

Madison, Wisconsin

INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTIONS & DETAILS
D1	RAIN GARDEN DETAILS
RG1-RG2	EROSION CONTROL PLAN & PROFILES
EC1-EC7	STREET PLAN & PROFILES
P1-P8	SEWERS PLAN & PROFILES
U1-U7	STORM & SANITARY SEWER SCHEDULE
U8-U12	ELECTRICAL PLAN
E1	PAVEMENT MARKING PLAN
PM1	CROSS SECTIONS

NO MAINTENANCE PLAN WITH THIS PROJECT

SHEET NO. W1 WATER PLAN & PROFILE
(ADDED WITH REV 3/21/2022)

PROJECT LOCATION

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	■
COMBUSTIBLE FLUIDS	☀

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAPMS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12", SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

CITY OF MADISON

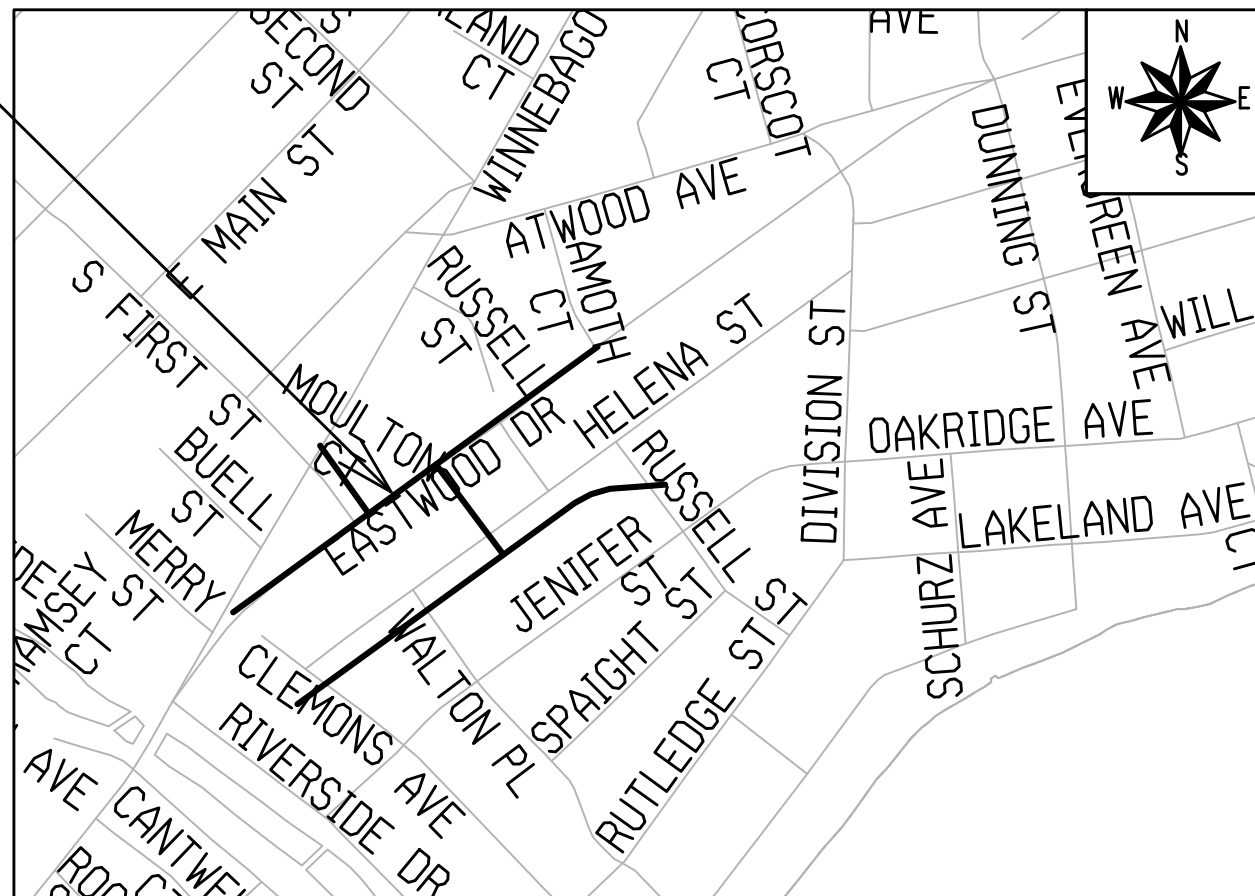
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICT - 2021

CITY PROJECT NO. 11189
CONTRACT NO. 8569



EARTH WORK SUMMARY:

EXCAVATION CUT(MEASURED PLAN QUANTITY) = 4,220 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT FOR ROAD = 2,170 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT FOR PIPES = 240 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT = 6,630 C.Y.

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: MAY 4, 2021

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Greg Fries

May 27, 2021

City Engineer

Date

STREET
DESIGNED BY:



May 27, 2021

STORM & SANITARY SEWER
DESIGNED BY:



May 27, 2021

SIGNAL & LIGHTING
DESIGNED BY:



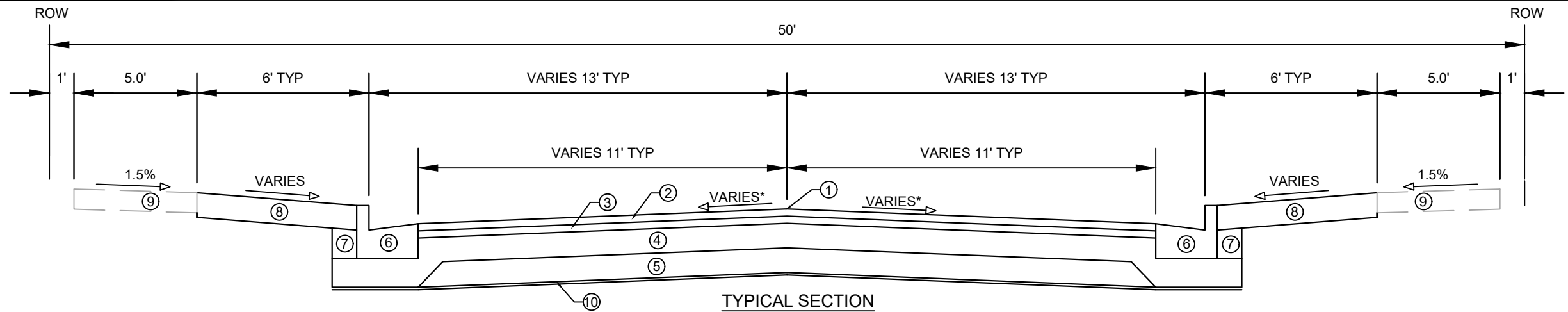
May 27, 2021

PLOT SCALE: 1 IN=1 FT_XREF

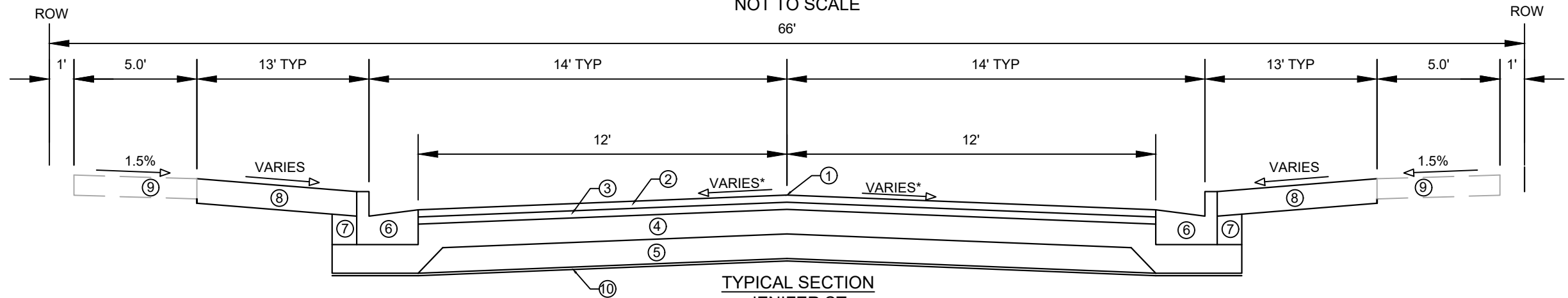
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REV. DATE: 5/27/2021 10:21 AM

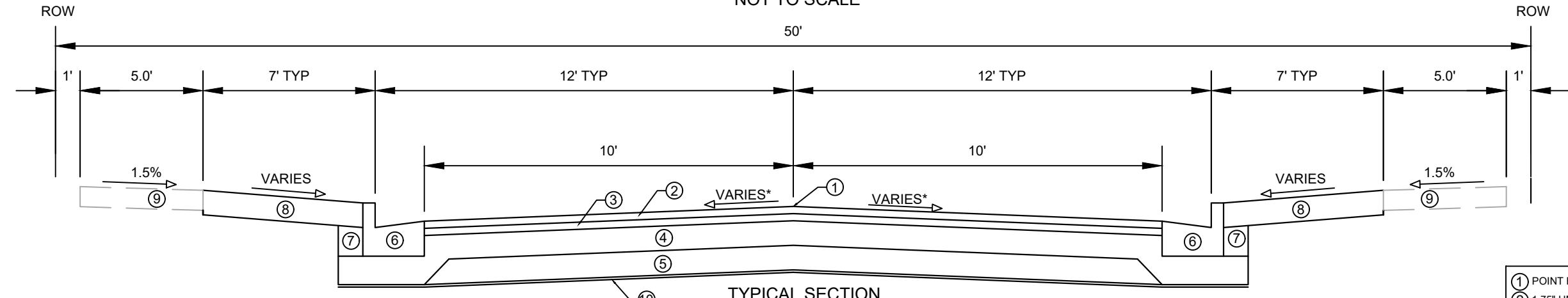
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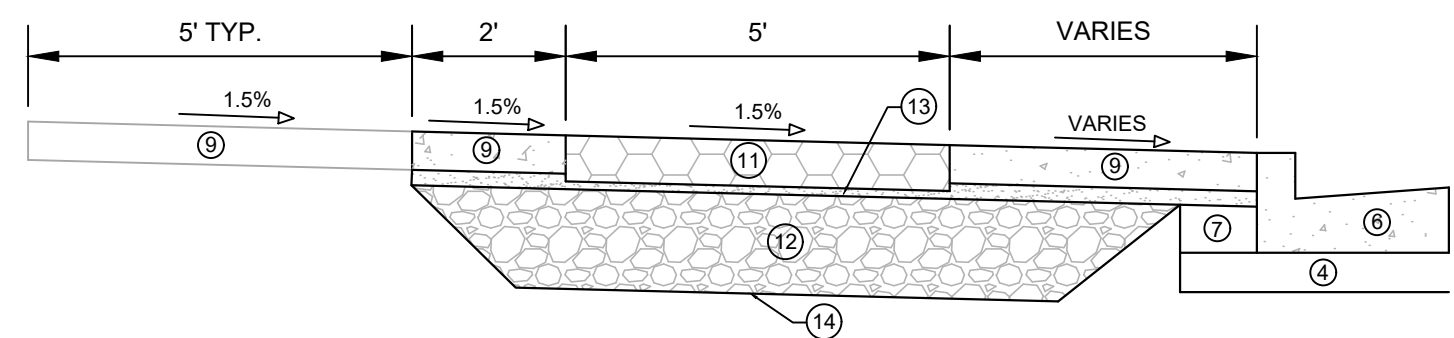
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NOT TO SCALE



TYPICAL SECTION
JENIFER ST
NOT TO SCALE



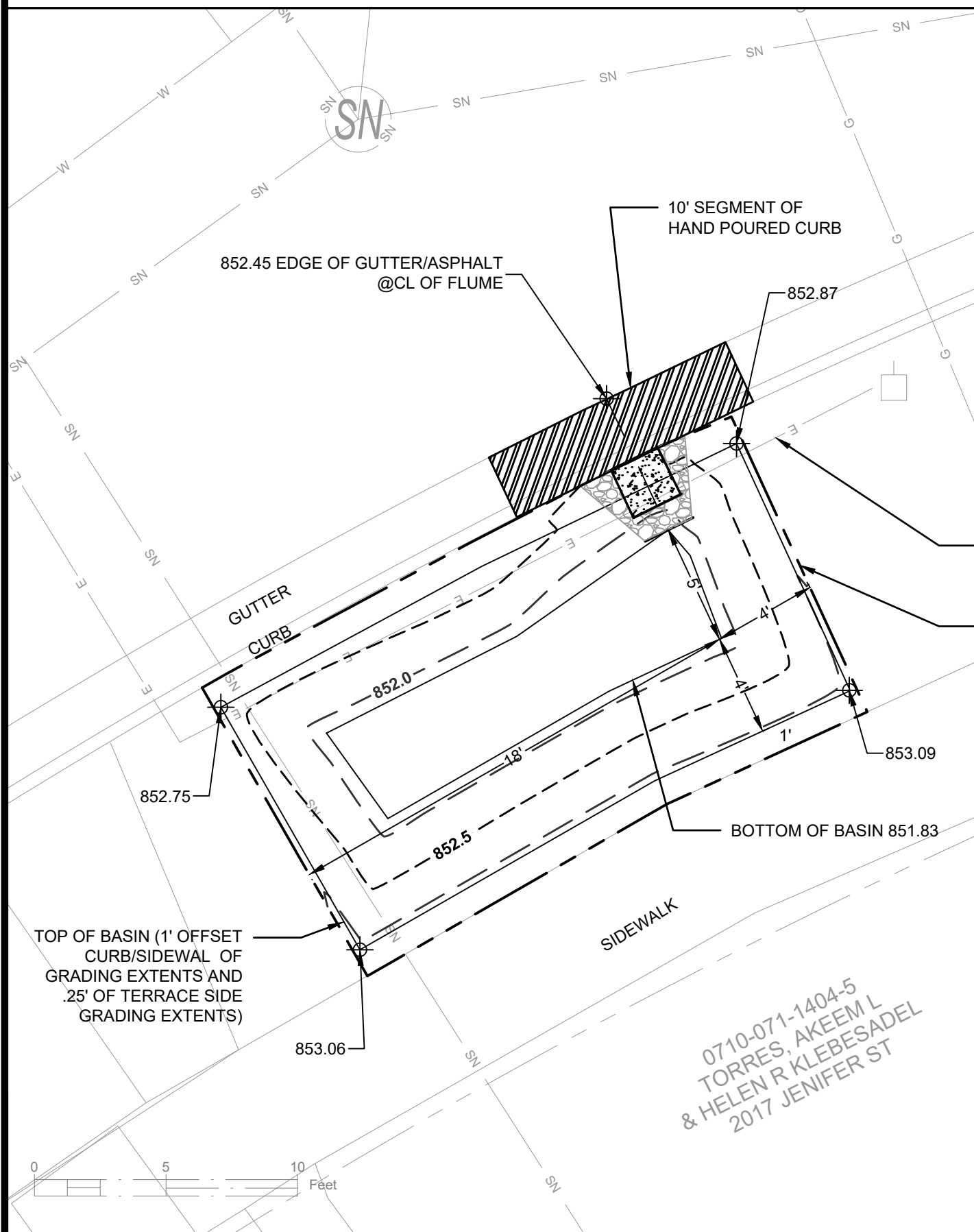
TYPICAL SECTION
RUSSELL ST
NOT TO SCALE



PERVIOUS CONCRETE DETAIL
NOT TO SCALE

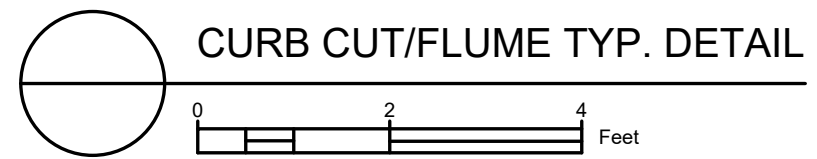
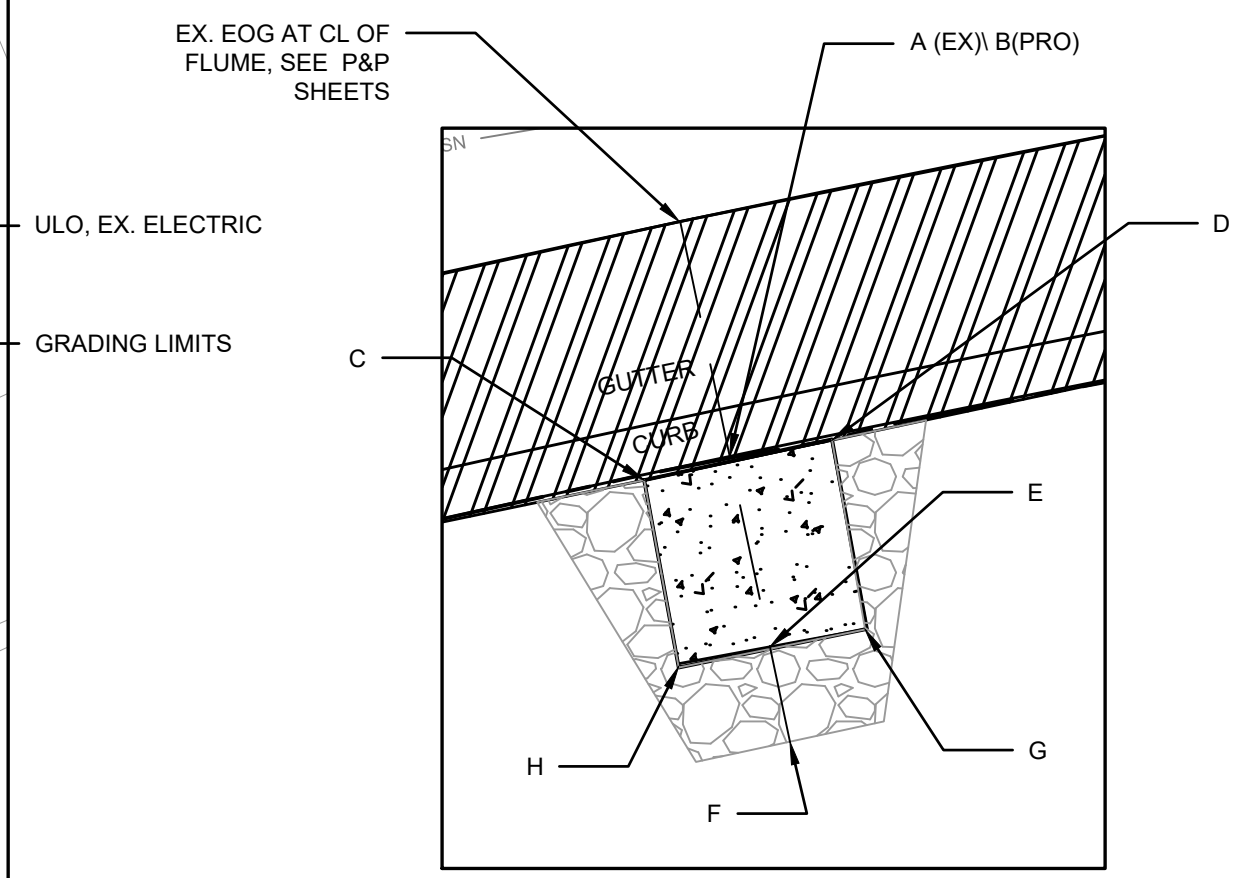
- ① POINT REFERRED TO ON PROFILE
 - ② 1.75" HMA PAVEMENT - TYPE 4 LT 58-28 S
 - ③ 1.75" HMA PAVEMENT -TYPE 4 LT 58-28 S
 - ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
 - ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
 - ⑥ CONCRETE CURB AND GUTTER TYPE 'A' OR 'X' (SEE PLAN)
 - ⑦ FILL, INCIDENTAL (SELECT FILL UNDER SIDEWALK)
 - ⑧ RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED AND MATTING
 - ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
 - ⑩ GEOSYNTHETIC REINFORCEMENT FABRIC
 - ⑪ 6" PRECAST PERVIOUS CONCRETE PANEL
 - ⑫ 18" OF 1" CLEAR STONE
 - ⑬ 1"-1.5" MIN #7 CRUSHED STONE, OPEN GRADED LEVELING LAYER, WITH GEOGRID PER MANUFACTURER, INCLUDED W/ PERVIOUS CONC
 - ⑭ NON-WOVEN TYPE SAS FABRIC
- *SEE CROSS SECTIONS FOR PAVEMENT SLOPE

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CONSTRUCTION DETAILS									
TYPICAL SECTIONS									
MADISON, WI									
CONTRACT NO: 8569									
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11189									
D-1									



DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
		Pond depth (inches)	6
	Ex. EOG at CL of Flume	+0.125	852.45
A	Ex. Flow Line at CL of Flume	0	852.33
B	Pro. Gutter Flow Line at CL of Flume	-0.17	852.16
C	Edge of Flume @ Gutter (Uphill)	varies	852.34
D	Edge of Flume @ Gutter (Downhill)	varies	852.27
E	Bottom of Flume at CL	varies	851.99
F	Bottom of Stone/Pond	varies	851.83
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	852.26
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	852.19

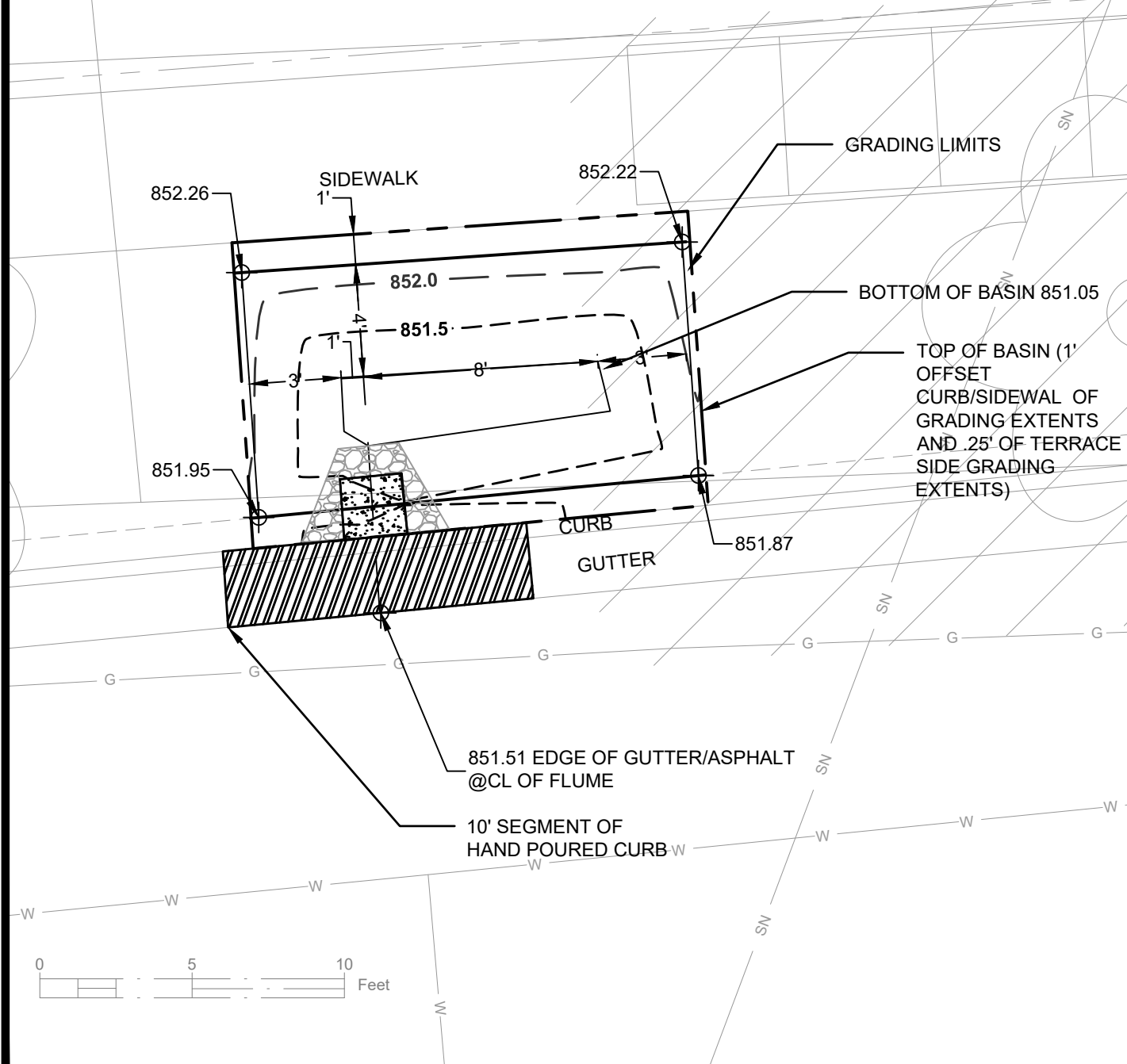


NOTES:
SEE SDD 2.14 AND 2.15

0710-071-1404-5
TORRES, AKEEM L
& HELEN R KLEBESADEL
2017 JENIFER ST

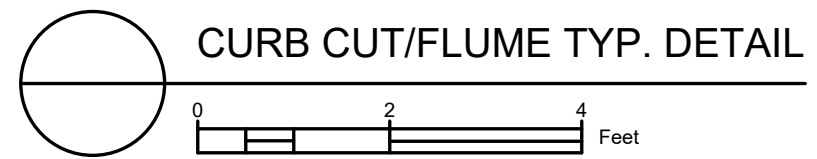
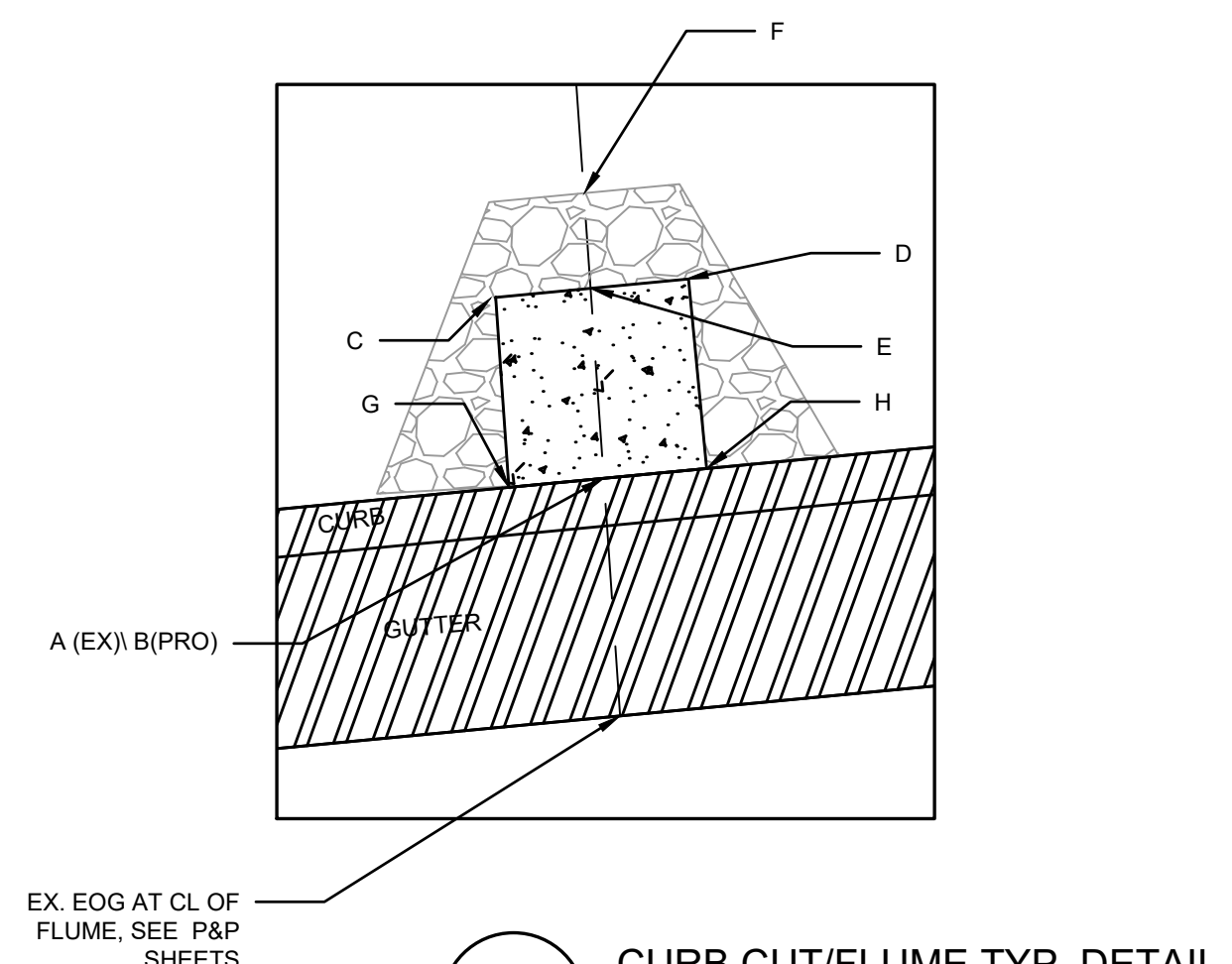
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TERRACE RAIN GARDEN 2017 JENIFER ST			HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021			MADISON, WI			RG-1
11189			8569			CONTRACT NO:			11189
CITY OF MADISON WISCONSIN			11189			RG-1			11189

0710-071-1522-5
 JENIFER STREET LLC
 2038 JENIFER ST



DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Pond depth (inches)	Elevation
		Distance from Existing FlowLine (ft)	
			4
	Ex. EOG at CL of Flume	+0.125	851.51
A	Ex. Flow Line at CL of Flume	0	851.39
B	Pro. Gutter Flow Line at CL of Flume	-0.17	851.22
C	Edge of Flume @ Gutter (Uphill)	varies	851.87
D	Edge of Flume @ Gutter (Downhill)	varies	851.57
E	Bottom of Flume at CL	varies	851.14
F	Bottom of Stone/Pond	varies	851.05
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	851.79
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	851.48



NOTES:
 SEE SDD 2.14 AND 2.15



11189

TERRACE RAIN GARDEN 2038 JENIFER ST

HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI

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8569

CONTRACT NO:

11189

RG-2

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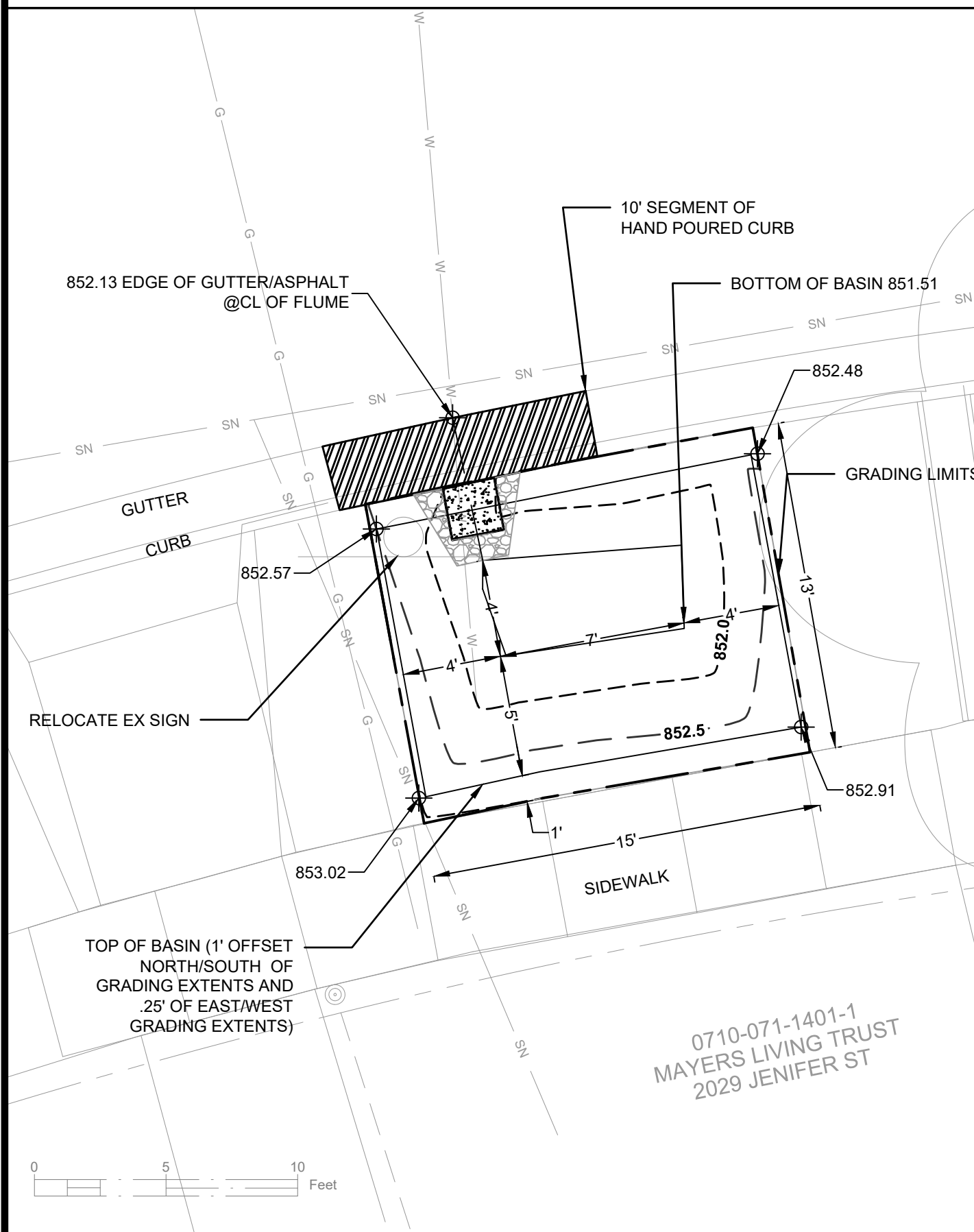
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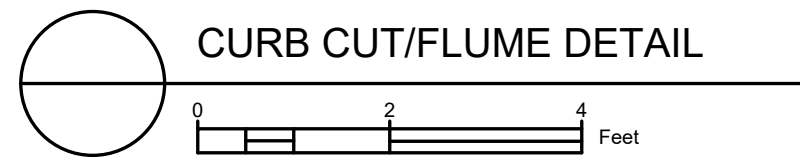
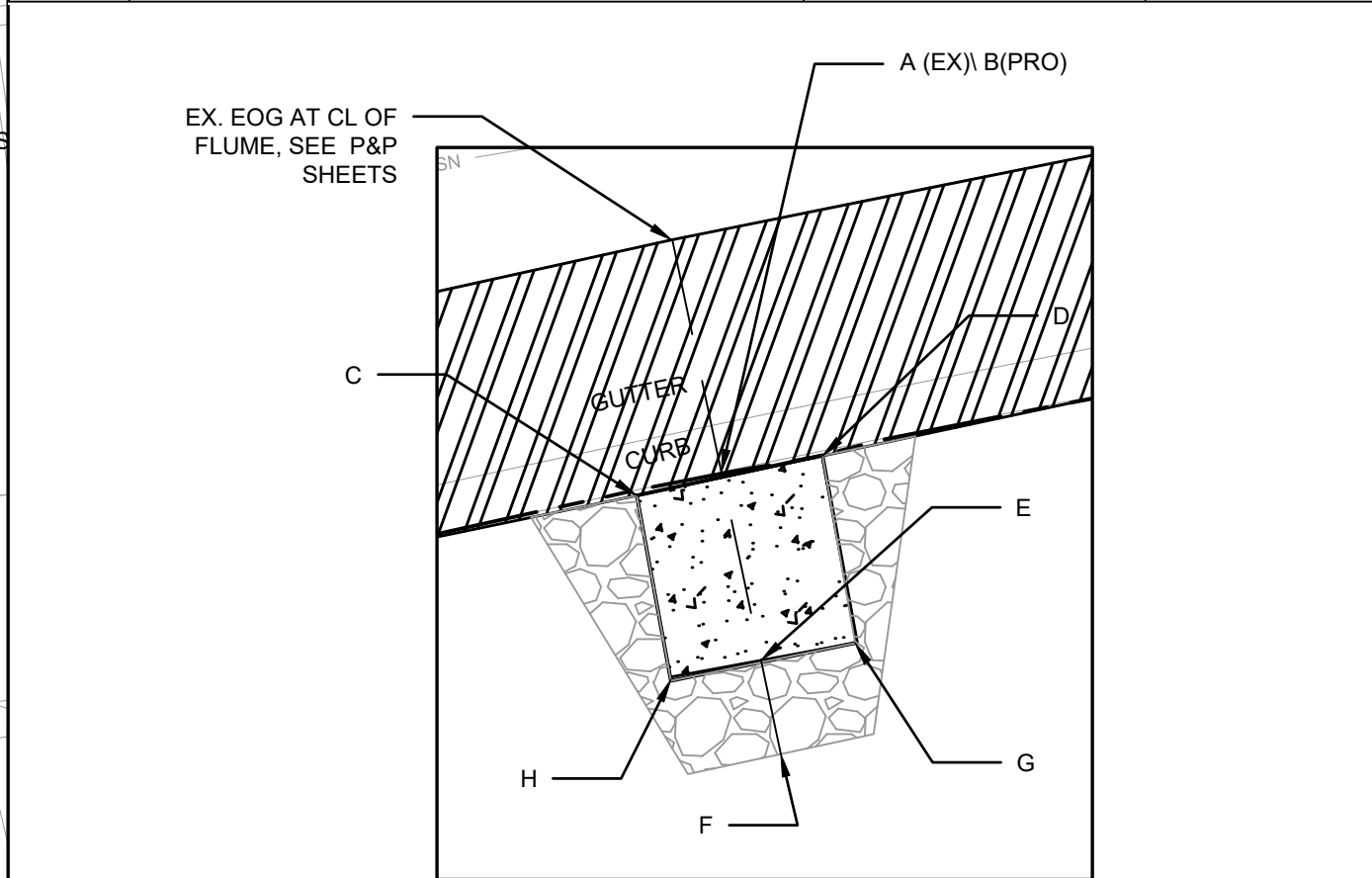
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RG-2




DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Pond depth (inches)	6
		Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	852.13
A	Ex. Flow Line at CL of Flume	0	852.01
B	Pro. Gutter Flow Line at CL of Flume	-0.17	851.84
C	Edge of Flume @ Gutter (Uphill)	varies	852.02
D	Edge of Flume @ Gutter (Downhill)	varies	851.95
E	Bottom of Flume at CL	varies	851.67
F	Bottom of Stone/Pond	varies	851.51
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	851.94
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	851.87

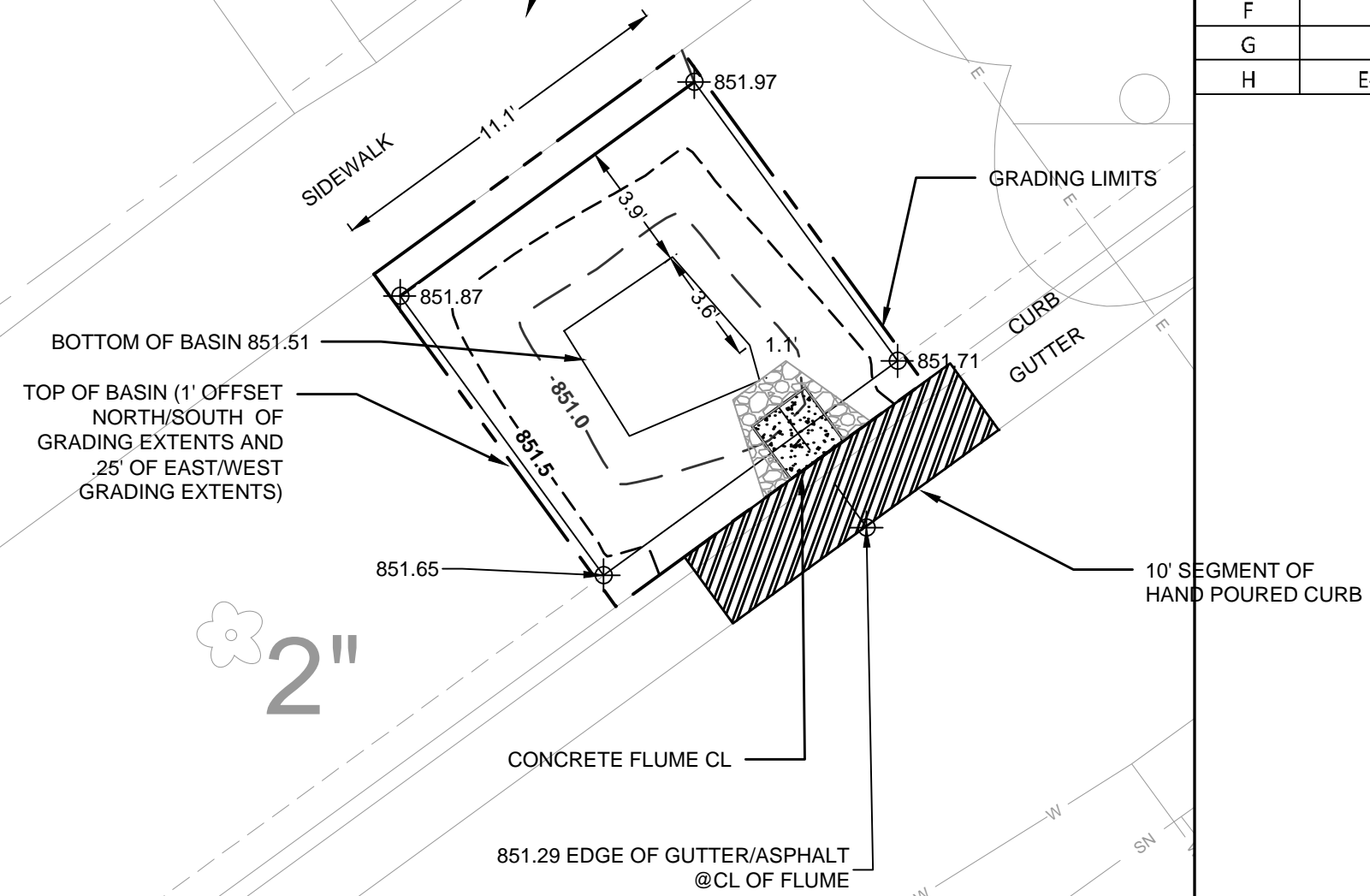


NOTES:
SEE SDD 2.14 AND 2.15

11189	TERRACE RAIN GARDEN 2029 JENIFER ST	11189
HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021	MADISON, WI	8569
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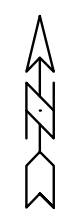
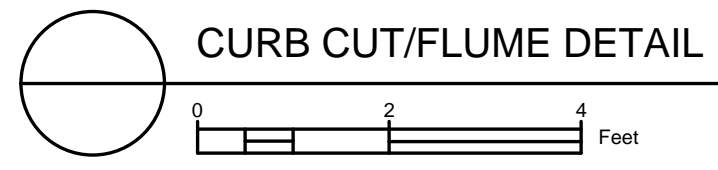
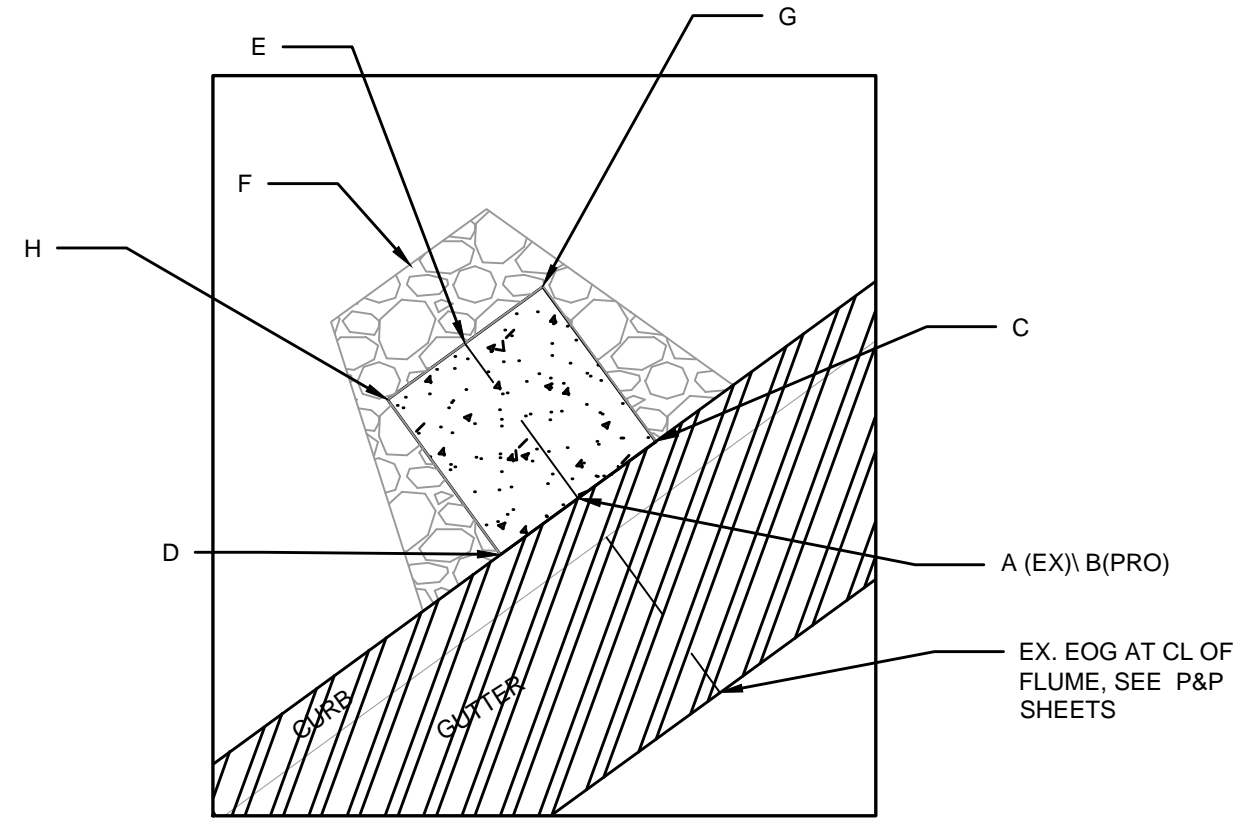
0710-071-1516-8
CAMPBELL, JANET L
2002 JENIFER ST

EX. GAS TO BE
RELOCATED (REFER
TO EXISTING
CONDITIONS



DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Pond depth (inches)	
		Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	851.29
A	Ex. Flow Line at CL of Flume	0	851.17
B	Pro. Gutter Flow Line at CL of Flume	-0.17	851.00
C	Edge of Flume @ Gutter (Uphill)	varies	851.18
D	Edge of Flume @ Gutter (Downhill)	varies	851.11
E	Bottom of Flume at CL	varies	850.83
F	Bottom of Stone/Pond	varies	850.67
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	851.10
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	851.03

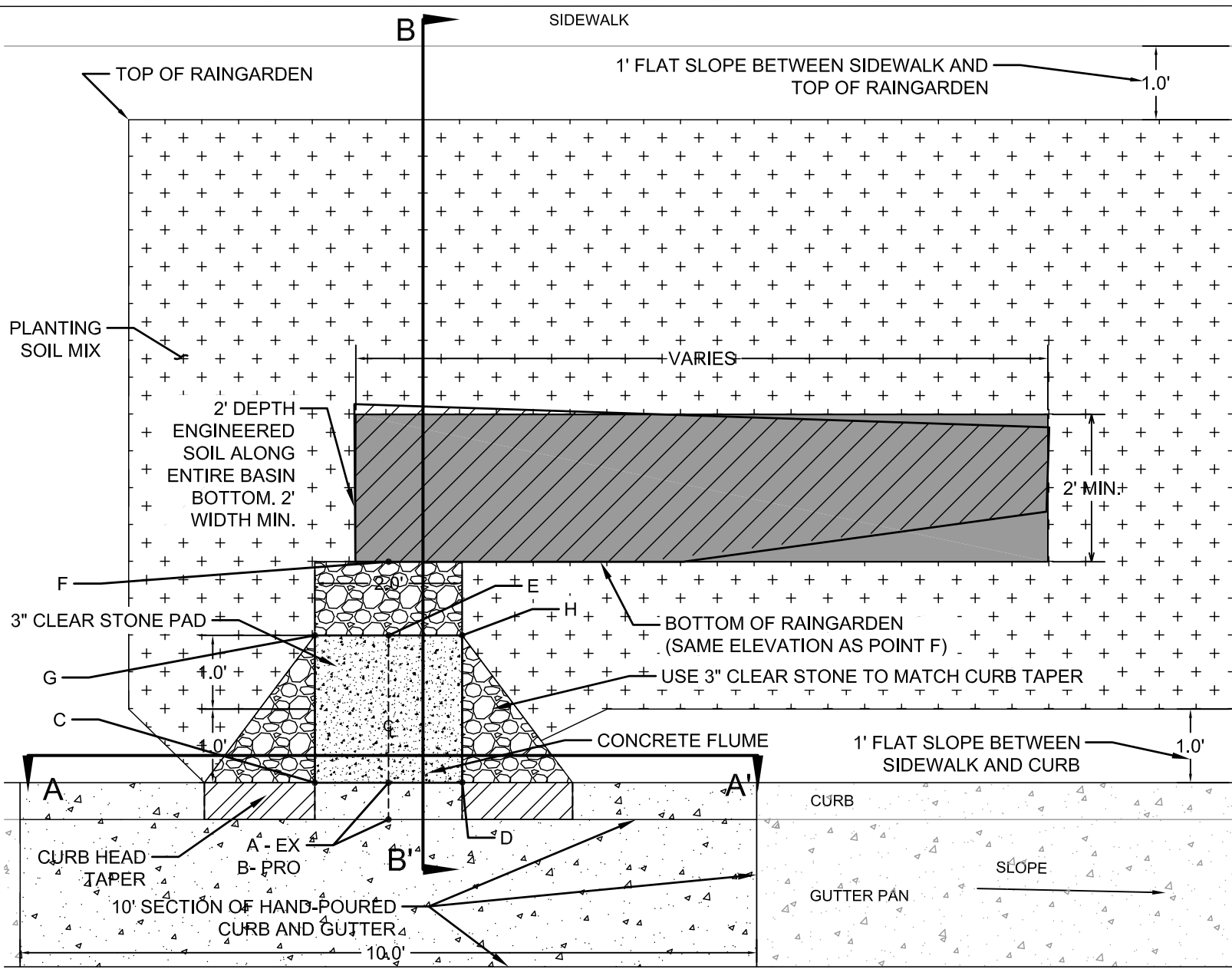


11189
TERRACE RAINGARDEN 2002 JENIFER ST
HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
MADISON, WI
CONTRACT NO.: 8569

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RG-4

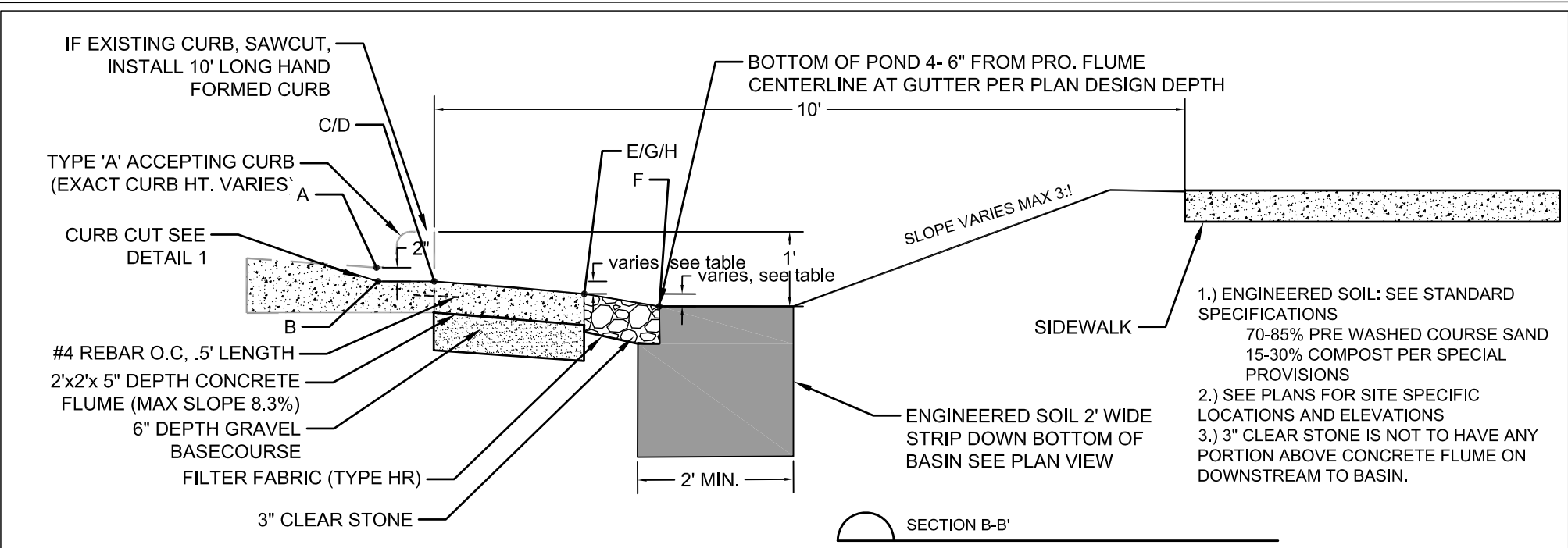
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RG-4



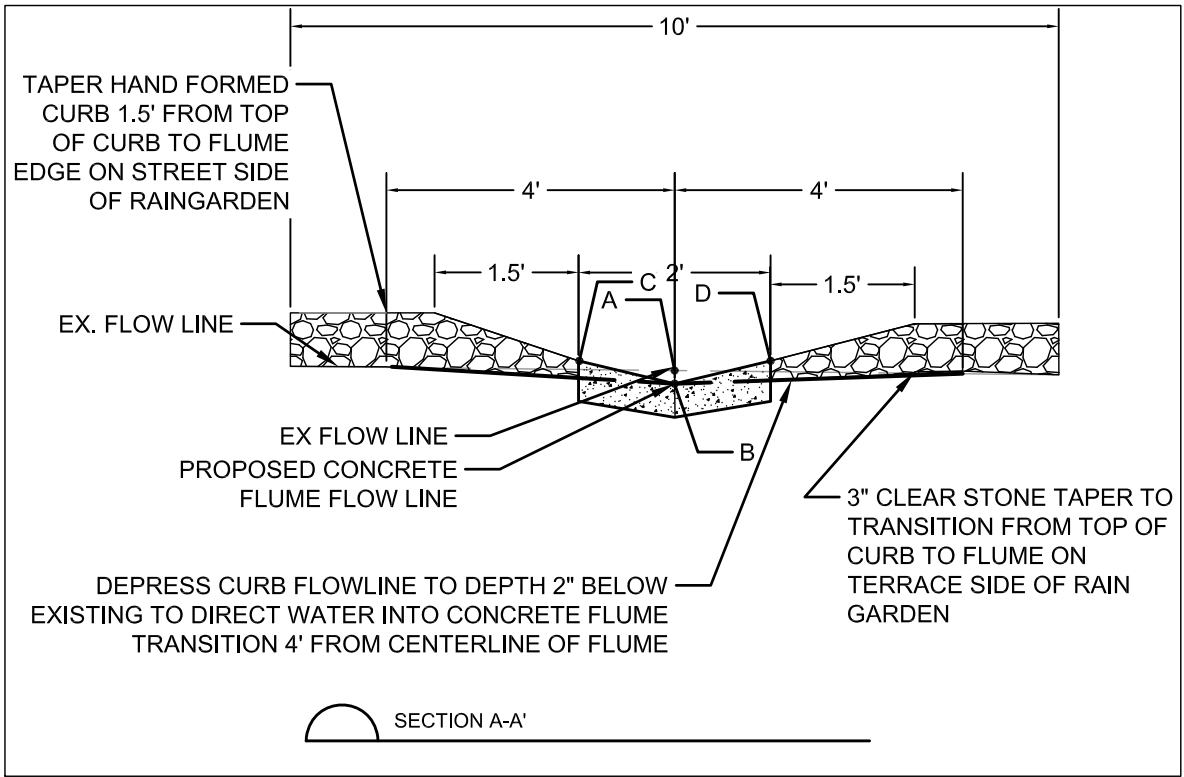
NOTES:
 SEE STANDARD DETAIL DRAWING 2.14 FOR A-A' AND B-B' SECTIONS AND ELEVATION POINTS.

2022
CITY OF MADISON ENGINEERING DIVISION
10' TERRACE RAINGARDEN PLAN RG-5
STANDARD DETAIL DRAWING 2.14



- 1.) ENGINEERED SOIL: SEE STANDARD SPECIFICATIONS
70-85% PRE WASHED COURSE SAND
15-30% COMPOST PER SPECIAL PROVISIONS
- 2.) SEE PLANS FOR SITE SPECIFIC LOCATIONS AND ELEVATIONS
- 3.) 3" CLEAR STONE IS NOT TO HAVE ANY PORTION ABOVE CONCRETE FLUME ON DOWNSTREAM TO BASIN.

SECTION B-B'



SECTION A-A'

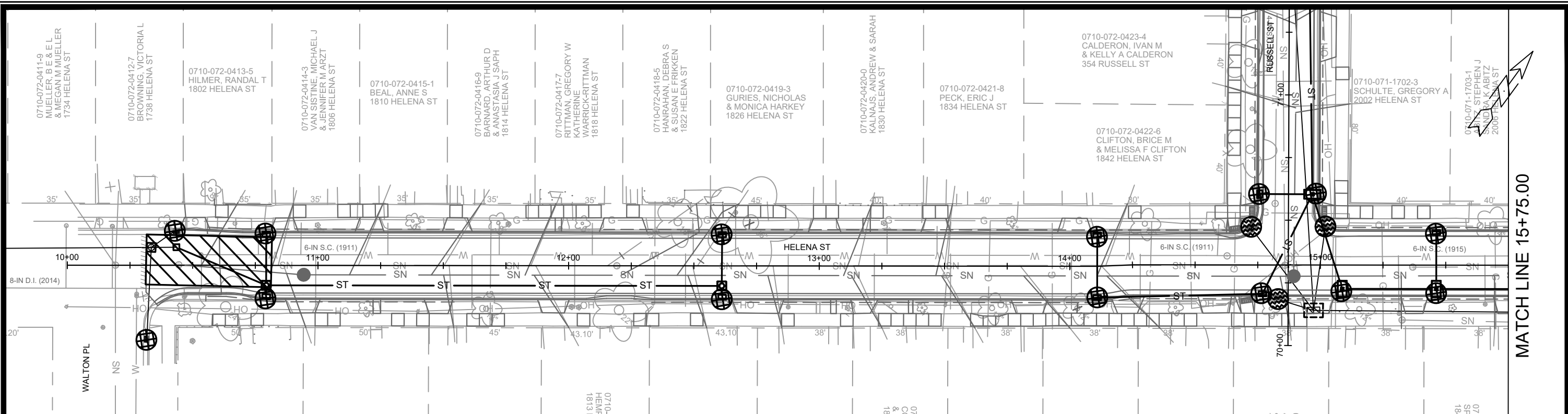
DETAIL POINT ELEVATIONS/DESCRIPTIONS		
Point	Point Description	Required Target Vertical Distance From Existing Flowing (ft)/(in)
	Ex. EOG at CL of Flume	+0.125' (1.5")
A	Ex. Flow Line at CL of Flume	0
B	Pro. Gutter Flow Line at CL of Flume	-.17'(2")
C	Edge of Flume @ Gutter (Uphill)	varies
D	Edge of Flume @ Gutter (Downhill)	varies
E	Bottom of Flume at CL	4" Depth RG: -.083'(1") 6" Depth RG: -.167 (2")
F	Bottom of Stone/Pond	4" Depth RG: -.083'(1") 6" Depth RG: -.167 (2")
G	Edge of Flume @ Outfall (Upgradient along street)	varies
H	Edge of Flume @ Outfall (Downgradient along street)	varies

2022

CITY OF MADISON
ENGINEERING DIVISION

10' TERRACE RAINGARDEN SECTIONS
RG-6

STANDARD DETAIL DRAWING 2.15



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

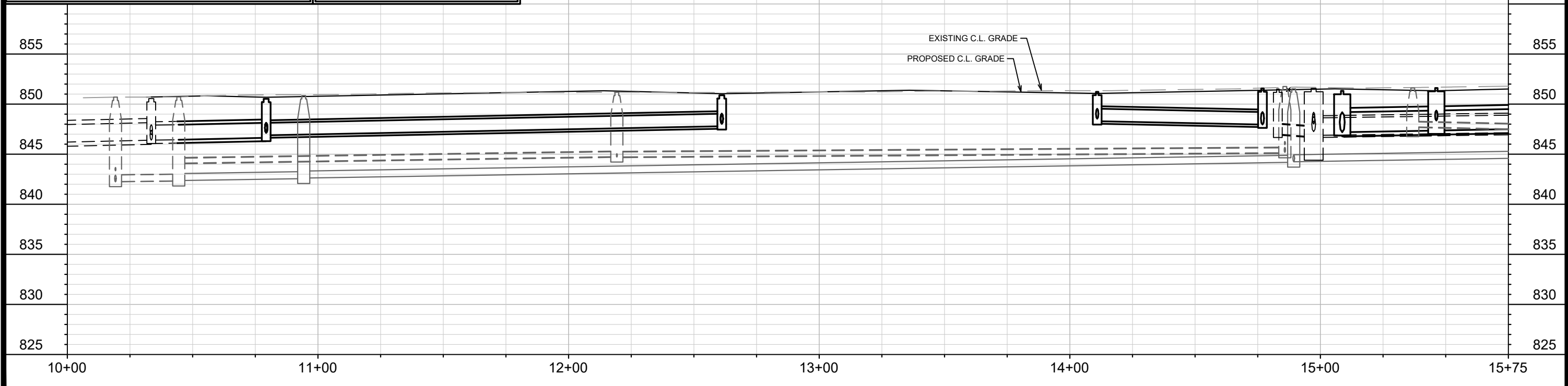
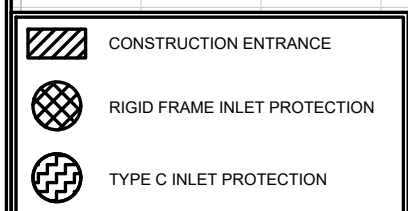
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

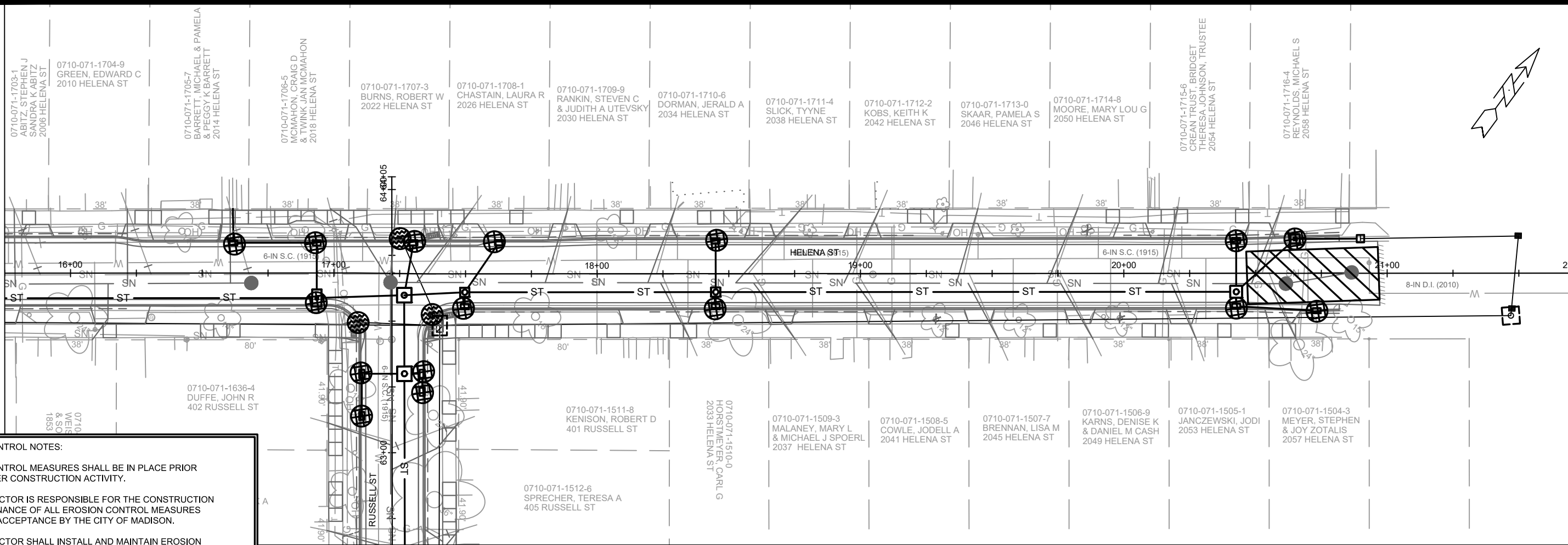
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICTS CD21W	8569	11189	EC-1
			Scale: #/###/### Date: 5/24/2021 5:56 PM REVISION MARK Designed By: #/## 11189
EROSION CONTROL PLAN - HELENA ST HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICTS CD21W M:\DESIGN\Projects\11189\CAD\Sanitary\11189EC-Plan.dwg		CONTRACT NO: 8569	EC-1

MATCH LINE 15+75.00



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

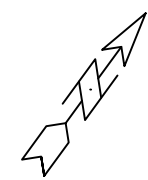
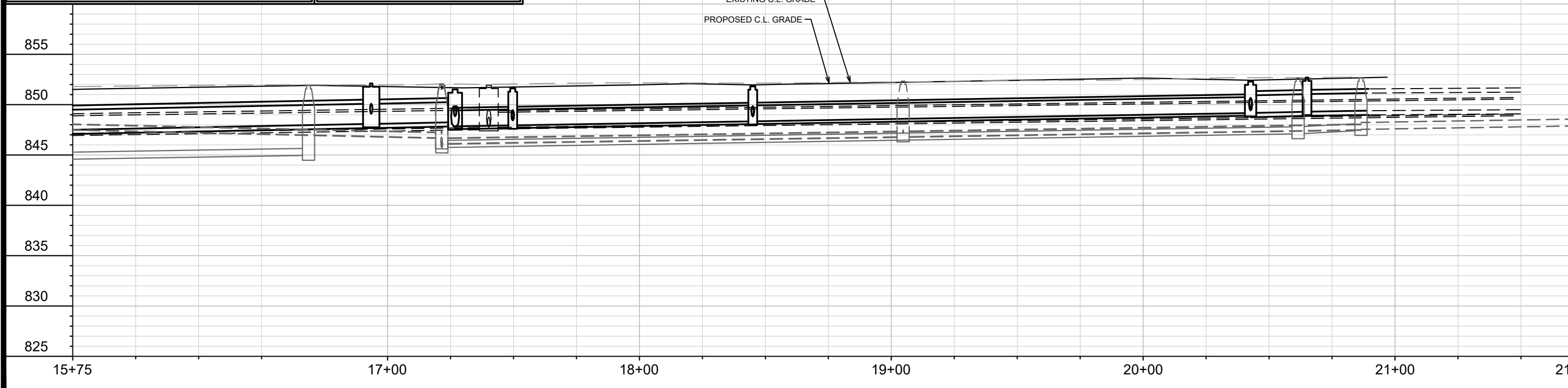
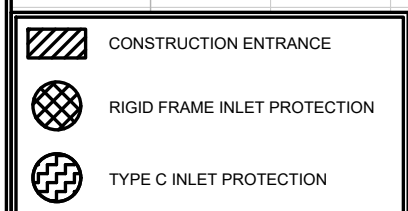
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

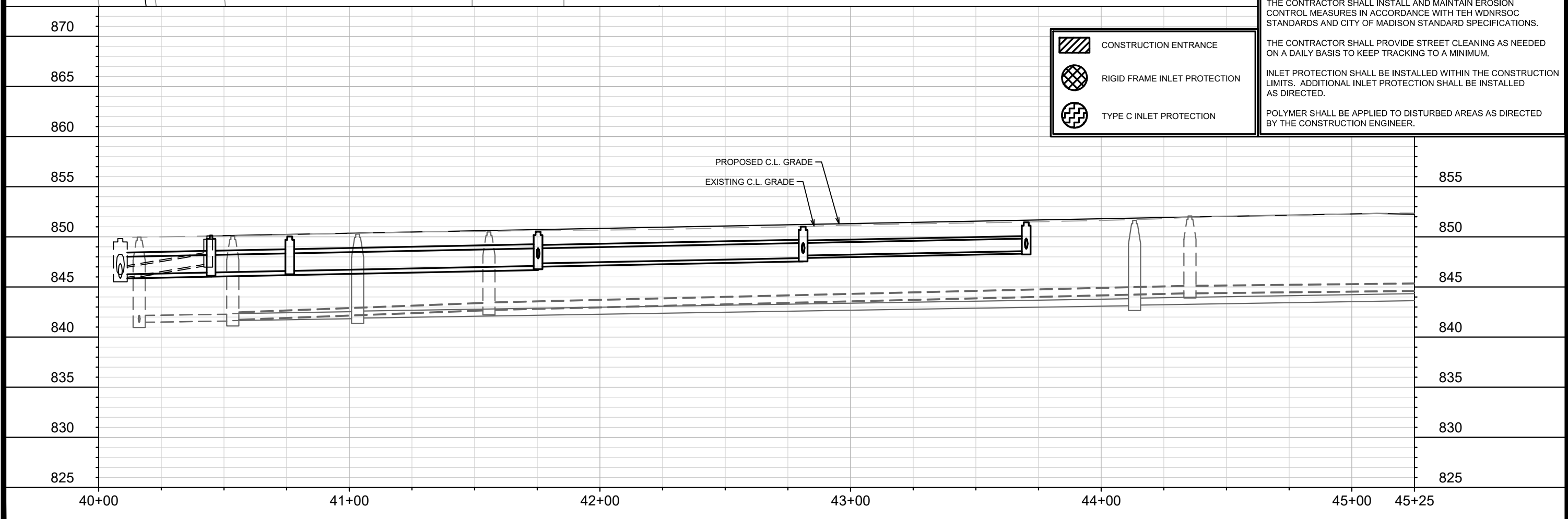
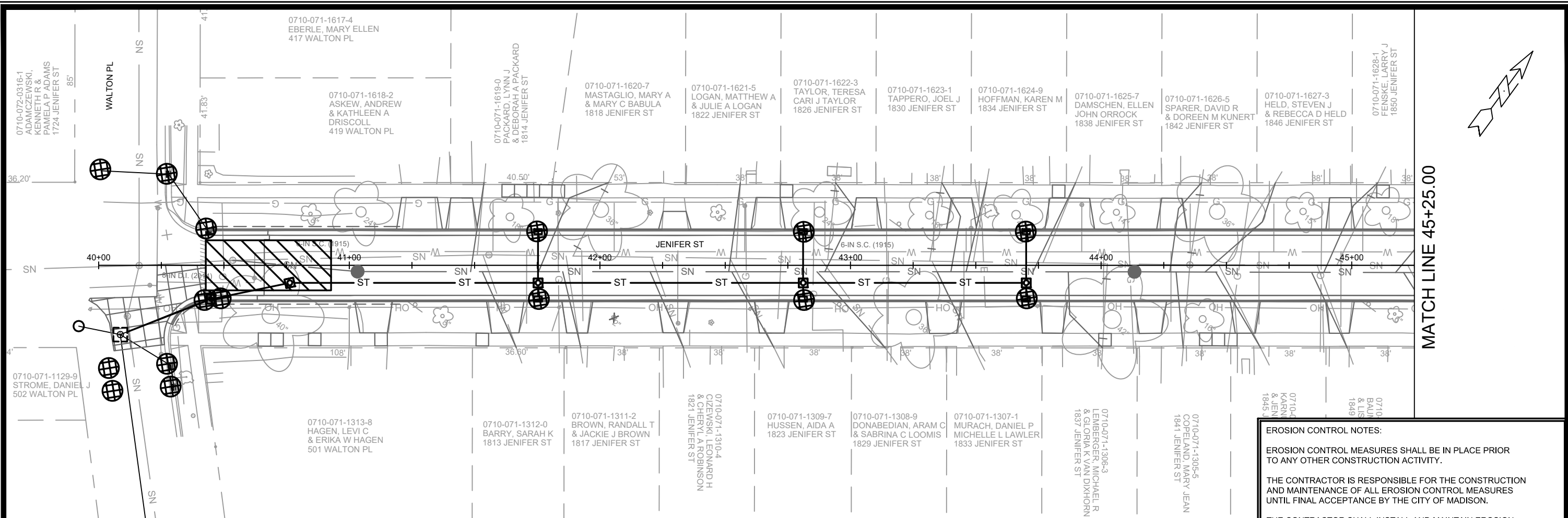





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EROSION CONTROL PLAN - HELENA ST
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 CONTRACT NO: 8569



11189
 EC-2



-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.


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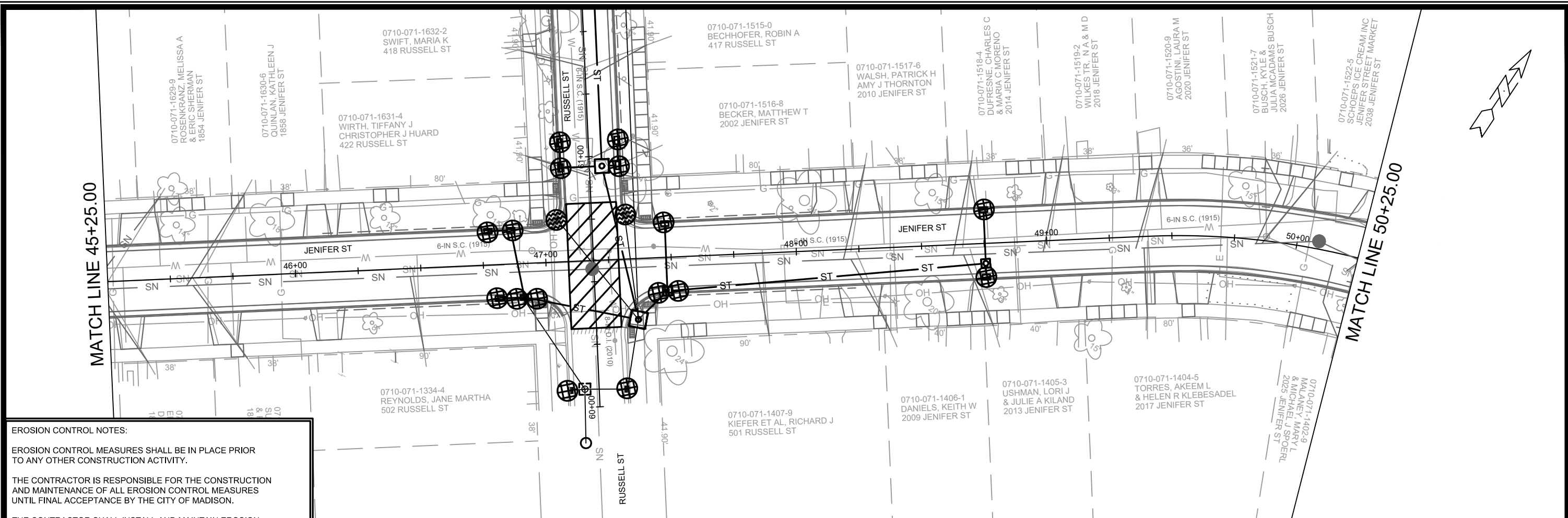
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICT 021W				
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11189				
EC-3				



EROSION CONTROL NOTES:

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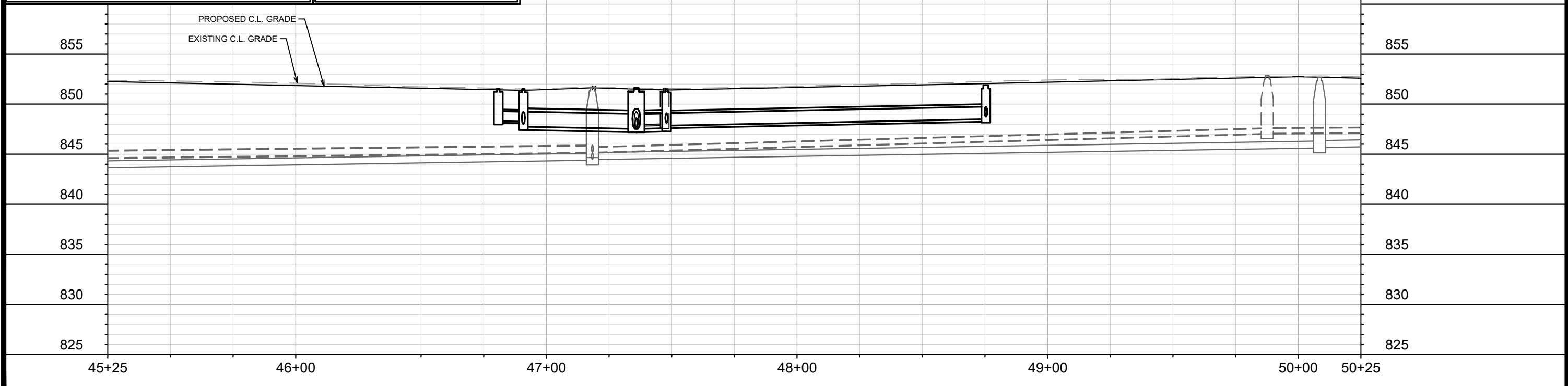
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

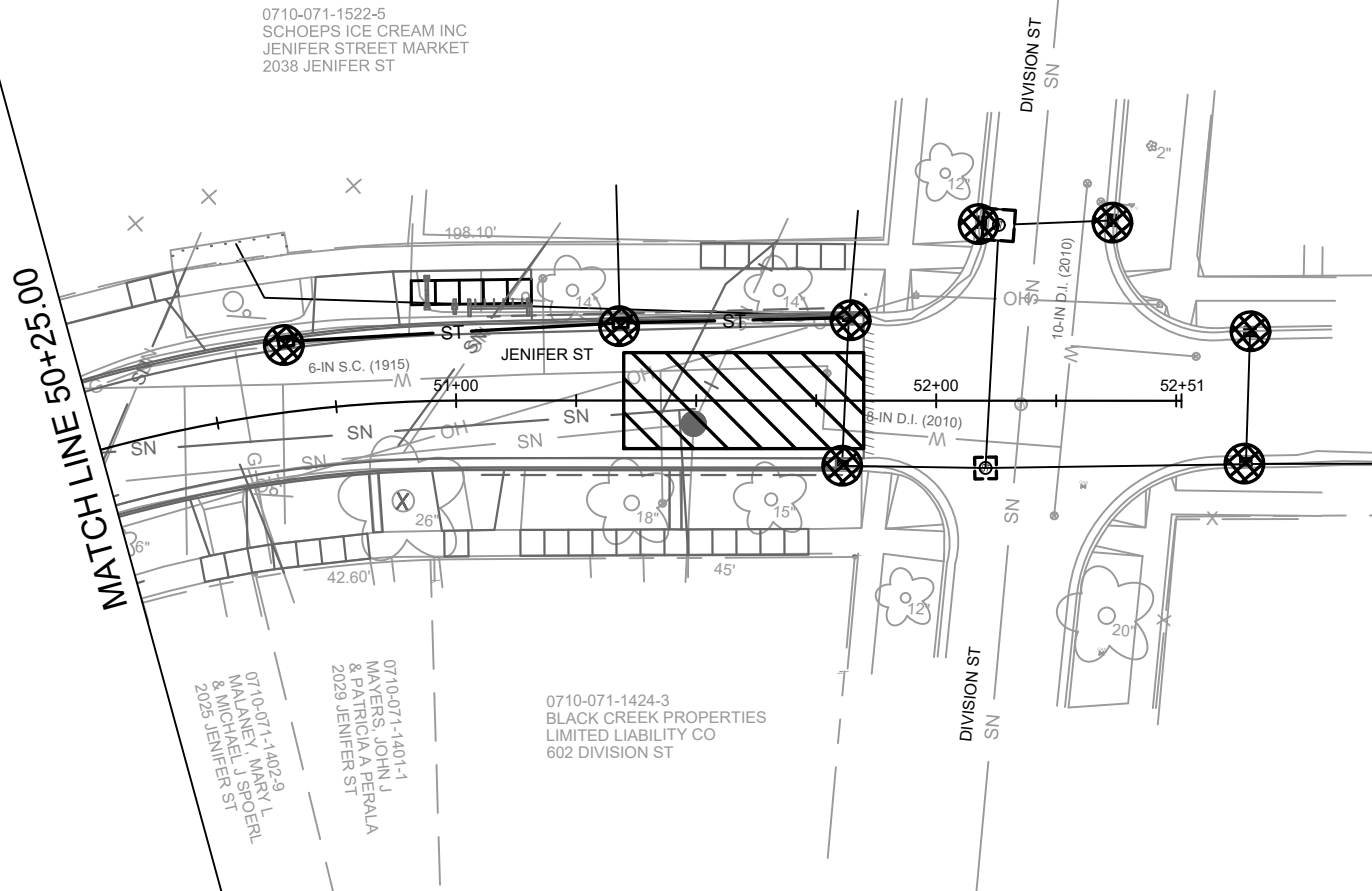
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION



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HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICT 021WI		8569	
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		11189	
11189		EC-4	



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

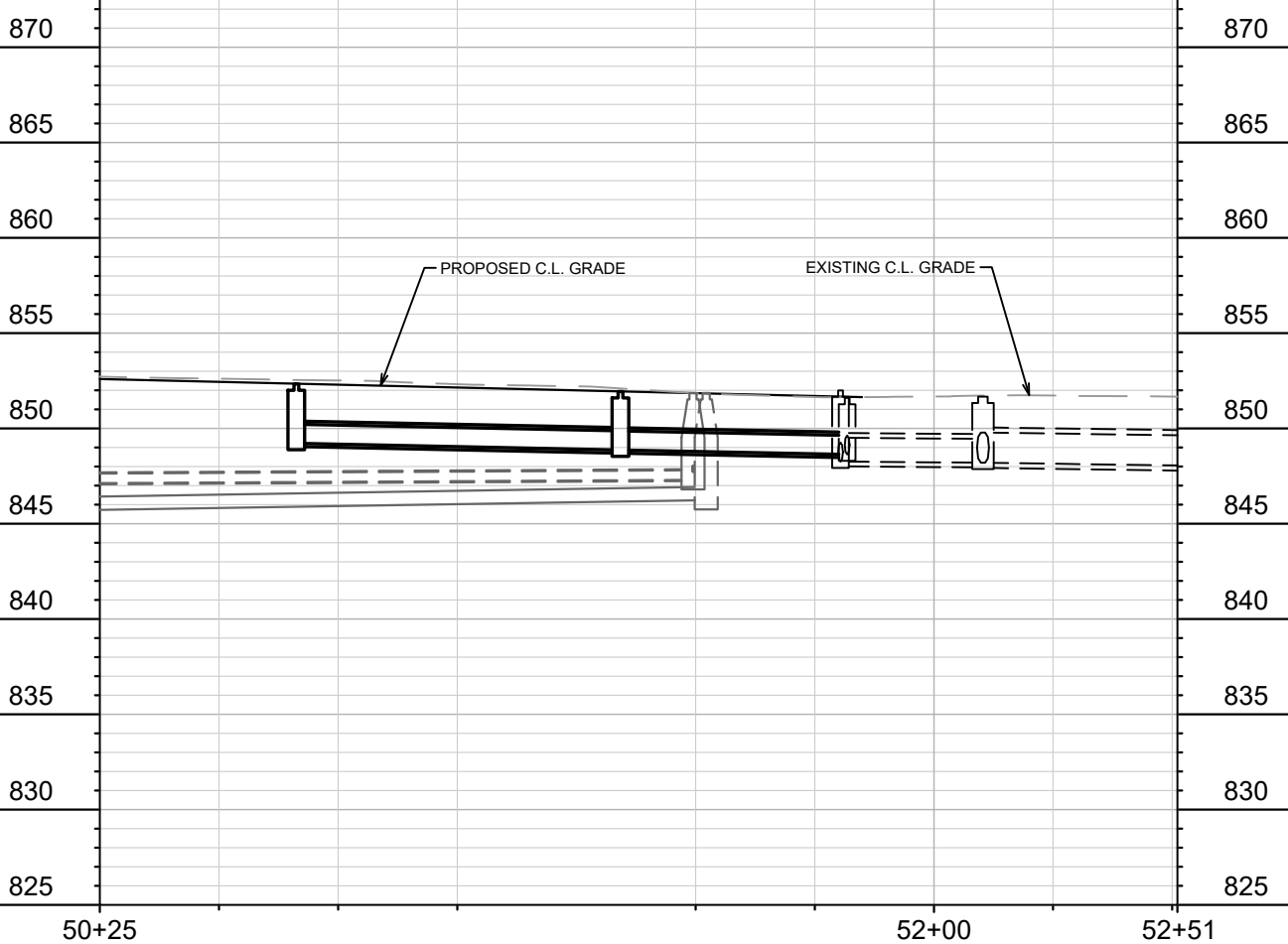
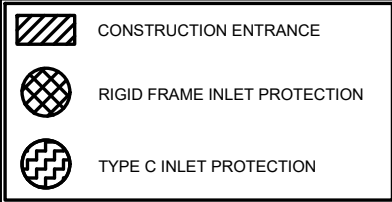
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



DATE	BY
REVISION	REVISION
Date: 5/24/2021 5:57 PM	Scale: #####
Designed By: ##	11189
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HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICTS CD021W1

8569

CONTRACT NO:

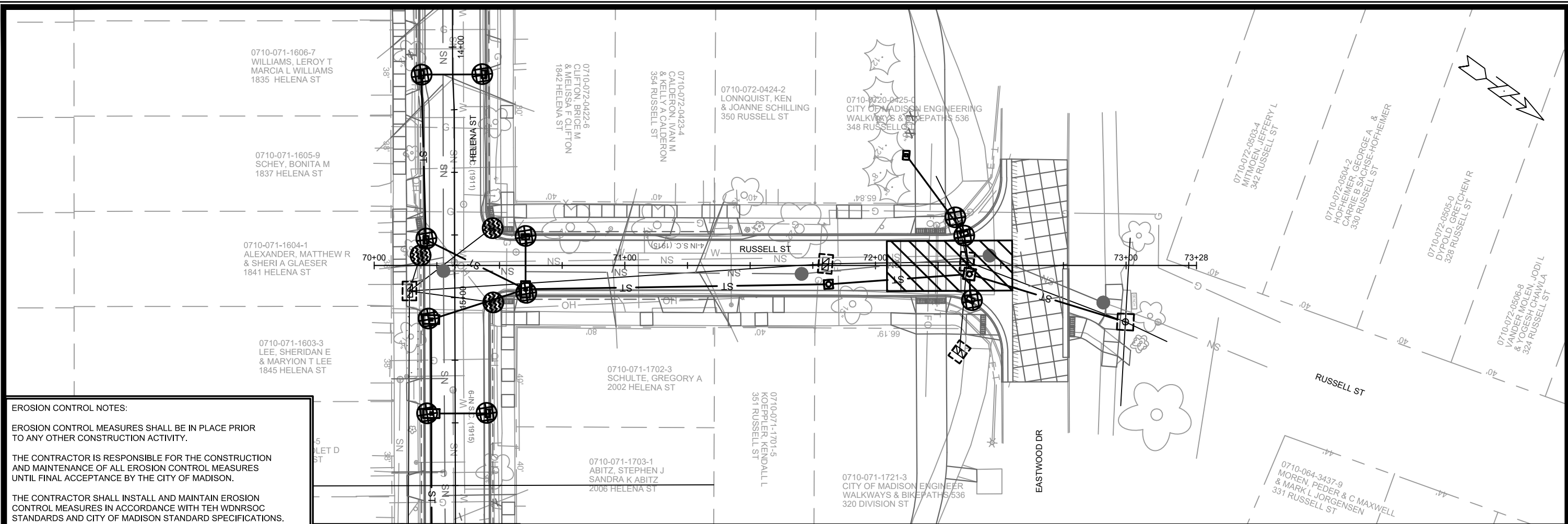
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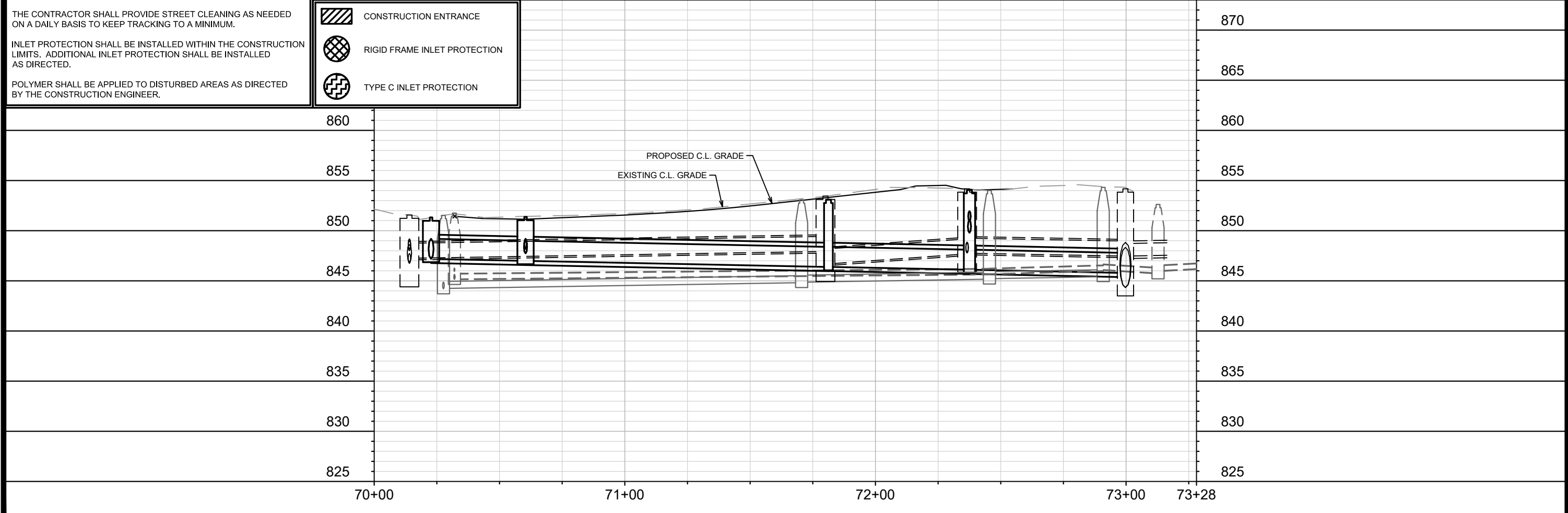
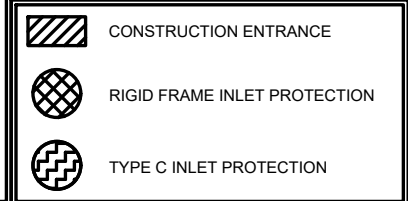
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THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.




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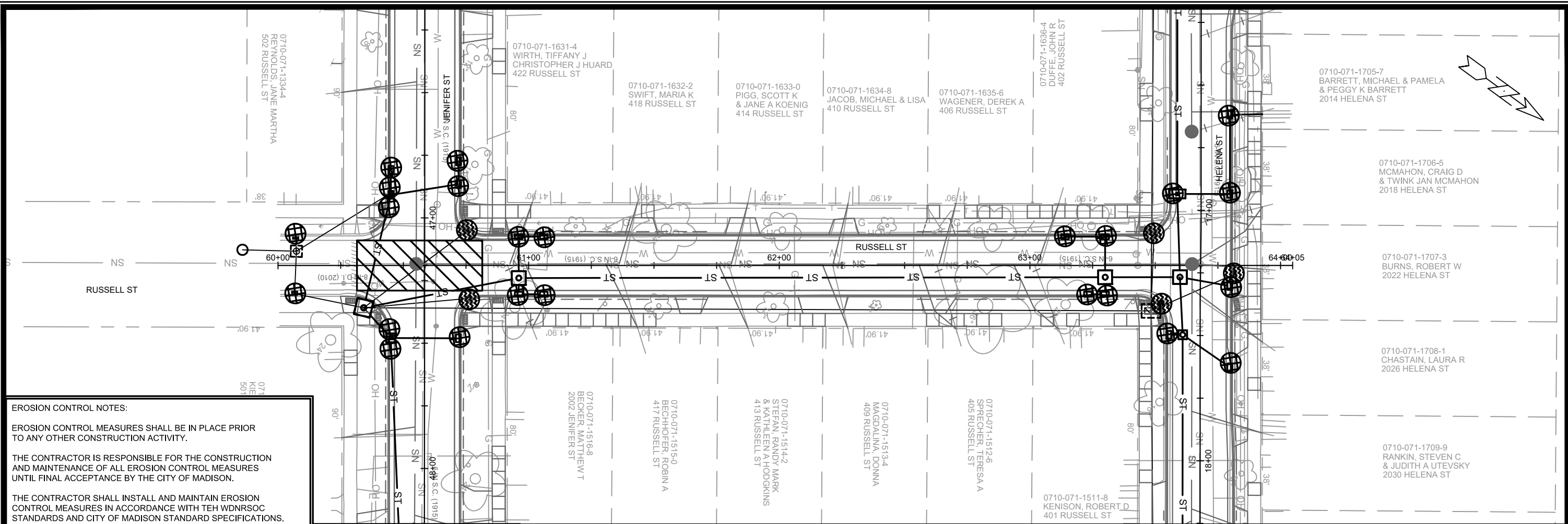
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8569
CONTRACT NO:

EROSION CONTROL PLAN - RUSSELL ST
HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICTS

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EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

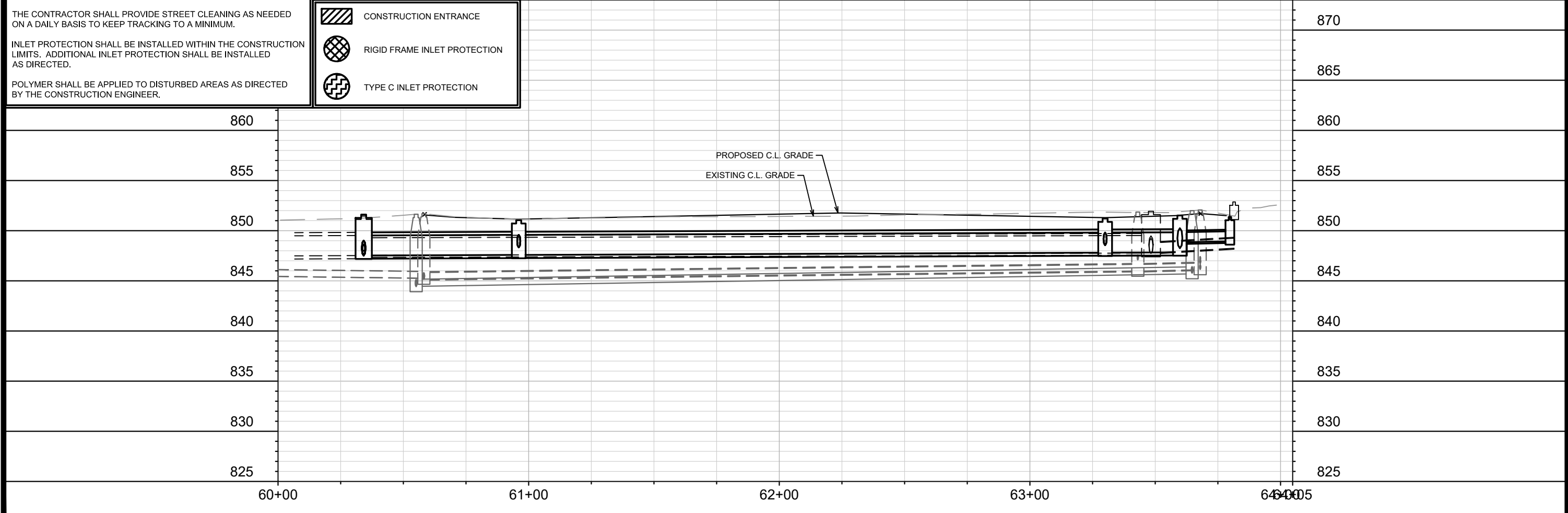
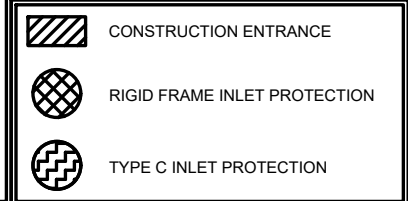
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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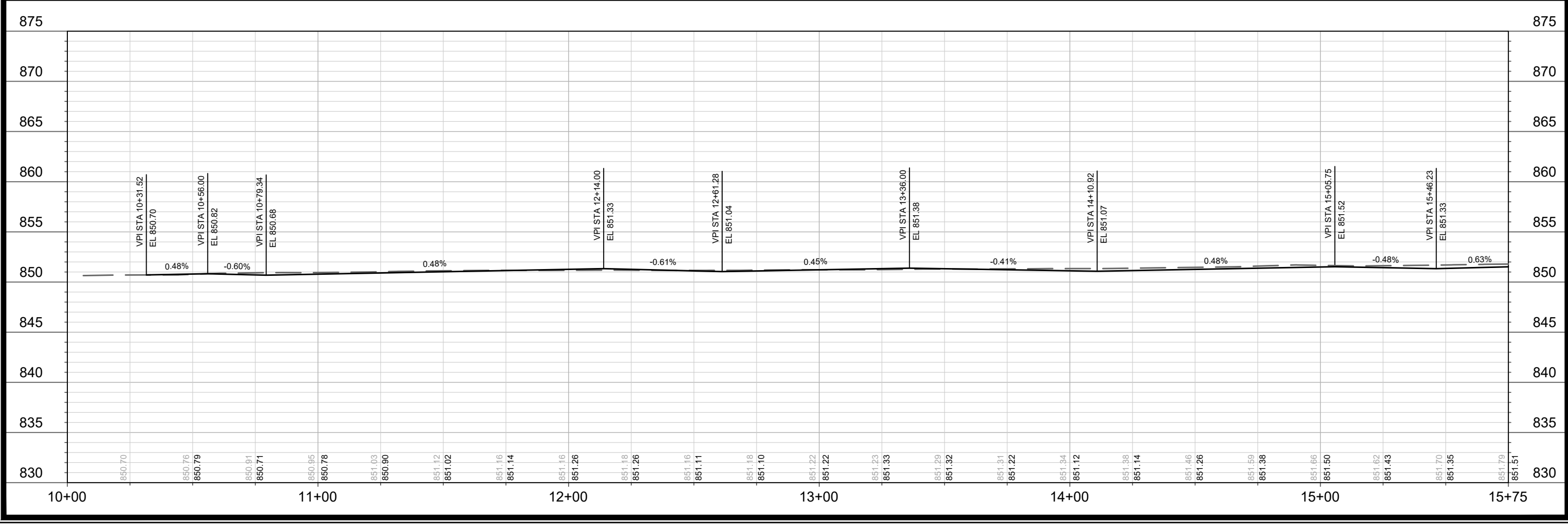
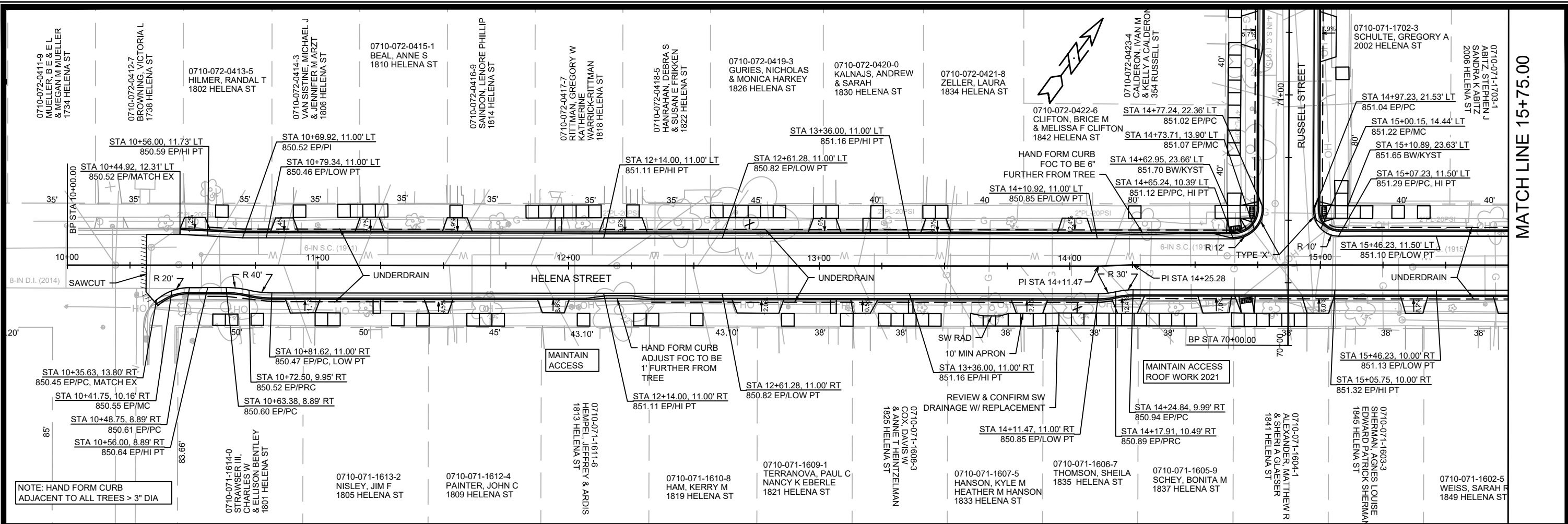
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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11189
 EROSION CONTROL PLAN - RUSSELL ST
 HELENA STREET, JENIFER STREET, AND RUSSELL STREET ASSESSMENT DISTRICTS CD21W1
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 CONTRACT NO: 8569
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 EC-7



HELENA STREET PLAN & PROFILE

HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI

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CONTRACT NO: 8569

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P-1

DATE: 5/27/2021 10:11 AM

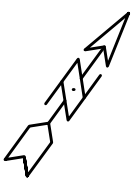
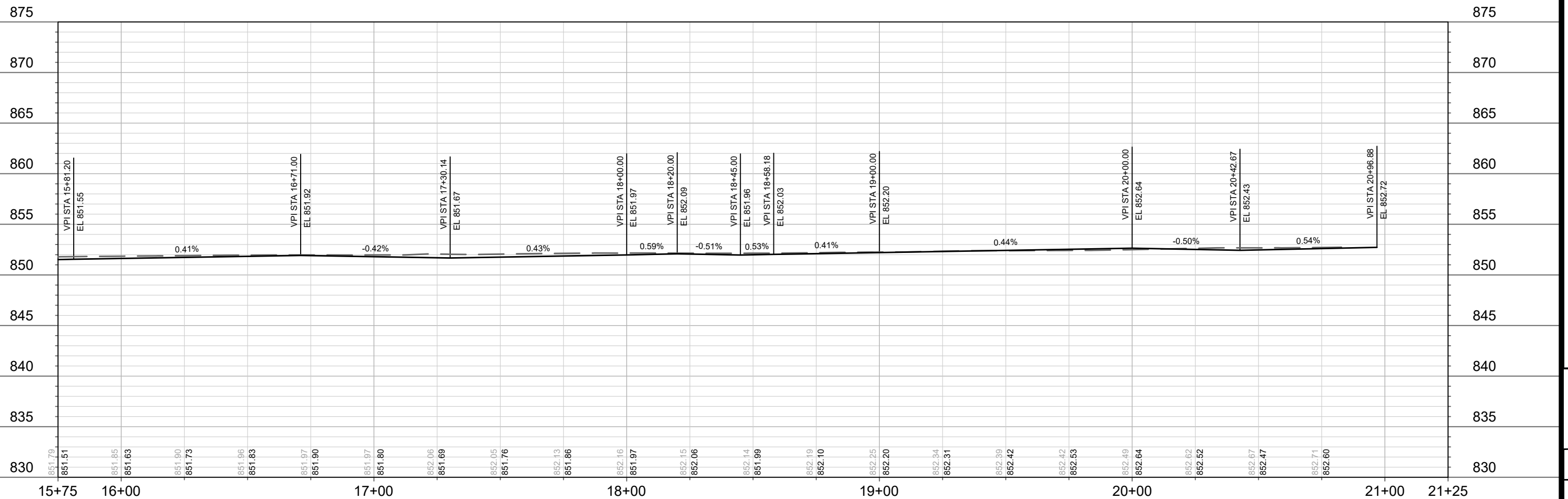
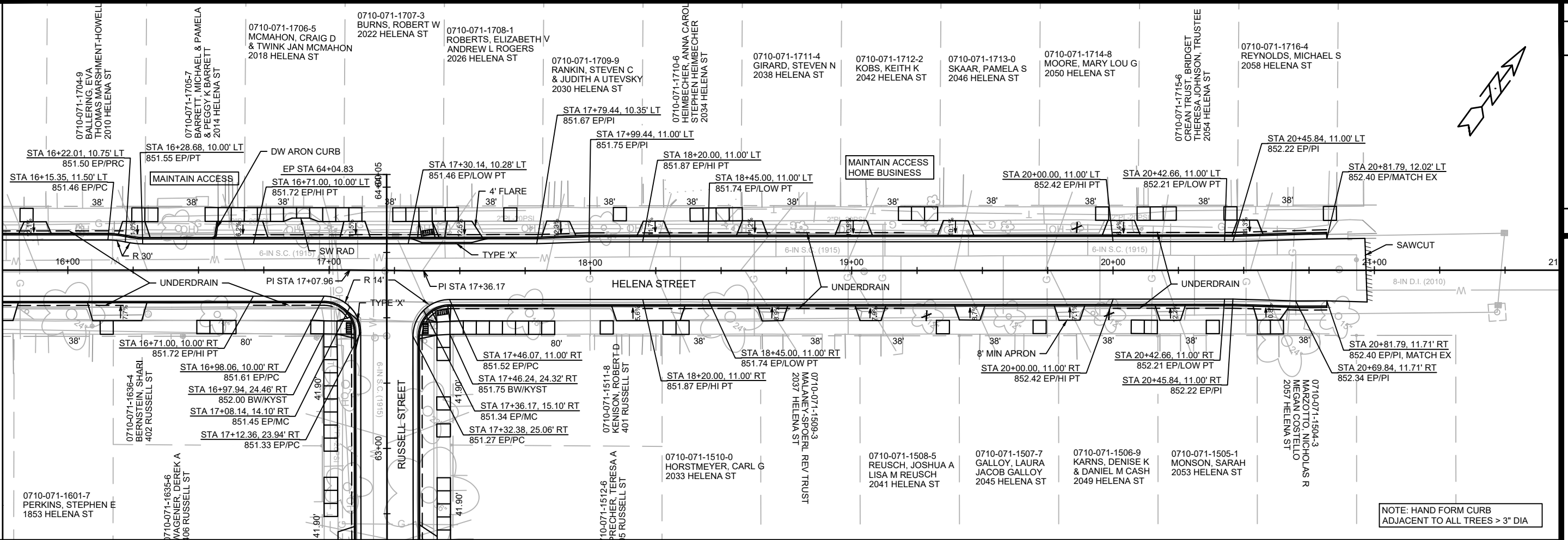
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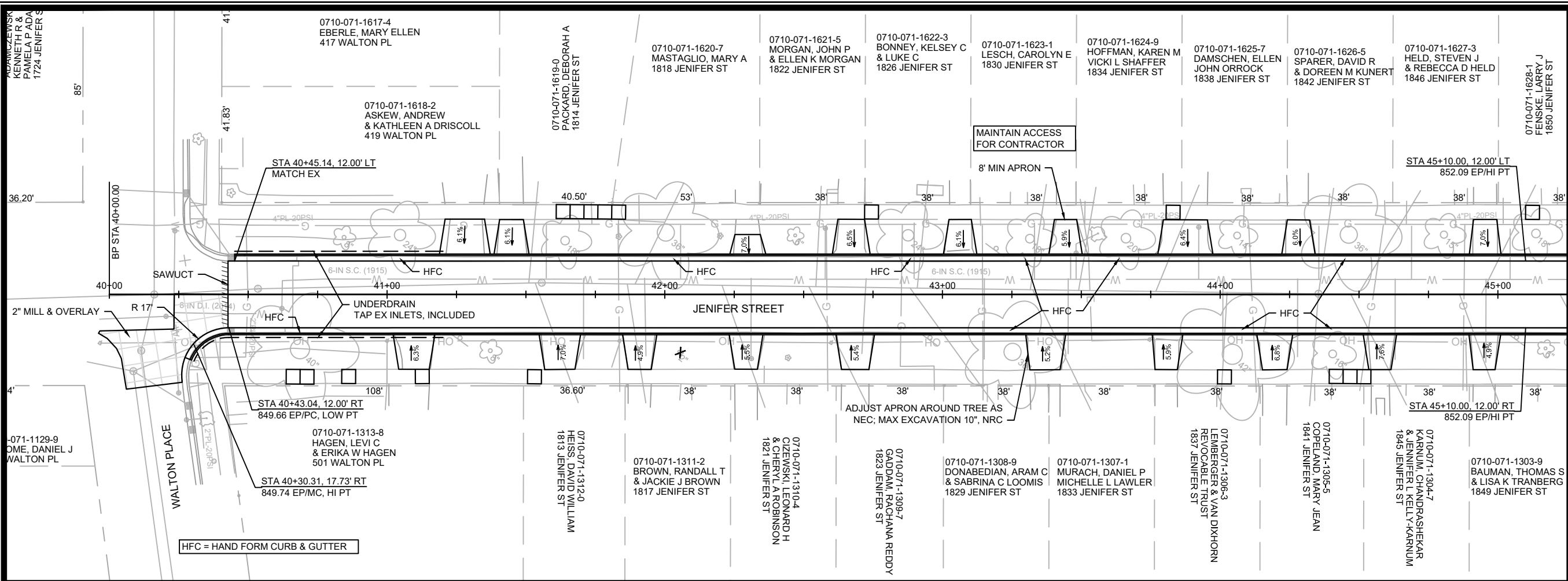
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MATCH LINE 15+75.00



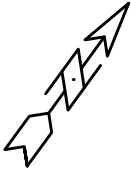
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HELENA STREET PLAN & PROFILE
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI
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 CONTRACT NO: 8569
 11189
 P-2



Station	Elevation
40+00	850.00
	850.09
	850.12
	850.21
	850.24
	850.39
	850.36
	850.48
	850.53
	850.60
	850.65
	850.72
	850.67
	850.84
	850.72
	850.96
	850.89
	851.08
	850.99
	851.20
	851.17
	851.32
	851.29
	851.44
	851.39
	851.56
	851.50
	851.68
	851.63
	851.80
	851.82
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	852.37
	852.25
45+25	852.25

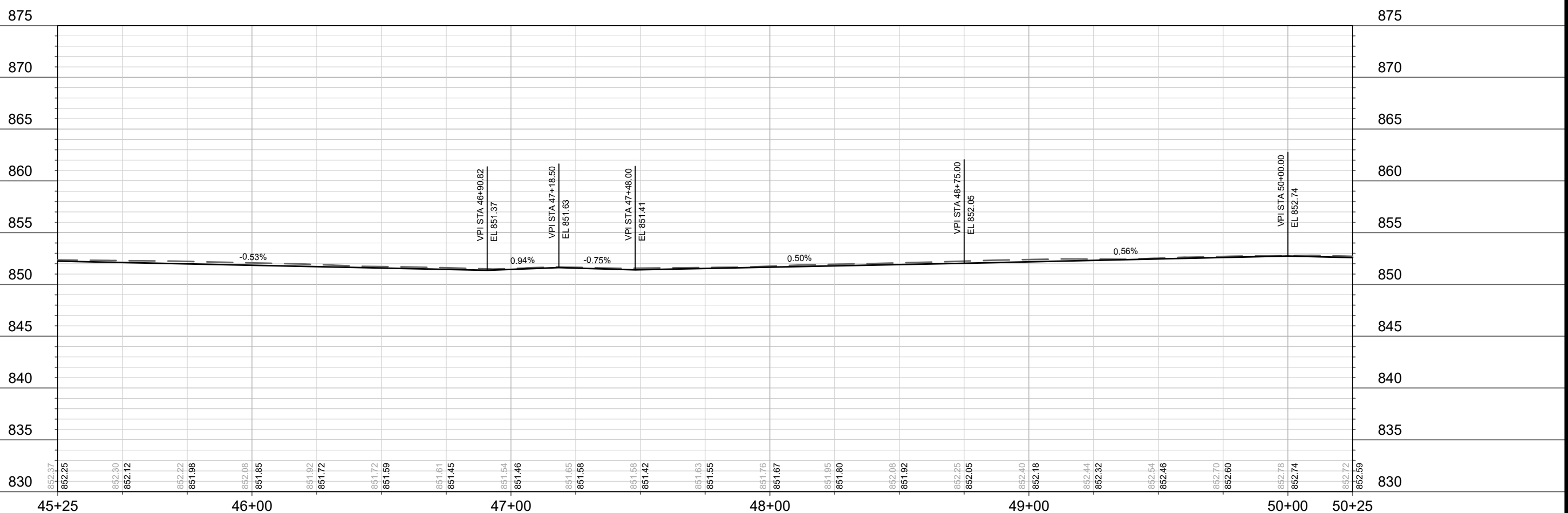
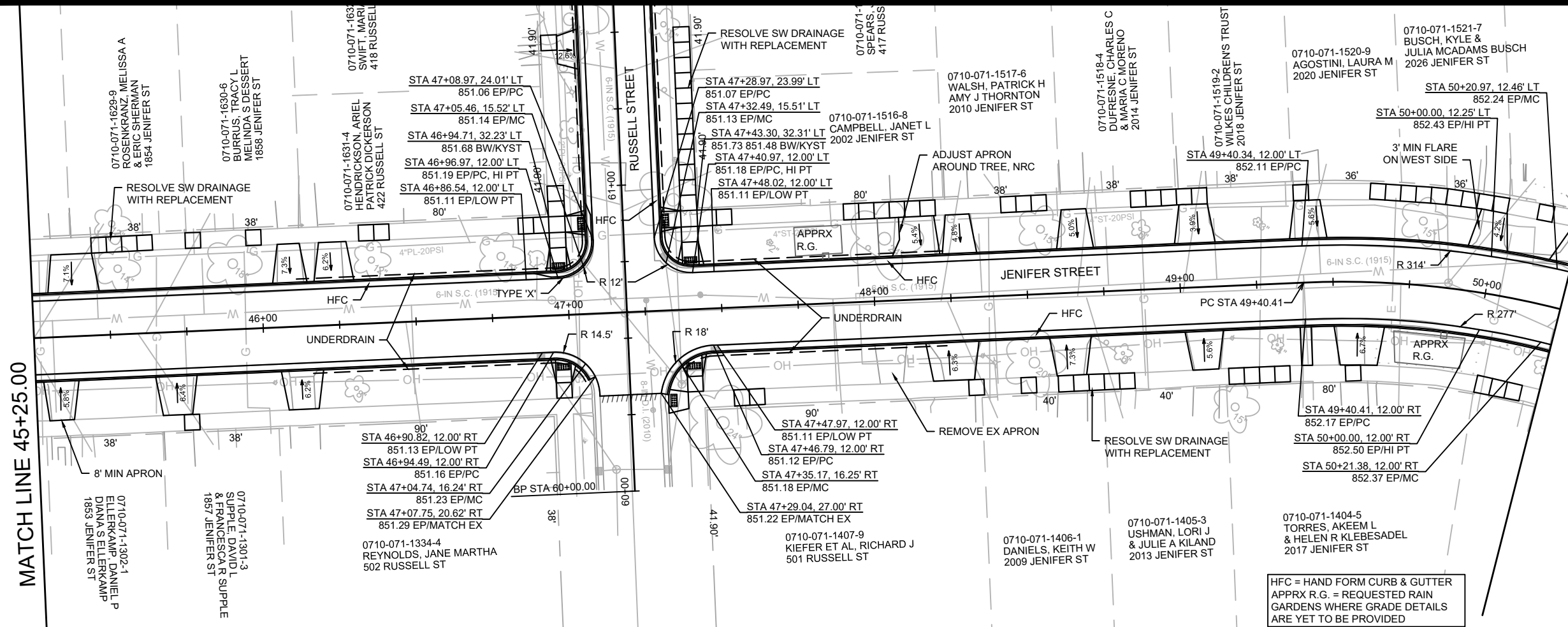
MATCH LINE 45+25.00



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HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021			
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P-3			

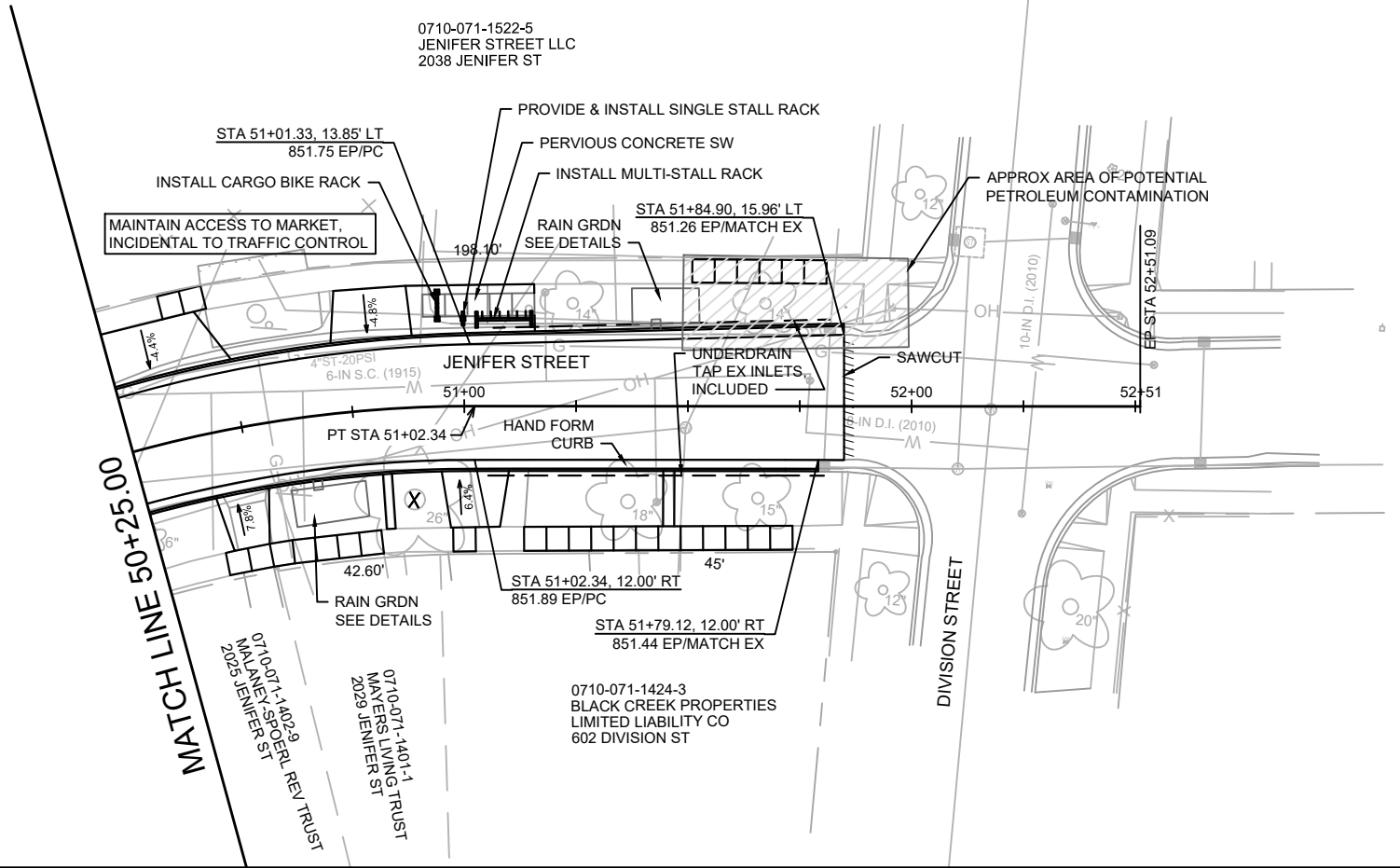
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MATCH LINE 50+25.00

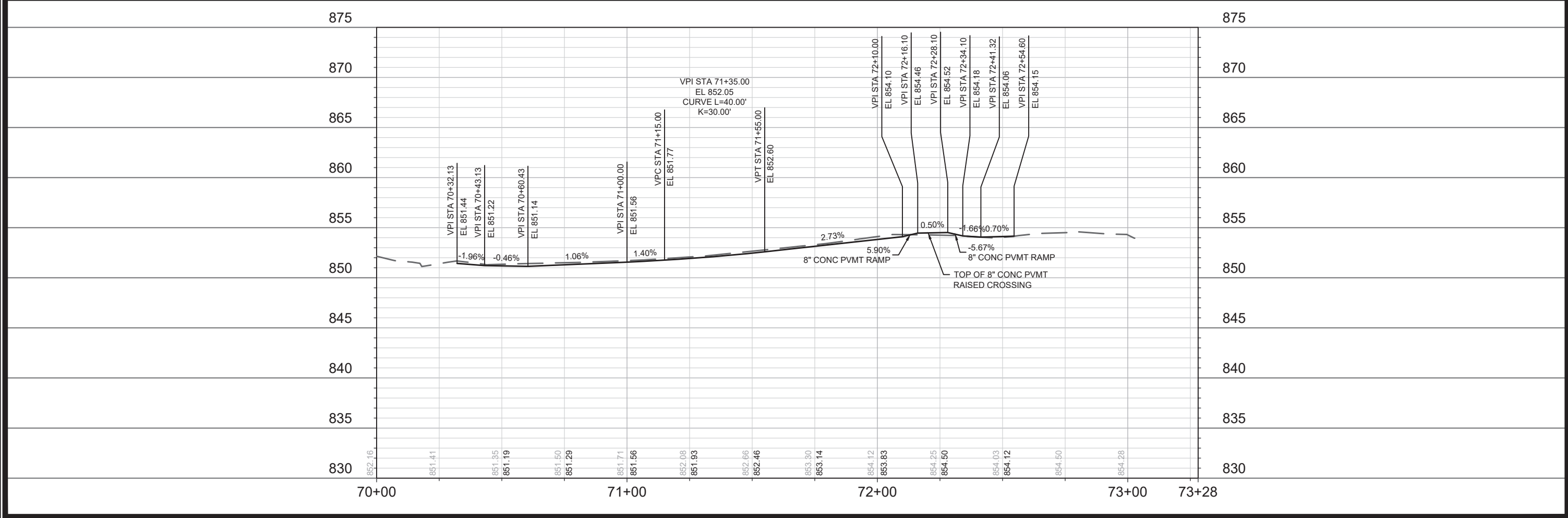
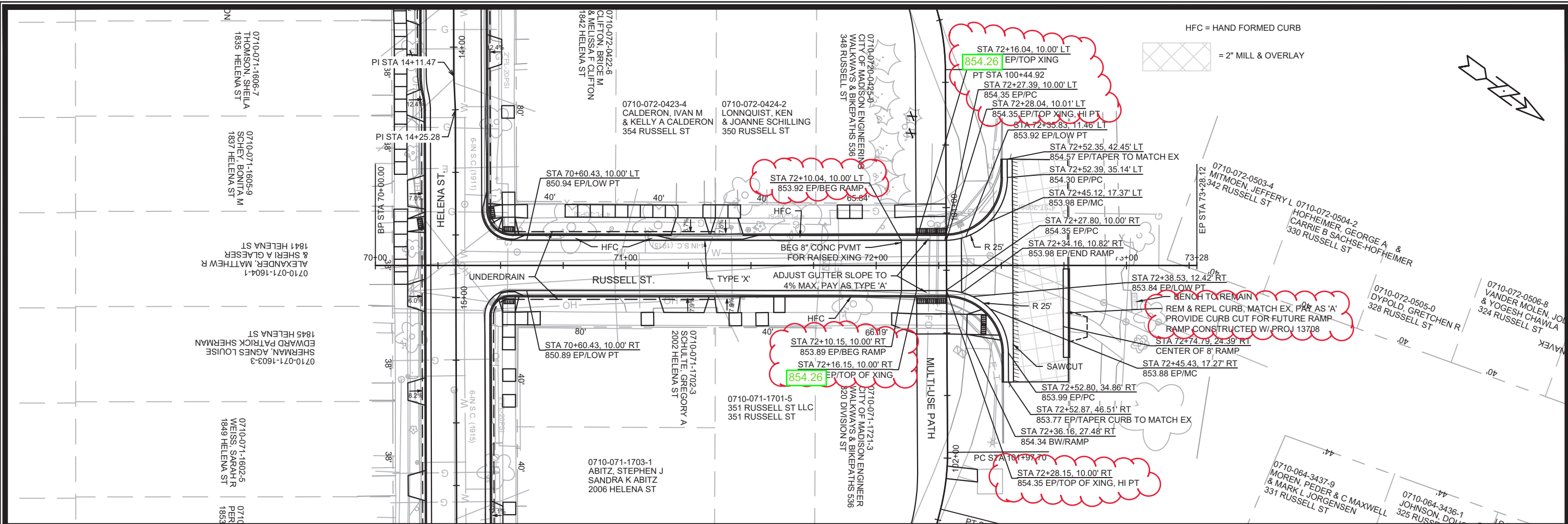


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JENIFER STREET PLAN & PROFILE	HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021	MADISON, WI	MADISON, WI
M:\DESIGN\Projects\11189\CAD\Streets\11189EN Street Plan Sheets.dwg		CONTRACT NO:	8569
11189		Scale: #####	P-4
P-4		DESIGNED BY: ###	DATE: ##/##/##
11189		REVISION	BY
11189		MARK	DATE





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HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021	MADISON, WI	CONTRACT NO:	8569	DESIGNED BY: ###	DATE: 5/27/2021 10:12 AM	SCALE: #####	BY:	DATE:	P-5
11189 P-5									



RUSSELL STREET PLAN & PROFILE

HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI

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8569

CONTRACT NO:

THOMSON, SHEILA
1835 HELENA ST
1837 HELENA ST

SCHNEY BONITA M
1837 HELENA ST

ALEXANDER, MATTHEW R
& SHERI A GLAESER
1841 HELENA ST

SHERMAN, AGNES LOUISE
EDWARD PATRICK SHERMAN
1845 HELENA ST

WEISS, SARAH R
1849 HELENA ST

PER
1853

CLIFTON, BRICE M
& MELISSA F CLIFTON
1842 HELENA ST

CALDERON, IVAN M
& KELLY A CALDERON
354 RUSSELL ST

LONNQUIST, KEN
& JOANNE SCHILLING
350 RUSSELL ST

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
348 RUSSELL ST

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
320 DIVISION ST

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
320 DIVISION ST

ABITZ, STEPHEN J
SANDRA K ABITZ
2006 HELENA ST

SCHULTE, GREGGORY A
2002 HELENA ST

MITMOEN, JEFFERY L
342 RUSSELL ST

HOFHEIMER, GEORGE A &
CARRIE B SACHSE-HOFHEIMER
330 RUSSELL ST

DYPOLD, GRETCHEN R
328 RUSSELL ST

VANDER MOLEN, JOE
& YOGESH CHAWLA
324 RUSSELL ST

MOREN, PEDER & C MAXWELL
& MARK L JORGENSEN
331 RUSSELL ST

JOHNSON, DONALD
325 RUSSELL ST

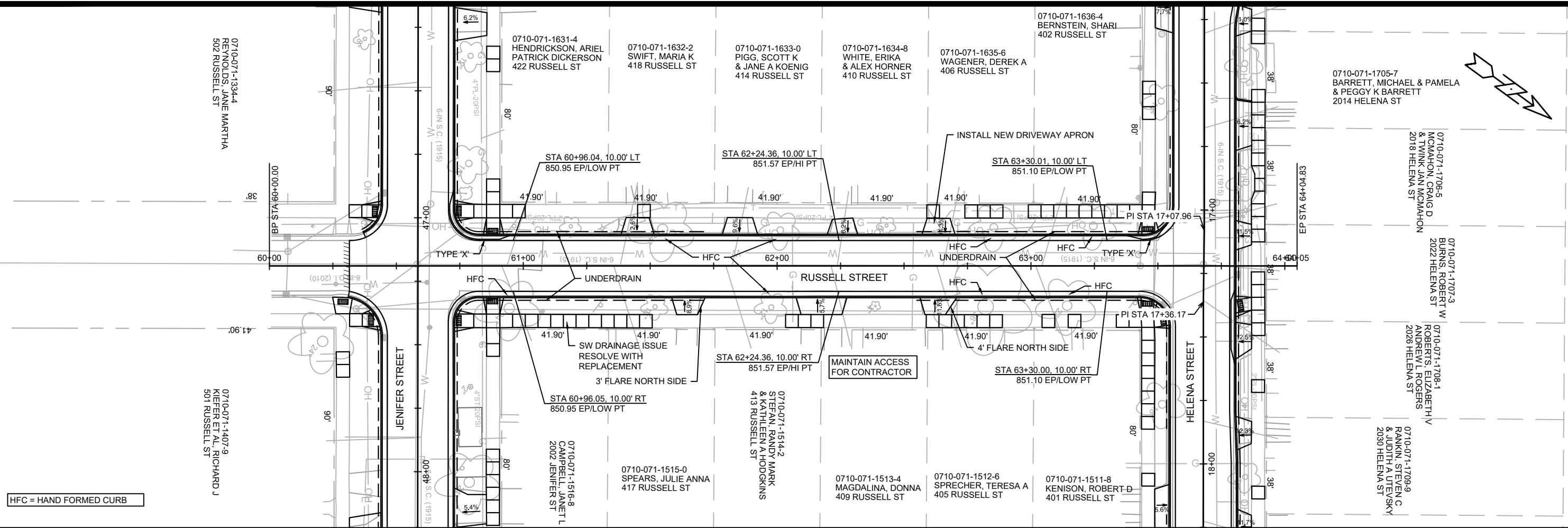
DATE: 6-15-22

REVISION

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11189

P-6



HFC = HAND FORMED CURB

0710-071-1334-4
REYNOLDS, JANE MARTHA
502 RUSSELL ST

0710-071-1407-9
KIEFER ET AL, RICHARD J
501 RUSSELL ST

0710-071-1631-4
HENDRICKSON, ARIEL
PATRICK DICKERSON
422 RUSSELL ST

0710-071-1632-2
SWIFT, MARIA K
418 RUSSELL ST

0710-071-1633-0
PIGG, SCOTT K
& JANE A KOENIG
414 RUSSELL ST

0710-071-1634-8
WHITE, ERIKA
& ALEX HORNER
410 RUSSELL ST

0710-071-1635-6
WAGENER, DEREK A
406 RUSSELL ST

0710-071-1636-4
BERNSTEIN, SHARI
402 RUSSELL ST

0710-071-1706-5
MCMAHON, CRAIG D
& TYNN JAN MCMAHON
2018 HELENA ST

0710-071-1707-3
BURNS, ROBERT W
2022 HELENA ST

0710-071-1708-1
ROBERTS, ELIZABETH V
ANDREW L ROGERS
2026 HELENA ST

0710-071-1709-9
RANKIN, STEVEN C
& JUDITH A UTEVSKY
2030 HELENA ST

0710-071-1516-8
CAMPBELL, JANET L
2002 JENIFER ST

0710-071-1515-0
SPEARS, JULIE ANNA
417 RUSSELL ST

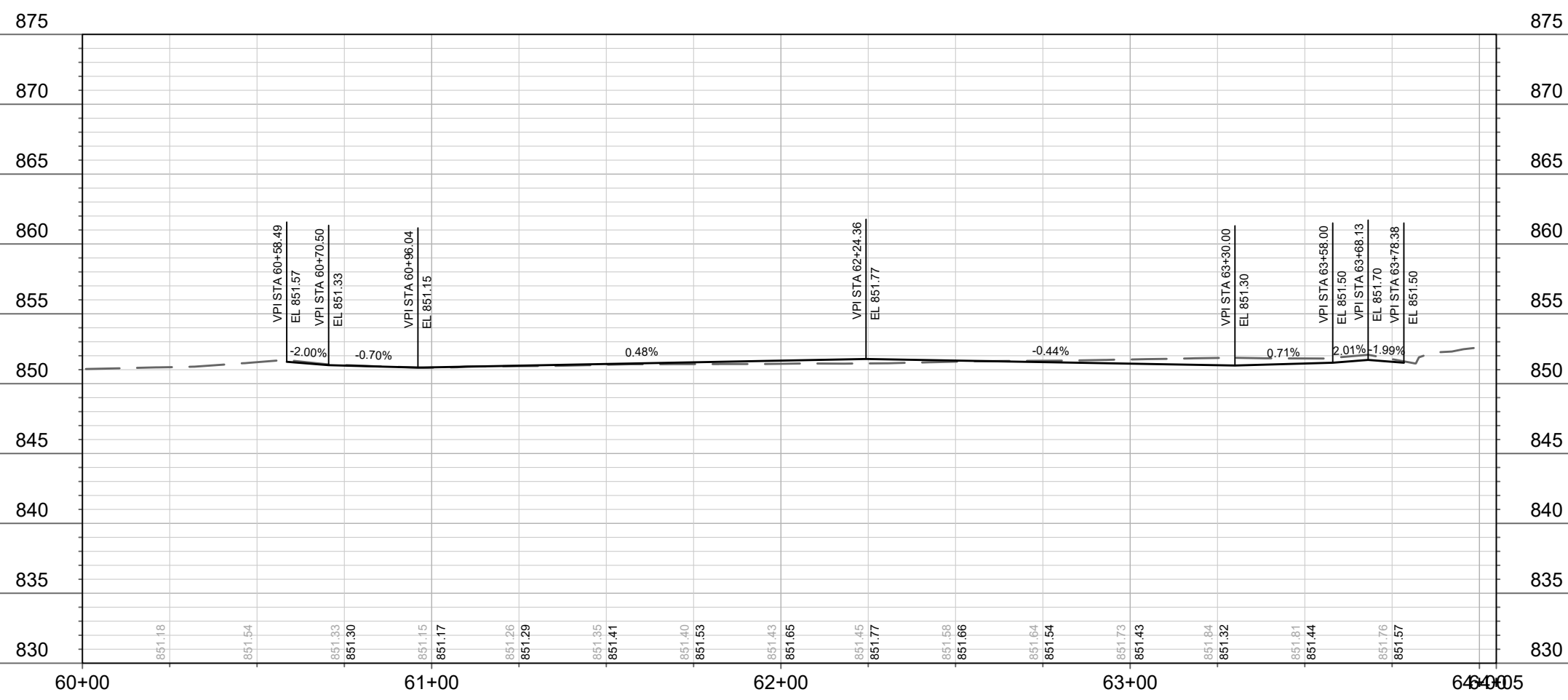
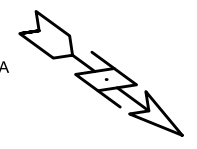
0710-071-1514-2
STEFAN RANDI MARK
& KATHLEEN A HODGKINS
413 RUSSELL ST

0710-071-1513-4
MAGDALINA, DONNA
409 RUSSELL ST

0710-071-1512-6
SPRECHER, TERESA A
405 RUSSELL ST

0710-071-1511-8
KENISON, ROBERT D
401 RUSSELL ST

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BARRETT, MICHAEL & PAMELA
& PEGGY K BARRETT
2014 HELENA ST

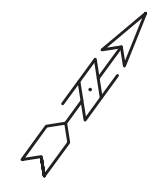
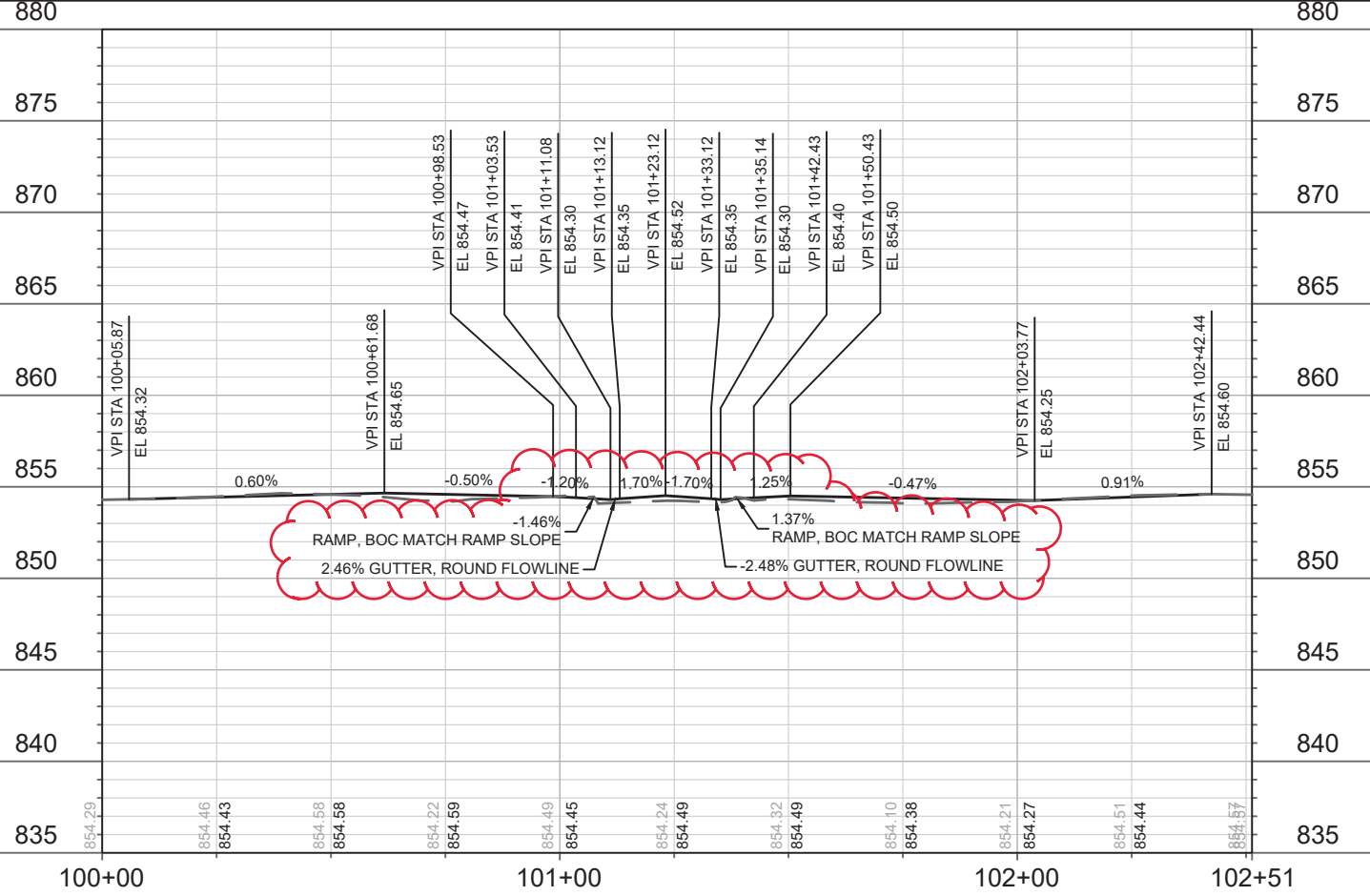
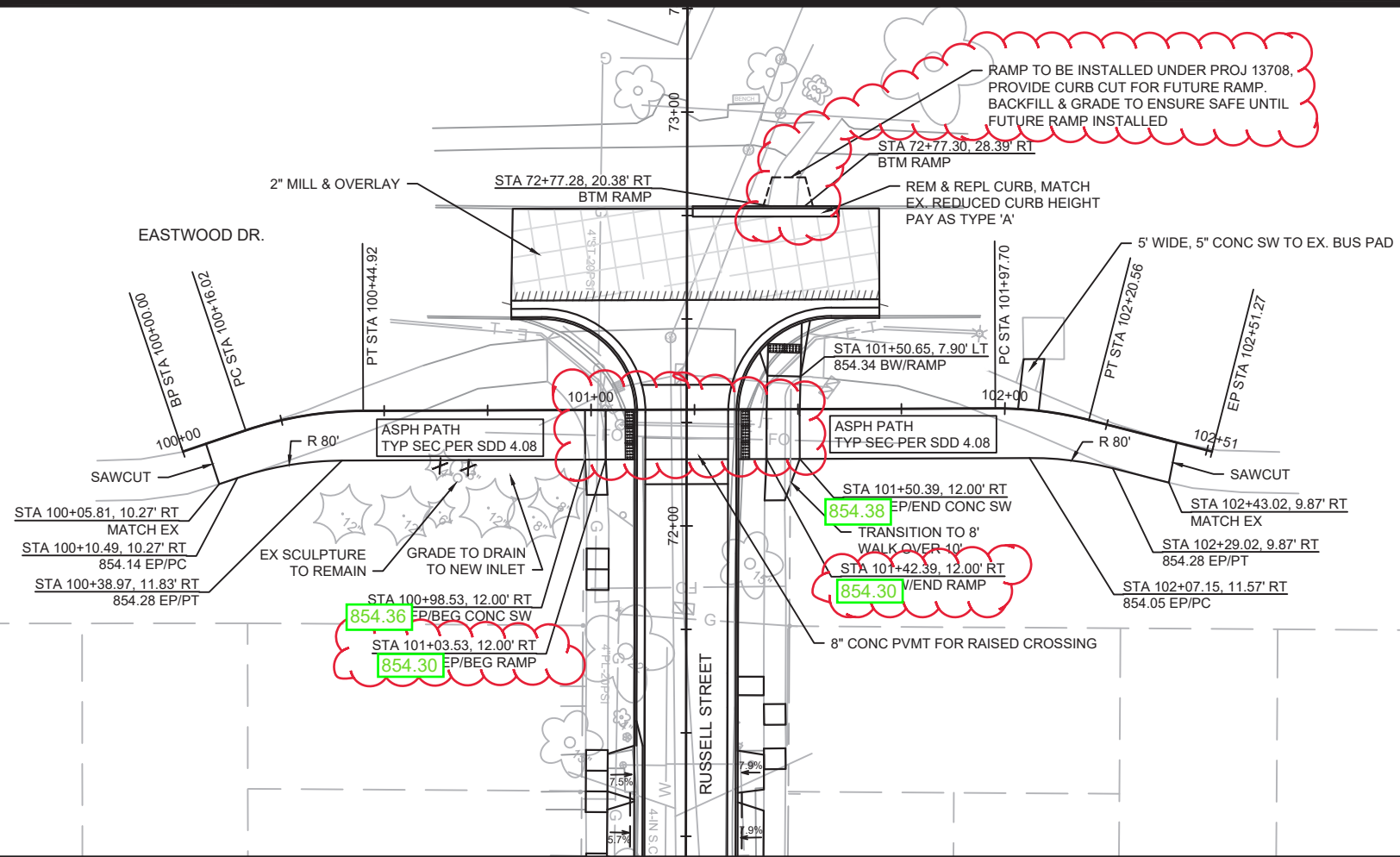


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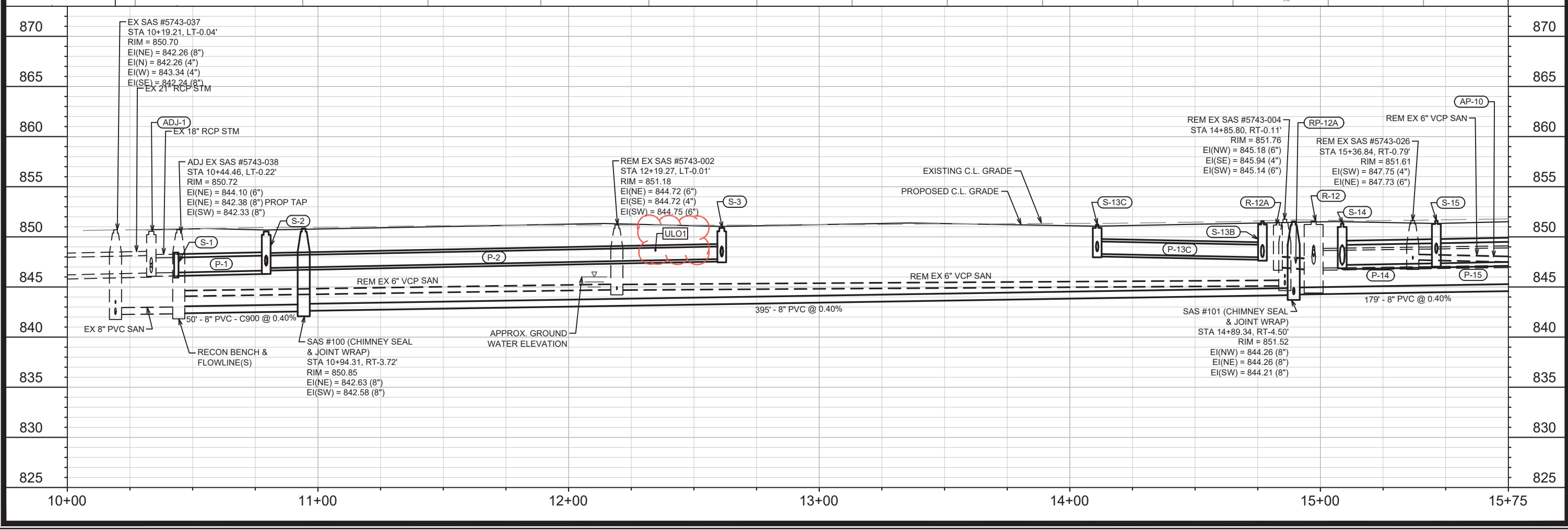
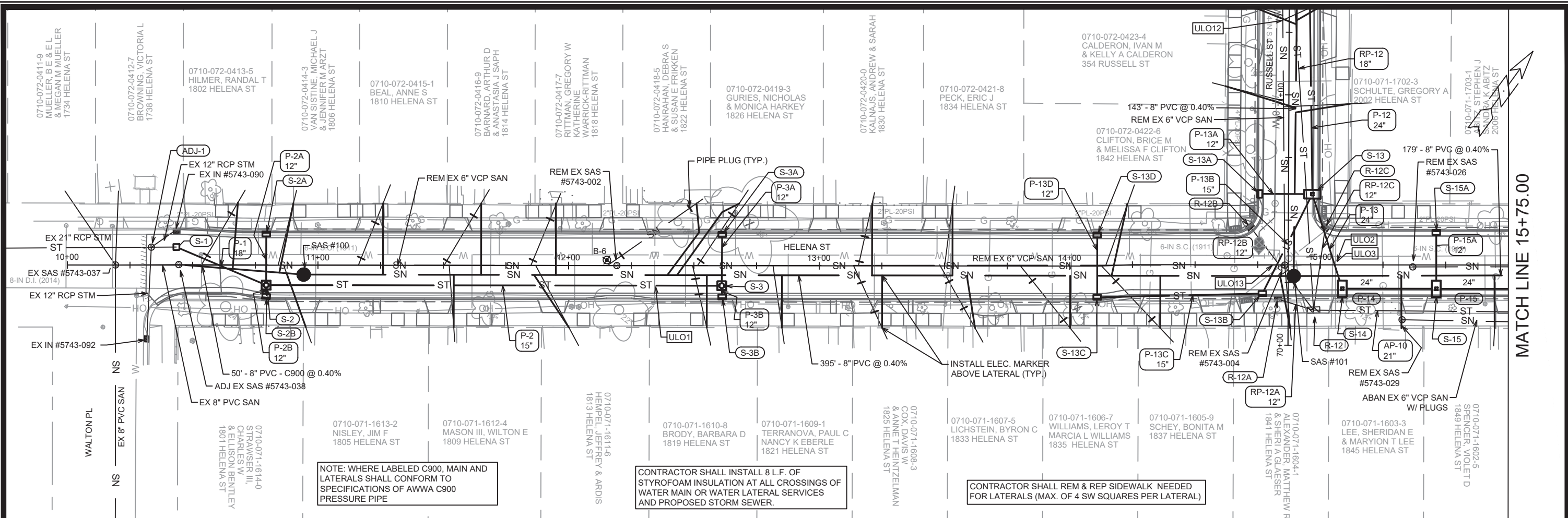
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RUSSELL STREET PLAN & PROFILE
HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
MADISON, WI
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CONTRACT NO: 8569

11189
P-7



11189	MADISON, WI	11189	P-8
PATH PLAN & PROFILE		CONTRACT NO: 8569	
HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021			
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3/15/22	KDF
DATE	BY
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DESIGNED BY: ##	REVISION
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11189
MADISON, WI
HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
CONTRACT NO: 8569

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 CITY OF MADISON WISCONSIN

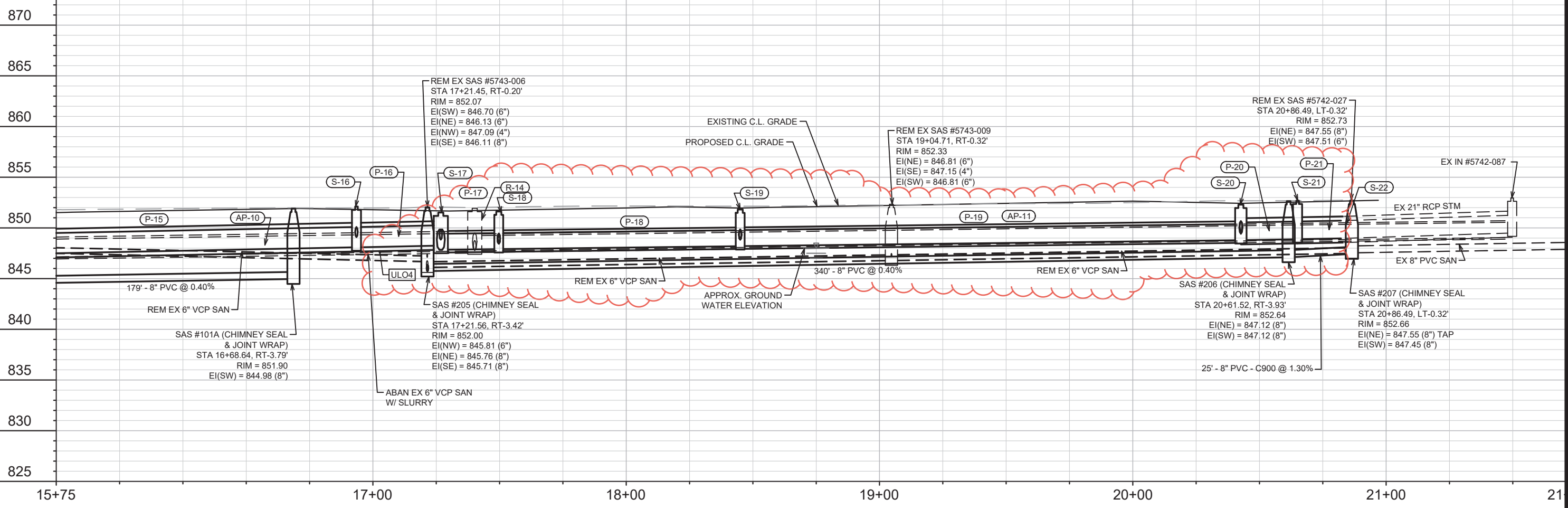
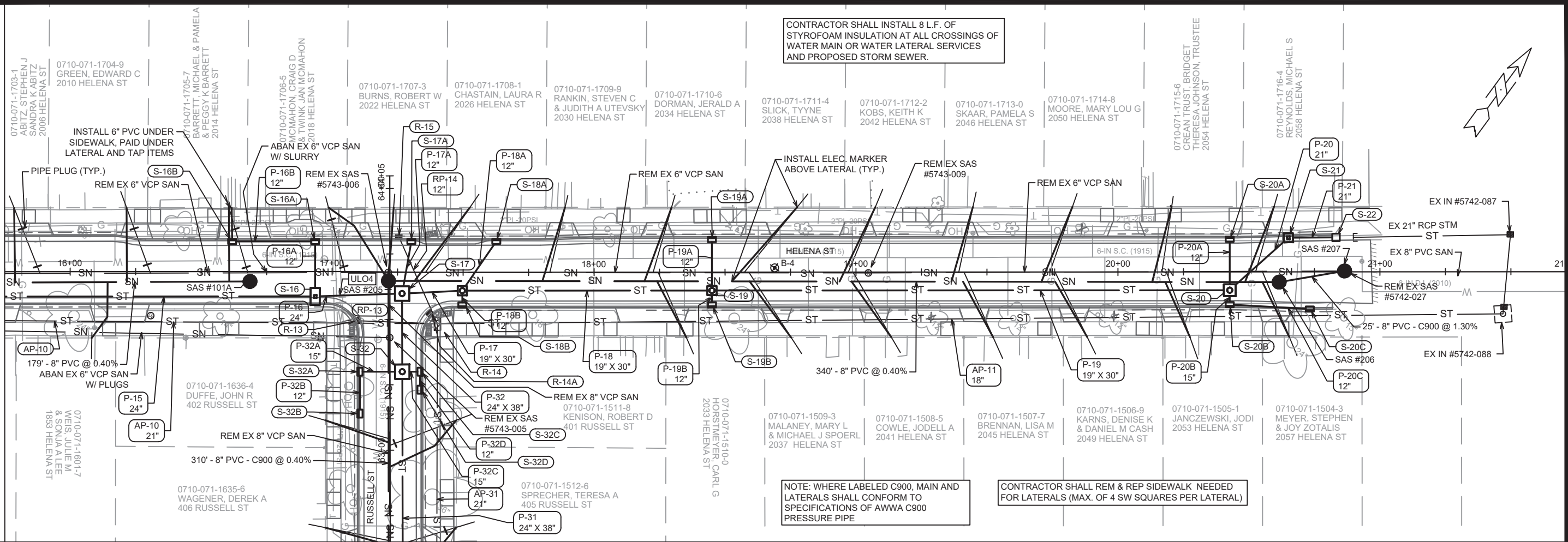
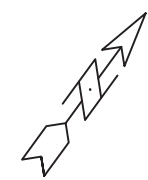
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U-1

MATCH LINE 15+75.00

CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.

NOTE: WHERE LABELED C900, MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE

CONTRACTOR SHALL REM & REP SIDEWALK NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

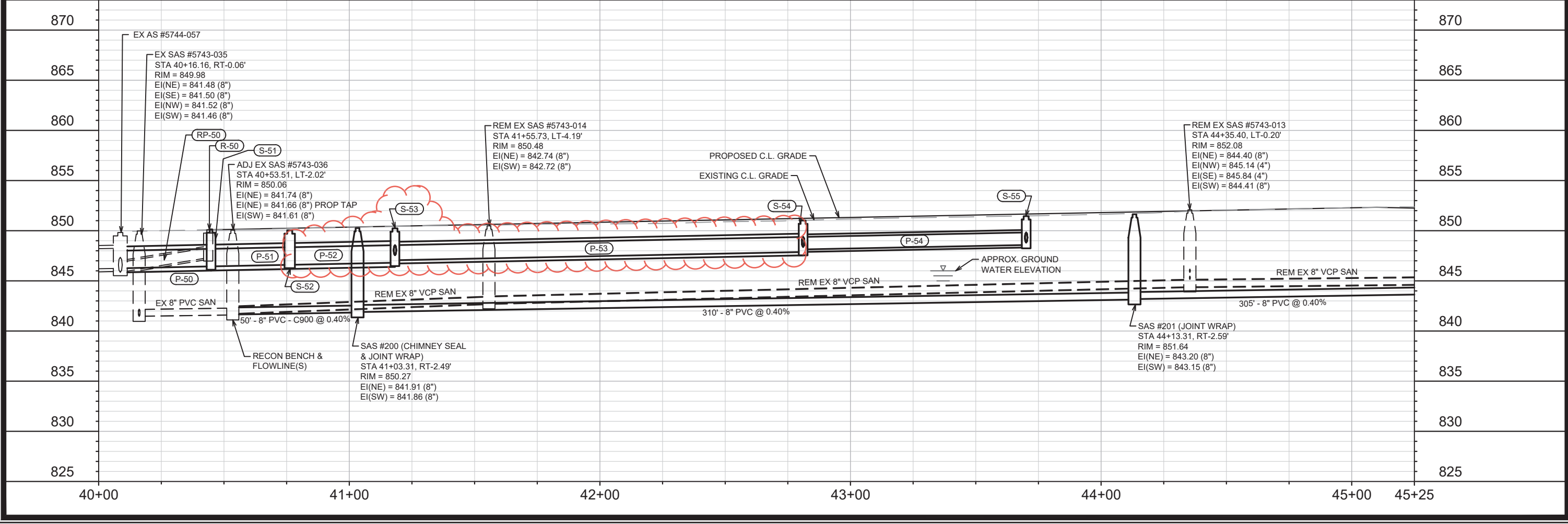
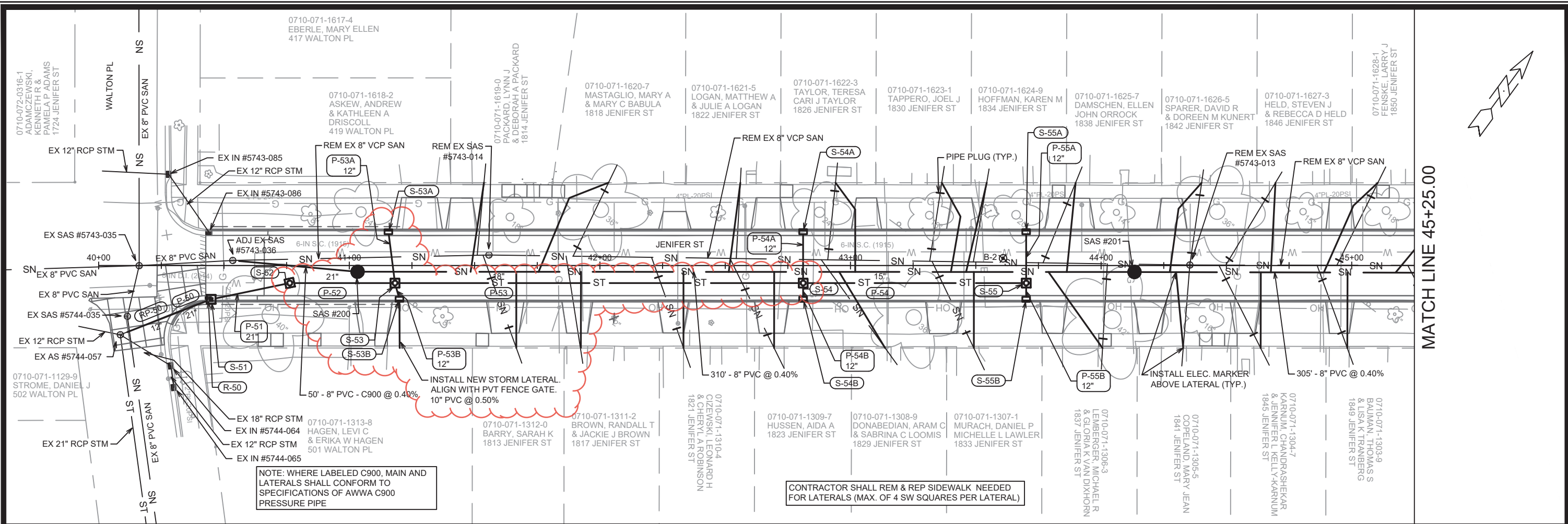


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REVISION		
DESIGNED BY	11189	
SCALE	AS SHOWN	
PROJECT NO.	11189	
CONTRACT NO.	8569	
BY		U-2

11189
 MADISON, WI
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CONTRACT NO.: 8569



11189
 U-2

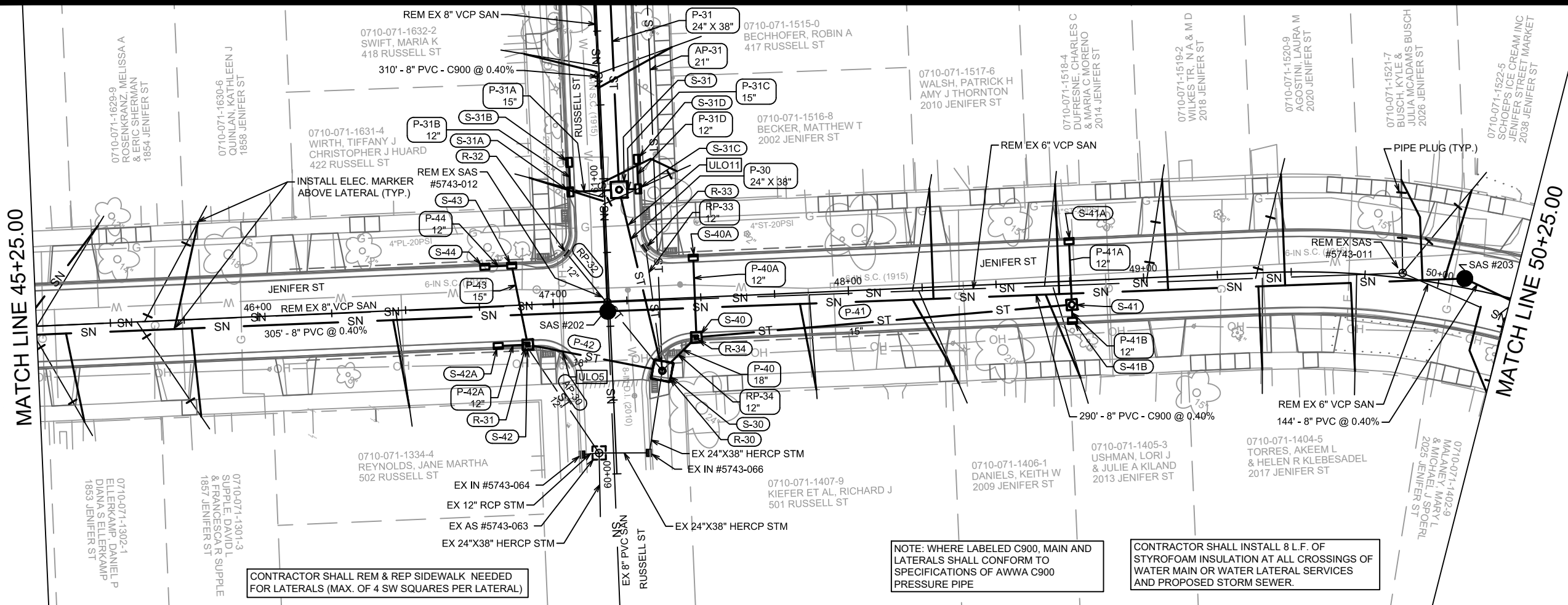
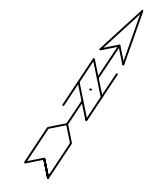


MATCH LINE 45+25.00

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HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021	MADISON, WI	8569	U-3
SEWER PLAN AND PROFILE - JENIFER STREET		CONTRACT NO:	U-3
		11189	U-3
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		1	KDF
		3/15/22	DATE

MATCH LINE 45+25.00

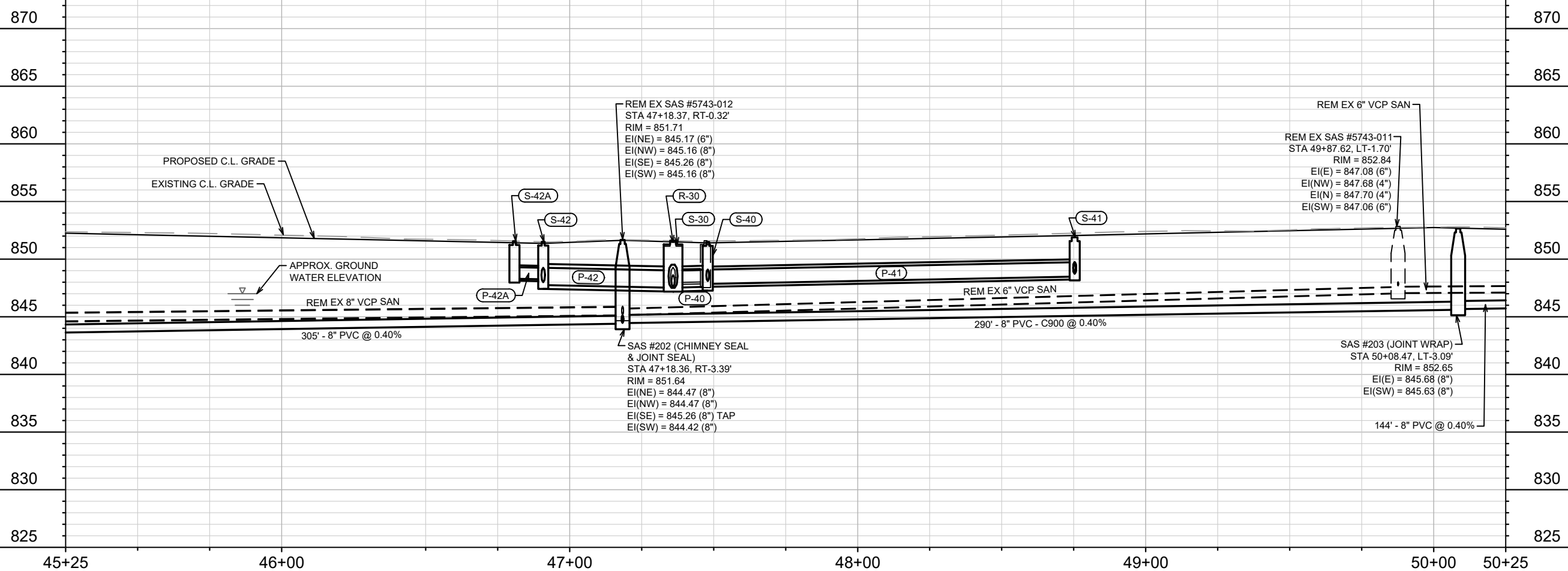
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CONTRACTOR SHALL REM & REP SIDEWALK NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

NOTE: WHERE LABELED C900, MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE

CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.



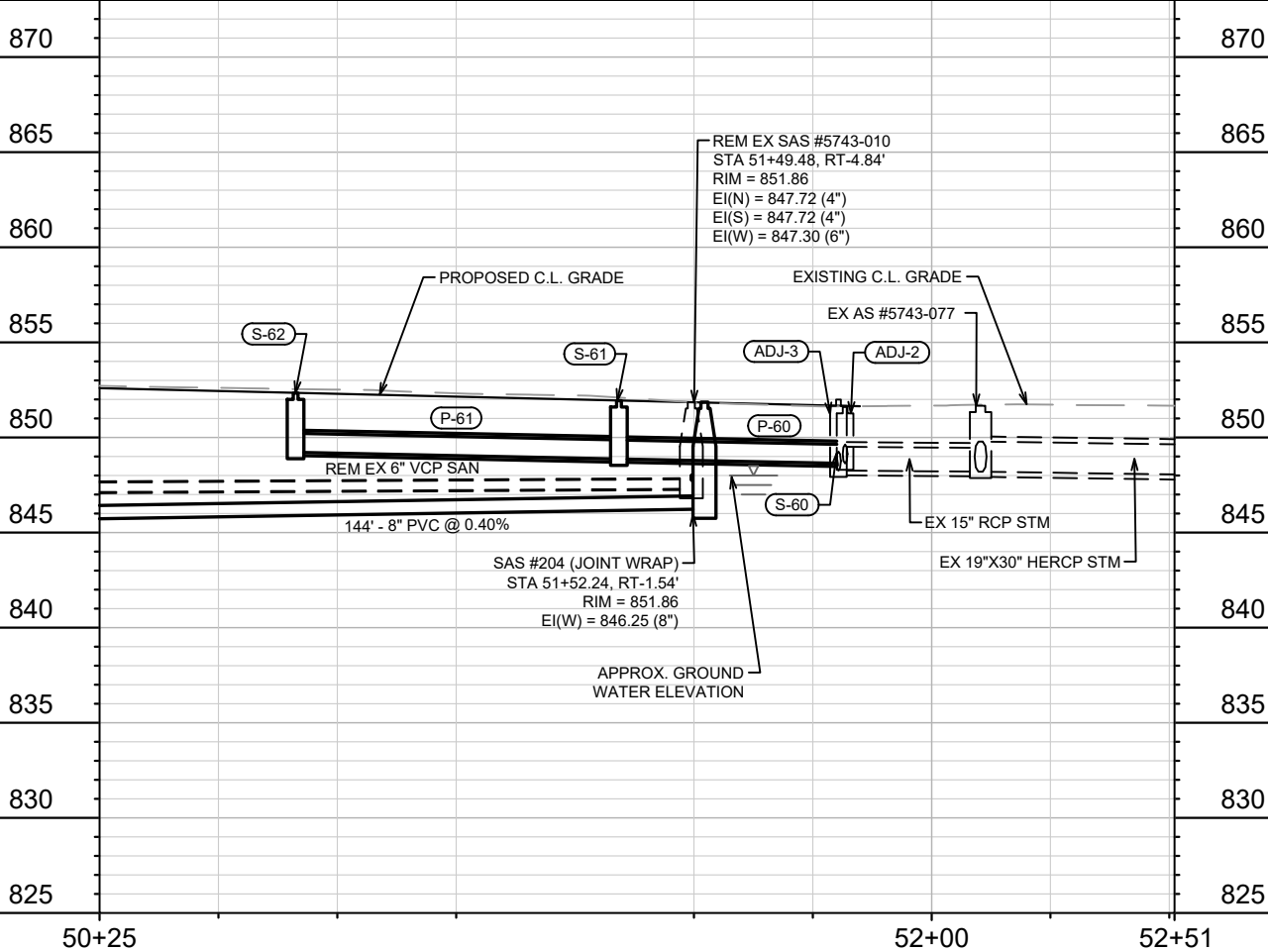
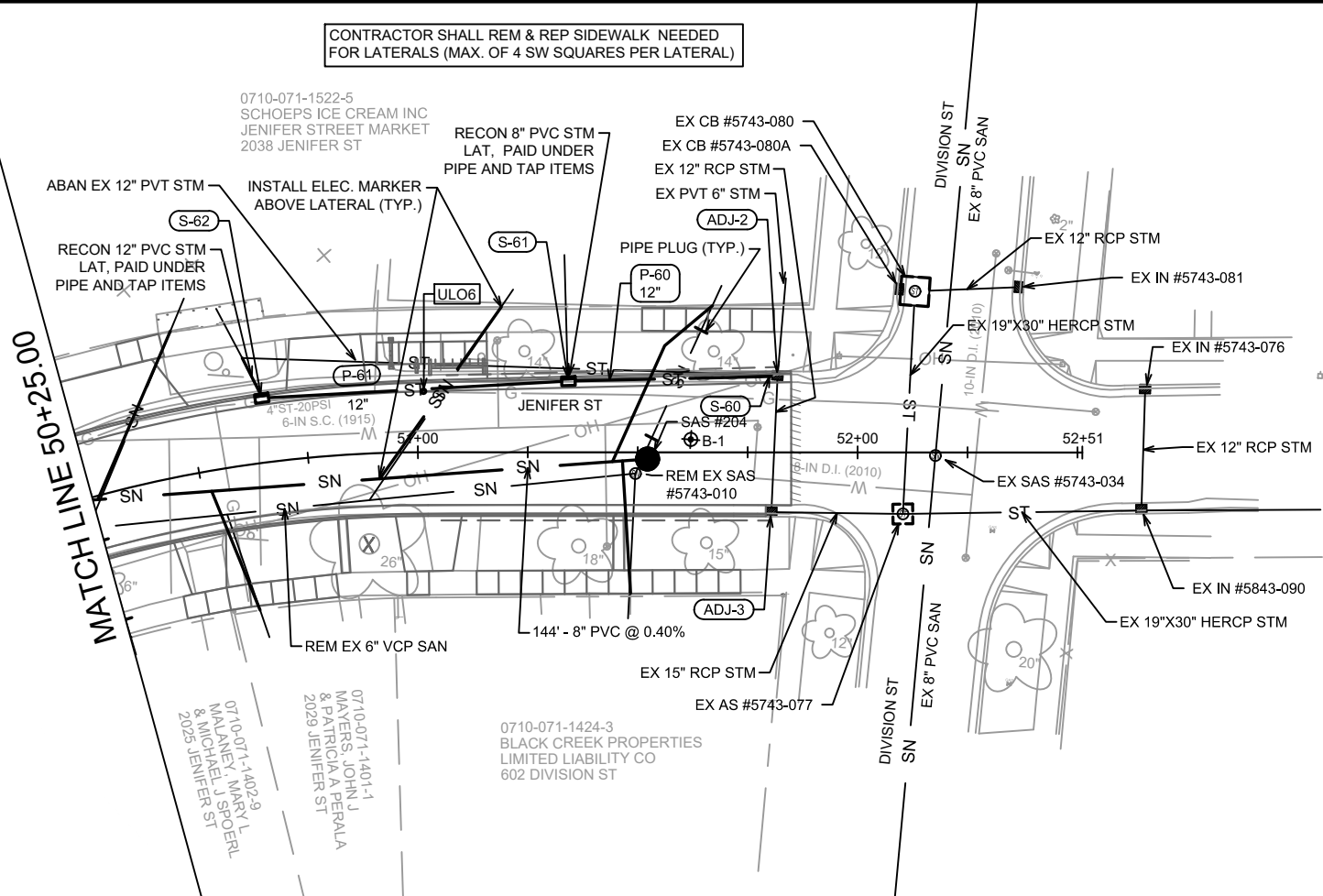
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 MADISON, WI
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CONTRACT NO: 8569
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11189
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 MADISON, WI
 CONTRACT NO: 8569

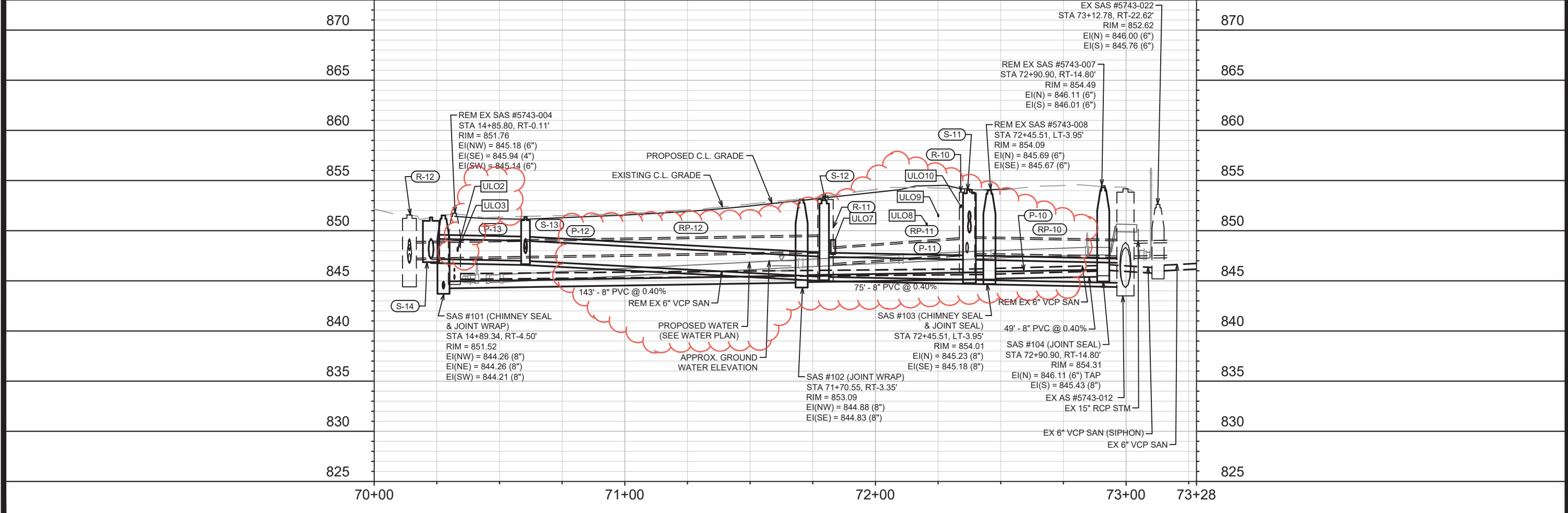
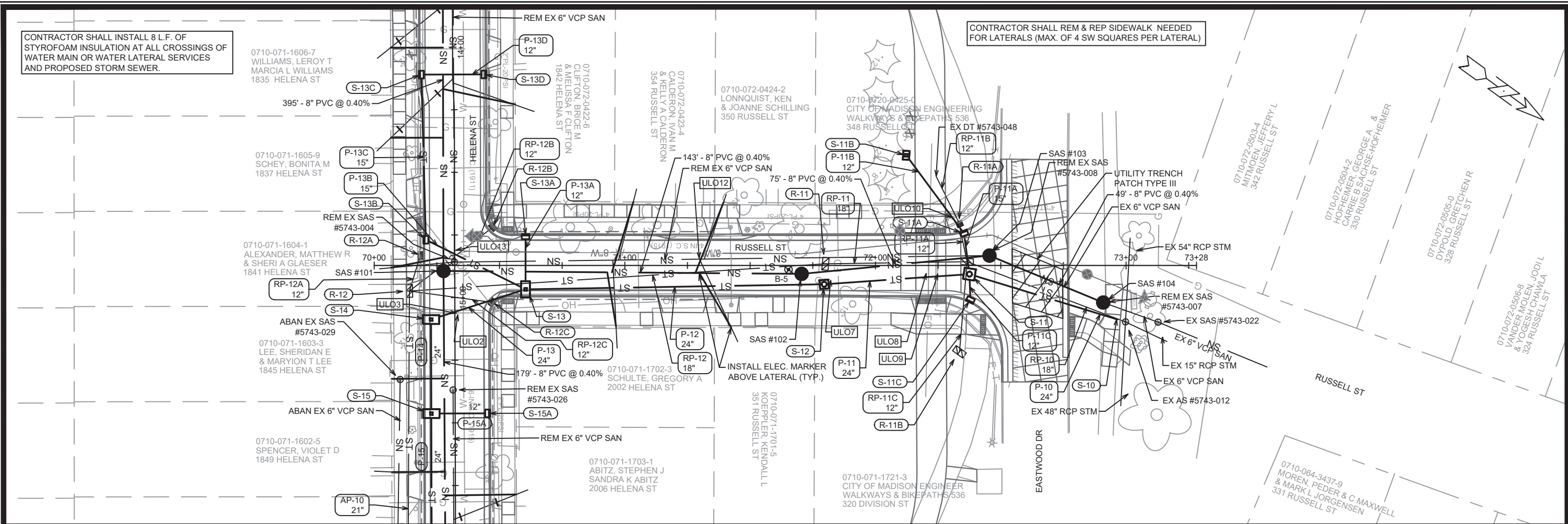
SEWER PLAN AND PROFILE - JENIFER STREET
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021



11189
 U-5

CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.

CONTRACTOR SHALL REM & REP SIDEWALK NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)



MARK	REVISION	DATE	BY
1	STORM SEWER WATER ADDED ULO INFO	3/15/22	KDF

11189
 MADISON, WI
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CONTRACT NO.: 8569

SEWER PLAN AND PROFILE - RUSSELL STREET (NORTH)

11189

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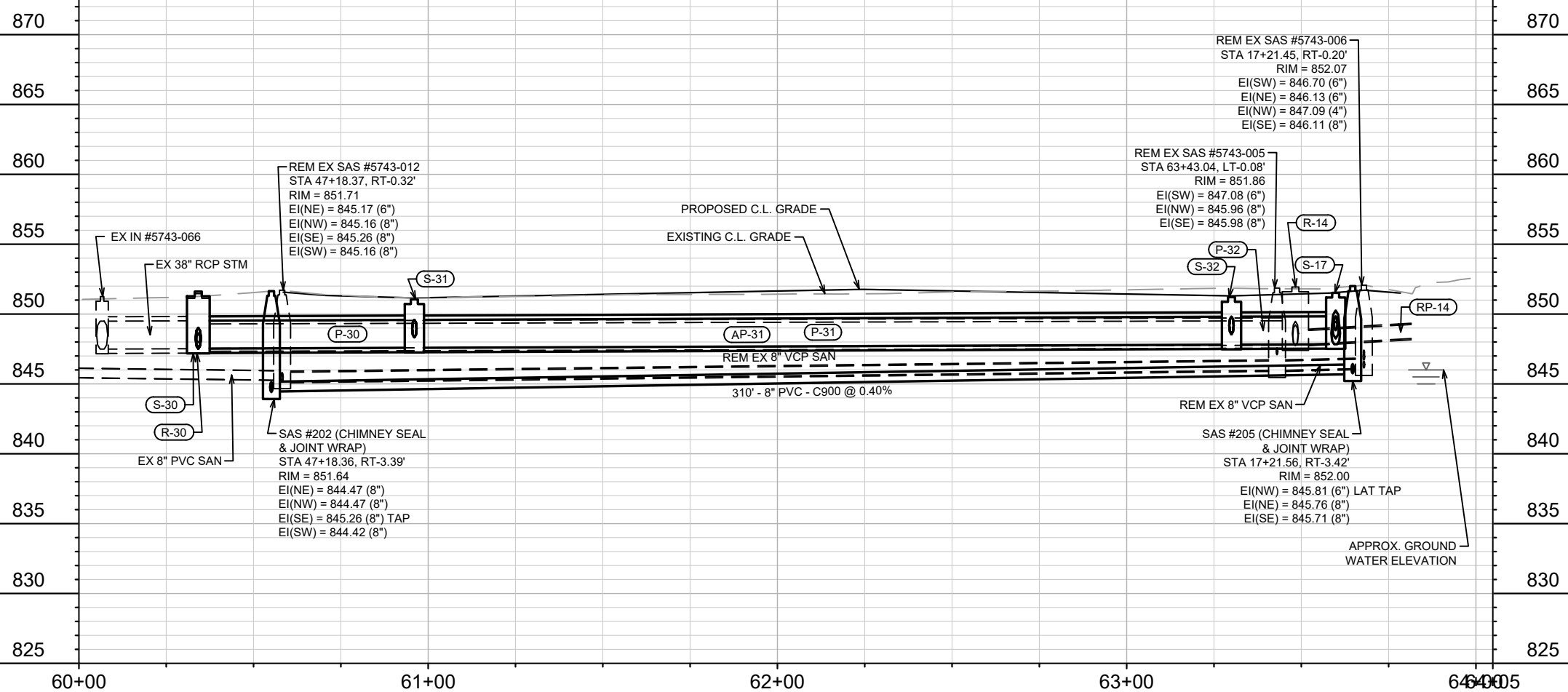
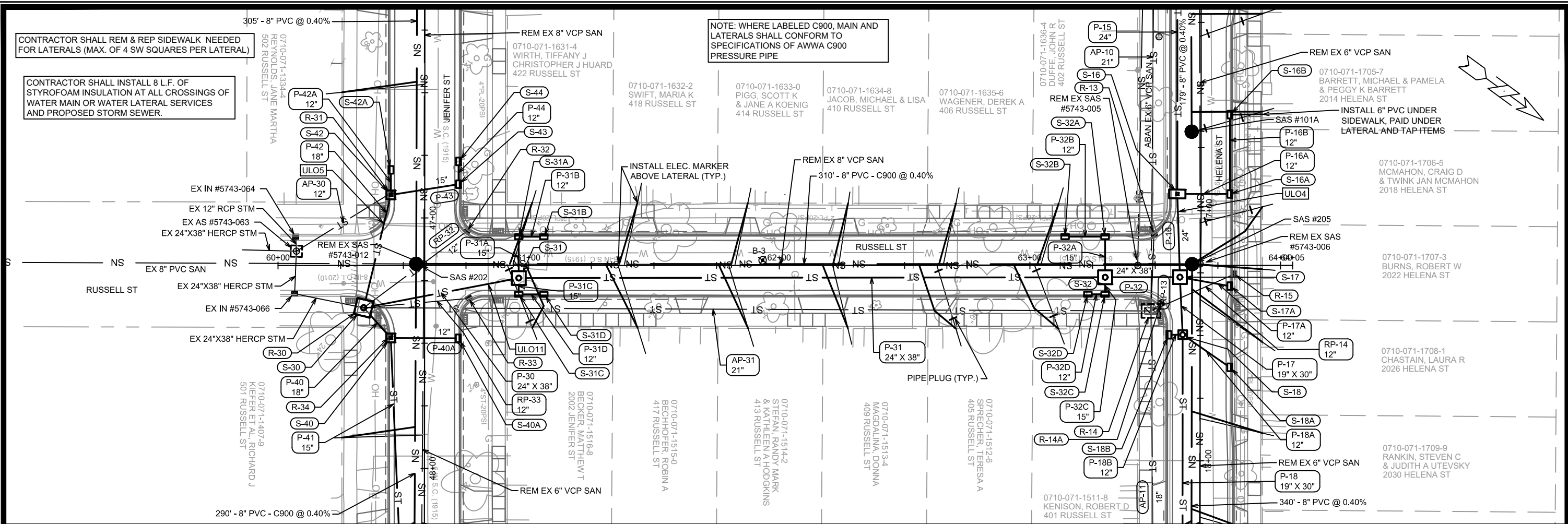
U-6

CONTRACTOR SHALL REM & REP SIDEWALK NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.

NOTE: WHERE LABELED C900, MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE

INSTALL 6" PVC UNDER SIDEWALK, PAID UNDER LATERAL AND TAP ITEMS



DESIGNED BY	DATE	BY
REVISION	REVISION	REVISION
DATE: 5/25/2021 7:10 PM	Scale: #####	U-7
MARK	11189	11189

11189
 MADISON, WI
 CONTRACT NO.: 8569

SEWER PLAN AND PROFILE - RUSSELL STREET (SOUTH)
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021



SANITARY SEWER SCHEDULE

HELENA, JENIFER, AND RUSSELL
ASSESSMENT DISTRICT - 2021

SHEET NO.
U-8

PROJECT NO. 11189
SANITARY SEWER SCHEDULE
CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HELENA STREET						
SAS #100	10+94.31	RT-3.72	850.85	842.58	8.27	[1], [2]
SAS #101	14+89.34	RT-4.50	851.52	844.21	7.31	[1], [2]
SAS #101A	16+68.64	RT-3.79	851.90	844.98	6.92	[1], [2]
SAS #205	17+21.56	RT-3.42	852.00	845.71	6.29	[1], [2]
SAS #206	20+61.52	RT-3.93	852.64	847.12	5.52	[1], [2]
SAS #207	20+86.49	LT-0.32	852.66	847.45	5.21	[1], [2]
JENIFER STREET						
SAS #200	41+03.31	RT-2.49	850.27	841.86	8.41	[1], [2]
SAS #201	44+13.31	RT-2.59	851.64	843.15	8.49	[2]
SAS #202	47+18.36	RT-3.39	851.64	844.42	7.22	[1], [2]
SAS #203	49+92.88	RT-0.14	852.77	845.63	7.14	[2]
SAS #204	51+52.24	RT-1.54	851.86	846.25	5.61	[2]
RUSSELL STREET						
SAS #102	71+70.55	RT-3.35	853.09	844.83	8.26	[2]
SAS #103	72+45.51	LT-3.95	854.01	845.18	8.83	[1], [2]
SAS #104	72+90.90	RT-14.80	854.31	845.43	8.88	[2]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
HELENA STREET								
#5743-038	SAS #100	842.38	842.58	50	0.40%	8"	C900	-
SAS #100	SAS #101	842.63	844.21	395	0.40%	8"	SDR-35	-
SAS #101	SAS #101A	844.26	844.98	179	0.40%	8"	SDR-35	-
SAS #205	SAS #206	845.76	847.12	340	0.40%	8"	SDR-35	-
SAS #206	SAS #207	847.12	847.45	25	1.30%	8"	SDR-35	-
JENIFER STREET								
#5743-036	SAS #200	841.66	841.86	50	0.40%	8"	C900	-
SAS #200	SAS #201	841.91	843.15	310	0.40%	8"	SDR-35	-
SAS #201	SAS #202	843.20	844.42	305	0.40%	8"	SDR-35	-
SAS #202	SAS #203	844.47	845.63	290	0.40%	8"	C900	-
SAS #203	SAS #204	845.68	846.25	144	0.40%	8"	SDR-35	-
RUSSELL STREET								
SAS #202	SAS #205	844.47	845.71	310	0.40%	8"	C900	-
SAS #101	SAS #102	844.26	844.83	143	0.40%	8"	SDR-35	-
SAS #102	SAS #103	844.88	845.18	75	0.40%	8"	SDR-35	-
SAS #103	SAS #104	845.23	845.43	49	0.40%	8"	SDR-35	-

SANITARY STRUCTURE ADJUSTMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
HELENA STREET						
SAS #5743-038	10+44.46	LT-0.22	850.72	850.76	0.04	-
JENIFER STREET						
SAS #5743-036	40+53.51	LT-2.02	850.06	850.08	0.02	-

SPECIFIC NOTES

- [1] INSTALL INTERNAL CHIMNEY SEAL IN ACCORDANCE WITH S.D.D. 5.7.17
- [2] INSTALL EXTERNAL SAS JOINT WRAP IN ACCORDANCE WITH S.D.D. 5.7.2

SANITARY SEWER SCHEDULE

HELENA, JENIFER, AND RUSSELL
ASSESSMENT DISTRICT - 2021

SHEET NO.
U-9

PROJECT NO. 11189
SANITARY SEWER SCHEDULE
CITY OF MADISON

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HELENA STREET						
SAS #5743-002	12+19.27	LT-0.01	851.18	844.72	6.46	-
SAS #5743-004	14+85.80	RT-0.11	851.76	845.14	6.62	-
SAS #5743-029	15+32.61	RT-21.89	851.79	848.33	3.46	-
SAS #5743-026	15+36.84	RT-0.79	851.61	847.73	3.88	-
SAS #5743-006	17+21.45	RT-0.20	852.07	846.11	5.96	-
SAS #5743-009	19+04.71	RT-0.32	852.33	846.81	5.52	-
SAS #5742-027	20+86.49	LT-0.32	852.73	847.51	5.22	-
JENIFER STREET						
SAS #5743-014	41+55.73	LT-4.19	850.48	842.72	7.76	-
SAS #5743-013	44+35.40	LT-0.20	852.08	844.40	7.68	-
SAS #5743-012	47+18.37	RT-0.32	851.71	845.16	6.55	-
SAS #5743-011	49+87.62	LT-1.70	852.84	847.06	5.78	-
SAS #5743-010	51+49.48	RT-4.84	851.86	847.30	4.56	-
RUSSELL STREET						
SAS #5743-005	63+43.04	LT-0.08	851.86	845.96	5.90	-

SANITARY PIPES REMOVALS

REMOVE FROM	REMOVE TO	TOTAL LGTH (FT)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
HELENA STREET						
SAS #5743-038	SAS #5743-002	171	131	6"	VCP	-
SAS #5743-002	SAS #5743-004	263	263	6"	VCP	-
SAS #5743-006	SAS #5743-026	131	131	6"	VCP	-
SAS #5743-006	SAS #5743-009	179	179	6"	VCP	-
SAS #5743-009	SAS #5742-027	178	160	6"	VCP	-
JENIFER STREET						
SAS #5743-036	SAS #5743-014	98	70	8"	VCP	-
SAS #5743-014	SAS #5743-013	276	276	8"	VCP	-
SAS #5743-013	SAS #5743-012	279	279	8"	VCP	-
SAS #5743-012	SAS #5743-011	276	276	6"	VCP	-
SAS #5743-011	SAS #5743-010	156	156	6"	VCP	-
RUSSELL STREET						
SAS #5743-012	SAS #5743-005	281	0	8"	VCP	-
SAS #5743-005	SAS #5743-006	21	0	8"	VCP	-
SAS #5743-004	SAS #5743-008	210	170	6"	VCP	-
SAS #5743-008	SAS #5743-007	45	0	6"	VCP	-

SANITARY PIPES ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
HELENA STREET						
SAS #5743-005	SAS #5743-029	186	6"	VCP	N	ABAN W/ PLUGS
SAS #5743-006	SAS #101A	45	6"	VCP	Y	ABAN W/ SLURRY

SPECIFIC NOTES

STORM SEWER SCHEDULE

*REVISED 3/15/2022 KDF

HELENA, JENIFER, AND RUSSELL ASSESSMENT DISTRICT - 2021	SHEET NO. U-10
PROJECT NO. 11189 STORM SEWER SCHEDULE CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
HELENA STREET							
S-1	10+43.50	LT-7.23	BEND	-	0.00	-	-
S-2	10+79.34	RT-7.94	3X3 SAS	850.52	846.63	3.89	W/R-1550-0054
S-2A	10+79.34	LT-12.50	H INLET	850.84	847.23	3.61	LP, UD, W/R-3067-7004-VB
S-2B	10+79.34	RT-12.44	H INLET	850.84	847.15	3.69	LP, UD, W/R-3067-7004-VB
S-3	12+61.13	RT-8.00	3X3 SAS	850.88	847.79	3.09	FP, W/R-1550-0054
S-3A	12+61.28	LT-12.50	H INLET	851.20	848.14	3.06	LP, UD, W/R-3067-7004-VB
S-3B	12+61.28	RT-12.50	H INLET	851.20	848.06	3.14	LP, UD, W/R-3067-7004-VB
JENIFER STREET							
S-40	47+47.94	RT-13.50	3X3 SAS	851.49	847.60	3.89	LP, UD, W/R-3067-7004-VB
S-40A	47+48.03	LT-13.50	H INLET	851.49	848.24	3.25	LP, UD, W/R-3067-7004-VB
S-41	48+75.33	RT-8.00	3X3 SAS	851.89	848.49	3.40	W/R-1550-0054
S-41A	48+75.33	LT-13.50	H INLET	852.12	848.85	3.27	W/R-3067-7004-V
S-41B	48+75.33	RT-13.50	H INLET	852.18	848.77	3.41	W/R-3067-7004-V
S-42	46+90.82	RT-13.50	3X3 SAS	851.51	847.75	3.76	LP, UD, W/R-3067-7004-VB
S-42A	46+80.82	RT-13.50	H INLET	851.56	848.30	3.26	W/R-3067-7004-V
S-43	46+86.54	LT-13.50	H INLET	851.48	848.14	3.34	LP, UD, W/R-3067-7004-VB
S-44	46+77.44	LT-13.50	H INLET	851.56	848.44	3.12	W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
HELENA STREET										
P-1	S-1	S-2	846.44	846.63	39	37.3	0.51%	18"	RCP	-
P-2A	S-2	S-2A	847.13	847.23	20	17.9	0.56%	12"	RCP	-
P-2B	S-2	S-2B	847.13	847.15	5	2.0	1.00%	12"	RCP	-
P-2	S-2	S-3	846.88	847.79	182	178.8	0.51%	15"	RCP	-
P-3A	S-3	S-3A	848.04	848.14	21	18.0	0.56%	12"	RCP	-
P-3B	S-3	S-3B	848.04	848.06	5	2.0	1.00%	12"	RCP	-
JENIFER STREET										
P-13B	S-13	S-13B	847.74	847.96	44	41.6	0.53%	15"	RCP	-
P-13C	S-13B	S-13C	847.96	848.29	66	63.0	0.52%	15"	RCP	-
P-13D	S-13C	S-13D	848.54	848.67	25	23.0	0.56%	12"	RCP	-
P-13	S-13	S-14	846.99	847.19	40	34.8	0.57%	24"	RCP	-
P-14	S-14	S-15	847.19	847.36	38	34.6	0.49%	24"	RCP	-
P-15A	S-15	S-15A	848.36	848.47	23	18.5	0.59%	12"	RCP	-
P-15	S-15	S-16	847.36	848.09	147	144.3	0.51%	24"	RCP	-
P-16A	S-16	S-16A	849.09	849.20	21	17.0	0.65%	12"	RCP	-
P-16B	S-16A	S-16B	849.20	849.36	32	28.7	0.56%	12"	RCP	-
P-16	S-16	S-17	848.09	848.25	33	29.2	0.55%	24"	RCP	-
P-17A	S-17	S-17A	848.84	848.94	20	16.7	0.60%	12"	RCP	-
* P-17	S-17	S-18	847.84	847.91	23	19.0	0.37%	19"X30"	HERCP	-
P-18A	S-18	S-18A	848.44	848.55	23	19.8	0.56%	12"	RCP	-
P-18B	S-18	S-18B	848.44	848.47	6	3.0	1.00%	12"	RCP	-
* P-18	S-18	S-19	847.91	848.20	95	92.3	0.31%	19"X30"	HERCP	-
P-19A	S-19	S-19A	848.84	848.94	20	17.0	0.59%	12"	RCP	-
P-19B	S-19	S-19B	848.84	848.87	6	3.0	1.00%	12"	RCP	-
* P-19	S-19	S-20	848.20	848.79	198	194.2	0.30%	19"X30"	HERCP	-
P-20A	S-20	S-20A	849.67	849.77	20	16.5	0.61%	12"	RCP	-
P-20B	S-20	S-20B	849.42	849.45	6	2.5	1.20%	15"	RCP	-
P-20C	S-20B	S-20C	849.70	849.85	31	27.6	0.54%	12"	RCP	-
* P-20	S-20	S-21	848.79	848.88	30	25.2	0.36%	21"	RCP	-
* P-21	S-21	S-22	848.88	848.97	25	23.3	0.39%	21"	RCP	-

STANDARD NOTES:

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.7.3
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.7.5

SPECIFIC NOTES:

- [1] OFFSET PIPES COMING INTO STRUCTURE BY 2' FROM CENTER, AWAY FROM CURB. STRUCTURE SHALL HAVE ONE R-3067-7004-VB AND ONE R-1550-0054
- [2] OFFSET PIPES COMING INTO STRUCTURE BY 2' FROM CENTER, AWAY FROM CURB. STRUCTURE SHALL HAVE ONE R-3067-7004-V AND ONE R-1550-0054

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- TOP OF CONCRETE ROOF (TR) IS 1.25 BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3.
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

*REVISED 3/15/2022 KDF

HELENA, JENIFER, AND RUSSELL ASSESSMENT DISTRICT - 2021	SHEET NO. U-11
PROJECT NO. 11189 STORM SEWER SCHEDULE CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
JENIFER STREET							
S-50	40+44.87	RT-13.50	TAP	-	846.25	-	-
S-51	40+44.87	RT-13.50	3X3 SAS	850.13	846.44	3.69	FP, W/R-3067-7004-VB
S-52	40+76.24	RT-7.00	3X3 SAS	850.03	846.60	3.43	FP, W/R-1550-0054
* S-53	41+18.24	RT-7.00	3X3 SAS	850.23	846.81	3.42	FP, W/R-1550-0054
* S-53A	41+15.60	LT-13.50	H INLET	850.57	847.66	2.91	W/R-3067-7004-V
* S-53B	41+20.00	RT-13.50	H INLET	850.47	847.59	2.88	W/R-3067-7004-V
S-54	42+81.10	RT-7.00	3X3 SAS	851.02	847.88	3.14	FP, W/R-1550-0054
S-54A	42+81.10	LT-13.50	H INLET	851.36	848.48	2.88	FP, W/R-3067-7004-V
S-54B	42+81.10	RT-13.50	H INLET	851.24	848.41	2.83	FP, W/R-3067-7004-V
S-55	43+70.10	RT-7.00	3X3 SAS	851.45	848.57	2.88	FP, W/R-1550-0054
S-55A	43+70.10	LT-13.50	H INLET	851.79	848.92	2.87	FP, W/R-3067-7004-V
S-55B	43+70.10	RT-13.50	H INLET	851.67	848.85	2.82	FP, W/R-3067-7004-V
S-60	51+34.24	LT-16.18	TAP	-	848.63	-	-
S-61	51+34.24	LT-16.18	H INLET	851.93	848.87	3.06	W/R-3067-7004-V
S-62	50+66.23	LT-14.64	H INLET	852.34	849.22	3.12	W/R-3067-7004-V
RUSSELL STREET							
* S-10	72+99.76	RT-22.53	TAP	-	844.78	-	-
* S-11	72+37.52	RT-3.44	4X4 SAS	854.06	845.11	8.95	W/R-1550-0054
S-11A	72+35.33	LT-12.88	H INLET	853.83	849.96	3.87	LP, W/R-3067-7004-VB
S-11B	72+12.28	LT-44.00	H INLET	854.05	850.60	3.45	LP, W/R-3067-7004-VB
S-11C	72+37.88	RT-13.77	H INLET	854.22	851.05	3.17	LP, W/R-1878-B7G
* S-12	71+79.56	RT-7.50	3X3 SAS	853.04	845.39	7.65	W/R-1550-0054
S-13	70+60.39	RT-9.50	3X6 SAS	851.37	846.99	4.38	LP, UD, W/R-3067-7004-VB
S-13A	70+60.40	LT-11.50	H INLET	850.85	848.30	2.55	FP, LP, UD, W/R-3067-7004-VB
S-30	6034+17.00	RT-16.70	6X6 SAS	851.60	847.52	4.08	FP, W/R-1550-0054
S-31	60+96.04	RT-5.01	5X5 SAS	851.05	847.58	3.47	FP, W/R-1689-0054
S-31A	60+96.04	LT-11.50	H INLET	851.33	848.41	2.92	LP, UD, W/R-3067-7004-VB
S-31B	61+06.04	LT-11.50	H INLET	851.37	848.71	2.66	FP, W/R-3067-7004-V
S-31C	60+96.04	RT-11.50	H INLET	851.33	848.36	2.97	LP, UD, W/R-3067-7004-VB
S-31D	61+06.04	RT-11.50	H INLET	851.37	848.66	2.71	FP, W/R-3067-7004-V
S-32	63+30.01	RT-4.69	5X5 SAS	851.21	847.81	3.40	FP, W/R-1689-0054
S-32A	63+30.02	LT-11.50	H INLET	851.48	848.64	2.84	LP, UD, W/R-3067-7004-VB
S-32B	63+14.03	LT-11.50	H INLET	851.55	848.97	2.58	FP, W/R-3067-7004-V
S-32C	63+30.00	RT-11.50	H INLET	851.48	848.59	2.89	LP, UD, W/R-3067-7004-VB
S-32D	63+23.13	RT-11.50	H INLET	851.51	848.87	2.64	FP, W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
JENIFER STREET										
P-50	S-50	S-51	846.25	846.44	39	34.6	0.55%	21"	RCP	-
P-51	S-51	S-52	846.44	846.60	32	29.0	0.55%	21"	RCP	-
* P-52	S-52	S-53	846.60	846.81	42	39.0	0.54%	21"	RCP	-
* P-53	S-53	S-54	847.06	847.88	163	159.9	0.51%	18"	RCP	-
* P-53A	S-53	S-53A	847.56	847.66	21	18.2	0.55%	12"	RCP	-
* P-53B	S-53	S-53B	847.56	847.59	7	4.1	0.73%	12"	RCP	-
P-54	S-54	S-55	848.13	848.57	89	86.0	0.51%	15"	RCP	-
P-54A	S-54	S-54A	848.38	848.48	21	18.0	0.56%	12"	RCP	-
P-54B	S-54	S-54B	848.38	848.41	7	4.0	0.75%	12"	RCP	-
P-55A	S-55	S-55A	848.82	848.92	21	18.0	0.56%	12"	RCP	-
P-55B	S-55	S-55B	848.82	848.85	7	4.0	0.75%	12"	RCP	-
P-60	S-60	S-61	848.63	848.87	48	44.6	0.54%	12"	RCP	-
P-61	S-61	S-62	848.87	849.22	70	66.8	0.52%	12"	RCP	-
RUSSELL STREET										
* P-10	S-10	S-11	844.78	845.11	65	60.0	0.55%	24"	RCP	-
P-11A	S-11	S-11A	849.80	849.96	17	13.4	1.20%	15"	RCP	-
P-11B	S-11A	S-11B	850.21	850.60	39	36.0	1.08%	12"	RCP	-
P-11C	S-11	S-11C	850.95	851.05	10	7.2	1.40%	12"	RCP	-
* P-11	S-11	S-12	845.11	845.39	56	52.9	0.53%	24"	RCP	-
* P-12	S-12	S-13	845.39	846.99	119	116.2	1.38%	24"	RCP	-
P-13A	S-13	S-13A	848.19	848.30	21	17.0	0.65%	12"	RCP	-
P-30	S-30	S-31	847.52	847.58	63	57.2	0.10%	24"X38"	HERCP	-
P-31A	S-31	S-31A	848.33	848.41	17	13.0	0.61%	15"	RCP	-
P-31B	S-31A	S-31B	848.66	848.71	10	7.0	0.71%	12"	RCP	-
P-31C	S-31	S-31C	848.33	848.36	7	3.0	1.00%	15"	RCP	-
P-31D	S-31C	S-31D	848.61	848.66	10	7.0	0.71%	12"	RCP	-
P-31	S-31	S-32	847.58	847.81	234	229.0	0.10%	24"X38"	HERCP	-
P-32A	S-32	S-32A	848.56	848.64	16	12.7	0.63%	15"	RCP	-
P-32B	S-32A	S-32B	848.89	848.97	16	13.0	0.62%	12"	RCP	-
P-32C	S-32	S-32C	848.56	848.59	7	3.3	0.90%	15"	RCP	-
P-32D	S-32C	S-32D	848.84	848.87	7	3.9	0.77%	12"	RCP	-
P-32	S-32	S-17	847.81	847.84	30	24.9	0.12%	24"X38"	HERCP	-

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	TYPE	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
HELENA STREET							
ADJ-1	10+33.50	LT-7.15	SAS	850.55	850.57	0.02	-
JENIFER STREET							
ADJ-2	51+81.81	LT-17.27	INLET	851.60	851.65	0.05	-
ADJ-3	51+80.41	RT-13.59	INLET	851.99	851.98	-0.01	-

SPECIFIC NOTES

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- TOP OF CONCRETE ROOF (TR) IS 1.25 BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3.
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

*REVISED 3/15/2022 KDF

HELENA, JENIFER, AND RUSSELL ASSESSMENT DISTRICT - 2021	SHEET NO. U-12
PROJECT NO. 11189 STORM SEWER SCHEDULE CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
HELENA STREET							
R-12	14+97.29	RT-18.10	SAS	851.57	846.87	4.70	-
R-12A	14+83.02	RT-13.71	INLET	851.51	847.00	4.51	[1]
R-12B	14+71.86	LT-15.32	INLET	852.36	848.50	3.86	[1]
R-12C	15+01.93	LT-15.02	INLET	852.14	848.50	3.64	[1]
R-13	17+09.69	RT-18.78	INLET	852.78	850.00	2.78	[1]
R-14	17+40.20	RT-19.63	SAS	851.93	847.73	4.20	-
R-14A	17+37.32	RT-15.47	INLET	852.79	850.00	2.79	-
R-15	17+25.36	LT-13.40	INLET	852.87	850.00	2.87	[1]

JENIFER STREET

R-30	47+35.89	RT-24.31	SAS	851.46	847.52	3.94	-
R-31	46+90.32	RT-13.65	INLET	851.68	848.44	3.24	-
R-32	47+05.17	LT-16.97	INLET	852.48	848.35	4.13	-
R-33	47+32.12	LT-17.55	INLET	852.43	848.05	4.38	-
R-34	47+47.18	RT-13.72	INLET	851.60	848.03	3.57	-
R-50	40+43.72	RT-13.48	INLET	850.09	847.31	2.78	-

RUSSELL STREET

R-10	72+36.58	LT-1.51	SAS	854.17	847.25	6.92	-
R-11	71+80.07	LT-0.67	SAS	853.45	846.67	6.78	-
R-11A	72+33.19	LT-17.39	INLET	855.23	851.07	4.16	-
R-11B	72+33.55	RT-34.46	SAS	854.31	847.51	6.80	-

STORM SEWER ULOs (5 ADDITIONAL INDISTRIBUTED ULOs INCLUDED)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
HELENA STREET					
* ULO1	12+34.66	RT-8.00	2" STEEL ELECTRIC	848.78	CONFLICT, TO BE RELOCATED
* ULO2	15+06.32	LT-1.13	2" ELECTRIC	848.30	CONFLICT, TO BE RELOCATED
* ULO3	15+06.32	LT-1.13	1" TELEPHONE	848.18	CONFLICT, TO BE RELOCATED
* ULO4	17+02.75	RT-9.30	2" TELE DIRECT BURY	847.72	OK, STM BTM = 847.89
* ULO14	20+83.28	LT-12.87	21" STORM SEWER	850.95	STORM REVISED
JENIFER STREET					
* ULO5	47+02.38	RT-16.30	GAS	-	DID NOT DO - TO BE RELOCATED
* ULO6	51+01.33	LT-13.85	GAS	-	DID NOT DO - TO BE RELOCATED
RUSSELL STREET					
* ULO7	71+82.16	RT-5.40	TELEPHONE DUCT	849.08	CONFLICT, 'BTM = 847.67, STORM REVISED
* ULO8	72+20.44	RT-2.72	2" STEEL FIBER	850.74	OK
* ULO9	72+25.07	RT-2.88	2" STEEL ELECTRIC	851.61	OK
* ULO10A	72+34.19	LT-20.23	2" STEEL FIBER	852.55	OK
* ULO10B	72+33.90	LT-20.94	2" STEEL ELECTRIC	852.50	OK
* ULO11	60+83.85	RT-7.35	GAS	-	DID NOT DO - TO BE RELOCATED
* ULO12	71+29.70	LT-2.35	SOIL SAMPLING	-	[2], COMPLETED
* ULO13	70+32.11	LT-6.00	SOIL SAMPLING	-	[2], COMPLETED

SPECIFIC NOTES

- [1] INLET IS A TUB INLET AND PIPE INVERT IS ESTIMATED
 [2] ULO IS TO BE PERFORMED TO DETERMINE IF CONTAMINATED SOILS ARE PRESENT. ULO SHALL BE EXCAVATED TO A DEPTH BELOW THE EXISTING SANITARY SEWER MAIN. CONTRACTOR SHALL COORDINATE WITH BRYNN BEMIS, 608-695-1385 OR BBEMIS@CITYOFMADISON.COM TO TAKE SOIL SAMPLES WHILE THE EXCAVATION IS OPEN.

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
HELENA STREET							
RP-12A	R-12	R-12A	10	10	12"	VCP	-
RP-12B	R-12	R-12B	38	38	12"	VCP	-
RP-12C	R-12	R-12C	30	30	12"	VCP	-
RP-13	R-13	R-14	25	25	21"	VCP	-
RP-14	R-14	R-15	32	10	12"	VCP	-

JENIFER STREET

RP-32	R-30	R-32	48	48	12"	RCP/VCP	-
RP-33	R-30	R-33	38	0	12"	RCP/VCP	-
RP-34	R-30	R-34	12	0	12"	RCP/VCP	-
RP-50	S-50	R-50	34	0	12.00	RCP	-

RUSSELL STREET

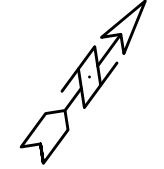
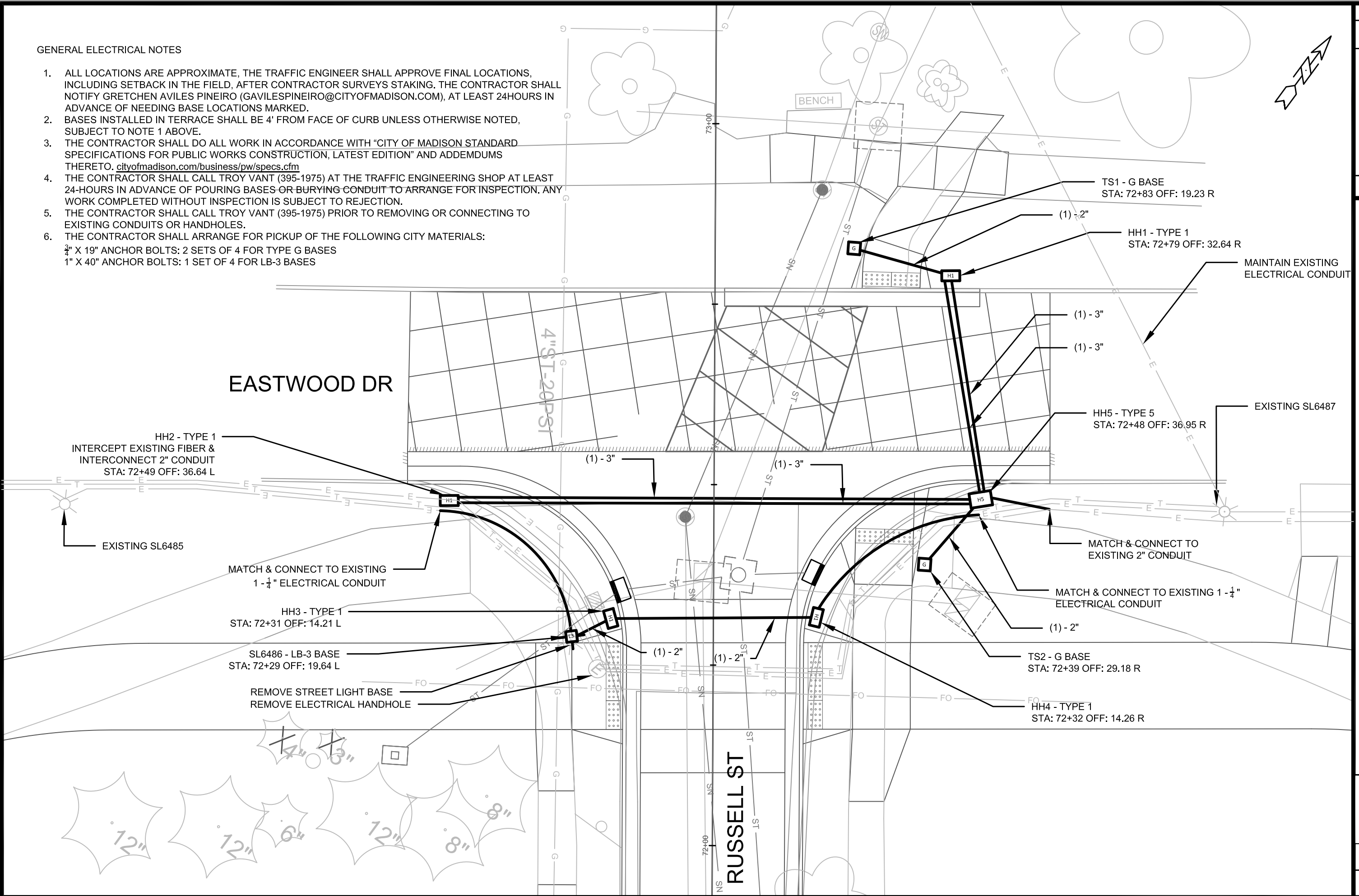
RP-10	AS #5743-012	R-10	62	0	18"	VCP	-
RP-11	R-10	R-11	52	0	18"	VCP	-
RP-11A	R-11A	R-10	12	0	12"	VCP	-
RP-11B	R-11A	DT #5743-048	20	10	12"	RCP	-
RP-11C	R-11B	R-10	28	15	12"	VCP	-
RP-12	R-11	R-12	161	35	18"	VCP	-

STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
HELENA STREET							
AP-10	R-12	R-13	236	21	VCP	Y	SIX (6) PAID PIPE PLUGS
AP-11	R-14	IN #5742-088	404	18	VCP	Y	FOURTEEN (14) PAID PIPE PLUGS
JENIFER STREET							
AP-30	AS #5743-063	R-31	40	12	RCP	Y	ONE (1) PAID PIPE PLUG
AP-31	R-14	R-30	307	21	VCP	Y	TWELVE (12) PIPE PLUGS

GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDEMDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
 $\frac{3}{4}$ " X 19" ANCHOR BOLTS: 2 SETS OF 4 FOR TYPE G BASES
 1" X 40" ANCHOR BOLTS: 1 SET OF 4 FOR LB-3 BASES



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 MADISON, WI
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CONTRACT NO.: 8569
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Install PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (8-Foot separation)

Install PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH

Eastwood Dr

Russell St



PAVEMENT MARKING PLAN

HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI

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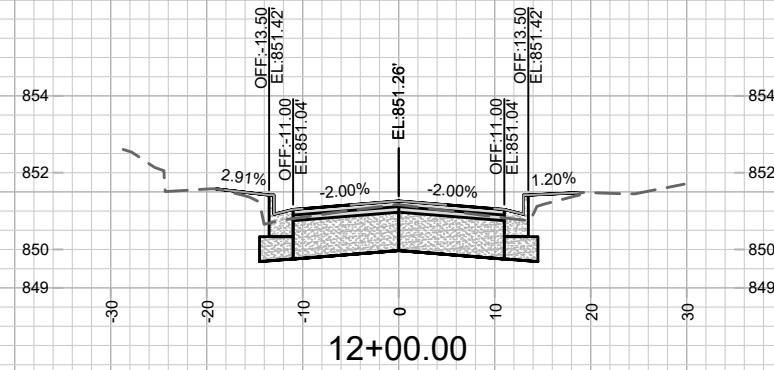
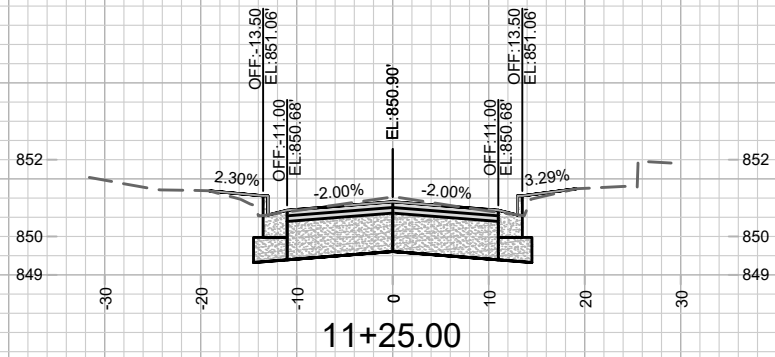
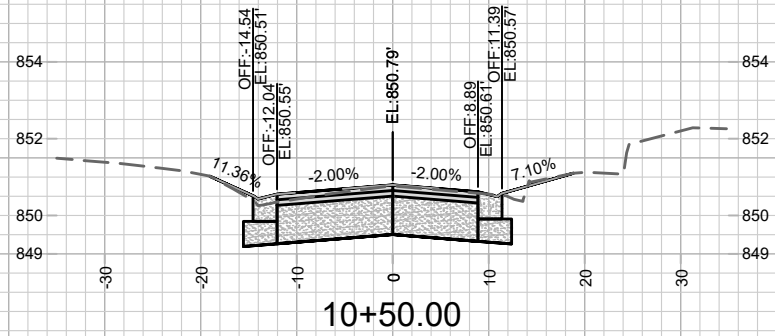
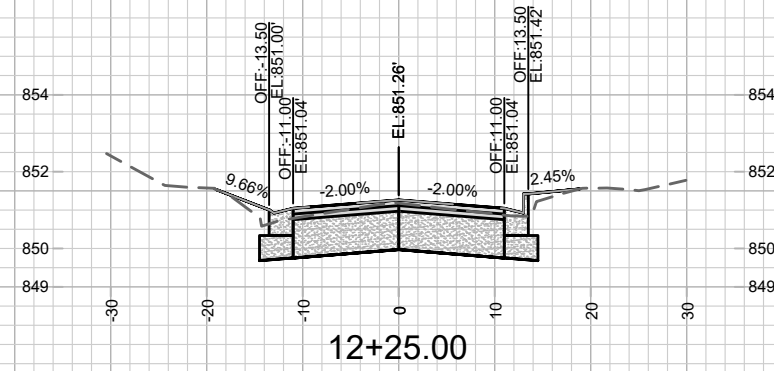
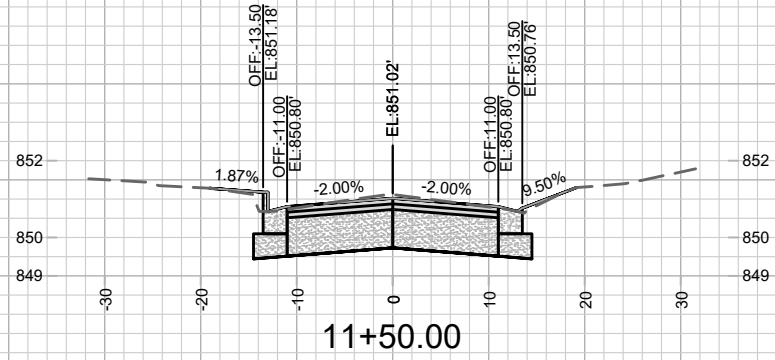
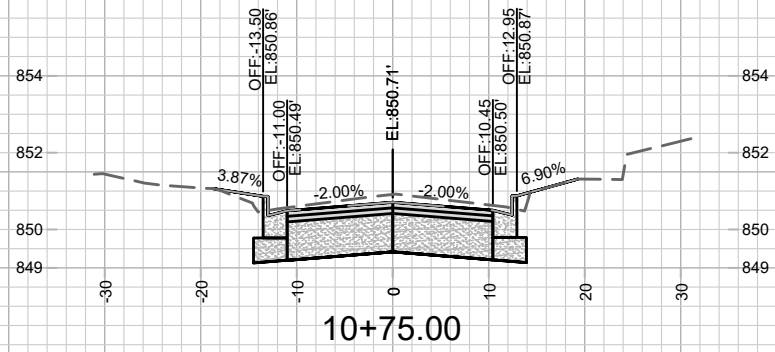
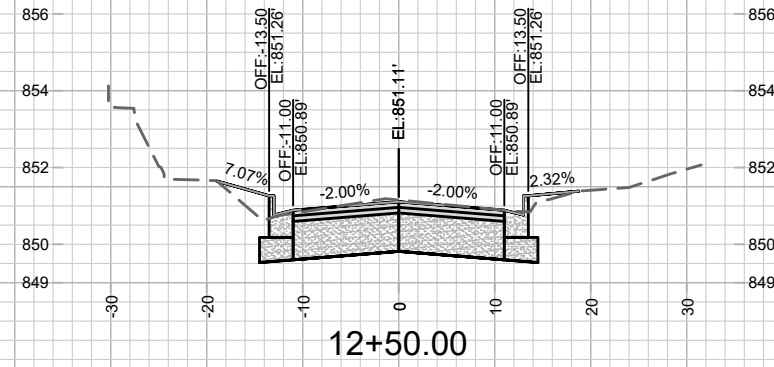
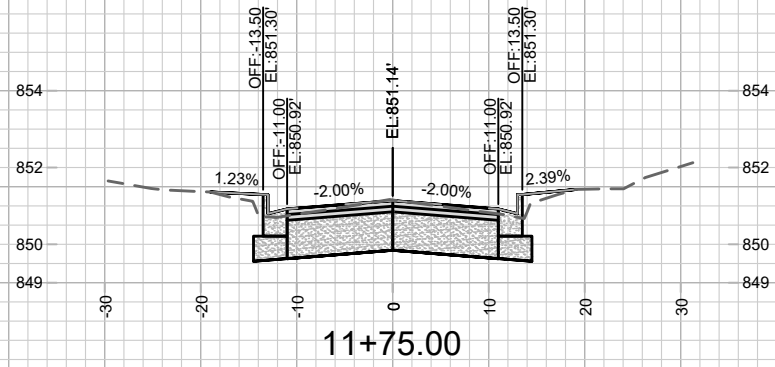
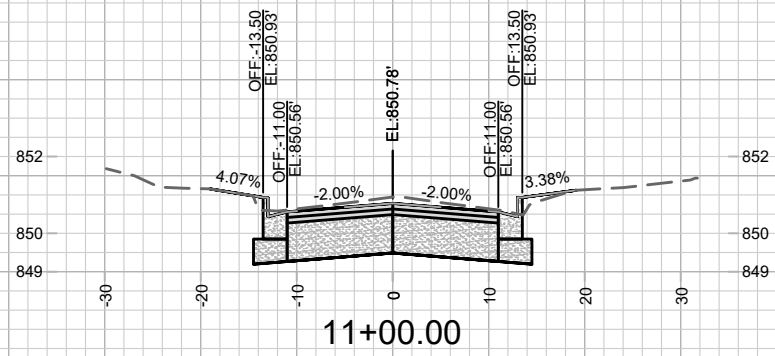
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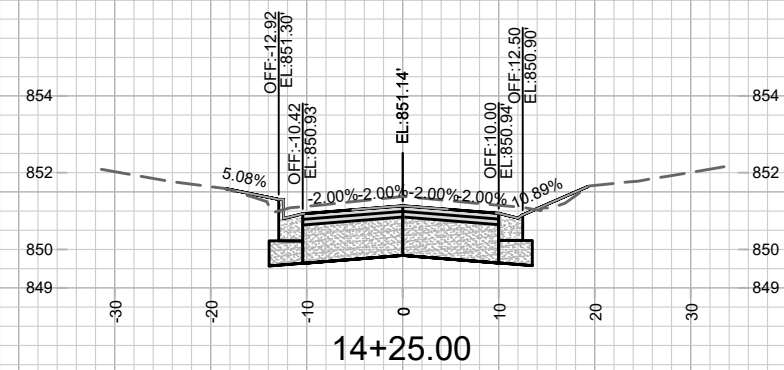
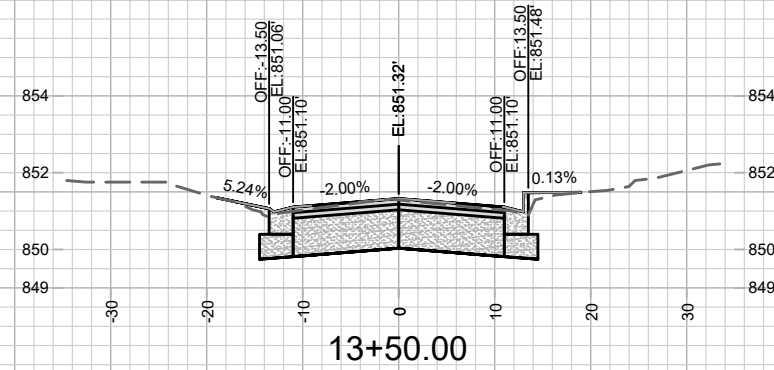
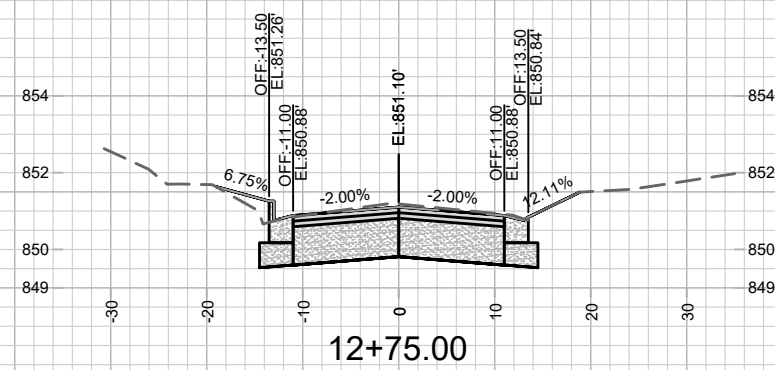
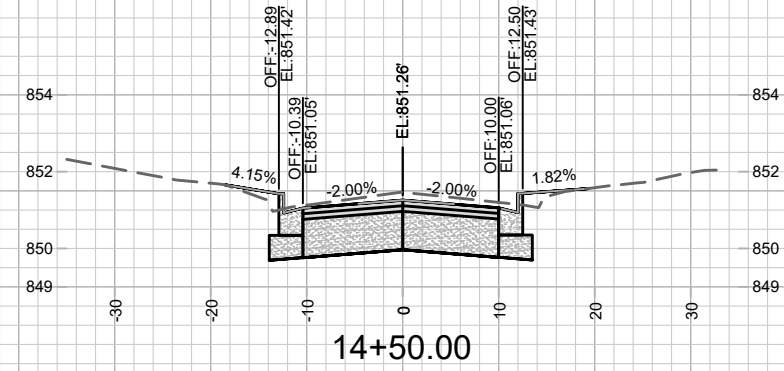
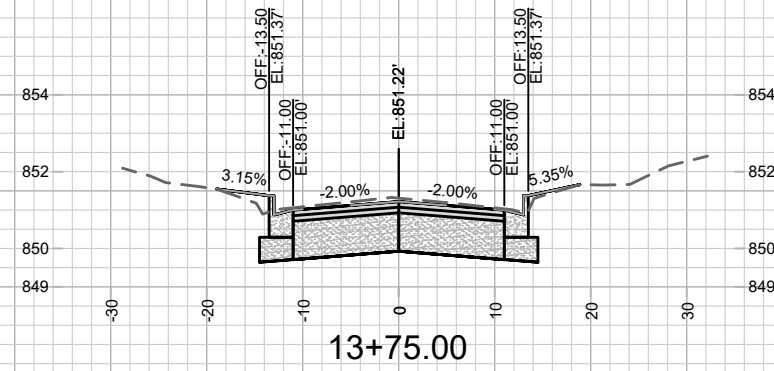
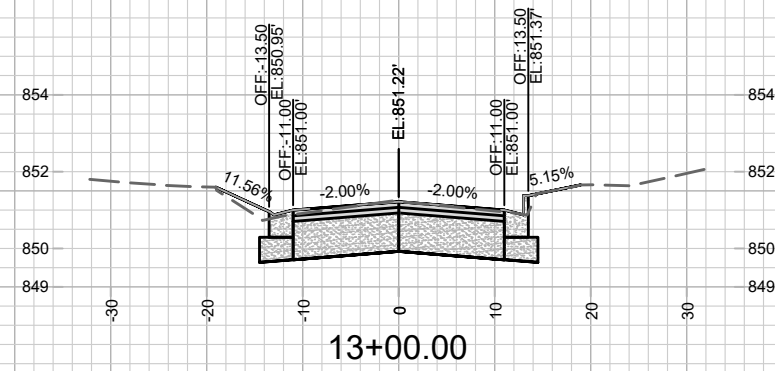
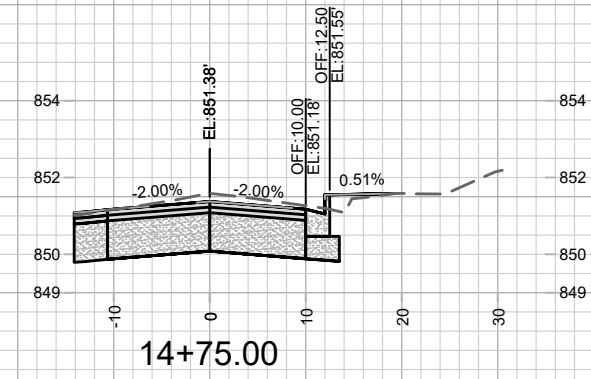
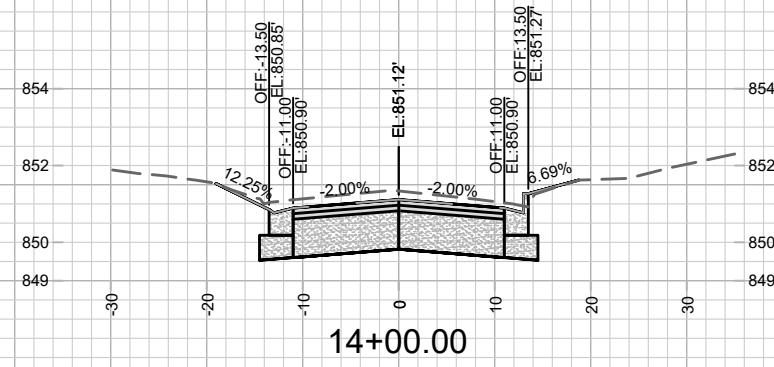
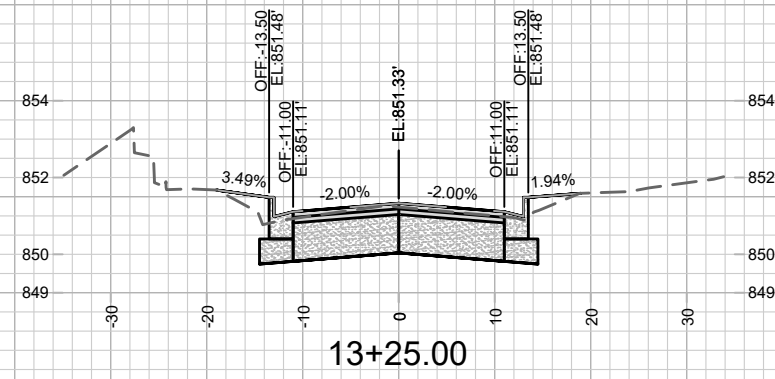
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HELENA ST. CROSS SECTIONS
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 MADISON, WI
 CONTRACT NO: 8569

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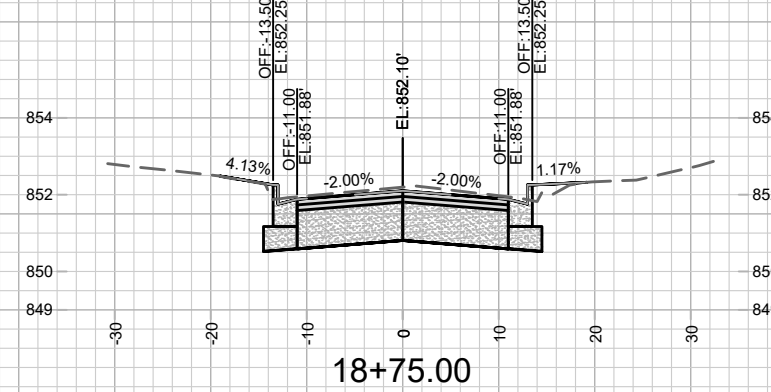
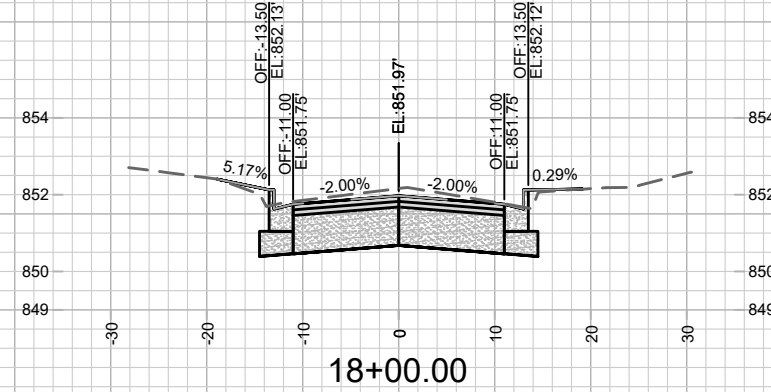
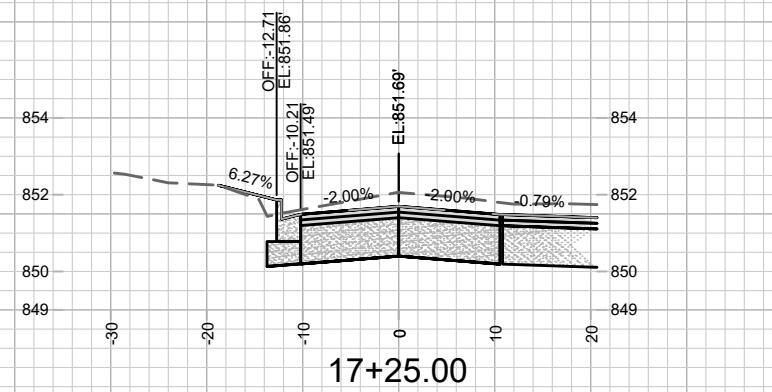
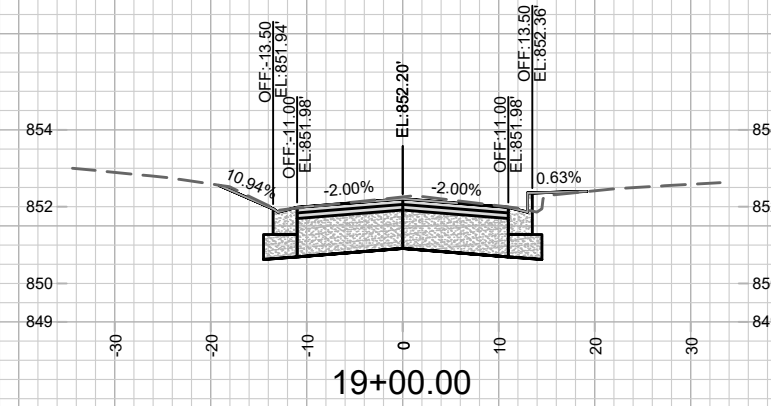
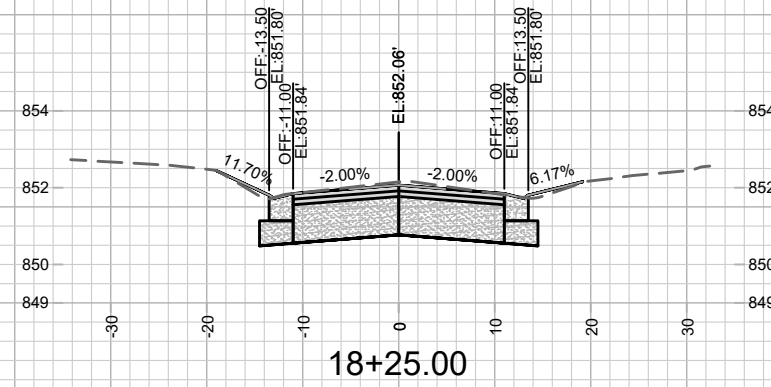
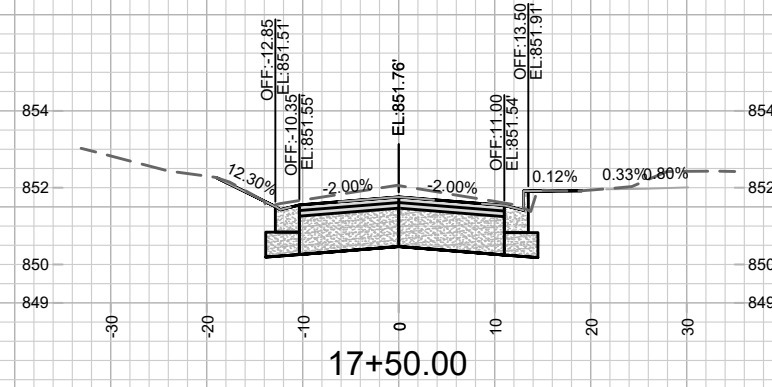
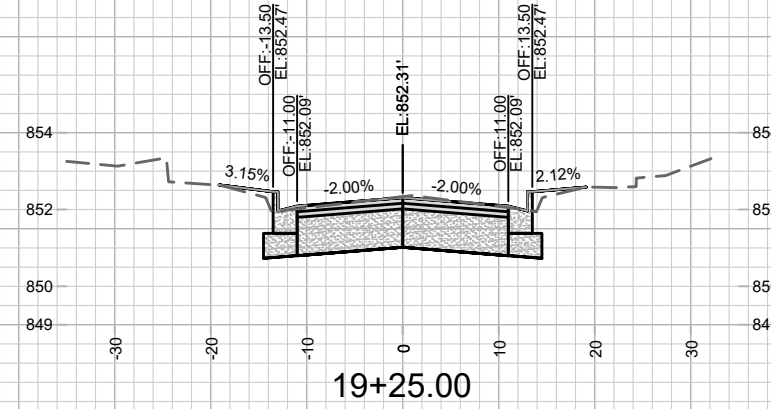
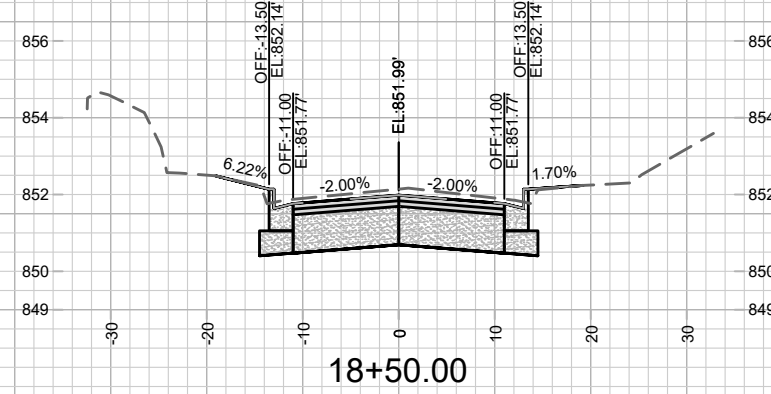
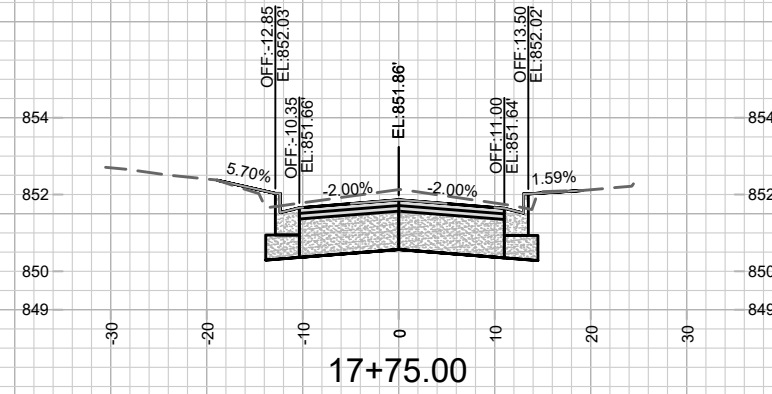
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 CONTRACT NO: 8569

HELENA ST. CROSS SECTIONS
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 MADISON, WI
 CONTRACT NO: 8569

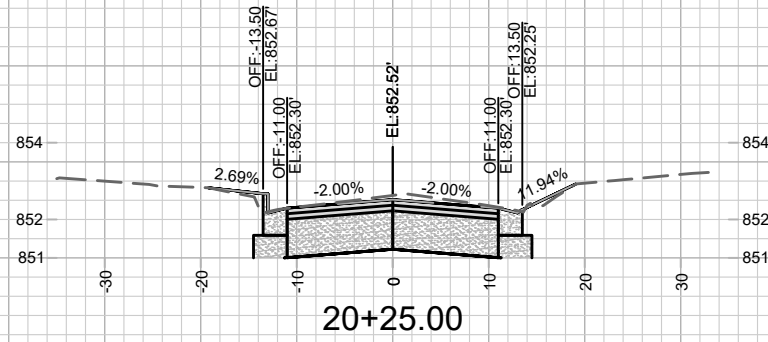
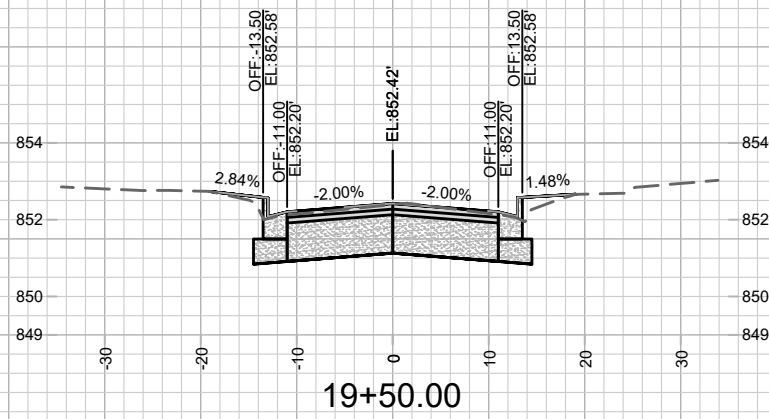
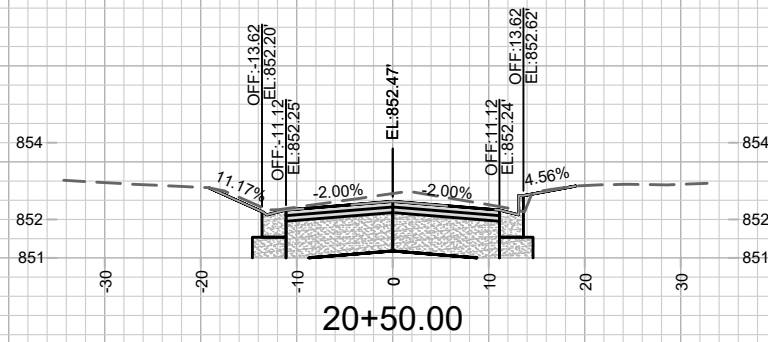
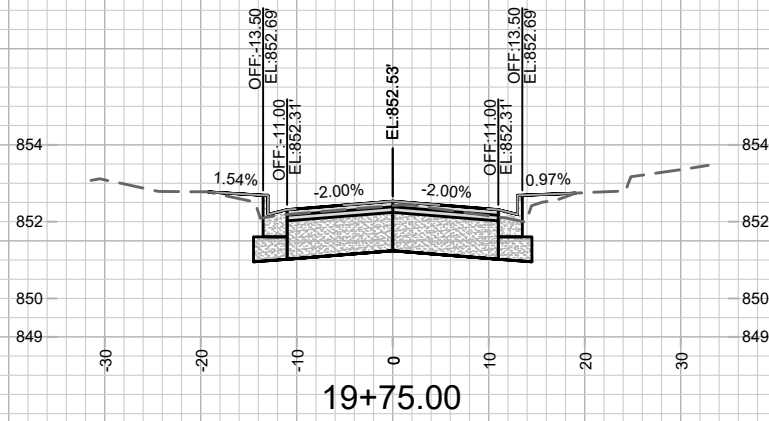
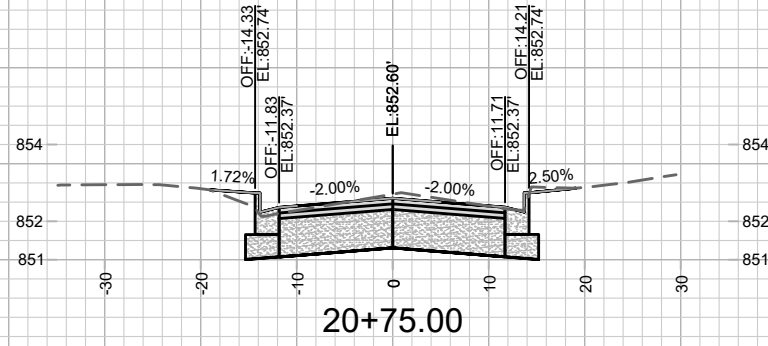
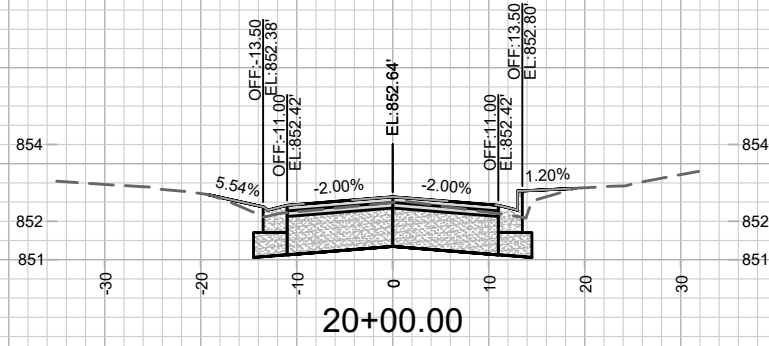
HELENA ST. CROSS SECTIONS

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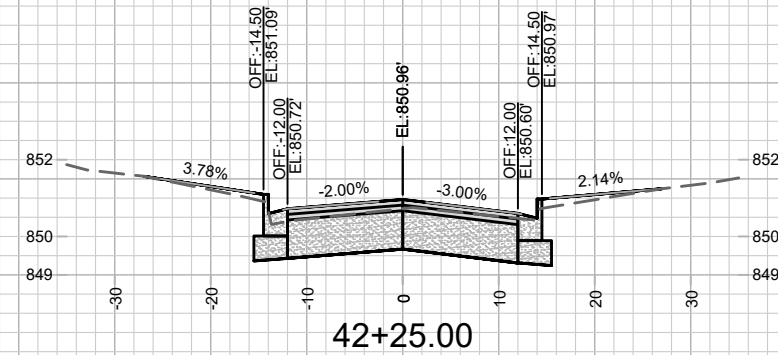
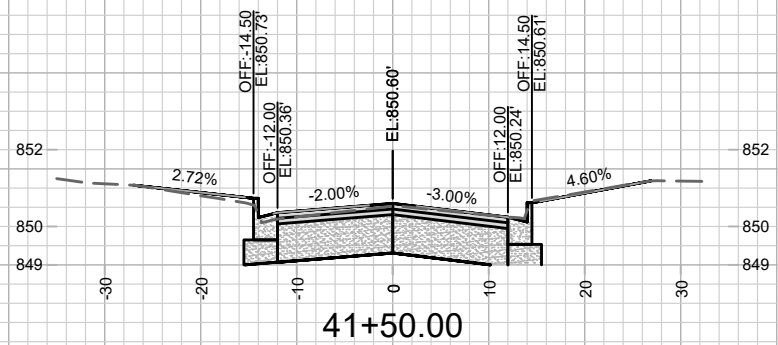
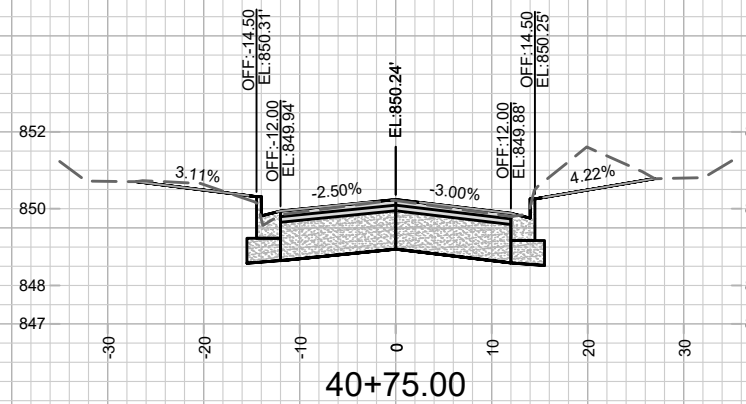
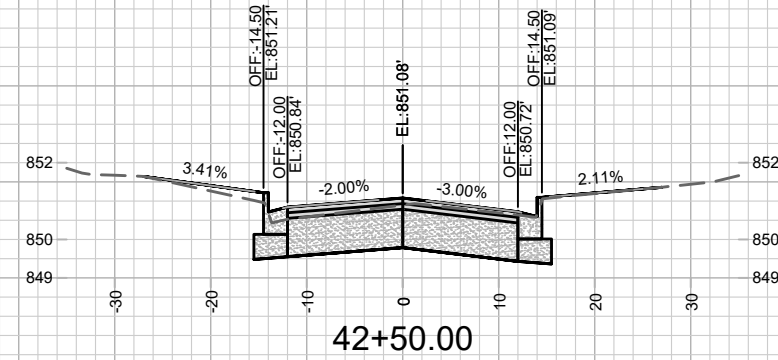
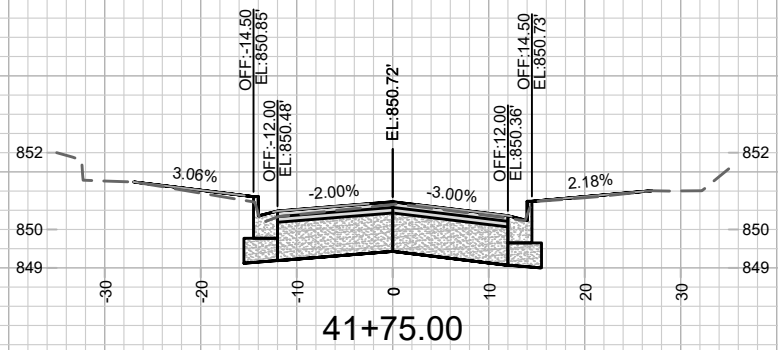
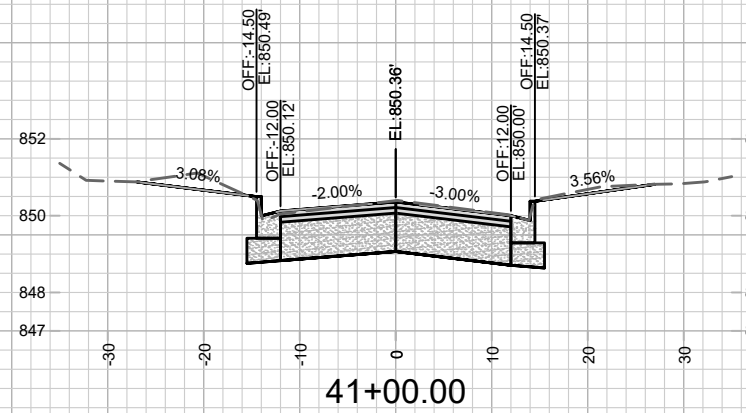
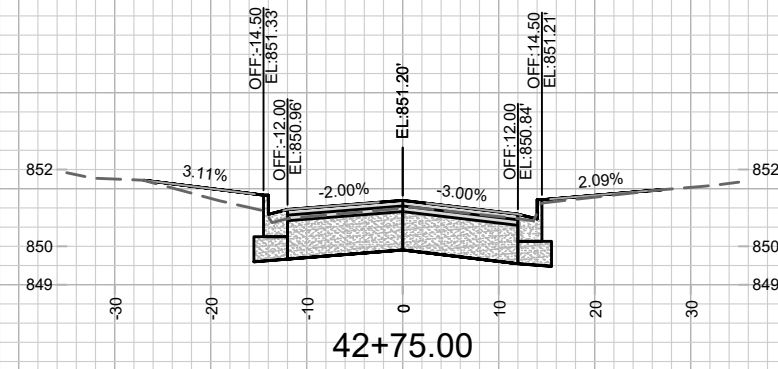
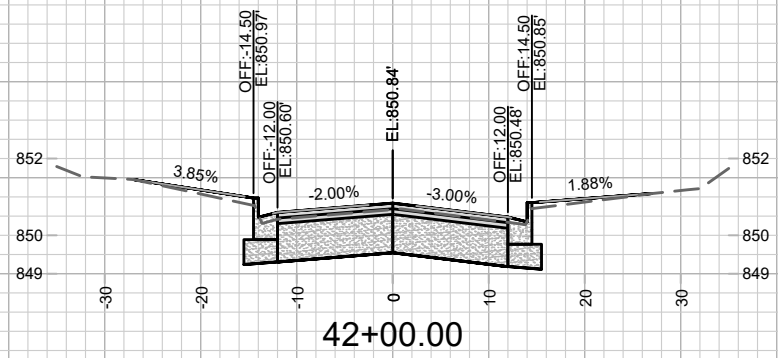
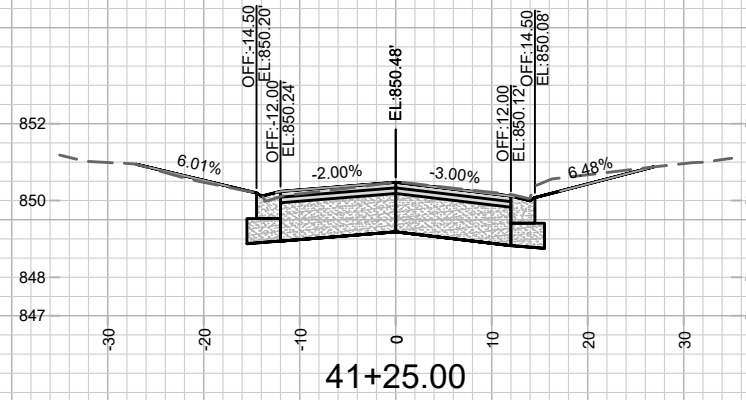


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Contract No: 8569			X-5

HELENA ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI
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11189
 X-5

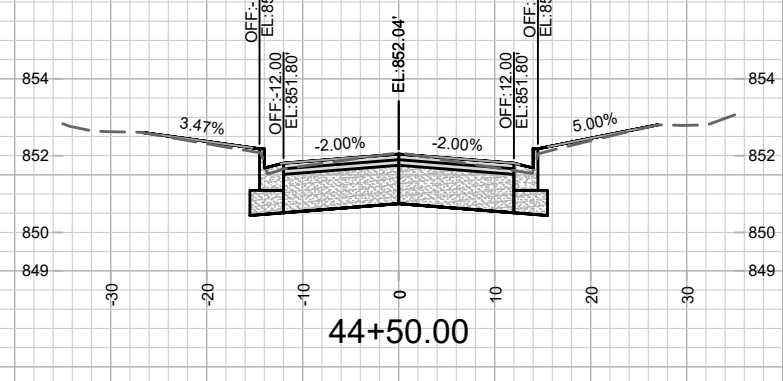
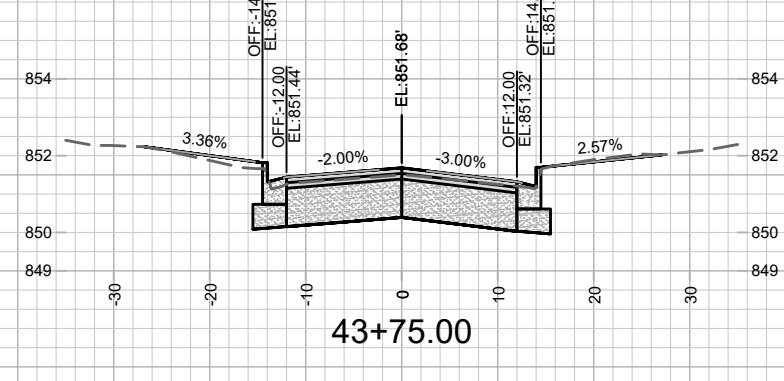
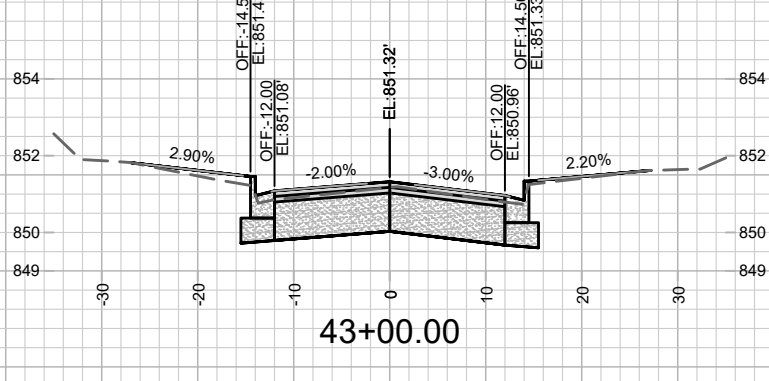
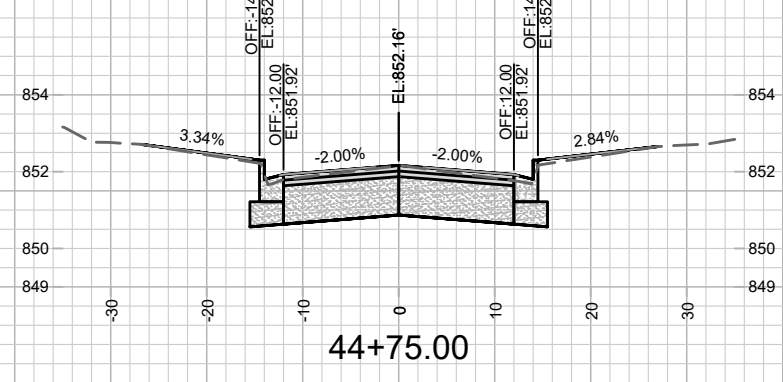
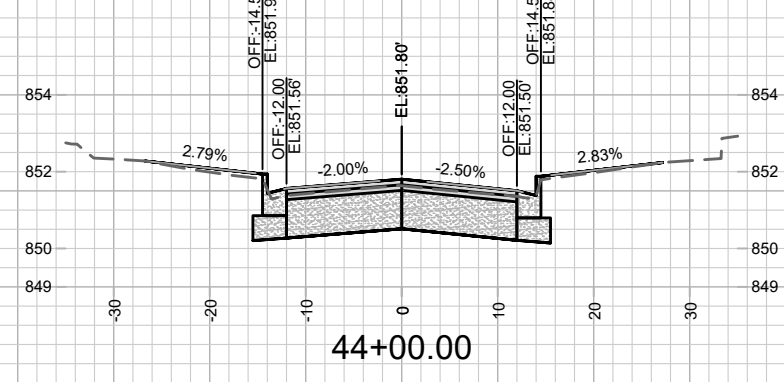
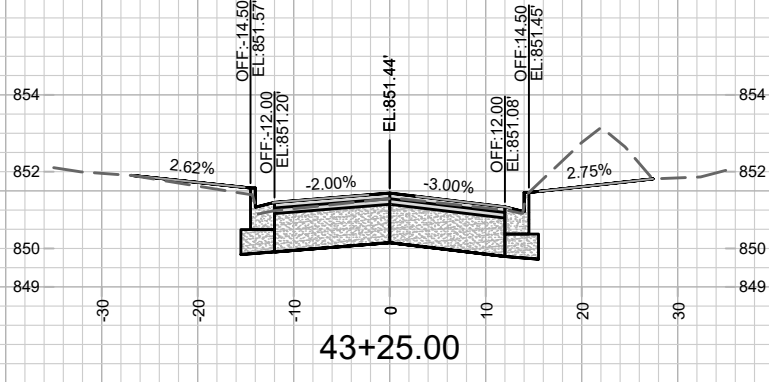
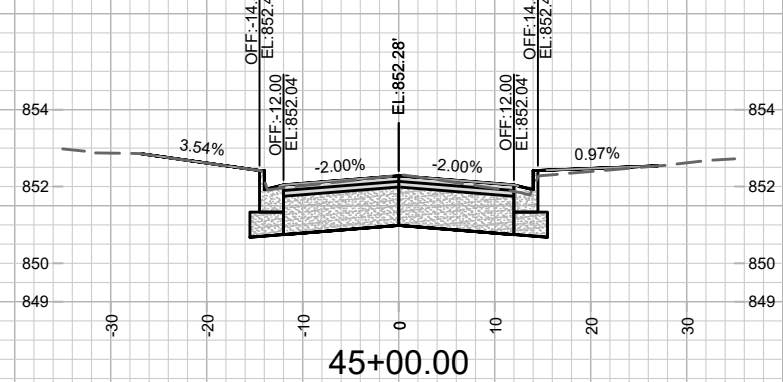
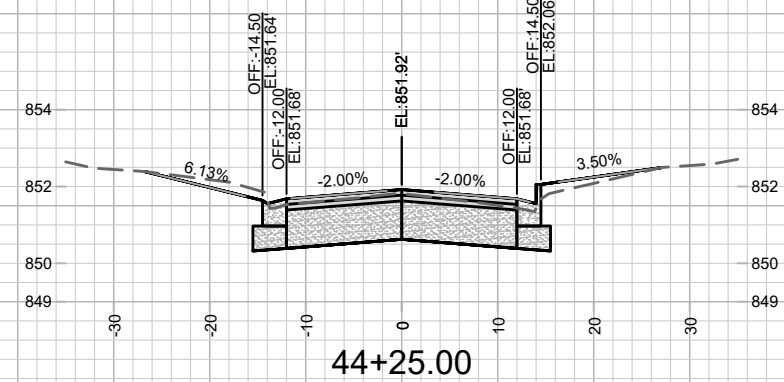
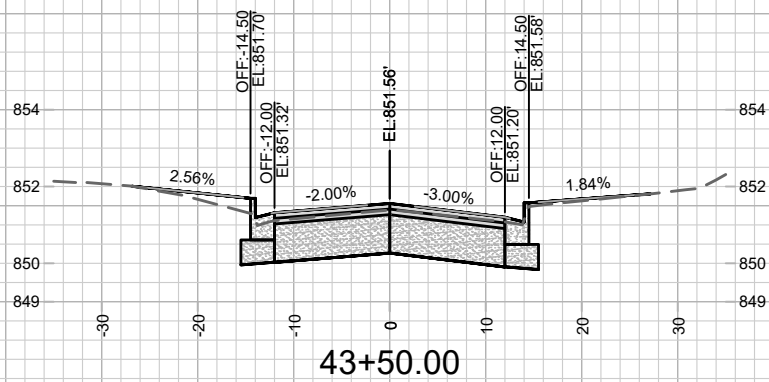


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11189
 MADISON, WI
 CONTRACT NO: 8569

JENIFER ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
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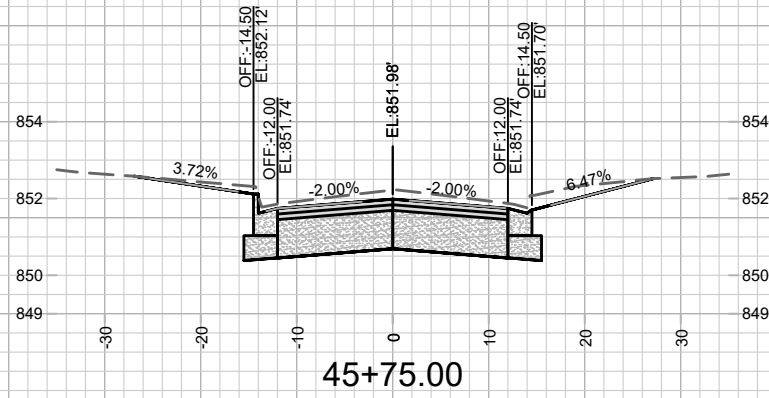




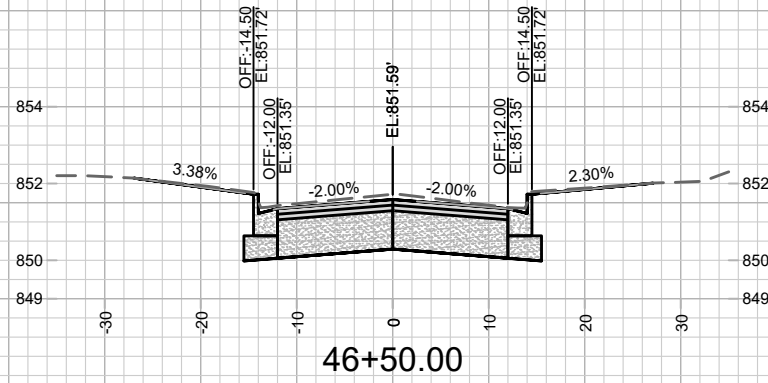
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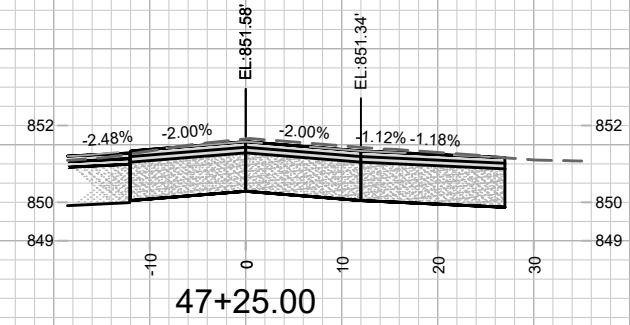
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 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 MADISON, WI
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 CONTRACT NO: 8569



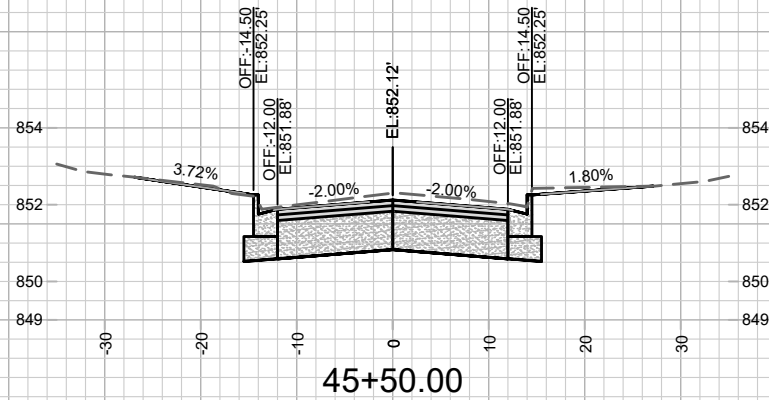
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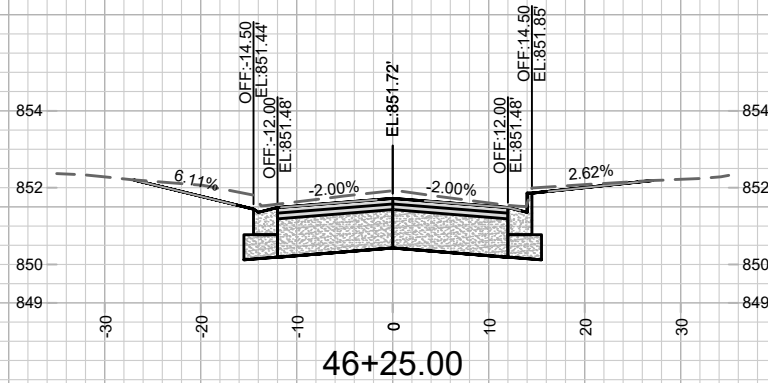
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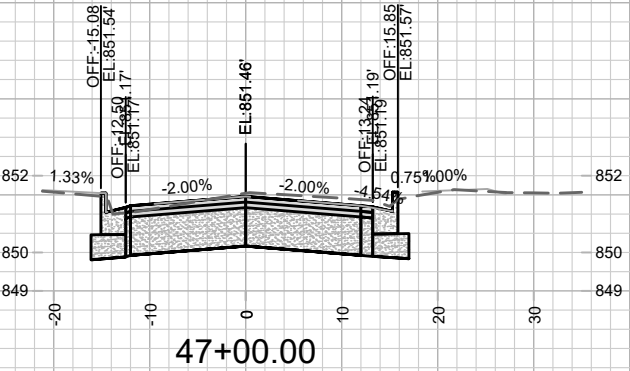
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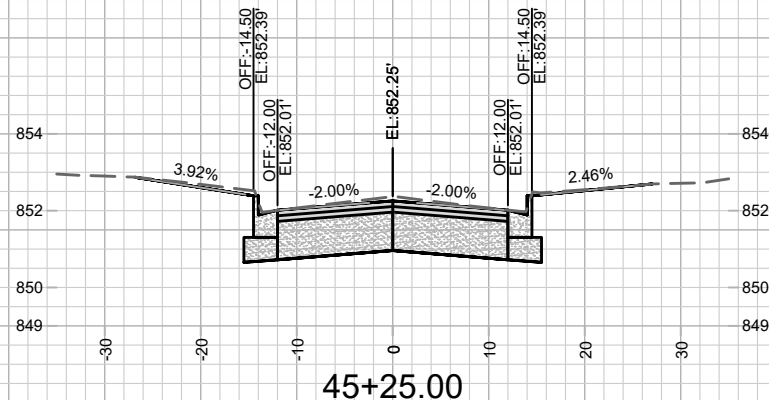
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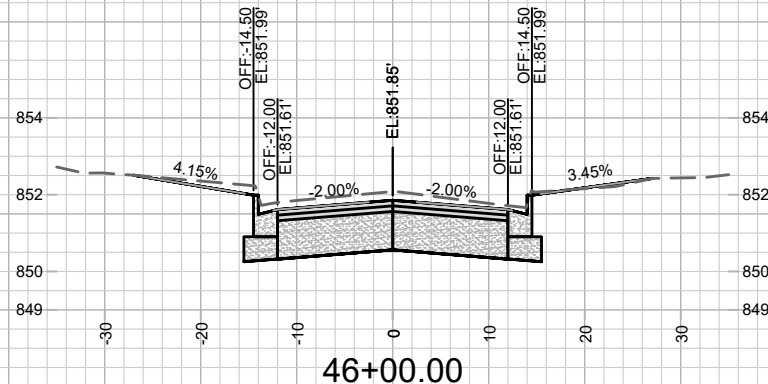
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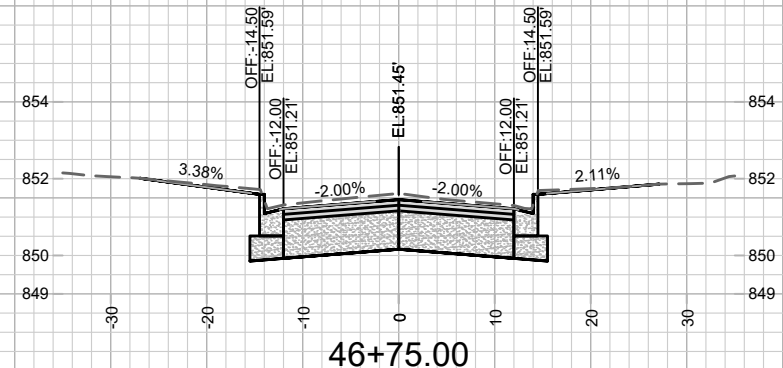
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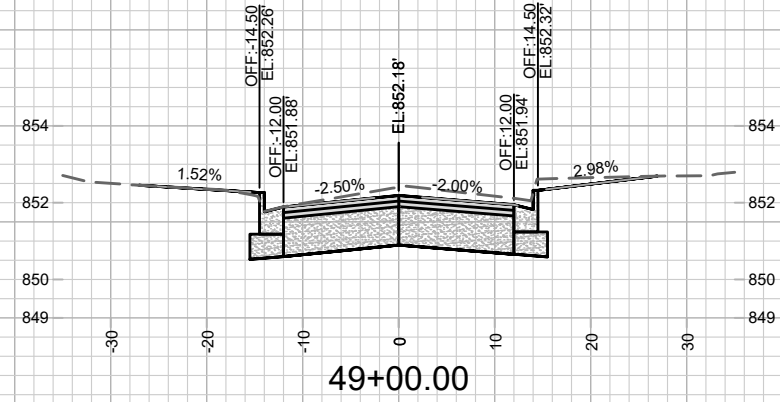
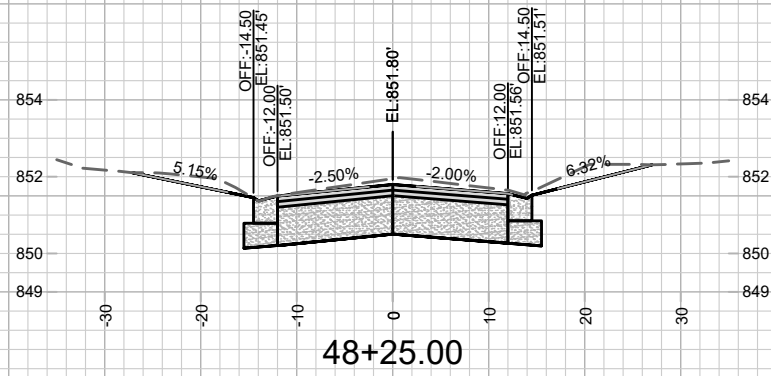
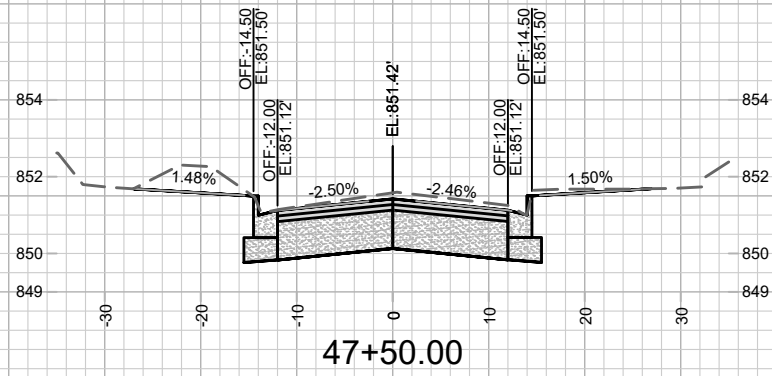
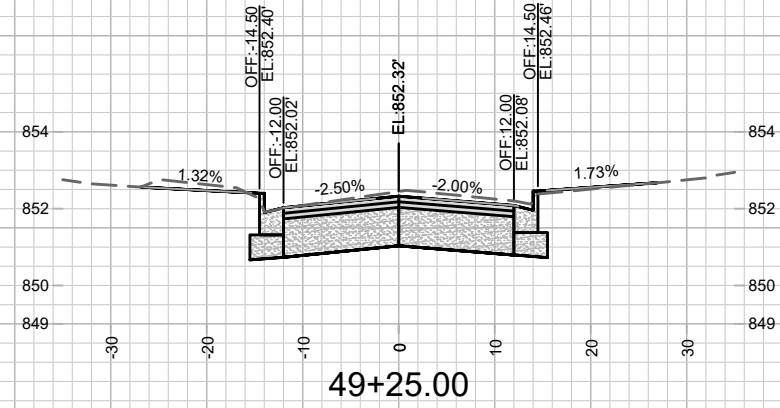
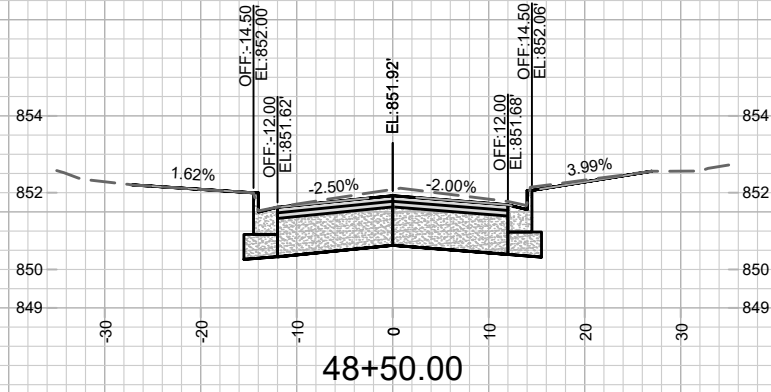
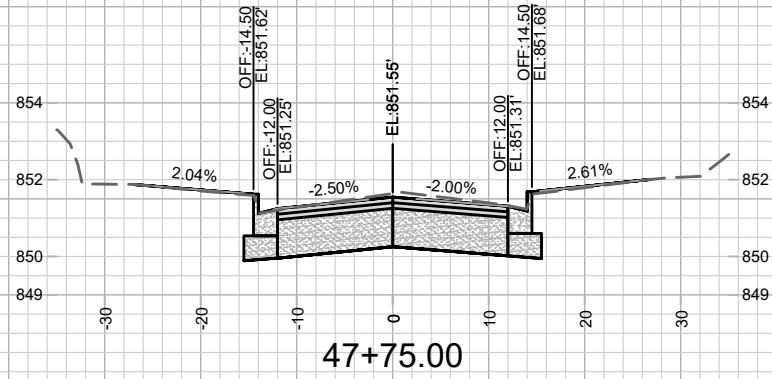
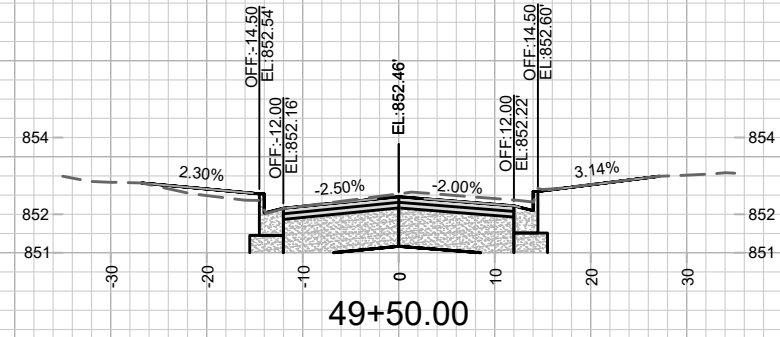
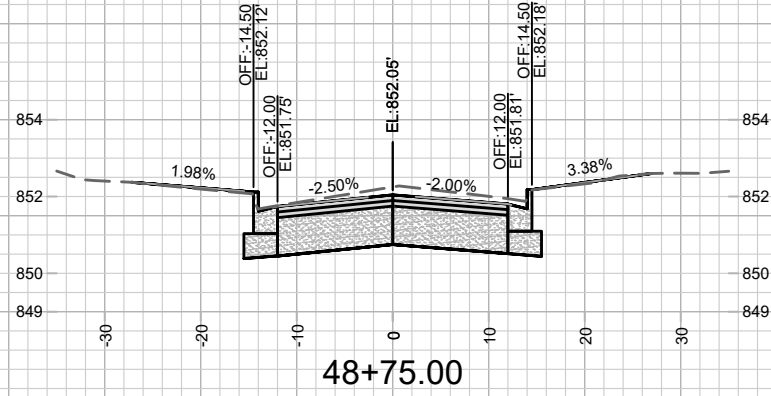
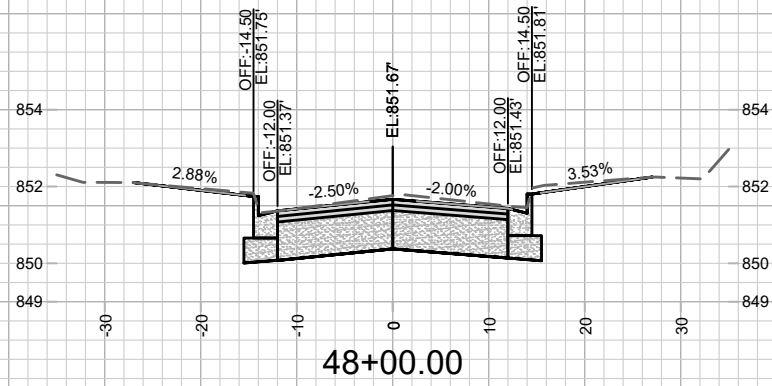
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 JENIFER ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI
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 CONTRACT NO: 8569



11189
 X-8



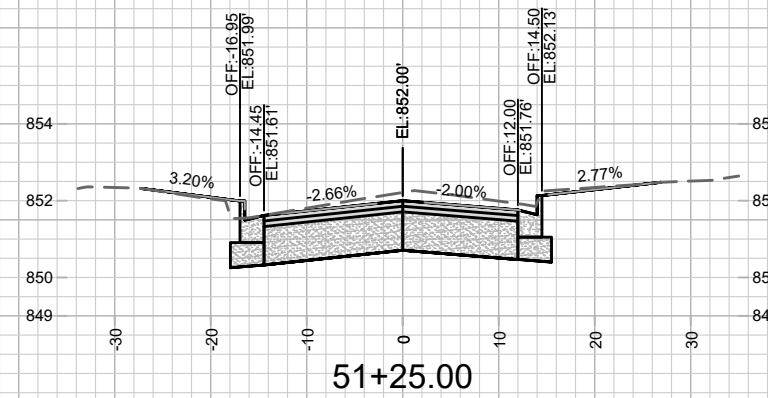
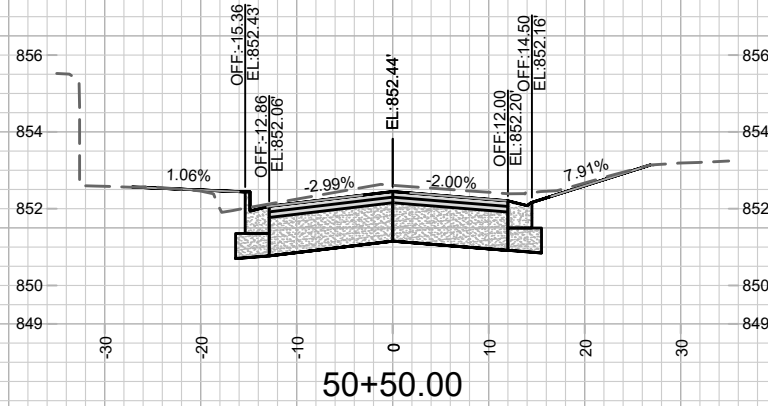
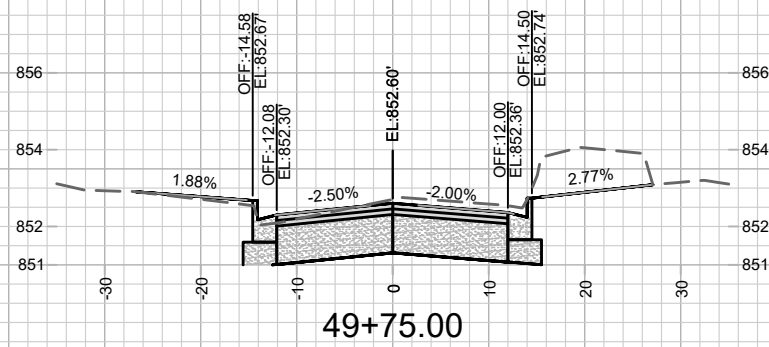
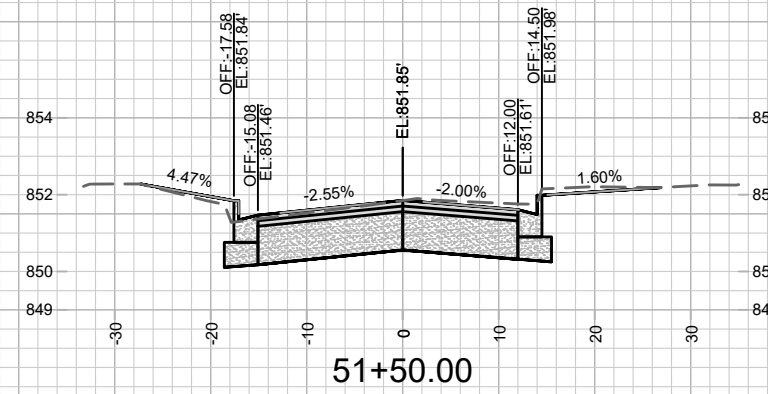
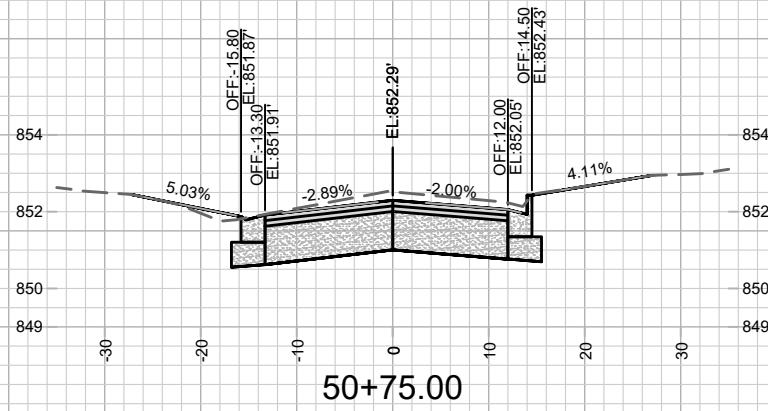
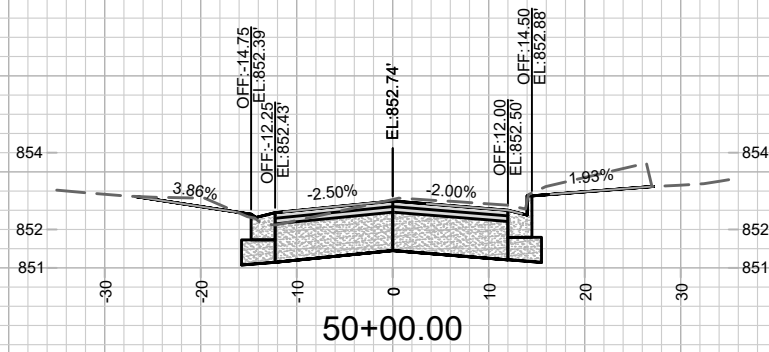
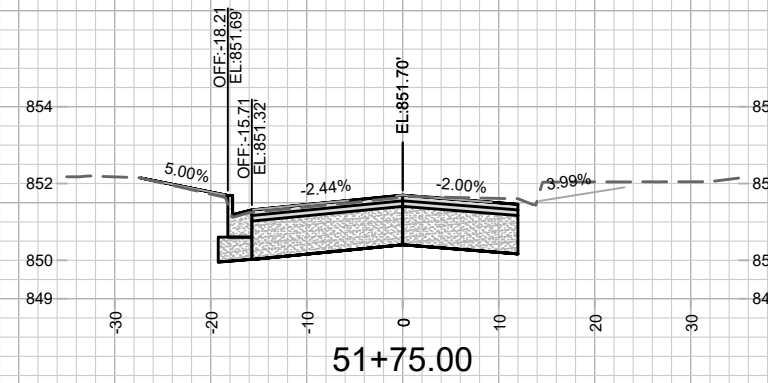
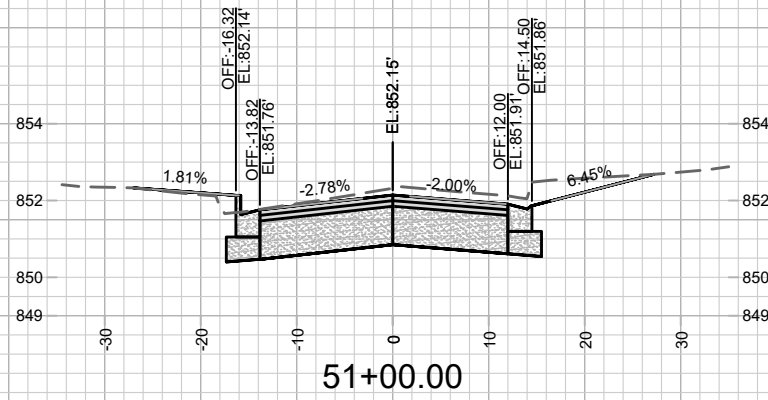
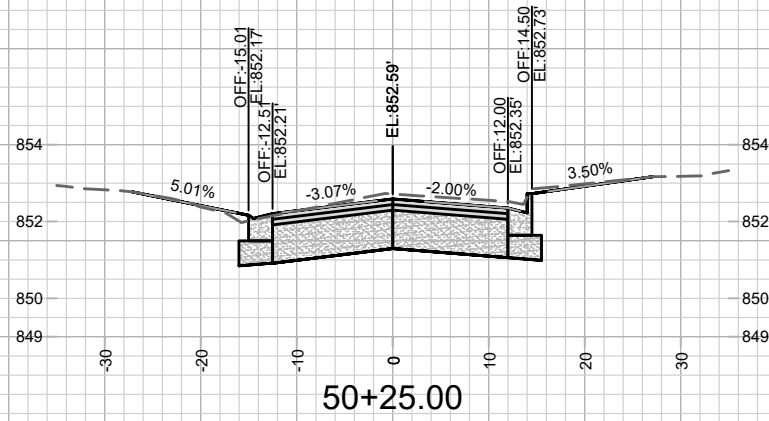
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11189
 MADISON, WI
 CONTRACT NO: 8569

JENIFER ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
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11189
 X-9



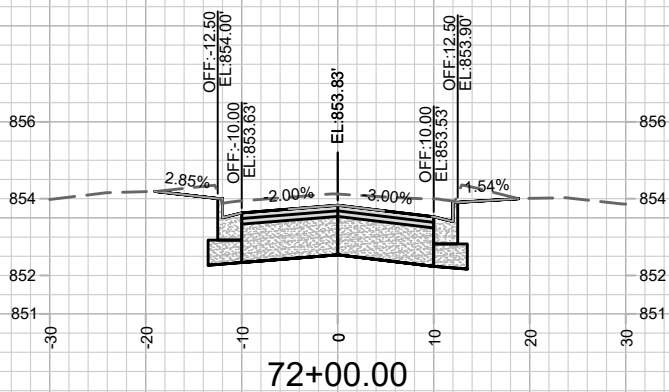
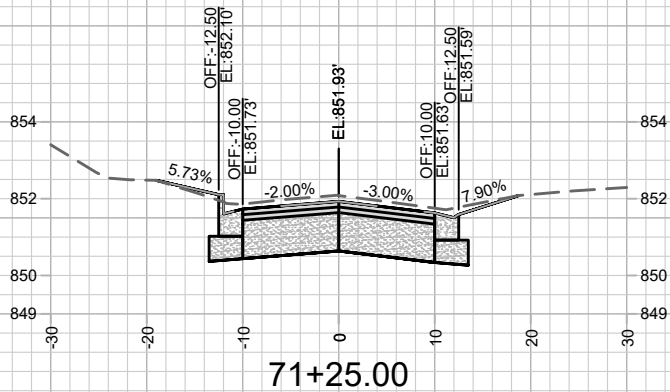
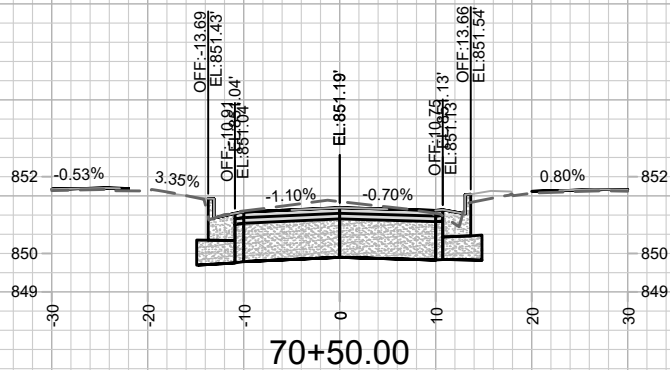
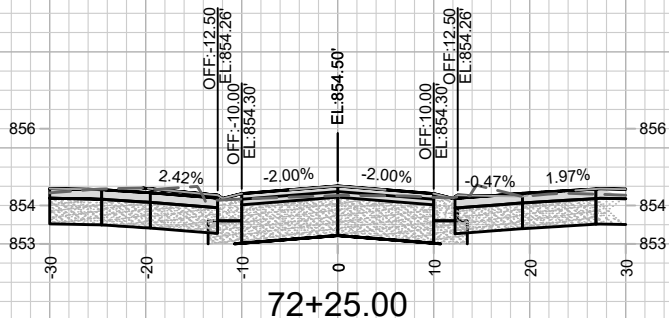
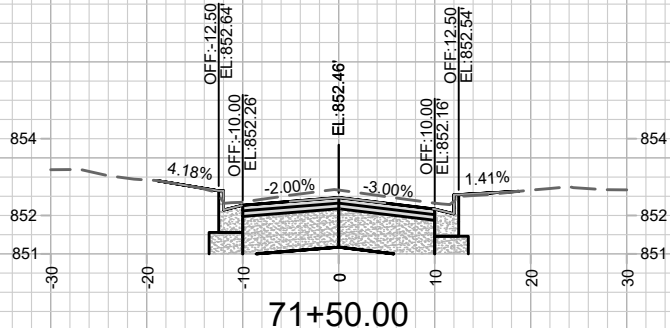
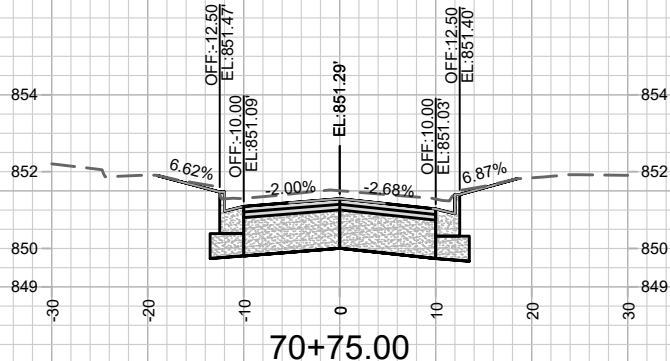
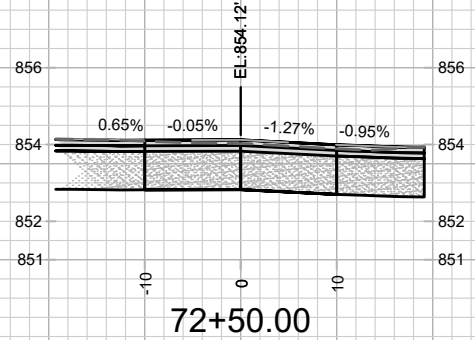
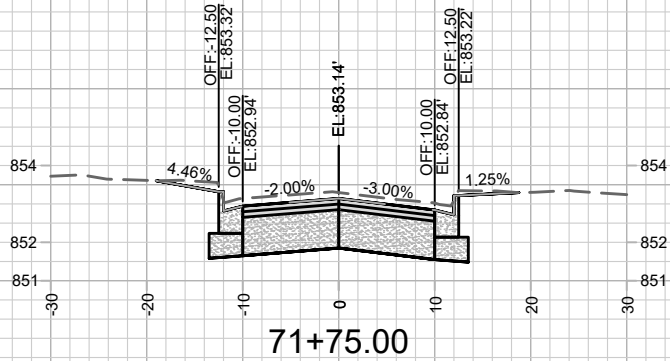
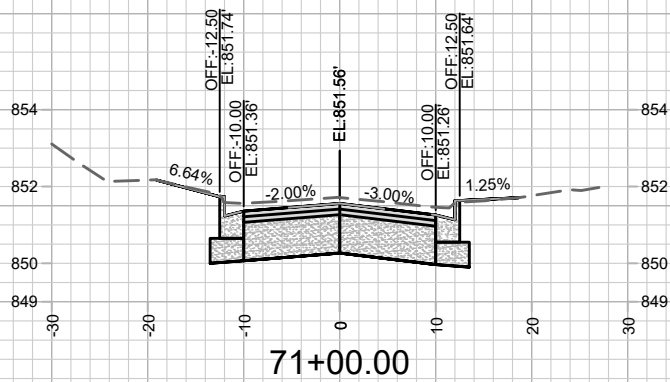
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11189
 MADISON, WI
 CONTRACT NO: 8569

JENIFER ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
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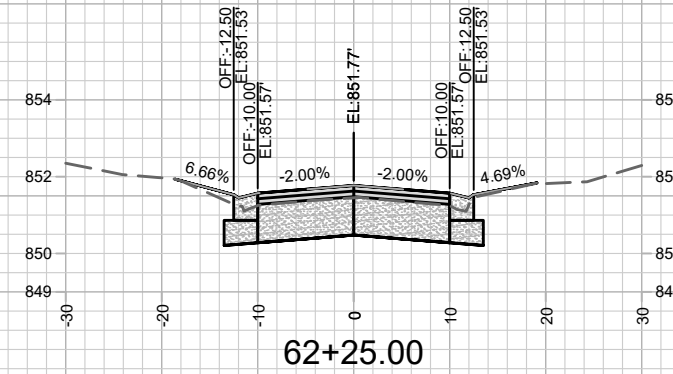
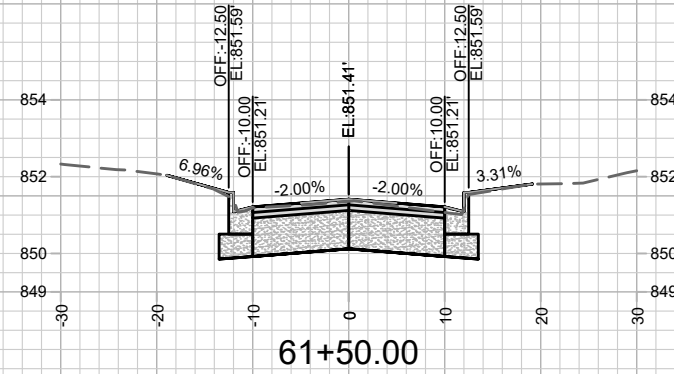
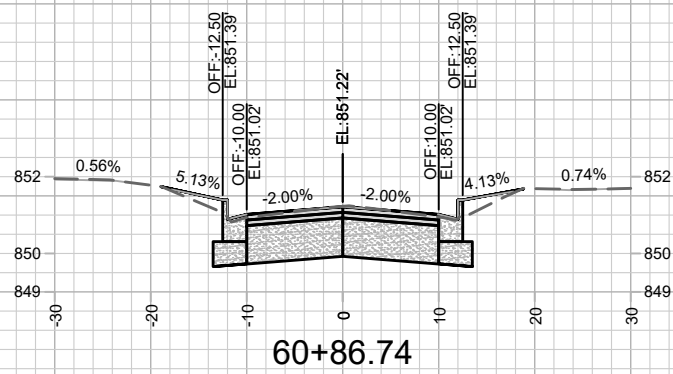
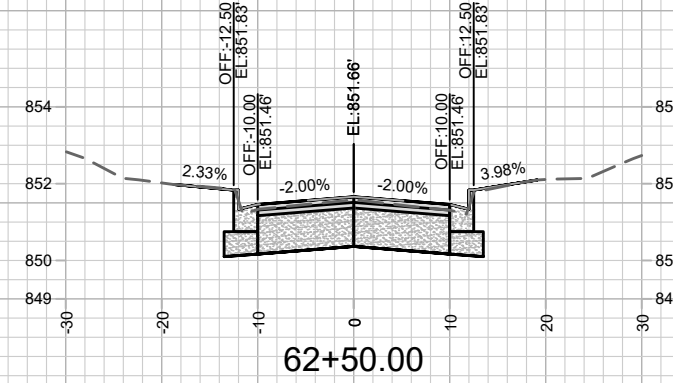
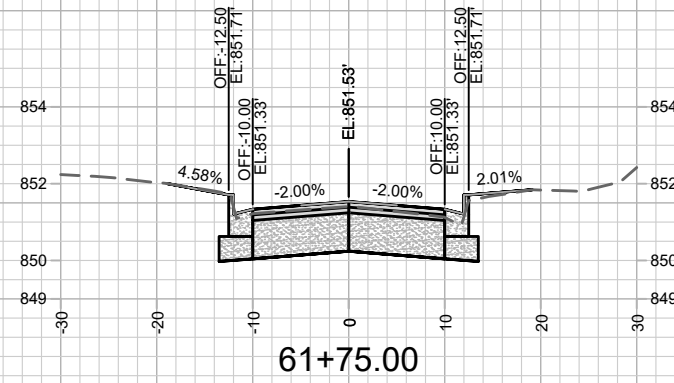
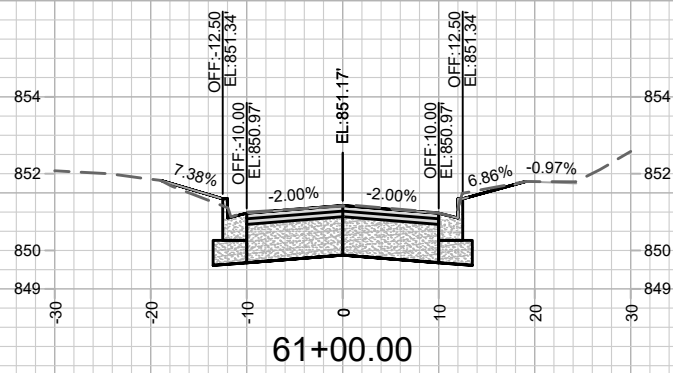
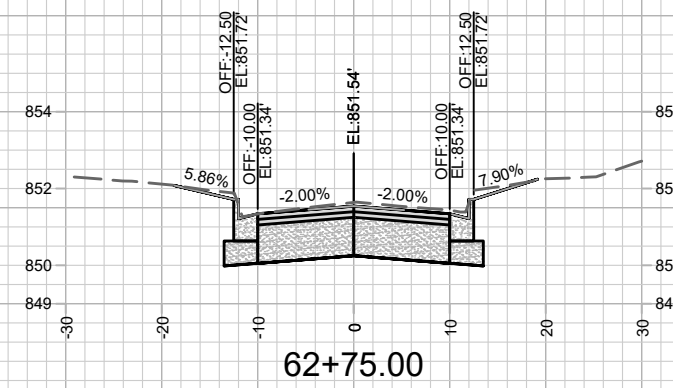
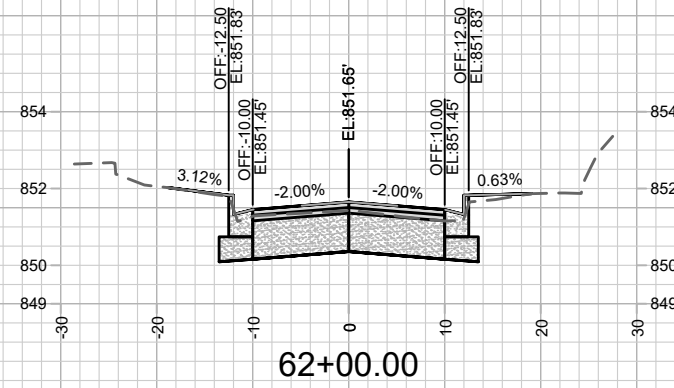
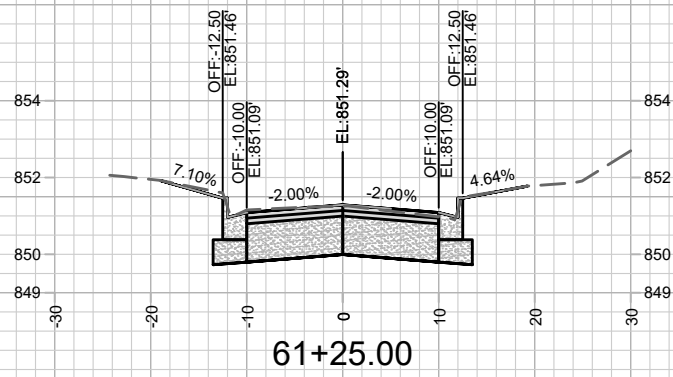
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11189
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 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CONTRACT NO: 8569
 M:\DESIGN\Projects\11189\CAD\Streets\11189EN Cross Sections.dwg

11189
 X-11

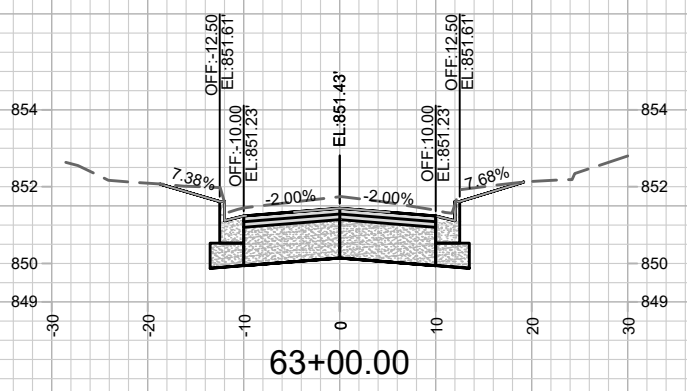
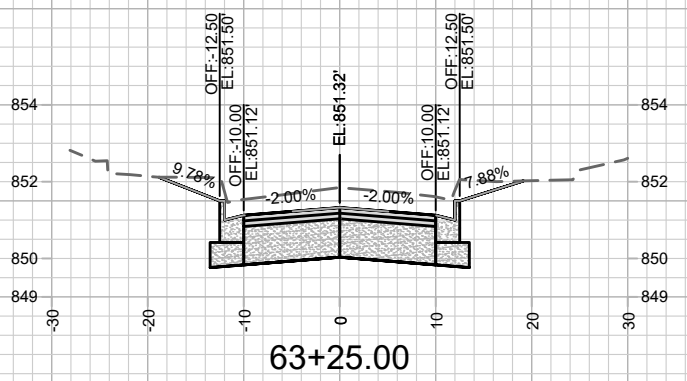
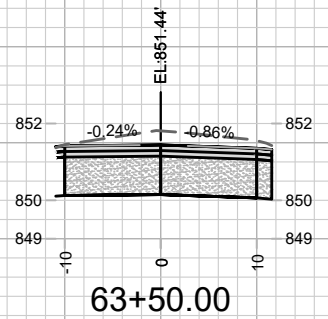


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 RUSSELL ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 MADISON, WI
 CONTRACT NO: 8569
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11189
 X-12

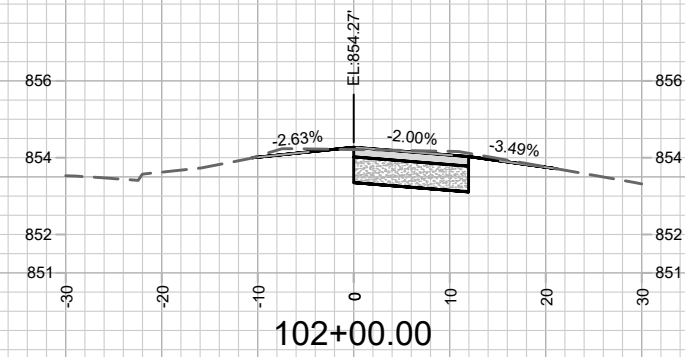
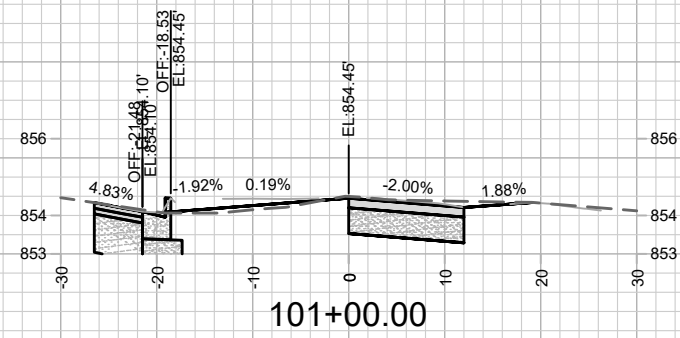
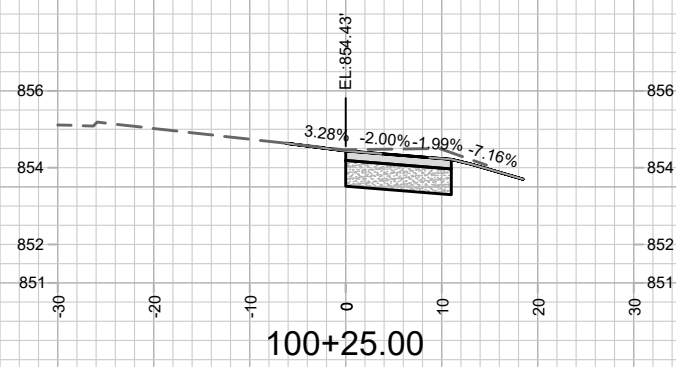
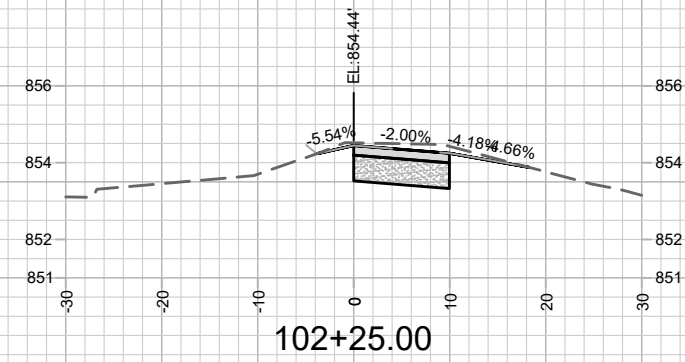
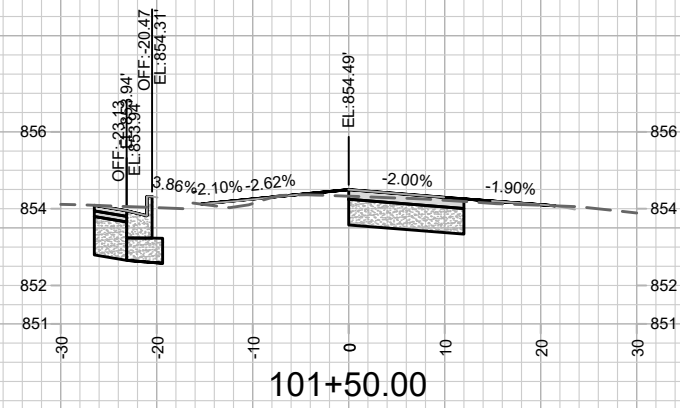
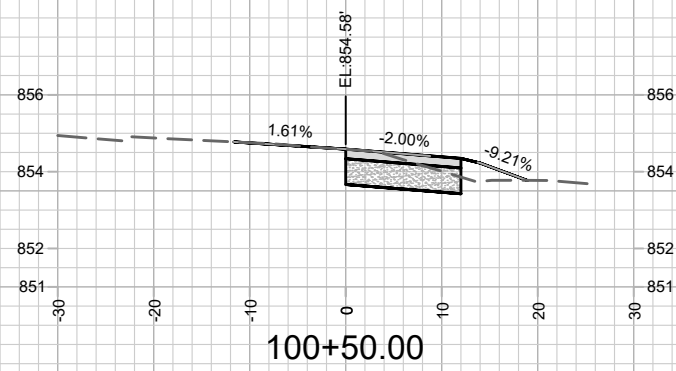
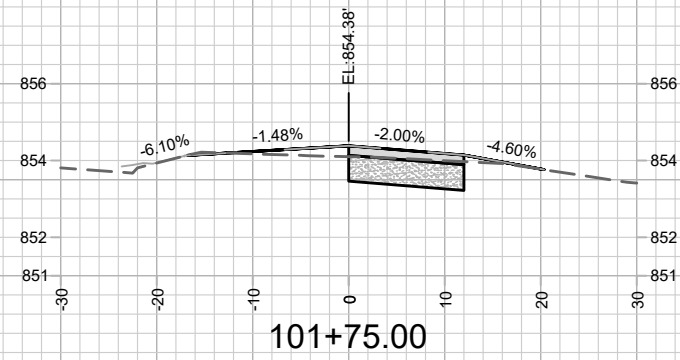
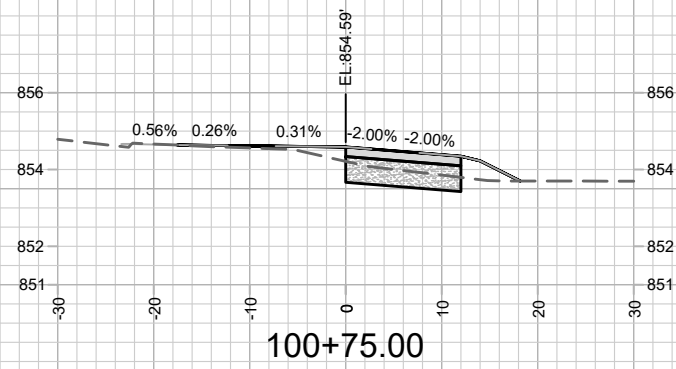


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11189
 RUSSELL ST. CROSS SECTIONS
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021 MADISON, WI
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 CONTRACT NO: 8569
 Scale: #####
 X-13



11189
 X-13

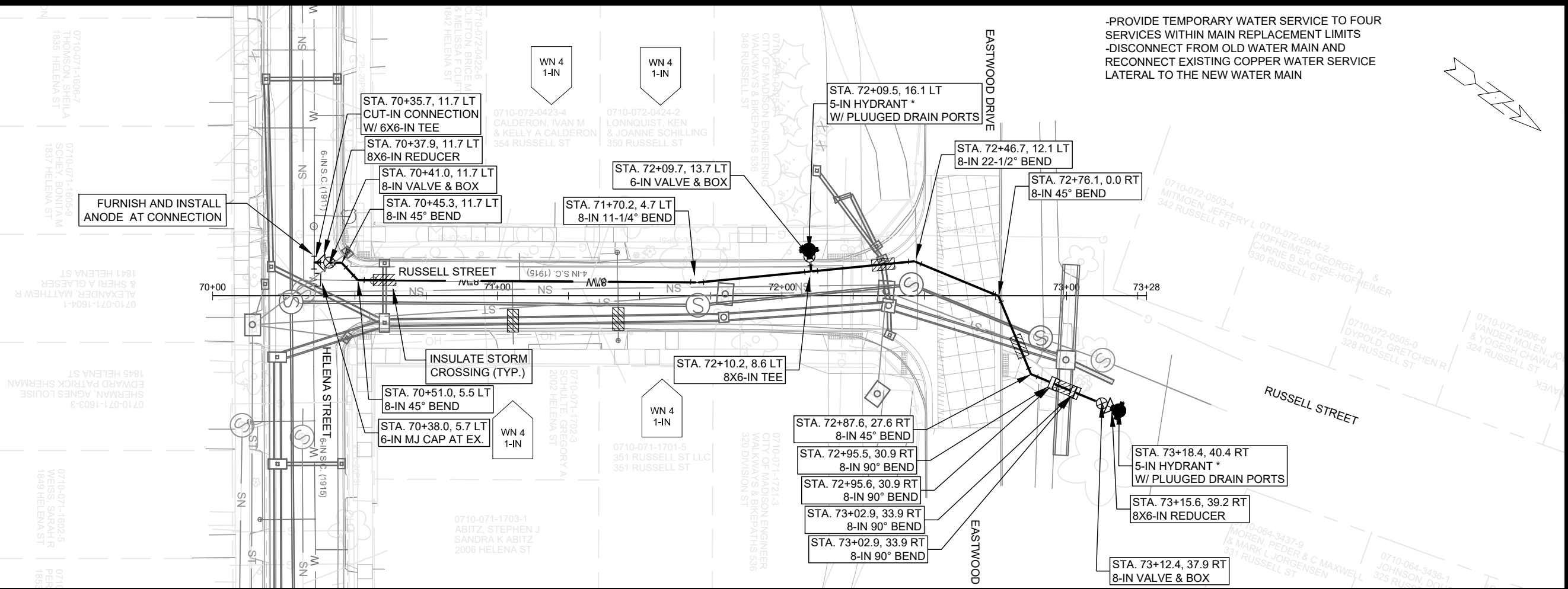


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 CONTRACT NO: 8569
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11189
 X-14



-PROVIDE TEMPORARY WATER SERVICE TO FOUR SERVICES WITHIN MAIN REPLACEMENT LIMITS
 -DISCONNECT FROM OLD WATER MAIN AND RECONNECT EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN

FURNISH AND INSTALL ANODE AT CONNECTION

INSULATE STORM CROSSING (TYP.)

MAINTAIN 18-IN SEPARATION (MIN.) BENEATH BOTTOM OF INLET S-11A

NOTE: INSTALL (2) LAYERS OF 2-IN INSULATION BOARD, BOTH ABOVE AND BELOW WATER MAIN AT STORM CROSSING. (4) SHEETS IN TOTAL MIN.

- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 3/18/22

WATER PLAN AND PROFILE - RUSSELL STREET
 HELENA ST., JENIFER ST., & RUSSELL ST. ASSESSMENT DISTRICT - 2021
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8566



11189
 W-1