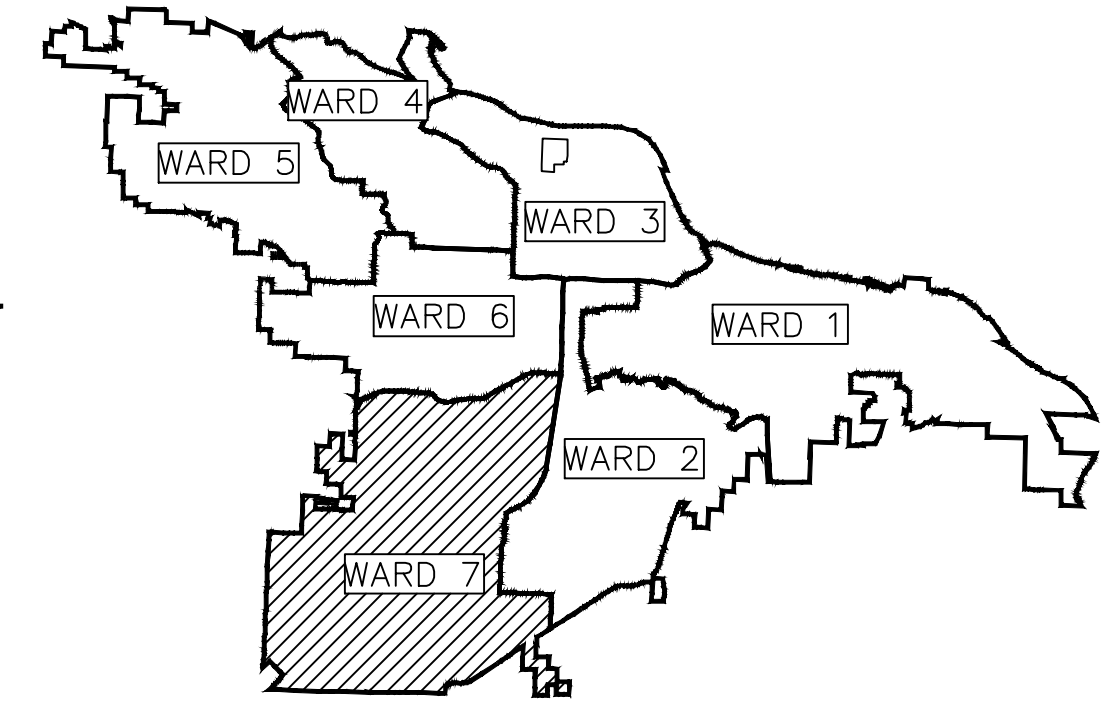
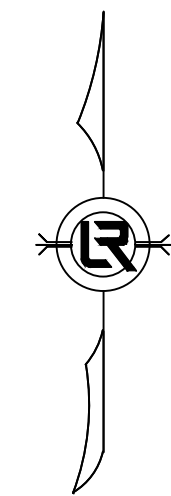


CLR PROJECT 07-22-DR-212 WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE LITTLE ROCK, ARKANSAS

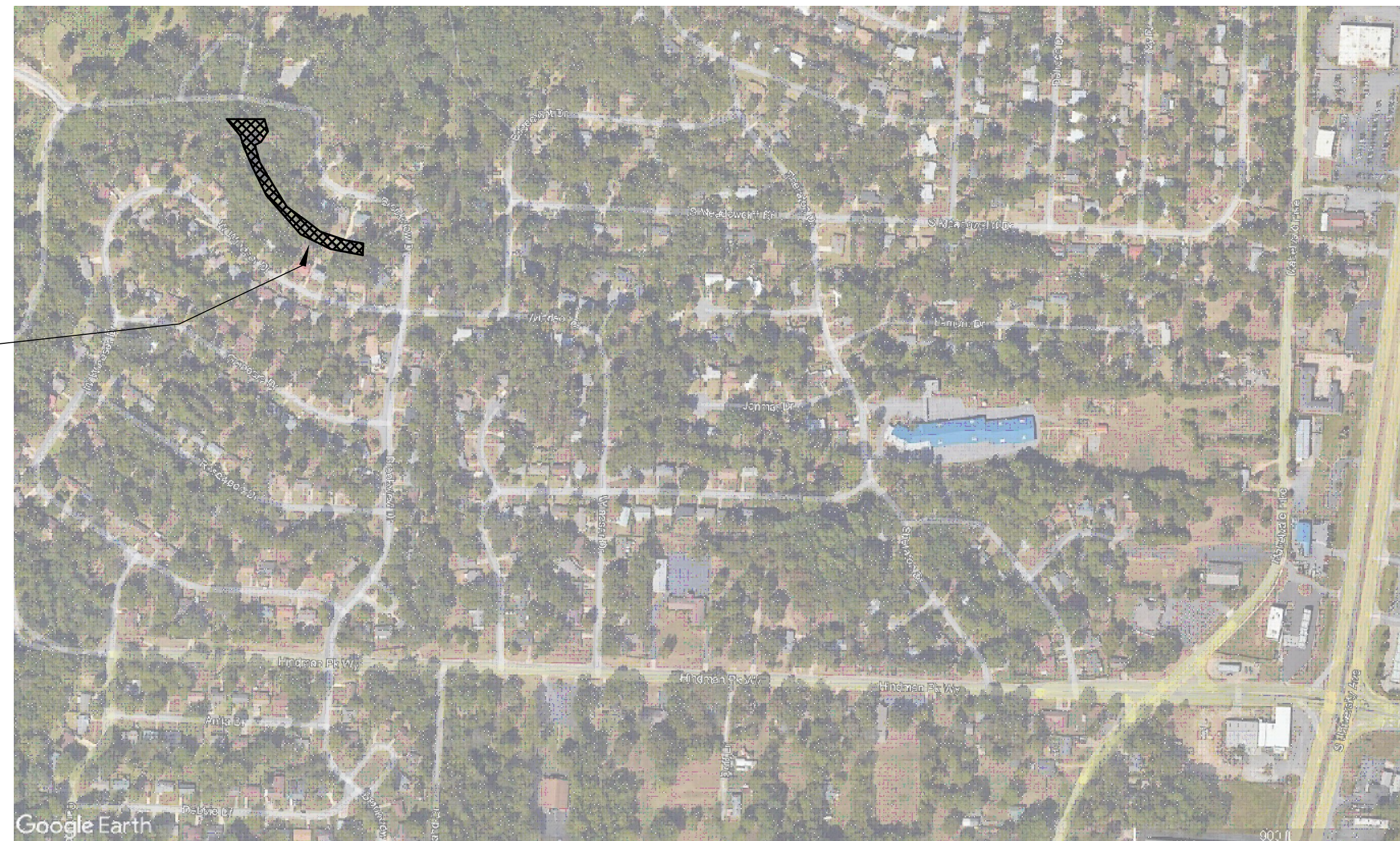


PROJECT LOCATION – WARD 7

SHEET NO.	TITLE
C1	COVER SHEET
C2	GENERAL NOTES, LEGEND AND QUANTITIES
C3	TYPICAL SECTIONS
C4	CROSS-SECTIONS
C5	CROSS-SECTIONS
C6	EXISTING LAYOUT
C7	PROPOSED LAYOUT
C8	PLAN AND PROFILE
C9	PROPOSED DRIVEWAY LAYOUT
C10	EROSION CONTROL PHASE 1
C11	EROSION CONTROL PHASE 2



PROJECT
LOCATION



SEPTEMBER 2024

**2023-2025
BOND PROGRAM**

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 WEST MARKHAM STREET
LITTLE ROCK, ARKANSAS 72201



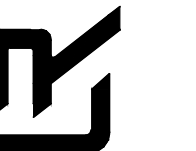
REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE

COVER SHEET



DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY

VSE

DESIGNED

VSE

CHECKED

JPC

DATE

9/20/2024

SCALE

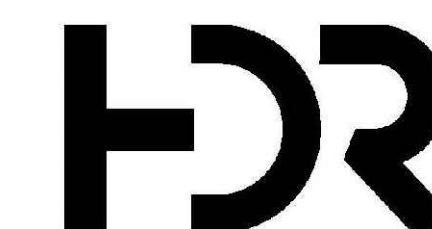
NTS

PROJECT NO.

07-22-DR-212

SHEET NO.

C1



10825 FINANCIAL CENTRE PKWY
SUITE 212
LITTLE ROCK, AR 72211
501-435-3700

ESTIMATED QUANTITIES			
CLR PROJECT 07-22-DR-212			
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE			
1-Oct-24			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION (INCL. MOBILIZATION)	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	170
7.06	CONCRETE DRIVEWAY	SY	156
11.01	CONCRETE CHANNEL	LF	480
14.01	SOLID SODDING, MATCH EXISTING (4" TOPSOIL INCLUDED)	SY	1260
16.01	TRAFFIC CONTROL	LS	1
18.04	REMOVAL & REPLACEMENT OF FENCE	LF	100
18.04	WOODEN PRIVACY FENCE	LF	475
18.04	TEMP. PRIVACY FENCING	LF	500
18.08	RIP RAP	TON	75
18.08	FILTER BLANKET	SY	37
19.01	FINAL CLEANUP	LS	1
24.01	SILT FENCE - TYPE A (SFA)	LF	650

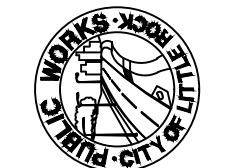
GENERAL NOTES:

- ANY DEMOLITION OR REMOVAL ITEMS TO BE PAID FOR UNDER "SITE PREPARATION".
- COST OF CONSTRUCTION ENTRANCE TO WORK SITE AND ANY REMOVAL AND REPAIR OF ENTRANCE TO PREVIOUS CONDITION TO BE PAID FOR UNDER "SITE PREPARATION".

EXISTING	PROPOSED
IRON ROD	PROPOSED CONTOUR
PK NAIL	PROPOSED SPOT ELEVATION
R.R. SPIKE	PROPOSED SPOT CURB ELEVATION
CONC. MONUMENT	STORM SEWER - PIPE
WATER VALVE	STORM SEWER - MITERED END SECTION
WATER METER	STORM SEWER - GRATE INLET
FIRE HYDRANT	STORM SEWER - JUNCTION BOX
GAS METER	STORM SEWER - FLARED END SECTION
GAS VALVE	STORM SEWER - NO WING
CLEAN-OUT	STORM SEWER - SINGLE WING
GUARD POST (BOLLARD)	STORM SEWER - DOUBLE WING
SIGN POST	STORM SEWER - AREA INLET
BENCHMARK	GRADE BREAK LINE
STORM SEWER MANHOLE	HIGH POINT
SANITARY SEWER MANHOLE	LOW POINT
TELEPHONE MANHOLE	CUT LINE
ELECTRIC MANHOLE	FILL LINE
TELEPHONE BOX	SANITARY SEWER PIPE
ELECTRIC BOX	SANITARY SEWER MANHOLE
CABLE BOX	PROPOSED CURB
UTILITY POLE	PROPOSED CONCRETE
GUY WIRE	CONSTRUCTION - ENTRANCE/EXIT
LIGHT POLE	CHECK DAM
POST OR POLE (TYPE AS NOTED)	DIVERSION BERM
MAILBOX	DOWNDRAIN STRUCTURE - TEMPORARY
DECIDUOUS TREE	ROCK DAM
EVERGREEN/CONIFEROUS TREE	SEDIMENT BARRIER - SILT FENCE
BUSH	SEDIMENT BARRIER - GRAVEL RING
PROPERTY LINE	SEDIMENT BARRIER - BLOCK & GRAVEL
SETBACK LINE	SEDIMENT BARRIER - BLOCK
EASEMENT LINE	TEMPORARY SEDIMENT BASIN
CURB	SILT FENCE - TYPE A
FENCE	SILT FENCE - TYPE B
OVERHEAD ELECTRIC	SILT FENCE - TYPE C
OVERHEAD TELEPHONE	STORM DRAIN OUTLET PROTECTION
OVERHEAD CABLE	SURFACE ROUGHENING
UNDERGROUND TELEPHONE	DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
UNDERGROUND ELECTRIC	DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
UNDERGROUND CABLE	DISTURBED AREA STABILIZATION - PERMANENT GRASSING
WATER LINE	MATTING/BLANKETS
SEWER LINE	
GAS LINE	
STORM SEWER/CULVERT	
EDGE OF WOODS	
CONTOUR LINE	

REVISIONS	DATE

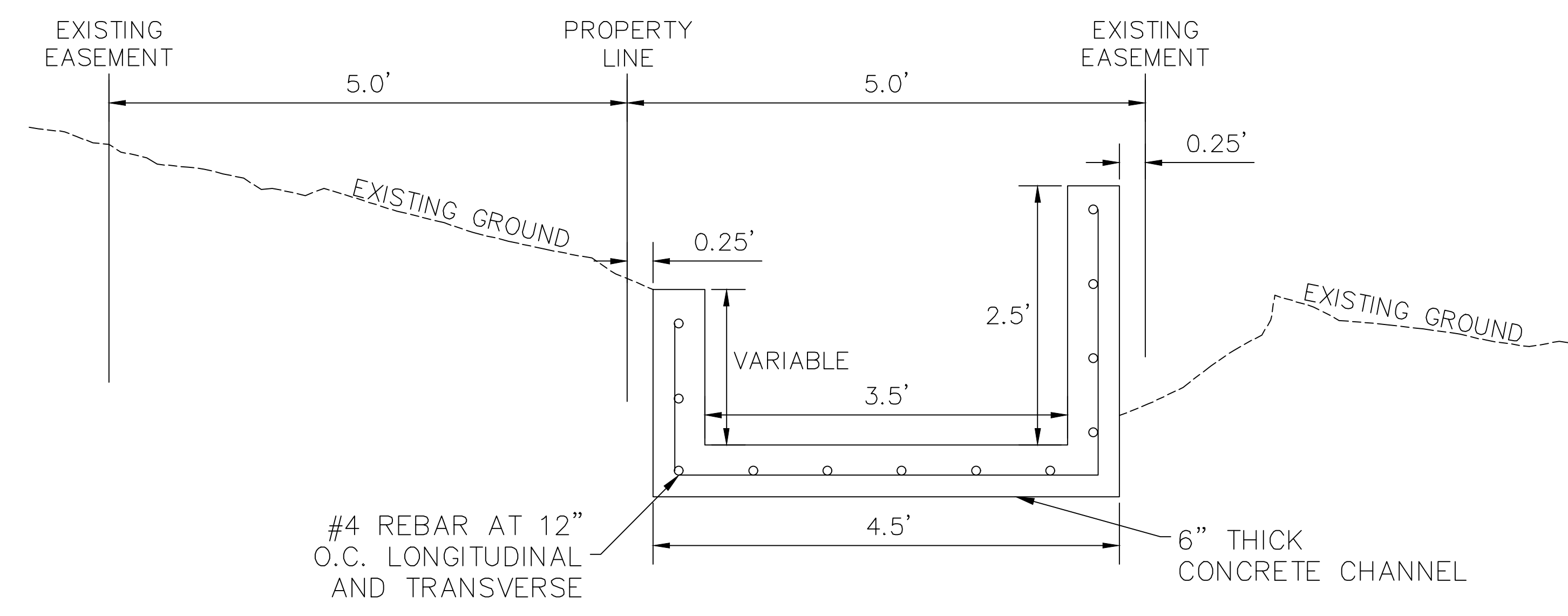
CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
GENERAL NOTES, LEGEND, AND QUANTITIES


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201


 STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 18018
 JUSTIN P. CARMY

DRAWN BY VSE
DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE NTS
PROJECT NO. 07-22-DR-212
SHEET NO. C2

REVISIONS	DATE



#4 REBAR AT 12"
O.C. LONGITUDINAL
AND TRANSVERSE

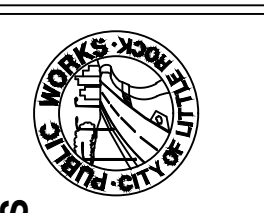
6" THICK
CONCRETE CHANNEL

TYPICAL SECTION
10+40 - 15+20

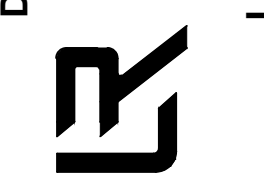
NOTE:
1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED
IN CONCRETE CHANNEL AT 45' MAX INTERVALS. THE SPACE
SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING
WITH AASHTO M213. COST OF TRANSVERSE JOINTS AND
JOINT FILLER SHALL BE CONSIDERED SUBSIDIARY TO THE
CONCRETE CHANNEL PAY ITEM.

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE

TYPICAL SECTIONS




DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



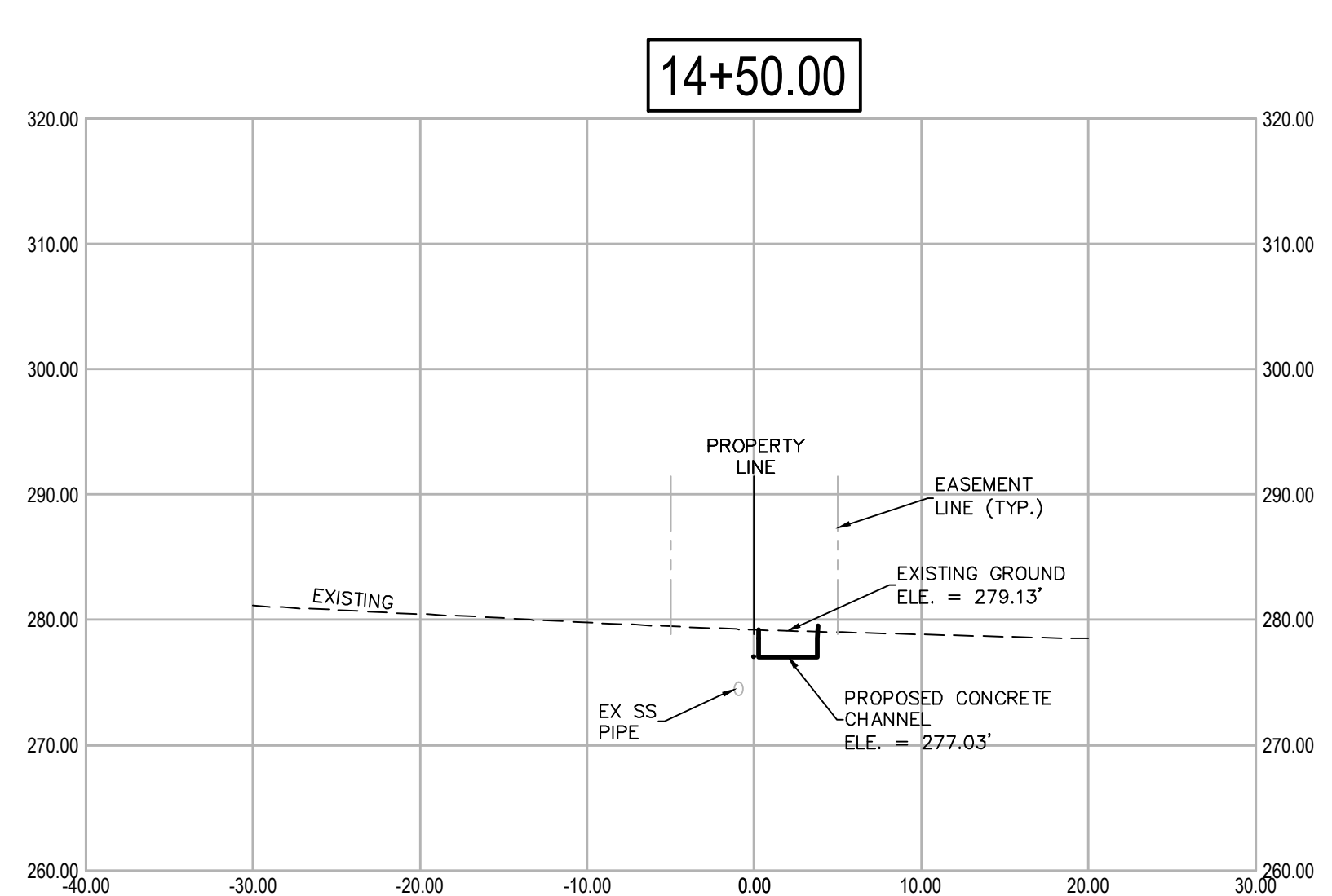
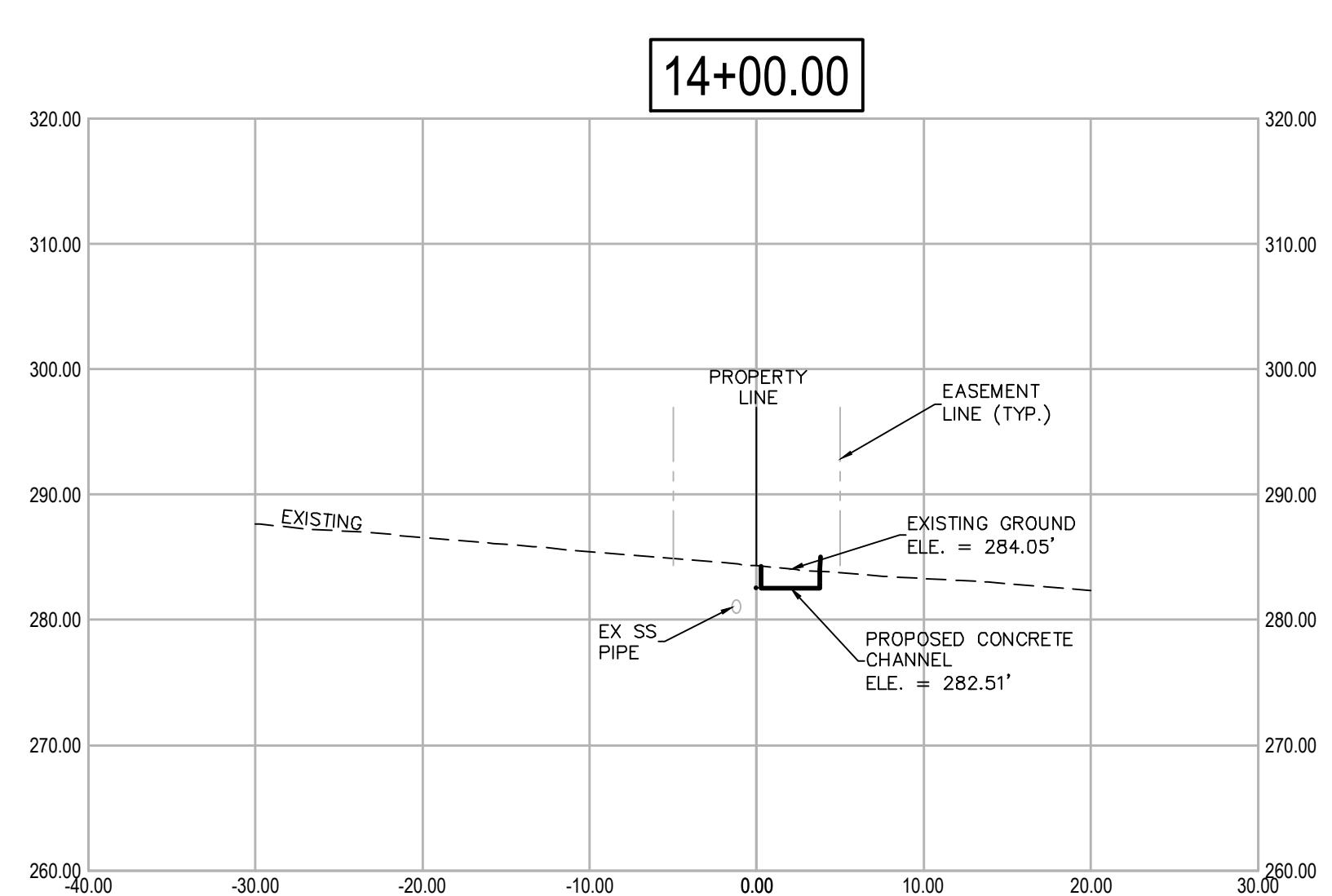
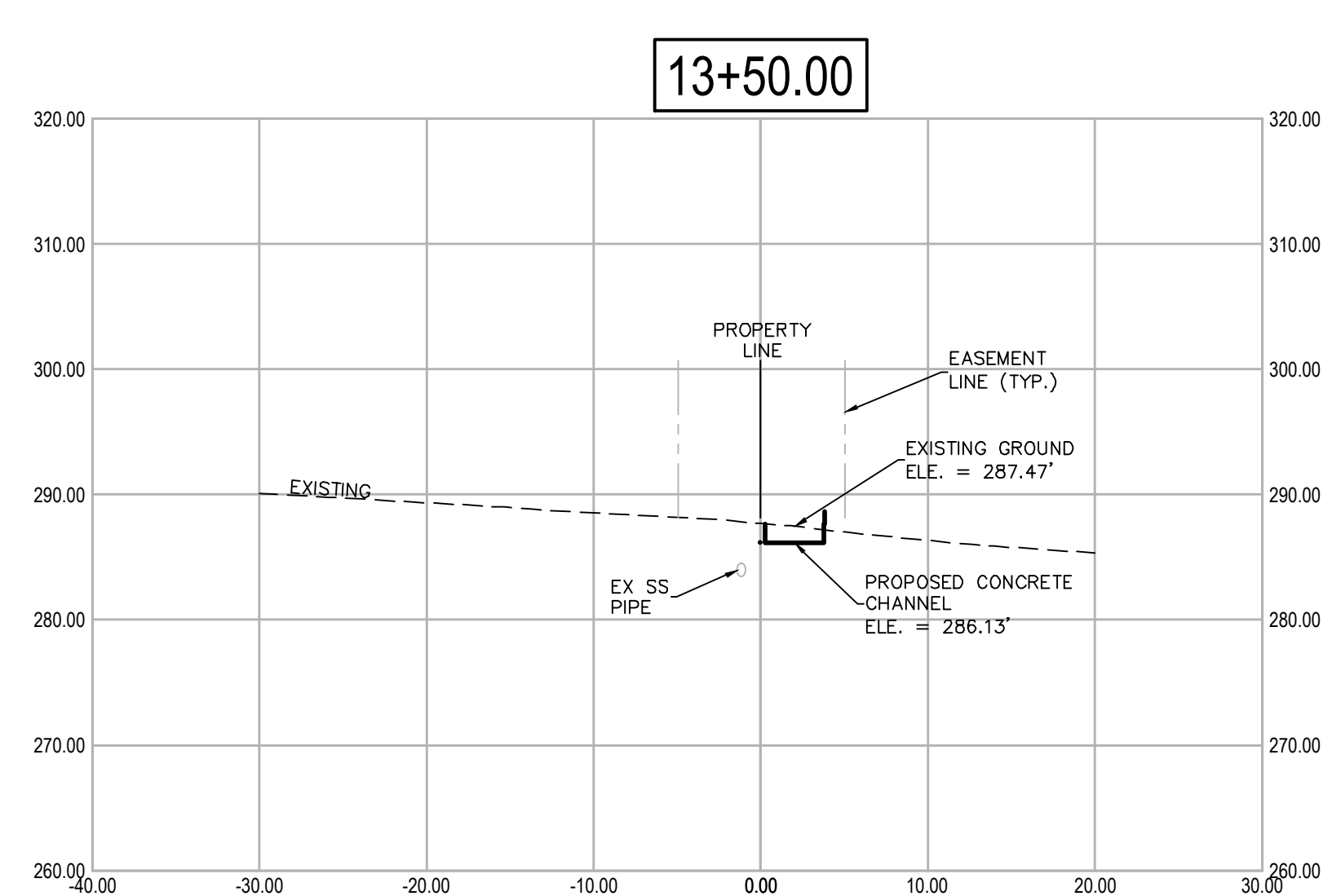
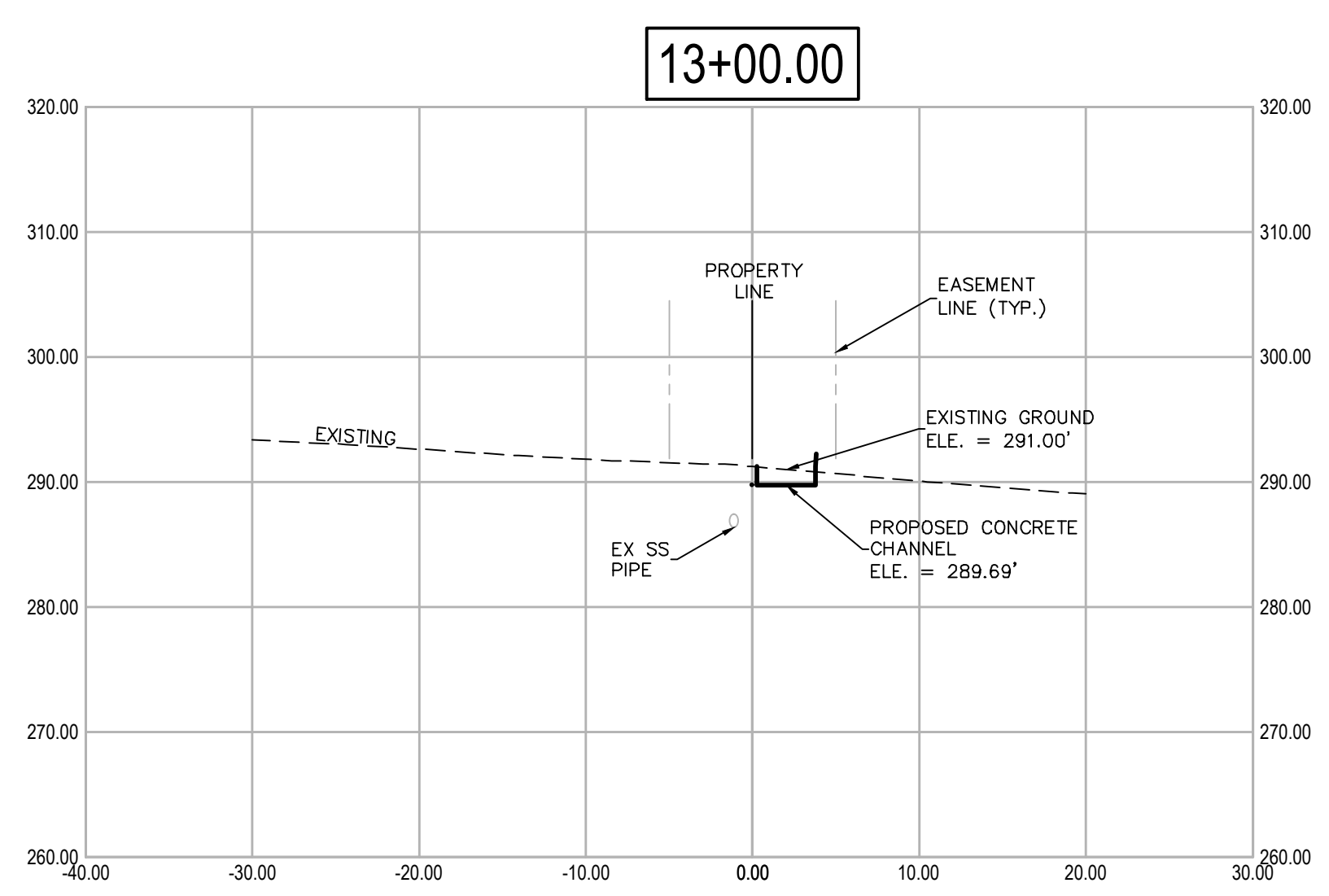
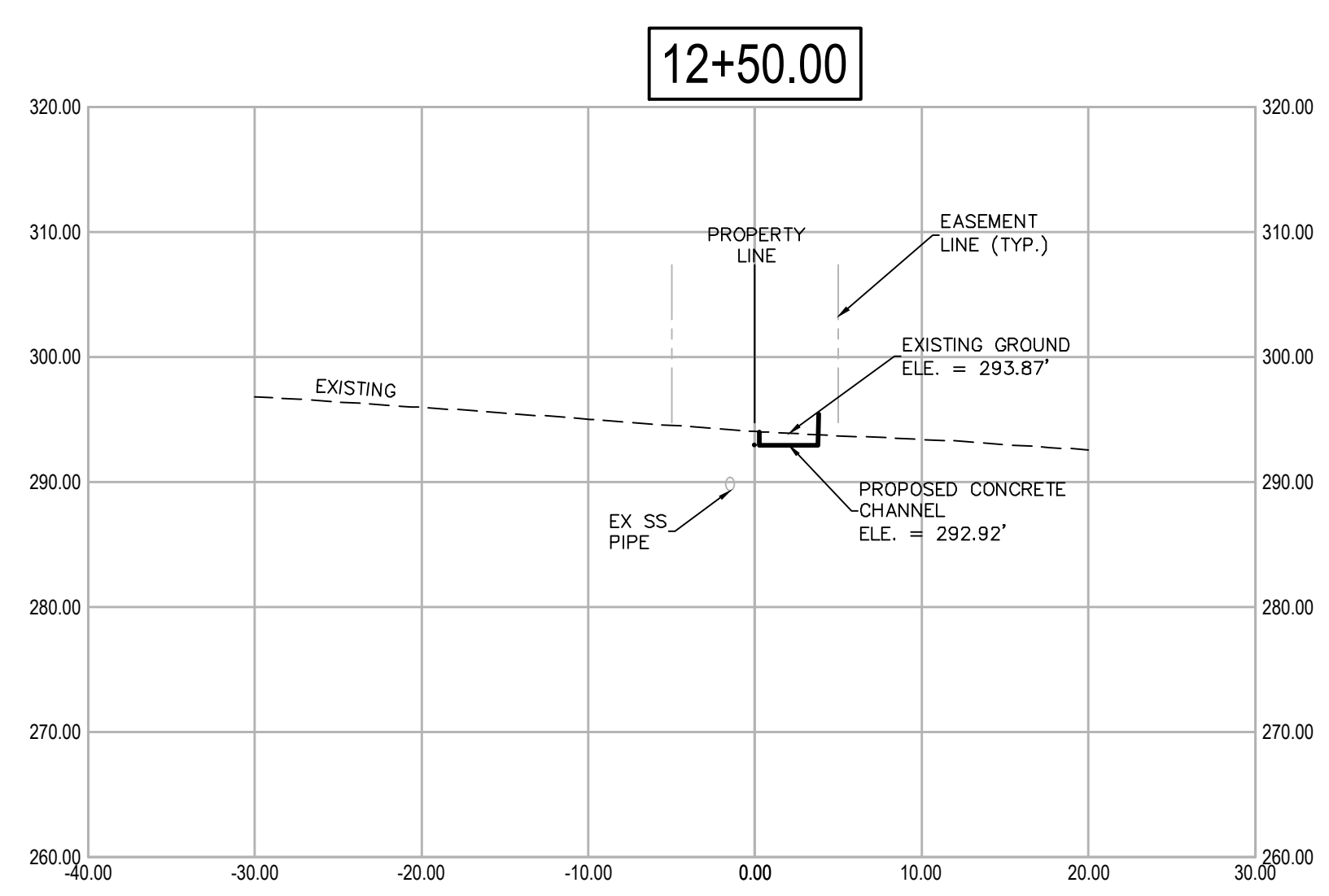
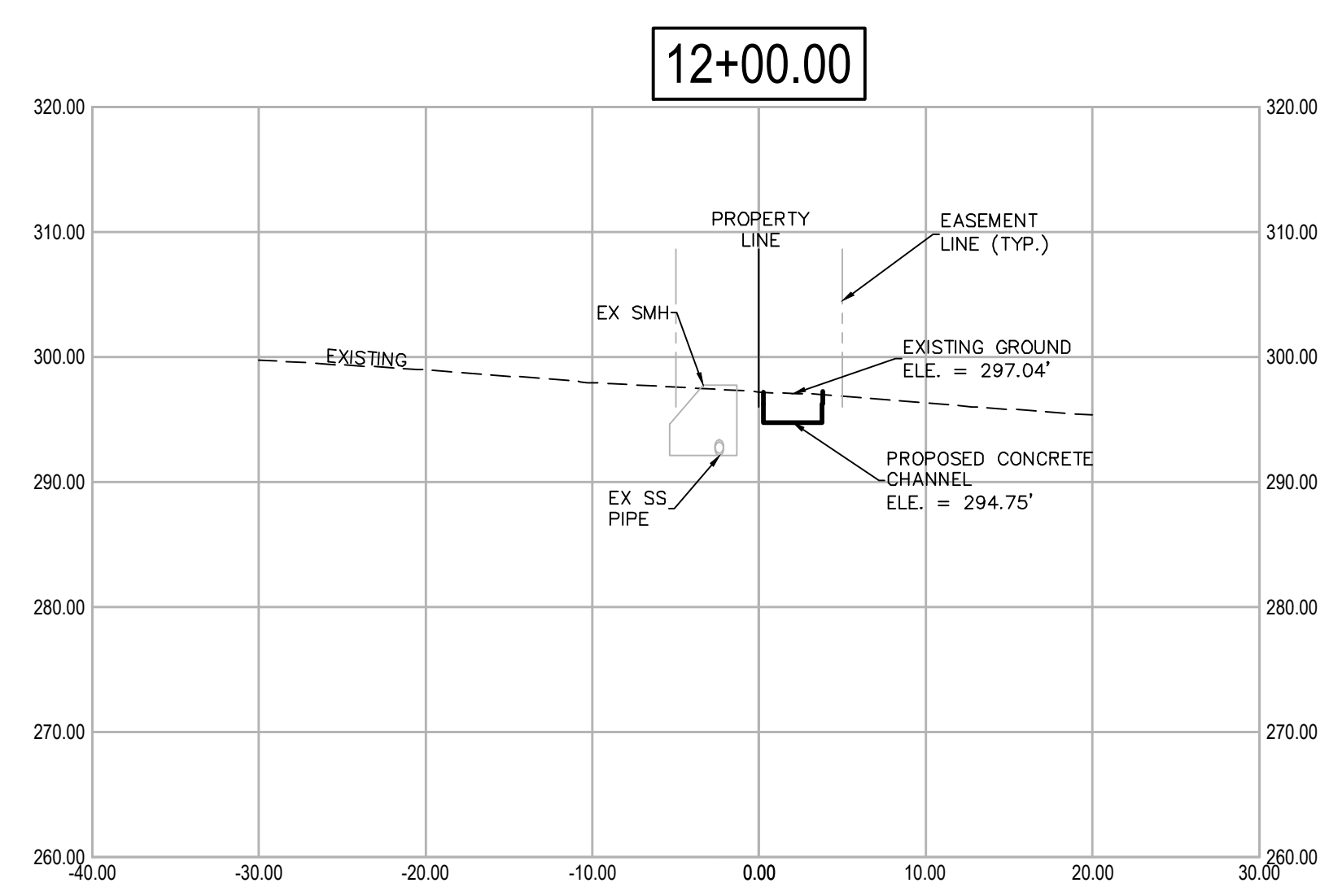
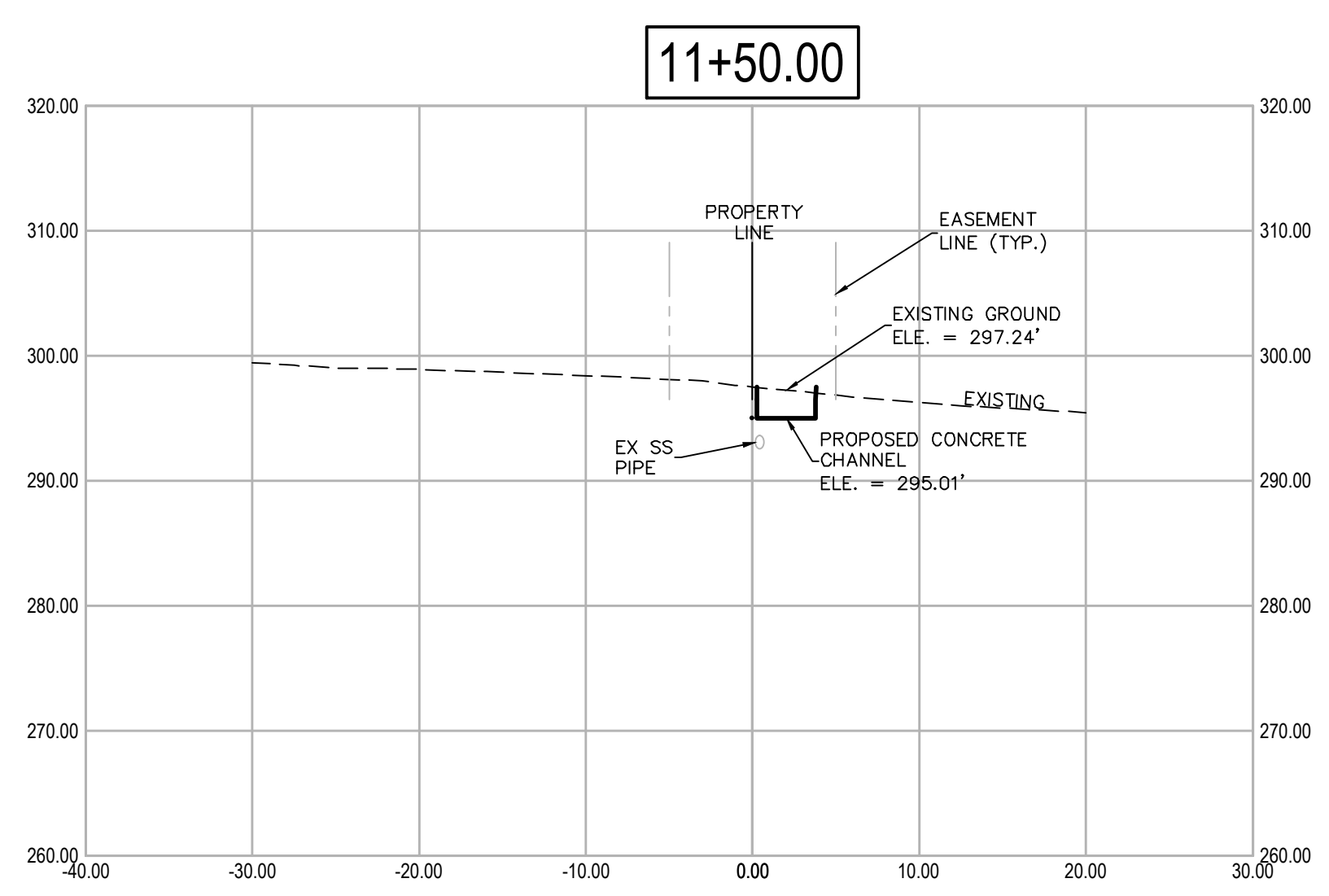
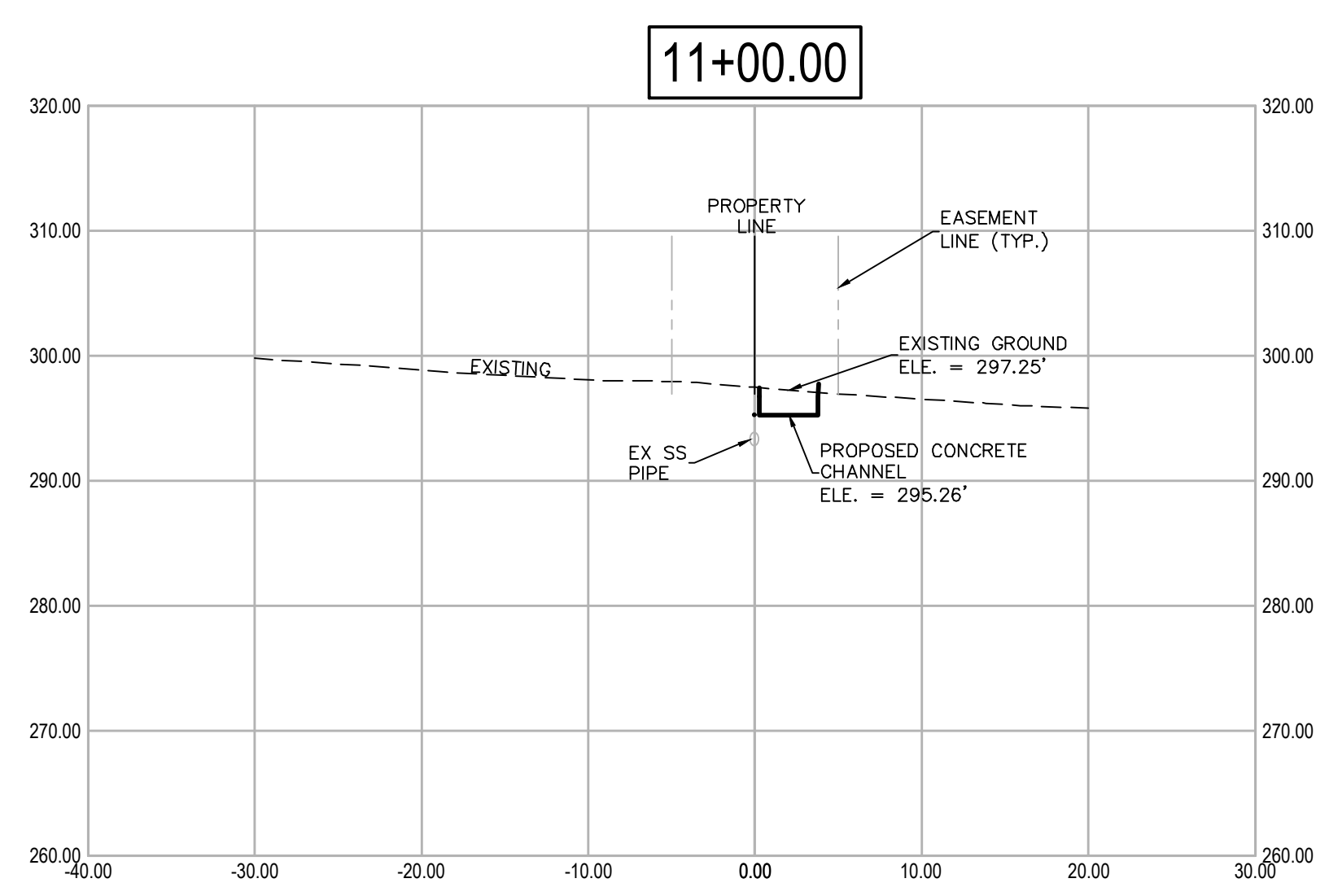
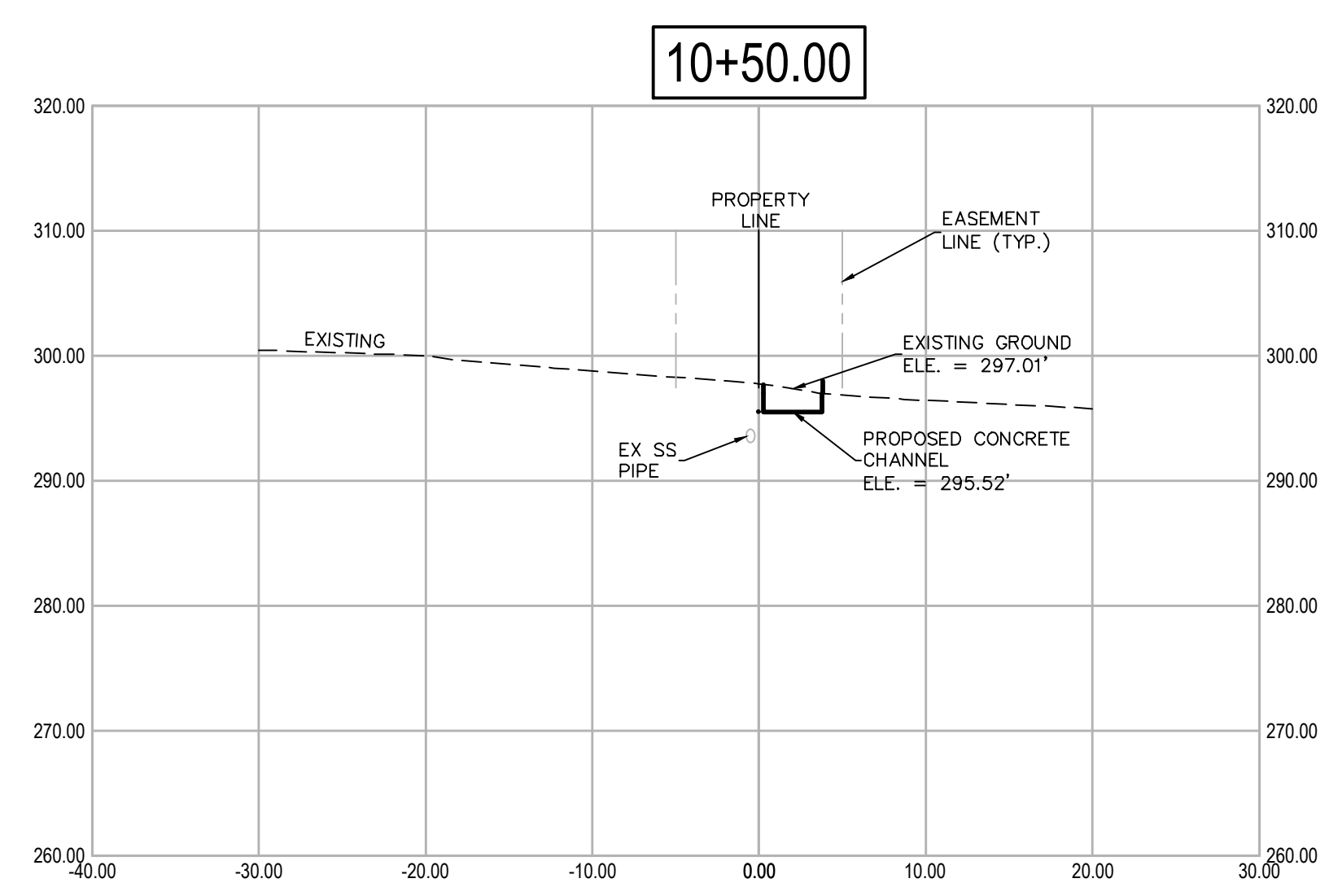
DRAWN BY VSE
DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE NTS
PROJECT NO. 07-22-DR-212
SHEET NO. C3

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
CROSS SECTIONS


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

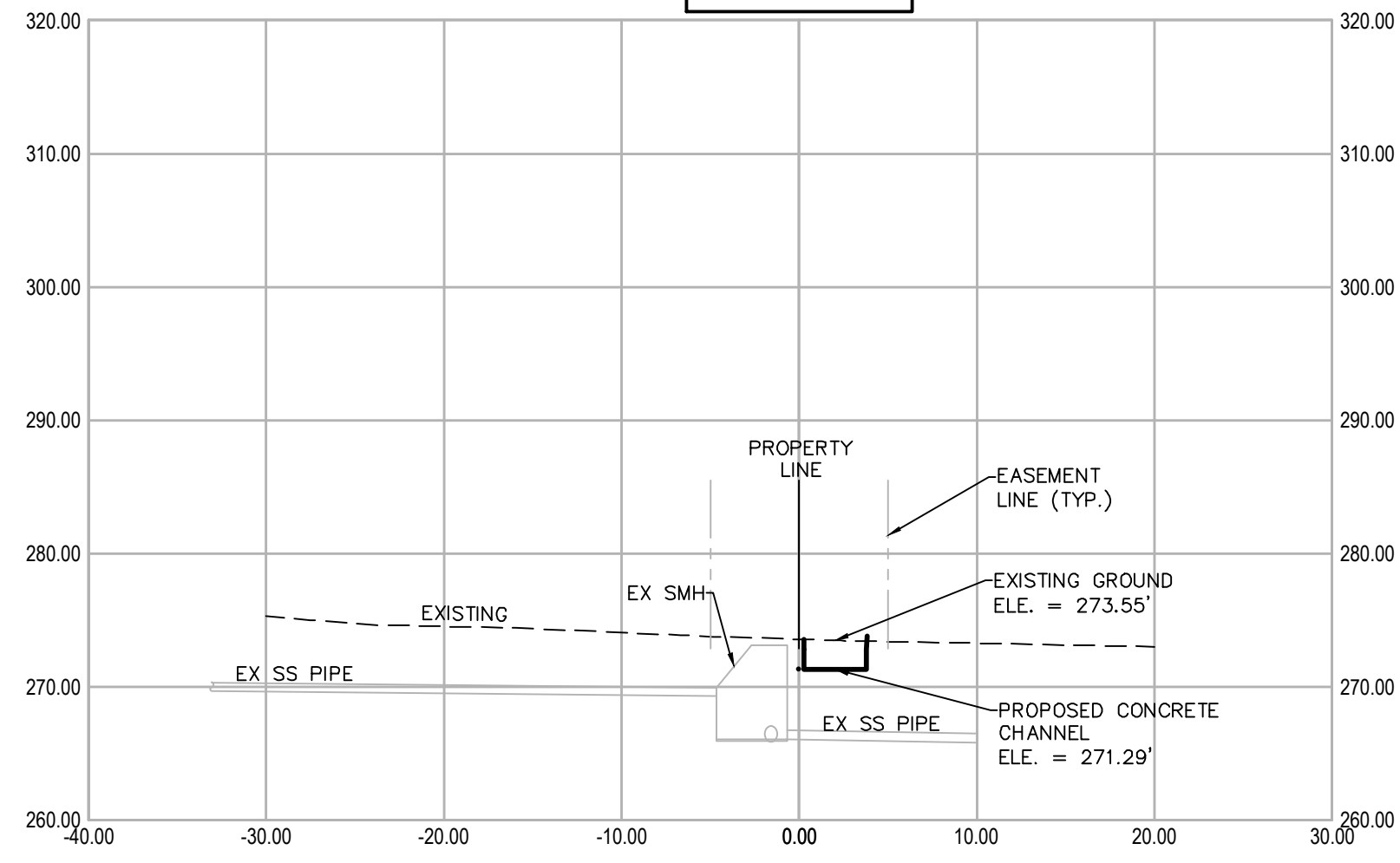

JUSTIN P. CARNEY
DIGITALLY SIGNED 10-01-2024

DRAWN BY
VSE
DESIGNED
VSE
CHECKED
JPC
DATE
9/20/2024
SCALE
NTS
PROJECT NO.
07-22-DR-212
SHEET NO.
C4



GENERAL NOTE:
 1. UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

15+00.00

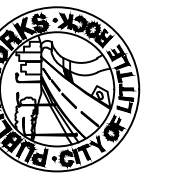


REVISIONS DATE

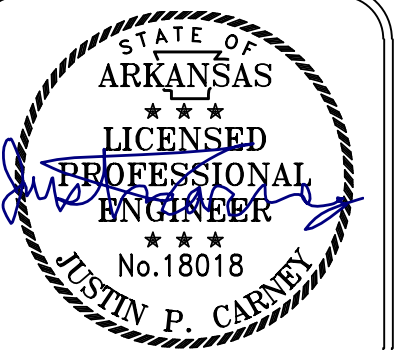
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE

CROSS SECTIONS



DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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VSE
DESIGNED
VSE
CHECKED
JPC
DATE
9/20/2024
SCALE
NTS

PROJECT NO.
07-22-DR-212
SHEET NO.

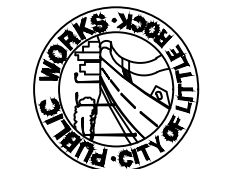
C5

GENERAL NOTE:
1. UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.



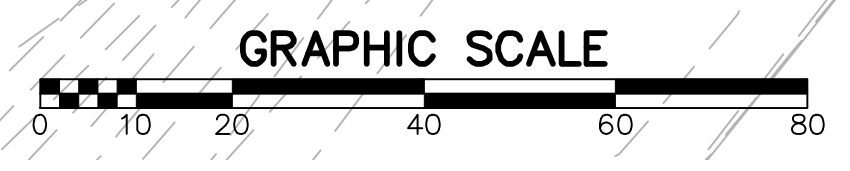
REVISIONS	DATE

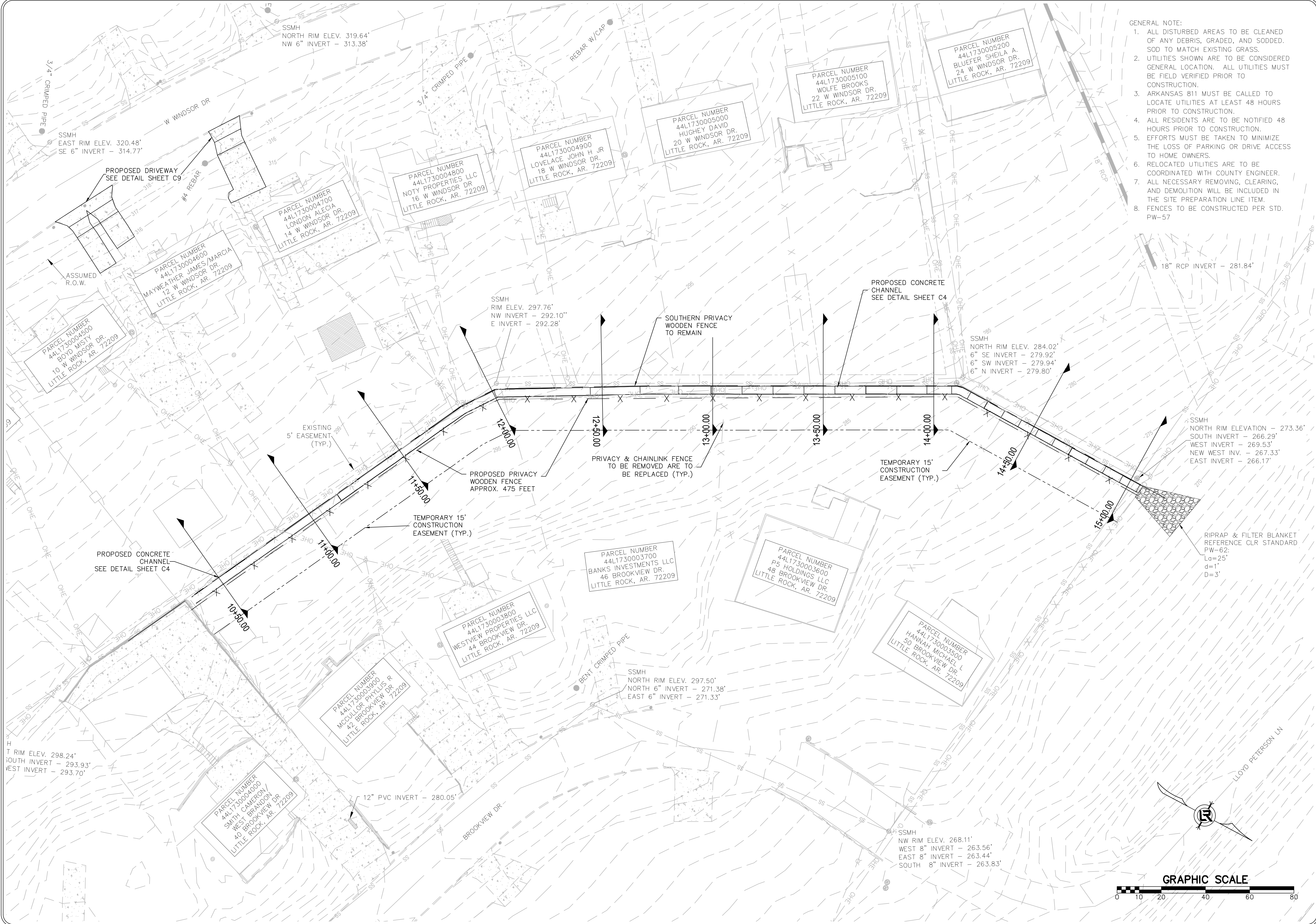
CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
 EXISTING LAYOUT


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201


 DIGITALLY SIGNED 10-01-2024

DRAWN BY VSE
DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE 1"=20'
PROJECT NO. 07-22-DR-212
SHEET NO. C6





- GENERAL NOTE:
1. ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
 2. UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 3. ARKANSAS 811 MUST BE CALLED TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 4. ALL RESIDENTS ARE TO BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
 5. EFFORTS MUST BE TAKEN TO MINIMIZE THE LOSS OF PARKING OR DRIVE ACCESS TO HOME OWNERS.
 6. RELOCATED UTILITIES ARE TO BE COORDINATED WITH COUNTY ENGINEER.
 7. ALL NECESSARY REMOVING, CLEARING, AND DEMOLITION WILL BE INCLUDED IN THE SITE PREPARATION LINE ITEM.
 8. FENCES TO BE CONSTRUCTED PER STD. PW-57

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS

WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE

PROPOSED LAYOUT

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS

LICENSED PROFESSIONAL ENGINEER

JUSTIN P. CARMY

No. 18018

DIGITALLY SIGNED 10-01-2024

DRAWN BY
VSE

DESIGNED
VSE

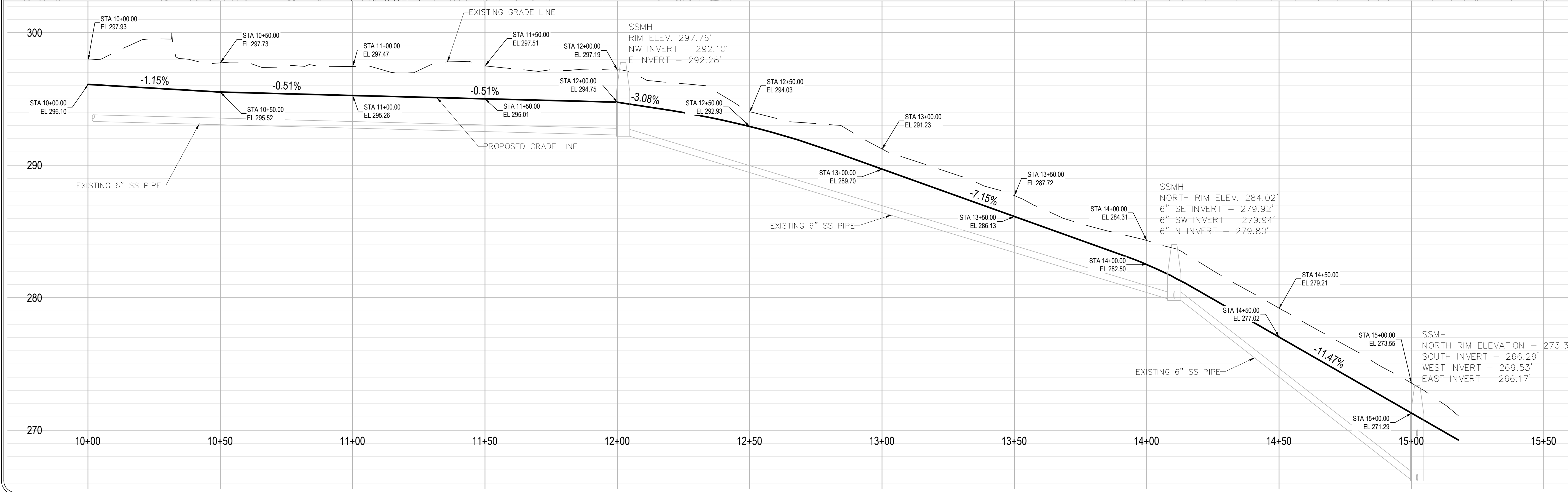
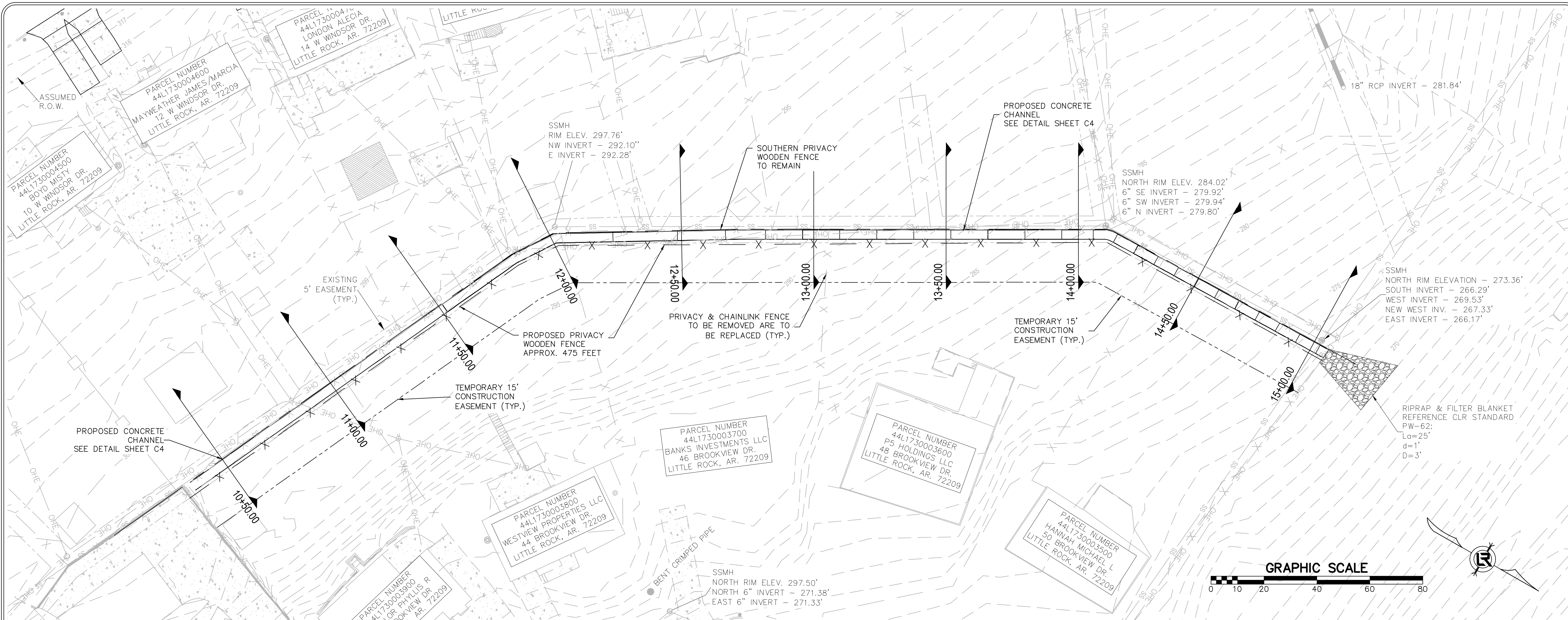
CHECKED
JPC

DATE
9/20/2024

SCALE
1"=20'

PROJECT NO.
07-22-DR-212

SHEET NO.
C7



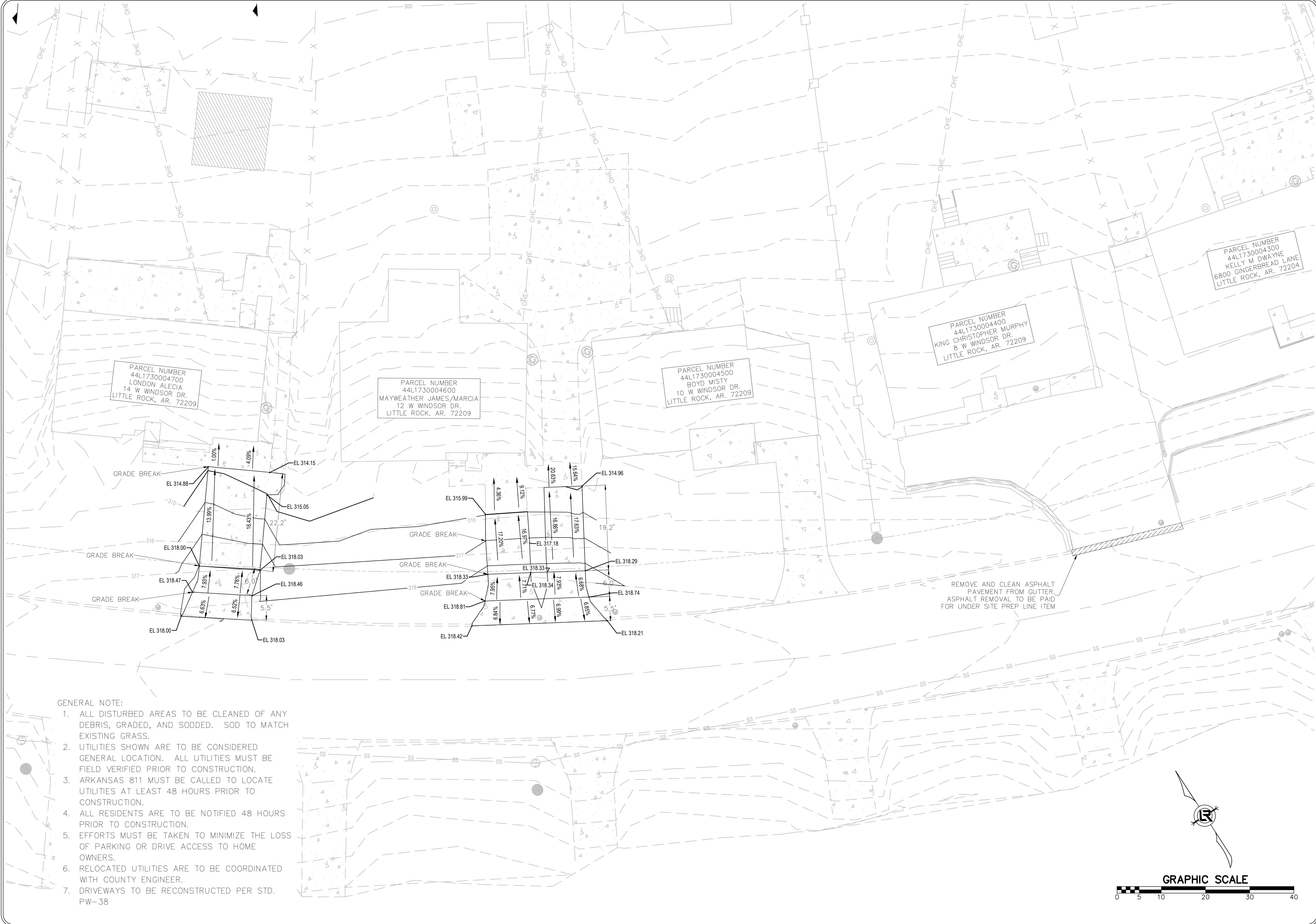
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
PLAN & PROFILE

DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

JUSTIN P. CAREY
 No. 18018
 DIGITALLY SIGNED 10-01-2024

DRAWN BY VSE
DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE 1"=20'
PROJECT NO. 07-22-DR-212
SHEET NO. C8



- GENERAL NOTE:
1. ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
 2. UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 3. ARKANSAS 811 MUST BE CALLED TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 4. ALL RESIDENTS ARE TO BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
 5. EFFORTS MUST BE TAKEN TO MINIMIZE THE LOSS OF PARKING OR DRIVE ACCESS TO HOME OWNERS.
 6. RELOCATED UTILITIES ARE TO BE COORDINATED WITH COUNTY ENGINEER.
 7. DRIVEWAYS TO BE RECONSTRUCTED PER STD. PW-38

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
 PROPOSED DRIVEWAY LAYOUT

DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201


STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 18018
 JUSTIN P. CARMY
 DIGITALLY SIGNED 10-01-2024

DRAWN BY VSE
 DESIGNED VSE
 CHECKED JPC
 DATE 9/20/2024
 SCALE 1"=10'
 PROJECT NO. 07-22-DR-212
 SHEET NO. 09



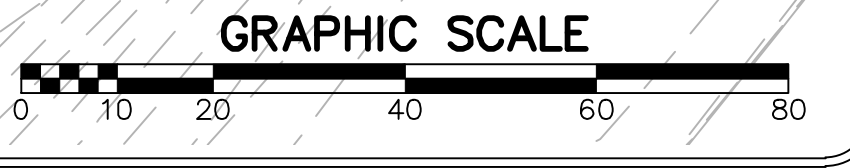
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
EROSION CONTROL PHASE 1


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201


 JUSTIN P. CAREY
 No. 18018
DIGITALLY SIGNED 10-01-2024

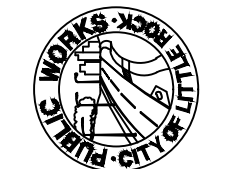
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DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE 1"=20'
PROJECT NO. 07-22-DR-212
SHEET NO. C10





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WINDSOR DRIVE / BROOKVIEW DRIVE DRAINAGE
EROSION CONTROL PHASE 2


 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201


 DIGITALLY SIGNED 10-01-2024

DRAWN BY JAA
DESIGNED VSE
CHECKED JPC
DATE 9/20/2024
SCALE 1"=20'
PROJECT NO. 07-22-DR-212
SHEET NO. C11

