

MADISON, WISCONSIN

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DETAILS

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STRUCTURE

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DETAILS

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DETAILS

CITY OF MADISON
ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

OLIN WASTE TRANSFER DROP-OFF

CITY PROJECT NO. 14023
CONTRACT NO. 9318



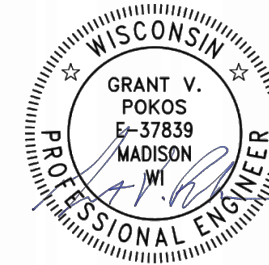
EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY:) = 16,184 C.Y

ESTIMATED UNDISTRIBUTED UNDERCUT = 0 C.Y. INCLUDED IN EX.
CUT, ASSUMED 100%

TOTAL UNCLASSIFIED EXCAVATION CUT = 16.184 C.Y.

STORM SEWER AND STORMWATER
MANAGEMENT DESIGNED BY:



Feb 14, 2025

FOR SHEETS: U1-U6

STRUCTURAL DESIGNED BY:



Justin P. Stuchlik 2/14/2025
FOR SHEETS: S-1, S-2, S-7, S-8

SANITARY SEWER DESIGNED BY:

NOT USED

FOR SHEETS:

BUILDING DESIGNED BY:

NOT USED

FOR SHEETS:

CIVIL DESIGNED BY:



Feb 14, 2025

FOR SHEETS: D-1, EC-1, G-1, P-1,
X1-X5

PUBLIC WORKS IMPROVEMENT
PROJECT

APPROVED BY THE COMMON COUNCIL
OF MADISON WISCONSIN

RESOLUTION: RES-25-00051

FILE ID: 86640

DATE: JAN. 28, 2025

PUBLIC WORKS IMPROVEMENT DESIGN

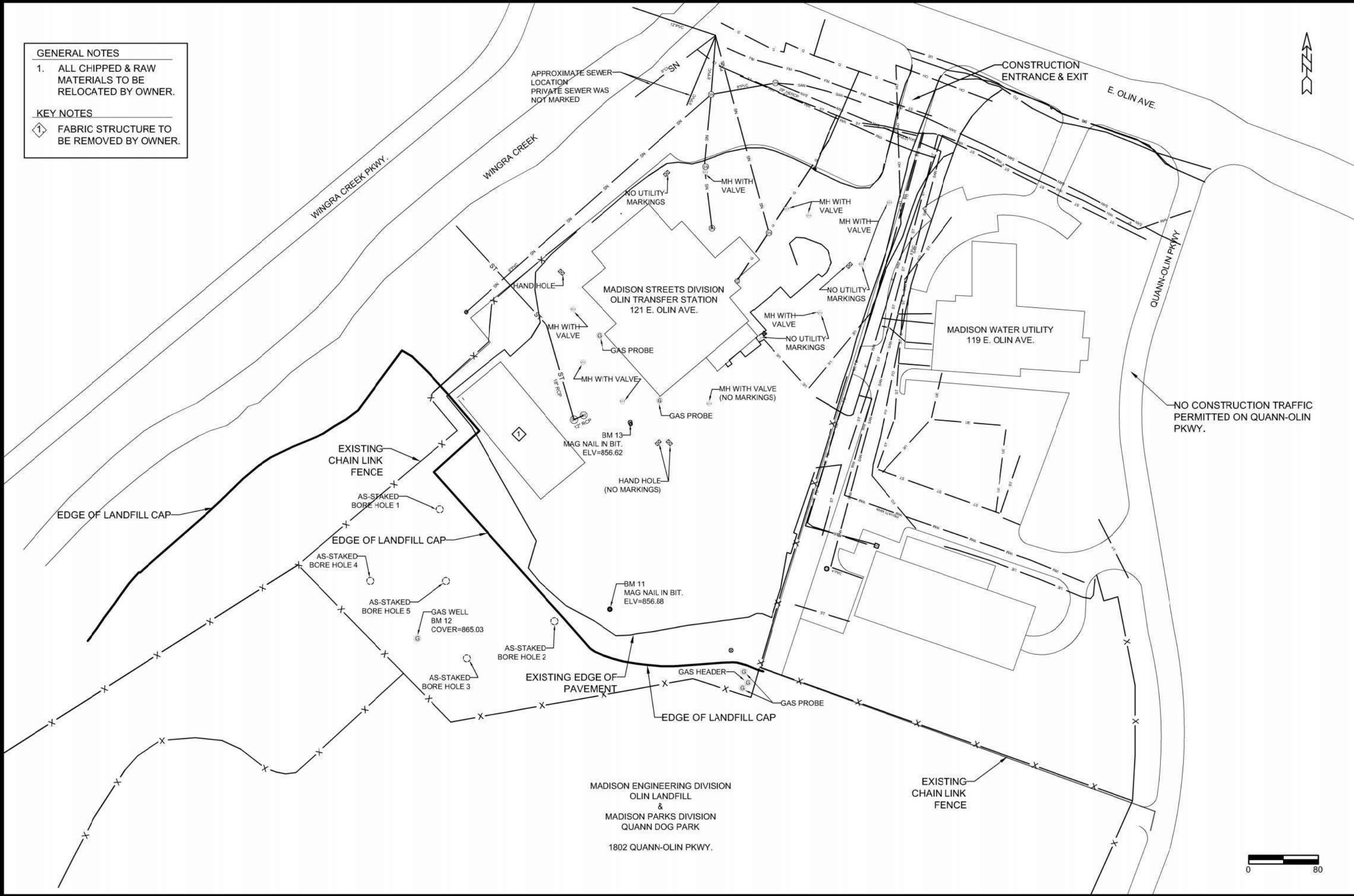
APPROVED BY

CITY ENGINEER

Feb 17, 2025

DATE

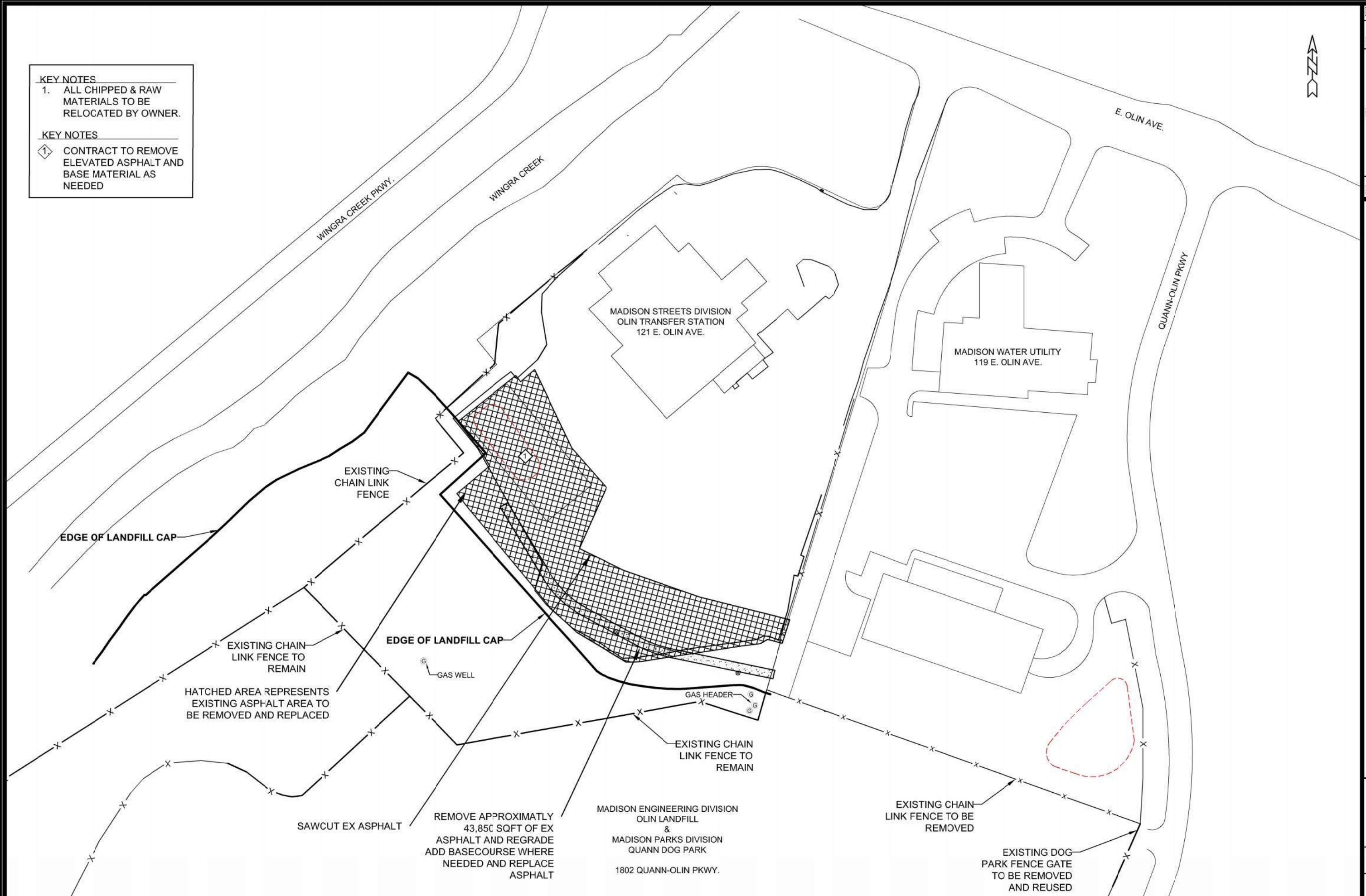
- GENERAL NOTES
1. ALL CHIPPED & RAW MATERIALS TO BE RELOCATED BY OWNER.
- KEY NOTES
1. FABRIC STRUCTURE TO BE REMOVED BY OWNER.



14023	119 & 121 E OLIN AVE.	9318
GENERAL SITE PLAN - EXISTING CONDITIONS		
OLIN WASTE TRANSFER DROP-OFF		
CONTRACT NO:		
14023		
GS-1		
DATE: 2/13/2025 2:33 PM		
REVISION: #####		
MARK: #####		
DESIGNED BY: #####		
SCALE: #####		
BY: #####		

1. ALL CHIPPED & RAW MATERIALS TO BE RELOCATED BY OWNER.

1 CONTRACT TO REMOVE
ELEVATED ASPHALT AND
BASE MATERIAL AS
NEEDED



14023
GS-2


CONTRACT NO: 9318

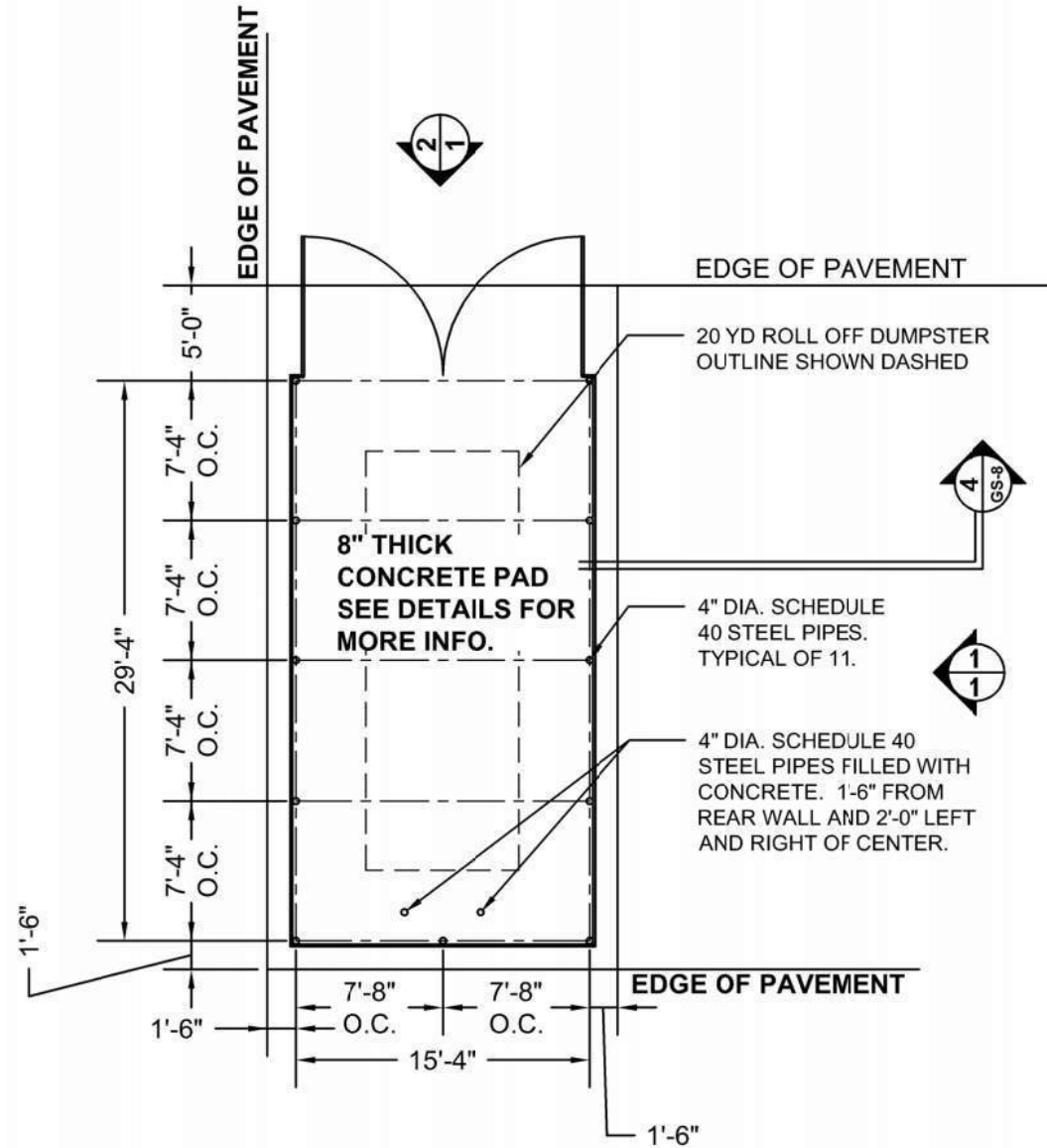


3
GS-4

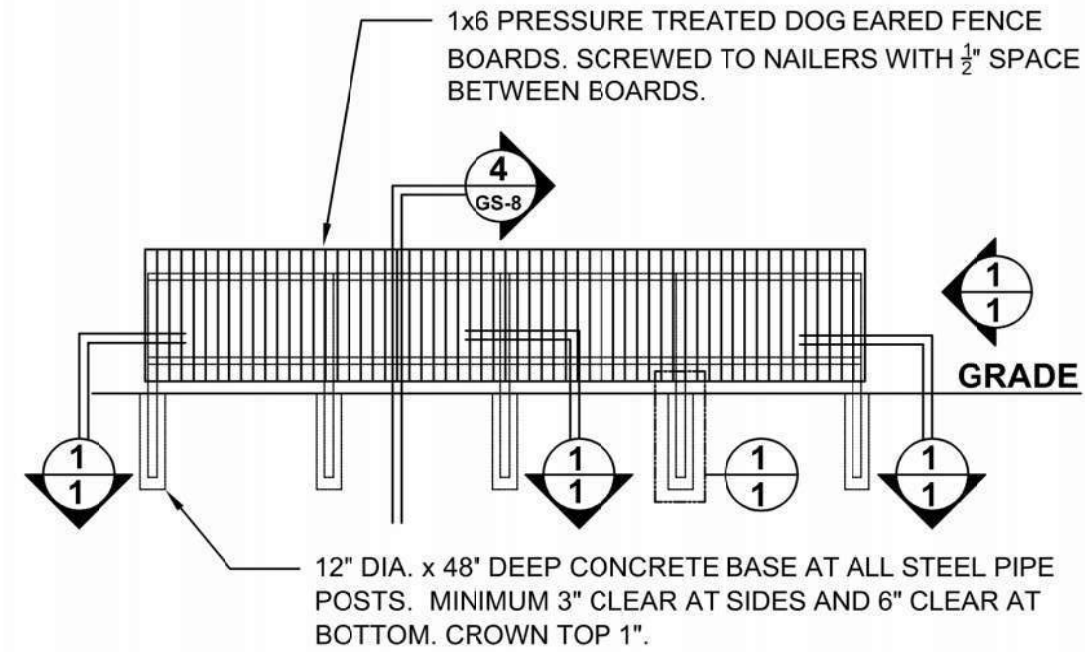
CONCRETE PAD & GUARD RAIL
FOR GAS WELL ELEVATION

NOT TO SCALE

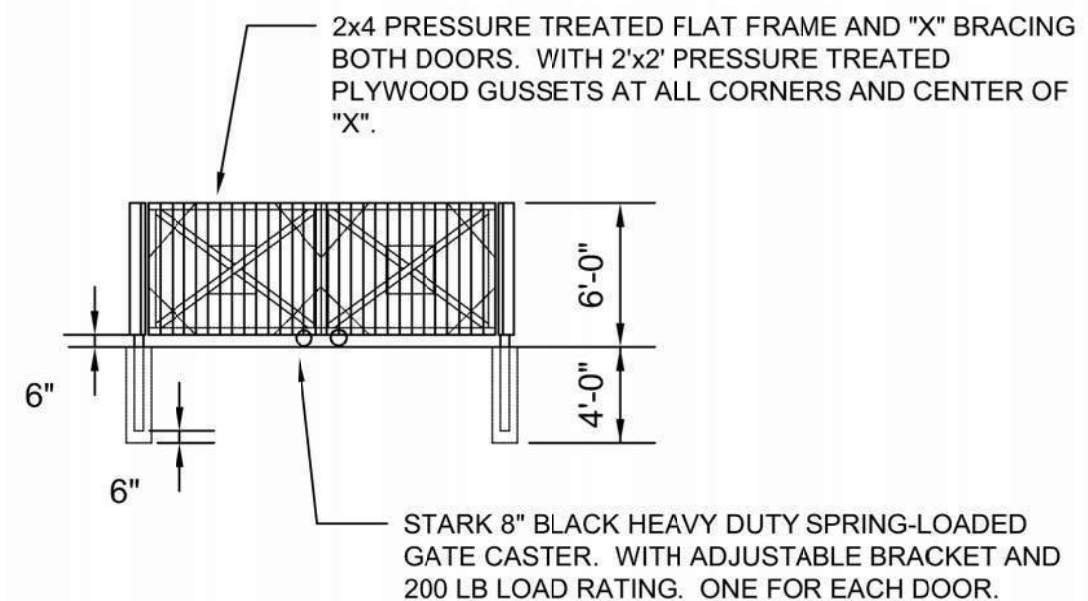
	14023	GS-4
FENCE DETAILS		
OLIN WASTE TRANSFER DROP-OFF		
119 & 121 E OLIN AVE.		
MARKS	REVISION	DATE
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####	#####	###
####	#####	###
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DESIGNED BY: DEING		Scales: #####
CONTRACT NO:		9318
####		####



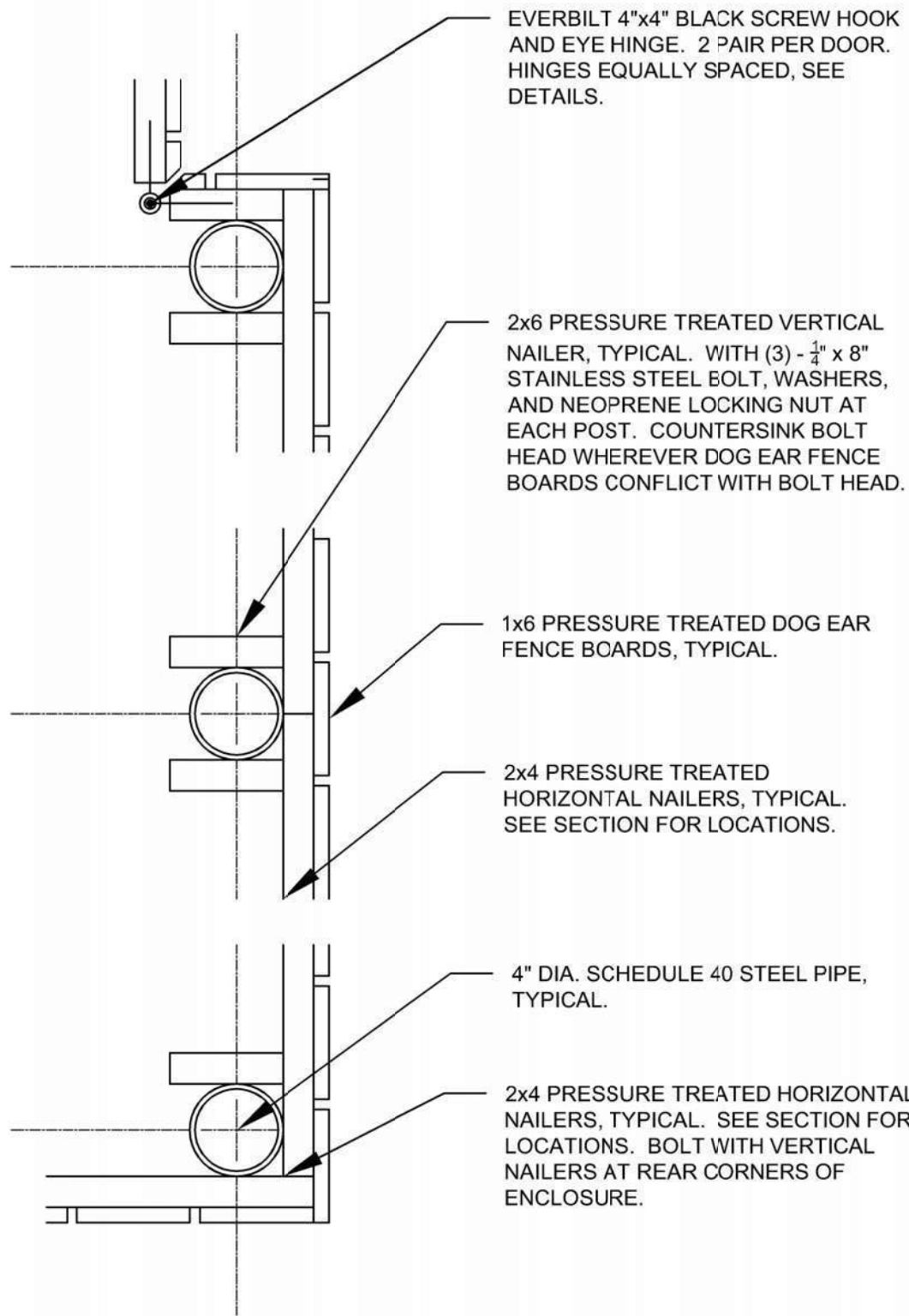
1 DUMPSTER ENCLOSURE PLAN VIEW
 GS-6 SCALE: 1/8" = 1'-0"



2 DUMPSTER ENCLOSURE SIDE ELEVATION
 GS-6 SCALE: 1/8" = 1'-0"



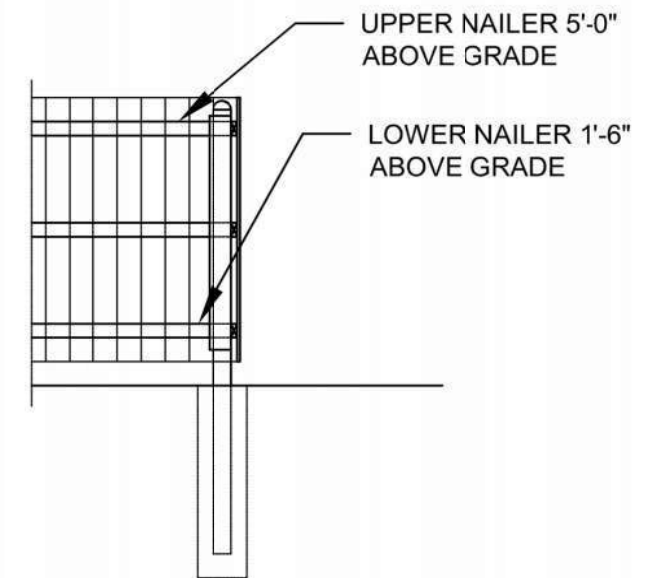
3 DUMPSTER ENCLOSURE FRONT ELEVATION
 GS-6 SCALE: 1/8" = 1'-0"



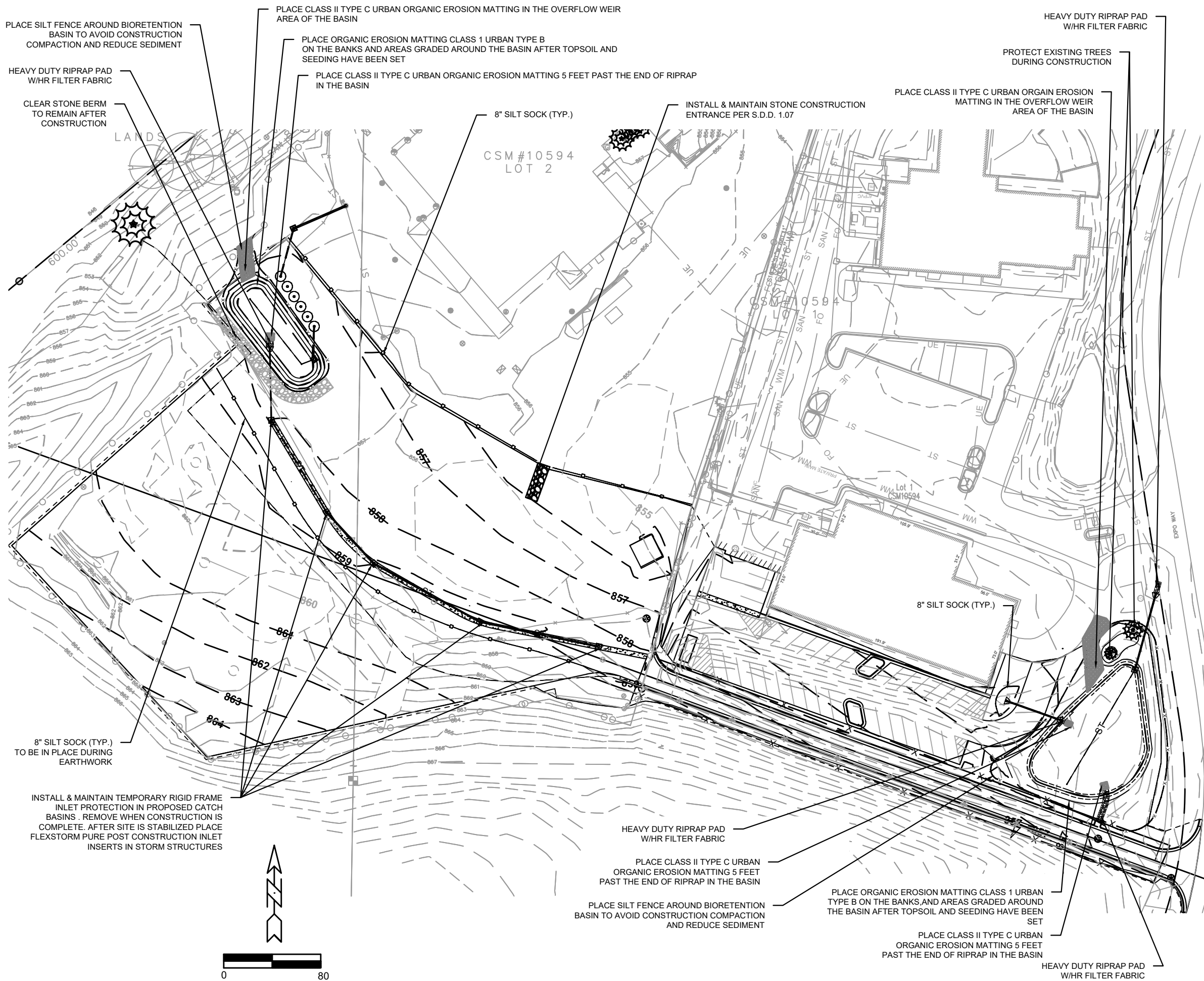
1 GATE CORNER DETAIL
 GS-7 SCALE: 1-1/2" = 1'-0"

2 CENTER POST DETAIL
 GS-7 SCALE: 1-1/2" = 1'-0"

3 REAR CORNER DETAIL
 GS-7 SCALE: 1-1/2" = 1'-0"

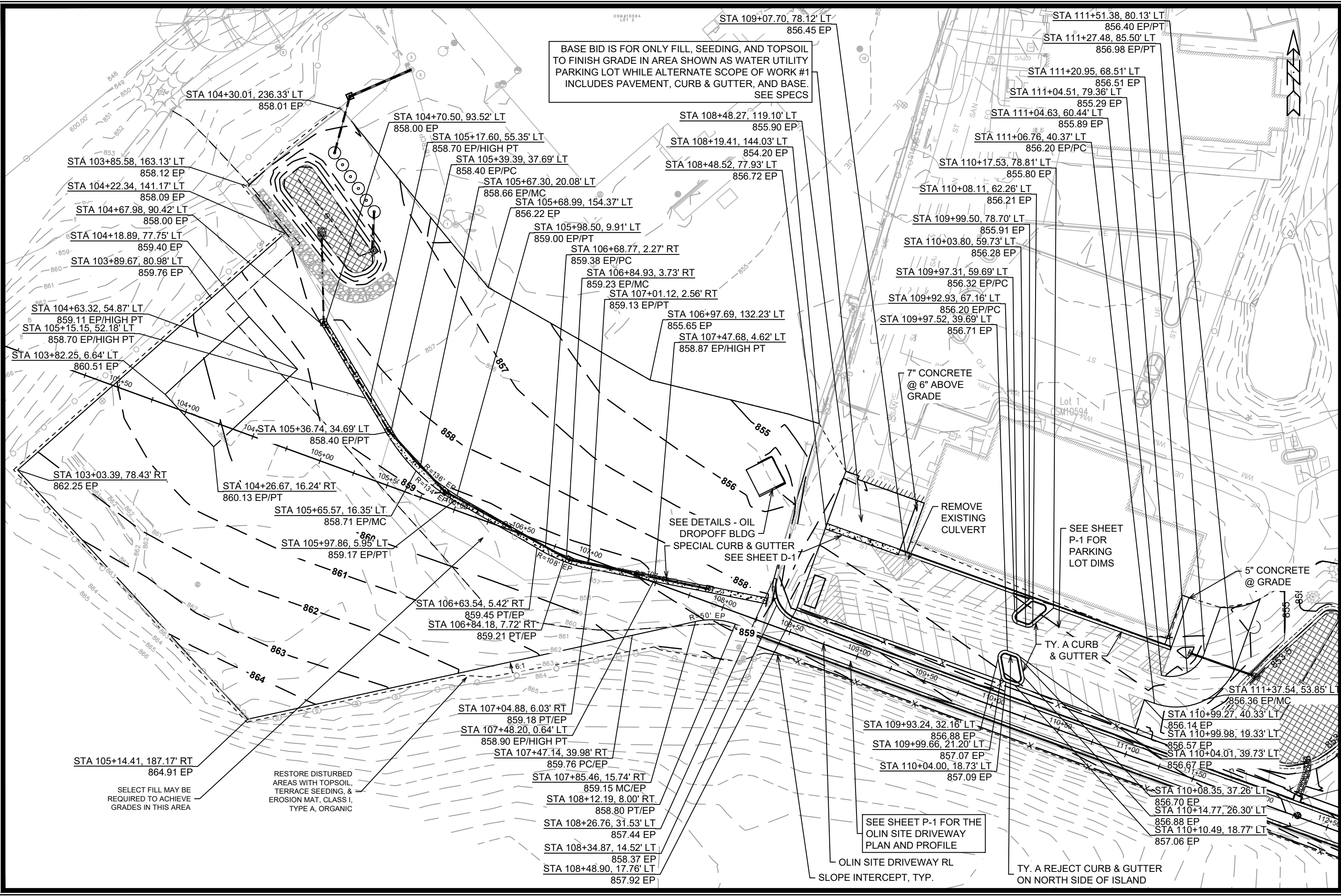


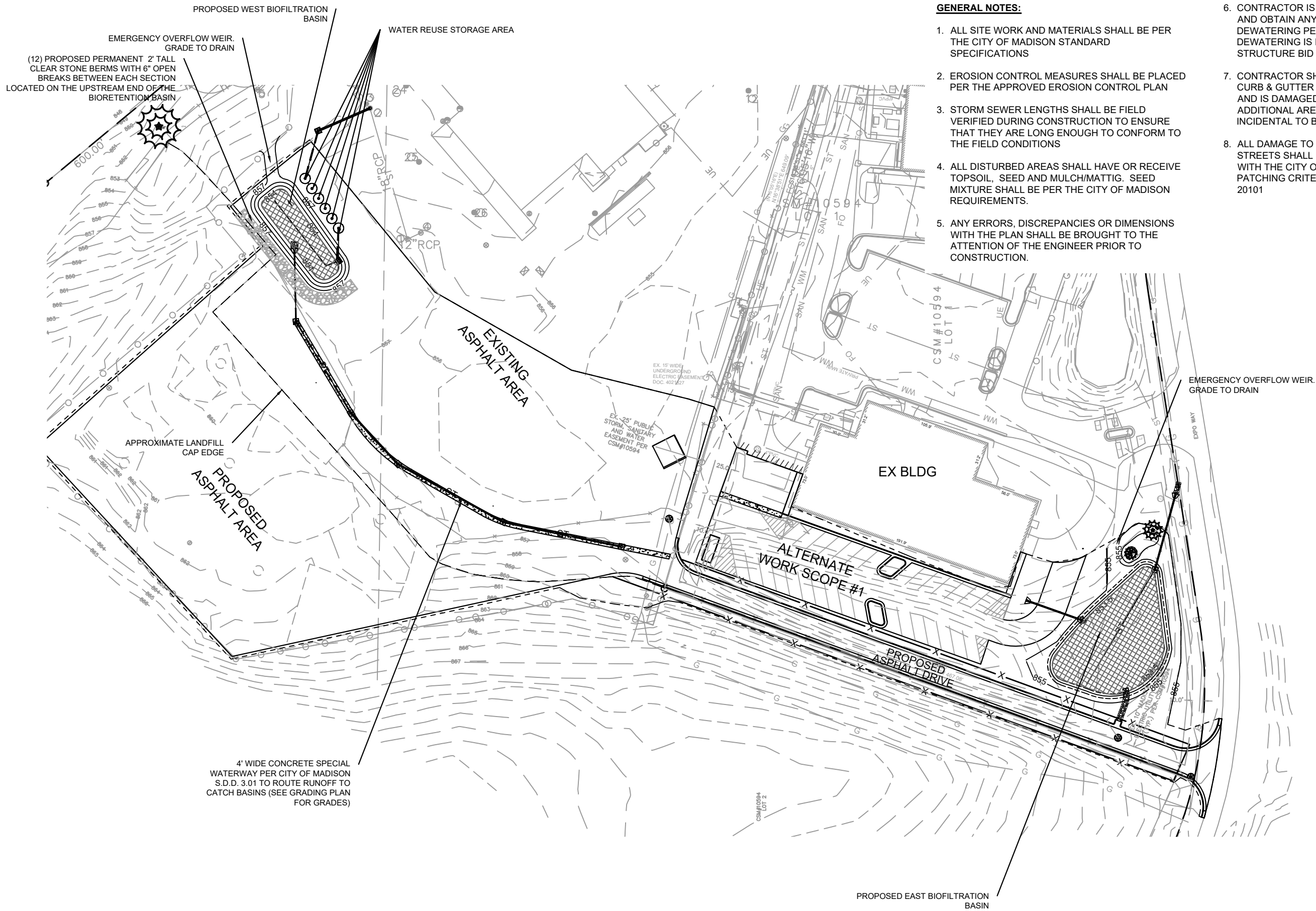
4 SECTION
 GS-7 SCALE: 1/4" = 1'-0"



- EROSION CONTROL NOTES:**
1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
 2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR SHALL PLACE SILT SOCK OR SILT FENCE AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
 3. EROSION CONTROL MEASURES INDICATED ON THE PLANS SHALL BE CONSIDERED MINIMUMS. IF DETERMINED NECESSARY DURING CONSTRUCTION ADDITIONAL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
 4. INSPECT EROSION CONTROL MEASURES EVERY WEEK AND AFTER EACH $\frac{1}{4}$ " OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING CONSTRUCTION.
 5. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL PRACTICES WHEN THE SITE IS RESTORED.
 6. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON
 7. NO SITE GRADING OUTSIDE OF THE LIMITS OF DISTURBANCE
 8. INSTALL INLET PROTECTION IN ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS
 9. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1
 10. ALL DISTURBED AREAS SHALL BE STABILIZED WITH CLASS I, TYPE A ORGANIC EROSION MATTING.
 11. ALL INCIDENTAL MUD TRACKING OFF-SITE ONTO ADJACENT PUBLIC RIGHT-OF WAY (ROW) SHALL BE SWEEP OR SCRAPPED WHEN VISIBLE THROUGH OUT THE WORKDAY. ALL SEDIMENT AND DEBRIS MUST BE REMOVED FROM THE ROW (STREET & GUTTERS) BY THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS
 12. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
 13. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
 14. CONTOURS REPRESENT FINISH GRADE.
 15. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL, SEED AND MULCH/MATting. SEED MIXTURE SHALL BE PER THE CITY OF MADISON REQUIREMENTS.
 16. BACKSLOPES AND GRADING LIMITS CAN BE FIELD ADJUSTED TO PROTECT EXISTING TREES AND ROOTS
 17. DEWATERING, IF REQUIRED, SHALL BE CONDUCTED PER WDNR STORM WATER MANAGEMENT TECHNICAL STANDARD 1061. DISCHARGE FROM DEWATERING MUST BE FREE OF SEDIMENT AND OUTLET TO STABILIZED AREA PRIOR TO OFFSITE RELEASE. DESIGN AND ANY APPLICABLE GROUNDWATER/SITE DEWATERING PERMITS REQUIRED ARE THE CONTRACTORS RESPONSIBILITY. TYPE 1 DEWATERING IS INCIDENTAL TO STORM SEWER STRUCTURE CONSTRUCTION.

14023	MADISON, WI	9318	CONTRACT NO:
EROSION CONTROL PLAN			
OLIN WASTE TRANSFER DROP-OFF			
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CITY OF MADISON WISCONSIN			
14023			
EC-1			

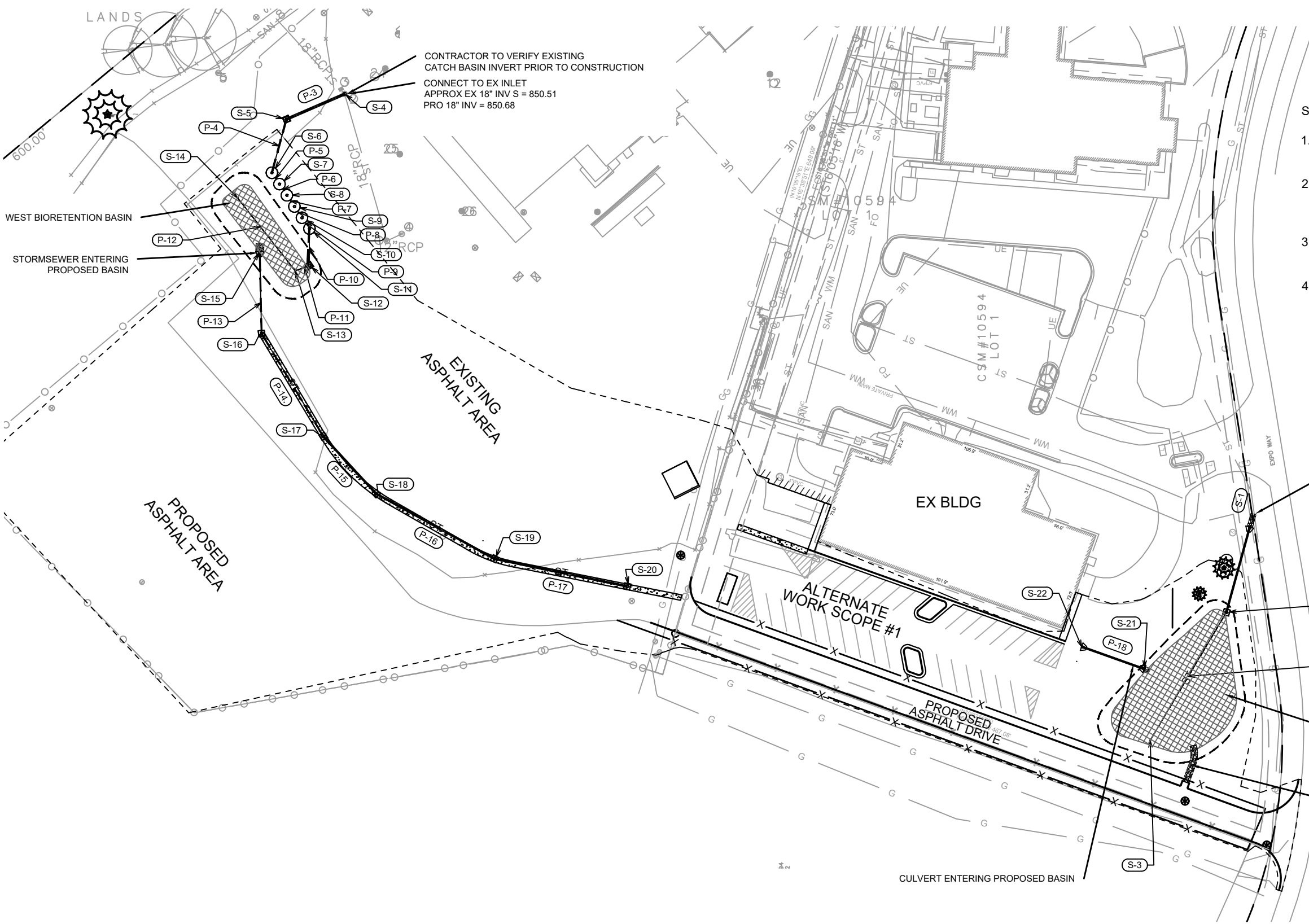




GENERAL NOTES:

1. ALL SITE WORK AND MATERIALS SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. EROSION CONTROL MEASURES SHALL BE PLACED PER THE APPROVED EROSION CONTROL PLAN
3. STORM SEWER LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION TO ENSURE THAT THEY ARE LONG ENOUGH TO CONFORM TO THE FIELD CONDITIONS
4. ALL DISTURBED AREAS SHALL HAVE OR RECEIVE TOPSOIL, SEED AND MULCH/MATTIG. SEED MIXTURE SHALL BE PER THE CITY OF MADISON REQUIREMENTS.
5. ANY ERRORS, DISCREPANCIES OR DIMENSIONS WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE TO ANTICIPATE AND OBTAIN ANY AND ALL GROUNDWATER/SITE DEWATERING PERMITS REQUIRED. TYPE 1 DEWATERING IS INCIDENTAL TO STORMSEWER STRUCTURE BID ITEM.
7. CONTRACTOR SHALL REPLACE ALL SIDEWALK AND CURB & GUTTER WHICH ABUTS THE PROPERTY AND IS DAMAGED BY CONSTRUCTION. ANY ADDITIONAL AREAS NOT CALLED OUT ON PLAN INCIDENTAL TO BID ITEM 20101
8. ALL DAMAGE TO PAVEMENT OF ADJACENT PUBLIC STREETS SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA. INCIDENTAL TO BID ITEM 20101



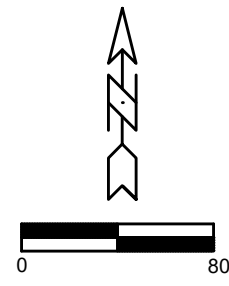


- SITE UTILITY NOTES
1. ALL CONSTRUCTION & MATERIALS SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
 2. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. PROTECTION OF EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY.
 3. CONTRACTOR TO VERIFY LOCATION DEPTH & SIZE OF EXISTING STORM SEWER PRIOR TO CONSTRUCTION.
 4. EXISTING STORMSEWER INVERT ELEVATIONS & LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE AND FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.

CONTRACTOR VERIFY EXISTING UTILITY LOCATIONS AND THAT THE PROPOSED STORMSEWER OUTLET DRAINS AND CAN BE ROUTED AROUND ANY EXISTING UTILITY PRIOR TO CONSTRUCTION

EAST BIORETENTION BASIN
FLUME ENTERING PROPOSED BASIN

CULVERT ENTERING PROPOSED BASIN



STORMSEWER PLAN OLIN WASTE TRANSFER DROP-OFF	14023	14023	U-2
	MADISON, WI		
	CONTRACT NO: 9318		
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14023
U-2

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	LOCATION (NORTHING)	LOCATION (EASTING)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	474149.64	821870.81	12" RCP APRON ENDWALL	-	851.50	-	W/GATE
S-2	474086.77	821853.51	4X4 SAS	854.50	852.00	2.50	W/R-2561 & BEEHIVE GRATE
S-3	473992.23	821797.29	PIPE END	-	852.00	-	
S-4	474469.33	821202.67	CONNECT TO EX STRUCTURE	-	850.68	-	(1)
S-5	474450.65	821159.67	4X4 SAS	858.00	851.41	6.59	W/R-1550 FRAME & R2464 OPEN GRATE
S-6	474411.16	821148.91	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-7	474402.79	821154.49	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-8	474394.52	821160.01	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-9	474386.23	821185.55	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-10	474377.91	821171.10	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-11	474369.90	821176.62	96" DIA PRECAST STORM SAS	857.50	845.00	12.50	W/R-1550 FRAME & 1550-0054 SOLID LID (2)
S-12	474342.70	821176.58	4X4 SAS	855.00	852.00	3.00	W/R-2561 & BEEHIVE GRATE
S-13	474338.78	821166.19	90 DEG BEND	-	852.00	-	(4)
S-14	474392.44	821123.76	PIPE END	-	852.00	-	
S-15	474352.85	821140.01	21" DIA APRON ENDWALL	-	854.00	-	W/GATE
S-16	474292.51	821141.33	4X4 SAS	857.90	854.40	3.50	W/R-1550 FRAME & R2464 OPEN GRATE (5)
S-17	474216.57	821186.90	4X4 SAS	858.30	854.84	3.46	W/R-1550 FRAME & R2464 OPEN GRATE (5)
S-18	474174.35	821225.80	4X4 SAS	858.92	855.13	3.79	W/R-1550 FRAME & R2464 OPEN GRATE (5)
S-19	474126.23	821313.30	4X4 SAS	859.10	855.63	3.47	W/R-1550 FRAME & R2464 OPEN GRATE (5)
S-20	474105.82	821411.19	4X4 SAS	858.45	856.13	2.32	FP, W/R-1689 4" FRAME & R2464 OPEN GRATE (5)
S-21	474044.82	821793.01	15" RCP APRON ENDWALL	-	854.00	-	
S-22	474061.38	821746.63	15" RCP APRON ENDWALL	-	854.50	-	

SPECIFIC NOTES:

- (1) STORMSEWER TAP TO EXISTING INLET
(2) DEPTH INCLUDES 7" SUMP IN SAS
(3) SEE S.D.D. 5.7.47 FOR UNDERDRAIN DESIGN
(4) S-13 90 DEG BEND PAID AS INCIDENTAL TO P-11
(5) Flexstorm Pure Post Construction Inlet Insert Added After Construction

STANDARD NOTES:

- 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.
- 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.

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
P-1	S-1	S-2	851.50	852.00	65	63	0.77%	12 IN RCP	TYPE 1	
P-2	S-2	S-3	852.00	852.00	110	108	0.00%	DRILLED 8 IN P.V.C UNDERDRAIN	TYPE III	(3)
P-3	S-4	S-5	850.68	851.41	47	45	1.56%	18 IN RCP	TYPE 1	
P-4	S-5	S-6	851.41	851.95	41	34	1.32%	18 IN RCP	TYPE 1	
P-5	S-6	S-7	845.00	845.00	10	2	0.00%	18 IN RCP	TYPE 1	
P-6	S-7	S-8	845.00	845.00	10	2	0.00%	18 IN RCP	TYPE 1	
P-7	S-8	S-9	845.00	845.00	10	2	0.00%	18 IN RCP	TYPE 1	
P-8	S-9	S-10	845.00	845.00	10	2	0.00%	18 IN RCP	TYPE 1	
P-9	S-10	S-11	845.00	845.00	10	2	0.00%	18 IN RCP	TYPE 1	
P-10	S-11	S-12	851.80	852.00	27	21	0.74%	18 IN RCP	TYPE 1	
P-11	S-12	S-13	852.00	852.00	11	9	0.00%	DRILLED 8 IN P.V.C UNDERDRAIN	TYPE III	(3)(4)
P-12	S-13	S-14	852.00	852.00	68	68	0.00%	DRILLED 8 IN P.V.C UNDERDRAIN	TYPE III	(3)
P-13	S-15	S-16	854.00	854.40	60	58	0.66%	21 IN RCP	TYPE 1	
P-14	S-16	S-17	854.40	854.84	89	84	0.50%	21 IN RCP	TYPE 1	
P-15	S-17	S-18	854.84	855.13	57	53	0.51%	18 IN RCP	TYPE 1	
P-16	S-18	S-19	855.13	855.63	100	96	0.50%	15 IN RCP	TYPE 1	
P-17	S-19	S-20	855.63	856.13	100	96	0.50%	12 IN RCP	TYPE 1	
P-18	S-21	S-22	854.00	854.5	49	49	1.02%	15 IN RCP	TYPE 1	

- 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 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 GRANT POKOS OF CITY ENGINEERING AT GPOKOS@CITYOFMADISON.COM FOR PRECAST APPROVALS AND TO SEND SHOP DRAWINGS

14023

MADISON, WI

STORMSEWER SCHEDULE

OLIN WASTE TRANSFER DROP-OFF



14023

U-3

CONTRACT NO: 9318

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Revision: [blank]
Mark: [blank]

OLIN WT DROP OFF SITE/ WU PARKING LOT

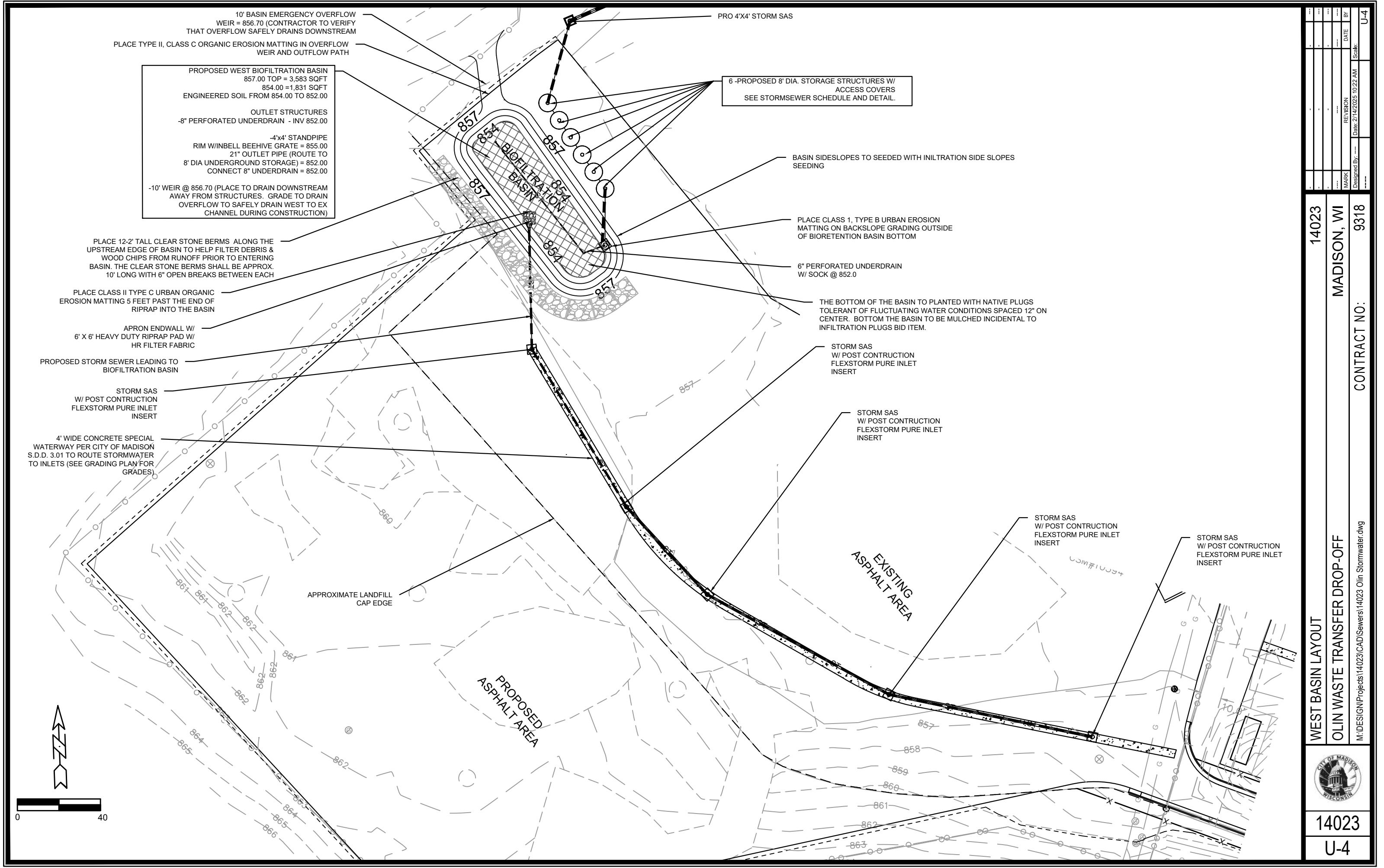
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PROJECT NO. 14023

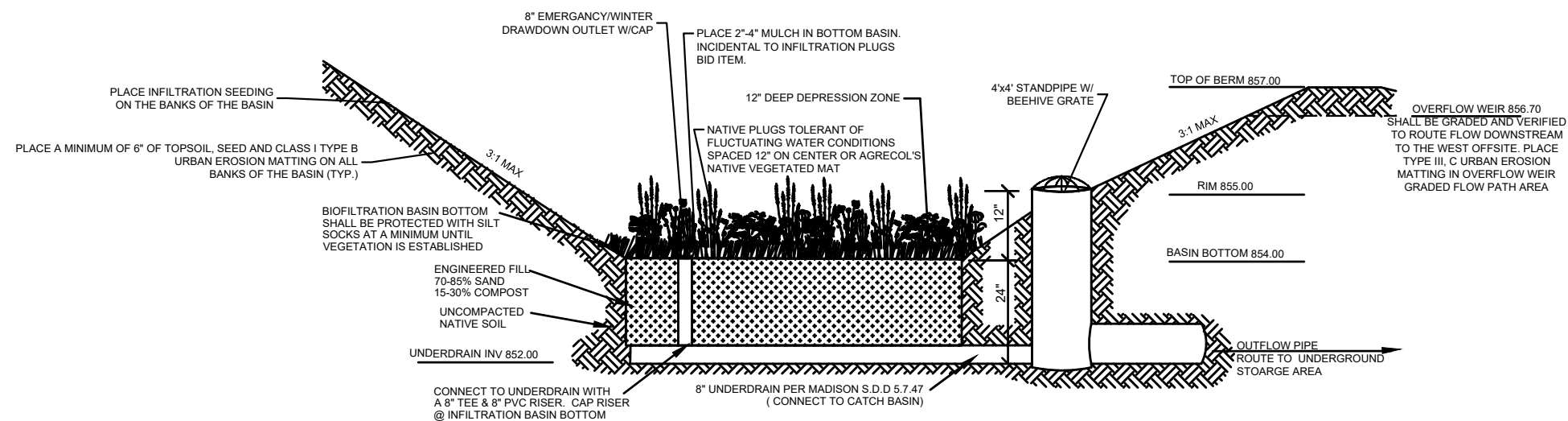
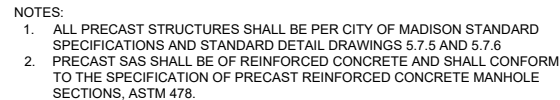
1 of 1

STORM SEWER SCHEDULE

CITY OF MADISON



14023	MADISON, WI	9318	U-4
CONTRACT NO:			
WEST BASIN LAYOUT			
OLIN WASTE TRANSFER DROP-OFF			
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14023			
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14023	MADISON, WI
CONTRACT NO: 9318	

WEST AREA STORMWATER DETAILS

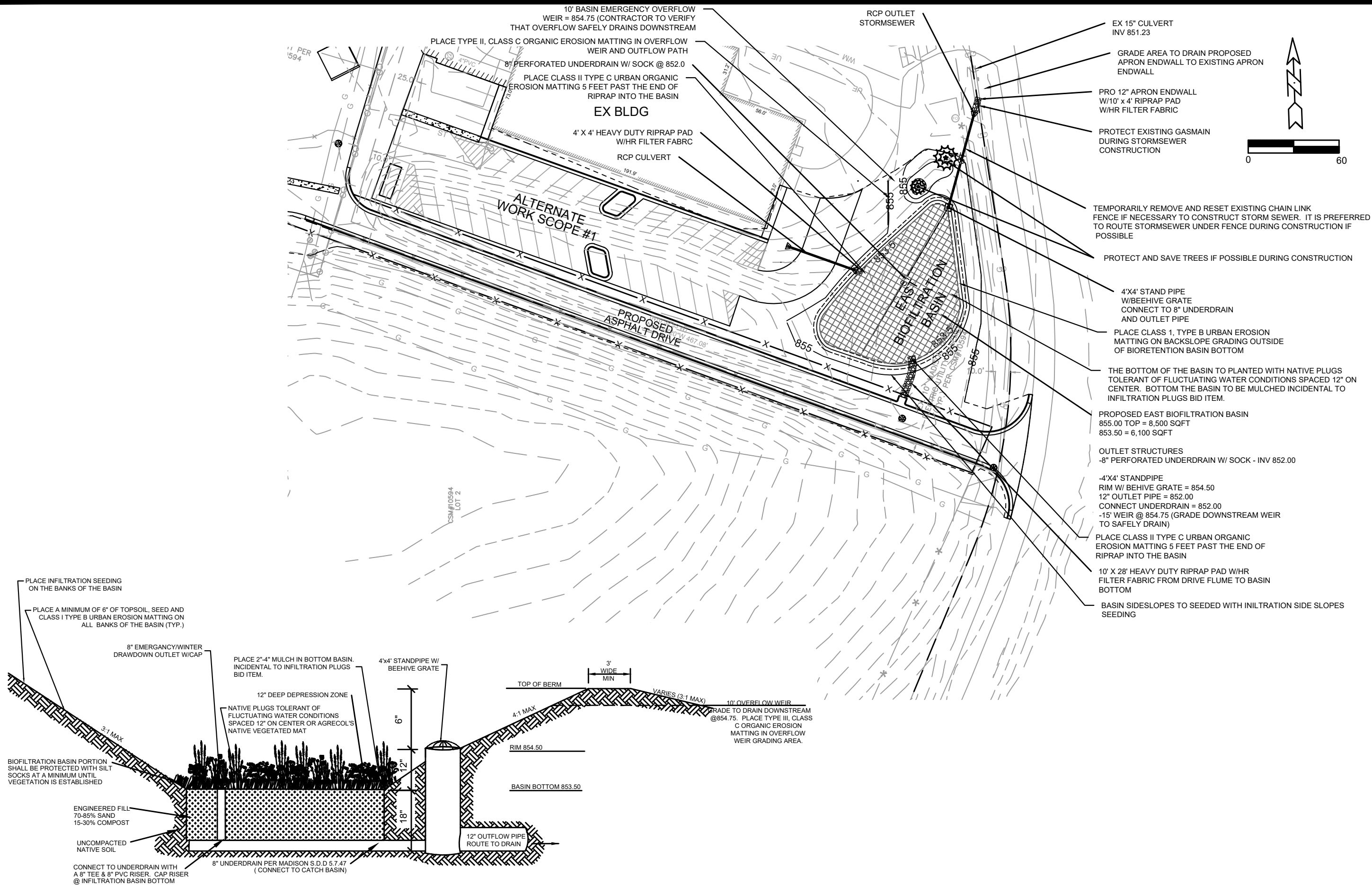
OLIN WASTE TRANSFER DROP-OFF

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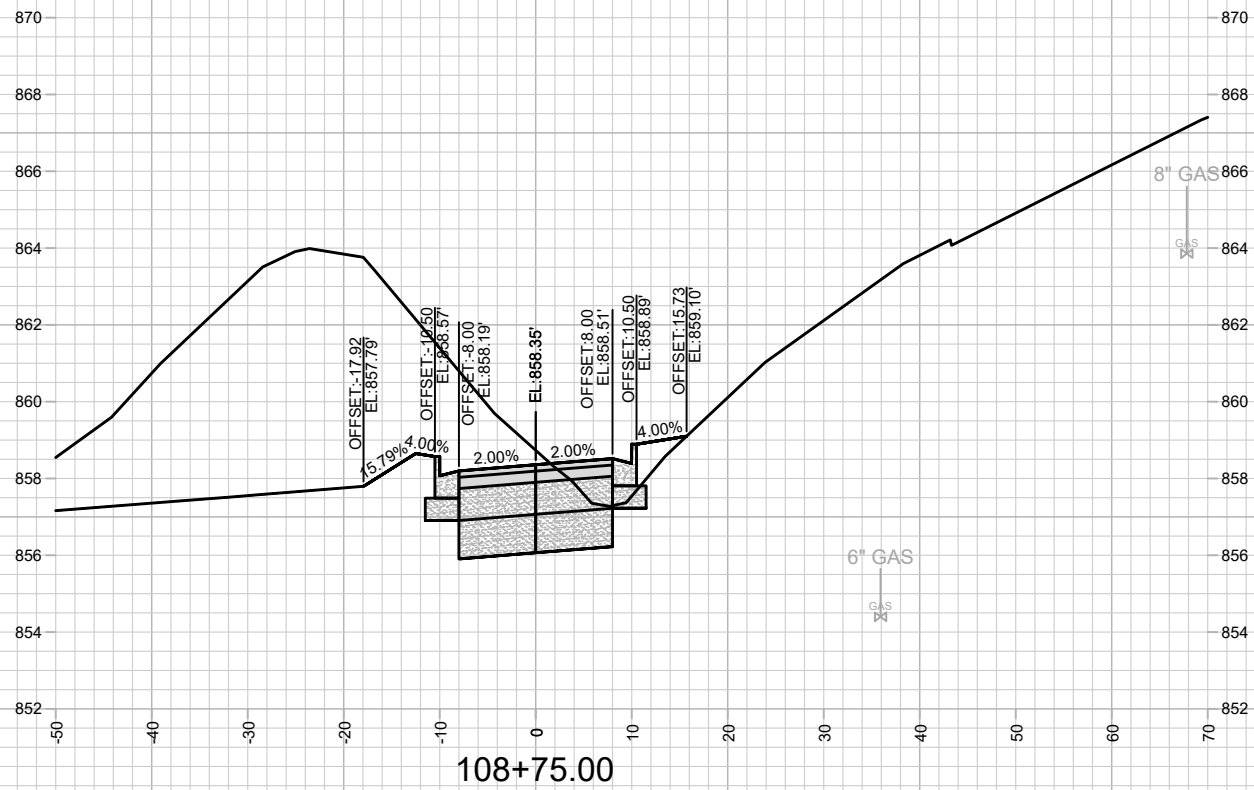
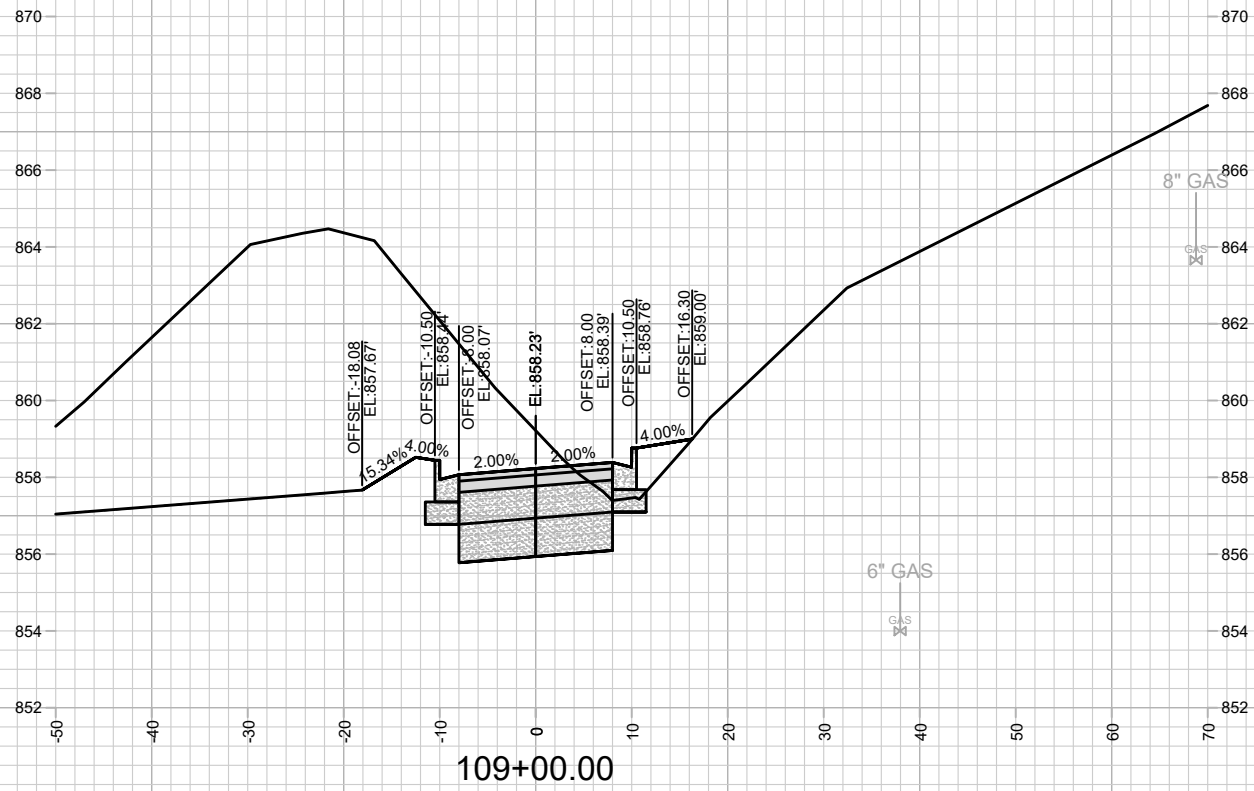
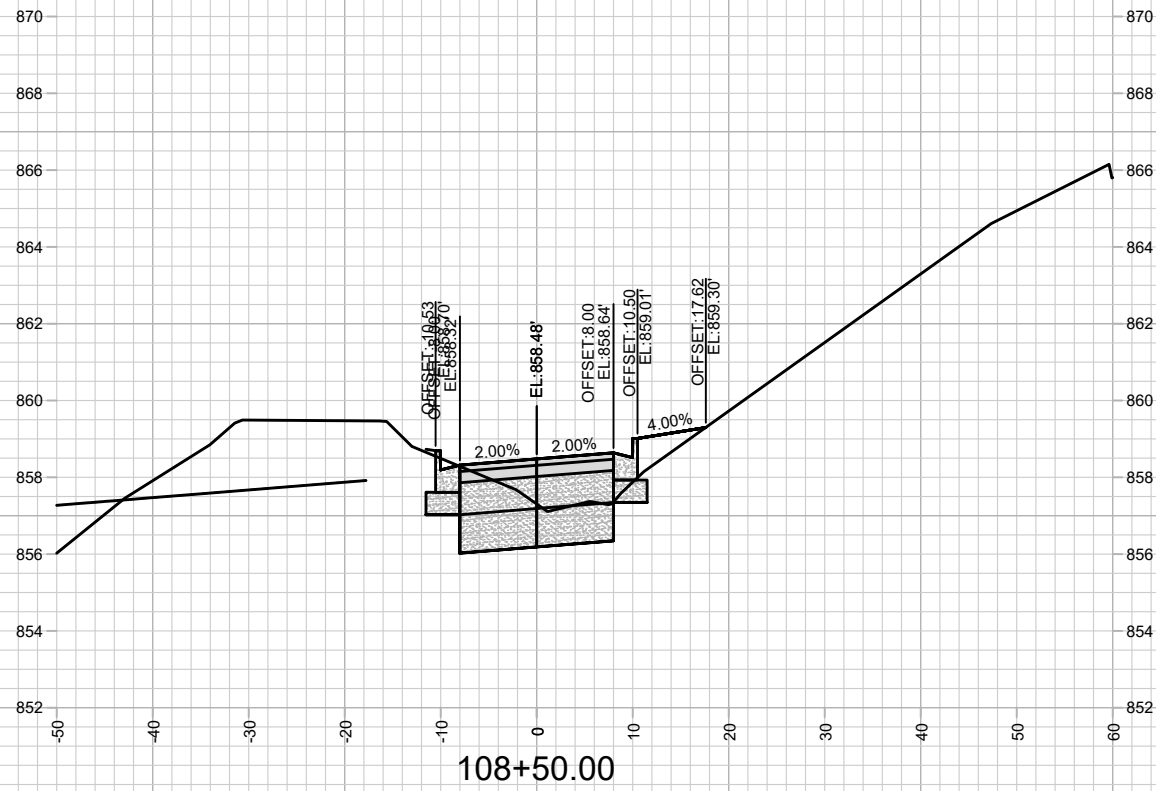
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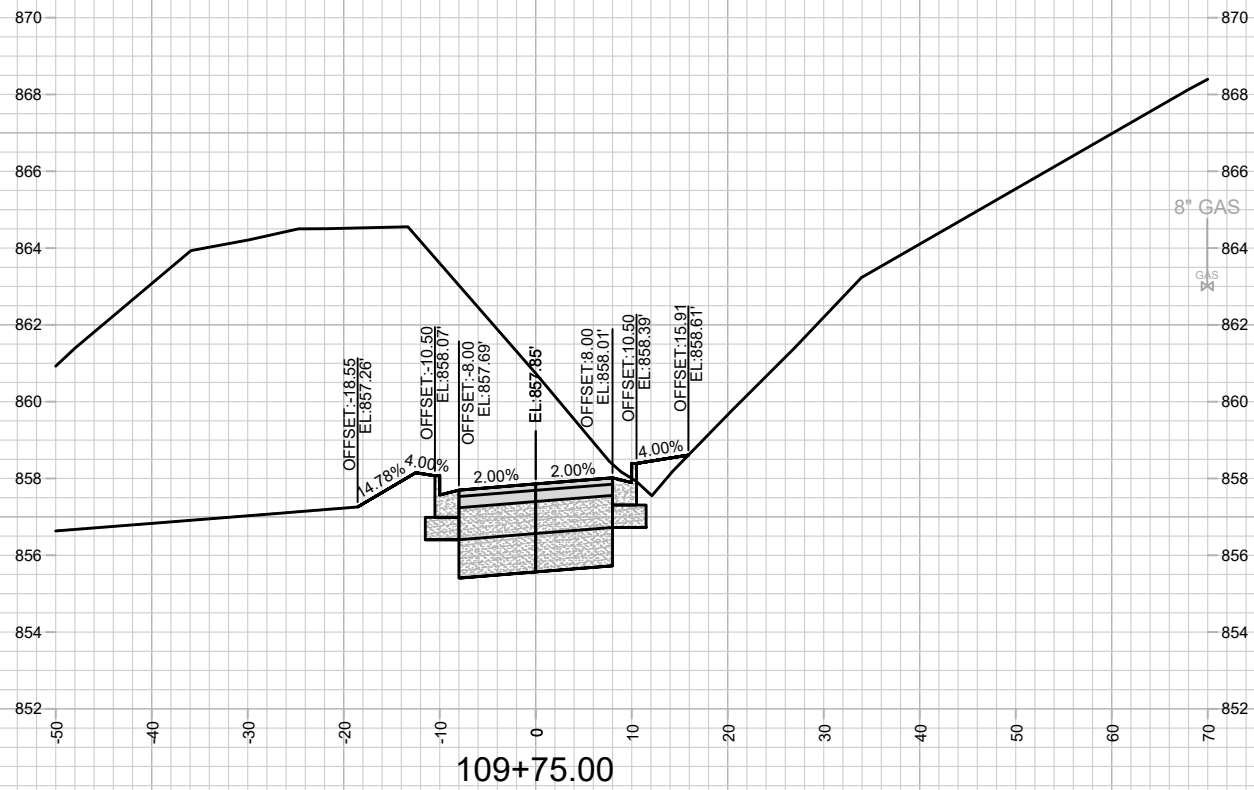
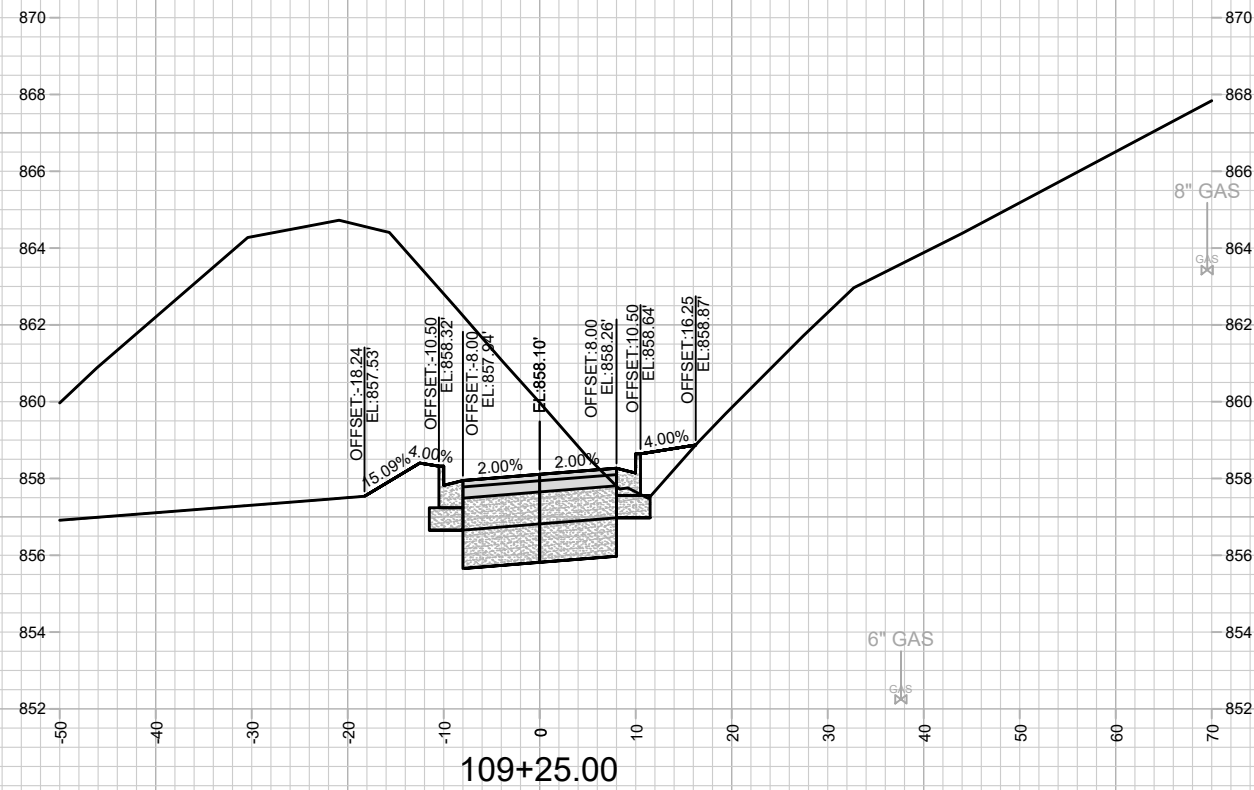
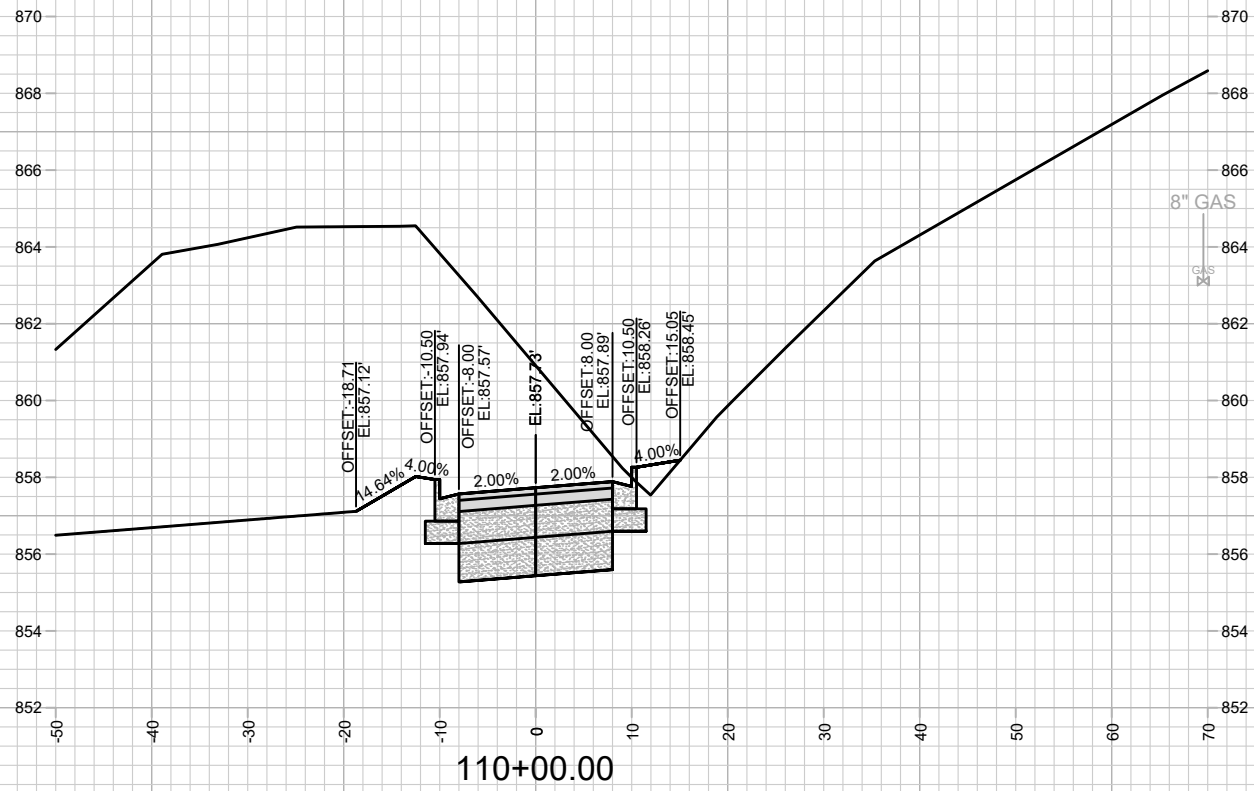
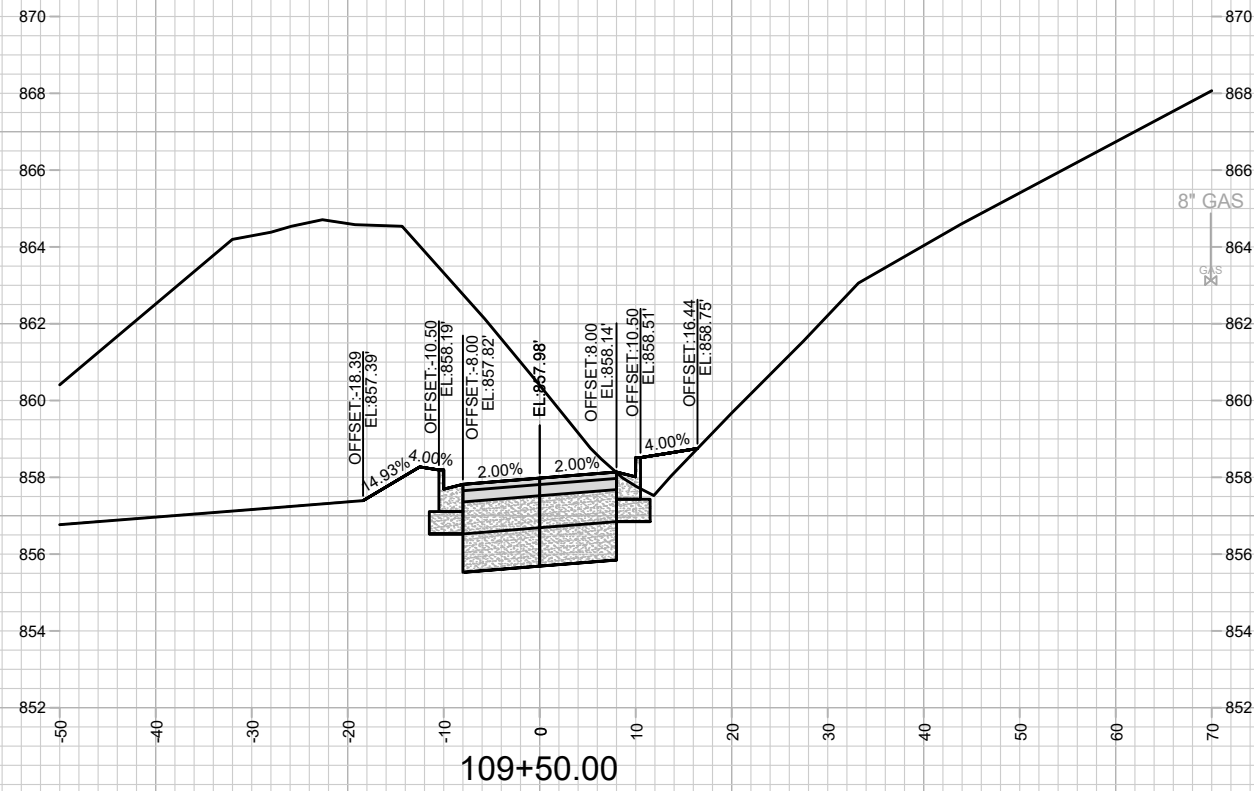


PROPOSED BIOFILTRATION BASIN DETAIL
NOT TO SCALE

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14023		U-6	



14023		14023	
MADISON, WI		MADISON, WI	
CONTRACT NO: 9318		CONTRACT NO: 9318	
OLIN DRIVEWAY CROSS SECTIONS		OLIN DRIVEWAY CROSS SECTIONS	
OLIN WASTE TRANSFER DROP-OFF		OLIN WASTE TRANSFER DROP-OFF	
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14023		14023	
X-1		X-1	
REVISION		REVISION	
DATE		DATE	
BY		BY	
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14023		14023	
X-1		X-1	



14023

MADISON, WI

CONTRACT NO: 9318

OLIN DRIVEWAY CROSS SECTIONS

OLIN WASTE TRANSFER DROP-OFF

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14023

X-2

REVISION

DATE

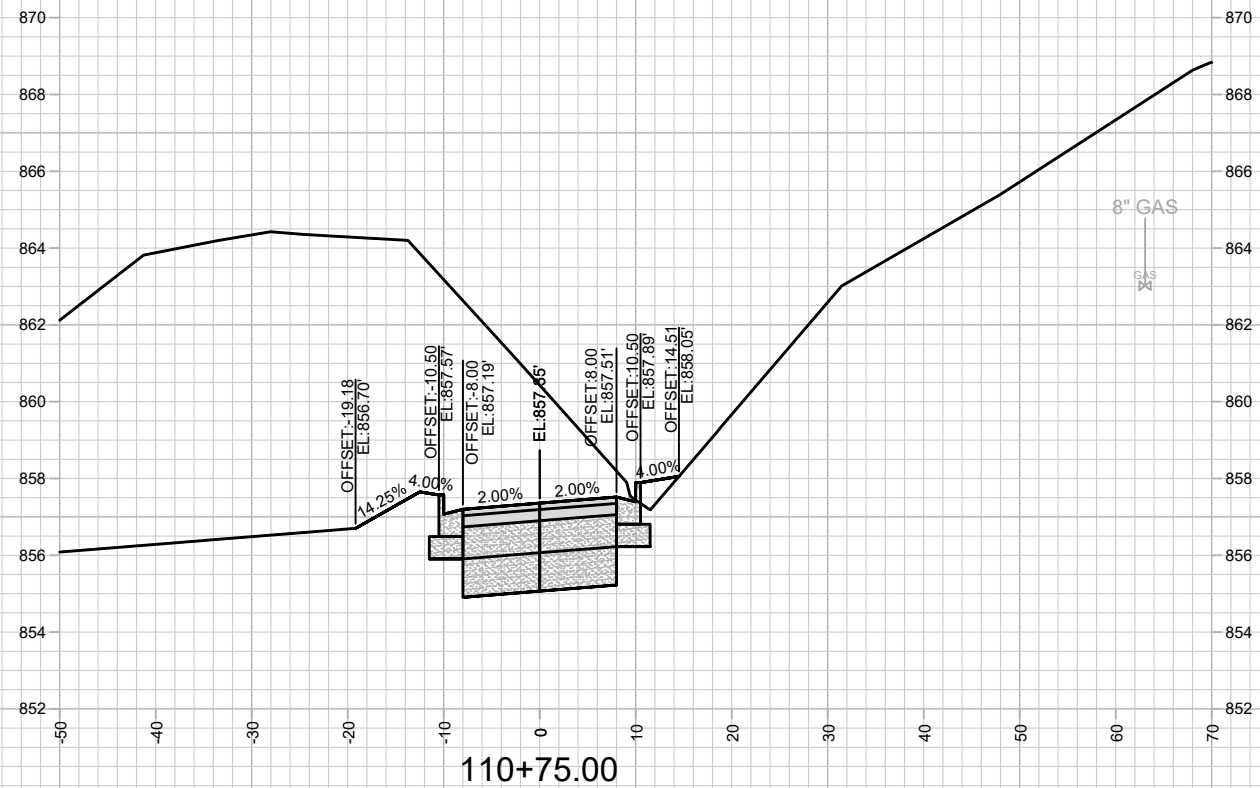
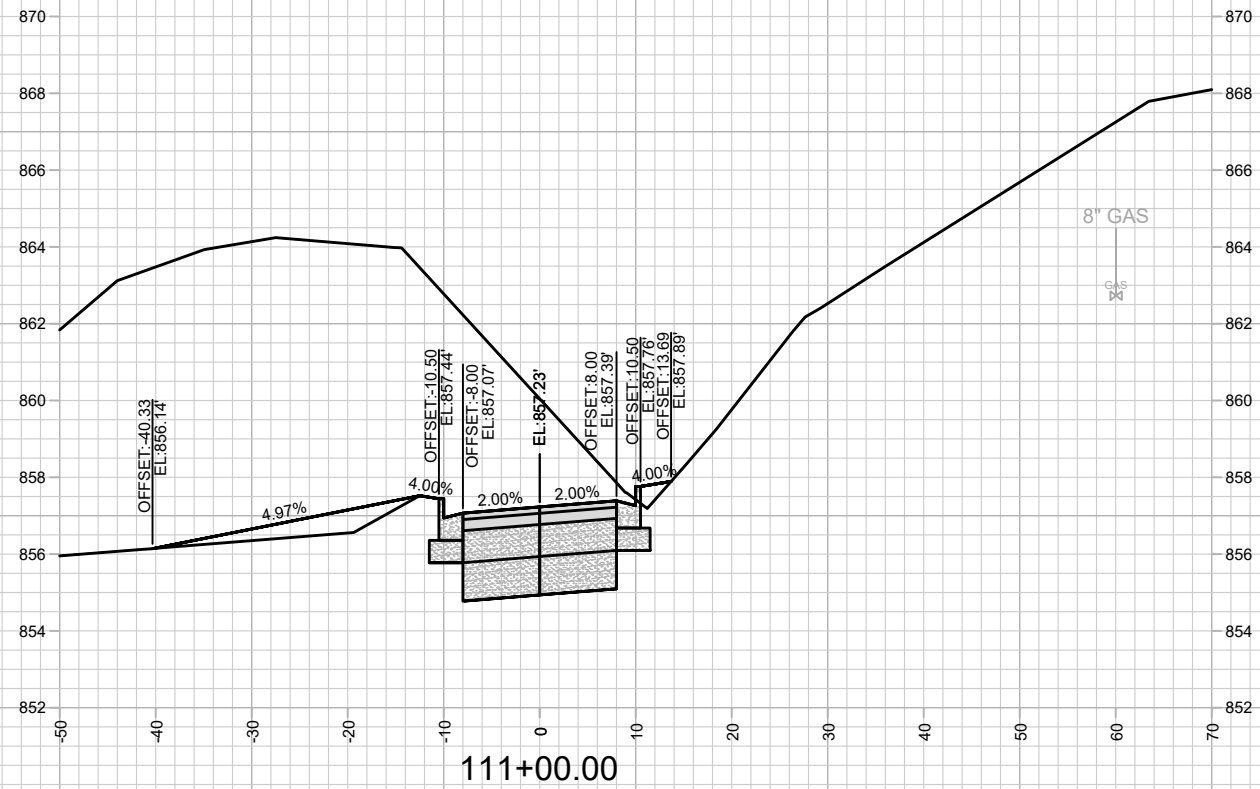
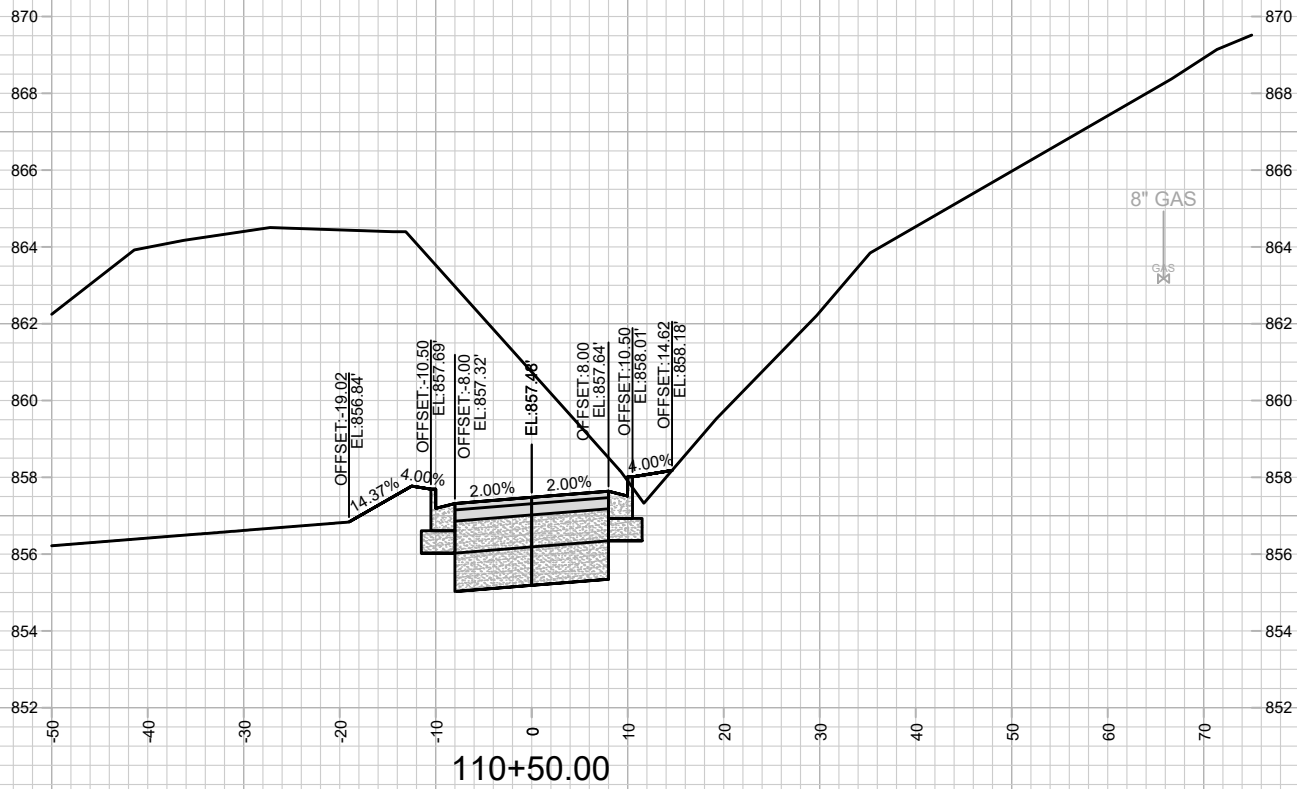
BY

14023

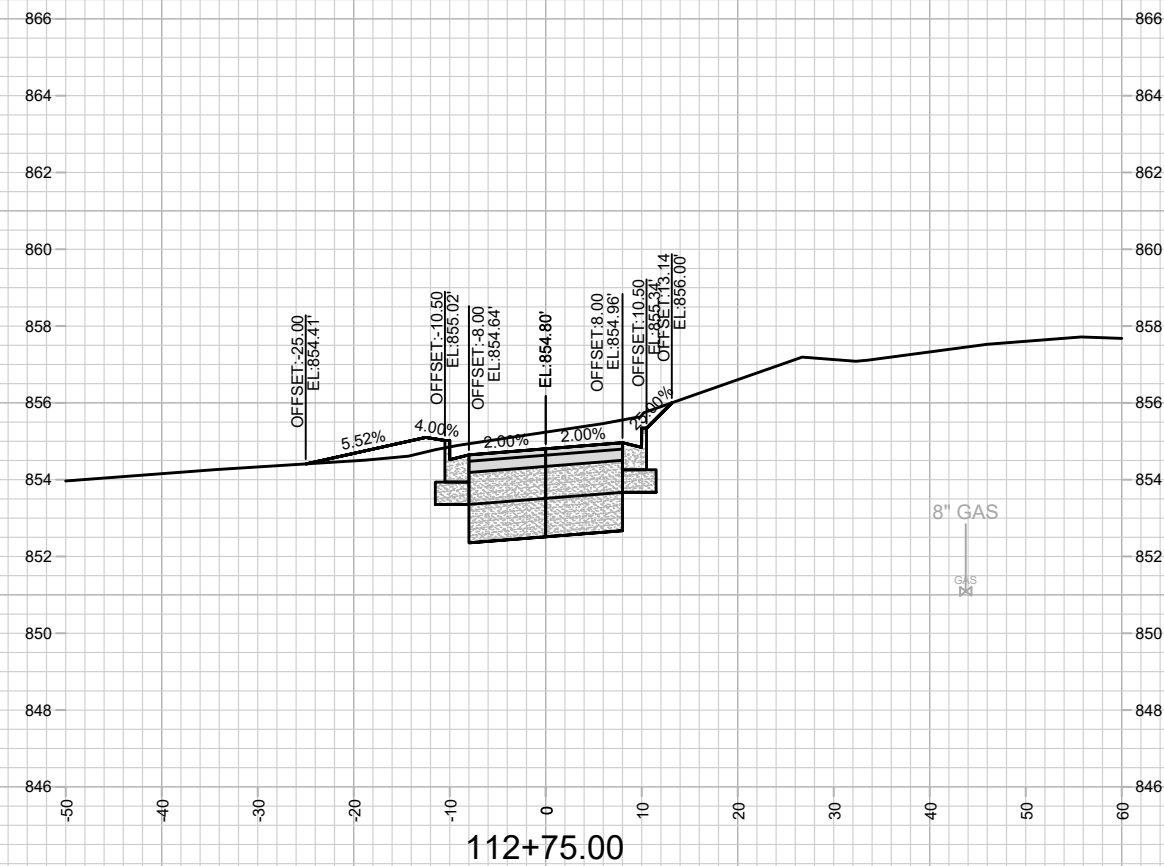
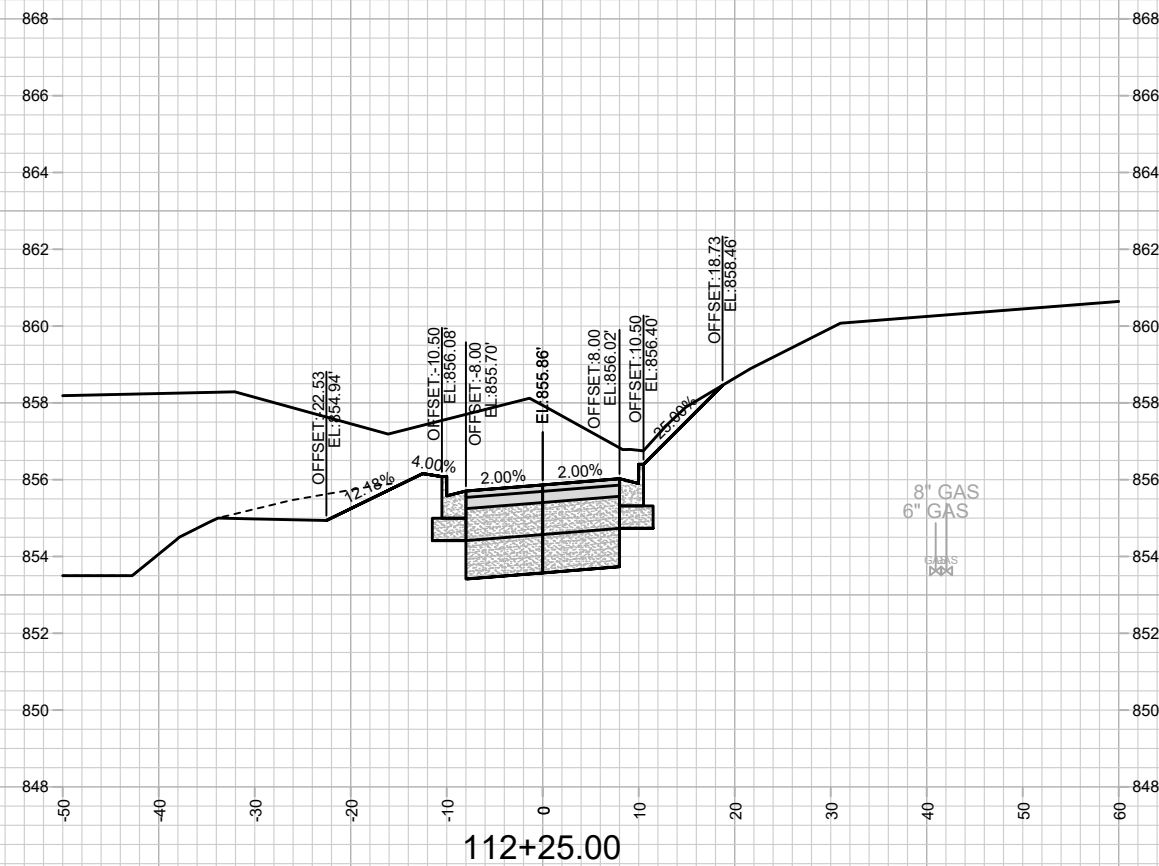
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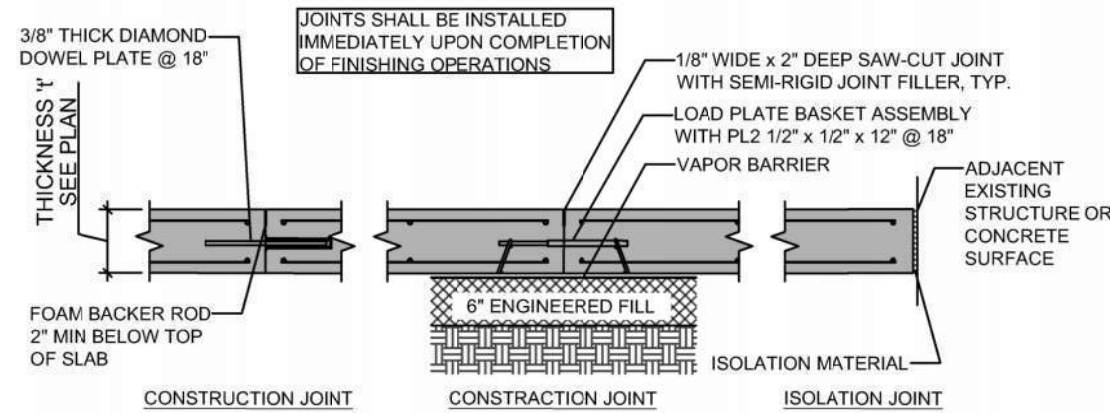
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X-2



14023		14023	
MADISON, WI		MADISON, WI	
CONTRACT NO: 9318		CONTRACT NO: 9318	
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OLIN WASTE TRANSFER DROP-OFF		OLIN WASTE TRANSFER DROP-OFF	
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14023		14023	
X-3		X-3	
REVISION		REVISION	
DATE		DATE	
BY		BY	
Scale: #####		Scale: #####	
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Designed By: ALZ		Designed By: ALZ	
Date: 2/14/2025 10:54 AM		Date: 2/14/2025 10:54 AM	

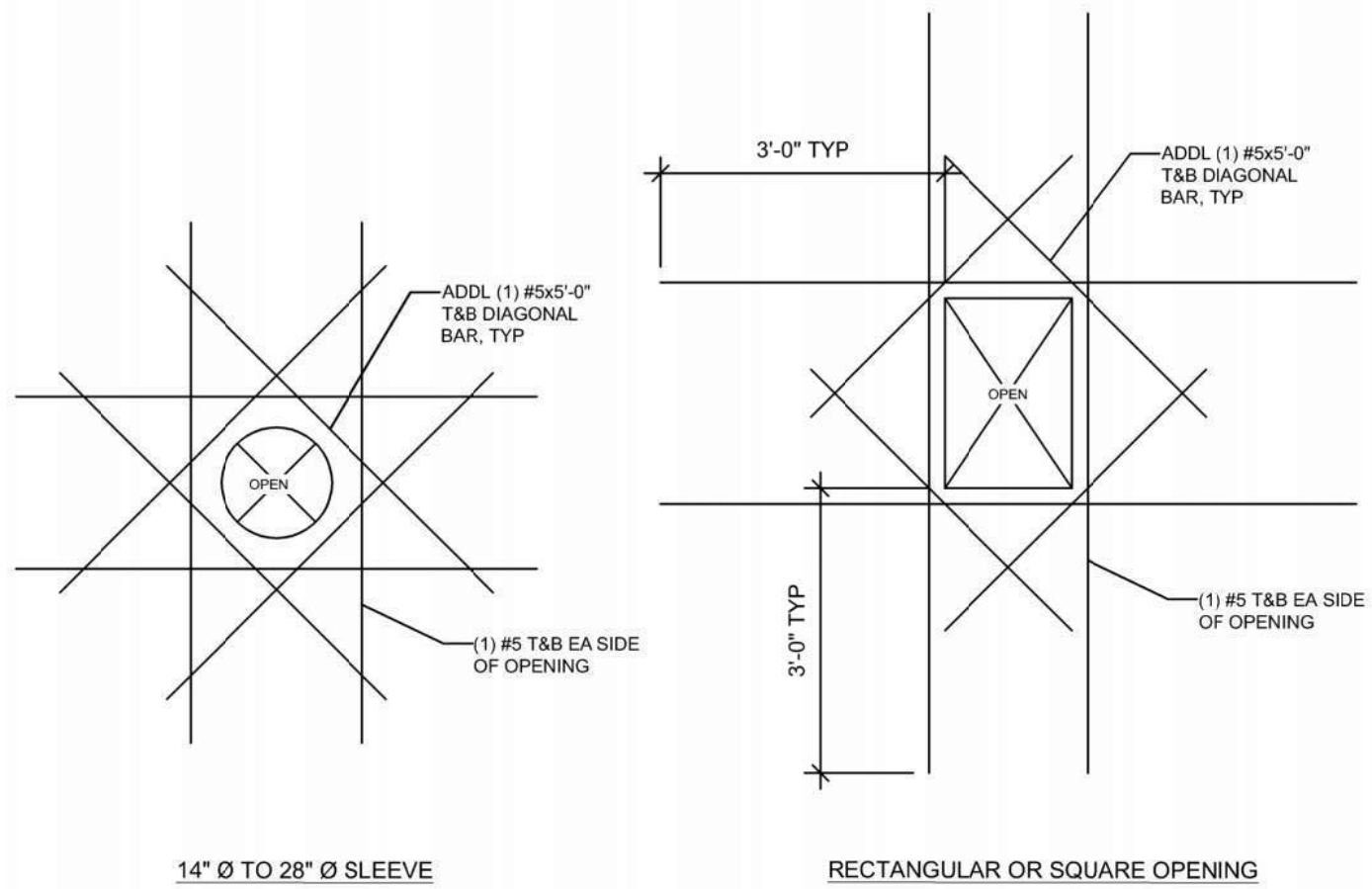




1
S-2

HEAVY DUTY SLAB ON GRADE CONSTRUCTION

1/2" = 1'-0"



3
S-2

ADDL. REINFORCING AT SLEEVE / OPENING IN SLAB

1/2" = 1'-0"

REINF. STEEL, FY		BAR SIZE	BAR LOCATION	CONCRETE STRENGTH, f'c							
				3 KSI	4 KSI	5 KSI	6 KSI	7 KSI	8 KSI	9 KSI	10 KSI
60 KSI	#3		TOP	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"	1'-4"
			OTHER	1'-10"	1'-7"	1'-5"	1'-4"	1'-2"	1'-2"	1'-1"	1'-0"
	#4		TOP	3'-2"	2'-9"	2'-5"	2'-3"	2'-1"	1'-11"	1'-10"	1'-9"
			OTHER	2'-5"	2'-1"	1'-11"	1'-9"	1'-7"	1'-6"	1'-5"	1'-4"
	#5		TOP	3'-11"	3'-5"	3'-0"	2'-9"	2'-7"	2'-5"	2'-3"	2'-2"
			OTHER	3'-0"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"	1'-9"	1'-8"
	#6		TOP	4'-8"	4'-1"	3'-8"	3'-4"	3'-1"	2'-11"	2'-9"	2'-7"
			OTHER	3'-7"	3'-1"	2'-10"	2'-7"	2'-4"	2'-3"	2'-1"	2'-0"
	#7		TOP	6'-9"	5'-11"	5'-3"	4'-10"	4'-6"	4'-2"	3'-11"	3'-9"
			OTHER	5'-3"	4'-6"	4'-1"	3'-9"	3'-5"	3'-3"	3'-0"	2'-11"
	#8		TOP	7'-9"	5'-9"	5'-0"	5'-6"	5'-1"	4'-9"	4'-6"	4'-3"
			OTHER	6'-0"	5'-2"	4'-8"	4'-3"	3'-11"	3'-8"	3'-6"	3'-3"
	#9		TOP	8'-9"	7'-7"	6'-9"	6'-2"	5'-9"	5'-4"	5'-1"	4'-10"
			OTHER	6'-9"	5'-10"	5'-3"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"
	#10		TOP	9'-10"	8'-6"	7'-8"	7'-0"	6'-5"	6'-0"	5'-8"	5'-5"
			OTHER	7'-7"	5'-7"	5'-11"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"
	#11		TOP	10'-11"	9'-6"	8'-6"	7'-9"	7'-2"	6'-8"	6'-4"	6'-0"
			OTHER	8'-5"	7'-3"	6'-6"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"

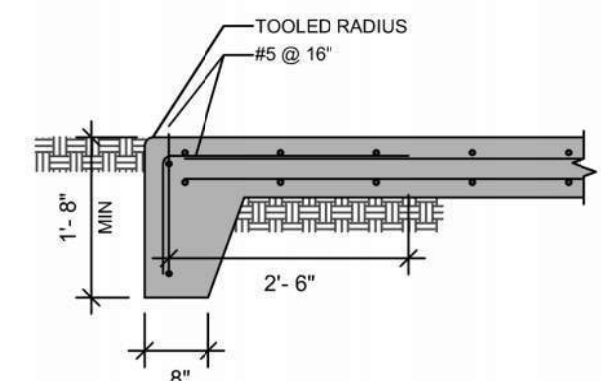
- NOTES
- SPLICE LENGTHS ARE APPLICABLE FOR SPLICES OCCURRING UNDER THE FOLLOWING CONDITIONS.
 - NORMAL-WEIGHT CONCRETE
 - MIN BAR SPACING REQUIREMENTS:
 - CLEAR SPACING BETWEEN BARS AT SPLICE LOCATION > BAR DIAMETER, CLEAR COVER TO BARS \geq BAR D=DIAMETER, AND TIES OR STIRRUPS OCCUR PER CODE SPACING WITHIN LENGTH OF SPLICE; OR
 - CLEAR SPACING BETWEEN BARS AT SPLICE $\geq 2 \times$ BAR DIAMETER CLEAR COVER > BAR DIAMETER
 - INDICATED SPLICE LENGTHS SHALL BE INCREASED BY THE LISTED FACTORS WHERE THE FOLLOWING CONDITIONS EXIST.

CONDITION	SPLICE LENGTH MULTIPLIER*
A. BAR SPACING OR CLEAR COVER IS LESS THAN REQUIRED PER NOTE 1	1.5
B. LIGHTWEIGHT CONCRETE	1.3
C. EPOXY COATED REINF. WITH COVER < 3 x BAR DIAMETER OR CLEAR SPACING < 6 x BAR DIAMETER	1.5
D. ALL OTHER EPOXY COATED BARS	1.2

*WHERE MULTIPLE CONDITIONS EXIST APPLY EACH OF THE APPLICABLE FACTORS TO THE TABULATED TENSION LAP SPLICE LENGTH TO OBTAIN THE REQUIRED SPLICE LENGTH.
 - TOP BARS ARE HORIZ. BARS LOCATED WHERE MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BARS
 - USE SMALLER BAR SIZE TO DETERMINE LENGTH WHERE SPLICING BARS OF DIFFERENT SIZES

2
S-2


CLASS B TENSION LAP SPLICE LENGTHS

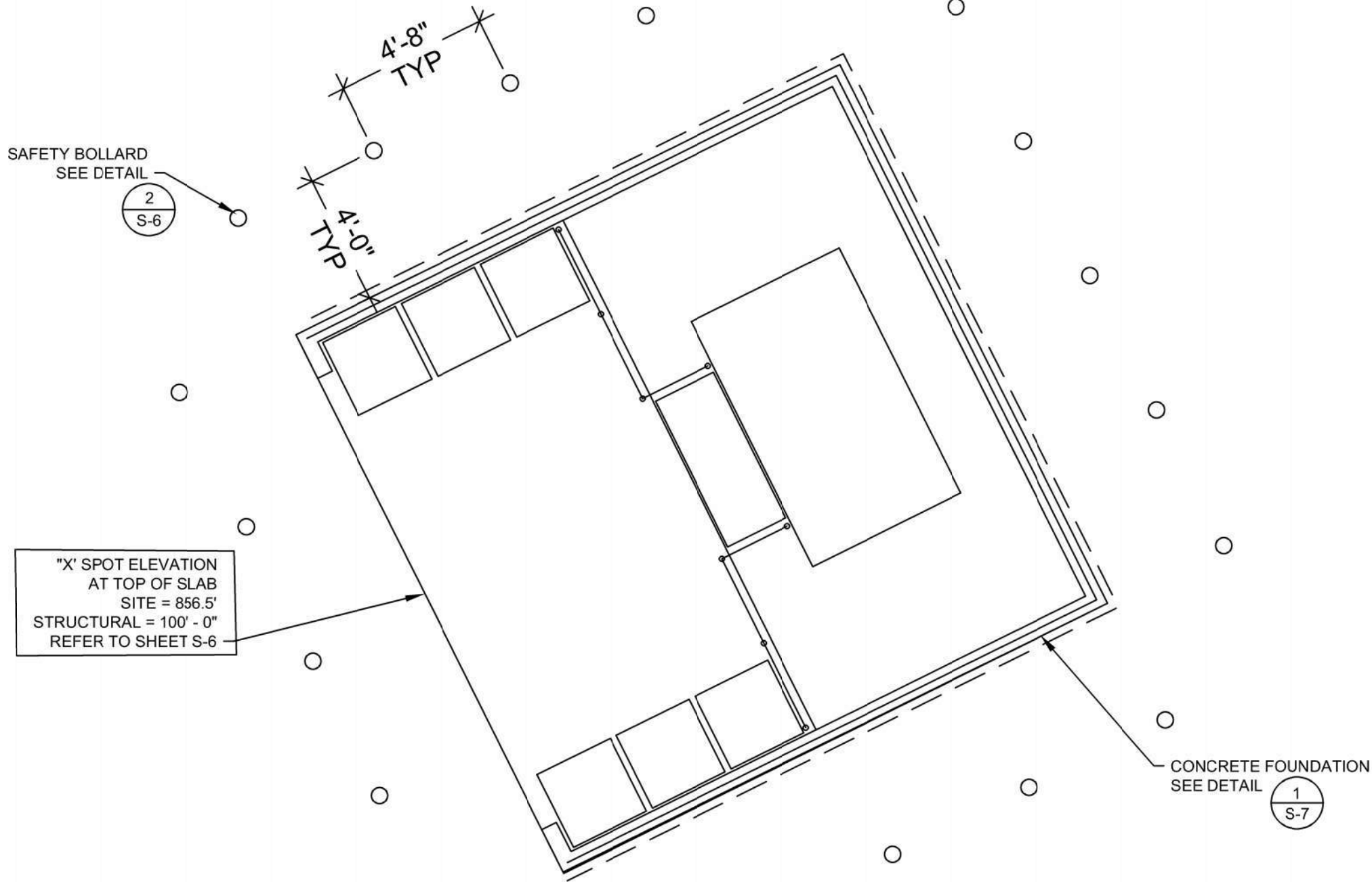


4
S-2

EDGE OF SLAB DETAIL

1/2" = 1'-0"

	S-3	14023		ELECTRIC SHARK SHREDDER PAD DETAILS OLIN WASTE TRANSFER DROP-OFF	14023 119 & 121 E OLIN AVE	### ### ### ### ### ###	### ### ### ### ### ###	MARK DATE	BY
					CONTRACT NO:	9318	Date: 2/14/2025 12:09 PM	Scale: #####	#####



LEGEND

--- LIMITS OF DISTURBANCE

--- FIRE PROTECTION ZONE

... SILT SOCK

--- PROPOSED CHAIN LINK FENCE

--- EXISTING CONCRETE AND ASPHALT

--- PROPOSED CONCRETE

---993--- EXISTING CONTOURS

---993--- PROPOSED CONTOURS

▲ EXISTING CONTROL POINT

○ PROPOSED BOLLARD

⊗ EXISTING WATER VALVE

- NOTES:
1. CONTRACTOR SHALL PROVIDE TREE PROTECTION FOR ALL TREES IN THE LIMITS OF DISTURBANCE. PROVIDE ADDITIONAL PROTECTION AS NEEDED FOR OVERHANGING LIMBS.
 2. CONTRACTOR SHALL CLEAN CUT ANY TREE ROOTS IMPACTED BY EXCAVATION.
 3. CONTRACTOR SHALL STOCKPILE ANY EXCAVATED TOPSOIL ON SITE, USE AS NEEDED FOR FINAL GRADING, AND DISBURSE LEFTOVER SOIL AFTER FINAL GRADING THROUGHOUT SITE. ALL DISTURBED AREAS WILL BE RESTORED WITH 4" TOPSOIL, FERTILIZER, AND SEED. STRAW MULCH SHALL BE APPLIED AND CRIMPED IN PLACE
 4. SWEEPING OFF-SITE SHALL BE COMPLETED AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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1" = 3'-0"

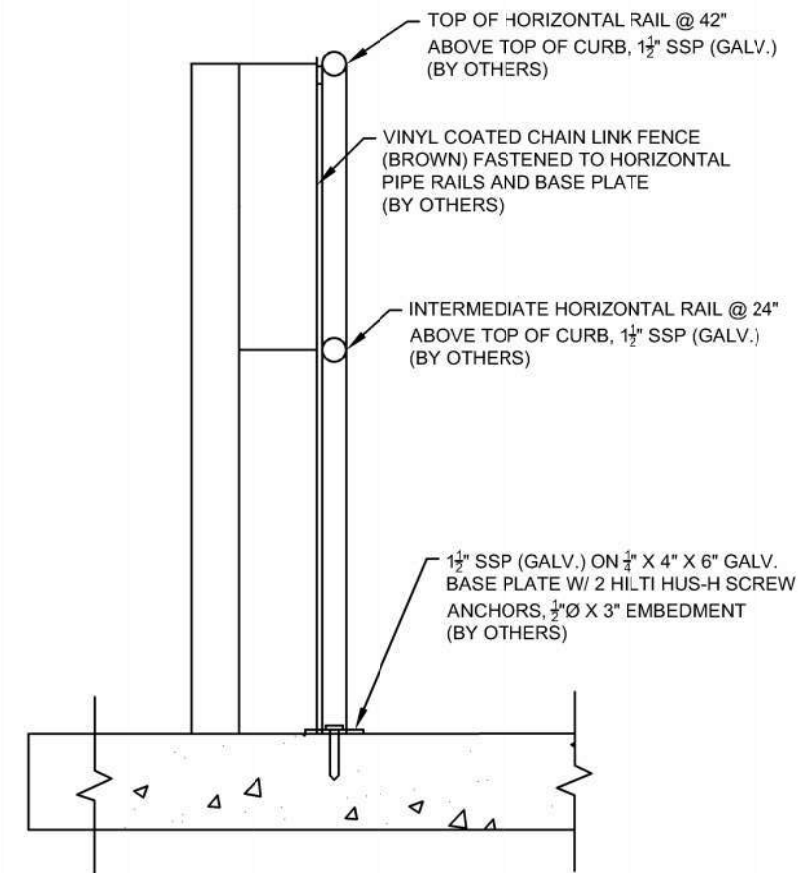
NOTES:

- 2 SAFETY BOLLARD SECTION
S-6 1" = 2'-0"

1" = 2'-0"

5. CONCRETE SHALL BE REINFORCED USING FIBER MESH (TYPE III, NOVOMESH 950 OR EQUAL) AT 5 LB/CY.
6. ANY REINFORCING IS TO BE EPOXY COATED.
7. PVC WATERSTOPS SHALL BE CENTERED IN WALLS AND LEDGES AND RUN CONTINUOUS.
8. CONCRETE SLAB SHALL RECEIVE A LIGHT BROOM FINISH.

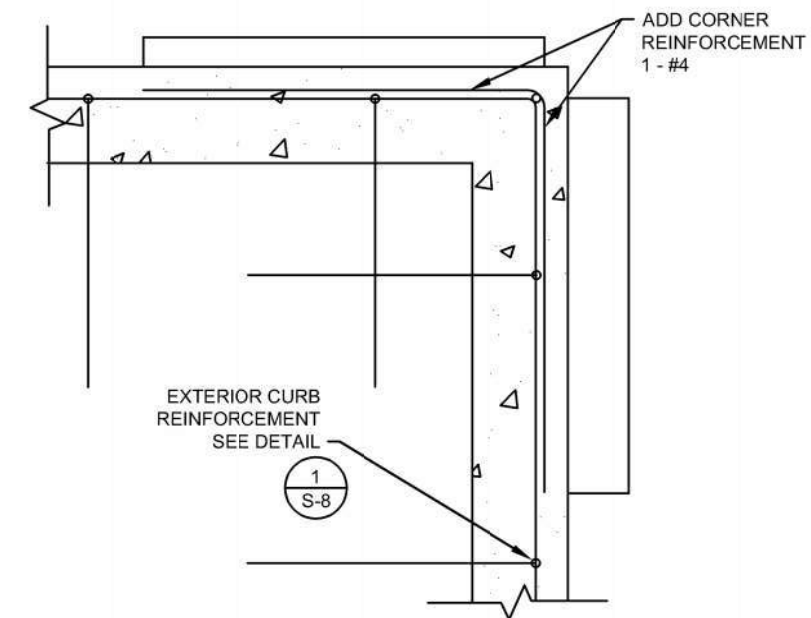
14023
S-6



2
S-7

CHAIN LINK FENCE SECTION

1" = 1'-0"



3 CURB CORNER REINFORCEMENT
S-7 1" = 1'-0"

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###	###	###	###	DATE
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S-7