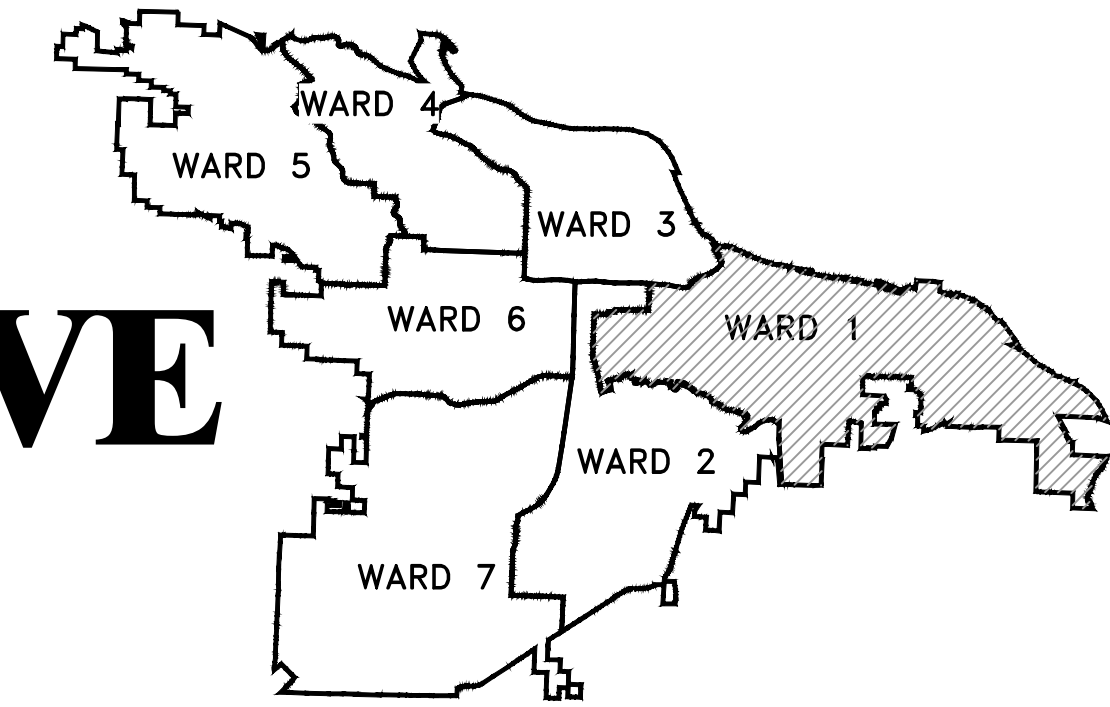
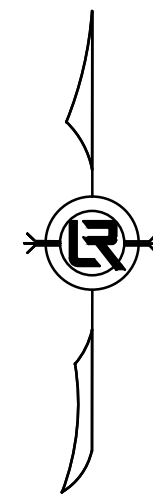
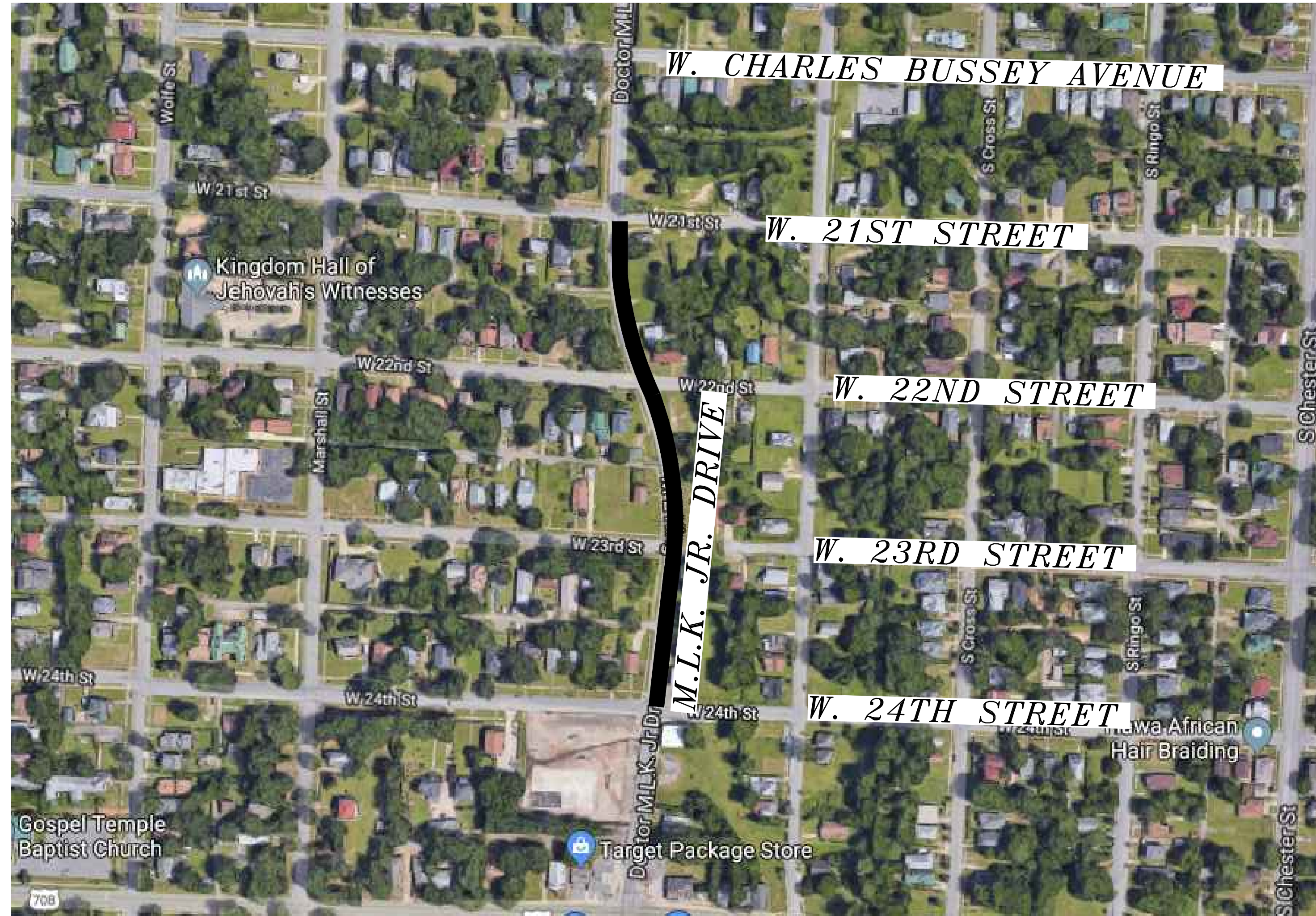


# CLR PROJECT #1-17-DR-53 MARTIN LUTHER KING JR. DRIVE DRAINAGE IMPROVEMENTS LITTLE ROCK, ARKANSAS



PROJECT LOCATION - WARD 1

SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND
C3	PLAN & PROFILE - STA. 0+00 TO STA. 5+00
C4	PLAN & PROFILE - STA. 5+00 TO STA. 11+00
C5	DRIVEWAY PLANS
C6	X SECTIONS - STA. 0+00 TO STA. 2+50
C7	X SECTIONS - STA. 3+00 TO STA. 5+50
C8	X SECTIONS - STA. 6+00 TO STA. 8+50
C9	X SECTIONS - STA. 9+00 TO STA. 11+00
C10	EROSION CONTROL - STA. 0+00 TO STA. 5+50
C11	EROSION CONTROL - STA. 5+50 TO STA. 11+00
C12	DRAINAGE MAP



**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.**



13000 CANTRELL ROAD  
LITTLE ROCK, AR 72223  
PHONE 501-975-8100  
WWW.ECCI.COM

**PRELIMINARY- 60% SUBMITTAL**

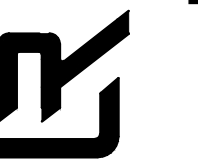
REVISIONS DATE


CITY OF LITTLE ROCK, ARKANSAS  
MLK JR. DRIVE - 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

7-09-19

SCALE

NTS

PROJECT NO.

1-17-DR-53

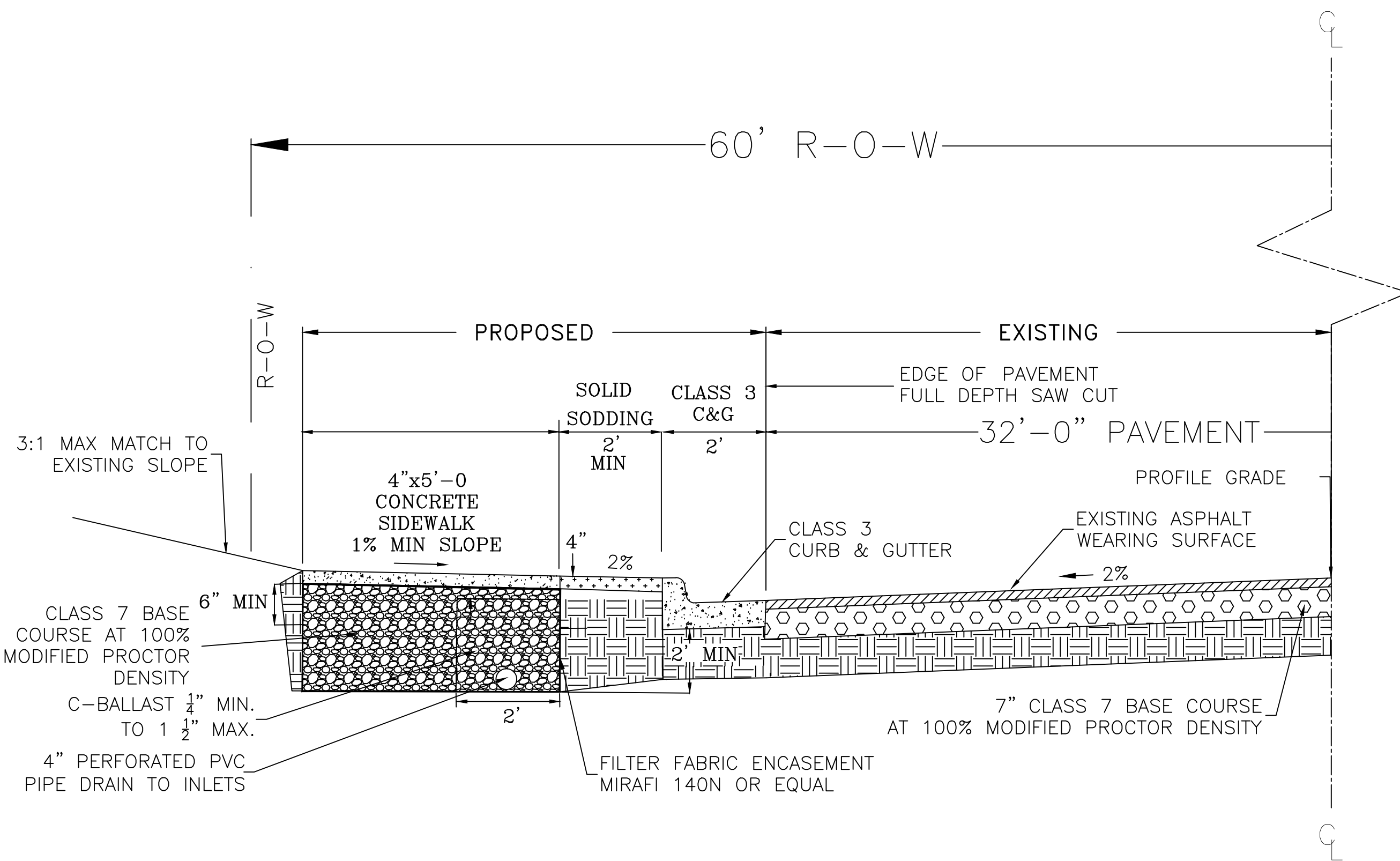
SHEET NO.

C1



CLR PROJECT# 1-17-DR-53		
MARTIN LUTHER KING JR. DRVE - DRAINAGE		
July 9, 2019		
ITEM DESCRIPTION	UNIT	QUANTITY
SITE PREPARATION	L.S.	1
UNCLASSIFIED EXCAVATION	C.Y.	346
TOPSOIL (6")	C.Y.	70
ACHM SURFACE COURSE	TON	12
CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	SF	600
ALLEY TURNOUT (8" THICK)	S.F.	717
CONCRETE CURB AND GUTTER (CLASS 3)	L.F.	1,143
CONCRETE SIDEWALK (4" THICK)	S.F.	4,089
CURB INLET - 4' BOX	EA.	7
WING 3' EXTENSION	EA.	7
CROSS DRAIN, 24" RCP	L.F.	479
SIDE DRAIN, 24" RCP	L.F.	16
TIE INTO EXISTING DROP INLET	EA.	4
SOLID SODDING (BERMUDA)	S.Y.	416
MAINTENANCE OF TRAFFIC	L.S.	1
WATER FOR DUST CONTROL	GAL	200
FINAL CLEANUP (2% OF SUBTOTAL EXCLUDING LS)	L.S.	1
C-BALLAST	TON	443
GRANULAR BACKFILL (SAND)	C.Y.	18
SEDIMENT BARRIER, SILT FENCE (SD1)	EA.	4
SILT FENCE - TYPE A (SFA)	L.F.	1,000
GEOTEXTILE FABRIC (TYPE 1)	S.Y.	1,444
4" PERFORATED PVC SUB DRAIN	L.F.	928

EXISTING	PROPOSED		
IRON ROD	○ IR	CONTOUR	
PK NAIL	○ PK	SPOT ELEVATION	
R.R. SPIKE	○ RR(Sp)	SPOT CURB ELEVATION	
CONC. MONUMENT	□ CM	STORM SEWER - PIPE	
WATER VALVE	⊗ WV	STORM SEWER - MITERED END SECTION	
WATER METER	⊞ WM	STORM SEWER - GRATE INLET	
FIRE HYDRANT	⊞ FH	STORM SEWER - JUNCTION BOX	
GAS METER	⊞ GM	STORM SEWER - FLARED END SECTION	
GAS VALVE	⊗ GV	STORM SEWER - HEADWALL	
CLEAN-OUT	○ CO	STORM SEWER - INLET WITH SINGLE EXTENSION	
GUARD POST (BOLLARD)	● GP	STORM SEWER - INLET WITH DOUBLE EXTENSION	
SIGN POST		STORM SEWER - AREA INLET	
BENCHMARK	⊕	GRADE BREAK LINE	
STORM SEWER MANHOLE	⊕ S	HIGH POINT	HP
SANITARY SEWER MANHOLE	⊕ S	LOW POINT	LP
TELEPHONE MANHOLE	⊕ T	CUT LINE	C
ELECTRIC MANHOLE	⊕ E	FILL LINE	F
TELEPHONE BOX	⊕ T	SANITARY SEWER PIPE	
ELECTRIC BOX	⊕ E	SANITARY SEWER MANHOLE	
CABLE BOX	⊕ C	CURB	
UTILITY POLE	⊕ U	CONCRETE	
GUY WIRE	⊕ G	CONSTRUCTION - ENTRANCE/EXIT	
LIGHT POLE	⊕ L	CHECK DAM	
POST OR POLE (TYPE AS NOTED)	⊕ P	DIVERSION BERM	
MAILBOX	⊕ M	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 UTILITY		SILT FENCE - TYPE C	
UNDERGROUND TELEPHONE		STORM DRAIN OUTLET PROTECTION	
UNDERGROUND ELECTRIC		SURFACE ROUGHENING	
WATER LINE		DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	
SEWER LINE		DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	
GAS LINE		DISTURBED AREA STABILIZATION - PERMANENT GRASSING	
STORM SEWER/CULVERT		MATting/BLANKETS	
CONTOUR LINE			



TYPICAL SECTION  
NTS

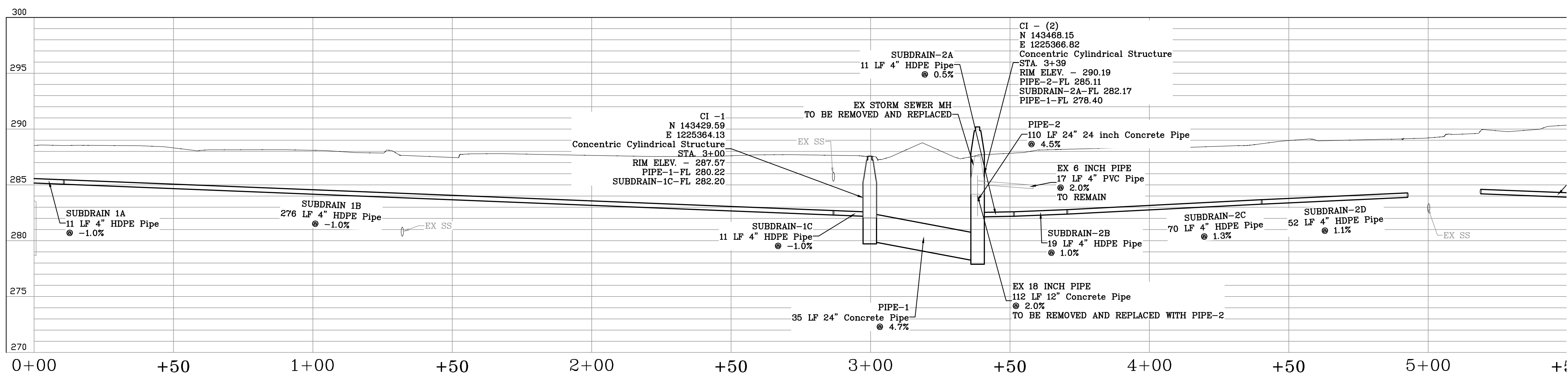
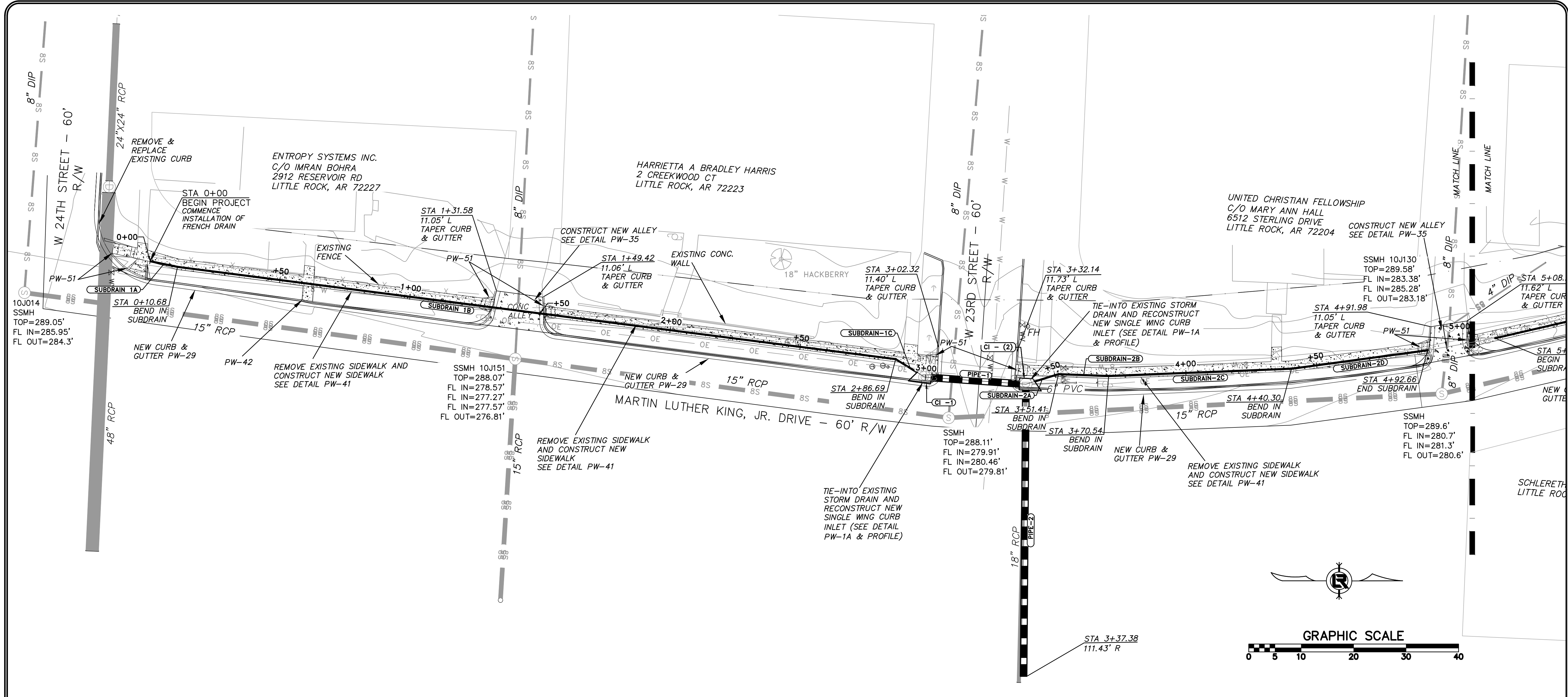
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
MLK JR. DRIVE - DRAINAGE IMPROVEMENTS  
LEGEND

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

DRAWN BY KP
DESIGNED KP
CHECKED -
DATE 07-09-19
SCALE NTS
PROJECT NO. 1-17-DR-53
SHEET NO. C2

PRELIMINARY- 60% SUBMITTAL



**PRELIMINARY- 60% SUBMITTAL**

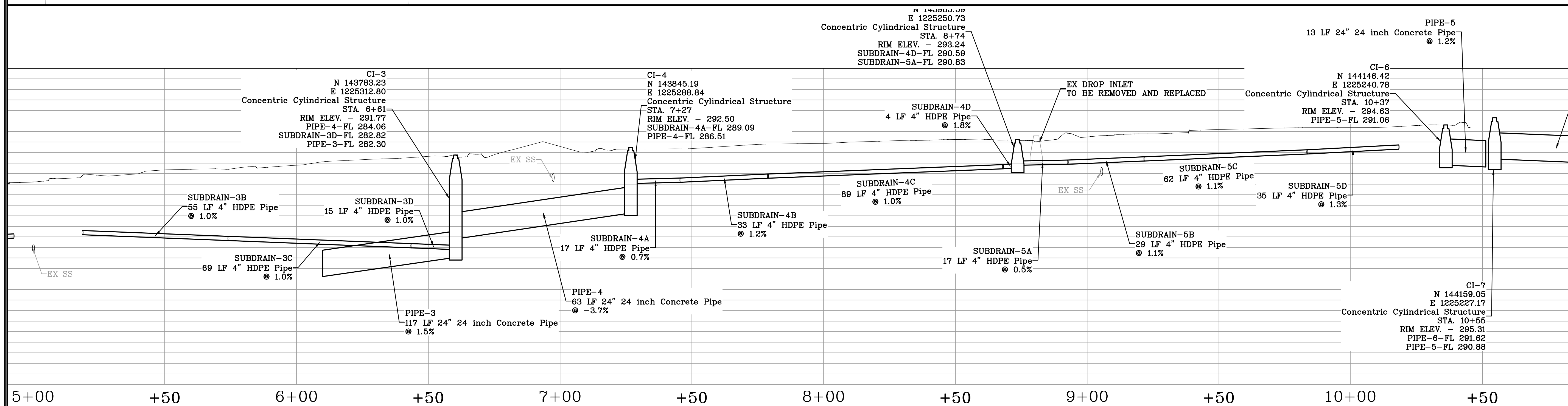
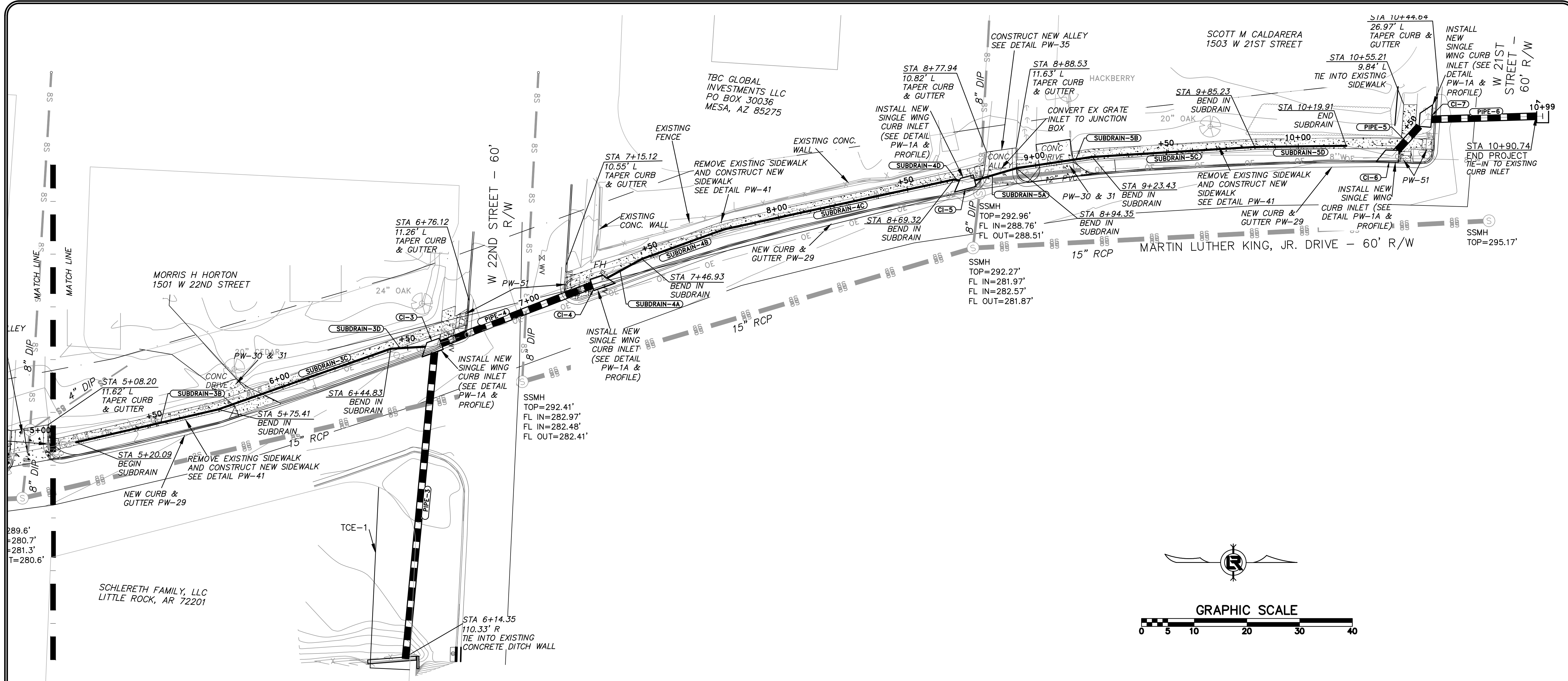
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**MLK JR. DRAINAGE IMPROVEMENTS**  
 PLAN & PROFILE STA 0+00 TO STA 5+00

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

DRAWN BY DW/AV
DESIGNED KP
CHECKED RB
DATE 07-09-19
SCALE 1"=20' H, 1"=5' V
PROJECT NO. CLR #1-17-DR-53
SHEET NO. <b>C3</b>






**PRELIMINARY- 60% SUBMITTAL**

REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**MLK JR. DRAINAGE IMPROVEMENTS**  
 PLAN & PROFILE STA 5+00 TO END

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

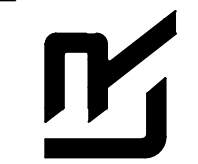
DRAWN BY  
 KP  
 DESIGNED  
 KP  
 CHECKED  
 RB  
 DATE  
 07-09-19  
 SCALE  
 1"=20' H, 1"=5' V  
 PROJECT NO.  
 CLR #11-17-DR-53  
 SHEET NO.  
**C4**

REVISIONS	DATE

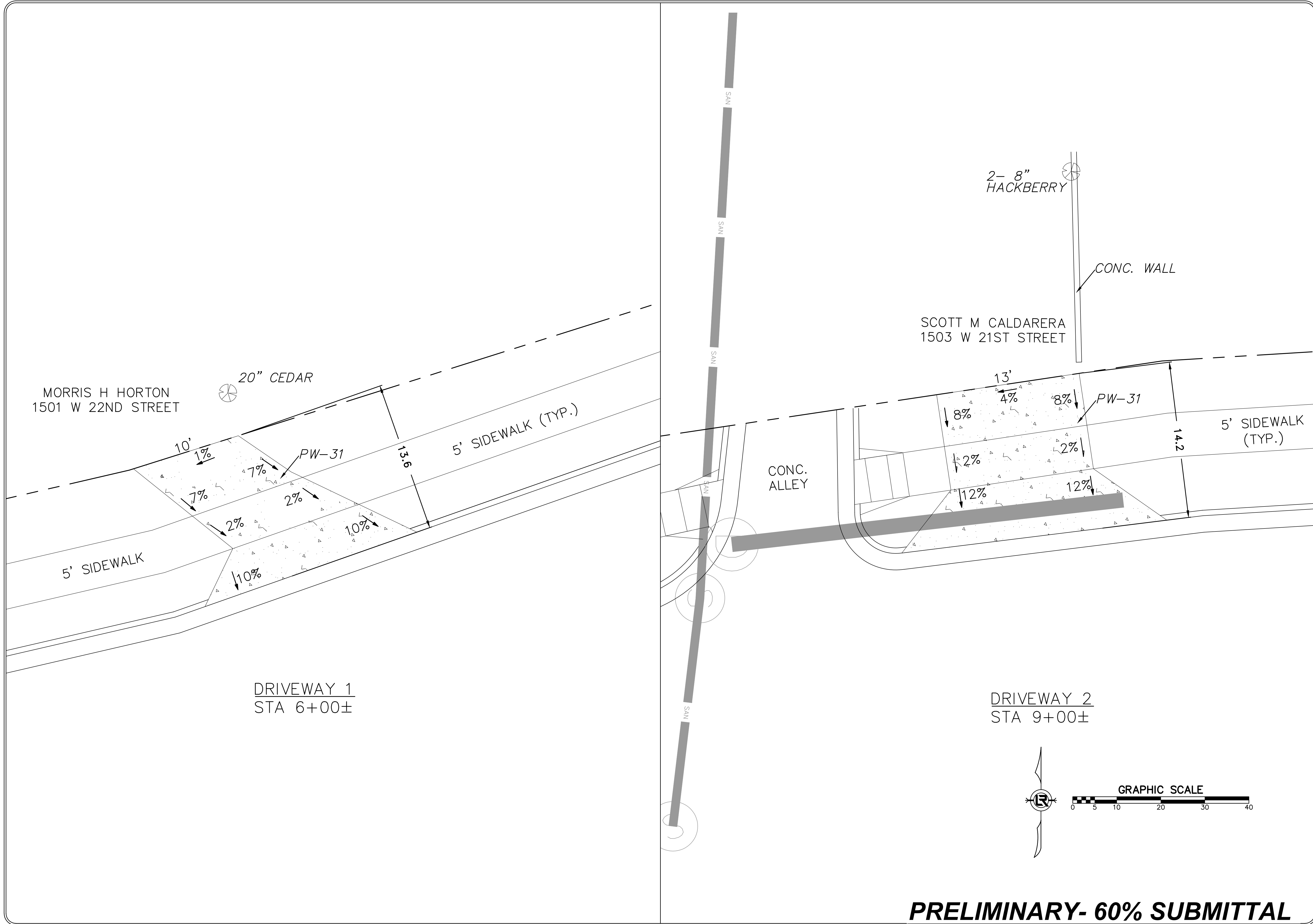
CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE - DRAINAGE IMPROVEMENTS  
 DRIVEWAY PLANS



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



DRAWN BY  
 AV  
 DESIGNED  
 KP  
 CHECKED  
 JB  
 DATE  
 07-09-19  
 SCALE  
 1:20  
 PROJECT NO.  
 1-17-DR-53  
 SHEET NO.  
 C5



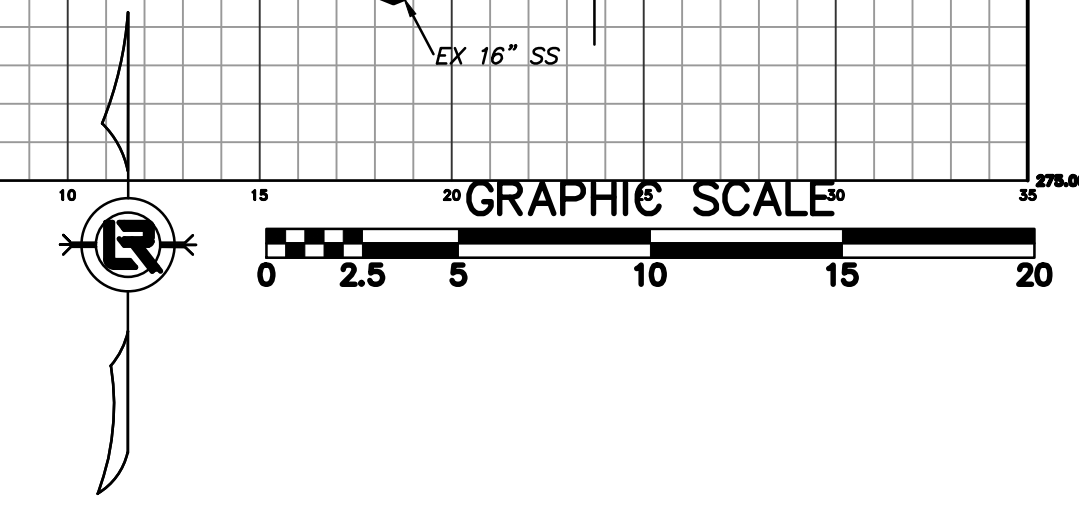
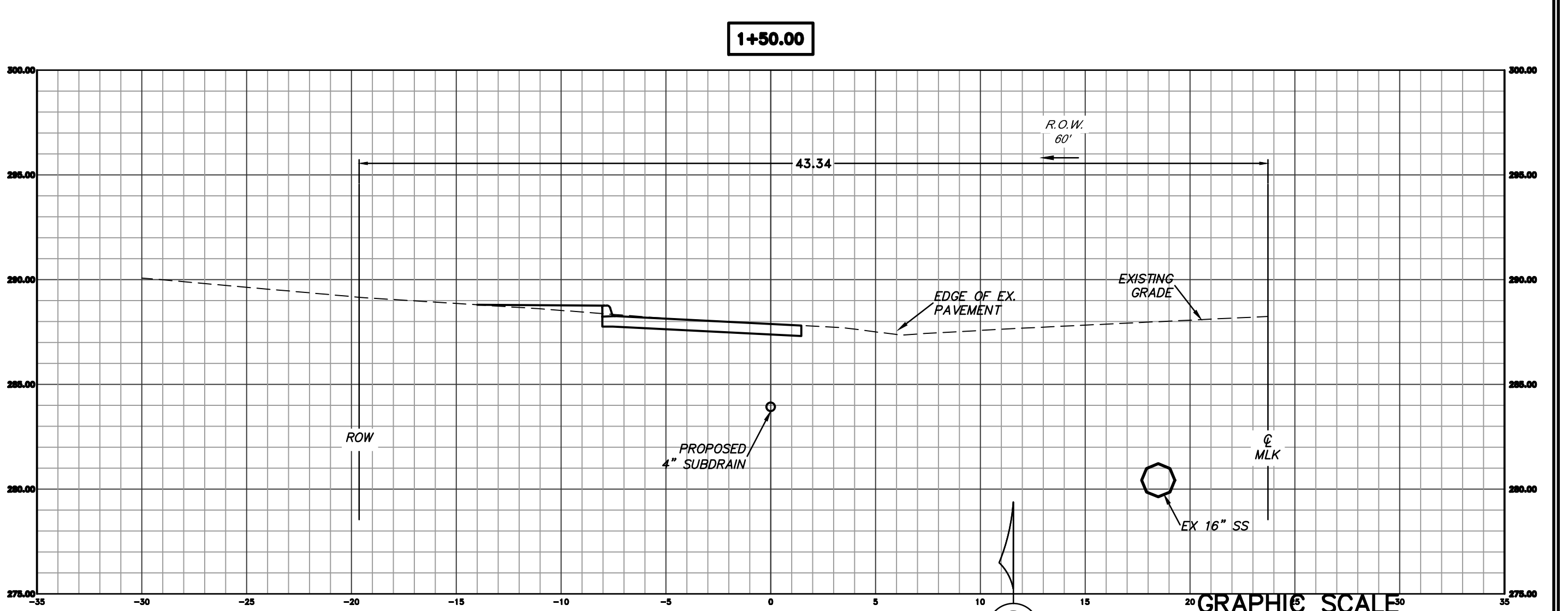
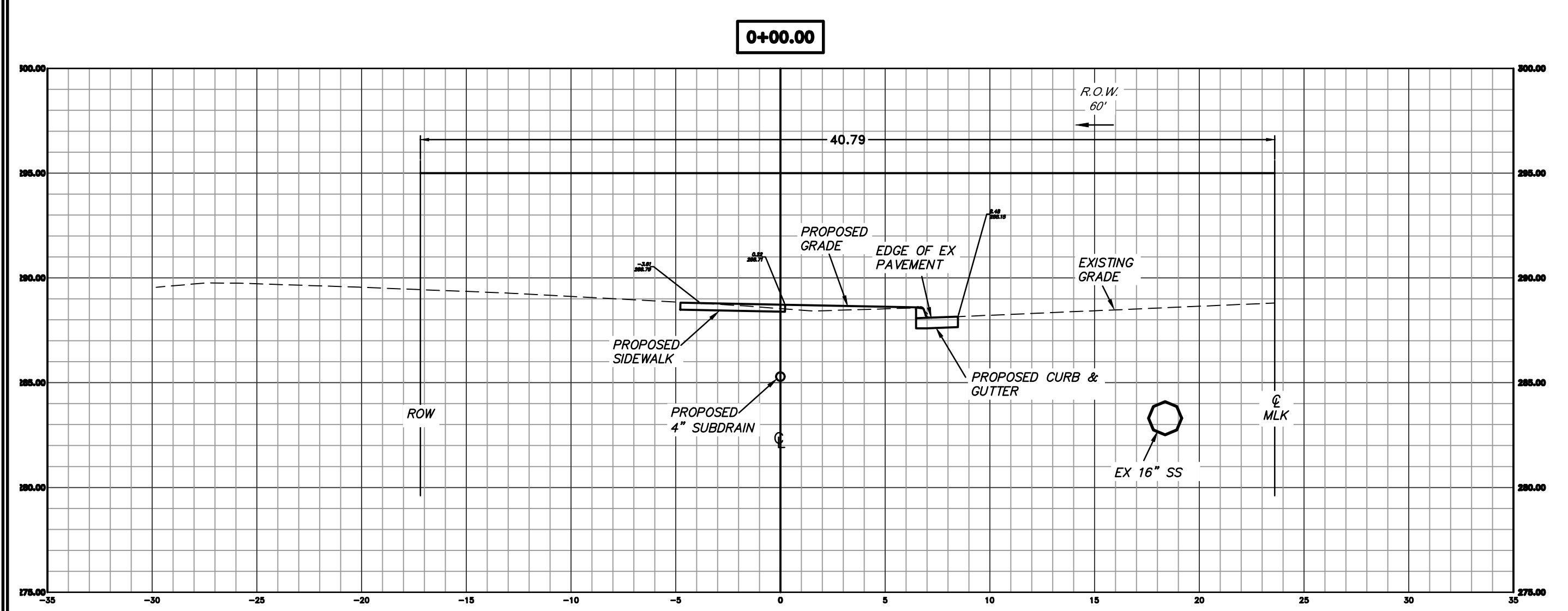
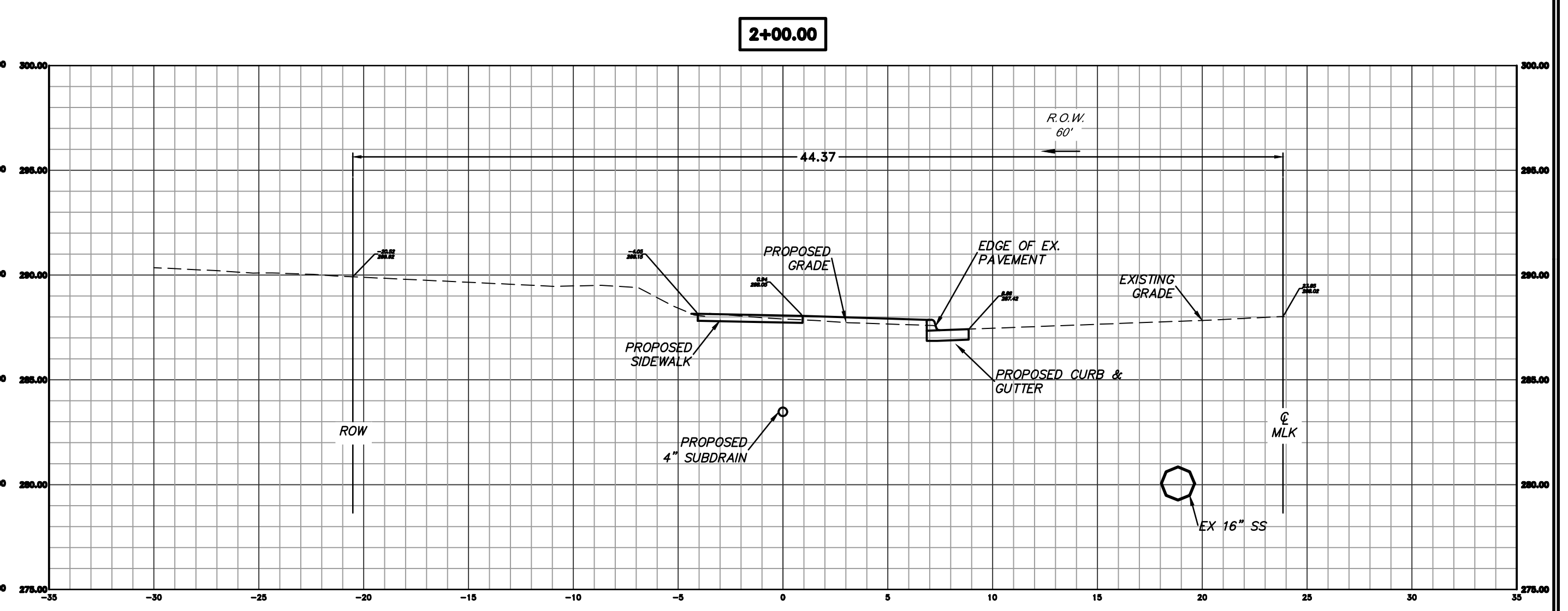
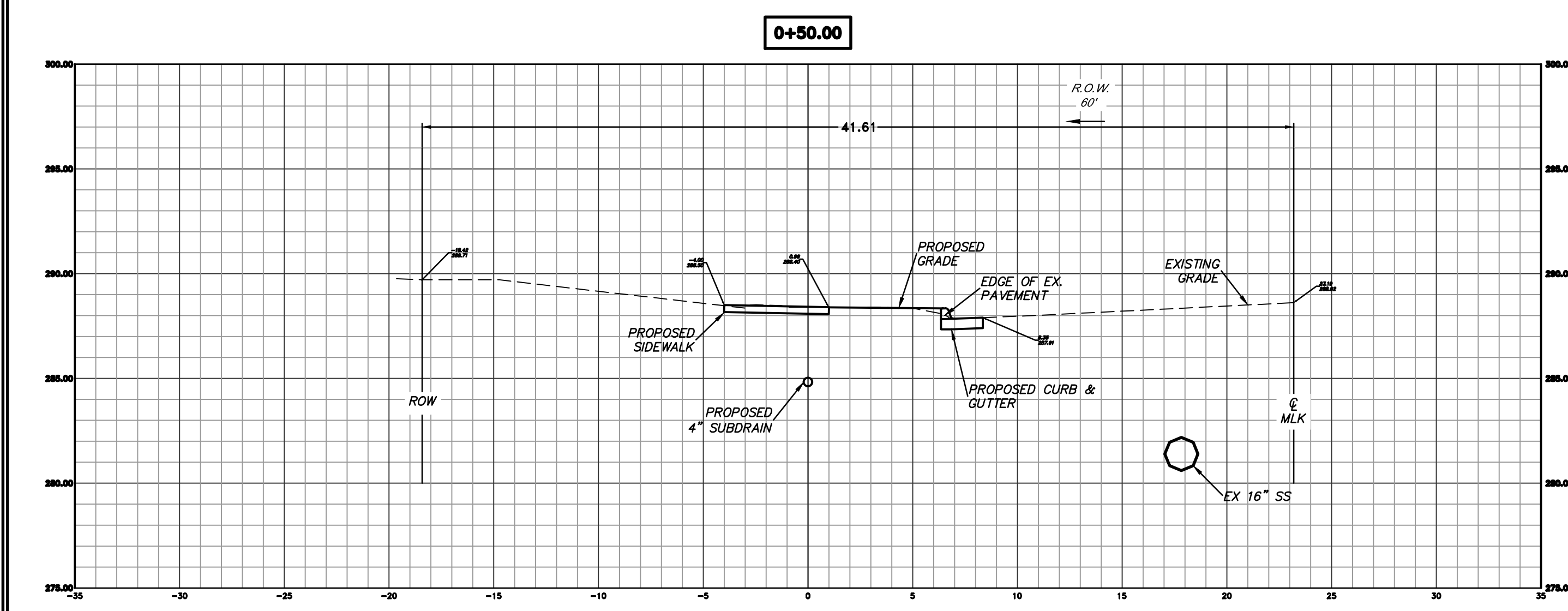
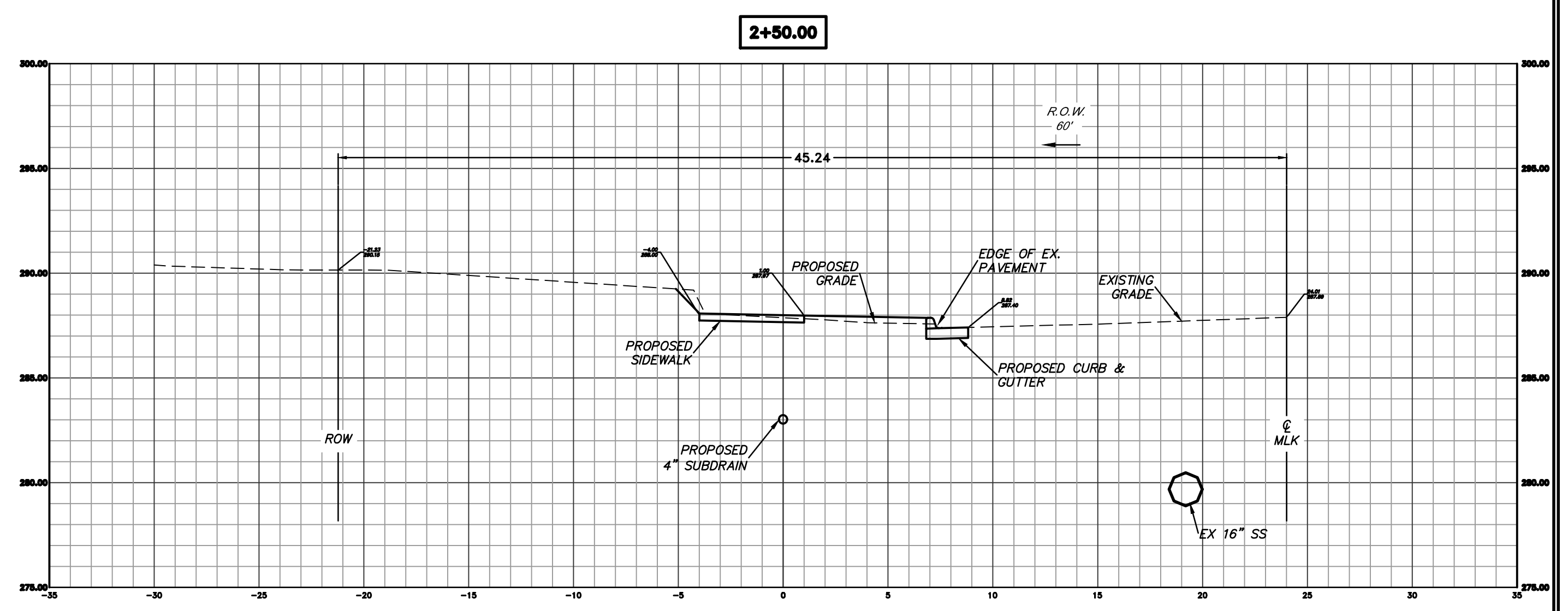
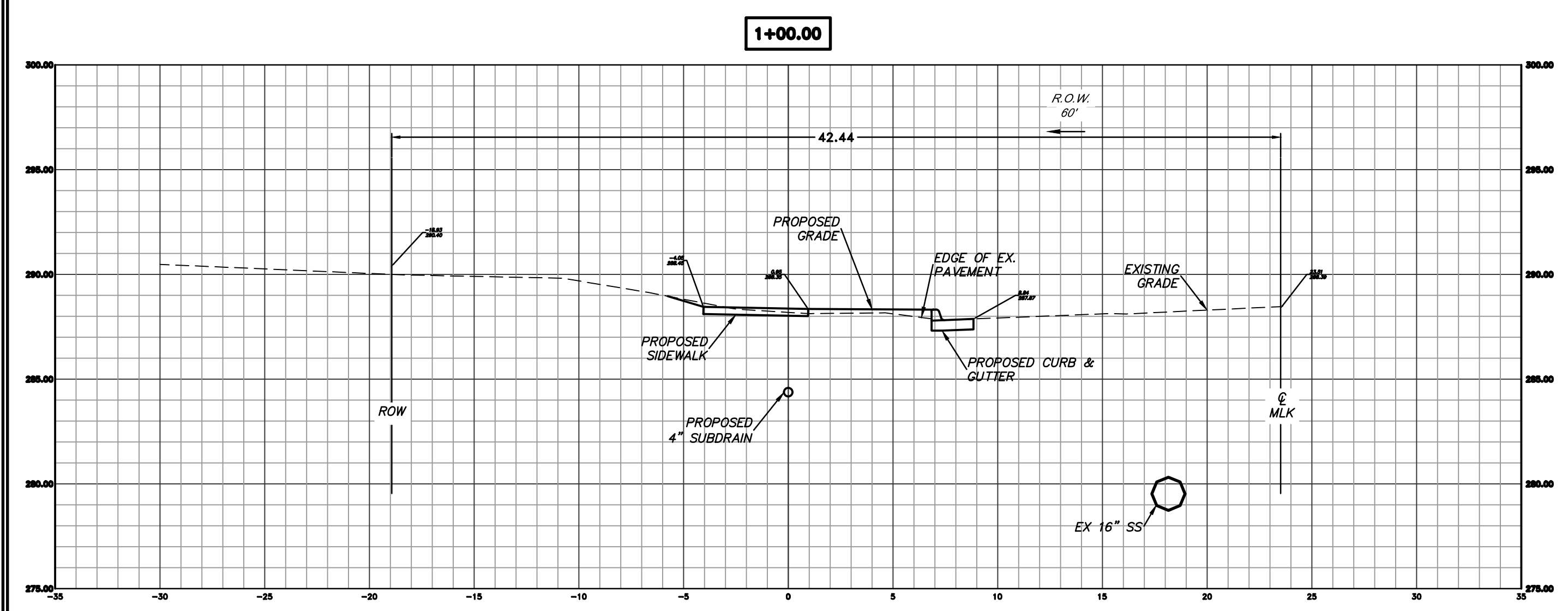
**PRELIMINARY- 60% SUBMITTAL**

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE- DRAINAGE IMPROVEMENTS  
 CROSS-SECTIONS STA 0+00 THROUGH STA 2+50

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

DRAWN BY  
 JP  
 DESIGNED  
 KP  
 CHECKED  
 RB  
 DATE  
 07.09.19  
 SCALE  
 1"=5'  
 PROJECT NO.  
 1-17-DR-53  
 SHEET NO.  
 C6



**PRELIMINARY- 60% SUBMITTAL**

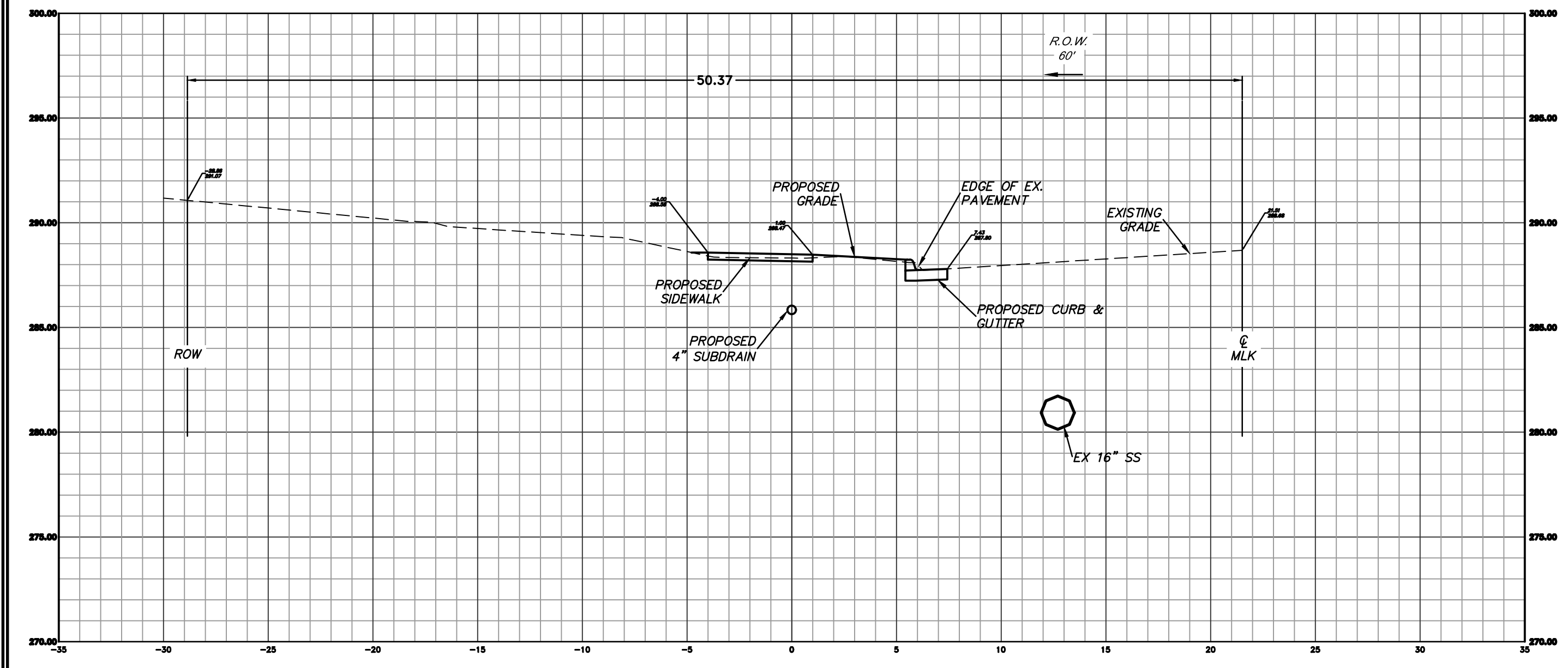
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE- DRAINAGE IMPROVEMENTS  
 CROSS-SECTIONS STA 3+00 THROUGH STA 5+50

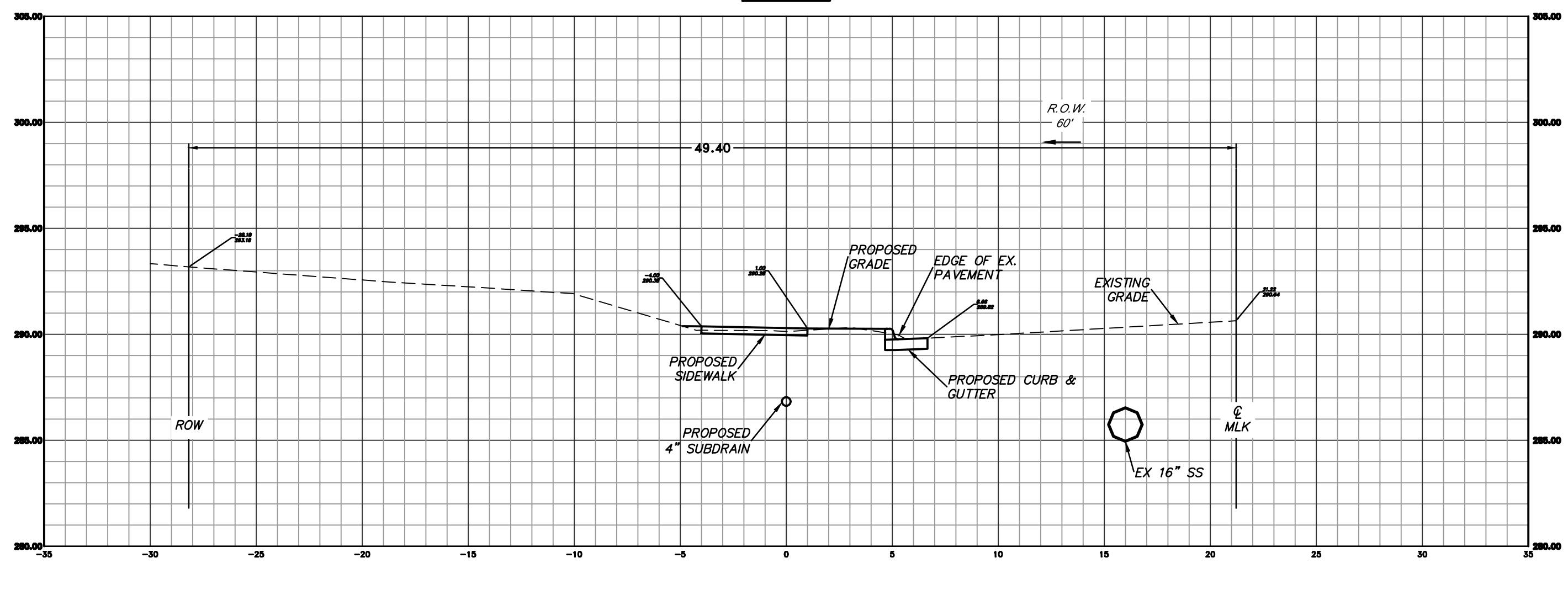
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

DRAWN BY  
 JP  
 DESIGNED  
 KP  
 CHECKED  
 RB  
 DATE  
 07.09.19  
 SCALE  
 1"=5'  
 PROJECT NO.  
 1-17-DR-53  
 SHEET NO.  
**C7**

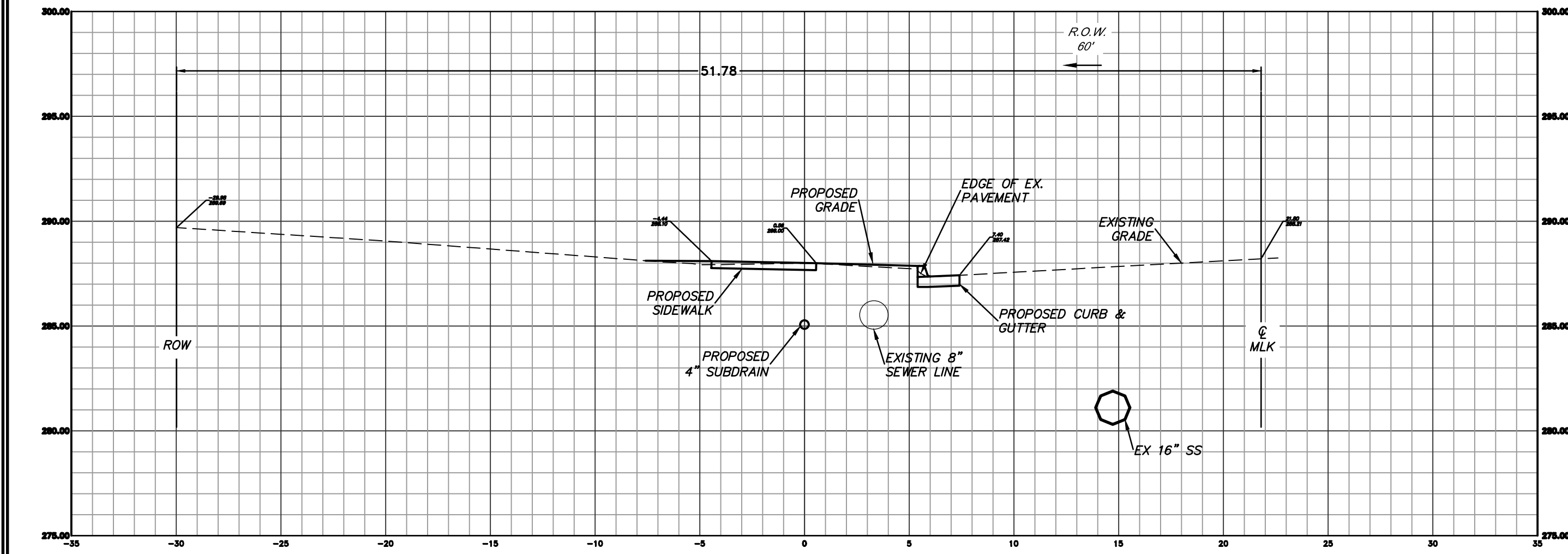
4+00.00



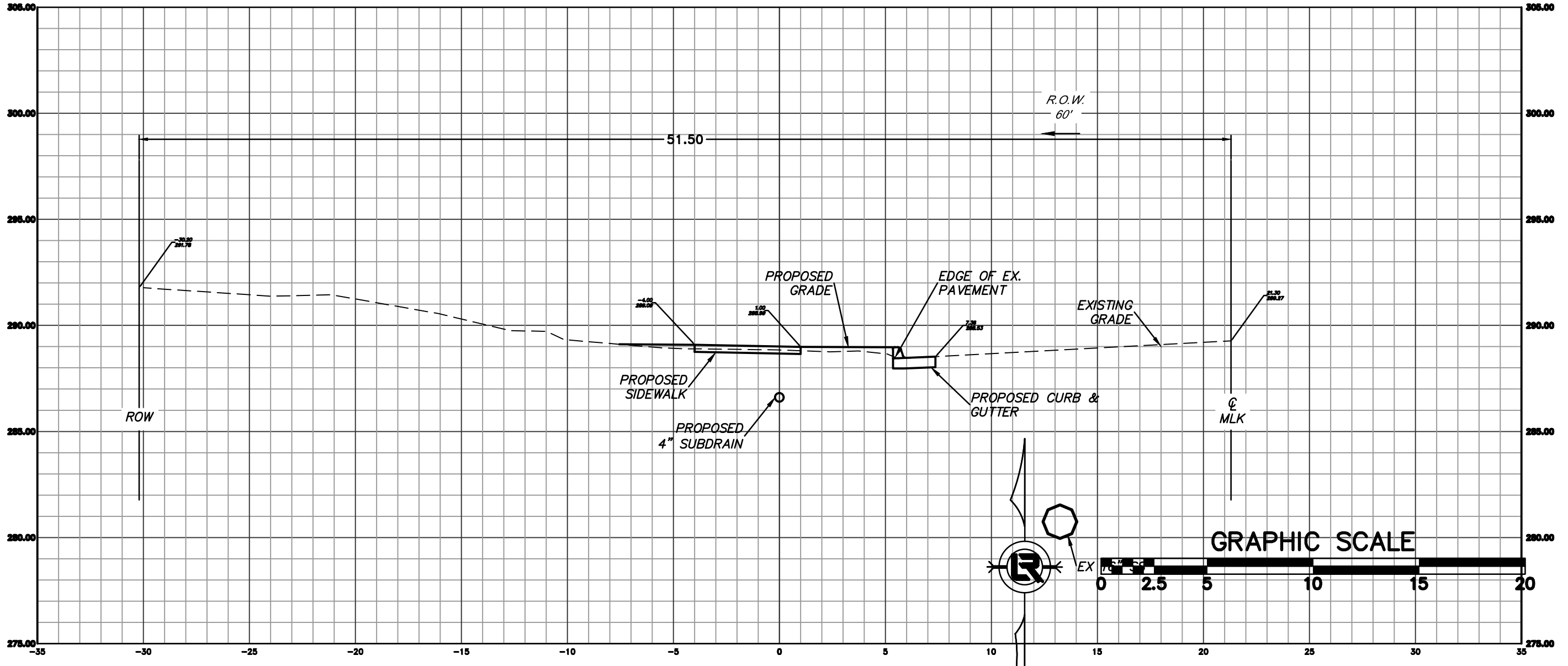
5+50.00



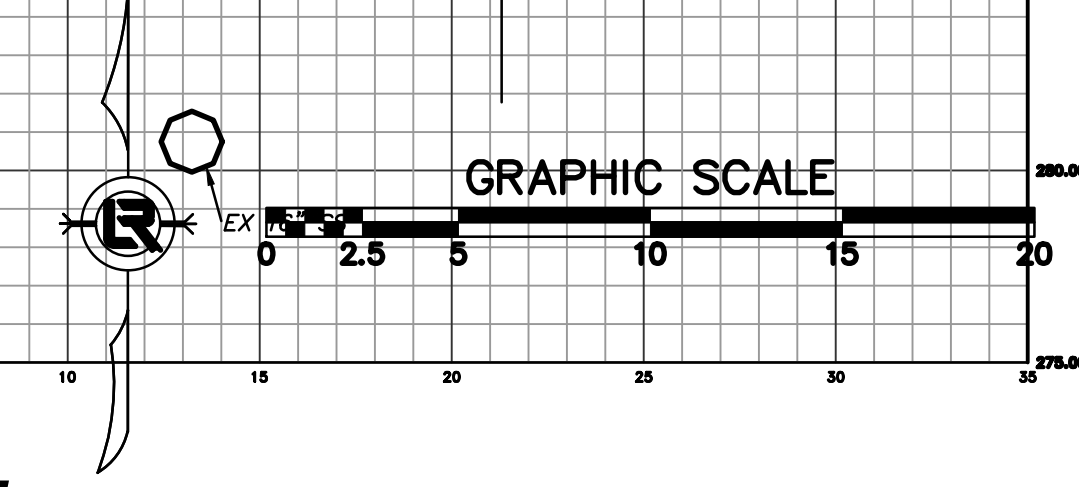
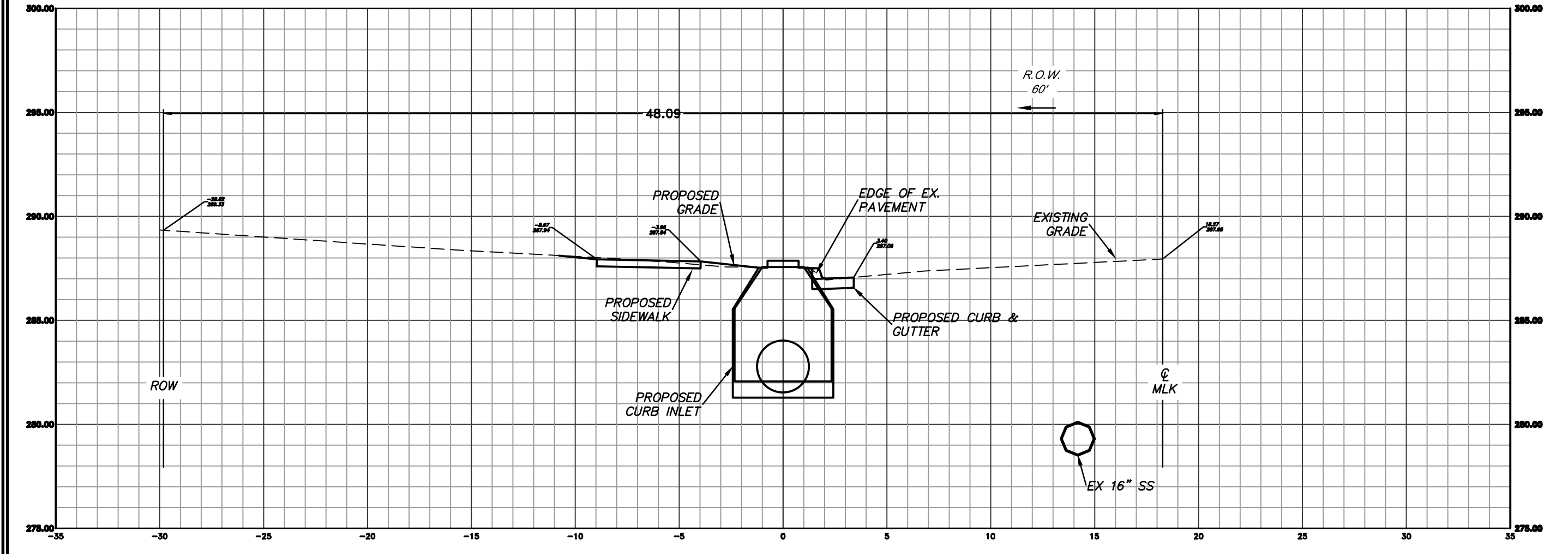
3+50.00



4+50.00



3+00.00



**PRELIMINARY- 60% SUBMITTAL**

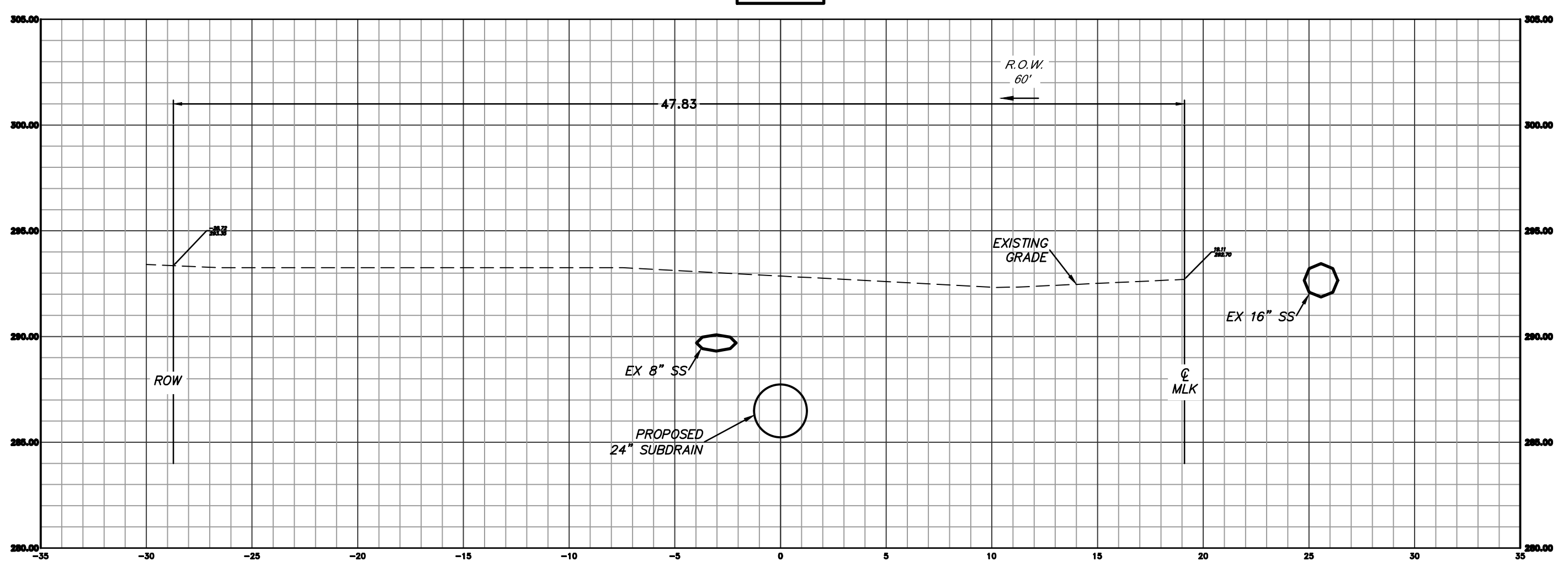
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE- DRAINAGE IMPROVEMENTS  
 CROSS-SECTIONS STA 6+00 THROUGH STA 8+50

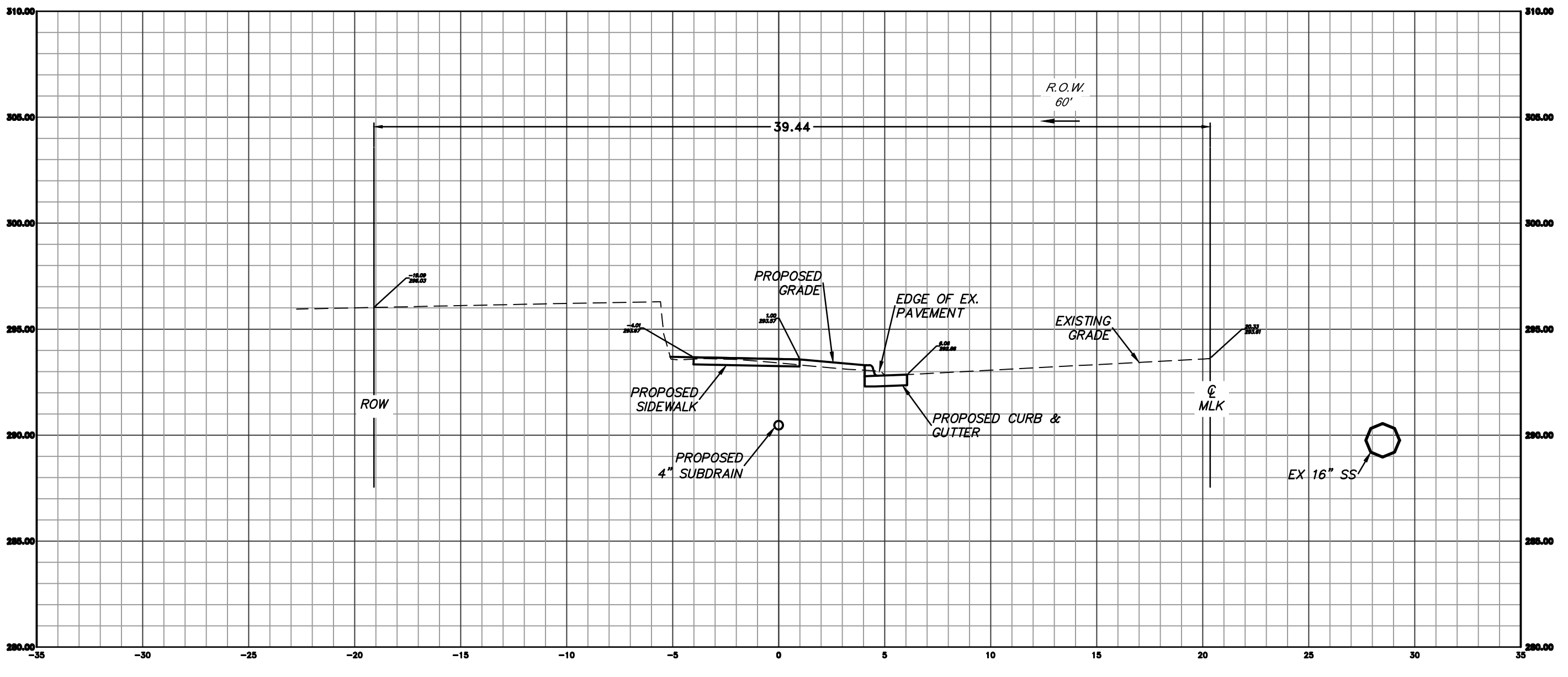
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

DRAWN BY  
 JP  
 DESIGNED  
 KP  
 CHECKED  
 RB  
 DATE  
 07.09.19  
 SCALE  
 1"=5'  
 PROJECT NO.  
 1-17-DR-53  
 SHEET NO.  
 C8

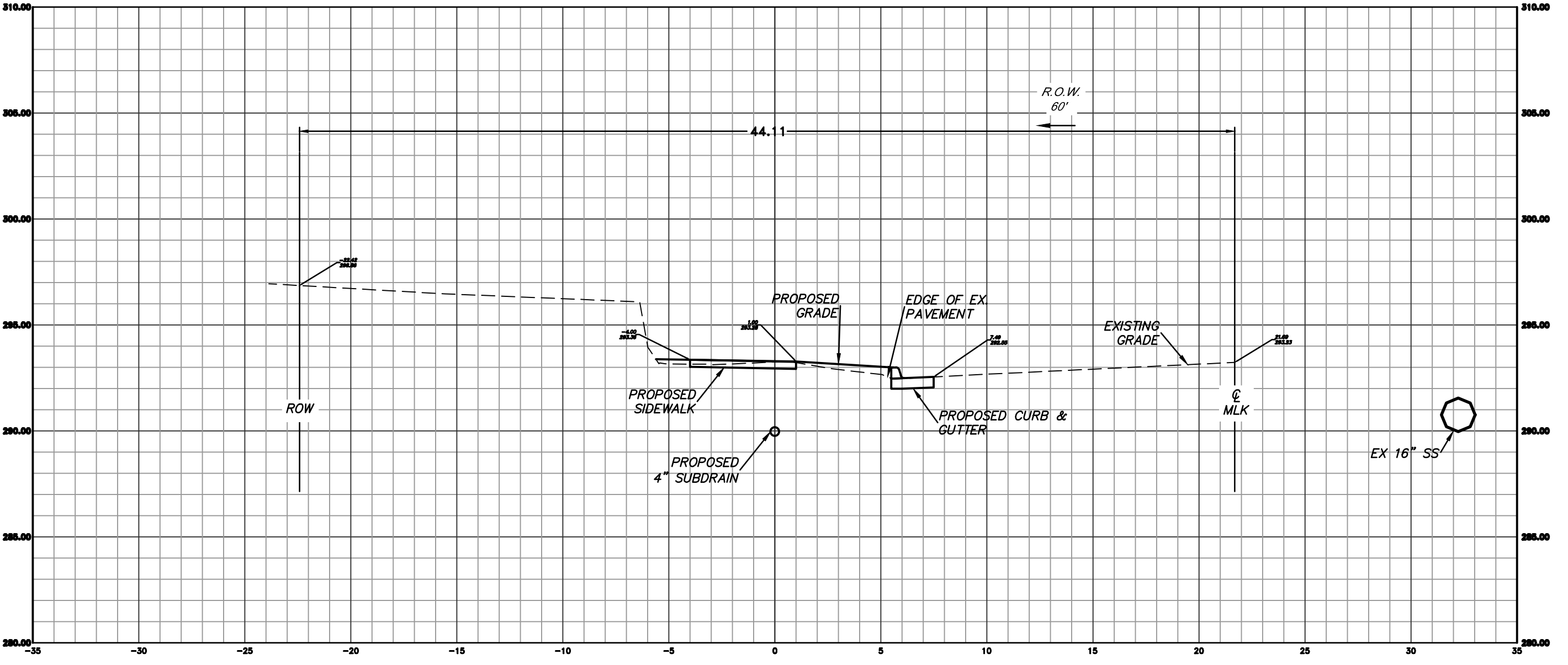
7+00.00



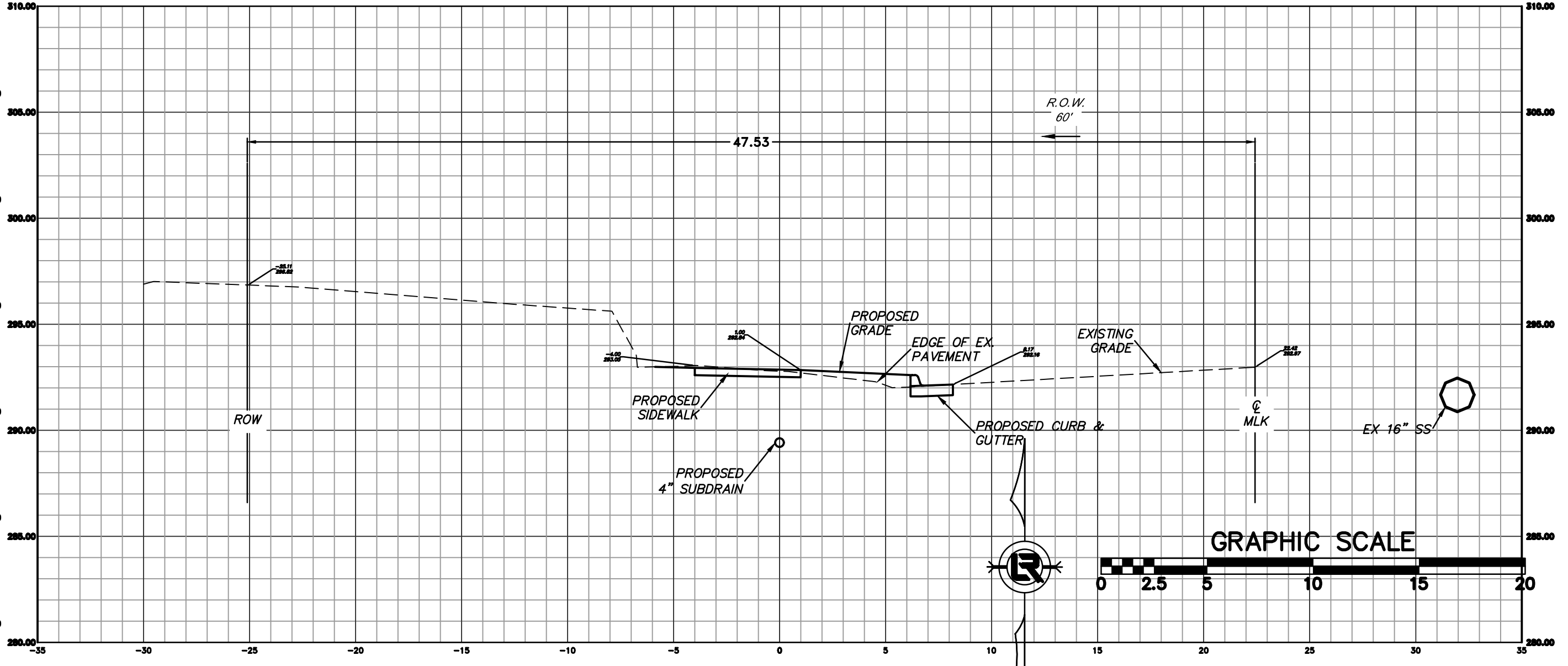
8+50.00



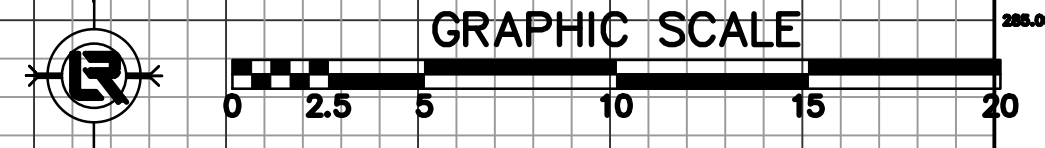
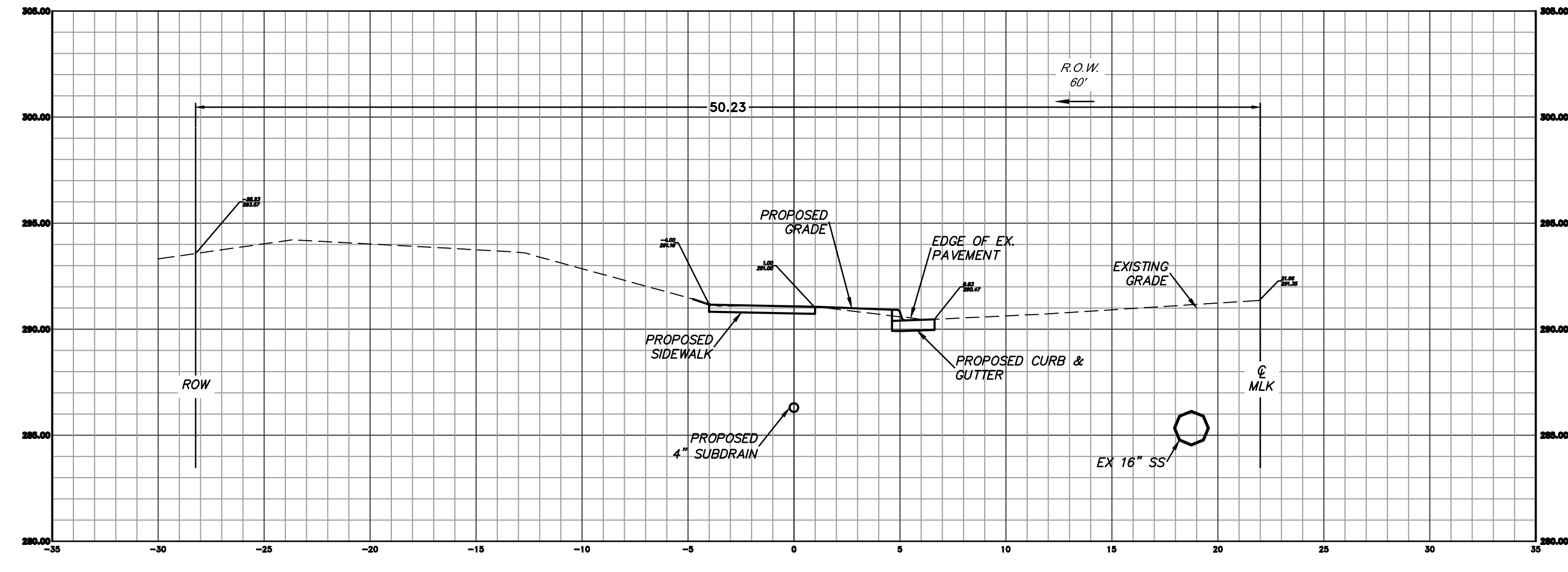
8+00.00



7+50.00



8+00.00




PRELIMINARY- 60% SUBMITTAL

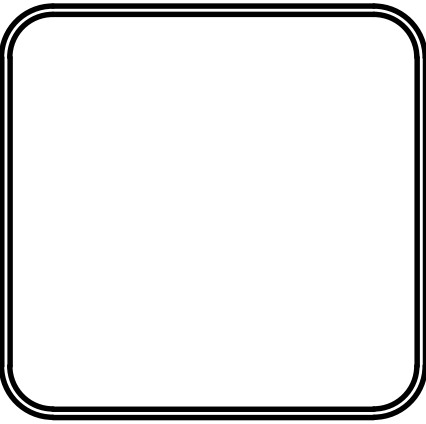


REVISIONS	DATE

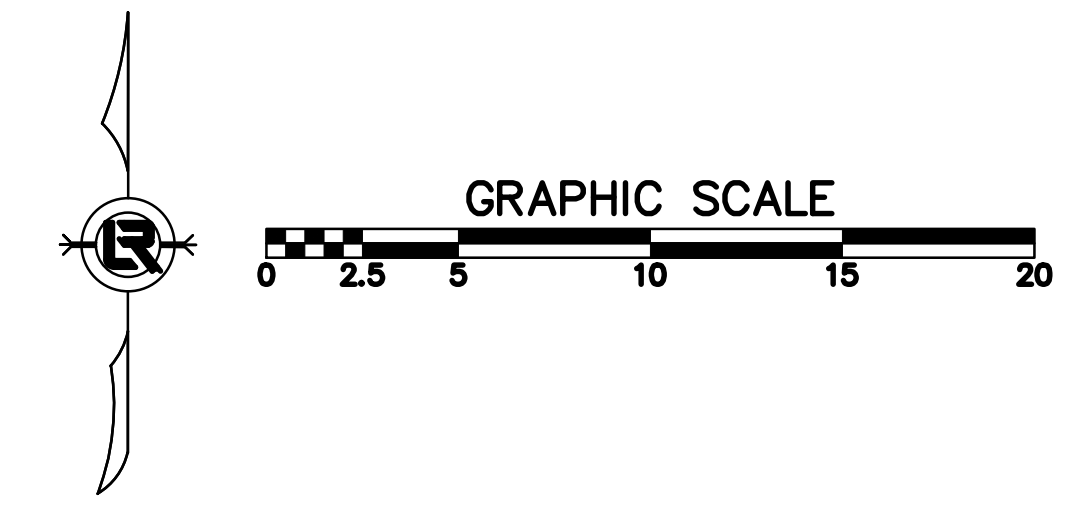
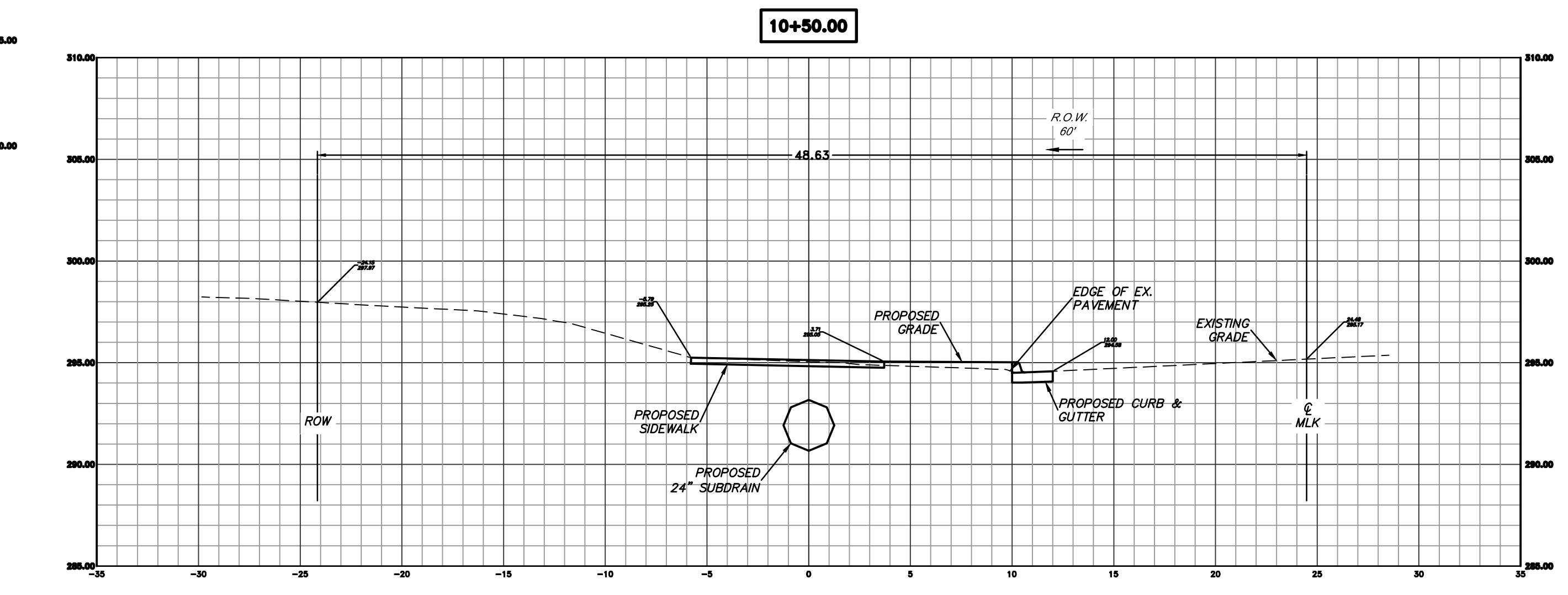
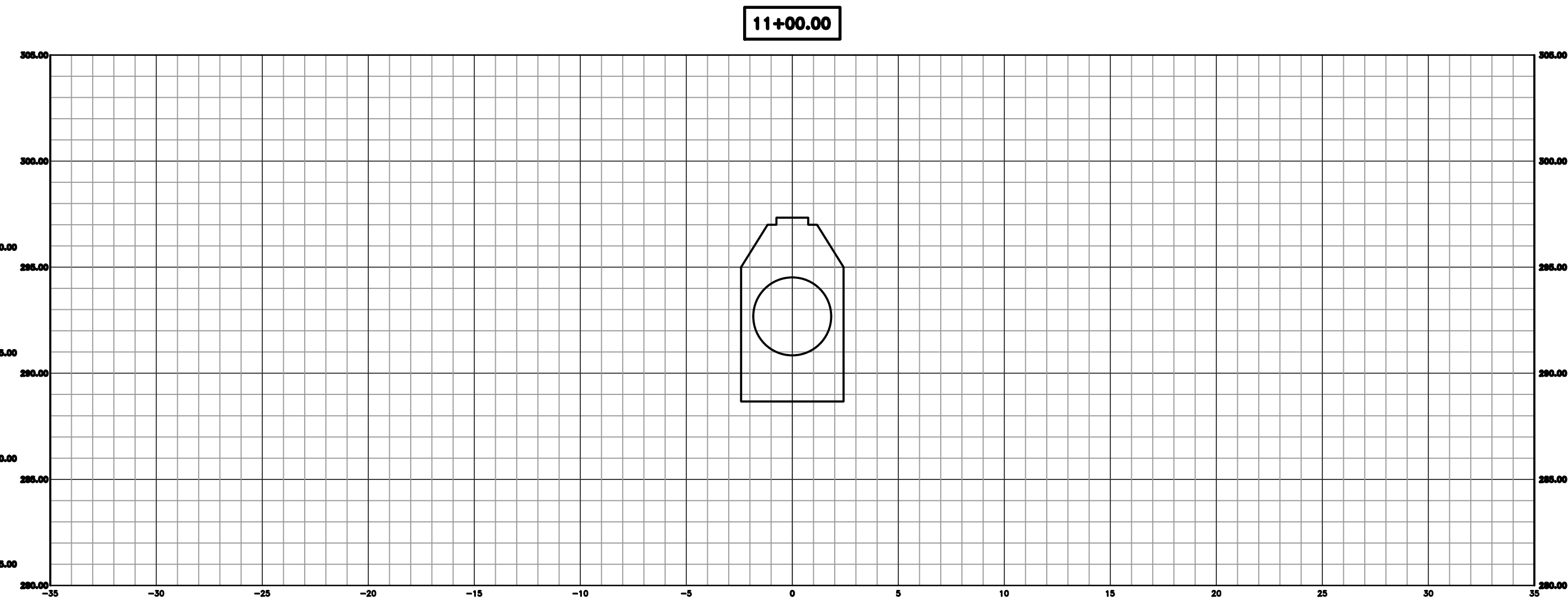
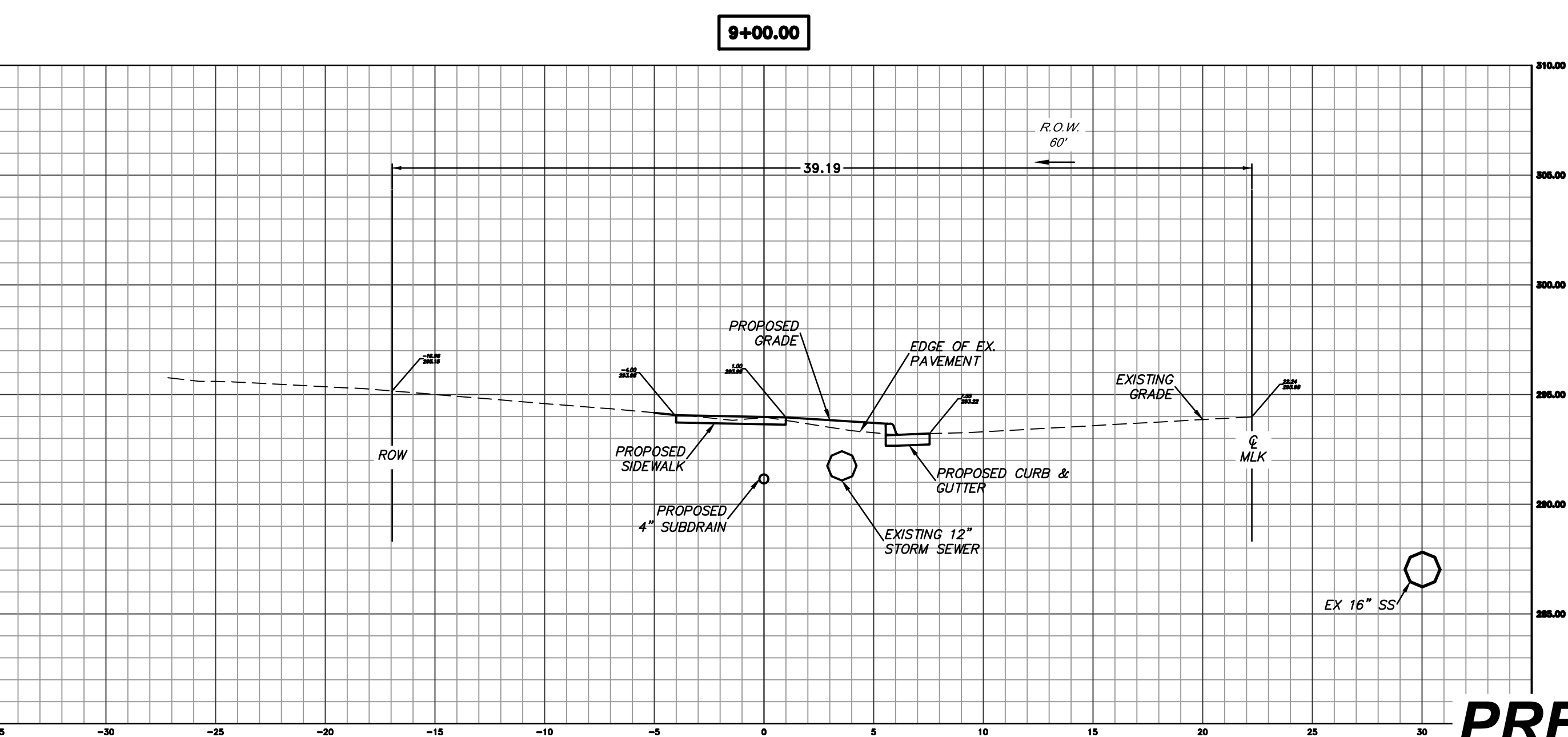
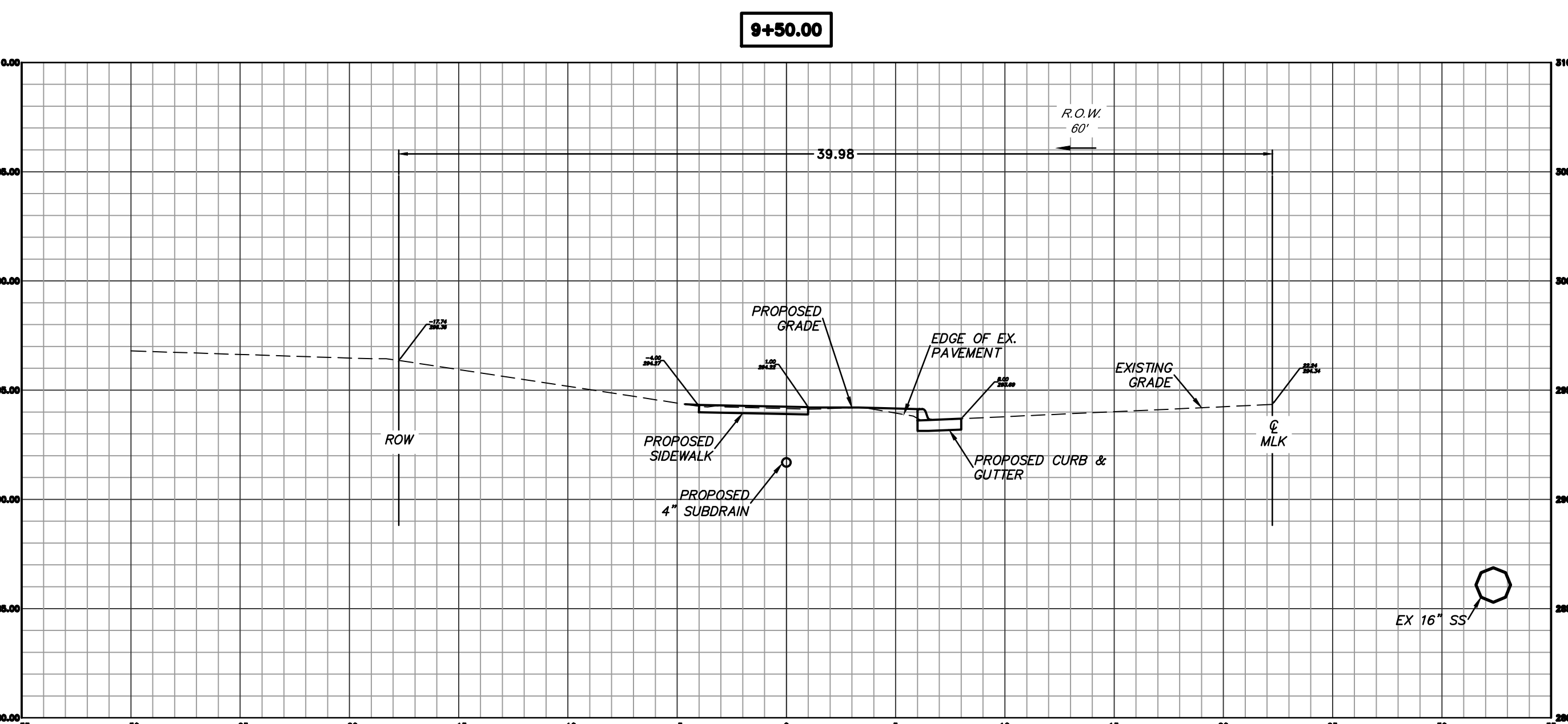
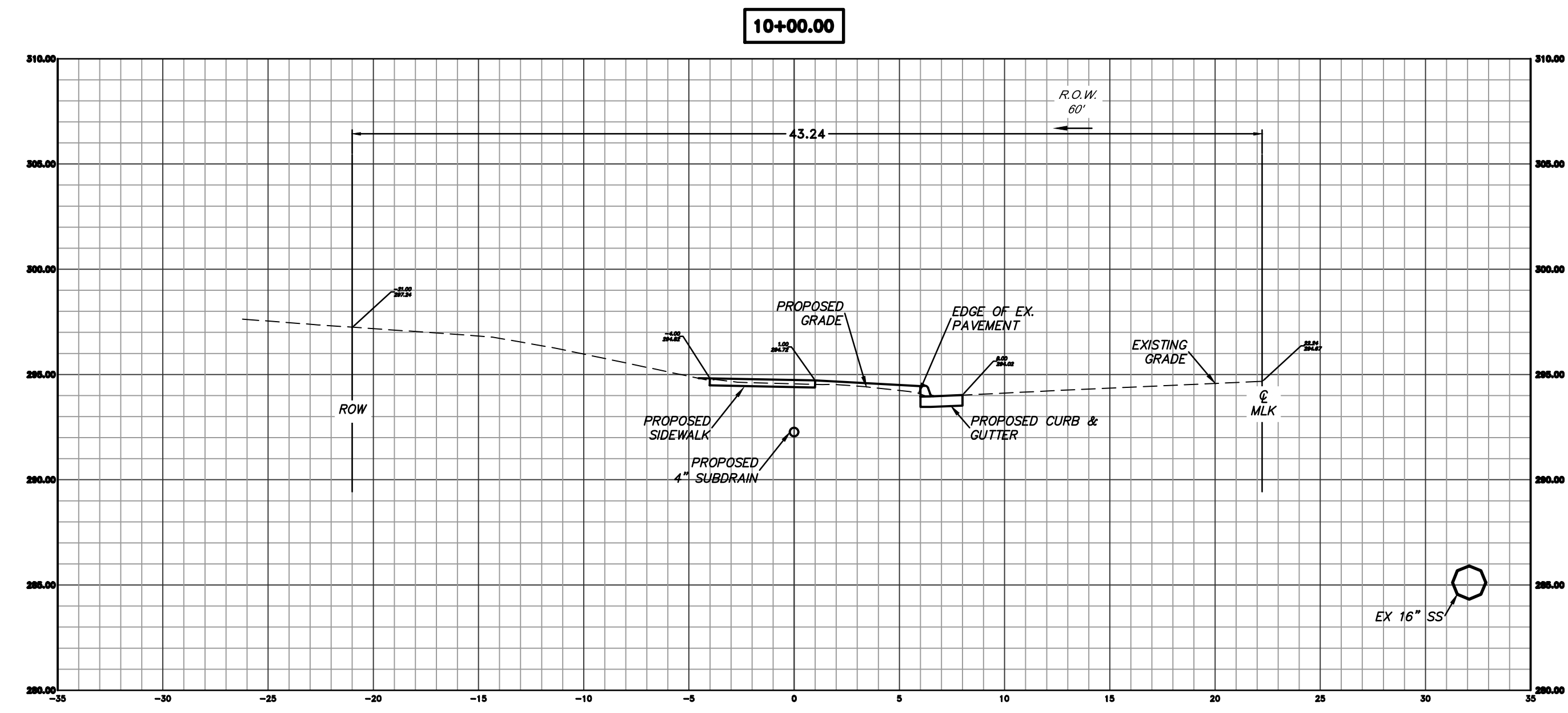
CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE- DRAINAGE IMPROVEMENTS  
 CROSS-SECTIONS STA 9+00 THROUGH STA 11+00



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



DRAWN BY JP
DESIGNED KP
CHECKED RB
DATE 07.09.19
SCALE 1"=5'
PROJECT NO. 1-17-DR-53
SHEET NO. C9



**PRELIMINARY- 60% SUBMITTAL**

CITY OF LITTLE ROCK, ARKANSAS  
MLK JR. DRIVE - DRAINAGE IMPROVEMENTS

EROSION CONTROL STA. 0+00 TO STA. 5+50

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



DRAWN BY

AV

DESIGNED

KP

CHECKED

JB

DATE

07-09-19

SCALE

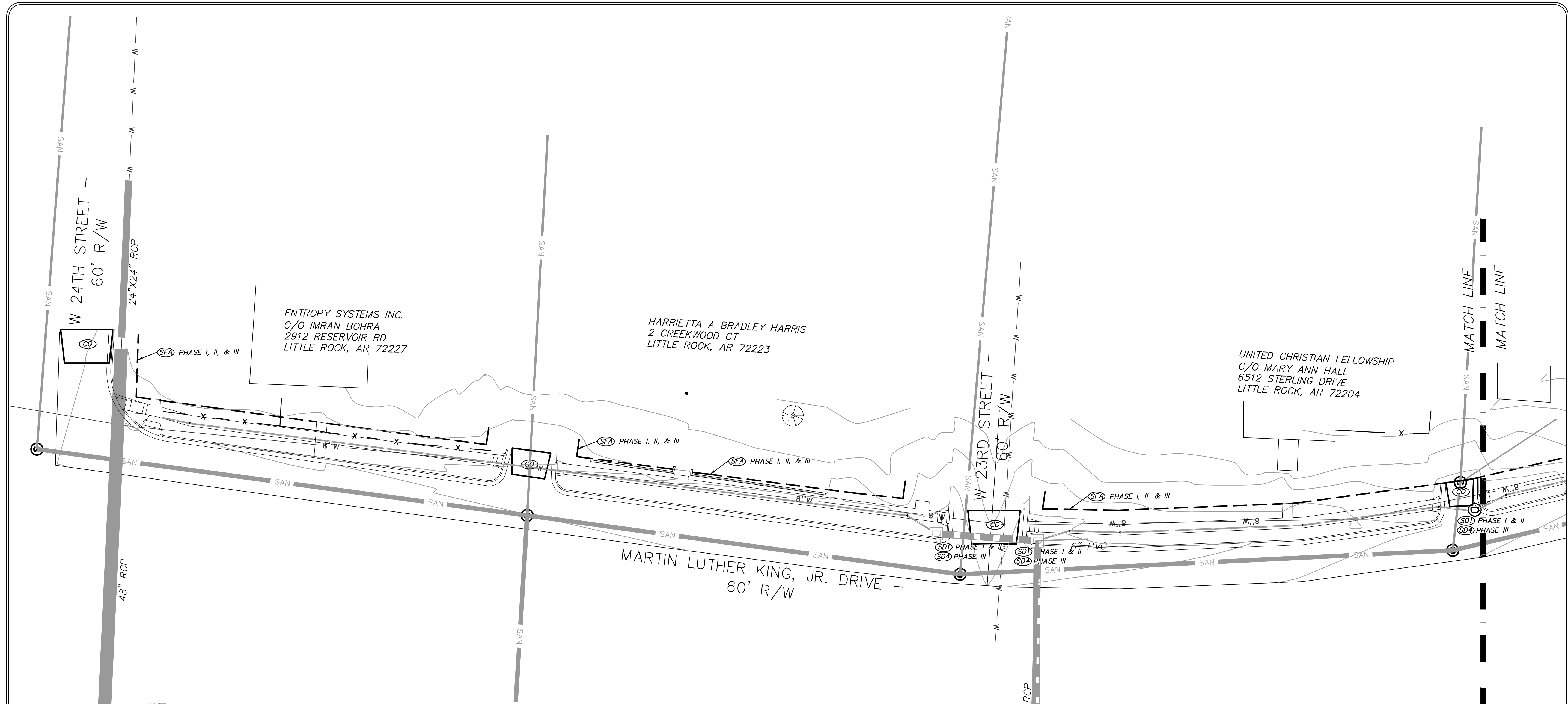
1:20

PROJECT NO.

1-17-DR-53

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.

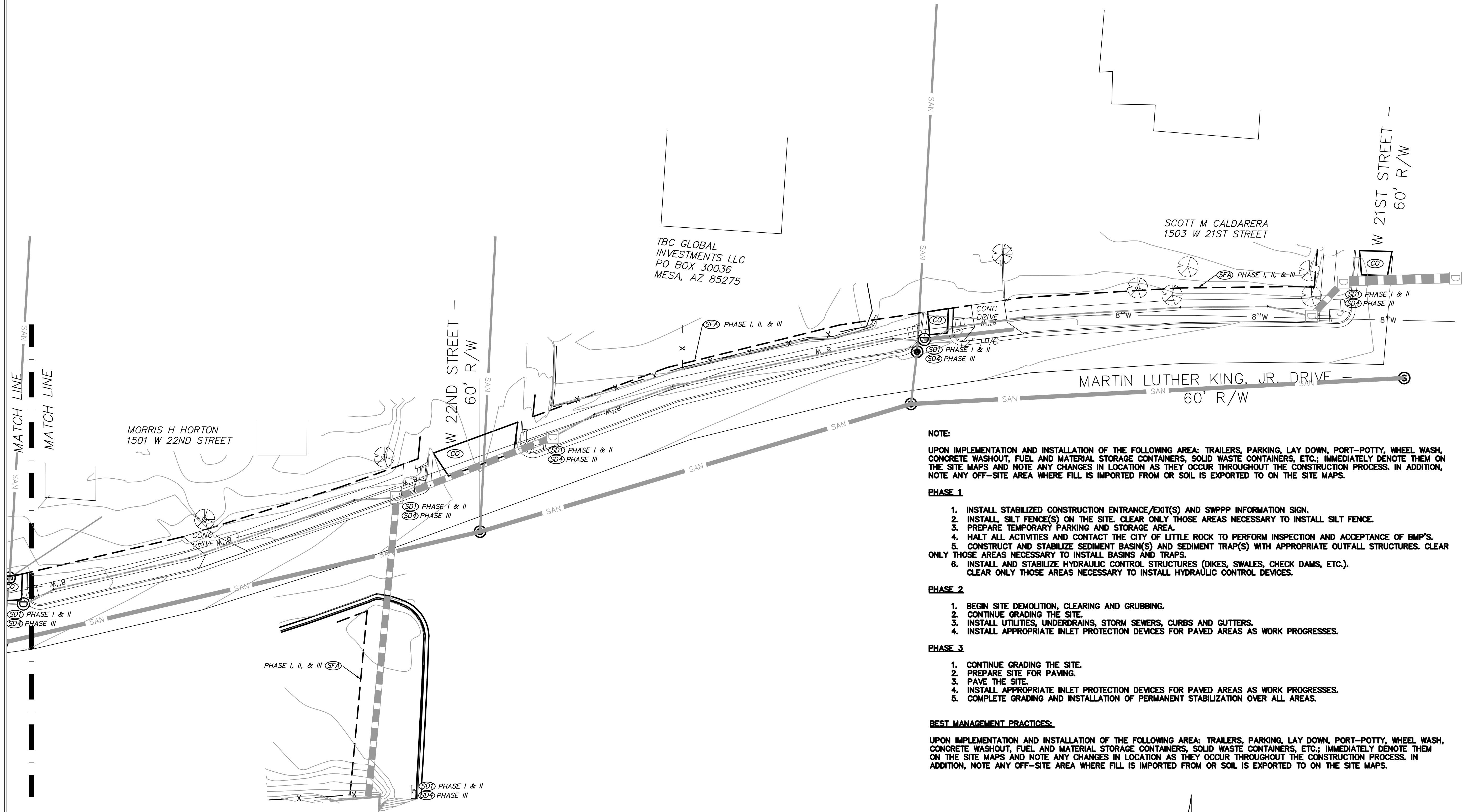
**BEST MANAGEMENT PRACTICES:**

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.

**PRELIMINARY- 60% SUBMITTAL**



REVISIONS	DATE



**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**

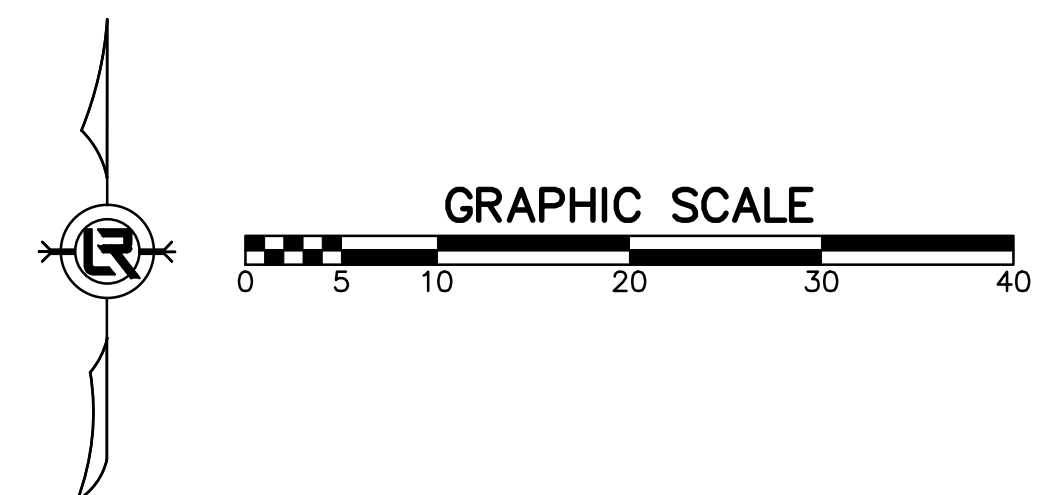
1. BEGIN SITE DEMOLITION, CLEARING AND GRUBBING.
2. CONTINUE GRADING THE SITE.
3. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.

**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.



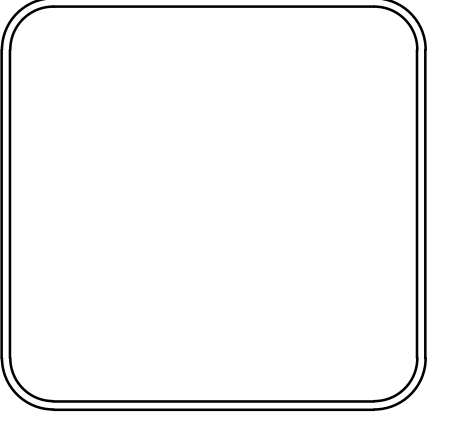
**BEST MANAGEMENT PRACTICES:**

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.



CITY OF LITTLE ROCK, ARKANSAS  
 MLK JR. DRIVE - DRAINAGE IMPROVEMENTS  
 EROSION CONTROL - STA. 5+50 TO END

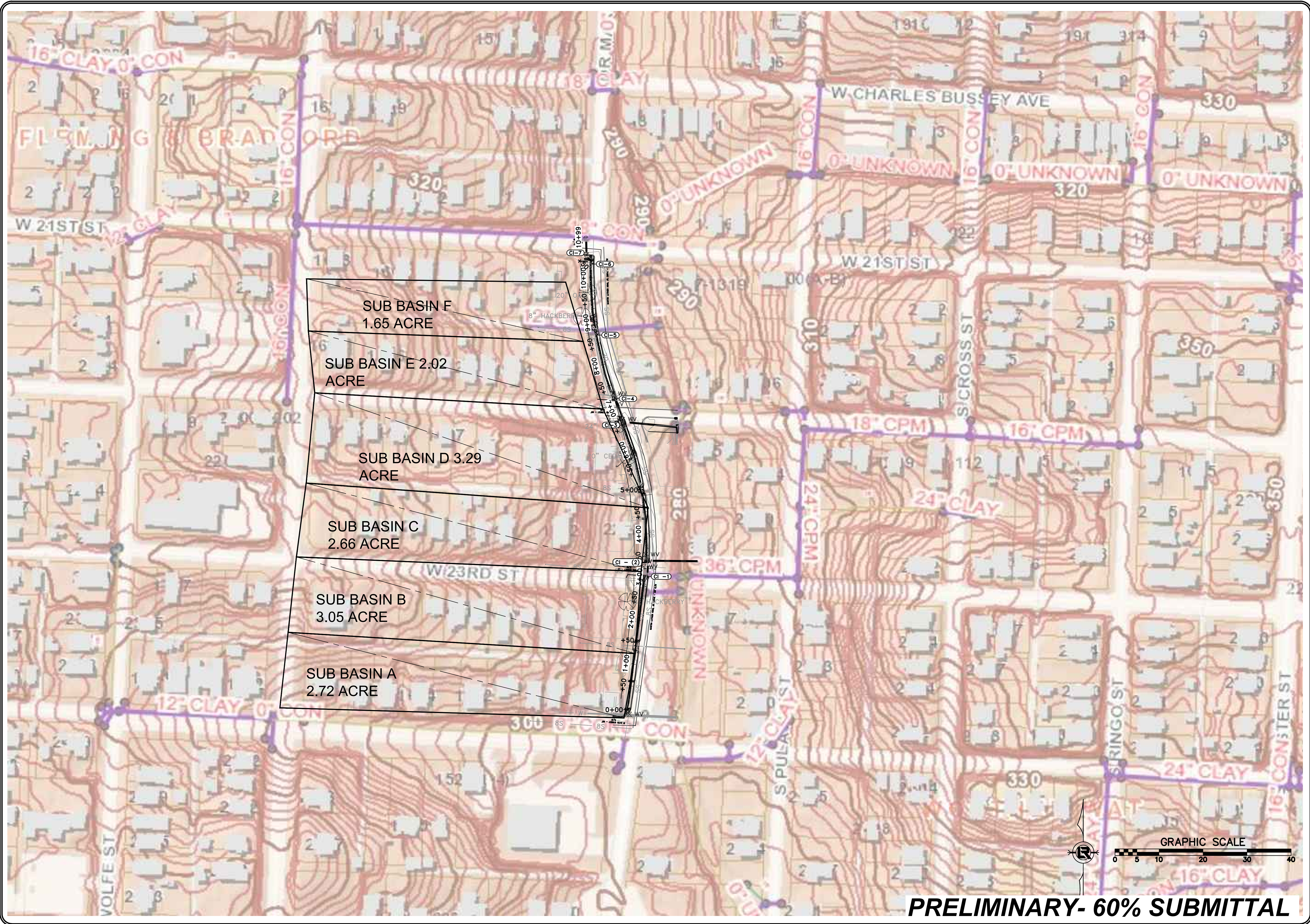
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

DRAWN BY AV
DESIGNED KP
CHECKED JB
DATE 07-09-19
SCALE 1:20
PROJECT NO. 1-17-DR-53
SHEET NO. C11

**PRELIMINARY- 60% SUBMITTAL**





SUB BASIN F  
1.65 ACRE

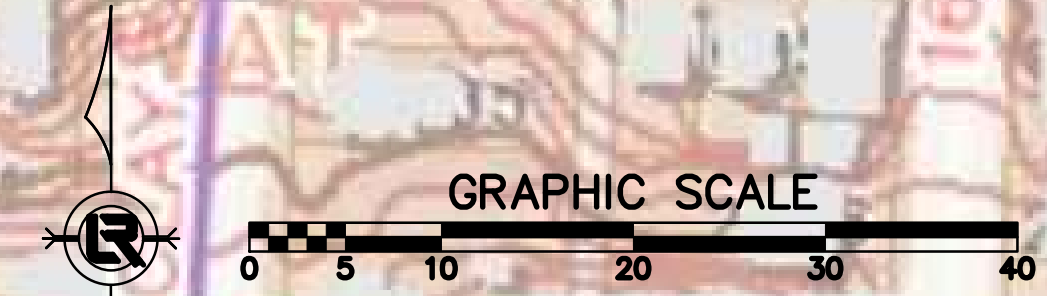
SUB BASIN E 2.02  
ACRE

SUB BASIN D 3.29  
ACRE

SUB BASIN C  
2.66 ACRE

SUB BASIN B  
3.05 ACRE

SUB BASIN A  
2.72 ACRE

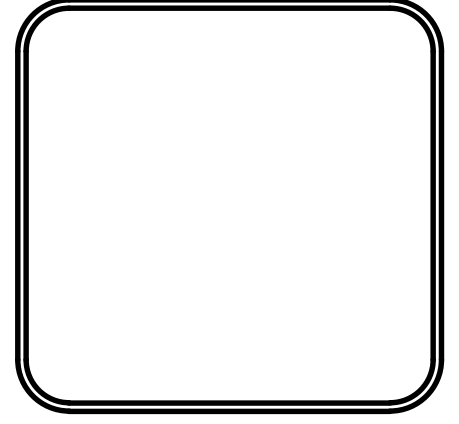


**PRELIMINARY- 60% SUBMITTAL**

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
MLK JR. DRIVE- DRAINAGE IMPROVEMENTS  
DRAINAGE MAP

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



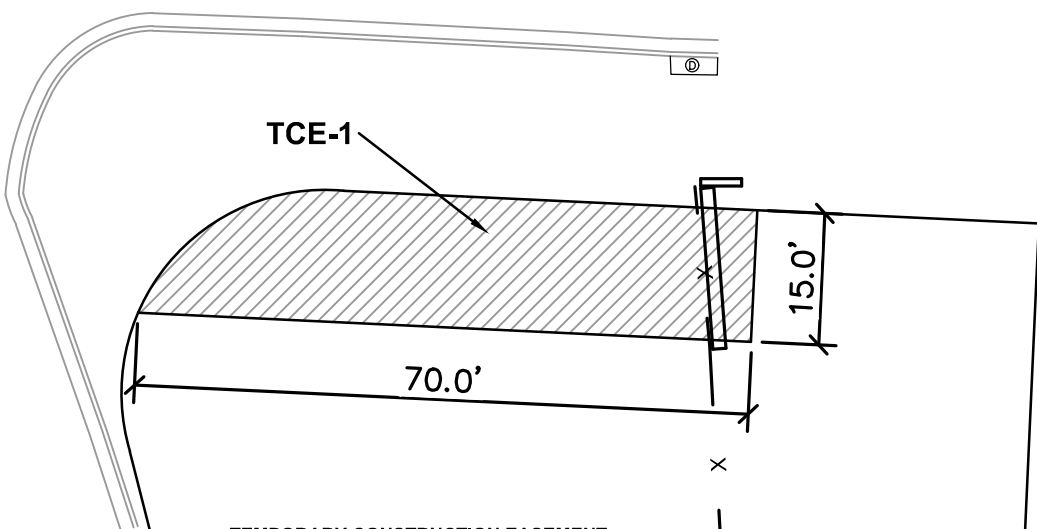
DRAWN BY JB
DESIGNED KP
CHECKED RB
DATE 07.09.19
SCALE 1"=100'
PROJECT NO. 1-17-DR-53
SHEET NO. C12





W 22ND STREET - 60' R/W

MARTIN LUTHER KING, JR. DRIVE - 60' R/W

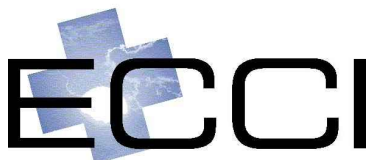


**TEMPORARY CONSTRUCTION EASEMENT**

A part of Lot 3, Block 13, Fleming & Bradford Subdivision being a 70-foot long temporary construction easement that is 15-feet wide running south of, parallel, and adjacent to the Right-of-Way of West 22nd Street, City of Little Rock, Pulaski County, Arkansas.

LOT 3, BLOCK 13  
FLEMING & BRADFORD SUB.

SHEET 1  
DWG NO.  
DATE 06.24.19  
CLR PROJ No. 1-17-DR-53



13000 CANTRELL ROAD  
LITTLE ROCK, ARKANSAS 72223  
PH (501) 975-8100  
WWW.ECCI.COM

TEMPORARY CONSTRUCTION  
EASEMENT  
LOT 3, BLOCK 13  
FLEMING & BRADFORD SUB.