

Civil Engineering Plans for the Construction of
WATER, PAVING IMPROVEMENTS
To Serve
WATER SYSTEM IMPROVEMENT

SNIDER LANE
(From Shady Ln. to Highland Park)
CITY OF LUCAS
COLLIN COUNTY, TEXAS

APPROVED
CITY OF LUCAS
CITY ENGINEER
DATE
8.30.17

MAYOR
JIM OLK

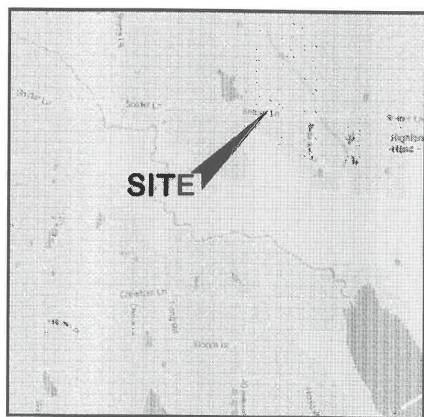
CITY COUNCIL
Kathleen Peele Steve Duke
Wayne Millsap Philip Lawrence
Tim Baney Debbie Fisher

CITY MANAGER
Joni Clarke, CPM

CITY MANAGER
Stanton Foerster, P.E.

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VICINITY MAP
(NOT TO SCALE)

OWNER/APPLICANT
LIBERTY BANKERS LIFE
1605 Lbj Freeway,
Ste. 710
Dallas, TX 75234
Phone: 469.522.4458
Contact: Allan Scharton

PLANNER/ENGINEER
ION DESIGN GROUP, LLC
F-6701
7075 Twin Hills Ave.
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SURVEYOR
MILLER SURVEYING, INC.
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Hurst, TX 76054
817.577.1052 Ph
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08.16.2017

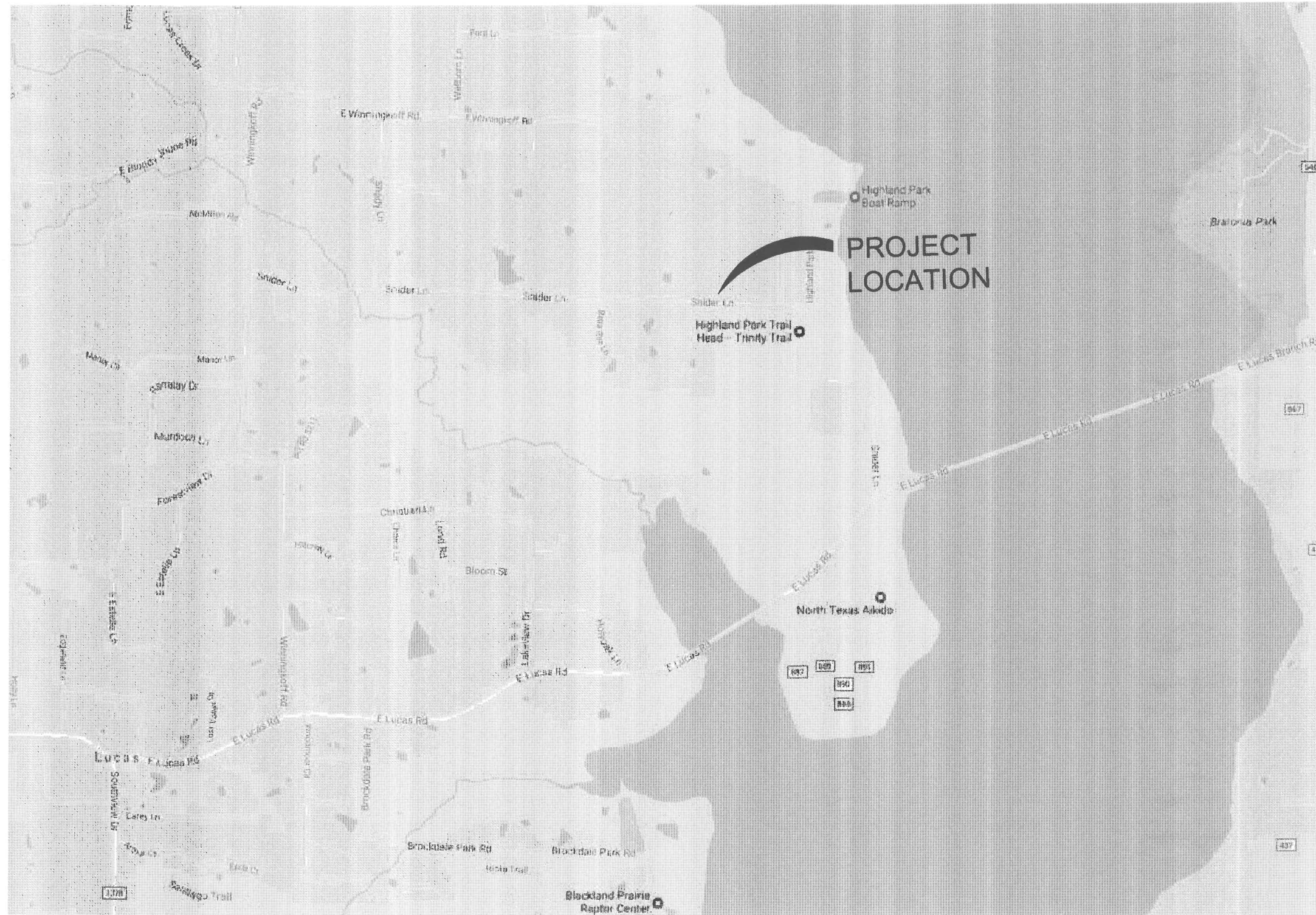


Ion Design Group
7075 Twin Hills Ave
Suite 350
Dallas, Texas 75231
Firm TX F6701
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2803.000 WATER SYSTEM IMPROVEMENT SNIDER LANE

LAYOUT: C0.01 COVER PLOTTED: Friday, August 25, 2017 4:10:18 PM BY: BRYAN-ISA PLOT SCALE: 1:1 SAVED: 8/25/2017 3:49PM BY: BRYAN-ISA
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LAYOUT: C1.01 LOCATION MAP PLOTTED: Friday, August 25, 2017 4:11:31 PM BY: BRYAN-ISA PLT SCALE: 1" = 800' DATE: 8/12/2017 12:49PM BY: BRYAN-ISA
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JOB NAME WATER SYSTEM IMPROVEMENT
SNIDER LANE
CITY OF LUCAS, COLLIN COUNTY, TEXAS

DRAWING TITLE
C1.01 LOCATION MAP



SEAL
JASON TRAFTON
113343
PROFESSIONAL ENGINEER
STATE OF TEXAS

DRAWN	FM	SCALE	H: 1" = 800'
CHECKED	JT	FILENAME	C1.01 LOCATION MAP
REVIEWED	BK	DRAWING NO.	C1.01
DATE	08.16.2017	PROJECT NO.	2803.000

02 of 13

LAYOUT: C1.02 GENERAL NOTES PLOTTED: Friday, August 25, 2017 4:11:46 PM BY: BRYAN-TSA PLOT SCALE: 1:1 SAVED: 4/12/2017 12:42PM BY: BRYAN-TSA
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GENERAL NOTES:

- It is the CONTRACTOR's responsibility to maintain neat and accurate plans of record.
- The CONTRACTOR is responsible for maintaining adequate site drainage throughout the duration of this project.
- The CONTRACTOR is responsible for obtaining all necessary permits and approvals before construction begins.
- The CONTRACTOR shall replace all fence removed during construction in as good as or better condition than before construction.
- The CONTRACTOR shall take all necessary precautions to ensure that electric power and telephone poles are either moved to a safe location by the affected utility company or not disturbed during construction. All costs incurred for moving electric power and telephone poles shall be included in the price bid for the construction of the project.
- The CONTRACTOR shall restore all property including driveways, public streets, sidewalks, public utilities, franchise utilities, private utilities, and all other improvements removed or damaged inside and outside the project limits during construction to as good as or better condition than before construction. Restoration shall be made immediately after the property no longer interferes with construction. All costs incurred for restoring any of the above items shall be included in the price bid for the construction of the project.
- The information shown on these drawings concerning type and location of underground and other utilities is not guaranteed to be accurate or all-inclusive. The CONTRACTOR is responsible for making his own determinations as to the type and location of underground utilities and other utilities as may be necessary to avoid damage thereto.
- The CONTRACTOR shall not place fill or waste material on any private property without prior written permission from the ENGINEER. No excess excavated material shall be deposited in low areas or along natural drainage ways that will restrict the natural flow of water. If the CONTRACTOR places excavated material in low areas that will cause flood damage, CONTRACTOR will be responsible for all damage resulting from such fill, and he shall remove the fill at CONTRACTOR's expense.
- All streets within the scope of the Contract shall be kept accessible to fire trucks, ambulances and other emergency vehicles.
- The CONTRACTOR shall be responsible for public safety during the duration of construction. All barricades, warning signs, lights, devices, etc., for the guidance and protection of traffic and pedestrians must conform to the installation shown in 1980 Texas Manual of Uniform Traffic Control Devices, as currently amended by the Texas Department of Transportation. CONTRACTOR shall at all times provide barricades, warning signs and lighting adequate to safeguard the public from any hazards resulting from open trenches during non-work hours.
- Filter fabric fence for erosion control shall be provided in accordance with specifications and as shown on the plans and in accordance with the EPA regulations.
- The CONTRACTOR shall use the public right-of-ways and existing utility easements for access to the job site.
- The CONTRACTOR shall select the subcontractor to be utilized for testing and lab work. The CONTRACTOR shall be responsible for paying for testing and lab work. Selection of subcontractor for this purpose will be subject to approval by the OWNER. Testing referred to herein includes compaction and water pressure testing, which shall be required on this project.
- The CONTRACTOR shall keep excavated trenches free of groundwater during construction. If necessary, the CONTRACTOR shall utilize dewatering procedures in order to control groundwater during construction such that it does not affect his construction work.
- The CONTRACTOR shall provide means for adequately controlling and avoiding soil erosion during construction. The CONTRACTOR shall not store spoil in drainage ways during construction.
- All disturbed earth areas are to be finish graded to original or proposed contours, fertilized and either hydromulched with bermuda seed or covered with block sod according to NCTCOG specifications immediately after construction. Backfill to be select material free of rock and other debris. CONTRACTOR shall thoroughly water the hydromulch or block sod immediately after placement. Block sod shall match the existing type of grass on a case by case basis. There shall be no separate pay for matching each type of grass. The CONTRACTOR shall also be responsible for continued maintenance and watering of the newly hydromulched or sodded areas until the entire project is completed and accepted by the City of Lucas. Watering of the bermuda hydromulch or block sod shall be done in a manner and quantity as directed by City of Lucas field representative.
- No existing sprinkler/irrigations systems have been shown on the plans; however, they may exist in certain areas. It is the CONTRACTOR's responsibility to locate any existing irrigation systems within the project limits and determine if they will be affected by this construction. If CONTRACTOR encounters any sprinkler systems during construction, he shall repair and/or replace in as good as or better condition than before construction. All costs incurred for restoring any sprinkler/irrigation systems shall be included in the price bid for the construction of the project.
- The CONTRACTOR shall maintain adequate sanitary facilities for use by workers throughout construction.
- The CONTRACTOR shall conform to the Occupational Safety and Health Administration's (OSHA) standards for trench safety that are in effect during the period of construction.
- All materials and workmanship shall conform to the City of Lucas Standards and Specifications and the North Central Texas Council of Government (NCTCOG) Standards and Specifications, except as noted. In the event of a conflict, the City of Lucas Standards and Specifications shall govern.
- No existing trees shall be removed without approval of the City of Lucas.
- CONTRACTOR shall provide all necessary construction staking.
- CONTRACTOR's working hours shall be in accordance with the provisions of the current City Ordinance governing hours of construction work in the City.
- The CONTRACTOR shall assume responsibility for protection of public utilities in the construction of this project. All manholes, valve boxes, fire hydrants, etc., must be adjusted to proper line and grade by the CONTRACTOR prior to and/or after placing any permanent paving. The CONTRACTOR shall also be responsible for support of existing utility poles, street signs, etc., when excavating in the vicinity of such poles.

GENERAL NOTES CONT'D.:

- Driveways affected by construction shall be replaced with driveway of same type material and surface as that removed for installation of water line. Driveway culverts shall be removed when necessary to allow for construction of water line. Culverts are to be replaced in the same location if condition of culvert is deemed satisfactory by OWNER. If culvert cannot be salvaged, a new culvert of the same type removed will be installed by the CONTRACTOR. Driveways that are disturbed during construction shall be restored to as good as or better condition than they were prior to construction and materials utilized to restore the driveway shall be the same material as what the driveway is presently made of. All costs incurred for removing and replacing driveways and/or driveway culverts shall be included in the price bid for the construction of the project.
- All existing water lines and service lines to remain in service during construction. At times when water has to be cut-off, the CONTRACTOR shall coordinate with the City of Lucas to notify the affected area at least 48 hours prior to water cut-off.
- The CONTRACTOR shall phase his daily work schedule so that all driveway crossings are to be complete prior to the end of the day. No driveway crossings are to be left open overnight. During installation of the pipeline across driveways, the CONTRACTOR shall be prepared to provide access across trenches and driveways at all times in case of emergency.
- Water service lines shall be sd-9 200 psi polyethylene tubing complying with astm d2737. fittings shall be pvc compression-type water service fittings. service lines serving a single lot shall be minimum 1" polyethylene tube.
- CONTRACTOR shall install isolation gate valves and fire hydrants at locations shown on plans unless otherwise directed by OWNER. OWNER may direct CONTRACTOR to locate valves and fire hydrants at locations other than those shown on plans. Also, OWNER may add additional isolation gate valves and fire hydrants as required for operational purposes.
- The CONTRACTOR is responsible for keeping streets, parking areas, sidewalks, etc., adjacent to the project free of mud and debris from construction.
- The City of Lucas Public Works Department is to be notified 48 hours (2 working days) prior to any construction of paving and utilities in rights-of-way and easements.
- Arrangements for construction water shall be made through the City of Lucas.
- All locations of underground utility lines are approximate. CONTRACTOR shall contact the proper utility companies at least 48 hours prior to construction, shall inform them of beginning of construction and shall make arrangements to have utilities located by flagging. Flagging of utilities shall be completed prior to beginning construction.
- PVC pipe shall be manufactured from a low filler PVC component capable of meeting the highest performance standards of the ASTM specifications.
- Construction sites shall be secure at all times. Safety precautions shall be taken to protect the public from any injury which might result from construction activities.
- As part of bid item, "EROSION CONTROL", the CONTRACTOR shall be responsible for implementing any and all erosion control measures as needed to control runoff of siltation from the project site. This shall include, but is not limited to, silt fencing, rock berms, etc. The CONTRACTOR shall maintain these erosion control measures as required until the construction is completed and sod has been placed over disturbed areas.
- CONTRACTOR shall expose each existing pipeline to which a proposed pipeline will be connected and shall verify the horizontal and vertical location of the existing pipeline prior to the installation of the proposed pipeline.
- Proposed water line shall have a minimum cover of forty two inches (42").
- The fittings for the proposed water line shall be AWWA C153 compact fittings.
- All materials furnished and installed on this project shall be domestic materials and shall be in compliance with the appropriate AWWA Standards for such items.
- Hydromulch or block sodding shall be installed to match surrounding areas where the ground is disturbed in the construction area. City reserves the right to provide direction with regard to areas to be hydromulched or sodded. The CONTRACTOR will receive payment only for the square yards of area actually hydromulched or sodded in the construction area.
- If any conflicts with other utilities occur during the construction activities, the CONTRACTOR shall immediately notify the City's representative and shall make adjustments as necessary with City's concurrence.
- No connections to other City water distribution lines shall be made on Fridays.
- CONTRACTOR is responsible for locating all existing buried lines. Locations of pipelines shown on the plans are approximate and are to the best knowledge of the engineer. CONTRACTOR will make all repairs to existing lines damaged during construction work and will have materials on hand to make such repairs.
- CONTRACTOR shall take the existing water lines out of service and abandon in place once all service connections are changed over. CONTRACTOR shall cut and plug existing water lines in a sufficient manner to prevent loss of water.
- Mega-lugs shall be furnished and installed on all bends, valves, joints, and other fittings that are required for the proposed water line.
- A 3M locator type 1266 shall be furnished and installed no deeper than 4 feet by the CONTRACTOR beside all valves, above all bends and above all corporation stops on the proposed water line.
- CONTRACTOR shall furnish and install a tracer wire that is compatible with and will allow detection by radio detection corporation's digital PXL-2 pipe locator. The tracer wire shall be installed just above the proposed water lines and throughout the length of the water lines. The tracer wire shall be minimum 14 gauge wire.
- If the CONTRACTOR excavates a trench for the proposed water line to a depth requiring a trench safety plan, CONTRACTOR shall provide a trench safety plan prepared and sealed by a licensed engineer, which shall be in conformance with OSHA requirements. CONTRACTOR shall provide trench safety during construction per the trench safety plan when and where it is required as a result of OSHA requirements, job conditions, site conditions, or soil conditions.
- There is no separate pay resulting from any of the work required as a result of the requirements included in these general notes, unless otherwise noted. All work required shall be included in the unit price bid for the project.

GENERAL TRAFFIC CONTROL NOTES

- All temporary signs, markings, cones, channelizing devices, warning lights and barricades shall be in accordance with the current State of Texas Manual on Uniform Traffic Control Devices (MUTCD).
- Type "A" warning lights shall be placed on all advance warning signs. In addition, flags shall be placed on all advance warning signs that detour traffic.
- Any existing conflicting markings shall be removed prior to shifting traffic.
- All temporary pavement markings required during construction shall be of the removable type. Temporary markings and striping may be required to transition travel lanes between construction phases. All pavement markings and striping shall be reflective.
- The spacing of signs and channelization devices may be adjusted to fit the geometric conditions encountered, such as driveways, intersecting roadways, vertical and horizontal alignment, etc., as approved by the City of Lucas.
- Advance warning signs shall not be displayed more than forty-eight (48) hours before physical construction begins. Signs may be erected up to one week before needed, if the sign face is fully covered.
- Use of barricades, portable barrier rails, vertical panels, and drums shall be limited to the immediate areas of construction where a hazard is present. These devices shall not be stored along the roadway within thirty (30) feet of the edge of the traveled way before or after use unless protected by guardrail, bridge rail, and/or barriers installed for other purposes. These devices shall be removed from the construction work zone when the City of Lucas determines they are no longer needed. Where there is insufficient right-of-way to provide for this thirty (30) foot setback, the City of Lucas shall approve alternate locations.
- The posted speed for warning signage is to be determined at the site by the City of Lucas.
- Reduced speed warning signage should be placed prior to and at regular intervals within the construction zone.
- As part of the bid item, "Construction Barricading/Signing/Traffic Control," the CONTRACTOR is required to submit a traffic control plan for construction a minimum of 3 days prior to changes in traffic handling or movement. These plans are to be reviewed and approved by the City of Lucas prior to construction of that phase.
- The CONTRACTOR shall accommodate existing traffic during construction and shall maintain at least one open lane of traffic at all times. Use of flag men, barricades, vertical panels, etc. shall be required and shall be considered subsidiary to "Construction Barricading/Signing/Traffic Control".
- CONTRACTOR shall be required to place temporary pavement markings and/or buttons as needed to maintain traffic in a safe and efficient manner after removal of existing markings. These temporary markings shall not be paid for separately but shall be considered subsidiary to "CONSTRUCTION BARRICADING/SIGNING/TRAFFIC CONTROL".

CONSTRUCTION SEQUENCE:

- Existing water lines shall remain in service until all new water lines are installed and ready for service. Once new water lines are all installed and ready for service, new water lines shall be placed in service and existing water service connections shall be switched over to the new water line where existing water lines are being replaced by the new water line.

SERVICE CONNECTION NOTES:

- CONTRACTOR shall install new 1" service lines from existing water meters to proposed water lines. These new 1" service lines shall replace the existing service lines. Once CONTRACTOR has completed installation of the proposed water lines and the new water lines have been tested and disinfected and once all the bacteriological samples have passed and the water lines have been placed in service, the CONTRACTOR shall disconnect the old service lines and connect the new service lines to the existing water meters. The CONTRACTOR shall provide all labor and materials to install the new 1" service lines and connect the 1" service lines to existing water meters.
 - Long 1" service lines from proposed water line to existing meters where existing meters are on the opposite side of the road from the proposed water line.
- For the service connections, CONTRACTOR shall furnish and install Ford brass taps and saddles (double saddles) or approved equal. The cost for the taps and saddles shall be included in the price bid for the service lines.

ENGINEER'S GENERAL NOTES

ENGINEER'S GENERAL NOTES do not supersede the CITY'S NOTES AND STANDARDS.

APPROVED PLANS AND DIGITAL CAD FILES

- No construction activity shall commence prior to ENGINEER receiving Final City-Approved Civil Engineering Design Plans (PLANS).
- Prior to commencement of construction, OWNER shall provide any company or individual responsible for constructing and/or overseeing improvements (CONTRACTOR) with digital CAD files of PLANS.
- CONTRACTOR shall not commence construction prior to obtaining digital CAD files of PLANS from OWNER. CONTRACTOR shall utilize ONLY the approved digital CAD files of PLANS in establishing construction measurements. CONTRACTOR shall NOT use or rely upon any scale that may appear on PLANS for construction or other purposes. CONTRACTOR is to measure and construct from digital CAD PLANS only.
- PLANS are considered a set comprised of ALL sheets. CONTRACTOR shall review all sheets within the PLANS for relevancy to construction, particularly the GENERAL NOTES sheet.

SURVEY

- PLANS are prepared utilizing field survey information provided by Miller Surveying, Inc. dated July 8, 2016. Prior to commencement of construction, CONTRACTOR shall confirm site conditions are as represented on PLANS, as site conditions may have changed since field survey was completed.

STANDARDS & METHODS

- ENGINEER has prepared PLANS under the guidance and standards provided by the City. PLANS are prepared by ENGINEER to comply with the rules, regulations and standards in effect as of the date PLANS were sealed by ENGINEER. Standard details, vicinity maps, and like information are provided as reference only for CONTRACTOR.
- CONTRACTOR shall be responsible for all materials and methods of construction conforming to the City's standards. CONTRACTOR shall be aware that PLANS may not include the City's standard details or construction methods. CONTRACTOR shall review the City's applicable standard details and construction methods. If no standards are available, materials and methods of construction shall conform to North Central Texas Council of Governments (NCTCOG) Public Works Construction Standards.

PLAN DISCREPANCIES, CONFLICTS OR QUESTIONS

- If it is the intent of the ENGINEER that PLANS provide a design for complete installation of designed improvements, if CONTRACTOR finds PLANS do not sufficiently describe the installation of improvements or that discrepancies exist on PLANS, CONTRACTOR shall contact ENGINEER immediately for guidance prior to proceeding.
- In the event CONTRACTOR locates conflicts in PLANS or between PLANS and applicable standards and/or methods, CONTRACTOR shall notify ENGINEER immediately to obtain guidance prior to proceeding with construction. If CONTRACTOR has any concerns or questions regarding PLANS prior to or during construction, CONTRACTOR shall contact ENGINEER immediately for guidance or clarification prior to proceeding.

PUBLIC UTILITIES AND ADA




- Information on locations, elevations, and dimensions of existing public utilities (water, sanitary sewer, and storm sewer) on PLANS was obtained by ENGINEER from available governmental records. ENGINEER assumes no responsibility for accuracy of such records and does not guarantee that all utilities are shown or are located as indicated on PLANS. CONTRACTOR shall consider utility information as approximate. CONTRACTOR shall verify locations, elevations, and dimensions of utilities sufficiently in advance of construction and notify ENGINEER if revisions to PLANS are required to address utility conflicts.
- CONTRACTOR shall be responsible for securing improvements in a manner that is compliant with the Americans with Disabilities Act (ADA). CONTRACTOR shall contact ENGINEER immediately for guidance if any discrepancies or conflicts between PLANS and applicable ADA standards are found prior to continuing construction.

FRANCHISE UTILITIES

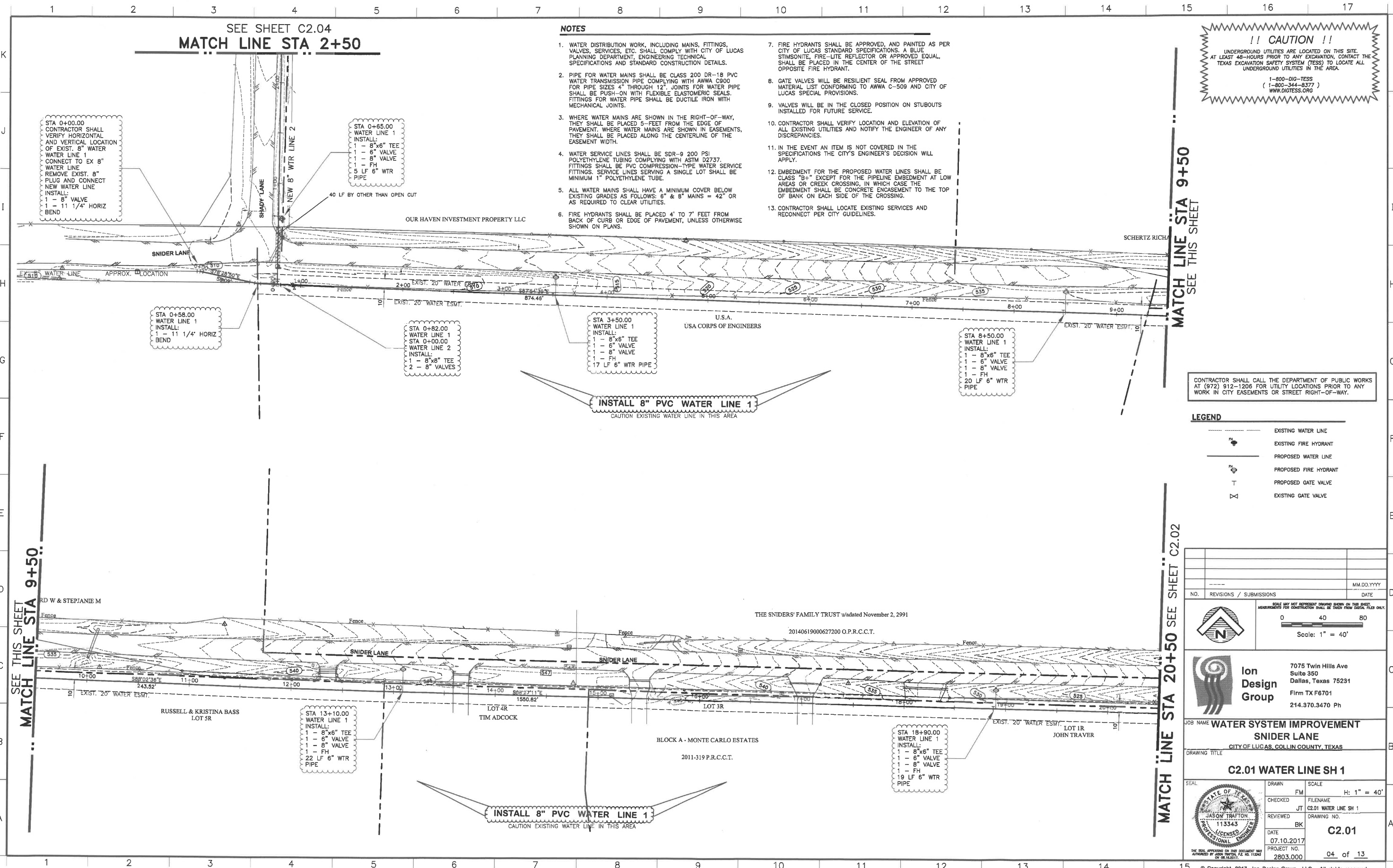
- PLANS do not include installation and/or relocation of franchise utilities (phone, electric, gas, cable, fiber optic, etc.). OWNER or OWNER's representative, shall be responsible for all contact and coordination with franchise utilities concerning these matters. CONTRACTOR shall be responsible for determining conflicts that franchise utilities may have on PLANS sufficiently in advance of construction and shall notify ENGINEER and OWNER immediately to obtain guidance, prior to proceeding with construction.

CONSTRUCTION AND RECORD SET OF PLANS

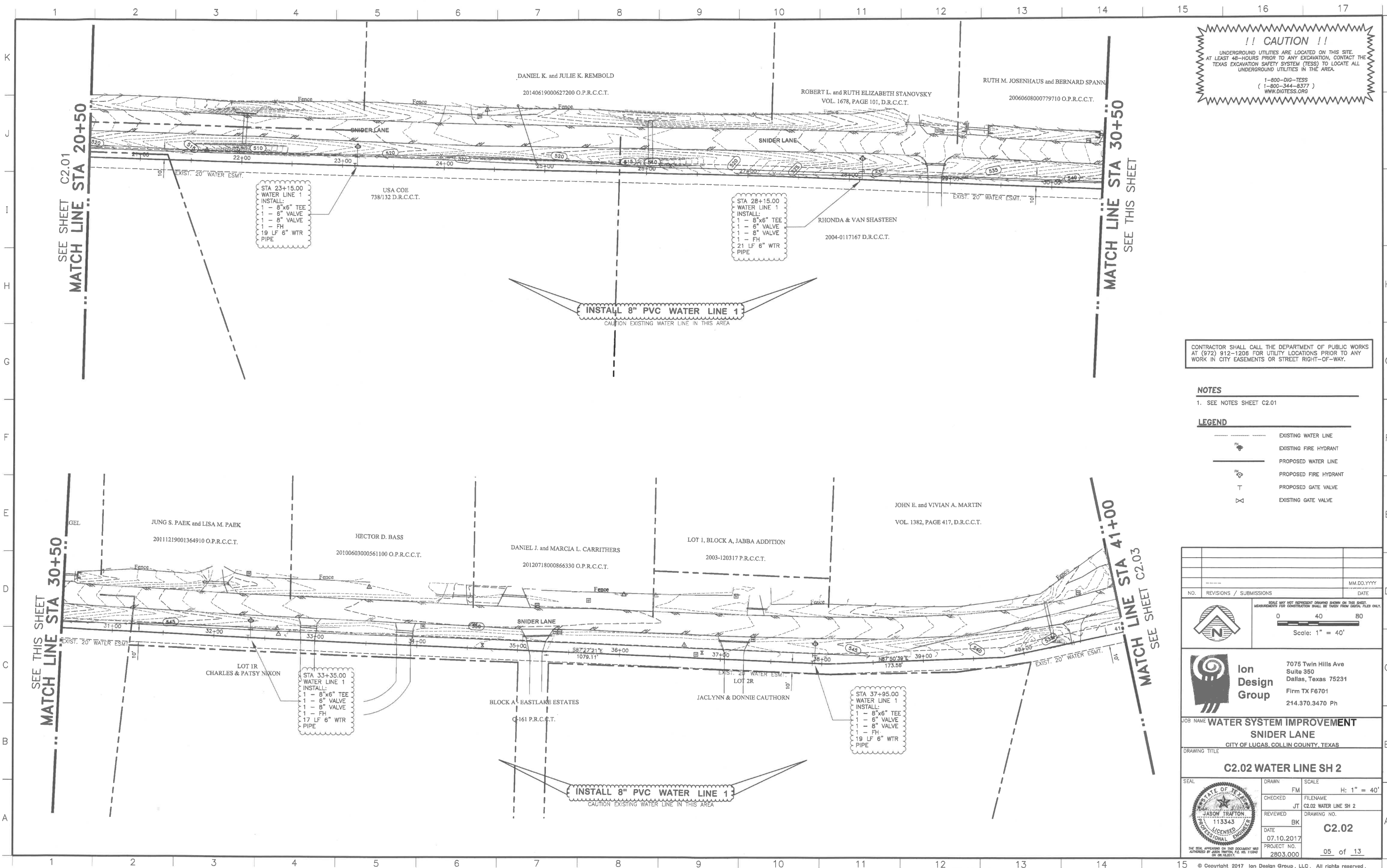
- Prior to commencing construction, CONTRACTOR shall verify congruency of PLANS with Landscape, Architectural, MEP and other plans.
- CONTRACTOR shall verify acceptance of variances between City standards (or other standards) and proposed improvements, prior to commencing construction. ENGINEER is not responsible for any finished improvements not accepted by the City.
- No field changes or deviations from PLANS shall be made without prior approval of ENGINEER and City.
- Upon completion of construction, CONTRACTOR shall retain the services of a licensed surveyor to provide a survey of all installed improvements (including building pad elevations) and provide ENGINEER digital CAD files reflecting surveyed information and noting of all deviations or variations from PLANS.

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Ion Design Group			
7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph			
JOB NAME WATER SYSTEM IMPROVEMENT			
SNIDER LANE			
CITY OF LUCAS, COLLIN COUNTY, TEXAS			
C1.02 GENERAL NOTES			
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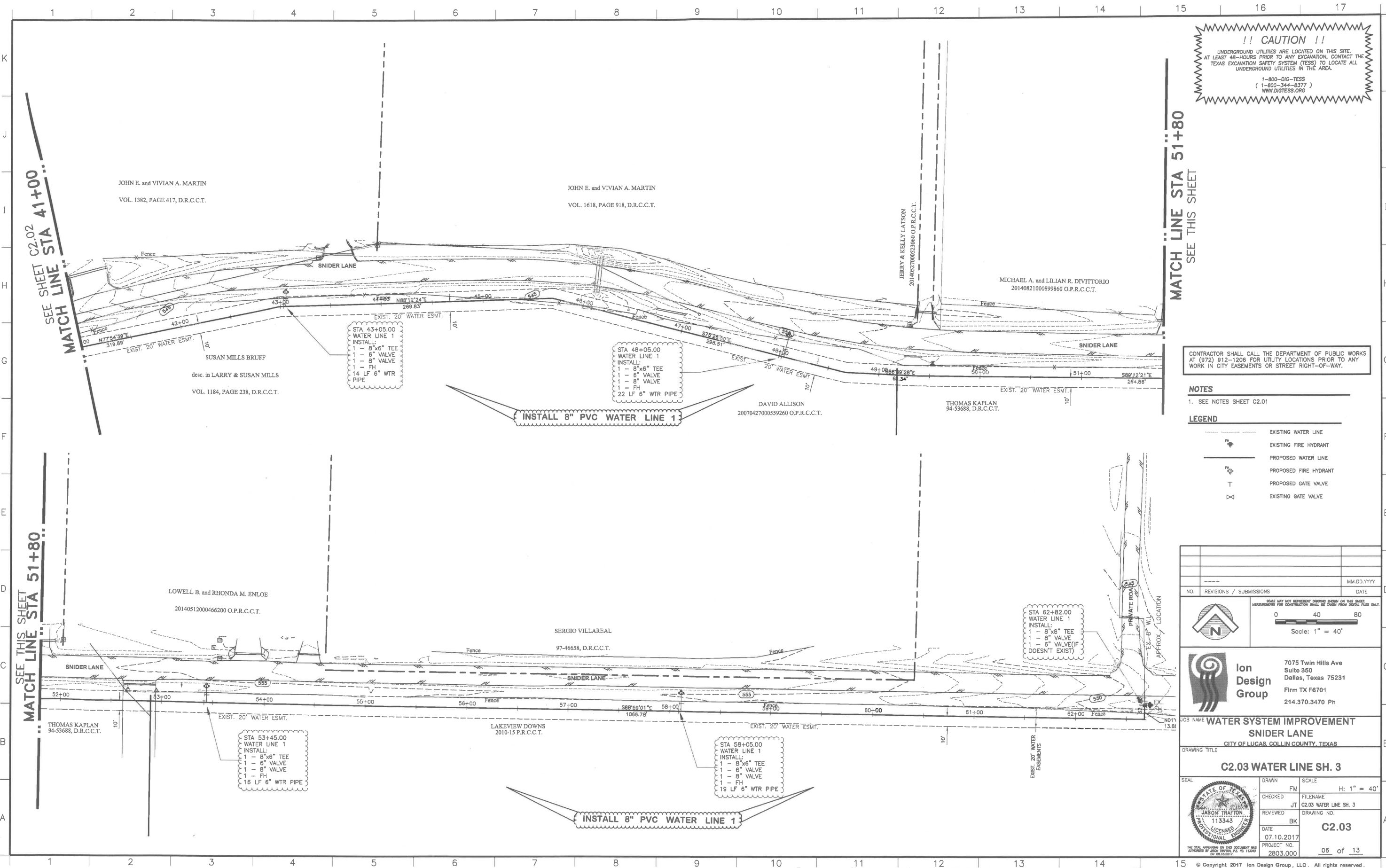
!! CAUTION !!
UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE.
AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE
TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL
UNDERGROUND UTILITIES IN THE AREA.
1-800-DIG-TESS
(1-800-344-8377)
WWW.DIGTESS.ORG

CONTRACTOR SHALL CALL THE DEPARTMENT OF PUBLIC WORKS
AT (872) 912-1206 FOR UTILITY LOCATIONS PRIOR TO ANY
WORK IN CITY EASEMENTS OR STREET RIGHT-OF-WAY.

- NOTES**
- SEE NOTES SHEET C2.01
- LEGEND**
- EXISTING WATER LINE
 - EXISTING FIRE HYDRANT
 - PROPOSED WATER LINE
 - PROPOSED FIRE HYDRANT
 - PROPOSED GATE VALVE
 - EXISTING GATE VALVE

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7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph		
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CITY OF LUGAS, COLLIN COUNTY, TEXAS		
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	PROJECT NO.	2803.000
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05 of 13		

LAYOUT: C2.03 WATER LINE SH. 3 PLOTTED: Friday, August 25, 2017 4:12:00 PM BY: BRYAN-ISA PLOT SCALE: 1:11 SAVED: 4/12/2017 12:49PM BY: BRYAN-ISA
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!! CAUTION !!
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AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE
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UNDERGROUND UTILITIES IN THE AREA.
1-800-DIG-TESS
(1-800-344-8377)
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MATCH LINE STA 51+80
SEE THIS SHEET

CONTRACTOR SHALL CALL THE DEPARTMENT OF PUBLIC WORKS
AT (972) 912-1206 FOR UTILITY LOCATIONS PRIOR TO ANY
WORK IN CITY EASEMENTS OR STREET RIGHT-OF-WAY.

NOTES

1. SEE NOTES SHEET C2.01

LEGEND

- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE







NO. REVISIONS / SUBMISSIONS		MM.DD.YYYY
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7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph		
JOB NAME: WATER SYSTEM IMPROVEMENT SNIDER LANE		
CITY OF LUCAS, COLLIN COUNTY, TEXAS		
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	DATE: 07.10.2017	PROJECT NO. 2803.000
	06 of 13	






NOTES

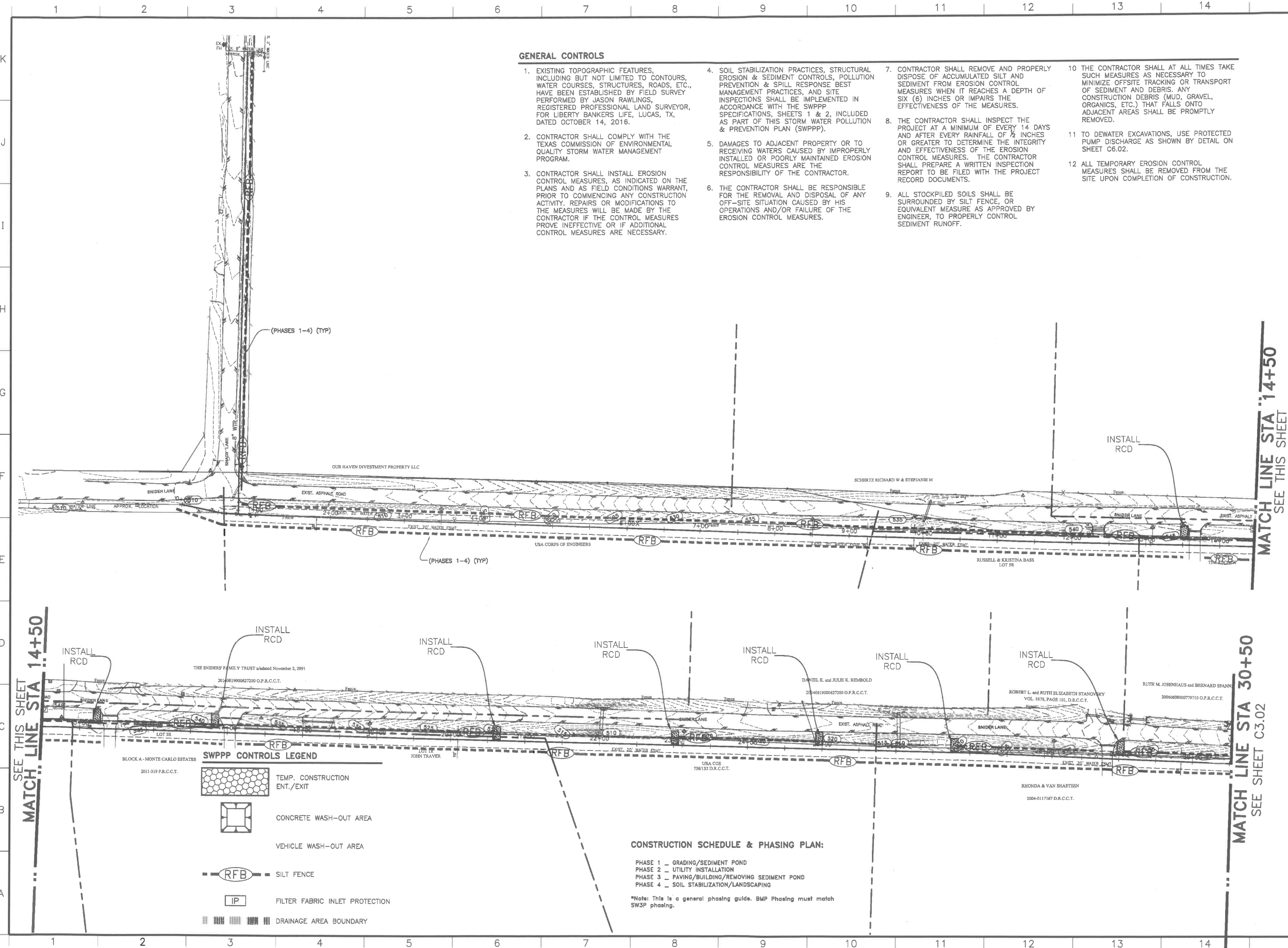
1. SEE NOTES SHEET C2.01

LEGEND

	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	PROPOSED WATER LINE
	PROPOSED FIRE HYDRANT
	PROPOSED GATE VALVE
	EXISTING GATE VALVE

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NO. REVISIONS / SUBMISSIONS									DATE
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		<div><div>04080</div><div>Scale: 1" = 40'</div></div>							
 <div>Ion Design Group</div>		<div>7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph</div>							
JOB NAME WATER SYSTEM IMPROVEMENT SNIDER LANE CITY OF LUCAS, COLLIN COUNTY, TEXAS									
DRAWING TITLE C2.04 WATER LINE SH 4									
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LAYOUT: C3.01 SW3P CONTROL PLAN PLOTTED: Friday, August 25, 2017 4:13:02 PM BY: BRYAN-USA PLOT SCALE: 1:1 SAVED: 2/22/2017 12:11PM BY: FRANCISCO Z:\PROJECTS\2803.00 LBL LUGAS WATER LINE\DRAWINGS\C3.01 SW3P Cntl PLANNING



GENERAL CONTROLS

1. EXISTING TOPOGRAPHIC FEATURES, INCLUDING BUT NOT LIMITED TO CONTOURS, WATER COURSES, STRUCTURES, ROADS, ETC., HAVE BEEN ESTABLISHED BY FIELD SURVEY PERFORMED BY JASON RAWLINGS, REGISTERED PROFESSIONAL LAND SURVEYOR, FOR LIBERTY BANKERS LIFE, LUGAS, TX, DATED OCTOBER 14, 2016.
2. CONTRACTOR SHALL COMPLY WITH THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY STORM WATER MANAGEMENT PROGRAM.
3. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES, AS INDICATED ON THE PLANS AND AS FIELD CONDITIONS WARRANT, PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY. REPAIRS OR MODIFICATIONS TO THE MEASURES WILL BE MADE BY THE CONTRACTOR IF THE CONTROL MEASURES PROVE INEFFECTIVE OR IF ADDITIONAL CONTROL MEASURES ARE NECESSARY.
4. SOIL STABILIZATION PRACTICES, STRUCTURAL EROSION & SEDIMENT CONTROLS, POLLUTION PREVENTION & SPILL RESPONSE BEST MANAGEMENT PRACTICES, AND SITE INSPECTIONS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE SWPPP SPECIFICATIONS, SHEETS 1 & 2, INCLUDED AS PART OF THIS STORM WATER POLLUTION & PREVENTION PLAN (SWPPP).
5. DAMAGES TO ADJACENT PROPERTY OR TO RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY OFF-SITE SITUATION CAUSED BY HIS OPERATIONS AND/OR FAILURE OF THE EROSION CONTROL MEASURES.
7. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND SEDIMENT FROM EROSION CONTROL MEASURES WHEN IT REACHES A DEPTH OF SIX (6) INCHES OR IMPAIRS THE EFFECTIVENESS OF THE MEASURES.
8. THE CONTRACTOR SHALL INSPECT THE PROJECT AT A MINIMUM OF EVERY 14 DAYS AND AFTER EVERY RAINFALL OF 1/2 INCHES OR GREATER TO DETERMINE THE INTEGRITY AND EFFECTIVENESS OF THE EROSION CONTROL MEASURES. THE CONTRACTOR SHALL PREPARE A WRITTEN INSPECTION REPORT TO BE FILED WITH THE PROJECT RECORD DOCUMENTS.
9. ALL STOCKPILED SOILS SHALL BE SURROUNDED BY SILT FENCE, OR EQUIVALENT MEASURE AS APPROVED BY ENGINEER, TO PROPERLY CONTROL SEDIMENT RUNOFF.
10. THE CONTRACTOR SHALL AT ALL TIMES TAKE SUCH MEASURES AS NECESSARY TO MINIMIZE OFFSITE TRACKING OR TRANSPORT OF SEDIMENT AND DEBRIS. ANY CONSTRUCTION DEBRIS (MUD, GRAVEL, ORGANICS, ETC.) THAT FALLS ONTO ADJACENT AREAS SHALL BE PROMPTLY REMOVED.
11. TO DEWATER EXCAVATIONS, USE PROTECTED PUMP DISCHARGE AS SHOWN BY DETAIL ON SHEET C6.02.
12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED FROM THE SITE UPON COMPLETION OF CONSTRUCTION.

!! CAUTION !!

UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA.
1-800-DIG-TESS
(1-800-344-8377)
WWW.DIGTESS.ORG

SPECIFIC CONTROLS

13. INSTALL REINFORCED FILTER FABRIC FENCE AROUND PERIMETER OF WORK AREA. FILTER FABRIC FENCE SHALL REPRESENT THE LIMITS OF DISTURBED AREA. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED.
14. INSTALL & MAINTAIN ROCK-STABILIZED CONSTRUCTION EXIT. REMOVE WHEN PAVING THROUGHOUT PROJECT IS IN PLACE AND PROJECT IS COMPLETE.
15. INSTALL & MAINTAIN ROCK FILTER OUTLET WHERE SILT FENCE IS SUBJECT TO CONCENTRATED FLOWS. EMBED SILT FENCE INTO ROCK FILTER & ENSURE THERE IS NO GAP BETWEEN FENCE AND FILTER. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED.
16. INLET PROTECTION:
 - A. INSTALL & MAINTAIN INLET SEDIMENT TRAPS DURING EARTHWORK, UNTIL EARTHWORK HAS ACHIEVED ROUGH GRADES.
 - B. INSTALL & MAINTAIN INLET PROTECTION AFTER EARTHWORK HAS ACHIEVED ROUGH GRADES, AND AFTER PAVING WORK HAS BEEN COMPLETED. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED.
17. INSTALL & MAINTAIN CONCRETE WASH-OUT AREA NEAR CONSTRUCTION EXITS. DUMP EXCESS CONCRETE AND RISE CONCRETE MIX TRUCKS AT CONCRETE WASH-OUT AREAS. PRIOR TO MIX TRUCKS EXITING SITE, REMOVE WHEN ALL CONCRETE WORK HAS BEEN COMPLETED.
18. INSTALL & MAINTAIN VEHICLE WASH-OUT AREA NEAR CONSTRUCTION EXITS. REMOVE WHEN ALL OTHER PAVING IS COMPLETE.

NOTES

CONTRACTOR SHALL CALL THE DEPARTMENT OF PUBLIC WORKS AT (972) 912-1206 FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET RIGHT-OF-WAY.

LEGEND

---	EXISTING SANITARY SEWER LINE
---	EXISTING WATER LINE
---	EXISTING STORM SEWER LINE
---	PROPOSED SANITARY SEWER LINE
---	PROPOSED WATER LINE
---	PROPOSED STORM SEWER LINE
---	PROPOSED SANITARY MANHOLE
---	PROPOSED FIRE HYDRANT
---	PROPOSED GATE VALVE

NO.	REVISIONS / SUBMISSIONS	DATE
1	ISSUED FOR PERMIT	08/25/2017
2	REVISED PER COMMENTS	09/01/2017
3	REVISED PER COMMENTS	09/01/2017
4	REVISED PER COMMENTS	09/01/2017
5	REVISED PER COMMENTS	09/01/2017
6	REVISED PER COMMENTS	09/01/2017
7	REVISED PER COMMENTS	09/01/2017
8	REVISED PER COMMENTS	09/01/2017
9	REVISED PER COMMENTS	09/01/2017
10	REVISED PER COMMENTS	09/01/2017
11	REVISED PER COMMENTS	09/01/2017
12	REVISED PER COMMENTS	09/01/2017
13	REVISED PER COMMENTS	09/01/2017
14	REVISED PER COMMENTS	09/01/2017
15	REVISED PER COMMENTS	09/01/2017
16	REVISED PER COMMENTS	09/01/2017
17	REVISED PER COMMENTS	09/01/2017
18	REVISED PER COMMENTS	09/01/2017
19	REVISED PER COMMENTS	09/01/2017
20	REVISED PER COMMENTS	09/01/2017

Ion Design Group
7075 Twin Hills Ave
Suite 350
Dallas, Texas 75231
Firm TX F6701
214.370.3470 Ph

JOB NAME: **WATER SYSTEM IMPROVEMENT**
SNIDER LANE
CITY OF LUGAS, COLLIN COUNTY, TEXAS

C3.01 SW3P CONTROL PLAN

SEAL	DRAWN	SCALE
CHECKED	FM	H: 1" = 40'
REVIEWED	JT	FILENAME
DATE	BK	C3.01 SW3P CONTROL PLAN
10.03.2016		DRAWING NO.
2803.000		C3.01
		PROJECT NO.
		2803.000
		08 of 13

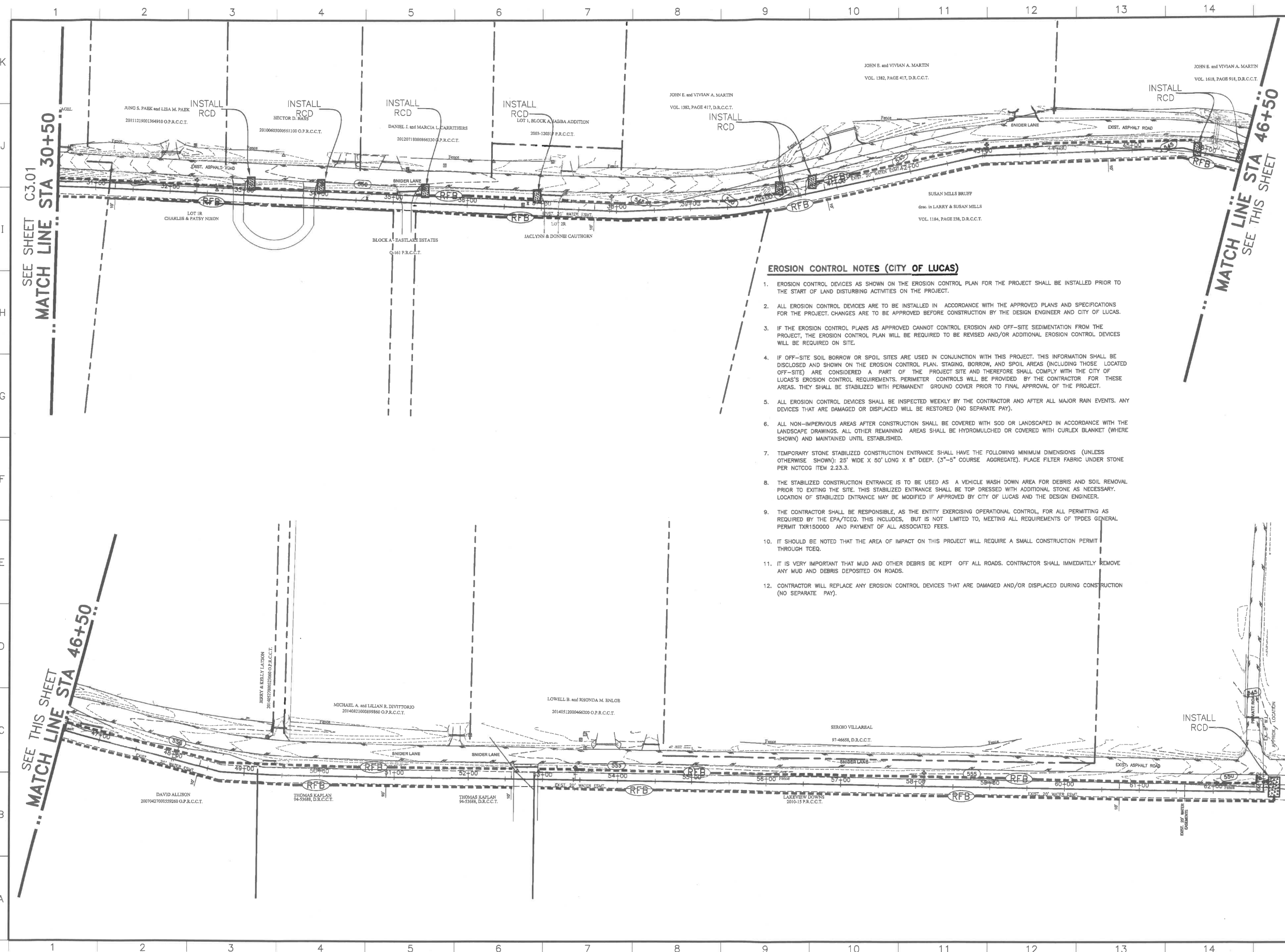
CONSTRUCTION SCHEDULE & PHASING PLAN:

- PHASE 1 - GRADING/SEDIMENT POND
- PHASE 2 - UTILITY INSTALLATION
- PHASE 3 - PAVING/BUILDING/REMOVING SEDIMENT POND
- PHASE 4 - SOIL STABILIZATION/LANDSCAPING

*Note: This is a general phasing guide. BMP Phasing must match SW3P phasing.

The seal appearing on this document was authorized by JASON TRAFTON, P.E., on 08.16.2017 alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

LAYOUT: C3.02 SW3P CONTROL PLAN PLOTTED: Friday, August 25, 2017 4:13:05 PM BY: BRYAN-TSA PLOT SCALE: 1" SWED: 2/22/2017 12:11PM BY: FRANCISCO Z:\PROJECTS\2803.00 LBL LUCAS WATER LINE\DRAWINGS\C3.01 SW3P ONT PLANDWG



EROSION CONTROL NOTES (CITY OF LUCAS)

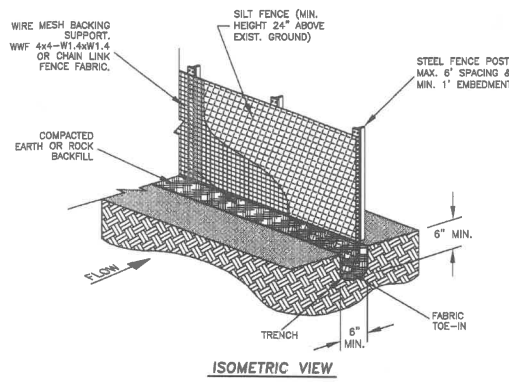
1. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND CITY OF LUCAS.
3. IF THE EROSION CONTROL PLANS AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
4. 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. STAGING, BORROW, AND SPOIL AREAS (INCLUDING THOSE LOCATED OFF-SITE) ARE CONSIDERED A PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH THE CITY OF LUCAS'S EROSION CONTROL REQUIREMENTS. PERIMETER CONTROLS WILL BE PROVIDED BY THE CONTRACTOR FOR THESE AREAS. THEY SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND AFTER ALL MAJOR RAIN EVENTS. ANY DEVICES THAT ARE DAMAGED OR DISPLACED WILL BE RESTORED (NO SEPARATE PAY).
6. ALL NON-IMPERVIOUS AREAS AFTER CONSTRUCTION SHALL BE COVERED WITH SOD OR LANDSCAPED IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS. ALL OTHER REMAINING AREAS SHALL BE HYDROMULCHED OR COVERED WITH CURLEX BLANKET (WHERE SHOWN) AND MAINTAINED UNTIL ESTABLISHED.
7. TEMPORARY STONE STABILIZED CONSTRUCTION ENTRANCE SHALL HAVE THE FOLLOWING MINIMUM DIMENSIONS (UNLESS OTHERWISE SHOWN): 25' WIDE X 50' LONG X 8" DEEP, (3"-5" COURSE AGGREGATE). PLACE FILTER FABRIC UNDER STONE PER NCTCOG ITEM 2.23.3.
8. THE STABILIZED CONSTRUCTION ENTRANCE IS TO BE USED AS A VEHICLE WASH DOWN AREA FOR DEBRIS AND SOIL REMOVAL PRIOR TO EXITING THE SITE. THIS STABILIZED ENTRANCE SHALL BE TOP DRESSED WITH ADDITIONAL STONE AS NECESSARY. LOCATION OF STABILIZED ENTRANCE MAY BE MODIFIED IF APPROVED BY CITY OF LUCAS AND THE DESIGN ENGINEER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE, AS THE ENTITY EXERCISING OPERATIONAL CONTROL, FOR ALL PERMITTING AS REQUIRED BY THE EPA/TCEQ. THIS INCLUDES, BUT IS NOT LIMITED TO, MEETING ALL REQUIREMENTS OF TPDES GENERAL PERMIT TXR150000 AND PAYMENT OF ALL ASSOCIATED FEES.
10. IT SHOULD BE NOTED THAT THE AREA OF IMPACT ON THIS PROJECT WILL REQUIRE A SMALL CONSTRUCTION PERMIT THROUGH TCEQ.
11. IT IS VERY IMPORTANT THAT MUD AND OTHER DEBRIS BE KEPT OFF ALL ROADS. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY MUD AND DEBRIS DEPOSITED ON ROADS.
12. CONTRACTOR WILL REPLACE ANY EROSION CONTROL DEVICES THAT ARE DAMAGED AND/OR DISPLACED DURING CONSTRUCTION (NO SEPARATE PAY).

!! CAUTION !!
UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA.
1-800-DIG-TESS
(1-800-344-8377)
WWW.DIGTESS.ORG

LEGEND

	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM SEWER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM SEWER LINE
	PROPOSED SANITARY MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED GATE VALVE

NO. REVISIONS / SUBMISSIONS		DATE
MM.DD.YYYY		
0 60 120 Scale: 1" = 60'		
7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph		
JOB NAME WATER SYSTEM IMPROVEMENT		
SNIDER LANE		
CITY OF LUCAS, COLLIN COUNTY, TEXAS		
DRAWING TITLE C3.02 SW3P CONTROL PLAN		
SEAL	DRAWN	SCALE
	FM	H: 1" = 40'
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	JT	C3.02 SW3P CONTROL PLAN
	REVIEWED	DRAWING NO.
	BK	C3.02
DATE	PROJECT NO.	09 of 13
10.03.2018	2803.000	

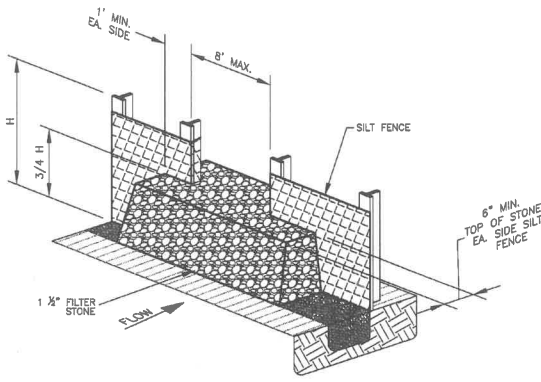


SILT FENCE GENERAL NOTES

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6" DEEP AND 8" WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

A SILT CONTROL FENCE INSTALLATION
Scale: NTS

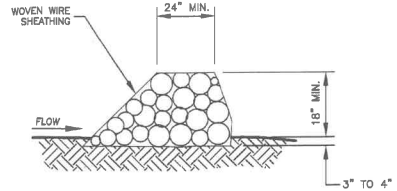
(RFB)



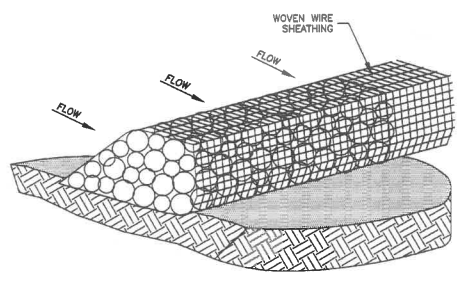
ISOMETRIC VIEW

B ROCK FILTER OUTLET
Scale: NTS

(RFO)



CROSS SECTION



ISOMETRIC VIEW

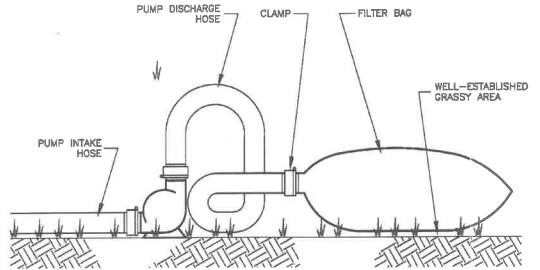
E ROCK CHECK DAM
Scale: NTS

(RCD)

ROCK CHECK DAM GENERAL NOTES

- USE ONLY OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
- THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
- THE ROCK BERM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
- ROCK BERM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.

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1-800-DIG-TESS
(1-800-344-6377)
WWW.DIGTESS.ORG

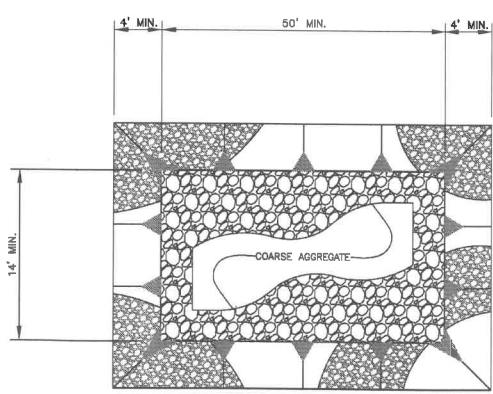


PROTECTED PUMP DISCHARGE GENERAL NOTES

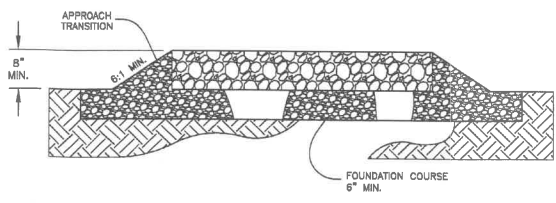
- FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE SDWN WITH HIGH STRENGTH, DOUBLE-STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
- BAGS SHALL BE LOCATED IN A WELL-ESTABLISHED GRASSY AREA, AND DISCHARGE ONTO STABLE, EROSION-RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MFOR AND SECURELY CLAMPED.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE PUMP MFOR, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY WHEN PUMPING OCCURS. IF ANY PROBLEM IS DETECTED, PUMPING SHALL IMMEDIATELY CEASE AND SHALL NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

PROTECTED PUMP DISCHARGE
Scale: NTS

(PMP)



PLAN



SECTION

E ROCK-STABILIZED CONSTRUCTION EXIT
Scale: NTS

(RCX)

ROCK-STABILIZED CONSTRUCTION EXIT NOTES

- THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
- THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
- THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
- THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT CONTROL DEVICE.
- VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC ROADWAY. WASHING SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING TO A SEDIMENT CONTROL DEVICE, AND AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.

LIBERTY BANKERS LIFE
1605 LBJ Freeway.
Ste. 710
Dallas, TX 75234
Phone: 469.522.4458

Construction Site SWPPP Compliance Inspection Report

Project Name: _____ Project No.: _____
Contractor: _____ Date of Inspection: _____
Inspection Conducted by: _____
Qualifications of the Inspector: _____
Report prepared by: (Circle One) Contractor Owner
Type of Inspection: (Circle One) 7 Day Inspection 14 Day Inspection After-Rain Event Inspection

Inspection Issue	Y	N	N/A	Comments
Are copies of inspection reports included with the SWPPP?				
Is an NPDES permit, for all permittees, posted at the construction entrance?				
Is a copy of the SWPPP Certification with the SWPPP?				
Are there any signs of discharge leaving the site?				
Any BMP's in need of repair and/or maintenance?				
Are all BMP's functioning as intended?				
Any additional BMP's required?				
Are stabilized entrance / exits preventing street contamination?				
Are any hazardous materials being exposed to storm water runoff?				
Have there been any reportable spills of hazardous materials?				
If SWPPP controls or practices have been modified, has the SWPPP been updated?				
Have all areas of the site not covered by impervious materials achieved the required coverage?				
Are all soil-disturbing activities complete?				
Has a Notice of Termination (NOT) been filed?				

LIBERTY BANKERS LIFE
1605 LBJ Freeway.
Ste. 710
Dallas, TX 75234
Phone: 469.522.4458

Construction Site SWPPP Compliance Inspection Report

Project Name: _____ Project No.: _____
Contractor: _____ Date of Inspection: _____
NOTE: All items of non-compliance shall be repaired/installed within seven (7) calendar days of inspection. Repairs/installation shall be completed immediately, if storm conditions are imminent.

Note incidents of non-compliance: _____

"I, _____, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: _____ Date: _____
Printed Name: _____
Title: _____

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7075 Twin Hills Ave
Suite 350
Dallas, Texas 75231
Firm TX F6701
214.370.3470 Ph

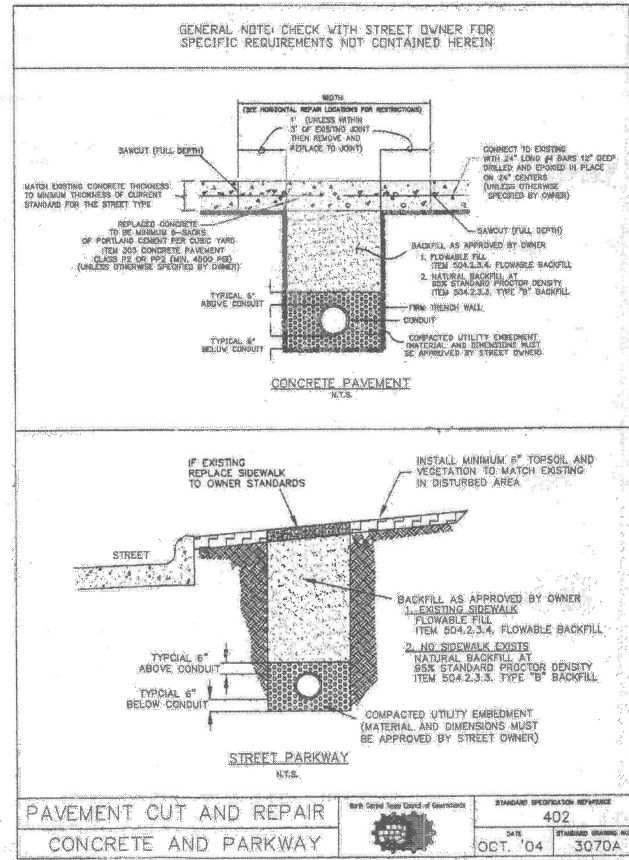
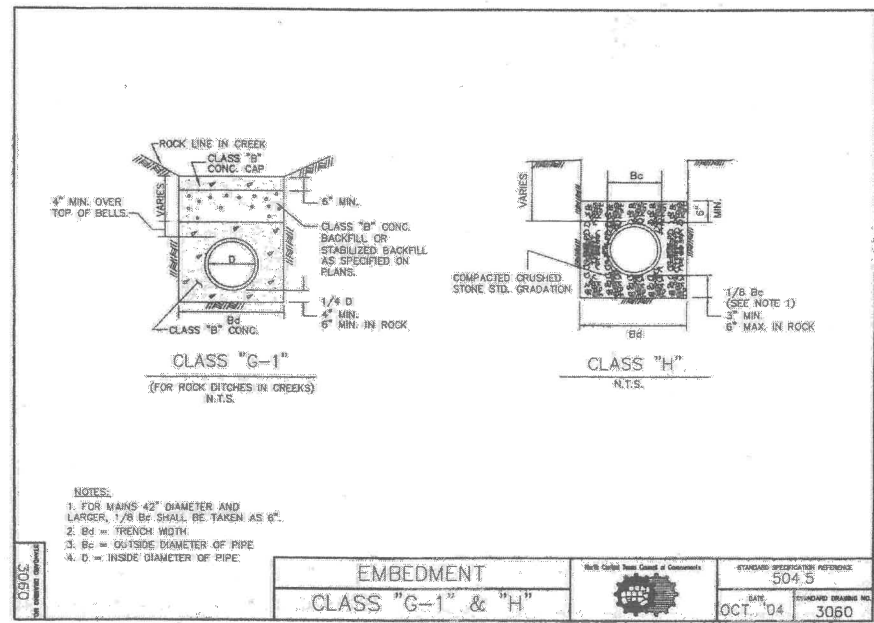
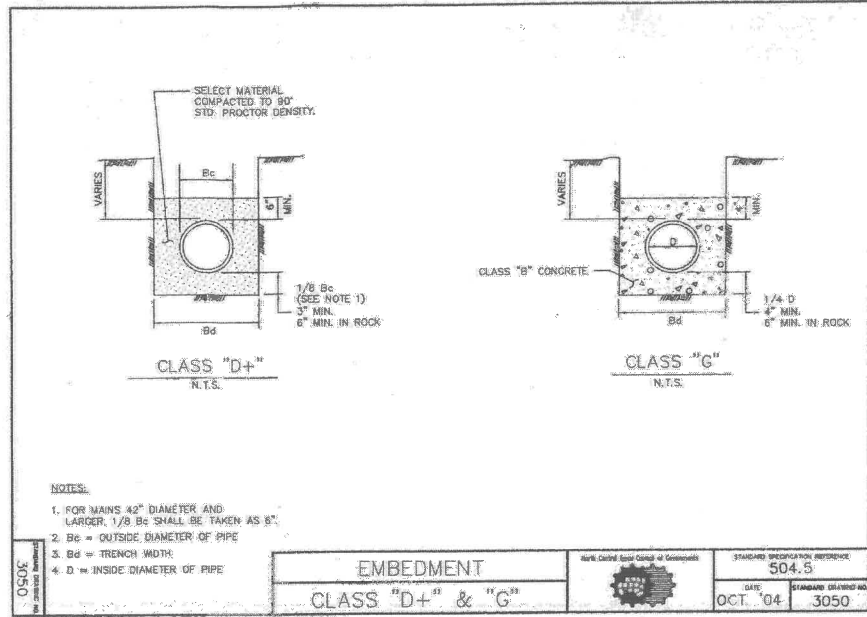
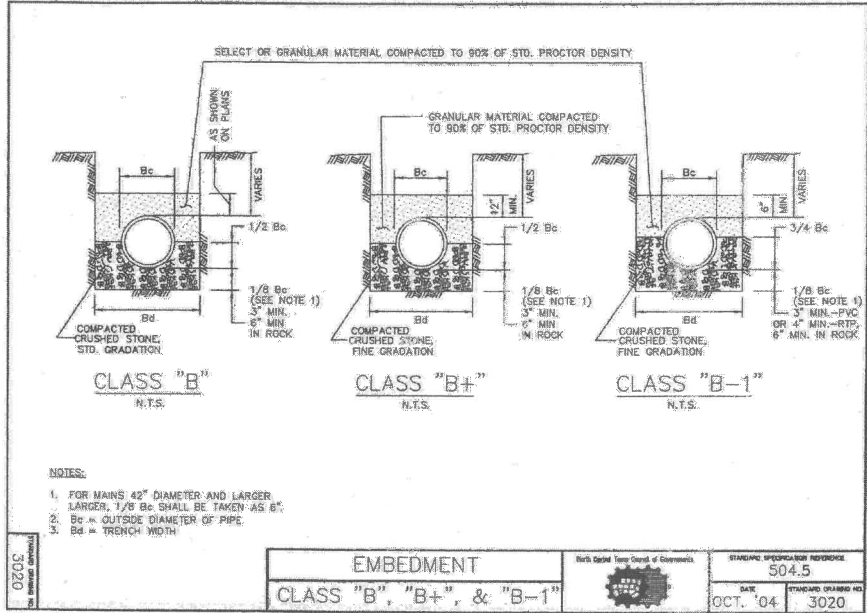
WATER SYSTEM IMPROVEMENT SNIDER LANE
CITY OF LUGAS, COLLIN COUNTY, TEXAS

C3.03 SW3P DETAILS

SEAL:
DRAWN: FM
CHECKED: JT
REVIEWED: BK
DATE: 01.16.2017
PROJECT NO.: 2803.000

SCALE: _____
FILENAME: C3.03 SW3P DETAILS
DRAWING NO.: _____
C3.03
10 of 13

!! CAUTION !!
UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE.
AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE
TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL
UNDERGROUND UTILITIES IN THE AREA.
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(1-800-344-8377)
WWW.DIGTESS.ORG



BENCHMARKS

BM #1
Cross cut on the southwest corner of an inlet on the southerly right-of-way line of Wittington Place, 480' westerly from the center of Chartwell Drive.
N: 7019962.269 E: 2453438.916 EL: 429.42

BM #2
Cross cut on the southeast corner of an inlet on the easterly right-of-way line of Luna Road, 510' southerly from the center of Mercer Parkway.
N: 7018165.770 E: 2452183.369 EL: 431.31

NO.	REVISIONS / SUBMISSIONS	DATE
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Ion Design Group

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Suite 350
Dallas, Texas 75231
Firm TX F6701
214.370.3470 Ph

WATER SYSTEM IMPROVEMENT

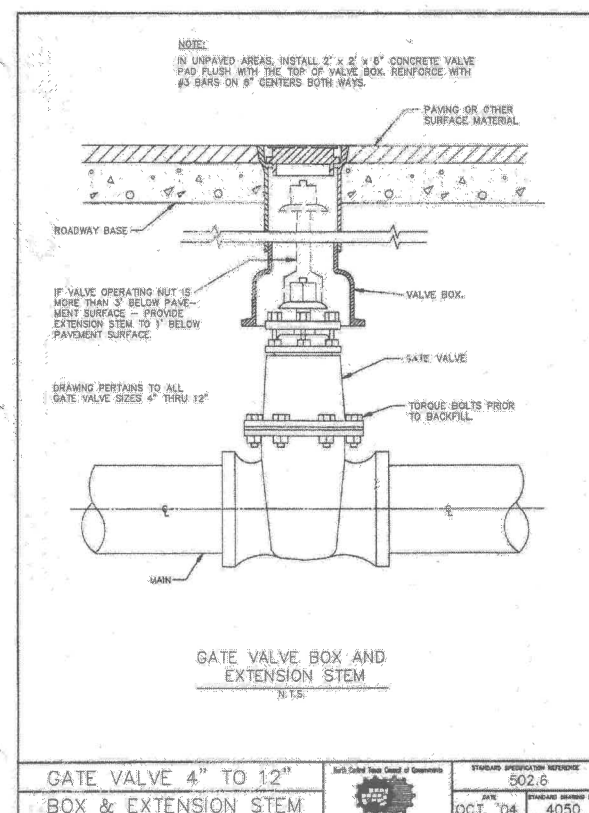
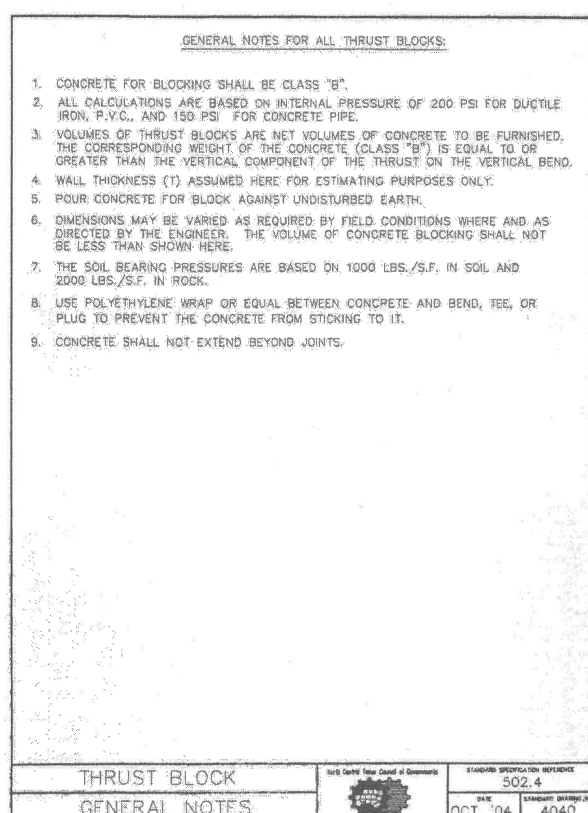
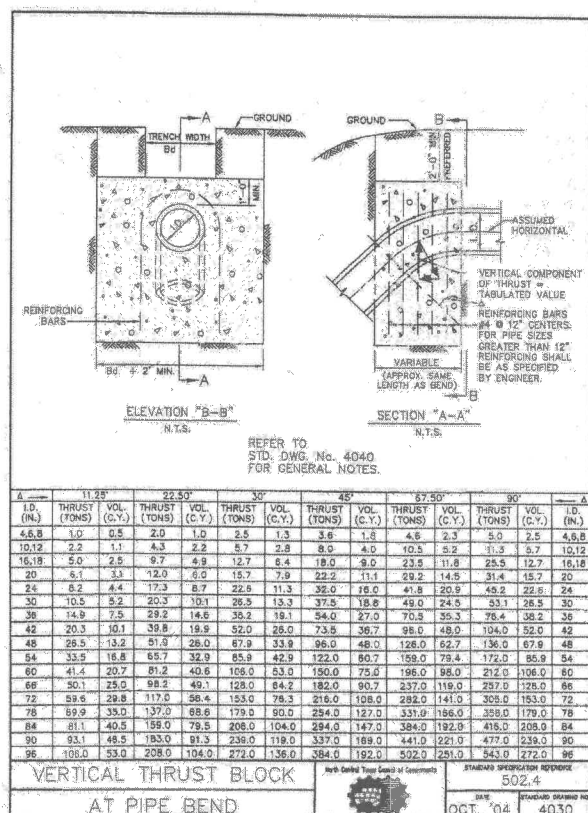
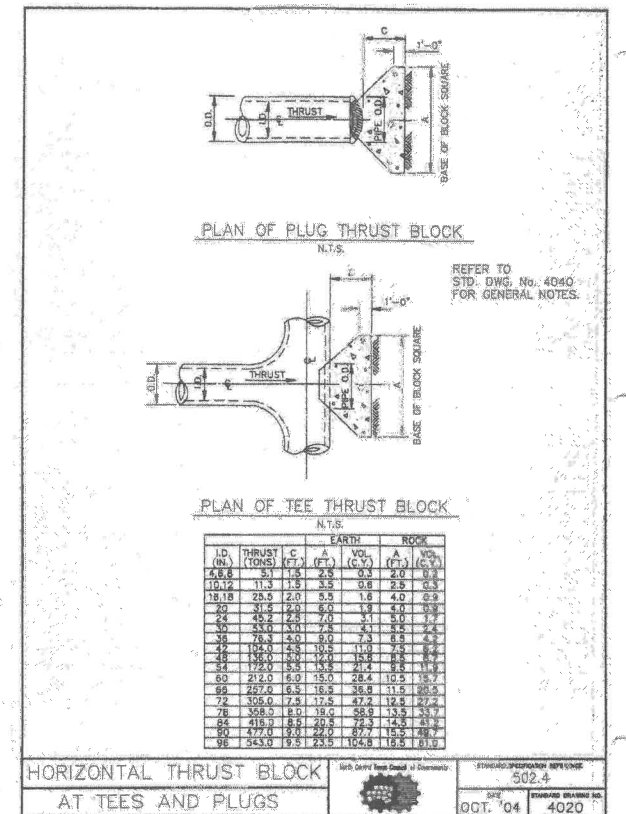
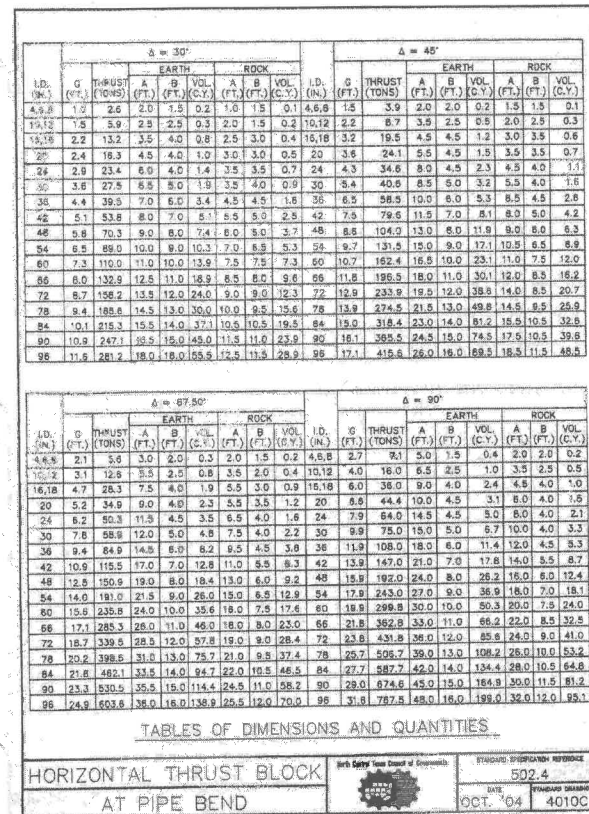
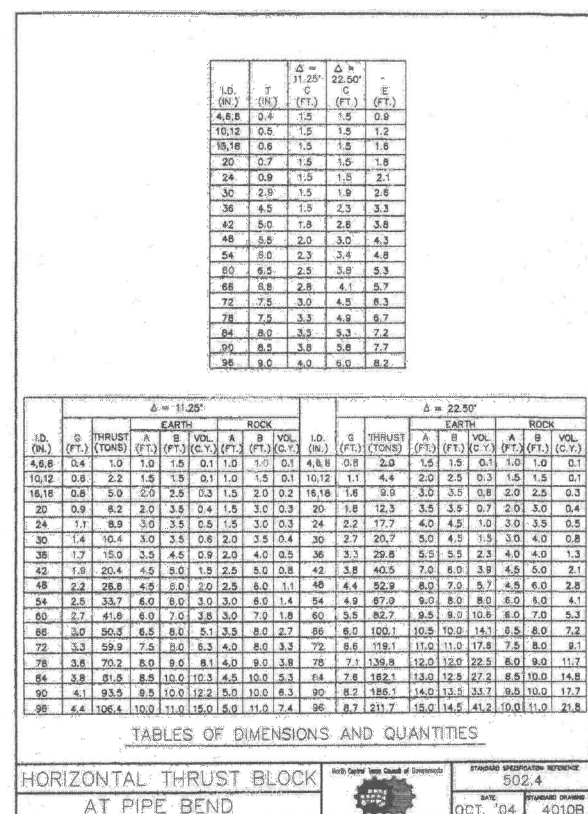
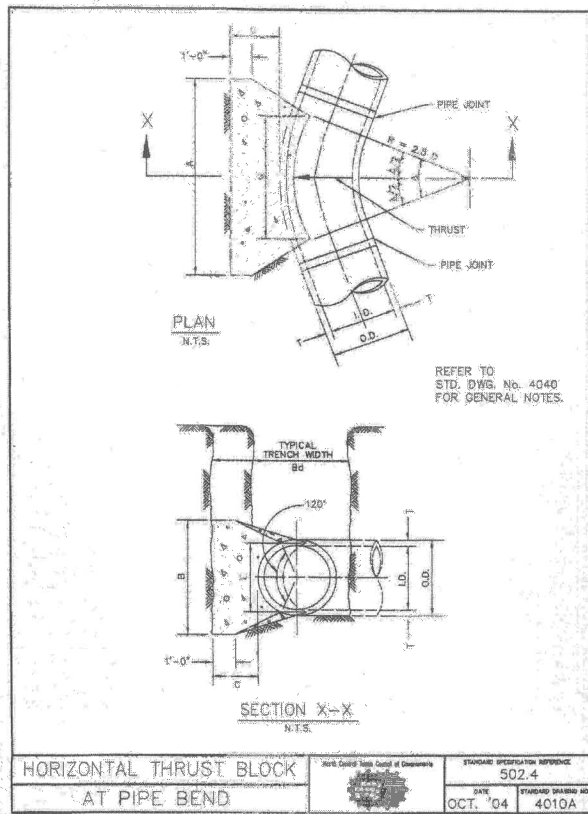
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C4.01 STD DETAILS

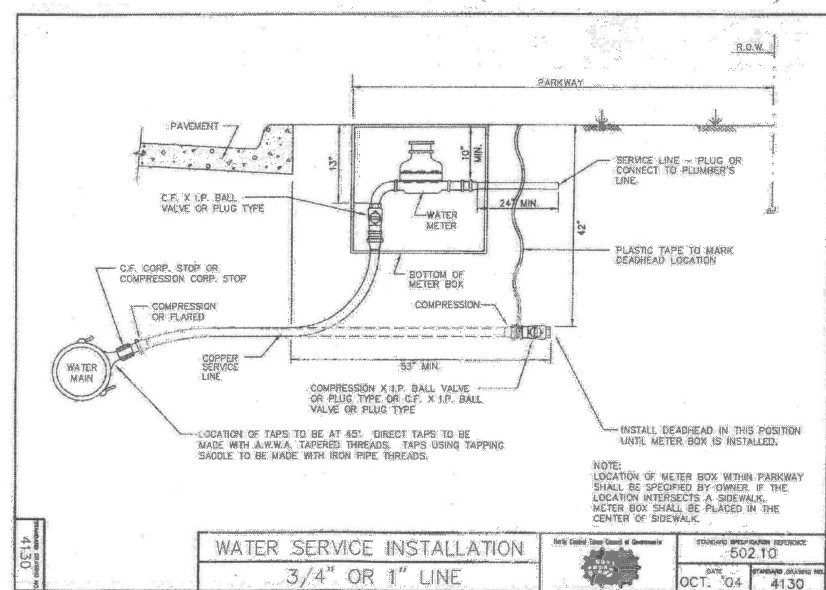
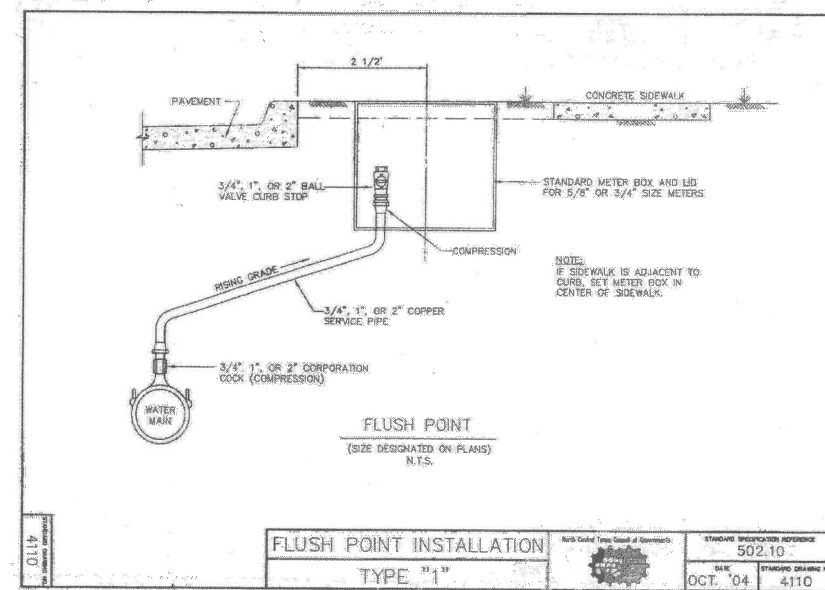
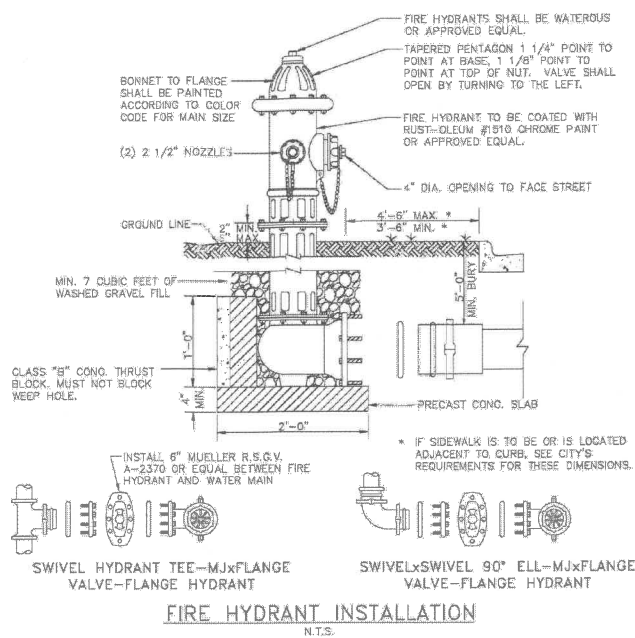
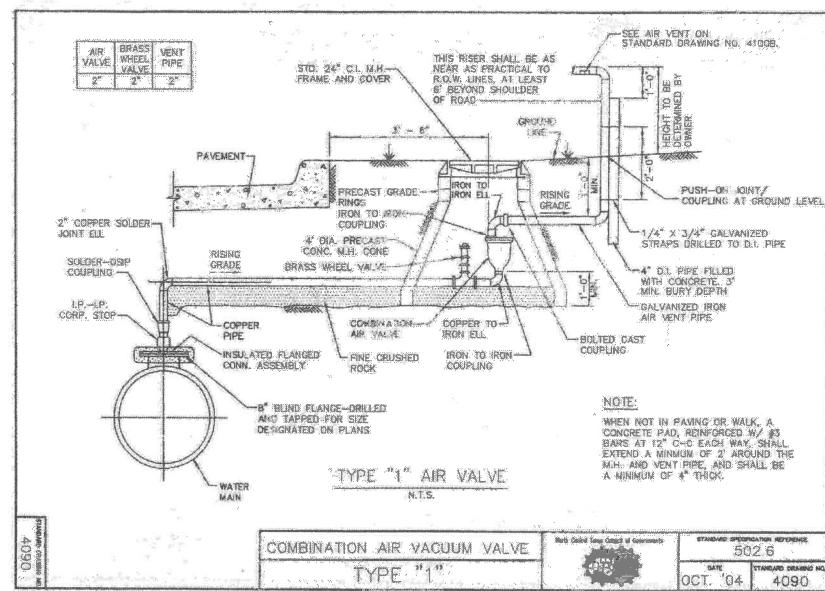
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!! CAUTION !!
UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE.
AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE
TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL
UNDERGROUND UTILITIES IN THE AREA.
1-800-DIG-TESS
(1-800-344-8377)
WWW.DIGTESS.ORG



NO. REVISIONS / SUBMISSIONS		DATE
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7075 Twin Hills Ave Suite 360 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph		
JOB NAME WATER SYSTEM IMPROVEMENT		
DRAWING TITLE SNIDER LANE		
CITY OF LUCAS, COLLIN COUNTY, TEXAS		
C4.03 STD DETAILS		
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	REVIEWED	JT
	DATE	BK
	PROJECT NO.	
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C4.03		
13 of 13		

UNIQUE: C4.03 STD DETAILS, PLOTTER: E4409, August 25, 2017 4:19:07 PM BY: BRIAN-ISA, PLOT SCALE: 1:1, SAVED: 8/23/2017 4:27PM BY: FRANCISCO ZA, PROJECT: 2803.000 LBN LUCAS WATER UTILITY IMPROVEMENTS C4.03 STD DETAILS.DWG