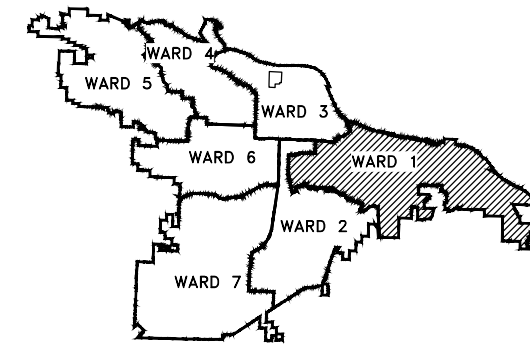


01-15-DR-8 HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS (DENNISON STREET TO HOWARD STREET)



PROJECT LOCATION - WARD 1

REVISIONS	DATE
60% REV	5/23/2019

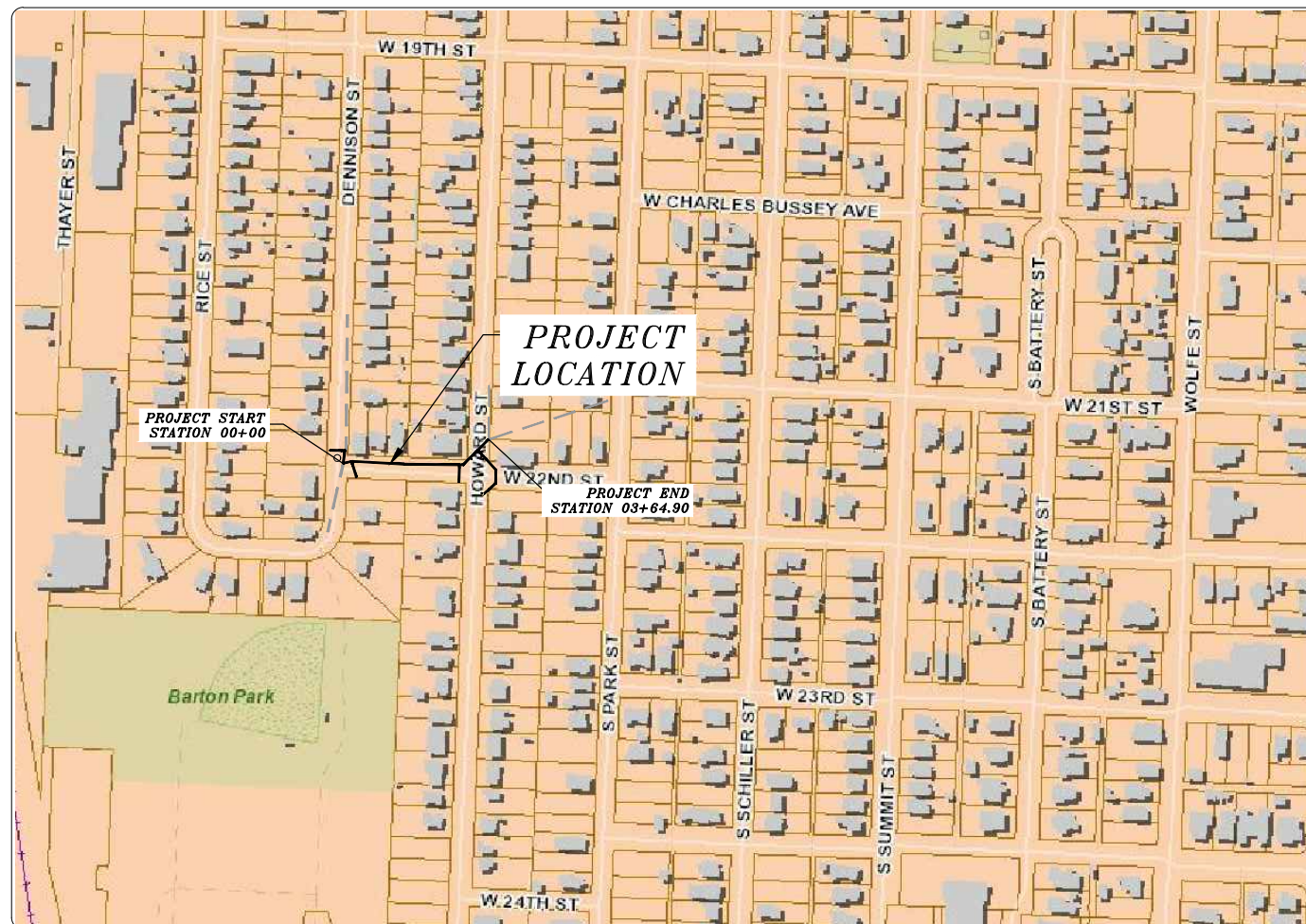
CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
COVER SHEET

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

**60%
REVIEW
SET**

DRAWN BY HCV
DESIGNED HCV
CHECKED AHR
DATE 5/23/2019
SCALE NO SCALE
PROJECT NO. CLR # 01-15-DR-8
SHEET NO. C1

SHEET NO.	TITLE
C1	COVER SHEET
C2	QUANTITIES, GENERAL NOTES, LEGEND
C3	FIELD TIES/LAYOUT SHEET
C4	DRAINAGE PLAN TO BE REMOVED
C5	DRAINAGE PLAN AND PROFILE (1)
C6	DRAINAGE PLAN AND PROFILE (2)
C7	DRIVEWAY/SIDEWALK PLAN
C8	EROSION CONTROL PLAN
C9	MAINTENANCE OF TRAFFIC



**2019-2021
BOND PROGRAM**

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



Harbor
5800 Evergreen Drive
Little Rock, AR 72205
Ph (501) 663-8800
Fax (501) 588-0123
www.harboenv.com

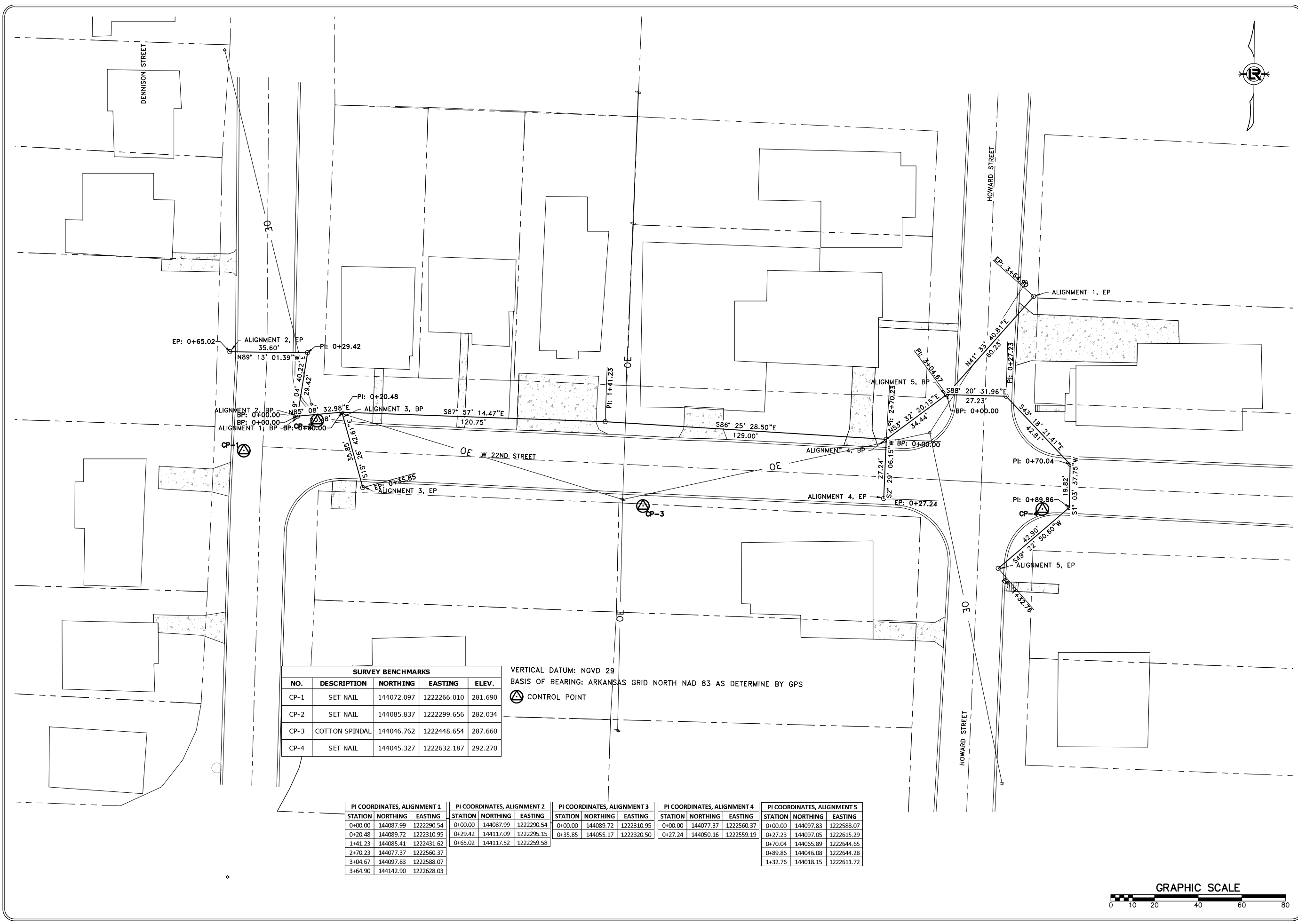
REVISIONS	DATE
60% REV	5/23/2019

CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 PLAN EXISTING (TO BE REMOVED)

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

**60%
 REVIEW
 SET**

DRAWN BY
 HCV
 DESIGNED
 HCV
 CHECKED
 AHR
 DATE
 5/23/2019
 SCALE
 1" = 20'
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
C3

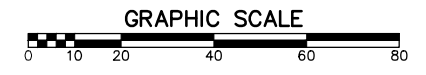


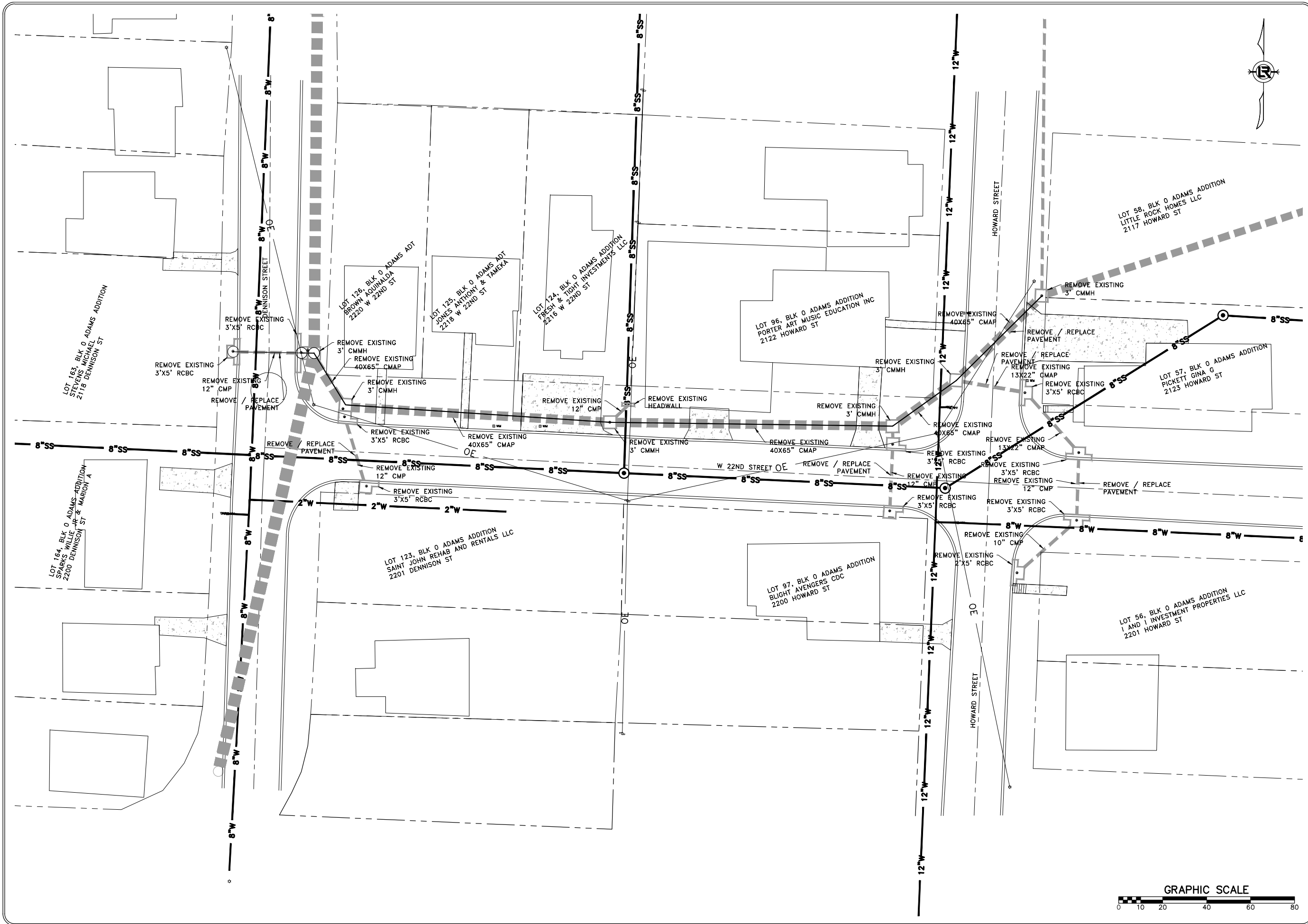
SURVEY BENCHMARKS

NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
CP-1	SET NAIL	144072.097	1222266.010	281.690
CP-2	SET NAIL	144085.837	1222299.656	282.034
CP-3	COTTON SPINDAL	144046.762	1222448.654	287.660
CP-4	SET NAIL	144045.327	1222632.187	292.270

VERTICAL DATUM: NGVD 29
 BASIS OF BEARING: ARKANSAS GRID NORTH NAD 83 AS DETERMINE BY GPS
 CONTROL POINT

PI COORDINATES, ALIGNMENT 1				PI COORDINATES, ALIGNMENT 2				PI COORDINATES, ALIGNMENT 3				PI COORDINATES, ALIGNMENT 4				PI COORDINATES, ALIGNMENT 5			
STATION	NORTHING	EASTING		STATION	NORTHING	EASTING		STATION	NORTHING	EASTING		STATION	NORTHING	EASTING		STATION	NORTHING	EASTING	
0+00.00	144087.99	1222290.54		0+00.00	144087.99	1222290.54		0+00.00	144089.72	1222310.95		0+00.00	144077.37	1222560.37		0+00.00	144097.83	1222588.07	
0+20.48	144089.72	1222310.95		0+29.42	144117.09	1222295.15		0+35.85	144055.17	1222320.50		0+27.24	144050.16	1222559.19		0+27.23	144097.05	1222615.29	
1+41.23	144085.41	1222431.62		0+65.02	144117.52	1222259.58						0+70.04	144065.89	1222644.65		0+70.04	144065.89	1222644.65	
2+70.23	144077.37	1222560.37										0+89.86	144046.08	1222644.28		0+89.86	144046.08	1222644.28	
3+04.67	144097.83	1222588.07										1+32.76	144018.15	1222611.72		1+32.76	144018.15	1222611.72	
3+64.90	144142.90	1222628.03																	





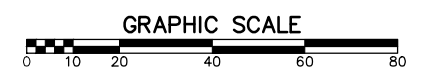
REVISIONS	DATE
60% REV	5/23/2019

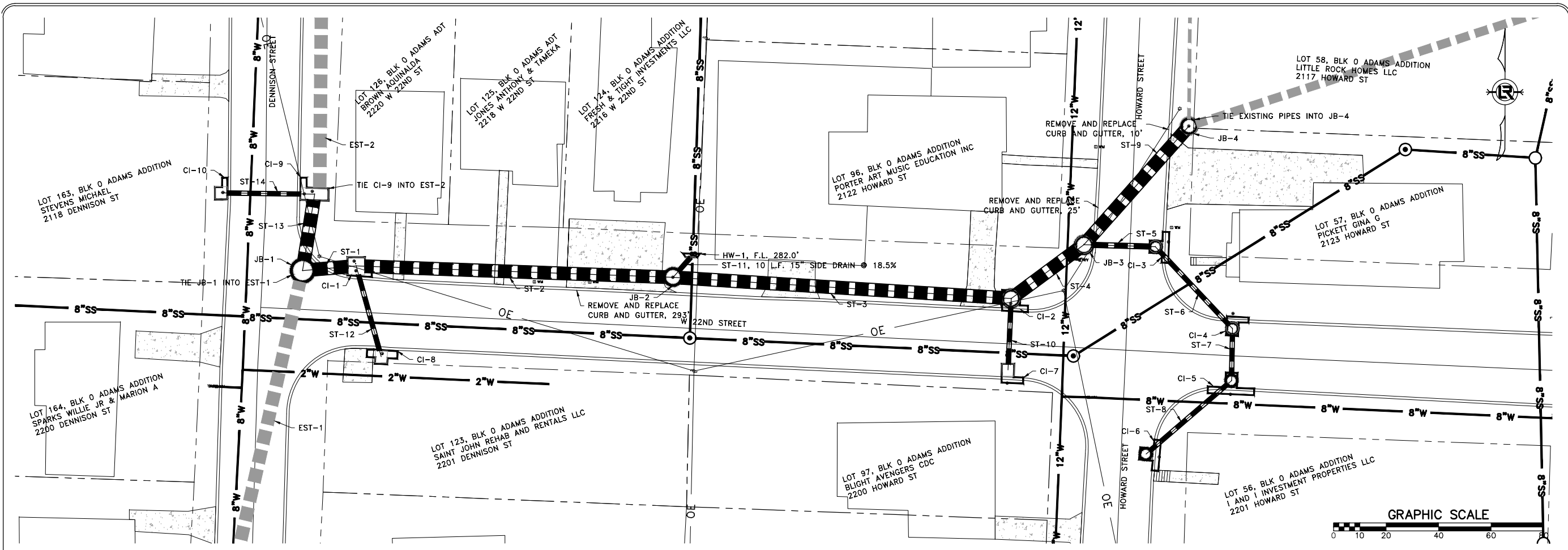
CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 PLAN EXISTING (TO BE REMOVED)

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

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 HCV
 CHECKED
 AHR
 DATE
 5/23/2019
 SCALE
 1" = 20'
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
C4





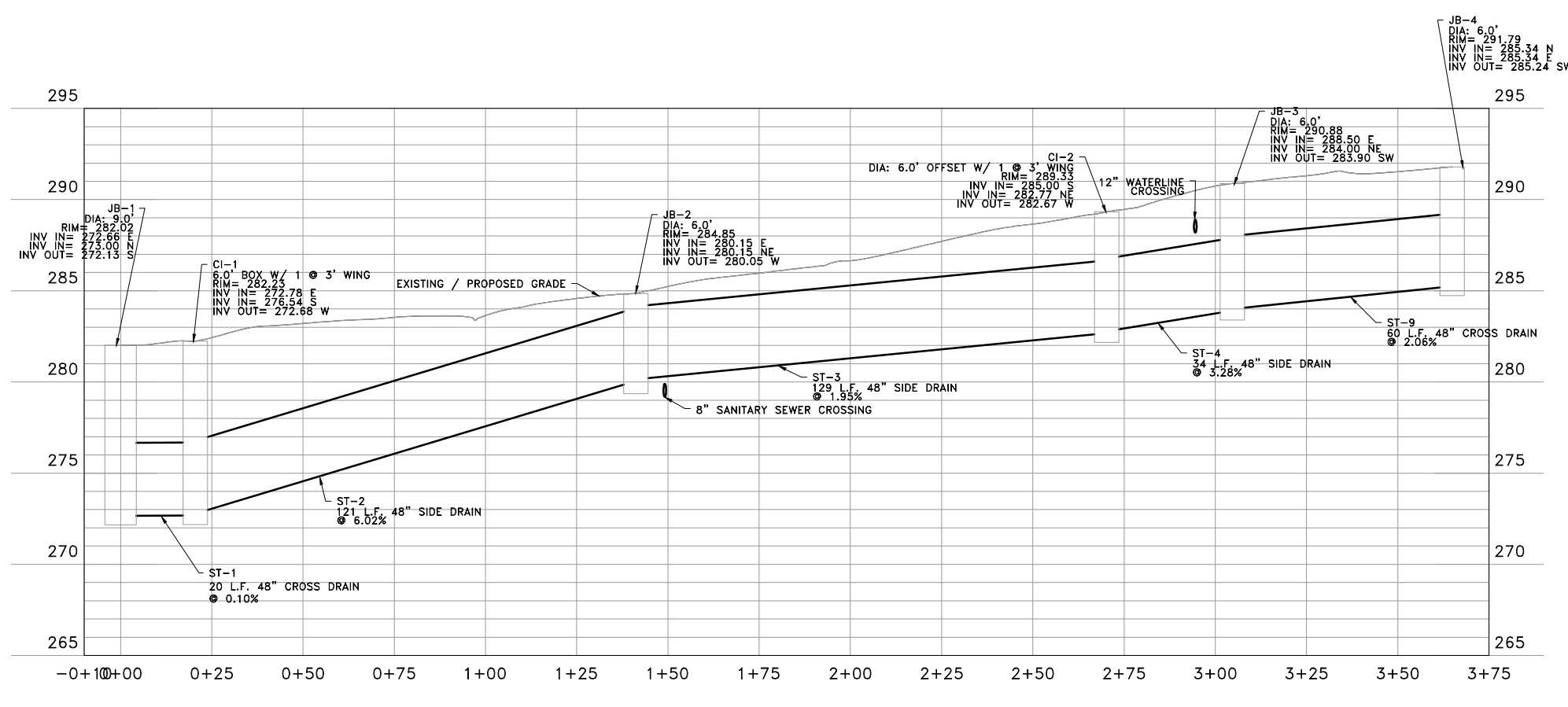
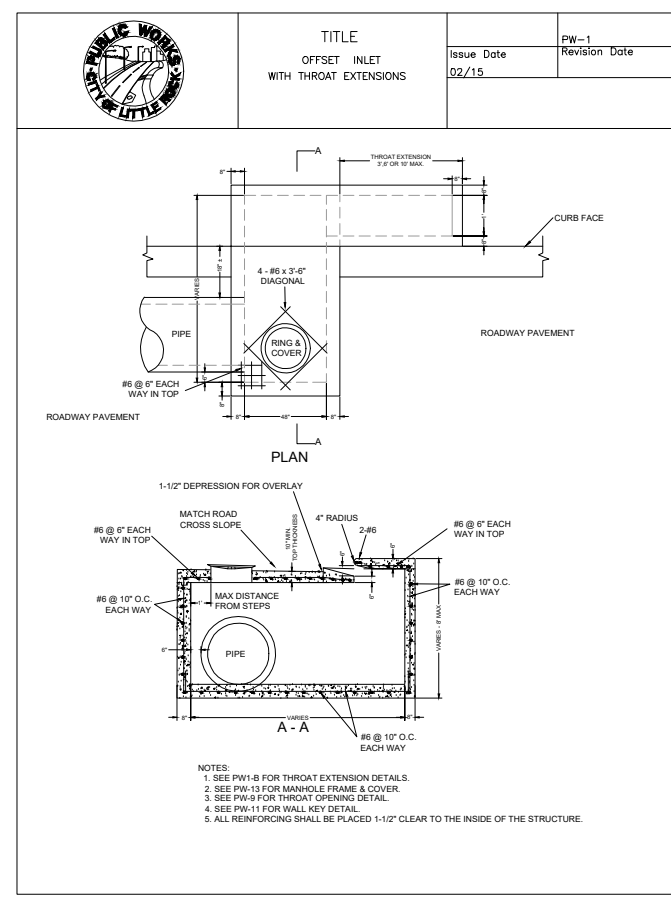
REVISIONS	DATE
60% REV	5/23/2019

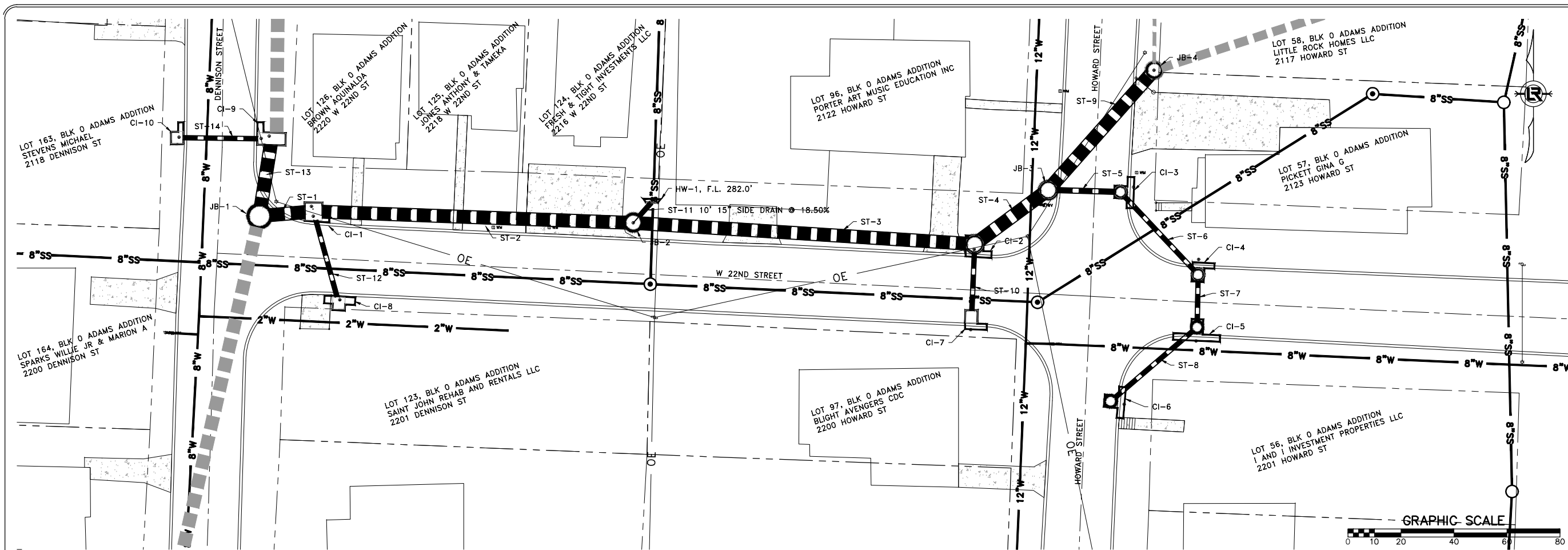
CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 DRAINAGE PLAN & PROFILE

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

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 REVIEW
 SET**

DRAWN BY
 HCV
 DESIGNED
 HCV
 CHECKED
 AHR
 DATE
 5/23/2019
 SCALE
 H:1"=20', V:1"=5'
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
C5





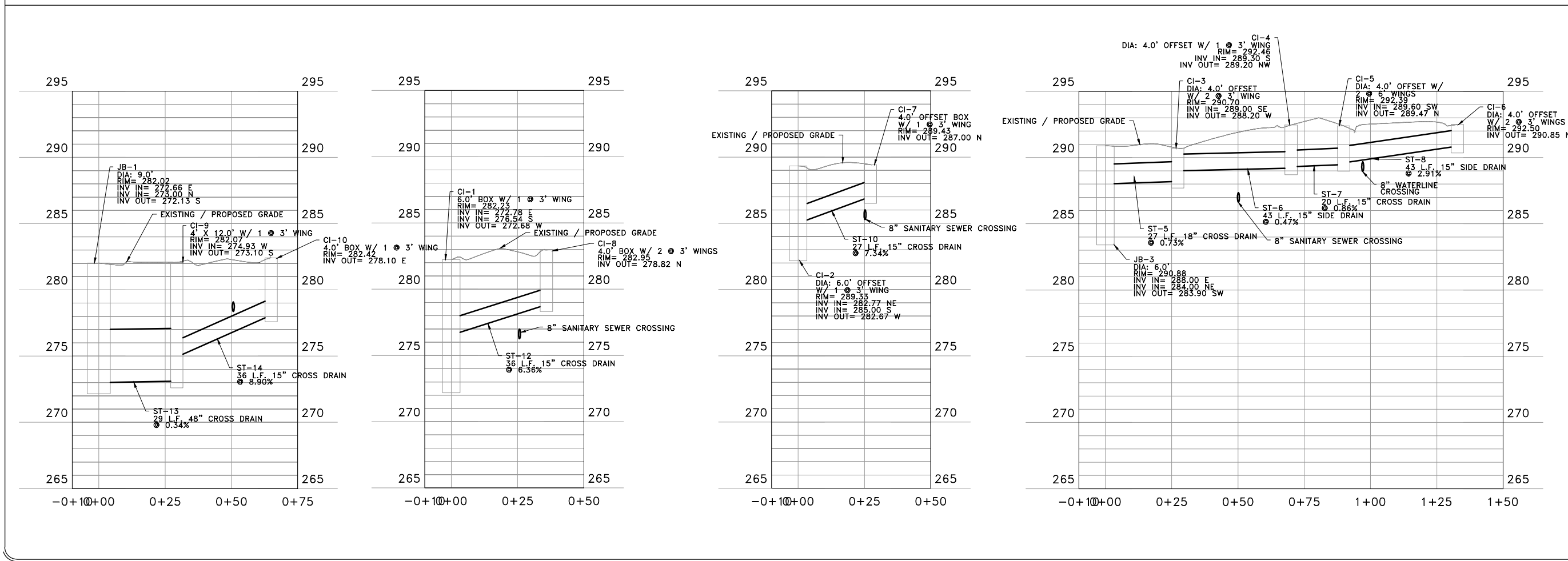
REVISIONS	DATE
60% REV	5/23/2019

CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 DRAINAGE PLAN & PROFILE

DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
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**60%
 REVIEW
 SET**

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 HCV
 DESIGNED
 HCV
 CHECKED
 AHR
 DATE
 5/23/2019
 SCALE
 H:1"=20', V:1"=5'
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
C6



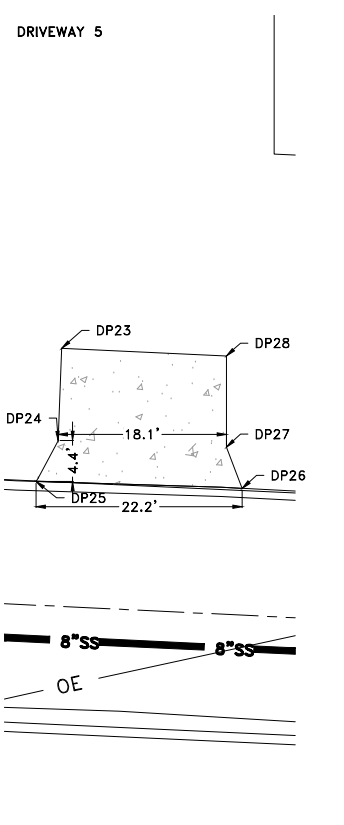
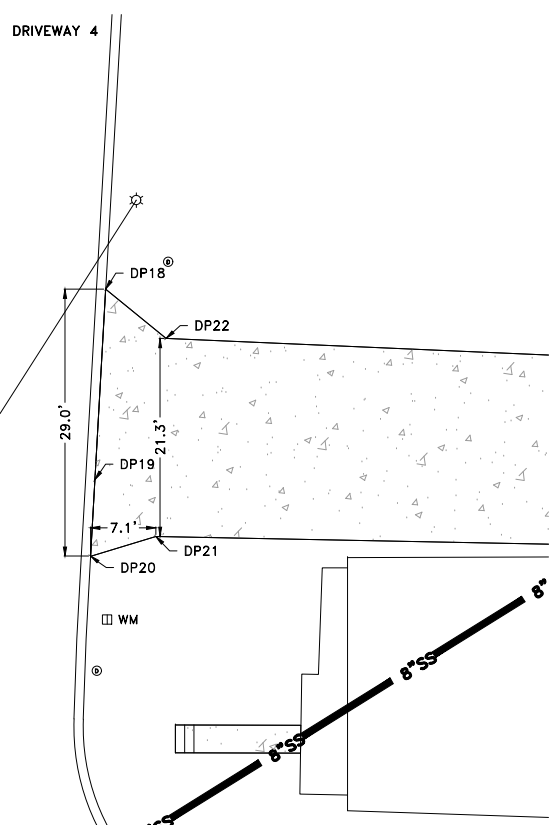
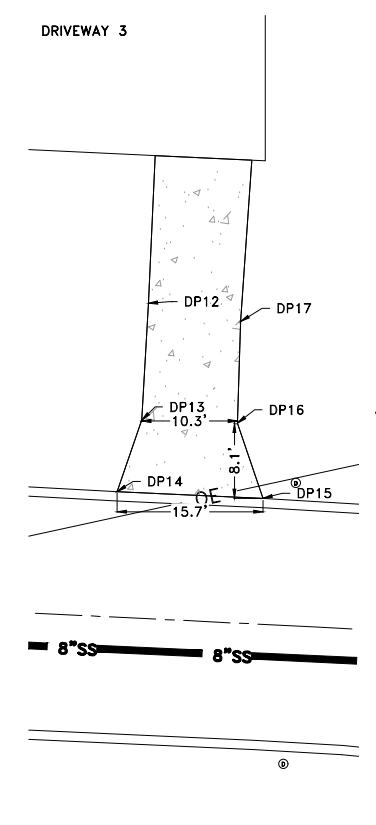
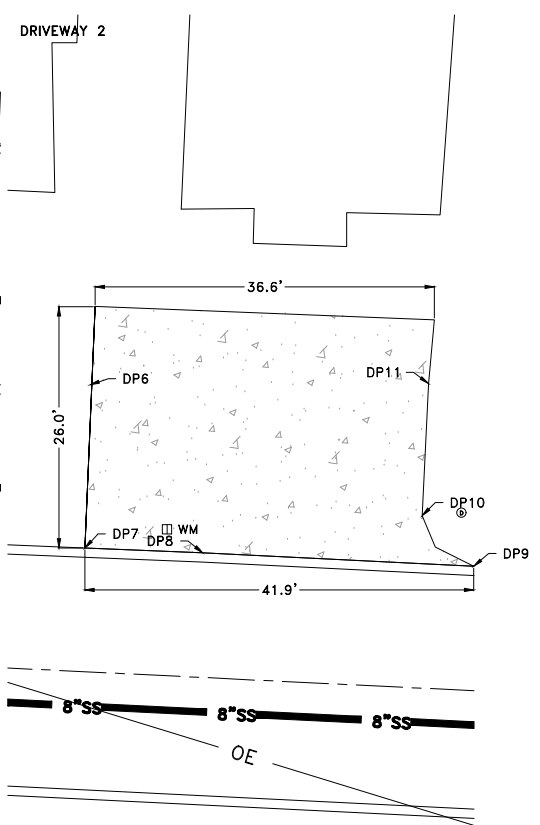
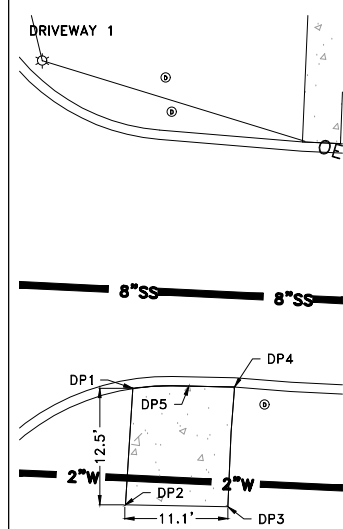
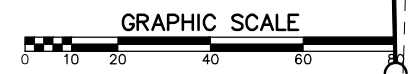
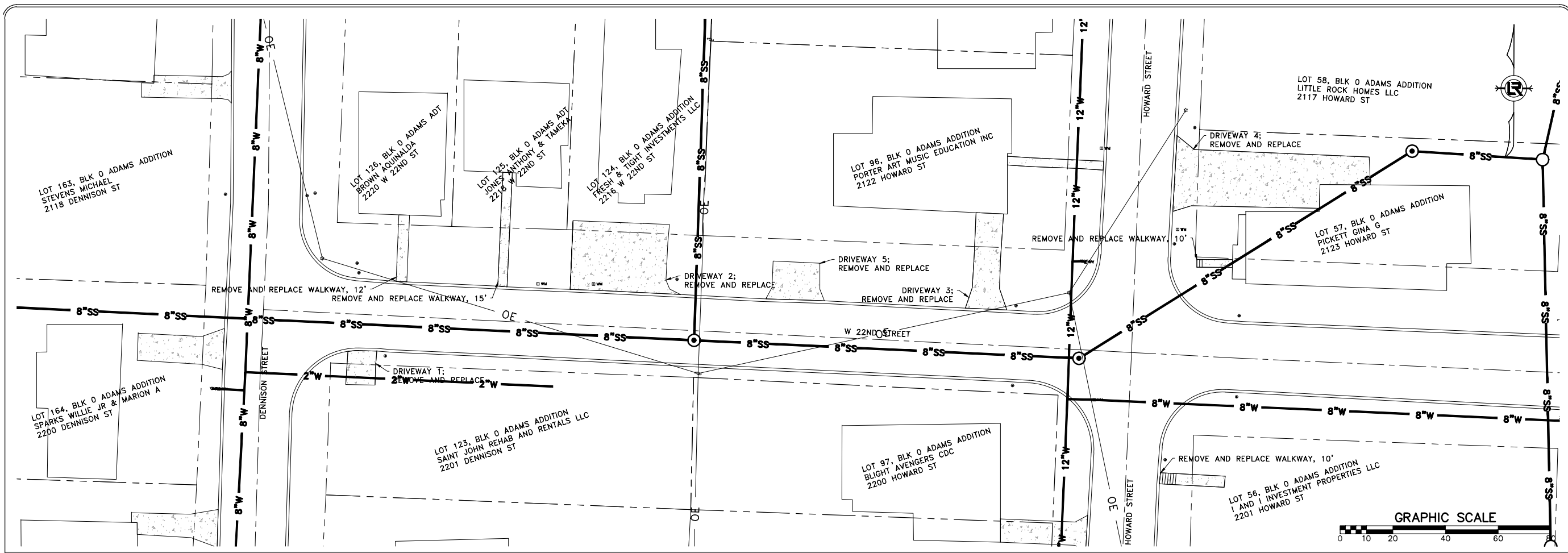
REVISIONS	DATE
60% REV	5/23/2019

CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 DRIVEWAYS AND WALKWAYS TO BE REPAIRED

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

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 SCALE
 NOTED
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
C7



SCALE
 1" = 10'

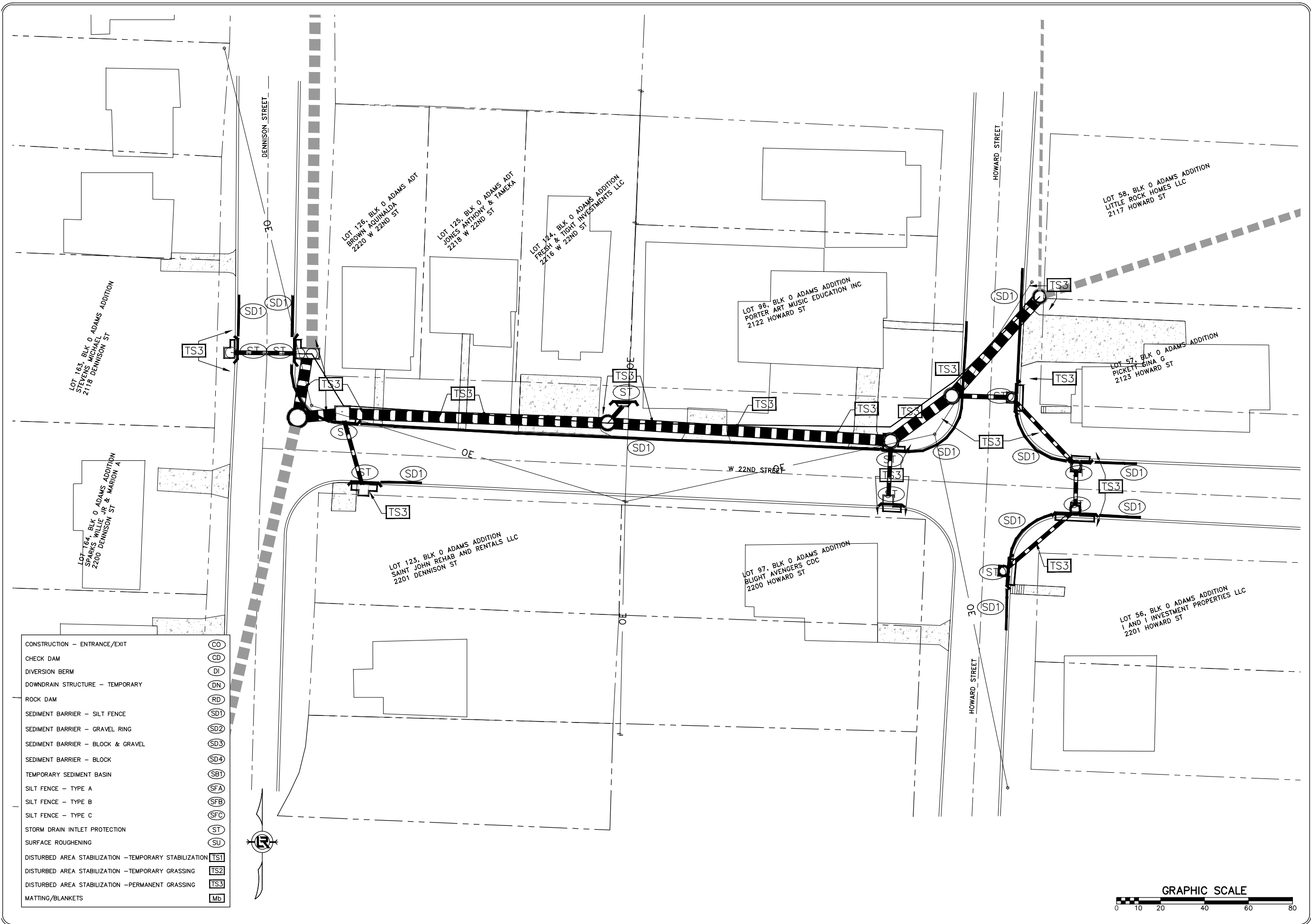
SCALE
 1" = 10'

SCALE
 1" = 10'

SCALE
 1" = 10'

SCALE
 1" = 10'

DRIVEWAY EDGE & ELEVATION				
DP NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	EDGE OF DW	144058.09	1222306.69	282.96
2	EDGE OF DW	144045.55	1222305.90	283.15
3	EDGE OF DW	144045.35	1222316.95	283.15
4	EDGE OF DW	144058.26	1222317.64	282.96
5	EDGE OF DW	144058.34	1222312.84	282.84
6	EDGE OF DW	144099.35	1222391.80	284.60
7	EDGE OF DW	144081.62	1222391.00	283.86
8	EDGE OF DW	144081.12	1222403.70	284.16
9	EDGE OF DW	144079.67	1222432.92	284.81
10	EDGE OF DW	144085.12	1222427.35	284.80
11	EDGE OF DW	144099.36	1222428.04	285.53
12	EDGE OF DW	144094.83	1222544.31	289.19
13	EDGE OF DW	144082.22	1222543.59	288.85
14	EDGE OF DW	144074.53	1222540.92	288.55
15	EDGE OF DW	144073.79	1222556.67	289.30
16	EDGE OF DW	144081.90	1222553.91	289.12
17	EDGE OF DW	144092.88	1222554.24	289.41
18	EDGE OF DW	144134.25	1222623.05	291.13
19	EDGE OF DW	144119.42	1222620.11	291.31
20	EDGE OF DW	144111.20	1222619.64	291.19
21	EDGE OF DW	144113.33	1222626.69	291.52
22	EDGE OF DW	144131.20	1222628.26	291.13
23	EDGE OF DW	144092.37	1222468.01	286.47
24	EDGE OF DW	144082.40	1222467.61	285.71
25	EDGE OF DW	144078.38	1222465.49	285.51
26	EDGE OF DW	144077.26	1222487.46	286.08
27	EDGE OF DW	144081.70	1222485.73	286.15
28	EDGE OF DW	144091.53	1222485.76	286.90



REVISIONS	DATE
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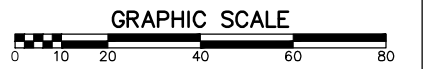
CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 EROSION CONTROL PLAN

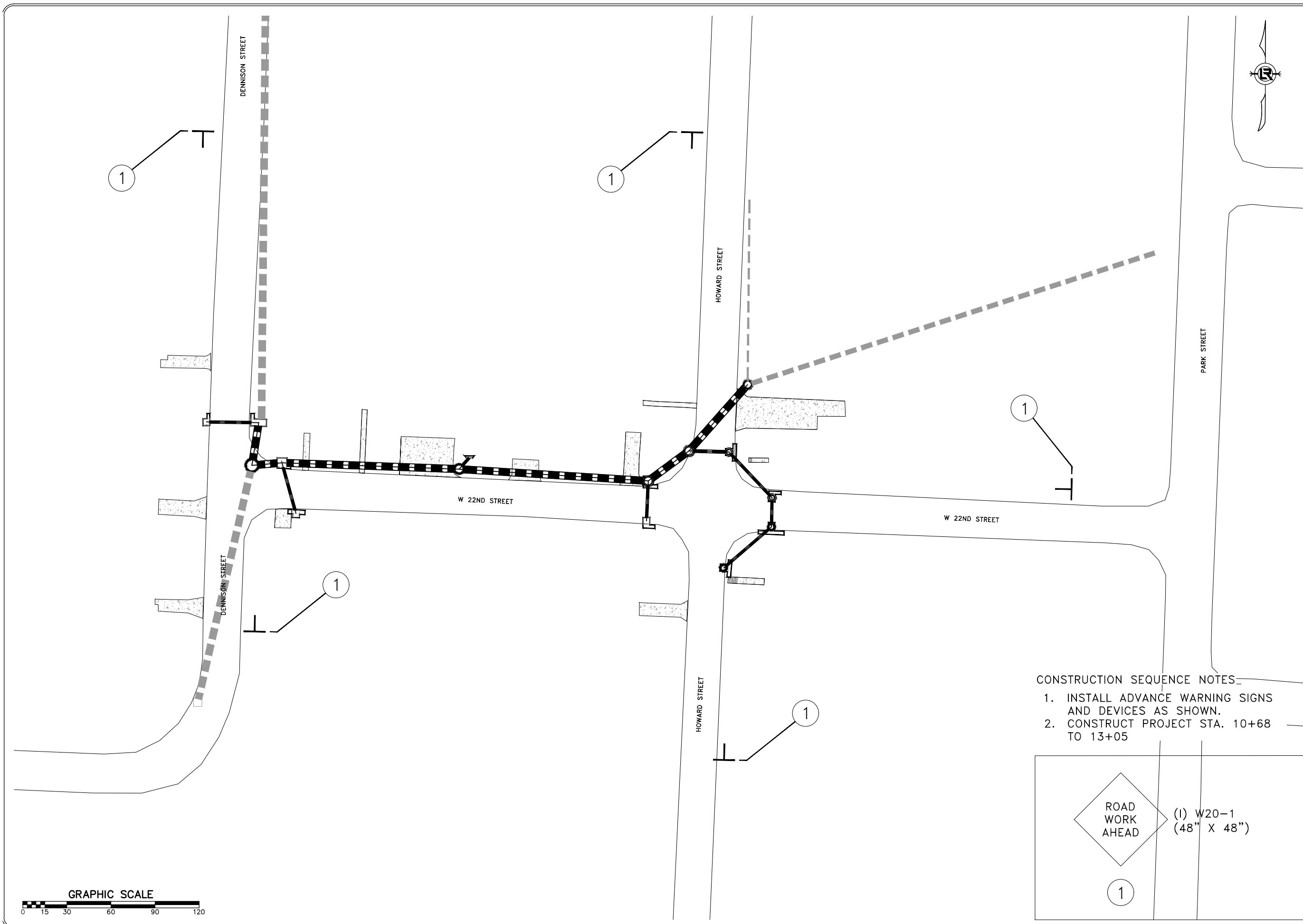
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



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 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
 C8





REVISIONS	DATE
60% REV	5/23/2019

CITY OF LITTLE ROCK, ARKANSAS
HOWARD & 22ND STREET DRAINAGE IMPROVEMENTS
 MAINTENANCE OF TRAFFIC

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



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 HCV
 CHECKED
 AHR
 DATE
 5/23/2019
 SCALE
 1" = 30'
 PROJECT NO.
 CLR # 01-15-DR-8
 SHEET NO.
 C9

- CONSTRUCTION SEQUENCE NOTES
1. INSTALL ADVANCE WARNING SIGNS AND DEVICES AS SHOWN.
 2. CONSTRUCT PROJECT STA. 10+68 TO 13+05

