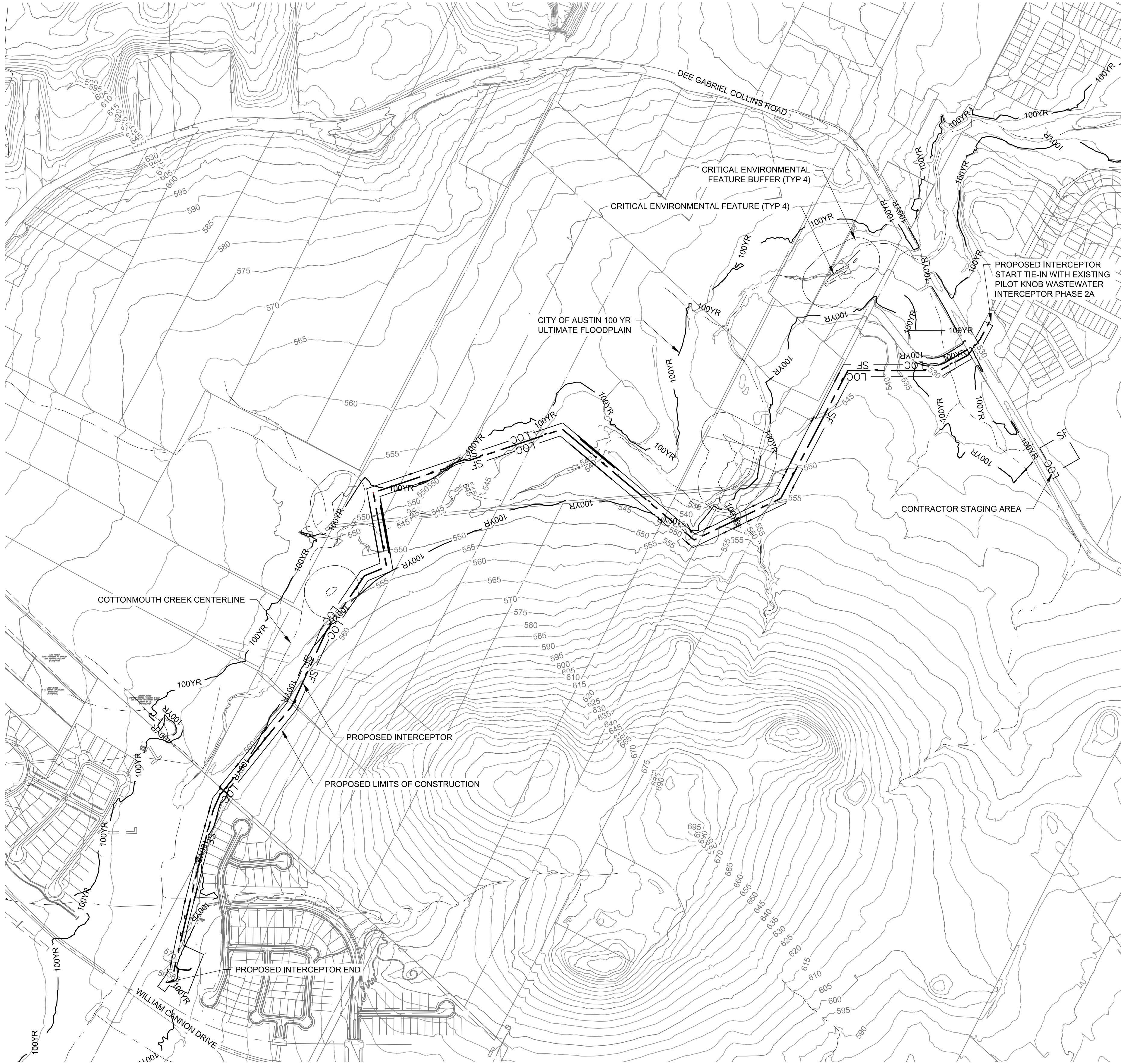




Slope Table				
Number	Minimum Slope	Maximum Slope	Color	Area AC.
1	0.00%	15.00%		1546.37
2	15.00%	25.00%		74.24
3	25.00%	35.00%		28.69
4	35.00%	Vertical		48.47

- NOTES:
1. SLOPE MAP IS CALCULATED TO LIMITS OF CONSTRUCTION.
 2. THE PROJECT DOES NOT INCLUDE THE ADDITION OF ANY IMPERVIOUS COVER.
 3. THE PROJECT RETURNS ALL EXCAVATIONS TO EXISTING GRADE.

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

lan 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

REVISIONS			#/##
NO.	DESCRIPTION	DATE	

FILE LOG	
ACTIVITY	BY
Manager	DED
Design	WGC
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

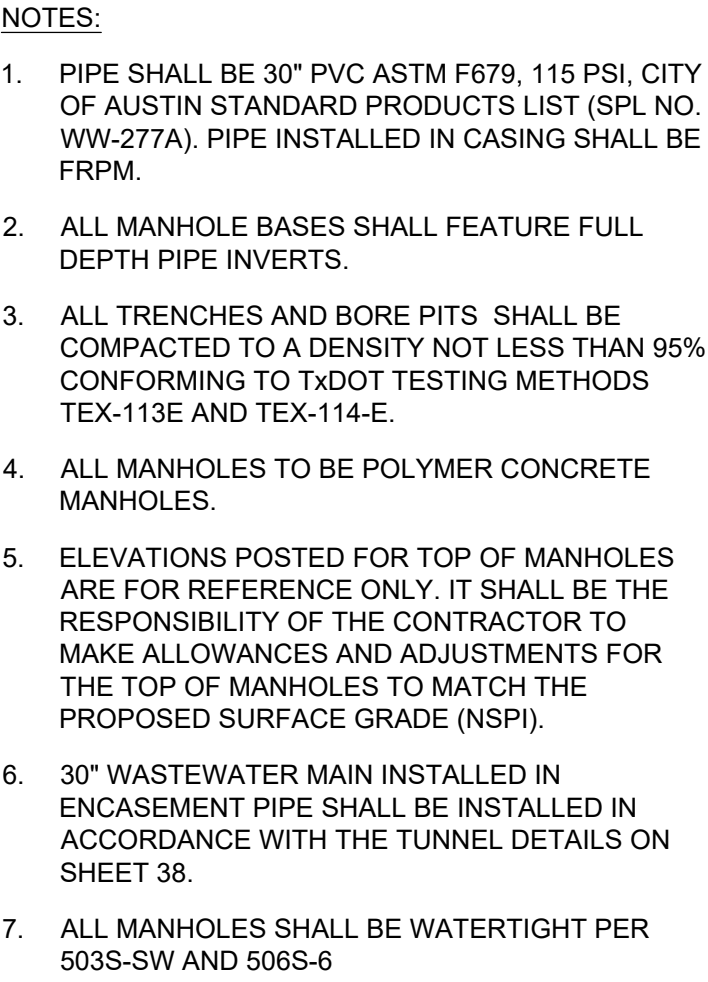
110652
06/12/2018

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

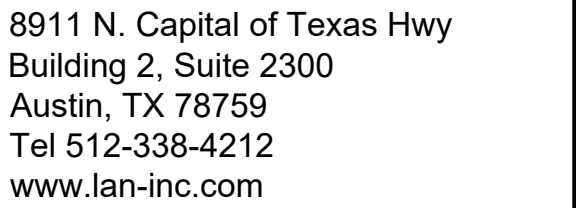
0 400 800
SCALE: 1"=400'

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

SLOPE AND TOPOGRAPHIC
PLAN



8113 1/2 DEE GABRIEL COLLINS RD.
AUSTIN, TEXAS



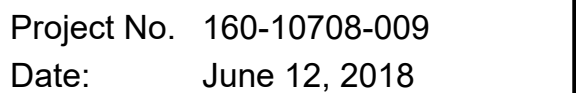
Brookfield Residential

[illegible]

CTIVITY	BY
anager	DED
esign	WCC
raw	SEM
heck	TMM

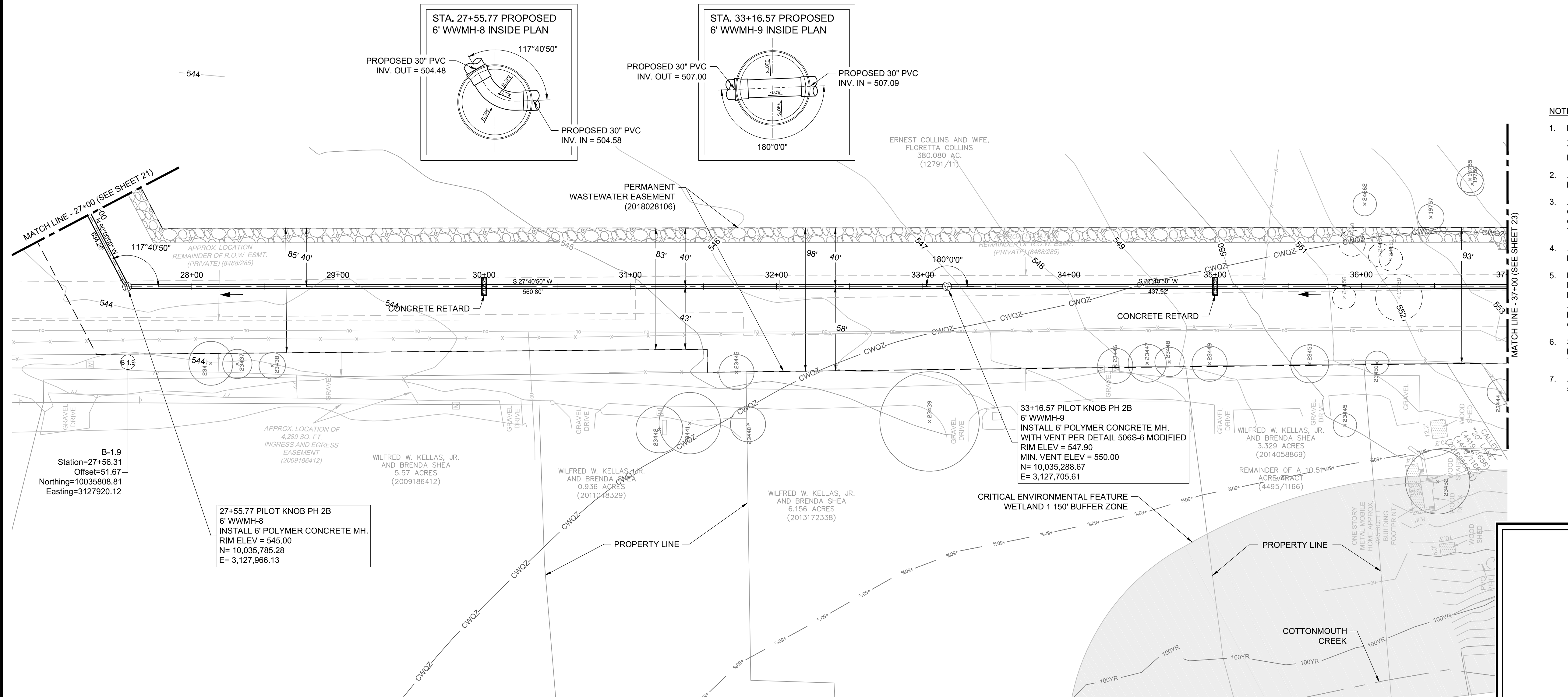
INTERIM REVIEW ONLY
Not to be used for construction, bidding,
permit or regulatory approval purposes. This
document is released for the purpose of
interim review under the authority of:
DANIEL E. DCW
119652
08/31/2018

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



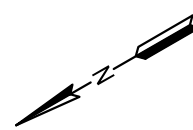
21 OF 60

ProjectWise: pw:\ladp\lados\interceptor\Documents\Projects\160-10708-009\LO-Production\4-01 Drawings\1
File C:\projects\lados\interceptor\160-10708-009\LO-Production\4-01 Drawings\1
ProjectWise: pw:\ladp\lados\interceptor\Documents\Projects\160-10708-009\LO-Production\4-01 Drawings\1
File C:\projects\lados\interceptor\160-10708-009\LO-Production\4-01 Drawings\1

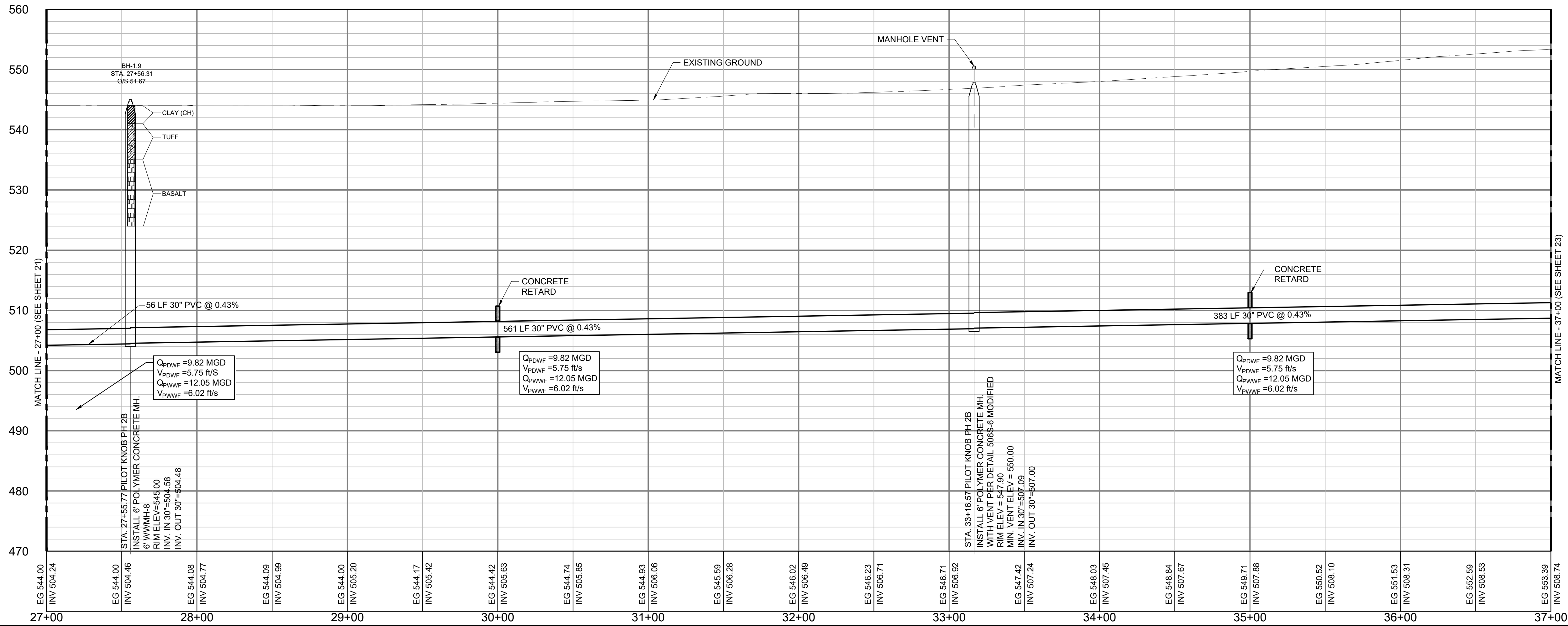


NOTES:

- 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



30" PILOT KNOB PHASE 2B



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).

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

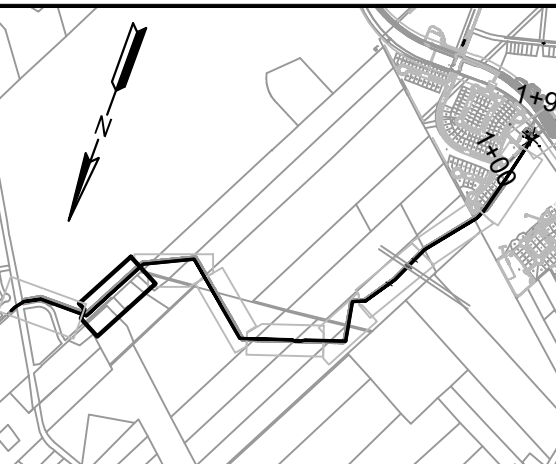
8113 1/2 DEE GABRIEL COLLINS RD. AUSTIN, TEXAS



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



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
110652
2012/02/09

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. 27+00 TO STA. 37+00