



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020

### INDEX OF SHEETS

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SHEET NO.	U5	STORM SEWER SCHEDULE
SHEET NO.	X1-X24	CROSS SECTIONS

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	

CITY PROJECT NO. 11677  
CONTRACT NO. 8121



PROJECT LOCATION

PROJECT LOCATION

### NOTES:

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

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. 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%.

### EARTH WORK SUMMARY"

EXCAVATION CUT (MEASURED PLAN QUANTITY).....1,190 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT.....285 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT.....1,475 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 4, 2020

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

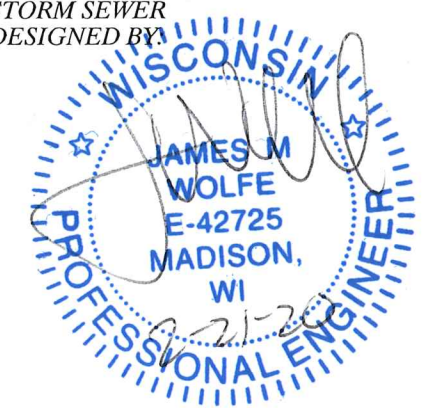
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer Date 2/24/20

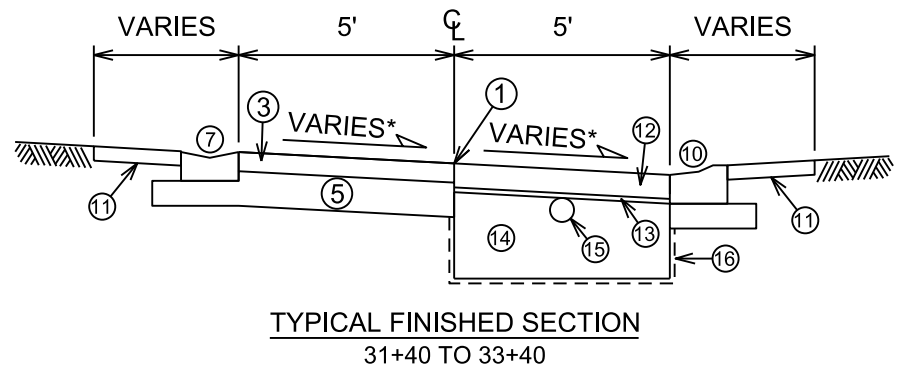
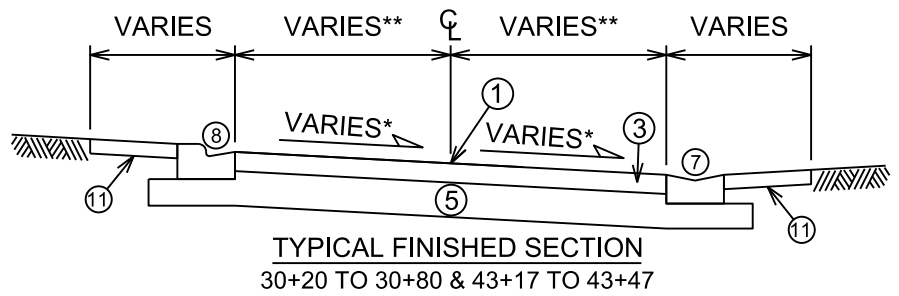
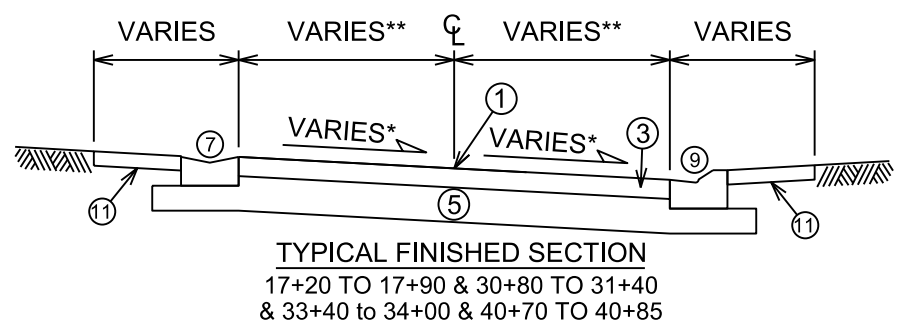
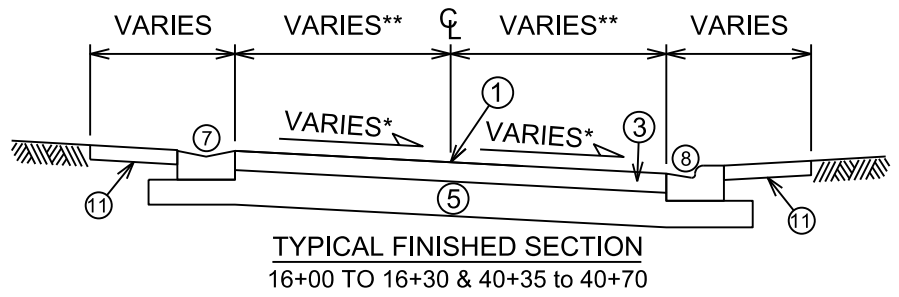
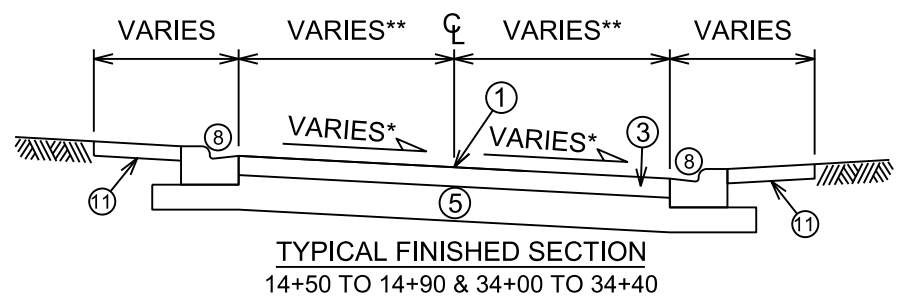
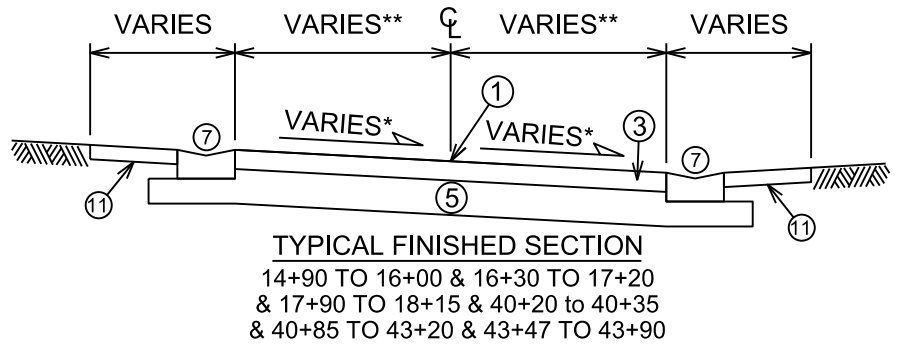
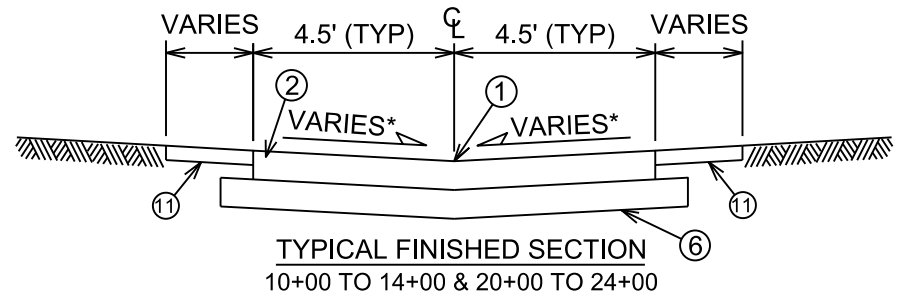
STREET DESIGNED BY:



STORM SEWER DESIGNED BY:



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PLOT NAME: ---  
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ORIGINATOR: CITY\_OF\_MADISON

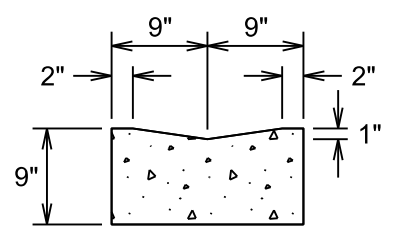


- ① POINT REFERRED TO ON PROFILE
- ② 8" CONCRETE "V" PAVEMENT
- ③ 2" HMA UPPER LAYER, 4 LT 58-28 S,  
2" HMA LOWER LAYER, 4 LT 58-28 S
- ⑤ 10" GRADATION 2 CRUSHED STONE
- ⑥ 8" GRADATION 2 CRUSHED STONE
- ⑦ TYPE ALLEY GUTTER AS NOTED ON PLAN
- ⑧ TYPE ALLEY CURB AS NOTED ON PLAN
- ⑨ TYPE ALLEY MOUNTABLE CURB AS NOTED ON PLAN
- ⑩ TYPE ALLEY REJECT CURB AS NOTED ON PLAN
- ⑪ 6" TOPSOIL, SEED & EROSION MAT (JEFFERSON/ADAMS ALLEY  
& ADAMS/VILAS ALLEY) OR GRADATION 3 CRUSHED STONE  
(CHANDLER/VILAS ALLEY)
- ⑫ 6" PRECAST PANEL PERVIOUS PAVEMENT
- ⑬ 1.5" OF 3/8" CRUSHED STONE LEVELING PAD
- ⑭ 18" OF CLEAR STONE STORAGE BASE
- ⑮ 8" PVC WRAPPED UNDERDRAIN
- ⑯ GEOTEXTILE FABRIC TYPE SAS NON WOVEN

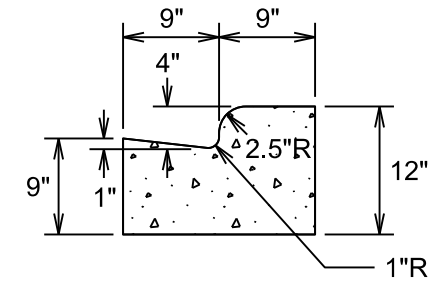
TYPICAL SECTIONS NOT TO SCALE

\* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

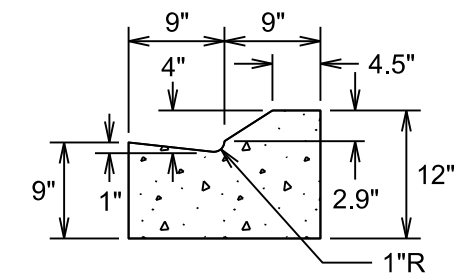
\*\* ALLEY WIDTH VARIES. SEE PLAN FOR DIMENSIONS.



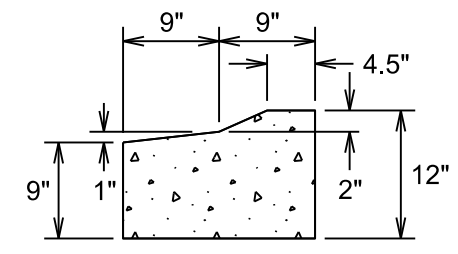
ALLEY GUTTER DETAIL



ALLEY CURB DETAIL



ALLEY MOUNTABLE CURB DETAIL



ALLEY REJECT CURB DETAIL

**HORIZONTAL ALIGNMENTS**

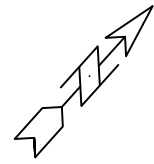
- 1900 BLOCK ADAMS & JEFFERSON = 10+00 TO 14+00
- 1800 BLOCK ADAMS & JEFFERSON = 14+50 TO 18+25
- 1800 BLOCK ADAMS & VILAS = 20+00 TO 24+00
- 1300 BLOCK CHANDLER & VILAS = 30+00 TO 34+50
- 1200 BLOCK CHANDLER & VILAS = 40+00 TO 44+00






PLOT SCALE: \_\_\_\_\_

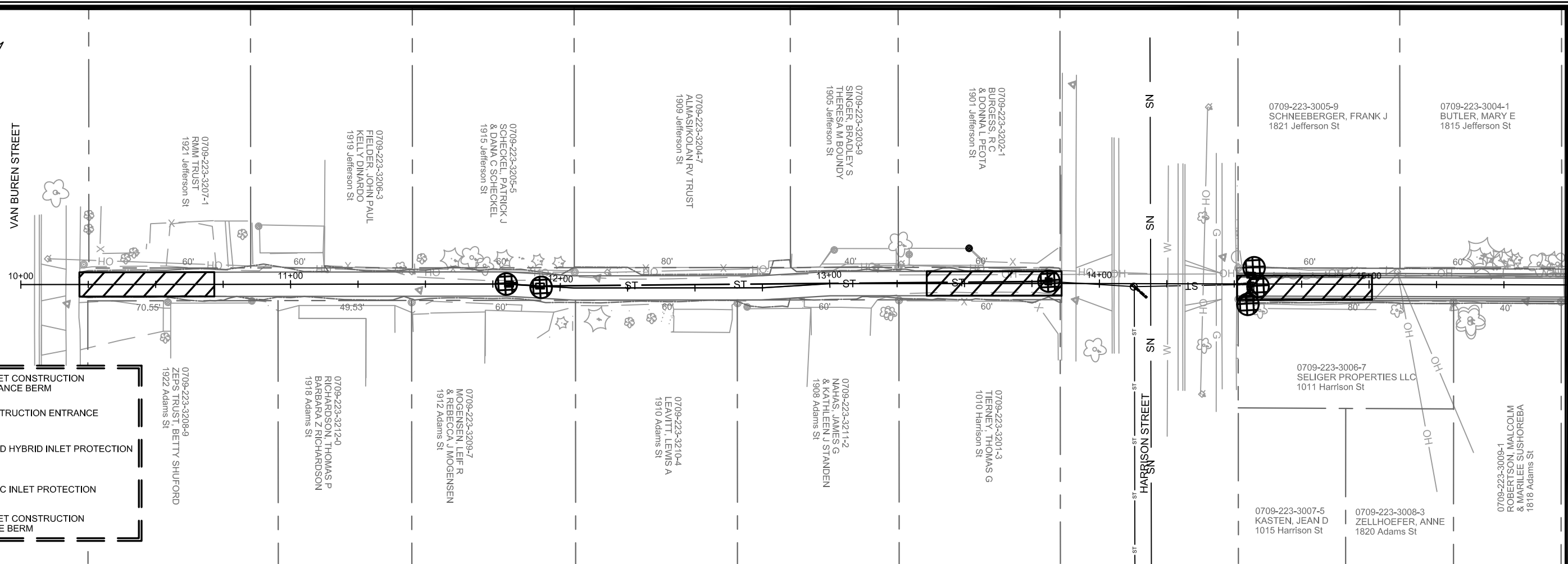
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



925  
920  
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880



**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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11677	MADISON, DANE, WI	11677	8121	EC-1
<b>ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020</b>				
EROSION CONTROL PLAN				
CONTRACT NO: 11677				
M:\DESIGN\Projects\11677\CAD\CAD\Storm\11677 ErosionControl.dwg				
				
11677				
EC-1				

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

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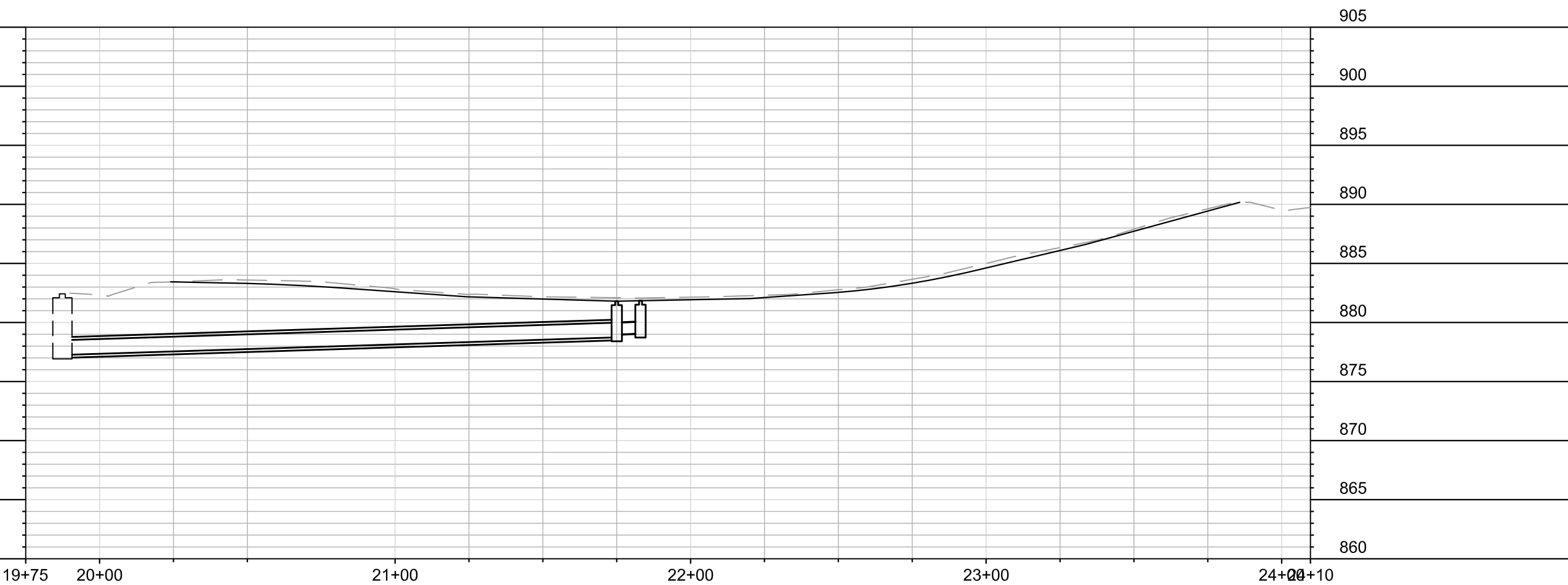
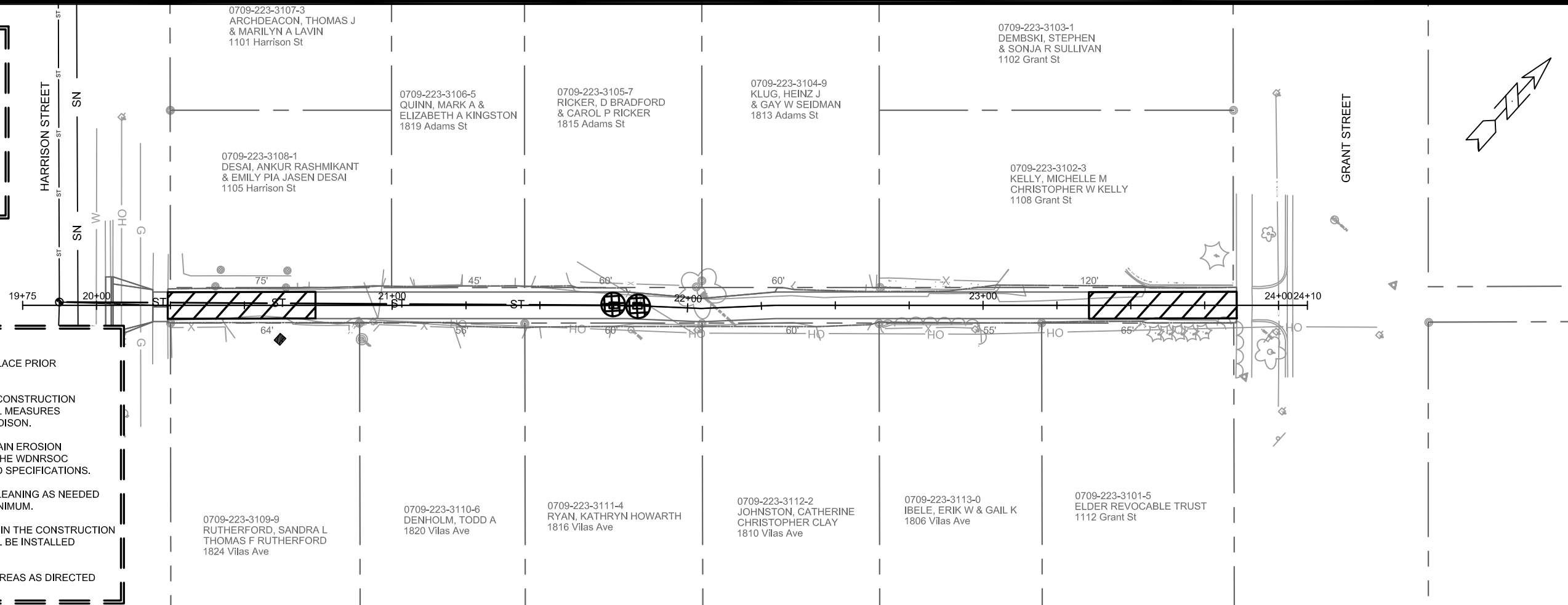
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MARK	REVISION	DATE	BY

11677  
 MADISON, DANE, WI  
 CONTRACT NO: 8121  
 EC-2

EROSION CONTROL PLAN  
 ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020  
 M:\DESIGN\Projects\11677\_C3D\CAD\Storm\11677 ErosionControl.dwg  
 11677  
 EC-2







RANDALL AVENUE

30+00

31+00

32+00

33+00

34+00

34+62

30+00

31+00

32+00

33+00

34+00

34+62

30+00

31+00

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34+00

34+62

30+00

31+00

32+00

33+00

34+00

34+62

30+00

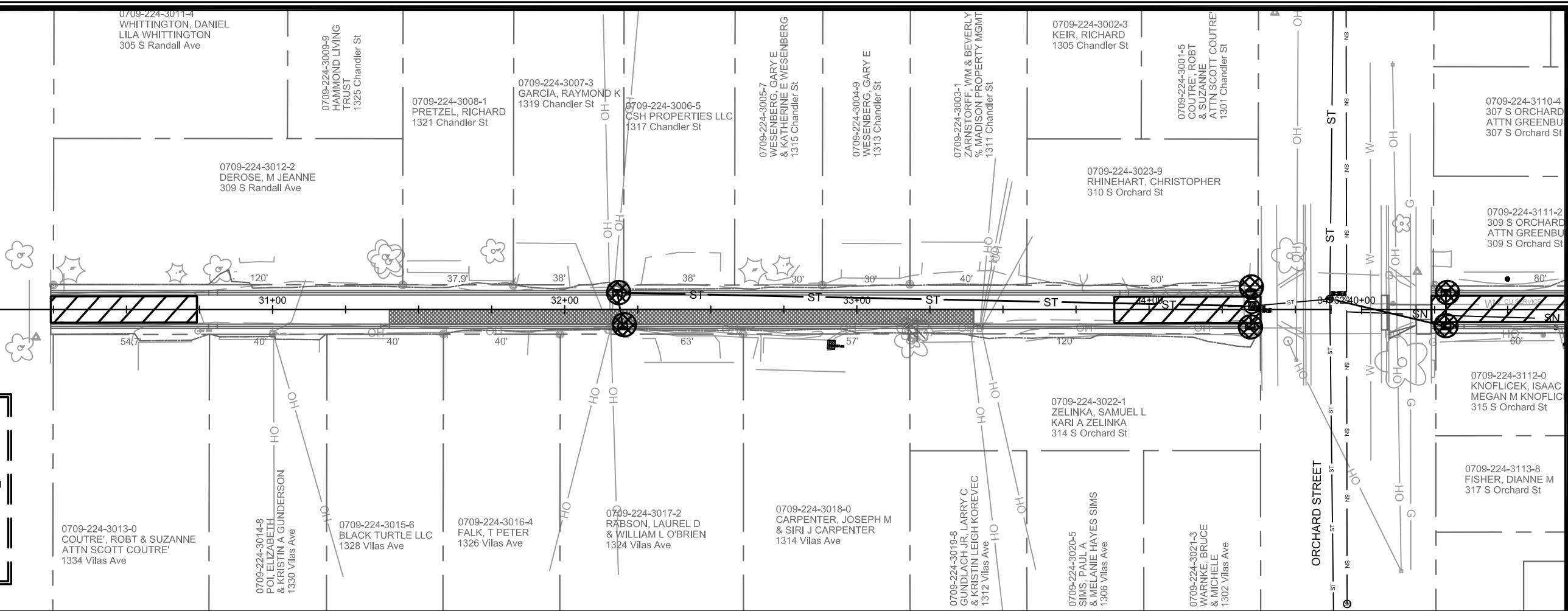
31+00

32+00

33+00

34+00

34+62



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
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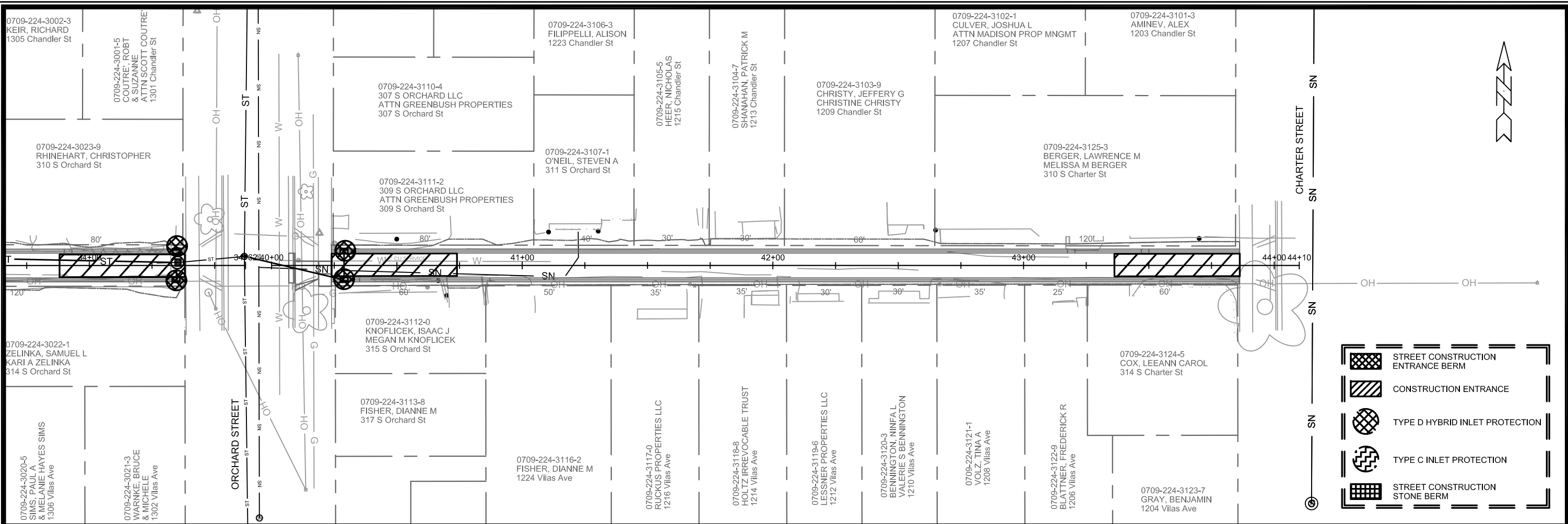
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

885  
880  
875  
870  
865  
860  
855  
850  
845  
840

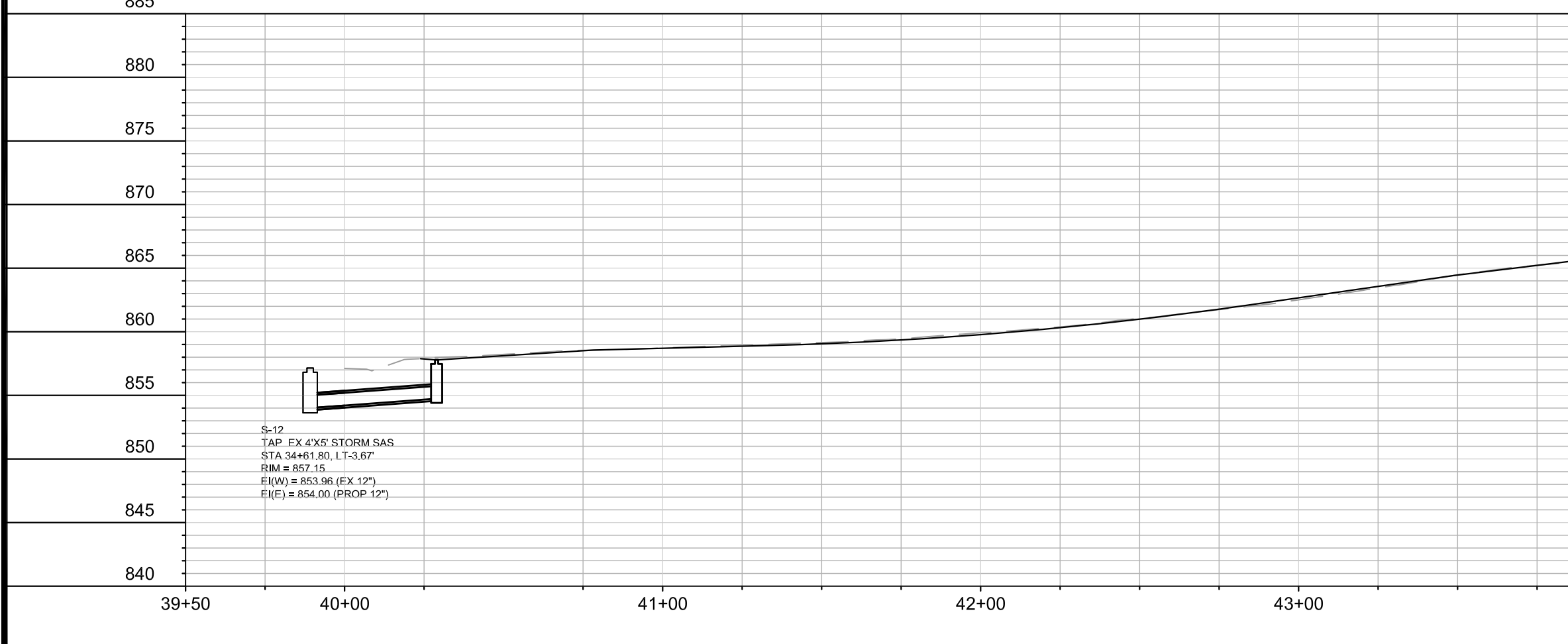
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11677		MADISON, DANE, WI		CONTRACT NO: 8121	
EROSION CONTROL PLAN		ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020		11677	
11677		11677		11677	
EC-3		EC-3		EC-3	

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- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
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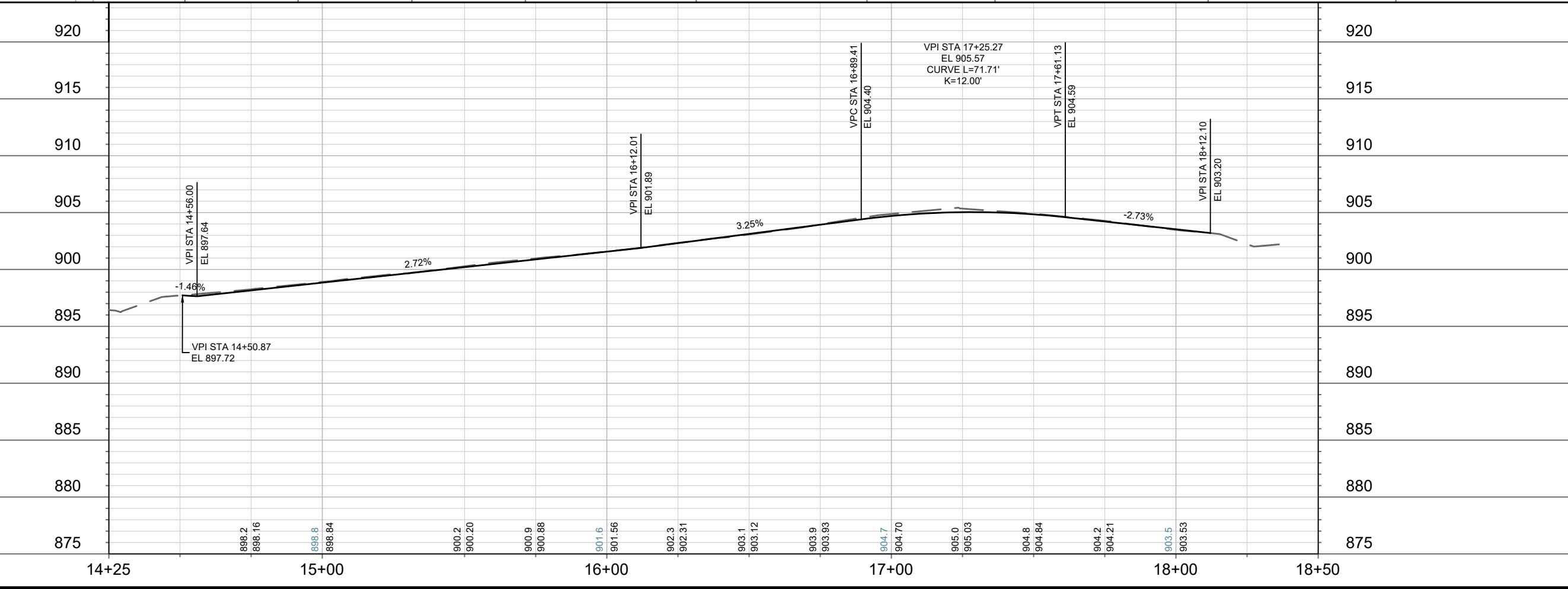
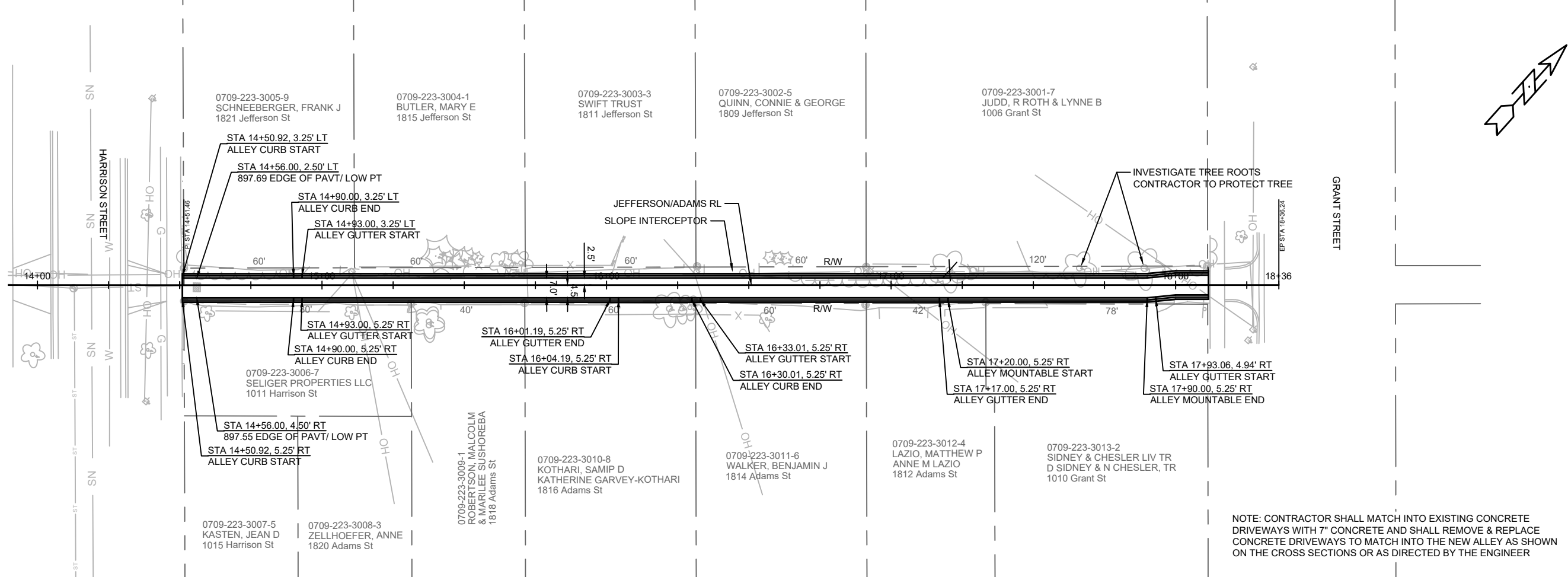
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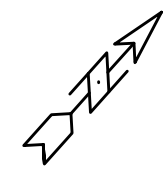
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

11677	MADISON, DANE, WI	8121	EC-4
ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020		CONTRACT NO.:	
EROSION CONTROL PLAN		11677	
11677		EC-4	
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NOTE: CONTRACTOR SHALL MATCH INTO EXISTING CONCRETE DRIVEWAYS WITH 7" CONCRETE AND SHALL REMOVE & REPLACE CONCRETE DRIVEWAYS TO MATCH INTO THE NEW ALLEY AS SHOWN ON THE CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER



PLAN & PROFILE	11677	MADISON, DANE, WI	8121	P-2
ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020				
CITY OF MADISON				
CONTRACT NO:				
11677				
Designed By: KDF Date: 2-20-2020 Scale: 1" = 40'				
REVISION				
MARK				
DATE				
BY				

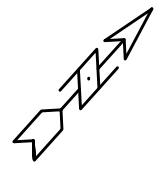












VAN BUREN STREET

10+00

925

920

915

910

905

900

895

890

885

880

10+00

11+00

12+00

13+00

14+00

15+00

15+23

0709-223-3207-1  
RMM TRUST  
1921 Jefferson St

0709-223-3206-3  
FIELDER, JOHN PAUL  
KELLY DINARDO  
1919 Jefferson St

0709-223-3205-5  
SCHECKEL, PATRICK J  
& DANA C SCHECKEL  
1915 Jefferson St

0709-223-3204-7  
ALMASIKOLAN RV TRUST  
1909 Jefferson St

0709-223-3203-9  
SINGER, BRADLEY S  
THERESA M BOUNDY  
1905 Jefferson St

0709-223-3202-1  
BURGESS, R C  
& DONNA L PEOTA  
1901 Jefferson St

0709-223-3005-9  
SCHNEEBERGER, FRANK J  
1821 Jefferson St

0709-223-3004-1  
BUTLER, MARY E  
1815 Jefferson St

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ZEPS TRUST, BETTY SHUFORD  
1922 Adams St

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RICHARDSON, THOMAS P  
BARBARA Z RICHARDSON  
1918 Adams St

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MOGENSEN, LEIF R  
& REBECCA J MOGENSEN  
1912 Adams St

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LEAVITT, LEWIS A  
1910 Adams St

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NAHAS, JAMES G  
& KATHLEEN J STANDEN  
1908 Adams St

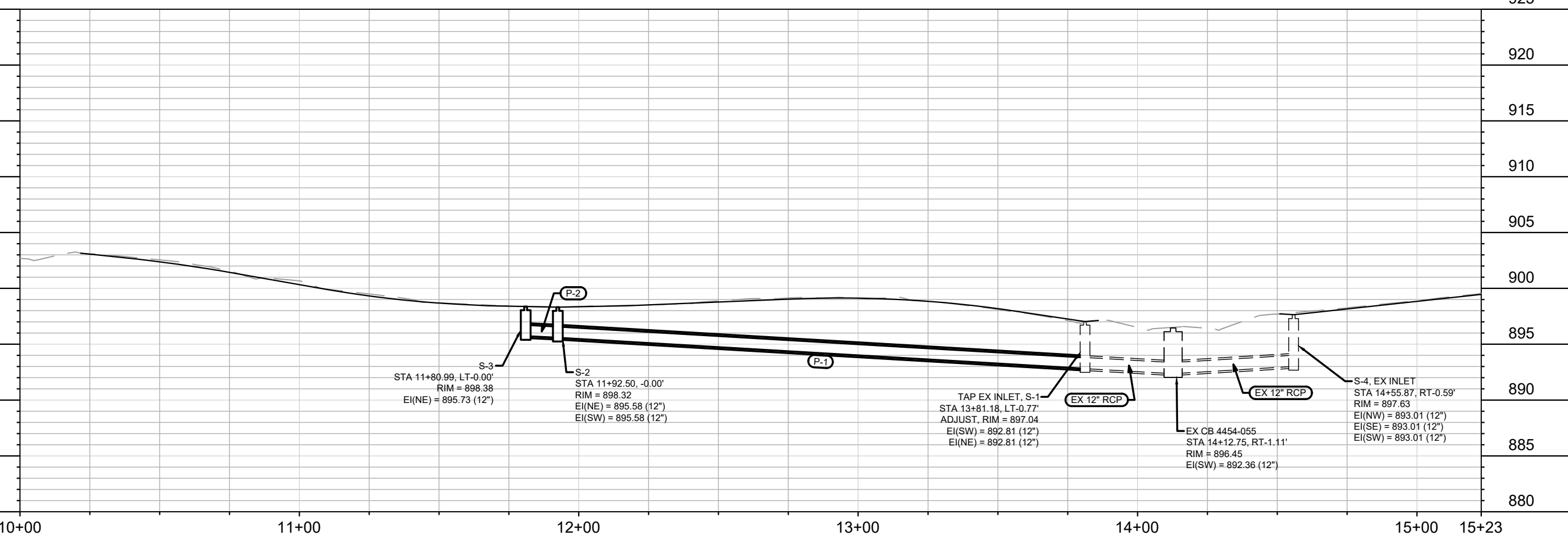
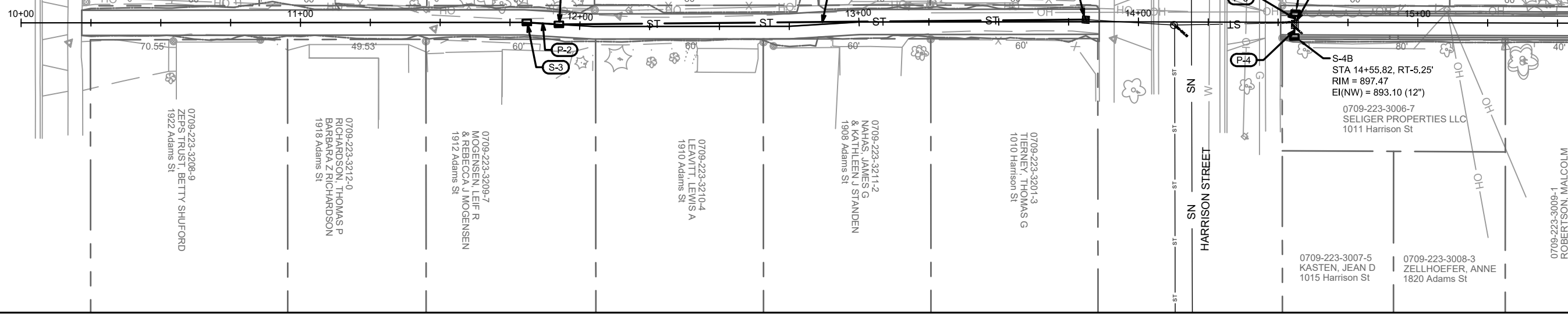
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TIERNNEY, THOMAS G  
1010 Harrison St

0709-223-3007-5  
KASTEN, JEAN D  
1015 Harrison St

0709-223-3006-7  
SELIGER PROPERTIES LLC  
1011 Harrison St

0709-223-3008-3  
ZELHOFER, ANNE  
1820 Adams St

0709-223-3009-1  
ROBERTSON, MALCOLM  
& MARILEE SUSHOREBA  
1818 Adams St



S-3  
STA 11+80.99, LT-0.00'  
RIM = 898.38  
EI(NE) = 895.73 (12")

S-2  
STA 11+92.50, -0.00'  
RIM = 898.32  
EI(NE) = 895.58 (12")  
EI(SW) = 895.58 (12")

TAP EX INLET, S-1  
STA 13+81.18, LT-0.77'  
ADJUST, RIM = 897.04  
EI(SW) = 892.81 (12")  
EI(NE) = 892.81 (12")

EX CB 4454-055  
STA 14+12.75, RT-1.11'  
RIM = 896.45  
EI(SW) = 892.36 (12")

S-4, EX INLET  
STA 14+55.87, RT-0.59'  
RIM = 897.63  
EI(NW) = 893.01 (12")  
EI(SE) = 893.01 (12")  
EI(SW) = 893.01 (12")

MARK	REVISION	DATE	BY
11677		2/27/2020 8:26 AM	U-1

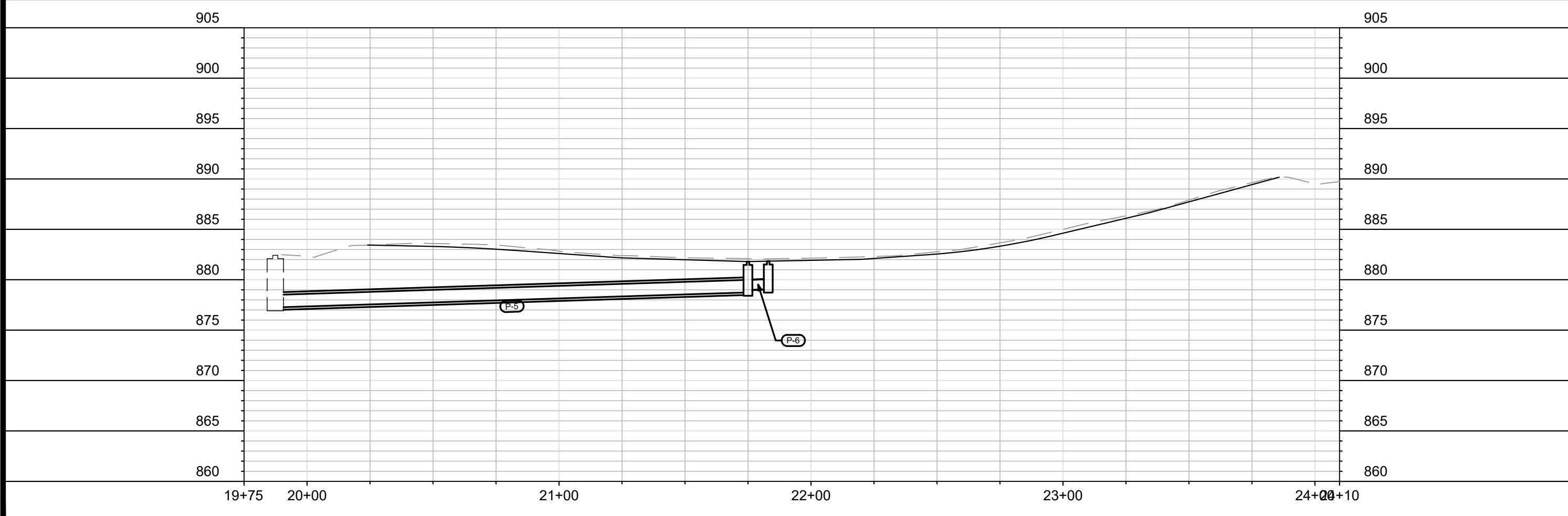
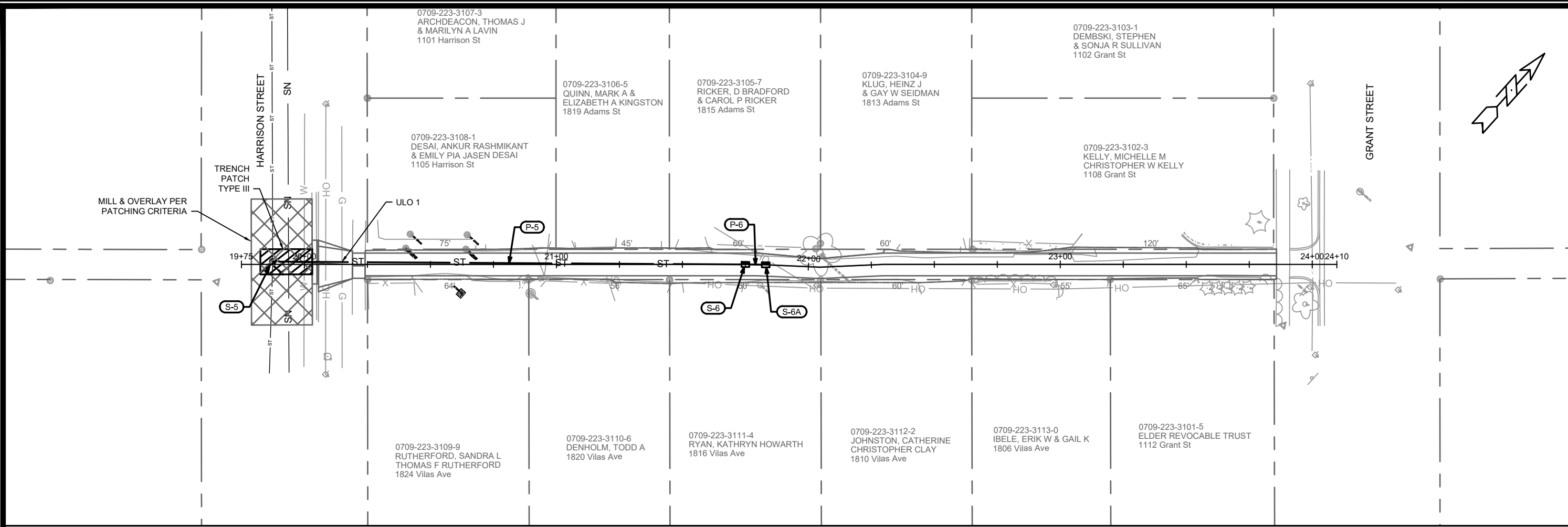
11677  
MADISON, DANE, WI  
CONTRACT NO: 8121

STORM SEWER PLAN & PROFILE - JEFFERSON-ADAMS ALLEY  
ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020



11677  
U-1

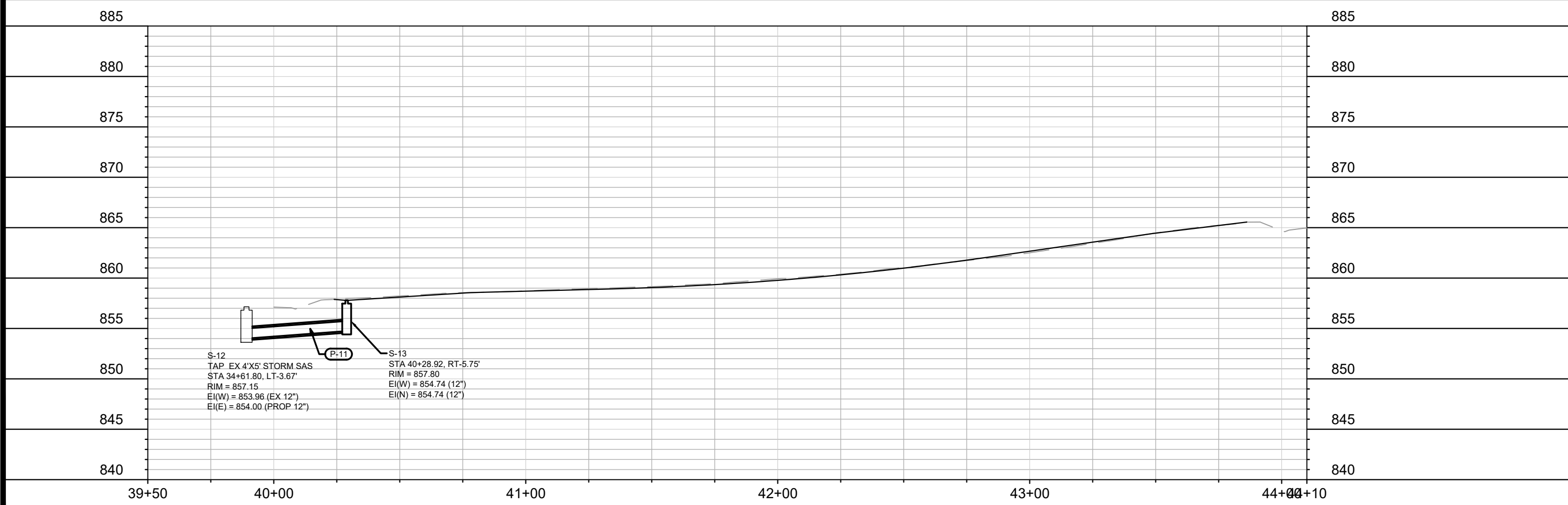
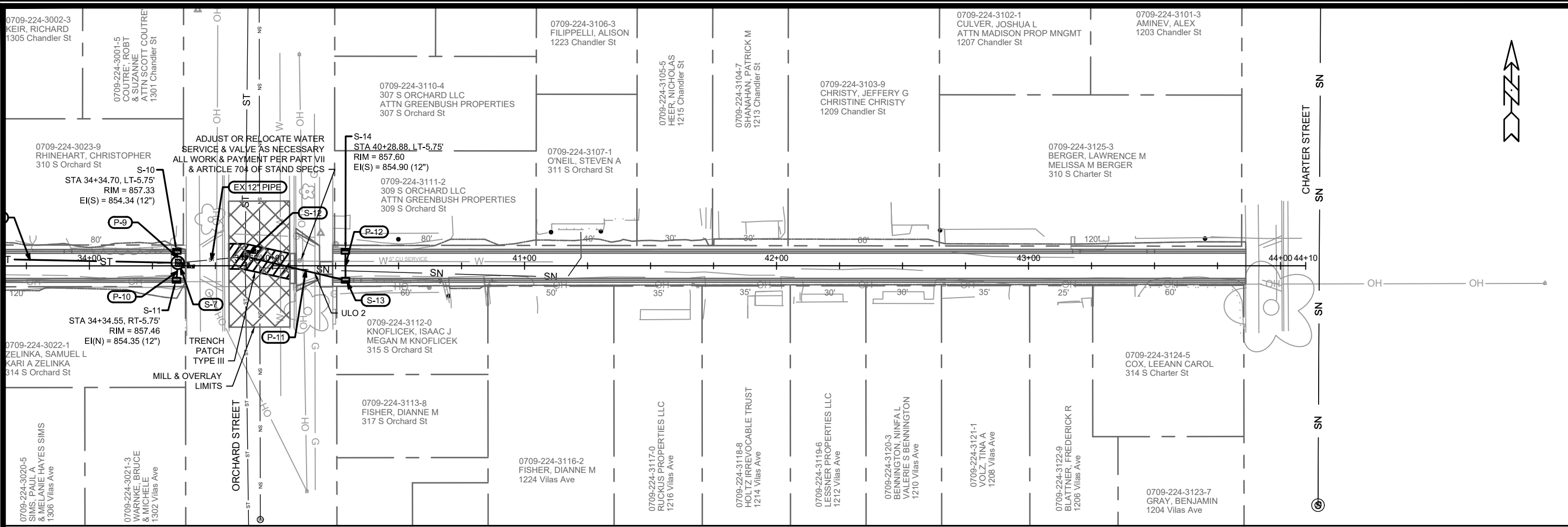
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11677	11677	11677	U-2
MARK	REVISION	DATE	BT
Designed By: KDF	Date: 2/27/2020 8:26 AM	Scale: 1" = 40'	U-2
11677	8121	CONTRACT NO:	
<b>STORM SEWER PLAN &amp; PROFILE - ADAMS-VILAS ALLEY</b> <b>ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020</b> <b>MADISON, DANE, WI</b>			
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11677	U-2		







11677	11677	U-4
MARK	REVISION	DATE
Designed By: KDF	Date: 2/21/2020 8:26 AM	Scale: 1" = 40'
11677	8121	U-4
<b>STORM SEWER PLAN &amp; PROFILE - CHANDLER-VILAS ALLEY</b> <b>ALLEYS RECONSTRUCTION ASSESSMENT DISTRICT - 2020</b> <b>MADISON, DANE, WI</b>		
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11677	U-4	

# STORM SEWER SCHEDULE

STA 10+00 - STA 18+36: 1800 & 1900 Blocks Jefferson/Adams Alley  
 STA 19+75 - STA 24+10: 1800 Block Adams/Vilas Alley  
 STA 30+00 - STA 34+62: 1300 Block Chandler/Vilas Alley  
 STA 40+00 - STA 44+10: 1200 Block Chandler/Vilas Alley

ALLEYS RECONSTRUCTION - 2020  
 PROJECT NO. 11677

SHEET NO.  
 U-5

STORM SEWER SCHEDULE

CITY OF MADISON

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>1800 &amp; 1900 Blocks Jefferson/Adams Alley</b>							
S-1	13+81.18'	-0.77'	EX INLET, TAP	897.04	892.81	4.23	ADJUST
S-2	11+92.50'	0.00'	H INLET	898.32	895.58	2.74	LP, W/R-1878-B7G
S-3	11+80.99'	0.00'	H INLET	898.38	895.73	2.65	W/R-1878-B7G
S-4	14+55.87'	0.59'	EX INLET, 2 TAPS	897.63	893.01	4.62	ADJUST
S-4A	14+56.28'	-3.25'	H INLET	897.62	893.08	4.54	[2] LP, W/R-3362-L
S-4B	14+55.82'	5.25'	H INLET	897.47	893.10	4.37	[2] LP, W/R-3362-L
<b>1800 Block Adams/Vilas Alley</b>							
S-5	19+87.42'	-1.11'	EX 6'X6' SAS, TAP	882.43	877.25	5.18	--
S-6	21+75.00'	0.00'	H INLET	881.80	878.74	3.06	LP, W/R-1878-B7G
S-6A	21+83.05'	0.00'	3X3 SAS	881.84	879.06	2.78	W/R-1878-B7G
<b>1200&amp; 1300 Block Chandler/Vilas Alley</b>							
S-7	34+35.11	LT-1.18	3X3 SAS	857.01	854.28	2.73	FP, W/R-1550-0054
S-8	32+18.04	LT-5.75	H INLET	858.26	855.31	2.95	[2], W/R-3362-L
S-9	32+19.88	RT-5.75	H INLET	858.39	855.37	3.02	[1] UD, W/R-3281-A
S-10	34+34.70	LT-5.75	H INLET	857.33	854.34	2.99	[2] LP, W/R-3362-L
S-11	34+34.55	RT-5.75	H INLET	857.46	854.35	3.11	[2] LP, W/R-3362-L
S-12	34+61.80	LT-3.67	EX 4'X4' SAS, TAP	857.15	854.00	3.15	--
S-13	40+28.92	RT-5.75	3'X3' SAS	857.80	854.74	3.06	[2] LP, W/R-3362-L
S-14	40+28.88	LT-5.75	H INLET	857.60	854.90	2.70	[2] LP, W/R-3362-L

## 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
<b>1800 &amp; 1900 Blocks Jefferson/Adams Alley</b>										
P-1	S-1	S-2	892.81	895.58	188.62	186.12	1.49%	12"	TYPE I	TAP EX STRUCTURE
P-2	S-2	S-3	895.58	895.73	11.51	8.5	1.76%	12"	TYPE I	-
P-3	S-4	S-4A	893.01	893.08	3.86	1.36	5.15%	12"	TYPE II	-
P-4	S-4	S-4B	893.01	893.10	4.66	2.16	4.17%	12"	TYPE II	-
<b>1800 Block Adams/Vilas Alley</b>										
P-5	S-5	S-6	877.25	878.74	187.59	181.99	0.82%	15"	TYPE I	TAP EX STRUCTURE
P-6	S-6	S-6A	878.98	879.06	8.05	5.05	1.58%	12"	TYPE II	-
<b>1200&amp; 1300 Block Chandler/Vilas Alley</b>										
P-7	S-7	S-8	854.26	855.31	217.11	214.11	0.49%	12"	TYPE I	-
P-8	S-8	S-9	855.31	855.37	11.65	9.61	0.62%	12"	TYPE I	-
P-9	S-7	S-10	854.26	854.34	4.59	2.08	3.85%	12"	TYPE II	-
P-10	S-7	S-11	854.26	854.35	6.95	4.44	2.03%	12"	TYPE II	-
P-11	S-12	S-13	854.00	854.74	40.93	37.26	1.99%	12"	TYPE I	TAP EX STRUCTURE
P-12	S-13	S-14	854.74	854.90	11.50	9.00	1.78%	12"	TYPE I	-

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
--	IN 4654-063	34+35.11	Lt-1.18	H INLET	

## STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
1	20+14.90	LT-0.95	GAS	1800 VILAS ALLEY
2	40+16.79	RT-2.88	GAS	1200 CHANDLER ALLEY

NOTE: CONTRACT INCLUDES 2 UNDISTRIBUTED ULOS

**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.

## SPECIFIC NOTES:

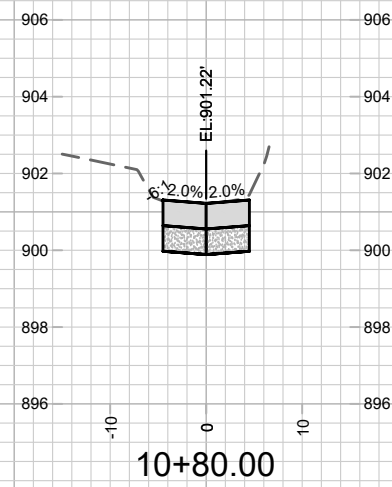
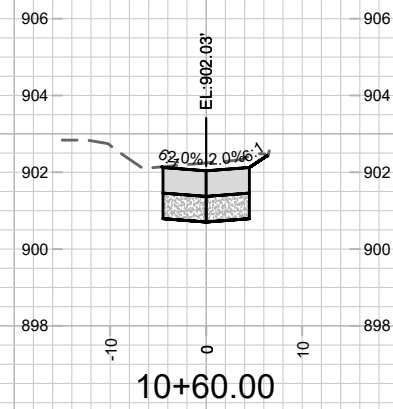
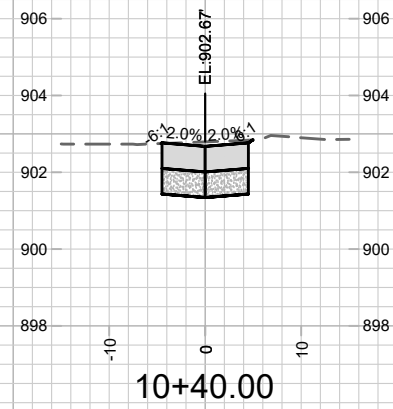
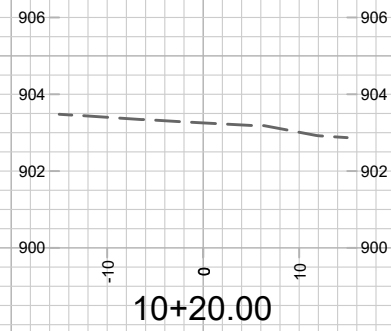
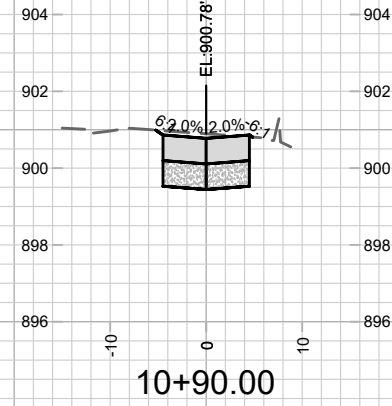
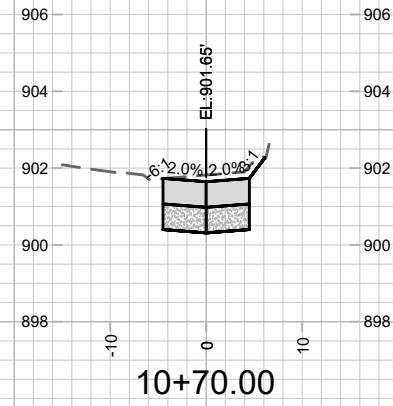
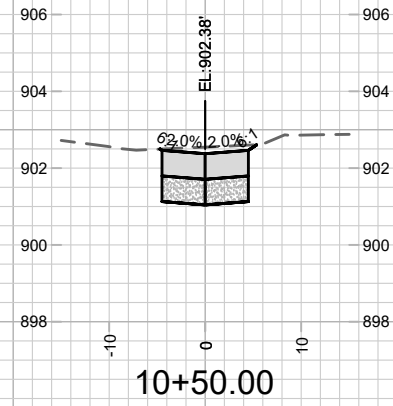
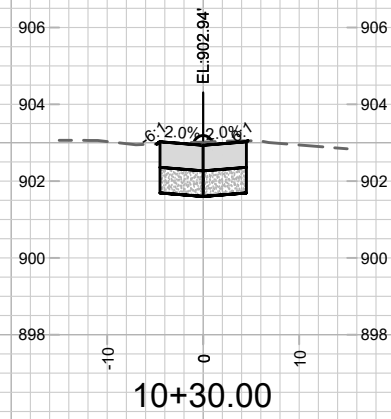
- [1] 6-Inch roof required on structure, which shall be included with the price of the structure.
- [2] Top of casting elevation is to the flowline of curb/gutter

## STANDARD NOTES:

- KOR-N-SEAL BOOTS OR APPROVED EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO INLETS. IN ADDITION, KOR-N-SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTION TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR-N-SEAL BOOTS MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES
- 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.

## STANDARD NOTES:

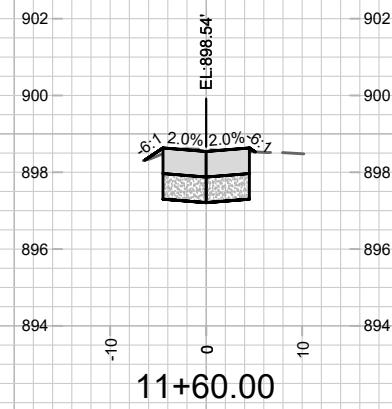
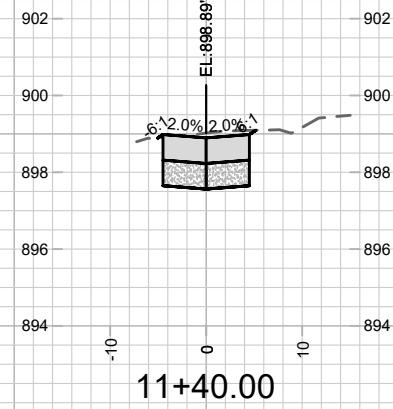
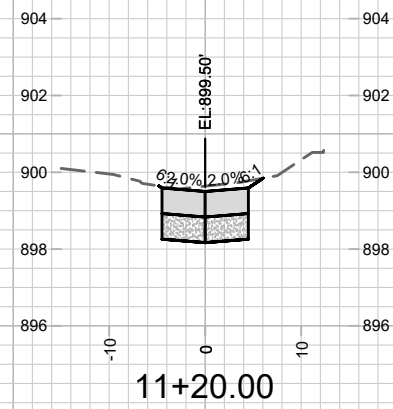
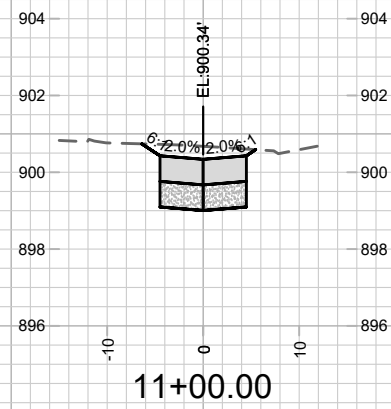
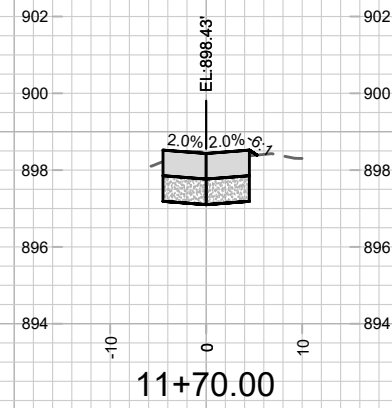
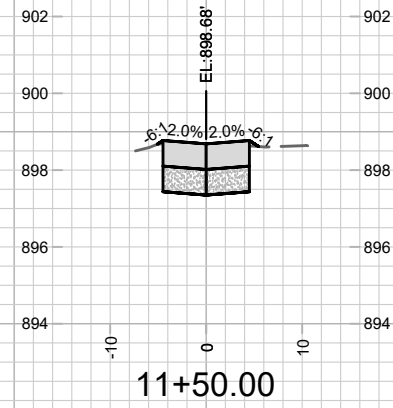
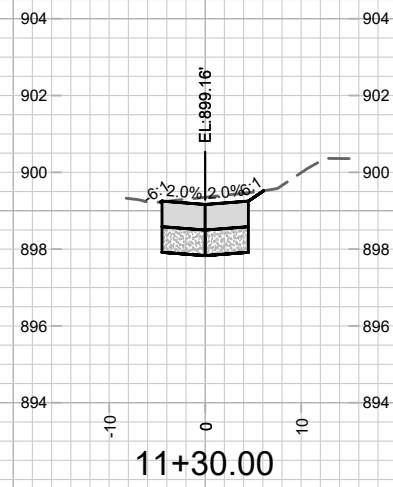
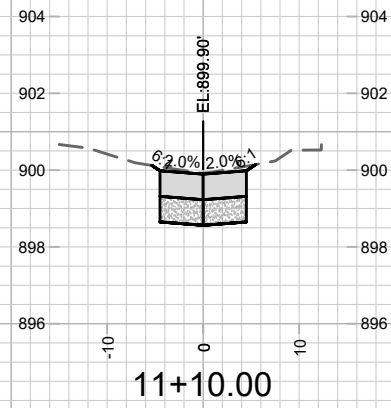
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS'S.
- 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 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 JIM WOLFE OF CITY ENGINEERING AT (608) 266-4099 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO JWOLFE@CITYOFMADISON.COM.



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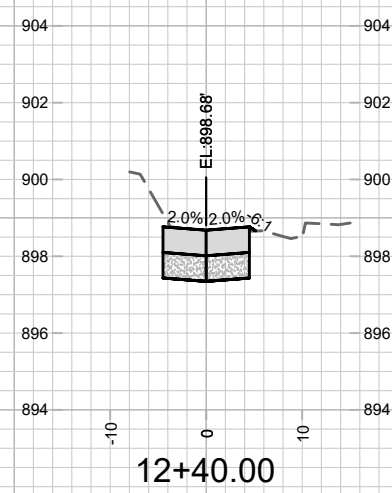
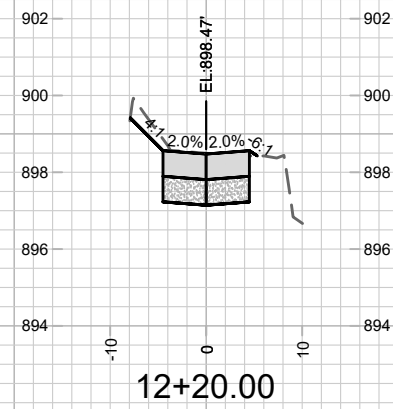
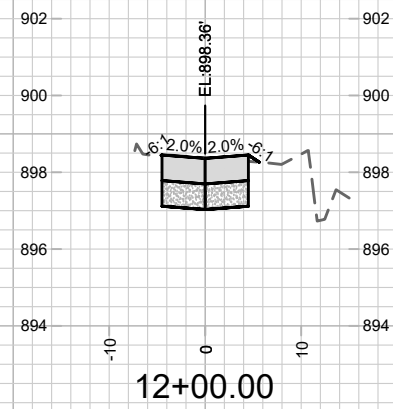
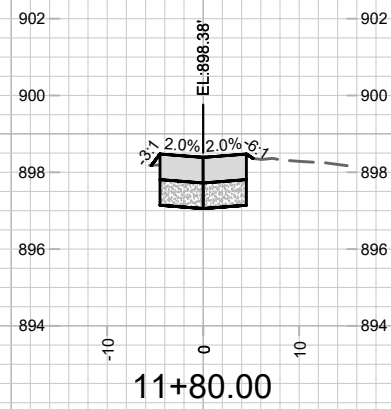
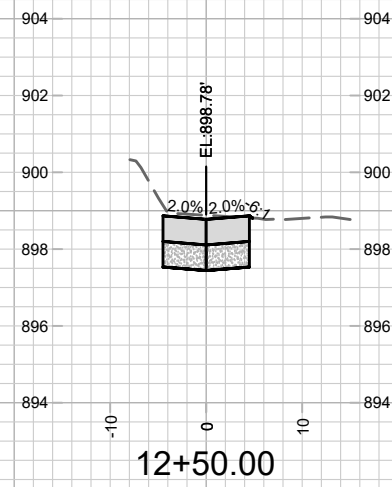
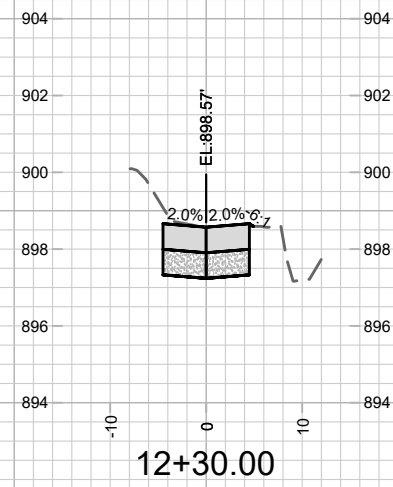
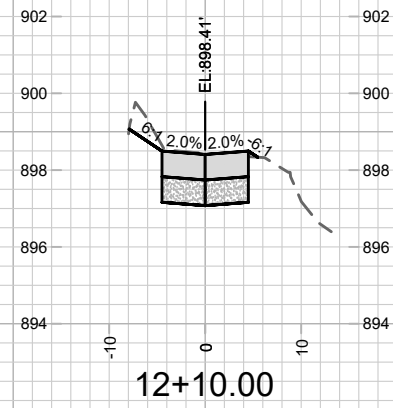
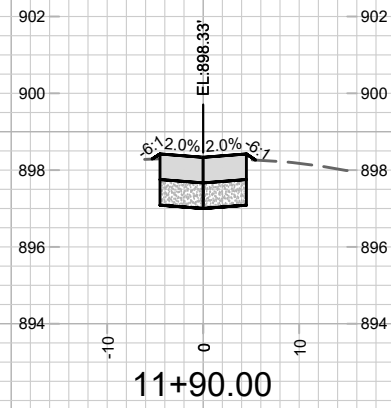
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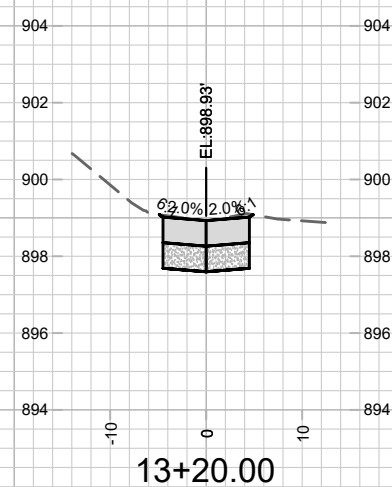
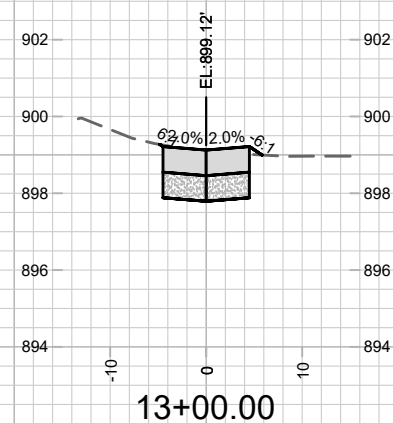
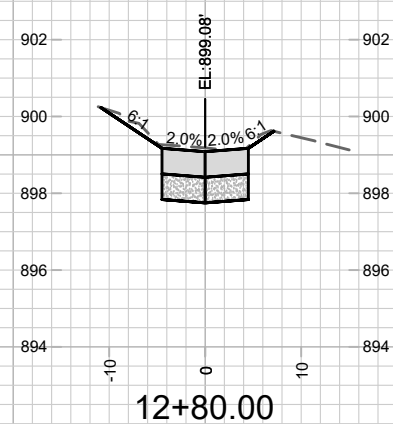
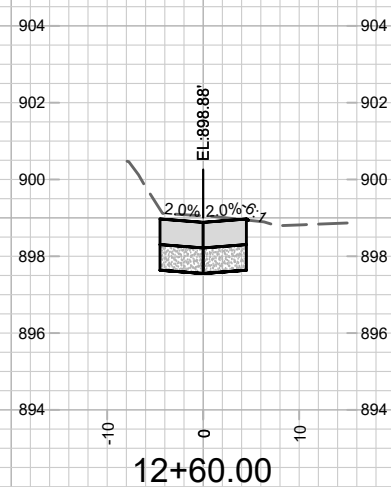
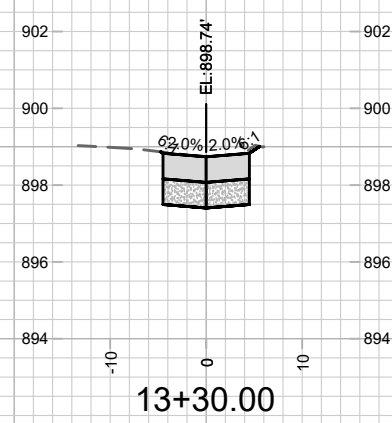
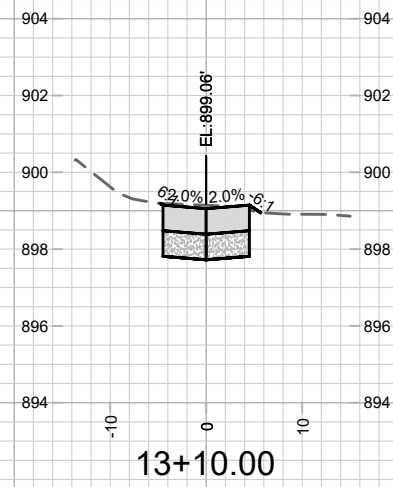
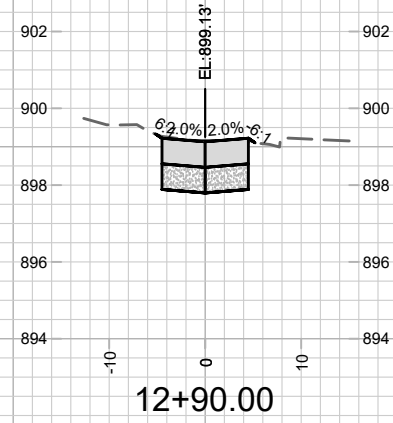
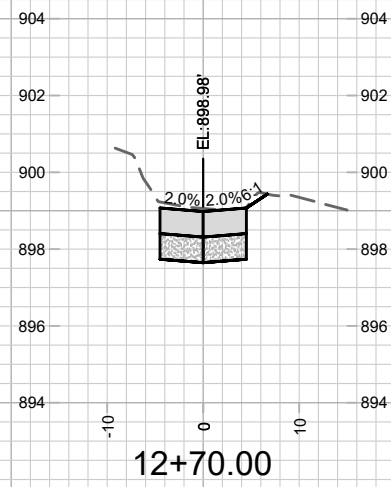


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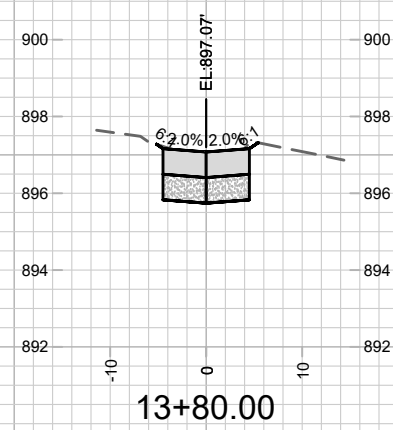
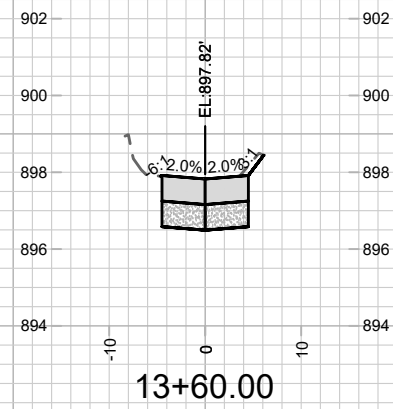
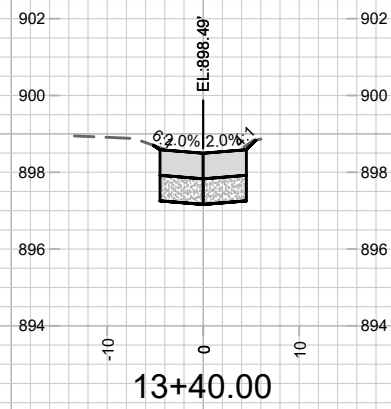
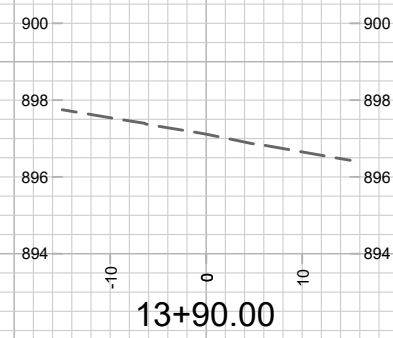
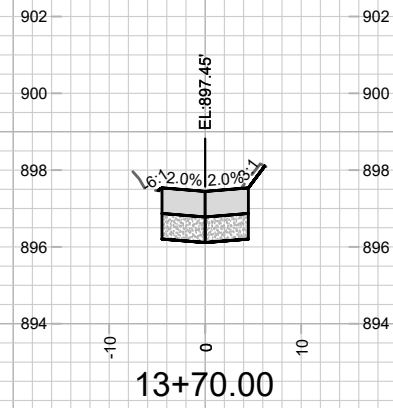
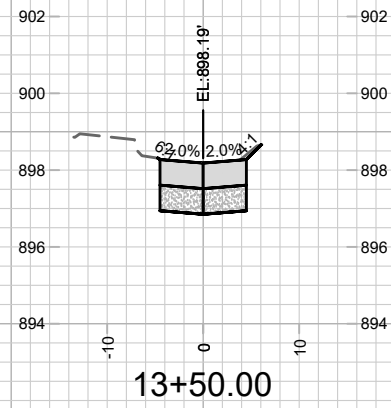
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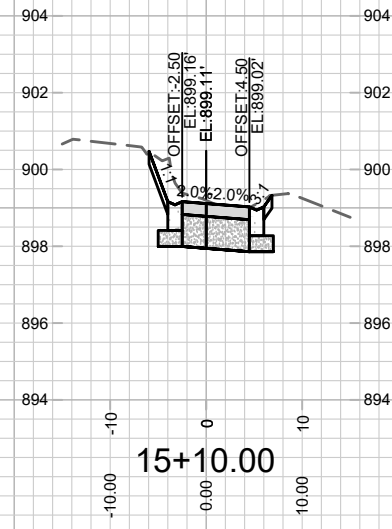
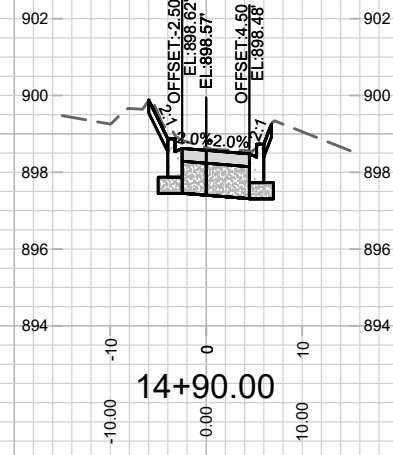
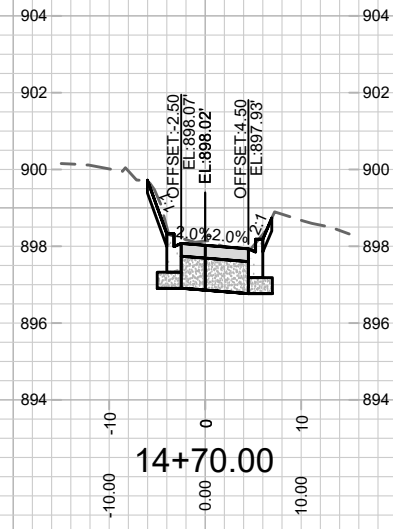
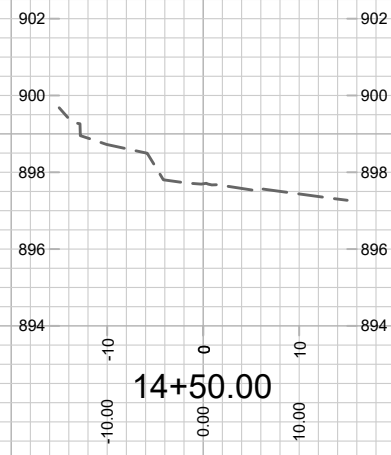
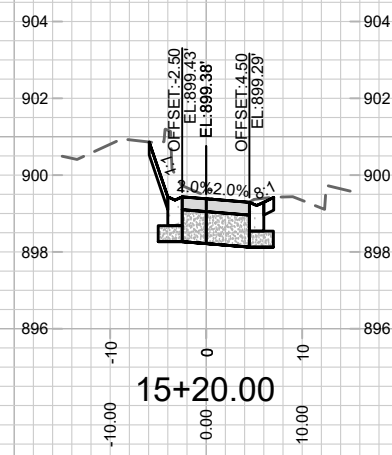
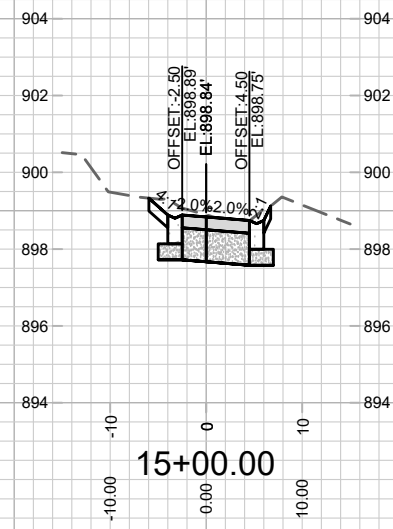
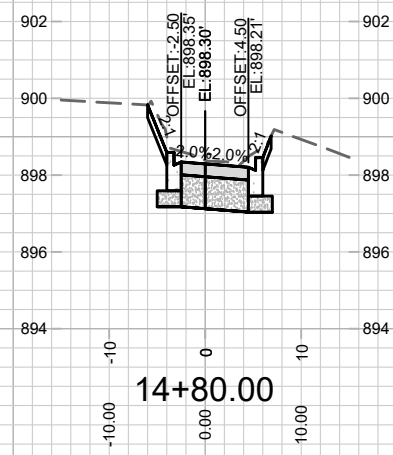
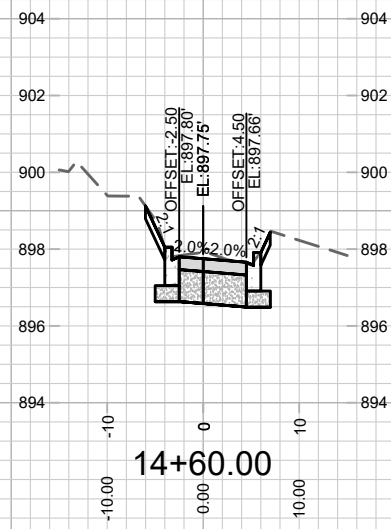
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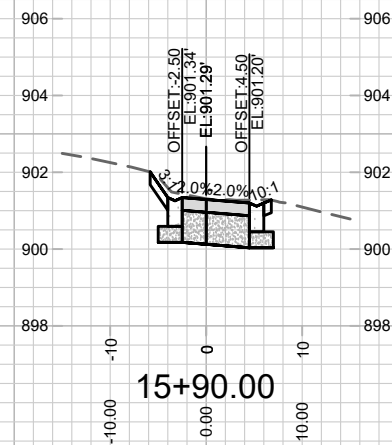
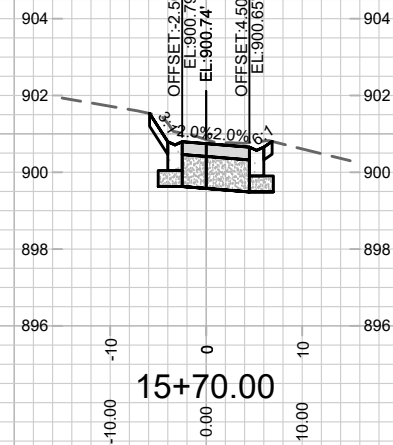
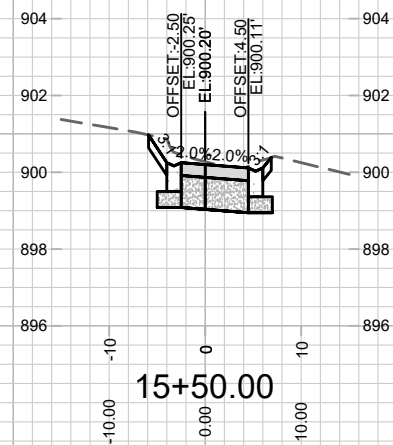
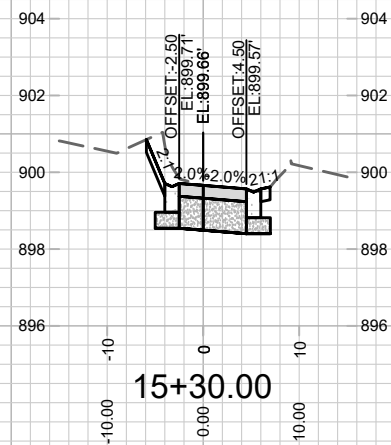
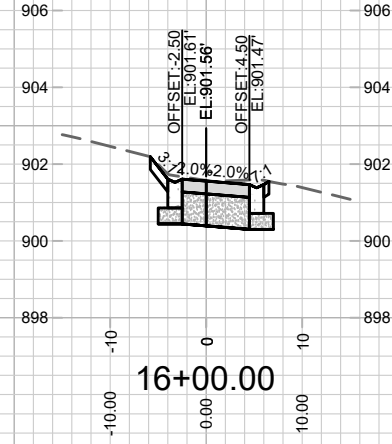
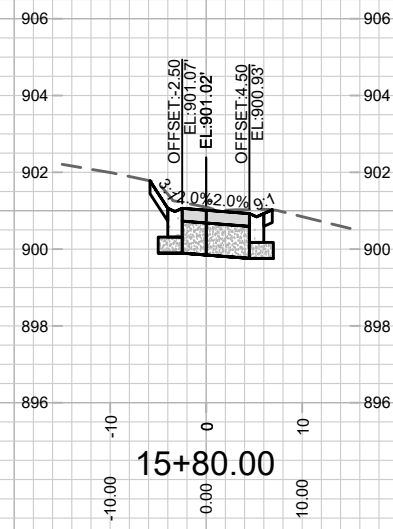
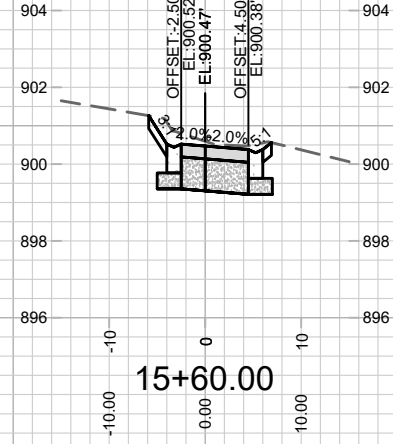
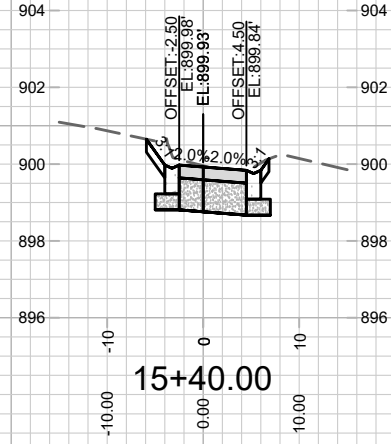


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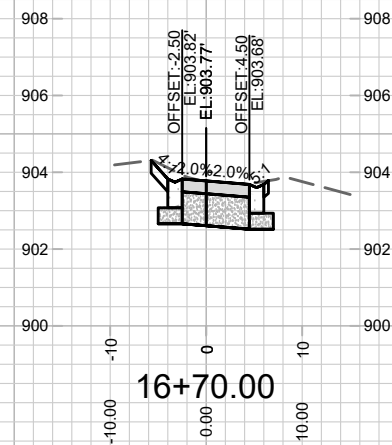
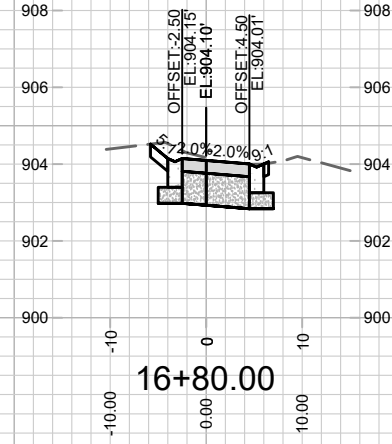
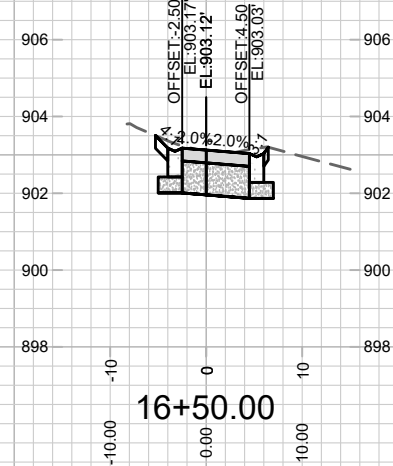
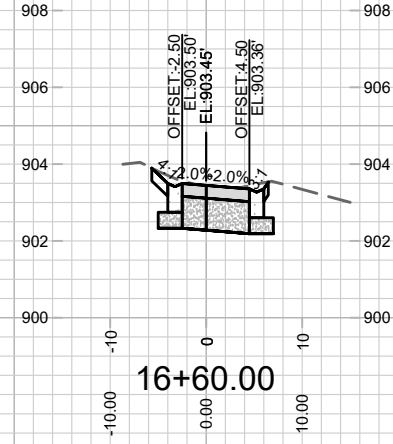
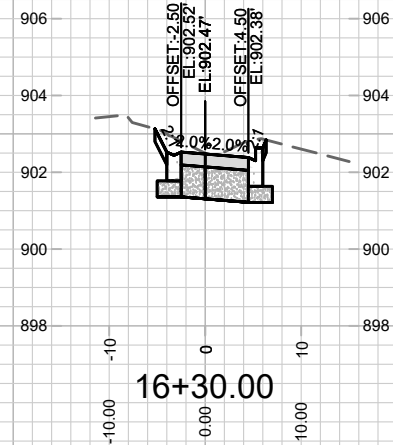
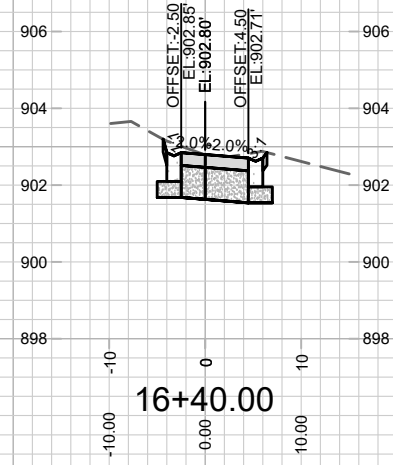
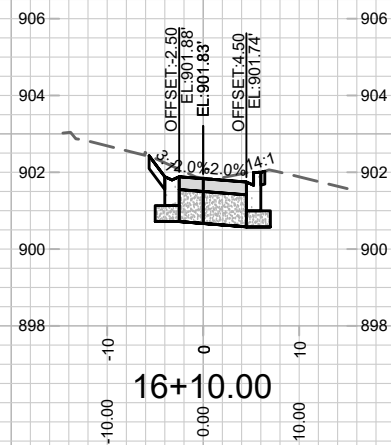
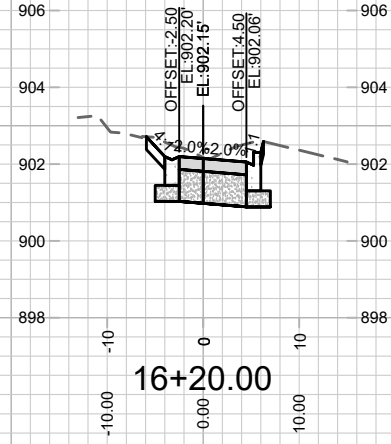


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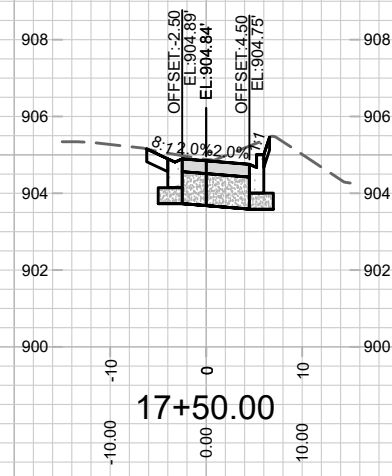
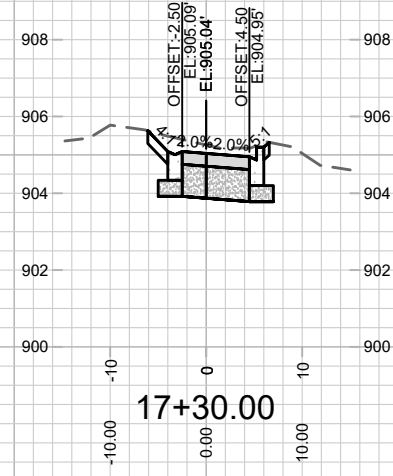
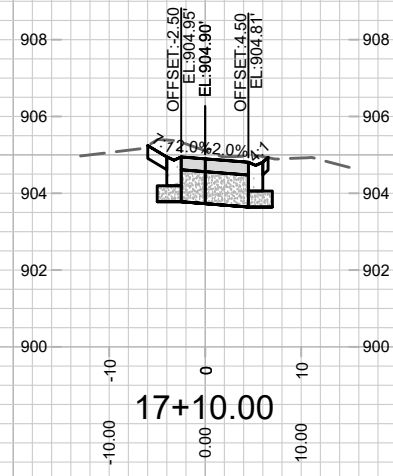
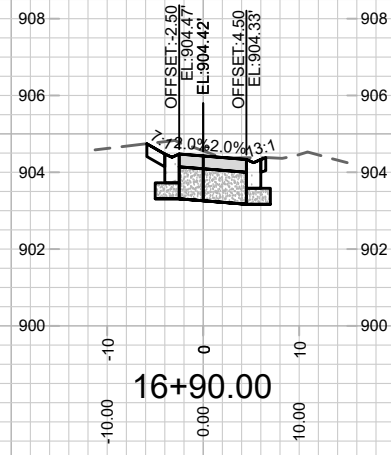
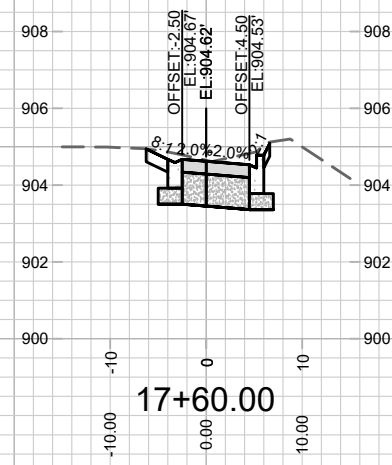
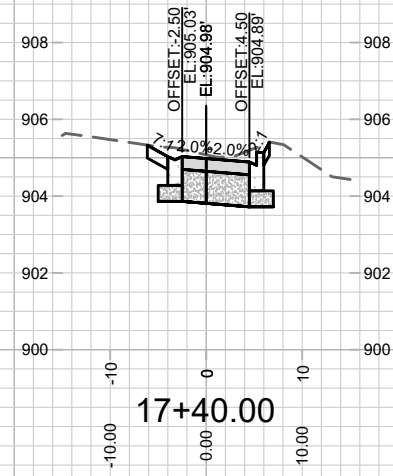
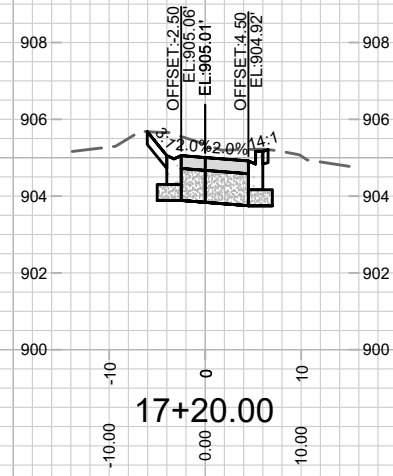
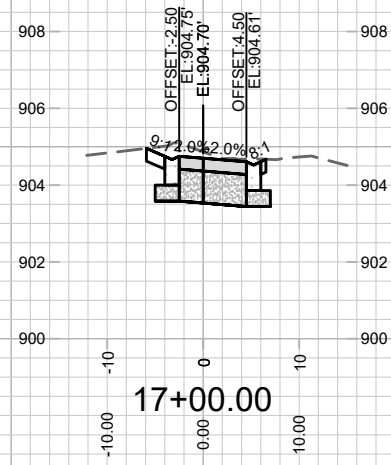
Designed By: KDF Date: 2/20/2020 10:22 AM Scale: 1" = 20'  
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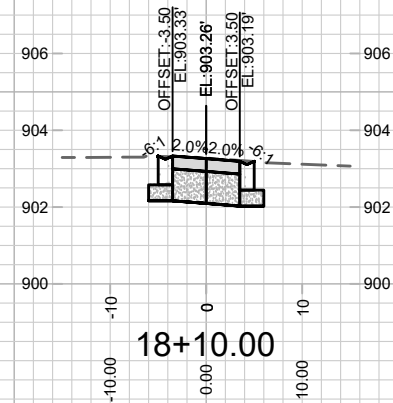
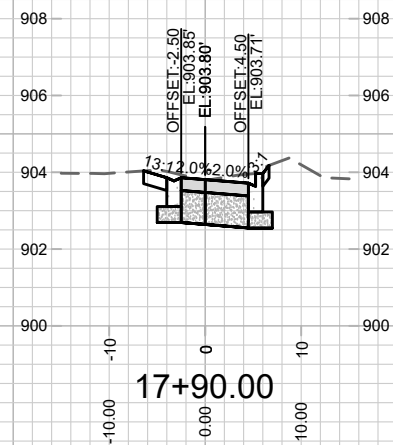
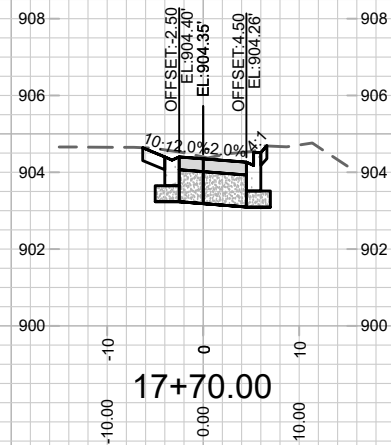
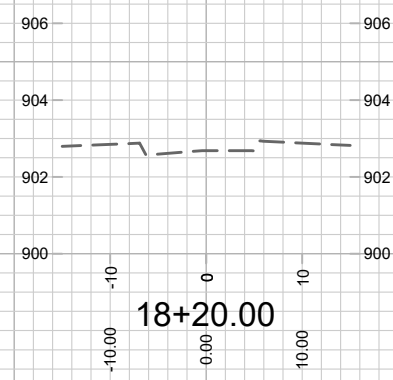
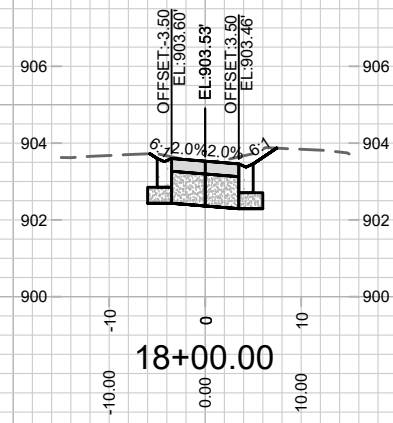
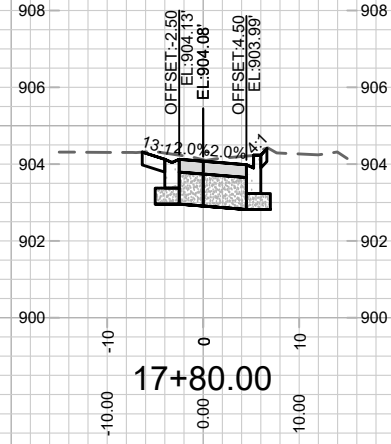
CROSS SECTIONS 11677  
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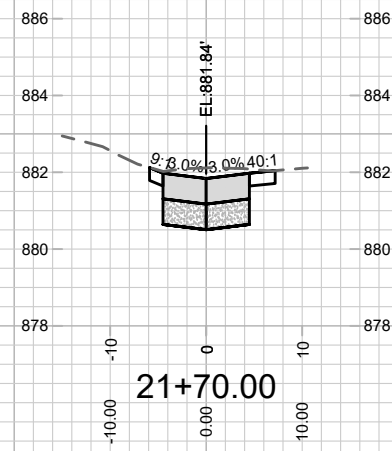
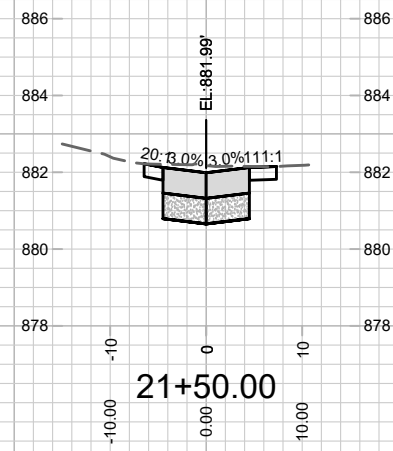
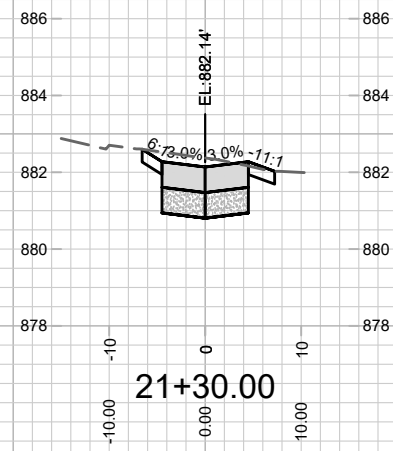
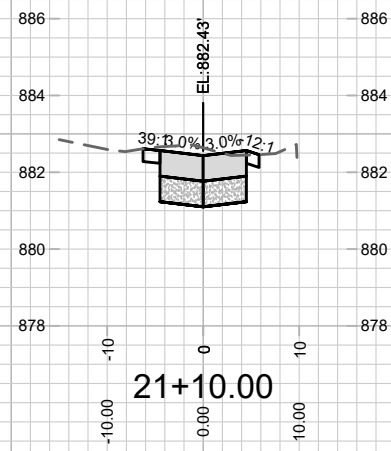
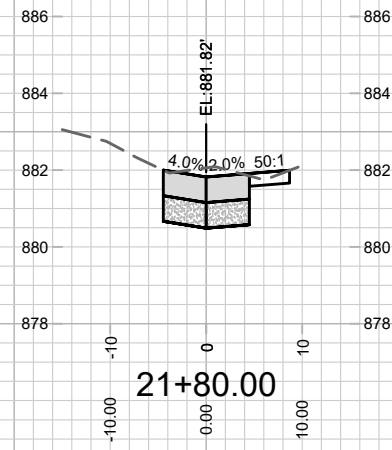
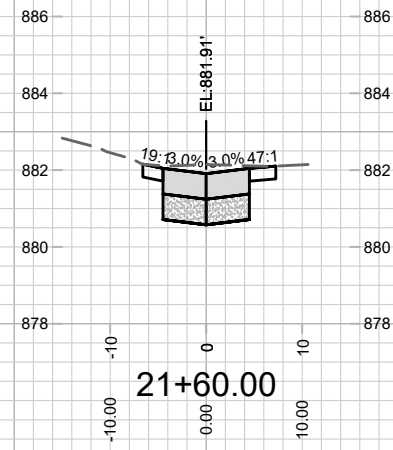
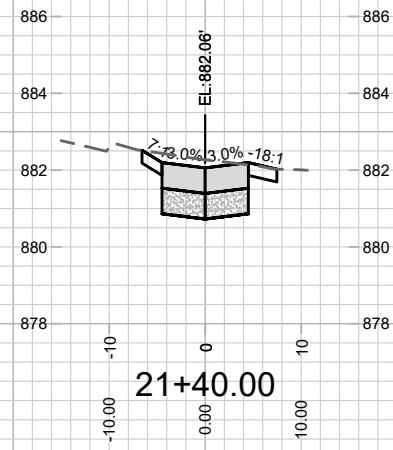
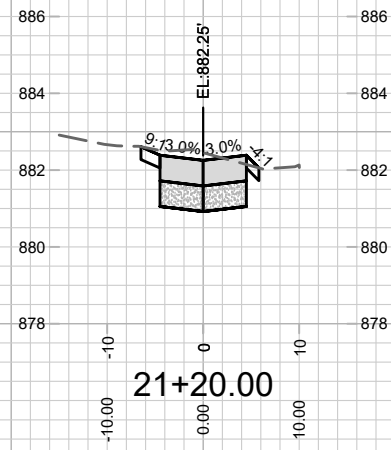




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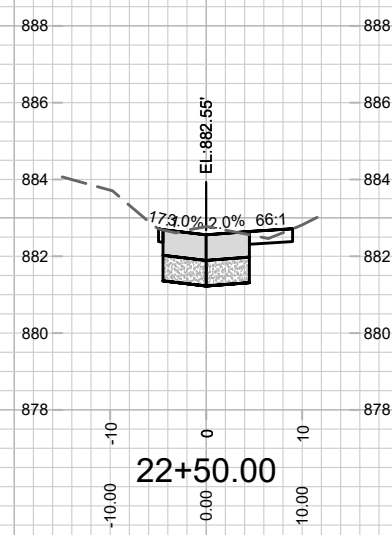
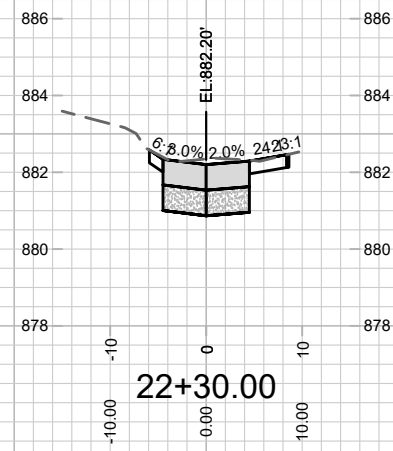
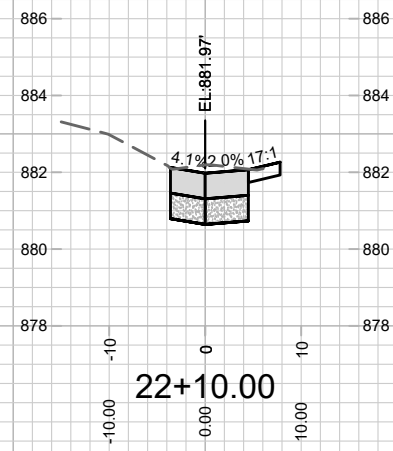
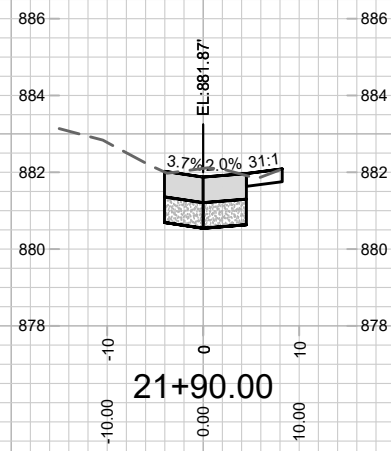
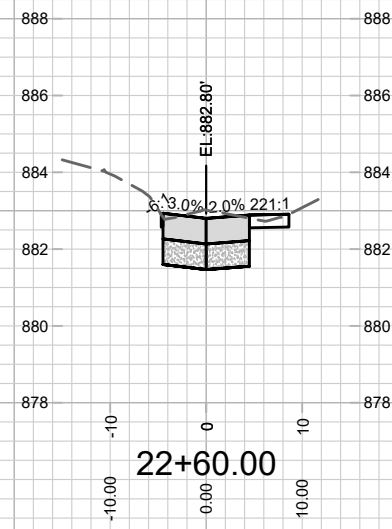
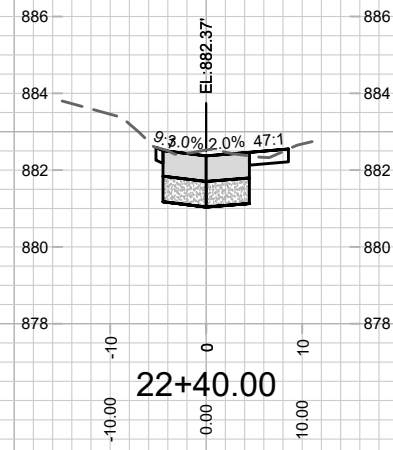
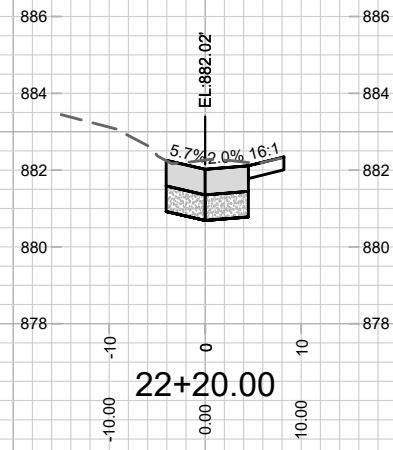
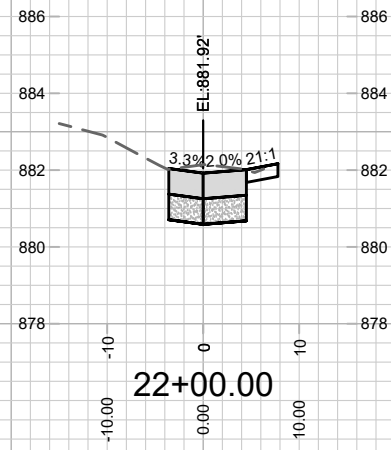




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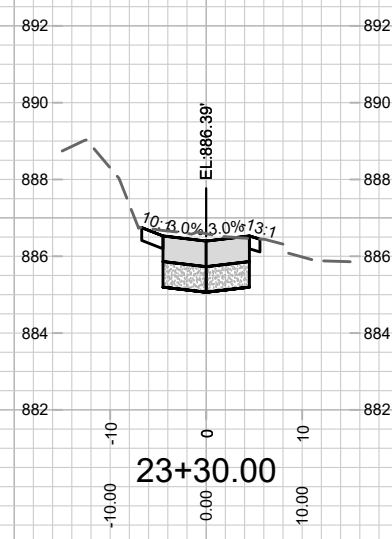
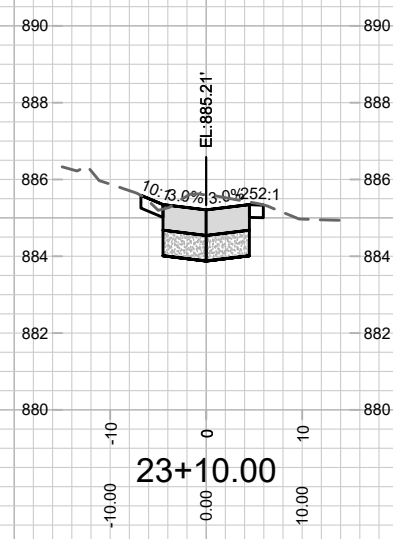
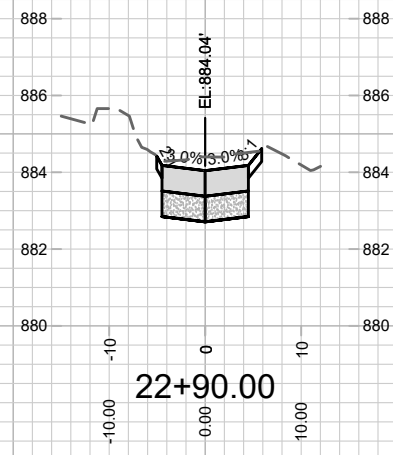
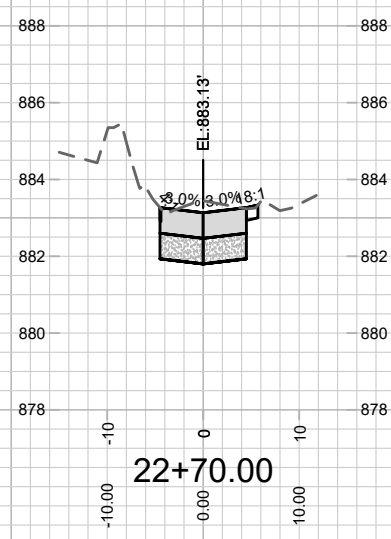
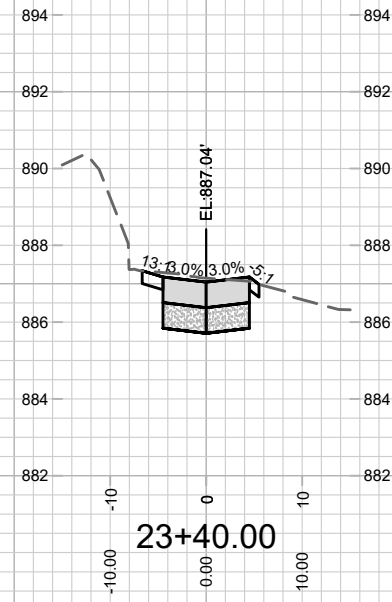
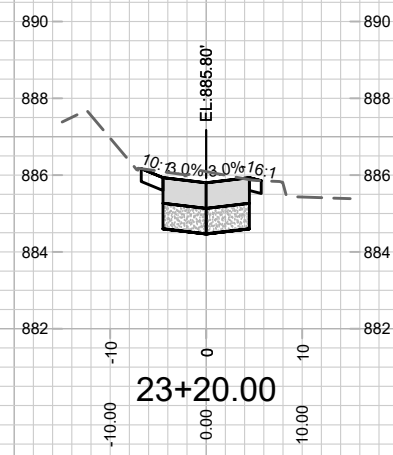
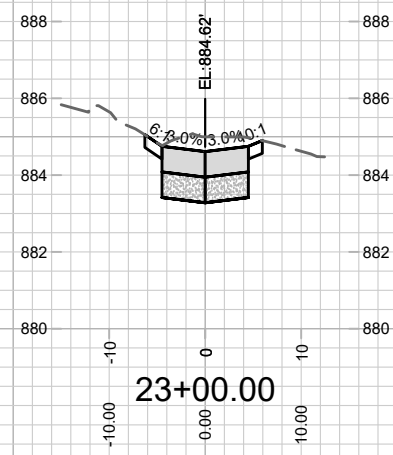
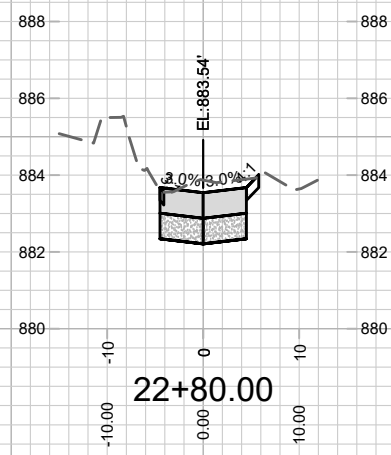
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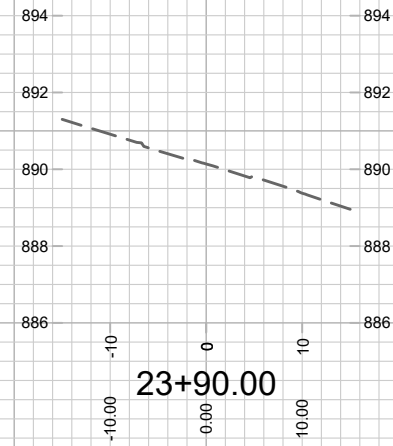
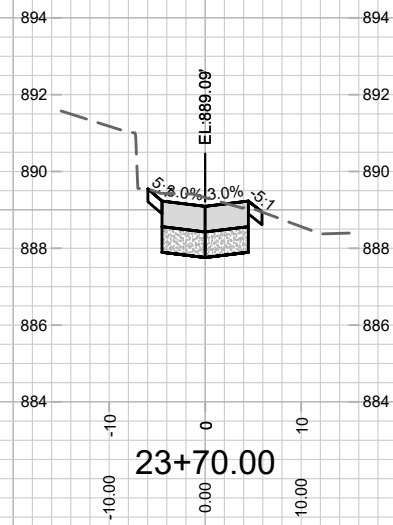
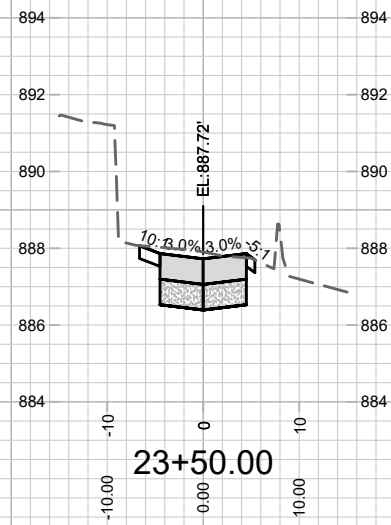
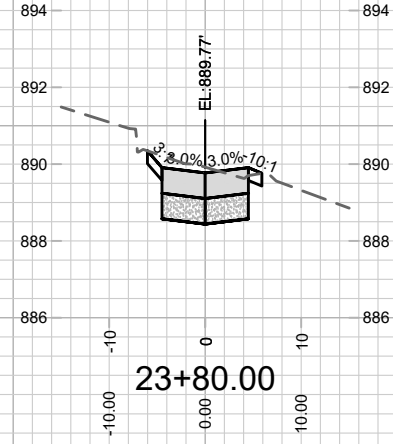
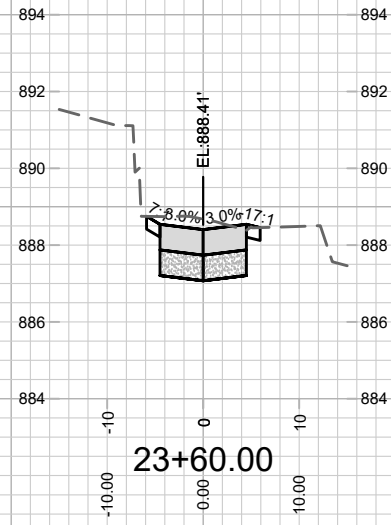


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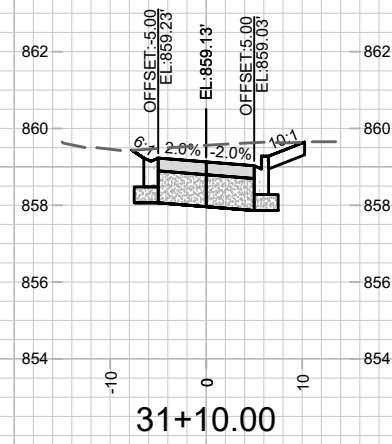
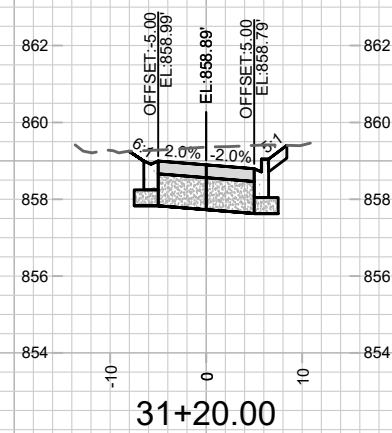
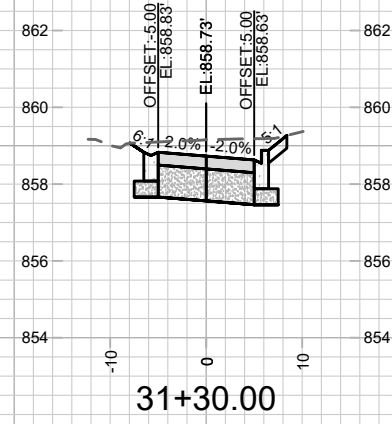
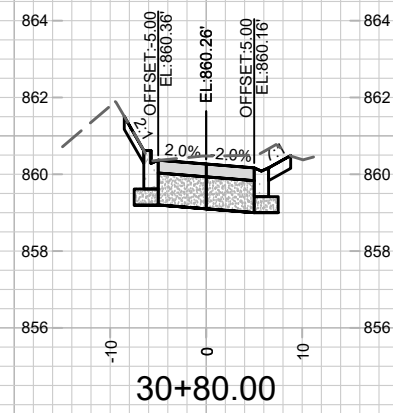
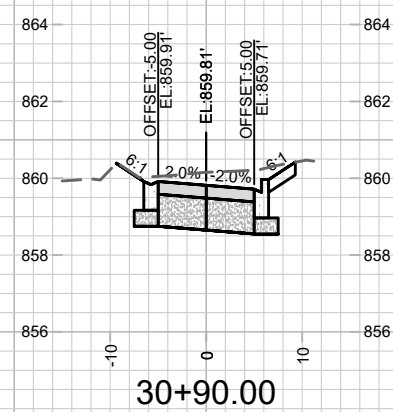
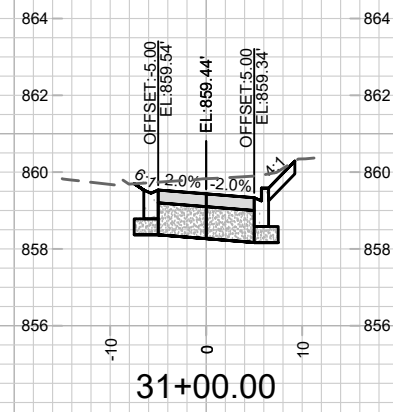
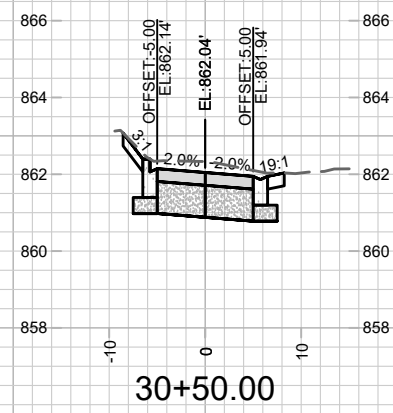
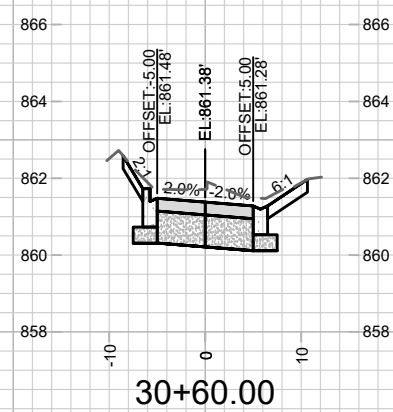
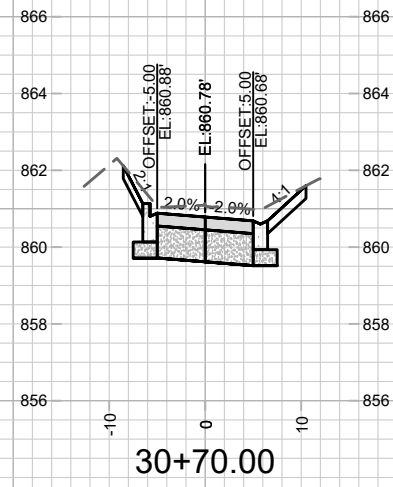
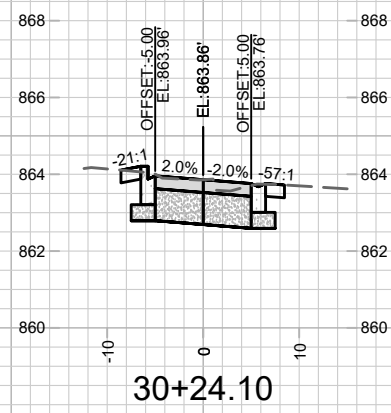
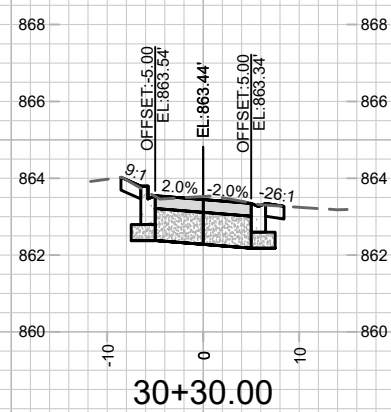
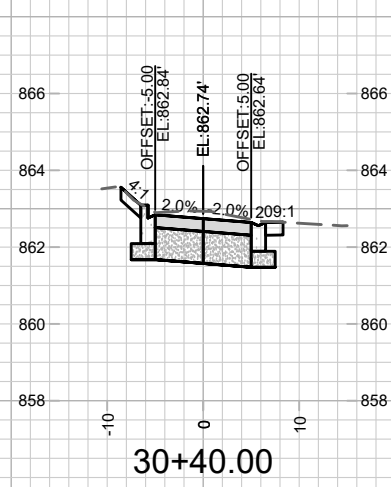




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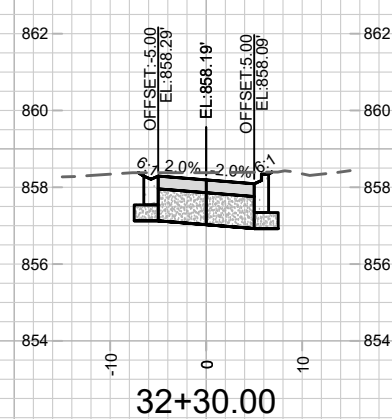
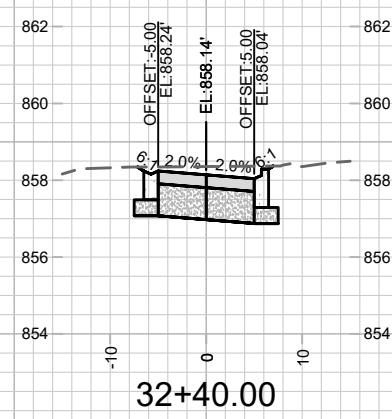
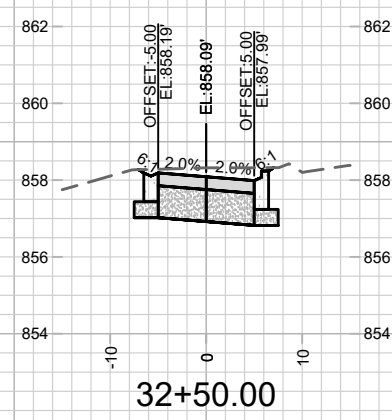
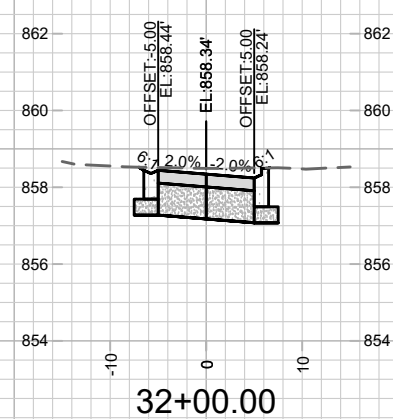
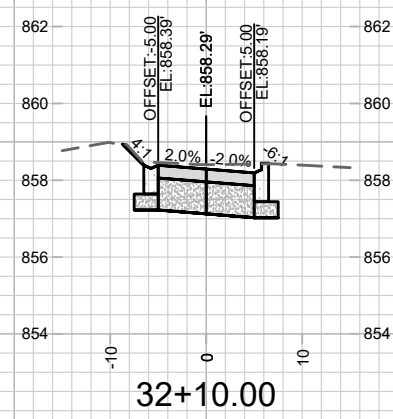
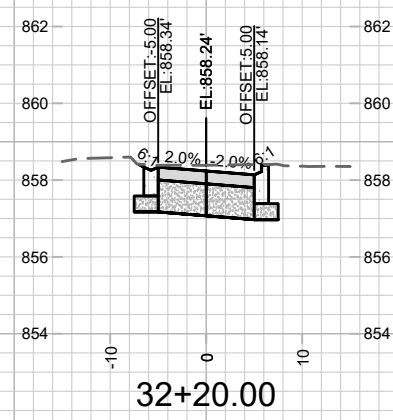
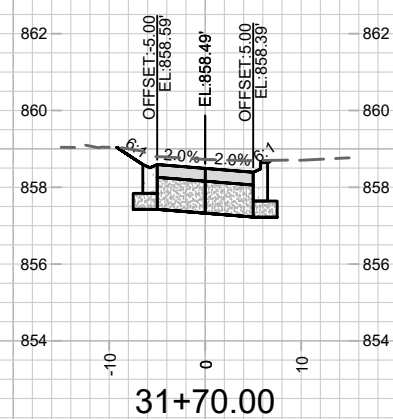
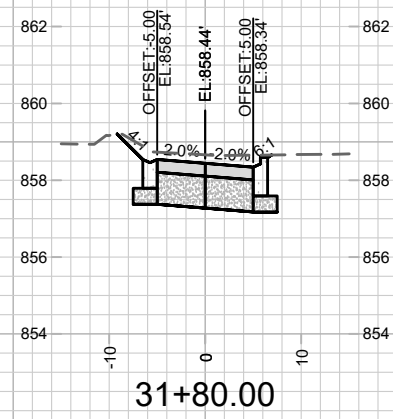
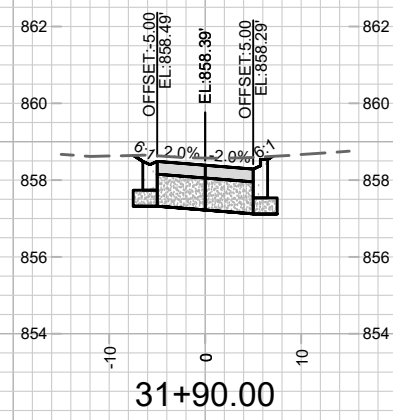
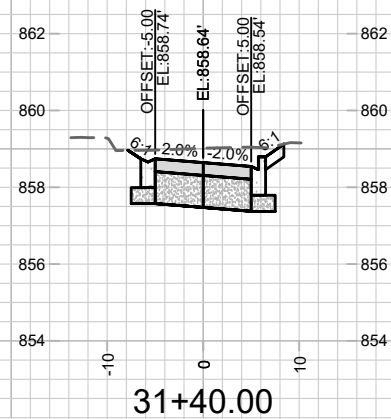
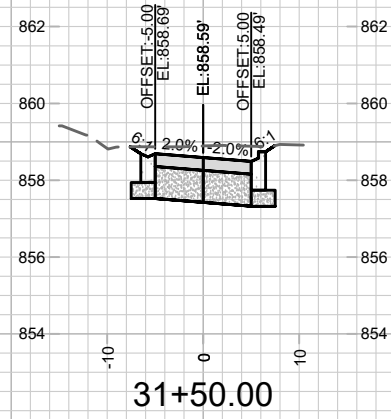
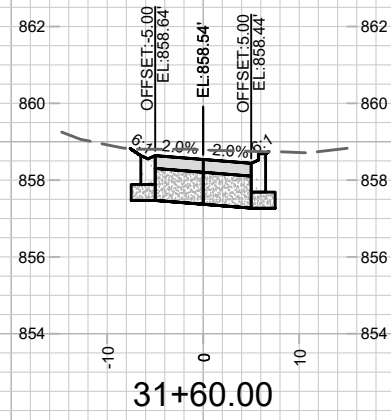


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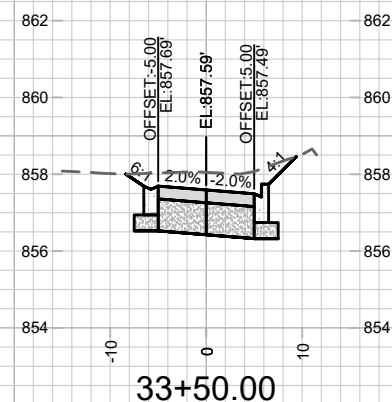
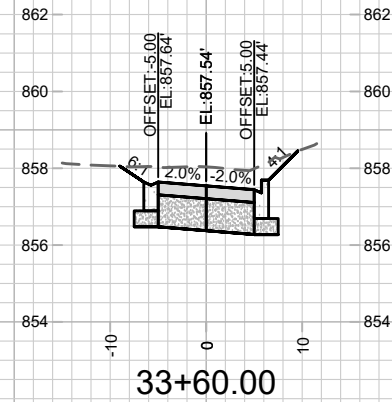
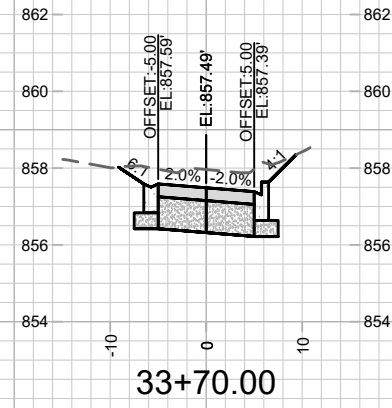
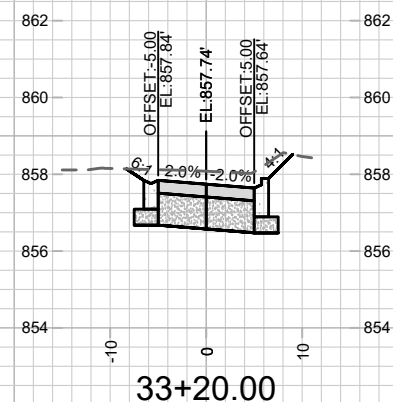
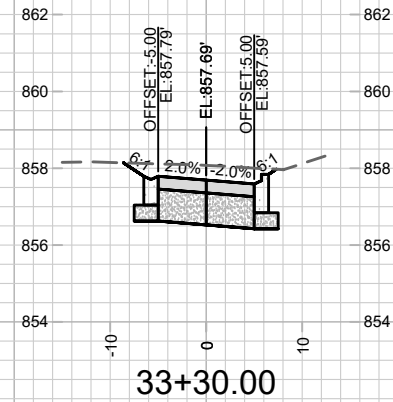
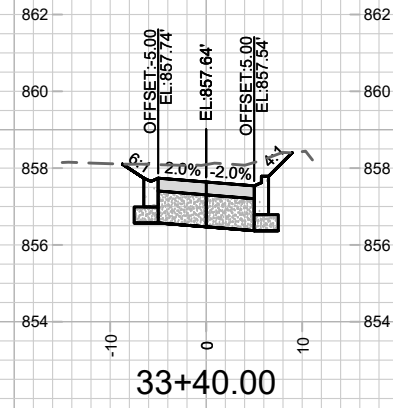
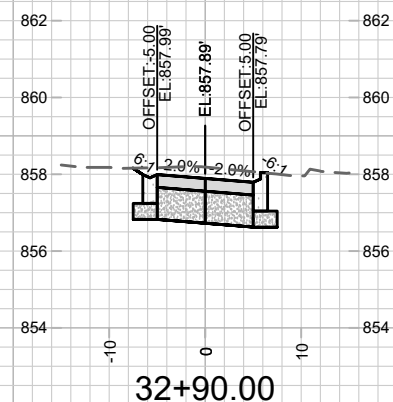
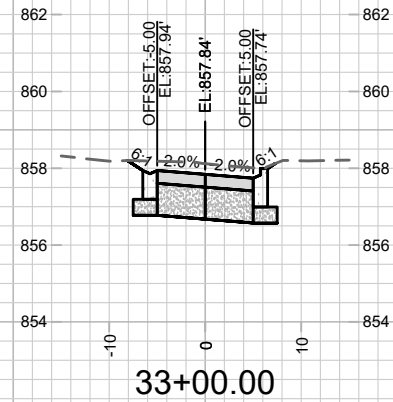
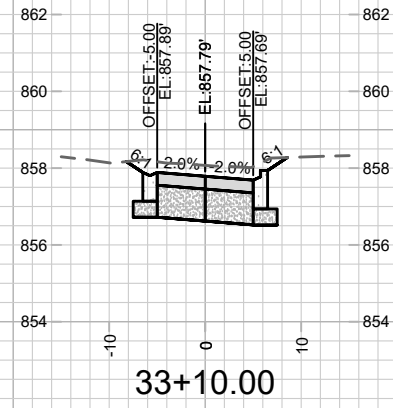
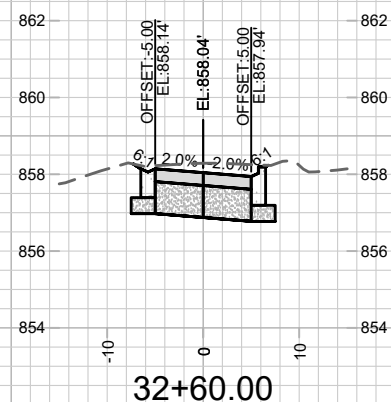
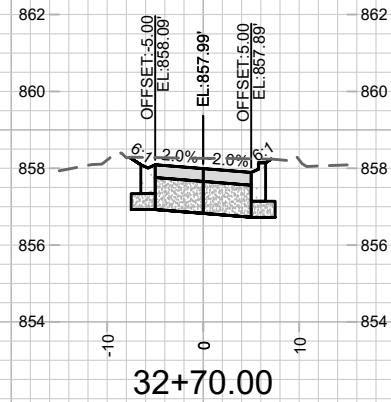
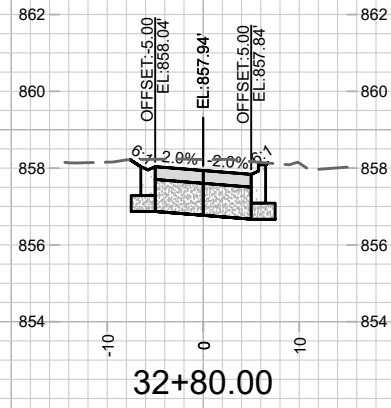
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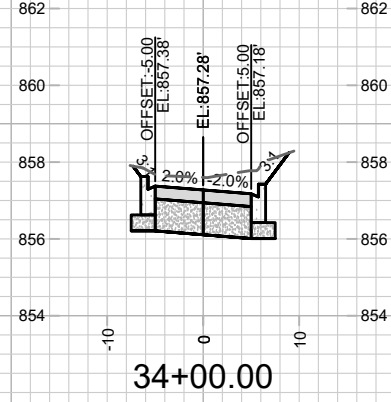


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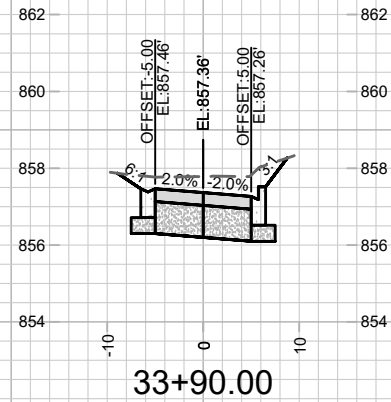
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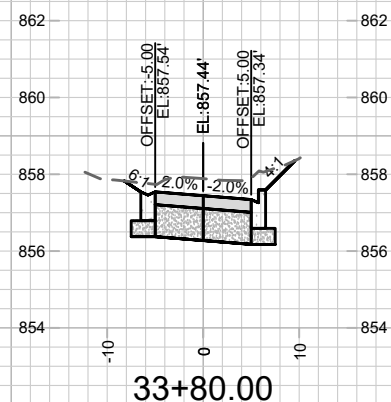




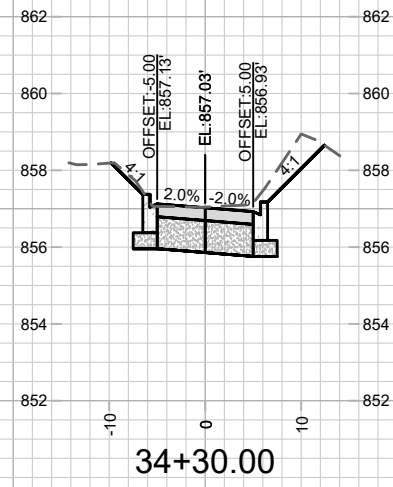
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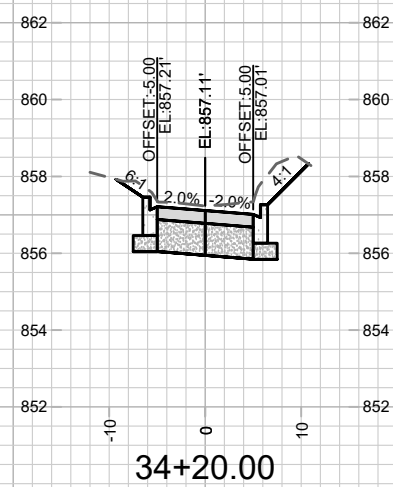
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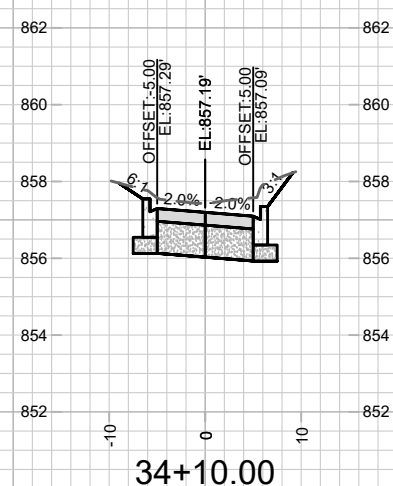
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34+20.00



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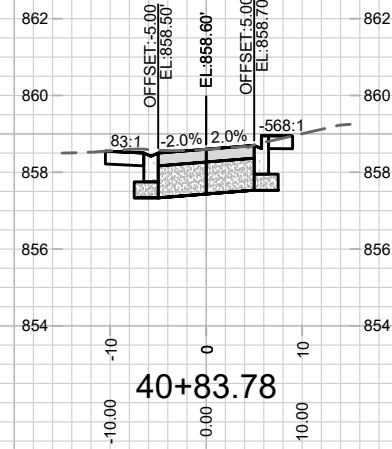
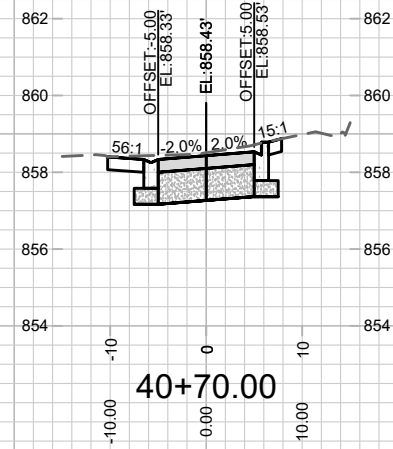
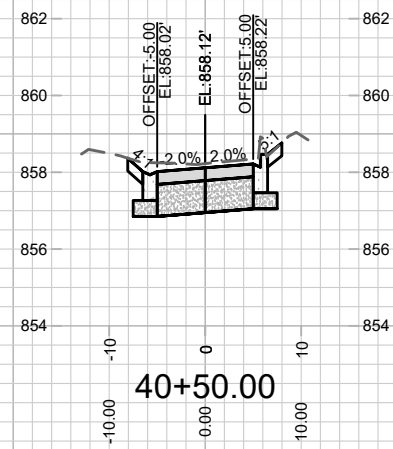
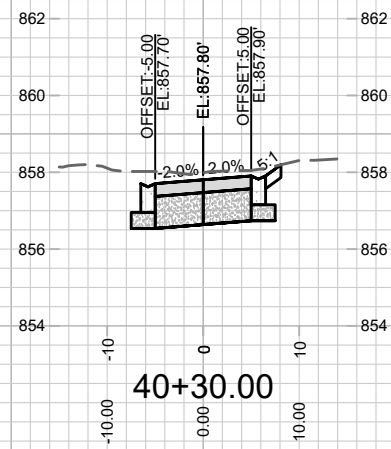
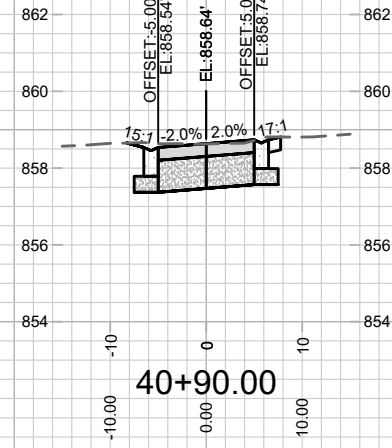
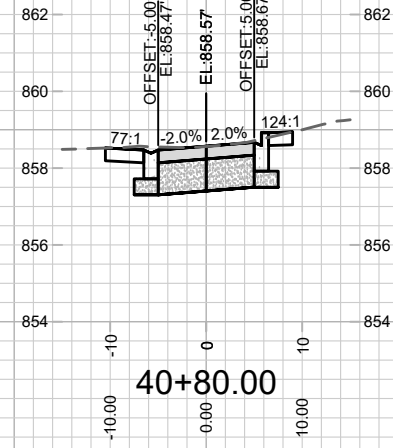
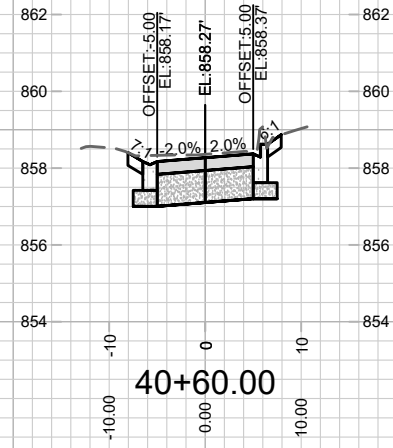
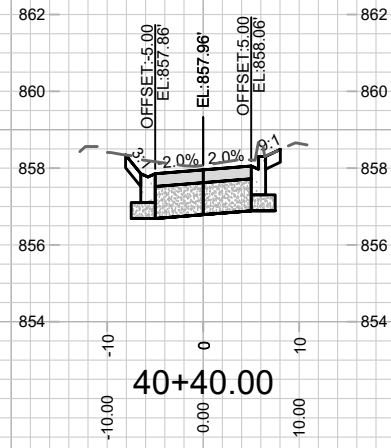
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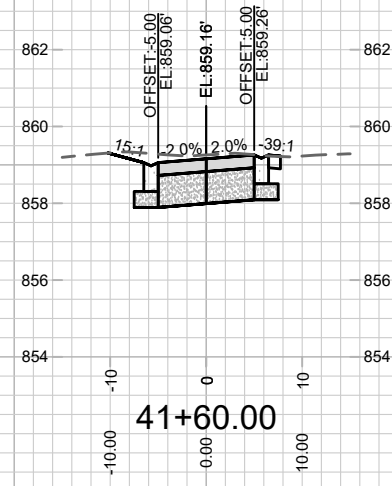
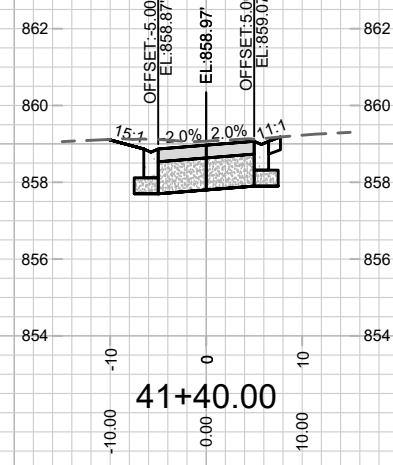
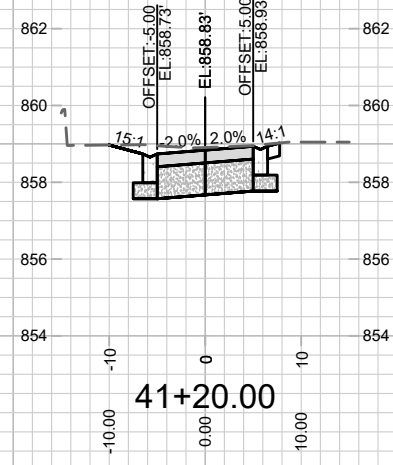
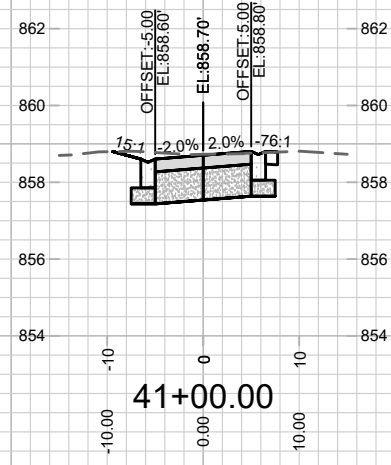
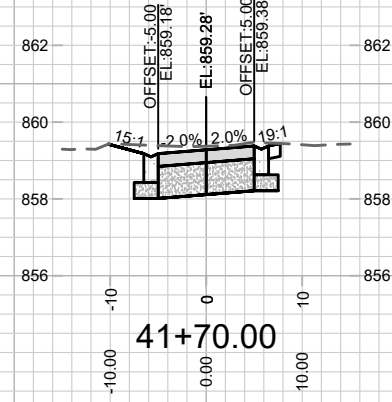
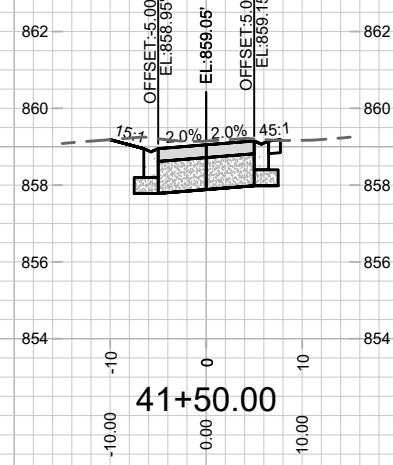
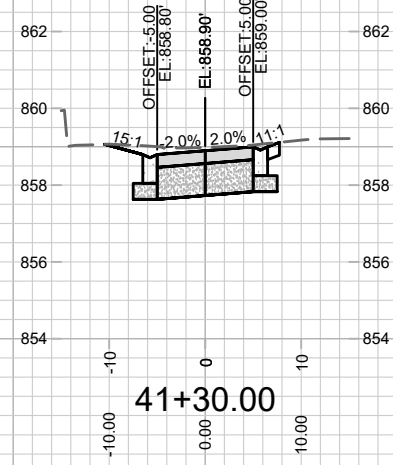
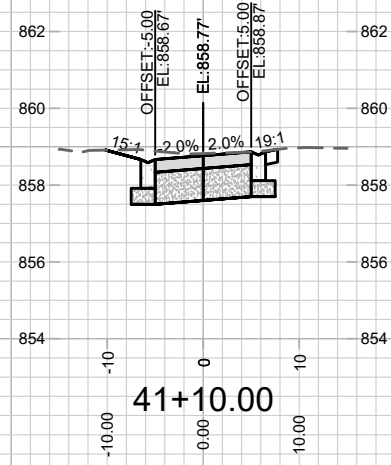
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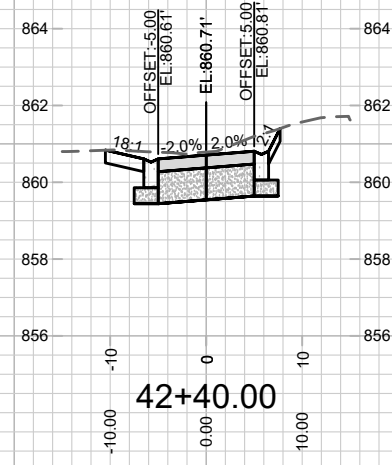
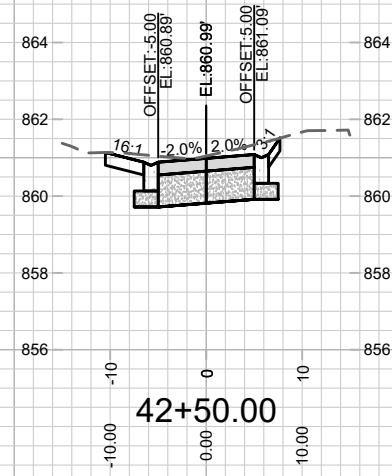
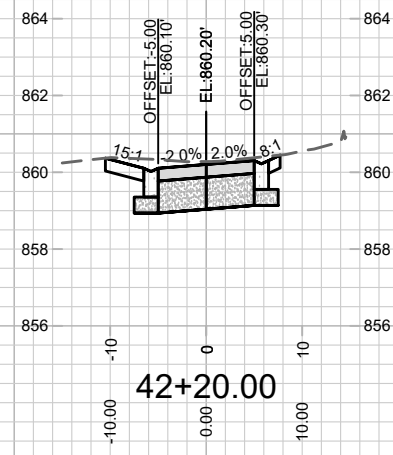
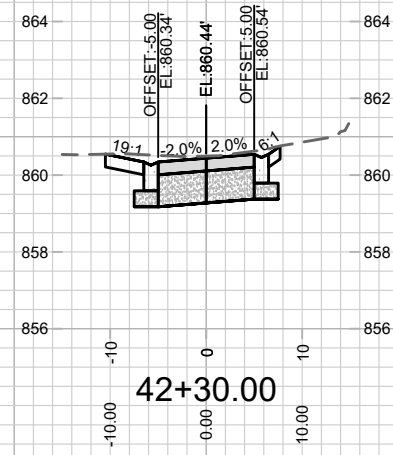
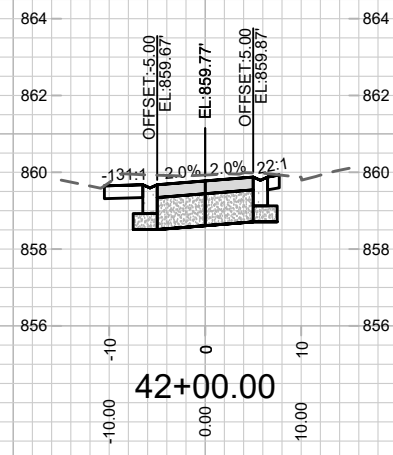
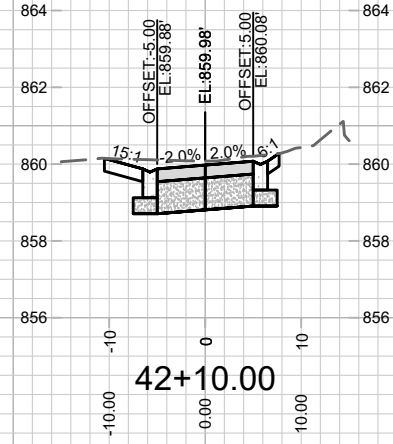
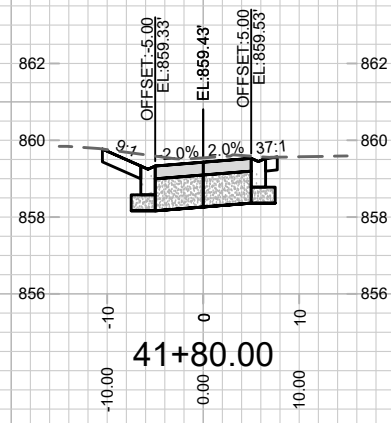
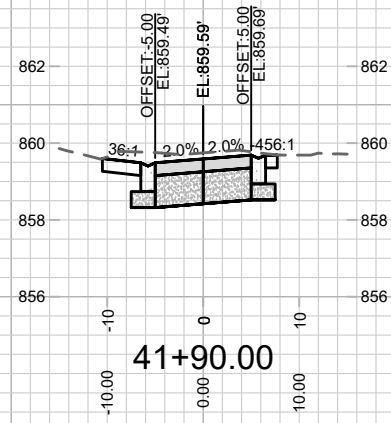


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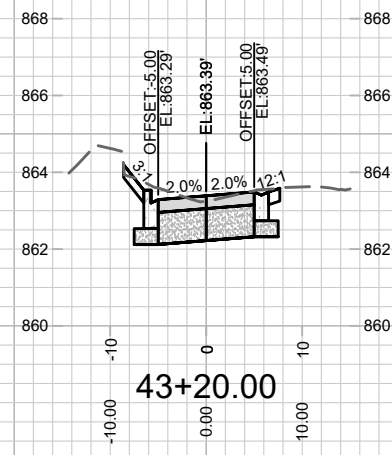
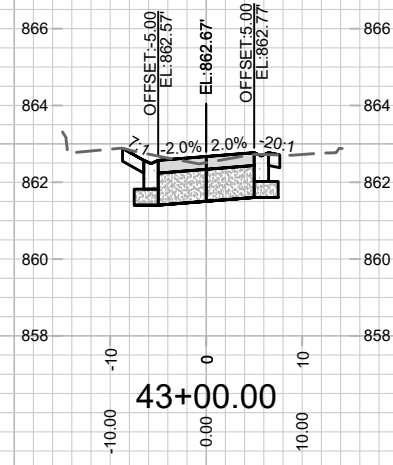
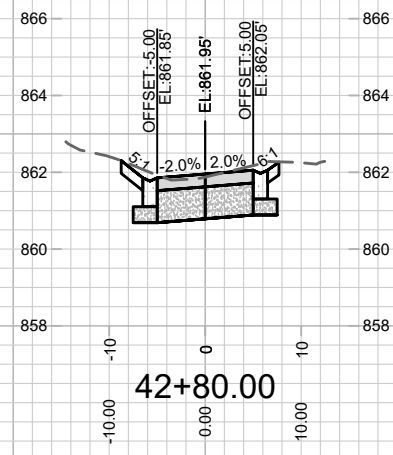
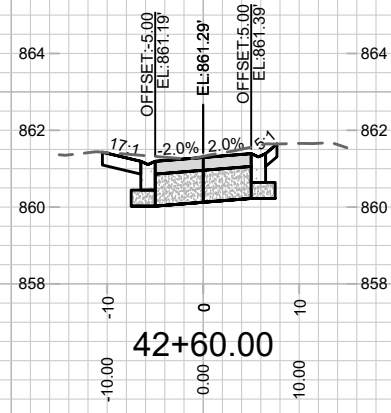
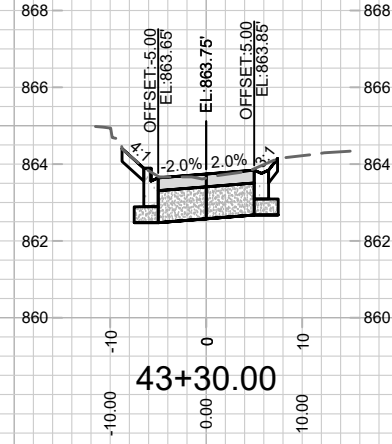
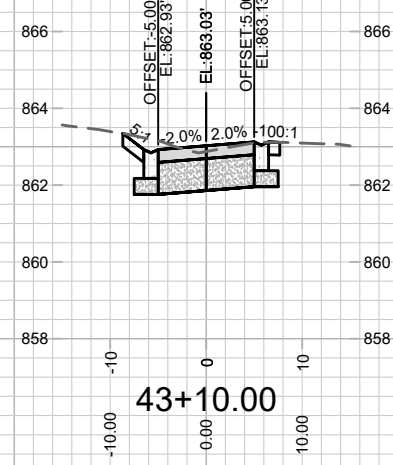
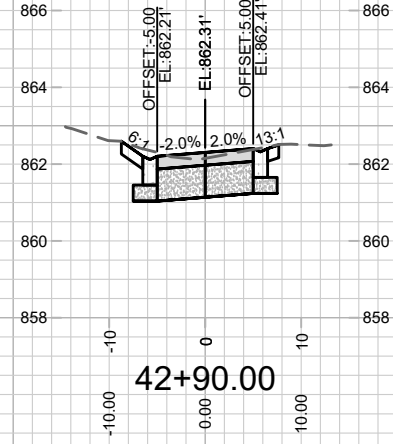
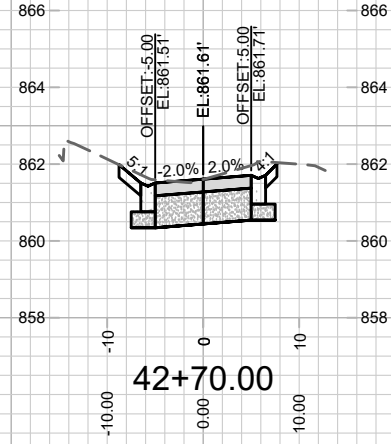
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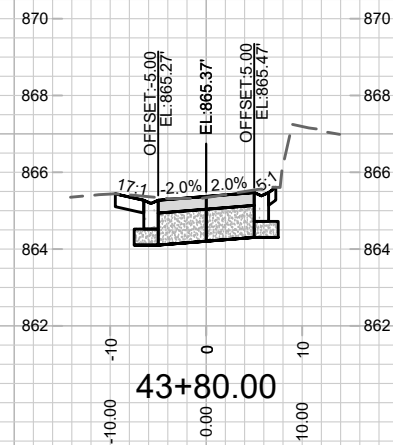
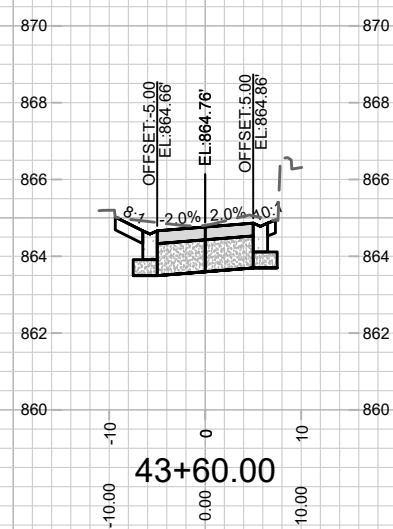
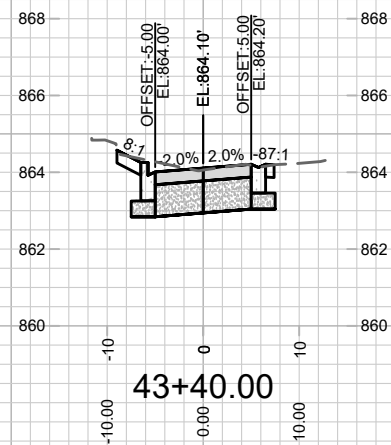
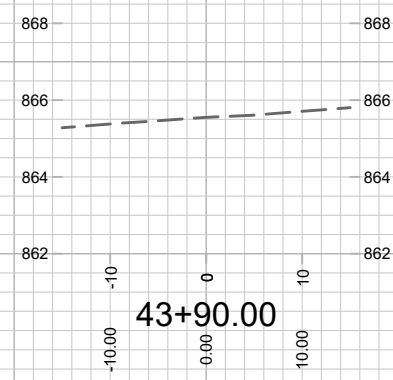
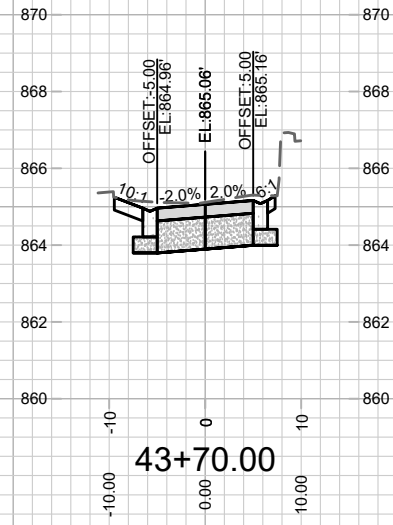
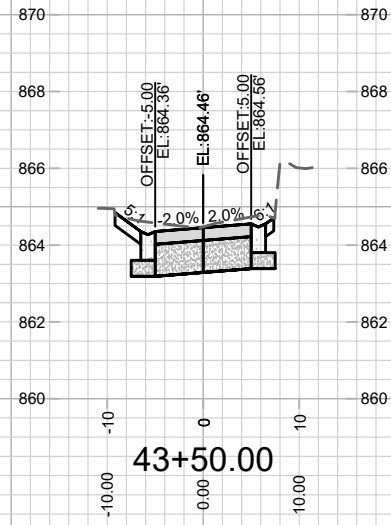


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