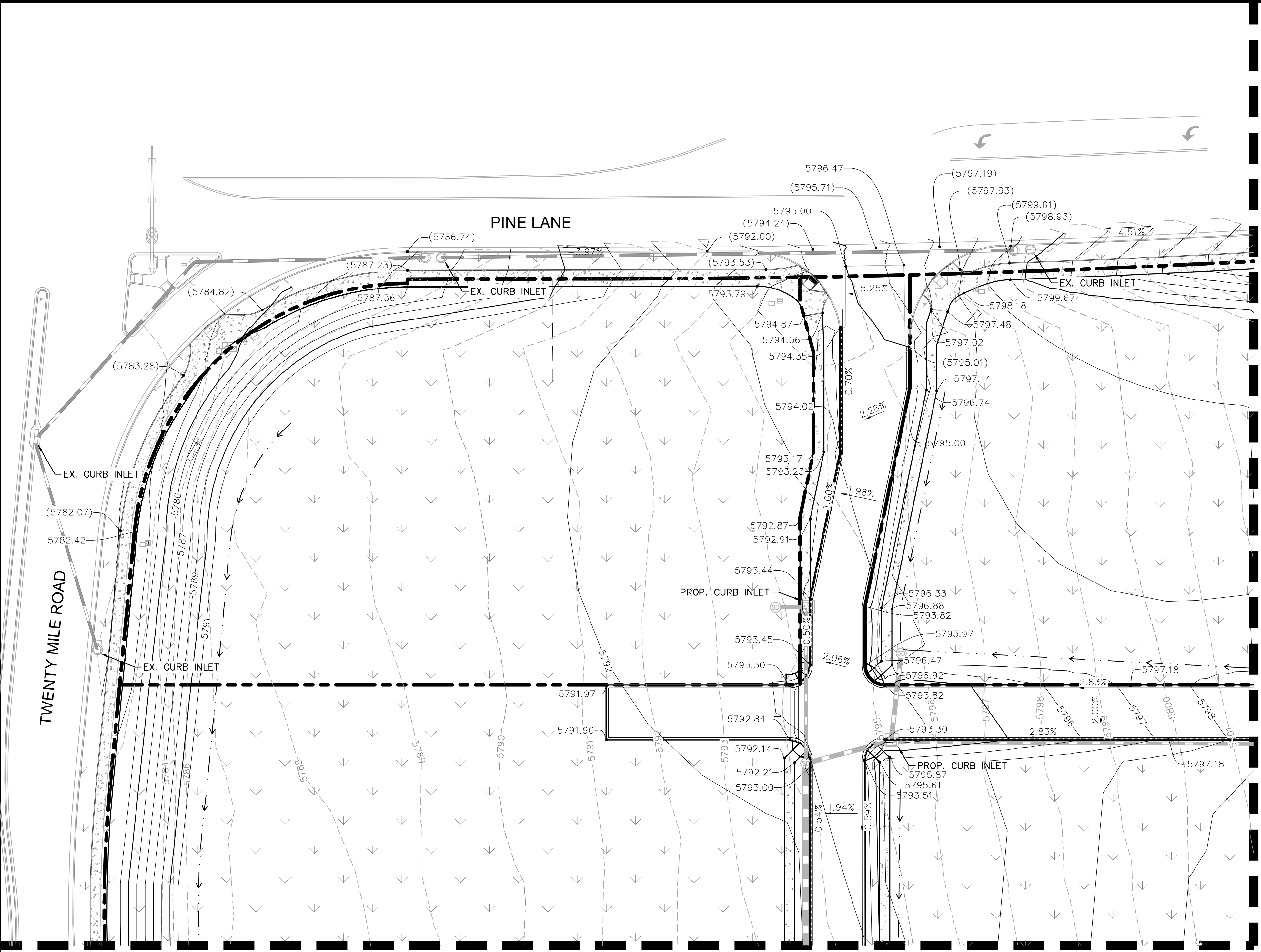
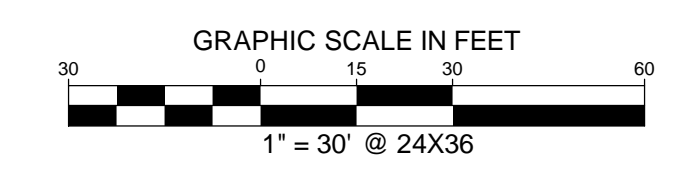


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SEE SHEET C5.3 FOR CONTINUATION

SEE SHEET C5.2 FOR CONTINUATION



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- 1.00% PROPOSED FLOW ARROW WITH SLOPE
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- TP TOP OF PAVEMENT
- TS TOP OF SLAB (DUMPSTER PAD)
- SW TOP OF SIDEWALK
- ME MATCH EXISTING ELEVATION
- PROPOSED VALLEY
- PROPOSED RIDGE
- CATCH CURB
- PROPOSED DIVERSION DITCH

BENCHMARK

DOUGLAS CONTROL MONUMENT #1.095035, A 3 1/4" ALUMINUM CAP.
 ELEVATION = 5906.34 FEET (NAVD 1988), AS PUBLISHED BY DOUGLAS COUNTY.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____

NO.	REVISION	BY	DATE	APPR

Kimley»Horn

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 4582 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

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 DETAILED GRADING PLAN

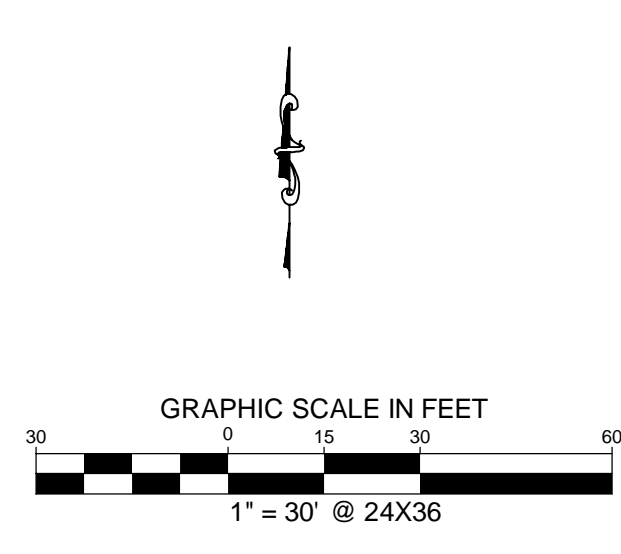
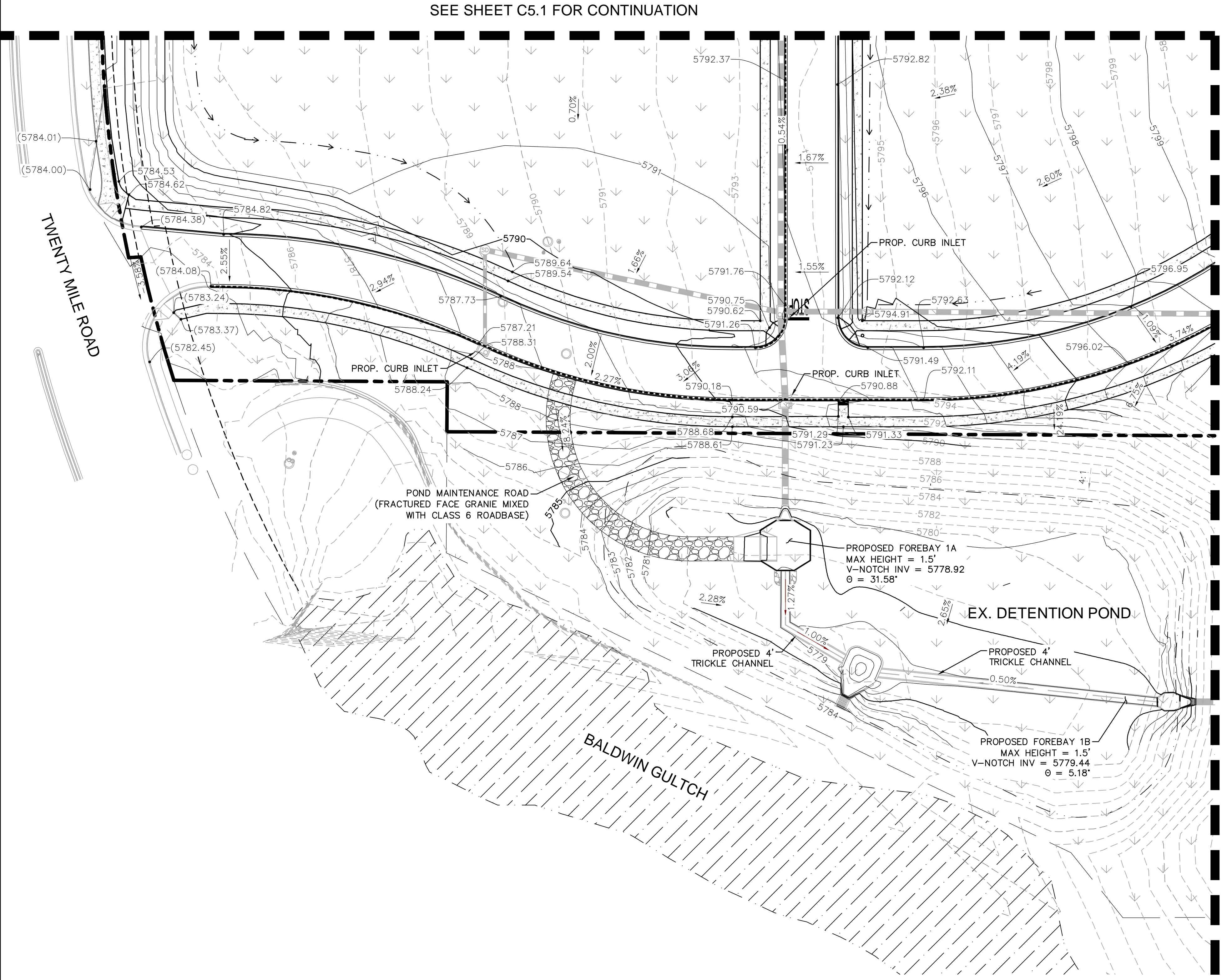
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LEGEND

	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED FLOW ARROW WITH SLOPE
	PROPOSED SPOT ELEVATION
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	TP TOP OF PAVEMENT
	TS TOP OF SLAB (DUMPSTER PAD)
	SW TOP OF SIDEWALK
	MATCH EXISTING ELEVATION
	PROPOSED VALLEY
	PROPOSED RIDGE
	CATCH CURB
	PROPOSED DIVERSION DITCH

BENCHMARK

DOUGLAS CONTROL MONUMENT #1.095035, A 3 1/4" ALUMINUM CAP.

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____



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 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 4582 South Ulster Street, Suite 1500,
 Denver, Colorado 80237 (303) 228-2300

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 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

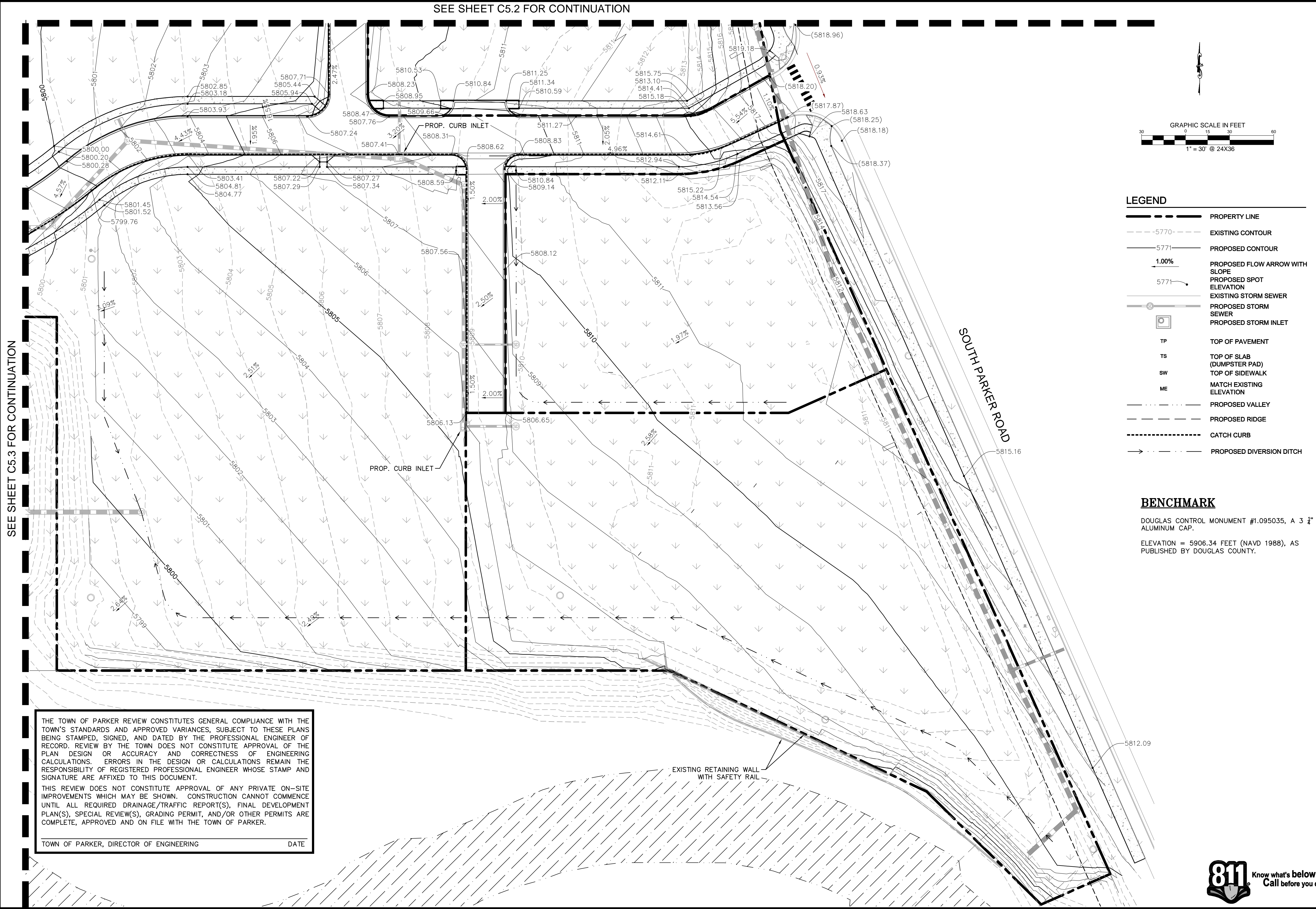
PARKER AND PINE FILING 1
 PARKER, CO
 CONSTRUCTION DOCUMENTS
 DETAILED GRADING PLAN

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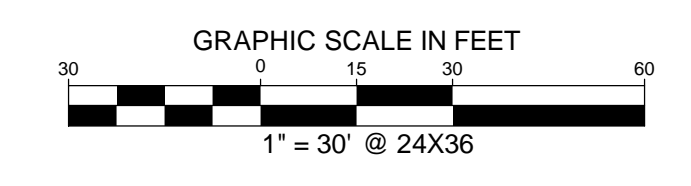
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SEE SHEET C5.2 FOR CONTINUATION

SEE SHEET C5.3 FOR CONTINUATION



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED FLOW ARROW WITH SLOPE
- PROPOSED SPOT ELEVATION
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- TP TOP OF PAVEMENT
- TS TOP OF SLAB (DUMPSTER PAD)
- SW TOP OF SIDEWALK
- ME MATCH EXISTING ELEVATION
- PROPOSED VALLEY
- PROPOSED RIDGE
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BENCHMARK

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____

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 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
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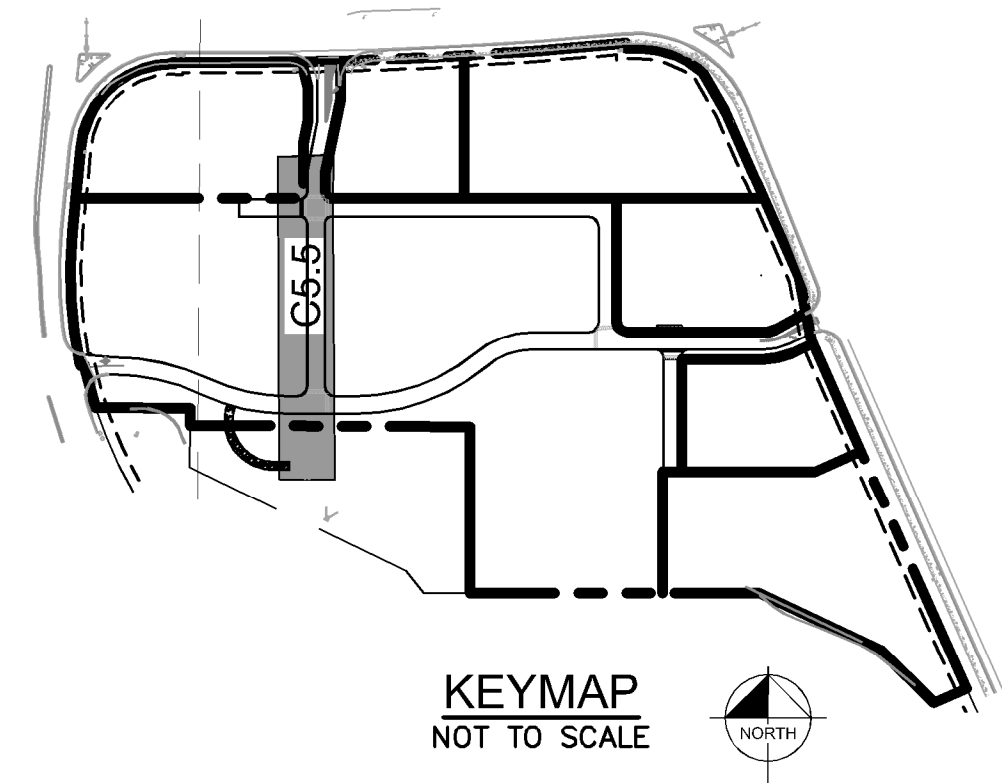
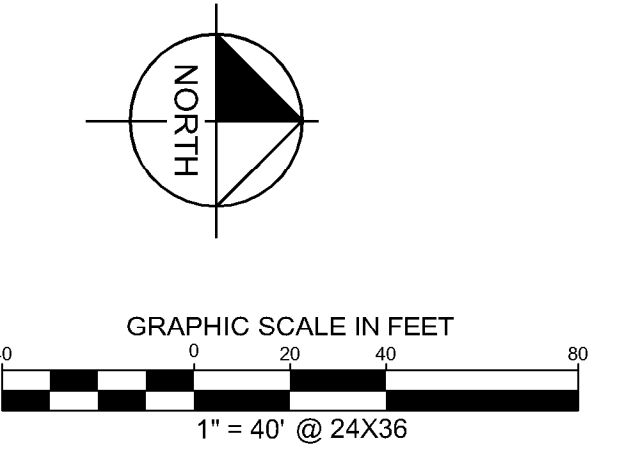
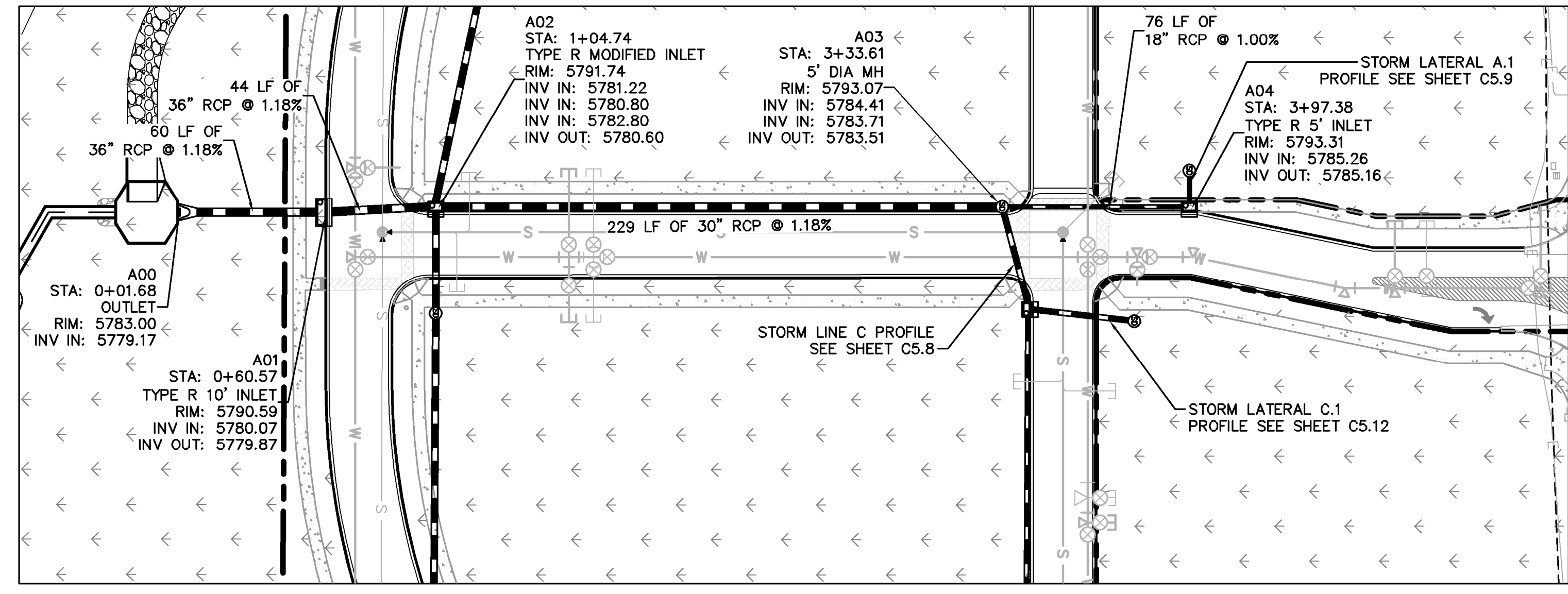
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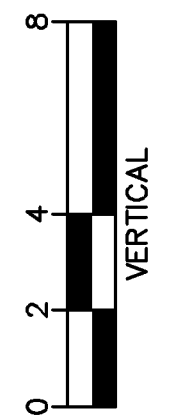
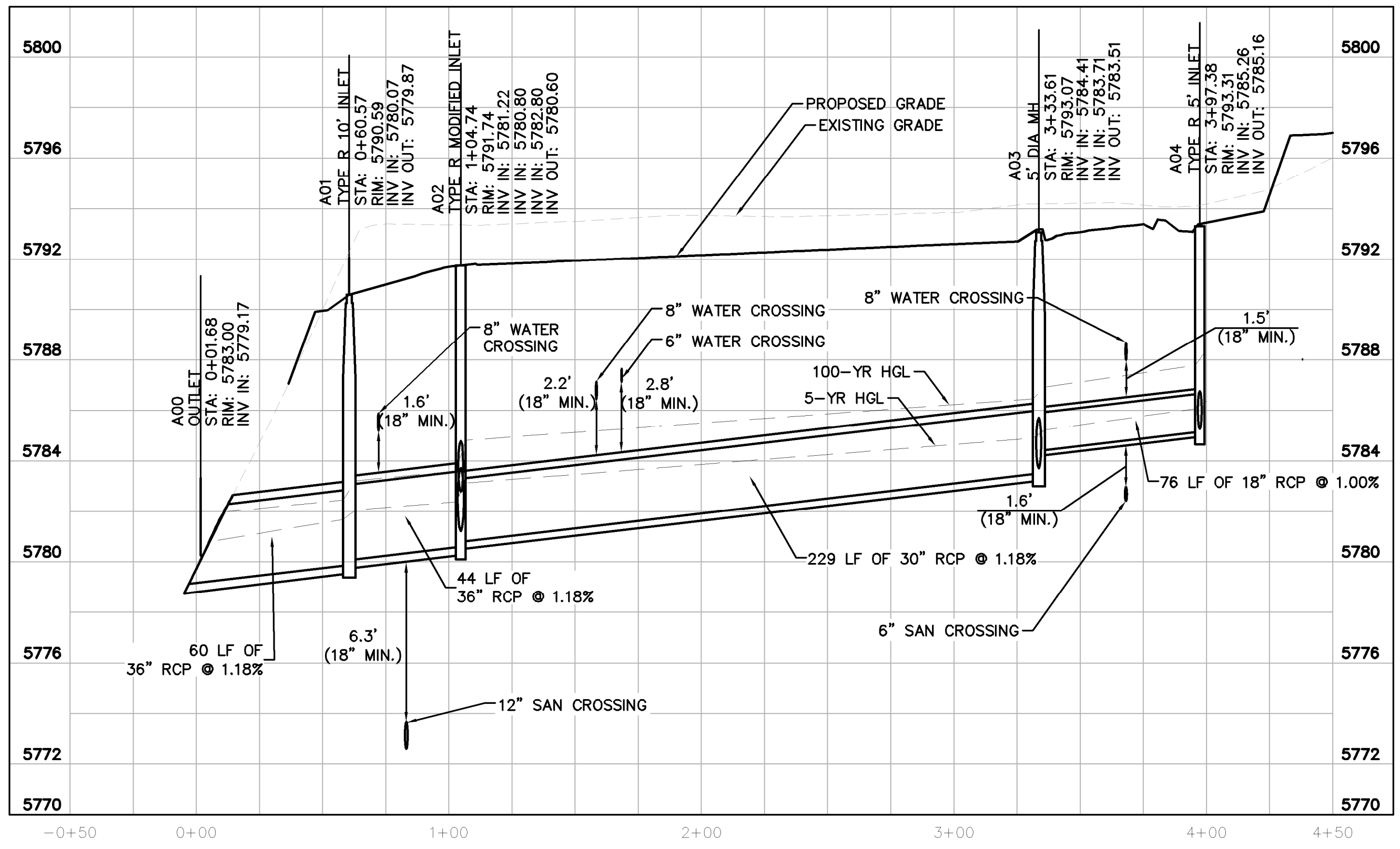


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- LEGEND**
- PROPERTY LINE
 - PROPOSED STORM SEWER
 - PROPOSED STORM INLET
 - PROPOSED STORM MANHOLE

STRUCTURE TABLE		
STRUCTURE NAME:	DESCRIPTION:	LOCATION:
A00	OUTLET	N: 11940.6071 E: 50137.5692
A01	TYPE R 10" INLET	N: 12000.1427 E: 50137.5726
A02	TYPE R MODIFIED INLET	N: 12044.3094 E: 50137.5726
A03	5" DIA MH	N: 12273.1682 E: 50135.4060
A04	TYPE R 5" INLET	N: 12348.8235 E: 50137.5726
A05	5" DIA MH	N: 12348.8235 E: 50120.7393
B00	TYPE R 10" INLET	N: 12026.9293 E: 49987.6006
B01	5" DIA MH	N: 12075.0969 E: 49987.5740
B02	5" DIA MH WITH GRATE LID	N: 12044.1939 E: 50178.4126
B03	TYPE R 5" INLET	N: 12046.5109 E: 50366.5611
B04	5" DIA MH	N: 12102.1929 E: 50421.7791
B05	TYPE R 5" INLET	N: 12092.1007 E: 50606.3725
B05.1	5" DIA MH WITH GRATE LID	N: 12133.6552 E: 50606.5543
B06	5" DIA MH	N: 12071.7851 E: 50650.2930
B07	5" DIA MH	N: 11963.3147 E: 50650.2930
B07.1	5" DIA MH WITH GRATE LID	N: 11963.3062 E: 50685.9988
B08	TYPE R 10" INLET	N: 11907.6200 E: 50652.4644
B08.1	5" DIA MH WITH GRATE LID	N: 11907.6120 E: 50685.9988
C00	TYPE R 5" INLET	N: 12284.8966 E: 50176.9060
C00.1	5" DIA MH WITH GRATE LID	N: 12326.5470 E: 50181.6014
C01	TYPE R 5" MANHOLE	N: 12284.2299 E: 50375.1453
C01.1	5" DIA MH WITH GRATE LID	N: 12328.8687 E: 50374.9646
D00	OUTLET	N: 11849.1557 E: 50334.9577
D01	5" DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



STORM LINE A PROFILE [STA 0+00 TO 4+50]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'

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 Denver, Colorado 80237 (303) 228-2300

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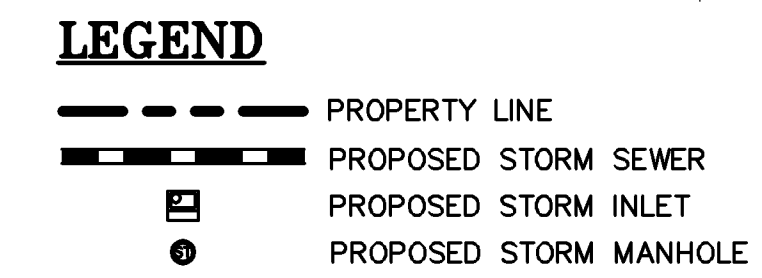
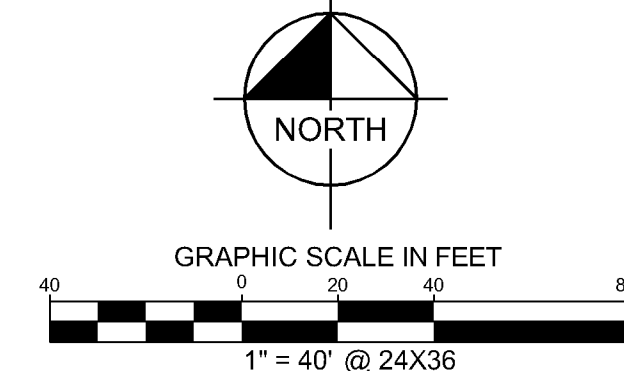
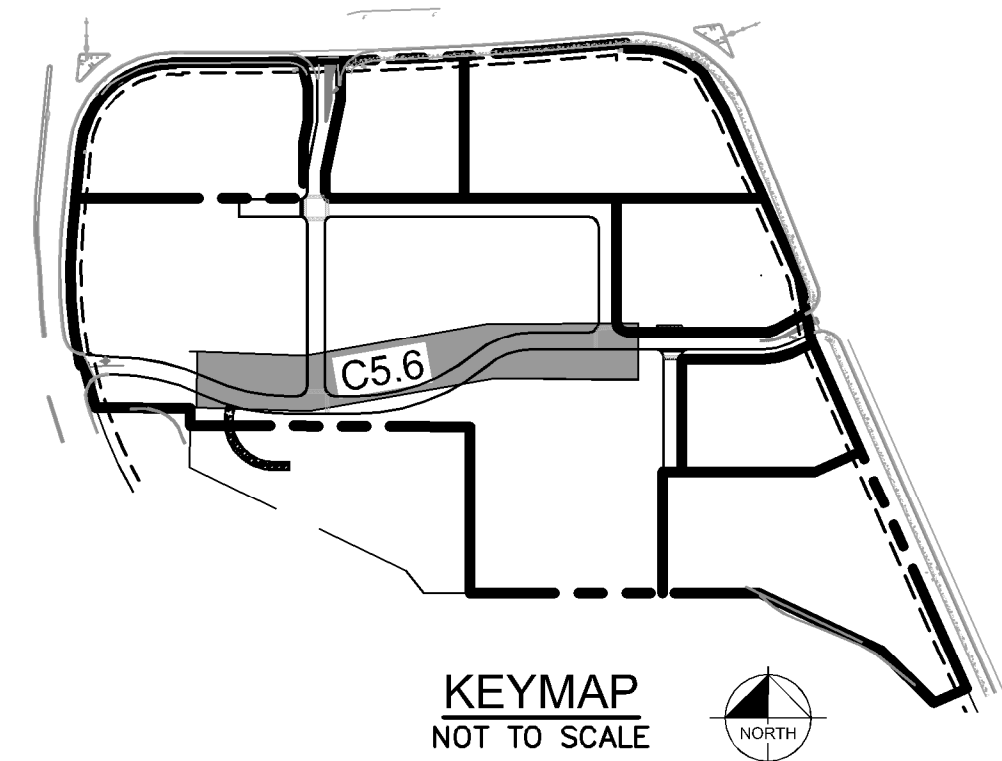
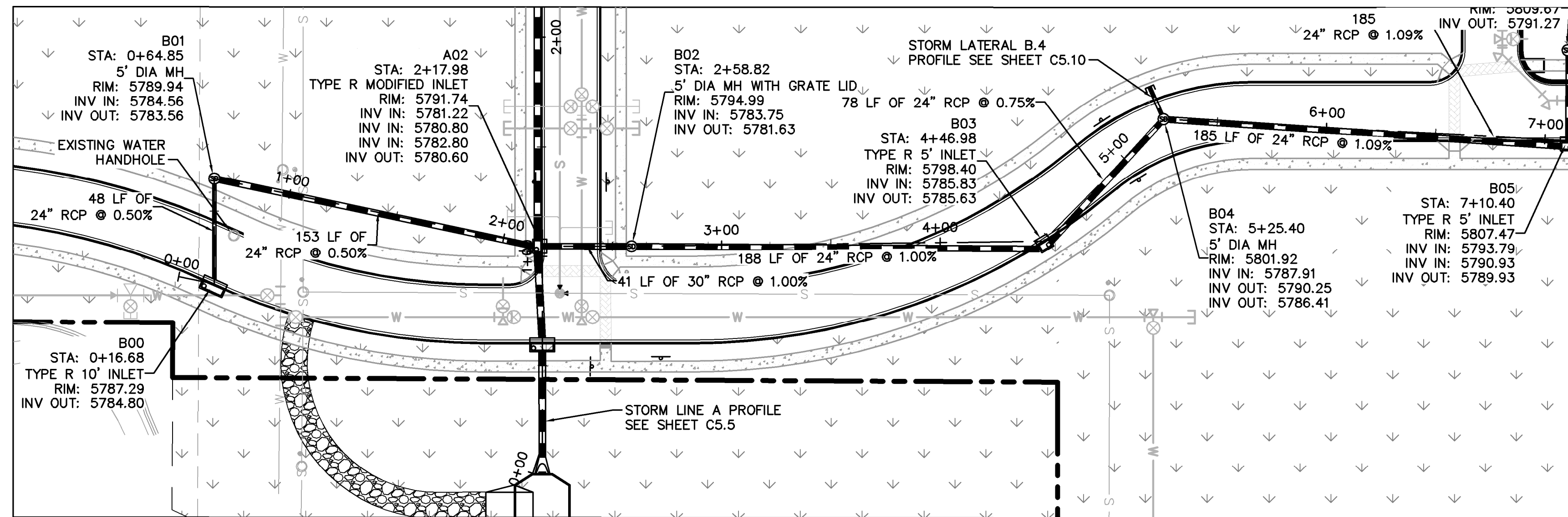
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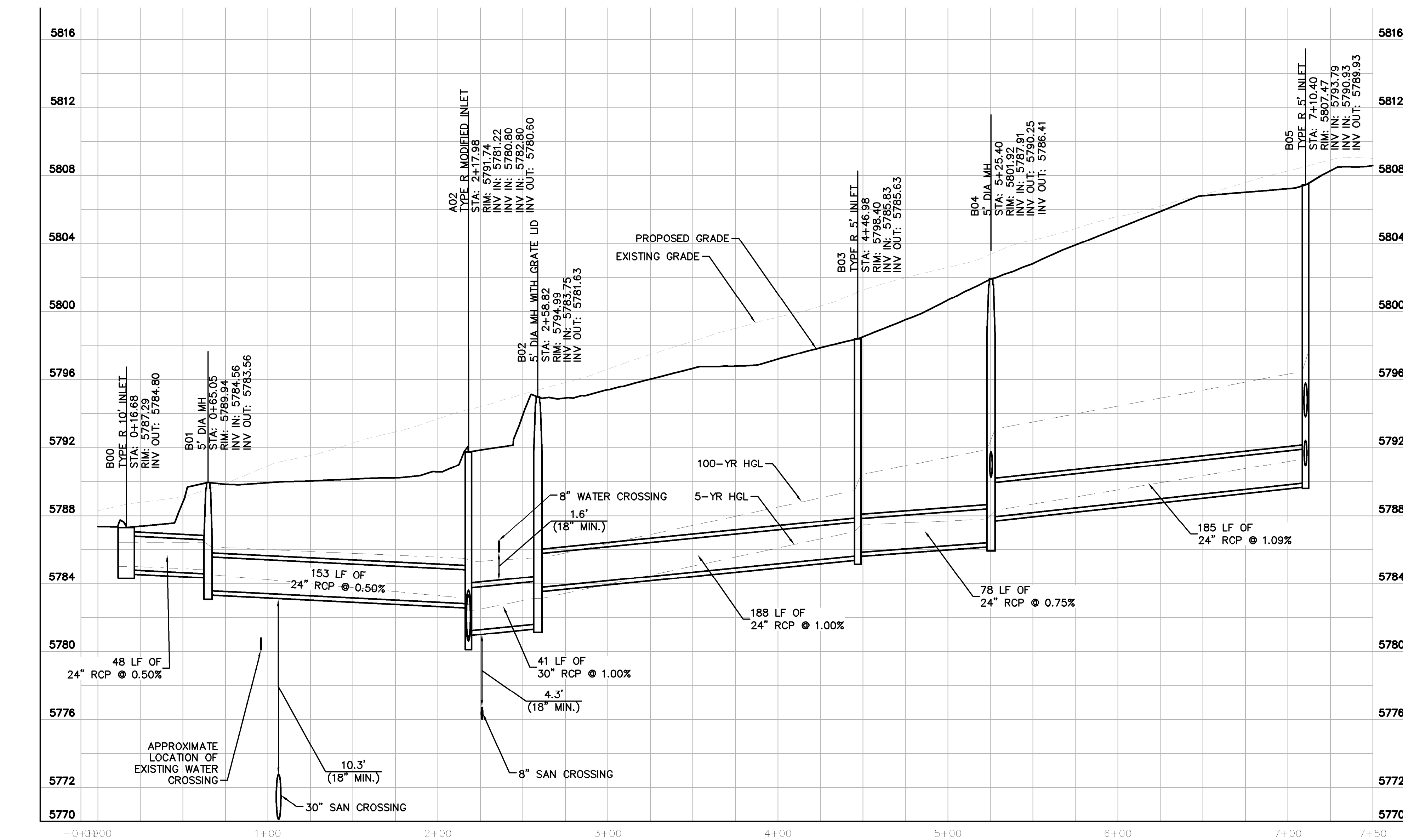
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A03	5' DIA MH	N: 12273.1682 E: 50135.4060
A04	TYPE R 5' INLET	N: 12348.8235 E: 50137.5726
A05	5' DIA MH	N: 12348.8235 E: 50120.7393
B00	TYPE R 10' INLET	N: 12026.9293 E: 49987.6006
B01	5' DIA MH	N: 12075.0969 E: 49987.5740
B02	5' DIA MH WITH GRATE LID	N: 12044.1939 E: 50178.4126
B03	TYPE R 5' INLET	N: 12046.5109 E: 50366.5611
B04	5' DIA MH	N: 12102.1929 E: 50421.7791
B05	TYPE R 5' INLET	N: 12092.1007 E: 50606.3725
B05.1	5' DIA MH WITH GRATE LID	N: 12133.6552 E: 50606.5543
B06	5' DIA MH	N: 12071.7851 E: 50650.2930
B07	5' DIA MH	N: 11963.3147 E: 50650.2930
B07.1	5' DIA MH WITH GRATE LID	N: 11963.3062 E: 50685.9988
B08	TYPE R 10' INLET	N: 11907.6200 E: 50652.4644
B08.1	5' DIA MH WITH GRATE LID	N: 11907.6120 E: 50685.9988
C00	TYPE R 5' INLET	N: 12284.8966 E: 50176.9060
C00.1	5' DIA MH WITH GRATE LID	N: 12326.5470 E: 50181.6014
C01	TYPE R 5' MANHOLE	N: 12284.2299 E: 50375.1453
C01.1	5' DIA MH WITH GRATE LID	N: 12328.8687 E: 50374.9646
D00	OUTLET	N: 11849.1557 E: 50334.9577
D01	5' DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



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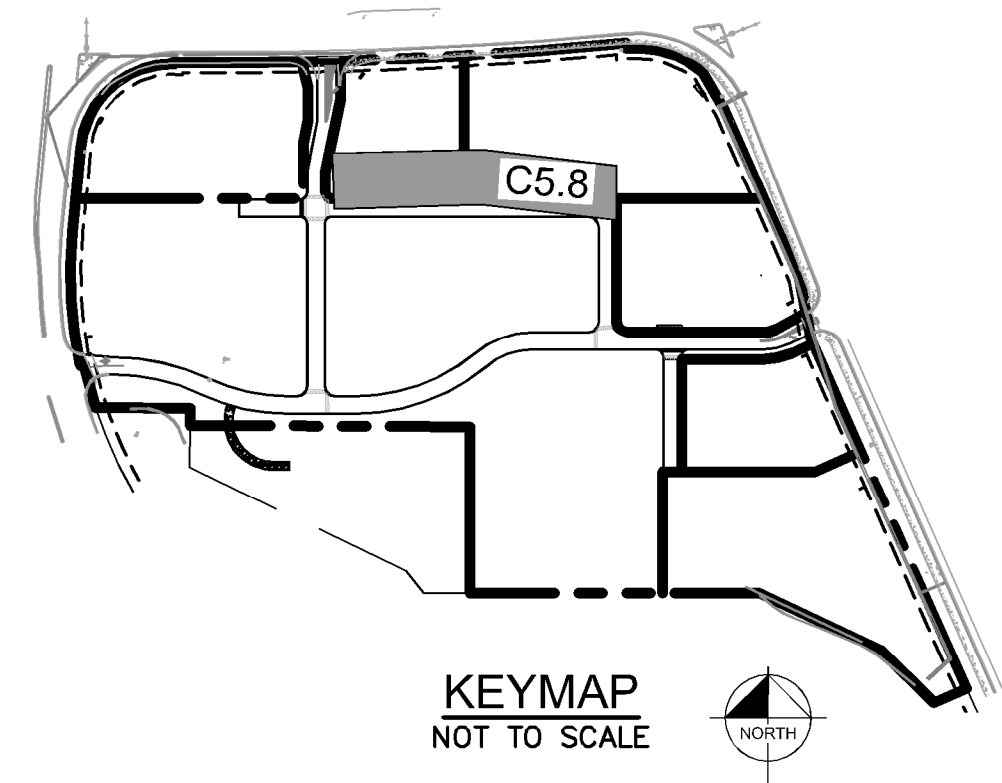
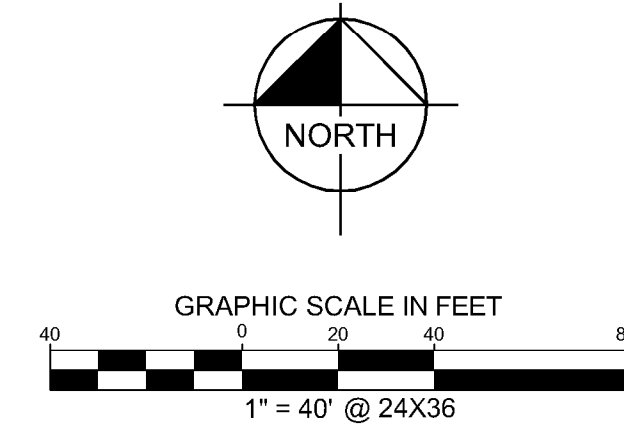
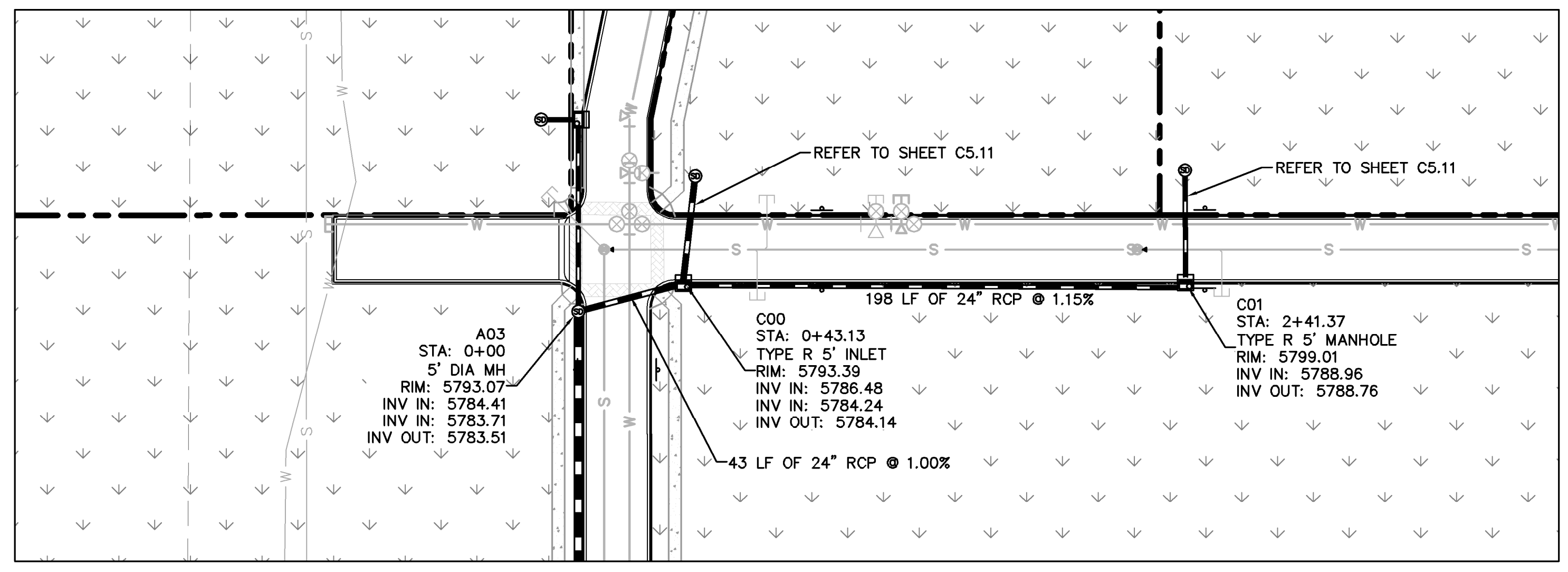
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 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

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STORM-B PLAN AND PROFILE

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 096502001
 DRAWING NAME
 096502001ST
C5.6

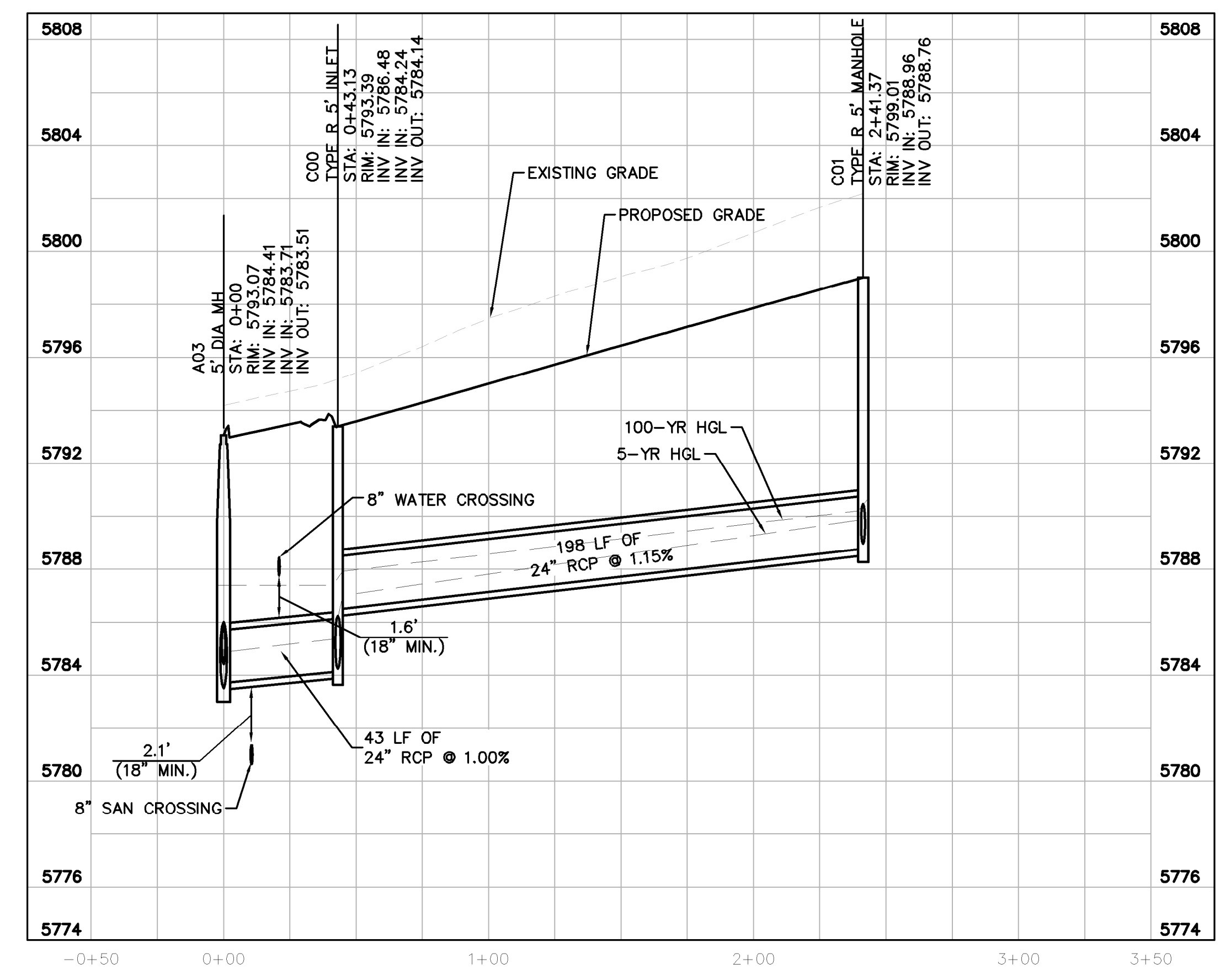
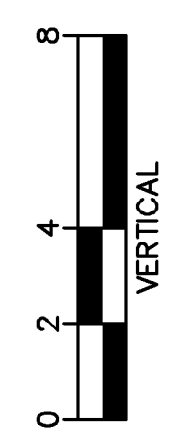
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LEGEND

- PROPERTY LINE
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE

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B08.1	5' DIA MH WITH GRATE LID	N: 11907.6120 E: 50685.9988
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D01	5' DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



STORM LINE C PROFILE [STA 5+00 TO 10+00]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 4552 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

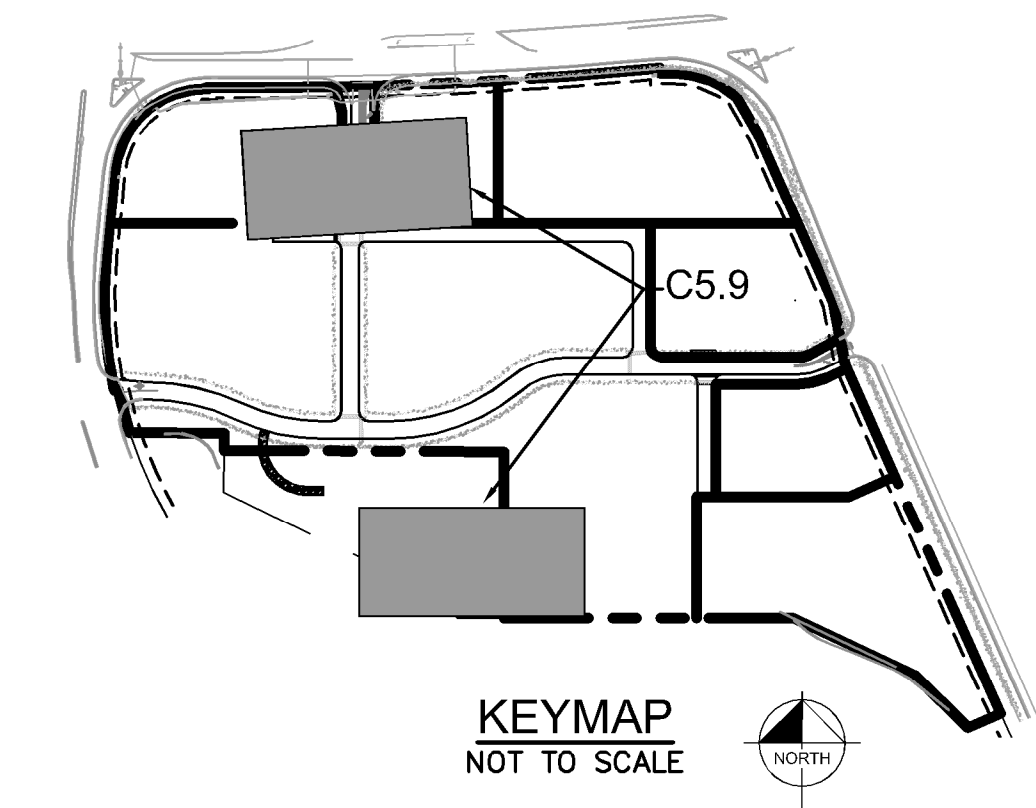
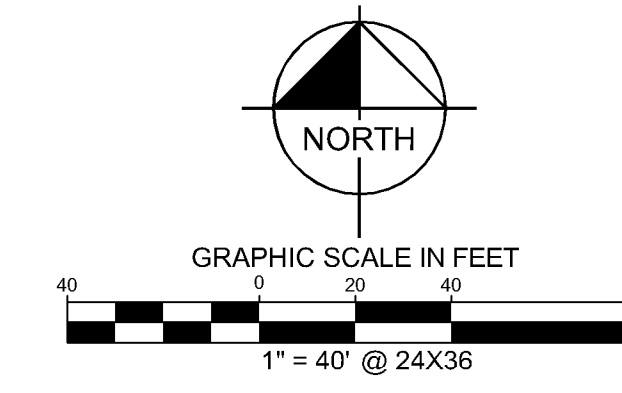
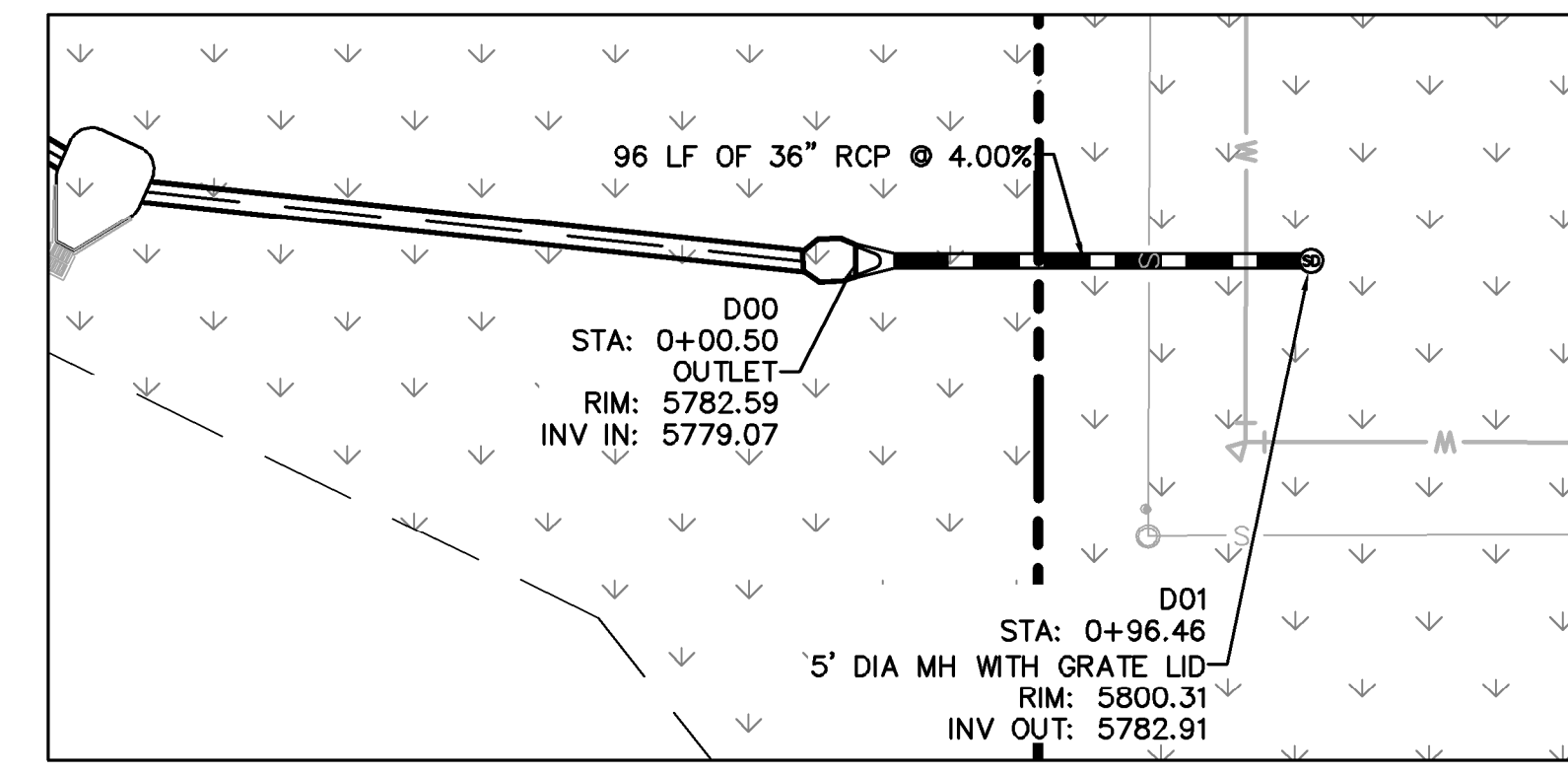
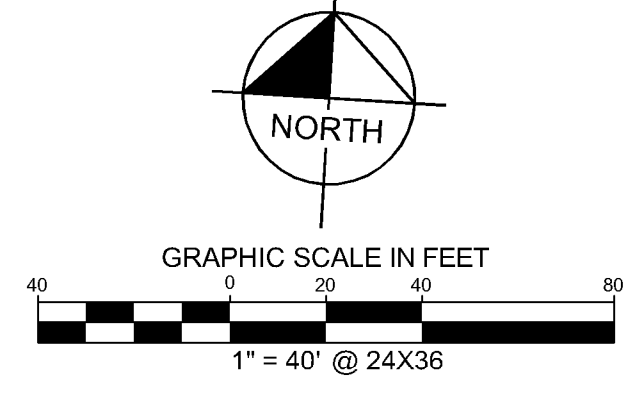
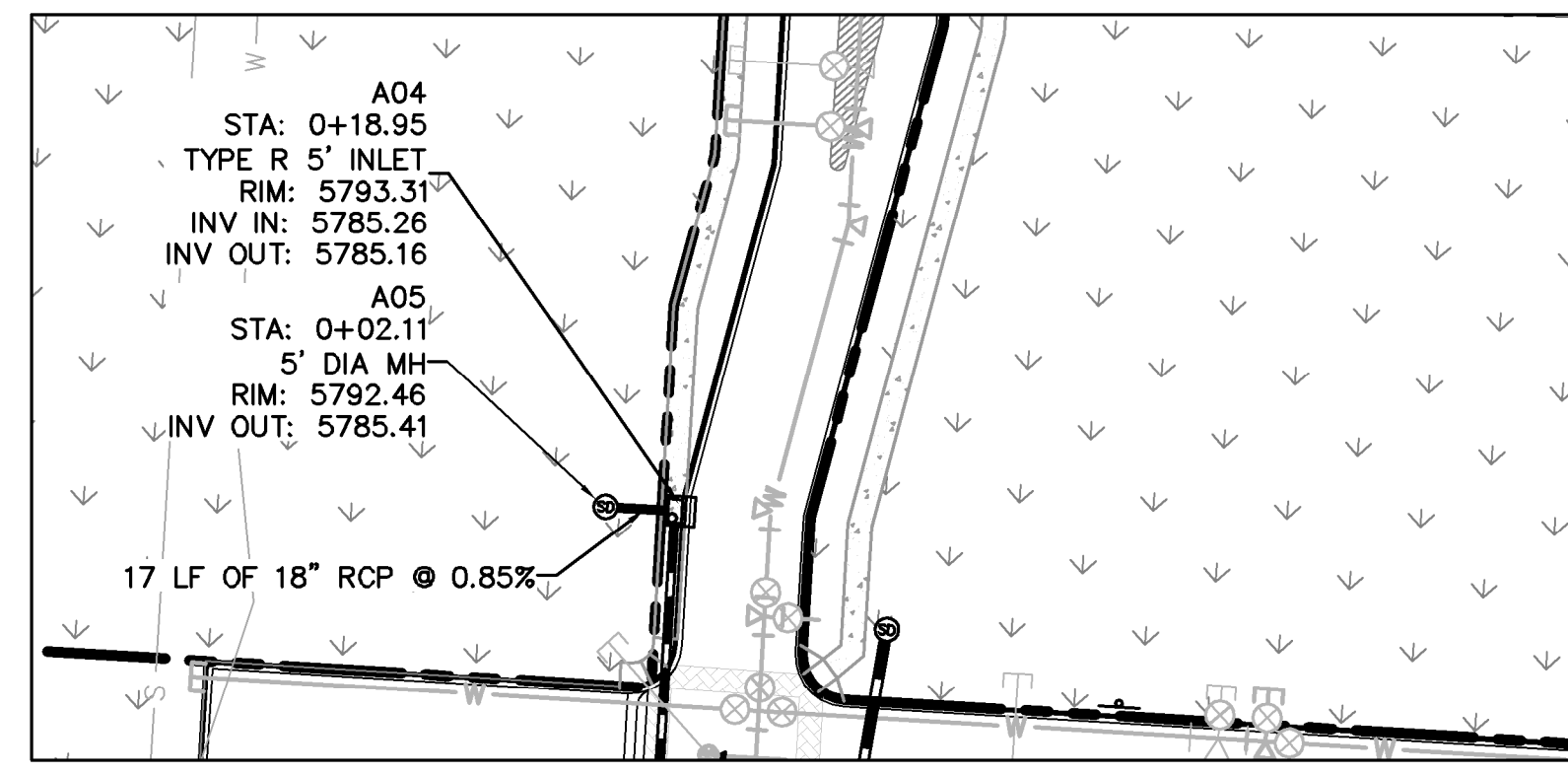
PARKER AND PINE FILING 1
 PARKER, CO
 CONSTRUCTION DOCUMENTS
 STORM-C PLAN AND PROFILE

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PROJECT NO.
 096502001
 DRAWING NAME
 096502001ST
 C5.8

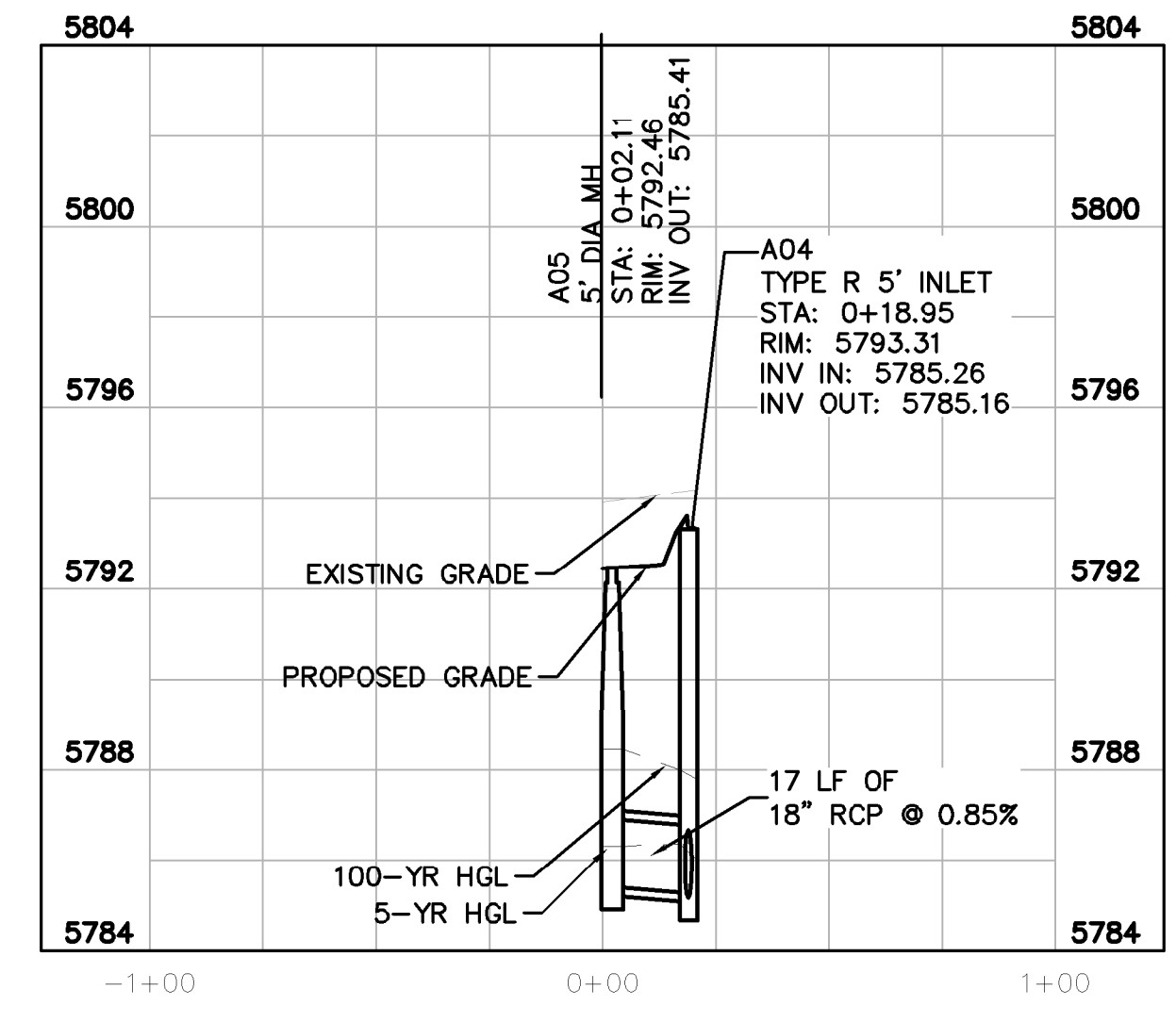


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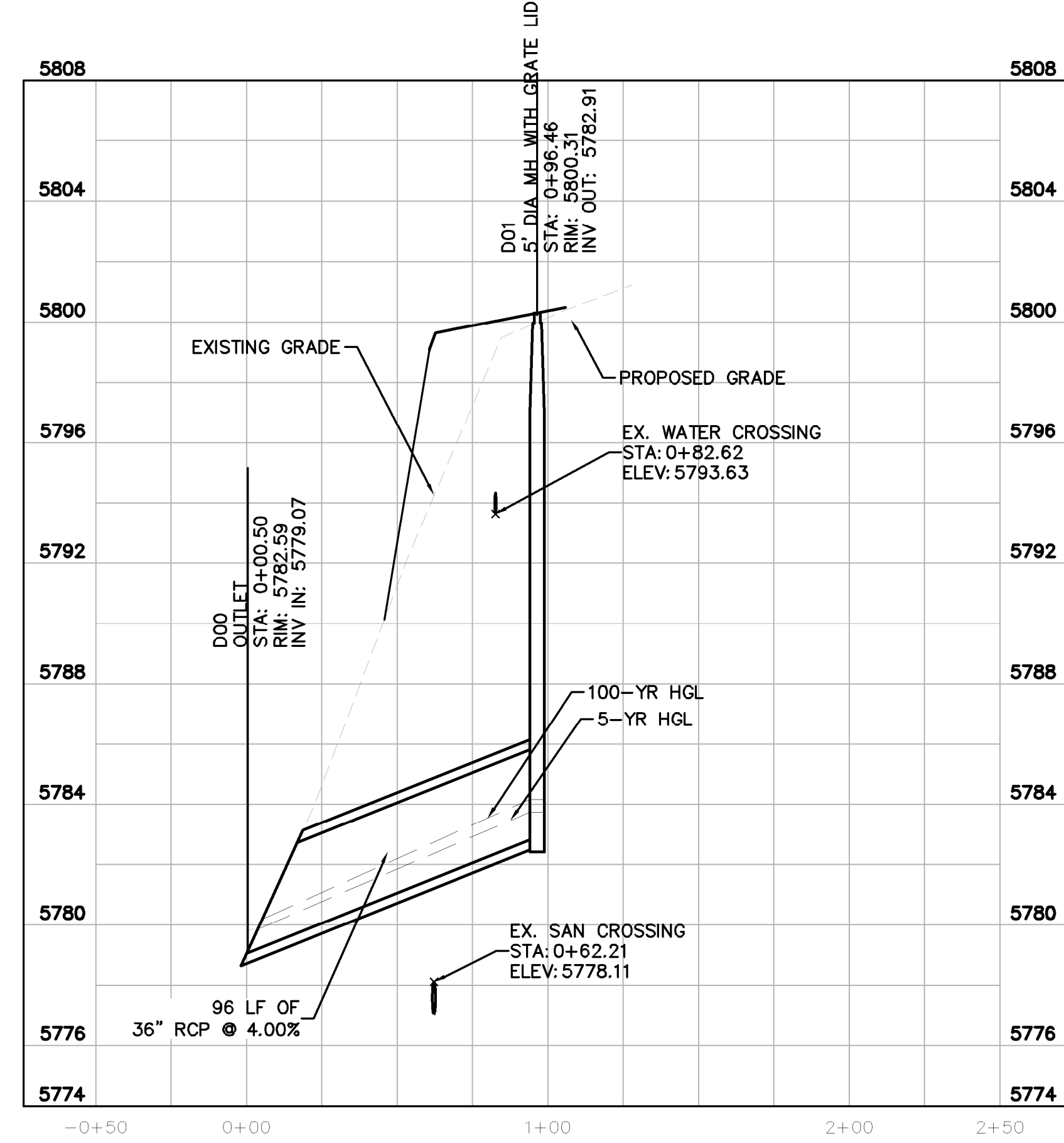
- LEGEND**
- PROPERTY LINE
 - PROPOSED STORM SEWER
 - PROPOSED STORM INLET
 - PROPOSED STORM MANHOLE

STRUCTURE TABLE		
STRUCTURE NAME:	DESCRIPTION:	LOCATION:
A00	OUTLET	N: 11940.6071 E: 50137.5692
A01	TYPE R 10" INLET	N: 12000.1427 E: 50137.5726
A02	TYPE R MODIFIED INLET	N: 12044.3094 E: 50137.5726
A03	5" DIA MH	N: 12273.1682 E: 50135.4060
A04	TYPE R 5" INLET	N: 12348.8235 E: 50137.5726
A05	5" DIA MH	N: 12348.8235 E: 50120.7393
B00	TYPE R 10" INLET	N: 12026.9293 E: 49987.6006
B01	5" DIA MH	N: 12075.0969 E: 49987.5740
B02	5" DIA MH WITH GRATE LID	N: 12044.1939 E: 50178.4126
B03	TYPE R 5" INLET	N: 12046.5109 E: 50366.5611
B04	5" DIA MH	N: 12102.1929 E: 50421.7791
B05	TYPE R 5" INLET	N: 12092.1007 E: 50606.3725
B05.1	5" DIA MH WITH GRATE LID	N: 12133.6552 E: 50606.5543
B06	5" DIA MH	N: 12071.7851 E: 50650.2930
B07	5" DIA MH	N: 11963.3147 E: 50685.9988
B07.1	5" DIA MH WITH GRATE LID	N: 11963.3062 E: 50685.9988
B08	TYPE R 10" INLET	N: 11907.6200 E: 50652.4644
B08.1	5" DIA MH WITH GRATE LID	N: 11907.6120 E: 50685.9988
C00	TYPE R 5" INLET	N: 12284.8966 E: 50176.0060
C00.1	5" DIA MH WITH GRATE LID	N: 12326.5470 E: 50181.6014
C01	TYPE R 5" MANHOLE	N: 12284.2299 E: 50375.1453
C01.1	5" DIA MH WITH GRATE LID	N: 12328.8687 E: 50374.9646
D00	OUTLET	N: 11849.1557 E: 50334.9577
D01	5" DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



STORM LATERAL A.1 PROFILE
 [STA 0+00 TO 0+25]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'



STORM LATERAL D PROFILE
 [STA -0+50 TO 1+50]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____



NO.	REVISION	BY	DATE

Kimley»Horn
 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 4552 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

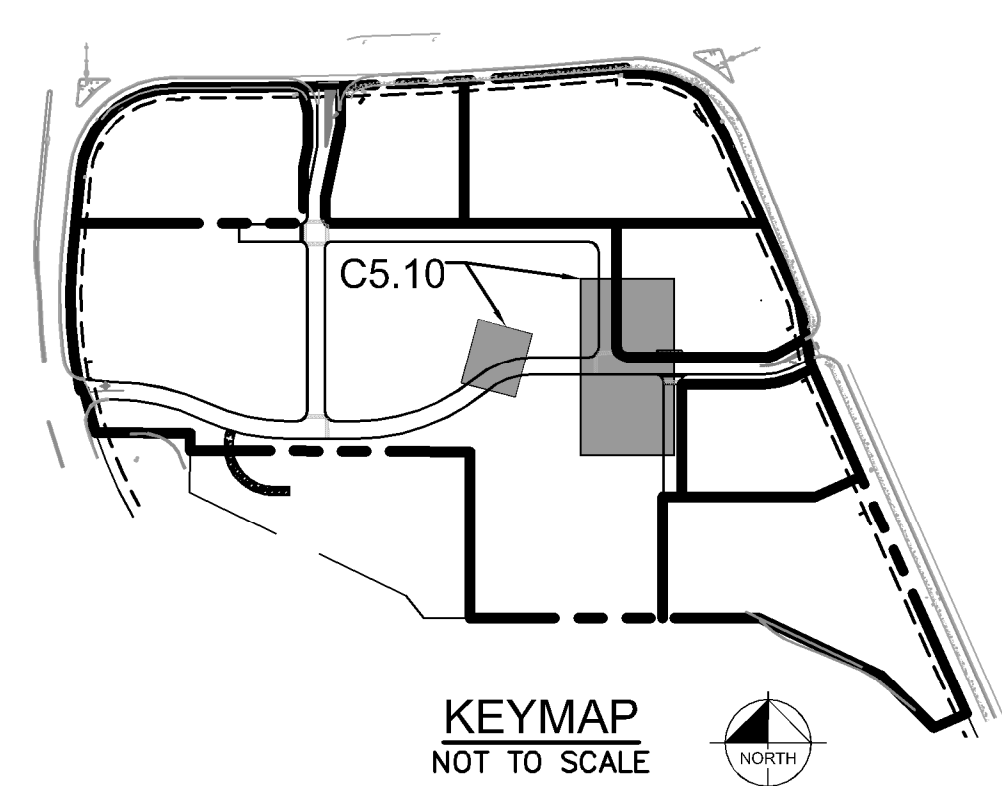
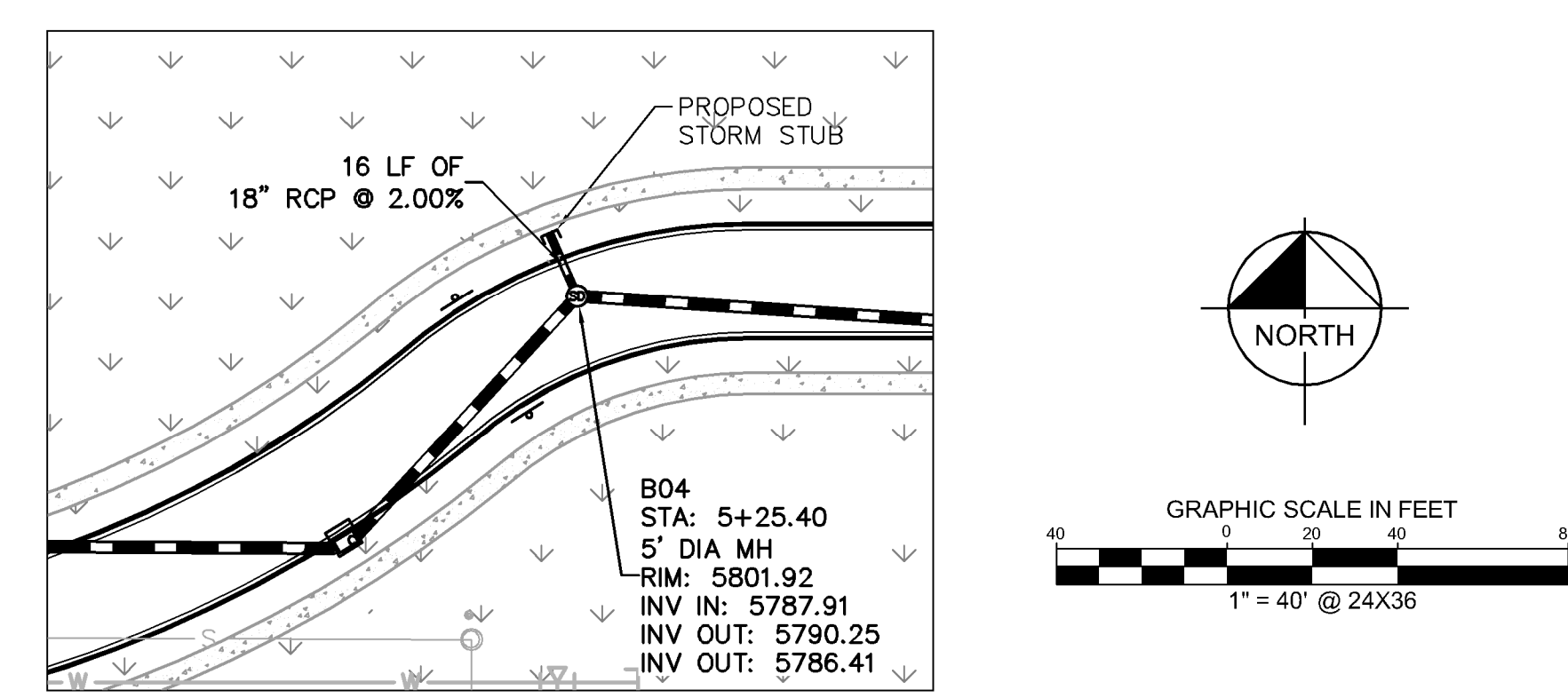
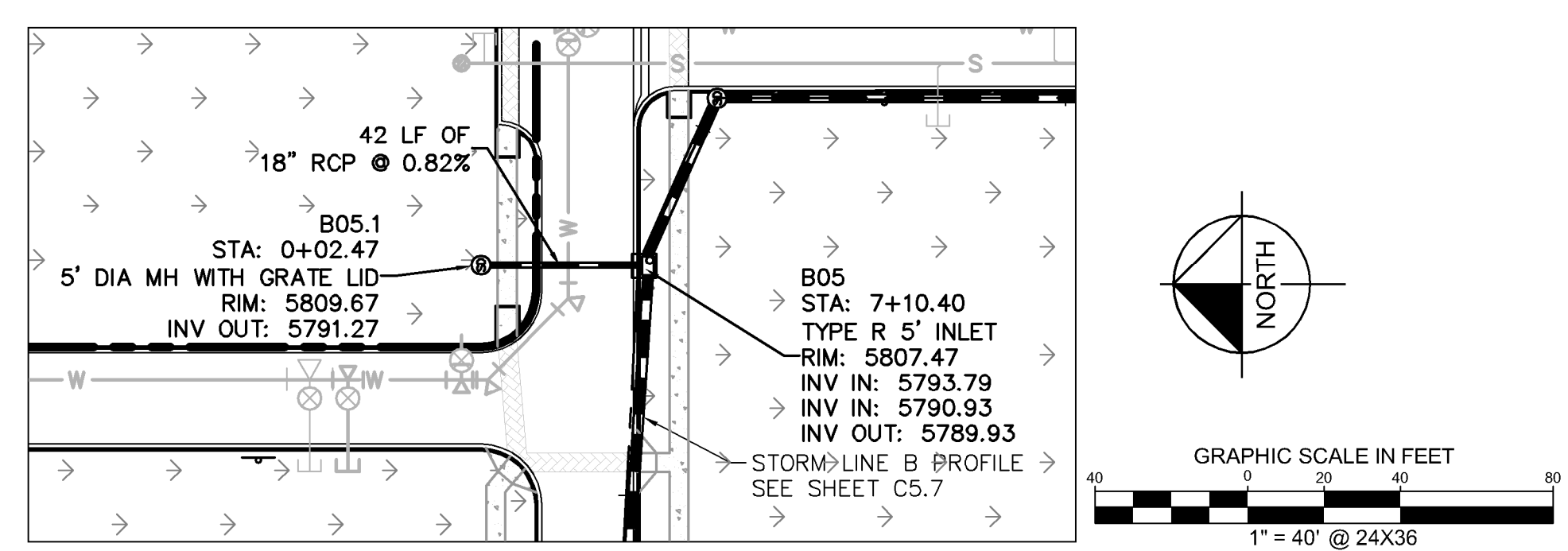
DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

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 CONSTRUCTION DOCUMENTS
 STORM-A LATERALS PLAN AND PROFILE

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PROJECT NO.
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 DRAWING NAME
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C5.9

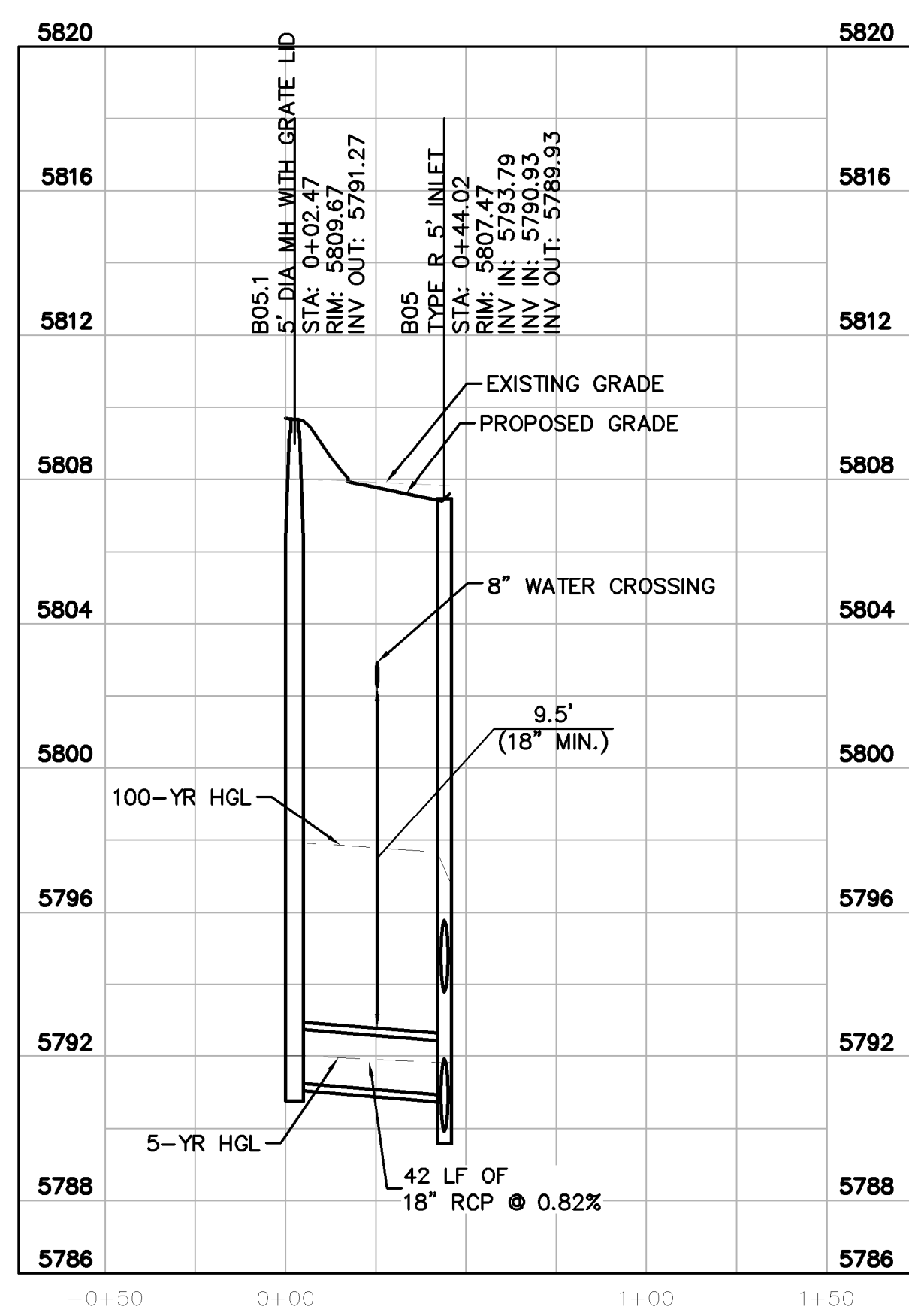
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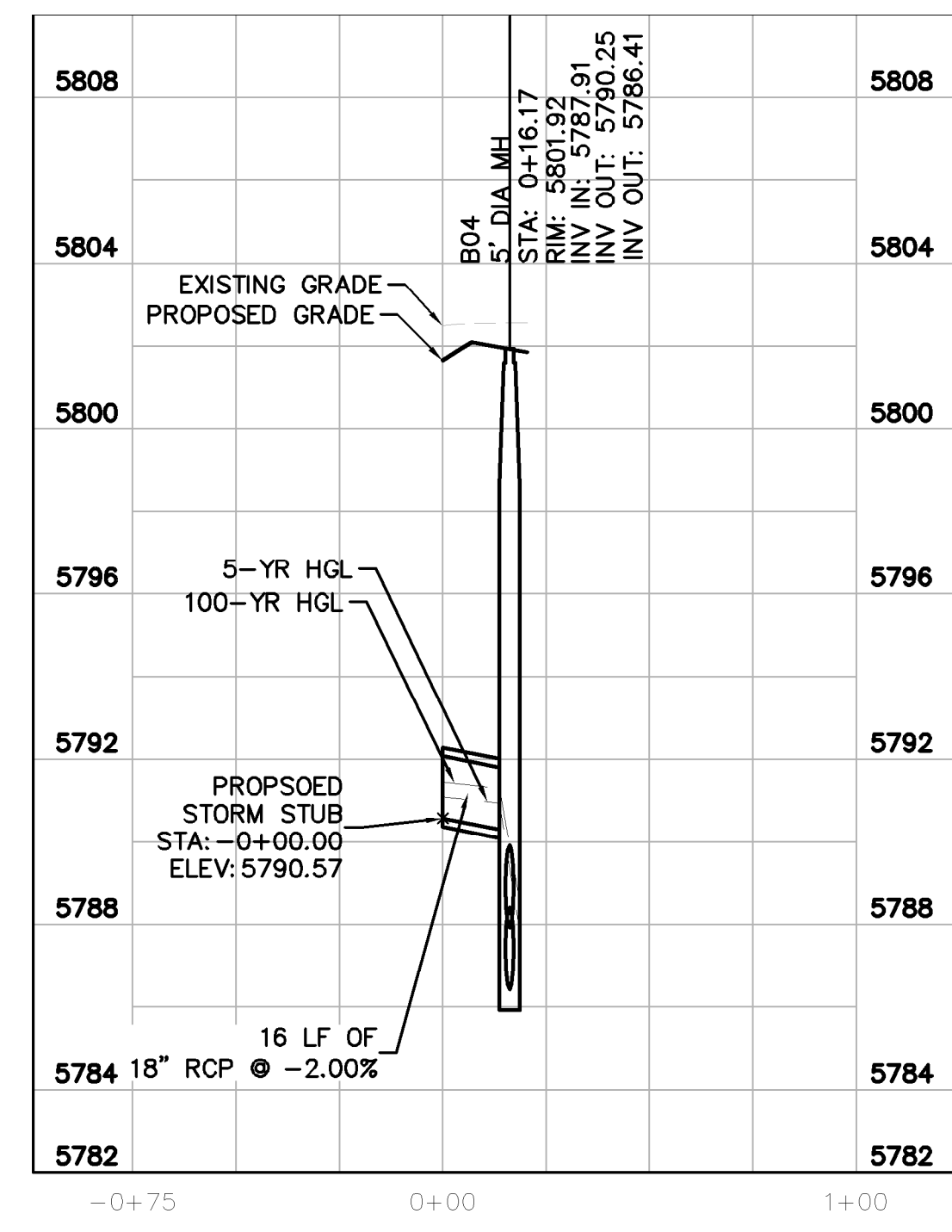
- PROPERTY LINE
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE

STRUCTURE TABLE		
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A04	TYPE R 5' INLET	N: 12348.8235 E: 50137.5726
A05	5' DIA MH	N: 12348.8235 E: 50120.7393
B00	TYPE R 10' INLET	N: 12026.9293 E: 49987.6006
B01	5' DIA MH	N: 12075.0969 E: 49987.5740
B02	5' DIA MH WITH GRATE LID	N: 12044.1939 E: 50178.4126
B03	TYPE R 5' INLET	N: 12046.5109 E: 50366.5611
B04	5' DIA MH	N: 12102.1929 E: 50421.7791
B05	TYPE R 5' INLET	N: 12092.1007 E: 50606.3725
B05.1	5' DIA MH WITH GRATE LID	N: 12133.6552 E: 50606.5543
B06	5' DIA MH	N: 12071.7851 E: 50650.2930
B07	5' DIA MH	N: 11963.3147 E: 50650.2930
B07.1	5' DIA MH WITH GRATE LID	N: 11963.3062 E: 50685.9988
B08	TYPE R 10' INLET	N: 11907.6200 E: 50652.4644
B08.1	5' DIA MH WITH GRATE LID	N: 11907.6120 E: 50176.9060
C00	TYPE R 5' INLET	N: 12284.8966 E: 50176.9060
C00.1	5' DIA MH WITH GRATE LID	N: 12326.5470 E: 50181.6014
C01	TYPE R 5' MANHOLE	N: 12284.2299 E: 50375.1453
C01.1	5' DIA MH WITH GRATE LID	N: 12328.8687 E: 50374.9646
D00	OUTLET	N: 11849.1557 E: 50334.9577
D01	5' DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



STORM LATERAL B.1 PROFILE
[STA 0+00 TO 1+00]

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



STORM LATERAL B.4 PROFILE
[STA 0+00 TO 1+00]

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____

NO.	REVISION	BY	DATE	APPR

Kimley-Horn
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 4552 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

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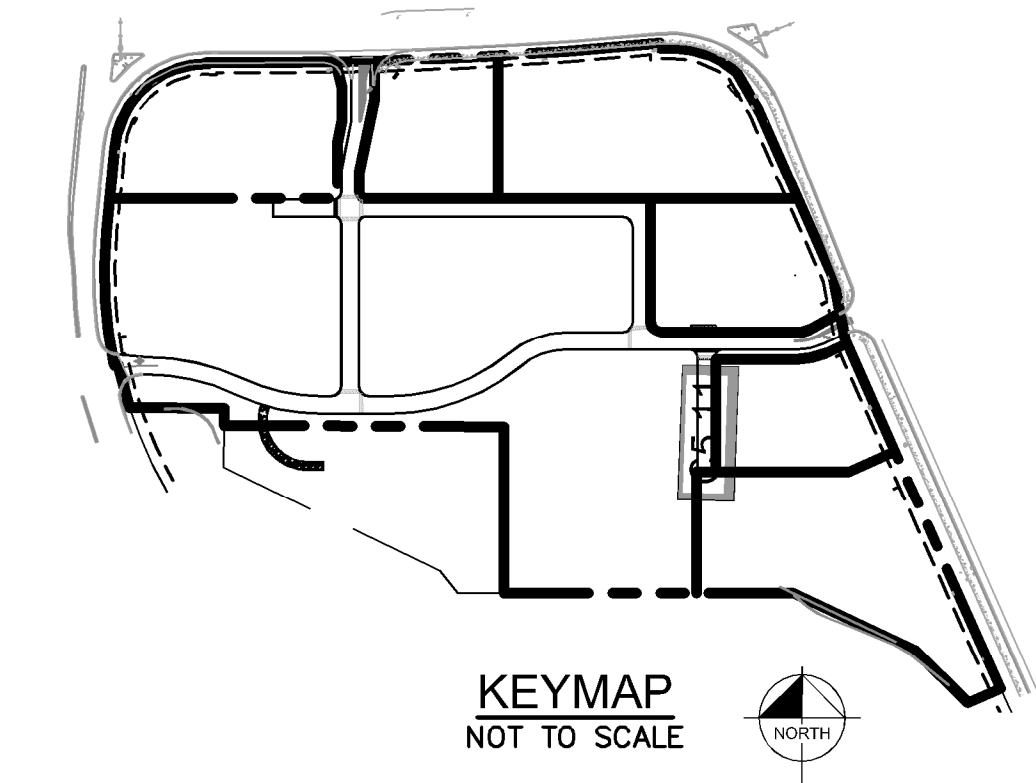
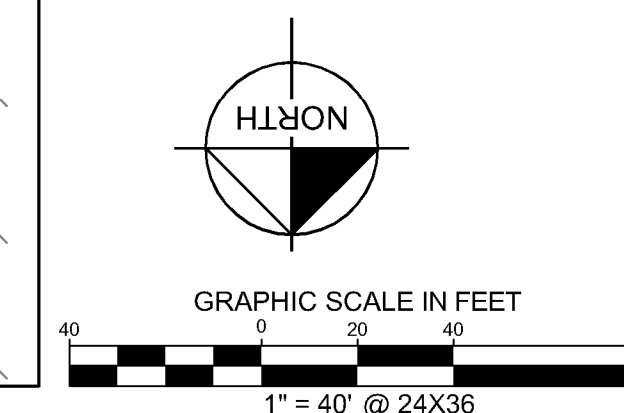
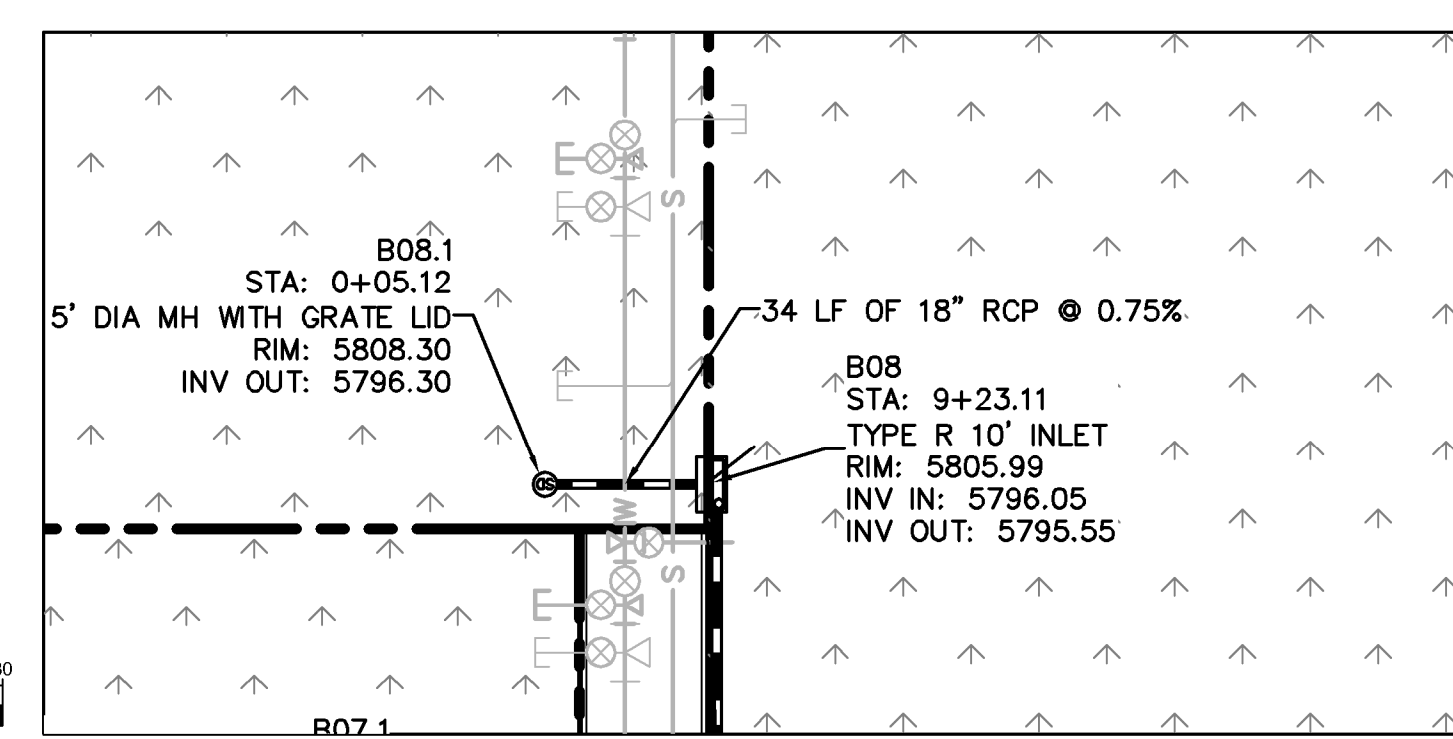
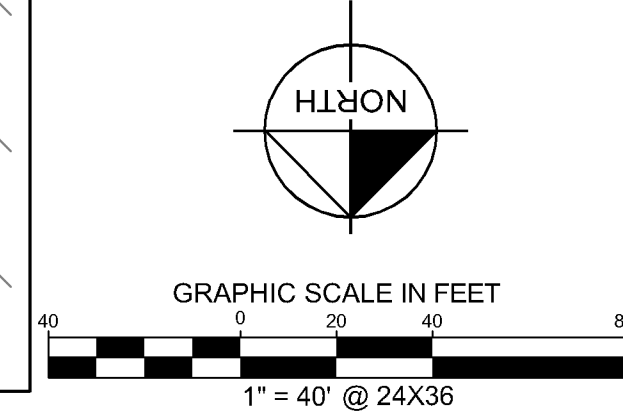
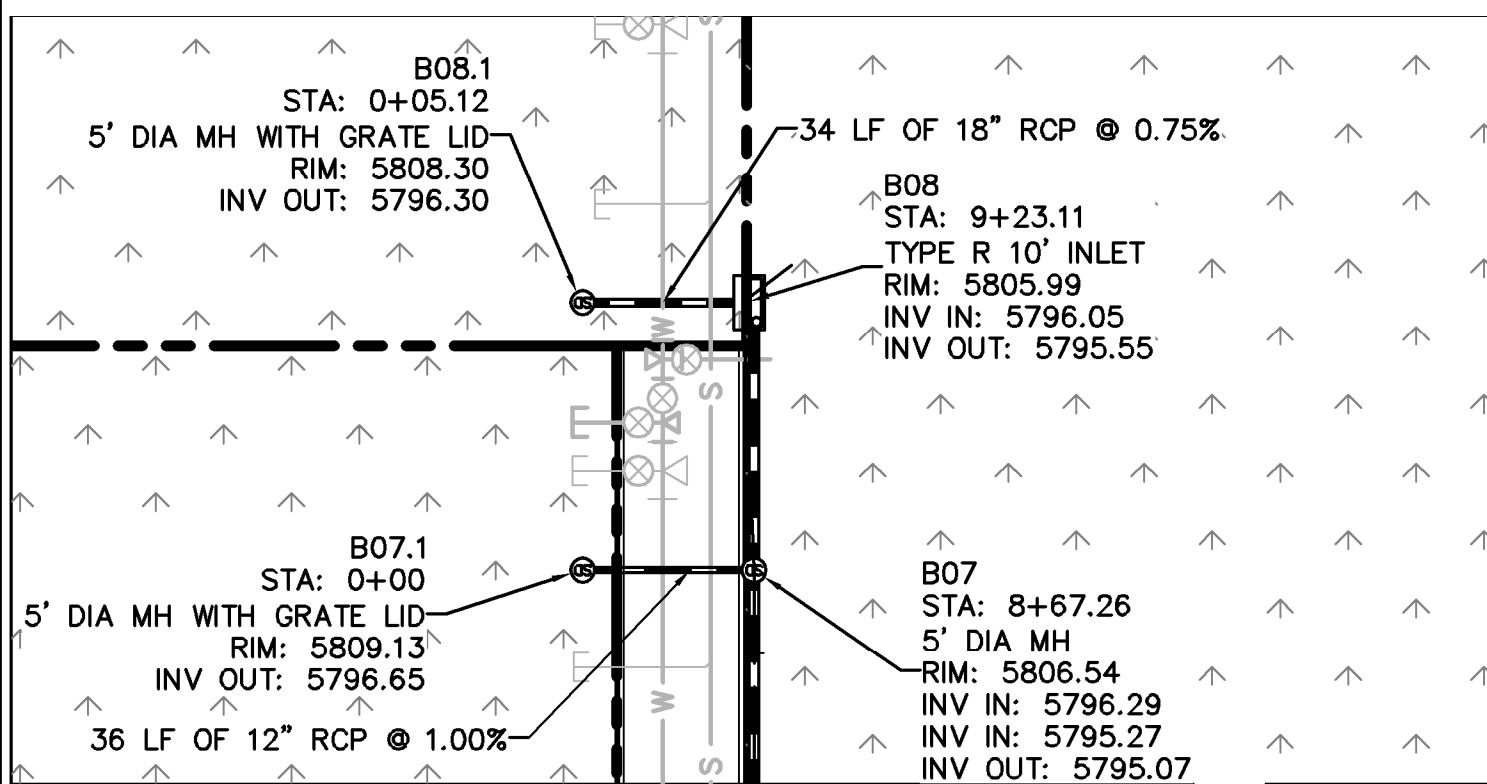
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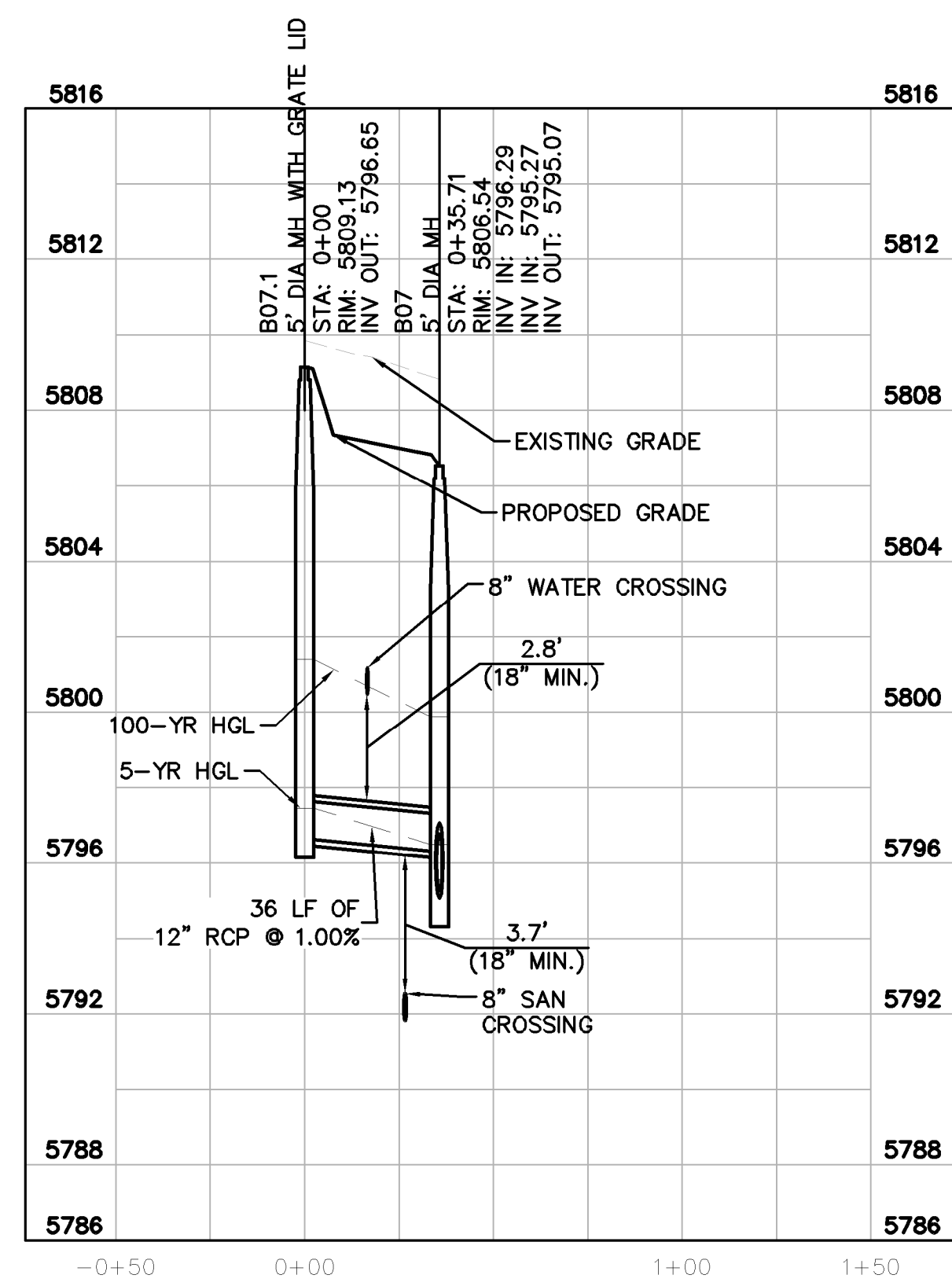


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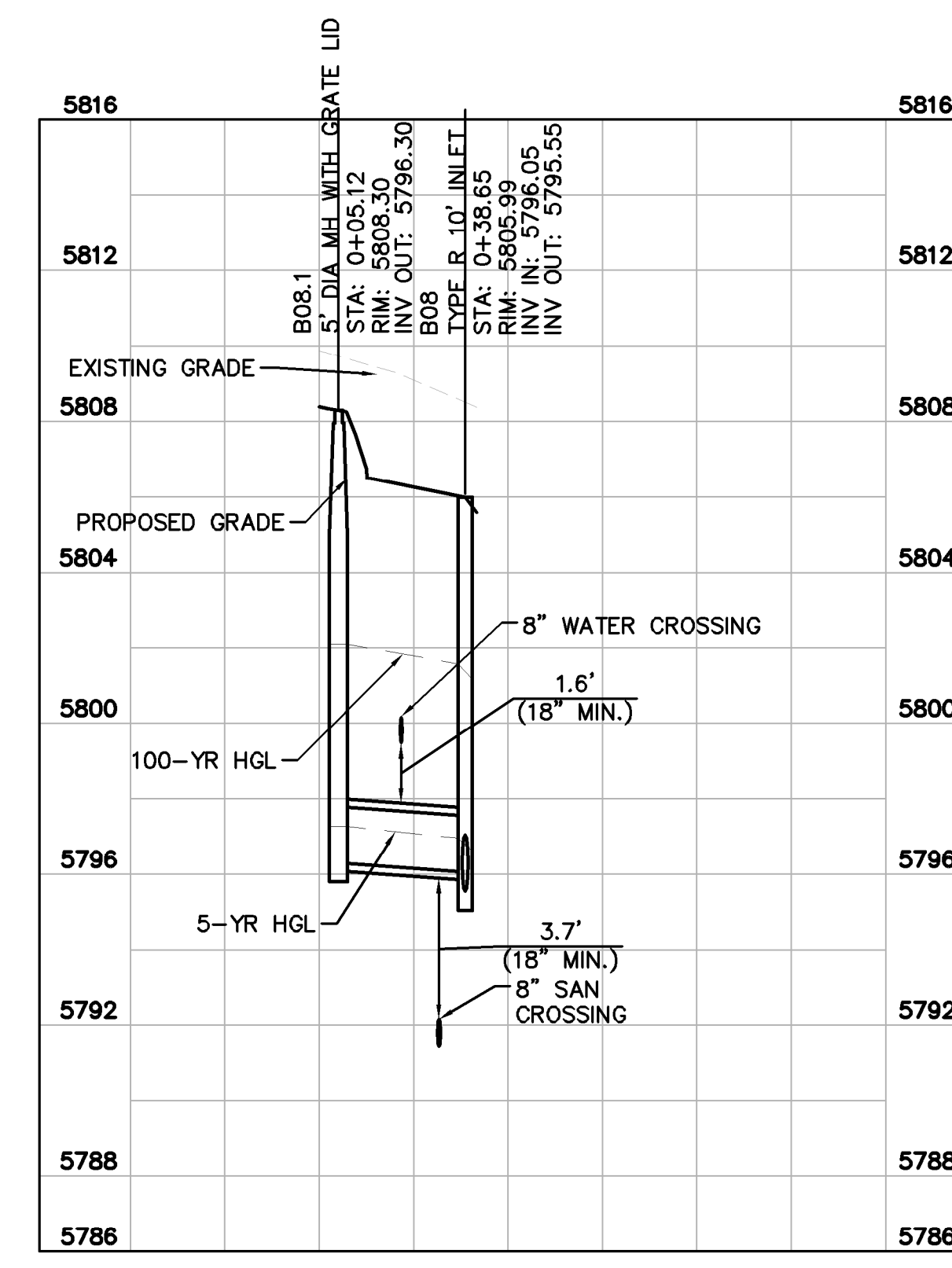
- LEGEND**
- PROPERTY LINE
 - PROPOSED STORM SEWER
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 - PROPOSED STORM MANHOLE

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A04	TYPE R 5' INLET	N: 12348.8235 E: 50120.7393
A05	5' DIA MH	N: 12348.8235 E: 50120.7393
B00	TYPE R 10' INLET	N: 12026.9293 E: 49987.6006
B01	5' DIA MH	N: 12075.0969 E: 49987.5740
B02	5' DIA MH WITH GRATE LID	N: 12044.1939 E: 50178.4126
B03	TYPE R 5' INLET	N: 12046.5109 E: 50366.5611
B04	5' DIA MH	N: 12102.1929 E: 50421.7791
B05	TYPE R 5' INLET	N: 12092.1007 E: 50606.3725
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B06	5' DIA MH	N: 12071.7851 E: 50650.2930
B07	5' DIA MH	N: 11963.3147 E: 50650.2930
B07.1	5' DIA MH WITH GRATE LID	N: 11963.3062 E: 50685.9988
B08	TYPE R 10' INLET	N: 11907.6200 E: 50652.4644
B08.1	5' DIA MH WITH GRATE LID	N: 11907.6120 E: 50176.9060
C00	TYPE R 5' INLET	N: 12284.8966 E: 50181.6014
C00.1	5' DIA MH WITH GRATE LID	N: 12326.5470 E: 50181.6014
C01	TYPE R 5' MANHOLE	N: 12284.2299 E: 50375.1453
C01.1	5' DIA MH WITH GRATE LID	N: 12328.8687 E: 50374.9646
D00	OUTLET	N: 11849.1557 E: 50334.9577
D01	5' DIA MH WITH GRATE LID	N: 11849.2713 E: 50430.9191



STORM LATERAL B.2 PROFILE
 [STA 0+00 TO 1+50]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'



STORM LATERAL B.3 PROFILE
 [STA 0+00 TO 2+00]

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'

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TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____



NO.	REVISION	BY	DATE

Kimley»Horn
 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 4552 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

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 STORM-B LATERALS PLAN AND PROFILE

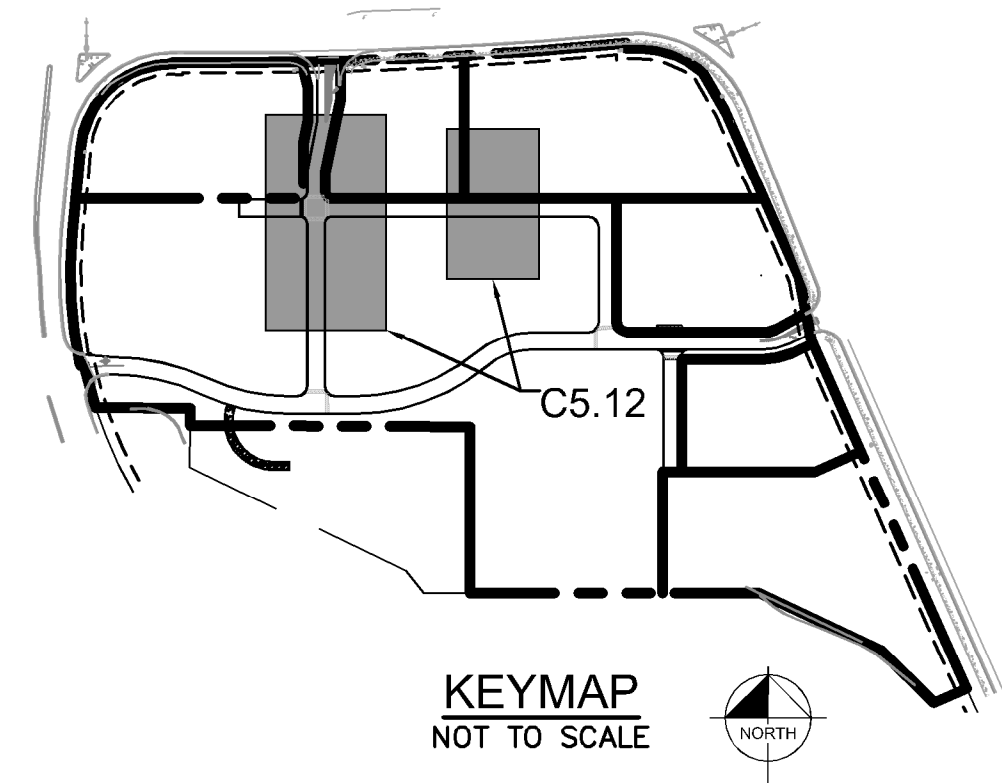
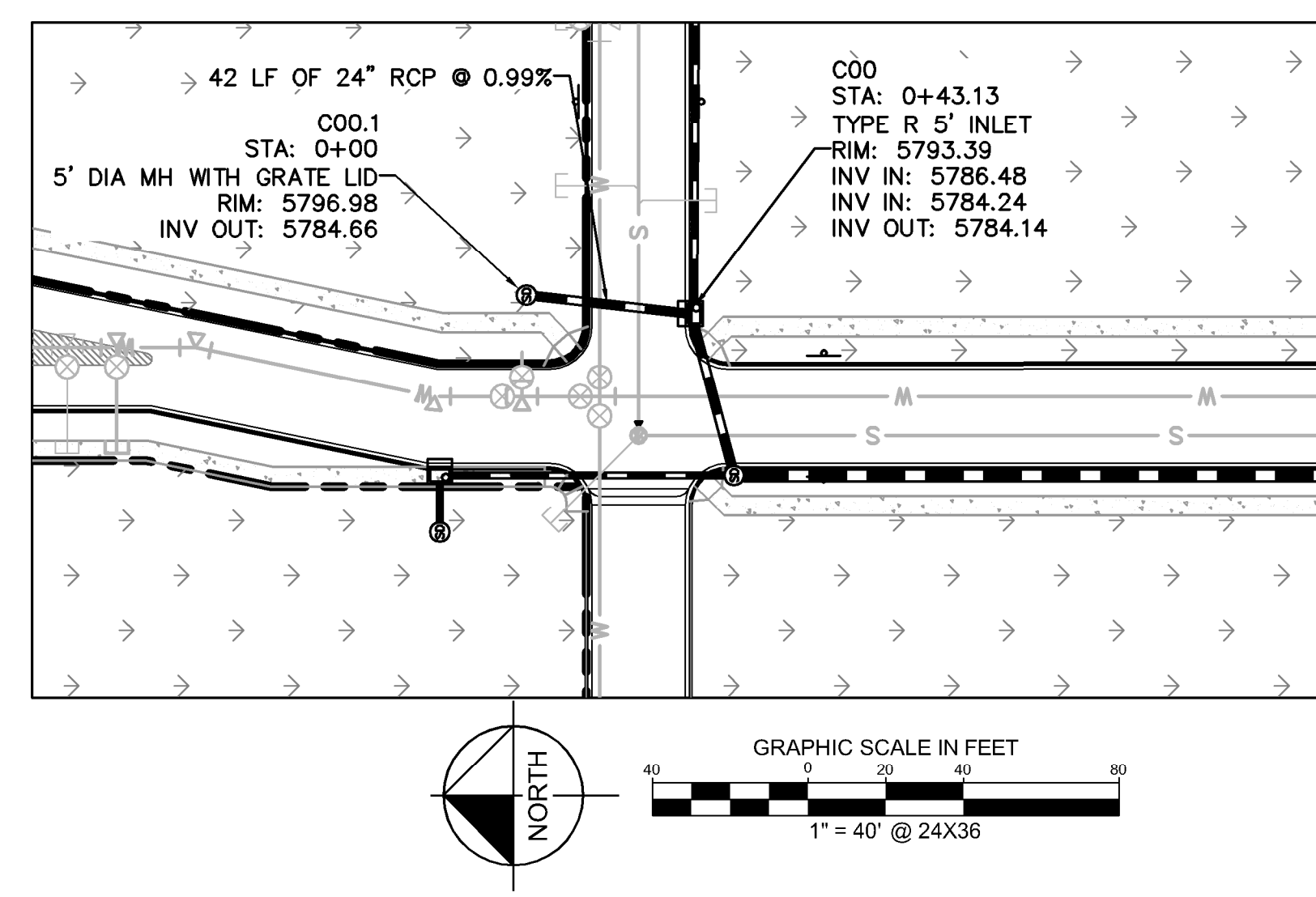
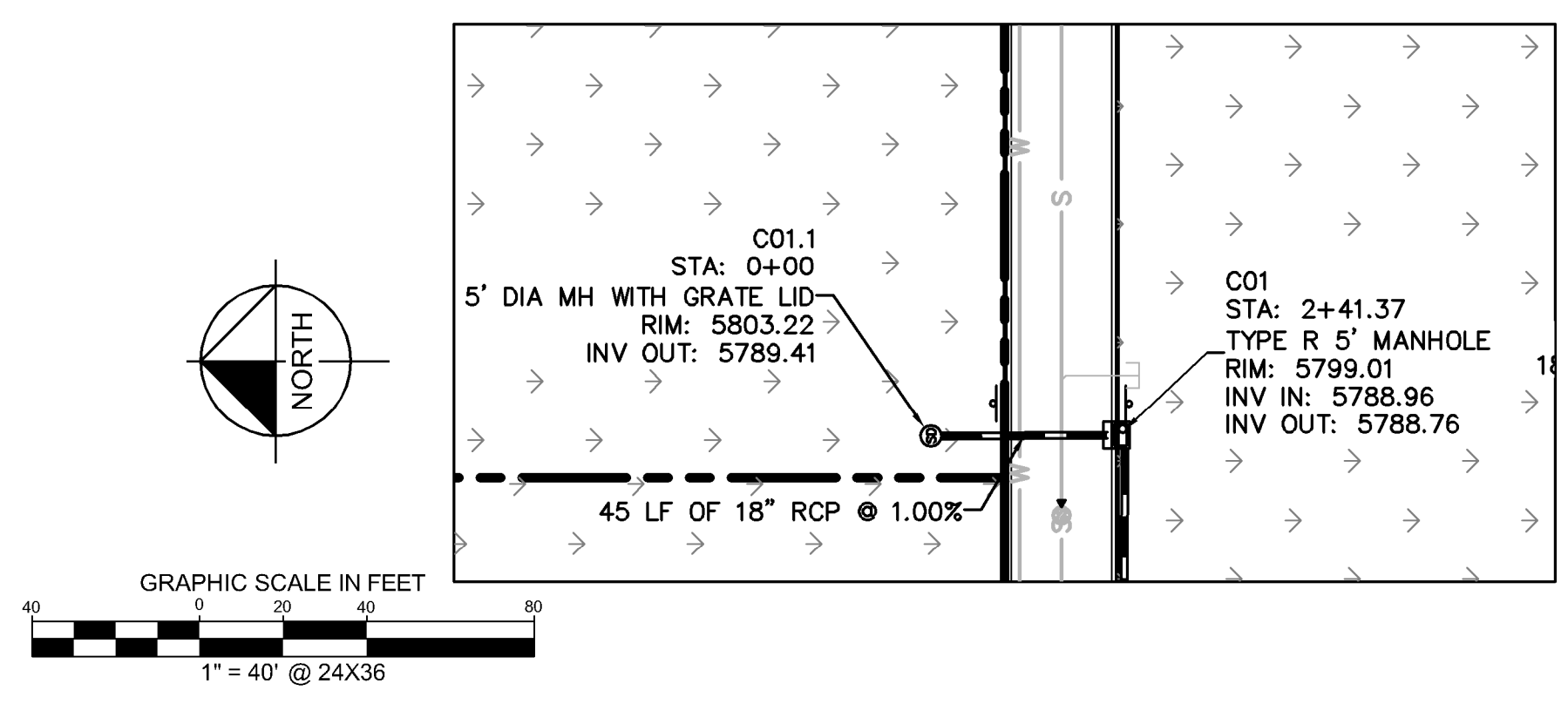
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PROJECT NO.
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DRAWING NAME
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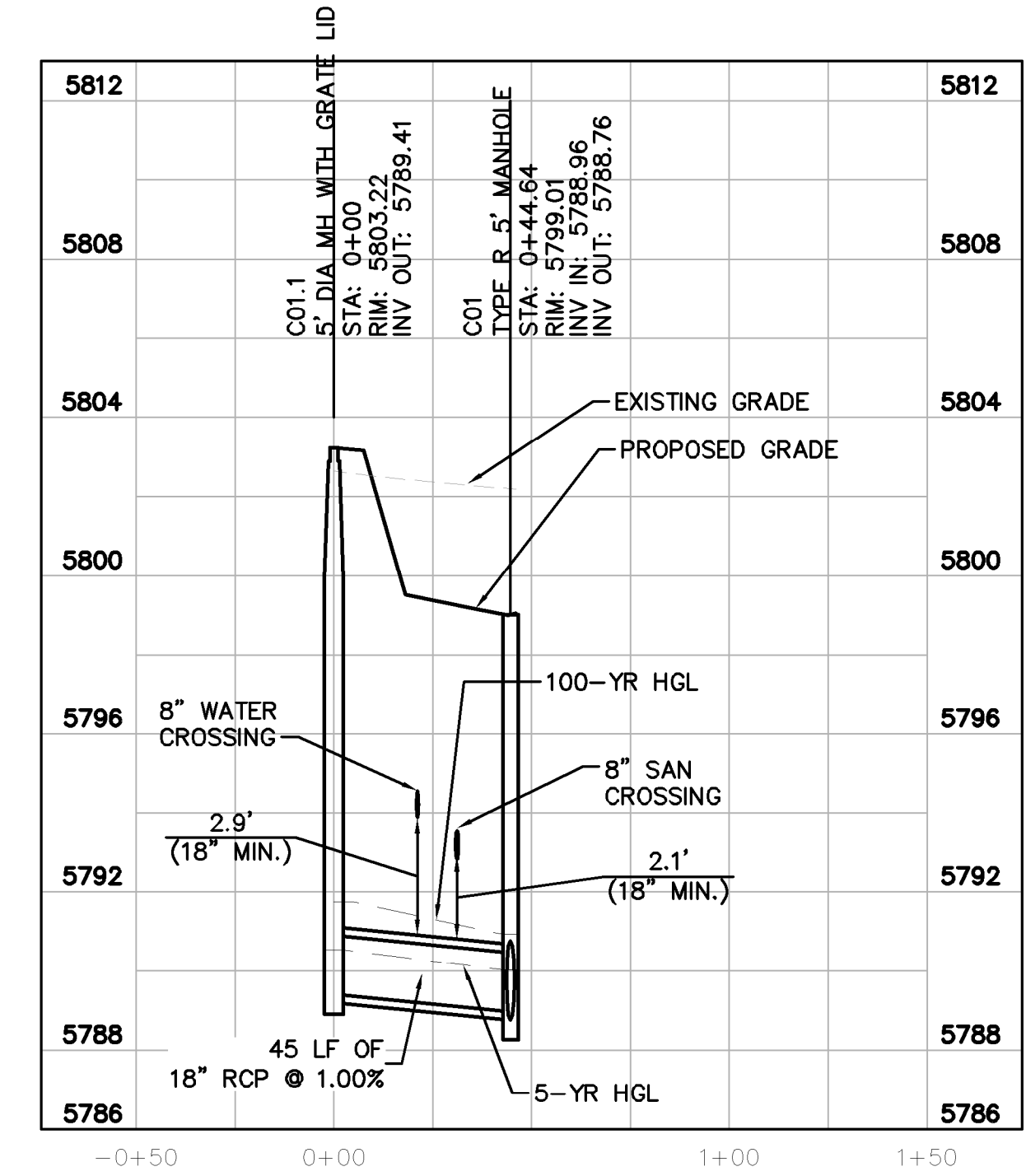
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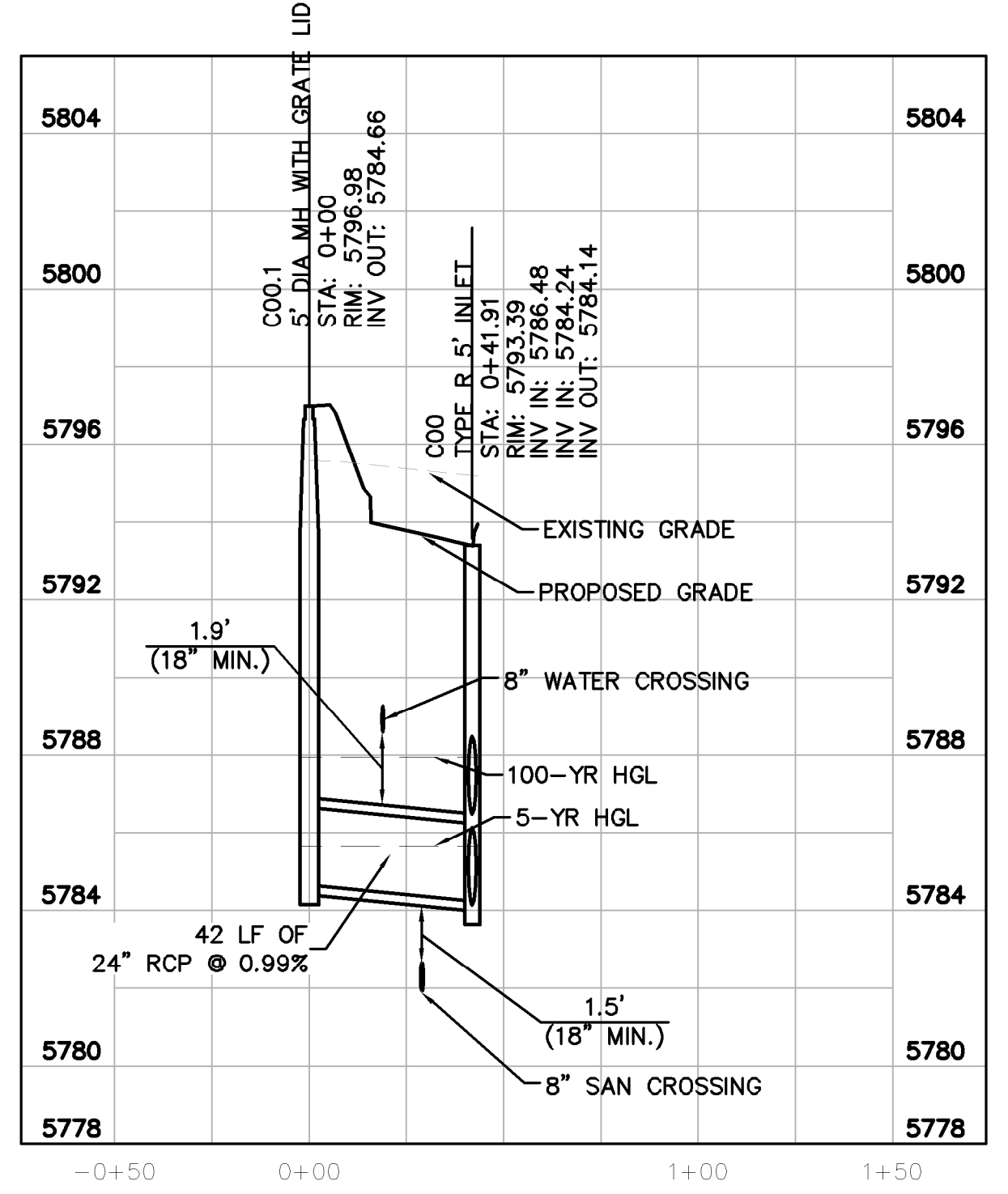
- LEGEND**
- PROPERTY LINE
 - PROPOSED STORM SEWER
 - PROPOSED STORM INLET
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D00	OUTLET	N: 11849.1557 E: 50334.9577
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STORM LATERAL C.2 PROFILE
[STA 0+00 TO 1+00]

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



STORM LATERAL C.1 PROFILE
[STA 0+00 TO 1+00]

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.
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 TOWN OF PARKER, DIRECTOR OF ENGINEERING _____ DATE _____



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 4582 South Ulster Street, Suite 1500
 Denver, Colorado 80237 (303) 228-2300

DESIGNED BY: DLS
 DRAWN BY: JRK
 CHECKED BY: DLS
 DATE: 04/24/20

PARKER AND PINE FILING 1
 PARKER, CO
 CONSTRUCTION DOCUMENTS
 STORM-C LATERALS PLAN AND PROFILE

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 Kimley-Horn and Associates, Inc.

PROJECT NO.
 096502001
 DRAWING NAME
 096502001ST
 C5.12

GENERAL NOTES:
 SEE SHEET 2.
 FOR LENGTHS 10 FT. OR MORE, PROVIDE MAINTENANCE ACCESS AT BOTH ENDS WITH AN ADDITIONAL MANHOLE RING AND COVER. BUT REINFORCEMENT BAR ACCORDINGLY.
 * STATION POINT AT MIDPOINT OF INLET ALONG FLOWLINE.
 MEET SHAPE OF NORMAL BARRIER CURB AND GUTTER HERE.
 SEE CHANNEL LAYOUT ON SHEET 2.
 * FOR A 1'-0" PAN SLOPE 2% PER FT.
 * A 2 IN. DIA. x 24" GALV. STEEL ROD SHALL BE PLACED AT SUBGRADE ELEVATION OF A MINIMUM THREE INCHES BELOW ROAD BASE. THE HOLE SHALL BE FLOURED WITH CONCRETE BEFORE ACCEPTANCE OF THE INLET.
 * PLACE ENTIRE ASSEMBLY BEFORE POURING CONCRETE.
 NOTE: MANHOLE RING AND COVER, STATION POINT AND GUTTER PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

Computer File Information
 Creation Date: 07/04/12 Initials: DD
 Last Modification Date: 07/04/12 Initials: LTA
 Full Path: www.colorado.gov/info/business/designsupport
 Drawing File Name: 6040120202.dwg
 CAD Ver: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Colorado Department of Transportation
 4201 East Arkansas Avenue
 Denver, Colorado 80222
 Phone: (303) 757-9083
 Fax: (303) 757-9820
 Project Development Branch DD/LTA

MODIFIED CURB INLET TYPE R
 STANDARD PLAN NO. M-604-12
 Sheet No. 1 of 2

NOTES:
 1. FAR SIDE BUS STOP ARE PREFERRED.
 2. BUS STOP LOCATIONS SHALL BE COORDINATED WITH RTO SERVICE PLANNING AND LOCAL AGENCIES.
 3. BUS PAD INSTALLATION IS DETERMINED BY PAVING DESIGN, SOIL AND SUBGRADE CONDITIONS, PREFERENCES OF LOCAL AGENCIES, AND FUNDING AVAILABILITY.
 4. WIDTH OF BOARDING AREA CONCRETE BOARDING PAD SHALL BE 8' WHEN EXISTING ROAD IS AVAILABLE, OTHERWISE A MINIMUM WIDTH OF 6' IS REQUIRED.
 5. CONCRETE SHALL BE A MINIMUM THICKNESS OF 6".
 6. A 6" THICK CONCRETE SHELTER PAD SHALL BE PROVIDED 20' IN LENGTH AND 5' MINIMUM (7' DESIRABLE) FOR PLACEMENT OF BUS SHELTER. SET BACK A MINIMUM OF 6' IF DESIRABLE TO ALLOW FOR DEPLOYMENT OF LIFTS FROM BUSES FOR THE AID OF DISABLED PASSENGERS.
 7. FAR SIDE BUS STOPS SHALL HAVE FRONT OF BOARDING AREA PLACED 30' MINIMUM FROM FACE OF CURB OF THE EXISTING CROSS STREET.
 8. NEAR SIDE BUS STOPS SHALL HAVE FRONT OF BOARDING AREA PLACED 30' MINIMUM FROM FACE OF CURB OF THE EXISTING CROSS STREET.
 9. CONCRETE BOARDING AREA SHALL BE PROVIDED ENTIRE 30' FROM FACE OF EXISTING WALK TO BACK OF CURB WHEN BUS SHELTER IS INSTALLED.

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MODIFIED CURB INLET TYPE R
 STANDARD PLAN NO. M-604-12
 Sheet No. 1 of 2

GENERAL NOTES:
 1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
 2. CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 IN. THICK.
 3. INLET STEPS SHALL BE IN CONFORMANCE WITH AASHTO W 199.
 4. CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
 5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4" IN CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER BEYOND THE TRANSITION GUTTER.
 6. REINFORCING BARS SHALL BE DETORDED AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
 7. DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
 8. MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.
 9. SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
 10. STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.

TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

MARK	BAR #	O.C. SPACING	ALL INLETS		INLETS: H ≤ 5 FT.				INLETS: H > 5 FT.				
			NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	
401	4	11"	15	7	13	7	13	7	13	7	13	7	13
402	4	11"	7	13	13	7	13	7	13	7	13	7	13
403	4	9"	7	13	13	7	13	7	13	7	13	7	13

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	CONC. STEEL CU. YDS.	STEEL LBS.	CONC. STEEL CU. YDS.	STEEL LBS.	CONC. STEEL CU. YDS.	STEEL LBS.
3'-0"	2'-8"	15	7	13	7	3.2	285	5.3	497	7.4	706
3'-6"	3'-2"	10	7	10	7	3.4	302	5.7	528	7.9	747
4'-0"	3'-8"	12	9	9	9	3.7	326	6.0	559	8.4	786
4'-6"	4'-2"	12	9	9	9	3.9	334	6.4	571	8.8	803
5'-0"	4'-8"	14	11	11	11	4.1	354	6.7	602	9.3	844

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 Creation Date: 07/04/06 Initials: SRJ
 Last Modification Date: 02/04/06 Initials: LTA
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 Drawing File Name: 6040120202.dwg
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 Project Development Branch SRJ/LTA

MODIFIED CURB INLET TYPE R
 STANDARD PLAN NO. M-604-12
 Sheet No. 2 of 2

GENERAL NOTES:
 1. STATIONING BASED ON EVEN CENTERLINE (CL) STATIONING (2+00, 2+25, 2+50...)
 2. 25' STATION INTERVALS (MIN.)
 3. CROSS SLOPES SHALL BE CALCULATED FROM THE CROWN TO THE EDGE OF PAVEMENT
 4. SHOW GRADE BREAKS (GB), HIGH POINTS (HP), AND LOW POINTS (LP) ON DETAILS
 5. MAXIMUM CROSS SLOPE TRANSITION WITHIN 25' INTERVALS SHALL BE 1.5%

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Sheet Revisions

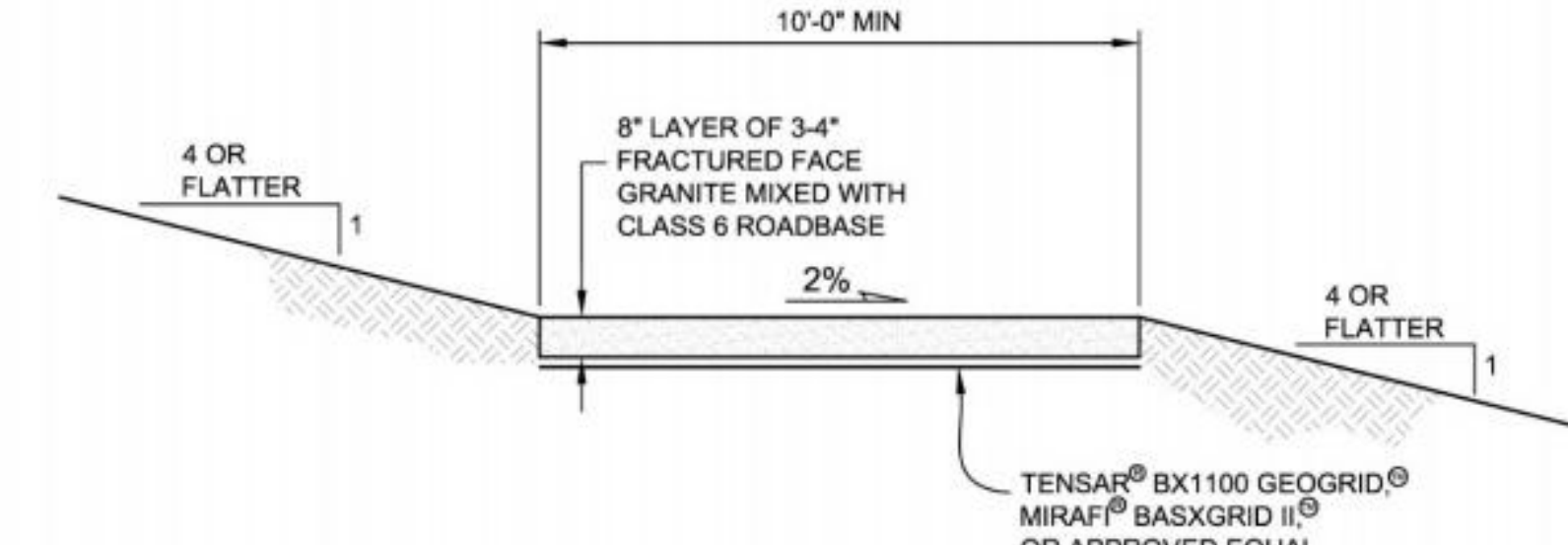
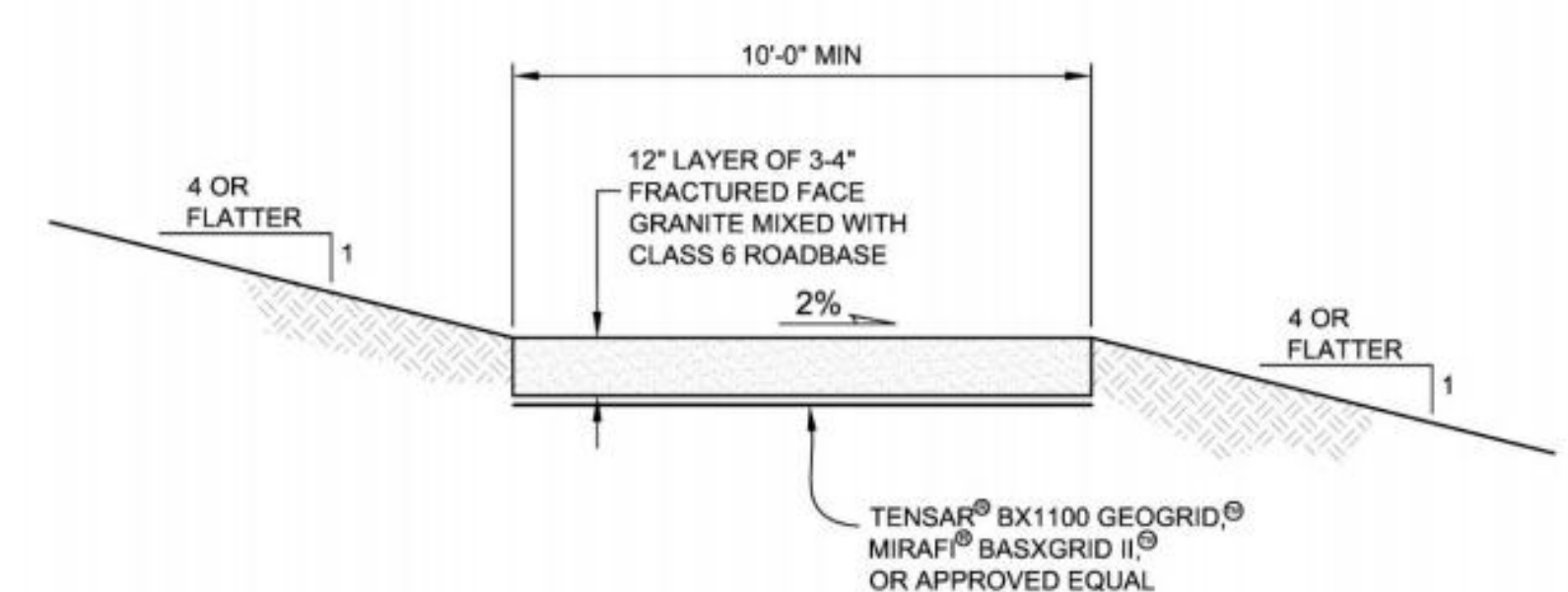
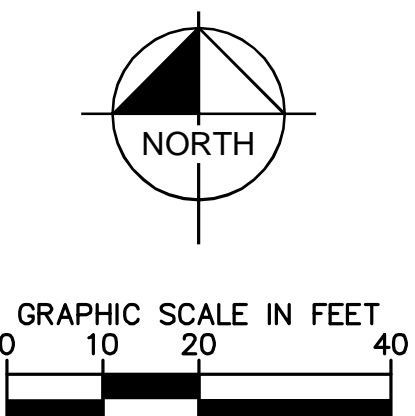
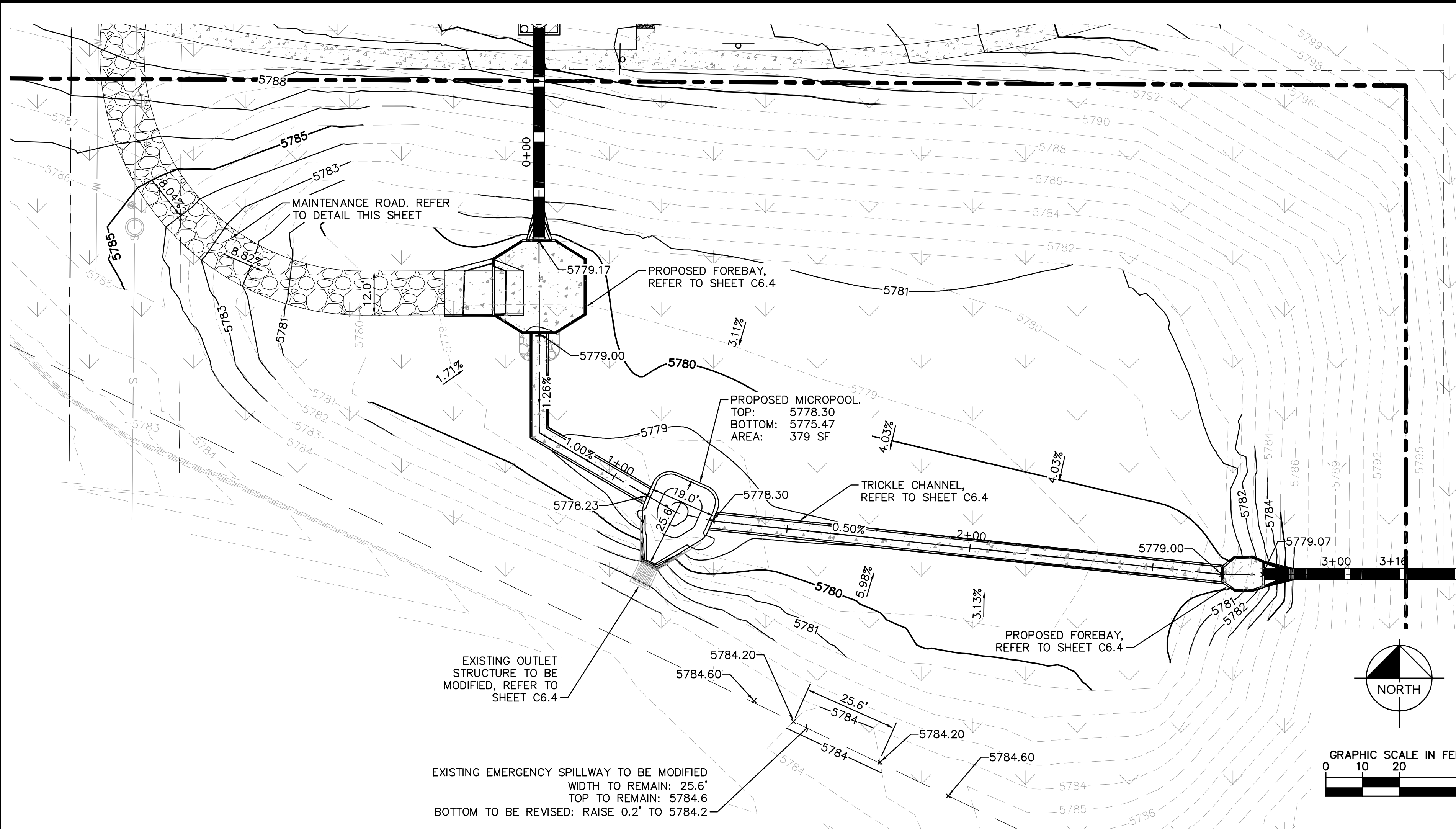
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MODIFIED CURB INLET TYPE R
 STANDARD PLAN NO. M-604-12
 Sheet No. 2 of 2

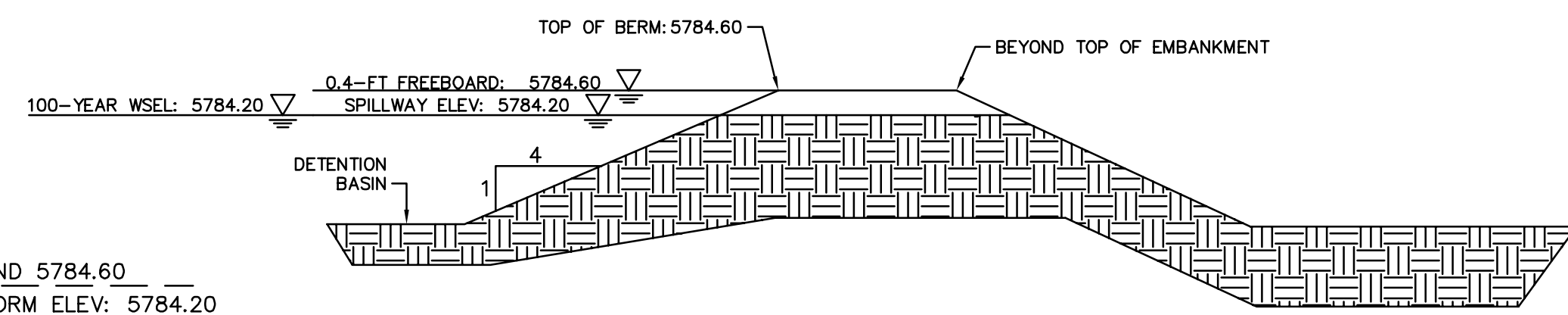
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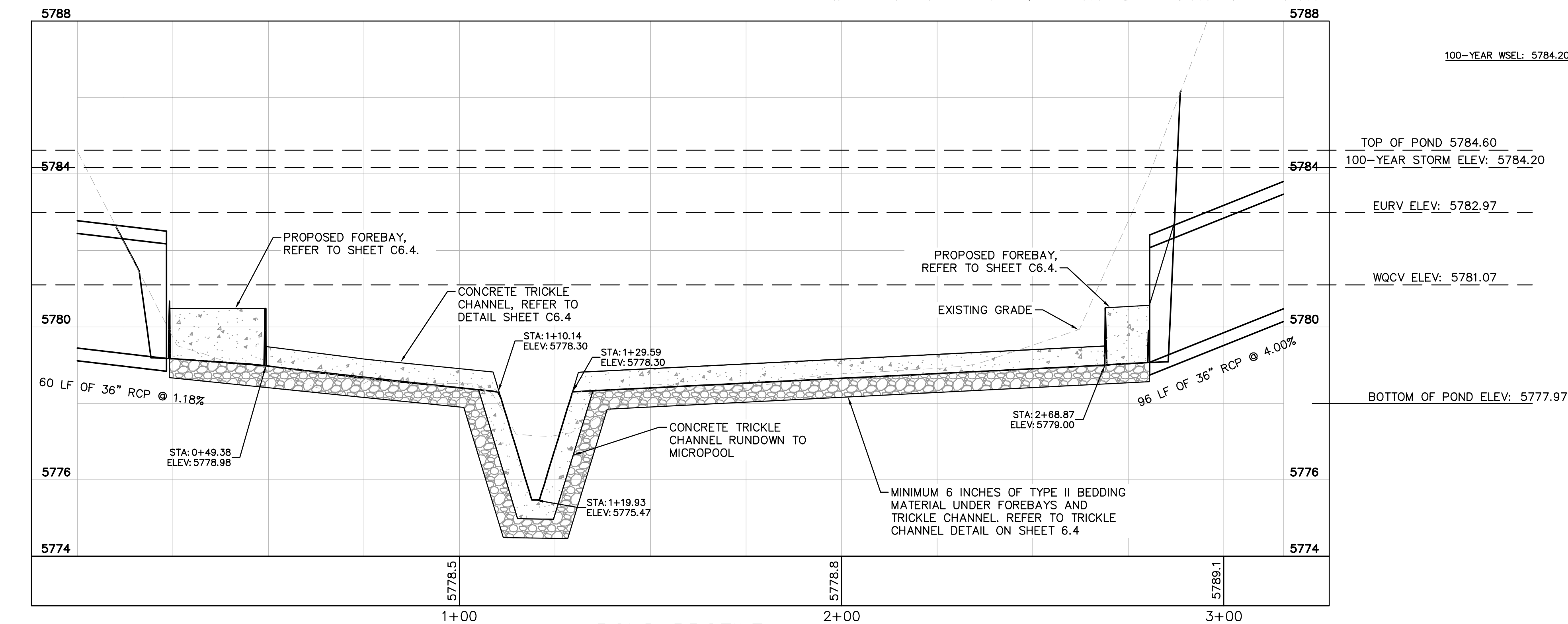
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MAINTENANCE ROAD DETAILS
N.T.S.



MODIFIED EXISTING SPILLWAY DETAIL
N.T.S.



POND PROFILE
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

NO.	REVISION	BY	DATE	APPR

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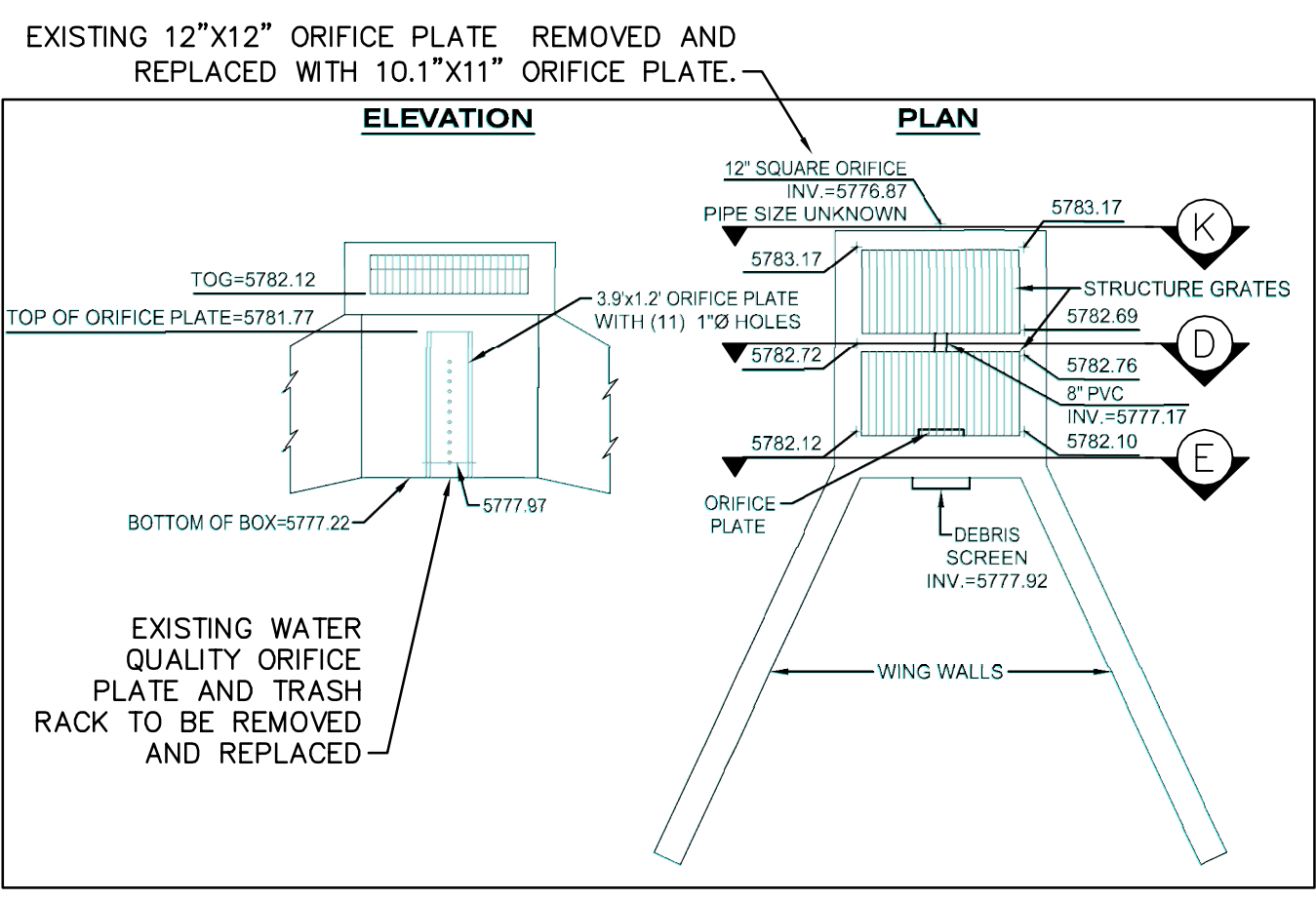
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 PARKER, CO
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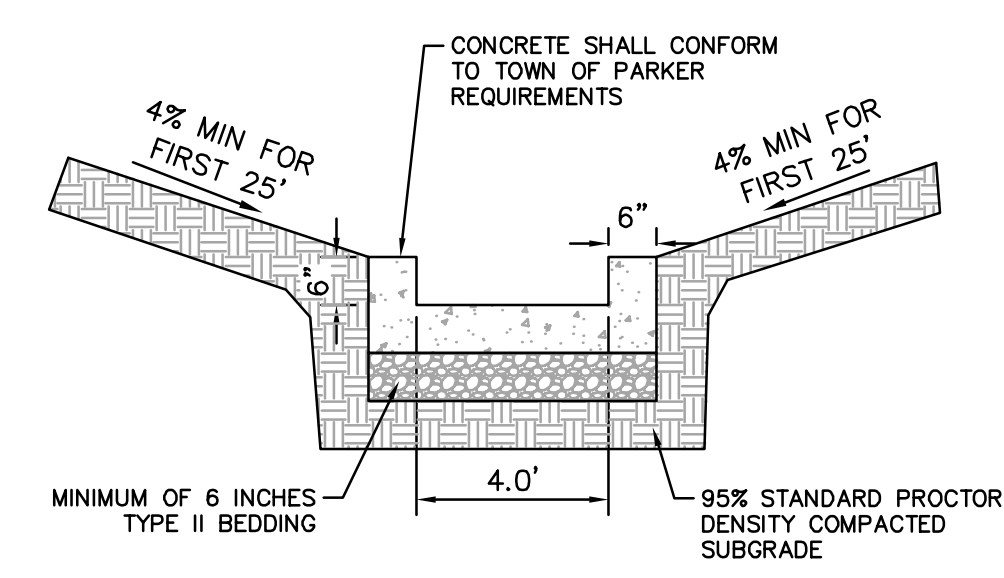
PROJECT NO.
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 DRAWING NAME
 096502001ST_DET

C6.3

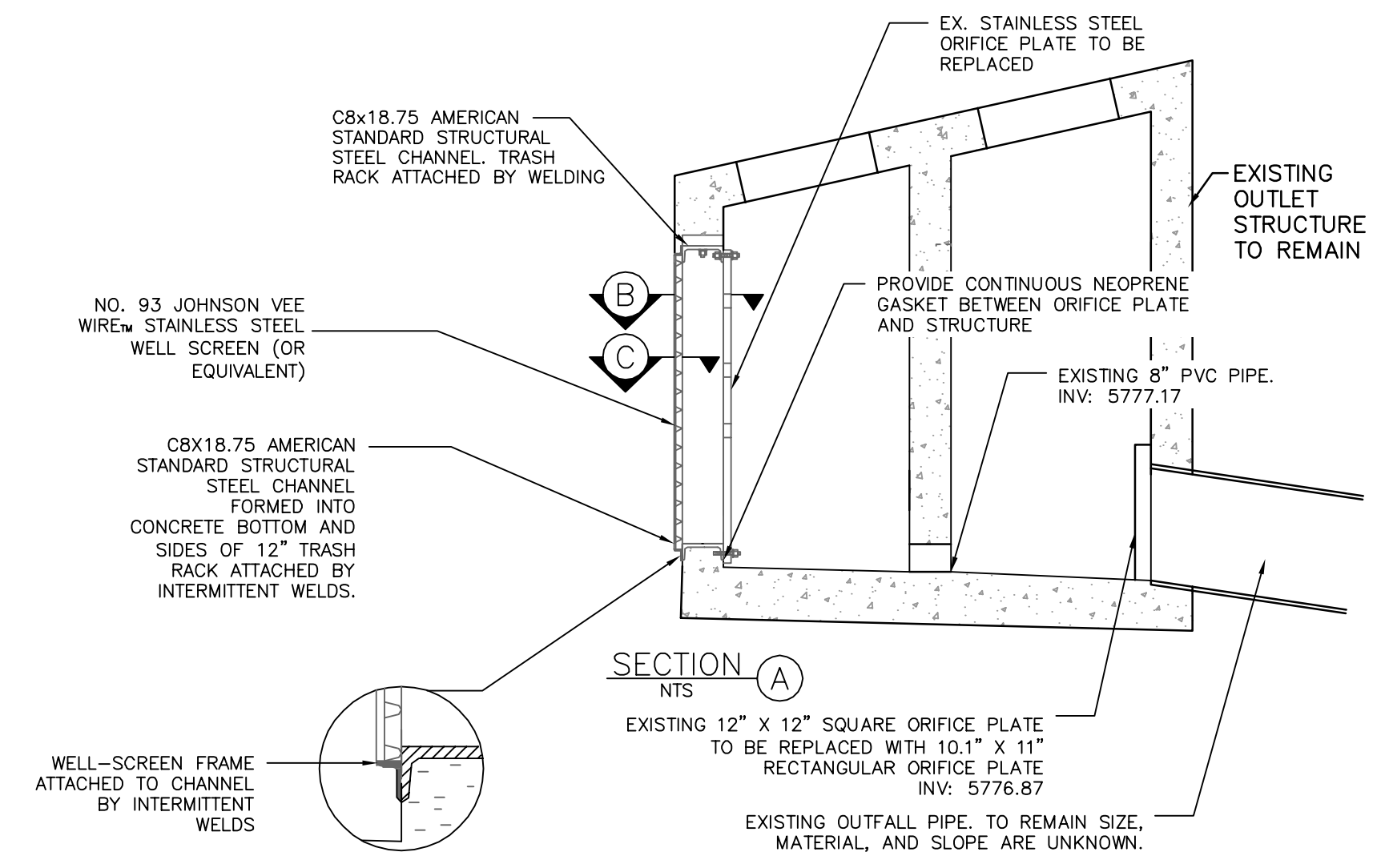




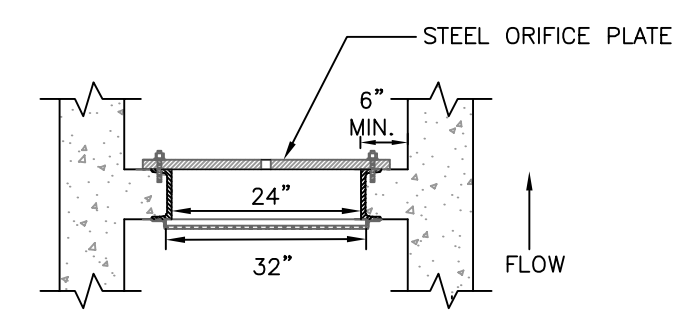
J EXISTING OUTLET STRUCTURE
SCALE: 1" = 5'



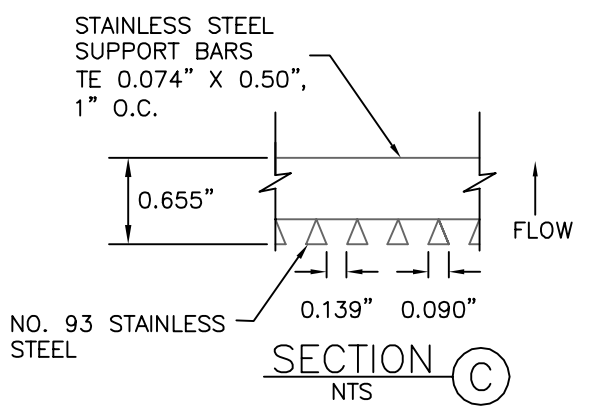
G TRICKLE CHANNEL
N.T.S.



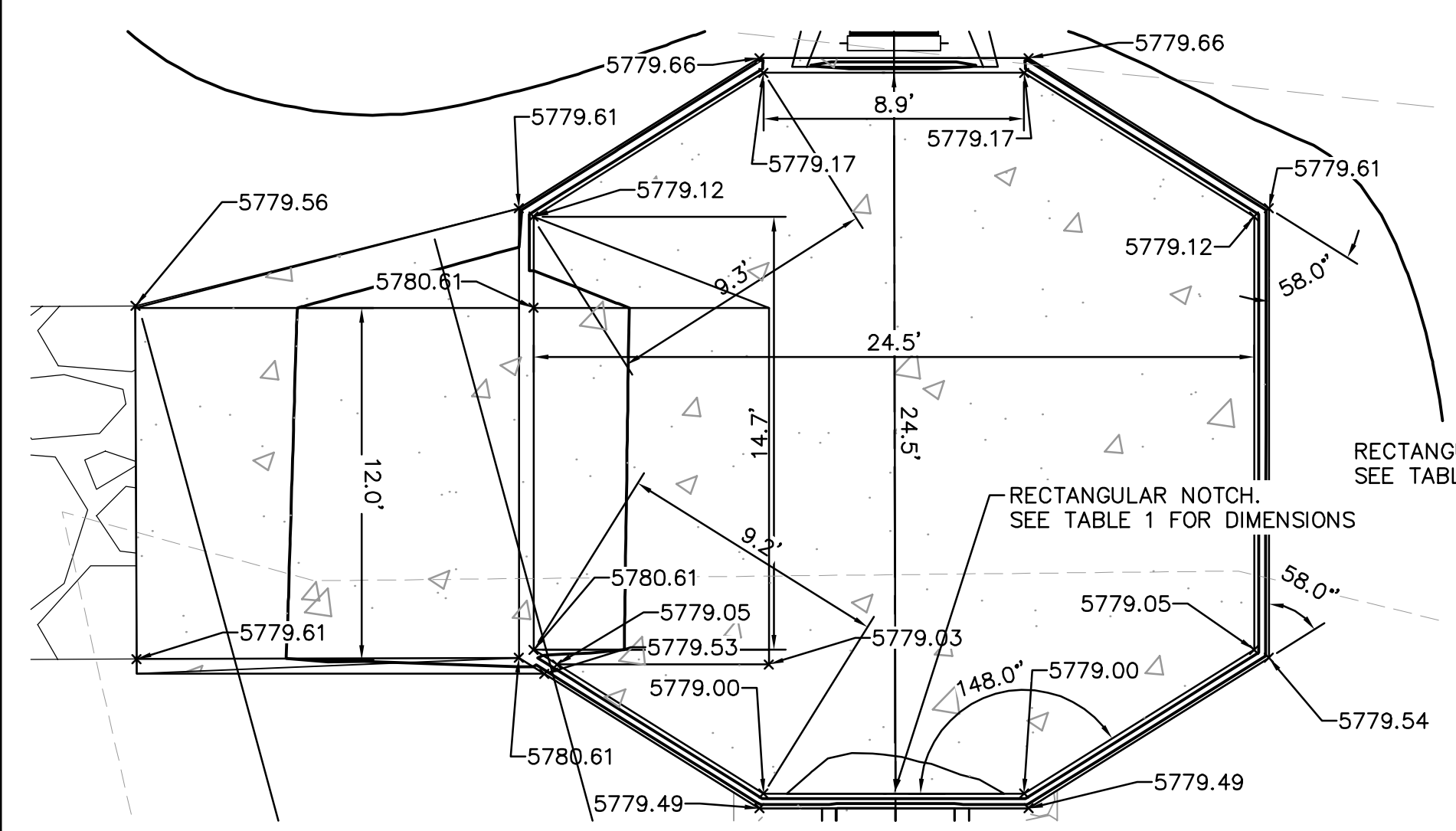
F EXISTING OUTLET STRUCTURE WITH MODIFIED ORIFICE PLATE
N.T.S.



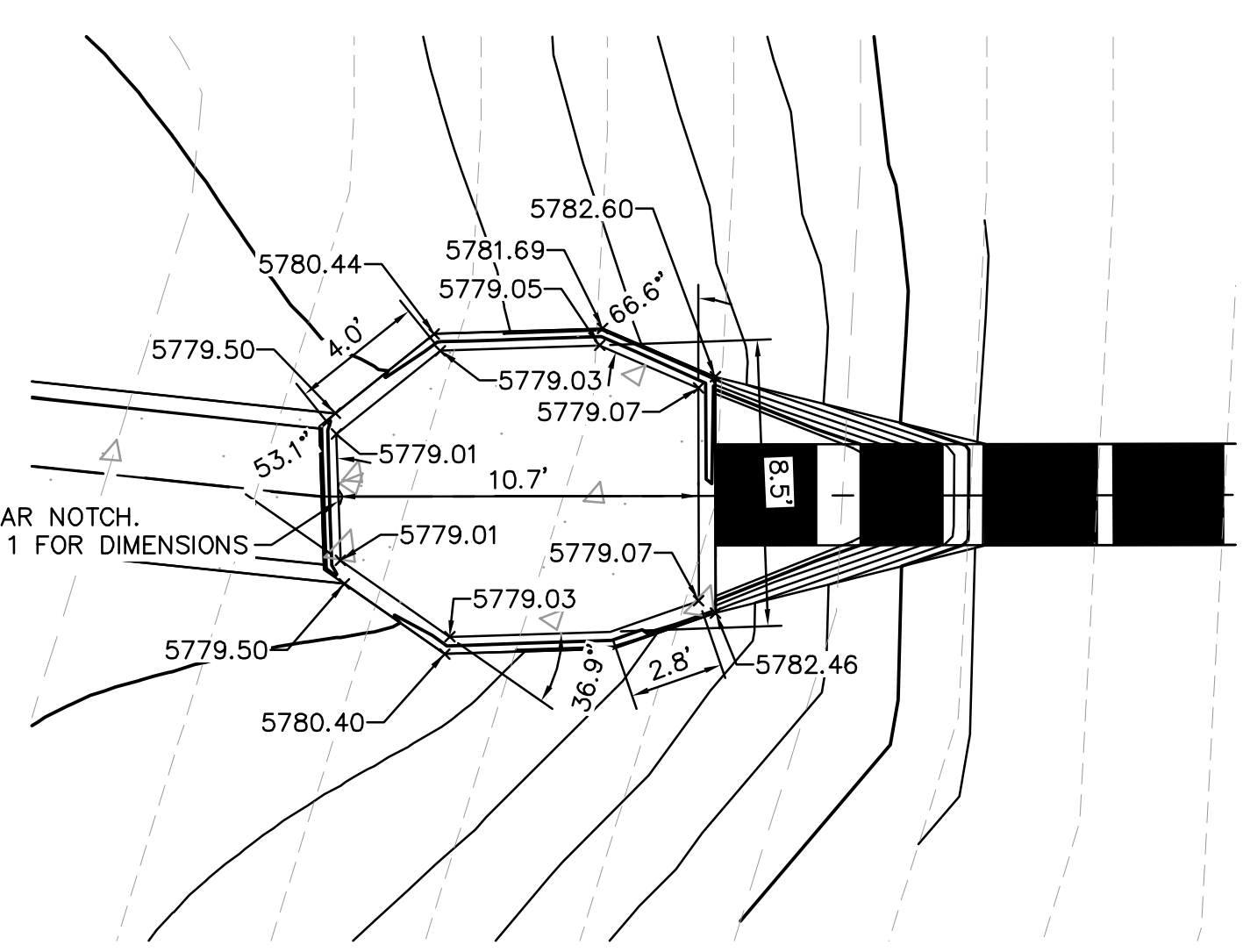
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C

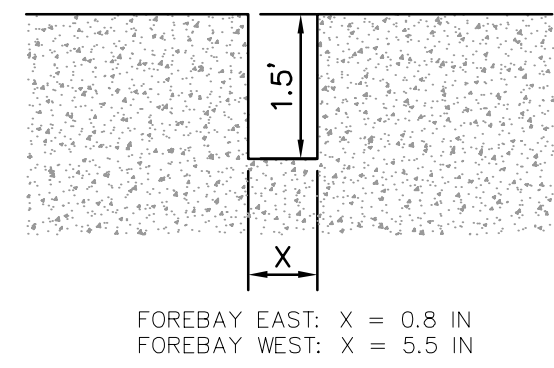


H FOREBAY WEST
1" = 5'

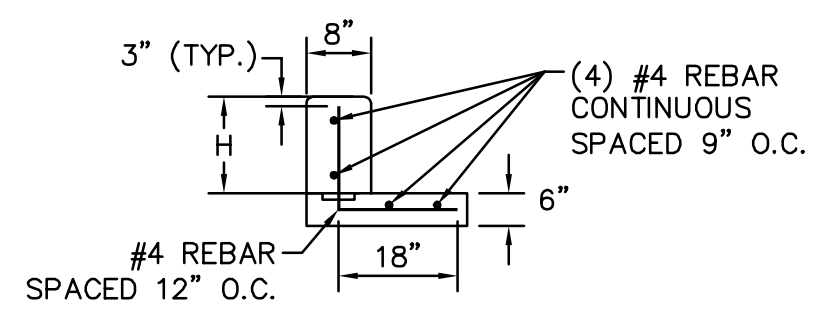


I FOREBAY EAST
1" = 5'

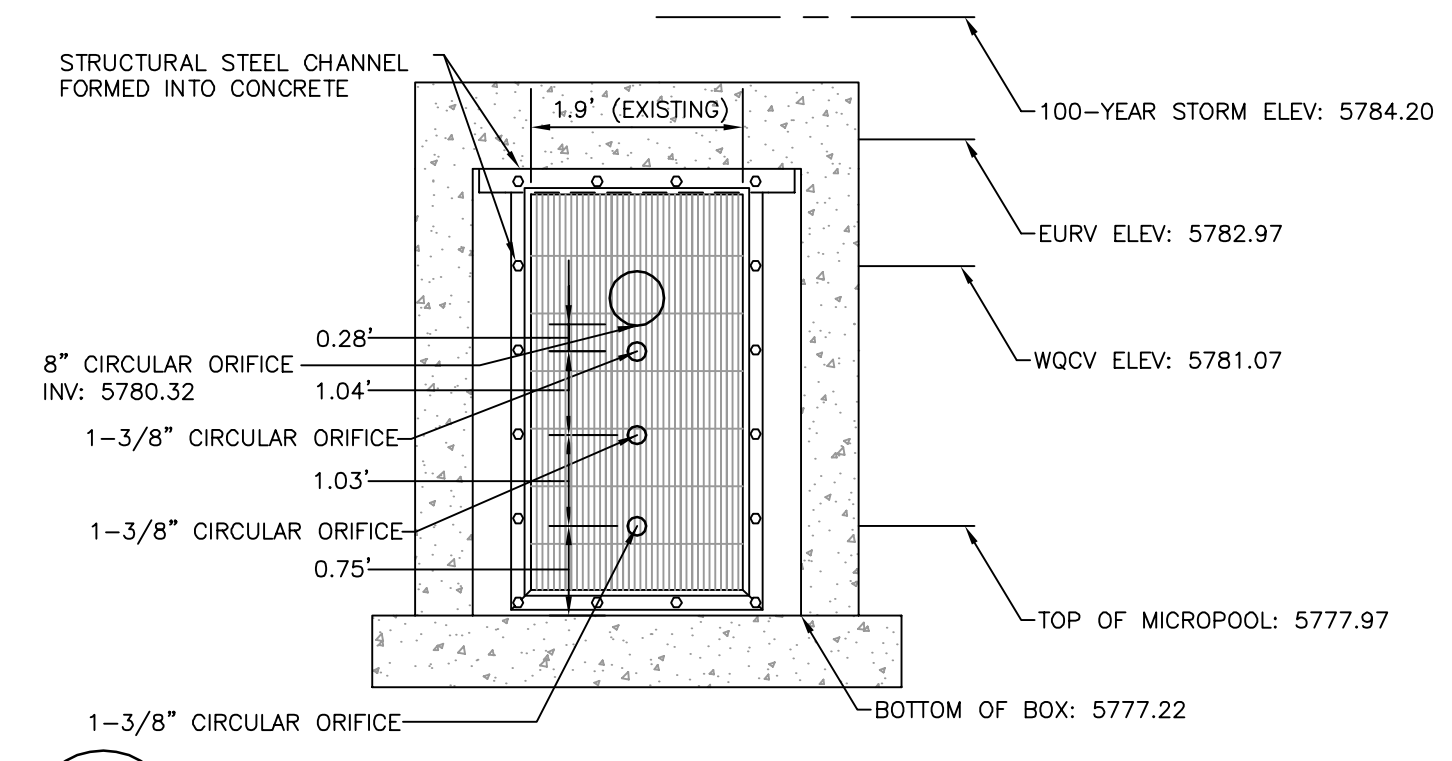
Forebay ID	WATERSHED AREA (AC)	WQCV (CF)	REQUIRED VOLUME (CF)	FOREBAY SIZE (SF)	REQUIRED HEIGHT (INCHES)	PROVIDED HEIGHT (INCHES)	Q ₁₀₀ (cfs)	REQUIRED RELEASE RATE (cfs)	REQUIRED NOTCH WIDTH (INCHES)	ACTUAL NOTCH WIDTH (INCHES)	ACTUAL RELEASE RATE (cfs)
West	13.94	14,295	286	523	6.6	18.0	119.14	2.38	5.5	5.5	2.53
East	2.22	2,277	46	80	6.8	18.0	16.06	0.32	0.75	0.8	0.36



L FOREBAY NOTCH DETAIL
N.T.S.

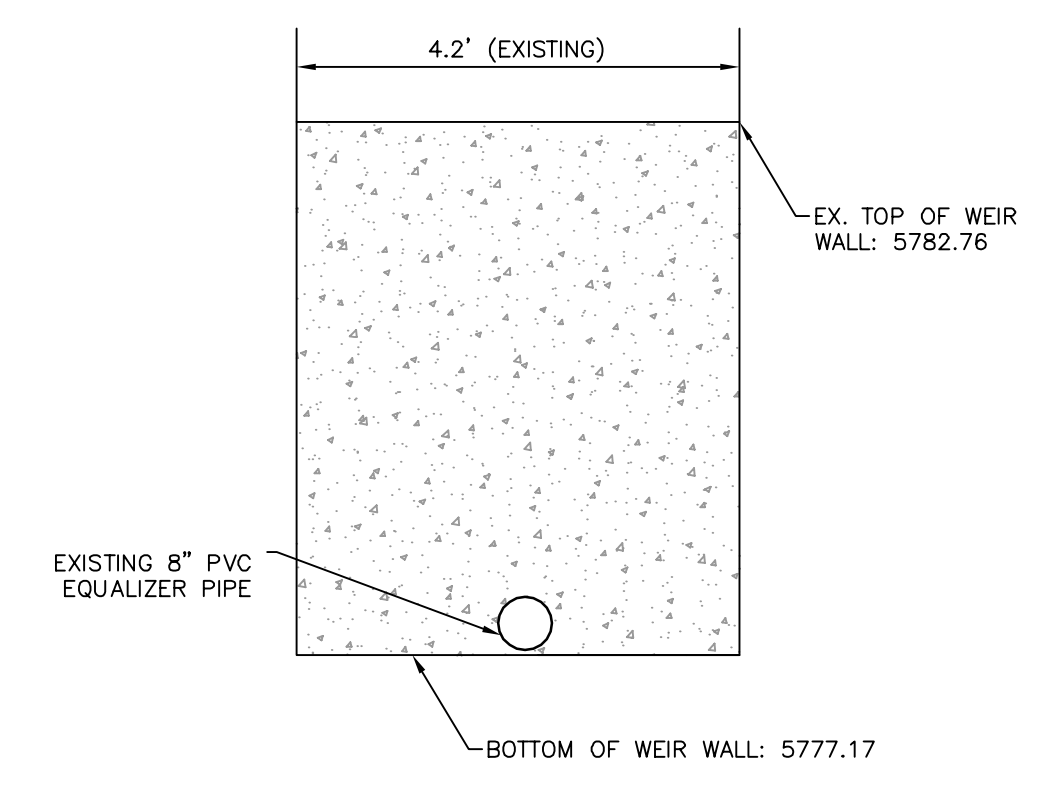


N FOREBAY WALL SECTION TYPICAL DETAIL
NTS

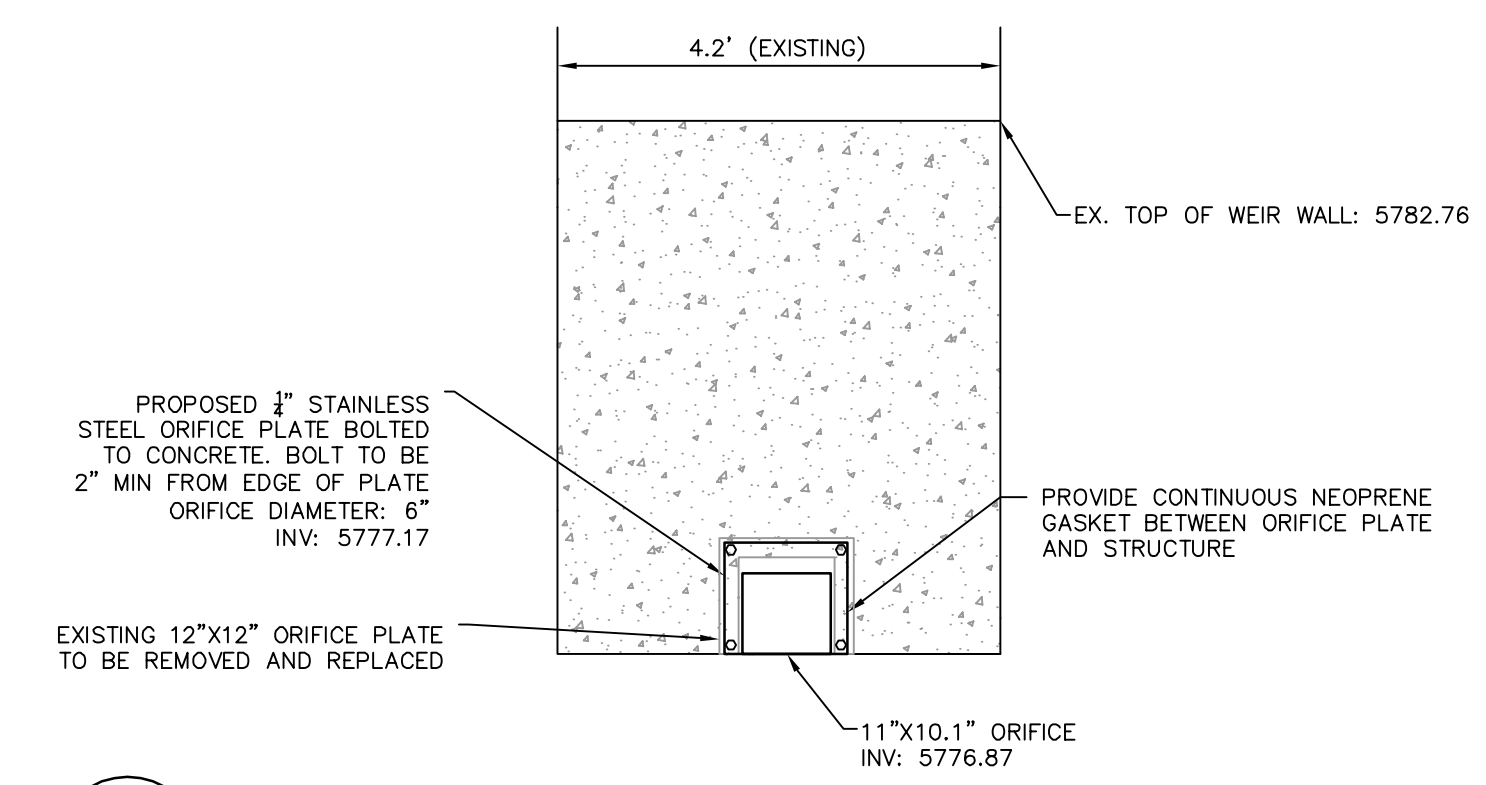


E ORIFICE PLATE AND TRASH RACK DETAIL
N.T.S.

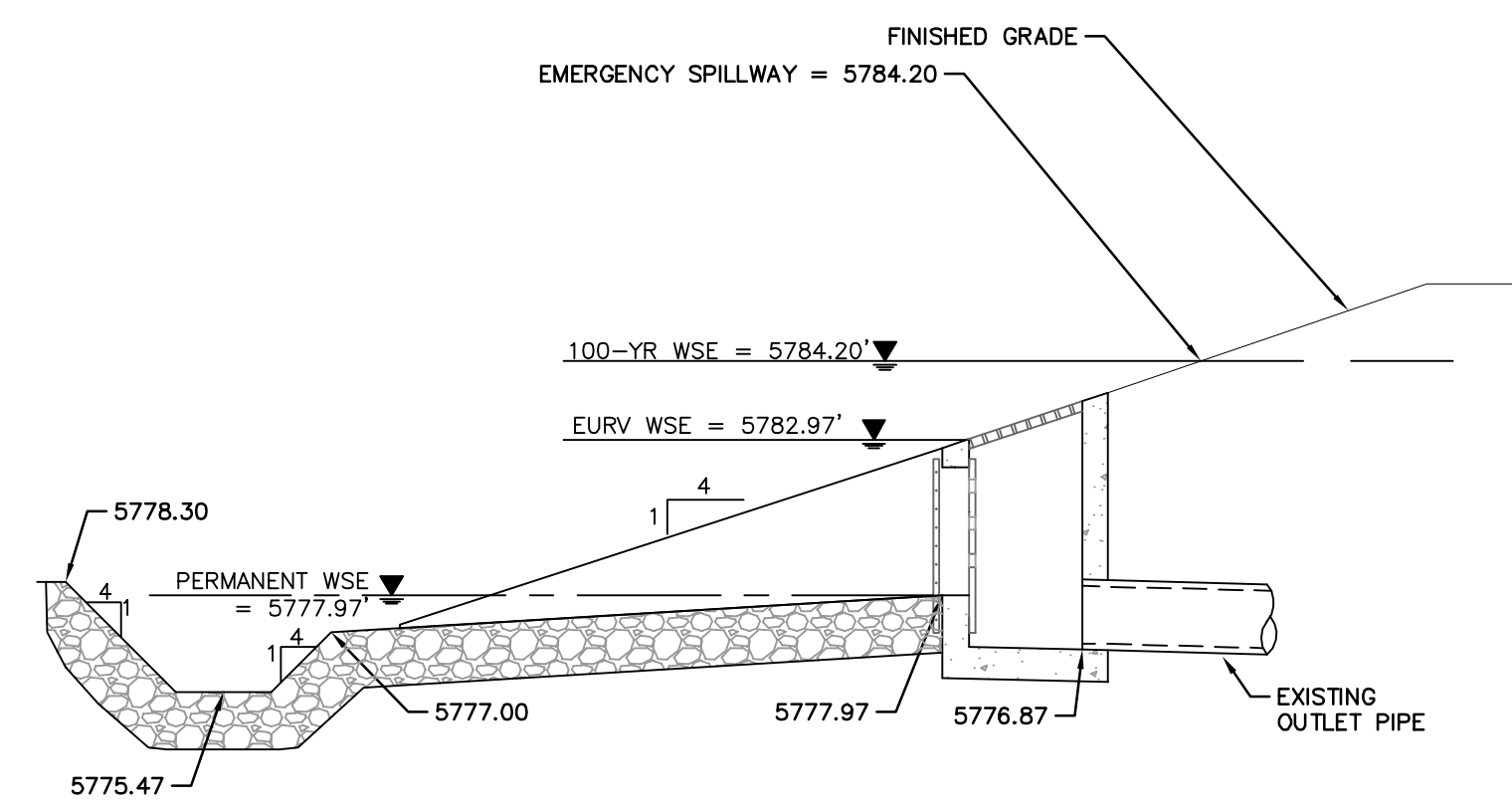
- ORIFICE PLATE NOTES:**
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND THE CONCRETE.
 2. BOLT PLATE TO CONCRETE 12" MAX ON CENTER.
- EURV AND WQCV TRASH RACKS**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
 3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO.
 4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



D EXISTING INTERNAL WEIR TO REMAIN
N.T.S.



K MODIFIED ORIFICE PLATE
N.T.S.



M MICROPOOL
N.T.S.

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096502001

DRAWING NAME
096502001ST_DET

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