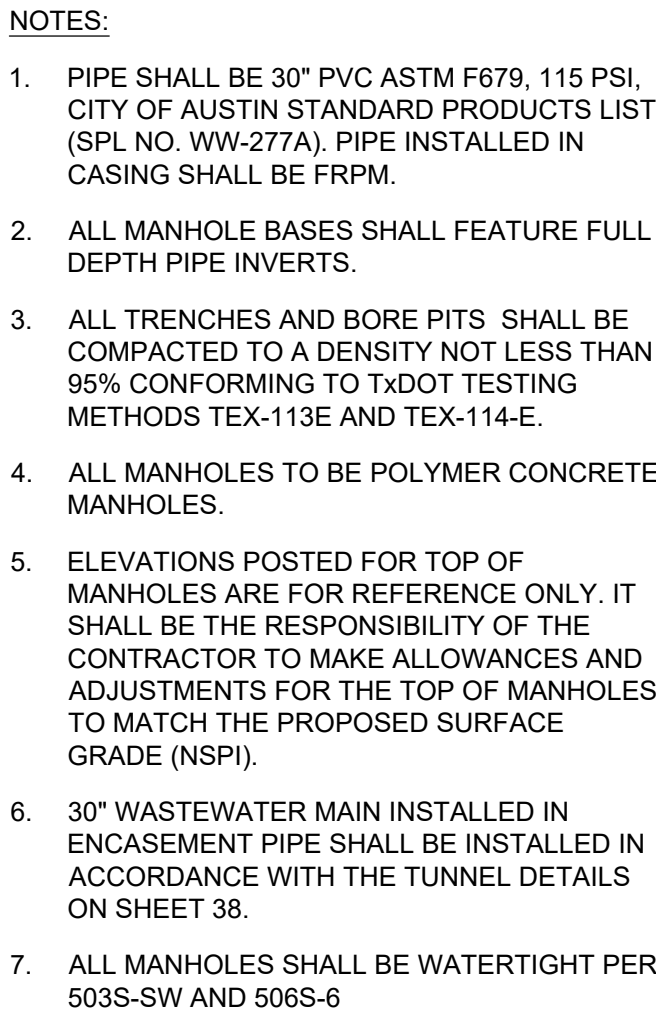
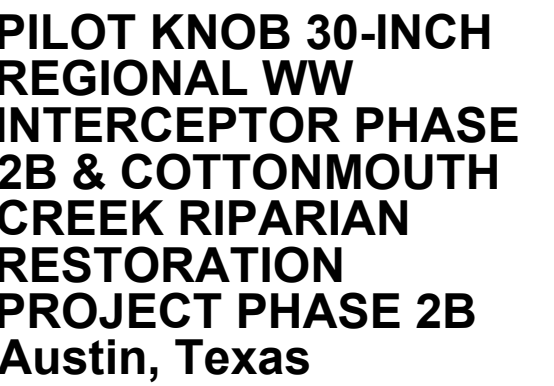




CONCRETE RETARD NOTE:

THE PIPELINE IS WITHIN AN AREA OF SHALLOW WATER TABLE AND TRENCH CONCRETE RETARDS SHALL BE INSTALLED AT LEAST EVERY 500 FEET TO DETER WATER FROM FLOWING WITHIN THE COMPLETED TRENCH LINE. CONTRACTOR SHALL NOTIFY THE PROJECT GEOTECHNICAL ENGINEER REPRESENTATIVE WITH MLA LABS AT (512)873-8899 PRIOR TO BEGINNING TRENCH EXCAVATION THROUGH THIS AREA. THE MLA LABS REPRESENTATIVE WILL DESIGNATE FIELD LOCATIONS OF THE CONCRETE RETARDS AND MAY DESIGNATE ADDITIONAL LOCATIONS AT INTERVALS CLOSER THAN 500 FEET. IF NECESSARY, BASED ON FIELD CONDITIONS OBSERVED DURING CONSTRUCTION. CONTRACTOR SHALL BE PAID FOR THIS WORK UNDER BID ITEM SP593S-TWS (SEE SPECIAL PROVISION 593S).



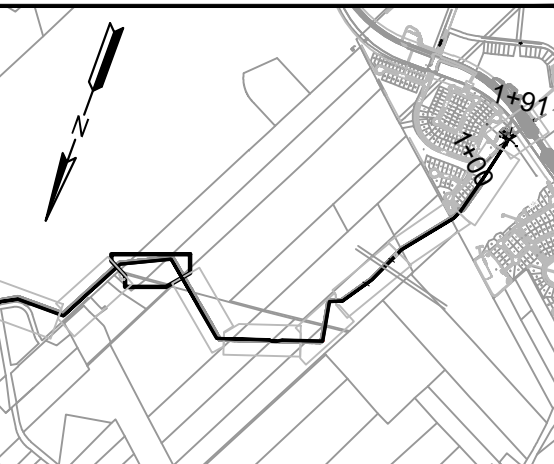
3113 1/2 DEE GABRIEL COLLINS RD.
AUSTIN, TEXAS



8911 N. Capital of Texas Hwy
Building 2, Suite 2300
Austin, TX 78759
Tel 512-338-4212
www.lan-inc.com

Brookfield

KEY PLAN



REVISIONS

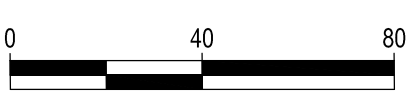
[illegible]

FILE LOG

TIVITY	BY
nager	DED
sign	WCC
iw	SEM
teck	TMM

STAMP

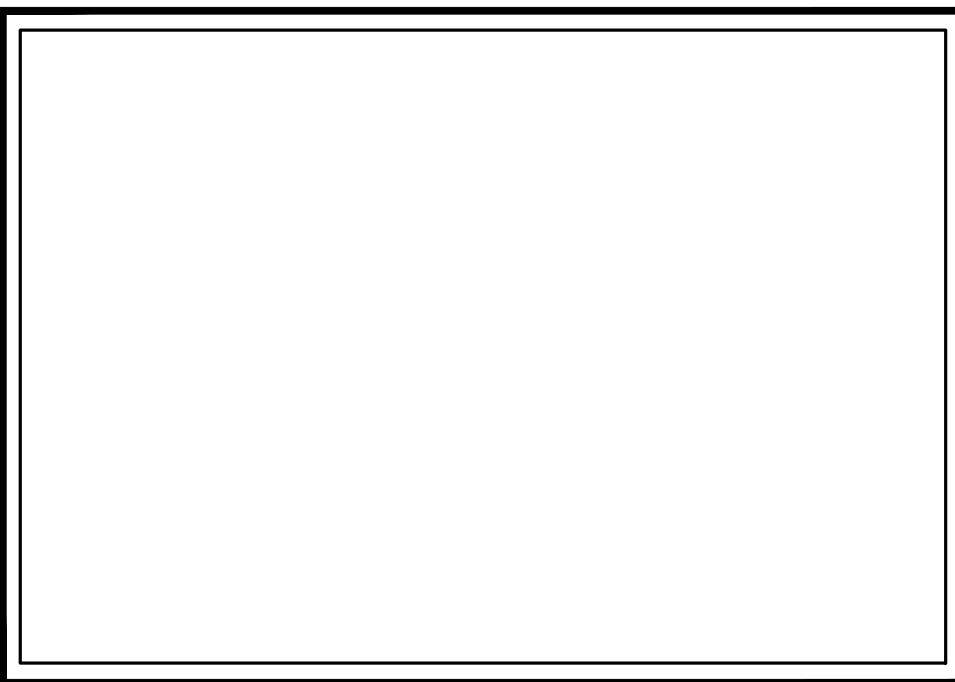
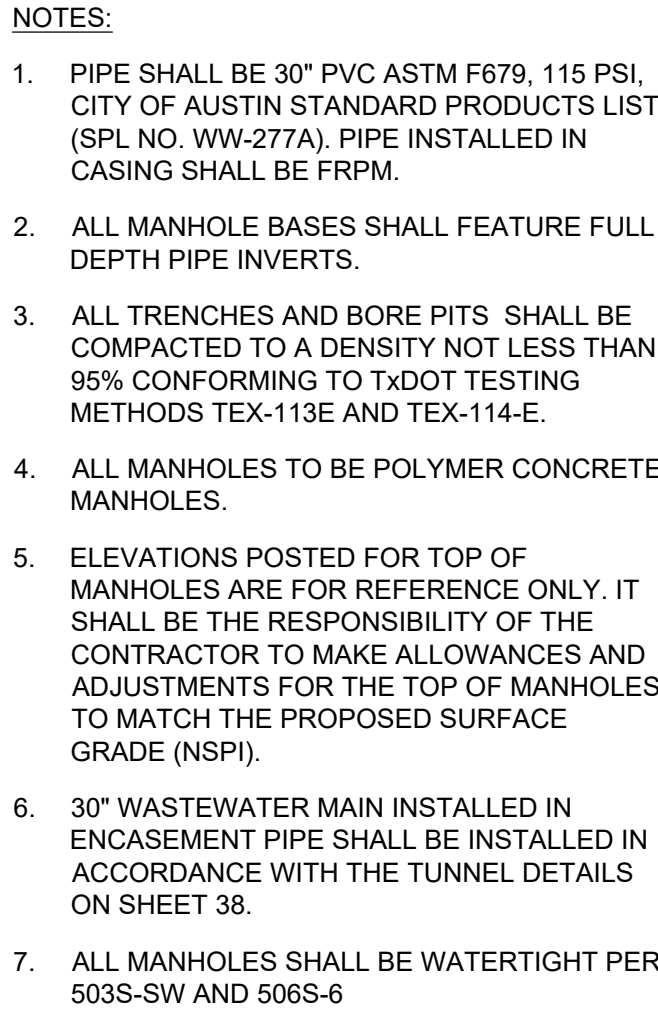
INTERIM REVIEW ONLY
 Not to be used for construction, bidding,
 permit or regulatory approval purposes. This
 document is released for the purpose of
 interim review under the authority of:
DANIEL E. DOW
118652
08/31/2018
 Lockwood, Andrews & Newnam, Inc.
 is a Registered Engineering Firm F-261



SCALE: HORIZ. 1"=40'
VERT. 1"=10'

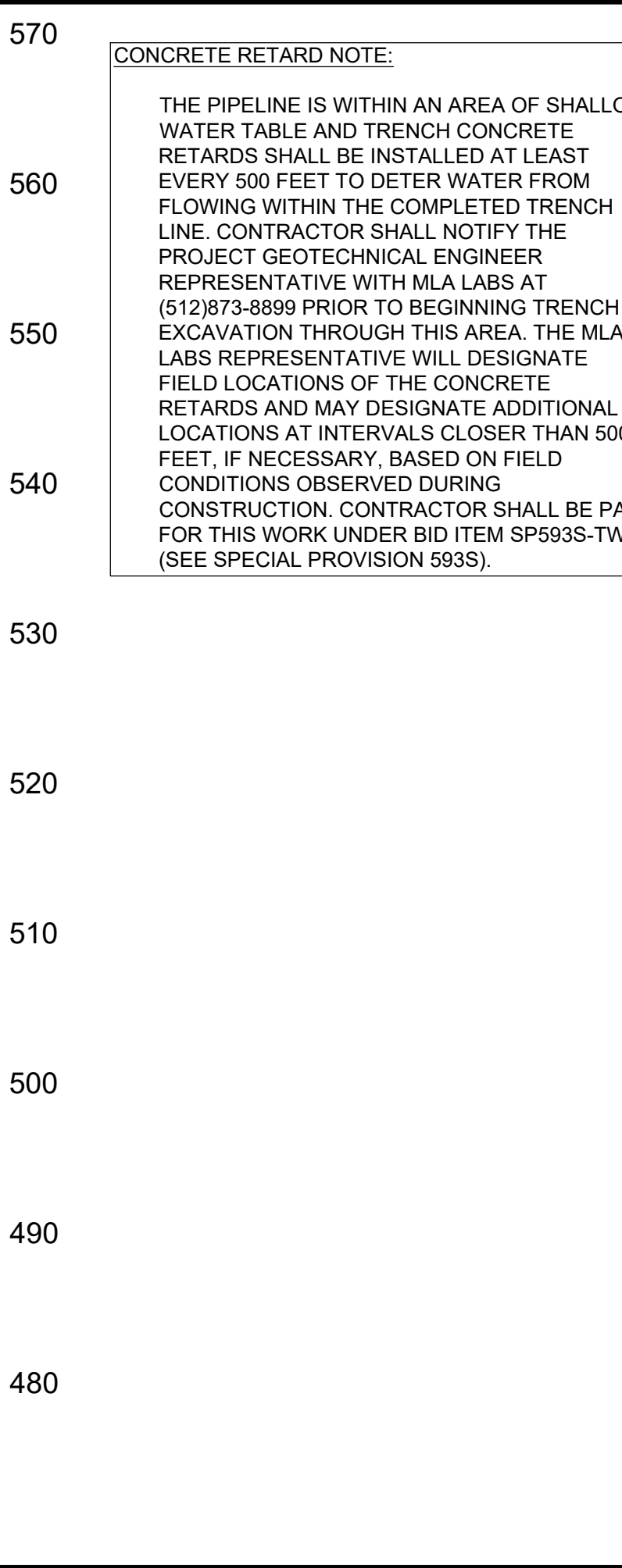
Project No. 160-10708-009
Date: June 12, 2018

WASTEWATER PLAN AND
PROFILE - STA. 37+00 TO
STA. 47+00



CONCRETE RETARD NOTE:

THE PIPELINE IS WITHIN AN AREA OF SHALLOW WATER TABLE AND TRENCH CONCRETE RETARDS SHALL BE INSTALLED AT LEAST EVERY 500 FEET TO DETER WATER FROM FLOWING WITHIN THE COMPLETED TRENCH LINE. CONTRACTOR SHALL NOTIFY THE PROJECT GEOTECHNICAL ENGINEER REPRESENTATIVE WITH M/LA LABS AT (512) 333-9891 PRIOR TO PLACING TRENCH EXCAVATION THROUGH THIS AREA. THE M/LA LABS REPRESENTATIVE WILL DESIGNATE FIELD LOCATIONS OF THE CONCRETE RETARDS AND MAY DESIGNATE ADDITIONAL LOCATIONS AT INTERVALS CLOSER THAN 500 FEET, IF NECESSARY, BASED ON FIELD CONDITIONS OBSERVED DURING CONSTRUCTION. CONTRACTOR SHALL BE PAID FOR THIS WORK UNDER BID ITEM SP593S-TW (SEE SPECIAL PROVISION 593S).



**PILOT KNOB 30-INCH
REGIONAL WW
INTERCEPTOR PHASE
2B & COTTONMOUTH
CREEK RIPARIAN
RESTORATION
PROJECT PHASE 2B
Austin, Texas**

**3113 1/2 DEE GABRIEL COLLINS RD.
AUSTIN, TEXAS**



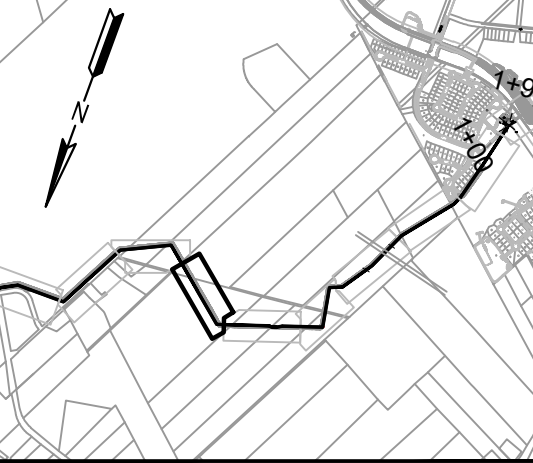
**Lockwood, Andrews
& Newnam, Inc.**
A LEO A DALY COMPANY

8911 N. Capital of Texas Hwy
Building 2, Suite 2300
Austin, TX 78759
Tel 512-338-4212
www.lan-inc.com

Brookfield

Residential

KEY PLAN



REVISION

[illegible]

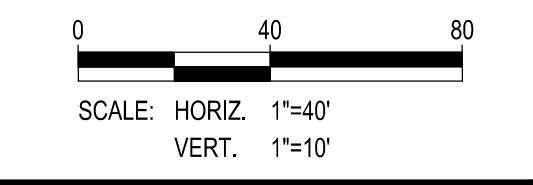
FILE LOG

Activity	BY
Manager	DED
Design	WCC
Draw	SEM
Check	TMM

STAMP

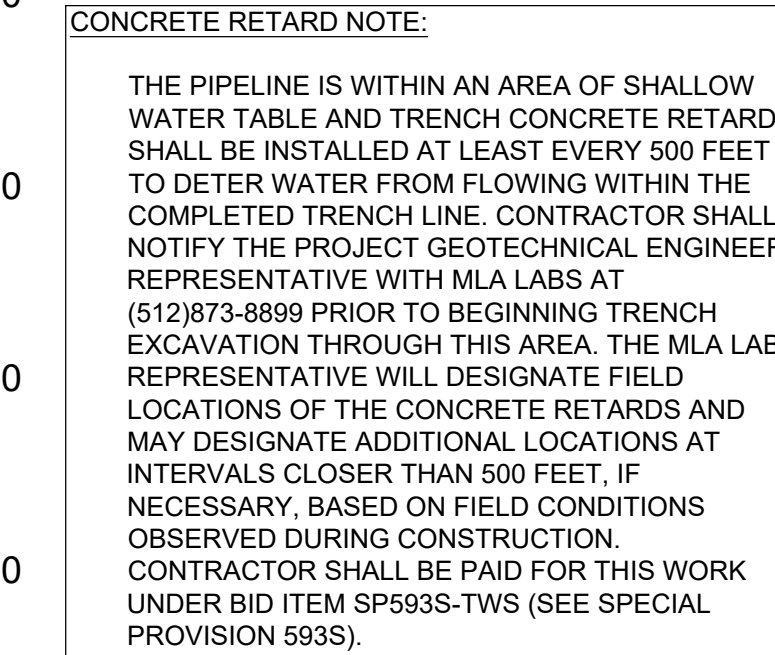
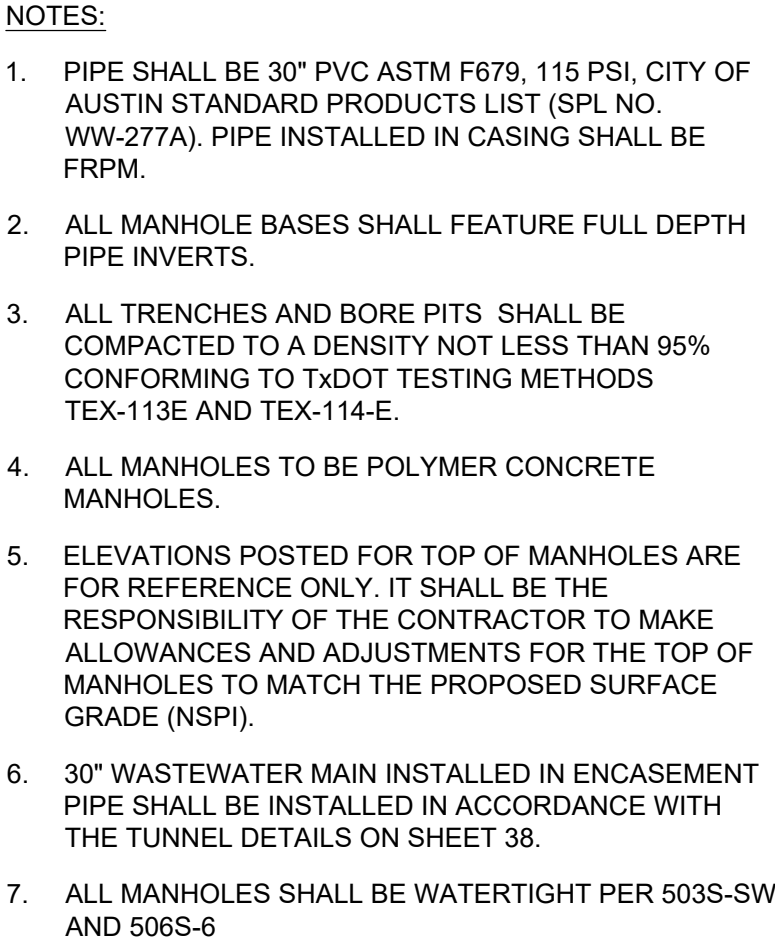
INTERIM REVIEW ONLY
Not to be used for construction, bidding,
permit or regulatory approval purposes. This
document is released for the purpose of
interim review under the authority of:
DANIEL E. COW
119652
REGISTERED ENGINEER
08/31/2018

Lockwood, Andrews & Newnam, Inc.
Texas Registered Engineering Firm F-2614

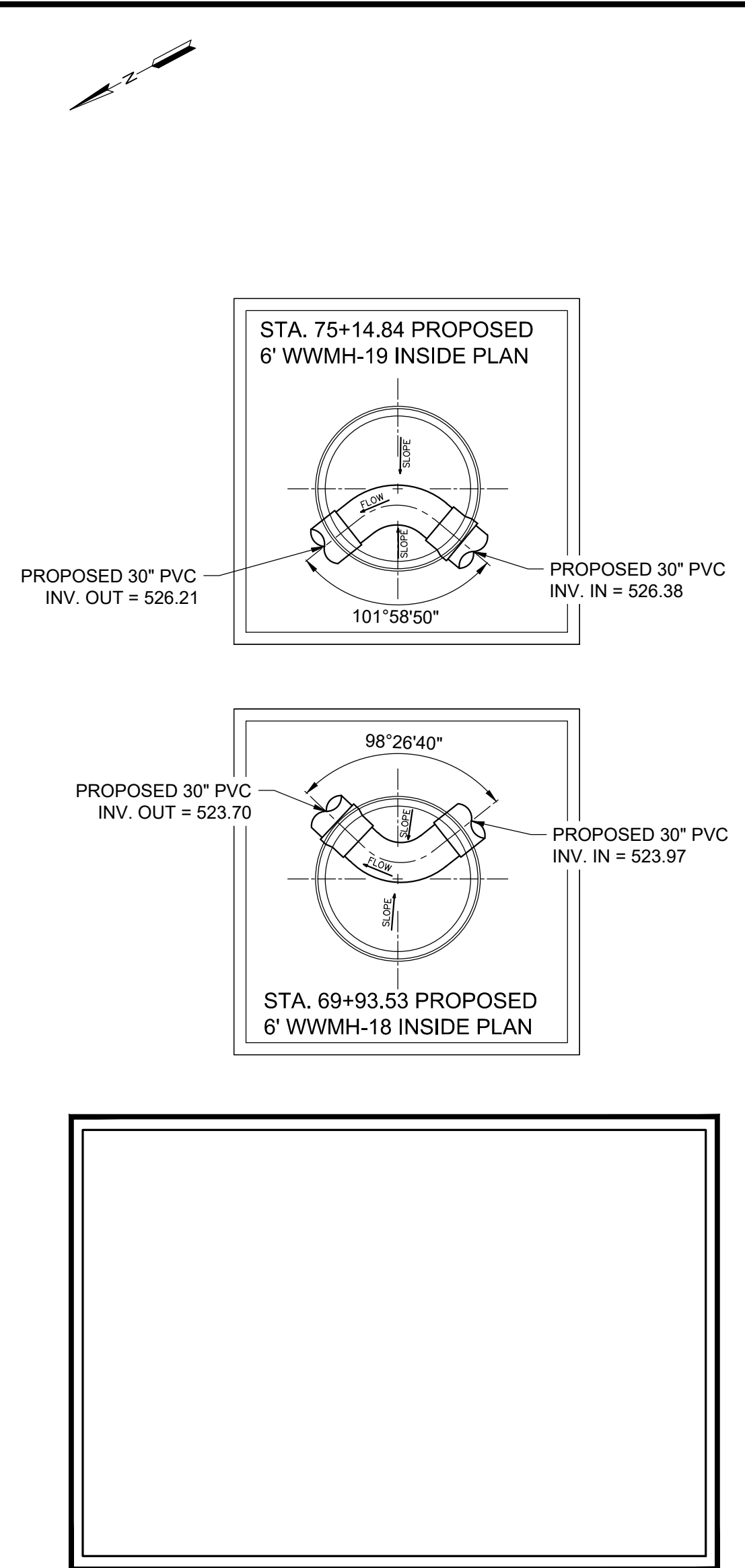
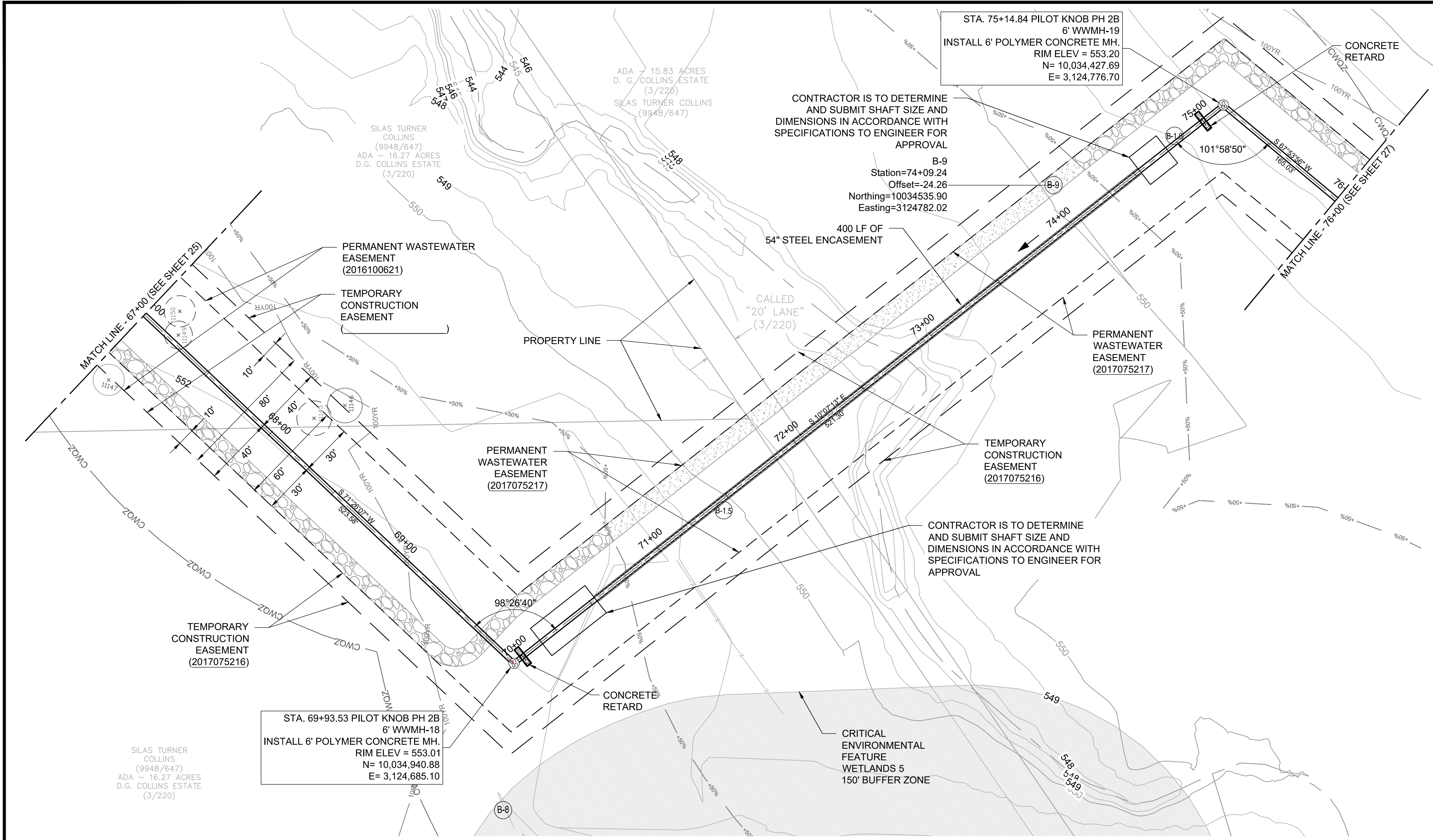


Project No. 160-10708-009
Date: June 12, 2018

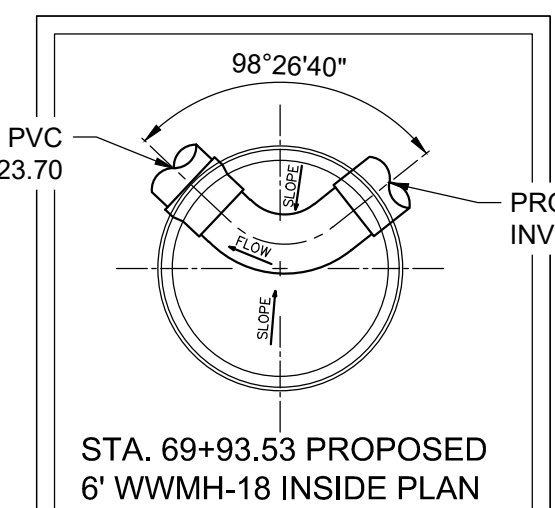
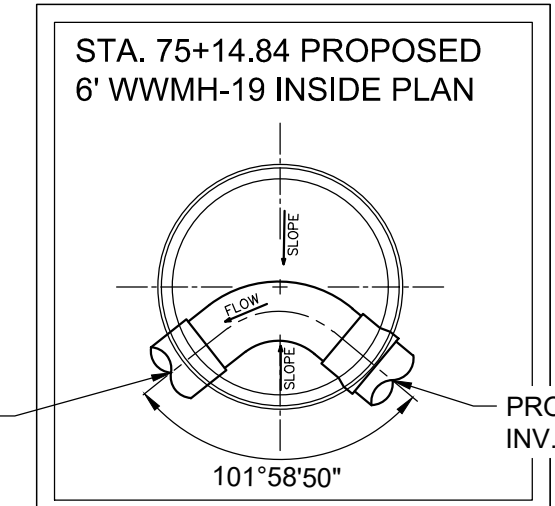
WASTEWATER PLAN AND
PROFILE - STA. 47+00 TO STA.
57+00



25 OF 60



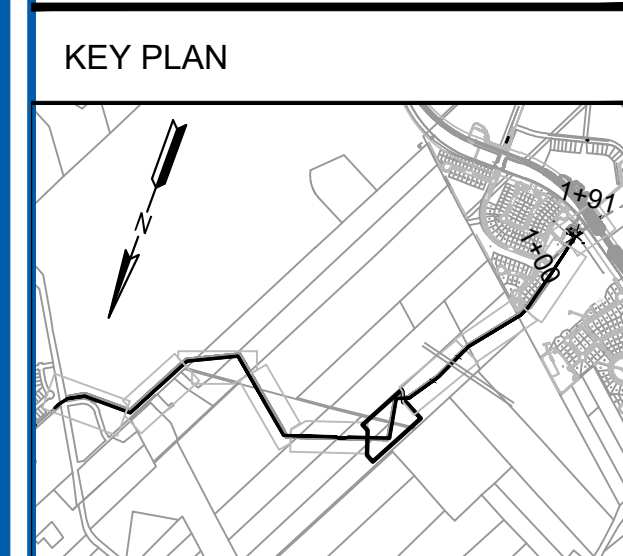
- NOTES:
- PIPE SHALL BE 30" PVC ASTM F679, 115 PSI, CITY OF AUSTIN STANDARD PRODUCTS LIST (SPL NO. WW-277A). PIPE INSTALLED IN CASING SHALL BE FRPM.
 - ALL MANHOLE BASES SHALL FEATURE FULL DEPTH PIPE INVERTS.
 - ALL TRENCHES AND BORE PITS SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% CONFORMING TO TxDOT TESTING METHODS TEX-113E AND TEX-114-E.
 - ALL MANHOLES TO BE POLYMER CONCRETE MANHOLES.
 - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE PROPOSED SURFACE GRADE (NSPI).
 - 30" WASTEWATER MAIN INSTALLED IN ENCASEMENT PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE TUNNEL DETAILS ON SHEET 38.
 - ALL MANHOLES SHALL BE WATERTIGHT PER 503S-SW AND 506S-6



PILOT KNOB 30-INCH REGIONAL WW INTERCEPTOR PHASE 2B & COTTONMOUTH CREEK RIPARIAN RESTORATION PROJECT PHASE 2B
Austin, Texas
8113 1/2 DEE GABRIEL COLLINS RD.
AUSTIN, TEXAS

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
8911 N. Capital of Texas Hwy
Building 2, Suite 2300
Austin, TX 78759
Tel 512-338-4212
www.lan-inc.com

Brookfield Residential



REVISIONS		
NO.	DESCRIPTION	DATE

FILE LOG	
ACTIVITY	BY
Manager	DED
Design	WCC
Draw	SEM
Check	TMM

STAMP

INTERIM REVIEW ONLY
Not to be used for construction, bidding, permit or regulatory approval purposes. This document is released for the purpose of interim review under the authority of:
DANIEL E. DOW
110852
20120109

Lockwood, Andrews & Newnam, Inc.
Texas Registered Engineering Firm F-2014

0 40 80
SCALE: HORIZ. 1"=40'
VERT. 1"=10'

Project No. 160-10708-009
Date: June 12, 2018

WASTEWATER PLAN AND PROFILE - STA. 67+00 TO STA. 76+00