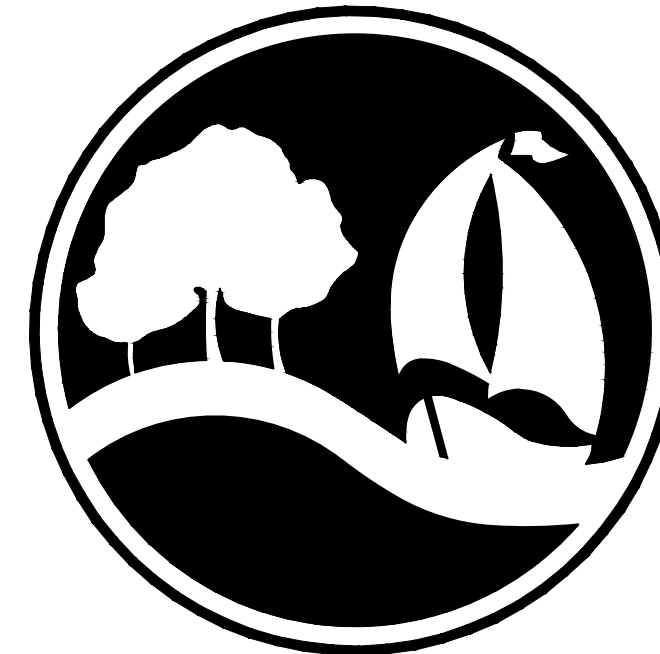


# Construction Plans for STONEBRIDGE LIFT STATION ELIMINATION

## For City of Rockwall, Texas



### CITY OF ROCKWALL

MAYOR - JIM PRUITT

### CITY COUNCIL

PLACE 1 - DAVID WHITE

PLACE 2 - JOHN HOHENSHELT

PLACE 3 - KEVIN FOWLER

PLACE 4 - DENNIS LEWIS

PLACE 5 - SCOTT MILDER

PLACE 6/MAYOR PRO-TEM - MIKE TOWNSEND

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Location Map

N.T.S.

CIP 2015-010

**JULY 2017**

#### RECORD DOCUMENTS

THESE PLANS ARE FOR THE OWNER'S USE AS RECORD SET OF THE CONSTRUCTED PROJECT, AND REFLECT REVISIONS AND CONSTRUCTION RELATED CHANGES AS RECORDED BY THE CONTRACTOR. CHANGES MADE FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DO NOT DEPICT ENGINEERING AND ARE NOT THE RESPONSIBILITY OF TEAGUE NALL & PERKINS, INC. OR THE ENGINEER OF RECORD ON THE ORIGINAL DOCUMENTS. ORIGINAL PLANS RELEASED FOR CONSTRUCTION WERE SEALED BY MICHAEL G. DEMOTTE, P.E. NO. 90122 ON 02/14/2017.



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# CONSTRUCTION NOTES

## GENERAL ITEMS

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS PROJECT SHALL BE APPROVED BY THE CITY OF ROCKWALL AND SHALL COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS, AND WITH THE FOLLOWING AS APPLICABLE.

- A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217.
- B. CURRENT CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION, INCLUDING ANY UPDATES.
- C. NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 4TH EDITION (OCT 2004), AS AMENDED BY THE CITY OF ROCKWALL SPECIAL PROVISIONS.

THE CONTRACTOR SHALL POSSESS ONE SET OF THE NCTCOG STANDARD SPECIFICATIONS AND DETAILS AND THE CITY OF ROCKWALL'S "STANDARDS OF DESIGN AND CONSTRUCTION" MANUAL ON THE PROJECT SITE AT ALL TIMES.

2. EXISTING UTILITY INFORMATION IS BASED UPON AVAILABLE EXISTING RECORD DRAWINGS AND FIELD DATA, FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND UTILITIES. THE COMPLETENESS AND/OR ACCURATENESS OF THE EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN IN THESE PLANS CANNOT BE GUARANTEED. THE CONTRACTOR SHALL AVOID DAMAGE TO ALL UNDERGROUND UTILITIES (SOME OF WHICH MAY NOT HAVE BEEN SHOWN IN THE DRAWINGS) AND SHALL RECORD LOCATIONS AND ELEVATIONS OF ALL SUCH UTILITIES UNCOVERED DURING EXCAVATION ON THE AS-BUILT DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL EXISTING UTILITIES TO VERIFY THE TYPE, ACTUAL LOCATION, DEPTH AND CONDITION PRIOR TO BEGINNING THE ACTUAL WORK. UTILITY LOCATIONS SHALL BE VERIFIED AT LEAST 100' (FT) IN ADVANCE OF TRENCHING, SO THAT CHANGES IN THE GRADE AND/OR ALIGNMENT MAY BE MADE IN CASES OF CONFLICT. THE CONTRACTOR SHALL NOTIFY EACH OF THE APPROPRIATE UTILITY COMPANIES, A MINIMUM OF TWO WORKING DAYS PRIOR TO CONSTRUCTION. FOLLOWING IS A PARTIAL LIST OF UTILITY COMPANIES THAT HAVE OR MAY HAVE UTILITIES IN THE PROJECT AREA:

- A. WATER AND WASTEWATER, CITY OF ROCKWALL, PHONE: 972-771-7730
- B. CITY OF ROCKWALL-CITY ENGINEER/PUBLIC WORKS DIRECTOR, PHONE: 972-771-7746 (TIM TUMULTY)
- C. CITY OF ROCKWALL-WATER FIELD SUPERVISOR, PHONE: 972-771-7730 (CURTIS MCADEN)
- D. CITY OF ROCKWALL-WASTEWATER FIELD SUPERVISOR, PHONE: 972-771-7730 (STEVE CLAWSON)
- E. CABLE TELEVISION: CHARTER, www.texas811.org
- F. TELEPHONE: AT&T, www.texas811.org
- G. ELECTRIC: ONCOR, www.texas811.org
- H. GAS: ONCOR, www.texas811.org
- I. FIBER OPTIC: www.texas811.org
- J. UTILITY LOCATES, www.texas811.org
- K. NORTH TEXAS MUNICIPAL WATER DISTRICT, PHONE: 972-442-5405

3. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY DOCUMENTATION AND PRIMARY CONTROL. ANY SUCH POINTS WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DOCUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE RE-ESTABLISHED AT CONTRACTOR'S EXPENSE BY A REGISTERED PROFESSIONAL LAND SURVEYOR.

4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PERFORMING ALL CONSTRUCTION LAYOUTS FROM THE SITE LAYOUT CONTROL POINTS, AND FROM THE DIMENSIONS AND CENTERLINES SHOWN. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

5. ANY CONSTRUCTION ITEM OR REQUIRED WORK SHOWN ON THESE PLANS FOR WHICH THERE IS NO SPECIFIC BID ITEM IN THE PROPOSAL SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER BID ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.

6. CONTRACTOR SHALL PREPARE PHOTOGRAPHS AND A VIDEO OF THE PROJECT SITE DOCUMENTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. VIDEO SHALL CLEARLY SHOW ALL PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT LIMITS INCLUDING, BUT NOT LIMITED TO, DRIVEWAYS, FENCES, STRUCTURES, LANDSCAPING, POOLS, ABOVE GROUND UTILITIES, RETAINING WALLS, ETC. NO SEPARATE PAYMENT SHALL BE MADE FOR PREPARATION OF PHOTOGRAPHS AND VIDEO.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A NEAT AND ACCURATE REDLINE RECORD OF CONSTRUCTION FOR THE CITY'S RECORDS. THE CONTRACTOR SHALL PROVIDE THE CITY FULL SIZE REPRODUCIBLE MARKUPS THAT RECORD ALL CONSTRUCTION DEVIATING FROM PLANS. THESE REDLINE CONSTRUCTION PLAN RECORDS SHALL BE SUBMITTED TO THE CITY AT THE END OF THE JOB AND SIGN BY THE CONTRACTOR. THESE RECORD MUST BE RECEIVED OR THE CITY WILL NOT RELEASE FINAL RETAINAGE OR ACCEPTANCE ON THE JOB.

8. THE CITY OF ROCKWALL WILL PROVIDE ONLY BASIC HORIZONTAL AND VERTICAL CONTROL. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE LINES AND GRADES OR OTHER CONSTRUCTION STAKING. NO SEPARATE PAY.

9. THE CONTRACTOR SHALL NOTIFY THE CHIEF OF POLICE, THE FIRE MARSHALL, AND LOCAL POST OFFICE IN WRITING AT LEAST FIVE WORKING DAYS PRIOR TO CLOSING AND OPENING OF A PORTION OF ALL OF STREETS FOR THE PROJECT. A COPY OF THE NOTIFICATION SHALL BE SUBMITTED TO CITY OF ROCKWALL.

10. ANY DISCREPANCIES OR CONFLICT WITHIN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. DISCREPANCIES OR CONFLICTS NOT BROUGHT TO ENGINEERS ATTENTION AND CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENGINEER'S INTERPRETATION. ALL ITEMS, WORK, AND IMPROVEMENTS SHOWN OR INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE COMPLETED FOR THE PRICES BID, WHETHER OR

NOT A SEPARATE PAY ITEM IN INCLUDED IN THE CONTRACT.

11. THESE PLANS, PREPARED BY TEAGUE NALL & PERKINS, INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVE IN THE PERFORMANCE OF THE WORK. THE SEAL OF TEAGUE NALL & PERKINS, INC. LICENSED PROFESSIONAL ENGINEER(S) HERON 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.

12. ALL EXISTING PAVEMENTS, STRUCTURES, UTILITIES, WALKS, ETC. WHICH ARE INTENDED TO REMAIN AND ARE DAMAGED BY THE CONTRACTOR SHALL BE FULLY RESTORED OR REPLACED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. ALL ITEMS SHALL BE RESTORED TO EXISTING OR BETTER CONDITION AS PER STANDARD DRAWINGS OR AS DIRECTED BY CITY OF ROCKWALL.

13. CONTRACTOR IS REQUIRED TO VERIFY THE PROJECT ELEVATIONS. "MATCH EXISTING SHALL BE UNDERSTOOD TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENTS."

## EROSION CONTROL & VEGETATION

1. THE CONTRACTOR OR DEVELOPER SHALL BE RESPONSIBLE, AS THE ENTITY EXERCISING OPERATIONAL CONTROL, FOR ALL PERMITTING AS REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). THIS INCLUDES, BUT IS NOT LIMITED TO, PREPARATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE CONSTRUCTION SITE NOTICE (CSN), THE NOTICE OF INTENT (NOI), THE NOTICE OF TERMINATION (NOT) AND ANY NOTICE OF CHANGE (NOC) AND IS REQUIRED TO PAY ALL ASSOCIATED FEES.

2. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES.

3. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT. EROSION CONTROL DEVICES SHALL BE PLACED AND IN WORKING ORDER PRIOR TO START OF CONSTRUCTION. CHANGES ARE TO BE REVIEWED BY THE DESIGN ENGINEER AND THE CITY OF ROCKWALL PRIOR TO IMPLEMENTATION.

4. IF THE EROSION CONTROL PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS APPROVED CANNOT APPROPRIATELY CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN AND/OR THE SWPPP IS REQUIRED TO BE REVISED AND ANY CHANGES REPORTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), WHEN APPLICABLE.

5. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND AFTER ALL MAJOR RAIN EVENTS, OR MORE FREQUENTLY AS DICTATED IN THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL PROVIDE COPIES OF INSPECTION'S REPORTS TO THE ENGINEERING INSPECTION AFTER EACH INSPECTION.

6. THE CONTRACTOR SHALL NOT DISPOSE OF WASTE OR ANY MATERIALS INTO STREAMS, WATERWAYS OR FLOODPLAINS. THE CONTRACTOR SHALL SECURE ALL EXCAVATION AT THE END OF EACH DAY AND DISPOSE OF ALL EXCESS MATERIALS. DISPOSAL SITE SHALL BE DOCUMENTED AND PROVIDED TO THE CITY.

7. CONTRACTOR SHALL GRADE GROUND AND DITCHES DISTURBED BY CONSTRUCTION TO PREVENT PONDING OF STORM WATER RUNOFF. GRADING SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR UNCLASSIFIED STREET AND UNCLASSIFIED CHANNEL EXCAVATION. TOPSOIL SHALL BE STOCKPILED AND REPLACED TO A MINIMUM DEPTH OF 6-INCHES AND DISC HARROWED TO A MINIMUM DEPTH OF 4-INCHES (NO PAY ITEM). CONTRACTOR SHALL REPLACE GRASS AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH SOLID SOD. SODDED AREAS SHALL BE WATERED AND MAINTAINED UNTIL ESTABLISHED.

8. THE CONTRACTOR SHALL PROVIDE 4 INCHES OF TOP SOIL IN ALL PARKWAYS THAT ARE TO BE SODDED. TOP SOIL SHALL BE APPROVED BY THE CITY IN WRITING. TOPSOIL SHALL BE SUBSIDIARY TO PLACEMENT OF GRASS/SOD.

9. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION TO EXISTING HOMEOWNER LAWNS, FENCES AND SHRUBBERY IRRIGATION SYSTEMS. ALL DAMAGED GRASS AREAS ARE TO BE REPLACED WITH SOD. (NO SEPARATE PAY). AREAS DISTURBED OUTSIDE THE R.O.W. OR LIMITS OF CONSTRUCTION SHALL HAVE GRASS SOD ESTABLISHED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

## FRANCHISE UTILITY NOTES

1. REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF ALL KNOWN UNDERGROUND FRANCHISE UTILITIES AND SERVICE LINES. HOWEVER, THE OWNER ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL EXISTING SUBSURFACE FRANCHISE UTILITIES OR UTILITY LINE, OR TO SHOW THEM IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, SERVICE LINES OR THE LIKE, WHICH ARE EXPOSED BY THE CONSTRUCTION OPERATION.

2. EXISTING FRANCHISE UTILITIES SHOWN IN THESE PLANS REFLECT APPROXIMATE LOCATIONS PRIOR TO RELOCATIONS. SOME RELOCATIONS HAVE OCCURRED WITH UTILITY POLE, GAS, PHONE AND CABLE UTILITIES. THE CONTRACTOR SHALL CONTACT DIG-TESS TO LOCATE EXISTING AND NEW UTILITIES NOT SHOWN IN THESE PLANS.

3. CONTRACTOR SHALL SUPPORT UTILITIES WHERE CROSSING WITH PROPOSED STORM SEWER, WATER LINES AND SANITARY SEWERS. METHOD OF SUPPORT SHALL BE PROVIDED TO THE OWNER 24 HOURS PRIOR TO CROSSING.

4. THE LOCATION OFF ALL ATMOS GAS LINES, AT&T, CHARTER AND TXU/ONCOR ELECTRIC UNDERGROUND PHONE LINES IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT ATMOS, TXU/ONCOR, AT&T AND CHARTER TO VERIFY LOCATION AND DEPTH OF ALL EXISTING GAS, ELECTRIC AND PHONE LINES PRIOR TO CONSTRUCTION.

5. CONTRACTOR SHALL HAVE AND PAY FOR TXU/ONCOR, AT&T AND/OR CHARTER SUPPORT AND PROTECT ALL POWER, GUY WIRES OR CABLE AND/OR LIGHT POLES IN THE WORK AREA. ANY DAMAGE INCURRED TO EXISTING FRANCHISE UTILITIES, APPURTENANCES, UTILITY POLES, LIGHT STANDARDS, ETC. BY CONSTRUCTION RELATED ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

## TRAFFIC CONTROL

1. PEDESTRIAN AND VEHICULAR TRAFFIC FLOW, SAFETY AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, PART IV IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE TRAFFIC CONTROL PLAN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON THE PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PUBLIC SAFETY IN THE CONSTRUCTION AREA DURING THE DURATION OF CONSTRUCTION ACTIVITIES.

2. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL NECESSARY TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (PART 6). THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES AT ALL TIMES DURING EACH PHASE OF CONSTRUCTION TO ALL LOCAL RESIDENTS, BUSINESSES, MAIL SERVICE, TRASH PICK-UP AND EMERGENCY SERVICES.

3. NO TRAFFIC SIGNS SHALL BE TAKEN DOWN WITHOUT PERMISSION FROM THE CITY. CONTRACTOR NEEDING TO MOVE AND REPLACE TRAFFIC SIGN FOR CONSTRUCTION PURPOSES SHOULD BE PAID FOR UNDER TRAFFIC CONTROL BID ITEM.

4. CONTRACTOR WILL FURNISH AND INSTALL ALL SIGNAGE IN ACCORDANCE WITH TMUTCD GUIDELINES. PRIOR TO INSTALLATION OF SIGNAGE, CONTRACTOR SHALL STAKE LOCATIONS AND RECEIVE APPROVAL FROM CITY ON LOCATIONS. ALL SIGNAGE THAT IS REMOVED BY THE CONTRACTOR SHALL BE SAVED AND DELIVERED TO MUNICIPAL SERVICE CENTER, STREETS DIVISION. ALL REPLACED SIGNS SHALL BE NEW. SEE CITY REQUIREMENTS FOR SIGN MATERIALS.

## MAILBOX, MAIL SERVICE AND TRASH SERVICE

1. EXISTING MAILBOXES IN CONFLICT WITH CONSTRUCTION SHALL BE TAKEN OUT OF SERVICE, REMOVED AND REPLACE TO THE SAME OR BETTER CONDITION AND PLACED IN A LOCATION APPROVED BY THE CITY/PROPERTY OWNER. PHOTOGRAPHS OF THE MAILBOX SHALL BE TAKEN WITH THE ADDRESS SHOWN, SHALL BE PROVIDED TO THE CITY PRIOR TO BEING REMOVED.

2. TEMPORARY MAILBOX SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE PROJECT WHERE EXISTING MAIL BOXES ARE BEING REMOVED. ADDRESSES SHALL BE PROVIDED ON ALL TEMPORARY MAIL BOXES.

3. PAYMENT FOR REMOVAL AND REPLACEMENT OF EXISTING MAILBOX WILL BE PAID FOR UNDER THE APPROPRIATE BID ITEM. BRICK MAILBOX SHALL MATCH EXISTING BRICK.

4. CONTRACTOR SHALL COORDINATE WITH LOCAL TRASH COLLECTION COMPANY TO MAINTAIN SERVICE TO ALL RESIDENT WITHIN THE PROJECT LIMITS. WHEN ACCESS TO PROPERTIES IS NOT AVAILABLE, CONTRACTOR SHALL ROLL CONTAINERS ACROSS THE CONSTRUCTION AREA, PICK UP AND RETURN TO THE RESIDENTS PROPERTY.

## FENCES, TREES, LANDSCAPING AND IRRIGATION

1. THE REMOVAL, REPLACEMENT OR RECONSTRUCTION OF ANY FENCE FOR THE CONVENIENCE OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE (NO SEPARATE PAY). NEW MATERIALS SHALL MATCH EXISTING FENCES. ALL WOOD FENCES SHALL BE REPLACED WITH NEW CEDAR WITH THE POST MATCHING CITY REQUIREMENTS.

2. TEMPORARY FENCING SHALL BE REQUIRED WHERE THERE IS EVIDENCE OF LIVESTOCK AND WHERE DAMAGED OR REMOVED FENCES ARE NOT TO BE REPLACED BY THE END OF THE SAME WORK DAY.

3. THE REMOVAL AND REPLACEMENT OF ALL SHRUBS, PLANTS, TREES, ETC. FOR THE CONVENIENCE OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE (NO SEPARATE PAY). NEW SHRUBS, TREE, ETC. SHALL BE EQUAL TO OR BETTER THAN EXISTING ONES OR MEET.

4. ALL SHRUBS, PLANTS, TREES, ETC. MUST BE APPROVED BY THE CITY BEFORE REMOVAL.

5. THE CONTRACTOR SHALL LOCATE AND RECORD EXISTING IRRIGATION SYSTEMS PRIOR TO CONSTRUCTION. IF IRRIGATIONS SYSTEMS ARE DAMAGED DURING CONSTRUCTION THE CONTRACTOR SHALL REPAIR TO SAME OR BETTER CONDITION. AN IRRIGATOR LICENSED IN THE STATE OF TEXAS SHALL REPAIR ALL DAMAGED CAUSED BY CONSTRUCTION. CONTRACTOR SHALL COORDINATE ANY IRRIGATION WORK WITH THE CITY OF ROCKWALL AND PROPERTY OWNER'S REPRESENTATIVES.

6. CONTRACTOR SHALL REPLACE ANY TREES REMOVED OR DESTROYED THAT ARE NOT SHOWN IN THESE PLANS TO BE REMOVED OR SHALL PAY FAIR MARKET VALUE TO THE OWNER AS DETERMINED BY THE OWNER. (NO SEPARATE PAY).

## DRAINAGE/ STORM SEWER

1. THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PONDING OF WATER IN STREETS, DRIVES, TRENCHES, ETC. WILL NOT BE ALLOWED. EXISTING DRAINAGE WAYS SHALL NOT BE BLOCKED OR REMOVED UNLESS EXPLICITLY STATED IN THE PLANS OR WRITTEN APPROVAL IS GIVEN BY THE CITY.

## UTILITY

1. BIDDERS SHALL MAKE ANY INVESTIGATION OF EXISTING SUBSURFACE CONDITIONS AS DEEMED NECESSARY AT NO EXPENSE TO THE CITY OF ROCKWALL. NEITHER THE CITY OF ROCKWALL NOR THE ENGINEER WILL BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION FOR EXCAVATION WORK PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S ASSUMPTIONS.

2. CONTRACTOR SHALL ADJUST ALL CITY OF ROCKWALL UTILITIES TO THE FINAL GRADES.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICE LINES CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE SERVICE LINE WITH SAME TYPE OF ORIGINAL CONSTRUCTION OR BETTER.

4. THE CONTRACTOR SHALL EXCAVATE AND FIELD LOCATE THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITY CROSSING LOCATIONS UTILIZING PROVIDED PROJECT CONTROL. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES IDENTIFIED BETWEEN THE CONTRACTORS FIELD VERIFIED EXISTING UTILITY LOCATION AND PROPOSED LOCATION OF UTILITIES FOR THE PROJECT.

5. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEMS THAT COMPLY WITH APPLICABLE LAWS GOVERNING EXCAVATION. THESE PLANS SHALL BE SEALED BY AN ENGINEER EXPERIENCED IN THE DESIGN OF TRENCH SAFETY SYSTEMS, REGISTERED IN THE STATE OF TEXAS. THE CONTRACTOR SHALL SUBMIT COMPLETED TRENCH SAFETY PLAN TO THE ENGINEER AND CITY PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF WORK RELATED TO EXCAVATIONS.

5. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ROCKWALL WATER AND WASTEWATER DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO CUTTING OF CONNECTING TO EXISTING UTILITY LINES.

6. THE CONTRACTOR MAY NOT ADJUST ANY LINE, GRADE OR LOCATION OF ANY PROPOSED STORM DRAIN OF WASTEWATER MAIN IN THE FIELD WITHOUT THE EXPRESS WRITTEN PERMISSION OF CITY OF ROCKWALL, EVEN IF NO CONFLICT IS APPARENT.

7. THE CONTRACTOR SHALL ENSURE THAT FIRE HYDRANTS REMAIN ACCESSIBLE TO FIRE TRUCKS AT ALL TIMES.

8. THE CONTRACTOR SHALL PROTECT ALL PUBLIC UTILITIES DURING CONSTRUCTION OPERATIONS TO ENSURE THAT THERE IS NO INTERRUPTION IN SERVICE. TEMPORARY RE-ROUTES OF SERVICE MAY BE REQUIRED.

## DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION

1. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING CONCRETE AND HMAC PAVEMENT OUTSIDE OF THE CITY LIMITS AS REQUIRED FOR CONSTRUCTION OF THE PROJECT. ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEM IN THE BID SCHEDULE. PAYMENTS FOR REMOVAL AND REPLACEMENT OF STREET, DRIVEWAY AND SIDEWALK PAVEMENT SHALL BE BASED ON PLAN QUANTITY AND NO ADJUSTMENTS WILL BE MADE UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.

2. ALL PAVEMENTS TO BE REMOVED AND REPLACED SHALL BE SAW CUT TO FULL DEPTH ALONG NEAT LINES SHOWN IN THE PLANS. PROPOSED CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH LONGITUDINAL BUTT CONSTRUCTION JOINTS AT ALL CONNECTIONS TO EXISTING CONCRETE PAVEMENT.

3. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS WORK SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDE DIRT, TRASH, ROCK MEASURING GREATER THAN 6" IN THE LARGEST DIMENSION, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY OF ROCKWALL IF WITHIN THE CITY LIMITS. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAYS WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY OF ROCKWALL. IF THE CONTRACTOR PLACES EXCESS MATERIALS IN THESE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST.

4. ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED. IF SOIL BORINGS WERE CONDUCTED THEY ARE PROVIDED IN THE BID/CONTRACT DOCUMENTS.

no.	revision	by	date



scale when bar is 1 inch long
horiz N/A
vert N/A
JULY 2017

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**RECORD DOCUMENTS**  
THESE PLANS ARE FOR THE OWNER'S USE AS RECORD SET OF THE CONSTRUCTED PROJECT, AND REFLECT REVISIONS AND CONSTRUCTION RELATED CHANGES AS RECORDED BY THE CONTRACTOR. CHANGES MADE FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DO NOT DEPICT ENGINEERING AND ARE NOT THE RESPONSIBILITY OF TEAGUE NALL & PERKINS, INC. OR THE ENGINEER OF RECORD ON THE ORIGINAL DOCUMENTS. ORIGINAL PLANS RELEASED FOR CONSTRUCTION WERE SEALED BY MICHAEL G. DEMOTTE, P.E. NO. 90122 ON 07/11/2017.

**CITY OF ROCKWALL, TEXAS**  
**STONEBRIDGE LIFT STATION ELIMINATION**  
**CONSTRUCTION NOTES - 1 OF 2**

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# CONSTRUCTION NOTES

## PAVING

1. ALL PAVING ROADWAY SECTIONS THICKNESS, STRENGTH, REINFORCEMENT, JOINT TYPE, JOINT SPACING AND SUBGRADE TREATMENT SHALL MATCH THE TYPICAL SECTIONS AND DETAILS CALLED OUT IN THE PLANS. IF NOT CALLED OUT ON THE PLANS ALL CONCRETE PAVING SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF TABLE 2.3 IN THE STANDARDS OF DESIGN AND CONSTRUCTION.
2. REINFORCING STEEL SHALL BE TIED (100%). REINFORCING STEEL SHALL BE SET ON PLASTIC CHAIRS. BAR LAPS SHALL BE MINIMUM 30 DIAMETERS. SAWED TRANSVERSE DUMMY JOINTS SHALL BE SPACED EVERY 15 FEET OR 1.25 TIME LONGITUDINAL BUTT JOINT SPACING WHICHEVER IS LESS. SAWING SHALL OCCUR WITHIN 5 TO 12 HOURS AFTER THE POUR, INCLUDING SEALING. OTHERWISE, THE SECTION SHALL BE REMOVED AND LONGITUDINAL BUTT JOINT CONSTRUCTED.
3. NO SAND SHALL BE ALLOWED UNDER ANY PAVING.
4. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.
5. FLY ASH MAY BE USED IN CONCRETE PAVEMENT LOCATIONS PROVIDED THAT THE MAXIMUM CEMENT REDUCTION DOES NOT EXCEED 20% BY WEIGHT PER C.Y. OF CONCRETE. THE FLY ASH REPLACEMENT SHALL BE 1.25 LBS PER 1.0 LB CEMENT REDUCTION.
6. ALL CURB AND GUTTER SHALL BE INTEGRAL (MONOLITHIC) WITH THE PAVEMENT.
7. ALL FILL SHALL BE COMPACTED BY SHEEP'S FOOT ROLLER TO A MINIMUM 95% STANDARD PROCTOR. MAXIMUM LOOSE LIFT FOR COMPACTION SHALL BE 8 INCHES. ALL LIFTS SHALL BE TESTED FOR DENSITY BY AN INDEPENDENT LABORATORY APPROVED BY THE CITY.
8. ALL PROPOSED SIDEWALKS SHALL INCLUDE BARRIER FREE RAMPS AT INTERSECTING STREETS, ALLEYS, ETC. BARRIER FREE RAMPS SHALL MEET CURRENT CITY AND ADA REQUIREMENTS AND BE APPROVED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).
9. SIDEWALKS SHALL BE DOWELED INTO PAVEMENT WHERE IT ABUTS CURBS AND DRIVEWAYS. EXPANSION JOINT MATERIAL SHALL BE USED AT THESE LOCATIONS (NO PAY ITEM).
10. ALL CONNECTION OF PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT SHALL INCLUDE A LONGITUDINAL BUTT JOINT AS THE LOAD TRANSFER DEVICE. CONCRETE SAW CUTS FOR ALL DRIVEWAYS AND SIDEWALKS SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR DRIVEWAY AND SIDEWALK REPLACEMENT AND NO SEPARATE PAYMENT SHALL BE MADE. ALL LONGITUDINAL BUTT JOINTS SHALL BE CLEAN, STRAIGHT AND SMOOTH (NOT JAGGED IN APPEARANCE).
11. THERE SHALL BE NO SEPARATE PAYMENT FOR SUBGRADE PREPARATION UNDER DRIVEWAY AND SIDEWALK AREAS AND ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF THE BID SCHEDULE.
12. CRACKS FORMED IN CONCRETE PAVEMENT SHALL BE REPAIRED OR REMOVED BY THE CONTRACTOR AT THE CITY'S DISCRETION.
13. THE LOCATION OF DRIVEWAYS, STEPS, ETC., AS SHOWN ON THESE PLANS ARE APPROXIMATE. ACCURATE LOCATION SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION AFTER CONSULTATION WITH THE PROPERTY OWNER.
14. CONTRACTOR SHALL MATCH EXISTING PAVEMENT GRADES AND ELEVATIONS, INCLUDING CURB LINES, WITH PROPOSED PAVEMENT REPLACEMENT. HOWEVER, CONTRACTOR SHALL ENDEAVOR TO CORRECT ANY EXISTING LOW SPOT IN PAVEMENT OR CURB TO PREVENT PONDING.

## SANITARY SEWER

1. ALL ABANDONMENT IN PLACE OF UTILITY LINES AND APPURTENANCES SHALL BE AS PER STANDARD DRAWING AS DIRECTED BY CITY OF ROCKWALL. NO SEPARATE PAYMENT FOR THIS ITEM.
2. THE CONTRACTOR SHALL MAINTAIN EXISTING WASTEWATER SERVICE AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED WASTEWATER LINE EMBEDMENT SHALL BE NCTCOG CLASS 'B-2' AS AMENDED BY THE CITY OF ROCKWALL'S PUBLIC WORKS STANDARD DESIGN AND CONSTRUCTION MANUAL.
3. GREEN EMS PADS SHALL BE INSTALLED AT EVERY MANHOLE, CLEAN OUT AND SERVICE LATERAL ON PROPOSED WASTEWATER LINES.
4. ALL EXISTING WASTEWATER SERVICES SHALL BE TRANSFERRED FROM WASTEWATER LINES BEING ABANDONED TO PROPOSED WASTEWATER LINES. TRANSFERRING WASTEWATER SERVICES SHALL INCLUDE DOUBLE CLEAN OUTS AT THE PROPERTY LINES, CAPS, TEES, WYES, PLUGS AND CONNECTION. PAYMENT FOR TRANSFERRING WASTEWATER SERVICES SHALL BE PAID PER EACH, UNDER THE APPROPRIATE BID SCHEDULE ITEM.
5. CONTRACTOR SHALL CCTV ALL EXISTING WASTEWATER LINES THAT ARE TO BE ABANDONED TO ENSURE THAT ALL LATERALS ARE ACCOUNTED FOR AND TRANSFERRED TO PROPOSED WASTEWATER LINES. (NO SEPARATE PAY).
6. EXISTING MANHOLES AND CLEANOUTS NOT SPECIFICALLY CALLED TO BE RELOCATED SHALL BE ADJUSTED TO MATCH FINAL GRADES (NO PAY ITEM).
7. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO OVERFLOWS OR SPILLAGE OF SEWAGE OCCURS. SHOULD THIS OCCUR, THE CONTRACTOR SHALL:
  - A. IDENTIFY THE SOURCE OF THE SPILL AND ATTEMPT TO ELIMINATE ANY ADDITIONAL SPILLAGE. NOTIFY THE CITY OF ROCKWALL AT 972-771-7730
  - B. CONTAIN THE SPILL IN PLACE AND PREVENT CONTAMINATION OF THE STREAMS.
  - C. CLEAN UP THE SPILL AND DISPOSE OF CONTAMINATED MATERIALS.
  - D. DISINFECT THE AREA OF THE SPILL WITH A MIXTURE OF HTH CHLORINE AND WATER.
  - E. IDENTIFY AND TRAIN PERSONNEL RESPONSIBLE FOR SPILLAGE PREVENTION AND CONTROL.

NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO THE GUIDELINES SET BY THE TCEQ AND THE CITY OF ROCKWALL.
3. WHERE NEW SEWER LINES CROSS WATERLINES AND ARE INSTALLED WITH A SEPARATE DISTANCE OF LESS THAN NINE FEET (I.E., WATER LINES CROSSING WASTEWATER LINES, WATER LINES PARALLELING WASTEWATER LINES, OR WATER LINES NEXT TO MANHOLES) THE INSTALLATION MUST MEET THE REQUIREMENTS OF 30 TAC 217.53 (D) (PIPE DESIGN) AND 290.44 (E) (WATER DISTRIBUTION)
4. THE CONTRACTOR SHALL PERFORM FLOW MANAGEMENT AND BYPASS PUMPING IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THESE PLANS AND SPECIFICATIONS.
5. THE LOCATIONS AND DEPTH 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 IS SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO THE CITY OF ROCKWALL.
6. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE CITY OF ROCKWALL WASTEWATER DEPARTMENT 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 THE CITY OF ROCKWALL AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
7. CONTRACTOR TO INSTALL GREEN EMS DISK ON THE SANITARY SEWER LINE & AT EVERY MANHOLE, CLEANOUT, AND SERVICE CONNECTION TO MAIN LINE.
8. ALL MANHOLES ARE TO BE LINED WITH RAVEN 405 OR APPROVED EQUAL. RAVEN APPLICATOR MUST BE LINCENSED/CERTIFIED BY RAVEN. COST OF RAVEN 405 SHALL BE SUBSIDIARY TO THE MANHOLE PAY ITEM.

## NTMWD CONNECTION PROCEDURE

1. THE PROCEDURE FOR THE PROPOSED 12-INCH CONNECTION TO NTMWD'S 18-INCH SANITARY SEWER IS AS FOLLOWS:
  - A. THE CITY OF ROCKWALL SHALL SUBMIT A WRITTEN REQUEST FOR APPROVAL OF THE LOCATION OF THE PROPOSED SEWER CONNECTION. THE NTMWD WILL APPROVE THE PROPOSED LOCATION OF THE CONNECTION BY LETTER.
  - B. THE SEWER LINES AND MANHOLES SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS PRIOR TO CONNECTION TO THE NTMWD LINE.
  - C. THE CITY OF ROCKWALL SHALL PROVIDE A LETTER INDICATING THAT THE SEWER LINES AND MANHOLES ARE COMPLETE AND TESTED. NTMWD WILL AUTHORIZE, IN WRITING, THE CONNECTION TO THE MANHOLE ON THE NTMWD SANITARY SEWER LINE. A CITY OF ROCKWALL AND NTMWD REPRESENTATIVE MUST BE PRESENT DURING THE CONNECTION TO THE NTMWD LINE.
  - D. THE CONTRACTOR SHALL CONTACT THE NTMWD A MINIMUM OF TWO WEEKS IN ADVANCE OF DESIRED TIE-IN DATE, IN ORDER TO COMPLETE THE REQUIRED NTMWD "SHUT-DOWN" FORM. THE "SHUT-DOWN" FORM, ALONG WITH THE LETTER FROM THE CITY OF ROCKWALL NOTED IN ITEM C, WILL BE SUBMITTED TO THE NTMWD EXECUTIVE DIRECTOR FOR APPROVAL OF THE ACTUAL TIE-IN DATE. DATES FOR TIE-INS ARE LIMITED TO TUESDAY, WEDNESDAY, AND THURSDAY OF EACH WEEK.
2. PRIOR TO PERFORMING ANY WORK INSIDE THE MANHOLES OVER THE EXISTING NTMWD PIPELINE, THE CONTRACTOR WILL BE REQUIRED TO EXECUTE A "CONTRACTOR'S AGREEMENT TO MODIFY NTMWD FACILITIES" FORM. THE FORM WILL NEED TO BE FILLED IN AND SIGNED BY THE CONTRACTOR AND RETURNED TO THIS OFFICE PRIOR TO CONSTRUCTION. THE NTMWD FIELD INSPECTOR WILL COMPLETE EXECUTION OF THE FORM AT THE TIME OF SCHEDULED WORK.
3. EXCAVATION ADJACENT TO NTMWD PIPELINE AND APPURTENANCES TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE PERFORMED SO THAT THE PIPELINE OR APPURTENANCES ARE NOT DISPLACED OR DAMAGED. ANY DAMAGE TO THE PIPELINE OR APPURTENANCES SHALL BE REPAIRED TO THE SATISFACTION OF THE NTMWD. FURTHER, ANY COST FOR REPAIR OF DAMAGE TO THE PIPELINE OR APPURTENANCES RESULTING FROM CONSTRUCTION BY THE CONTRACTOR WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE EXISTING NTMWD MANHOLES ARE TYPE S. THE EXISTING FRAMES AND LIDS ARE BOLT DOWN.
5. THE PROPOSED MANHOLE SHALL BE A PRESSURE-TYPE FLAT-TOP MANHOLE WITH BOLTED DOWN FRAME AND 30-INCH LID.
6. CONTRACTOR SHALL PROVIDE BY-PASS PUMPING PLAN AND BY-PASS PUMPING IF NECESSARY DUE TO FLOWS IN THE EXISTING NTMWD LINE. CONTRACTOR SHALL OBTAIN APPROVAL OF ENGINEER PRIOR TO MAKING TIE-IN, AND SHALL BYPASS PUMP IF SO DIRECTED BY ENGINEER OR NTMWD REPRESENTATIVE.

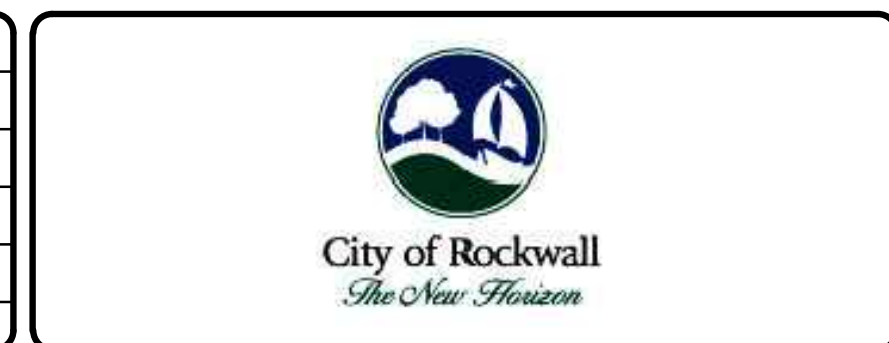
## SEQUENCE OF CONSTRUCTION

THE FOLLOWING SEQUENCE IS NOT INTENDED TO DIRECT OR CONTROL THE CONTRACTOR'S MEANS OR METHODS, BUT IS FOR THE INTENT OF PROVIDING FOR A WORKABLE SEQUENCE OF CONSTRUCTION WHICH MAINTAINS SANITARY SEWER SERVICE TO CUSTOMERS AND MEETS CITY AND NTMWD REQUIREMENTS. THE SEQUENCE DESCRIBED BELOW IS GENERAL IN NATURE, AND NOT INTENDED TO INCLUDE DETAILS OR ALL WORK NECESSARY TO COMPLETE THE PROJECT. CONTRACTOR SHALL INCORPORATE ANY REQUIRED ITEMS NOT SPECIFICALLY DESCRIBED BELOW INTO THE CONTRACTOR'S SEQUENCE OF CONSTRUCTION. CONTRACTOR SHALL REVIEW GENERAL SEQUENCE OF CONSTRUCTION, AND SUBMIT REQUEST FOR ANY DEVIATION PRIOR TO COMMENCING WORK.

1. LOCATE UTILITIES AS NECESSARY.
2. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SANITARY SEWER AND LATERAL/SERVICES, STORM SEWER, POTABLE WATER, AND OTHER FACILITIES.
3. MAINTAIN SERVICE TO EXISTING HOMES AT ALL TIMES DURING CONSTRUCTION, EXCEPT AS NECESSARY TO MOVE SERVICES OVER TO PROPOSED MAIN FROM EXISTING MAIN.
4. PROVIDE TRAFFIC CONTROL PLAN SIGN AND SEALED BY ENGINEER IN STATE OF TEXAS (TO BE SUBMITTED TO CITY FOR APPROVAL BEFORE WORK CAN BEGIN).
5. PROVIDE EROSION CONTROL AS REQUIRED.
6. INSTALL CAST-IN-PLACE SANITARY SEWER MANHOLE AT TIE-IN POINT TO EXISTING NTMWD SANITARY SEWER LINE (REFERENCE NTMWD CONNECTION PROCEDURE NOTES). DO NOT MAKE CONNECTION TO EXISTING NTMWD LINE AT THIS POINT (CAST NEW MANHOLE AROUND EXISTING LINE, AND LEAVE EXISTING LINE UNDISTURBED AND IN SERVICE WITHOUT CUTTING OUT TOP OF LINE). SEE DETAIL FOR CONNECTION TO NTMWD LINE ON SHEET 10.
7. INSTALL PROPOSED SANITARY SEWER MANHOLES AND PROPOSED 12-INCH SANITARY SEWER LINE "A" TO PROPOSED GRADES, PARALLEL TO EXISTING LINES, IN ACCORDANCE WITH CITY STANDARDS AND DETAILS. INSTALL NEW 4-INCH SANITARY SEWER SERVICE TO AND CLEANOUT OUT AT VACANT LOT ON STONEBRIDGE DRIVE (BLOCK A, LOT 11).
8. INSTALL CAST-IN-PLACE SANITARY SEWER MANHOLE AT TIE-IN POINT TO EXISTING ROCKWALL SANITARY SEWER LINE AT STATION 3+39.25. DO NOT MAKE CONNECTION TO EXISTING ROCKWALL LINE AT THIS POINT. PROVIDE BYPASS PUMPING AS NECESSARY TO MAINTAIN SERVICE TO EXISTING 6-INCH LINE FROM EAST.
9. INSTALL CAST-IN-PLACE SANITARY SEWER MANHOLE AT TIE-IN POINT TO EXISTING ROCKWALL SANITARY SEWER LINE. DO NOT MAKE CONNECTION TO EXISTING ROCKWALL LINE AT THIS POINT (CAST NEW MANHOLE AROUND EXISTING LINE, AND LEAVE EXISTING LINE UNDISTURBED AND IN SERVICE WITHOUT CUTTING OUT TOP OF LINE).
10. INSTALL PROPOSED 8-INCH SANITARY SEWER LINE "A-1" AND CONNECT TO PROPOSED 12-INCH SANITARY SEWER LINE "A" BUT DO NOT GROUT IN BOTTOM OF EXISTING UPSTREAM MANHOLE AT THIS TIME.
11. INSTALL PROPOSED 8-INCH SANITARY SEWER LINE "B" AND CONNECT TO PROPOSED 12-INCH SANITARY SEWER LINE "A".
12. PERFORM TESTING ON ALL PROPOSED SANITARY SEWER LINES AND MANHOLES IN ACCORDANCE WITH CITY AND NTMWD REQUIREMENTS.
13. UPON SATISFACTORY COMPLETION OF TESTING, OBTAIN APPROVAL FROM NTMWD TO MAKE CONNECTION TO EXISTING NTMWD LINE, INCLUDING OBTAINING APPROVAL OF CONTRACTOR'S AGREEMENT TO MODIFY NTMWD FACILITIES (REFERENCE NTMWD CONNECTION PROCEDURE NOTES).
14. UPON APPROVAL OF NTMWD AND CITY, AND HAVING PROVIDED APPROPRIATE NOTICE TO ALL PARTIES, MAKE CONNECTION TO EXISTING NTMWD LINE. CONNECTION SHALL BE MADE DURING PERIOD OF LOW FLOW SUCH THAT WATER SURFACE IN NTMWD LINE IS BELOW FLOWLINE ELEVATION OF 12-INCH SANITARY SEWER LINE "A". IF FLOW IS NOT LOW ENOUGH TO ALLOW FOR THIS CONDITION, PROVIDE BYPASS PUMPING DURING CONNECTION. SEE DETAIL FOR CONNECTION TO NTMWD LINE ON SHEET 10.
15. WORKING DOWNSTREAM TO UPSTREAM, INSTALL NEW SERVICES/MOVE SERVICES OVER FROM OLD SANITARY SEWER LINES TO NEW SANITARY SEWER LINES "A" AND "B".
16. GROUT IN BOTTOM OF MANHOLE AT UPSTREAM END OF SANITARY SEWER LINE "A-1".
17. UPON ENSURING THAT ALL SERVICES HAVE BEEN MOVED OVER TO NEW LINES, AND UPON APPROVAL BY ENGINEER AND CITY, DECOMMISSION AND DEMOLISH EXISTING SANITARY SEWER LIFT STATION AND ABANDON EXISTING SANITARY SEWER MANHOLES AND LINES AS DIRECTED IN PLANS.
18. COMPLETE PAVEMENT REPLACEMENT AS DIRECTED IN PLANS.
19. RETURN TRAFFIC FLOW TO NORMAL PATTERNS.
20. RESTORE AFFECTED AREAS, INCLUDING REVEGETATION, AS REQUIRED.

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 User: CONSTRUCTION NOTES 2  
 Paths: X:\22434-TBKC-DALLAS.dwg

no.	revision	by	date



scale when bar is 1 inch long
horiz N/A
vert N/A
JULY 2017



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**CITY OF ROCKWALL, TEXAS**  
**STONEBRIDGE LIFT STATION ELIMINATION**  
**CONSTRUCTION NOTES - 2 OF 2**

fnp project  
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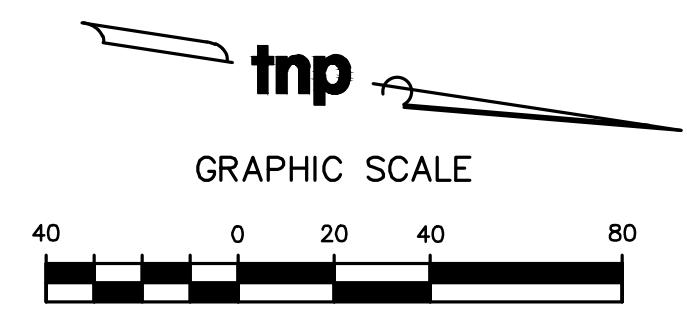
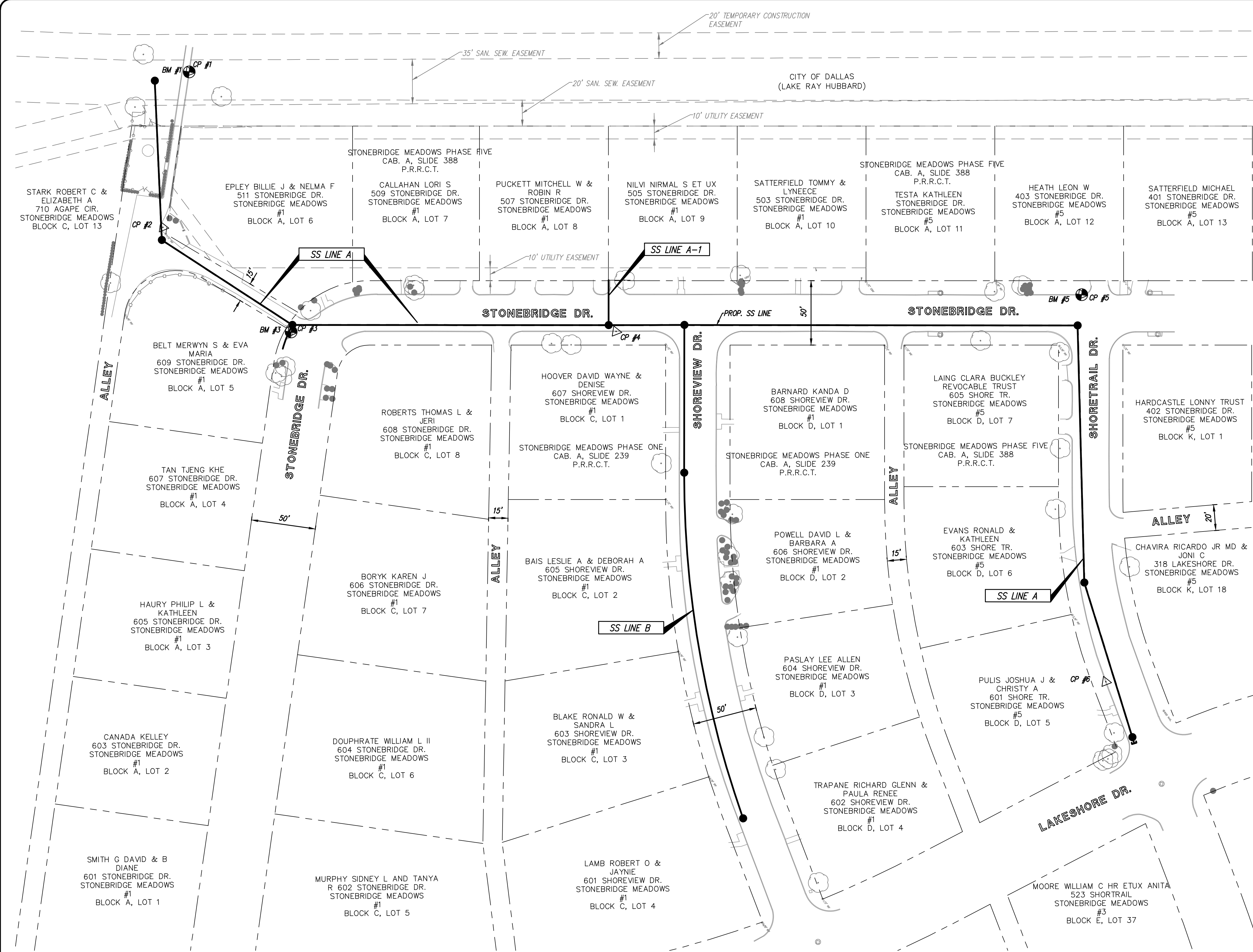
**DATUM BASE NOTE:**  
 BEARINGS OF LINES SHOWN HEREON REFER TO GRID NORTH OF THE TEXAS COORDINATE SYSTEM OF 1983 (NORTH CENTRAL ZONE; NAD83 (2011) EPOCH 2010) AS DERIVED LOCALLY FROM WESTERN DATA SYSTEMS CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) VIA REAL TIME KINEMATIC (RTK) METHODS. AN AVERAGE COMBINATION FACTOR OF 1.00014644732 WAS USED TO SCALE GRID COORDINATES AND DISTANCES TO SURFACE. ALL COORDINATES SHOWN ARE SURFACE. THE ELEVATIONS SHOWN ARE NAVD88 AND WERE DERIVED FROM THE ABOVE RTK OBSERVATIONS. ORTHOMETRIC HEIGHTS WERE CALCULATED BY APPLYING THE GEOID12A MODEL TO THE ELLIPSOID HEIGHTS. THE CITY OF ROCKWALL'S GEODETIC CONTROL POINT 'R003' (ELEVATION = 529.226') WAS HELD FIXED.

**PROJECT BENCHMARKS**

- BM #1**  
 X CUT ON THE NORTH CURB OF A CONC FLUME THAT IS BEHIND THE HOUSE AT 511 STONEBRIDGE DR. IT IS LOCATED 44'± WEST OF THE SOUTH FENCE CORNER.  
 ELEV. 440.05
- BM #3**  
 X CUT ON TOP OF EAST DRIVEWAY CURB FROM BACK OF HIUSE AT 609 STONEBRIDGE DR.  
 ELEV. 446.35
- BM #5**  
 X CUT ON TOP OF WEST CURB AT 403 STONEBRIDGE DR. NEAR THE INTERSECTION OF SHORETRAIL DR. IT IS ALSO LOCATED 35.3' NW OF A SSMH.  
 ELEV. 441.76

**CONTROL POINT TABLE**

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #1	7025731.7270	2591515.8360	440.05	X CUT
CP #2	7025729.5940	2591638.2130	443.91	5/8 CIRS
CP #3	7025840.1810	2591703.7690	446.35	X CUT
CP #4	7026089.4910	2591665.5990	444.54	X CUT
CP #5	7026442.6210	2591583.2410	441.76	X CUT
CP #6	7026506.1360	2591877.6980	451.34	X CUT



Drawing: C:\Projects\RM15253\001\SheetA.dwg - PROJECT LAYOUT & CONTROL.dwg at Jan 17, 2019 - 9:39am by erjes  
 Layout: Layout1 - Area: 14-22-24-1-BLK-DALLAS.dwg - X-BASE.dwg - Z-SS.dwg

no.	revision	by	date



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 JULY 2017

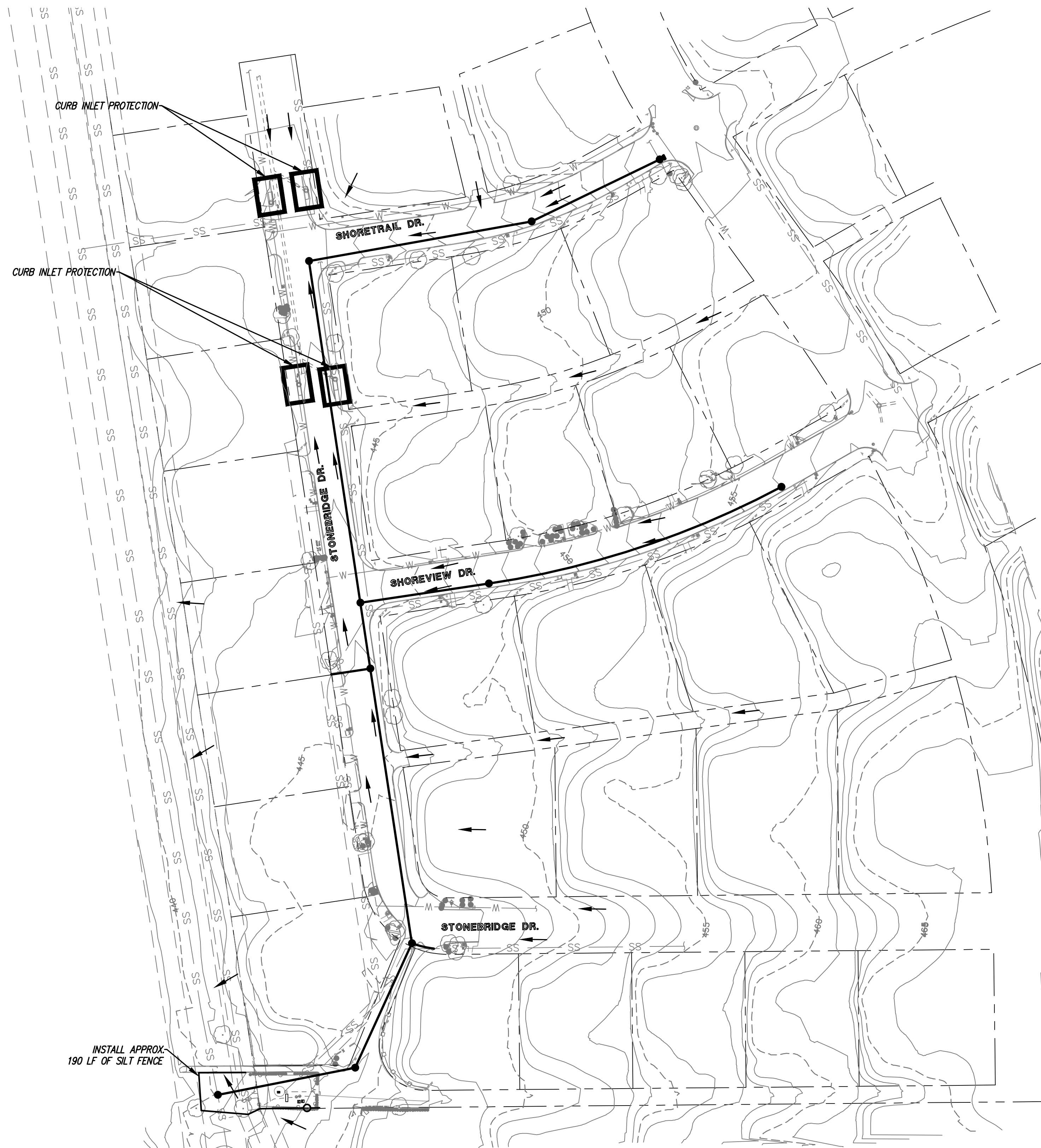
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CITY OF ROCKWALL, TEXAS  
**STONEBRIDGE LIFT STATION ELIMINATION**  
 PROJECT LAYOUT & CONTROL

tnp project RWL15253  
 sheet 04 of 13

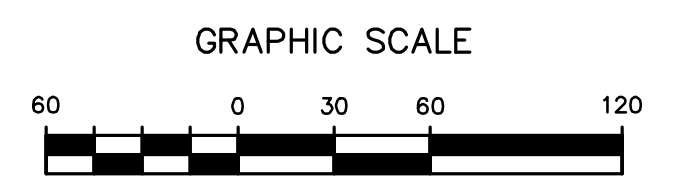




**EROSION CONTROL NOTES**

1. EROSION CONTROL DEVICES SHALL BE REPLACED AS NECESSARY TO MAINTAIN INTEGRITY. DEVICES WHICH CANNOT PASS WATER DUE TO SEDIMENTATION SHALL BE REPLACED. DEVICES DETERIORATED SO THAT THEY CANNOT HOLD ORIGINAL FORM DUE TO THE ELEMENTS SHALL BE REPLACED.
2. STABILIZED CONSTRUCTION EXITS SHALL BE USED BY ALL PROJECT VEHICLES LEAVING THE CONSTRUCTION AREA. WHEEL WASHING EQUIPMENT SHALL BE USED TO REMOVE EARTHEN MATERIALS FROM WHEELS AND VEHICLES.
3. CONTRACTOR SHALL REMOVE SEDIMENT DEPOSITS WHICH AFFECT THE FUNCTION OF EROSION CONTROL DEVICES AND, WHICH MAY ENTER UNDERGROUND DRAINAGE SYSTEMS.
4. CONTRACTOR SHALL ENSURE THAT NO STORM WATER RUNOFF ENTERS DRAINAGE SYSTEMS OR EXITS THE CONSTRUCTION AREA WITHOUT PASSING THROUGH EROSION CONTROL DEVICES.
5. CONTRACTOR SHALL PROVIDE STREET CLEANING ON ADJACENT STREETS AS NECESSARY TO REMOVE EARTHEN MATERIALS TRANSPORTED FROM THE CONSTRUCTION AREA.
6. NO OIL OR HAZARDOUS MATERIALS SHALL BE STORED IN THE CONSTRUCTION AREA.
7. THESE PLANS ARE FOR EROSION AND SEDIMENTATION CONTROL PURPOSES ONLY AND SHALL NOT BE USED FOR ANY OTHER DESIGN OR CONSTRUCTION RELATED PURPOSE.
8. ALL EROSION CONTROL MEASURES UTILIZED SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ROCKWALL EROSION AND SEDIMENT CONTROL MANUAL.
9. EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE INSTALLED AND MAINTAINED AS DIRECTED BY STAFF FROM THE CITY OF ROCKWALL.
10. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF ROCKWALL ENGINEERING DIVISION.
11. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION, ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE BY THE CONTRACTOR.
12. OFF-SITE SOIL BORROW AND SPOIL AREAS ARE CONSIDERED AS PART OF THE PROJECT SITE, AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMPs TO CONTROL OFFSITE SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT.
13. IF OFF-SITE SOIL BORROW OR SPOIL SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOIL AREAS ARE CONSIDERED A PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH THE CITY OF ROCKWALL EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
14. CONTRACTOR SHALL HAVE A COPY OF CITY OF ROCKWALL EROSION AND SEDIMENT CONTROL MANUAL ON SITE AT ALL TIMES.
15. EXISTING CURB INLETS WITH TOPS SHALL NOT BE BLOCKED BY EROSION CONTROL DEVICES UNLESS DIRECTED BY THE CITY OF ROCKWALL CONSTRUCTION INSPECTOR.
16. THE SEDIMENTATION CONTROL AT CONSTRUCTION LOW POINTS DETAIL SHALL BE USED AT ALL AREAS WHERE STORM WATER LEAVES THE AREA OF CONSTRUCTION AND FLOWS ACROSS STREET PAVING.
17. DISTURBED AREA FROM ACCESS SHALL BE RESTORED BY SOD. ANY FENCES REMOVED SHALL BE IN-PLACE AFTER COMPLETION OF CONSTRUCTION.

LEGEND	
	EXISTING INLET
	EXISTING STORM DRAIN
	DRAINAGE FLOW DIRECTION
	CURB INLET PROTECTION
	CONSTRUCTION ENTRANCE/EXIT
	SILT FENCE



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 Layout: 04-EROSION CONTROL PLAN, Xrefs: X-22034-TBL-DALLAS.dwg, X-BASE.dwg, Z-SS.dwg

no.	revision	by	date



scale  
 when bar is  
 1 inch long  
 horiz  
**1"=60'**  
 vert  
 N/A  
**JULY 2017**



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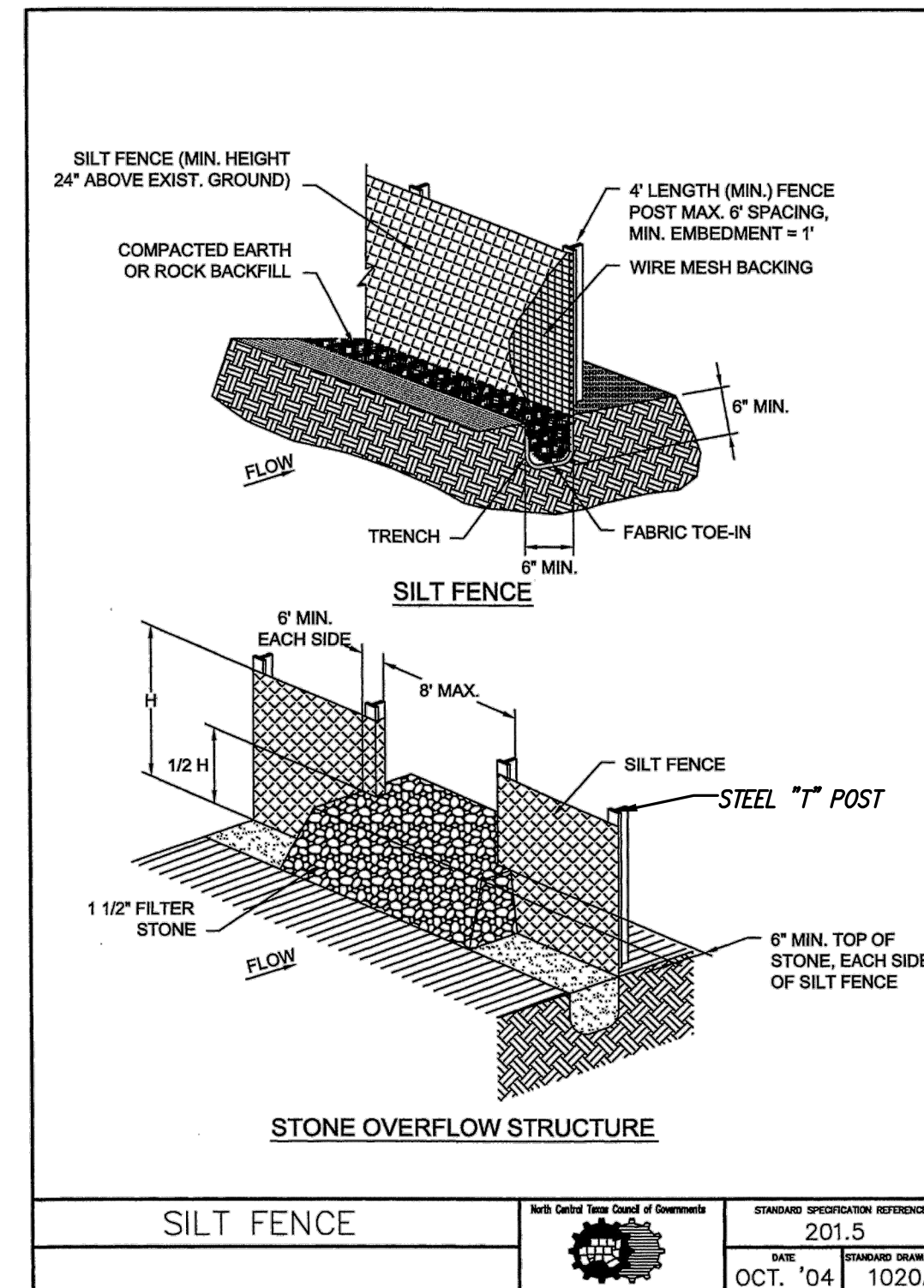
CITY OF ROCKWALL, TEXAS  
**STONEBRIDGE LIFT STATION ELIMINATION**  
**EROSION CONTROL PLAN**

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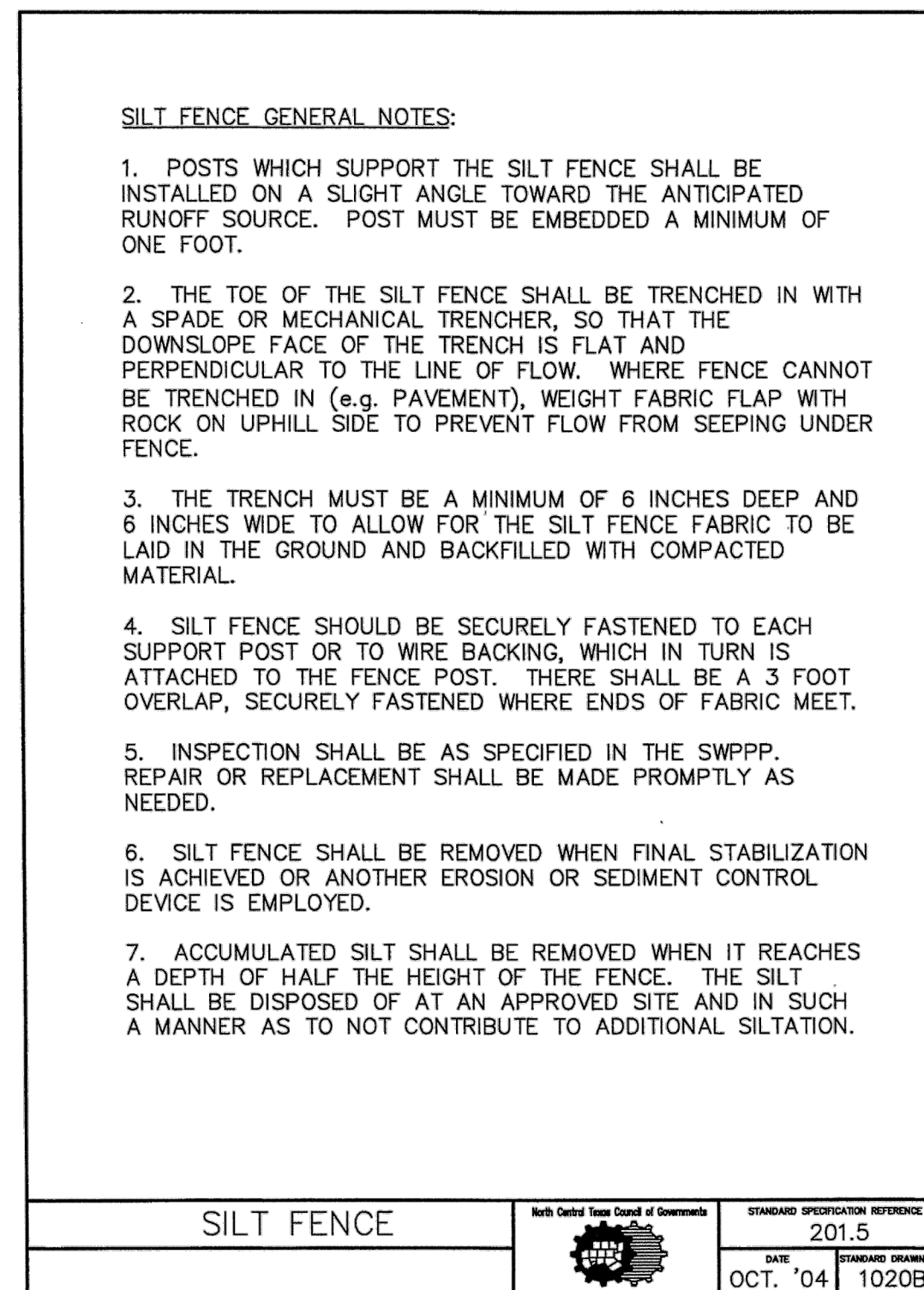


## POLLUTION CONTROL NOTES

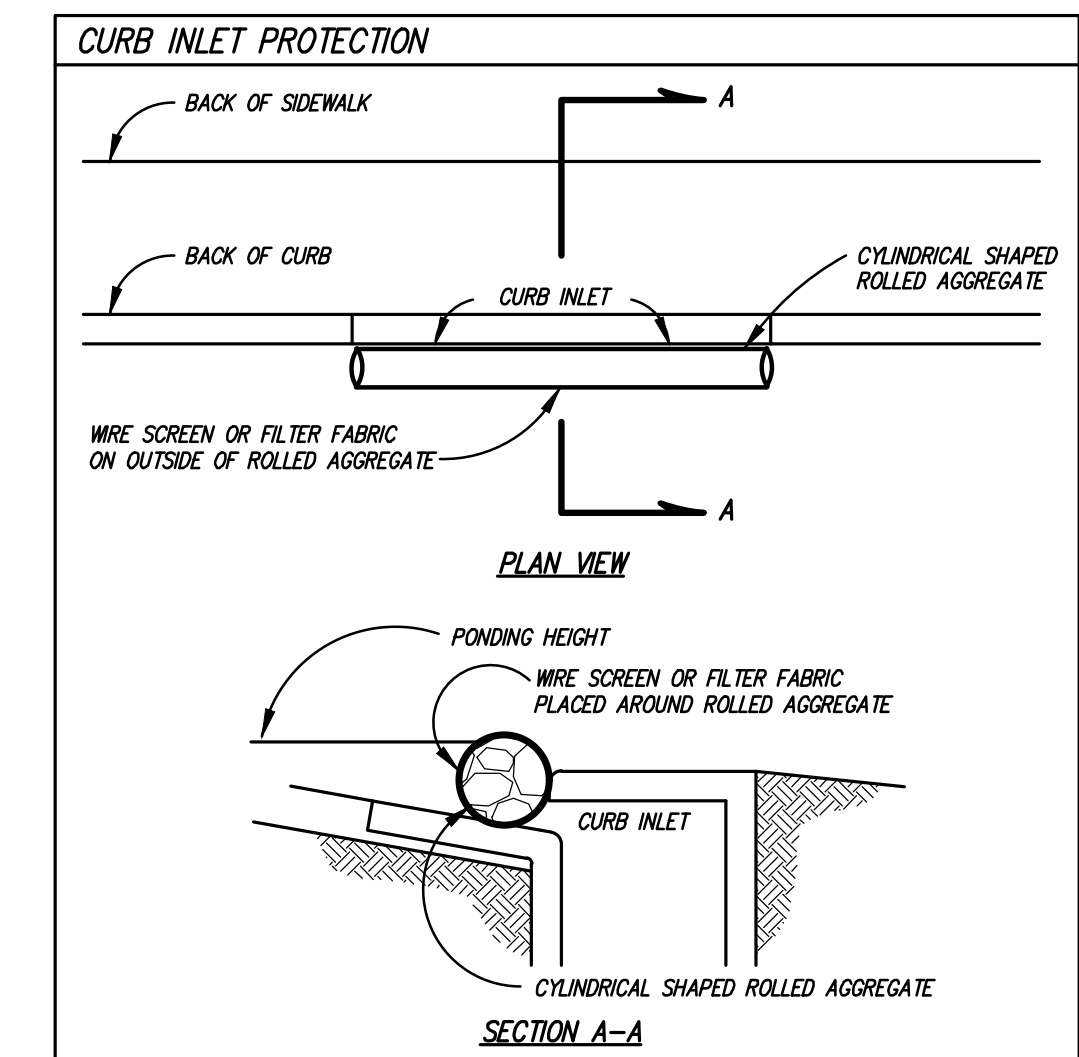
1. ALL CONTRACTORS WILL COMPLY WITH THE REQUIREMENTS AND INTENT OF THE N.P.D.E.S. GENERAL PERMIT FOR STORM WATER DISCHARGES.
2. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT TRACKING OF MUD AND/OR SOILS ONTO EXISTING AND/OR NEW PAVEMENT. ANY TRACKING THAT OCCURS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
3. CONTRACTOR SHALL CONSTRUCT INLET PROTECTION FOR ALL CURB INLETS AND SHALL TAKE EVERY MEASURE TO KEEP SOILS AND SEDIMENTS FROM ENTERING THE STORM SEWER.
4. DAMAGE TO ADJACENT PROPERTY AND/OR TO RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY SILTATION CAUSED BY HIS OPERATIONS AND/OR FAILURE OF THE EROSION CONTROL DEVICES.
6. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND SEDIMENT FROM THE EROSION CONTROL MEASURES WHEN IT REACHES A DEPTH OF FOUR (4) INCHES OR IMPAIRS THE EFFECTIVENESS OF THE MEASURES.
7. THE CONTRACTOR SHALL INSPECT THE PROJECT EVERY SEVEN DAYS, AT A MINIMUM, AND AFTER EVERY RAINFALL IF ONE-HALF INCHES OR GREATER TO DETERMINE THE INTEGRITY AND EFFECTIVENESS OF THE EROSION CONTROL MEASURES. A WRITTEN INSPECTION REPORT WILL BE FILED WITH THE SWPPP. THIS INSPECTION DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR INSPECTION AND MAINTENANCE OF THE EROSION CONTROL MEASURES OR HIS DUTY TO COMPLY WITH THE INTENT AND CONDITIONS OF THE N.P.D.E.S. GENERAL PERMIT.
8. ALL STOCKPILED SOILS WILL BE SURROUNDED BY A SILT FENCE, SEDIMENT CONTROL SWALE, OR EQUIVALENT MEASURE TO PROPERLY CONTROL SEDIMENT RUNOFF, AS APPROVED BY THE CITY.
9. CONTRACTOR SHALL STABILIZE ANY AREA WHERE CONSTRUCTION ACTIVITY IS TO BE TEMPORARILY OR PERMANENTLY CEASED FOR MORE THAN 14 DAYS.
10. SOD RIGHT OF WAY WITH EXISTING GRASS TYPE.



SILT FENCE	Both Codes from Code of Ordinances	STANDARD SPECIFICATION REFERENCE
		201.5
	DATE	STANDARD DRAWING NO.
	OCT. '04	1020A

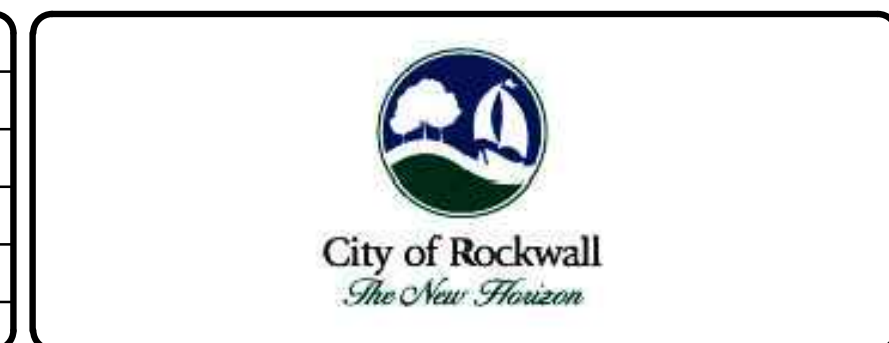


SILT FENCE	Both Codes from Code of Ordinances	STANDARD SPECIFICATION REFERENCE
		201.5
	DATE	STANDARD DRAWING NO.
	OCT. '04	1020B



Drawing: C:\Projects\RM15253\001\Sheets\05 EROSION CONTROL DETAILS.dwg at Jan 17, 2019 - 9:39am by e Reyes  
Layout: 05 EROSION CONTROL DETAILS - 1x22x34 - TBLK-DALLAS.dwg

no.	revision	by	date



scale when bar is 1 inch long
horiz N/A
vert N/A
JULY 2017



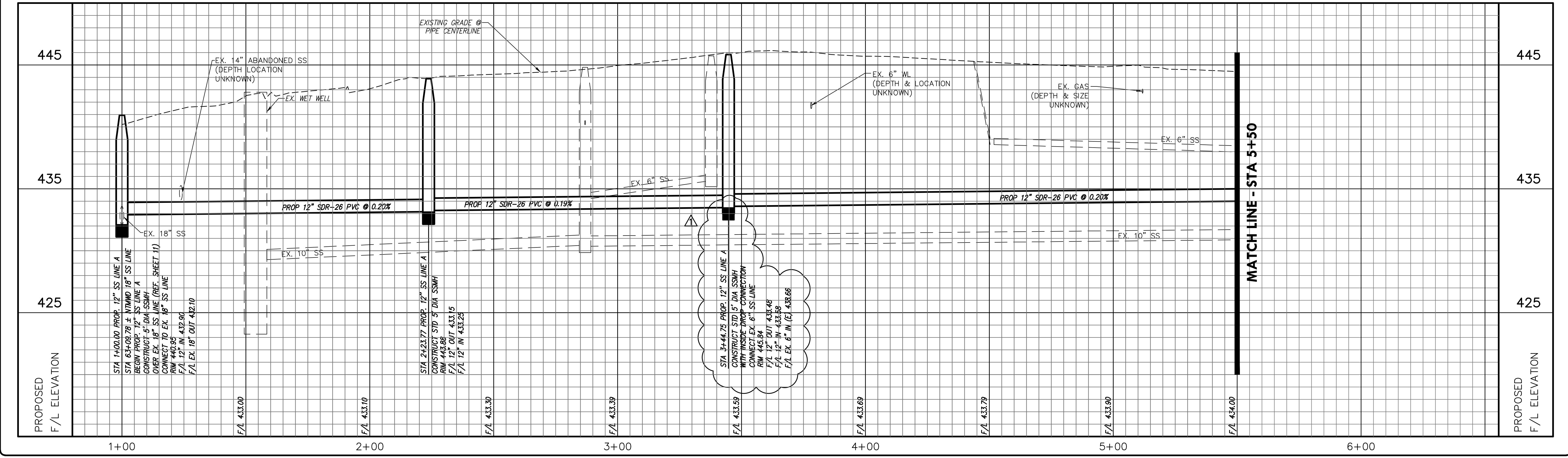
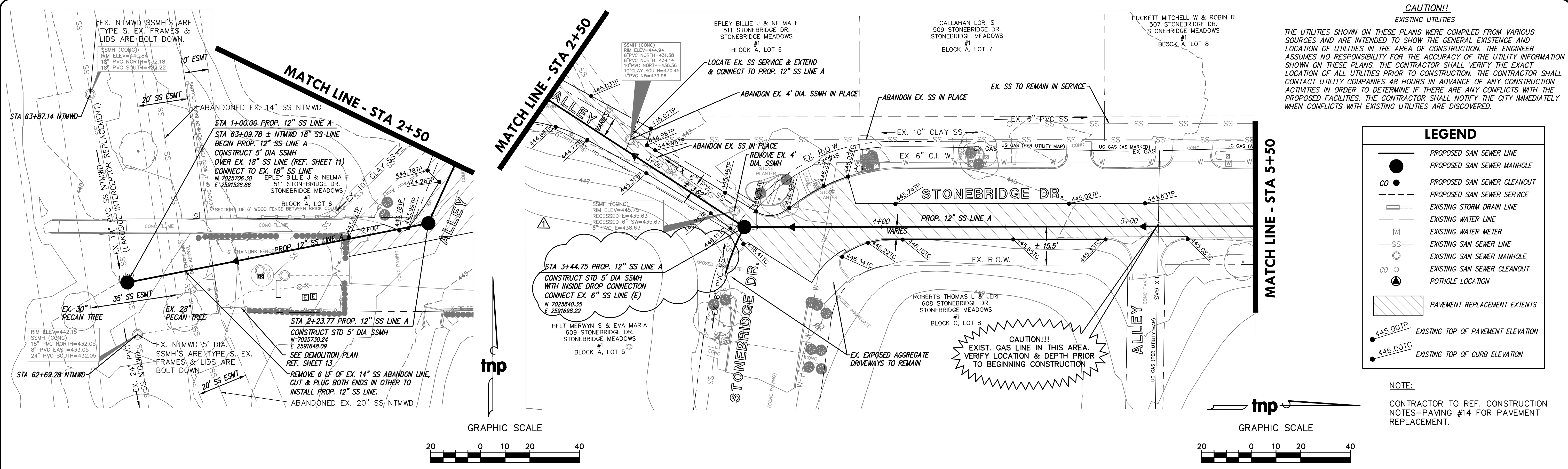
**teague nall & perkins**  
17304 Preston Road, Suite 1340  
Dallas, Texas 75252  
214.461.9867 ph 214.461.9864 fx  
TBPE Registration No. F-230  
www.tnppinc.com

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**CITY OF ROCKWALL, TEXAS**  
**STONEBRIDGE LIFT STATION ELIMINATION**  
**EROSION CONTROL NOTES & DETAILS**

fnpp project  
RWL15253  
sheet  
06  
of  
13





Drawing: C:\p\projects\171653\171653.dwg SANITARY SEWER PLAN & PROFILES.dwg at Jun 17, 2019 - 9:39am by erlyes  
 Layout: 06 - SANITARY SEWER LINE A - 22x34-TBL-DALLAS.dwg - 2 - SS.dwg - A-BASE.dwg

no.	revision	by	date
▲	UPDATED MH LOCATION PER AS BUILTS	EW	01/16/19

City of Rockwall  
The New Horizon

scale  
when bar is  
1 inch long

horiz  
1"=20'

vert  
1"=4'

JULY 2017

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CITY OF ROCKWALL, TEXAS

**STONEBRIDGE LIFT STATION ELIMINATION**

**SANITARY SEWER LINE A - BEGIN TO STA 5+50**

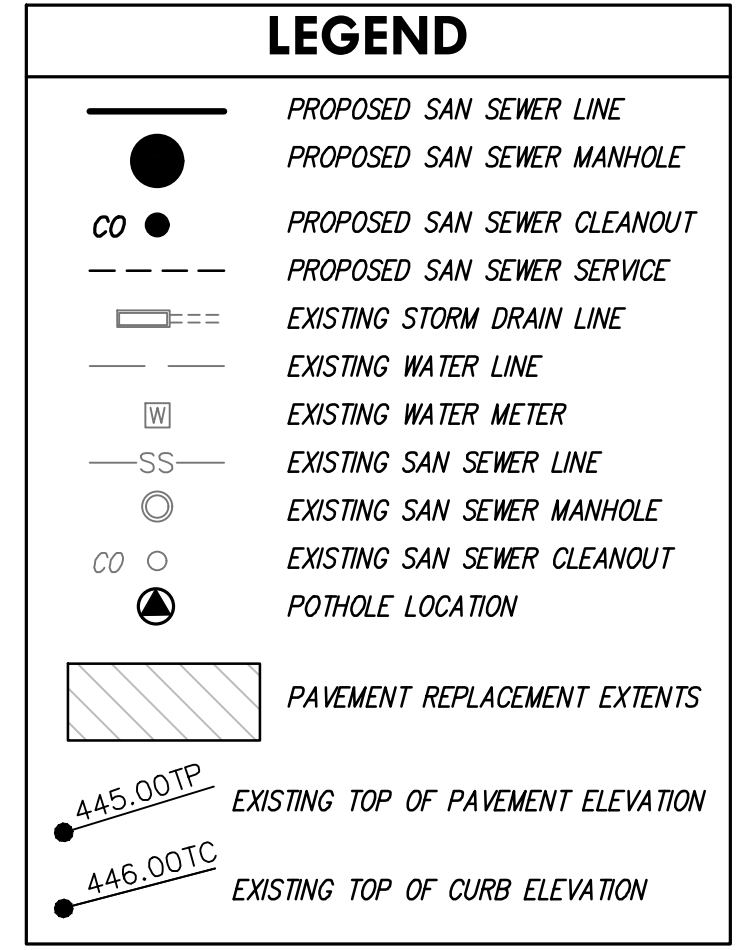
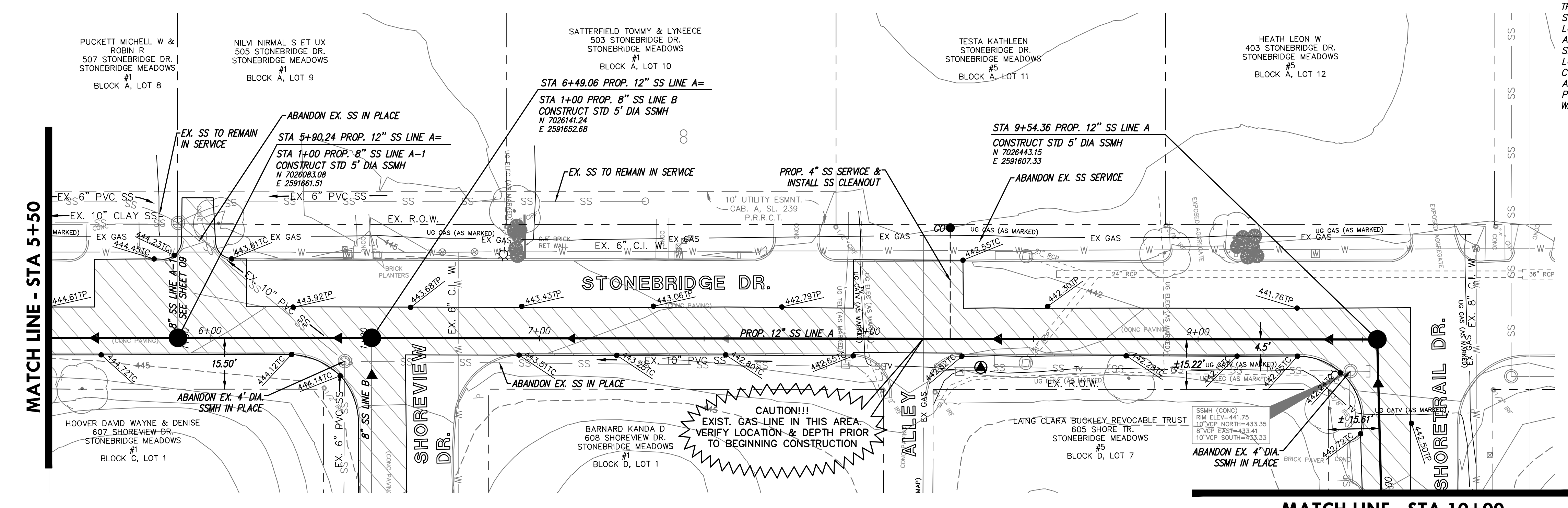
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RWL15253

sheet  
07  
of  
13

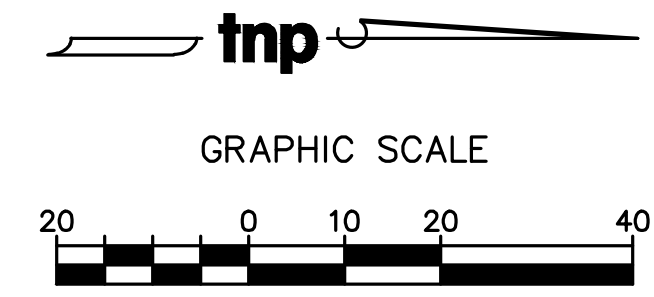


**CAUTION!!**  
EXISTING UTILITIES

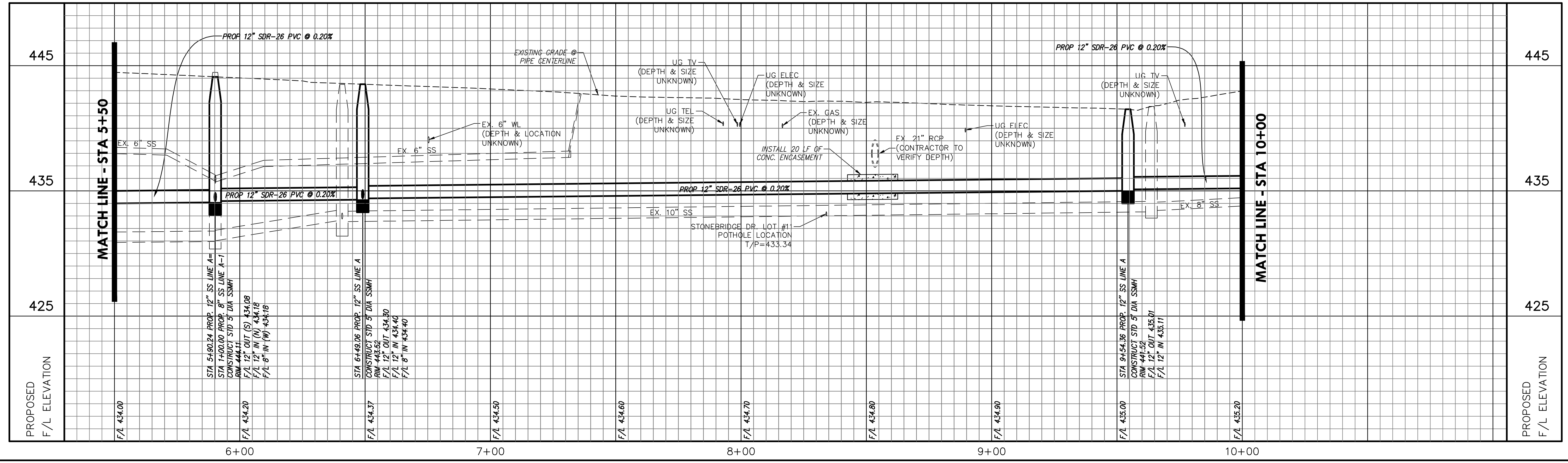
THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.



MATCH LINE - STA 10+00



NOTE:  
CONTRACTOR TO REF. CONSTRUCTION NOTES-PAVING #14 FOR PAVEMENT REPLACEMENT.



Drawing: C:\Projects\RW15253\001\Sanitary Sewer Plan & Profiles.dwg at 11/17/2019 9:39am by: eleyes  
Layout: 07 - SANITARY SEWER LINE A - Xrefs: X-22634-TBL-DALLAS.dwg - Z-SS.dwg - X-BASE.dwg

no.	revision	by	date



scale  
when bar is  
1 inch long

horiz  
1"=20'

vert  
1"=4'

JULY 2017



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CITY OF ROCKWALL, TEXAS

**STONEBRIDGE LIFT STATION ELIMINATION**

**SANITARY SEWER LINE A - STA 5+50 TO STA 10+00**

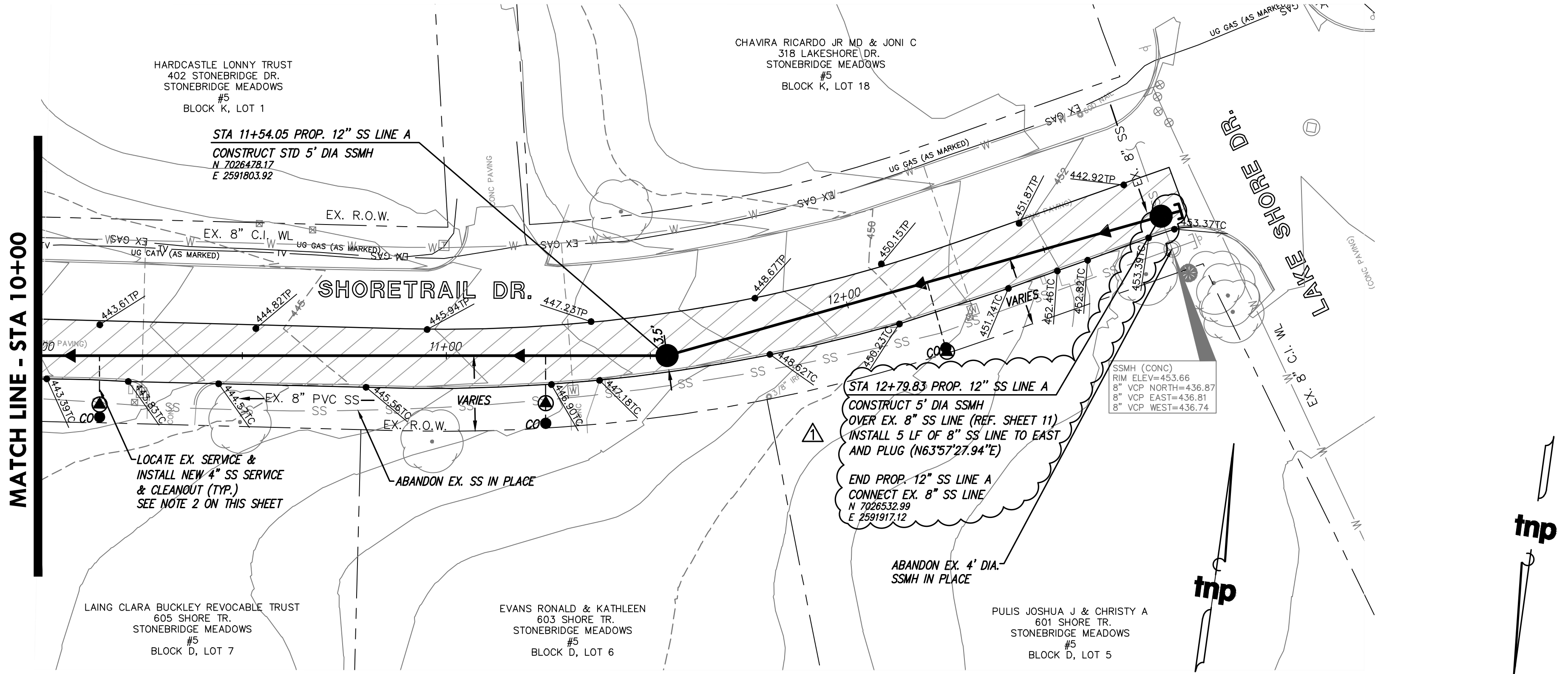
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RW15253

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of  
13

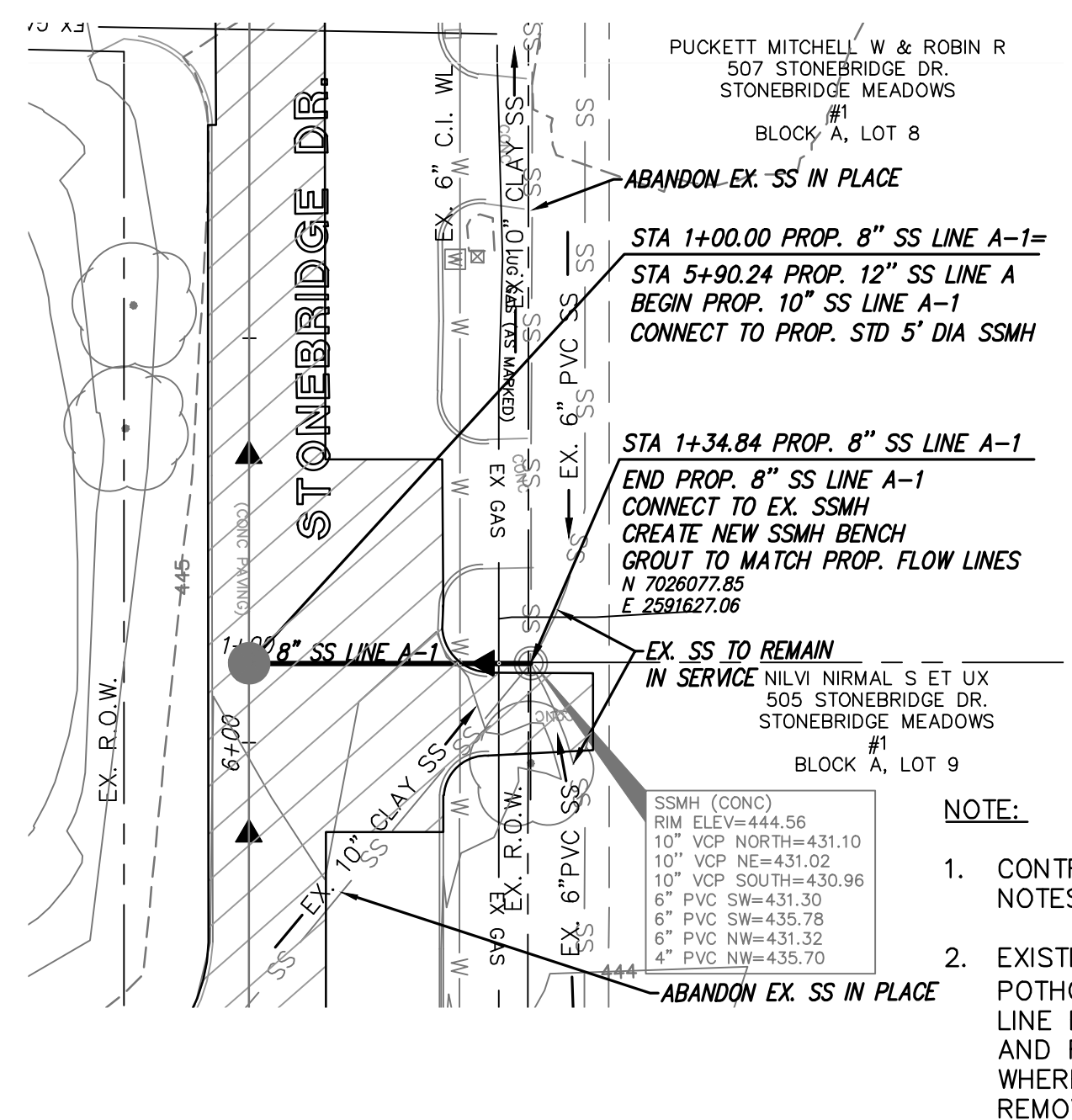
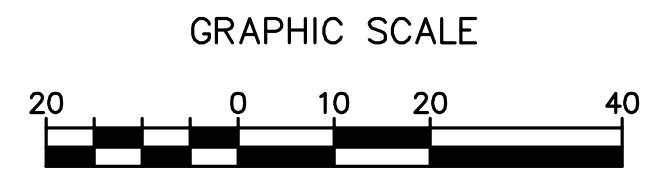


**CAUTION!!**  
EXISTING UTILITIES

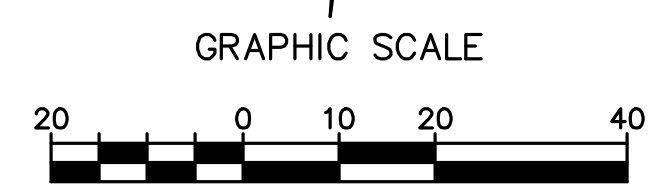
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**PROP. 12" SS LINE A**



**PROP. 8" SS LINE A-1**



**LEGEND**

- PROPOSED SAN SEWER LINE
- PROPOSED SAN SEWER MANHOLE
- PROPOSED SAN SEWER CLEANOUT
- PROPOSED SAN SEWER SERVICE
- EXISTING STORM DRAIN LINE
- EXISTING WATER LINE
- EXISTING WATER METER
- EXISTING SAN SEWER LINE
- EXISTING SAN SEWER MANHOLE
- EXISTING SAN SEWER CLEANOUT
- POT HOLE LOCATION
- ▨ PAVEMENT REPLACEMENT EXTENTS
- EXISTING TOP OF PAVEMENT ELEVATION
- EXISTING TOP OF CURB ELEVATION

**NOTE:**

- CONTRACTOR TO REF. CONSTRUCTION NOTES—PAVING #14 FOR PAVEMENT REPLACEMENT.
- EXISTING SERVICE FOR 605 SHORETRAIL DR. WAS POTHOLED LOWER THAN THE PROPOSED 12" TRUNK LINE ELEVATION. THE CONTRACTOR SHALL REMOVE AND RECONSTRUCT SERVICE BACK TO AN ELEVATION WHERE POSITIVE FLOW EXISTS. CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING ITEMS IN WAY IN ORDER TO MAKE PROPER CONNECTION. THIS SHALL INCLUDE, BUT NOT LIMITED TO, LANDSCAPING, ORNATE CIRCULAR DRIVEWAY, FLAGPOLE, ETC. ALL THESE ITEMS SHALL BE SUBSIDIARY TO THE SANITARY SEWER SERVICE PAY ITEM.

PROPOSED F/L ELEVATION	10+00	11+00	12+00	13+00	1+00	2+00	PROPOSED F/L ELEVATION
450					450	445	445
440					440	435	435
430					430	425	425

Drawing: C:\p\projects\17115253\001\Sheet\106 SANITARY SEWER PLAN & PROFILES.dwg, dt Jan 17, 2018, 9:35am, by: egrs  
 Layout: 106 SANITARY SEWER LINE A - STA 10+00 TO END - Area: X-2264-TBLK-DALLAS.dwg - Z-SS.dwg - X-BASE.dwg

no.	revision	by	date
▲	ADD SS STUBOUT TO MH @ STA 12+78.86	JB	3/27/18

City of Rockwall  
The New Horizon

scale  
when bar is  
1 inch long

horiz  
1"=20'

vert  
1"=4'

JULY 2017

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**CITY OF ROCKWALL, TEXAS**

**STONEBRIDGE LIFT STATION ELIMINATION**

**SANITARY SEWER LINE A - STA 10+00 TO END**

**SANITARY SEWER LINE A-1 BEGIN TO END**

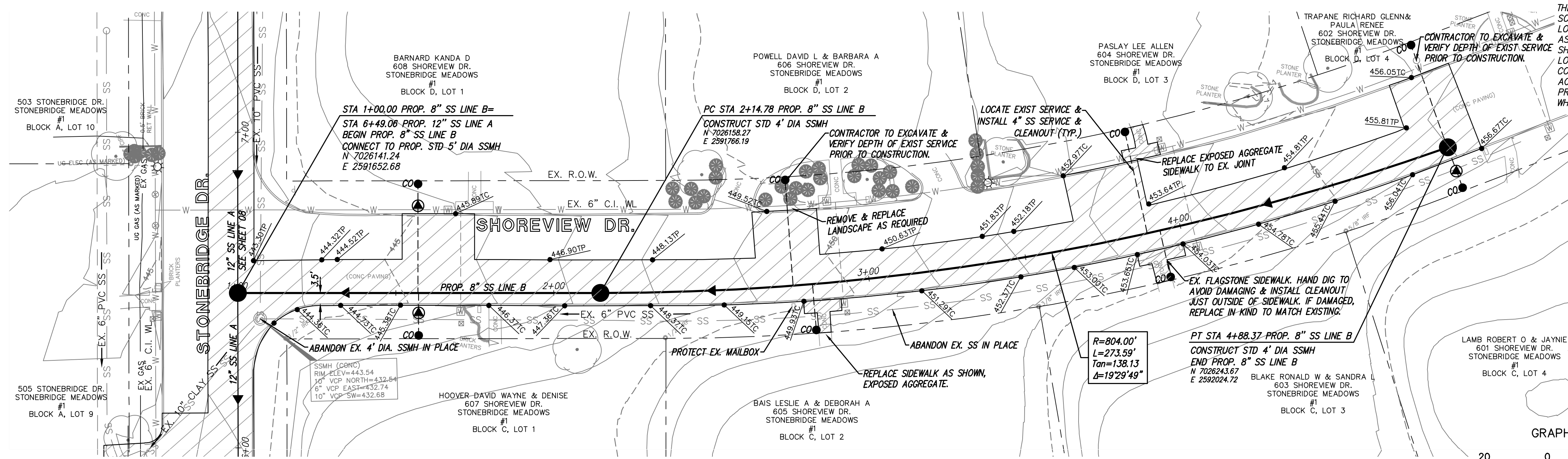
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of  
13



**CAUTION!!**  
EXISTING UTILITIES

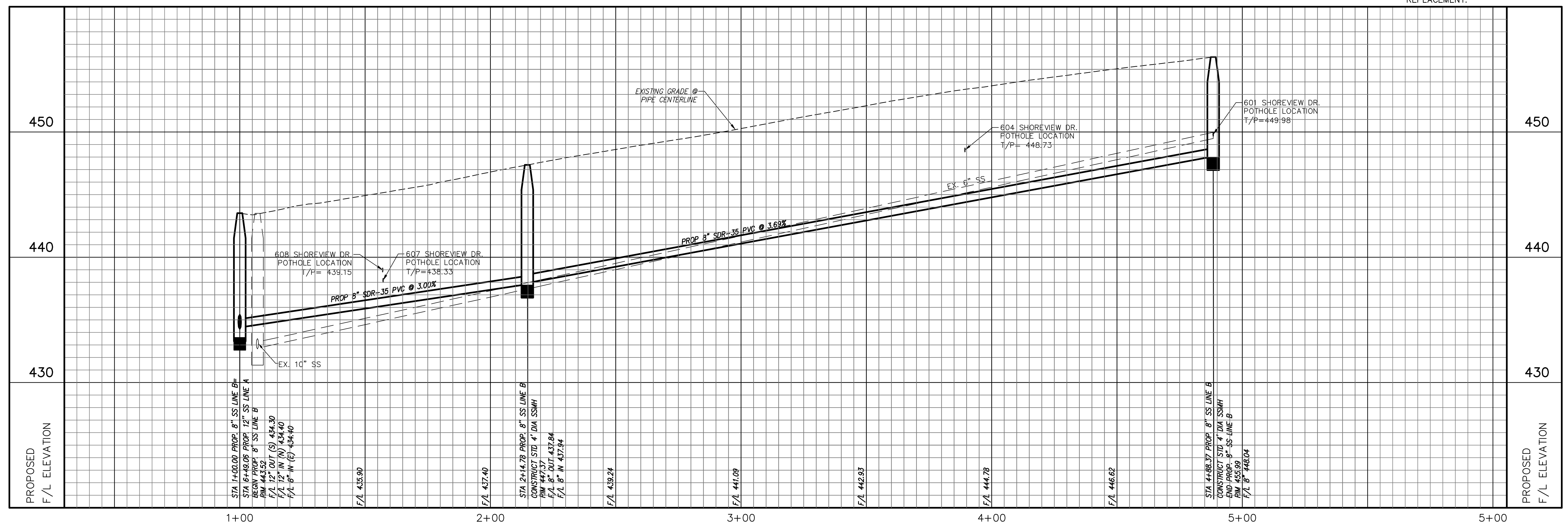
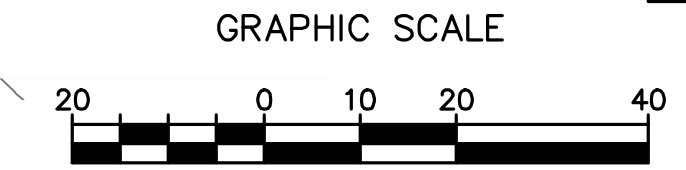
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**LEGEND**

- PROPOSED SAN SEWER LINE
- PROPOSED SAN SEWER MANHOLE
- CO ● PROPOSED SAN SEWER CLEANOUT
- PROPOSED SAN SEWER SERVICE
- EXISTING STORM DRAIN LINE
- EXISTING WATER LINE
- W EXISTING WATER METER
- EXISTING SAN SEWER LINE
- EXISTING SAN SEWER MANHOLE
- EXISTING SAN SEWER CLEANOUT
- POTHOLE LOCATION
- ▨ PAVEMENT/SIDEWALK REPLACEMENT EXTENTS
- 445.00TP EXISTING TOP OF PAVEMENT ELEVATION
- 446.00TC EXISTING TOP OF CURB ELEVATION

**NOTE:**  
CONTRACTOR TO REF. CONSTRUCTION NOTES-PAVING #14 FOR PAVEMENT REPLACEMENT.



Drawing: C:\Projects\RWL15253\DWG\Sheet\06 SANITARY SEWER PLAN & PROFILE.dwg at Jun 17, 2019 - 9:40am by erlyes  
 Layout: 06 SANITARY SEWER LINE B A:\s\2019\15253\DWG\2 - SS.dwg A:\BASE.dwg

no.	revision	by	date



scale  
when bar is  
1 inch long

horiz  
1"=20'

vert  
1"=4'

JULY 2017



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CITY OF ROCKWALL, TEXAS

**STONEBRIDGE LIFT STATION ELIMINATION**

**SANITARY SEWER LINE B - BEGIN TO END**

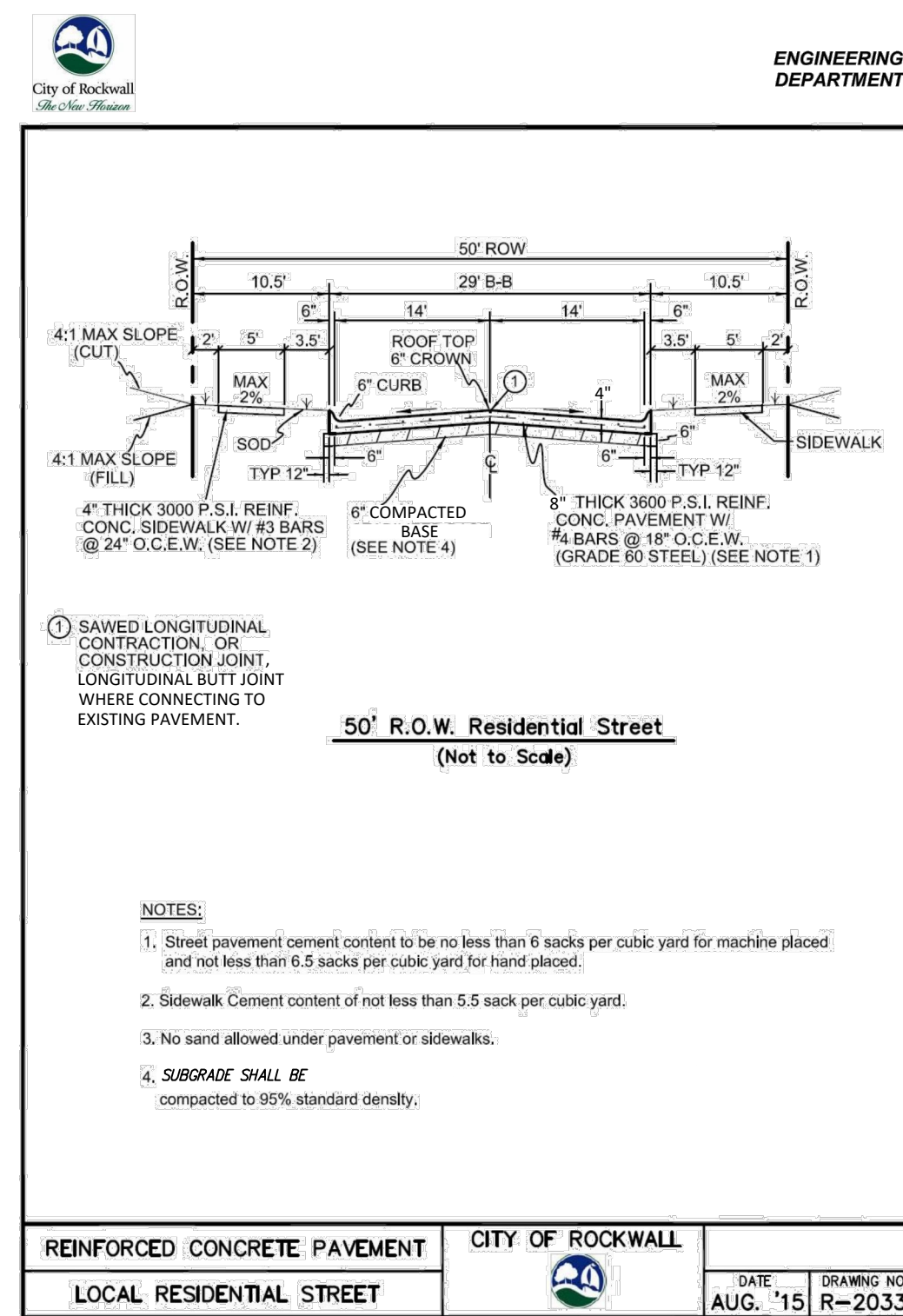
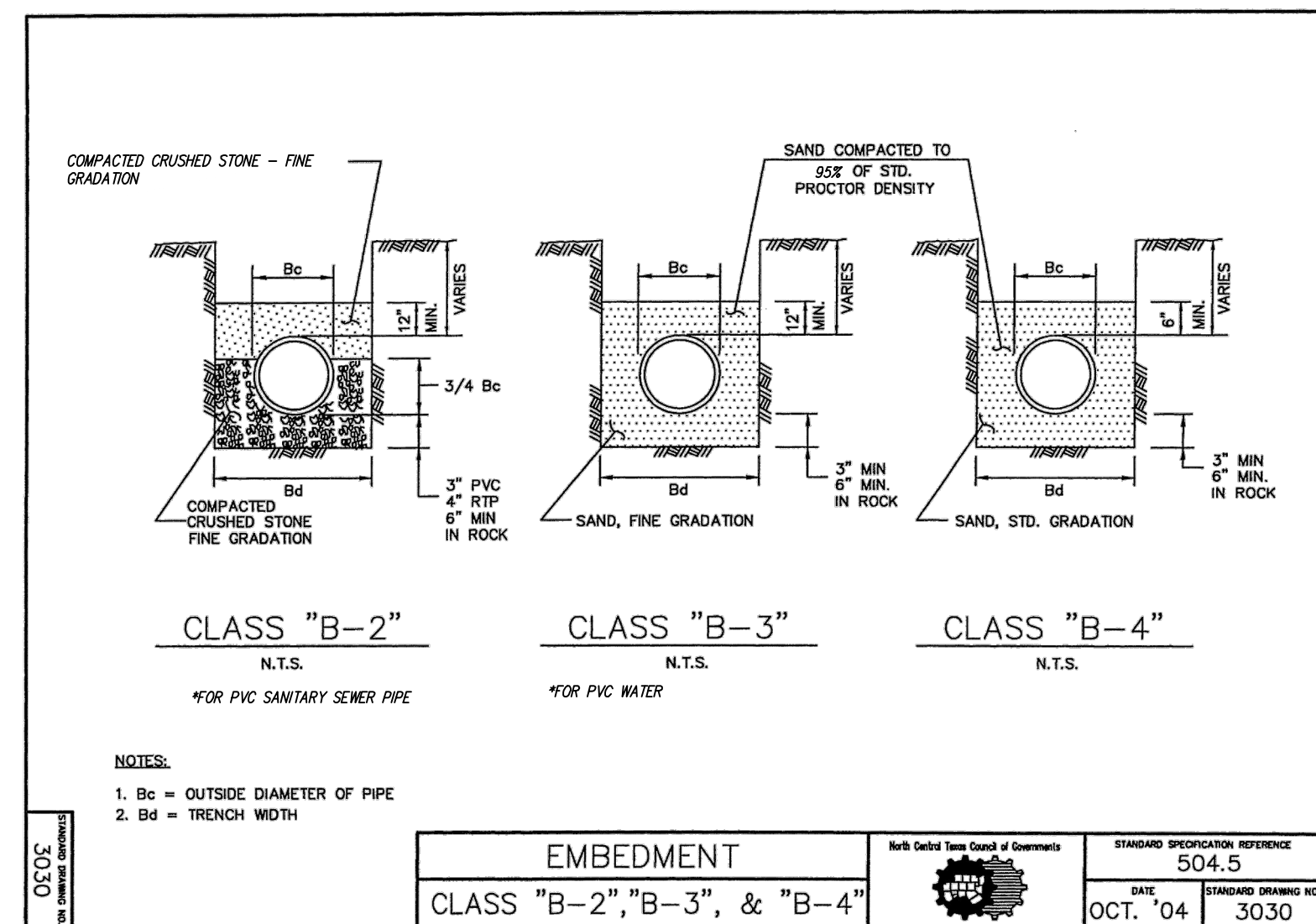
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of  
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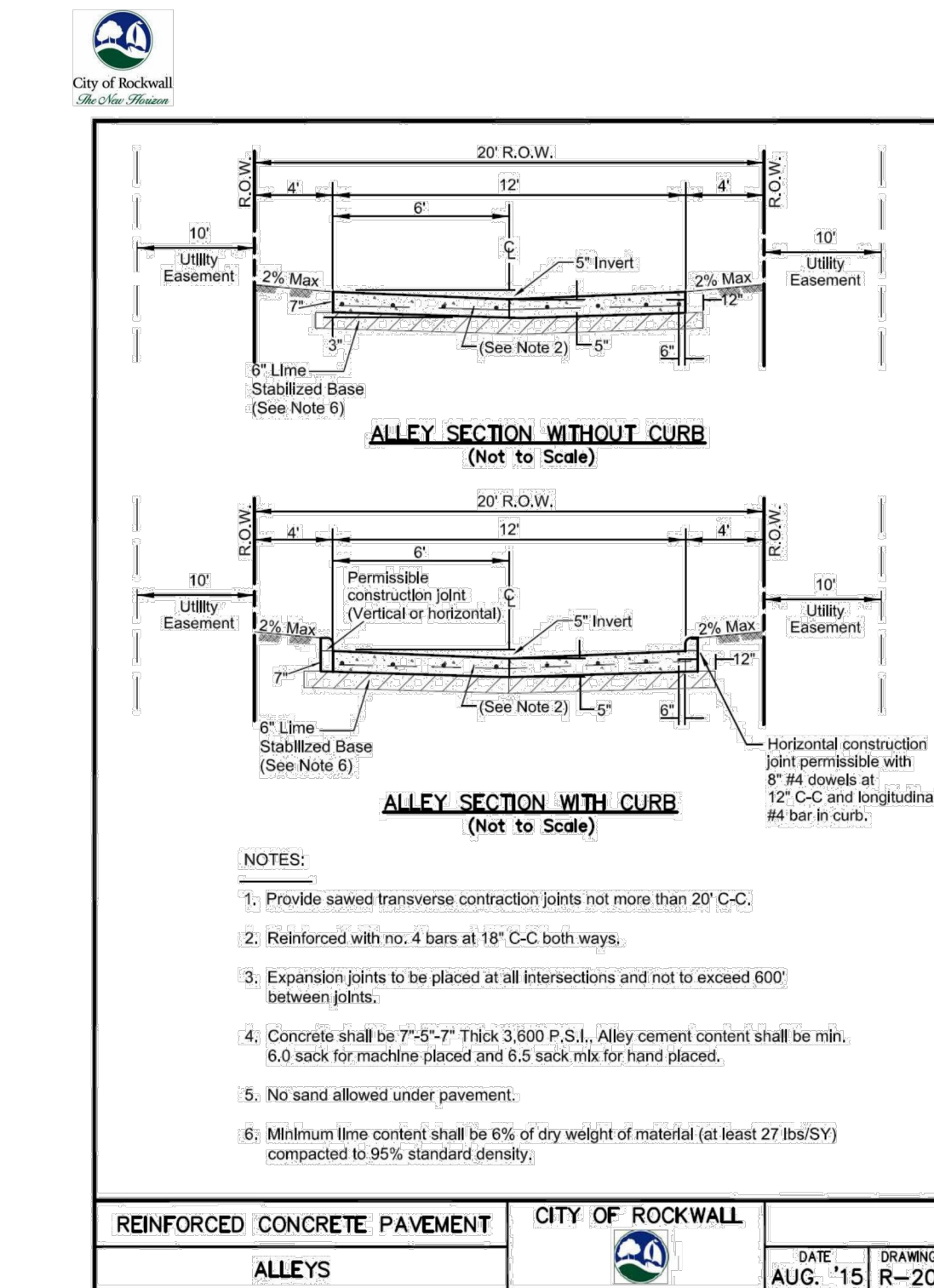
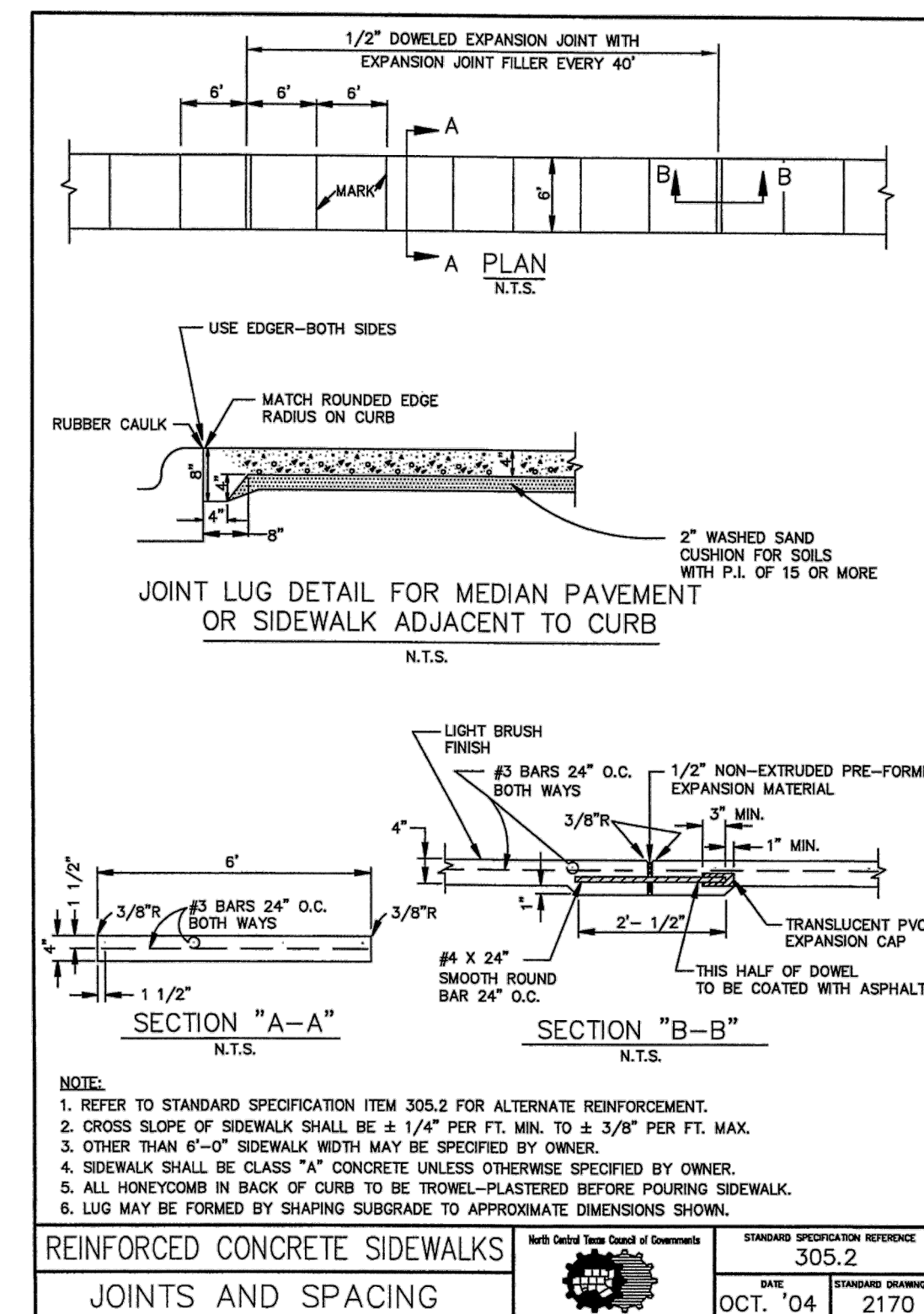




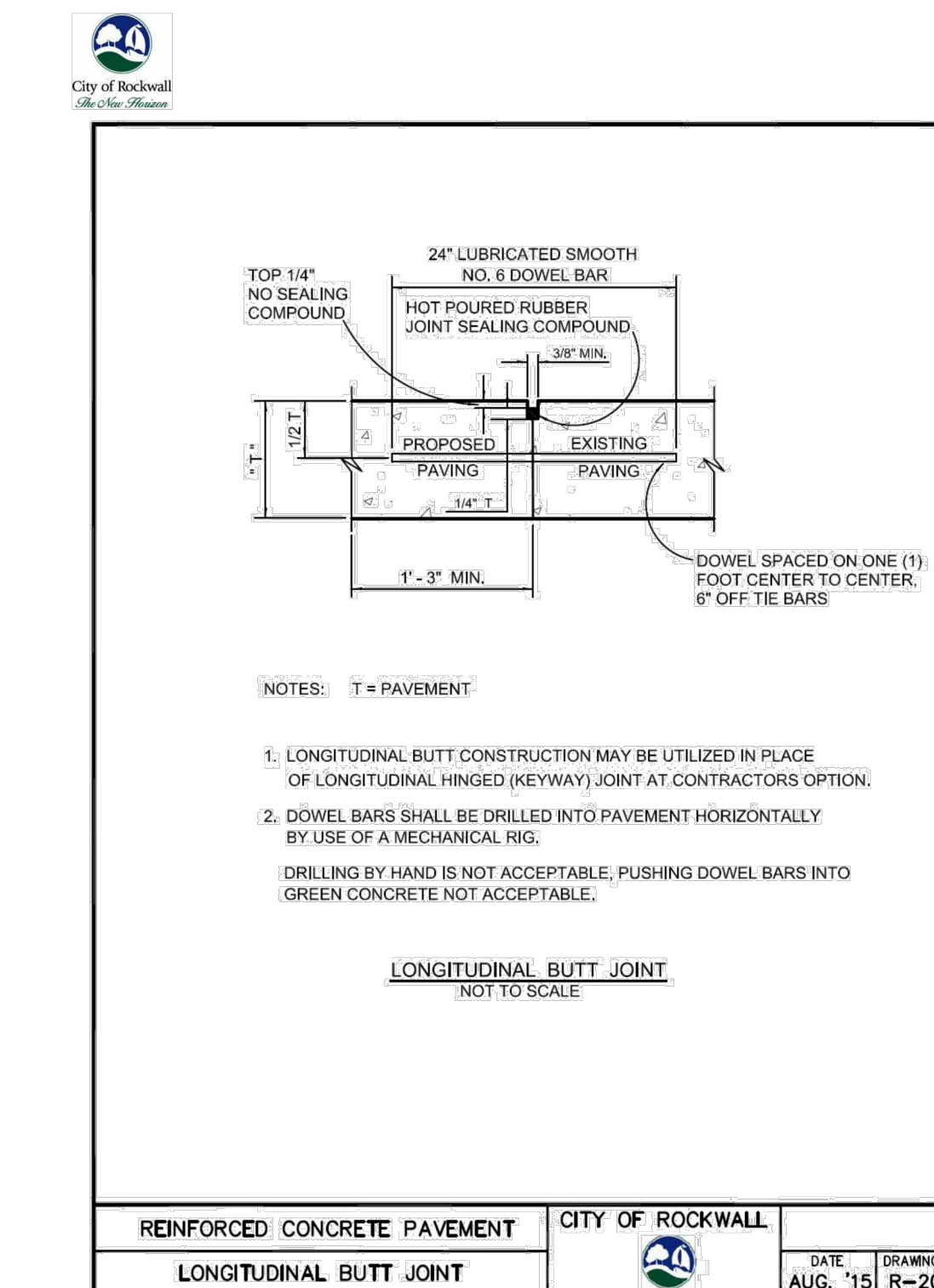
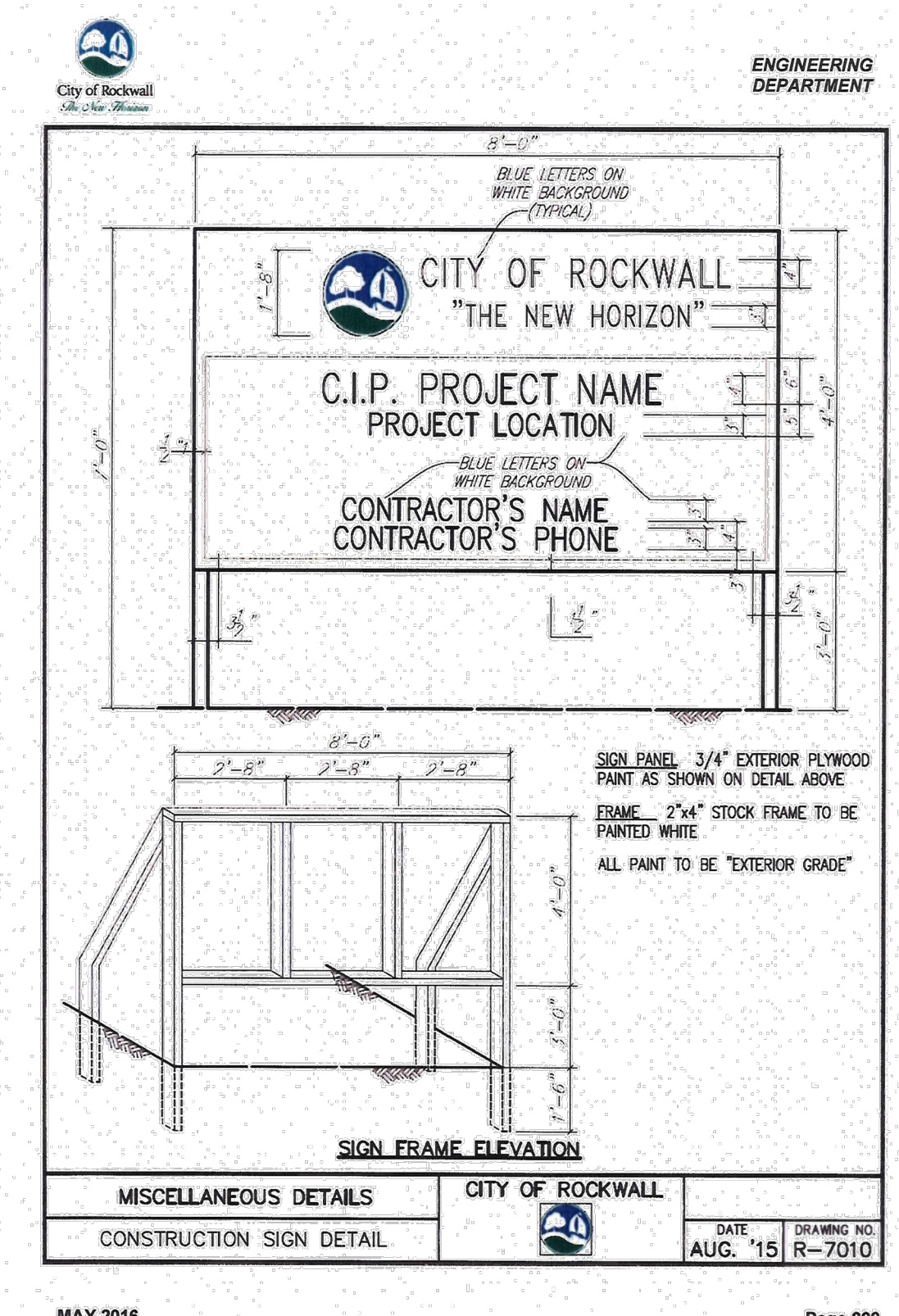




OCTOBER 2015 Page 217



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Page 214

CITY'S/ACTCOG'S STANDARD DETAILS WERE PREPARED BY OTHERS AND PROVIDED BY THE CITY. ENGINEER'S SEAL IS FOR PURPOSE OF VERIFYING DETAIL SELECTION ONLY.

Drawing: C:\Projects\RW15253\CAD\Sheets\CIVIL DETAILS.dwg at Jun 17, 2019 - 9:40am by erjeyg  
Layout: 11 - CIVIL DETAILS - 15253.dwg - 15253.dwg - 15253.dwg - 15253.dwg

no.	revision	by	date



scale	when bar is 1 inch long
horiz	N/A
vert	N/A
DATE	JULY 2017



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**CITY OF ROCKWALL, TEXAS**  
**STONEBRIDGE LIFT STATION ELIMINATION**  
**CIVIL DETAILS**

tnp project  
RW15253  
sheet  
12  
of  
13



