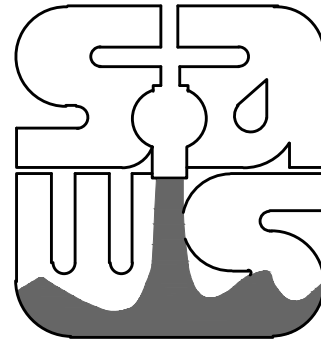


PLANS FOR SANITARY SEWER MAIN CONSTRUCTION

RECORD DRAWING
THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.
BY: [Signature]
DATE: 03-19-2019

CONFORMED DOCUMENTS



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Engineer:

Kimley»Horn

TBPE Firm Registration No. F-928
601 NW Loop 410, Suite 350, San Antonio, TX 78216 210-541-9166

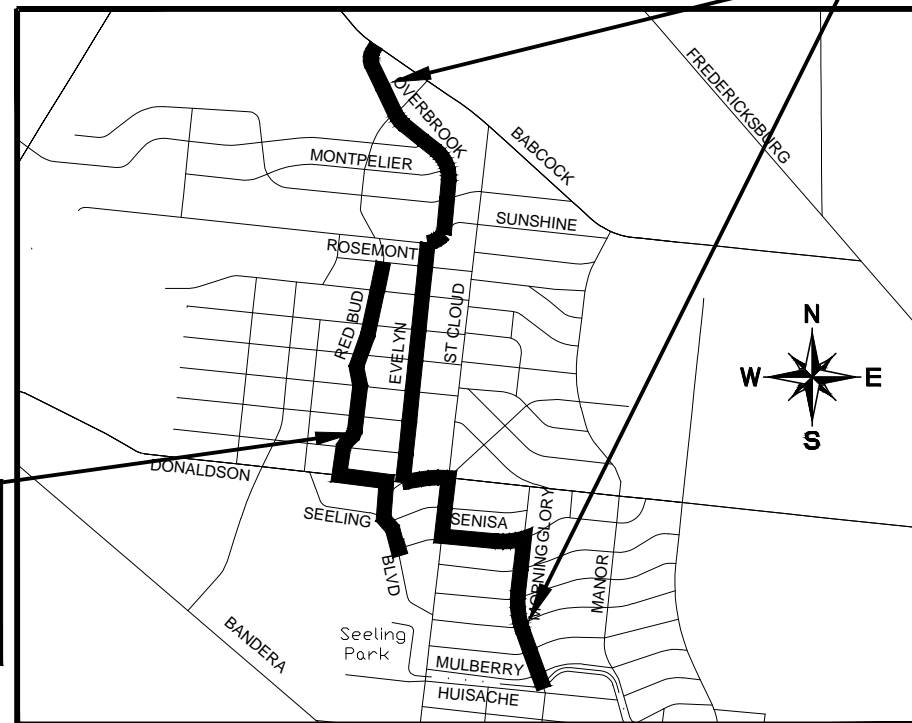
C-12 DONALDSON TERRACE PROJECT

JOB No. ~~12-5608~~ 13-2506

MARCH 2019

PROPOSED IMPROVEMENTS

PROPOSED ABANDONMENT AND REMOVAL



LOCATION MAP

N.T.S.

SURVEYOR

KFW Engineering and Surveying
14603 Huebner Rd.
San Antonio, Texas 78230
TBPE Firm Registration No. 9413

SUBSURFACE UTILITY ENGINEER

Lina T. Ramey and Associates, Inc.
1349 Empire Central, Suite 900
Dallas, TX 75247
TBPE Firm Registration No. 782

ENVIRONMENTAL CONSULTANT

Cox|McLain Environmental Consulting, Inc.
6010 Balcones Drive Suite 210
Austin, TX 78731

GEOTECHNICAL ENGINEER

Arias & Associates, Inc.
142 Chula Vista
San Antonio, Texas 78232
TBPE Firm Registration No. 32

CIVIL ENGINEER

K Friese & Associates, Inc.
1120 S. Capital of Texas Hwy,
Cityview 2, Suite 100
Austin, Texas 78746
TBPE Firm Registration No. 6535

CIVIL ENGINEER

S&G Civil Engineers
8400 Blanco Rd., Suite 201
San Antonio, Texas 78216
TBPE Firm Registration No. 8038

AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: ~~03-19-2019~~ 03-28-2019
CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

MATERIALS NOTE

FRP PIPE: HOBAS PIPE USA
PVC PIPE: DIAMOND PLASTICS CORPORATION
FRP MANHOLES: L.F. MANUFACTURING, INC.
RING AND COVER: EJ USA, INC.
PRECAST MANHOLE: CAPITAL PRECAST
STEEL CASING: PIPE INDUSTRIES CORPORATION

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

SOLICITATION No. CO-0060

G1

KHA NO. 068665011

C-12 DONALDSON TERRACE PROJECT

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SAWS General Sewer Notes

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
 - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM"; TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER"; TAC TITLE 30 PART 1 CHAPTER 290.
 - CURRENT SAN ANTONIO WATER SYSTEM "STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
 - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION."
 - CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL"
- THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 233-3500 AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 UTILITY LOCATE:
 SAWS UTILITY LOCATES: 233-2009
 SAWS PRODUCTION CONTROL CENTER: 233-2016
 COSA DRAINAGE: 207-8048
 COSA TRAFFIC SIGNAL OPERATIONS: 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR: 1-800-545-6005 OR 811
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOWS (SSO) OCCUR AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
 - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER IMMEDIATELY AT 210-233-2015. PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
 - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
 - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT POSSIBLE TO PREVENT CONTAMINATION OF WATERWAYS.
 - CLEAN UP THE SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND DISPOSE OF CONTAMINATED SOIL/MATERIALS.
 - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
 - MEET ALL POST-SSO REQUIREMENTS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISIONING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.
 - SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM THE EPA.
- WHERE NEW SEWER LINES CROSS WATERLINES OR RECLAIMED WATER LINES AND ARE INSTALLED WITH A SEPARATION DISTANCE OF LESS THAN NINE FEET (I.E., WATER/RECLAIMED WATER LINES CROSSING WASTEWATER LINES, WATER/RECLAIMED WATER LINES PARALLELING WASTEWATER LINES, OR WATER/RECLAIMED WATER LINES NEXT TO MANHOLES) THE INSTALLATION MUST MEET THE REQUIREMENTS OF 30 TAC 217.53(D) (PIPE DESIGN), 30 TAC 290.44(E) (WATER DISTRIBUTION), AND 30 TAC 210.25 (SPECIAL DESIGN CRITERIA FOR RECLAIMED WATER SYSTEMS).
- ANY WORK COMPLETED WITHOUT PRIOR AUTHORIZATION WHICH IS NOT INCLUDED IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO WATER SYSTEM.
- SANITARY SEWER SERVICE LATERAL CONNECTIONS:
 - THE EXACT LOCATION AND ELEVATION OF THE SERVICE LATERALS AND MANHOLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. NO SEPARATE PAY ITEM (N.S.P.I.).
 - A MINIMUM OF 3 FEET OF COVER IS TO BE MAINTAINED OVER THE SANITARY SEWER LATERALS AT SUBGRADE.
 - ALL SEWER LATERALS SERVICES FOR FUTURE CONNECTIONS AS IDENTIFIED ON THE PLANS SHALL HAVE A ONE WAY CLEAN-OUT, CAPPED AND SEALED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE DURING CONSTRUCTION OF THE SEWER WORK (N.S.P.I.).
 - LATERALS SHALL BE CONSTRUCTED TO SERVE ALL EXISTING HOUSES AND PLATTED VACANT LOTS.
- THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION ITEM NO. 864, "BYPASS PUMPING". PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM "SANITARY SEWER (BYPASS PUMPING)" AS PER STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION ITEM NO. 864, "BYPASS PUMPING". THE CONTRACTOR SHALL PROVIDE IN WRITING A SEQUENCE OF BYPASS PUMPING FOR REVIEW AND APPROVAL BY THE INSPECTIONS DEPARTMENT. REFER TO THE CONSTRUCTION PLANS FOR THE CONSTRUCTION PHASING AND DIVERSION REQUIREMENTS. THE CONTRACTOR SHALL ALSO PROVIDE A DETAILED SKETCH SHOWING THE LOCATION OF BYPASS PUMPING EQUIPMENT FOR EACH LINE SEGMENT(S) AROUND WHICH FLOWS ARE BEING BYPASSED, ALONG WITH THE SPECIFICATION OF PUMPING EQUIPMENT, TYPE, SIZE, CAPACITY, AND AMOUNT OF PUMP REQUIRED TO HANDLE THE PEAK WET WEATHER FLOW.
- NOTIFY JEFFREY SUPPLEE AT 210-233-3569 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE SMART COVER/FLOW METER. ANY DAMAGE DONE TO THE SMART COVER/FLOW METER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.
- THE CONTRACTOR SHALL DEWATER ALL TRENCHES IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION ITEM NO. 804, "EXCAVATION, TRENCHING AND BACKFILL". ALL SUBSURFACE CONDITIONS, INCLUDING BUT NOT LIMITED TO GROUNDWATER AND/OR UNSTABLE SOIL CONDITIONS, SHALL BE MITIGATED BY THE CONTRACTOR, AS REQUIRED, IN ORDER TO INSTALL THE SANITARY SEWER PER THE SPECIFICATIONS AND THE CONTRACT DOCUMENTS. ALL ADDITIONAL WORK REQUIRED TO MEET THE INTENT OF THE SPECIFICATION AND THE CONTRACT DOCUMENTS SHALL BE AT NO ADDITIONAL COST TO SAWS (N.S.P.I.).

General Notes

- WITHIN THE LIMITS OF CONSTRUCTION AND/OR ACCESS TO THE PROJECT, THE CONTRACTOR WILL ENCOUNTER TRASH, DEBRIS, DUMPED OBJECTS, AND OTHER WASTE MATERIAL. THE CONTRACTOR WILL BE REQUIRED TO PROPERLY DISPOSE OF THESE MATERIALS AT AN APPROVED LOCATION. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST.
- THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THESE PLANS AND SPECIFICATIONS.
- THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES, INCLUDING SERVICE LATERALS, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION AND 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 CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGES DONE TO EXISTING LANDSCAPING AND DRAINAGE INLETS TO THE ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO SAWS.
- THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY ARBORIST AT 207-0278 FOR GUIDANCE. THE SAWS INSPECTOR SHALL ALSO BE NOTIFIED. TRIMMING AND ANY OTHER ADJUSTMENTS TO EXISTING TREES SHALL BE PERFORMED TO THE SATISFACTION OF THE CITY ARBORIST & SAWS AT NO ADDITIONAL COST.
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210)233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD SAWS AND THE CONSULTANT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF SAWS OR CONSULTANT.
- CONTRACTOR IS REQUIRED TO VERIFY PROJECT ELEVATIONS. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENT.
- THE CONTRACTOR SHALL FURNISH ALL ASSISTANCE REQUIRED OF HIM BY ALL INSPECTORS IN OBTAINING SAMPLES AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR TO PERFORM ALL TESTS REQUIRED BY SAWS AND TCEQ. ADDITIONAL TESTS WILL BE DONE BY TV CAMERA BY THE CONTRACTOR AND OBSERVED BY INSPECTOR, AND SAWS' WASTEWATER ENGINEERING PERSONNEL, AS THE CAMERA IS RUN THROUGH THE LINES. ANY ABNORMALITIES, SUCH AS BROKEN PIPE OR MISALIGNED JOINTS, MUST BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR TO PROVIDE TV TAPES TO CONSTRUCTION INSPECTION FOR REVIEW PRIOR TO FINAL INSPECTION OF THE PROJECT.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES AND CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- REMOVAL OF EXISTING SEWER LINES TO BE REPLACED WITH PROPOSED LINES IN THE SAME TRENCH AT THE SAME OR SHALLOWER GRADE SHALL BE SUBSIDIARY TO THE COST OF THE PROPOSED SEWER LINES (NO SEPARATE PAY ITEM).
- THE CONTRACTOR SHALL MAINTAIN SERVICE TO EXISTING SANITARY SEWERS AT ALL TIMES DURING CONSTRUCTION.
- ELECTRICAL LINES ARE LOCATED IN THE PROJECT AREA. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO STATE LAW (HEALTH AND SAFETY CODE, TITLE 9, SUBTITLE A, CHAPTER 752) CONCERNING CONSTRUCTION OPERATIONS IN THE VICINITY OF ELECTRICAL LINES AND THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND SAN ANTONIO WATER SYSTEM.
- THESE PLANS, PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF KIMLEY-HORN AND ASSOCIATES, INC.'S LICENSED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THE WORK. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS.
- CONTRACTOR TO ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OR WORK. REQUIRED PERMITS THAT CAN ONLY BE ISSUED TO CONTRACTOR ARE TO BE OBTAINED AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES WITH APPLICABLE UTILITY COMPANY OR COMPANIES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
- CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, AND CONTROL POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PUBLIC SURVEYOR IN THE STATE OF TEXAS AT NO ADDITIONAL COST TO SAWS.
- EXISTING PAVING, BUILDINGS, AND OTHER ITEMS SHOWN ON PLANS NOT SPECIFICALLY RELATED TO THE WORK OF THE CONTRACT ARE FOR INFORMATIONAL PURPOSES ONLY.
- ANY CHANGES OR REVISIONS TO THESE PLANS MUST FIRST BE SUBMITTED TO SAWS FOR REVIEW AND WRITTEN APPROVAL.

- NO SEPARATE PAY FOR ITEMS REQUIRED BY NOTES ON THIS SHEET, UNLESS INCLUDED ON PROPOSAL FORM.
- ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM FOR ASBESTOS CEMENT PIPE.
- THE SAWS INSPECTOR WILL ADDRESS ALL LIMITS FOR CURB, SIDEWALK, AND TREE PROTECTION BEYOND WHAT IS CONSIDERED INCIDENTAL TO NORMAL UTILITY CONSTRUCTION. ALL COMMUNICATION FROM THE CITY WILL BE COORDINATED THROUGH THE SAWS INSPECTOR. SAWS INSPECTOR WILL DETERMINE IF ADDITIONAL COMPENSATION IS WARRANTED IF LIMITS EXCEED INCIDENTALS.
- CONTRACTOR SHALL BE AWARE THAT EXISTING UTILITIES MAY IMPACT THE METHOD OF TRENCHLESS INSTALLATION. THE INTENT IS FOR THE CONTRACTOR TO USE A MEANS OF JACKING, BORING, OR TUNNELING TO FIT IN THE FOOTPRINT AVAILABLE.
- IN ALL AREAS WHERE AN EXISTING PAVED SURFACE (SUCH AS A ROADWAY, DRIVEWAY, OR SIDEWALK) ARE TO BE IMPACTED BY CONSTRUCTION. THE CONTRACTOR SHALL SAW-CUT THE PAVED SURFACE, ASSURING CLEAN & STRAIGHT CUT TO FULL DEPTH OF THE PAVED SURFACE.
- IN ALL AREAS WHERE SIDEWALK, CURB, OR DRIVEWAY IS TO BE REPLACED, THE CONTRACTOR SHALL REMOVE AT NEAREST JOINT (N.S.P.I.).
- CONTRACTOR MAY ENCOUNTER CONCRETE ENCASEMENT IN THE IMMEDIATE VICINITY OF EXISTING MANHOLES. ANY CONCRETE REMOVAL REQUIRED FOR THE PROPER INSTALLATION OF PROPOSED SEWER MAIN AND TIE-INS SHALL BE AT NO ADDITIONAL COST TO THE OWNER. (N.S.P.I.)*
- ALL SANITARY SEWER MANHOLES SHALL BE WATERTIGHT.
- ALL ROADWAYS WITH LANE STRIPING SHALL BE RE-STRIPED TO MATCH THE EXISTING PATTERN.
- ALL ROADS WITH 4 INCH WHITE BROKEN LINES AND REFLECTORS SHALL BE RE-STRIPED IN ACCORDANCE WITH TXDOT ITEM 666 2003.

TRAFFIC CONTROL

- BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE CURRENT TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ARE TO BE GENERALLY LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES. DURING THE PROGRESS OF WORK, THE CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL TRAFFIC.

NON-STANDARD WORKING HOURS

- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK OUTSIDE OF STANDARD WORKING HOURS. WORK OUTSIDE OF STANDARD WORKING HOURS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

EXCAVATION

- 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 AREAS IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.
- THE CONTRACTOR SHALL COMPLY WITH THE APPROVED COSA FLOODPLAIN PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.

BORING

- THE CONTRACTOR SHALL SECURE ALL BORE AREAS AND RECEIVING PITS WITH SECURITY FENCING AND ALL PROPER SAFETY MEASURES (N.S.P.I.).

RECORDS

- THE CONTRACTOR SHALL MAINTAIN A NEAT AND ACCURATE RECORD OF CONSTRUCTION FOR THE ENGINEER'S RECORDS. THE CONTRACTOR SHALL PROVIDE ENGINEER WITH FULL SIZE REPRODUCIBLE MARKUPS THAT RECORD ALL CONSTRUCTION DEVIATING FROM THE PLANS.



ABANDONMENT/REMOVAL OF OLD MAINS AND MANHOLES

- ABANDONMENT OF SANITARY SEWER MAINS AND MANHOLES SHALL BE IN ACCORDANCE WITH SAWS SPECIFICATION NO. 862.
- WHERE EXISTING SEWER LINES TO BE REPLACED BY PROPOSED LINES ARE PARTIALLY IN THE PROPOSED TRENCH, OR COMPLETELY OUT OF THE PROPOSED TRENCH, THE EXISTING SEWER SHALL BE ABANDONED AND PAID FOR IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS FOR WATER & SANITARY SEWER CONSTRUCTION ITEM NO. 862. "ABANDONMENT OF SEWER MAINS AND MANHOLES". IN LOCATIONS WHERE THE EXISTING SANITARY SEWER LINES ARE PARTIALLY WITHIN THE TRENCH AND REQUIRE ABANDONMENT, THE CONTRACTOR WILL BE REQUIRED TO MAKE ALL NECESSARY ADDITIONAL PAVEMENT REPLACEMENT AT NO ADDITIONAL COST (NO SEPARATE PAY ITEM).

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

RECORD DRAWING THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION. BY: <i>Jeffrey A. Farnsworth</i> DATE: 03-19-2019		 Texas Registered Firm, No. 928 601 NW Loop 410 Suite 350 San Antonio, TX 78216 Tel No. 210-541-9166 Fax No. 210-541-8699	
No.	Revision	By	Date
 SAN ANTONIO WATER SYSTEM		C-12 DONALDSON TERRACE PROJECT SHEET GENERAL NOTES (SHEET 1 OF 2)	
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. G2	
DESIGN: JAF	KHA PROJECT NO. 068665011		
DRAWN: ABC			
CHECKED: VRS			

PLOTTED BY: RIVERA, DANIELA 3/19/2019 2:47 PM
 JAWF NAME: K:\SAA\UTILITIES\068665011\CONSTRUCTION\CD\CD\AS-BUILT\C-12 SHEETS\GENERAL NOTES_C-12-068665011.DWG
 DATE: 3/19/2019 2:47 PM

General Notes (Cont.)

SUPPLEMENTARY

- 40. ALL ASTM D-3754 SANITARY SEWER PIPE SHALL HAVE A MINIMUM PRESSURE RATING OF 150 PSI.
- 41. NO EXTRA-PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS BUT NOT INCLUDED ON THE BID SCHEDULE. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED UNDER THE PAY ITEM TO WHICH IT RELATES.
- 42. WORK COMPLETED BY THE CONTRACTOR WHICH HAS NOT RECEIVED A WORK ORDER OR THE NOTICE TO PROCEED FROM THE ENGINEER AND INSPECTOR WILL BE SUBJECT TO REMOVAL AND REPLACEMENT BY AND AT THE EXPENSE OF THE CONTRACTOR.
- 43. NO MORE THAN 200 LINEAR FEET OF TRENCH EXCAVATION IN ADVANCE OF THE UTILITY WILL BE ALLOWED AT A TIME.
- 44. INSPECTOR MUST CALL FOR BACKFILL INSPECTIONS.
- 45. DENSITY REPORTS MUST BE SUBMITTED TO THE INSPECTOR WITHIN 24 HOURS OF TESTING.

CPS ENERGY NOTE:

- 46. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- 47. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.
- 48. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND CPS VALVES THAT ARE IN THE PROJECT AREA.
- 49. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH CPS TO BRACE POWER POLES. ANY POLES WITHIN 10 FEET OF CONSTRUCTION SHALL BE REVIEWED WITH CPS TO DETERMINE IF BRACING IS REQUIRED (NO SEPARATE PAY ITEM).

AT&T:

- 50. THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

GENERAL SEWER NOTES:

- 51. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA (NO SEPARATE PAY ITEM).
- 52. ALL GRADES ARE CALCULATED TO THE CENTERLINE OF MANHOLE FOR MANHOLES WITH A 0.1 FOOT DROP. MANHOLES WITH POINT OF INTERSECTION SHALL HAVE 0.1 FOOT DROP PLUS INCREASE FOR PIPE GRADES. RESULTING DROP BETWEEN PIPES ACROSS ENTIRE MANHOLE WILL BE THE SUM OF THE 0.1 FOOT DROP AND THE TWO INTERSECTION PIPE GRADES MULTIPLIED BY THE RADIUS FOR ALL MANHOLES SPECIFIED IN THE PLANS TO HAVE A DROP. (TOTAL DROP ACROSS MANHOLE = 0.1 + GRADE1(R) + GRADE2(R))

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

- 53. A CONSTRUCTION SITE NOTICE SHALL BE POSTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 54. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN A CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITY AS SPECIFIED IN THE SWPPP.
- 55. A COPY OF THE SWPPP, INCLUDING CONTRACTOR CERTIFICATIONS AND ANY REVISIONS, SHALL BE SUBMITTED TO THE CITY AND FILED WITH THE CONSTRUCTION PLANS, AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
- 56. A NOTICE OF TERMINATION (N.O.T.) SHALL BE SUBMITTED TO THE TCEQ BY THE CONTRACTOR WHEN THE SITE HAS 100% OF THE DISTURBED AREAS STABILIZED AND THE SITE NO LONGER HAS STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, OR THE N.O.T. PERMITTEE OR CO-PERMITTEE.
- 57. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING, SUBMITTING, AND POSTING THE NOTICE OF INTENT AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH STATE RULES AND REGULATIONS.
- 58. CONTRACTOR SHALL OBTAIN AND MAINTAIN SWPPP THROUGHOUT THE ENTIRE DURATION OF CONSTRUCTION AND SURFACE IS RESTORED.
- 59. GRAVEL FILTER BAGS TO BE USED ALONG THE CURB WITHIN CONSTRUCTION LIMITS.

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

<p style="font-size: 8px;">RECORD DRAWING THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.</p> <p style="font-size: 8px;">BY: <i>[Signature]</i> DATE: 03-19-2019</p>	<div style="text-align: right;"> <h2 style="margin: 0;">Kimley»Horn</h2> <p style="font-size: 8px;">Texas Registered Firm, No. 928 601 NW Loop 410 Suite 350 San Antonio, TX 78216 Tel No. 210-541-9166 Fax No. 210-541-8699</p> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">No.</th> <th style="width: 70%;">Revision</th> <th style="width: 10%;">By</th> <th style="width: 10%;">Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <div style="text-align: center; margin-top: 20px;"> <p style="font-weight: bold; font-size: 12px;">C-12 DONALDSON TERRACE PROJECT</p> <p style="font-size: 10px;">SHEET</p> <p style="font-size: 14px; font-weight: bold;">GENERAL NOTES (SHEET 2 OF 2)</p> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 30%; font-size: 8px;">DATE: MARCH 2019</td> <td style="width: 40%; font-size: 8px;">SAWS PROJECT NO. 13-2506</td> <td rowspan="4" style="width: 30%; text-align: center; vertical-align: middle; font-size: 24px; font-weight: bold;">G3</td> </tr> <tr> <td style="font-size: 8px;">DESIGN: JAF</td> <td style="font-size: 8px;">KHA PROJECT NO.</td> </tr> <tr> <td style="font-size: 8px;">DRAWN: ABC</td> <td style="font-size: 8px;">068665011</td> </tr> <tr> <td style="font-size: 8px;">CHECKED: VRS</td> <td> </td> </tr> </table>	No.	Revision	By	Date					DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	G3	DESIGN: JAF	KHA PROJECT NO.	DRAWN: ABC	068665011	CHECKED: VRS	
No.	Revision	By	Date															
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	G3																
DESIGN: JAF	KHA PROJECT NO.																	
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CHECKED: VRS																		



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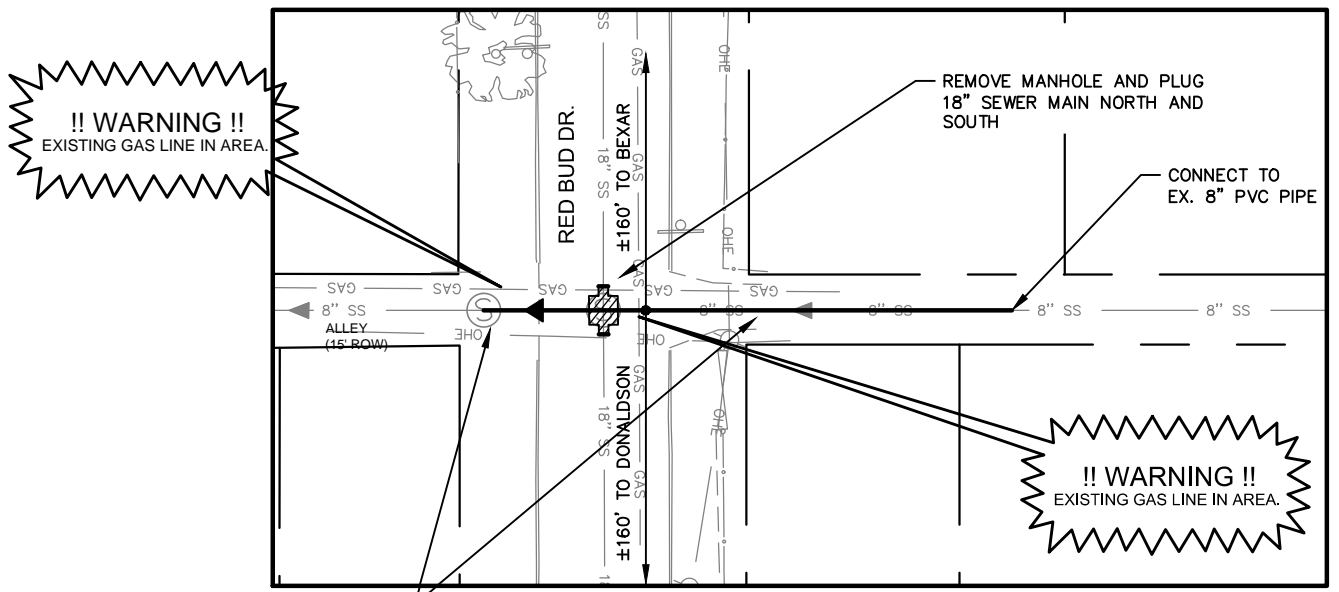
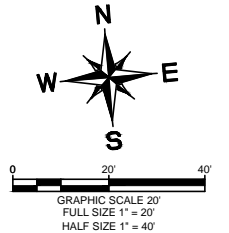
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.1	MOBILIZATION	LS	1
100.2	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION	EA	1
101.1	PREPARING RIGHT OF WAY	LS	1
103.1	REMOVE CONCRETE CURB	LF	928
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	2228
202	PRIME COAT	GAL	1672
203	TACK COAT	GAL	839
205	HOT MIX ASPHALTIC PAVEMENT (3" THICK) (TYPE D)	SY	2084
208	SALVAGING, HAULING, & STOCKPILING RECLAIMED ASPHALTIC PAVEMENT (3" THICK)	SY	2084
239	MICRO-SURFACING	SY	23632
500.4	CONCRETE CURB & GUTTER	LF	928
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SF	380
507	CHAINLINK FENCE	LF	567
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	5949
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 3" HMAC (TYPE D)	SY	851
515.1	TOPSOIL (4")	CY	51
516	SODDING	SY	2267
530	BARRICADE/SIGN/TRAFFIC HANDLING	LS	1
535.1	4-INCH WIDE YELLOW LINE	LF	4940
535.2	4-INCH WIDE WHITE LINE	LF	3141
535.7	24-INCH WIDE WHITE LINE	LF	75
535.13	STRAIGHT WHITE ARROW	EA	4
535.17	BICYCLE RIDER SYMBOL	EA	4
540	EROSION/SEDIMENTATION CONTROL	LS	1
540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	500
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	9711
666 2003	REFLECTIVE PAVEMENT MARKET TYPE I (WIDTH) 4 INCH (DOT)(100MIL)	LF	1040
848	8" SDR-26 (ASTM D-2241) PVC SANITARY SEWER LINE (6'-10')	LF	167
848	8" SDR-26 (ASTM D-2241) PVC SANITARY SEWER LINE (10'-14')	LF	658
848	24" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (6' - 10')	LF	559
848	24" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (10' - 14')	LF	1931
848	24" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (22' - 25')	LF	141
848	24" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (25' - 30')	LF	46
848	24" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (10' - 14')	LF	545
848	30" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (10' - 14')	LF	533
848	30" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (14' - 18')	LF	308
848	30" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (18' - 22')	LF	968
848	30" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (22' - 25')	LF	525
848	30" FRP (ASTM D-3262) (PS-72) SANITARY SEWER LINE (25' - 30')	LF	1557
848	30" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (10' - 14')	LF	52
848	30" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (14' - 18')	LF	291
848	30" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (18' - 22')	LF	948
848	30" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (22' - 25')	LF	418
848	30" FRP (ASTM D-3754) (PS-72) SANITARY SEWER LINE (25' - 30')	LF	121
852	STD. SANITARY SEWER MANHOLE (0'-6') (4' DIA.)	EA	3
852	STD. SANITARY SEWER MANHOLE (EXTRA DEPTH)	EA	6
853	SANITARY SEWER FRP MANHOLE (0'-6' DEPTH) (4' DIA.)	EA	13
853	SANITARY SEWER FRP DROP MANHOLE (0'-6' DEPTH) (4' DIA.)	EA	1
853	SANITARY SEWER FRP MANHOLE (0'-6' DEPTH) (6' DIA.)	EA	21
853	SANITARY SEWER DROP FRP MANHOLE (0'-6' DEPTH) (6' DIA.)	EA	7
853	SANITARY SEWER DROP FRP MANHOLE (EXTRA DEPTH)	VF	542
854	SANITARY SEWER LATERALS	LF	50
854	SANITARY SEWER TWO-WAY CLEANOUTS	EA	2
856.1	JACKING, BORING, OR TUNNELING 42"	LF	40
856.1	JACKING, BORING, OR TUNNELING 48"	LF	498
856.2	24" CARRIER PIPE (SANITARY SEWER)	LF	40
856.2	30" CARRIER PIPE (SANITARY SEWER)	LF	498
856.3	42" STEEL CASING	LF	40
856.3	48" STEEL CASING	LF	498

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
858	CONCRETE ENCASEMENT, CRADLES, SADDLES, AND COLLARS	CY	13
862	ABANDONMENT OF 18" SANITARY SEWER LINE	LF	4253
862	ABANDONMENT OF 21" SANITARY SEWER LINE	LF	172
864	BYPASS PUMPING	LS	1
866	SANITARY SEWER POST TELEVISION INSPECTION (8"-15")	LF	763
866	SANITARY SEWER POST TELEVISION INSPECTION (18"-24")	LF	3262
866	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	6219
1020	WATER MAIN BREAKS/LEAK REPAIRS	EA	10
3000	REMOVAL, TRANSPORTATION, AND DISPOSAL - AC PIPE	LF	100

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J LOUIS
CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS
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No.	Revision	By	Date
 SAN ANTONIO WATER SYSTEM		C-12 DONALDSON TERRACE PROJECT SHEET OVERALL QUANTITIES	
		DATE: MARCH 2019 DESIGN: JAF DRAWN: ABC CHECKED: VRS	SAWS PROJECT NO. 13-2506 KHA PROJECT NO. 068665011



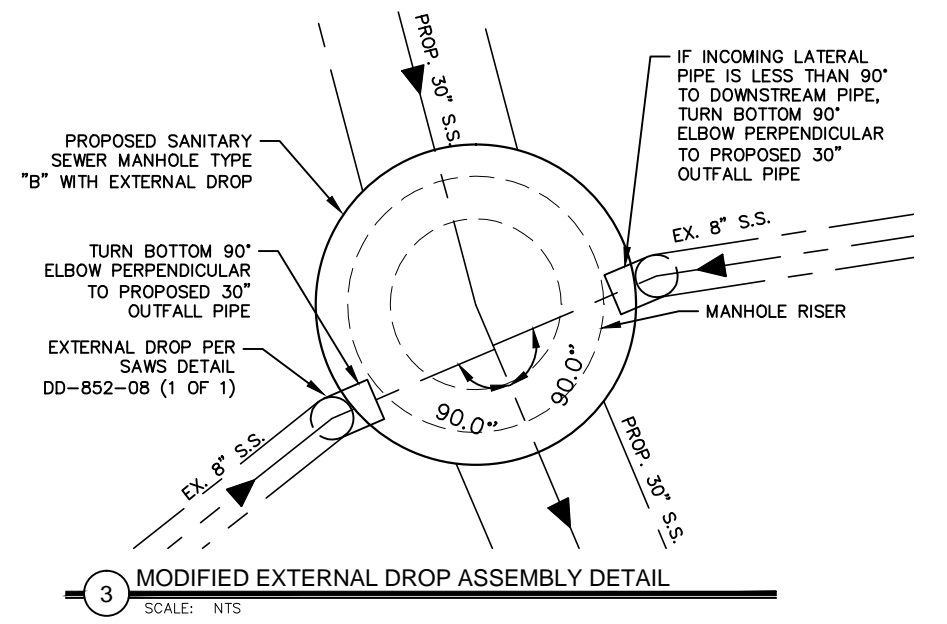
!! WARNING !!
EXISTING GAS LINE IN AREA.

!! WARNING !!
EXISTING GAS LINE IN AREA.

!! WARNING !!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

INSTALL ±110 LF 8" PVC SEWER @ ±0.4%

NOTE:
1. SEE REMOVAL AND ABANDONMENT PLAN (SHEET 2 OF 3) FOR LOCATION OF TIE-IN

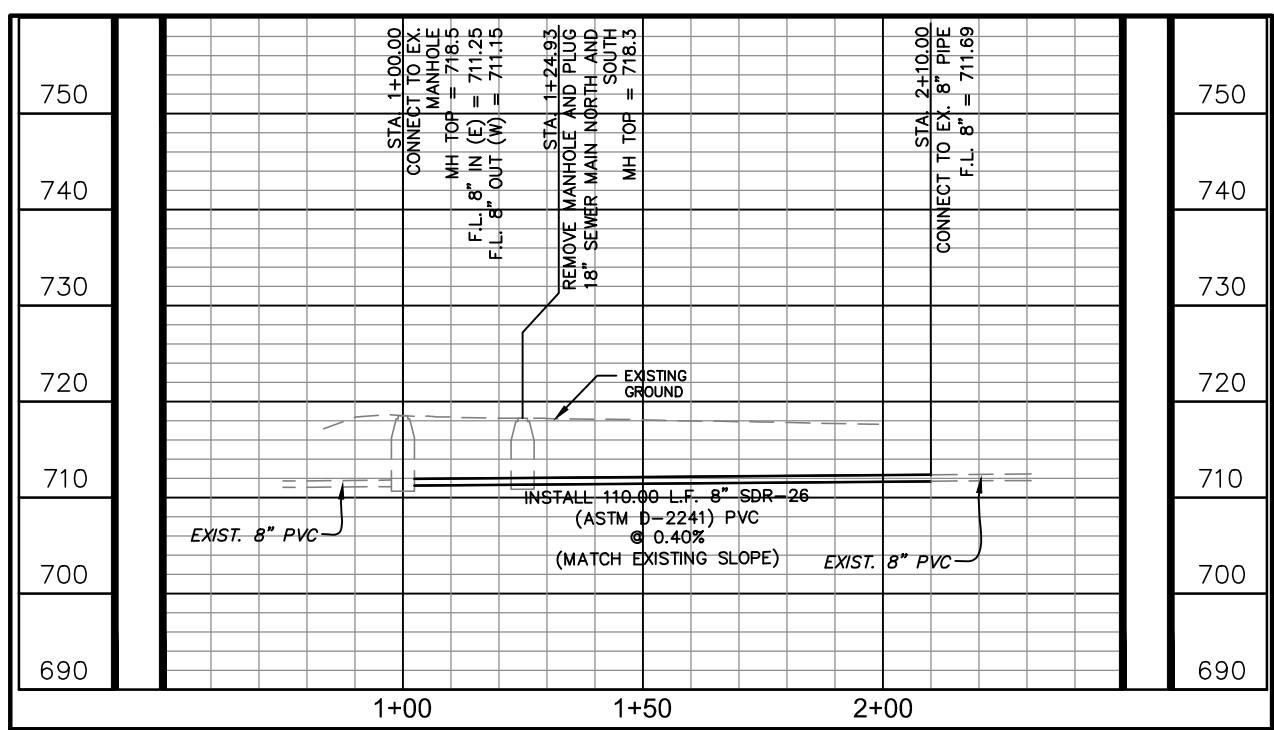


3 MODIFIED EXTERNAL DROP ASSEMBLY DETAIL
SCALE: NTS

SAWS STANDARD DETAILS INCORPORATED BY REFERENCE:

804	EXCAVATION, TRENCHING AND BACKFILL	DD-804-01, 02
848	SANITARY SEWERS	DD-848-01 (1 AND 2 OF 2)
850	SANITARY SEWER STRUCTURES	DD-850-01
852	SANITARY SEWER MANHOLES	DD-852-01 (1 AND 2 OF 2), 02, 03, 05-08
856	JACKING, BORING OR TUNNELING PIPE	DD-856-01 (1 OF 3), 02 (1, 2, AND 3 OF 3)
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	DD-858-01, 02
862	ABANDONMENT OF SEWER MAINS AND MANHOLES	
869	PROJECT SIGNS	DD-869-01

*CONTRACTOR TO VISIT SAWS WEBSITE (WWW.SAWS.ORG) FOR UPDATED DETAILS

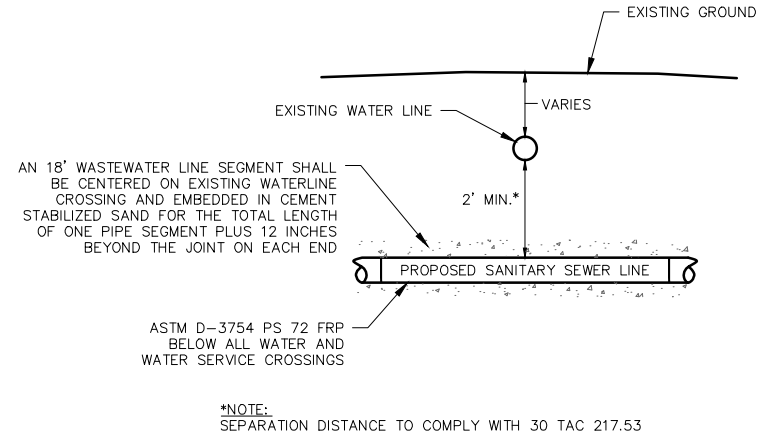


2 8" SEWER EXTENSION PLAN AND PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

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1 SEWER-WATER CROSSING DETAIL (N.S.P.I.)

SCALE: NTS

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Kimley»Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350 San Antonio, TX 78216
Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
SHEET
GENERAL DETAILS

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. G5
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA, DANIELA 3/19/2019 2:48 PM
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 DATE PLOTTED: 3/19/2019 2:48 PM

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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 CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

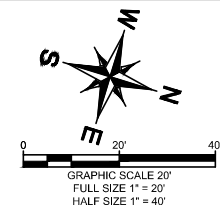
COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
UTILITY RELOCATES
PRODUCTION CONTROL CENTER
COSA DRAINAGE
COSA TRAFFIC SIGNAL OPERATIONS
TEXAS STATE WIDE ONE CALL LOCATOR

233-2009
233-2016
207-8052
207-7720
1-800-545-6005



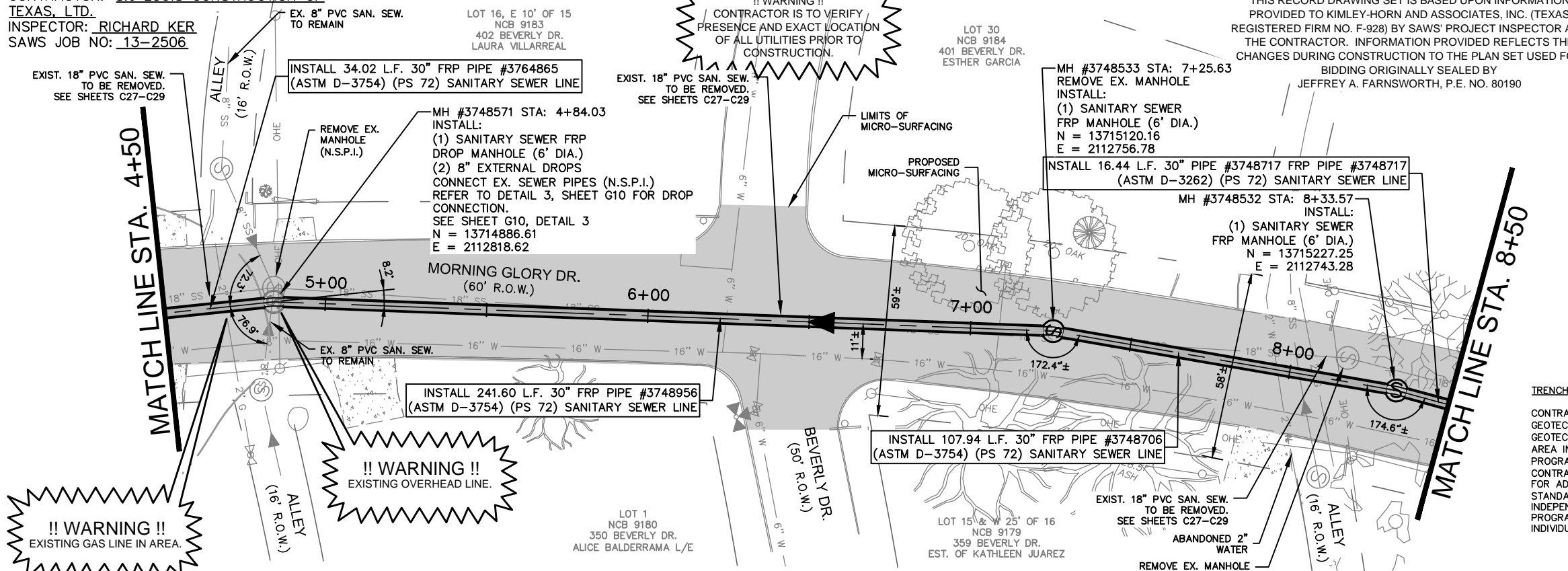
AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 03-19-2019

CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.

INSPECTOR: RICHARD KER

SAWS JOB NO: 13-2506



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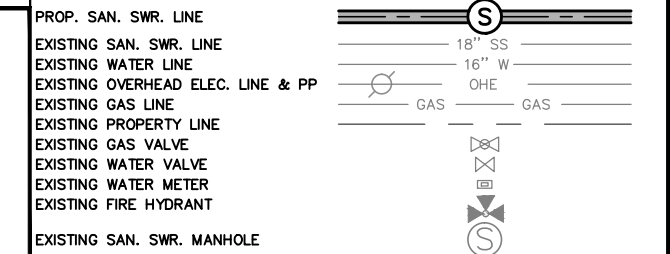
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1745
511.3	REPLACE PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
535.1	4-INCH WIDE YELLOW LINE	LF	680
535.2	4-INCH WIDE WHITE LINE	LF	680
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	17
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	283
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	100
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA.)	EA	2
853	SANITARY SEWER FRP DROP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	48
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30")	LF	400

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
FULL SIZE (22" x 34") HALF SIZE (11" x 17")
1" = 10' VERTICAL 1" = 20' VERTICAL



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BY: [Signature]
DATE: 03-19-2019

Kimley Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350 San Antonio, TX 78216
Tel No. 210-541-9166 Fax No. 210-541-8699

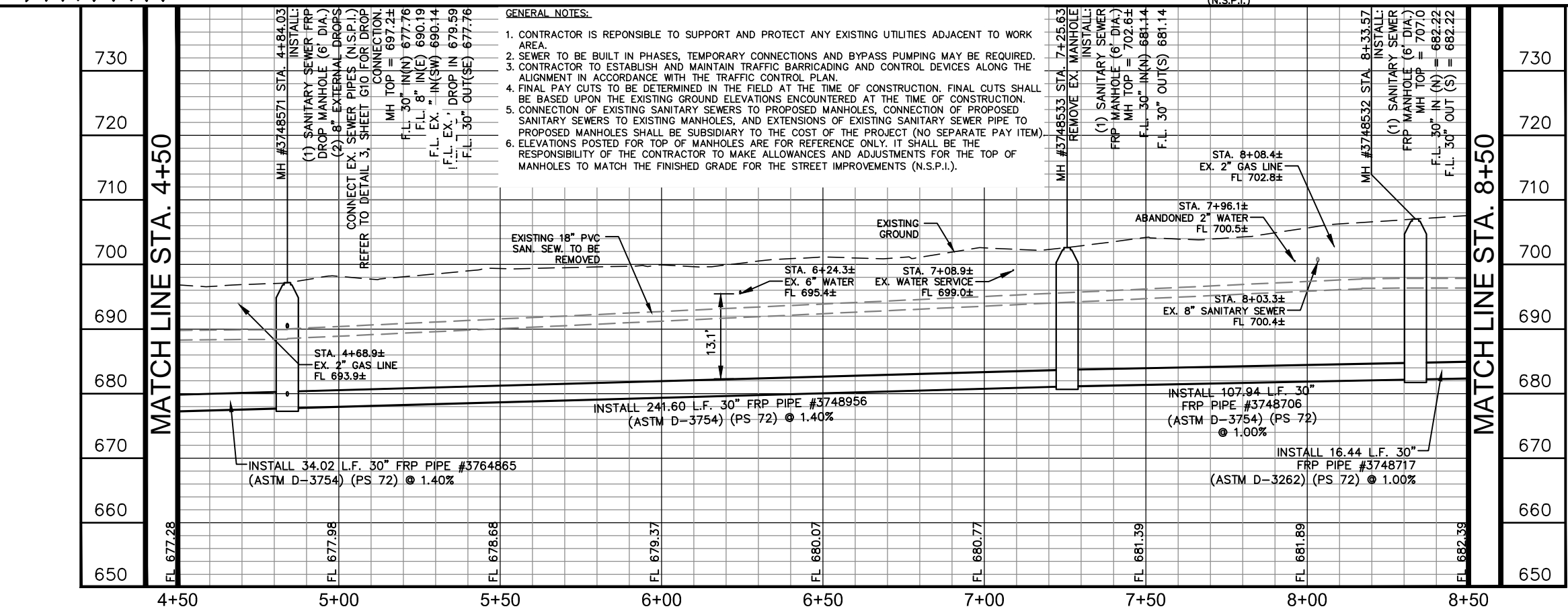
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 4+50 - STA. 8+50

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C2
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).



PLOTTED BY: RIVERA DANIELA 3/19/2019 2:53 PM
 K:\SNA UTILITIES\068665011\CONSTRUCTION\CHECKED AS-BUILT\C-12 SHEETS\08A-01E_C-12\068665011.DWG
 3/19/2019 10:08 AM
 25% SAVED

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

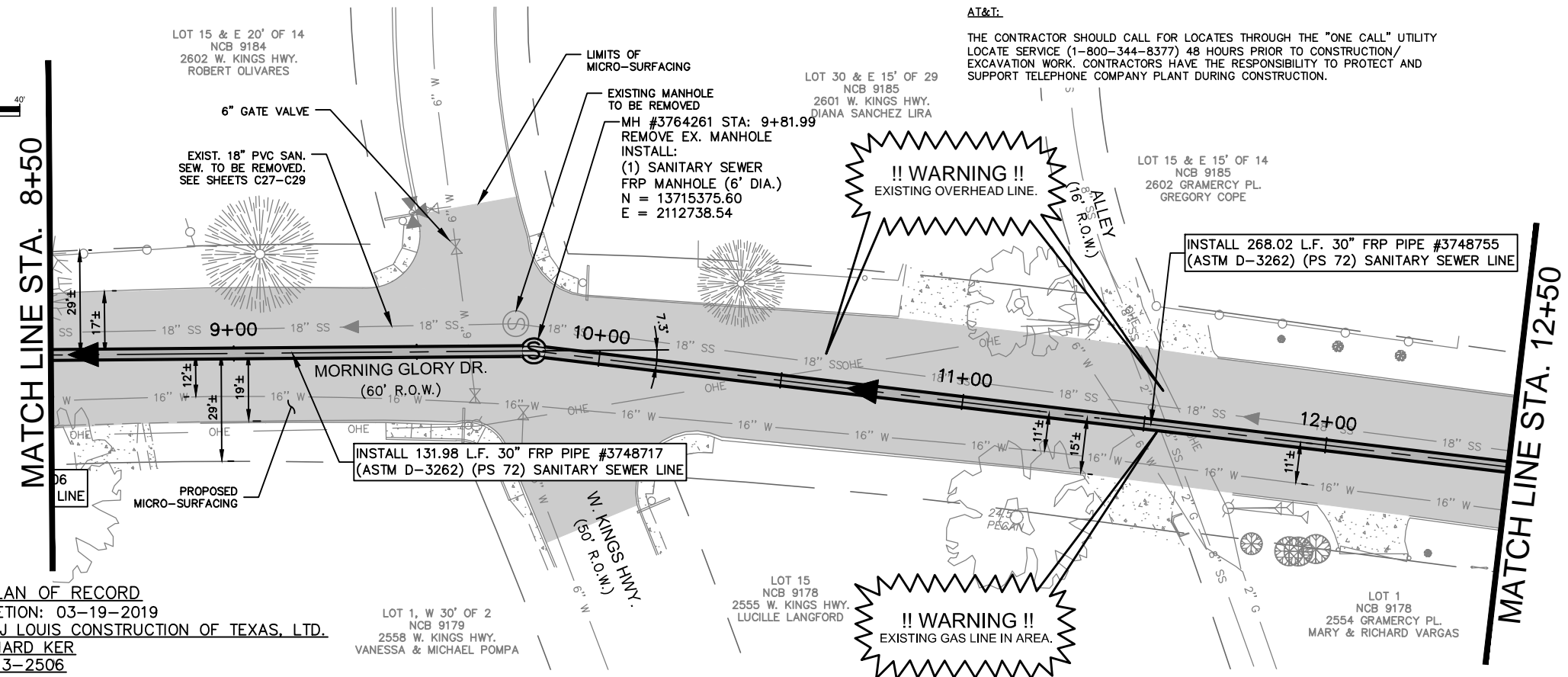
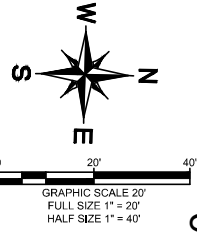
THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1801
511.3	REPLACE PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
535.1	4-INCH WIDE YELLOW LINE	LF	680
535.2	4-INCH WIDE WHITE LINE	LF	680
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	400
853	SANITARY SEWER FRP MANHOLE (0' - 6' DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	21
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

AS-BUILT / PLAN OF RECORD

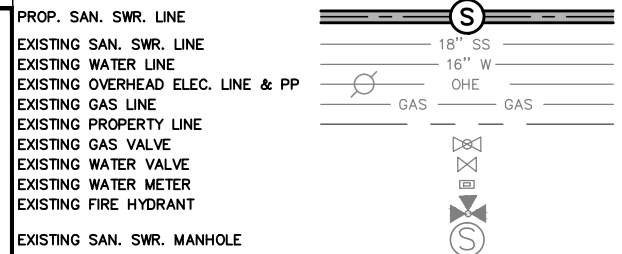
DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL



RECORD DRAWING
 THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

BY: [Signature]
 DATE: 03-19-2019

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 8+50-STA. 12+50

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C3
DESIGN: JAF	KHA PROJECT NO. 06865011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA DANIELA 3/19/2019 2:55 PM
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CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

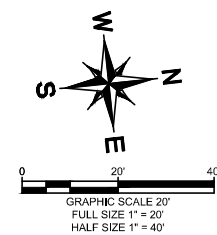
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SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES
 PRODUCTION CONTROL CENTER
 COSA DRAINAGE
 COSA TRAFFIC SIGNAL OPERATIONS
 TEXAS STATE WIDE ONE CALL LOCATOR

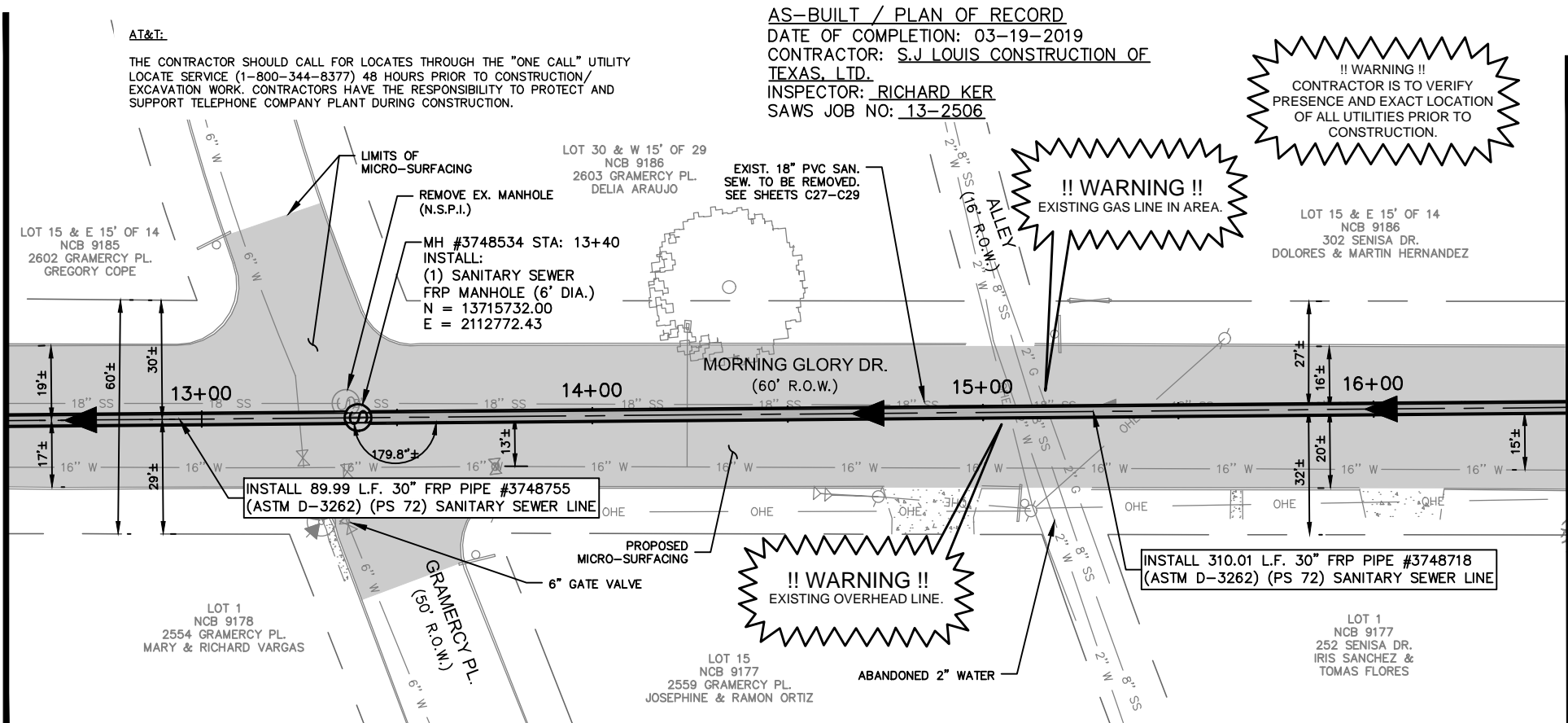
233-2009
 233-2016
 207-8052
 207-7720
 1-800-545-6005

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.



MATCH LINE STA. 12+50



MATCH LINE STA. 16+50

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

!! WARNING !!
 EXISTING GAS LINE IN AREA.

!! WARNING !!
 EXISTING OVERHEAD LINE.

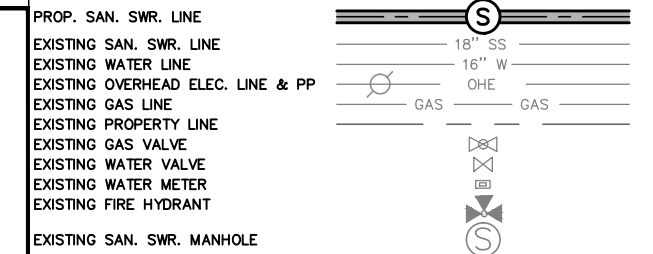
GENERAL NOTES:

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TRENCH EXCAVATION SAFETY PROCEDURE
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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL



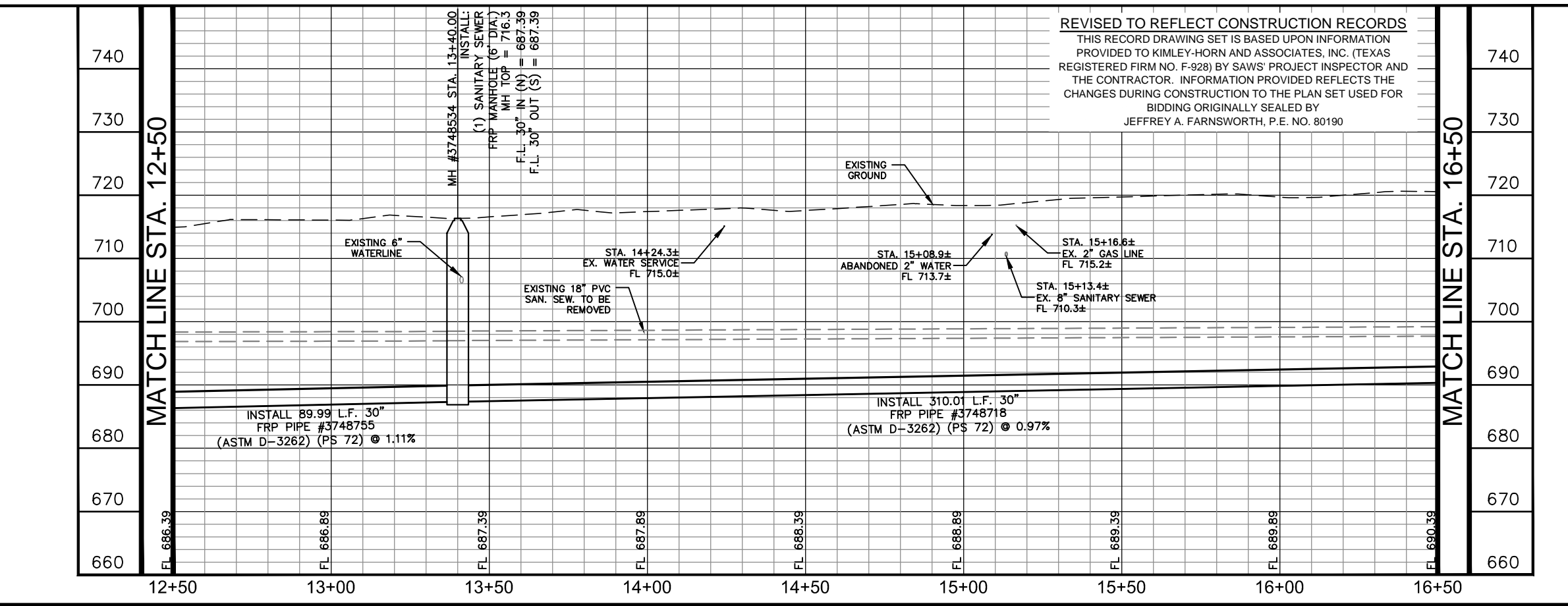
Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 12+50-STA. 16+50

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C4
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

REVISED TO REFLECT CONSTRUCTION RECORDS
 THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190



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SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

!! WARNING !!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

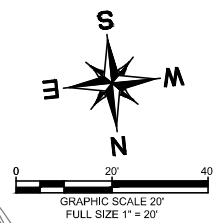
COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
UTILITY RELOCATES
PRODUCTION CONTROL CENTER
COSA DRAINAGE
COSA TRAFFIC SIGNAL OPERATIONS
TEXAS STATE WIDE ONE CALL LOCATOR

233-2009
233-2016
207-8052
207-7720
1-800-545-6005



AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTORS HAVE THE RESPONSIBILITY TO SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

**FIRE HYDRANT:
REMOVED AND REPLACED
1-6"X6" ANCHOR TEE, MJ
1-6" GATE VALVE, MJ
1-6" VALVE BOX, COMPLETE
6" DI PIPE, CUT AS REQ'D
STD FIRE HYDRANT
(SEE SAWS STD. DWD
DD-834-01)**

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

MATCH LINE STA. 16+50

INSTALL 9.36 L.F. 30" FRP PIPE #3748718 (ASTM D-3262) (PS 72) SANITARY SEWER LINE

MH #3748535 STA: 16+59.37
INSTALL:
(1) SANITARY SEWER FRP MANHOLE (6' DIA.)
N = 13716049.93
E = 2112802.76

INSTALL 39.64 L.F. 30" FRP PIPE #3748707 (ASTM D-3262) (PS 72) SANITARY SEWER LINE

**AFTER RELEASE FOR SERVICE
TIE NEW 6" PVC MAIN TO EXISTING 16" PVC MAIN
INSTALL:
1- 16"X6" TEE, MJ
1- 6" GATE VALVE, MJ
1- 6" VALVE BOX, COMPLETE
+/- 5 LF 6" PVC, CUT AS REQ'D
CONTRACTOR TO PROVIDE THRUST BLOCKING AS TIE-IN TO EXIST MAIN**

MH #3748536 STA: 16+99.01
INSTALL:
(1) SANITARY SEWER FRP MANHOLE (6' DIA.)
N = 13716080.78
E = 2112777.87

EXIST. 18" PVC SAN. SEW. TO BE ABANDONED SEE SHEETS C27-C29.

MH #3748535 STA. 16+59.37
INSTALL:
(1) SANITARY SEWER FRP MANHOLE (6' DIA.)
MH TOP = 720.5
F.L. 30" IN (NW) = 690.58
F.L. 30" OUT (S) = 690.48

MH #3748536 STA. 16+99.01
INSTALL:
(1) SANITARY SEWER FRP MANHOLE (6' DIA.)
MH TOP = 720.1
F.L. 30" IN (W) = 690.74
F.L. 30" OUT (SE) = 690.64

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
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TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

MATCH LINE STA. 20+50

MATCH LINE STA. 20+50

MATCH LINE STA. 20+50

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	21
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	36
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	680
500.4	CONCRETE CURB AND GUTTER	LF	21
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SY	3
511.3	REPLACE PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
535.1	4-INCH WIDE YELLOW LINE	LF	84
535.2	4-INCH WIDE WHITE LINE	LF	65
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	257
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	143
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	3
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	69
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

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2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
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REVISED TO REFLECT CONSTRUCTION RECORDS

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* NO SEPARATE PAY ITEM (N.S.P.I.)

LEGEND

FULL SIZE (22" x 34") HALF SIZE (11" x 17")
1" = 10' VERTICAL 1" = 20' VERTICAL

PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING SAN. SWR. MANHOLE	

RECORD DRAWING
THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350
San Antonio, TX 78216
Tel No. 210-541-9166
Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 16+50-STA. 20+50

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C5
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA DANIELA 3/19/2019 2:58 PM
DRAWN NAME: K.S.M.A. UTILITIES 068665011 CONSTRUCTION C:\CAD\AS-BUILT\C-12 DONALDSON TERRACE\PROJECT_C-12068665011.DWG
DATE PLOTTED: 3/19/2019 2:58 PM

CPS ENERGY NOTE:

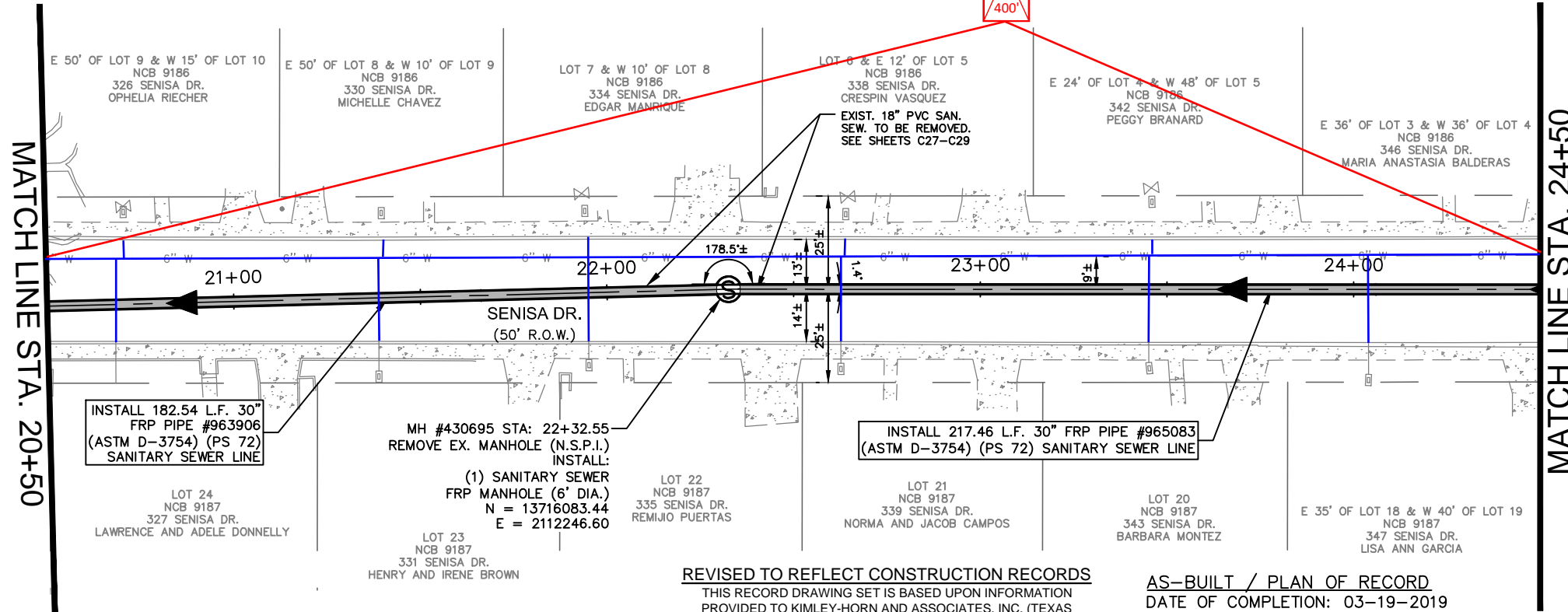
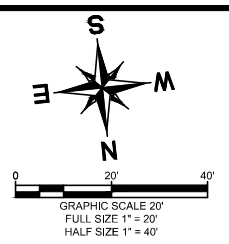
1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
511.3	REPLACE PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	164
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	175
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	61
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	17
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL

PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING SAN. SWR. MANHOLE	

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Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

BY: [Signature] DATE: 03-19-2019

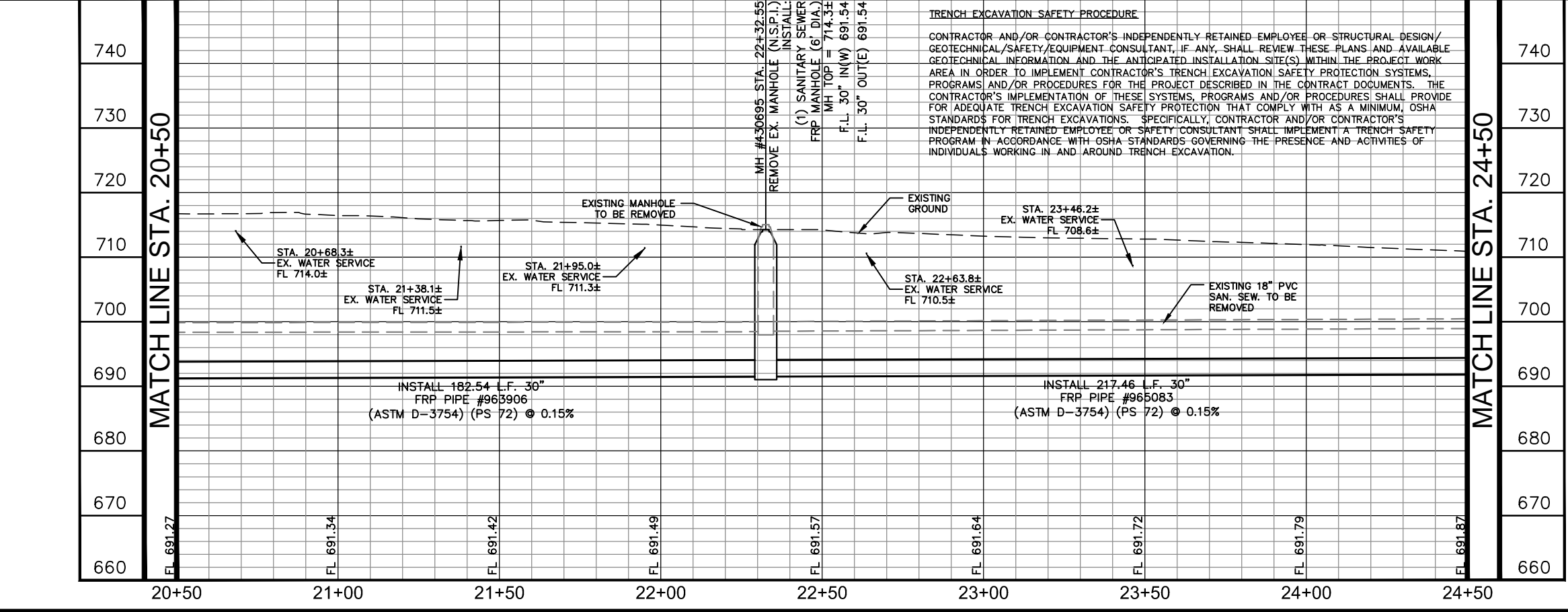
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 20+50-STA. 24+50

SAN ANTONIO WATER SYSTEM

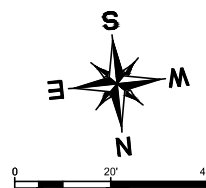
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C6
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		



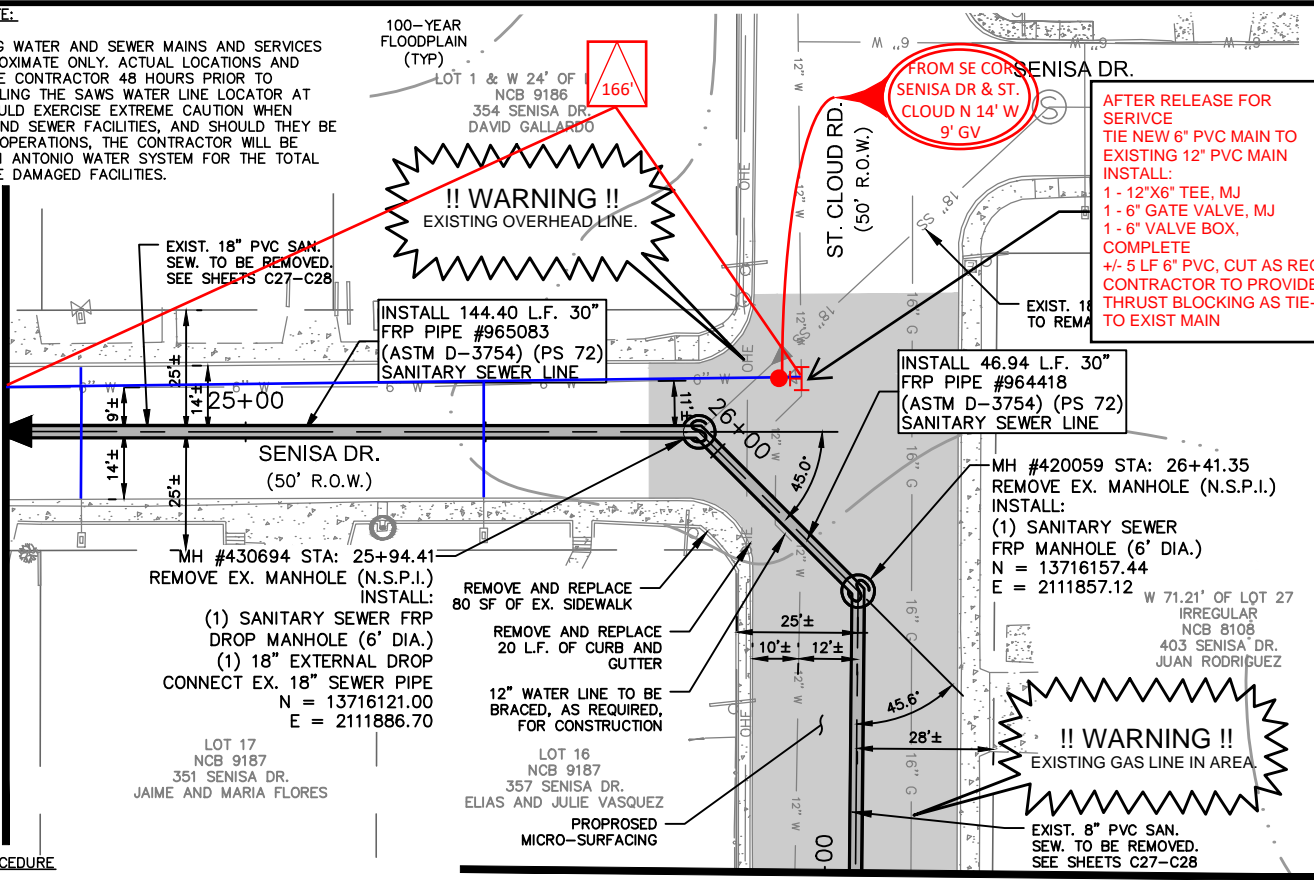
PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:02 PM
 DRAWN NAME: K.S.M. UTILITIES/068665011/CONSTRUCTION/C-12 DONALDSON TERRACE PROJECT_C-12-068665011.DWG
 DATE PLOTTED: 3/19/2019 3:02 PM

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.



MATCH LINE STA. 24+50



MATCH LINE STA. 27+00

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
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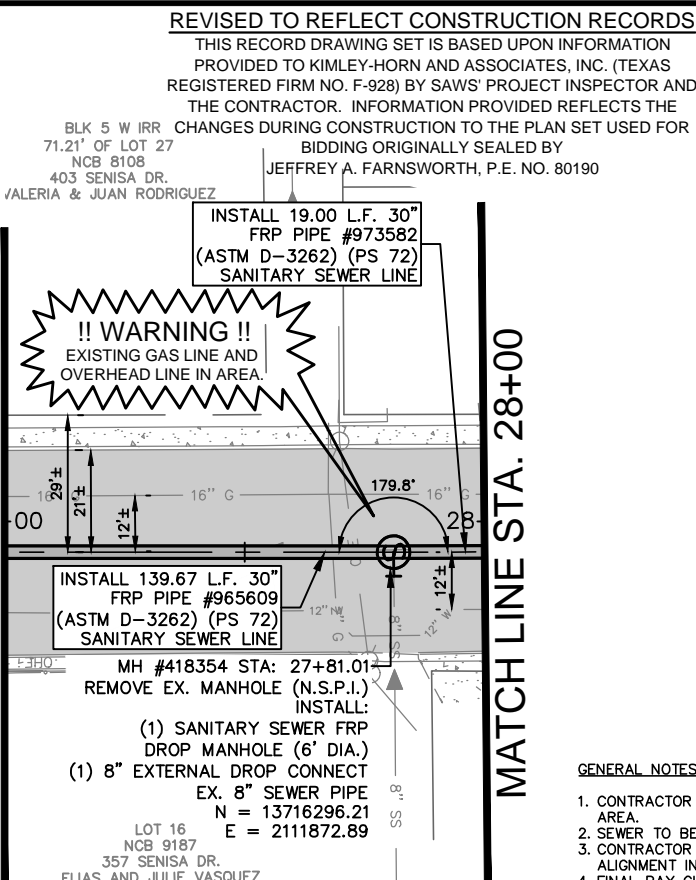
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SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005

REVISED TO REFLECT CONSTRUCTION RECORDS

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MATCH LINE STA. 27+00



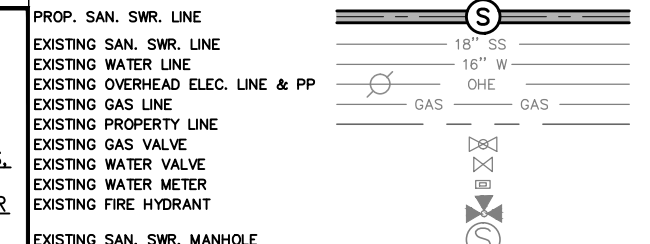
MATCH LINE STA. 28+00

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)	
FULL SIZE (22" x 34")	HALF SIZE (11" x 17")
1" = 10' VERTICAL	1" = 20' VERTICAL



AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION:
 03-19-2019
 CONTRACTOR: S.J LOUIS
 CONSTRUCTION OF TEXAS,
 LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

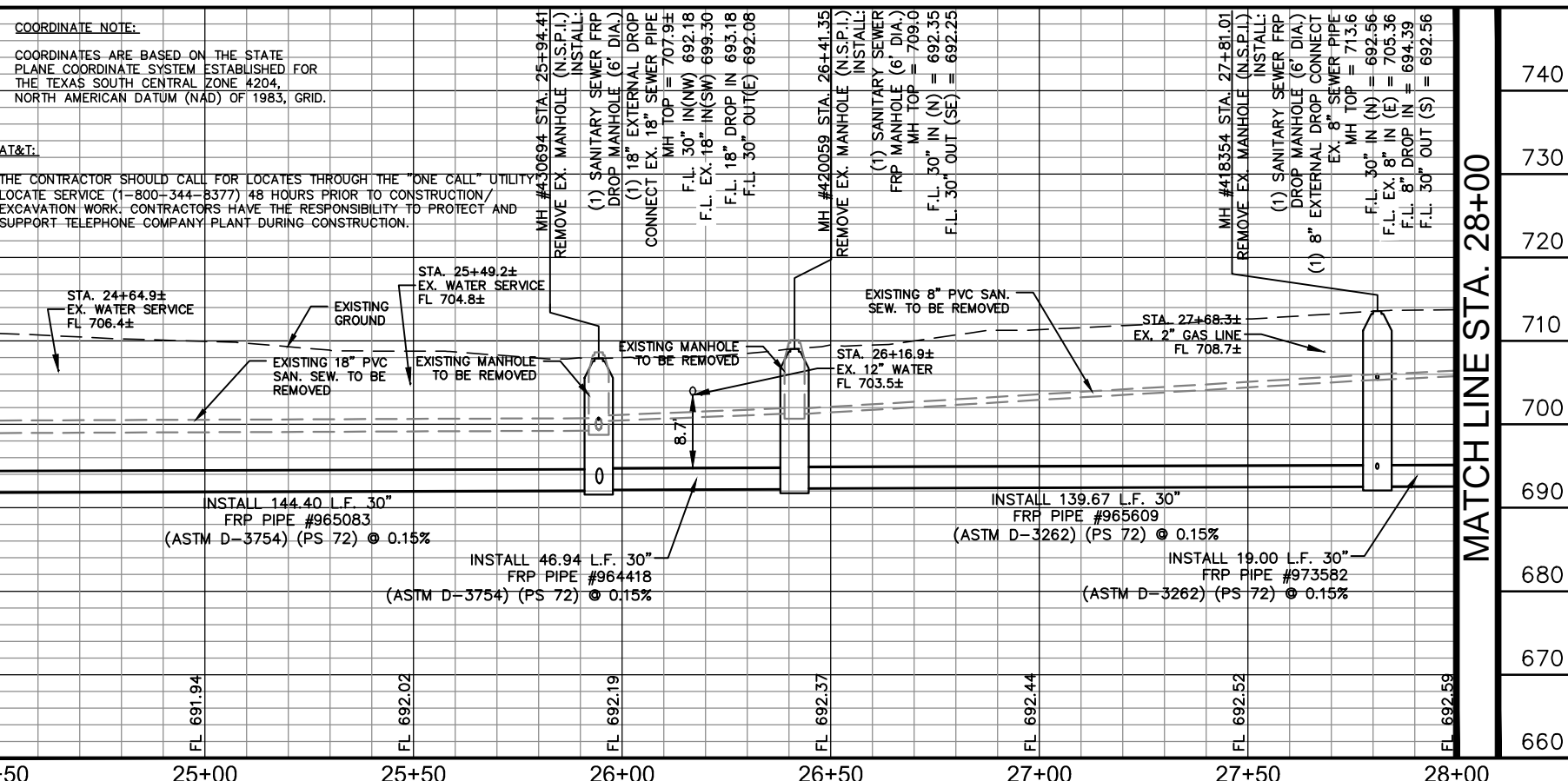
Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 24+50-STA. 28+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C7
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

MATCH LINE STA. 24+50



MATCH LINE STA. 28+00

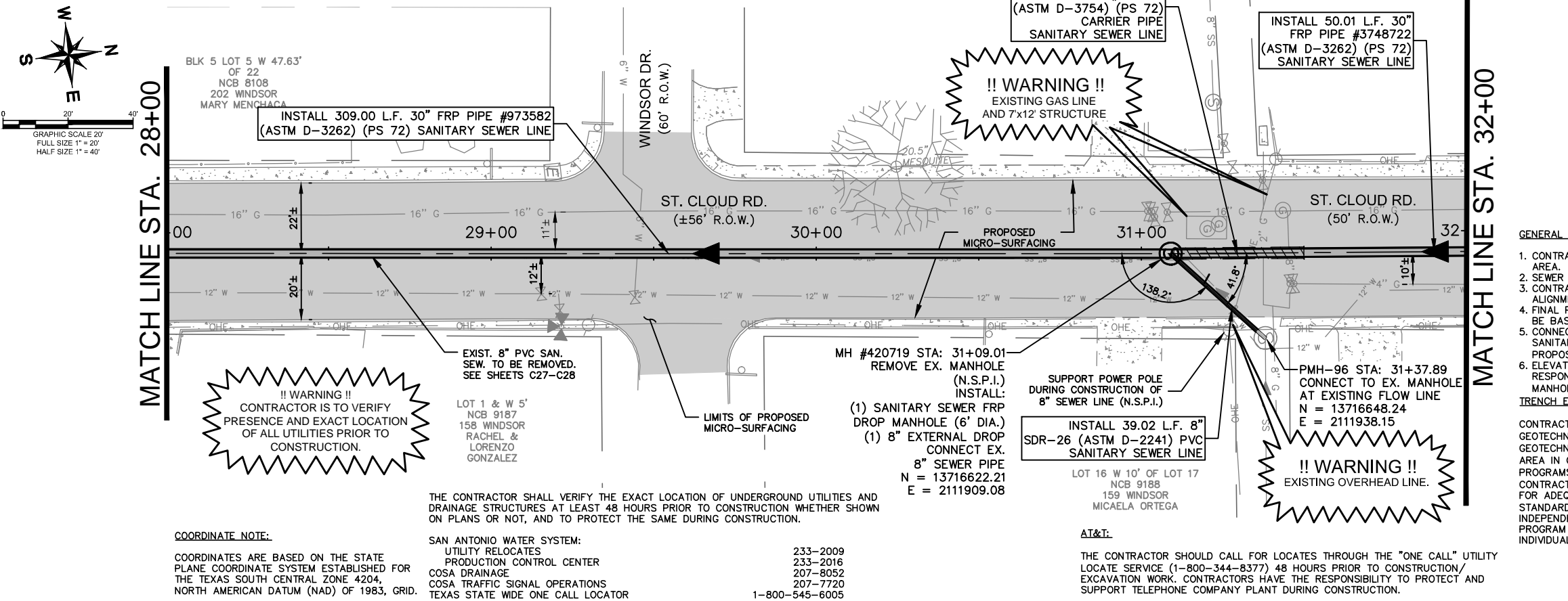
PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:04 PM
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 DATE: 3/19/2019 3:04 PM

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
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AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	2001
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 3" HMAC (TYPE D)	SY	296
535.1	8" WIDE YELLOW LINE	LF	670
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
666	REFLECTIVE PAVEMENT MARKER TYPE 1 4" WIDTH	LF	670
848	6" SDR-26 (ASTM D-2241) PVC SANITARY SEWER LINE (6' - 10')	LF	39
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	27
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	136
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	237
853	SANITARY SEWER FRP DROP MANHOLE (0'-6" DEPTH) (6" DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	22
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

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- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
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TRENCH EXCAVATION SAFETY PROCEDURE

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COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

SAN ANTONIO WATER SYSTEM:

UTILITY RELOCATES
 PRODUCTION CONTROL CENTER
 COSA DRAINAGE
 COSA TRAFFIC SIGNAL OPERATIONS
 TEXAS STATE WIDE ONE CALL LOCATOR

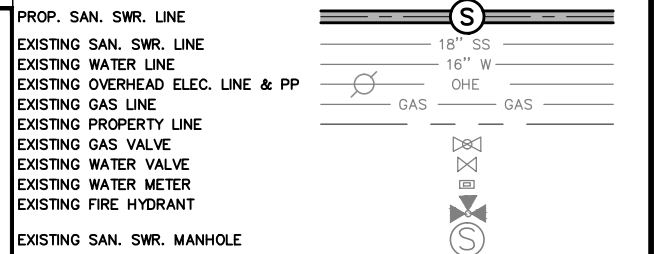
233-2009
 233-2016
 207-8052
 207-7720
 1-800-545-6005

AT&T:

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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL



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Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
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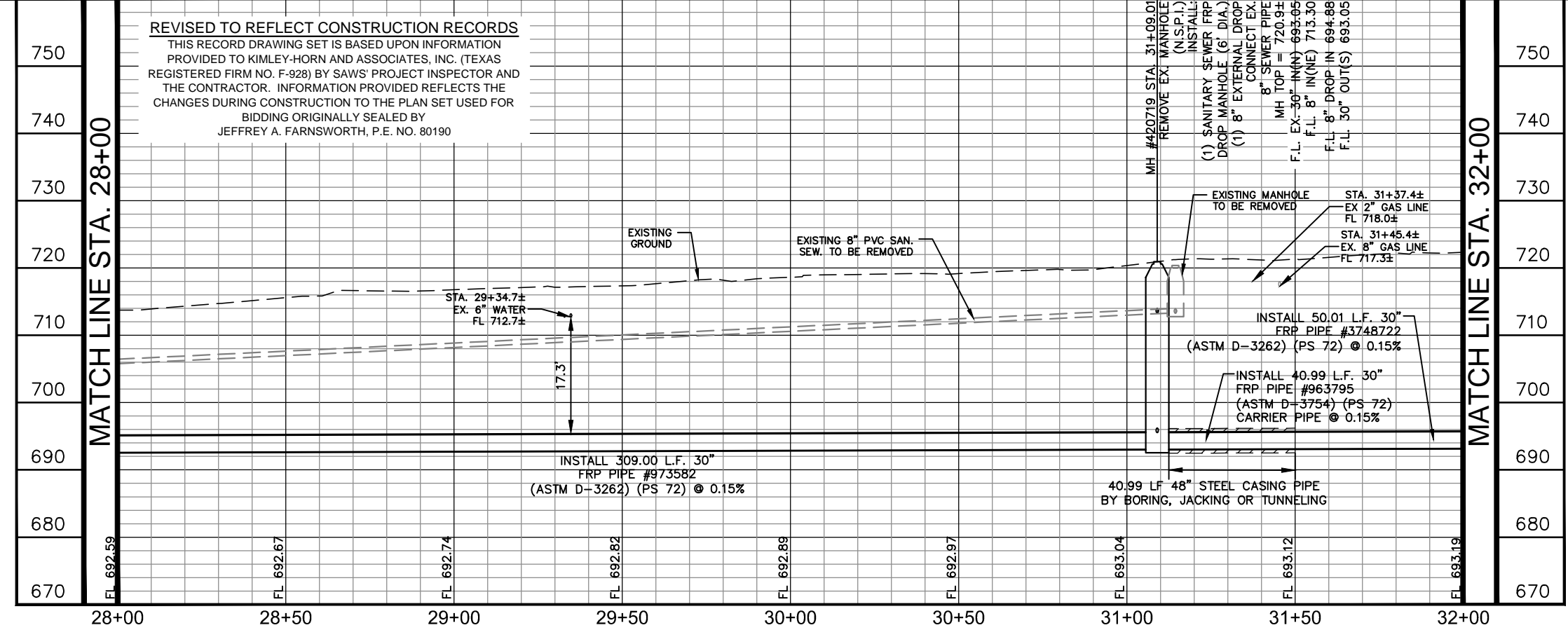
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 28+00-STA. 32+00

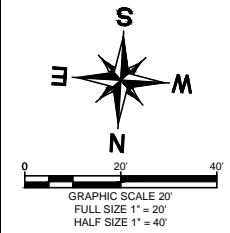
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C8
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

REVISED TO REFLECT CONSTRUCTION RECORDS
 THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:06 PM
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 DATE: 3/19/2019 3:06 PM

!! WARNING !!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



LOT 1 & 2
NCB 9188
1158 DONALDSON AVE.
ANTONIO MENDIOLA

INSTALL 84.50 L.F. 30"
FRP PIPE #3748722
(ASTM D-3262) (PS 72)
SANITARY SEWER LINE

MH #3748543 STA: 32+84.51
INSTALL:
(1) SANITARY SEWER
FRP MANHOLE (6' DIA.)
N = 13716796.78
E = 2111927.12

MATCH LINE STA. 32+00

- CPS ENERGY NOTE:**
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PRODUCTION CONTROL CENTER
COSA DRAINAGE
COSA TRAFFIC SIGNAL OPERATIONS
TEXAS STATE WIDE ONE CALL LOCATOR
233-2009
233-2016
207-8052
207-7720
1-800-545-6005

SAN ANTONIO WATER SYSTEM NOTE:
LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	23
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	92
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1696
500.4	CONCRETE CURB AND GUTTER	LF	23
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SY	11
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	99
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 3" HMAC (TYPE D)	SY	197
535.1	4-INCH WIDE YELLOW LINE	LF	740
535.2	4-INCH WIDE WHITE LINE	LF	10
535.7	24-INCH WIDE WHITE LINE	LF	75
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
666.2003	REFLECTIVE PAVEMENT MARKER TYPE 1 4" WIDTH (DOT)(100MIL)	LF	160
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	77
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	263
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	60
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	2
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	47
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

!! WARNING !!
EXISTING GAS LINES IN AREA

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

AT&T

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

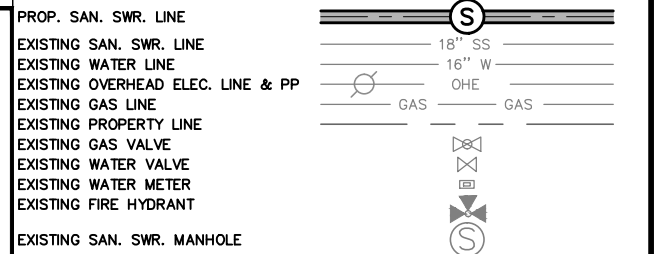
REVISED TO REFLECT CONSTRUCTION RECORDS
THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

MATCH LINE STA. 36+00

LEGEND

FULL SIZE (22" x 34")
1" = 10' VERTICAL

HALF SIZE (11" x 17")
1" = 20' VERTICAL



RECORD DRAWING
THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

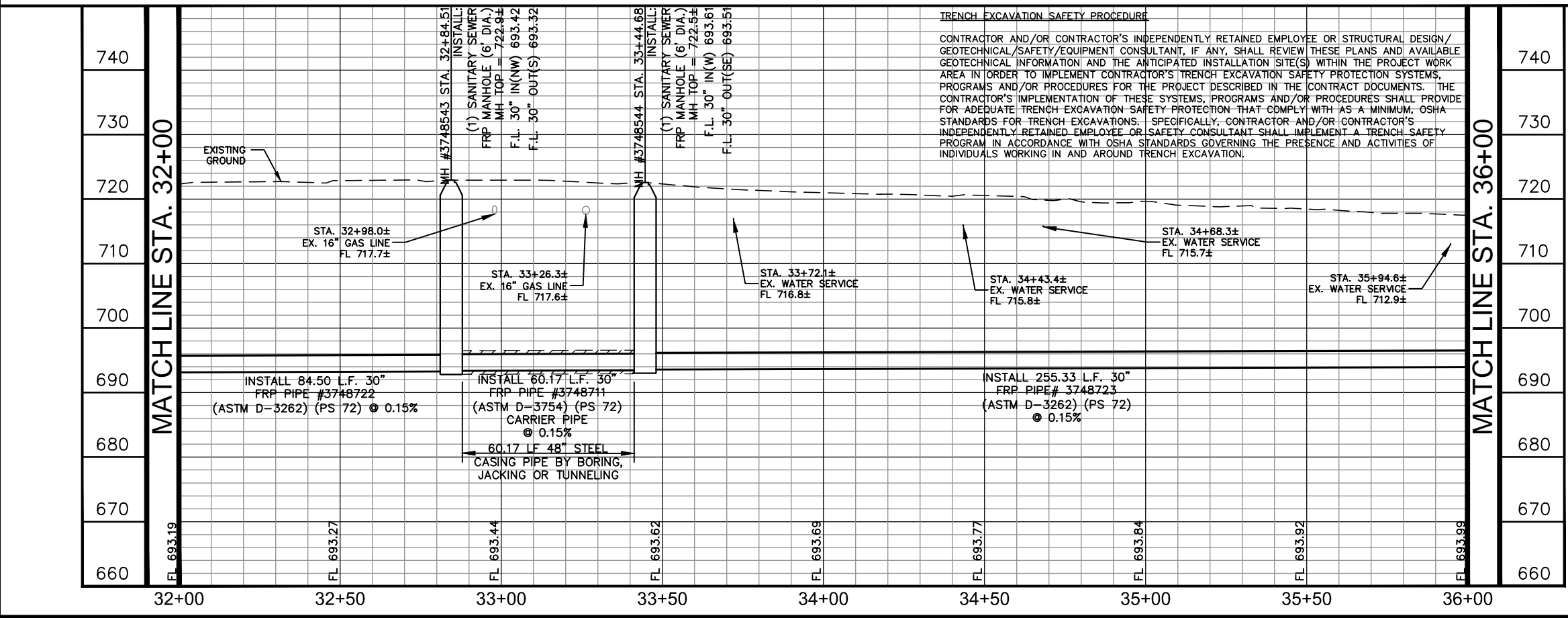
By: [Signature]
Date: 03-19-2019

Kimley»Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350
San Antonio, TX 78216
Tel No. 210-541-9166
Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
SHEET
30-INCH SANITARY SEWER PLAN AND PROFILE STA. 32+00-STA. 36+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C9
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		



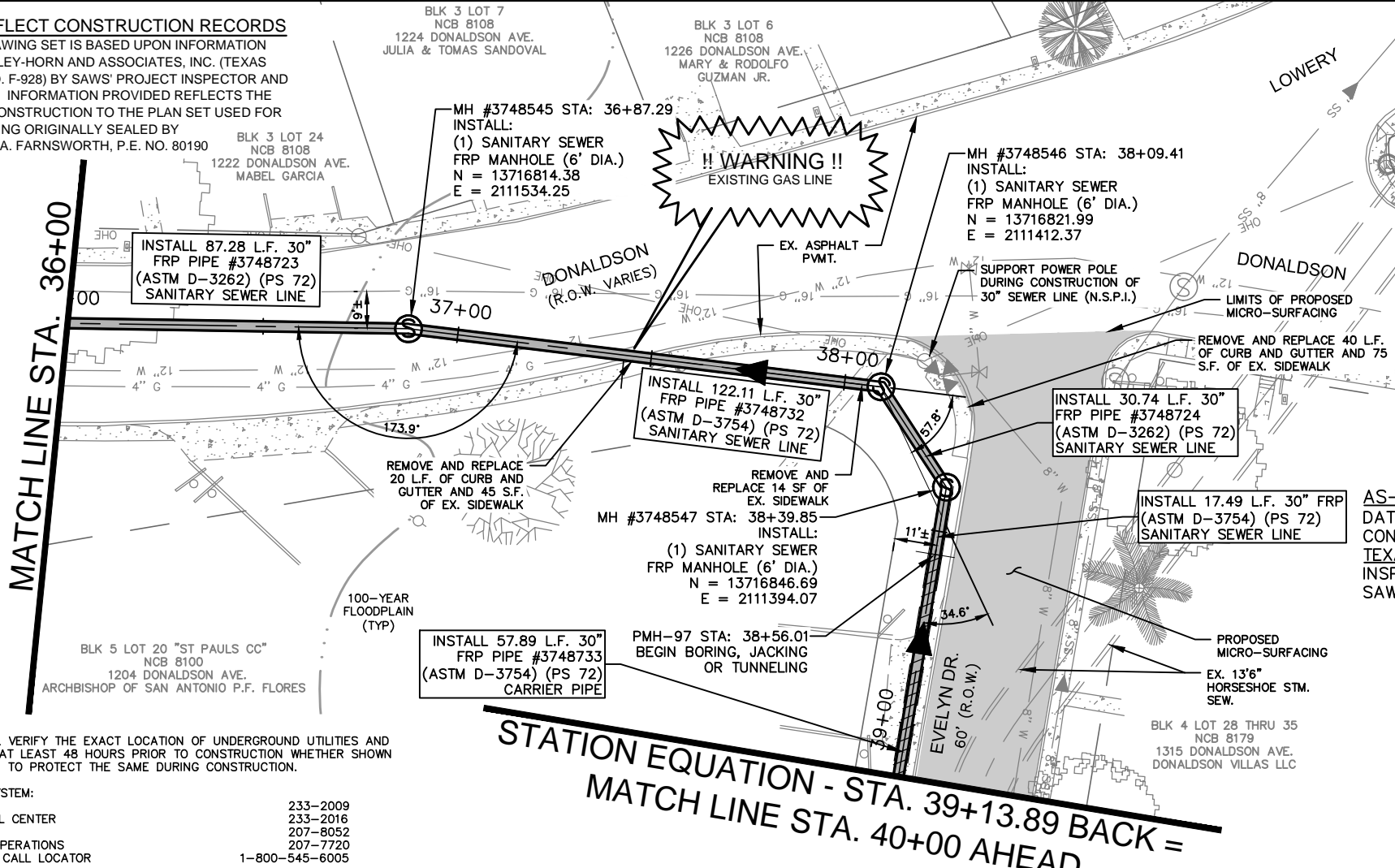
TRENCH EXCAVATION SAFETY PROCEDURE
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA 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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

PLOTTED BY: RIVERA DANIELA 3/19/2019 3:08 PM
 K:\SMA UTILITIES\068665011\CONSTRUCTION\C-12 DONALDSON TERRACE\DWG\30-12 DONALDSON TERRACE\30-12 DONALDSON TERRACE.DWG
 DATE: 3/19/2019 3:08 PM

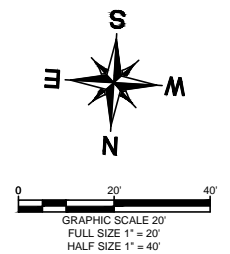
REVISED TO REFLECT CONSTRUCTION RECORDS

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MATCH LINE STA. 36+00



COORDINATE NOTE:
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.



!! WARNING !!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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 CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

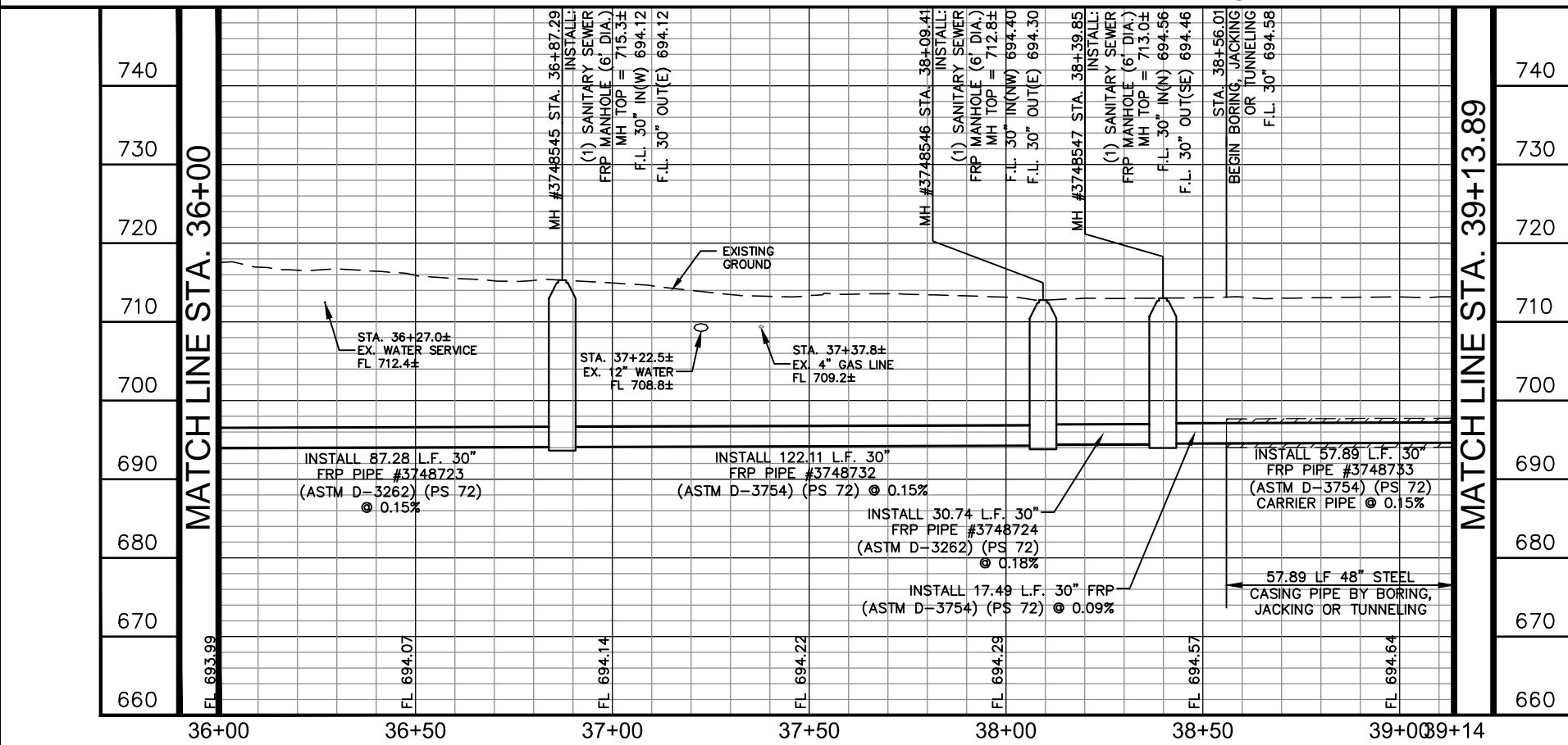
ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	60
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	120
202	PRIME COAT	GAL	38
203	TACK COAT	GAL	19
239	MICRO-SURFACING	SY	421
500.4	CONCRETE CURB & GUTTER	LF	60
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SF	120
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	120
515.1	TOPSOIL (4")	CY	16
516	SODDING	SY	290
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	256
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (14' - 18')	LF	37
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	39
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	48
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	60
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	3
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	41
856.1	JACKING, BORING, OR TUNNELING 48"	LF	58
856.2	30" CARRIER PIPE	LF	58
856.3	48" STEEL CASING	LF	58
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	314

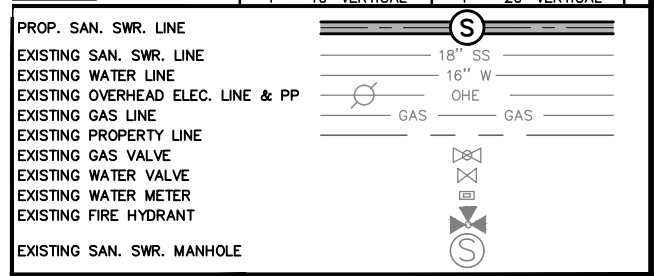
THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
UTILITY RELOCATES 233-2009
PRODUCTION CONTROL CENTER 233-2016
COSA DRAINAGE 207-8052
COSA TRAFFIC SIGNAL OPERATIONS 207-7720
TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005

**STATION EQUATION - STA. 39+13.89 BACK =
MATCH LINE STA. 40+00 AHEAD**



LEGEND



RECORD DRAWING
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Kimley»Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350 San Antonio, TX 78216
Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 36+00-STA. 40+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C10
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:09 PM
DRAWN NAME: K.S.M.A. UTILITIES 068665011 CONSTRUCTION C:\CAD\AS-BUILT\C-12 SHEETS\DRW\PLAN_C-12_068665011.DWG
DATE PLOTTED: 3/19/2019 3:09 PM

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

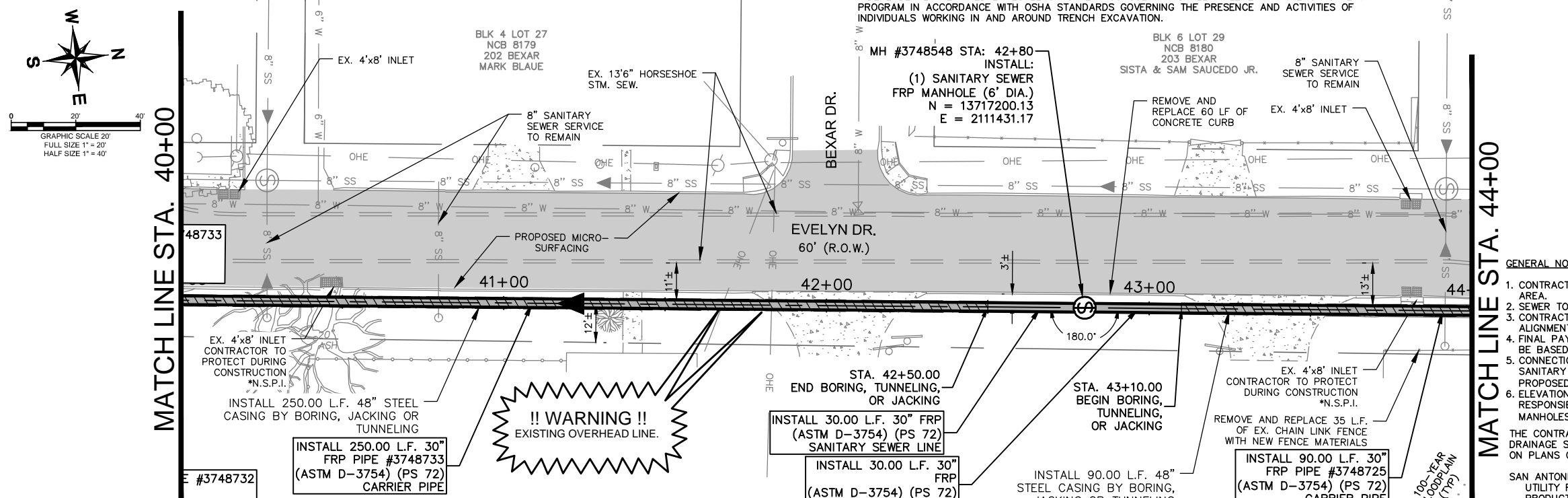
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TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	60
202	PRIME COAT	GAL	9
203	TACK COAT	GAL	5
239	MICRO-SURFACING	SY	1372
500.4	CONCRETE CURB AND GUTTER	LF	60
507	CHAINLINK FENCE	LF	35
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	20
515.1	TOPSOIL (4")	CY	10
516	SODDING	SY	74
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	60
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	60
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6" DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	15
856.1	JACKING, BORING, OR TUNNELING 48"	LF	340
856.2	30" CARRIER PIPE	LF	340
856.3	48" STEEL CASING	LF	340
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
 2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
 3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
 4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
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SAN ANTONIO WATER SYSTEM:

UTILITY RELOCATES	233-2009
PRODUCTION CONTROL CENTER	233-2016
COSA DRAINAGE	207-8052
COSA TRAFFIC SIGNAL OPERATIONS	207-7720
TEXAS STATE WIDE ONE CALL LOCATOR	1-800-545-6005

AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

AT&T:

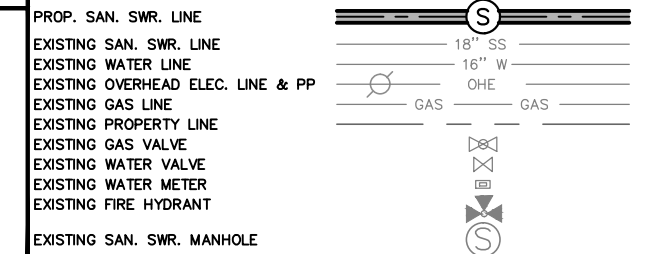
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COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)	
FULL SIZE (22" x 34")	HALF SIZE (11" x 17")
1" = 10' VERTICAL	1" = 20' VERTICAL



RECORD DRAWING
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 601 NW Loop 410 Suite 350 San Antonio, TX 78216
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No.	Revision	By	Date

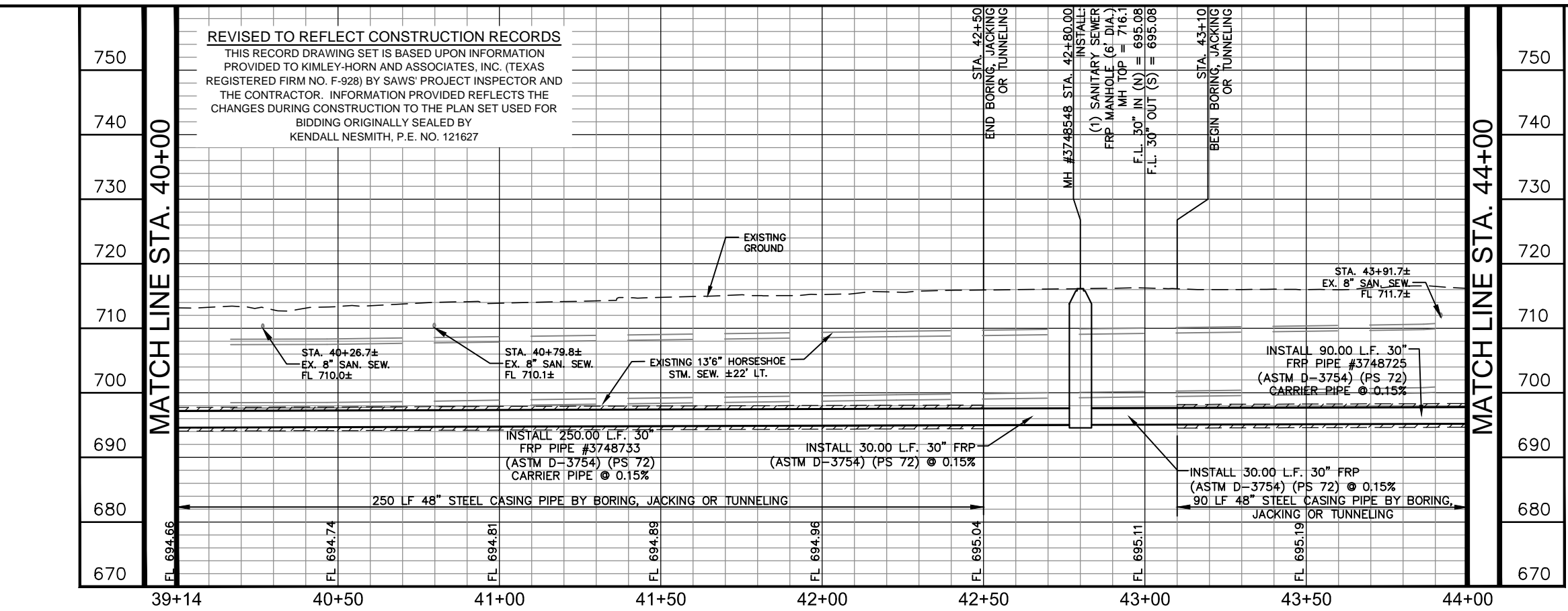
C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 40+00-STA. 44+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C11
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

REVISED TO REFLECT CONSTRUCTION RECORDS

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PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:13 PM
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CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
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SAN ANTONIO WATER SYSTEM NOTE:

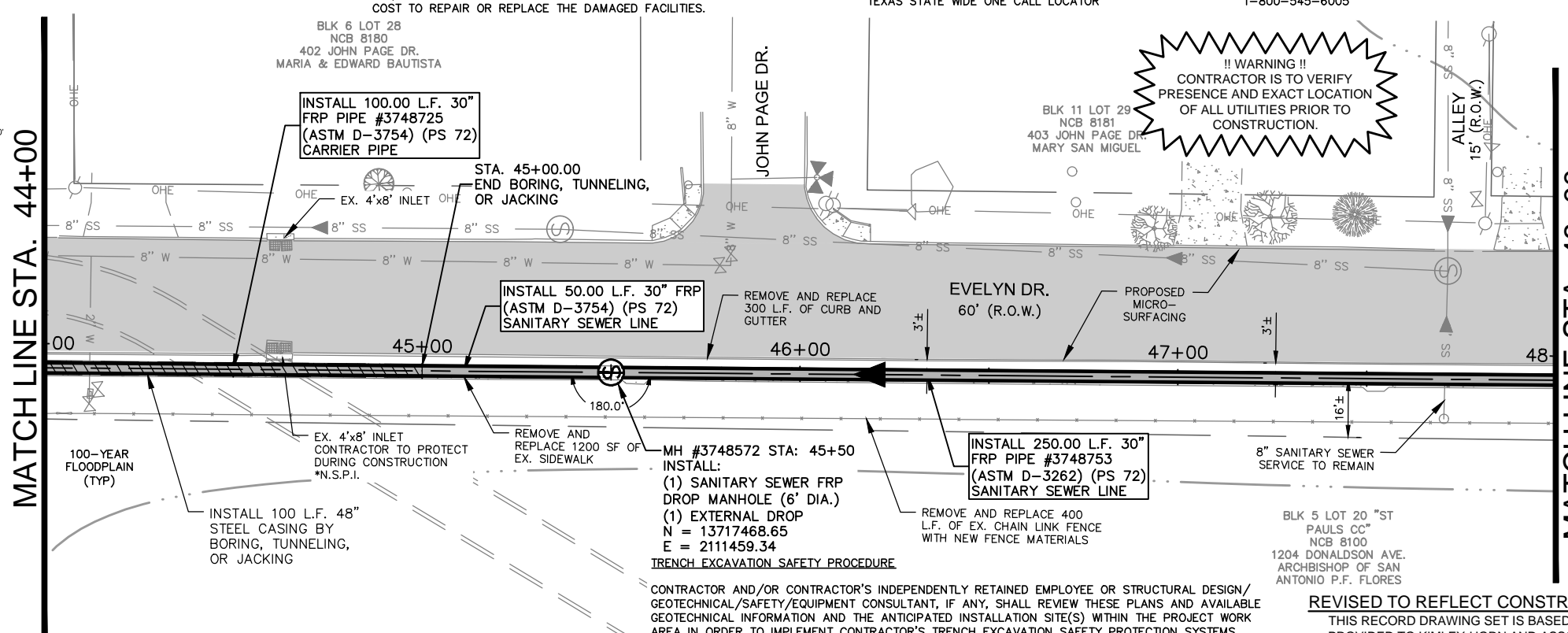
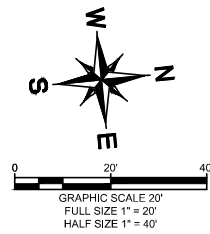
LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
UTILITY RELOCATES
PRODUCTION CONTROL CENTER 233-2009
COSA DRAINAGE 233-2016
COSA TRAFFIC SIGNAL OPERATIONS 207-8052
TEXAS STATE WIDE ONE CALL LOCATOR 207-7720
1-800-545-6005

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	300
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	1200
202	PRIME COAT	GAL	48
203	TACK COAT	GAL	24
239	MICRO-SURFACING	SY	1384
500.4	CONCRETE CURB AND GUTTER	LF	300
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SY	1200
507	CHAINLINK FENCE	LF	400
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	100
515.1	TOPSOIL (4")	CY	17
516	SODDING	SY	616
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	300
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	250
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	50
853	SANITARY SEWER FRP DROP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	17
856.1	JACKING, BORING, OR TUNNELING 48"	LF	100
856.2	30" CARRIER PIPE	LF	100
856.3	48" STEEL CASING	LF	100
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

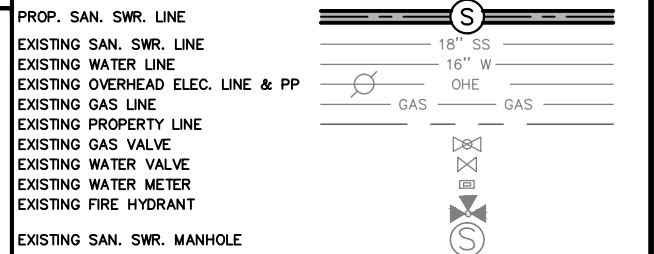
REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY KENDALL NESMITH, P.E. NO. 121627

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

* NO SEPARATE PAY ITEM (N.S.P.I.)
FULL SIZE (22" x 34")
1" = 10' VERTICAL
HALF SIZE (11" x 17")
1" = 20' VERTICAL

LEGEND



RECORD DRAWING
THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
Texas Registered Firm, No. 928
601 NW Loop 410 Suite 350 San Antonio, TX 78216
Tel No. 210-541-9166 Fax No. 210-541-8699

By: [Signature]
DATE: 03-19-2019

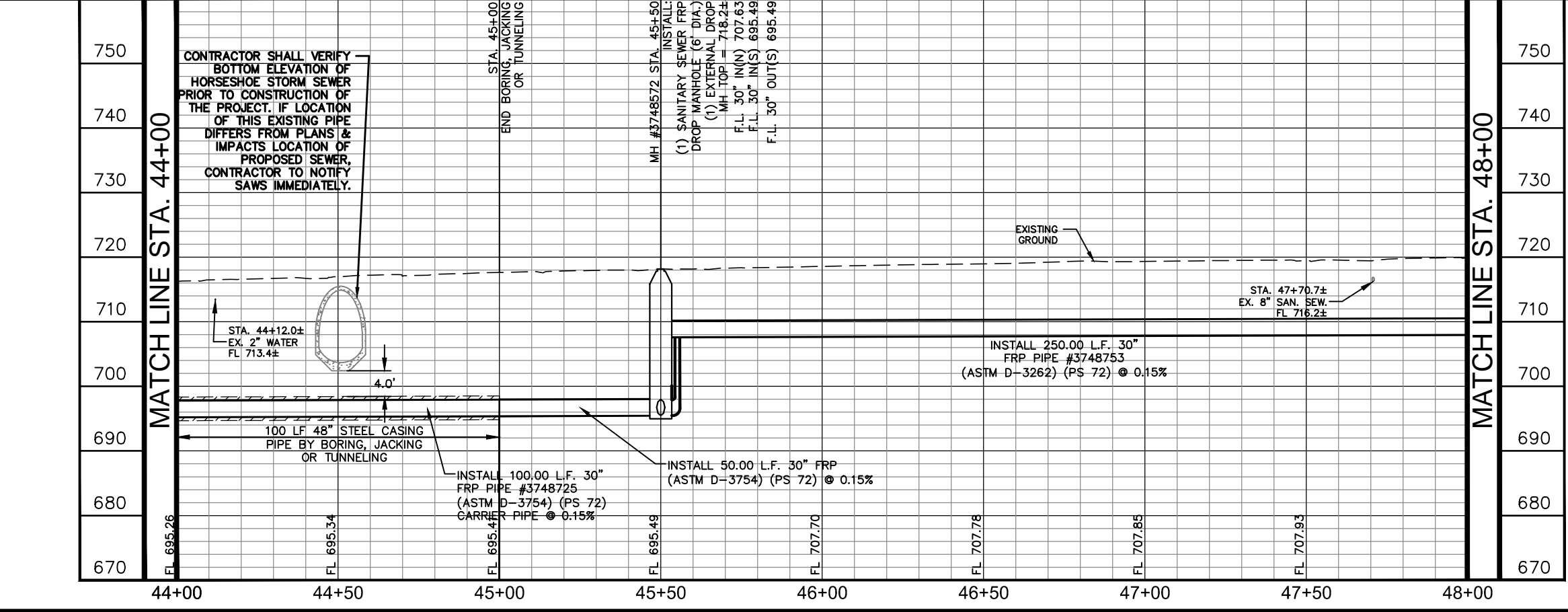
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 44+00-STA. 48+00

SAN ANTONIO WATER SYSTEM

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C12
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:15 PM
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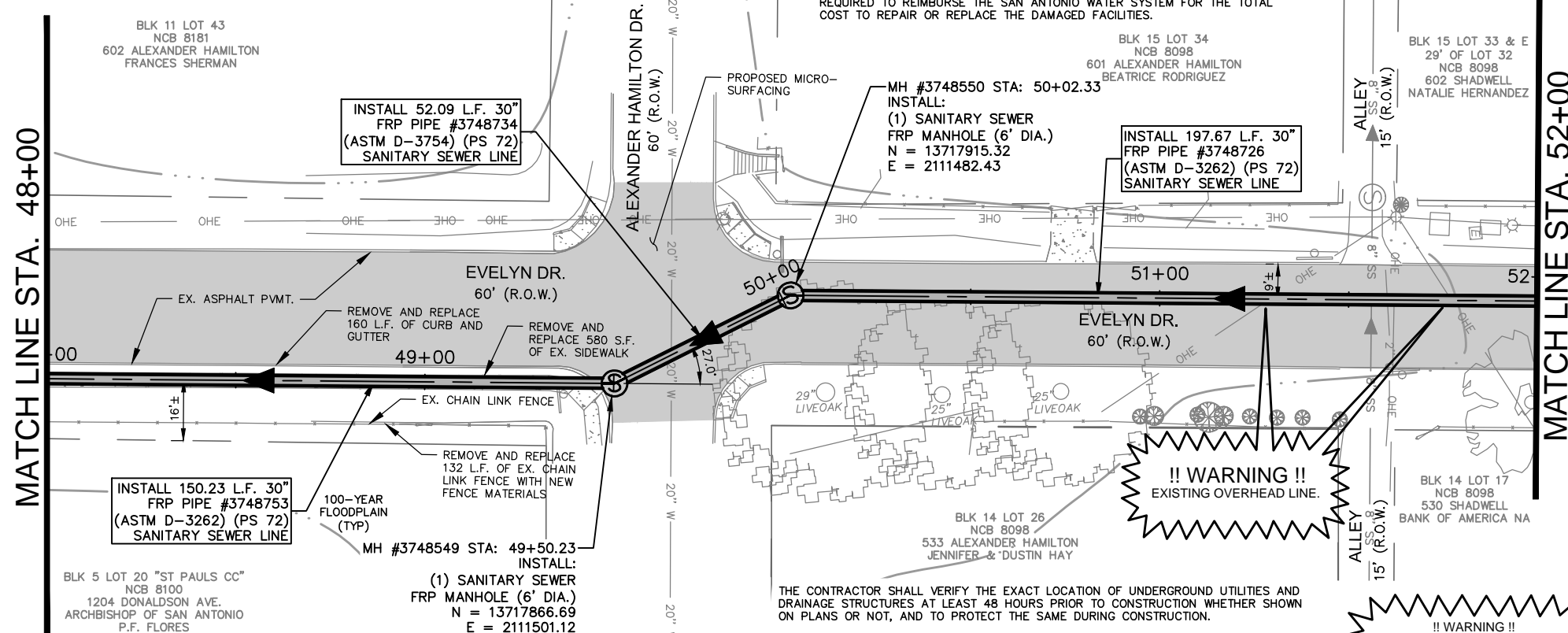
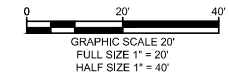
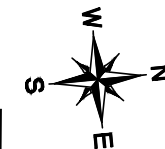
AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	160
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	580
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1354
500.4	CONCRETE CURB AND GUTTER	LF	160
502.1	CONCRETE SIDEWALK - CONVENTIONALLY FORMED	SY	65
507	CHAINLINK FENCE	LF	132
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	232
515.1	TOPSOIL (4")	CY	8
516	SODDING	SY	315
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	252
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (14' - 18')	LF	96
848	30" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	52
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	2
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	14
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

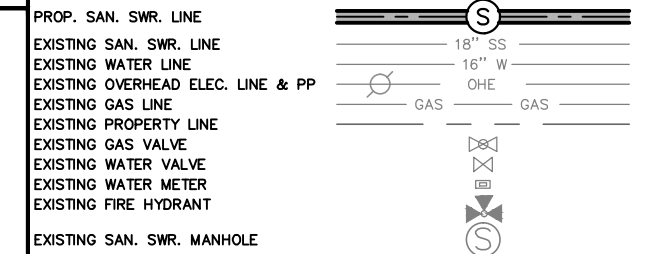
AT&T:

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SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-6052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL



RECORD DRAWING
 THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 48+00-STA. 52+00

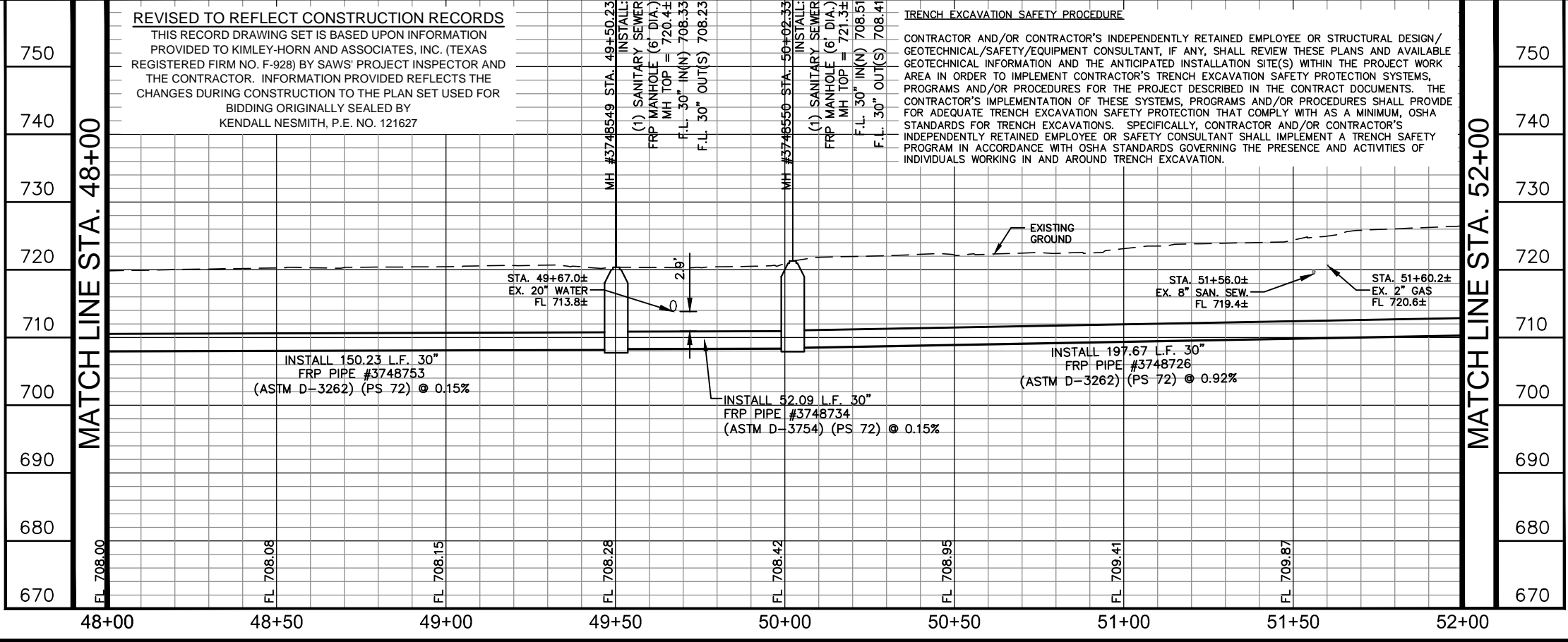
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C13
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY KENDALL NESMITH, P.E. NO. 121627

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:17 PM
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CPS ENERGY NOTE:

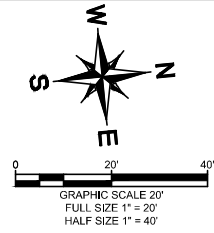
1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

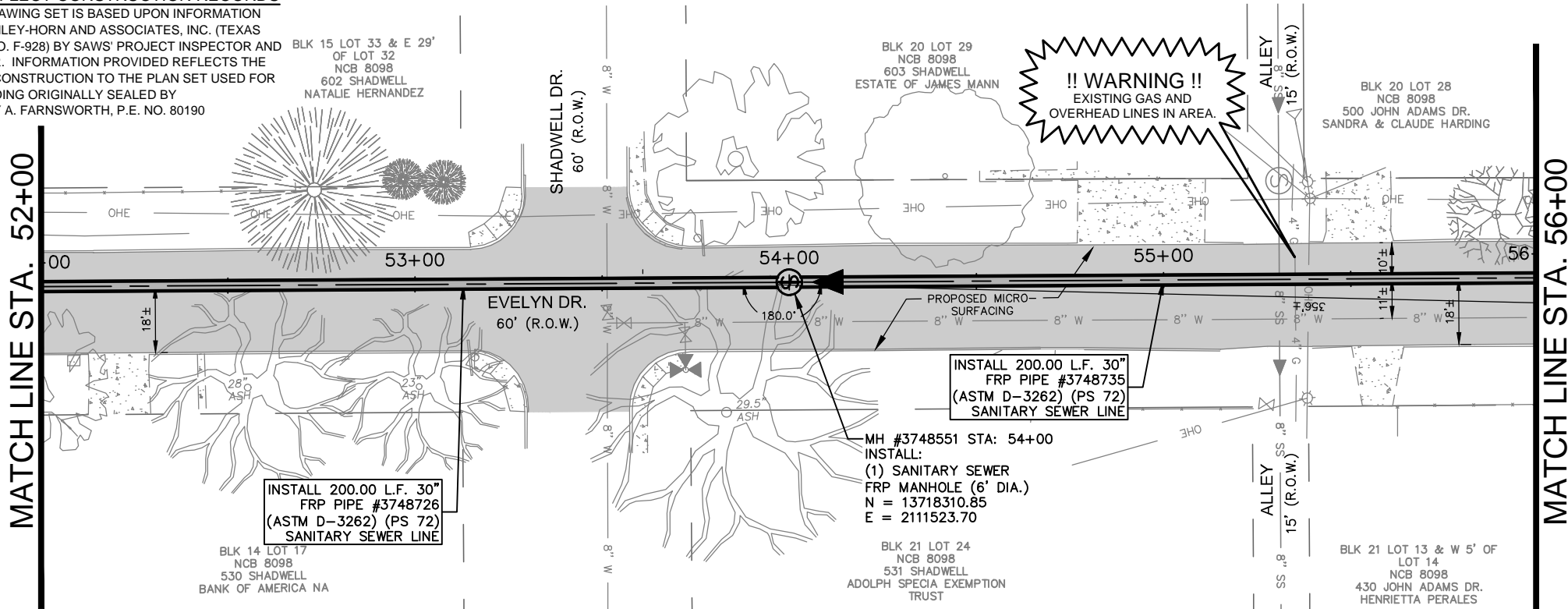
THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



REVISED TO REFLECT CONSTRUCTION RECORDS

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ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1338
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (14' - 18')	LF	254
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	146
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	12
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
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6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

COORDINATE NOTE:

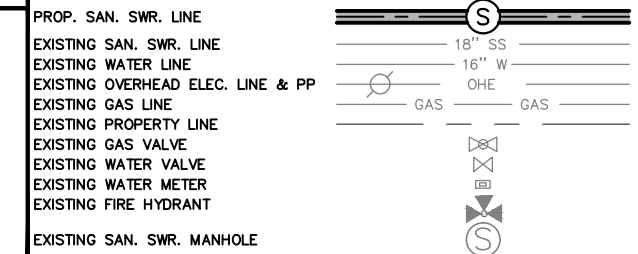
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL



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No.	Revision	By	Date

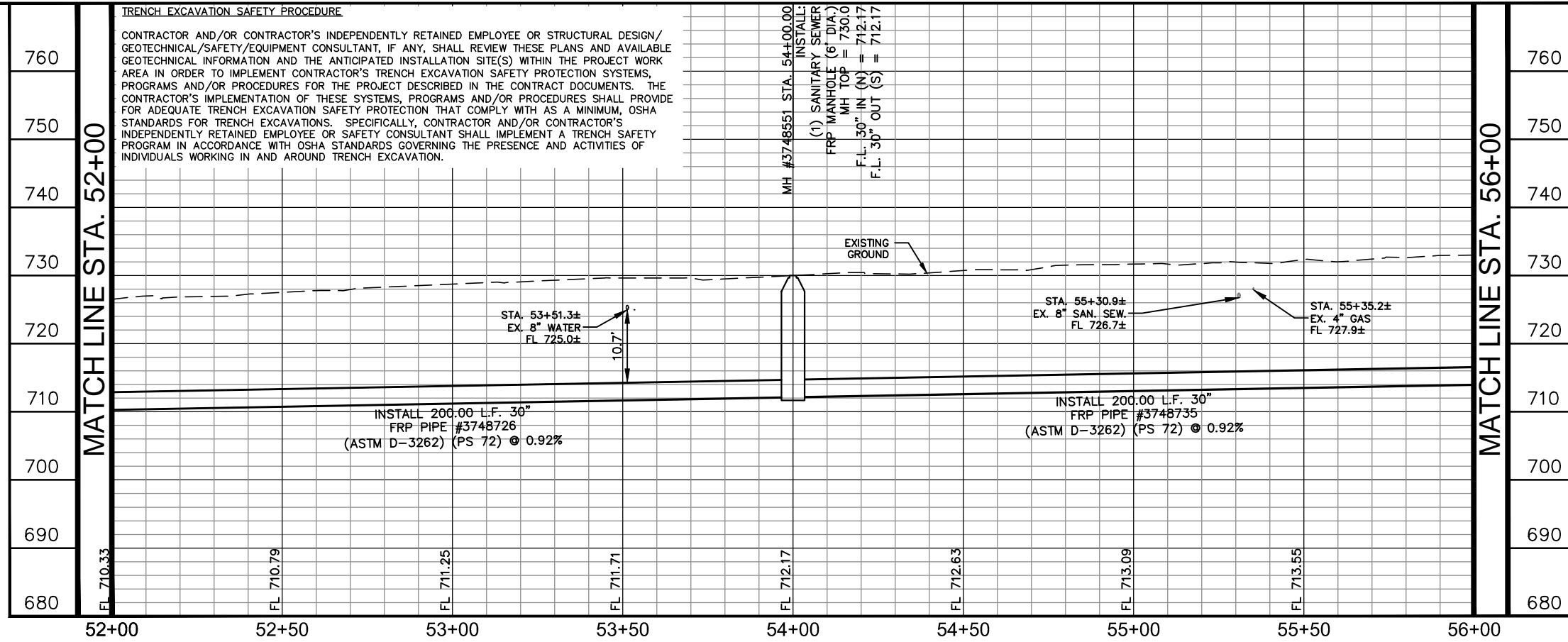
C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 52+00-STA. 56+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C14
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:18 PM
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CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
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SAN ANTONIO WATER SYSTEM NOTE:

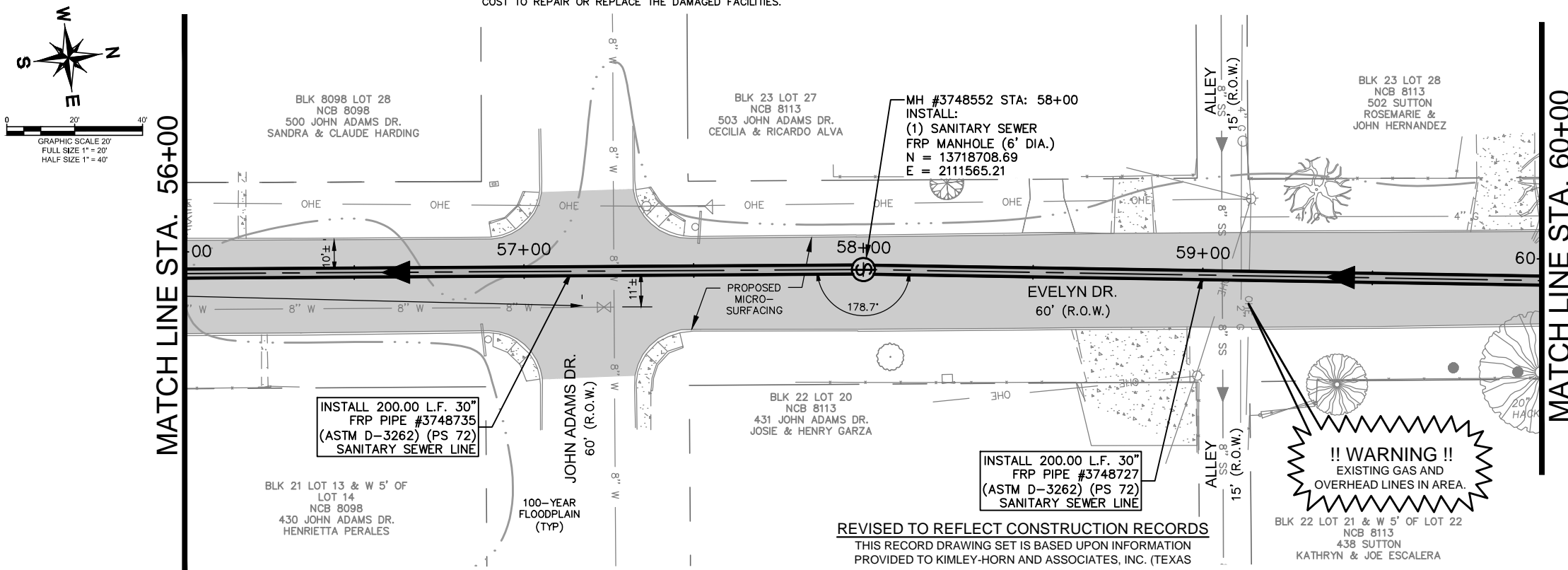
LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	60
203	TACK COAT	GAL	30
239	MICRO-SURFACING	SY	1323
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (18' - 22')	LF	400
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	13
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	400

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE
 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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL

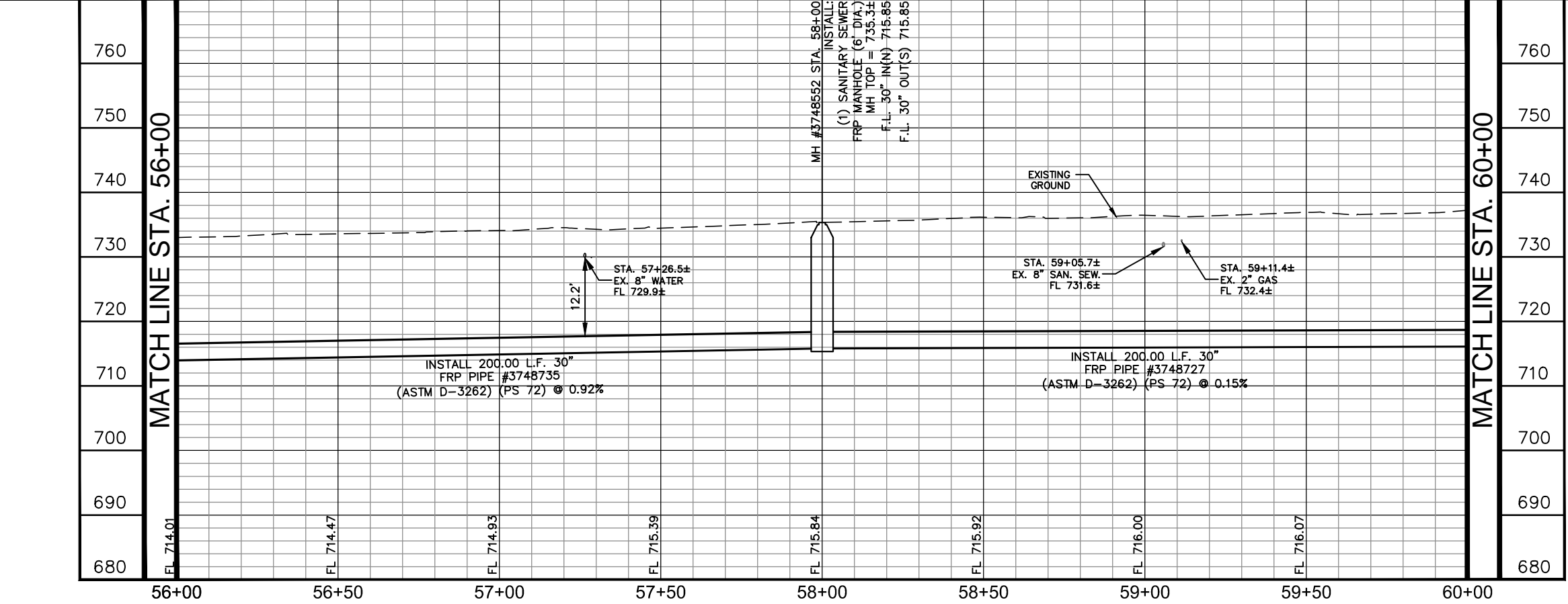
PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING SAN. SWR. MANHOLE	

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 56+00-STA. 60+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C15
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:21 PM
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CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

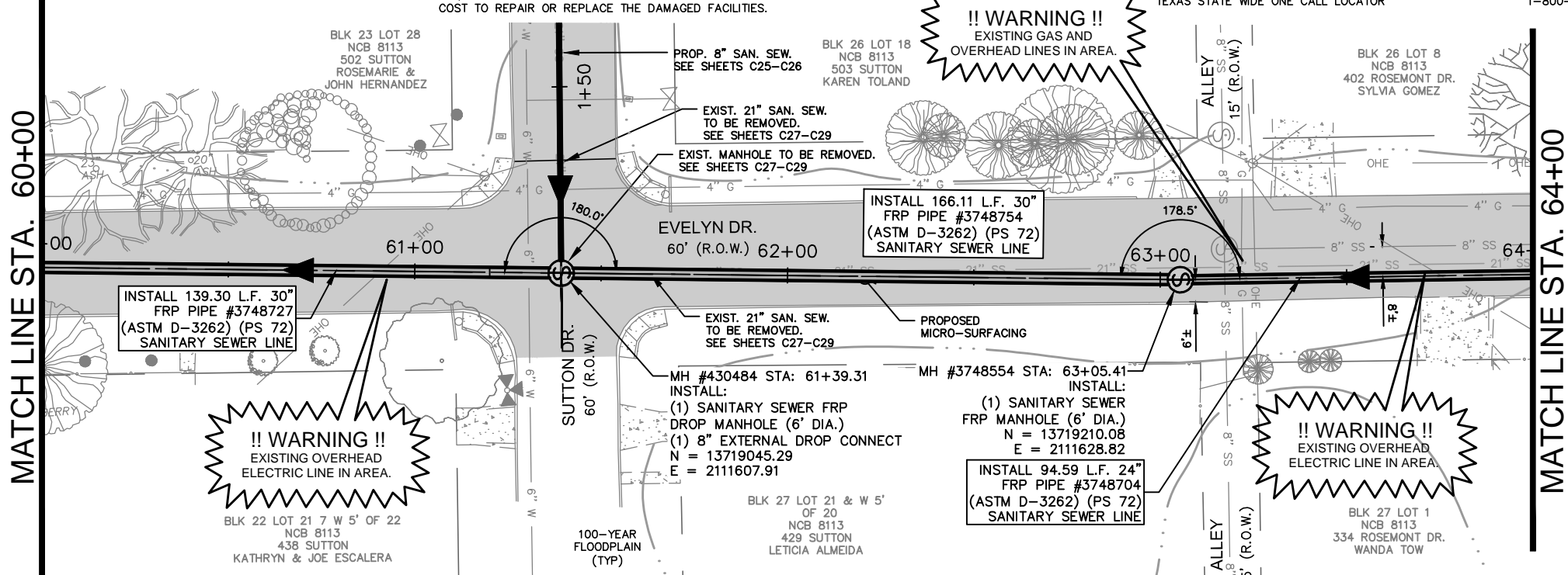
SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES
 PRODUCTION CONTROL CENTER
 COSA DRAINAGE
 COSA TRAFFIC SIGNAL OPERATIONS
 TEXAS STATE WIDE ONE CALL LOCATOR

233-2009
 233-2016
 207-8052
 207-7720
 1-800-545-6005

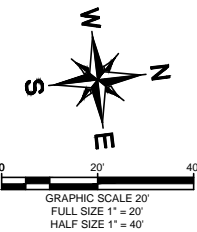


!! WARNING !!
 EXISTING GAS AND OVERHEAD LINES IN AREA.

!! WARNING !!
 EXISTING OVERHEAD ELECTRIC LINE IN AREA.

!! WARNING !!
 EXISTING OVERHEAD ELECTRIC LINE IN AREA.

!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	55
203	TACK COAT	GAL	28
239	MICRO-SURFACING	SY	1314
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	296
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	49
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	46
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (22' - 25')	LF	58
848	30" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (25' - 30')	LF	247
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP DROP MANHOLE (0'-6" DEPTH) (6' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	36
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18" - 24")	LF	95
866.3	SANITARY SEWER POST TELEVISION INSPECTION (30" AND LARGER)	LF	305

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES. TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

COORDINATE NOTE:

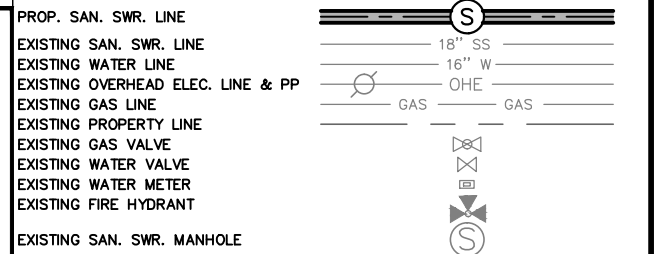
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)	
FULL SIZE (22" x 34")	HALF SIZE (11" x 17")
1" = 10' VERTICAL	1" = 20' VERTICAL



RECORD DRAWING
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Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

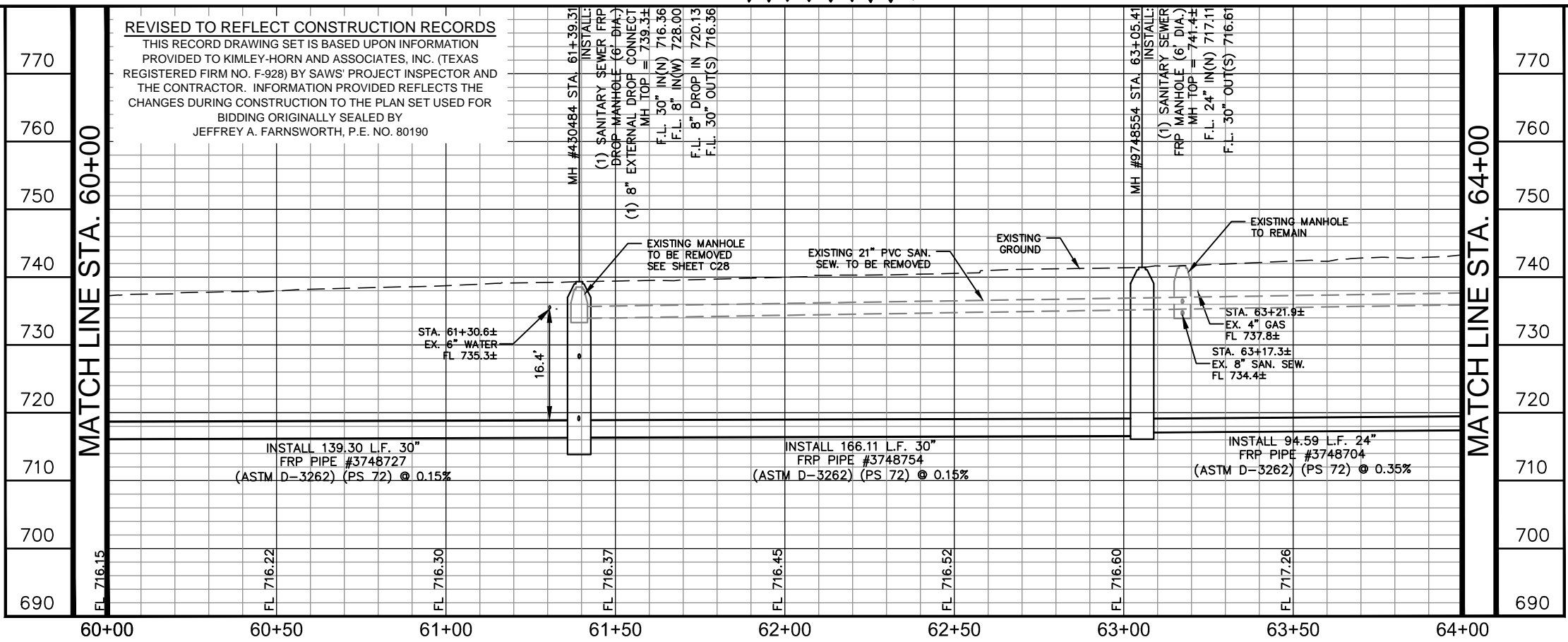
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
30-INCH SANITARY SEWER PLAN & PROFILE STA. 60+00-STA. 64+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C16
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

REVISED TO REFLECT CONSTRUCTION RECORDS
 THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:24 PM
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 DATE: 3/19/2019 3:24 PM

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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 CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

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THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES
 PRODUCTION CONTROL CENTER
 COSA DRAINAGE
 COSA TRAFFIC SIGNAL OPERATIONS
 TEXAS STATE WIDE ONE CALL LOCATOR

233-2009
 233-2016
 207-8052
 207-7720
 1-800-545-6005

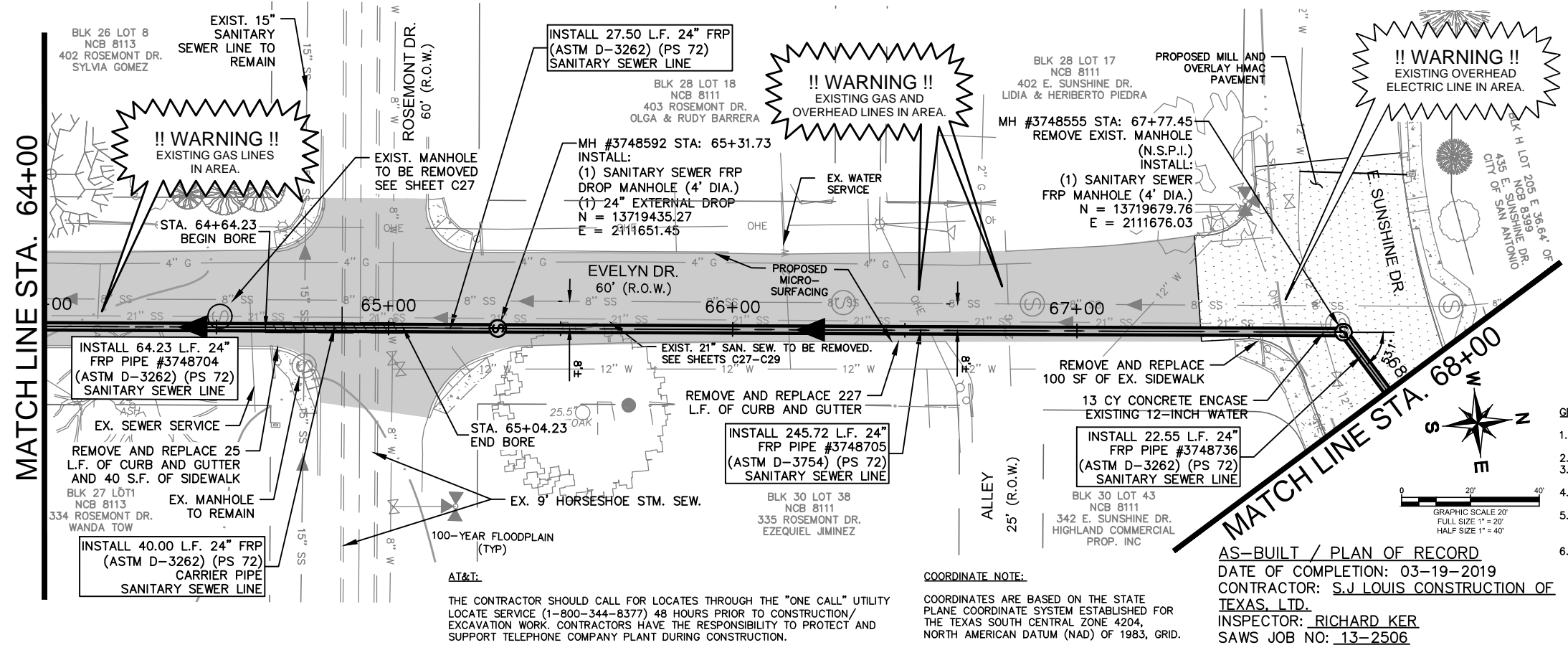
!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

!! WARNING !!
 EXISTING OVERHEAD ELECTRIC LINE IN AREA.

!! WARNING !!
 EXISTING GAS AND OVERHEAD LINES IN AREA.

MATCH LINE STA. 64+00

MATCH LINE STA. 68+00

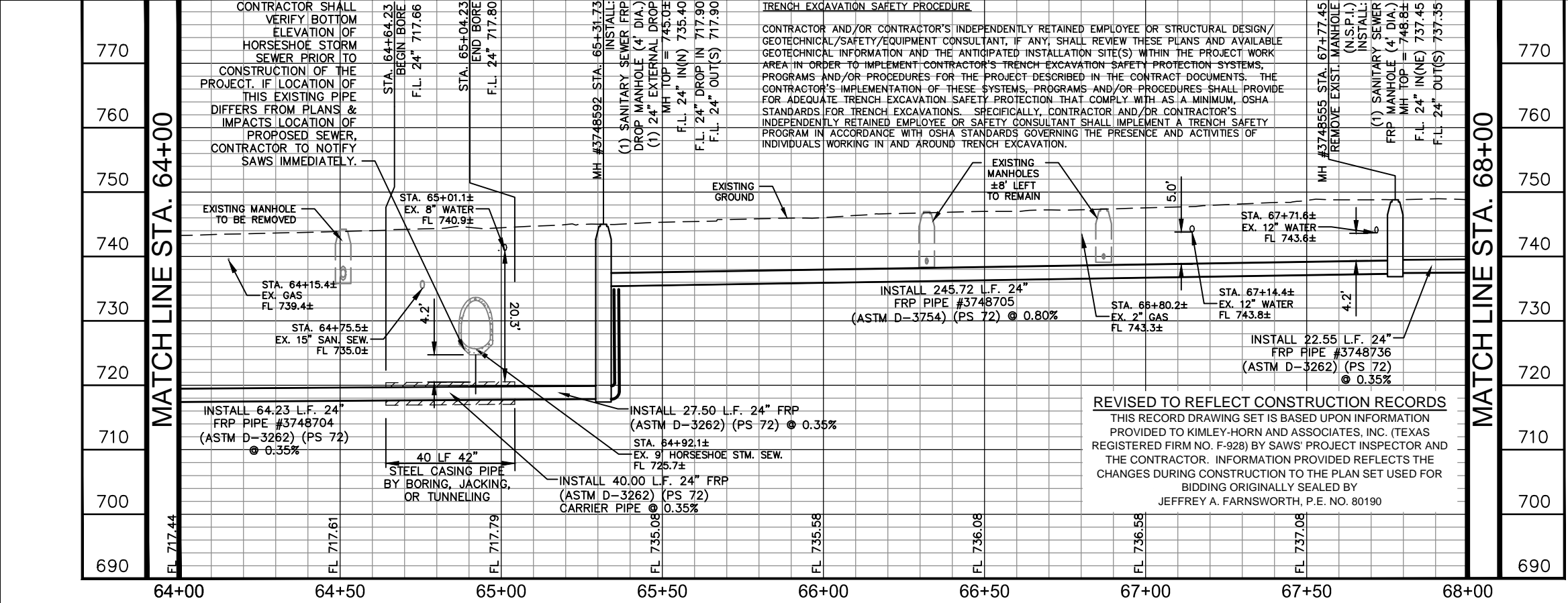


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	252
103.3	REMOVE SIDEWALKS AND DRIVEWAYS	SF	100
202	PRIME COAT	GAL	84
203	TACK COAT	GAL	42
205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT (3\"/>		

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
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AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506



LEGEND

- PROF. SAN. SWR. LINE: 18" SS
- EXISTING SAN. SWR. LINE: 16" W
- EXISTING WATER LINE: OHE
- EXISTING OVERHEAD ELEC. LINE & PP: GAS
- EXISTING GAS LINE: GAS
- EXISTING PROPERTY LINE: [Symbol]
- EXISTING GAS VALVE: [Symbol]
- EXISTING WATER VALVE: [Symbol]
- EXISTING WATER METER: [Symbol]
- EXISTING FIRE HYDRANT: [Symbol]
- EXISTING SAN. SWR. MANHOLE: [Symbol]

RECORD DRAWING THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

DATE: MARCH 2019
 DESIGN: JAF
 DRAWN: ABC
 CHECKED: VRS

SAWS PROJECT NO. 13-2506
 KHA PROJECT NO. 068665011

C-12 DONALDSON TERRACE PROJECT
 SHEET 24-INCH SANITARY SEWER PLAN & PROFILE STA. 64+00-STA. 68+00

SHEET NO. C17

PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:26 PM
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 DATE: 3/19/2019 3:26 PM

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
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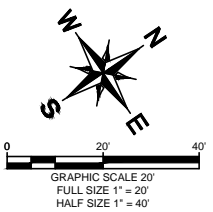
SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005

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!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

!! WARNING !!
 EXISTING OVERHEAD ELECTRIC LINE IN AREA.



COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

REVISED TO REFLECT CONSTRUCTION RECORDS

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ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	32
202	PRIME COAT	GAL	333
203	TACK COAT	GAL	165
205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT (3" THICK) (TYPE D)	SY	1664
208	SALVAGING, HAULING, & STOCKPIILING RECLAIMABLE ASPHALTIC PVMT. (3")	SY	1664
500.4	CONCRETE CURB AND GUTTER	LF	32
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	60
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 3" HMAC (TYPE D)	SY	214
535.1	4-INCH WIDE YELLOW LINE	LF	616
535.2	4-INCH WIDE WHITE LINE	LF	416
535.13	STRAIGHT WHITE ARROW	EA	2
535.17	BICYCLE RIDER SYMBOL	EA	2
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (6' - 10')	LF	340
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	60
853	SANITARY SEWER FRP MANHOLE (0' - 6' DEPTH) (4' DIA)	EA	1
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	3
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18" - 24")	LF	400

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

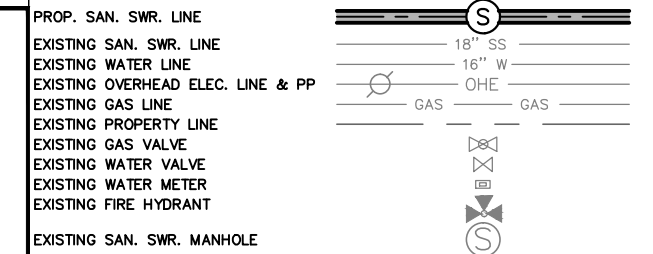
AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
FULL SIZE (22" x 34")
1" = 10' VERTICAL
HALF SIZE (11" x 17")
1" = 20' VERTICAL



RECORD DRAWING
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Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

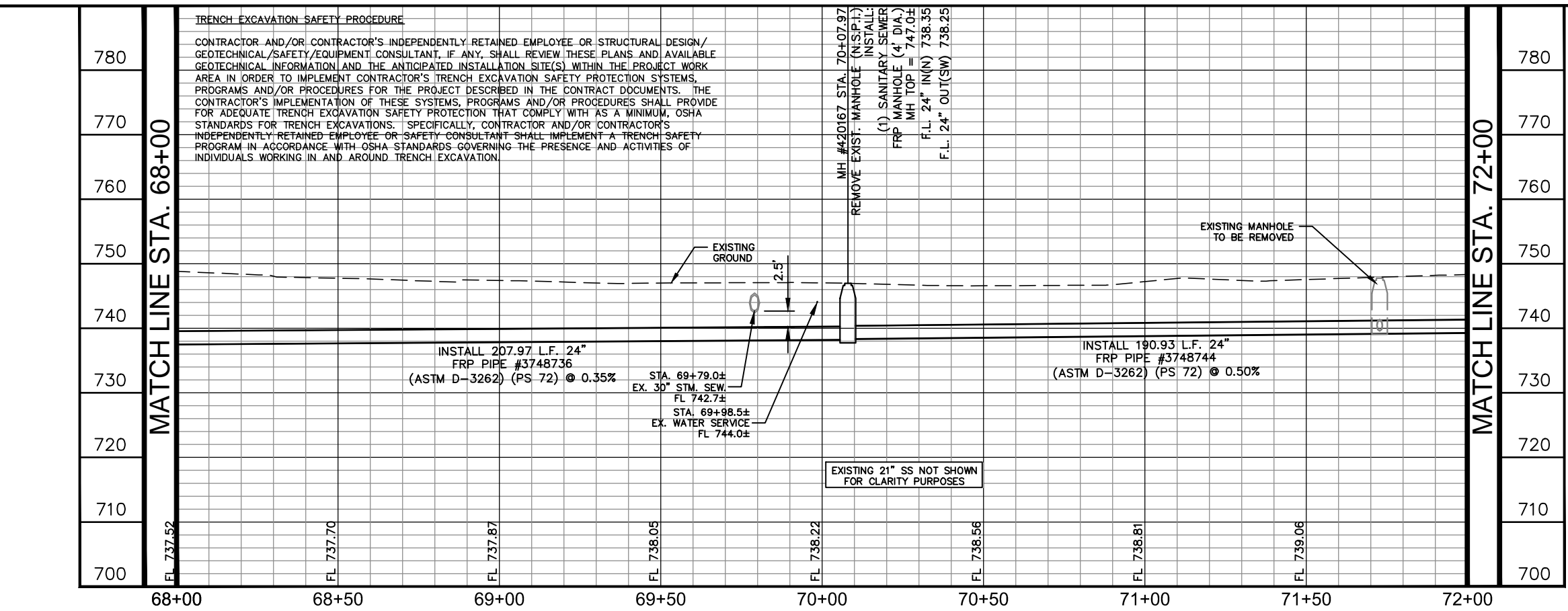
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT

SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 68+00-STA. 72+00

SAN ANTONIO WATER SYSTEM

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C18
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		



PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:28 PM
 K:\SNA UTILITIES\068665011\CONSTRUCTION\C-12 DONALDSON TERRACE\PROJECT\C-12-068665011.DWG
 DATE: 3/19/2019 3:28 PM

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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 CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

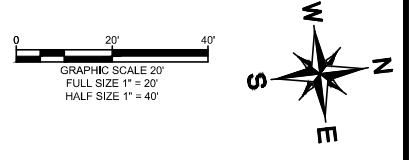
SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

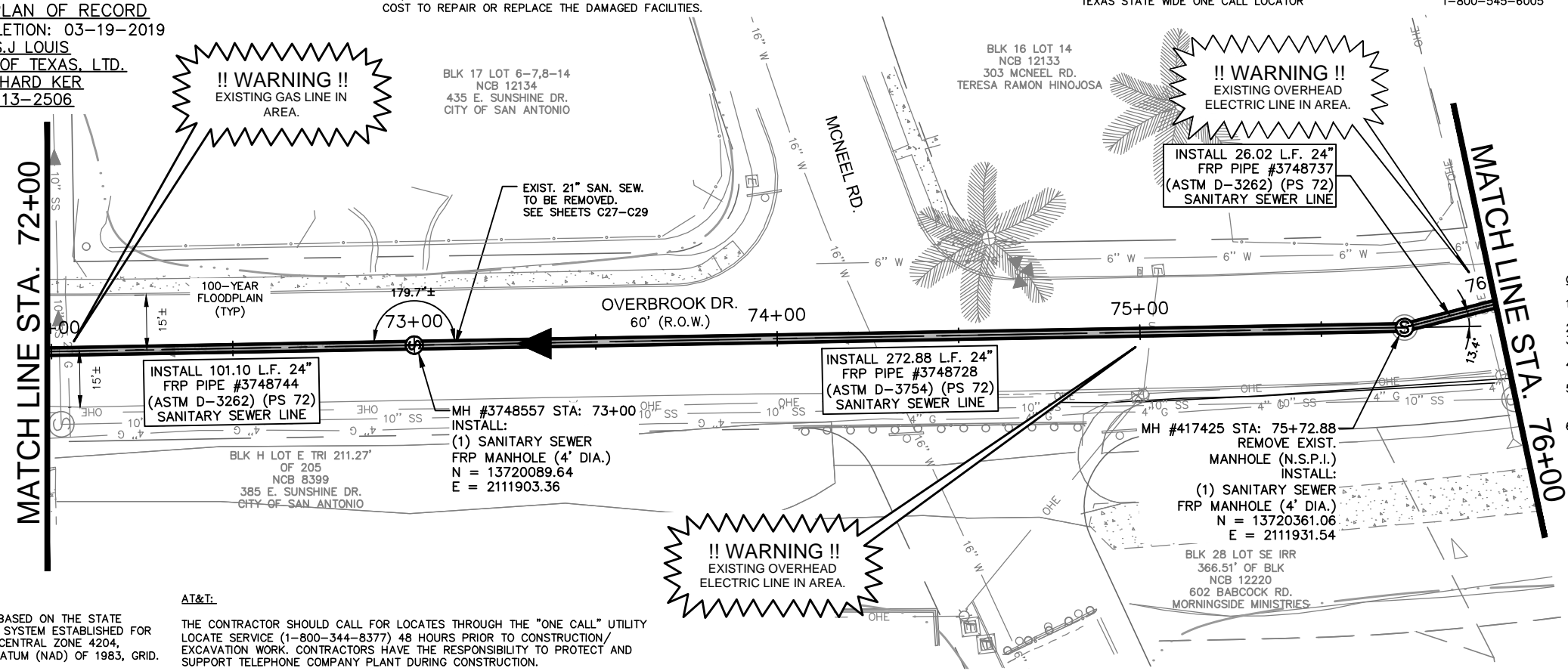
SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES: 233-2009
 PRODUCTION CONTROL CENTER: 233-2016
 COSA DRAINAGE: 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS: 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR: 1-800-545-6005

!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J. LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	55
203	TACK COAT	GAL	28
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	274
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (6' - 10')	LF	101
848	24" FRP (ASTM D-3754) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	299
853	SANITARY SEWER FRP MANHOLE (0'-6" DEPTH) (4' DIA)	EA	2
853	SANITARY SEWER FRP MANHOLE (EXTRA DEPTH)	VF	9
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18" - 24")	LF	400

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
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- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

COORDINATE NOTE:

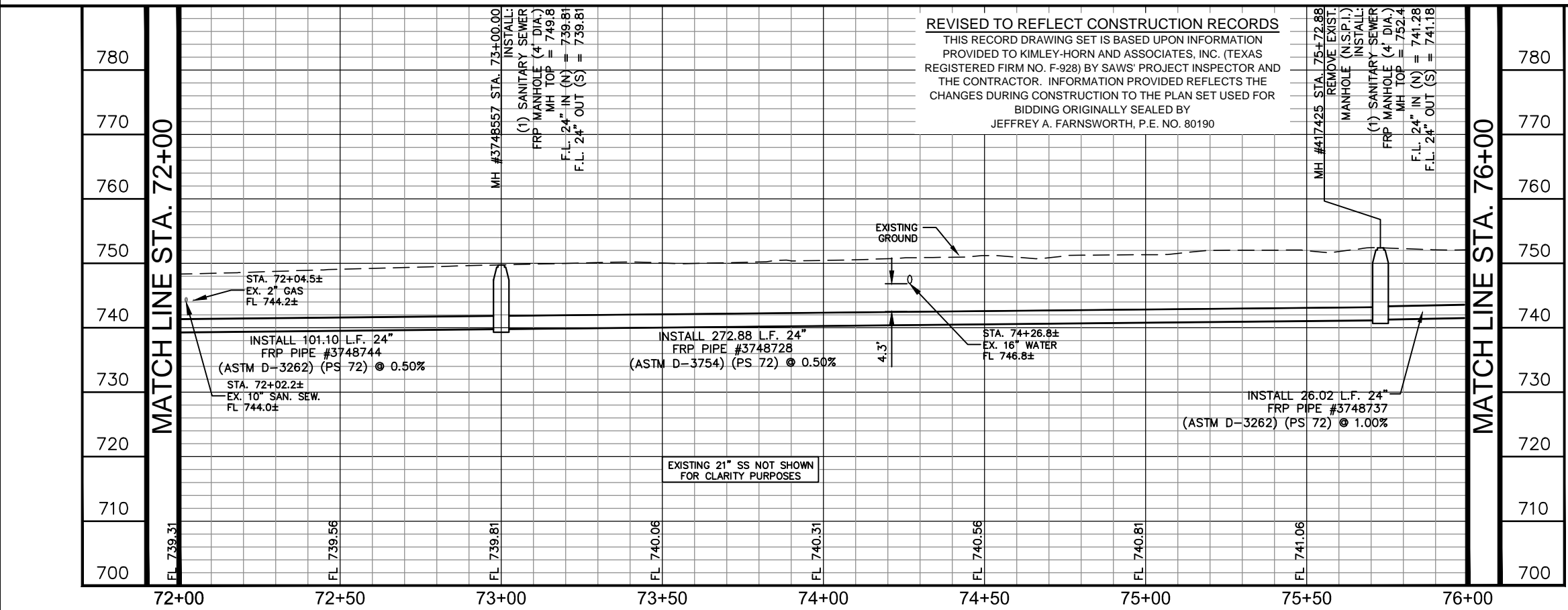
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

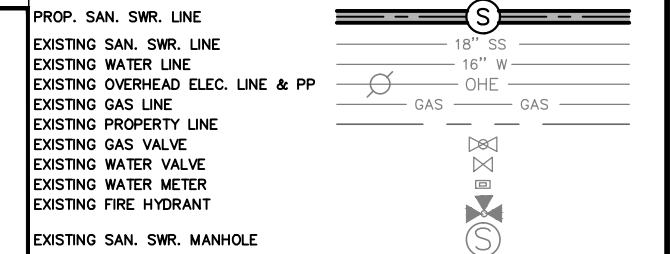
THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190



LEGEND



Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699
 BY: [Signature] DATE: 03-19-2019

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 72+00-STA. 76+00

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C19
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA DANIELA 3/19/2019 3:30 PM
 DRAWN NAME: K.S.M.A. UTILITIES/068665011/CONSTRUCTION/C-12 DONALDSON TERRACE PROJECT SHEETS/068665011.DWG
 DATE PLOTTED: 3/19/2019 3:30 PM

CPS ENERGY NOTE:

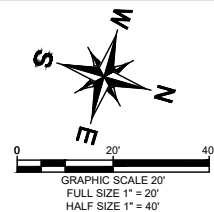
1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	TACK COAT	GAL	55
203	PRIME COAT	GAL	28
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	274
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (6' - 10')	LF	104
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	296
853	SANITARY SEWER FRP MANHOLE (4' DIA.) (0'-6')	EA	2
853	SANITARY SEWER FRP MANHOLE (4' DIA.) EXTRA DEPTH	VF	8.5
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18"-24")	LF	400

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
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5. CONNECTION OF EXISTING SANITARY SEWERS TO BE PROPOSED MANHOLES AND CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).
7. EXISTING 21-INCH SANITARY SEWER TO BE REMOVED AND/OR ABANDONED, NOT SHOWN FOR CLARITY PURPOSES, IS AT OR NEAR THE SAME ELEVATION OF THE PROPOSED 24-INCH SANITARY SEWER. TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

REVISED TO REFLECT CONSTRUCTION RECORDS
 THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO K FRIESE + ASSOCIATES (TEXAS REGISTERED FIRM NO. 6535) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY DALE P. MURPHY, P.E. NO. 90614

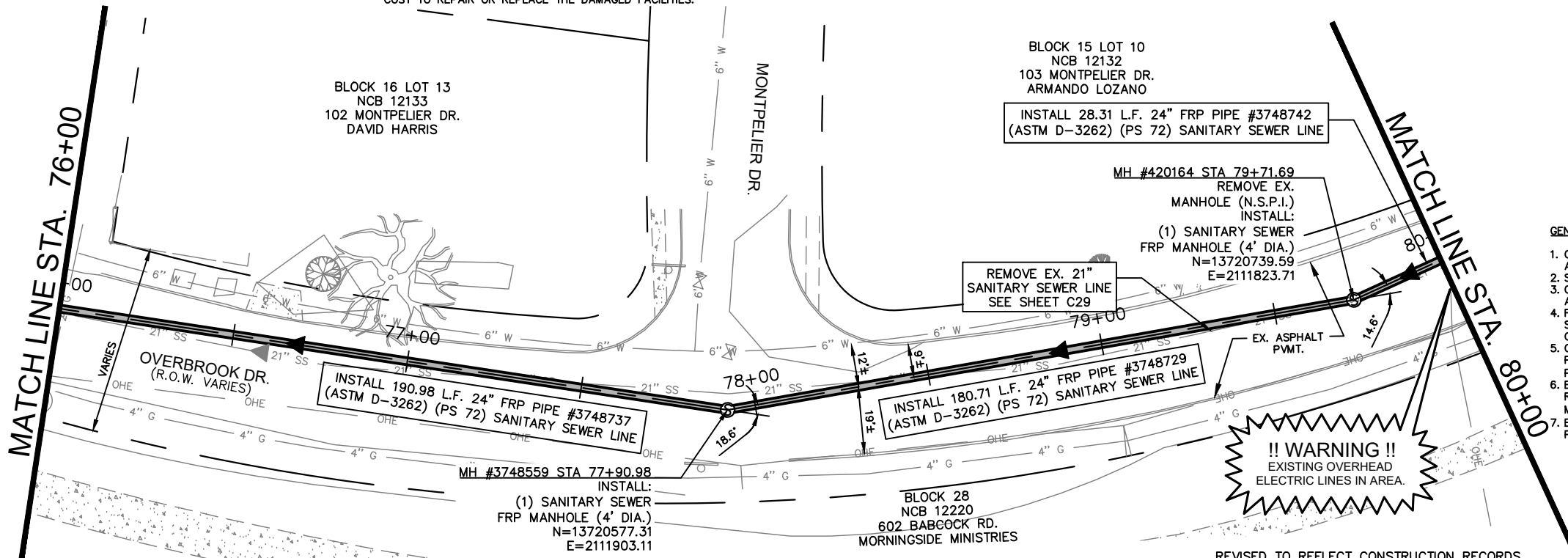
AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 01-25-2018
 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

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LEGEND

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 10' VERTICAL
 HALF SIZE (11" x 17") 1" = 20' VERTICAL

PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	

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 DATE: 01-10-2019

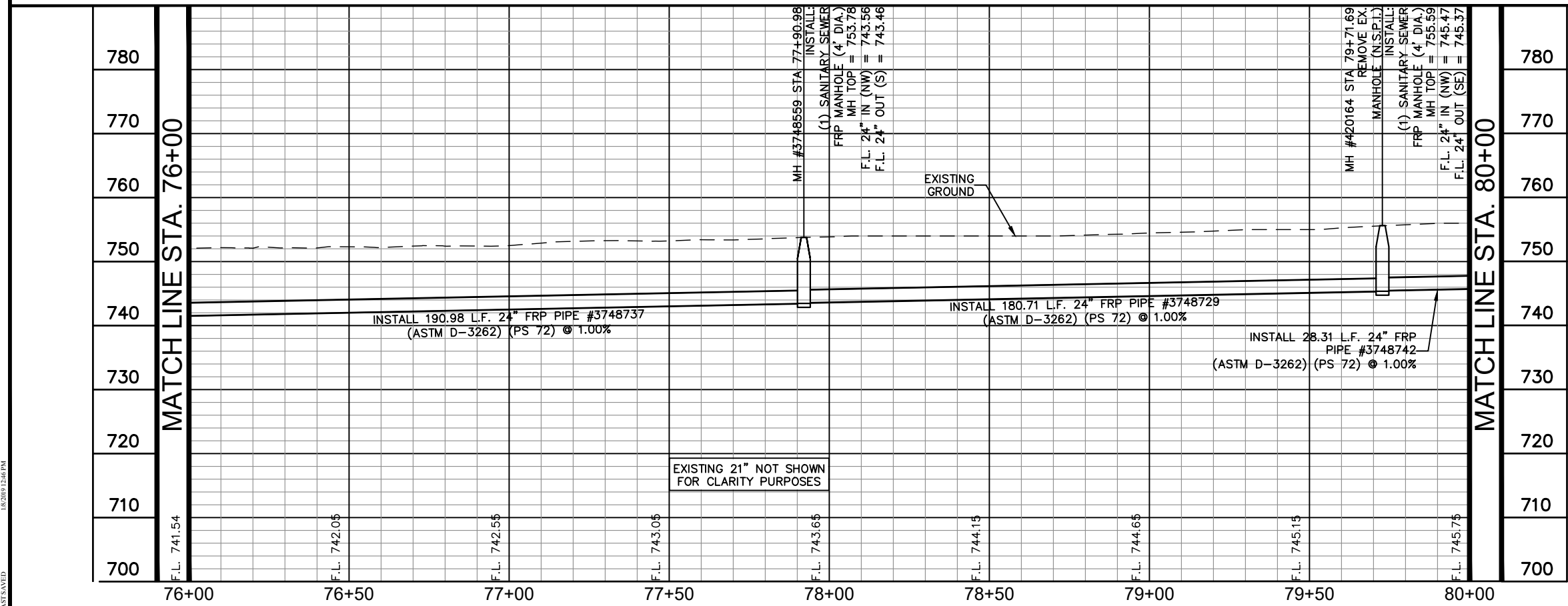
K-FRIESE + ASSOCIATES
 PUBLIC PROJECT ENGINEERING
 1120 S. Capital of Texas Highway
 CityView 2, Suite 100
 Austin, Texas 78746
 P - 512.338.1704 F - 512.338.1784
 TBPE Firm #6535
 www.kfriese.com

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 76+00-STA. 80+00

SAN ANTONIO WATER SYSTEM

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C20
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		



PLOTTED BY: GREG BLACKBURN 1/8/2019 12:48 PM
 XREF: PROJECTS/06-SAWS/C12/DWG/SHEET/0609_P1.DWG
 DATE: 1/8/2019

CPS ENERGY NOTE:

1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
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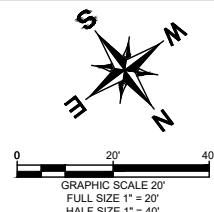
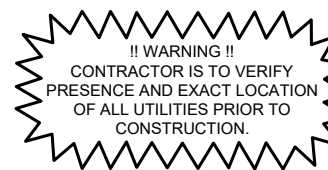
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 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
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853	SANITARY SEWER FRP MANHOLE (4' DIA.) (0'-6")	EA	2
853	SANITARY SEWER FRP MANHOLE (4' DIA.) EXTRA DEPTH	VF	9.4
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18"-24")	LF	400

GENERAL NOTES:

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4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO BE PROPOSED MANHOLES AND CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
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TRENCH EXCAVATION SAFETY PROCEDURE

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* NO SEPARATE PAY ITEM (N.S.P.I.)

LEGEND

	FULL SIZE (22" x 34") 1" = 10' VERTICAL	HALF SIZE (11" x 17") 1" = 20' VERTICAL
PROP. SAN. SWR. LINE		
EXISTING SAN. SWR. LINE		
EXISTING WATER LINE		
EXISTING OVERHEAD ELEC. LINE & PP		
EXISTING GAS LINE		
EXISTING PROPERTY LINE		
EXISTING GAS VALVE		
EXISTING WATER VALVE		
EXISTING WATER METER		

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 BY:
 DATE: 01-10-2019

K-FRIESE + ASSOCIATES
 PUBLIC PROJECT ENGINEERING
 1120 S. Capital of Texas Highway
 CityView 2, Suite 100
 Austin, Texas 78746
 P - 512.338.1704 F - 512.338.1784
 TBPE Firm #6535
 www.kfriese.com

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 80+00-STA. 84+00

SAN ANTONIO WATER SYSTEM

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C21
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		

COORDINATE NOTE:

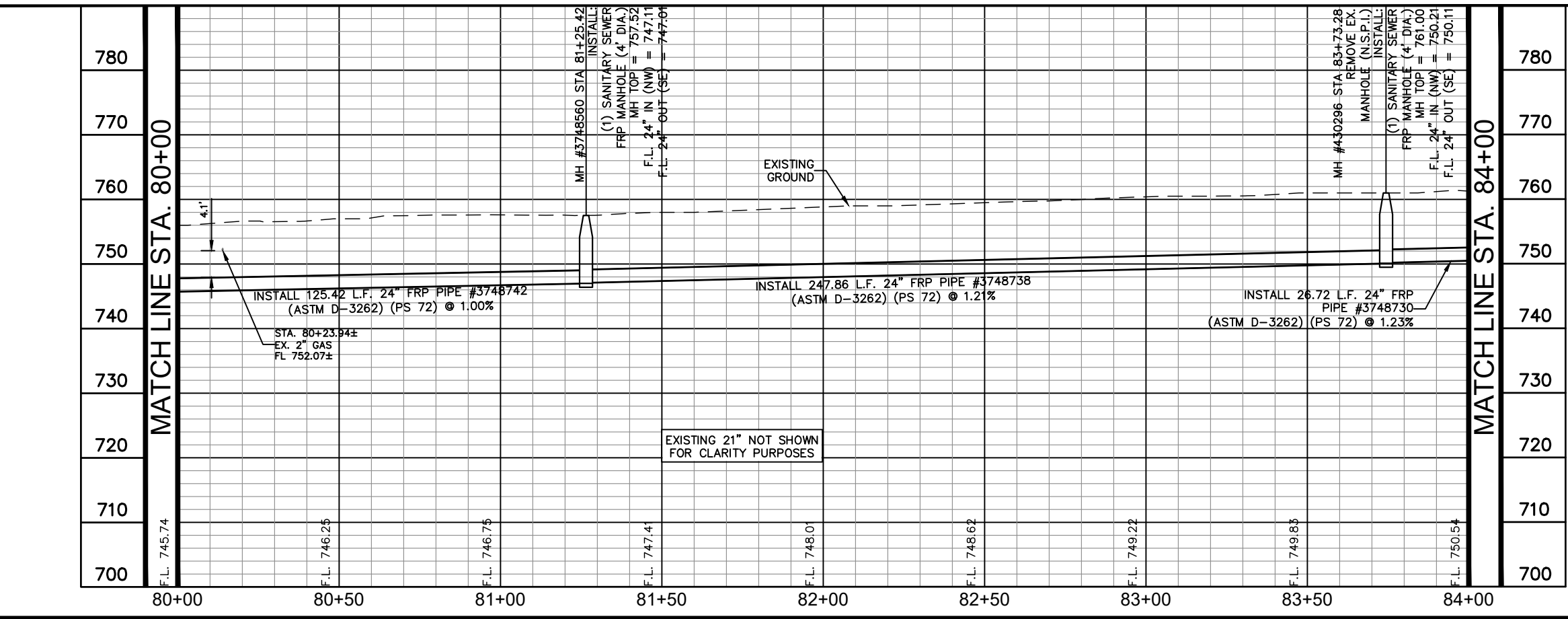
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 01-25-2018
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS.
 THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO K FRIESE + ASSOCIATES (TEXAS REGISTERED FIRM NO. 6535) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY DALE P. MURPHY, P.E. NO. 90614



PLOTTED BY: GREG BLACKBURN 1/8/2019 12:48 PM
 XPRINTER: XPRINTER - SAWS\CEDWG\SHIET0096 - PTDWG
 DATE: 1/8/2019 12:48 PM

CPS ENERGY NOTE:

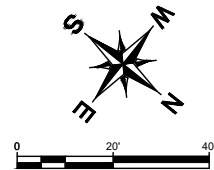
- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	TACK COAT	GAL	55
203	PRIME COAT	GAL	28
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	274
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	400
848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	400
853	SANITARY SEWER FRP MANHOLE (4' DIA.) (0'-6")	EA	2
853	SANITARY SEWER FRP MANHOLE (4' DIA.) EXTRA DEPTH	VF	11.4
866.3	SANITARY SEWER POST TELEVISION INSPECTION (18"-24")	LF	400

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
- SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRIADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
- CONNECTION OF EXISTING SANITARY SEWERS TO BE PROPOSED MANHOLES AND CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).
- EXISTING 21-INCH SANITARY SEWER TO BE REMOVED AND/OR ABANDONED, NOT SHOWN FOR CLARITY PURPOSES, IS AT OR NEAR THE SAME ELEVATION OF THE PROPOSED 24-INCH SANITARY SEWER.

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

* NO SEPARATE PAY ITEM (N.S.P.I.)
 FULL SIZE (22" x 34") 1" = 20' VERTICAL
 HALF SIZE (11" x 17") 1" = 40' VERTICAL

LEGEND

PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	

RECORD DRAWING
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 DATE: 01-10-2019

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 TBPE Firm #6535
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No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 84+00-STA. 88+00

SAN ANTONIO WATER SYSTEM

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C22
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		

COORDINATE NOTE:

COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

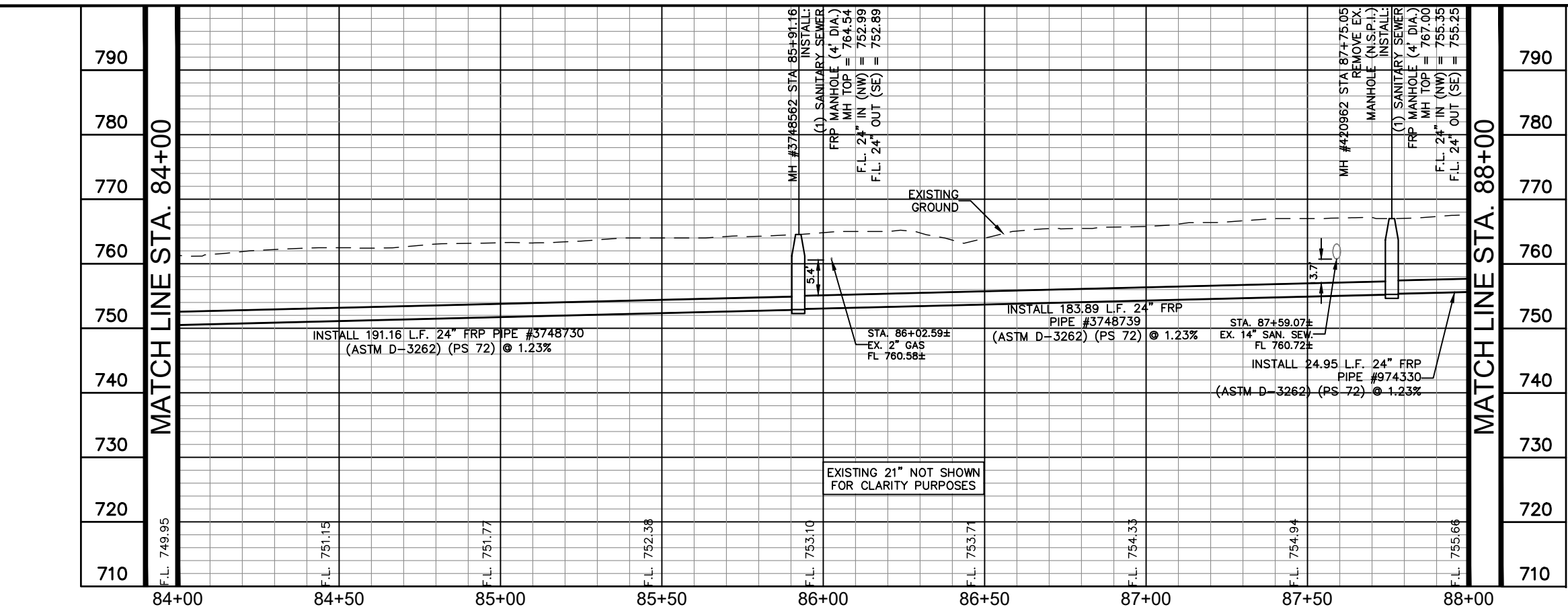
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AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 01-25-2018
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS

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PLOTTED BY: GREG BLACKBURN 1/23/2019 12:09 PM
 XREF: PROJECTS/1306 - SAWS/C12/DWG/SHEET/068665011_P1.DWG
 DATE: 1/23/2019

CPS ENERGY NOTE:

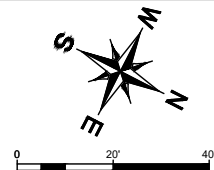
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 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



GRAPHIC SCALE 20'
 FULL SIZE 1" = 20'
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ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
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848	24" FRP (ASTM D-3262) (PS 72) SANITARY SEWER LINE (10' - 14')	LF	400
853	SANITARY SEWER FRP MANHOLE (4' DIA.) (0'-6")	EA	1
853	SANITARY SEWER FRP MANHOLE (4' DIA.) EXTRA DEPTH	VF	6.4
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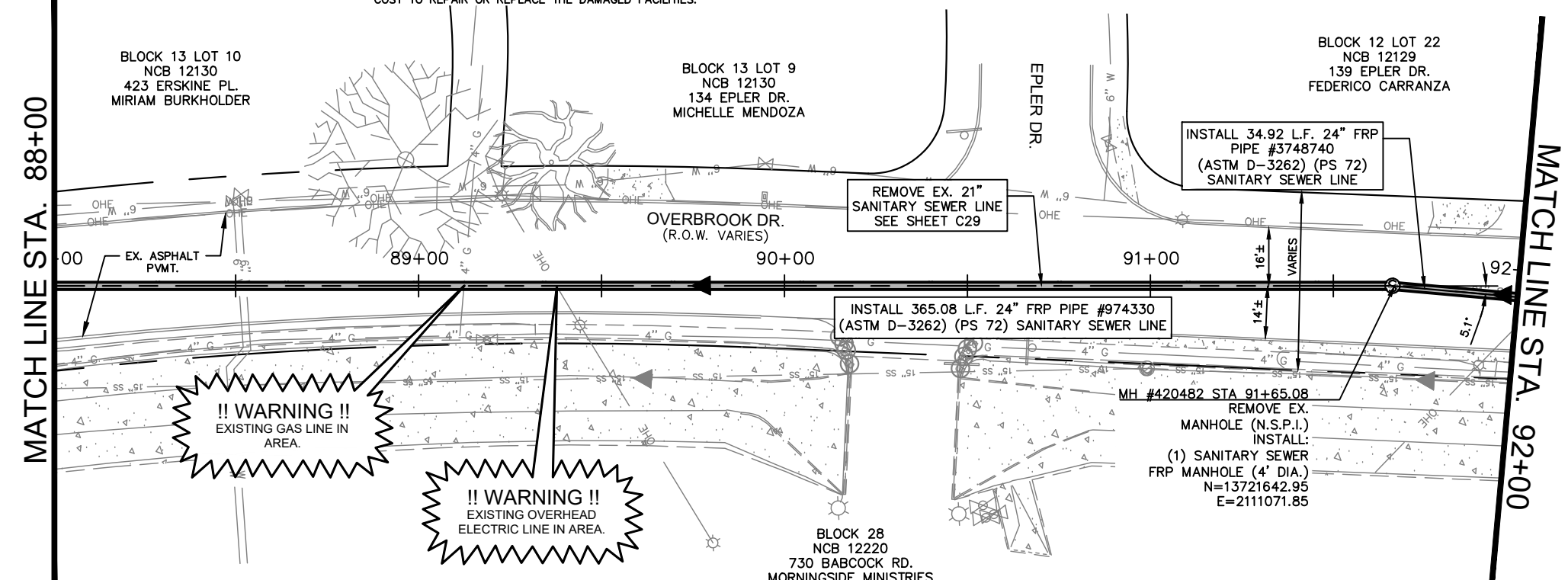
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No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 88+00-STA. 92+00

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C23
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		



COORDINATE NOTE:

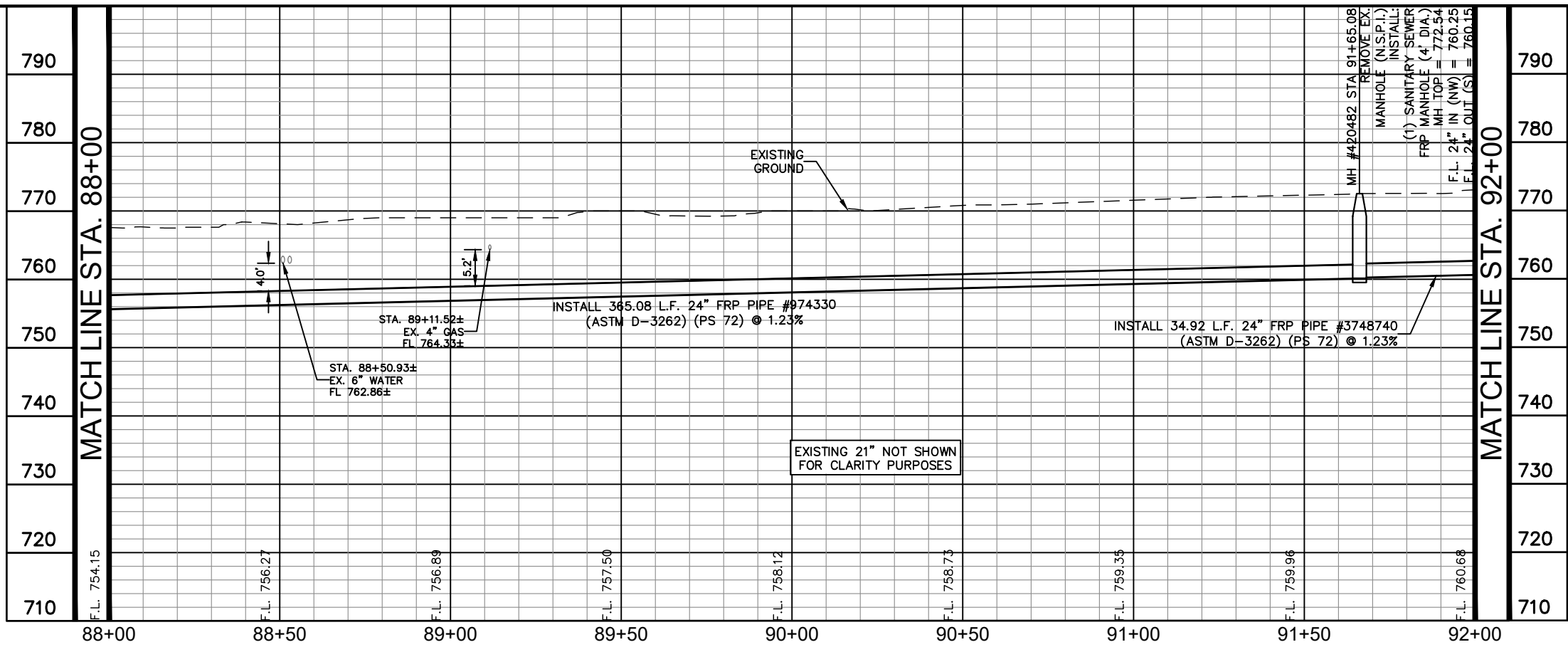
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AS-BUILT / PLAN OF RECORD
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 CONTRACTOR: S.J LOUIS CONSTRUCTION OF TEXAS, LTD.
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 SAWS JOB NO: 13-2506

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PLOTTED BY: GREG BLACKBURN 1/8/2019 12:49 PM
 XPRJ01351006 - SAWS C12 DONALDSON TERRACE PROJECT
 DATE: 01/08/2019

CPS ENERGY NOTE:

- CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
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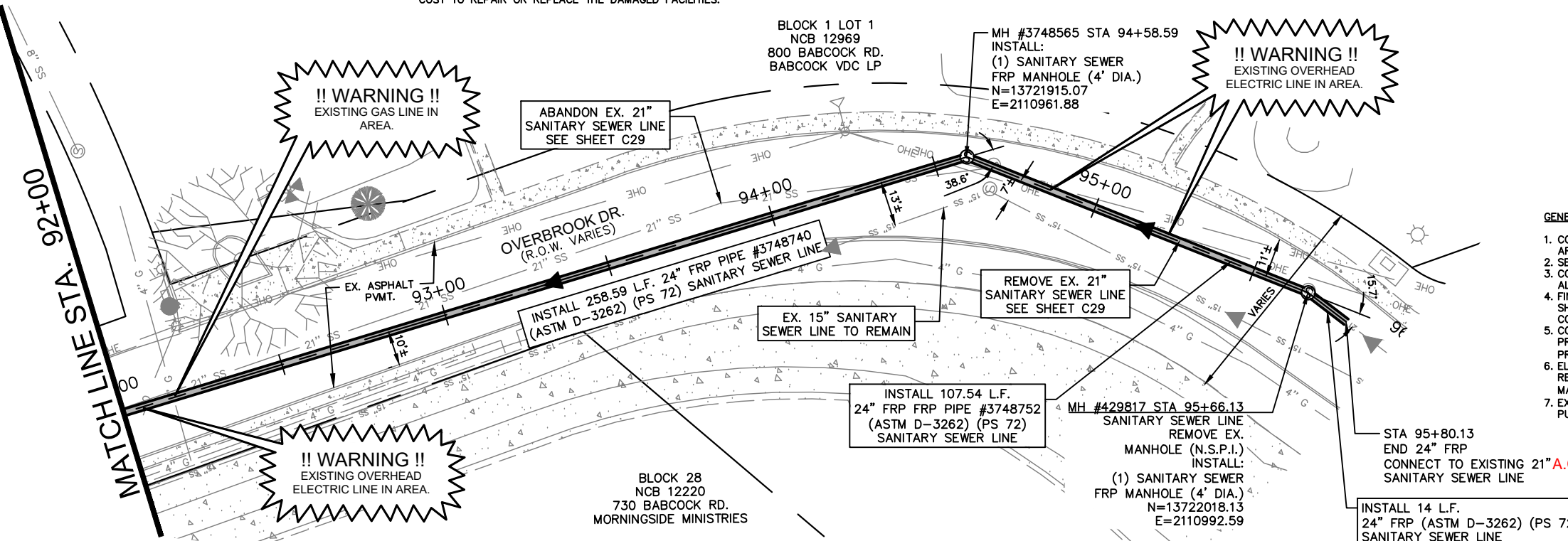
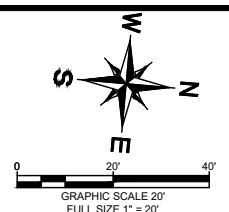
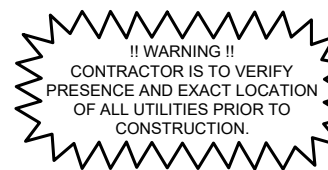
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AS-BUILT / PLAN OF RECORD

DATE OF COMPLETION: 01-25-2018
 CONTRACTOR: S.J. LOUIS CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

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 DATE: 01-10-2019

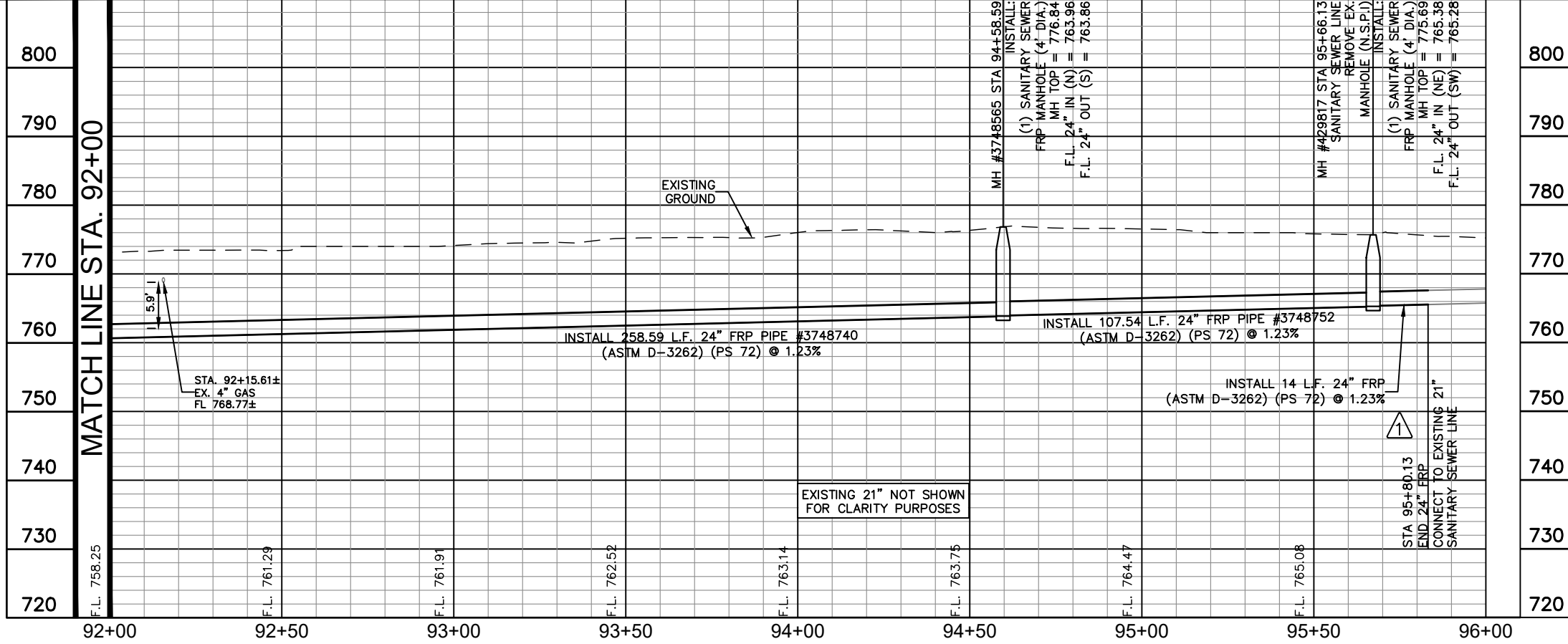
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 1120 S. Capital of Texas Highway
 CityView 2, Suite 100
 Austin, Texas 78746
 P - 512.338.1704 F - 512.338.1784
 TBPE Firm #6535
 www.kfriesecom

No.	Revision	By	Date
1	EXTEND PROJECT LIMITS	DM	01/29/18

C-12 DONALDSON TERRACE PROJECT
 SHEET
24-INCH SANITARY SEWER PLAN & PROFILE STA. 92+00-END

SAN ANTONIO WATER SYSTEM

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C24
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		



PLOTTED BY: GREG BLACKBURN 1/23/2019 12:50 PM
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 1/23/2019 12:50 PM

CPS ENERGY NOTE:

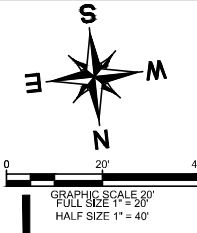
1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

SAN ANTONIO WATER SYSTEM NOTE:

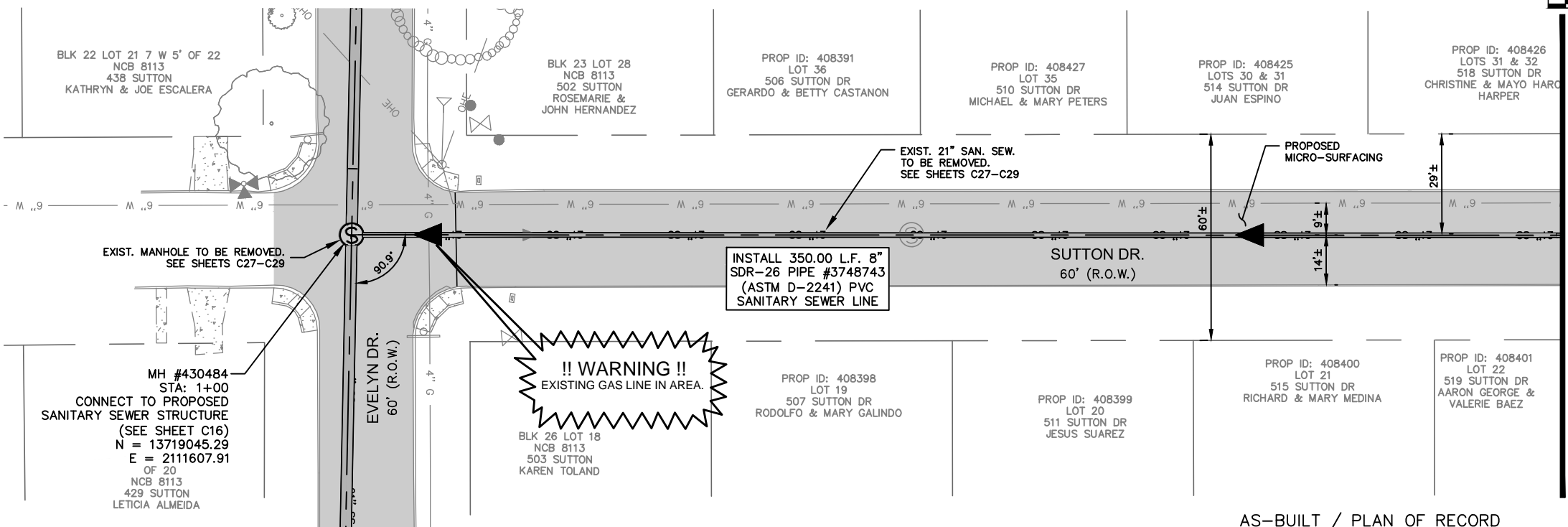
LOCATION AND DEPTH OF EXISTING WATER AND SEWER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 704-7811. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER AND SEWER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION.

SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	38
203	TACK COAT	GAL	19
239	MICRO-SURFACING	SY	972
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	188
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	350
848	8" SDR-26 (ASTM D-2241) SANITARY SEWER LINE (6' - 10')	LF	66
848	8" SDR-26 (ASTM D-2241) SANITARY SEWER LINE (10' - 14')	LF	284
866.3	SANITARY SEWER POST TELEVISION INSPECTION (8" - 15")	LF	350



MATCH LINE STA. 4+50

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
3. CONTRACTOR TO ESTABLISH AND MAINTAIN TRAFFIC BARRICADING AND CONTROL DEVICES ALONG THE ALIGNMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
4. FINAL PAY CUTS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. FINAL CUTS SHALL BE BASED UPON THE EXISTING GROUND ELEVATIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION.
5. CONNECTION OF EXISTING SANITARY SEWERS TO PROPOSED MANHOLES, CONNECTION OF PROPOSED SANITARY SEWERS TO EXISTING MANHOLES, AND EXTENSIONS OF EXISTING SANITARY SEWER PIPE TO PROPOSED MANHOLES SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT (NO SEPARATE PAY ITEM).
6. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (N.S.P.I.).

TRENCH EXCAVATION SAFETY PROCEDURE

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, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

!! WARNING !!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

COORDINATE NOTE:

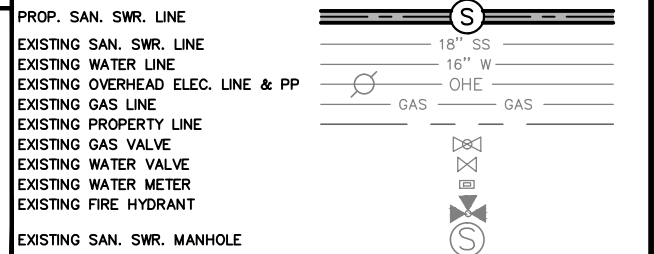
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

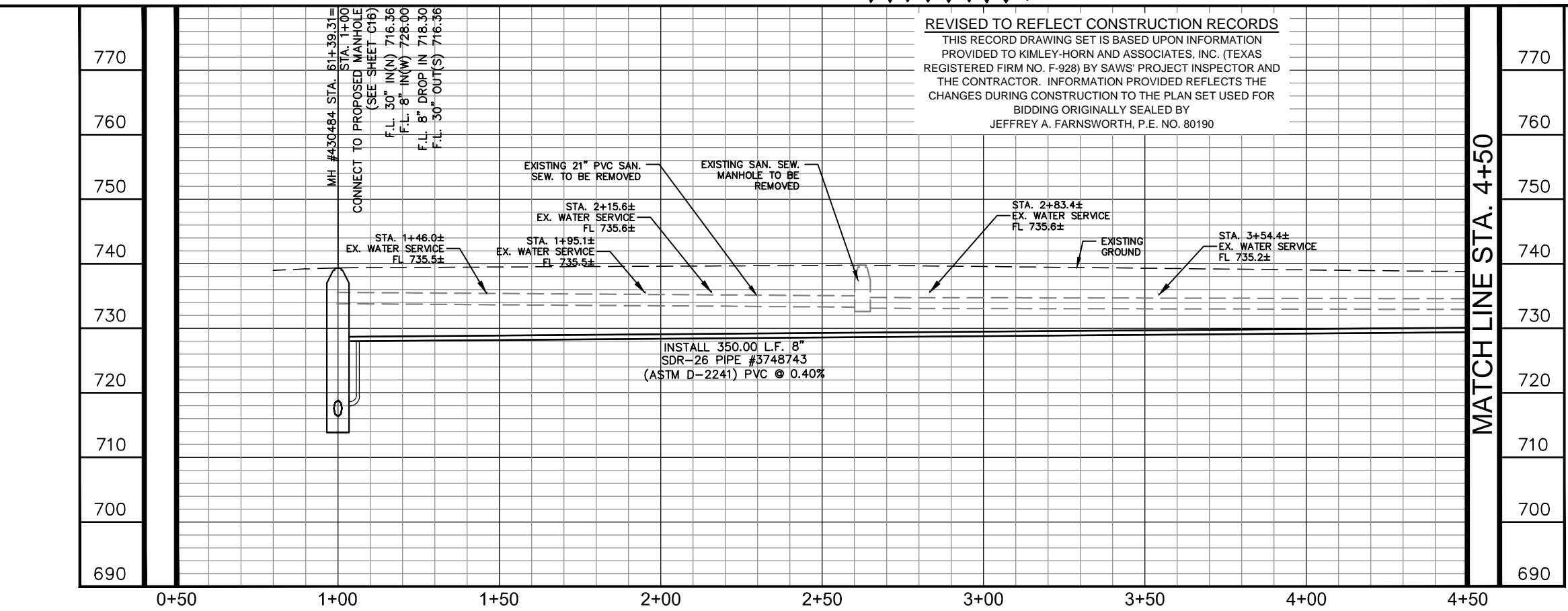
* NO SEPARATE PAY ITEM (N.S.P.I.)	
FULL SIZE (22" x 34") 1" = 10' VERTICAL	HALF SIZE (11" x 17") 1" = 20' VERTICAL

LEGEND



REVISED TO REFLECT CONSTRUCTION RECORDS

THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY JEFFREY A. FARNSWORTH, P.E. NO. 80190



MATCH LINE STA. 4+50

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
8-INCH SANITARY SEWER PLAN & PROFILE STA. 1+00-STA. 4+50

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C25
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA, DANIELA 3/20/2019 10:15 AM
 DWT NAME: K:\SMA UTILITIES\068665011\CONSTRUCTION\C-12 DONALDSON TERRACE\11-C-12-068665011.DWG
 DATE PLOTTED: 3/20/2019 10:15 AM

CPS ENERGY NOTE:

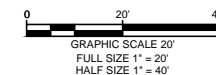
1. CALL CPS LOCATOR AT 978-3500 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
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SAN ANTONIO WATER SYSTEM NOTE:

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SAN ANTONIO WATER SYSTEM:
 UTILITY RELOCATES 233-2009
 PRODUCTION CONTROL CENTER 233-2016
 COSA DRAINAGE 207-8052
 COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PRIME COAT	GAL	41
203	TACK COAT	GAL	21
239	MICRO-SURFACING	SY	1355
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	201
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	374
848	8" SDR-26 (ASTM D-2241) SANITARY SEWER LINE (6' - 10')	LF	374
852	STD. SANITARY SEWER MANHOLE (0' - 6') (4' DIA.)	EA	3
852	STD. SANITARY SEWER MANHOLE (EXTRA DEPTH)	VF	6
866.3	SANITARY SEWER POST TELEVISION INSPECTION (8" - 15')	LF	374

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SUPPORT AND PROTECT ANY EXISTING UTILITIES ADJACENT TO WORK AREA.
2. SEWER TO BE BUILT IN PHASES, TEMPORARY CONNECTIONS AND BYPASS PUMPING MAY BE REQUIRED.
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* NO SEPARATE PAY ITEM (N.S.P.I.)

FULL SIZE (22" x 34") 1" = 10' VERTICAL	HALF SIZE (11" x 17") 1" = 20' VERTICAL
--	--

LEGEND

PROP. SAN. SWR. LINE	
EXISTING SAN. SWR. LINE	
EXISTING WATER LINE	
EXISTING OVERHEAD ELEC. LINE & PP	
EXISTING GAS LINE	
EXISTING PROPERTY LINE	
EXISTING GAS VALVE	
EXISTING WATER VALVE	
EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING SAN. SWR. MANHOLE	

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
 SHEET
8-INCH SANITARY SEWER PLAN & PROFILE STA. 4+50-STA. END

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C26
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

COORDINATE NOTE:

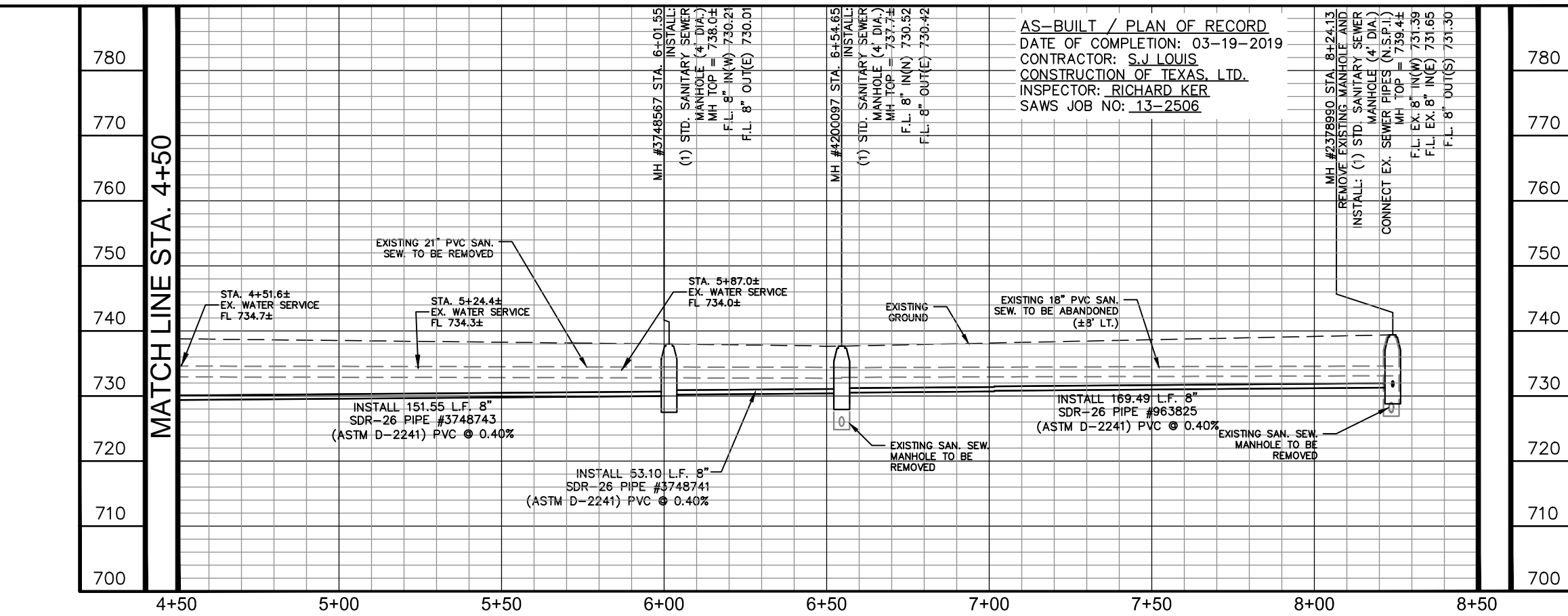
COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM ESTABLISHED FOR THE TEXAS SOUTH CENTRAL ZONE 4204, NORTH AMERICAN DATUM (NAD) OF 1983, GRID.

AT&T:

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REVISED TO REFLECT CONSTRUCTION RECORDS

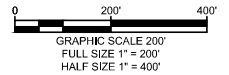
THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY KENDALL NESMITH, P.E. NO. 121627



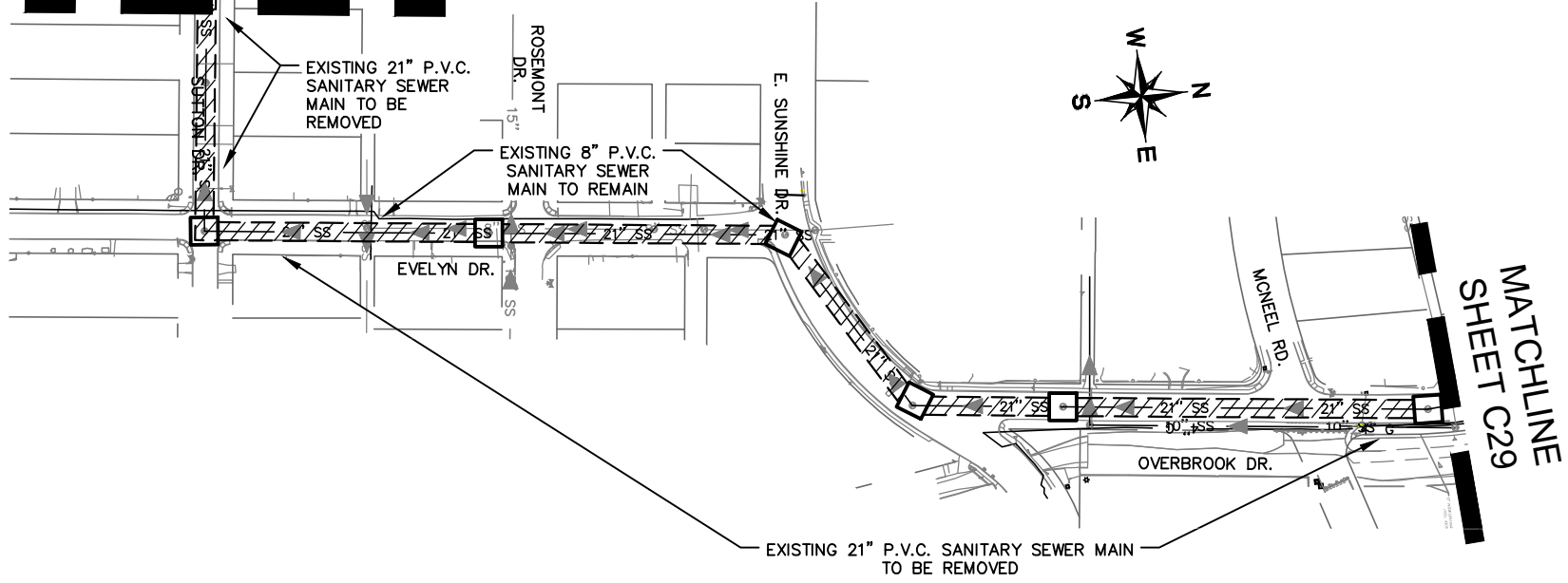
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 DATE: 3/19/2019 3:38 PM

MATCHLINE SHEET C28

AS-BUILT / PLAN OF RECORD
 DATE OF COMPLETION: 03-19-2019
 CONTRACTOR: S.J LOUIS
 CONSTRUCTION OF TEXAS, LTD.
 INSPECTOR: RICHARD KER
 SAWS JOB NO: 13-2506

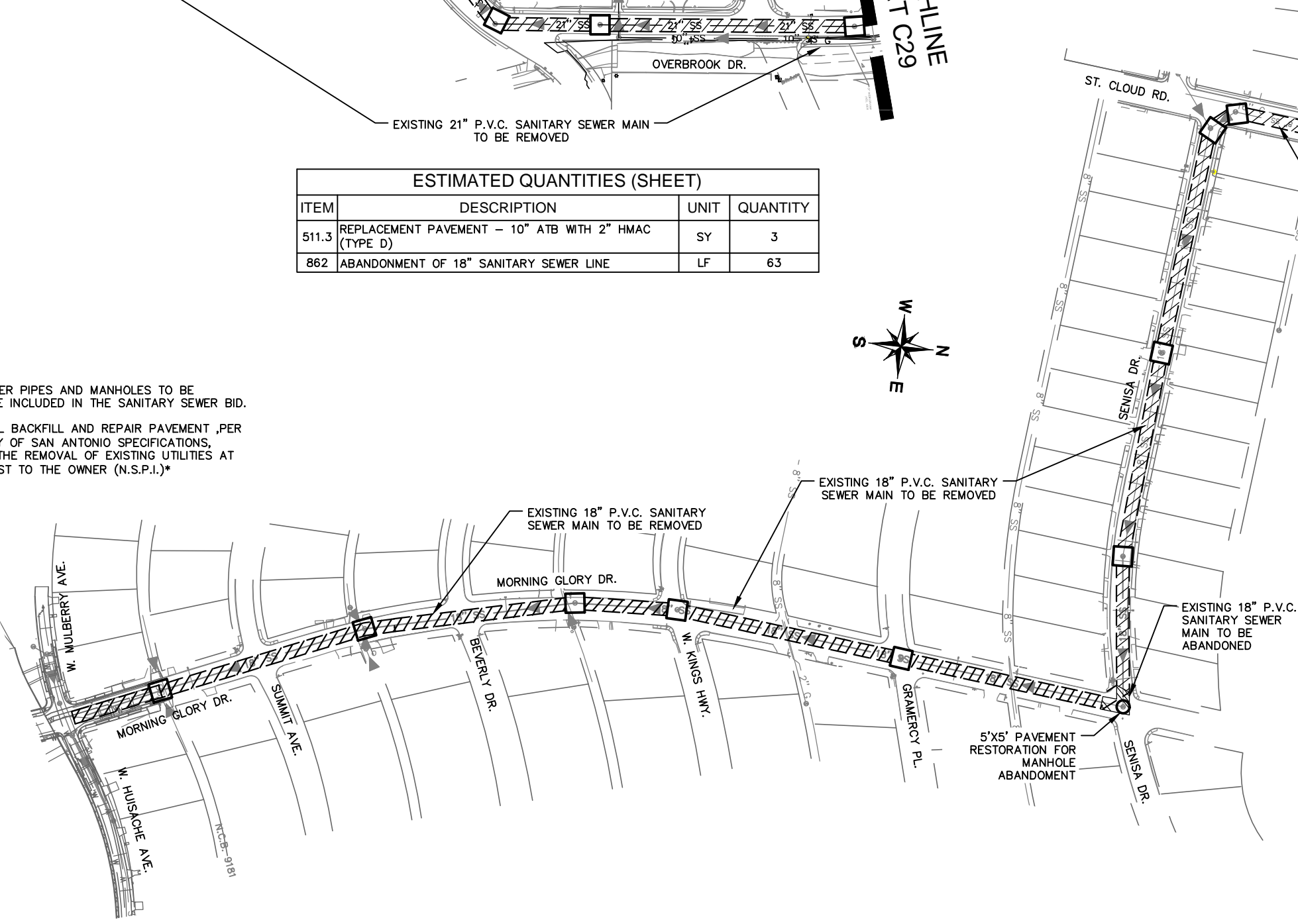
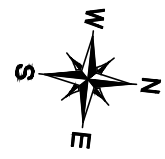


REVISED TO REFLECT CONSTRUCTION RECORDS
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ESTIMATED QUANTITIES (SHEET)			
ITEM	DESCRIPTION	UNIT	QUANTITY
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	3
862	ABANDONMENT OF 18" SANITARY SEWER LINE	LF	63

- NOTE:**
- ALL SANITARY SEWER PIPES AND MANHOLES TO BE REMOVED SHALL BE INCLUDED IN THE SANITARY SEWER BID.
 - CONTRACTOR SHALL BACKFILL AND REPAIR PAVEMENT PER SAWS AND/OR CITY OF SAN ANTONIO SPECIFICATIONS, ASSOCIATED WITH THE REMOVAL OF EXISTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER (N.S.P.I.)*



* NO SEPARATE PAY ITEM (N.S.P.I.)

LEGEND

EXISTING SAN. SWR.	
EXISTING WATER	
PROPERTY LINE	
MANHOLE TO BE ABANDONED	
MANHOLE TO BE REMOVED	
LINE TO BE ABANDONED	
LINE TO BE REMOVED	

RECORD DRAWING
 THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT, OR CONSTRUCTION.

Kimley»Horn
 Texas Registered Firm, No. 928
 601 NW Loop 410 Suite 350 San Antonio, TX 78216
 Tel No. 210-541-9166 Fax No. 210-541-8699

BY:
 DATE: 03-19-2019

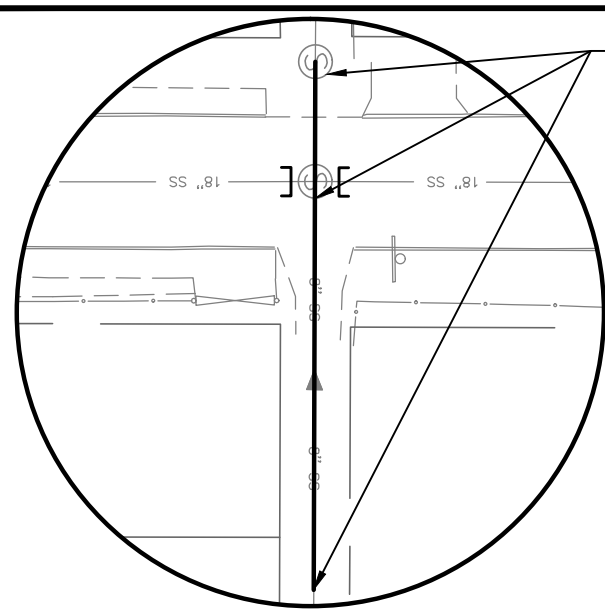
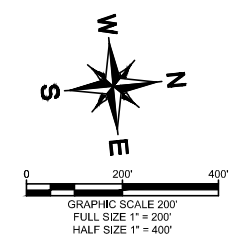
No.	Revision	By	Date

SAN ANTONIO WATER SYSTEM

C-12 DONALDSON TERRACE PROJECT
 SHEET
REMOVAL AND ABANDONMENT PLAN (SHEET 1 OF 3)

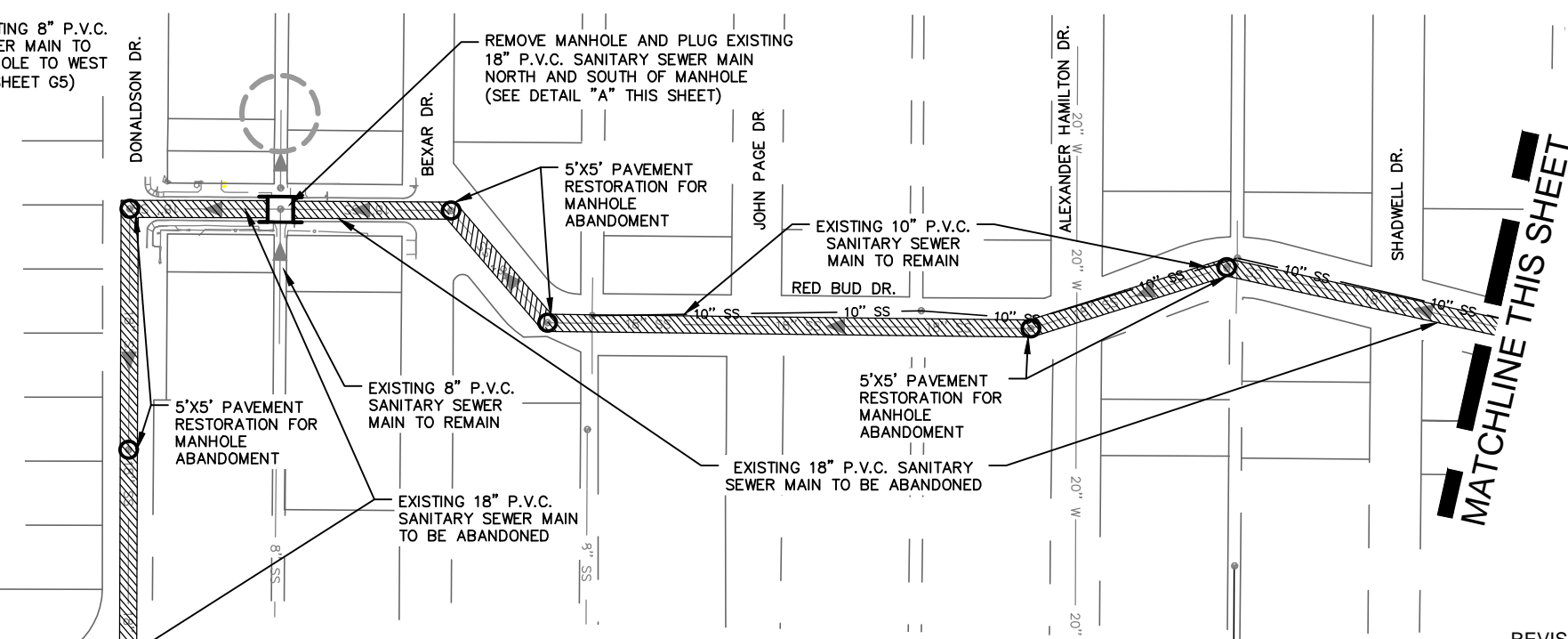
DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C27
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

PLOTTED BY: RIVERA, DANIELA 3/19/2019 3:38 PM
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 03/19/2019 3:38 PM



REMOVE MANHOLE AND PLUG EXISTING 18" P.V.C. SANITARY SEWER MAIN NORTH AND SOUTH OF MANHOLE
CONNECT EXISTING 8" P.V.C. SANITARY SEWER MAIN TO EXISTING MANHOLE TO WEST (SEE DETAIL, SHEET G5)

DETAIL "A"



MATCHLINE THIS SHEET

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 03-19-2019
CONTRACTOR: S.J LOUIS
CONSTRUCTION OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

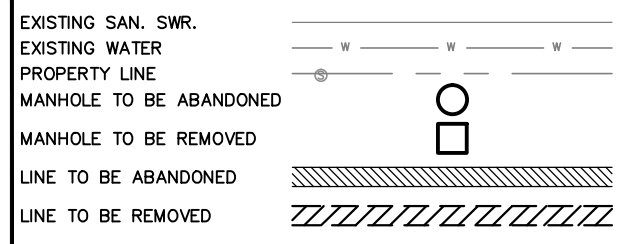
ESTIMATED QUANTITIES (SHEET)			
ITEM	DESCRIPTION	UNIT	QUANTITY
511.3	REPLACEMENT PAVEMENT - 10" ATB WITH 2" HMAC (TYPE D)	SY	331
862	ABANDONMENT OF 18" SANITARY SEWER LINE	LF	4190

REVISED TO REFLECT CONSTRUCTION RECORDS
THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (TEXAS REGISTERED FIRM NO. F-928) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY KENDALL NESMITH, P.E. NO 121627

* NO SEPARATE PAY ITEM (N.S.P.I.)

- NOTE:
- ALL SANITARY SEWER PIPES AND MANHOLES TO BE REMOVED SHALL BE INCLUDED IN THE SANITARY SEWER BID.
 - CONTRACTOR SHALL BACKFILL AND REPAIR PAVEMENT PER SAWS AND/OR CITY OF SAN ANTONIO SPECIFICATIONS, ASSOCIATED WITH THE REMOVAL OF EXISTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER (N.S.P.I.)*

LEGEND



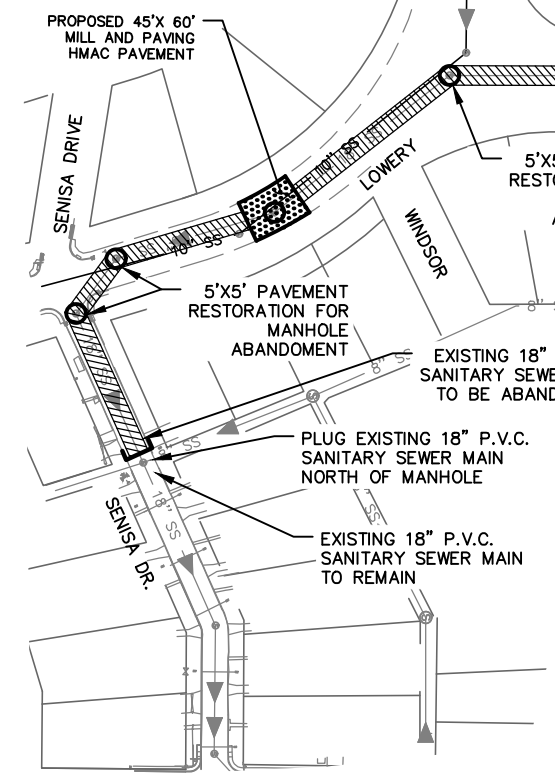
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BY: [Signature]
DATE: 03-19-2019

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601 NW Loop 410 Suite 350 San Antonio, TX 78216
Tel No. 210-541-9166 Fax No. 210-541-8699

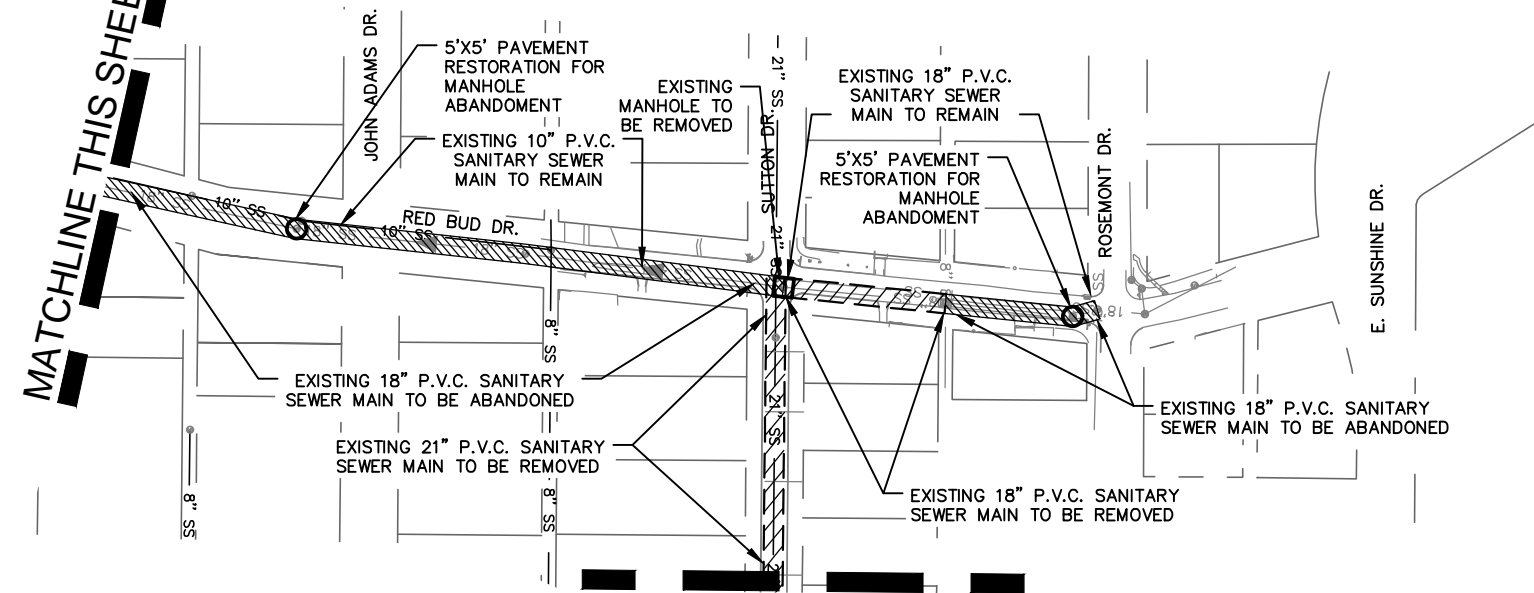
No.	Revision	By	Date

C-12 DONALDSON TERRACE PROJECT
SHEET
REMOVAL AND ABANDONMENT PLAN (SHEET 2 OF 3)

DATE: MARCH 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C28
DESIGN: JAF	KHA PROJECT NO. 068665011	
DRAWN: ABC		
CHECKED: VRS		

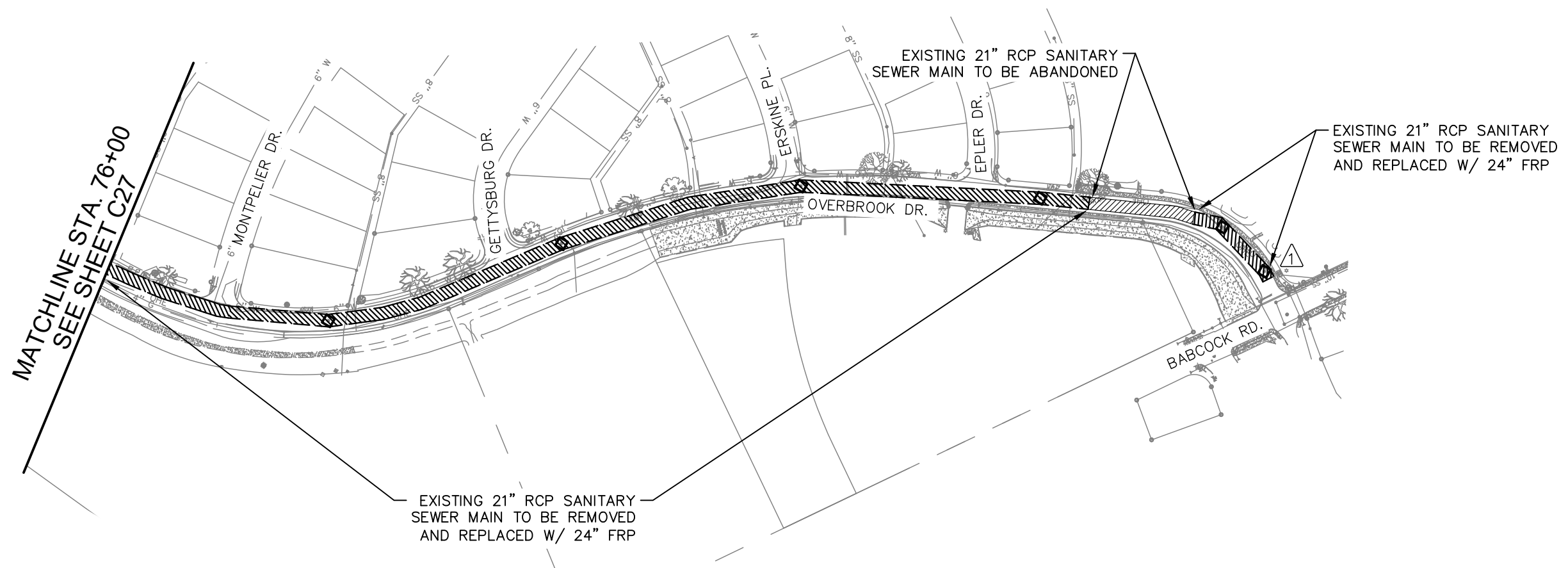
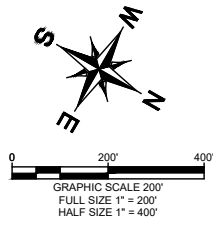


MATCHLINE THIS SHEET



MATCHLINE SHEET C27

PLOTTED BY: RIVERA, DANIELA 3/20/2019 1:48 PM
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DATE PLOTTED: 3/20/2019 1:48 PM



MATCHLINE STA. 76+00
SEE SHEET C27

EXISTING 21" RCP SANITARY
SEWER MAIN TO BE REMOVED
AND REPLACED W/ 24" FRP

EXISTING 21" RCP SANITARY
SEWER MAIN TO BE ABANDONED

EXISTING 21" RCP SANITARY
SEWER MAIN TO BE REMOVED
AND REPLACED W/ 24" FRP

- NOTES:
1. ALL SANITARY SEWER PIPES AND MANHOLES TO BE REMOVED SHALL BE INCLUDED IN THE SANITARY SEWER BID.
 2. CONTRACTOR SHALL BACKFILL AND REPAIR PAVEMENT, PER SAWS AND/OR CITY OF SAN ANTONIO SPECIFICATIONS, ASSOCIATED WITH THE REMOVAL OF EXISTING UTILITIES AT NO COST TO THE OWNER (N.S.P.I.)*

* NO SEPARATE PAY ITEM (N.S.P.I.)

AS-BUILT / PLAN OF RECORD
DATE OF COMPLETION: 01-25-2018
CONTRACTOR: S.J LOUIS CONSTRUCTION
OF TEXAS, LTD.
INSPECTOR: RICHARD KER
SAWS JOB NO: 13-2506

REVISED TO REFLECT CONSTRUCTION RECORDS
THIS RECORD DRAWING SET IS BASED UPON INFORMATION PROVIDED TO K FRIESE + ASSOCIATES (TEXAS REGISTERED FIRM NO. 6535) BY SAWS' PROJECT INSPECTOR AND THE CONTRACTOR. INFORMATION PROVIDED REFLECTS THE CHANGES DURING CONSTRUCTION TO THE PLAN SET USED FOR BIDDING ORIGINALLY SEALED BY DALE P. MURPHY, P.E. NO. 90614

ESTIMATED QUANTITIES (SHEET)			
ITEM	DESCRIPTION	UNIT	QUANTITY
862	ABANDONMENT OF 21" SANITARY SEWER LINE	LF	172

LEGEND

EXISTING SAN. SWR. _____

EXISTING WATER _____

PROPERTY LINE _____

MANHOLE TO BE ABANDONED

MANHOLE TO BE REMOVED

LINE TO BE ABANDONED

LINE TO BE REMOVED

RECORD DRAWING
THIS CONSTRUCTION DOCUMENT WAS PREPARED USING INFORMATION SUPPLIED BY THE CONTRACTOR TO REPRESENT CONSTRUCTION CHANGES. THIS DOCUMENT IS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT AND IS NOT INTENDED FOR BID, PERMIT OR CONSTRUCTION.
BY:
DATE: 01-10-2018

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No.	Revision	By	Date
1	EXTEND PROJECT LIMITS	DM	01/29/18



C-12 DONALDSON TERRACE PROJECT
SHEET
REMOVAL AND ABANDONMENT PLAN (SHEET 3 OF 3)

DATE: JANUARY 2019	SAWS PROJECT NO. 13-2506	SHEET NO. C29
DESIGN: DPM	KHA PROJECT NO. 068665011	
DRAWN: GTB		
CHECKED: _____		

PLOTTED BY: GREG BLACKBURN 1/23/19 12:59 PM
 X:\PROJECTS\1306 - SAWS\CADD\DWG\SHEETS\C-12 ABANDONMENT PLAN (SHEET 3 OF 3).DWG
 1/23/19 12:59 PM