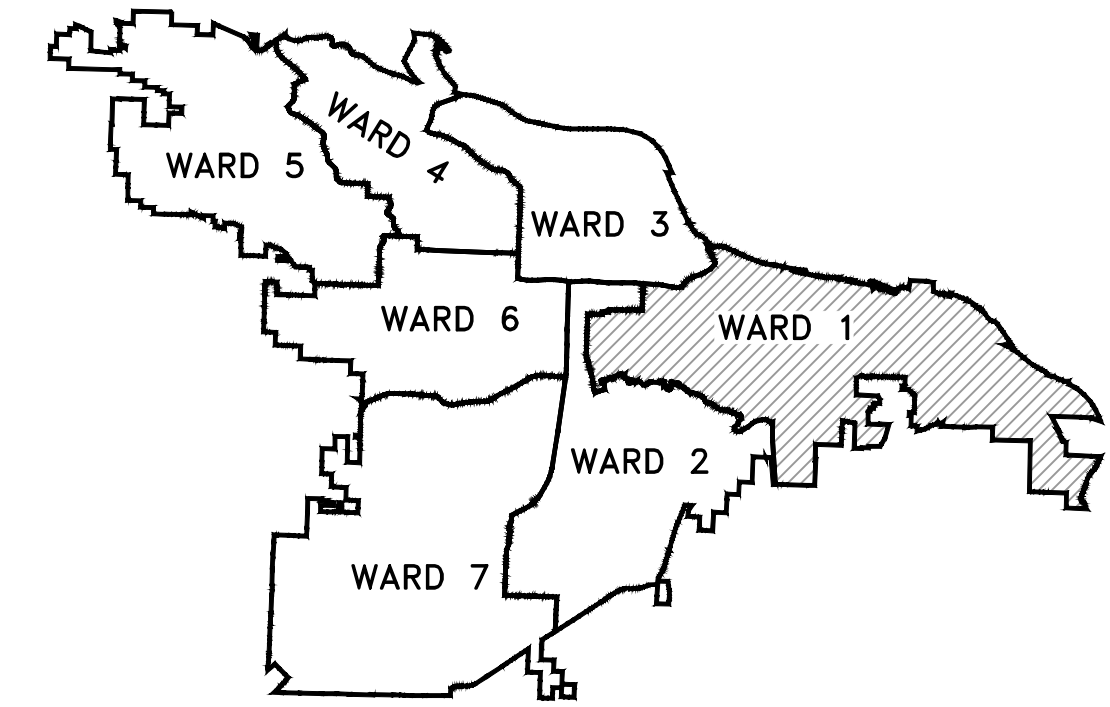
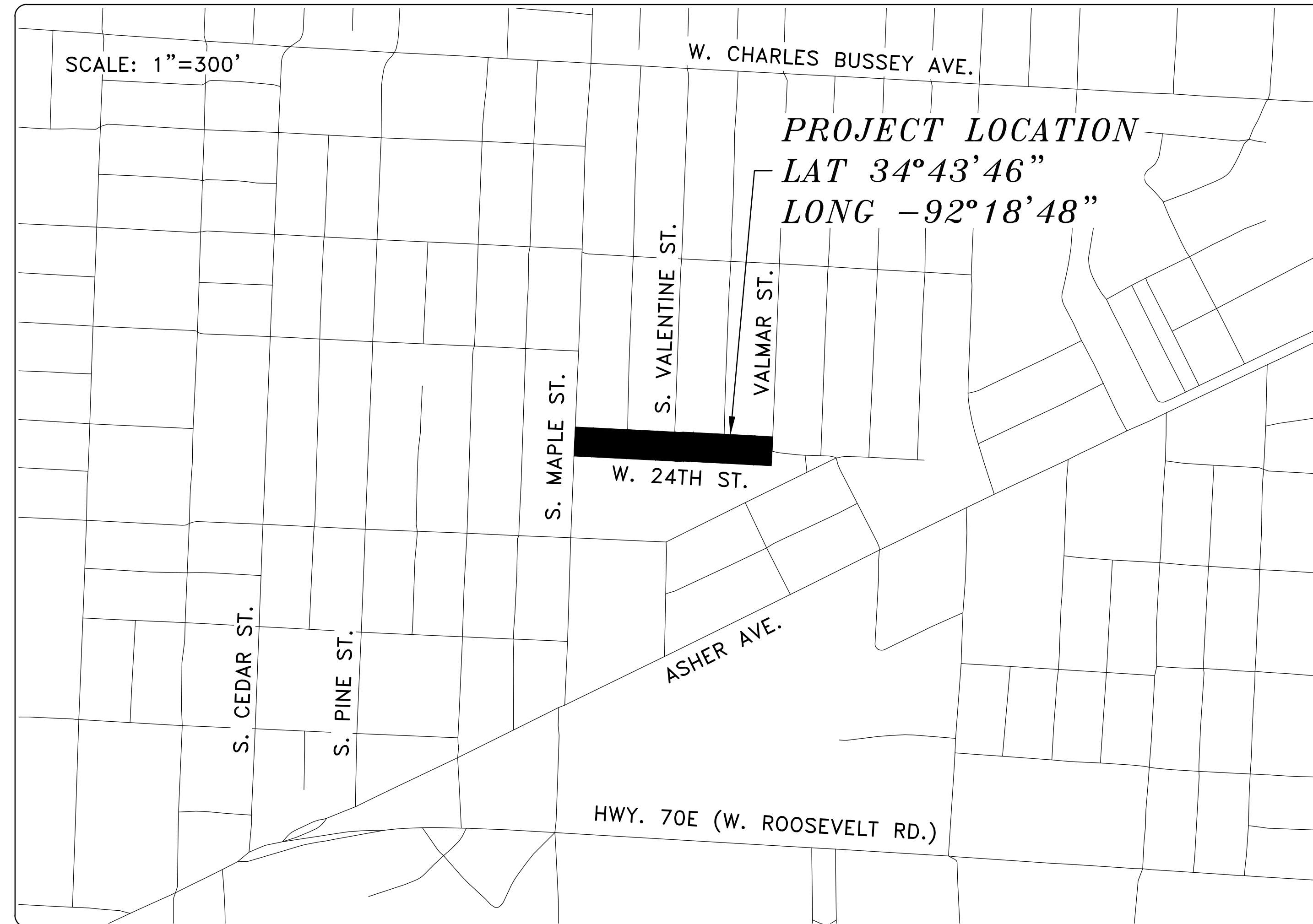
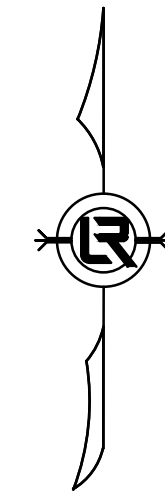


# W. 24TH ST. VALMAR ST. TO VALENTINE ST. 60% SUBMITTAL

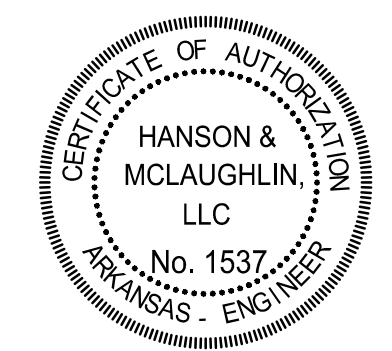


PROJECT LOCATION - WARD 1

SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND AND QUANTITIES
C3	TYPICAL SECTIONS
C4	EXISTING CONDITIONS
C5	PLAN AND PROFILE
C6	PLAN AND PROFILE
C7	DRIVEWAY PLANS
C8	CROSS SECTIONS
C9	SURVEY CONTROL PLAN
C10	EROSION CONTROL PHASE 1
C11	EROSION CONTROL PHASE 2
C12	EROSION CONTROL PHASE 3



Know what's below.  
Call before you dig.



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

**HANSON & MCLAUGHLIN, LLC**  
320 EXECUTIVE COURT, SUITE 202  
LITTLE ROCK, ARKANSAS 72205  
(501) 716-2850

REVISIONS DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
COVER SHEET

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



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PROJECT NO.  
01-17-ST-41  
SHEET NO.  
C1

CLR PROJECT 01-17-ST-41  
W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
OCTOBER 7, 2024

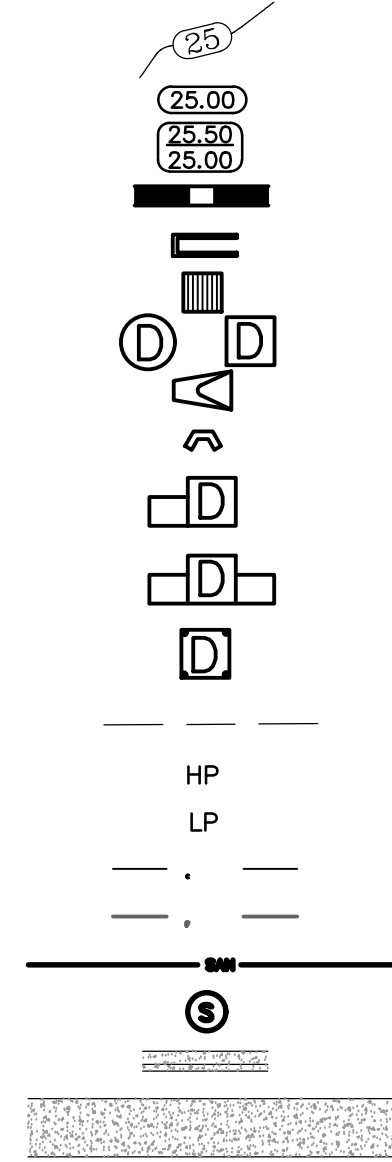
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	Site Preparation (Incl. Mobilization)	LS	1
3.01	Unclassified Excavation	CY	443
3.06	Borrow Material	CY	258
4.01	Aggregate Base Course	TON	253
5.01	Tack Coat	GAL	20
6.01	ACHM Surface Course	TON	110
7.04	Concrete Driveway (6" Thick), Standard Finish	SF	331
7.08	Alley Turnout (6" Thick)	SF	205
8.03	Concrete Curb and Gutter (Class 3)	LF	464
9.04	Concrete Sidewalk (4" Thick)	SF	522
10.04	Curb Inlet - 4' Box	EA	1
10.04	Curb Inlet - 7'x4' Box	EA	2
10.80	Rebuild Inlet Top	EA	2
13.61	Tie Into Existing Curb Inlet	EA	1
13.18C	Storm Drain Pipes, 18", Cross Drain	LF	26
13.18S	Storm Drain Pipes, 18", Side Drain	LF	26
13.18A	Storm Drain Pipes, 22"x13" Arch Pipe Cross Drain	LF	128
14.01	Solid Sodding (Bermuda) Includes 4" Topsoil	SY	258
16.01	Maintenance of Traffic	LS	1
17.01	Pavement Repairs	SY	30
18.50	Access Ramp	SF	309
18.55	Water for Dust Control	GAL	10,000
19.01	Final Clean-Up	LS	1
22.10	Mailbox Relocation	EA	1
23.01	B Stone	TON	50
24.01	Construction Entrance (CO)	EA	4
24.06	Sediment Barrier, Silt Fence (SD1)	EA	4
24.09	Sediment Barrier, Block (SD4)	EA	4
24.11	Silt Fence - Type A (SFA)	LF	550
24.18	Disturbed Area Stabilization - Permanent Grassing (TS3)	AC	0
25.04	Fence Chain Link (4')	LF	14
25.16	Fence Wood (6')	LF	39
26.10	Trench & Excavation Safety	LS	1
30.01	Remove Existing Sign	EA	4
30.02	Relocate Existing Sign	EA	1
SP	As-Built Survey	LS	1

EXISTING

- IRON ROD ○ IR
- PK NAIL ○ PK
- R.R. SPIKE ○ RR(Sp)
- CONC. MONUMENT □ CM
- WATER VALVE ✕ WV
- WATER METER □ WM
- FIRE HYDRANT ◊ FH
- GAS METER ◊ GM
- GAS VALVE ⊗ GV
- CLEAN-OUT ○ CO
- GUARD POST (BOLLARD) ● GP
- SIGN POST —
- BENCHMARK —
- STORM SEWER MANHOLE (D)
- SANITARY SEWER MANHOLE (S)
- TELEPHONE MANHOLE (T)
- ELECTRIC MANHOLE (E)
- TELEPHONE BOX (TB)
- ELECTRIC BOX (EB)
- CABLE BOX (CB)
- UTILITY POLE (UP)
- GUY WIRE (GW)
- LIGHT POLE (LP)
- POST OR POLE (TYPE AS NOTED) (P)
- MAILBOX (MB)
- DECIDUOUS TREE (DT)
- EVERGREEN/CONIFEROUS TREE (ET)
- BUSH (B)
- PROPERTY LINE (---)
- SETBACK LINE (---)
- EASEMENT LINE (---)
- CURB (---)
- FENCE (--- X --- X ---)
- OVERHEAD UTILITY (---)
- UNDERGROUND TELEPHONE (---)
- UNDERGROUND ELECTRIC (---)
- WATER LINE (---)
- SEWER LINE (--- SAN ---)
- GAS LINE (---)
- STORM SEWER/CULVERT (--- 24" CMP/RCP/DIP ---)
- CONTOUR LINE (--- 650 ---)

PROPOSED

- CONTOUR (25)
- SPOT ELEVATION (25.00, 25.50, 25.00)
- SPOT CURB ELEVATION (25.00, 25.50, 25.00)
- STORM SEWER - PIPE
- STORM SEWER - MITERED END SECTION
- STORM SEWER - GRATE INLET
- STORM SEWER - JUNCTION BOX
- STORM SEWER - FLARED END SECTION
- STORM SEWER - HEADWALL
- STORM SEWER - INLET WITH SINGLE EXTENSION
- STORM SEWER - INLET WITH DOUBLE EXTENSION
- STORM SEWER - AREA INLET
- GRADE BREAK LINE
- HIGH POINT (HP)
- LOW POINT (LP)
- CUT LINE
- FILL LINE
- SANITARY SEWER PIPE
- SANITARY SEWER MANHOLE
- CURB
- CONCRETE
- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BLANKETS (Mb)



REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
LEGEND AND QUANTITIES

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



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**KMH**  
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**10-7-2024**  
SCALE  
**N.T.S.**  
PROJECT NO.  
**01-17-ST-41**  
SHEET NO.  
**C2**

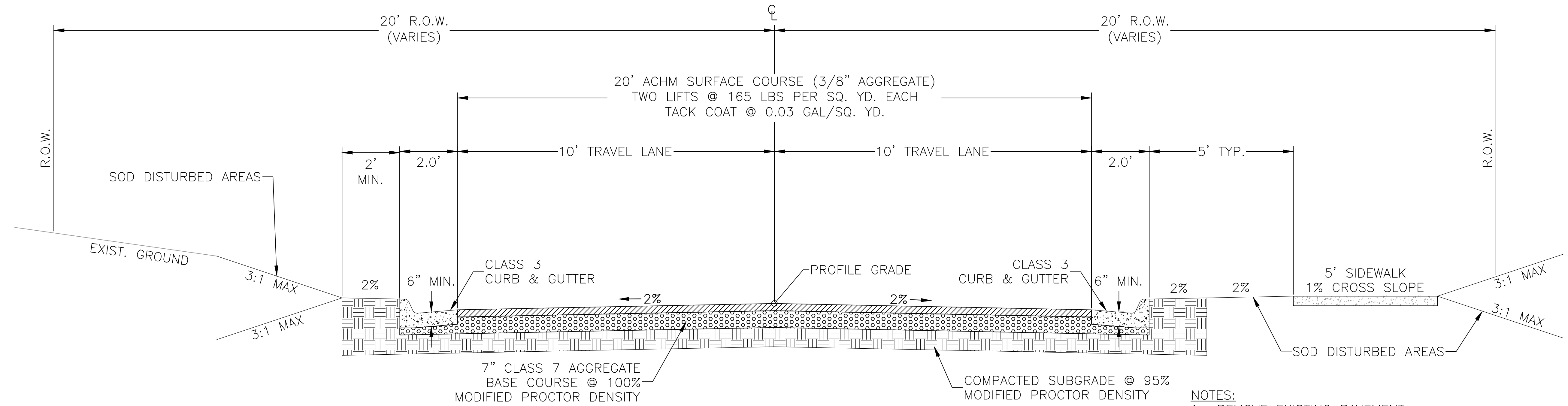
REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
 CITY OF LITTLE ROCK, ARKANSAS  
 TYPICAL SECTIONS

DEPARTMENT OF PUBLIC WORKS  
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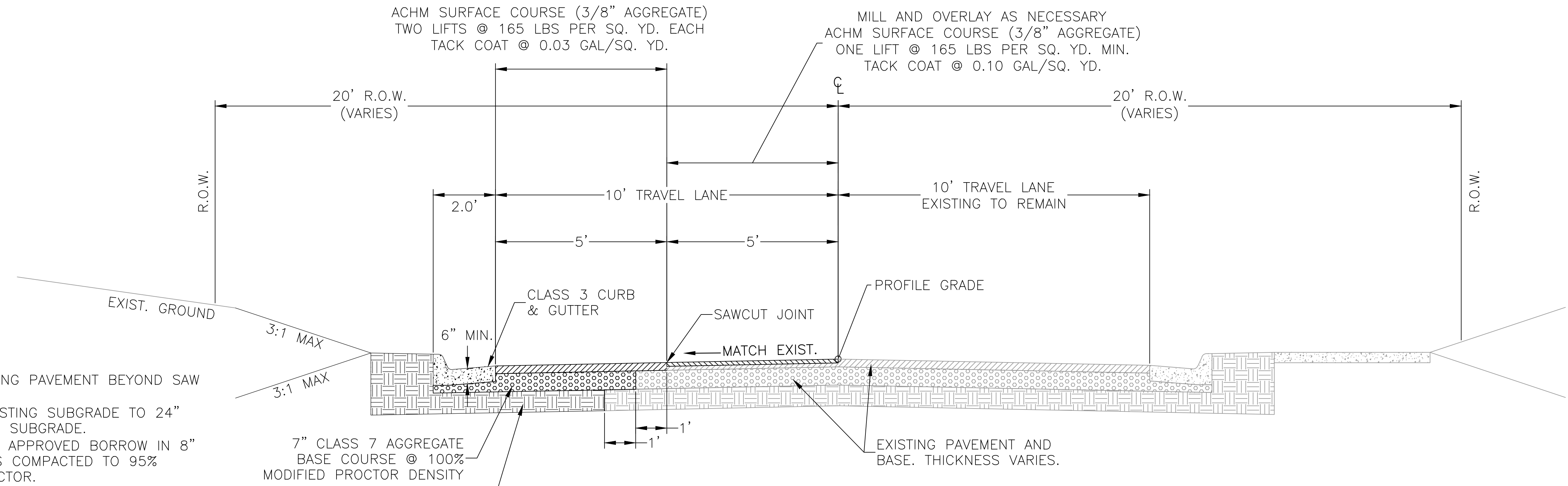
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 KMH  
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 N.T.S.  
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 01-17-ST-41  
 SHEET NO.  
 C3



## RECONSTRUCTION SECTION

STA 12+84 TO 13+36  
 STA 15+25 TO STA 16+74

- NOTES:
1. REMOVE EXISTING PAVEMENT.
  2. UNDERCUT EXISTING SUBGRADE TO 24" BELOW DESIGN SUBGRADE.
  3. BACKFILL WITH APPROVED BORROW IN 8" MAXIMUM LIFTS COMPACTED TO 95% MODIFIED PROCTOR.
  4. CONSTRUCT NEW STREET IN ACCORDANCE WITH STANDARD DETAIL PW-22.
  5. TRANSITION LANE CROSS SLOPE TO MATCH EXISTING CURBS FOR 50' UNLESS STATED OTHERWISE.

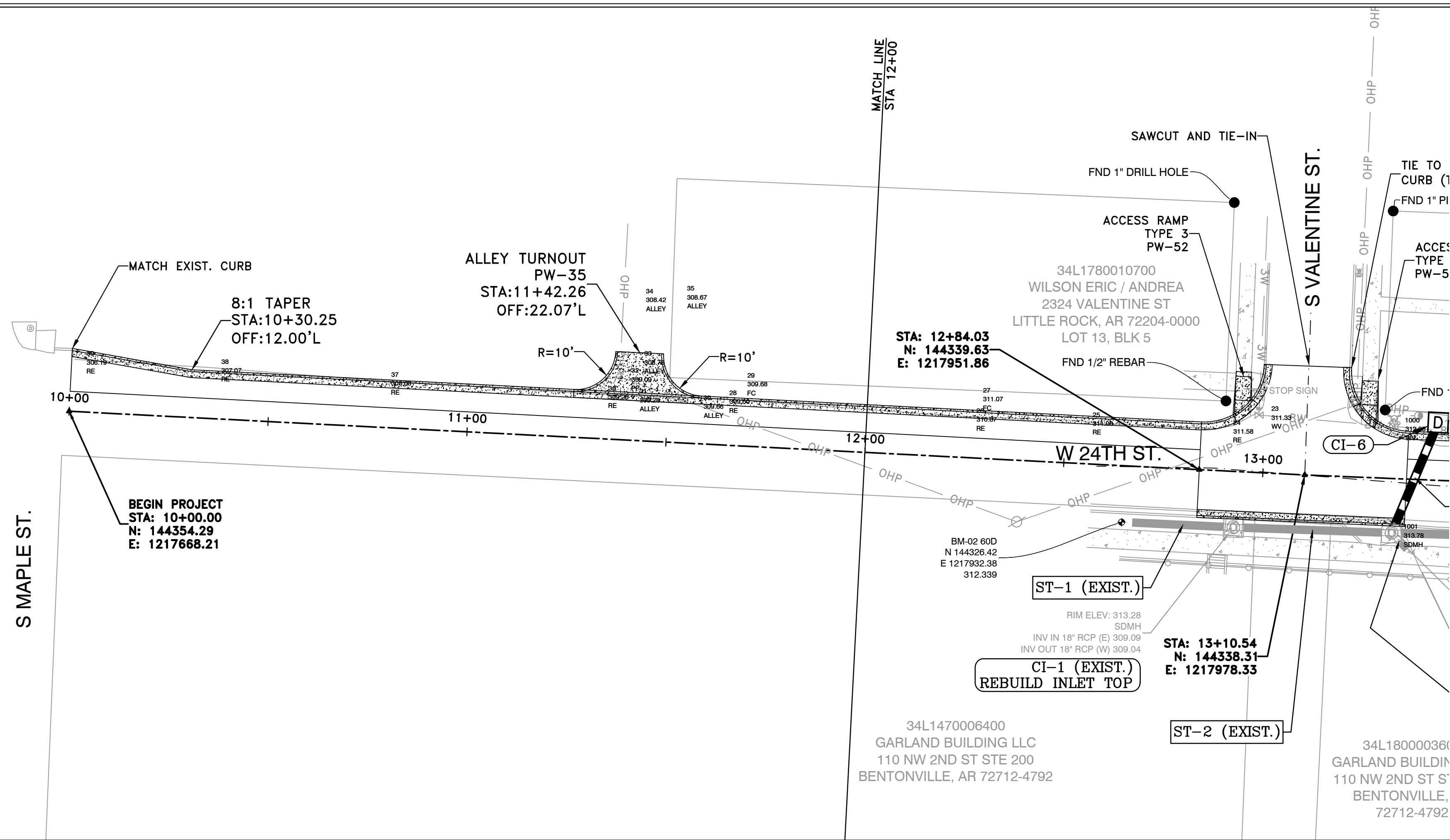
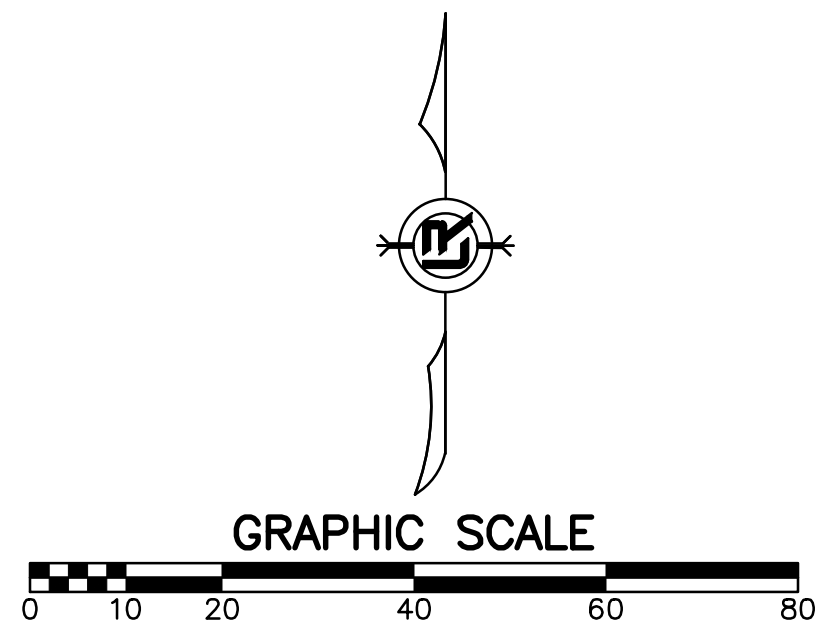


## NOTCH AND WIDEN SECTION

STA 10+00 TO STA 12+84  
 STA 13+36 TO 15+25

- NOTES:
1. REMOVE EXISTING PAVEMENT BEYOND SAW CUT.
  2. UNDERCUT EXISTING SUBGRADE TO 24" BELOW DESIGN SUBGRADE.
  3. BACKFILL WITH APPROVED BORROW IN 8" MAXIMUM LIFTS COMPACTED TO 95% MODIFIED PROCTOR.
  4. CONSTRUCT NEW STREET IN ACCORDANCE WITH STANDARD DETAIL PW-22.
  5. PROVIDE LEVELING COURSE WHERE NECESSARY TO MAINTAIN DESIGN PROFILE.





PROFILE DATA NOT AVAILABLE

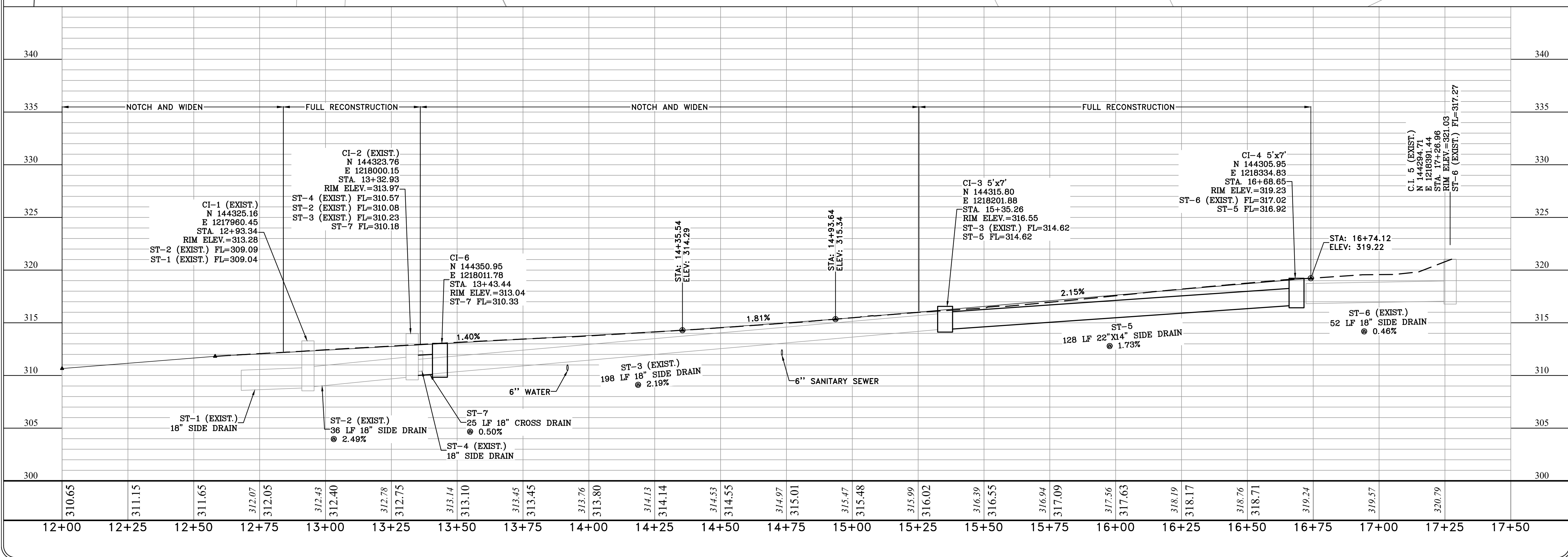
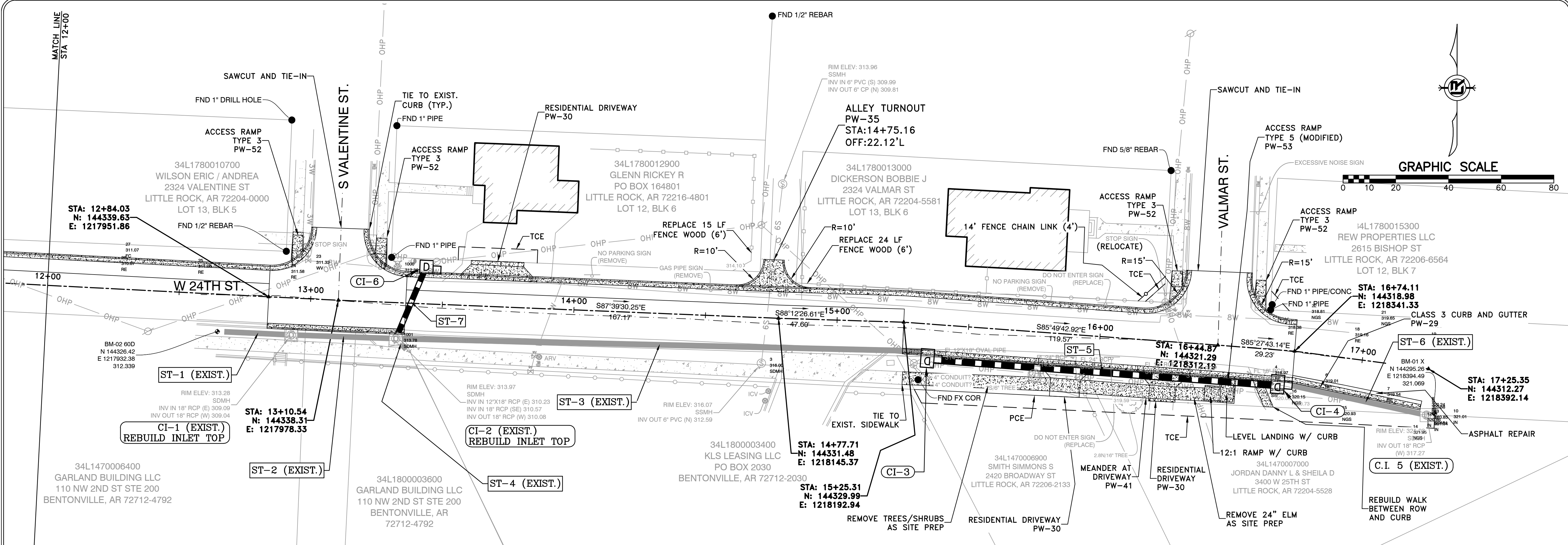
REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
PLAN AND PROFILE  
10+00 TO 12+00

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
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10-7-2024  
SCALE  
1"=20'  
PROJECT NO.  
01-17-ST-41  
SHEET NO.  
C5



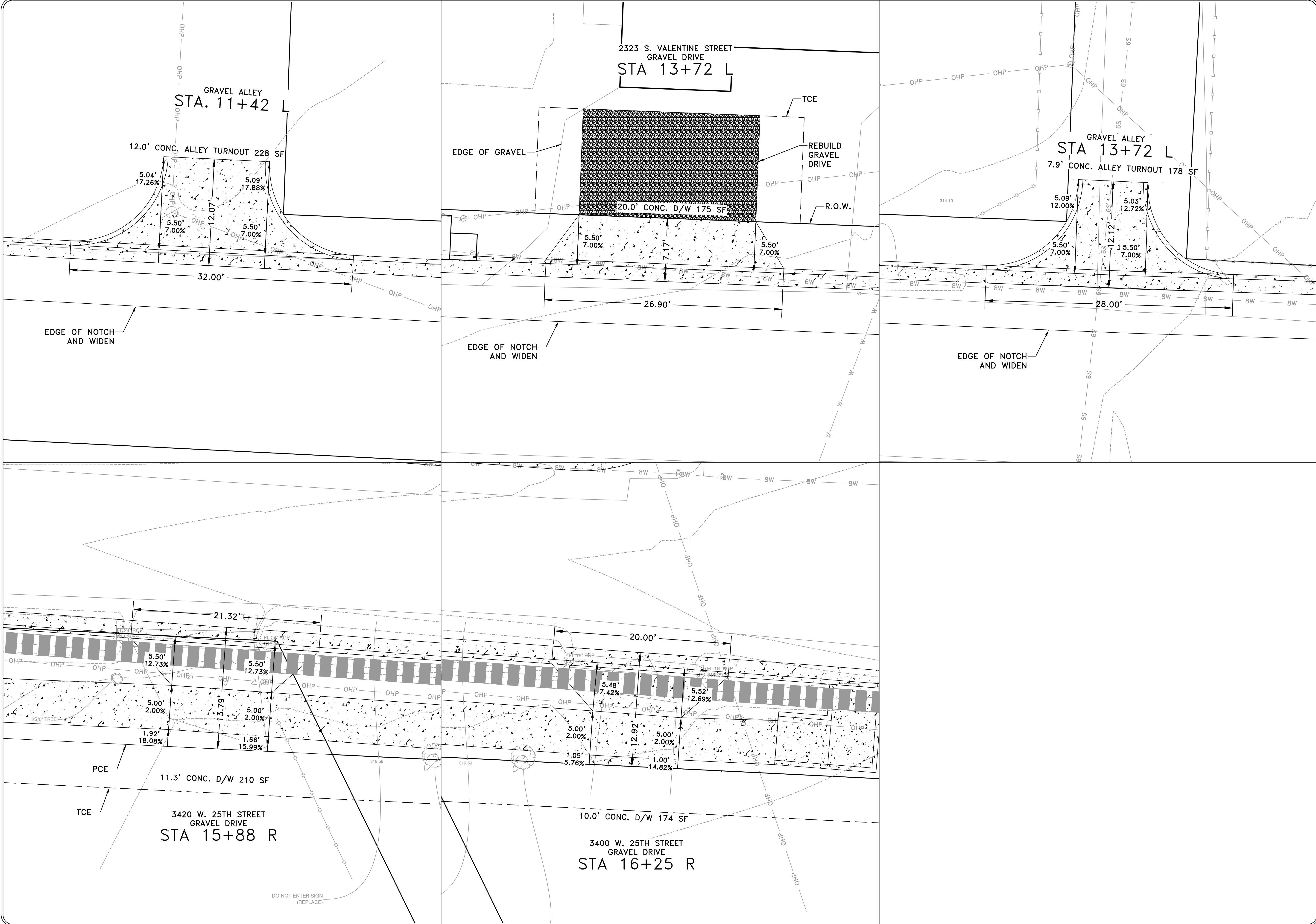
REVISIONS	DATE

**W. 24TH ST. VALMAR ST. TO VALENTINE ST.**  
 CITY OF LITTLE ROCK, ARKANSAS  
**PLAN AND PROFILE**  
 12+00 TO 17+50

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 SCALE  
**1"=20'**  
 PROJECT NO.  
**01-17-ST-41**  
 SHEET NO.  
**C6**



REVISIONS	DATE

**W. 24TH ST. VALMAR ST. TO VALENTINE ST.**  
**CITY OF LITTLE ROCK, ARKANSAS**  
**DRIVEWAY PROFILES**

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**10-7-2024**  
 SCALE  
**1"=20'**  
 PROJECT NO.  
**01-17-ST-41**  
 SHEET NO.  
**C7**

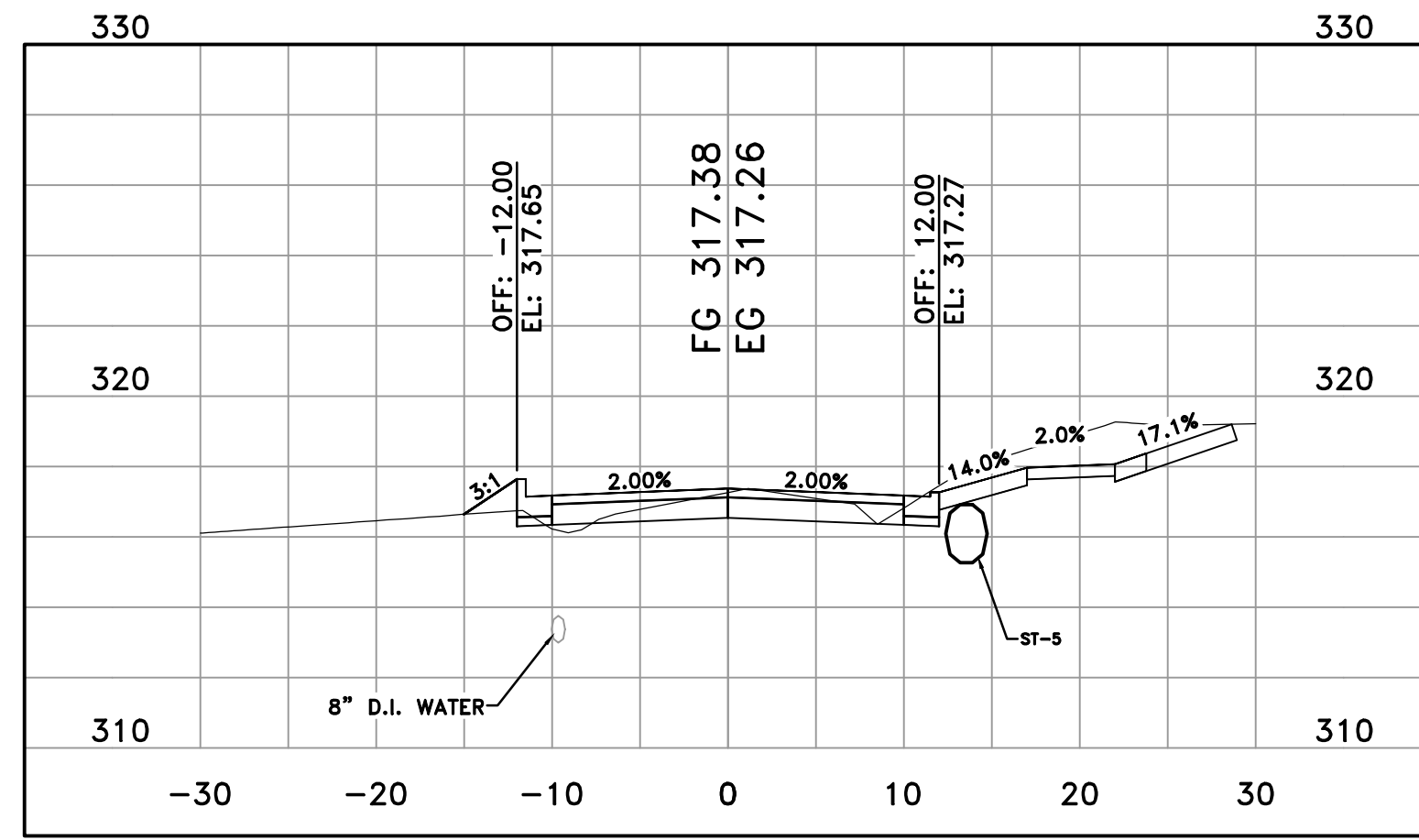
REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
CROSS SECTIONS

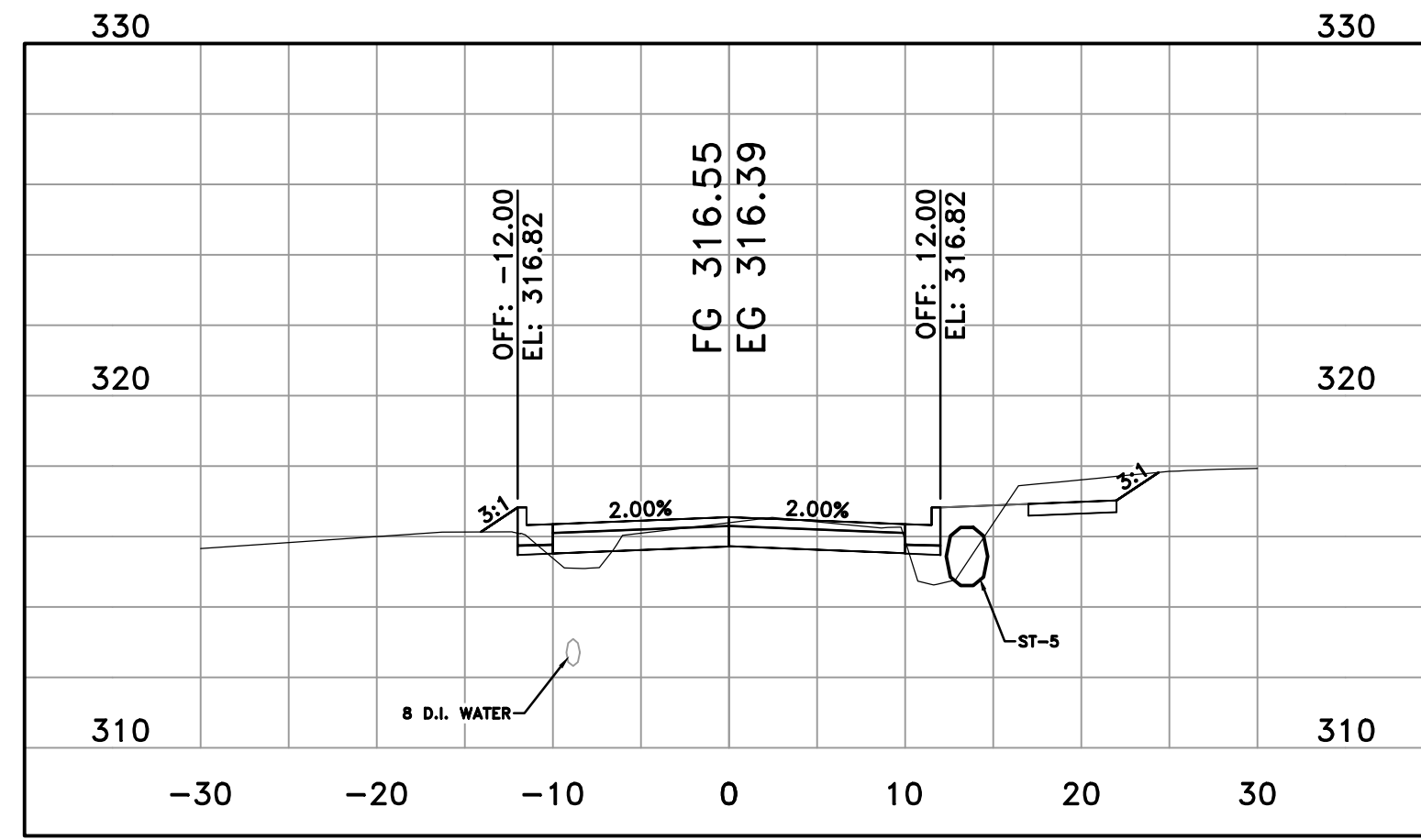
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



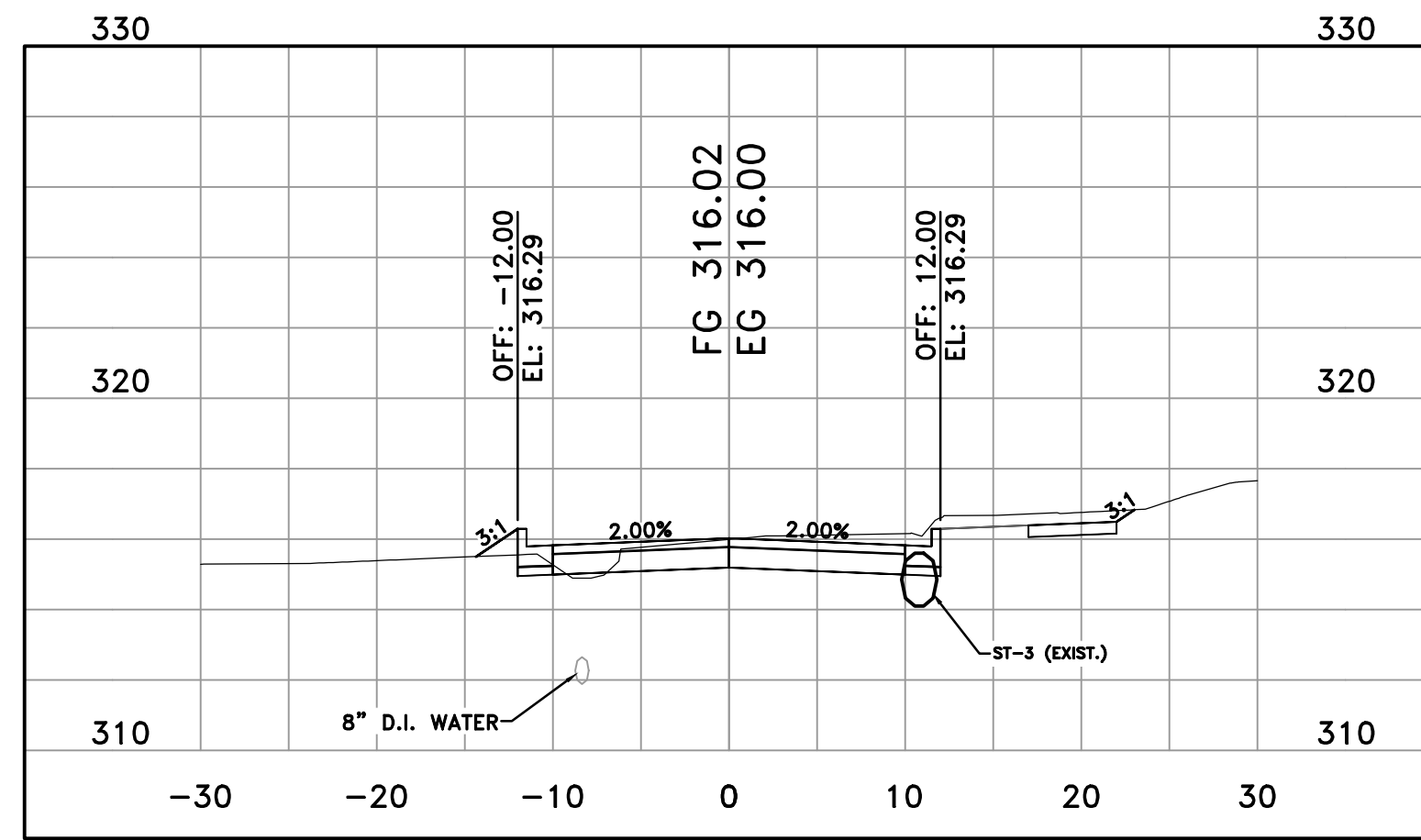
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SCALE  
1"=20'  
PROJECT NO.  
01-17-ST-41  
SHEET NO.  
C8



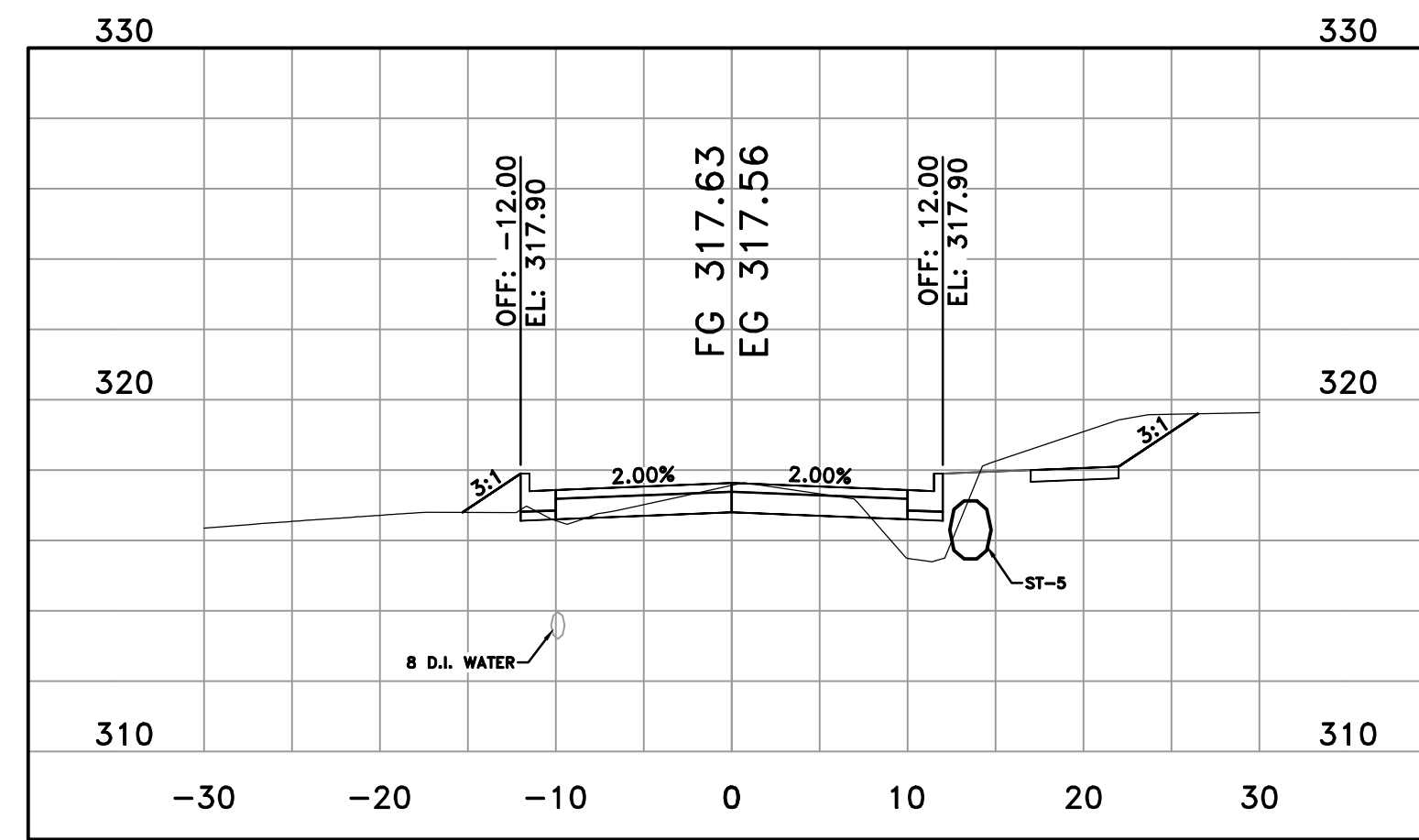
24TH STREET  
15+88



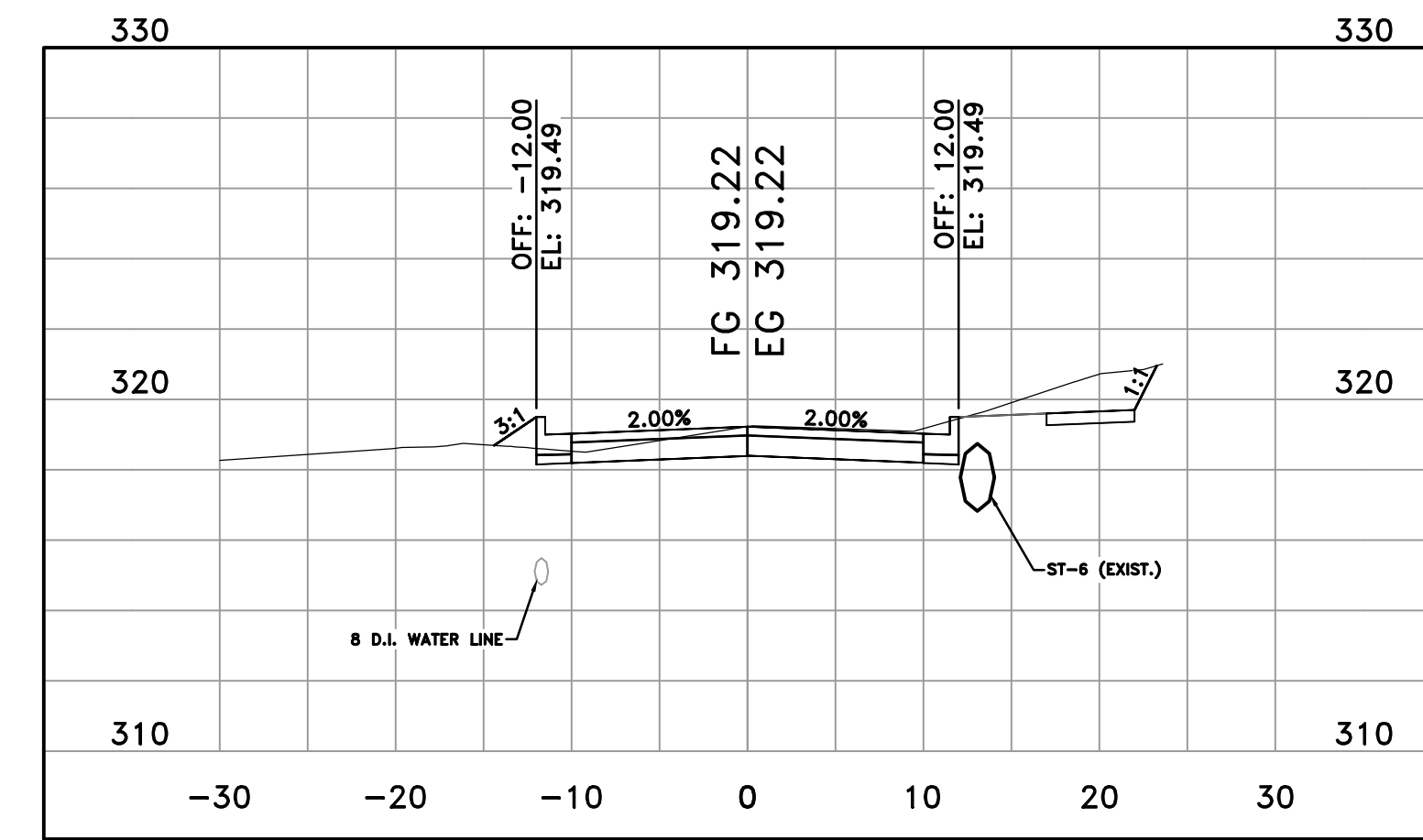
24TH STREET  
15+50



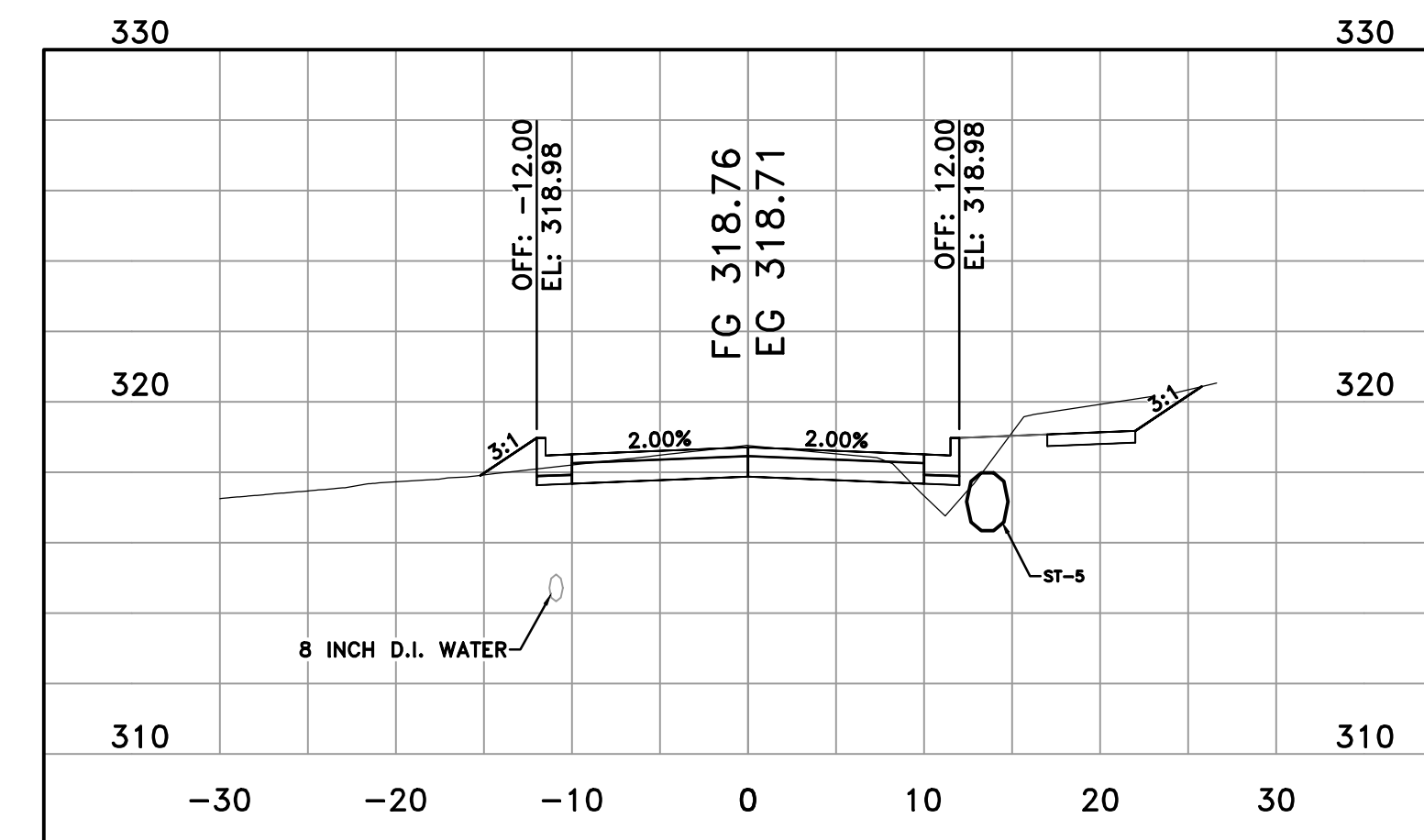
24TH STREET  
15+25



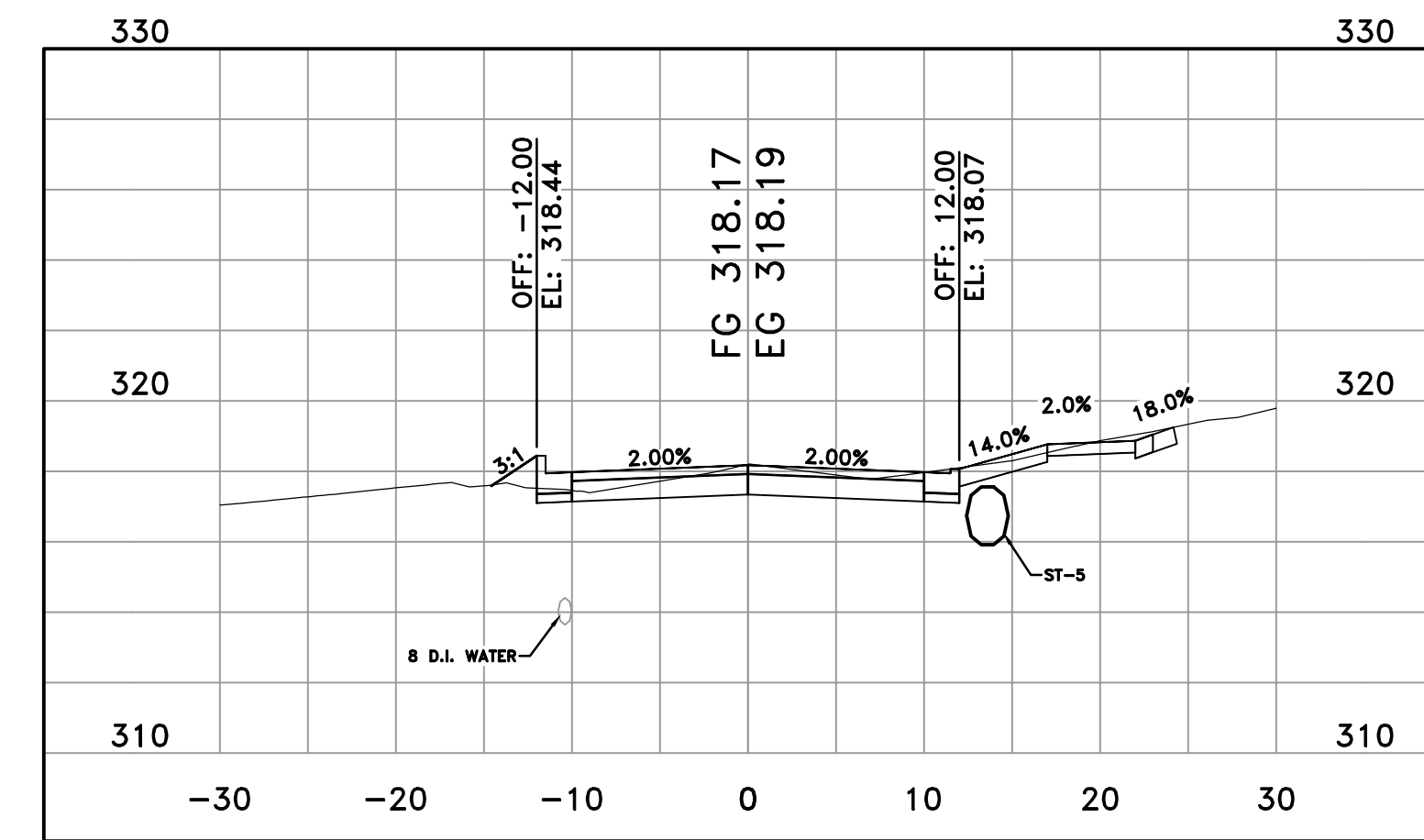
24TH STREET  
16+00



24TH STREET  
16+74

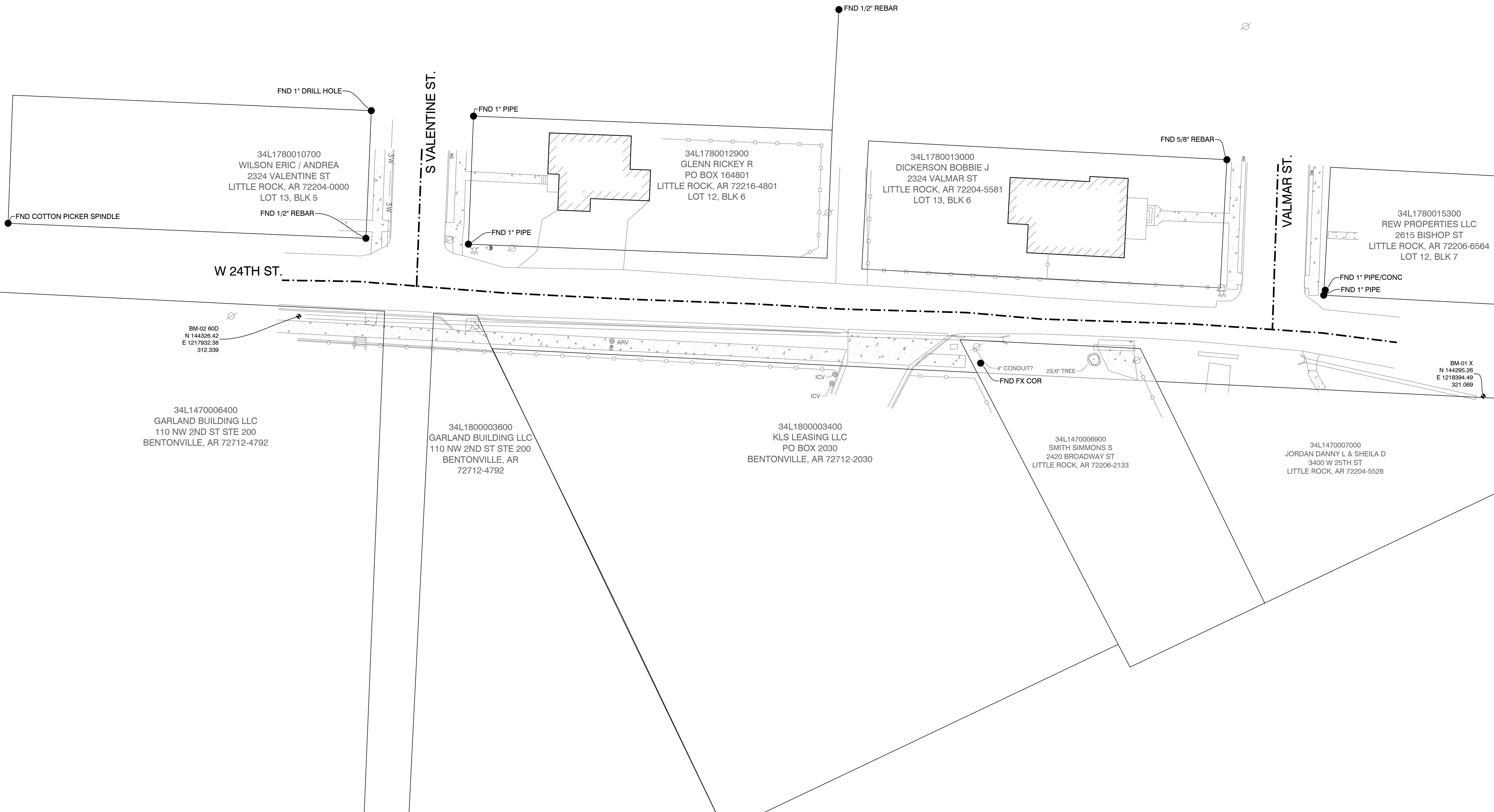
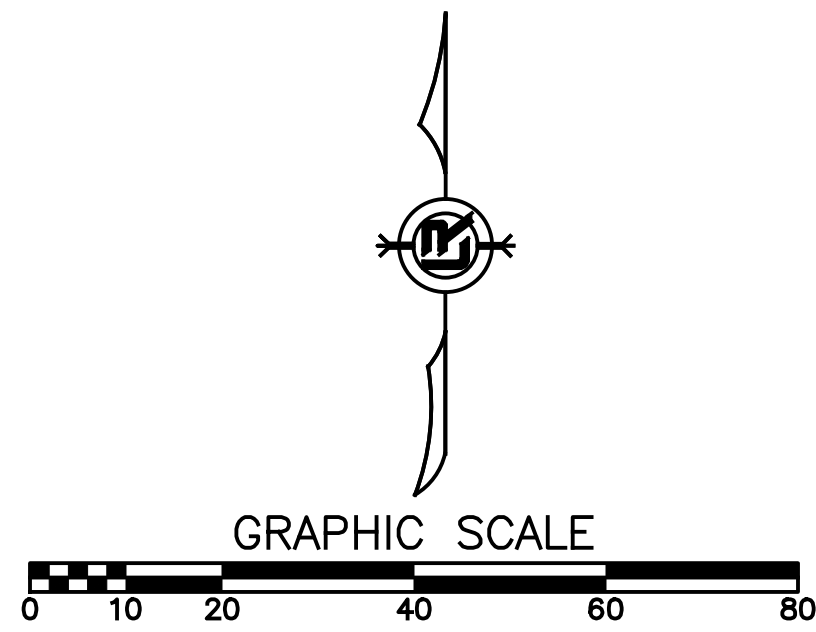


24TH STREET  
16+50



24TH STREET  
16+25






REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
SURVEY CONTROL PLAN

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
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LITTLE ROCK, ARKANSAS 72201




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01-17-ST-41  
SHEET NO.  
C9

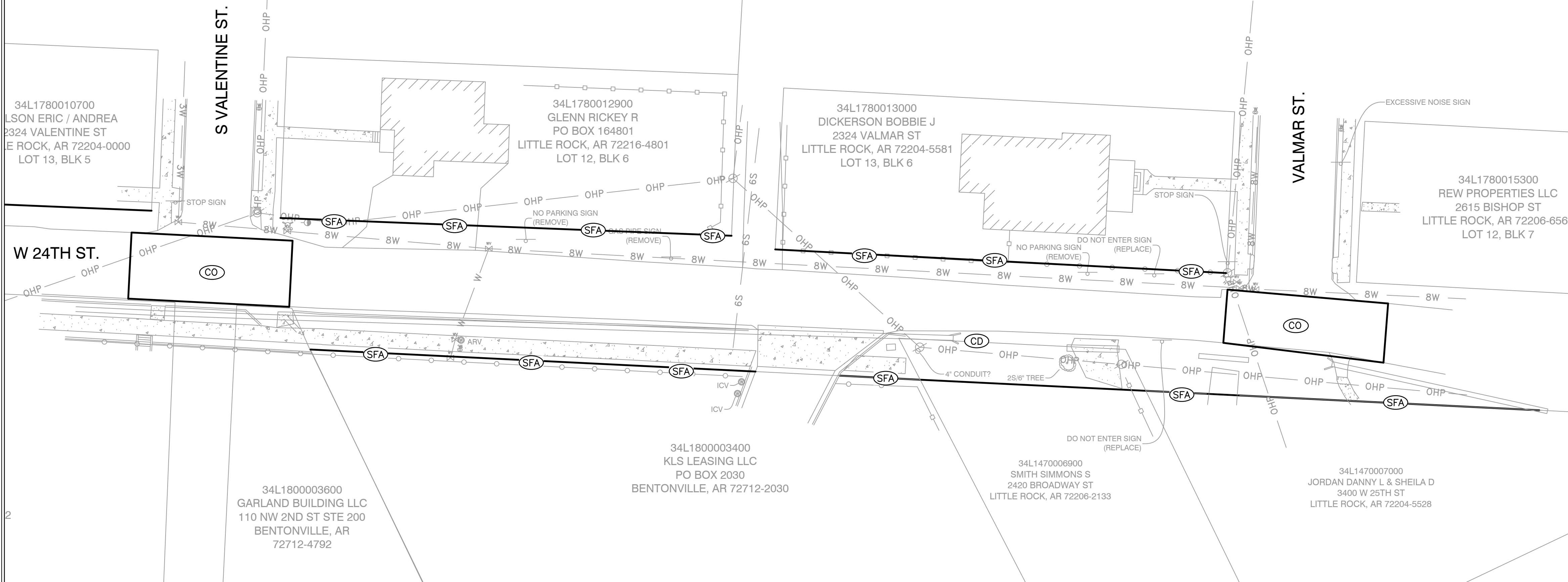
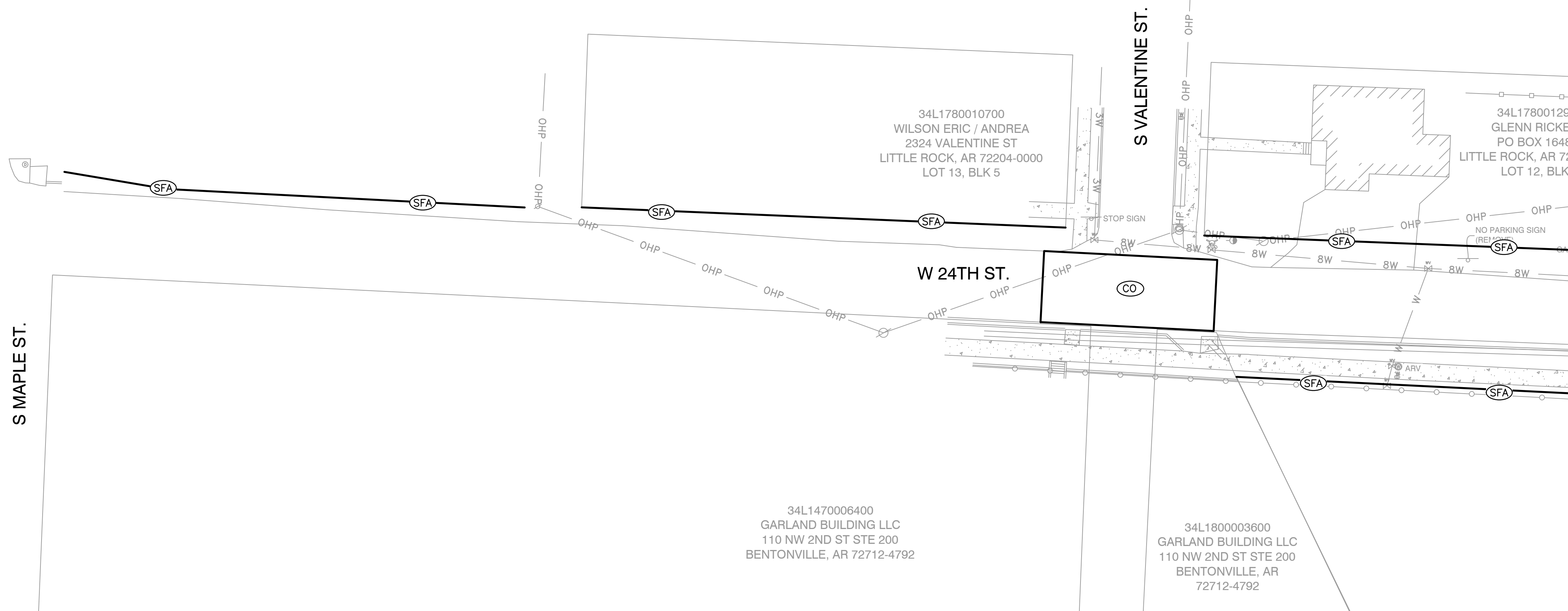
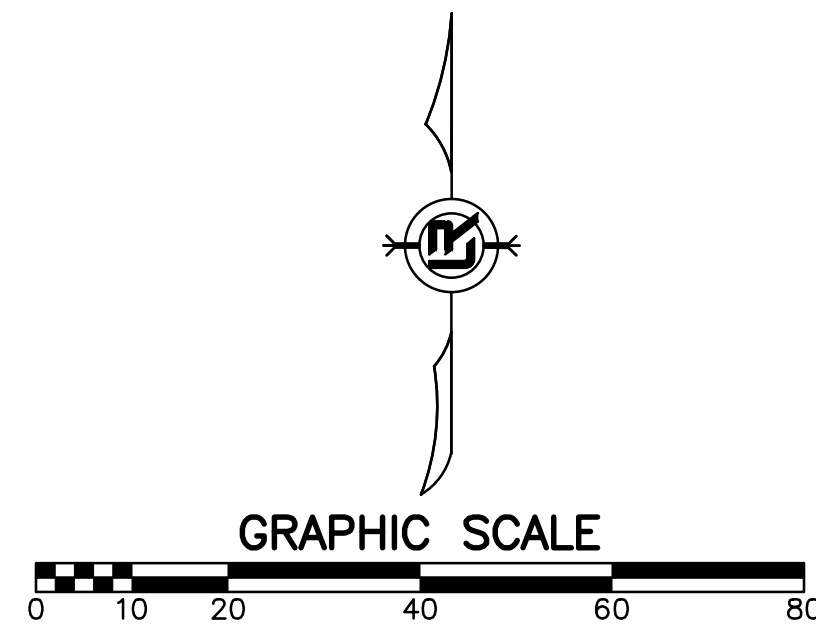
REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
CITY OF LITTLE ROCK, ARKANSAS  
EROSION CONTROL PHASE 1

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



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10-7-2024  
**SCALE**  
1"=20'  
**PROJECT NO.**  
01-17-ST-41  
**SHEET NO.**  
C10



**PHASE 1**

**CONSTRUCTION EROSION CONTROL BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILERS, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE / EXIT(S) AND SWPPP INFORMATION SIGN.
2. INSTALL SILT FENCE(S) ON THE SITE. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE.
3. PREPARE TEMPORARY PARKING AND STORAGE AREA.
4. HALT ALL ACTIVITIES AND CONTACT THE CITY OF LITTLE ROCK TO PERFORM INSPECTION AND ACCEPTANCE OF BMP'S.
5. CONSTRUCT AND STABILIZE SEDIMENT BASIN(S) AND SEDIMENT TRAP(S) WITH APPROPRIATE OUTFALL STRUCTURES. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL BASINS AND TRAPS.
6. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUCTURES (DIKES, SWALES, CHECK DAMS, ETC.) CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL HYDRAULIC CONTROL DEVICES.

CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION -TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION -TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION -PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

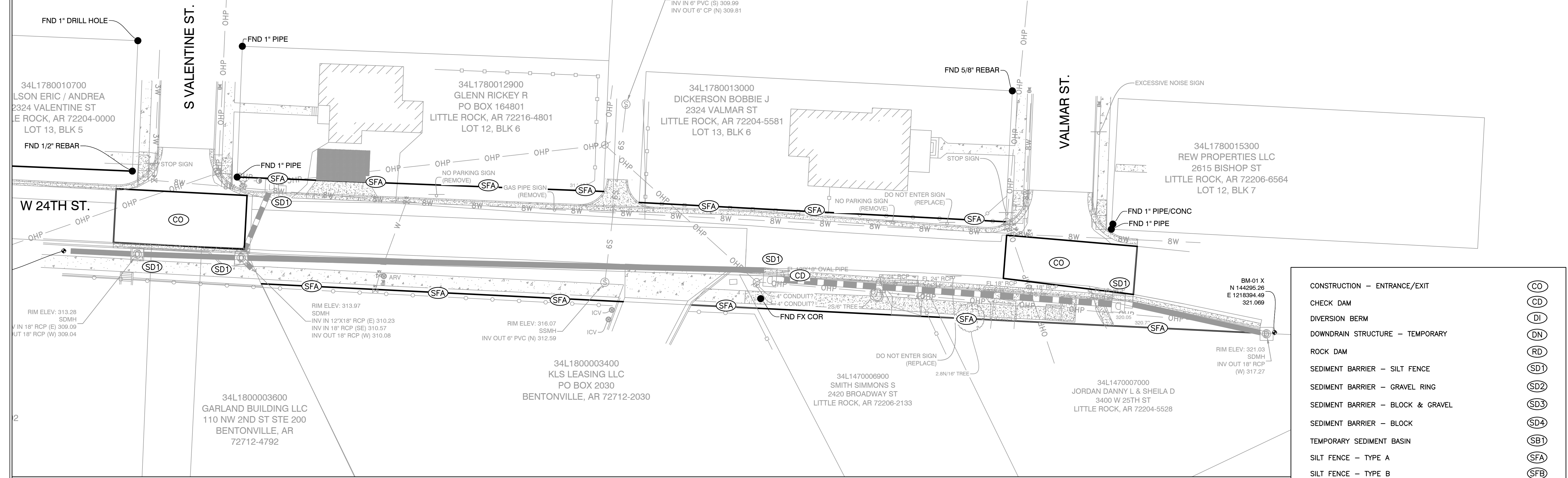
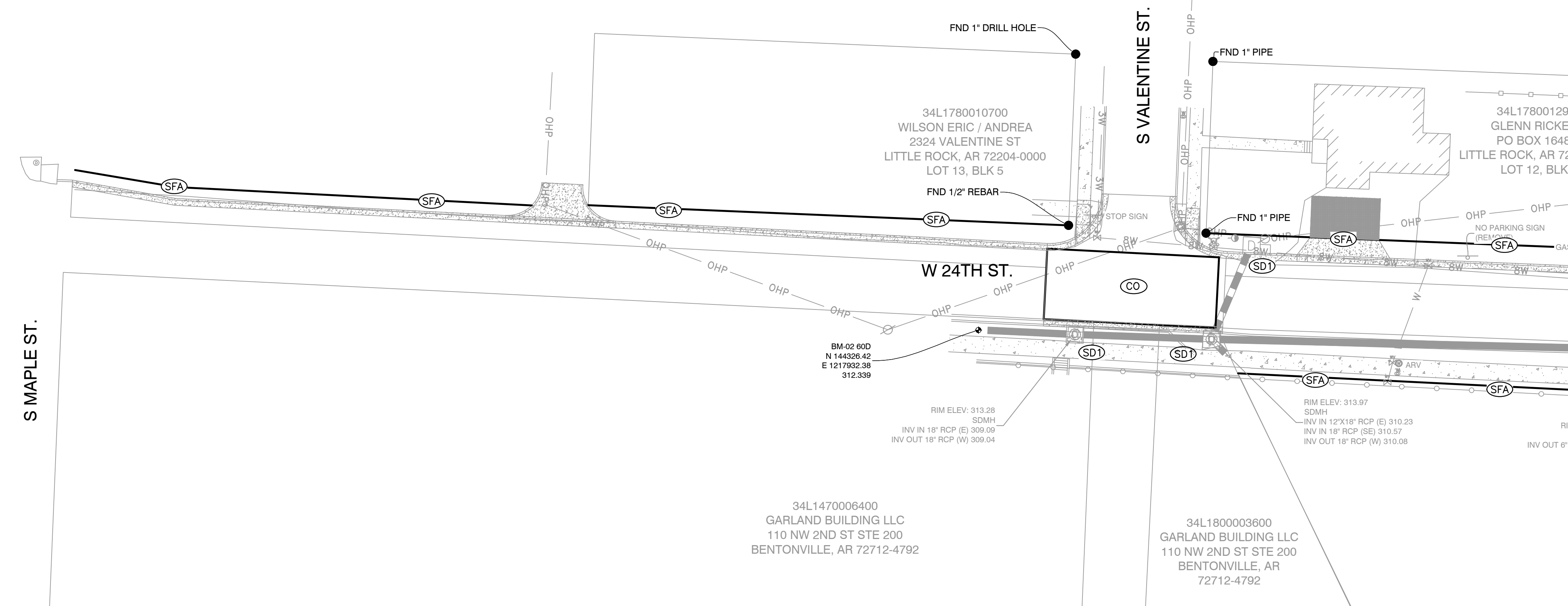
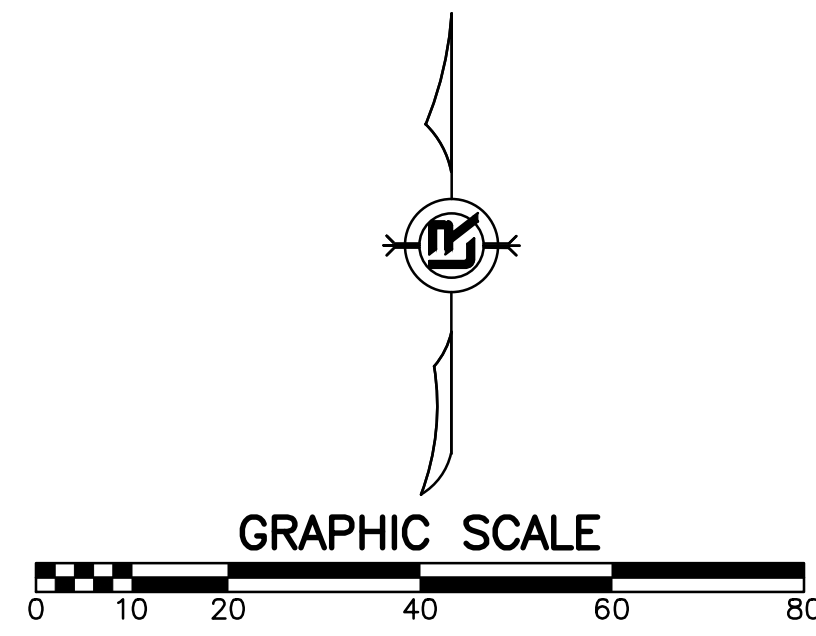
REVISIONS	DATE

**W. 24TH ST. VALMAR ST. TO VALENTINE ST.**  
**CITY OF LITTLE ROCK, ARKANSAS**  
**EROSION CONTROL PHASE 2**

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



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**DATE**  
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**1"=20'**  
**PROJECT NO.**  
**01-17-ST-41**  
**SHEET NO.**  
**C11**



**CONSTRUCTION EROSION CONTROL BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILERS, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

**PHASE 2**

- BEGIN SITE DEMOLITION, CLEARING, AND GRUBBING.
- CONTINUE GRADING THE SITE.
- INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, AND INLETS.
- PREPARE SUBGRADE, ROAD BASE, AND CURBS AND GUTTERS.
- CONSTRUCT DRIVEWAY TRANSITIONS.
- INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.

CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

REVISIONS	DATE

W. 24TH ST. VALMAR ST. TO VALENTINE ST.  
 CITY OF LITTLE ROCK, ARKANSAS  
 EROSION CONTROL PHASE 3

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



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**DESIGNED**  
KMH

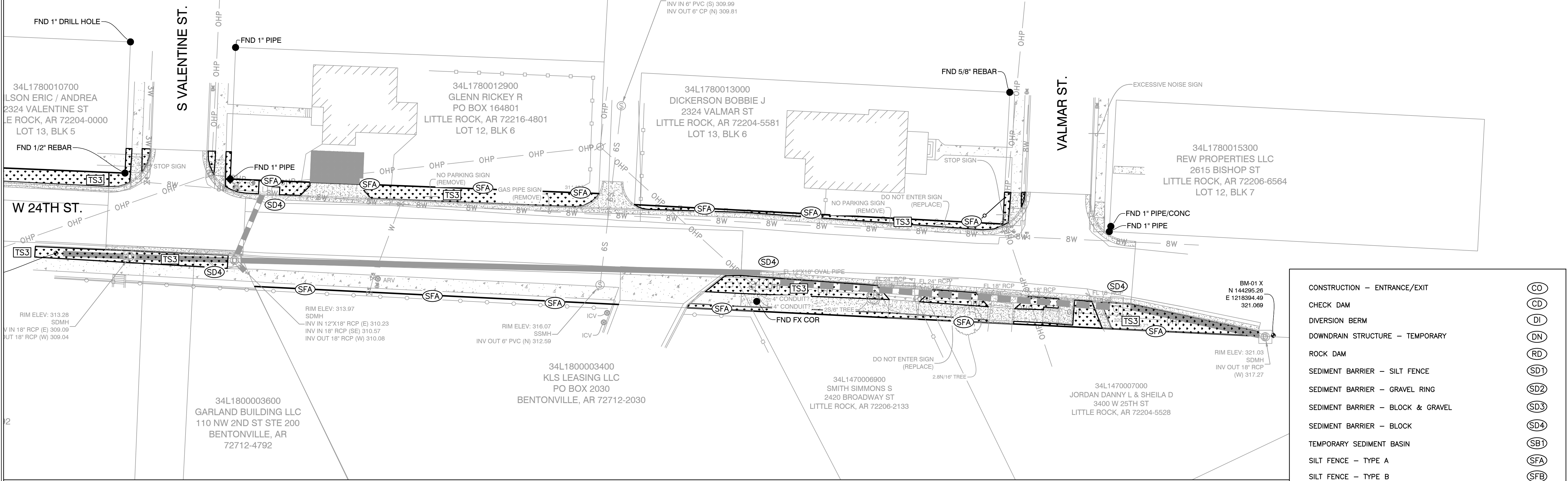
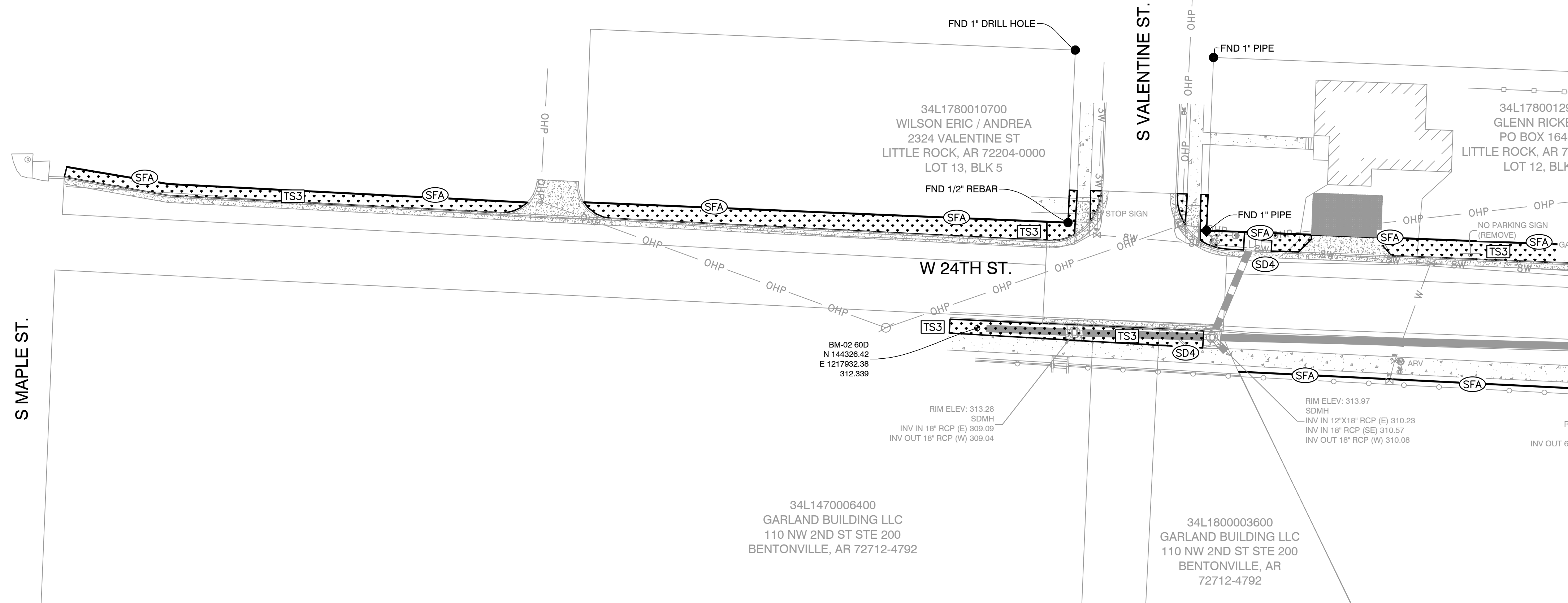
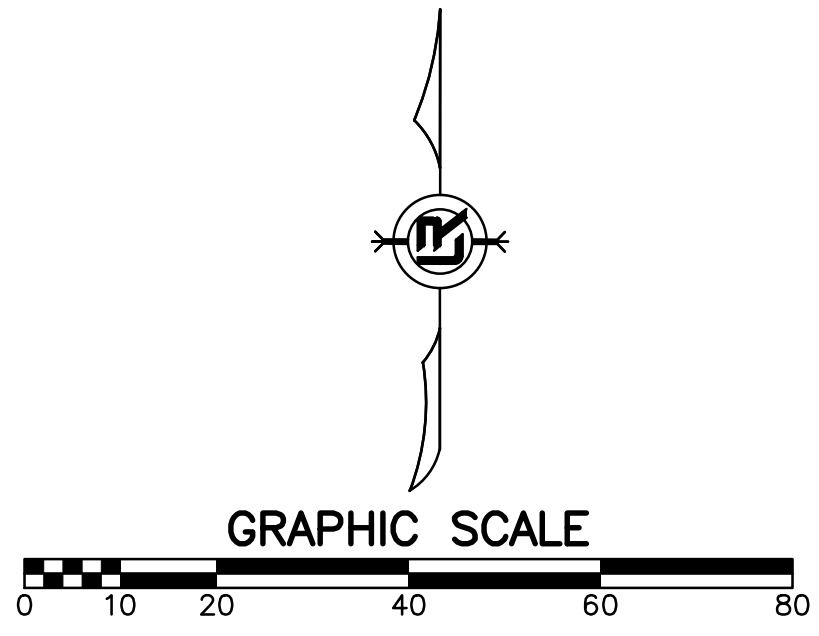
**CHECKED**  
FJS

**DATE**  
10-7-2024

**SCALE**  
1"=20'

**PROJECT NO.**  
01-17-ST-41

**SHEET NO.**  
C12



CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

**CONSTRUCTION EROSION CONTROL BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILERS, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

**PHASE 3**

1. FINISH GRADE SIDE SLOPES AND PREPARE SUBGRADES FOR SIDEWALKS, ETC.
2. PREPARE SITE FOR PAVING.
3. PAVE WHERE INDICATED ON PLANS. CONSTRUCT SIDEWALKS.
4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
5. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL NON-PAVED AREAS.