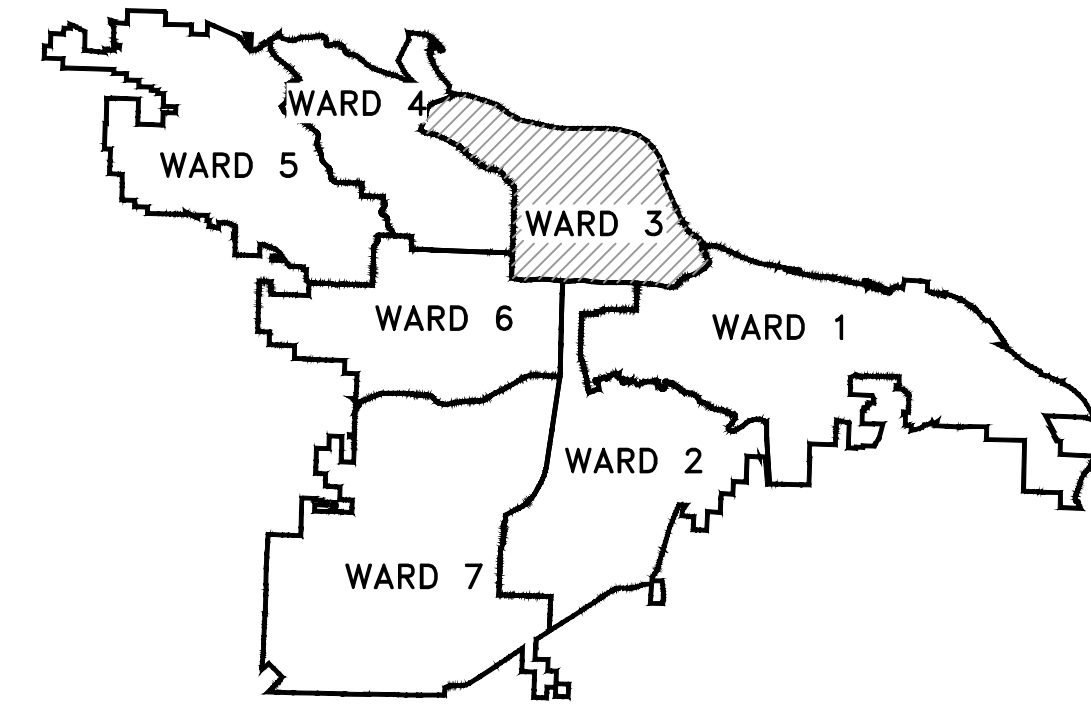
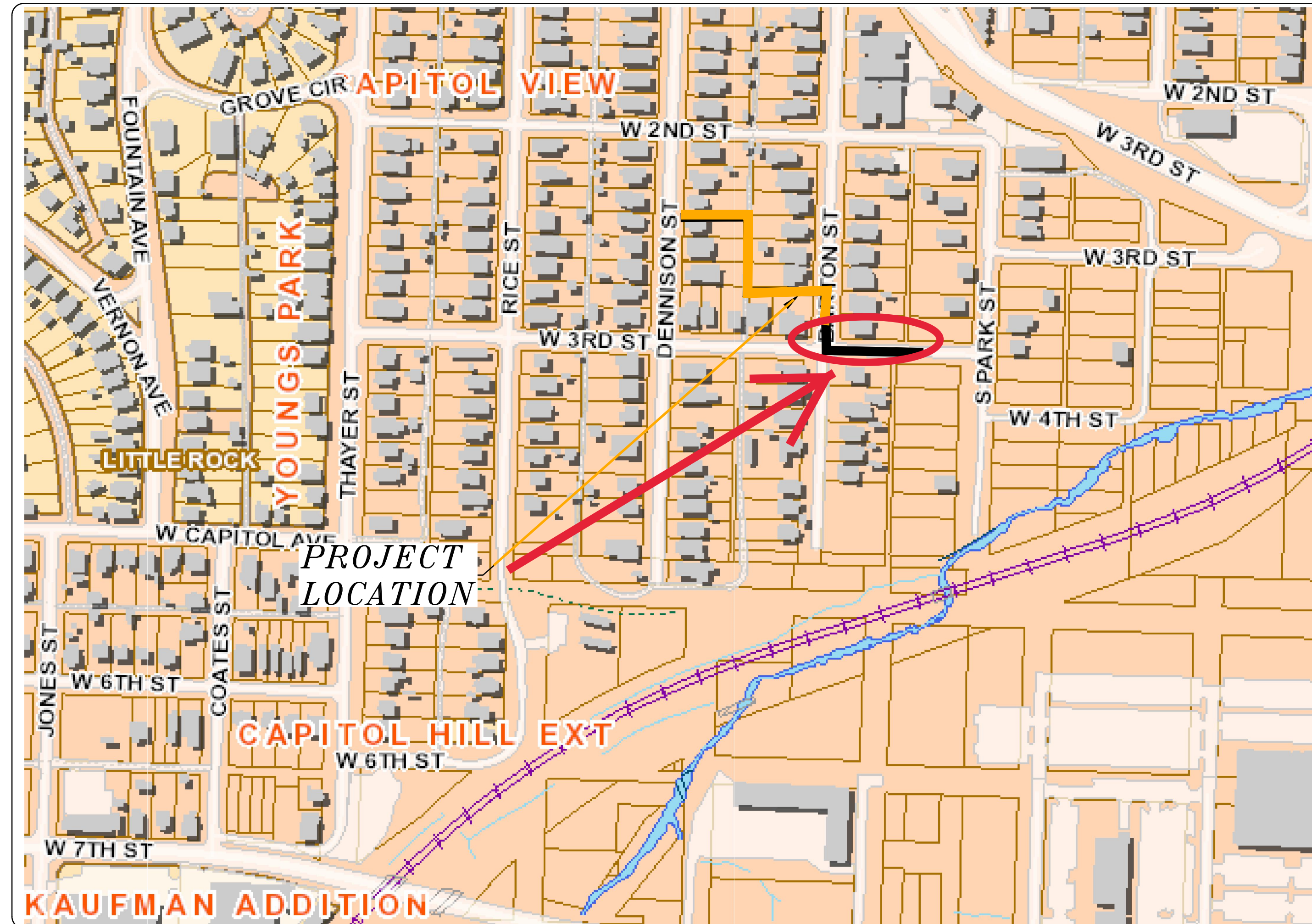


CLR PROJECT 3-17-DR-101 BARTON STREET DRAINAGE IMPROVEMENTS LITTLE ROCK, ARKANSAS



PROJECT LOCATION - WARD 1



SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND
C3	TYPICAL SECTIONS & DETAILS
C4	PLAN & PROFILE - STA. 0+00 TO STA. 2+50
C5	PLAN & PROFILE - STA. 2+50 TO STA. 7+49
C6	DRIVEWAY PLANS
C7	CROSS-SECTIONS - STA. 0+00 TO STA. 2+50
C8	CROSS-SECTIONS - STA. 3+00 TO STA. 5+50
C9	CROSS-SECTIONS - STA. 6+00 TO 7+49
C10	EROSION CONTROL PLAN

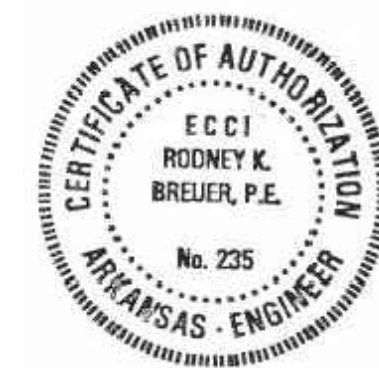


**2019-2021
BOND PROGRAM**

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



Know what's below.
Call before you dig.

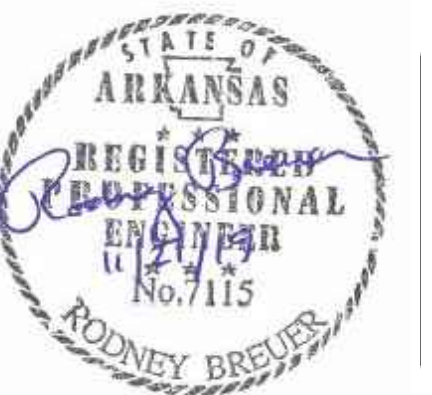


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
BARTON STREET - DRAINAGE IMPROVEMENTS
COVER SHEET



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



DRAWN BY	KP
DESIGNED	KP
CHECKED	JB
DATE	11.21.19
SCALE	NTS
PROJECT NO.	3-17-DR-101
SHEET NO.	C1

FINAL- 100% SUBMITTAL

REVISIONS	DATE

CLR PROJECT# 3-17-DR-101			
BARTON STREET- DRAINAGE			
November 7, 2019			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	L.S.	1
4.01	AGGREGATE BASE COURSE	TON	41
6.01	ACHM SURFACE COURSE	TON	18
7.06	CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	SF	2,159 450
8.01	CONCRETE CURB AND GUTTER (CLASS 1)	L.F.	59 30
9.04	CONCRETE SIDEWALK (4" THICK)	S.F.	1,653 1000
10.01	JUNCTION BOX- 4' I.D.	EA.	3 1
10.01	JUNCTION BOX - 5' I.D.	EA.	1
10.01	JUNCTION BOX - 6' I.D.	EA.	1
10.03	GRATE INLET - 1 (G1)	E.A.	1
10.05	CURB INLET - 4' BOX	EA.	1
10.05	CURB INLET - 5' BOX	EA.	2 1
10.07	WING 3' EXTENSION	EA.	4
10.10	WING 6' EXTENSION	EA.	1
11.05	REINFORCED CONCRETE PRECAST HEADWALL (18")	EA.	1
13.18S	SIDE DRAIN, 18"	L.F.	12
13.36C	CROSS DRAIN, 36" (PIPE 7)	L.F.	30 24
13.24S	SIDE DRAIN, 24"	L.F.	543 35
13.36S	SIDE DRAIN, 36"	L.F.	177 170
13.63	CONCRETE PLUG ON EXISTING STORM DRAIN	E.A.	5 3
14.01	SOLID SODDING, BURMUDA- INCLUDES 4" TOPSIOL	S.Y.	300
16.01	MAINTENANCE OF TRAFFIC	L.S.	1
18.01	REMOVE AND REPLACE FENCE WOOD 6' TALL	L.F.	174
18.55	WATER FOR DUST CONTROL	GAL	200
19.01	FINAL CLEANUP	L.S.	1
24.01	CONSTRUCTION ENTRANCE (CO)	EA.	4 1
24.06	SEDIMENT BARRIER, SILT FENCE (SD1)	EA.	3 4
24.09	SEDIMENT BARRIER, BLOCK (SD4)	EA.	3 4
24.11	SILT FENCE - TYPE A (SFA)	L.F.	1,043 300
24.16	DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)	AC.	1
24.18	DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)	AC.	1
26.10	TRENCH AND EXCAVATION SAFETY	L.S.	1
SP	COMBINATION INLET-1 (C1-1) (TYPE SPECIAL) AS DETAILED	EA.	1

EXISTING	PROPOSED
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	⊕
SANITARY SEWER MANHOLE	⊕
TELEPHONE MANHOLE	⊕
ELECTRIC MANHOLE	⊕
TELEPHONE BOX	⊕
ELECTRIC BOX	⊕
CABLE BOX	⊕
UTILITY POLE	⊕
GUY WIRE	—
LIGHT POLE	⊕
POST OR POLE (TYPE AS NOTED)	⊕
MAILBOX	⊕
DECIDUOUS TREE	⊕
EVERGREEN/CONIFEROUS TREE	⊕
BUSH	⊕
PROPERTY LINE	—
SETBACK LINE	—
EASEMENT LINE	—
CURB	—
FENCE	— X — X —
OVERHEAD UTILITY	— OHP — OHP —
UNDERGROUND TELEPHONE	— UGT — UGT — UGT —
UNDERGROUND ELECTRIC	— UGE — UGE — UGE —
WATER LINE	— 8"W — 8"W — 8"W —
SEWER LINE	— SAN —
GAS LINE	— GAS — GAS —
STORM SEWER/CULVERT	— 24" CMP/RCP/DIP —
CONTOUR LINE	— 650 —

CITY OF LITTLE ROCK, ARKANSAS
 BARTON STREET- DRAINAGE IMPROVEMENTS
 LEGEND

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



DRAWN BY	AV
DESIGNED	KP
CHECKED	KP
DATE	11.21.19
SCALE	NTS
PROJECT NO.	3-17-DR-101
SHEET NO.	C2

FINAL- 100% SUBMITTAL

STA 0+00
BEGIN PROJECT
CONSTRUCT 6' WING ON
NORTH SIDE OF INLET.
CONSTRUCT DRIVEWAY
PERPENDICULAR TO DENNISON
PER PW-30 WITH APRON
BEING TIED INTO (CI-1)
PLUG EXISTING PIPE WITH
CONCRETE AND ABANDON IN
PLACE.

SSMH 9G022
TOP=327.73
FL IN=321.93
FL OUT=321.83

REPLACE SIDEWALK
PW-41

BM-2
N 151370.34
E 1222602.01
ELEV. 326.54

BM-1
N 151420.31
E 1222603.71
ELEV. 327.29

STA 0+40
PIPE CROSSING—
PLUG EXISTING PIPE
WITH CONCRETE.
ABANDON IN PLACE

STA 1+51.15, 8.54' L TO
STA 1+51.96, 5.03'R
REMOVE AND REPLACE
CHAINLINK FENCE

STA 1+58.32, 7.31' L
SAWCUT AND BEGIN NEW
PAVING FOR ALLEY AFTER
INSTALLATION OF STORM
PIPE. TIE INTO EXISTING
GRADES.

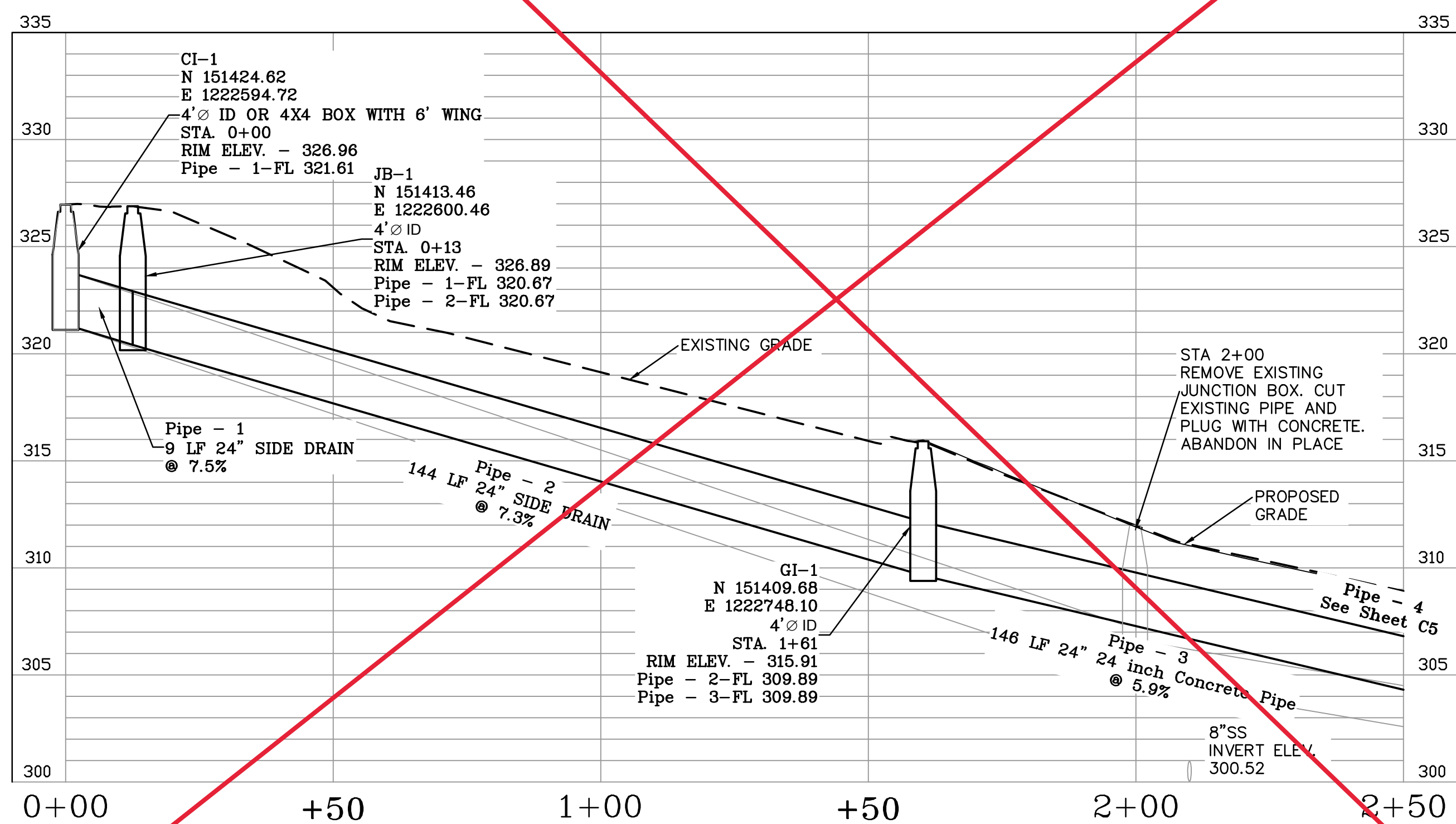
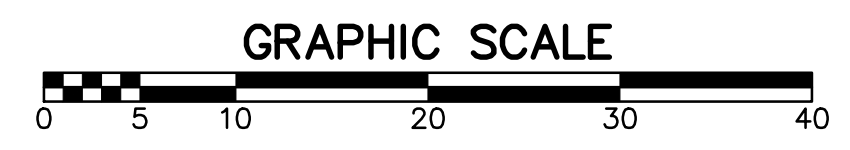
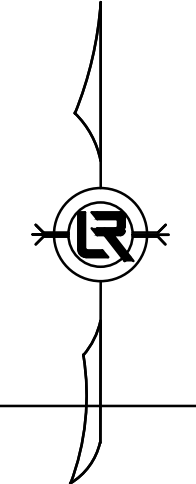
(GI-1)
USE NEENAH INLET
FRAME, GRATE R-2504
TYPE G OR EQUAL

JEANETTE HYATT
208 BARTON ST.

STA 2+00
REMOVE EXISTING
JUNCTION BOX. CUT
EXISTING PIPE AND
PLUG WITH CONCRETE.
ABANDON IN PLACE

LAURA K MARTINEAU
212 BARTON ST.

STA 2+54.67, 3.27' L TO
STA 3+00.53, 3.50' L
REMOVE AND REPLACE 4'
CHAINLINK FENCE



FINAL- 100% SUBMITTAL

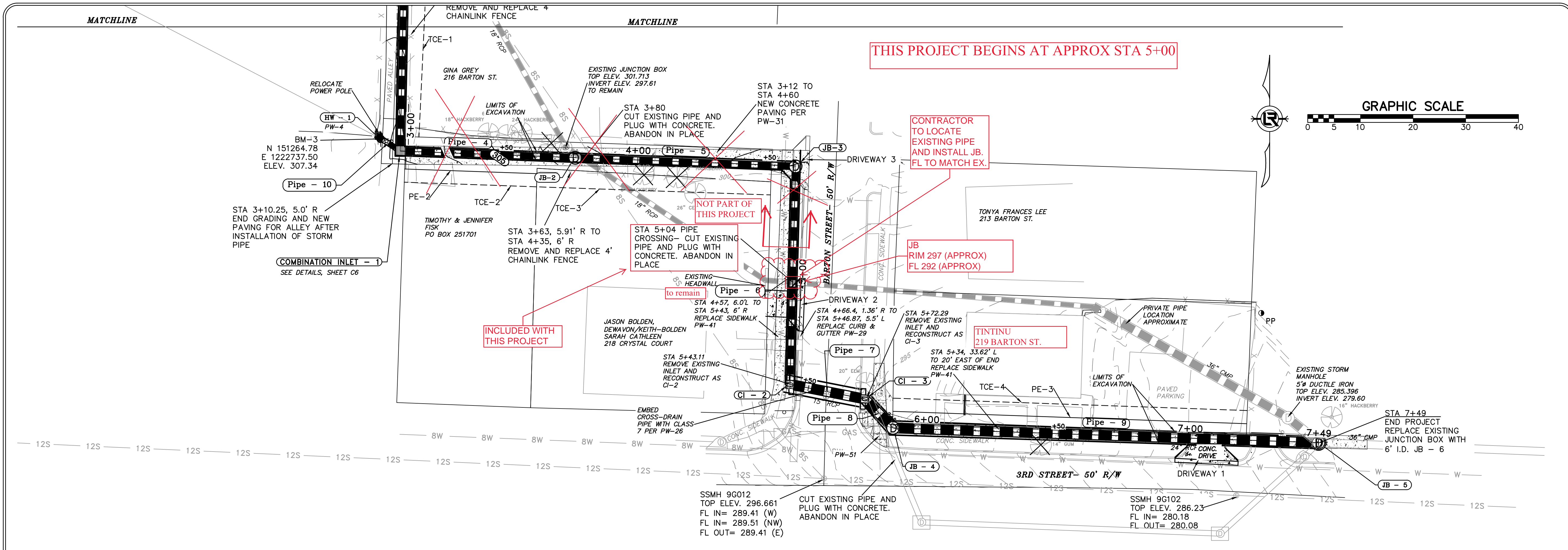
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
BARTON STREET DRAINAGE IMPROVEMENTS
STA 0+00 TO STA 2+50 PLAN & PROFILE

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




DRAWN BY JB
DESIGNED KP
CHECKED RB
DATE 11.21.19
SCALE 1"=20'H, 1"=5'V
PROJECT NO. 3-17-DR-101
SHEET NO. C4



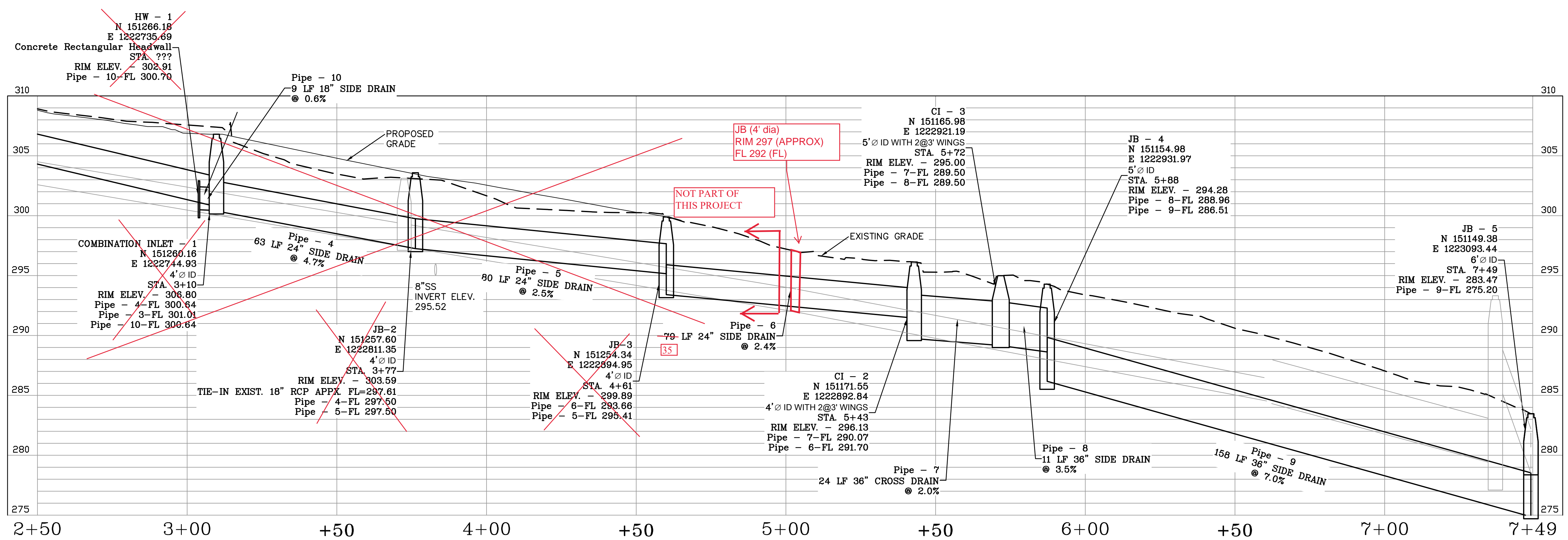
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
BARTON STREET DRAINAGE IMPROVEMENTS
 STA 2+50 TO STA 7+71 PLAN & PROFILE

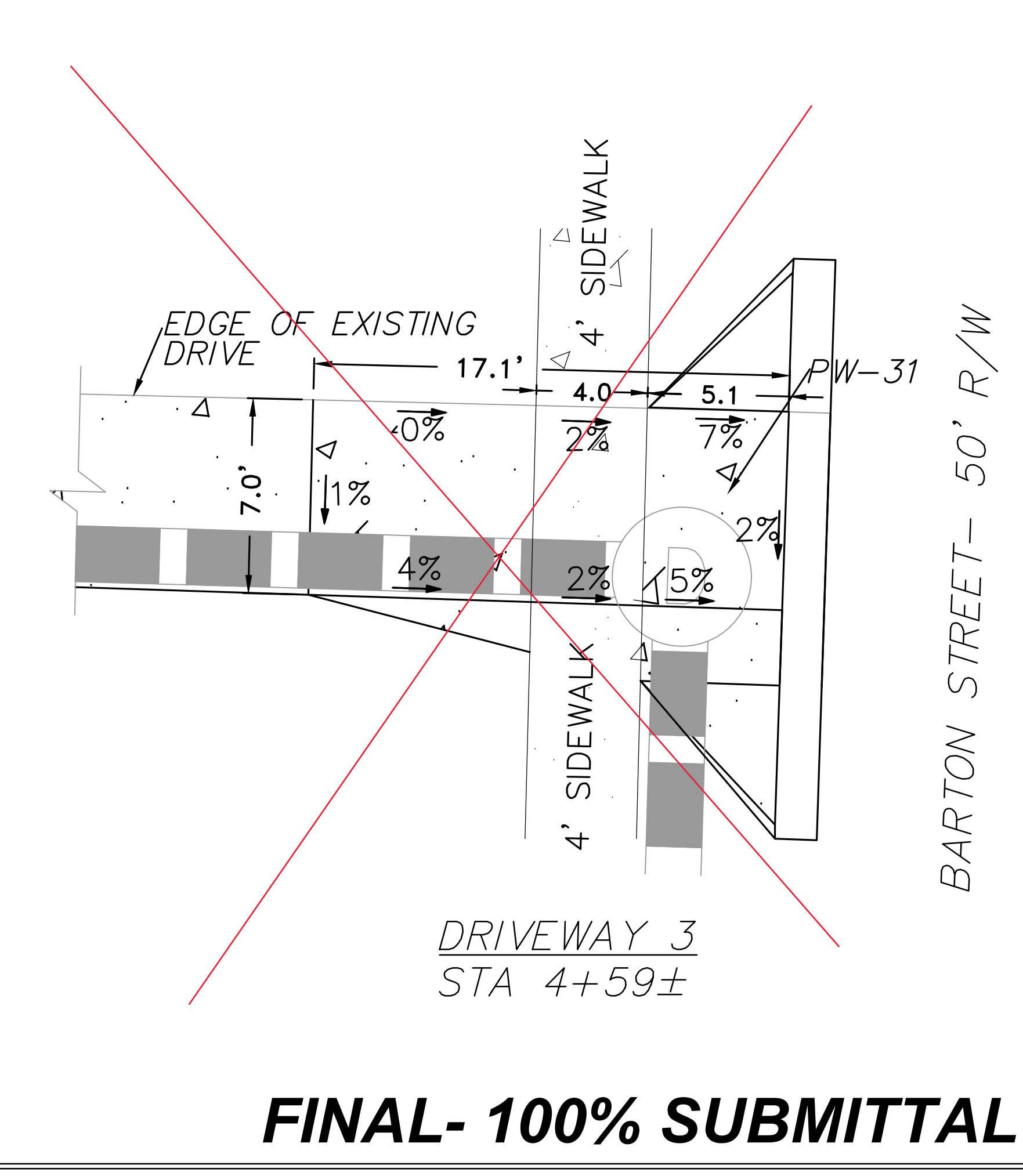
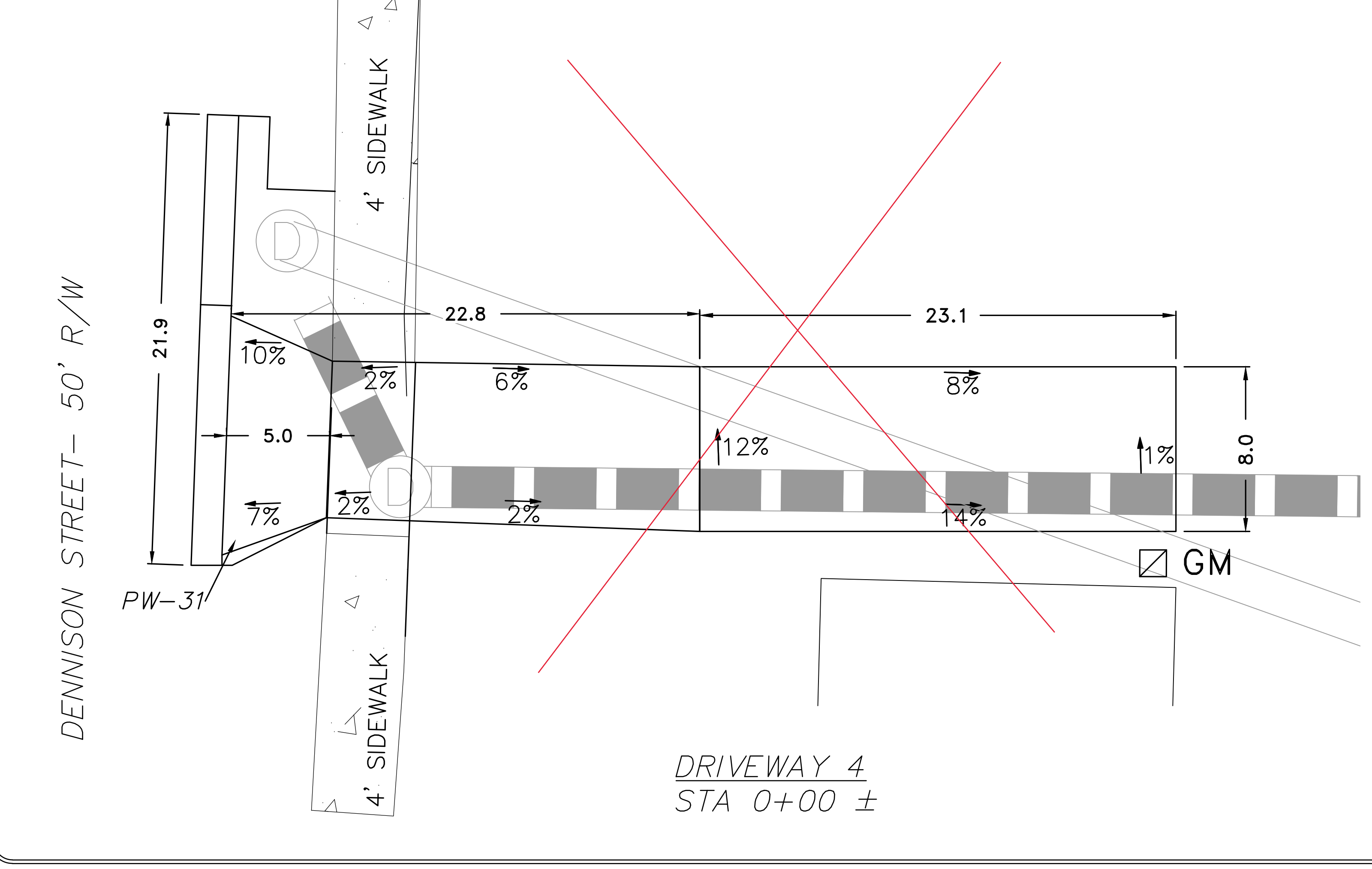
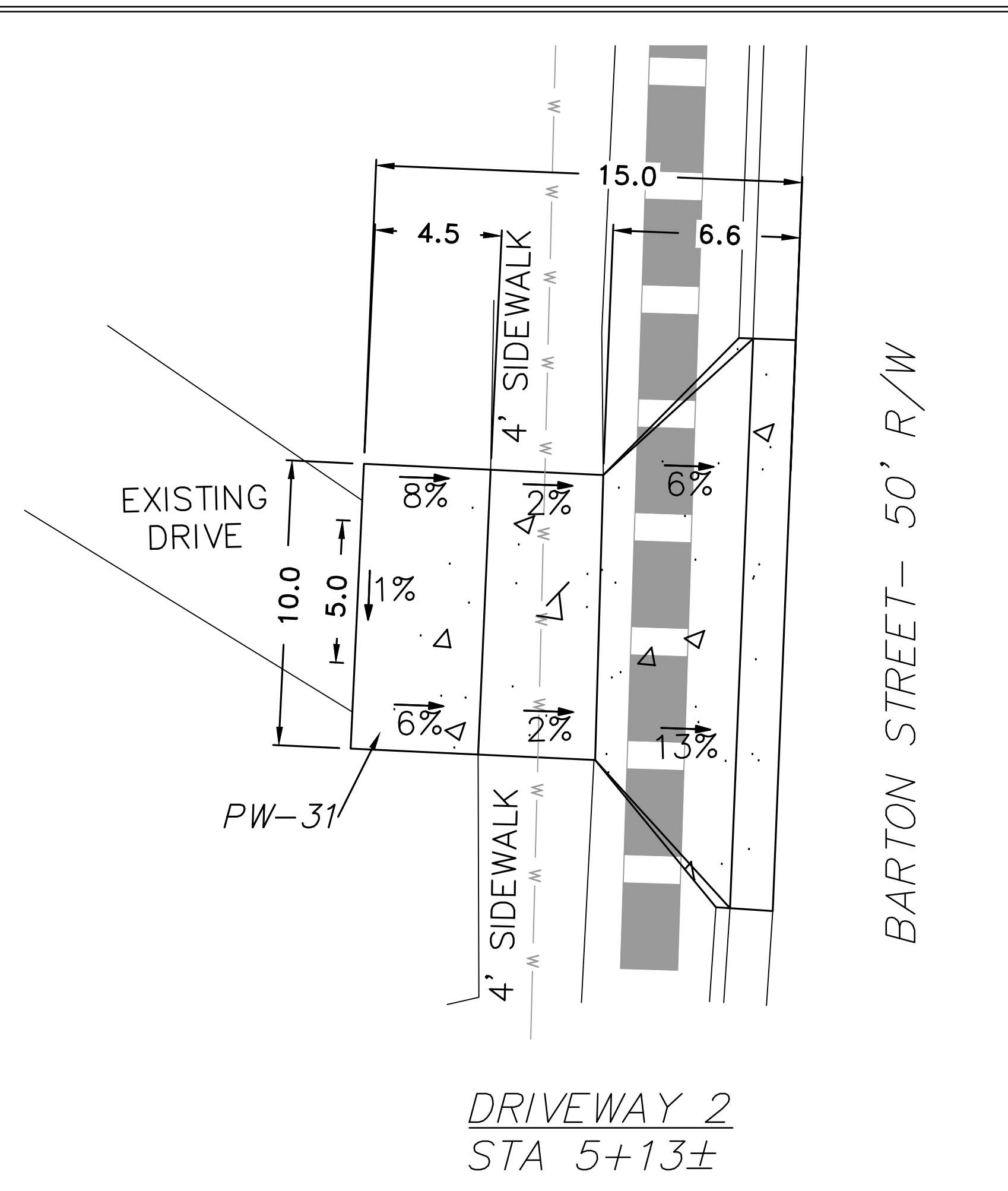
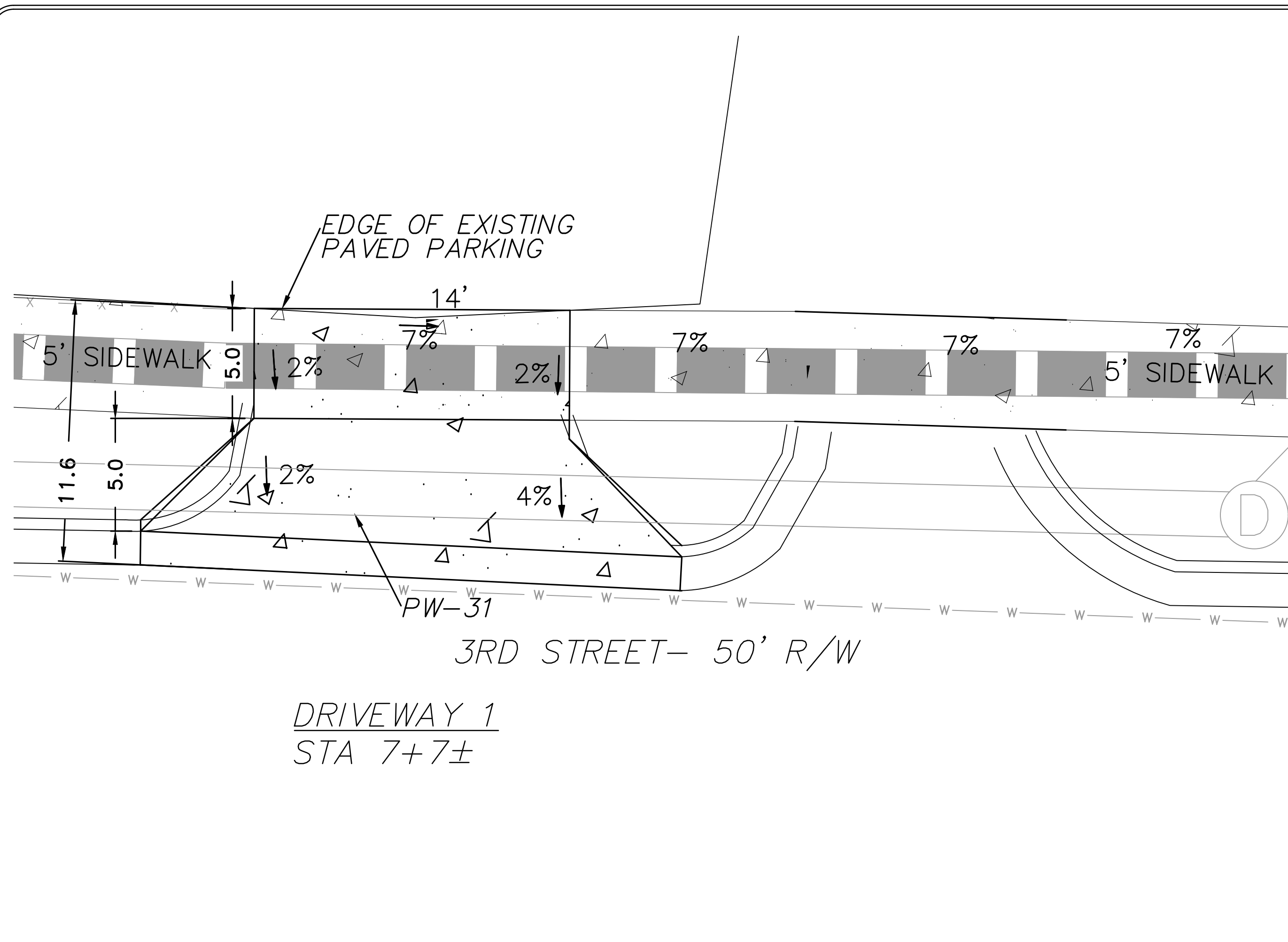

 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY
 JB
DESIGNED
 KP
CHECKED
 RB
DATE
 11.21.19
SCALE
 1"=20'H, 1"=5'V
PROJECT NO.
 3-17-DR-101
SHEET NO.
 C5



FINAL- 100% SUBMITTAL



FINAL- 100% SUBMITTAL

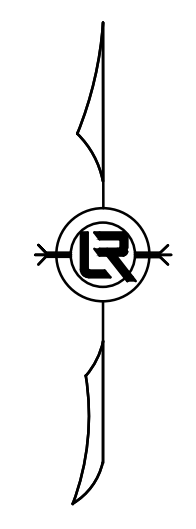
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 BARTON STREET DRAINAGE IMPROVEMENTS
 DRIVEWAY PLANS

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

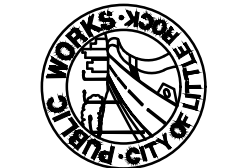
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 7115
 RODNEY BREUER

DRAWN BY AV
DESIGNED KP
CHECKED RB
DATE 11.21.19
SCALE 1:4
PROJECT NO. 3-17-DR-101
SHEET NO. C6



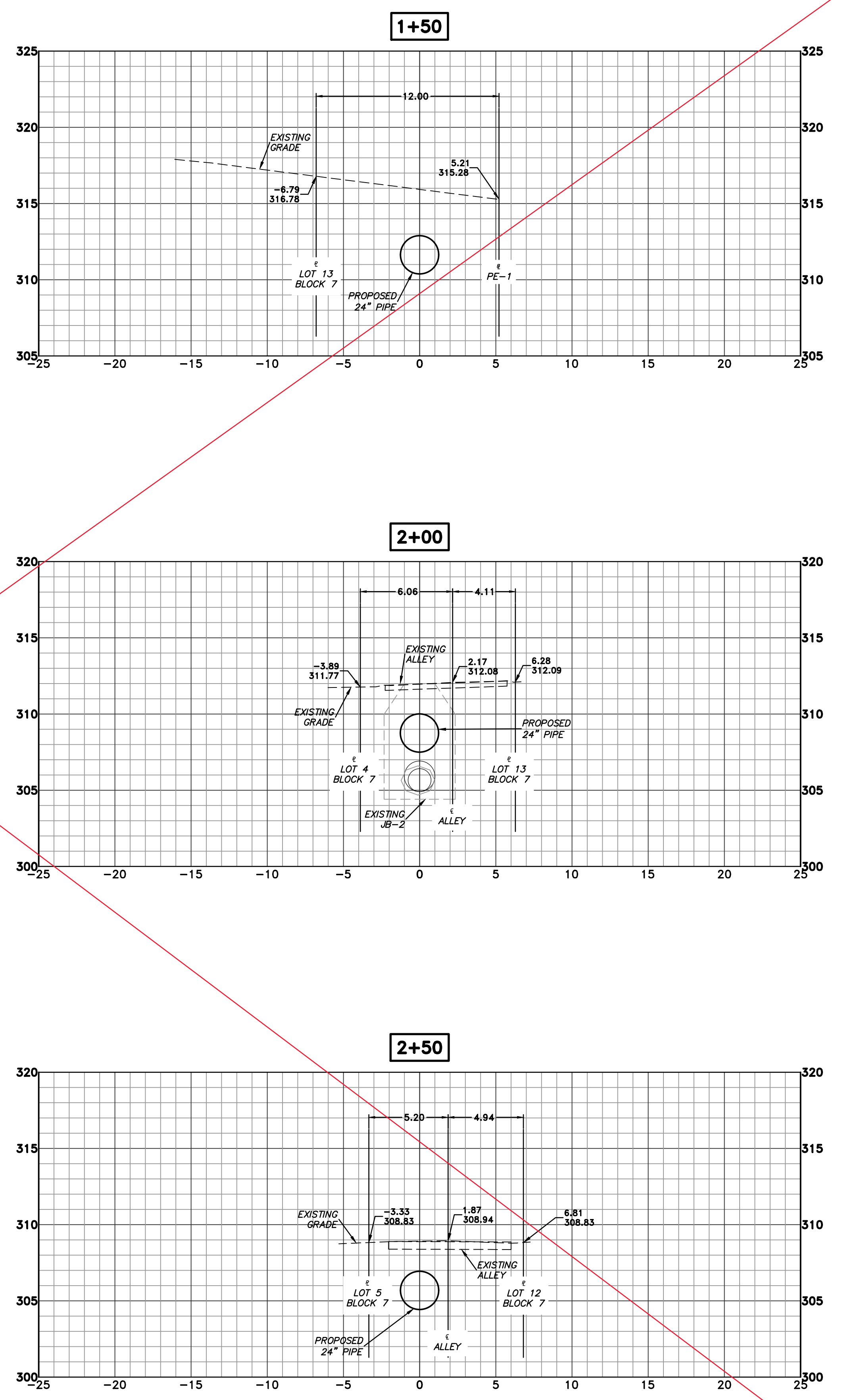
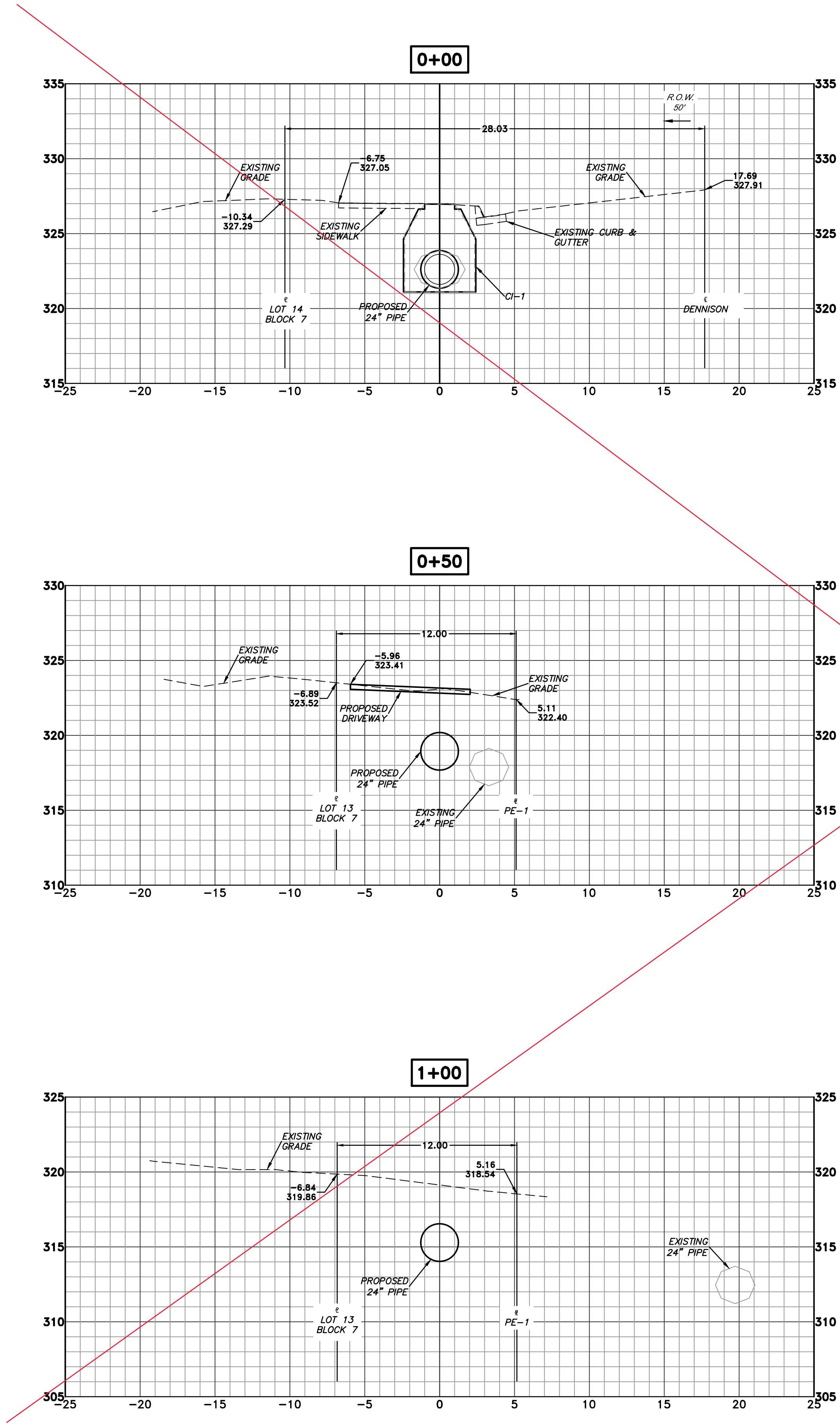
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 BARTON STREET DRAINAGE IMPROVEMENTS
 CROSS SECTIONS - STA 0+00 TO STA 2+50


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


 STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 7115
 RODNEY BREUER

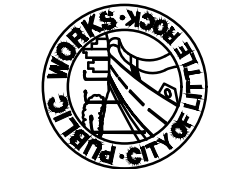
DRAWN BY JP
DESIGNED KP
CHECKED RB
DATE 11.21.19
SCALE 1" = 5'
PROJECT NO. 3-17-DR-101
SHEET NO. C7



FINAL- 100% SUBMITTAL

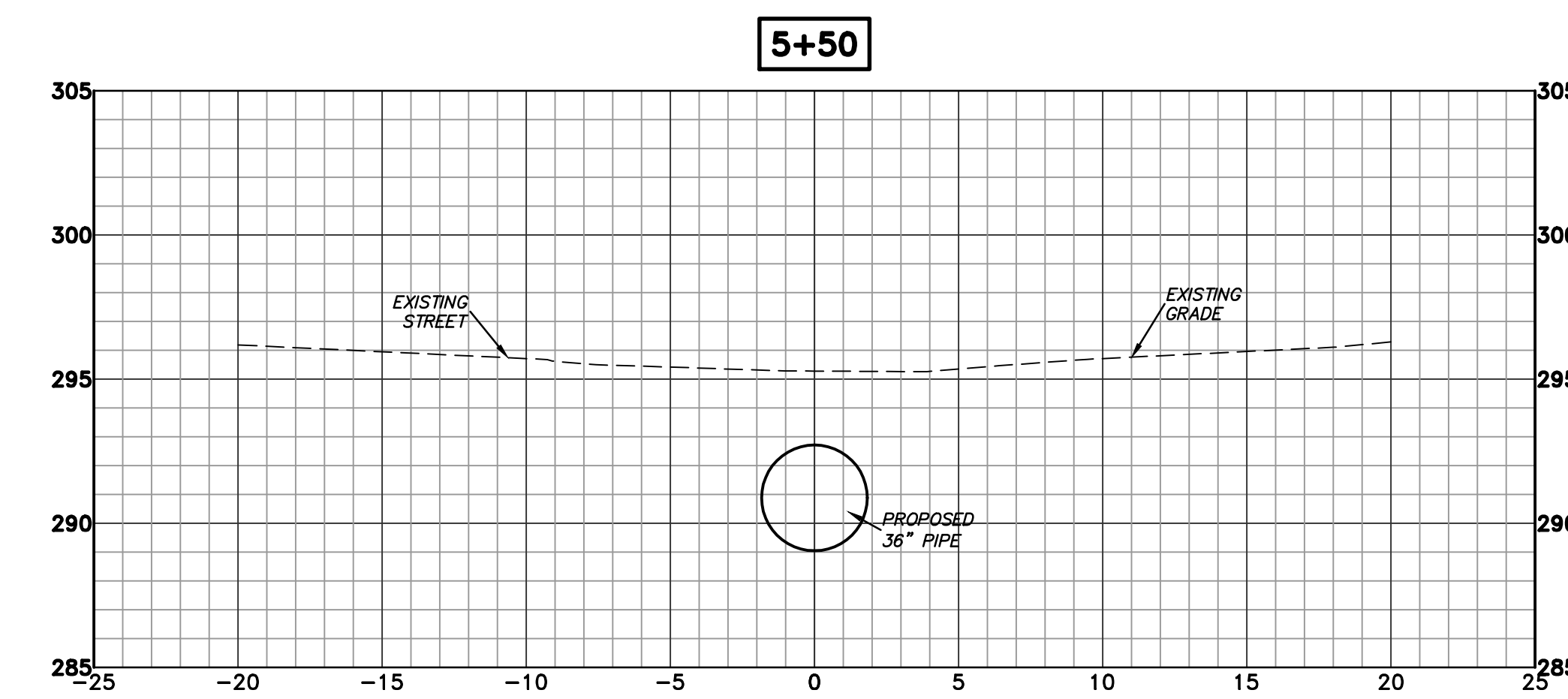
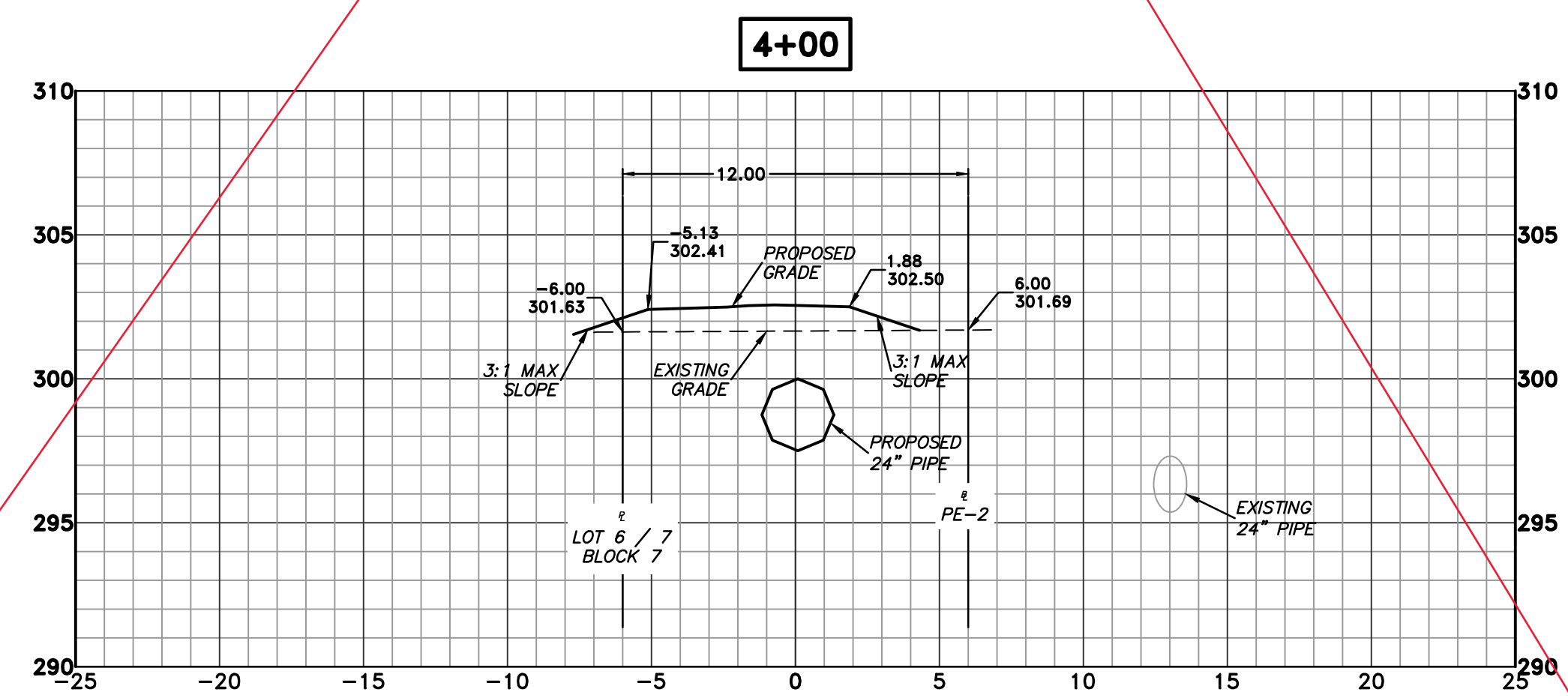
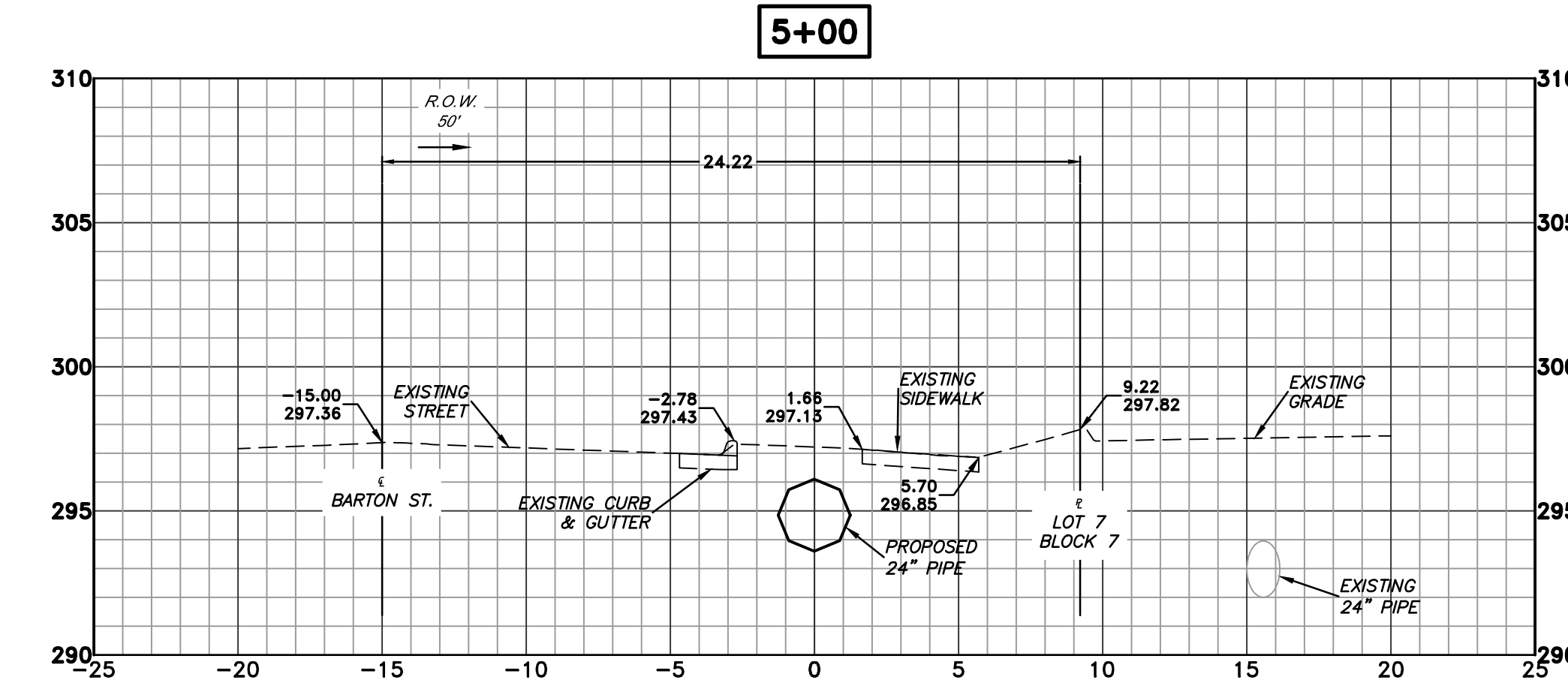
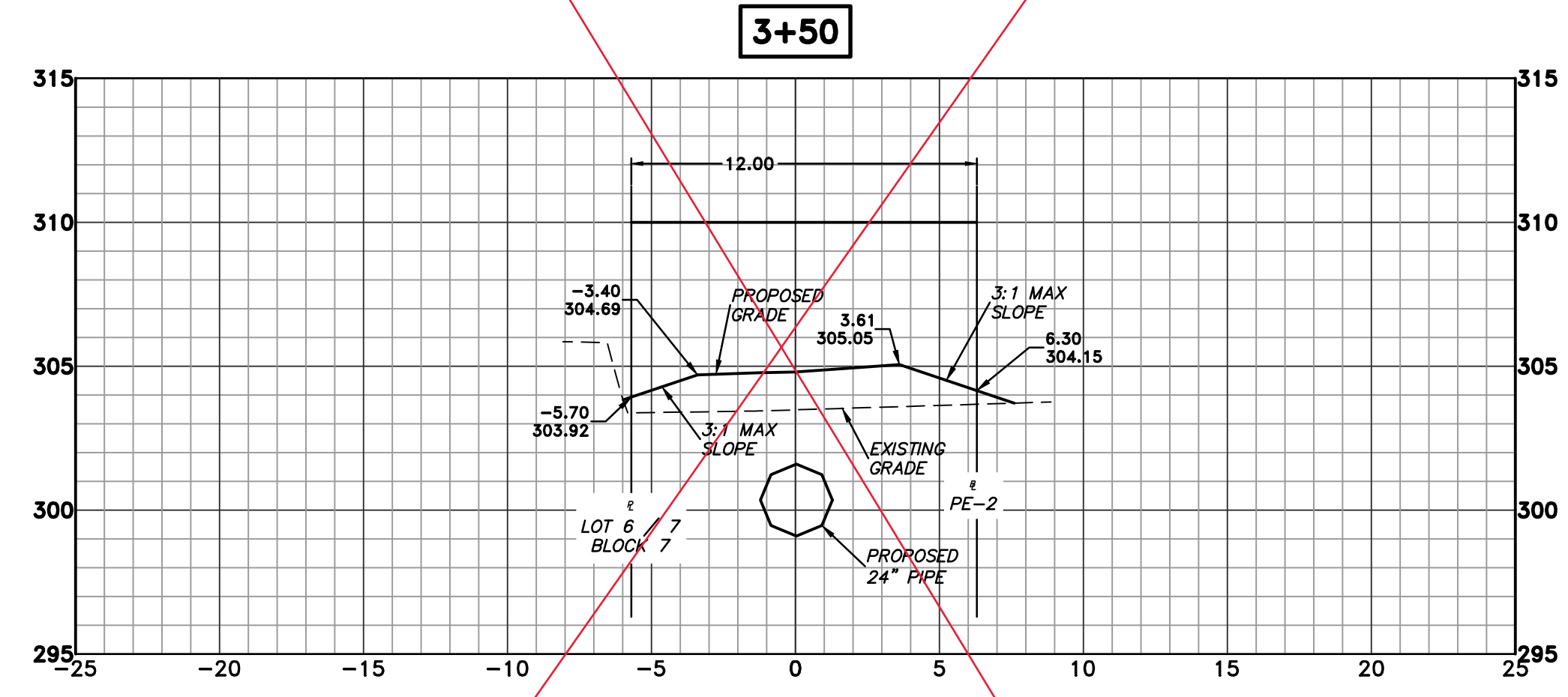
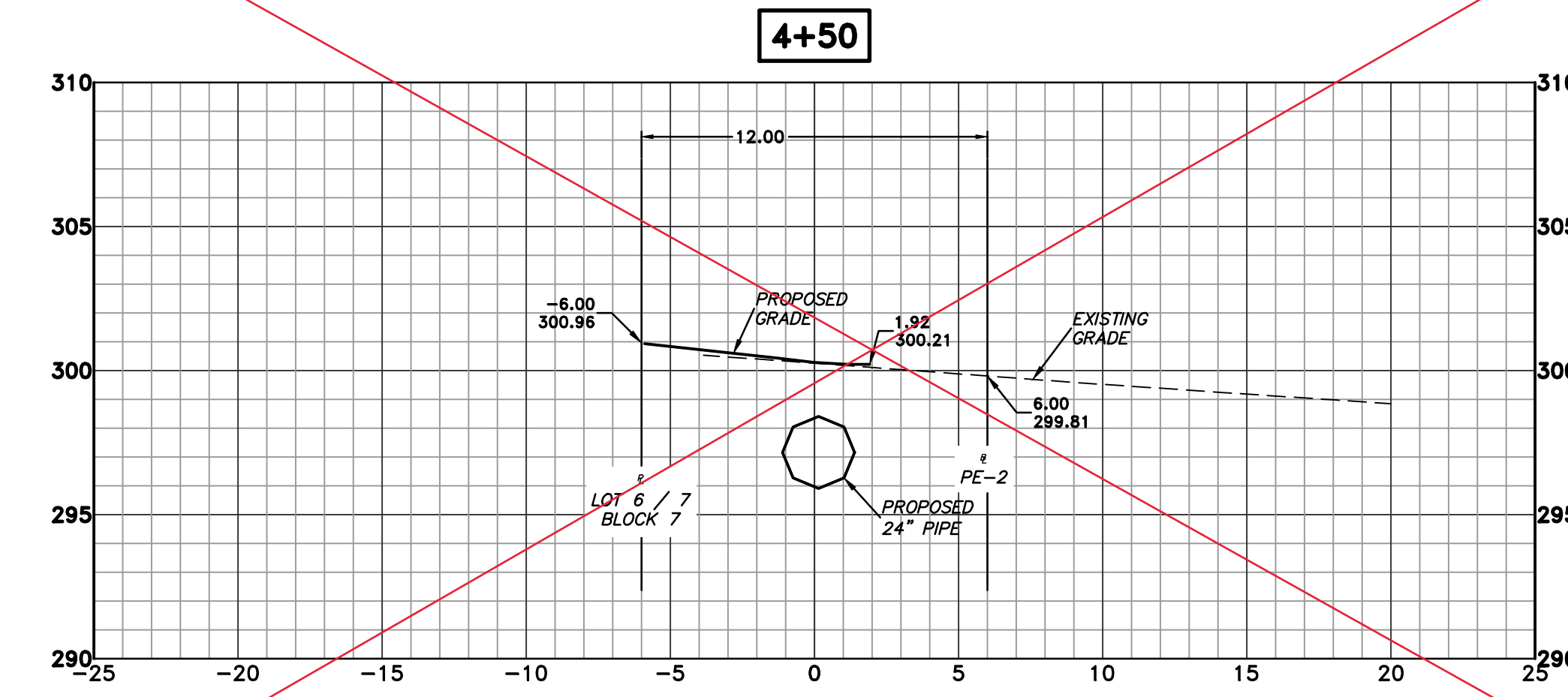
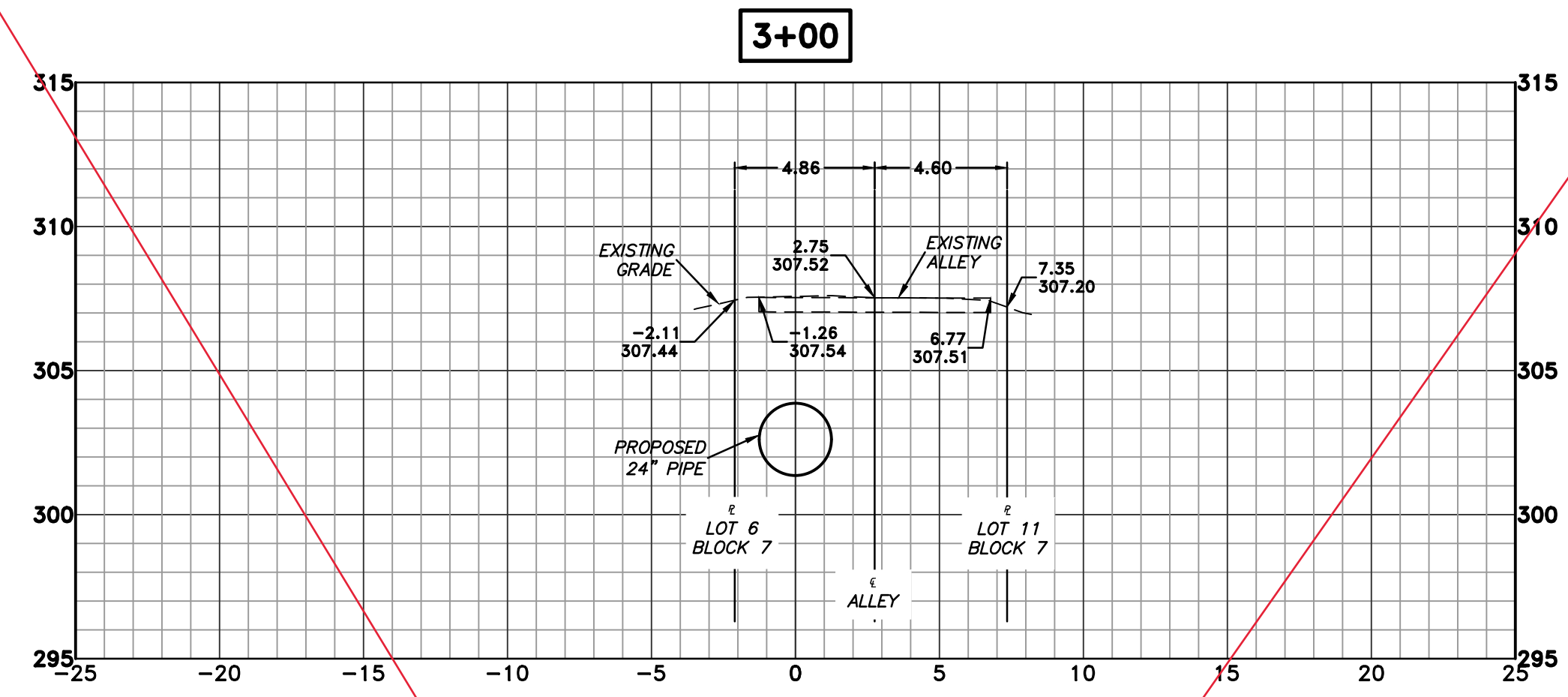
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
BARTON STREET DRAINAGE IMPROVEMENTS
 CROSS SECTIONS - STA 3+00 TO STA 5+50


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


 STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 7115
 RODNEY BREWER

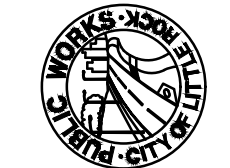
DRAWN BY JP
DESIGNED KP
CHECKED RB
DATE 11.21.19
SCALE 1" = 5'
PROJECT NO. 3-17-DR-101
SHEET NO. C8

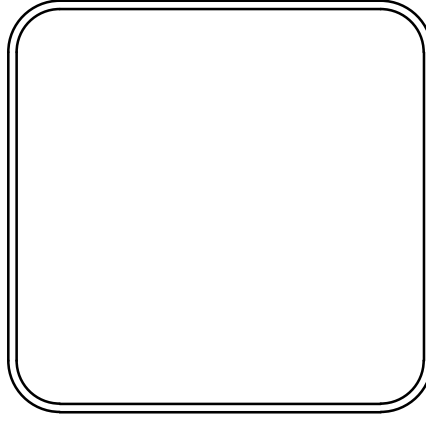


FINAL- 100% SUBMITTAL

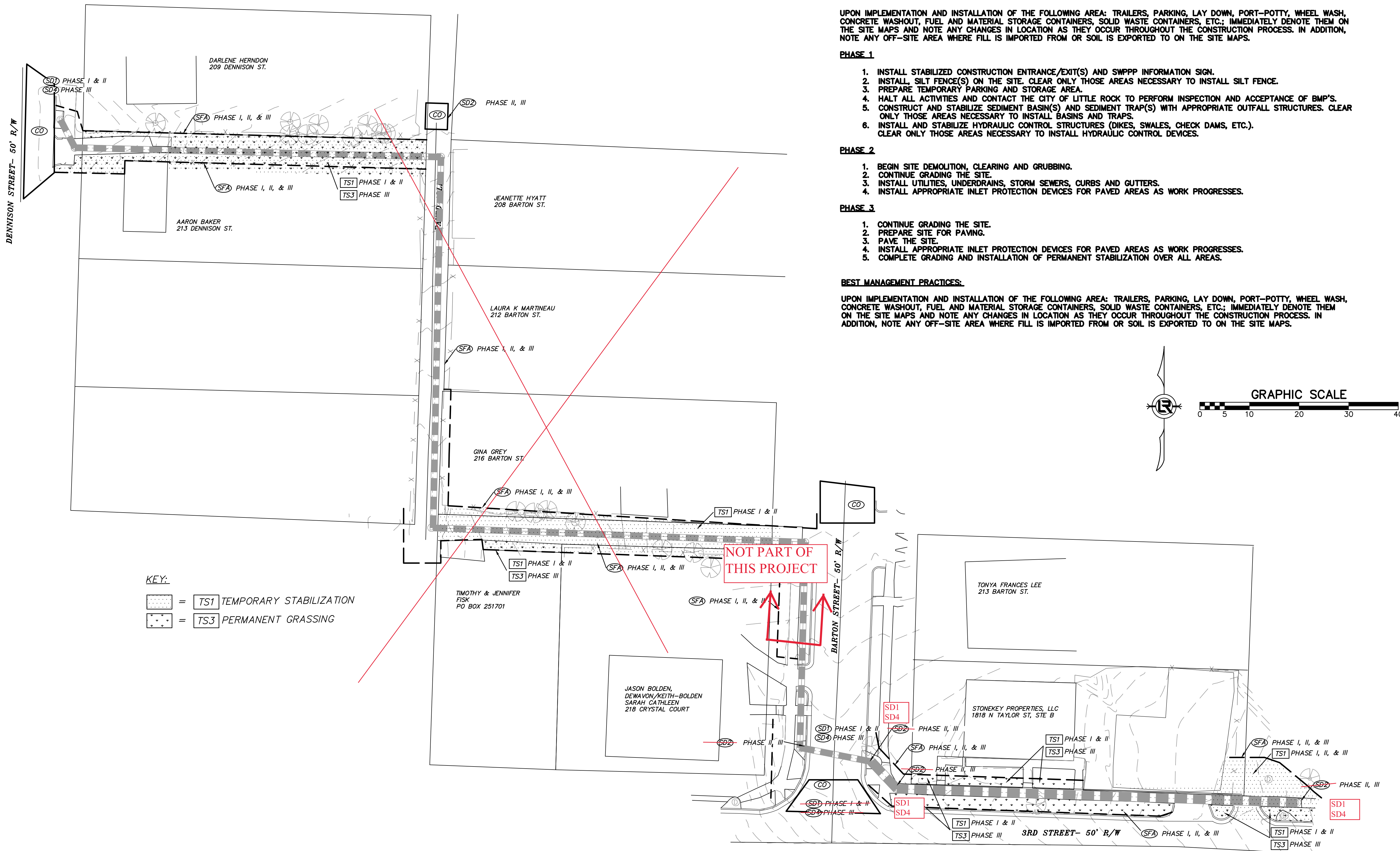
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
BARTON STREET DRAINAGE IMPROVEMENTS
EROSION CONTROL PLAN


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



DRAWN BY
 JB
 DESIGNED
 KP
 CHECKED
 RB
 DATE
 11.21.19
 SCALE
 1:20
 PROJECT NO.
 3-17-DR-101
 SHEET NO.
C10



NOTE:
UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREA: TRAILERS, PARKING, LAY DOWN, PORT-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 1**
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.

- PHASE 2**
1. BEGIN SITE DEMOLITION, CLEARING AND GRUBBING.
 2. CONTINUE GRADING THE SITE.
 3. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
 4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.

- PHASE 3**
1. CONTINUE GRADING THE SITE.
 2. PREPARE SITE FOR PAVING.
 3. PAVE THE SITE.
 4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
 5. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.

BEST MANAGEMENT PRACTICES:
UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREA: TRAILERS, PARKING, LAY DOWN, PORT-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.

FINAL- 100% SUBMITTAL