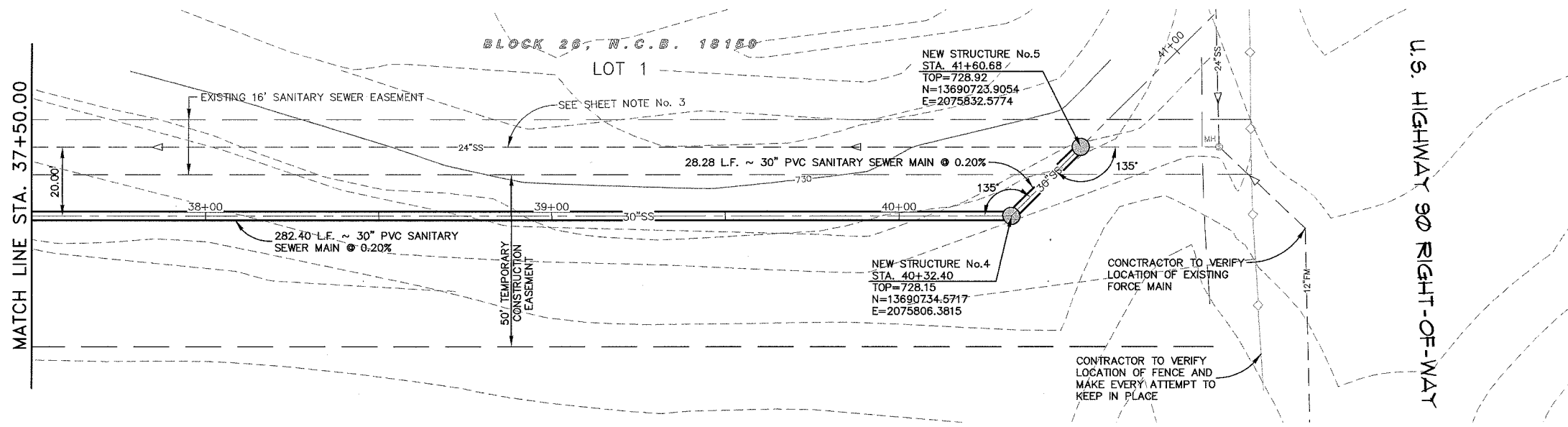
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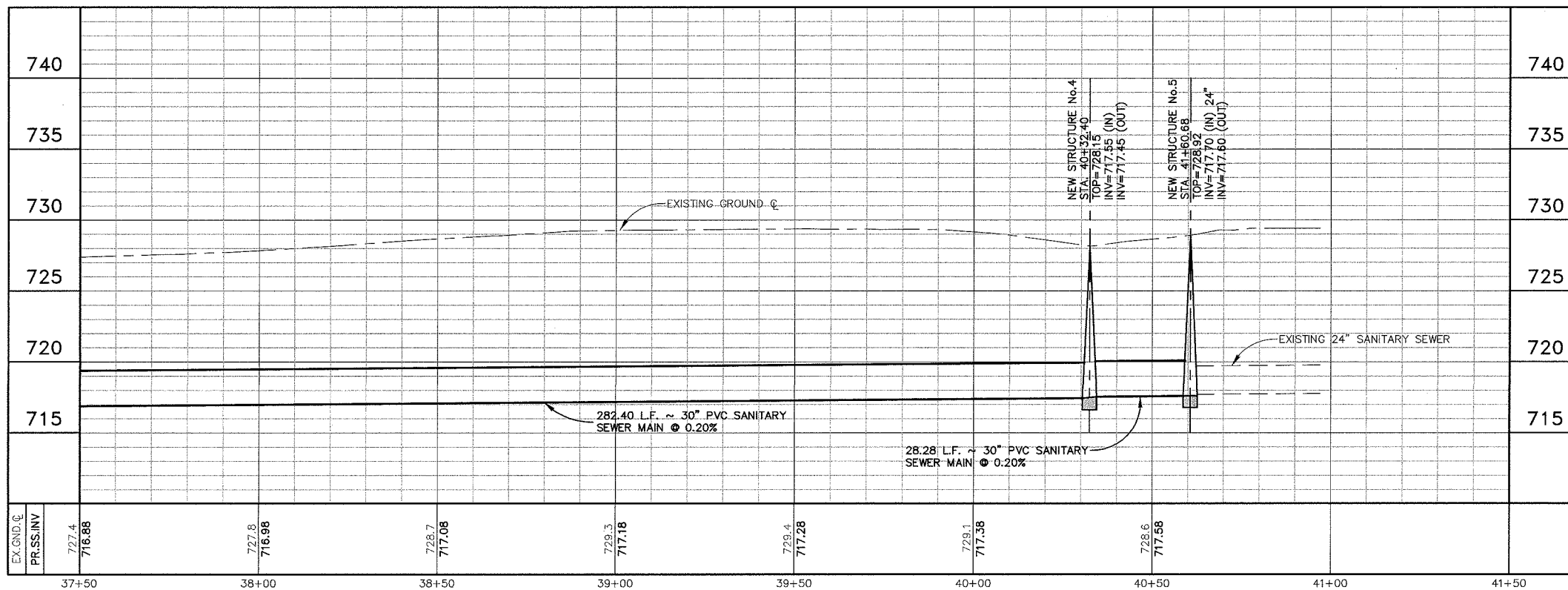
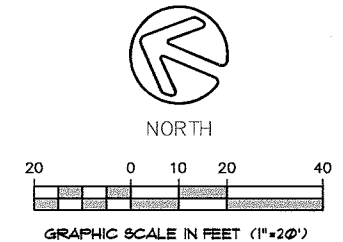
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COYLE ENGINEERING
INTEGRITY KNOWLEDGE RESPONSIVENESS
9120 Old Dietz Elkhorn Road T.210-691-8434
San Antonio, Texas 78015 F.830-755-8435

PHASE D
100% SUBMITTAL

REGISTRATION No. F-1755
HARRY MICHAEL COYLE JR.
REGISTERED PROFESSIONAL ENGINEER
61985

PROPOSED SEWER RELIEF MAIN STA. 37+50.00 to 41+00.68

UTILITY LEGEND

- PROP. WATER MAIN
- EXIST. WATER MAIN
- GAS MAIN
- SANITARY SEWER
- STORM SEWER
- UTILITY POLE LINE
- ELECTRIC CABLE
- TELEPHONE CABLE

REVISIONS

No.	Revision	Drawn	Approved	Date
1	ADDENDUM #3	TU	MS	11/5/11

FAR WEST SEWER RELIEF MAIN (FW-01)

SAN ANTONIO WATER SYSTEM
CONT. BUDGET PROJ.

SUBMITTED _____
APPROVED _____

MAP No. 104-566, 106-566, 106-570 SHEET
SECT. No. 21
DR. MVT CK. HMC JOB No. 09-2501 OF 48

X:\09044-00 (SAMS For West)\CAD\FarWest-SSR.dwg 2011/10/05 3:17pm