CONTACT INFORMATION

NAME OF MUNICIPALITY ENGINEERING DEPT. -BEN O'DOWD, PE 229-259-3530 **UTILITIES DEPT. JASON BARNES** 229-259-3592

CIVIL DESIGNER - MACK DAVIS, EIT PROJECT ENGINEER - CLAYTON MILLIGAN, PE PRINCIPAL-IN-CHARGE - JEFF LOVELL, PE

24-HOUR CONTACT

NAME TITLE **ADDRESS** PHONE #

CONTRACTOR SHALL SCHEDULE AN EROSION CONTROL INSPECTION WITH THE DESIGN PROFESSIONAL WITHIN 7 DAYS OF BEGINNING CONSTRUCTION.

NOT FOR CONSTRUCTION UNLESS SIGNED BY CITY ENGINEER OR AUTHORIZED REPRESENTATIVE.

SIGNED	
DATE	



GA CORP#0419099 • FL CORP#F04000002135 P.O. Box 2830 - 3998 Inner Perimeter Road - Valdosta, GA 31604 Telephone: 229-253-0900 = Fax: 229-253-1842 = E-mail: lea@lea-pc.com

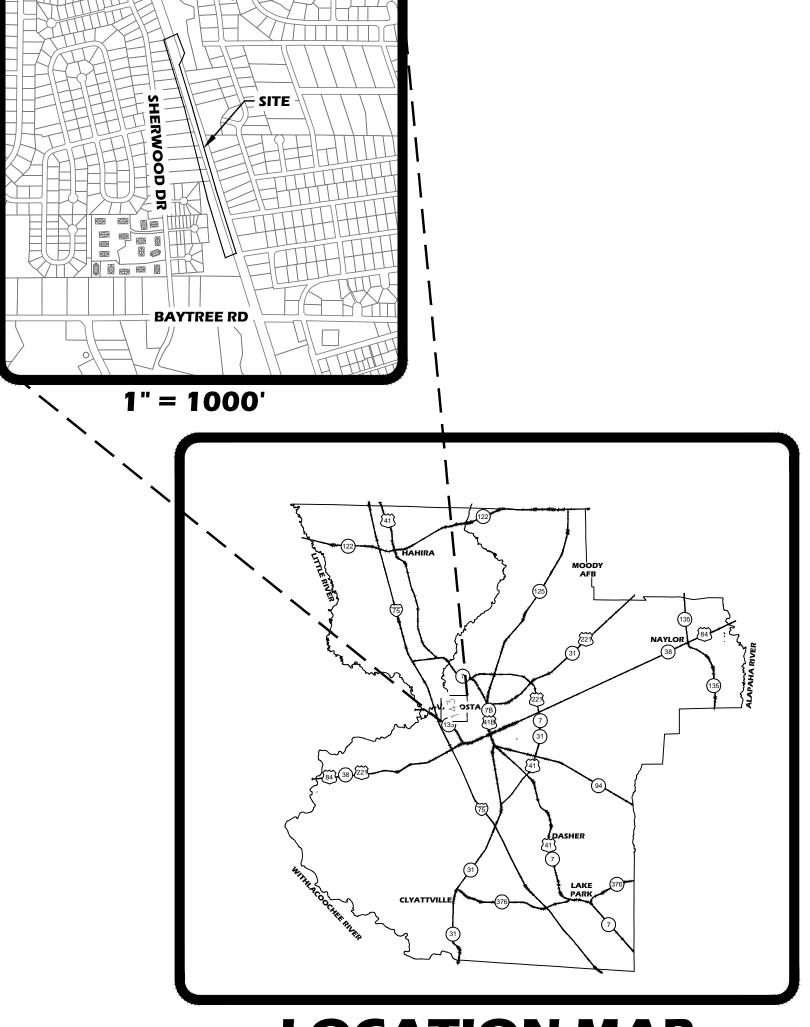
SUGAR CREEK SEWER REPAIR

FOR

VALDOSTA

A City Without Limits

LEA PROJECT NUMBER 0026-50 SUBMITTAL DATE: DATE 10, 2025 VALDOSTA, GEORGIA



LOCATION MAP N.T.S.

DRAWING INDEX

DESCRIPTION

LEGEND

GAS LINE WATER LINE

SEWER LINE FORCE MAIN

CONTOUR

STORM PIPE

EASEMENT

FENCE SPOT ELEV.

PROPERTY LINE

FLOW ARROW FIRE HYDRANT WATER VALVE

WATER METER

CLEANOUT

UTILITY POLE GAS VALVE MAILBOX

WATER SERVICE

SEWER MANHOLE STORM CATCHBASIN

STORM GRATE INLET STORM HEADWALL FLARED END SECTION

OVERHEAD POWER UNDERGROUND POWER

RIGHT-OF-WAY LINE

UNDERGROUND CABLE

WATER FIRE DEPARTMENT

WS

COVER **EXISTING CONDITIONS/DEMO PLAN**

PLAN & PROFILE **UTILITY DETAILS**



GA CORP# 0419099 FL CORP# F04000002135 P.O. Box 2830 3998 Inner Perimeter Road Valdosta, GA 31604 Telephone: 229-253-0900 Fax: 229-253-1842 E-mail: lea@lea-pc.com

SUGAR CREEK SEWER REPAIR

LAND LOTS 14 OF THE 11TH LAND DISTRICT **LOWNDES COUNTY - STATE OF GEORGIA**

DATE DESCRIPTION



Know what's **below**. **Call** before you dig.

IF YOU DIG GEORGIA... CALL US FIRST! **UTILITIES PROTECTION CENTER**

IT'S THE LAW www.gaupc.com

PROPOSED

_____ R/W _____

WM

WS

SCALE: N.T.S. **DESIGNED BY: CHECKED BY: MCM**

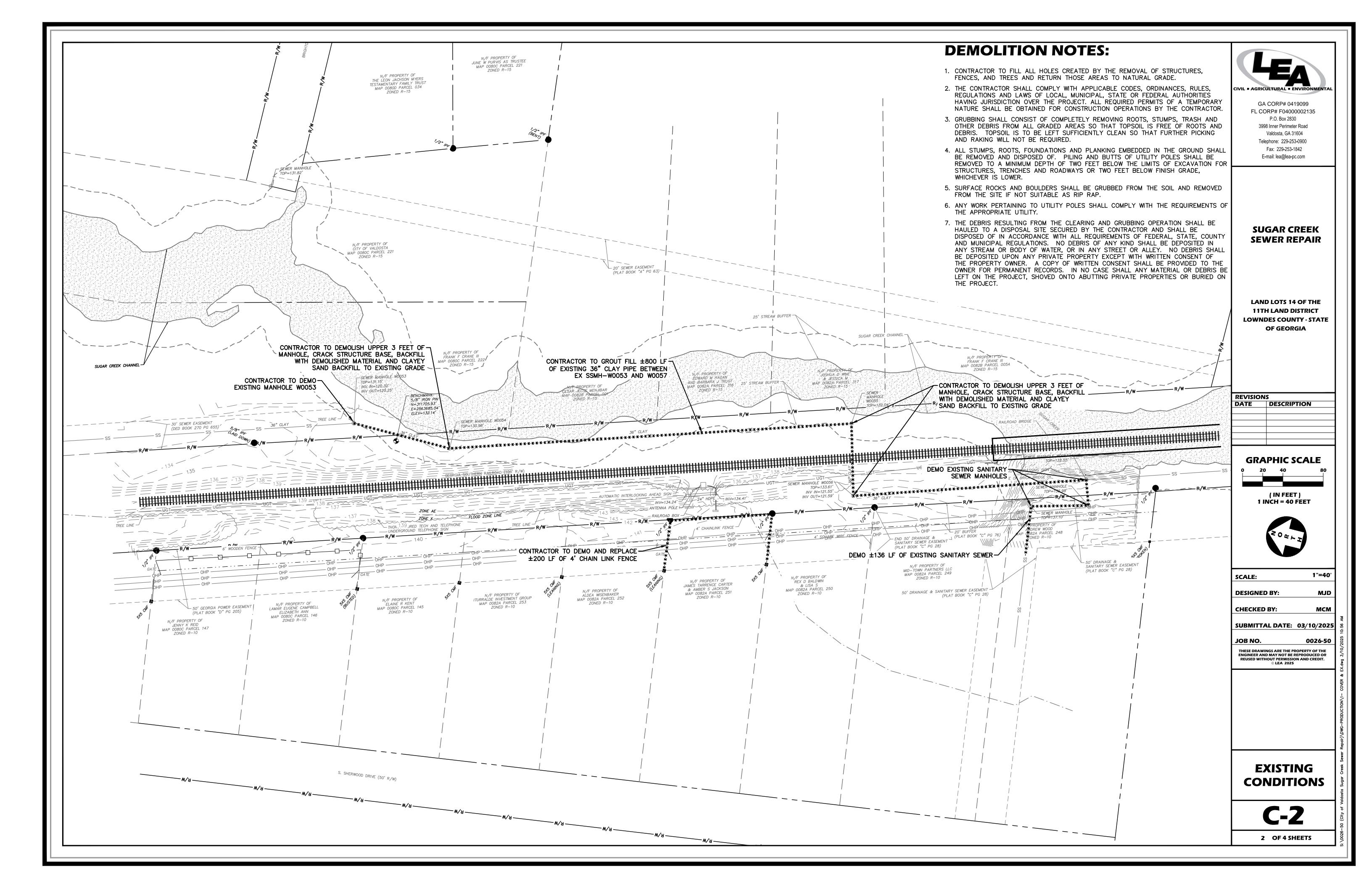
SUBMITTAL DATE: 03/10/2025

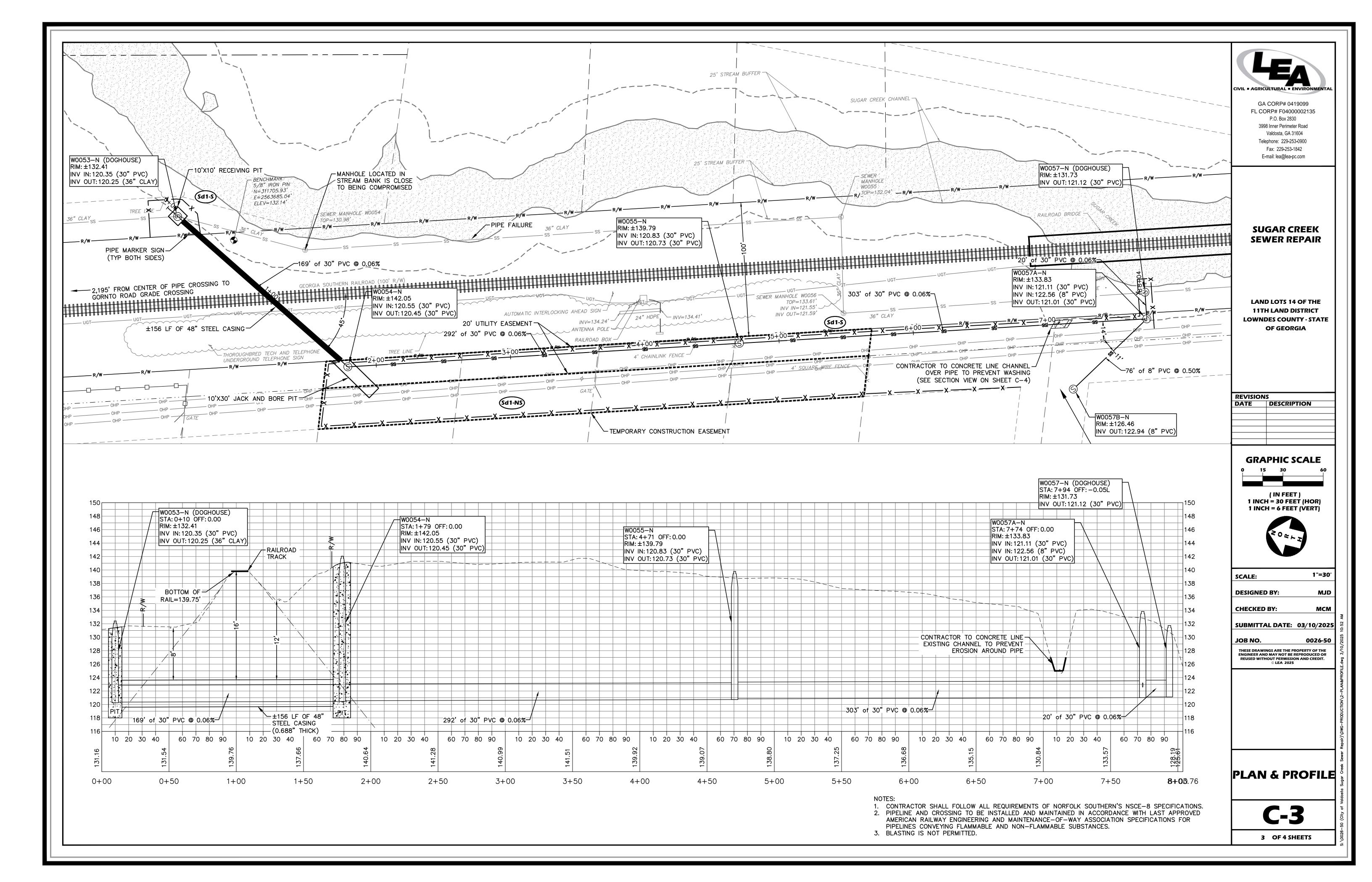
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COVER

C-1

1 OF 4 SHEETS





GENERAL CONSTRUCTION NOTES:

- REGULATIONS.
- 2. AN AS-BUILT SURVEY IS REQUIRED PER CITY OF VALDOSTA REQUIREMENTS.
- 3. WHILE WORKING WITHIN CITY OF VALDOSTA RIGHT OF WAY, EASEMENTS, OR ANY OTHER AREA WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING & GRUBBING AND THE REMOVAL OF ALL DEBRIS.
- CONTRACTOR SHALL HAVE ALL EROSION CONTROL MEASURES IN PLACE PRIOR TO CONSTRUCTION.
- 5. CONTRACTOR TO NOTIFY UTILITY PROTECTION CENTER A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
- 5. CONTRACTOR TO VERIFY ALL HORIZONTAL & VERTICAL LOCATIONS OF ALL EXISTING AND PROPOSED STRUCTURES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS IN THE PLANS PRIOR TO AND DURING CONSTRUCTION. FAILURE TO NOTIFY ENGINEER WILL RESULT IN CONTRACTOR RESPONSIBILITY TO REPAIR AT OWN EXPENSE.
- 8. CONTRACTOR RESPONSIBLE FOR ALL DAMAGED UTILITIES DURING CONSTRUCTION.
-). PEDESTRIAN AND LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAGGERS WILL BE PROVIDED AT CONTRACTOR
- 10. CONTRACTOR SHALL NOTIFY CITY OF VALDOSTA ENGINEERING DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
- 11. CONTRACTOR SHALL NOTIFY CITY OF VALDOSTA UTILITY DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO ANY CONNECTIONS TO THE CITY UTILITY SYSTEM.
- 12. CONTRACTOR TO PROVIDE ALL CONSTRUCTION STAKING.
- 13. A MINIMUM OF 18" OF VERTICAL AND 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL UTILITIES.
- 14. ALL EXTENSIONS AND ADDITIONS TO THE CITY OF VALDOSTA UTILITY SYSTEM WILL BE PERFORMED BY A GEORGIA LICENSED UTILITY CONTRACTOR.
- 15. ANY CROSS CONNECTION TO THE CITY OF VALDOSTA WATER SYSTEM IS PROHIBITED.
- 16. PRIOR TO PROJECT BIDDING, THE CONTRACTOR SHALL CLARIFY WITH THE OWNER/ENGINEER ANY DISCREPANCY THAT EXISTS BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONSTRUCTION DRAWINGS, AND/OR PROJECT SPECIFICATIONS, REGARDLESS OF ANY LANGUAGE IN THE CONTRACT DOCUMENTS, CONSTRUCTION DRAWINGS, AND/OR PROJECT SPECIFICATIONS THAT SUGGESTS ONE SUPERSEDES THE OTHER(S).

UTILITY CONSTRUCTION NOTES:

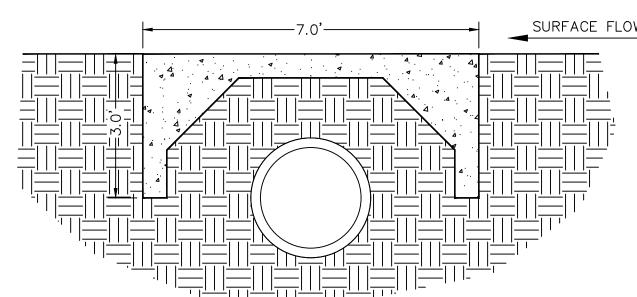
- THE CONTRACTOR SHALL PROVIDE AS-BUILTS AS REQUIRED BY THE MUNICIPALITY.
- 2. ALL SANITARY SEWER SERVICES SHALL BE TERMINATED AT THE R/W.
- 3. ALL WATER SERVICES SHALL BE TERMINATED AT THE R/W. 4. MINIMUM WATER SERVICE SIZE FOR LONG SIDE WATER SERVICES SHALL BE 1" AND

PURCHASE.

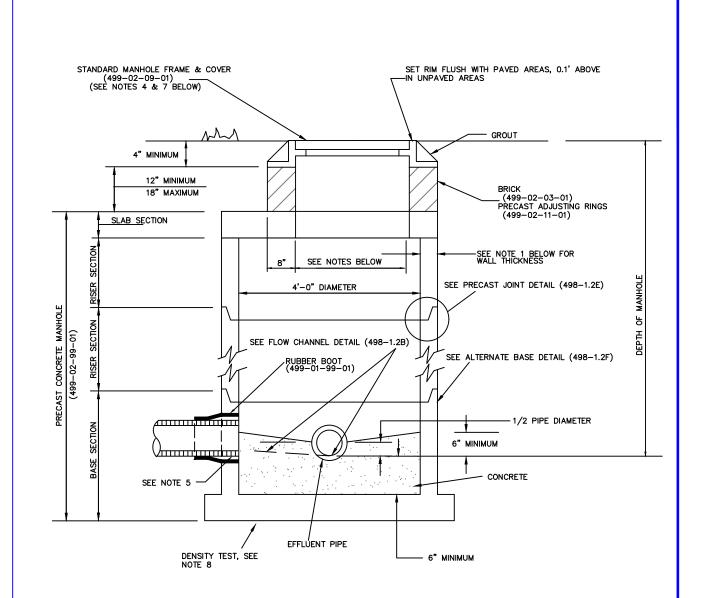
- SHORT SIDE WATER SERVICES SHALL BE 34". ALL RESIDENTIAL LOTS SHALL BE PROVIDED WITH A WATER AND SEWER SERVICE.
- ALL WATER AND SEWER PIPE MATERIALS SHALL COMPLY WITH THE LATEST CODES
- AND SPECIFICATIONS OF THE LOCAL MUNICIPALITY OR UTILITY AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE SUITABILITY OF PIPE MATERIALS WITH THE LOCAL MUNICIPALITY OR UTILITY AUTHORITY PRIOR TO
- THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS AND TEES PER DETAIL ON SHEET C-XX.
- THE CONTRACTOR SHALL VERIFY VERTICAL LOCATION OF ALL UTILITIES, EXISTING & PROPOSED, PRIOR TO INSTALLATION TO ENSURE NO CONFLICTS WILL OCCUR BETWEEN SANITARY AND STORM SEWER MAINS.
- 10. THE CONTRACTOR SHALL PRESSURE TEST AND CHLORINATE THE WATER MAIN USING THE MINIMUM GUIDELINES PROVIDED BY THE LOCAL MUNICIPALITY GOVERNING THIS
- 1. SAMPLING POINTS SHALL BE INSTALLED EVERY 1200' ON THE WATER MAIN. 12. ALL CLEANOUTS LOCATED NEAR BUILDINGS SHALL HAVE THEIR RIMS SET AT GROUND ELEVATION WITH A MINIMUM DEPTH TO INVERT OF 4' UNLESS NOTED OTHERWISE. PIPE SLOPES TO SEWER MAINS SHALL BE A MINIMUM OF 0.65%. WYE'S SHALL BE USED TO CONNECT SERVICE LINES TO THE MAIN AT SPECIFIED LOCATIONS.
- 13. ALL FORCE MAINS SHALL BE PRESSURE TESTED AT 100 PSI FOR TWO (2) HOURS.
- 14. ALL ELECTRICAL AND TELEPHONE LINES TO BE SIZED PER ELECTRIC COMPANY AND
- 15. THE CONTRACTOR SHALL VERIFY ALL EXISTING STORM STRUCTURE FLOW DIRECTIONS, HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.

TELEPHONE COMPANY STANDARDS TO ENSURE PROPER INSTALLATION.

- 16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONFLICTS OCCUR.
- 17. THE CONTRACTOR SHALL INSTALL ALL STORM SEWER PIPE IN ACCORDANCE WITH



SECTION VIEW OF CONCRETE CHANNEL



PRECAST CONCRETE MANHOLE

JOINT CONSTRUCTION

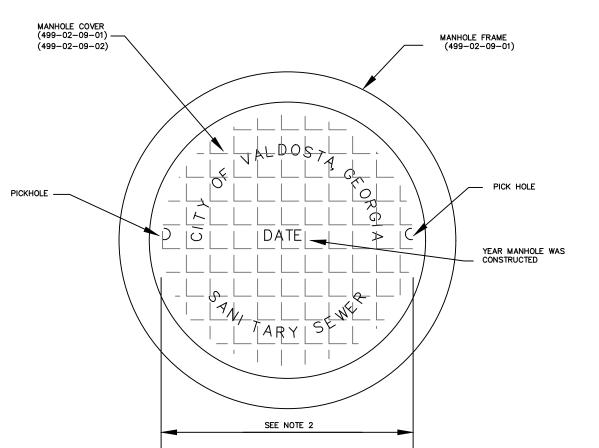
CITY OF VALDOSTA

STANDARD DETAIL

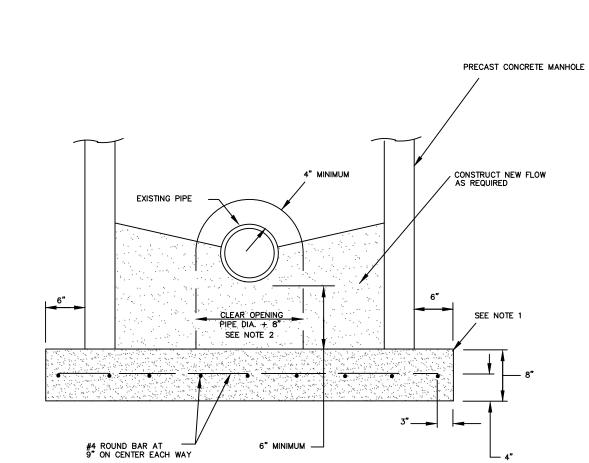
- MINIMUM WALL THICKNESS SHALL BE FIVE INCHES (5") TO A DEPTH OF TEN FEET (10'). WALL THICKNESS SHALL BE INCREASED TO TO EIGHT INCHES (8") AT TEN FEET BELOW GRADE.
- THE EXTERIOR AREAS SHALL BE COATED WITH TWO (2) COATS OF BITUMASTIC SEALER. ALL MANHOLES MAINTAINED BY THE CITY OF VALDOSTA SHALL BE LINED. LINING SHALL BE HDPE (499-02-99-06).
- 4. MANHOLE TO BE INSTALLED WITH 32" OR 36" STANDARD RING AND COVER UNLESS OTHERWISE SPECIFIED.
- 5. FILL ANNULAR SPACE BETWEEN PIPE AND BOOT WITH GROUT AND FLUSH WITH WALL OF MANHOLE.

CITY OF VALDOSTA

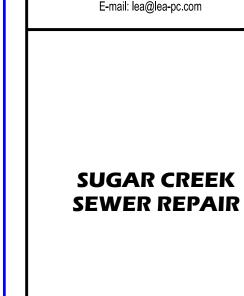
STANDARD DETAIL



- MANHOLE COVER SHALL BE LETTERED WITH THE WORDS "CITY OF VALDOSTA, GEORGIA" ACROSS THE TOP, "SANITARY SEWER" ACROSS THE BOTTOM AND THE YEAR OF THE MANUFACTURE IN CENTER.
- 2. UNLESS OTHERWISE SPECIFIED MANHOLE COVERS SHALL BE 24" DIAMETER, AND DOUBLE COVERS DEPENDING ON DEPTH. 32" DIAMETER.



- 1. MANHOLE BASE CAN BE EITHER CAST IN PLACE AS SHOWN OR PRECAST BY AN APPROVED PRECASTER.
- 2. FILL VOID WITH BRICK AND GROUT AS APPROVED BY THE CITY ENGINEER.
- 3. MANHOLE MUST BE LEAK OR AIR TESTED.



LAND LOTS 14 OF THE 11TH LAND DISTRICT **LOWNDES COUNTY - STATE OF GEORGIA**

GA CORP# 0419099

FL CORP# F04000002135

P.O. Box 2830

3998 Inner Perimeter Road

Telephone: 229-253-0900

Fax: 229-253-1842

Valdosta, GA 31604

DATE DESCRIPTION

DESIGNED BY:

CHECKED BY:

SUBMITTAL DATE: 03/10/2025

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MCM

0026-50

RAILROAD BORING AND CITY OF VALDOSTA CITY OF VALDOSTA STANDARD DETAIL JACKING

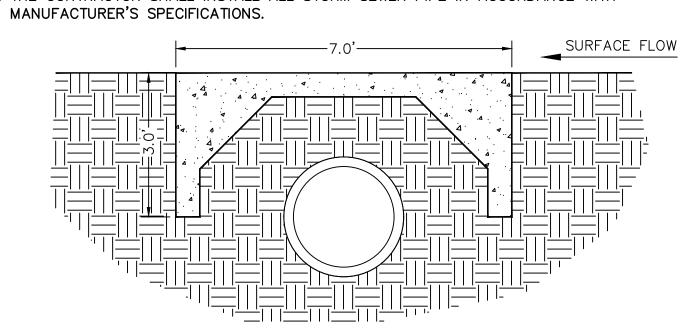
BORING & JACKING

UTILITY DETAILS

C-4

478-2.1

4 OF 4 SHEETS



3. MANHOLES SHALL BE FURNISHED WITH FACTORY INSTALLED BOOTS (499-01-99-01) TO CONNECT SEWER PIPES TO MANHOLES. 6. LIMEROCK WILL BE PLACED AROUND RING AND COVER TO BOTTOM OF ASPHALT. 7. MANHOLE COVERS IN PAVED ROADWAYS SHALL BE STANDARD (499-02-09-01). 8. EACH MANHOLE INSTALLED SHALL HAVE ONE COMPACTION DENSITY TEST PER 491.4.1.1 IN SPECIFICATIONS 100% STANDARD PROCTOR CITY OF VALDOSTA DOGHOUSE MANHOLE CITY OF VALDOSTA CITY OF VALDOSTA SANITARY SEWER PRECAST CONCRETE MANHOLE CITY OF VALDOSTA CITY OF VALDOSTA CITY OF VALDOSTA STANDARD DETAIL STANDARD DETAIL STANDARD DETAIL MANHOLE COVER BASE CONSTRUCTION OVER 12' DEPTH 498-1.2 498-1.2 LIMITS OF PAYMENT FOR BORE & JACK - C/L OF OUTSIDE TRACK EFFLUENT SEWER PIPE AS SHOWN ON PLANS AS SHOWN ON PLANS TYPICAL CROSS TIES & RAILS 2" GIP VENT PIPE (SEE NOTE 3) INFLUENT SEWER PIPE SQUEEZE OUT " GIP VENT PIPE (SEE NOTE 3) T STEEL CASING PIPE CARRIER PIPE (SEE NOTE 6) OF CASING PIPE PLUG END OF CASING WITH CONCRETE BLOCKS OR BRICK AND NON-SHRINK GROUT PLUG END OF CASING WITH CONCRETE BLOCKS OR BRICK _ AND NON-SHRINK GROUT TO SEAL ENDS OF CASING PIPE TRANSITON ADAPTOR WHERE REQUIRED PIPE TRANSITON ADAPTOR WHERE REQUIRED PRECAST CONCRETE MANHOLE SEAL BOTH ENDS WITH NON-SHRINK GROUT OR CONCRETE. INFLUENT SEWER PIPE ALL REQUIREMENTS OF THE RAILROAD AS SPECIFIED BY THE AMERICAN RAILWAY ENGINEERING ASSOCIATION AND THE RAILROAD COMPANY SHALL BE ADHERED TO WHEN CROSSING RAILROADS. THE MORE STRINGENT REQUIREMENTS BETWEEN THE R/R AND THE CITY OF VALDOSTA SHALL GOVERN IN ALL CASES. THE INSIDE DIAMETER OF THE CASING SHALL BE A MINIMUM OF 6" GREATER THAN THE OUTSIDE DIAMETER OF THE CARRIER PIPE BELL OR COUPLING. 1. FLOW CHANNELS IN MANHOLE BOTTOM SHALL HAVE SAME RADIUS AS EFFLUENT SEWER LINES. 3. CASING FOR THE FORCE MAIN AND GRAVITY SEWER SHALL BE INSTALLED WITH A 2" VENT PIPE, WHERE REQUIRED, AT ONE END EXTENDING NOT LESS THAN 4' ABOVE GROUND SURFACE, AND ABOVE THE MAXIMUM ELEVATION OF HIGH WATER. THE TOP OF THE VENT PIPE SHALL BE FITTED WITH DOWN TURNED ELBOW PROPERLY SCREENED. THE VENT PIPE SHALL BE SCHEDULE NO. 40 GALVANIZED STEEL. VENT PIPE FOR WATER MAIN AND REUSE MAIN CASING IS NOT REQUIRED. FLOW CHANNELS SHALL BE FORMED OF CLASS I CONCRETE. ALL INVERTS SHALL FOLLOW THE GRADES OF THE PIPE ENTERING THE MANHOLE. BRICKS OR OTHER FILL MATERIALS SHALL NOT BE USED WHEN FORMING FLOW CHANNELS. 3. THAT PORTION OF THE FLOW CHANNEL ABOVE THE SLOPED SIDES SHALL BE FREE OF COVERING TO THE LIMITS SHOWN ABOVE. 4. PAYMENT FOR BORE AND JACK SHALL INCLUDE CASING, END ENCASEMENTS, CARRIER PIPE, TRANSITION ADAPTORS, VENT PIPES AND SPACERS. 5. INSTALL CASING SPACERS TO PROVIDE A MINIMUM OF THREE PER JOINT OF PIPE. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. 6. WATER MAIN AND FORCE MAIN PIPING INSIDE CASING IS TO BE RESTRAINED JOINT PIPING AS SPECIFIED IN 489-07-02-02 AND 499-07-99-06 SPECIFICATION CITY OF VALDOSTA CITY OF VALDOSTA SANITARY SEWER

MANHOLE FLOW CHANNEL