

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

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SHEET NO.	D-2	ACCESS PATH DETAIL
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SHEET NO.	P9	STORM SEWER SCHEDULE
SHEET NO.	X1-X6	TYPICAL CROSS SECTIONS

CHEROKEE MARSH STORMWATER MANAGEMENT PONDS

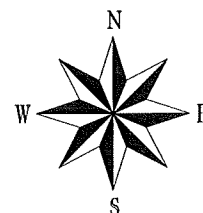
CITY PROJECT NO. 53W1101

CONTRACT NO. 6900

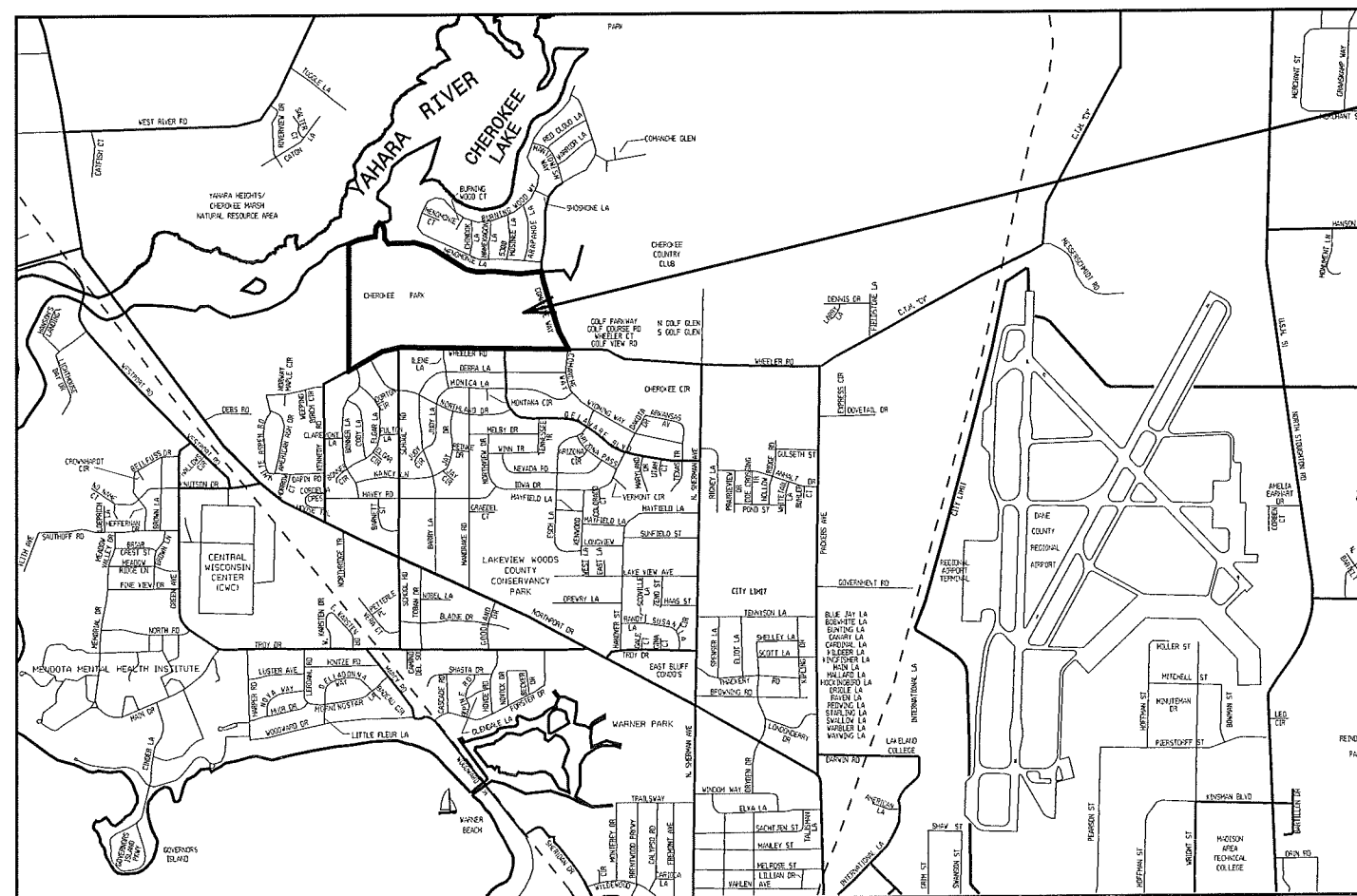
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Michael P. Bailey 7/3/2012
City Engineer Date

DESIGNED BY:



PROJECT LOCATION

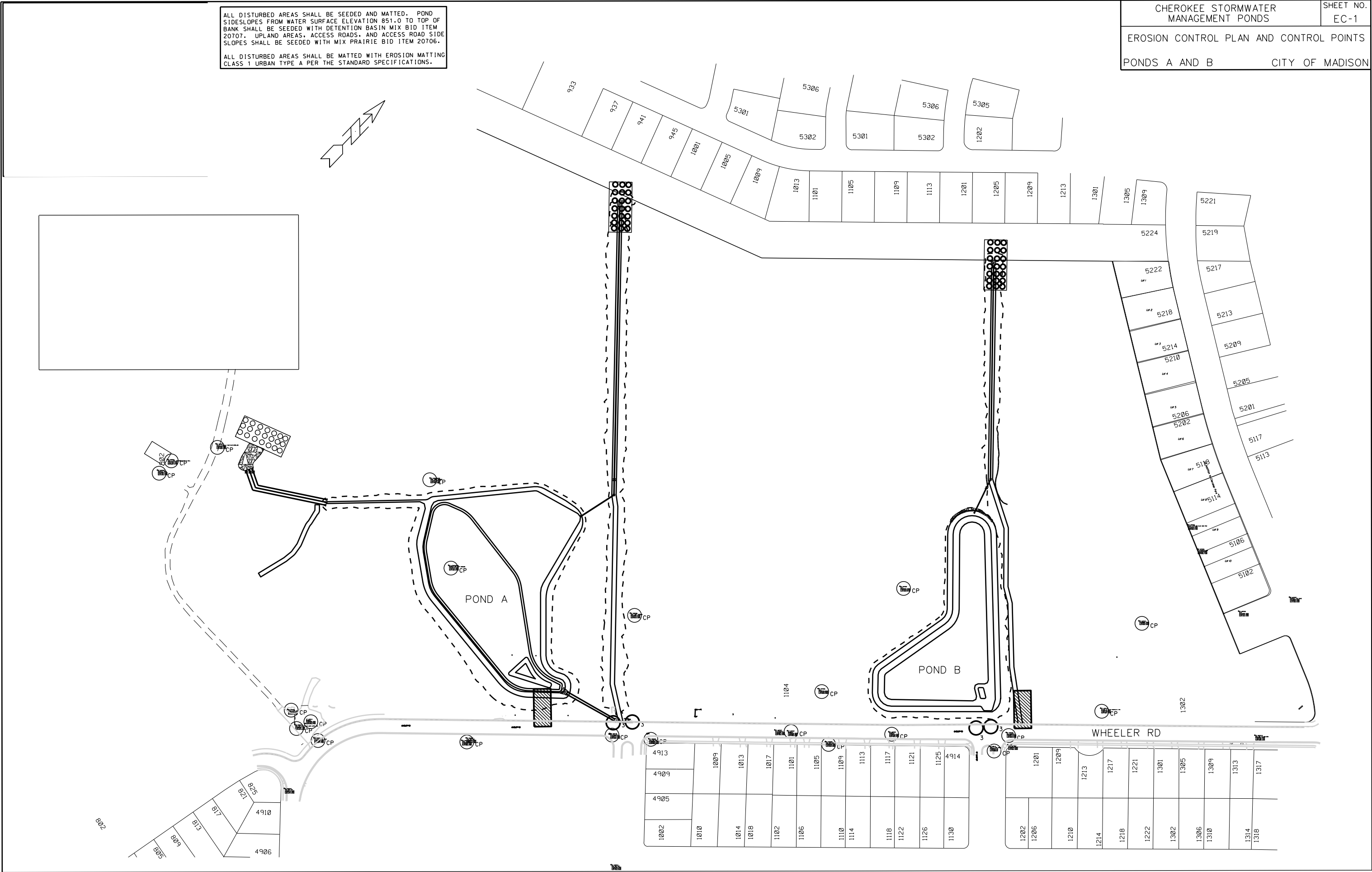


CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	— P —
HANDICAP RAMP	— H —
COMBUSTIBLE FLUIDS	— C —

ALL DISTURBED AREAS SHALL BE SEEDED AND MATTED. POND SIDESLOPES FROM WATER SURFACE ELEVATION 851.0 TO TOP OF BANK SHALL BE SEEDED WITH DETENTION BASIN MIX BID ITEM 20707. UPLAND AREAS, ACCESS ROADS, AND ACCESS ROAD SIDE SLOPES SHALL BE SEEDED WITH MIX PRAIRIE BID ITEM 20706.

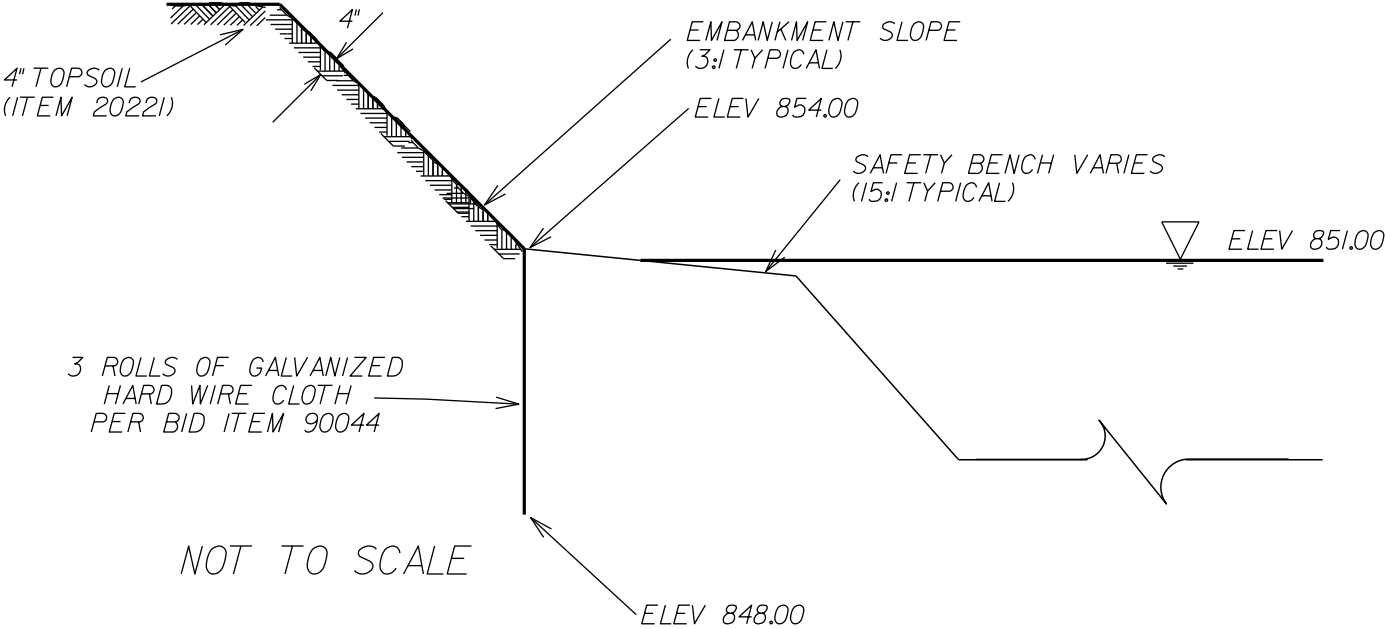
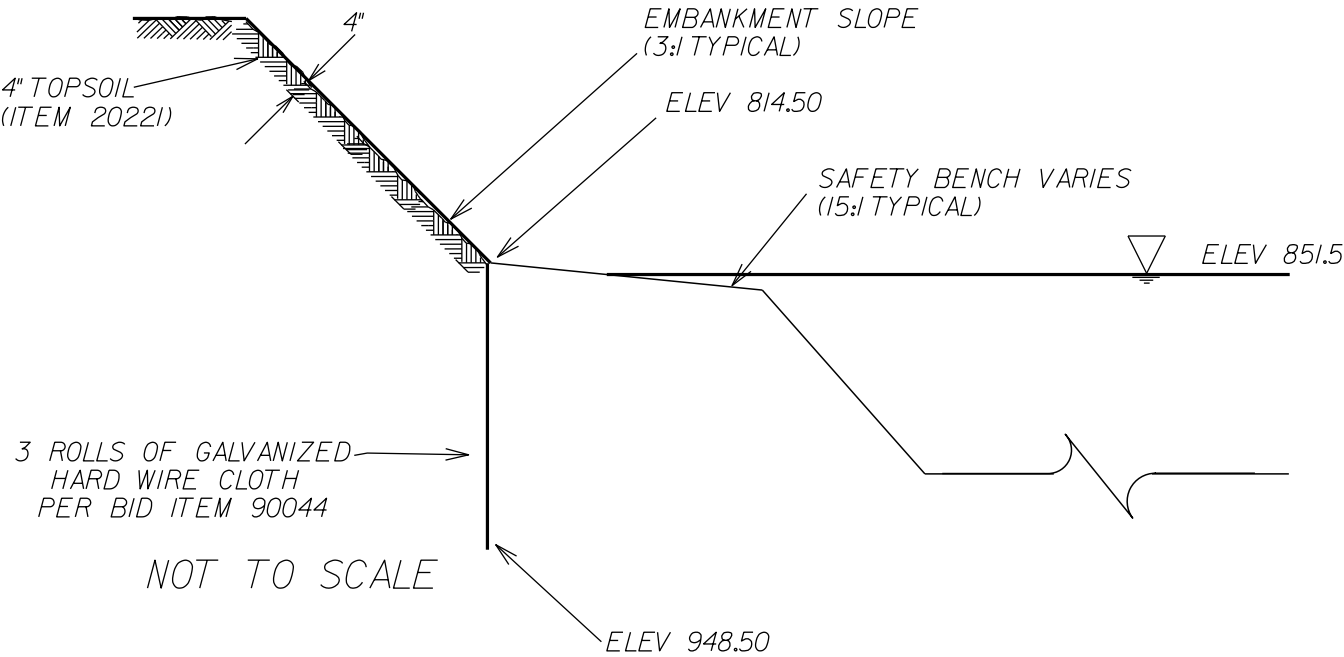
ALL DISTURBED AREAS SHALL BE MATTED WITH EROSION MATTING CLASS 1 URBAN TYPE A PER THE STANDARD SPECIFICATIONS.



TYPICAL SECTION WITH
SHORELINE BARRIER - TYPE I

POND A

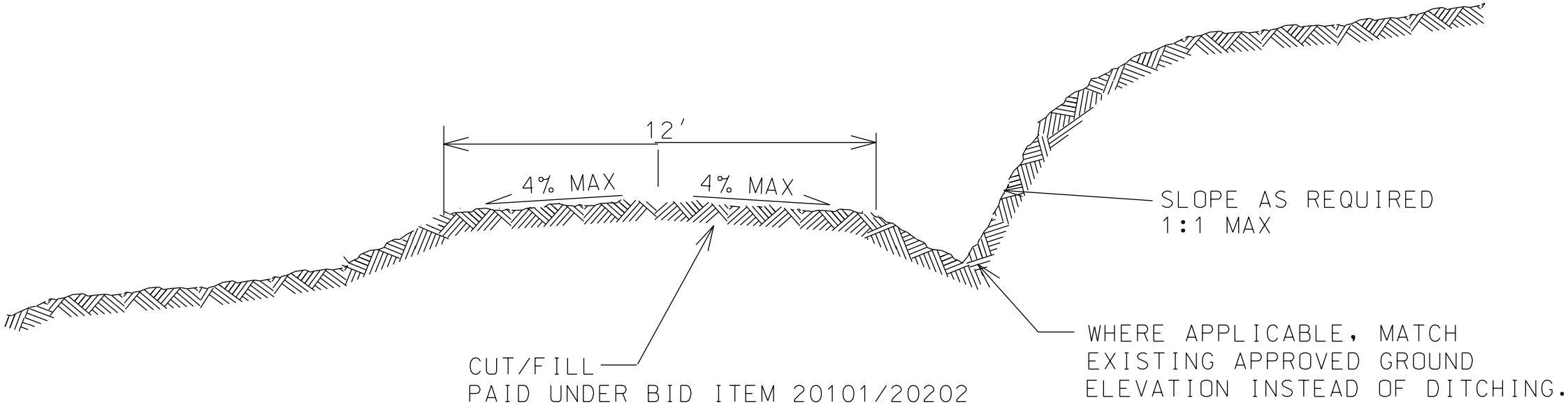
POND B



GENERAL NOTES:
PATH SHALL BE SEEDED WITH MIXED
PRAIRIE SEED (ITEM #20706)

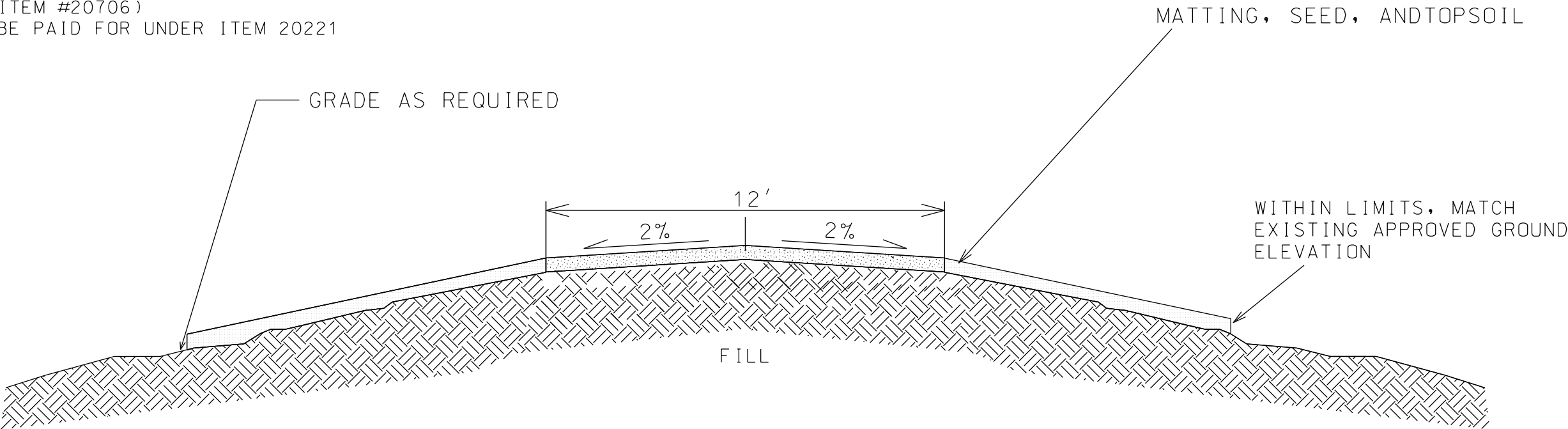
CHEROKEE MARSH STORMWATER MANAGEMENT PONDS	SHEET NO. D-2
ACCESS PATH DETAIL	
DETAILS	CITY OF MADISON

IMPROVE ACCESS ROAD



GENERAL NOTES:
PATH SHALL BE SEEDED WITH MIXED
PRAIRIE SEED (ITEM #20706)
TOPSOIL SHALL BE PAID FOR UNDER ITEM 20221

SEWER ACCESS ROAD GRADING ONLY

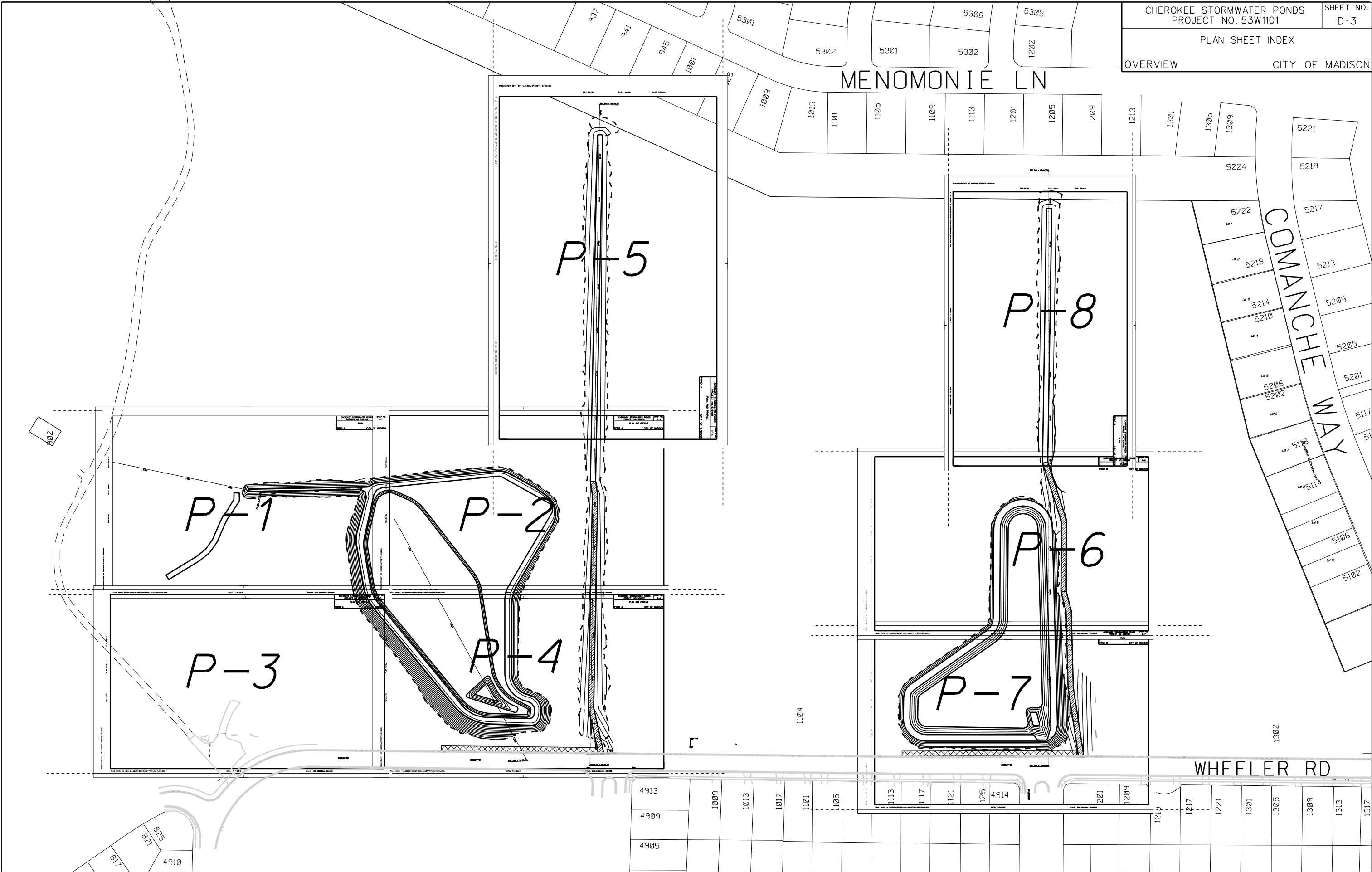


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

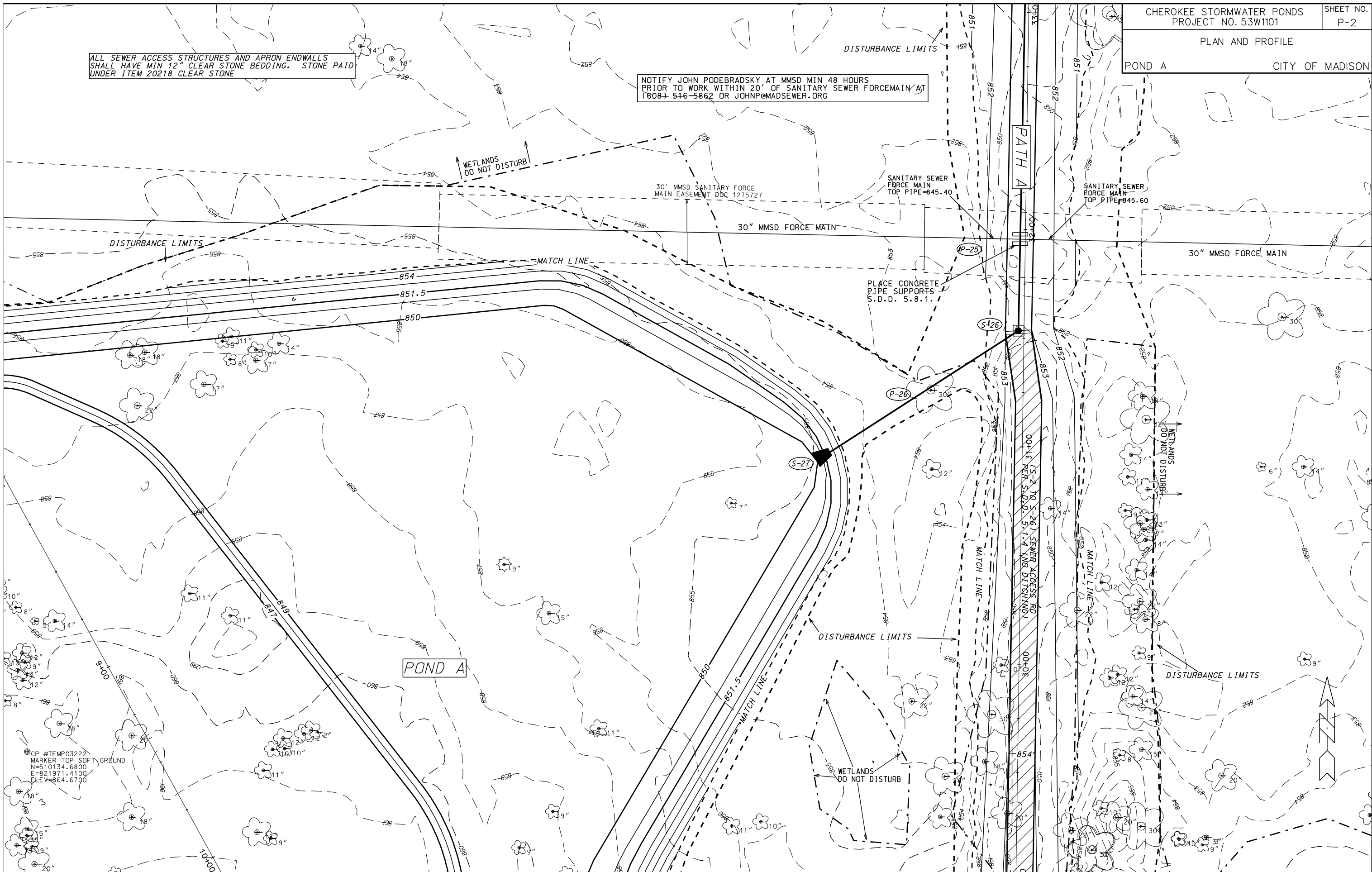
REV. DATE:



STURB!

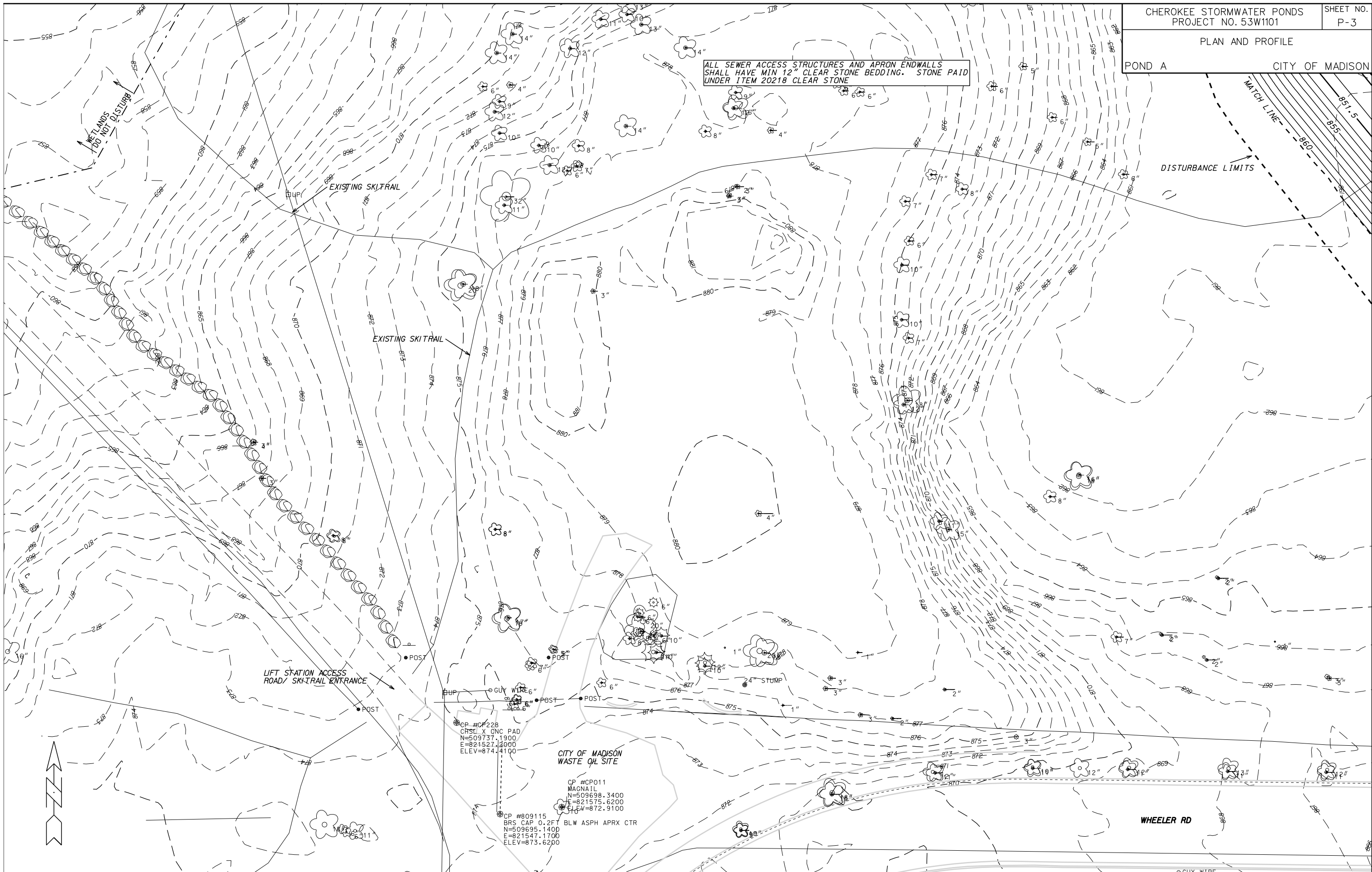
ALL SEWER ACCESS STRUCTURES AND APRON ENDWALLS
SHALL HAVE MIN 12" CLEAR STONE BEDDING. STONE PAID
UNDER ITEM 20218 CLEAR STONE

NOTIFY JOHN PODEBRADSKY AT MMSD MIN 48 HOURS
PRIOR TO WORK WITHIN 20' OF SANITARY SEWER FORCEMAIN AT
(608) 546-5862 OR JOHNPMADSEWER.ORG



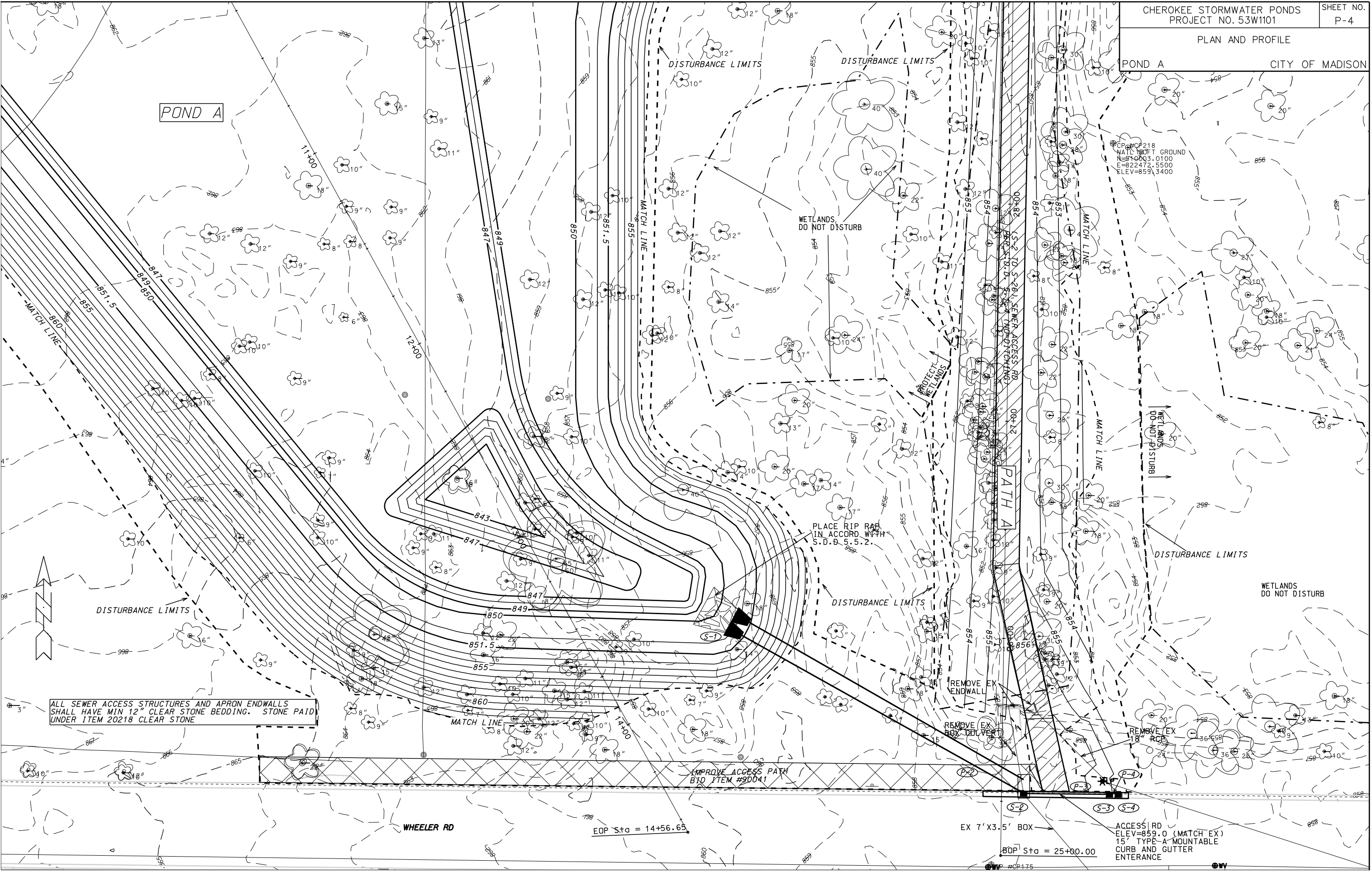
CP #TEMP03222
MARKER TOP SOFT GROUND
N=510134.6800
E=821971.4100
ELEV=864.6700

ALL SEWER ACCESS STRUCTURES AND APRON ENDWALLS
SHALL HAVE MIN 12" CLEAR STONE BEDDING. STONE PAID
UNDER ITEM 20218 CLEAR STONE



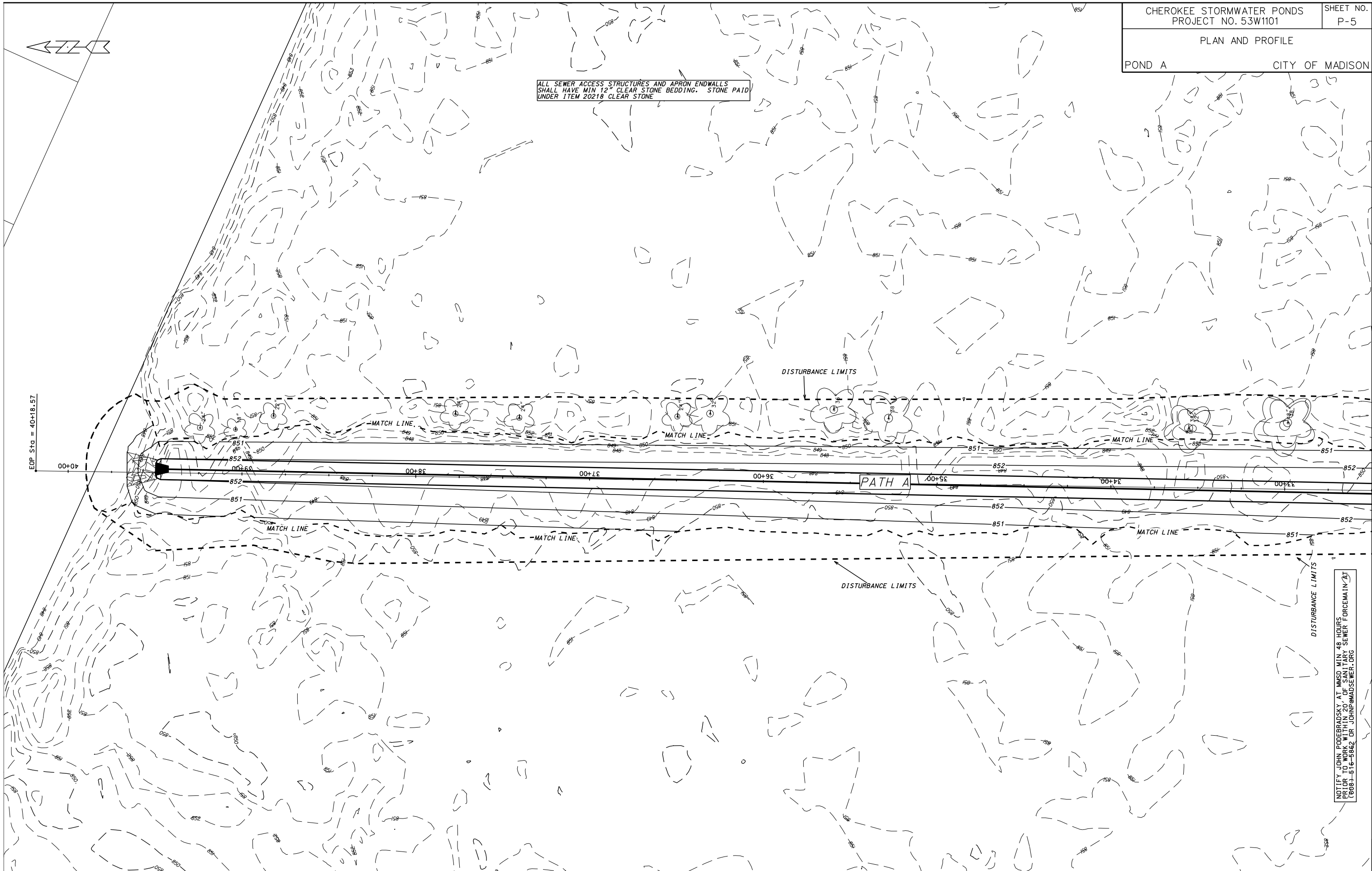
PLAN AND PROFILE

POND A CITY OF MADISON



ALL SEWER ACCESS STRUCTURES AND APRON ENDWALLS
SHALL HAVE MIN 12" CLEAR STONE BEDDING. STONE PAID
UNDER ITEM 20218 CLEAR STONE

EDP STA = 40+18.57



NOTIFY JOHN PODEBRADSKY AT MMSD MIN 48 HOURS
BEFORE ANY WORK BEGINS AT SEWER FORCEMAIN/ST
18681-516-5862 OR JOHNPO@MMSD.ORG

PLAN

POND B

CITY OF MADISON

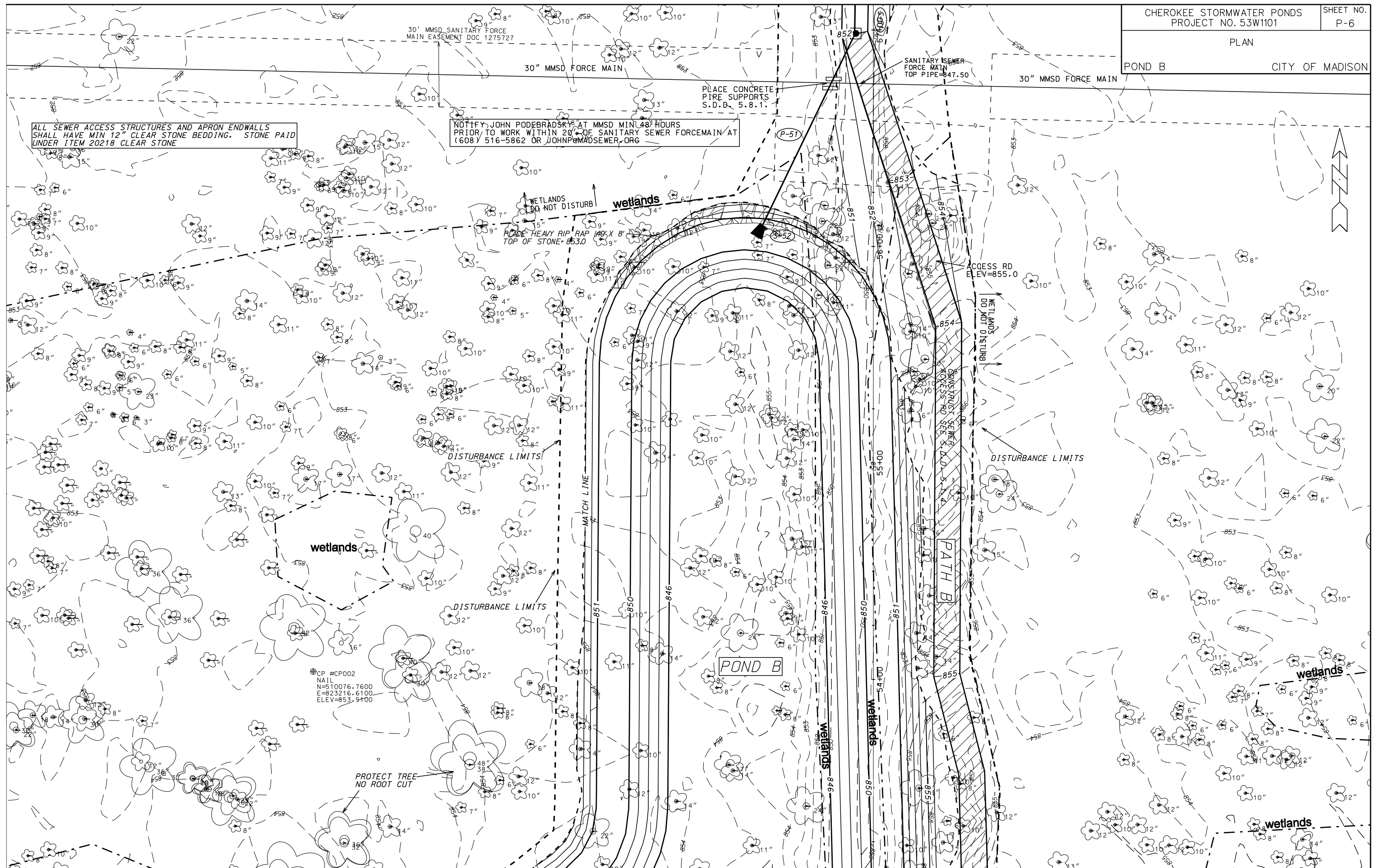
ALL SEWER ACCESS STRUCTURES AND APRON ENDWALLS
SHALL HAVE MIN 12" CLEAR STONE BEDDING. STONE PAID
UNDER ITEM 20218 CLEAR STONE

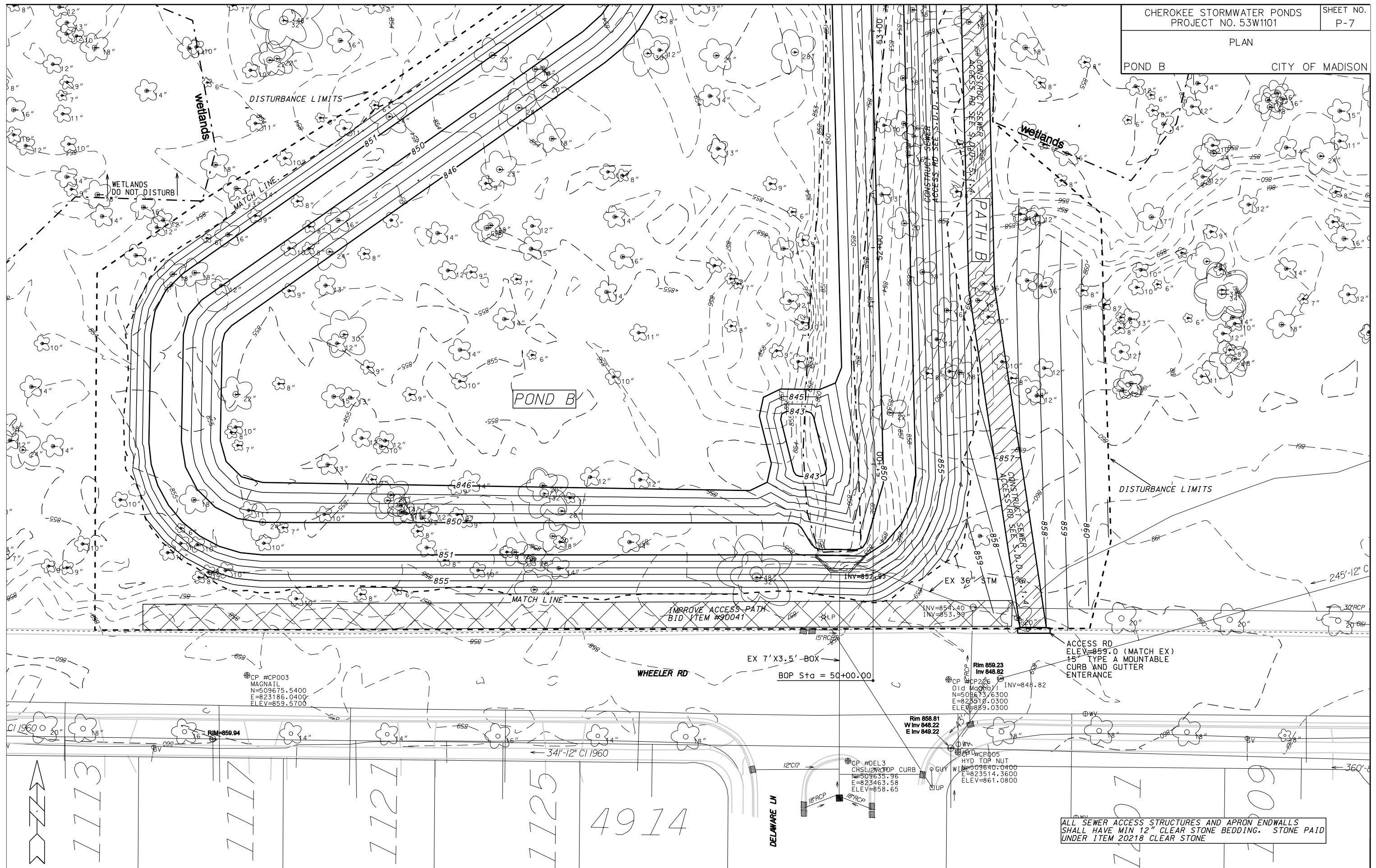
NOTIFY JOHN PODEBRADSKY AT MM5D MIN 48 HOURS
PRIOR TO WORK WITHIN 20' OF SANITARY SEWER FORCEMAIN AT
(608) 516-5862 OR JOHNPM@MADSEWER.ORG

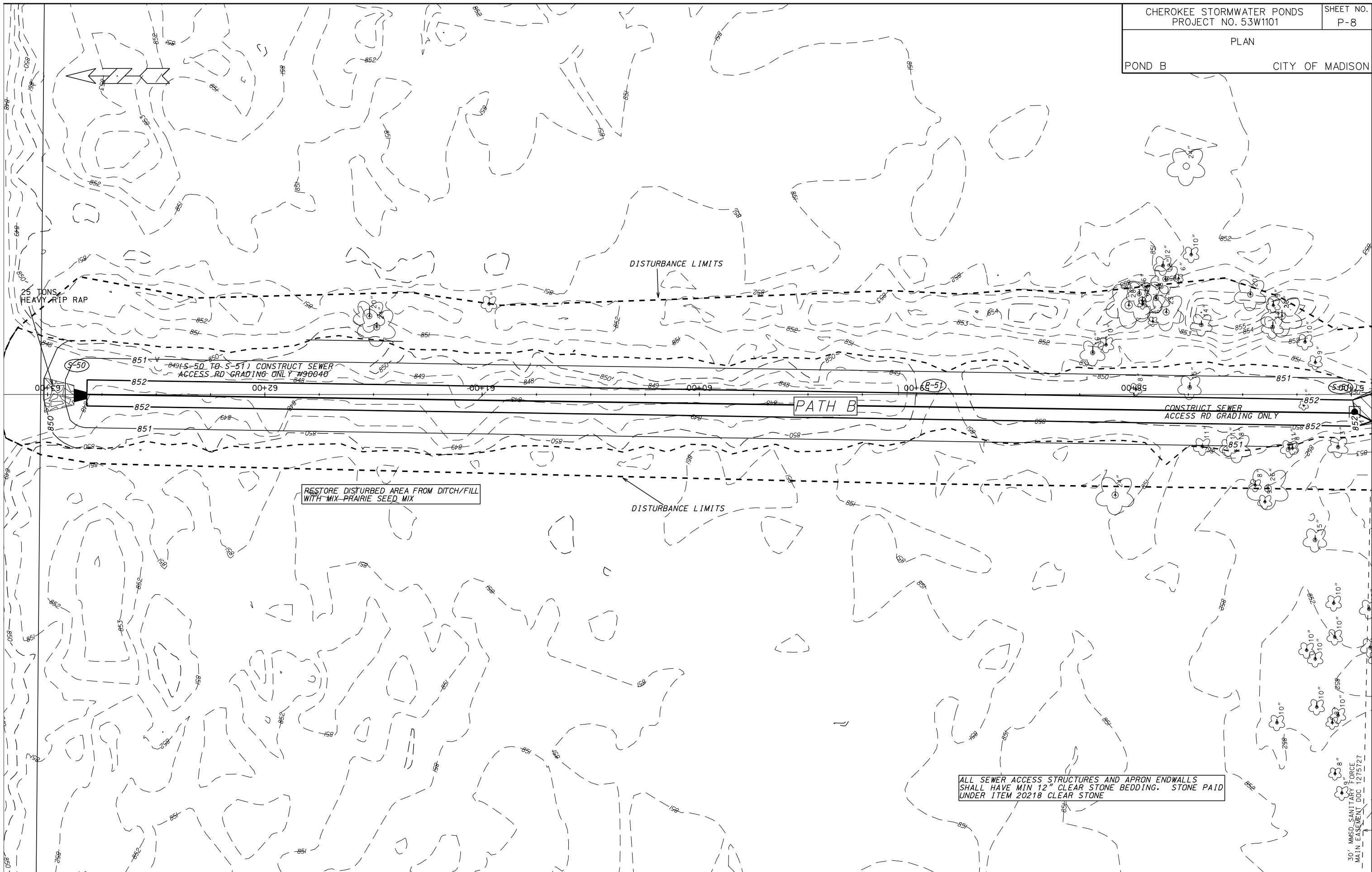
PLACE CONCRETE
PIPE SUPPORTS
S.D.D. 5.8.1.

SANITARY SEWER
FORCE MAIN
TOP PIPE=847.50

30" MMSD FORCE MAIN







ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"PA"= POND A
"PB"= POND B
"WA"= PATH A

CHEROKEE STORMWATER PONDS

PROJECT NO. 53W1101

SHEET NO.

P-9

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	13'B'+82.00	LT-63.00	48" STM AE	---	850.50	---	TWO ENDWALLS
S-2	25'B'+28.00	LT-10.20	12'X5' SAS	858.06	852.31	5.75	FP; (1)
S-3	25'B'+29.00	RT-49.80	H INLET	857.76	854.25	3.51	W/R-3067-004
S-4	25'B'+29.00	RT-53.40	H INLET	857.76	854.30	3.46	W/R-3067-004
S-8	4'B'+41.00	RT-8.00	36" RCP AE	---	851.50	---	END OF APRON STATIONED; W/GATE
S-9	4'B'+41.50	RT-0	36" RCP AE	---	851.50	---	END OF APRON STATIONED; W/GATE
S-10	4'B'+42.00	LT-7.80	36" RCP AE	---	851.50	---	END OF APRON STATIONED; W/GATE
S-11	2'B'+45.50	LT-8.00	36" STM 45DEG BEND	---	849.56	---	PLACE MARKER BALL
S-12	2'B'+40.00	RT-0	36" STM 45DEG BEND	---	849.56	---	PLACE MARKER BALL
S-13	2'B'+34.00	RT-8.00	36" STM 45DEG BEND	---	849.56	---	PLACE MARKER BALL
S-14	2'B'+20.00	LT-50.40	36" RCP AE	---	849.00	---	END OF APRON STATIONED; W/GATE
S-15	2'B'+13.00	LT-46.00	36" RCP AE	---	849.00	---	END OF APRON STATIONED; W/GATE
S-16	2'B'+04.00	LT-41.00	36" RCP AE	---	849.00	---	END OF APRON STATIONED; W/GATE
S-25	39'B'+40.00	RT-2.00	36" RCP AE	---	848.00	---	END OF APRON STATIONED; W/GATE
S-26	31'B'+52.00	LT-2.50	5X5 SAS	853.00	849.00	4.00	FP; (1)
S-27	9'B'+74.00	LT-331.00	36" RCP AE	---	851.50	---	END OF APRON STATIONED; W/GATE
S-50	62'B'+88.00	RT-0	36" RCP AE	---	848.00	---	END OF APRON STATIONED; W/GATE
S-51	56'U'+98.00	LT-8.50	5X5 SAS	853.00	849.00	4.00	FP; (1)
S-52	56'U'+05.00	LT-54.00	36" RCP AE	---	850.00	---	END OF APRON STATIONED; W/GATE

PIPES

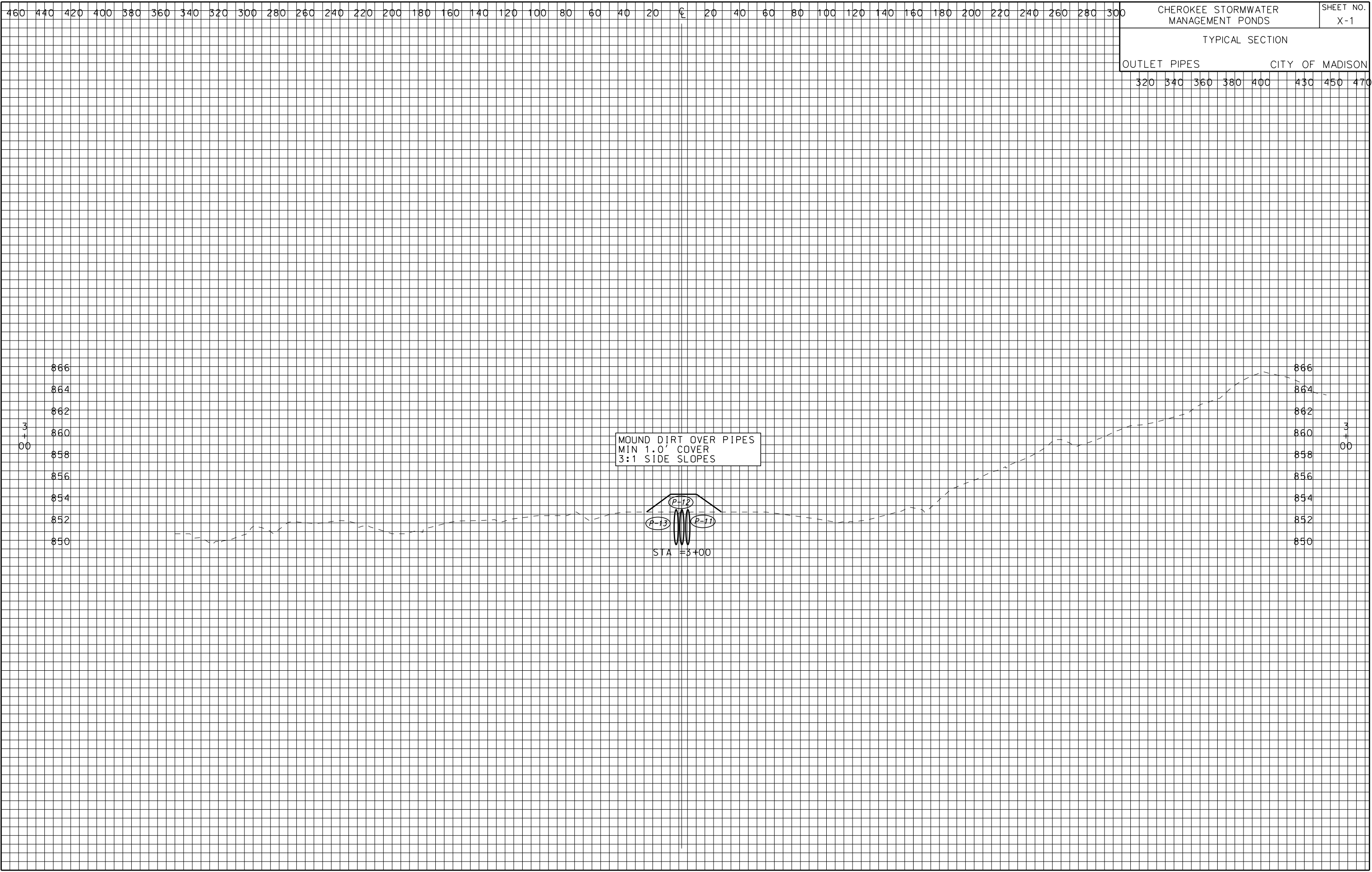
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-2	S-1	S-2	131	850.50	852.31	1.38%	48"	STM PIPE	TWIN PIPES
P-3	S-2	S-3	40	853.31	854.25	2.35%	18"	RCP	NCM
P-4	S-3	S-4	3	854.25	854.30	1.67%	12"	RCP	NCM
P-11	S-11	S-10	195	849.56	851.50	0.99%	36"	STM PIPE	
P-12	S-12	S-9	200	849.56	851.50	0.97%	36"	STM PIPE	
P-13	S-13	S-8	207	849.56	851.50	0.94%	36"	STM PIPE	
P-14	S-14	S-11	54	849.00	849.56	1.04%	36"	STM PIPE	
P-15	S-15	S-12	54	849.00	849.56	1.04%	36"	STM PIPE	
P-16	S-16	S-13	54	849.00	849.56	1.04%	36"	STM PIPE	
P-25	S-25	S-26	795	848.00	849.00	0.13%	36"	STM PIPE	
P-26	S-26	S-27	111	849.00	851.50	2.25%	36"	STM PIPE	
P-50	S-50	S-51	589	848.00	849.00	0.17%	36"	STM PIPE	
P-51	S-51	S-52	93	849.00	850.00	1.08%	36"	STM PIPE	

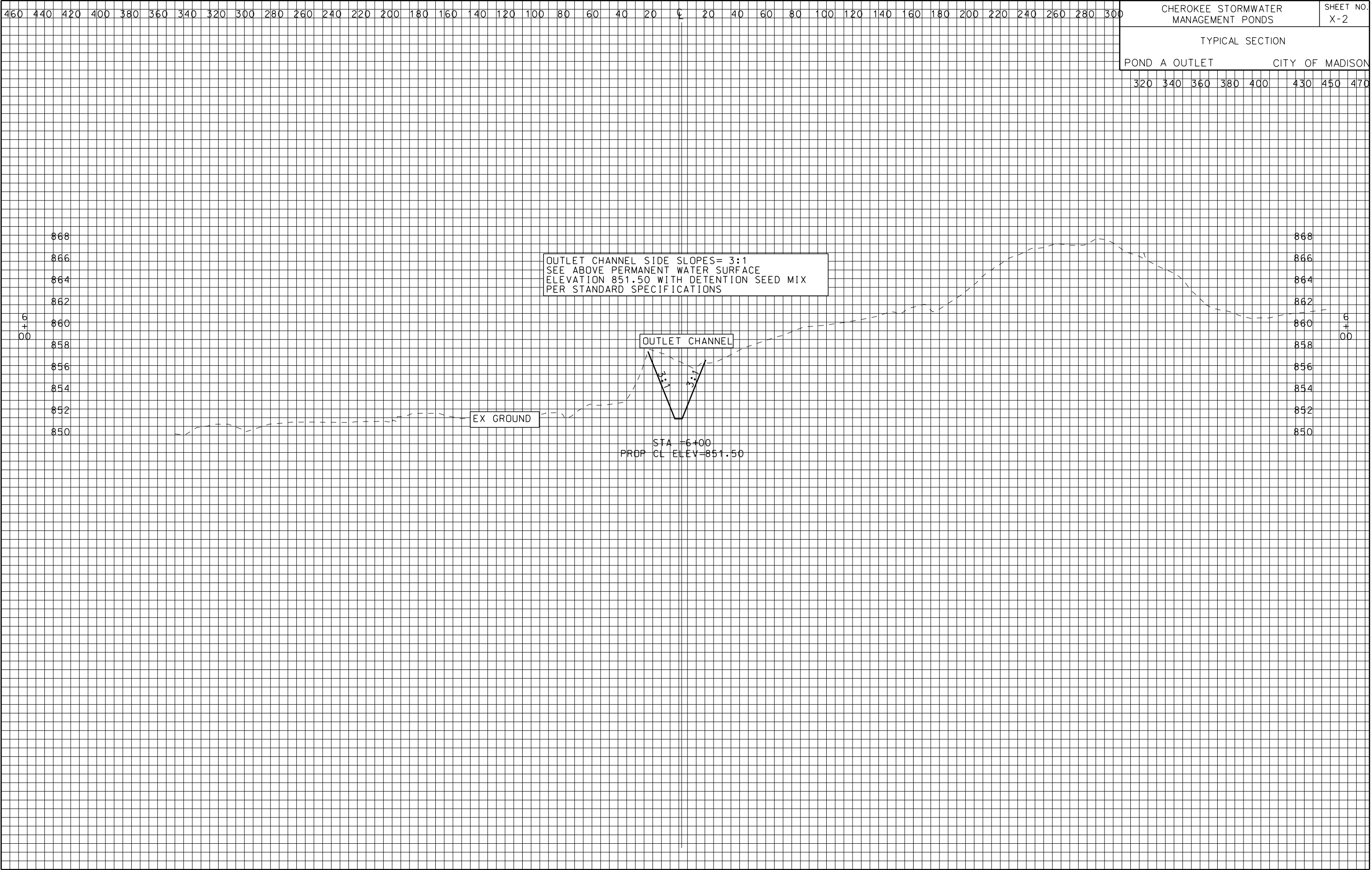
SPECIFIC NOTES

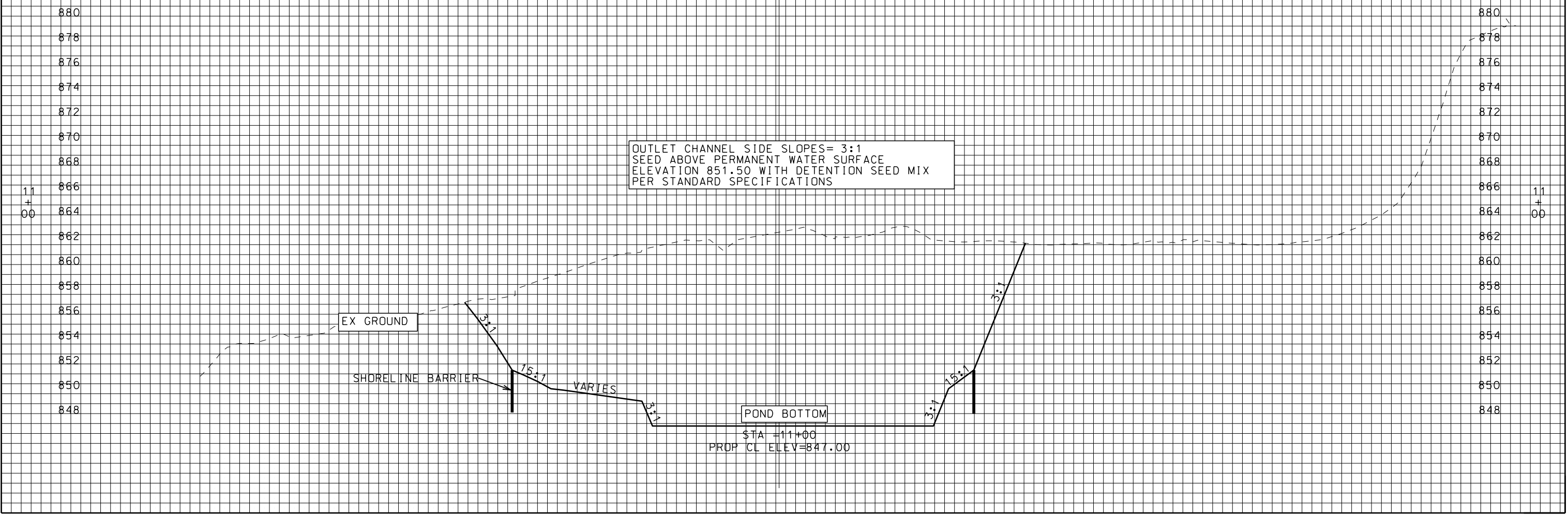
(1) STRUCTURE DEPTH REQUIRES PIPE WALLS MUST BE POURED INTO STRUCTURE ROOF

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
- 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 COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.







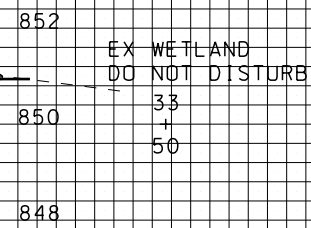
PLOT SCALE: _____

PLOT NAME: _____

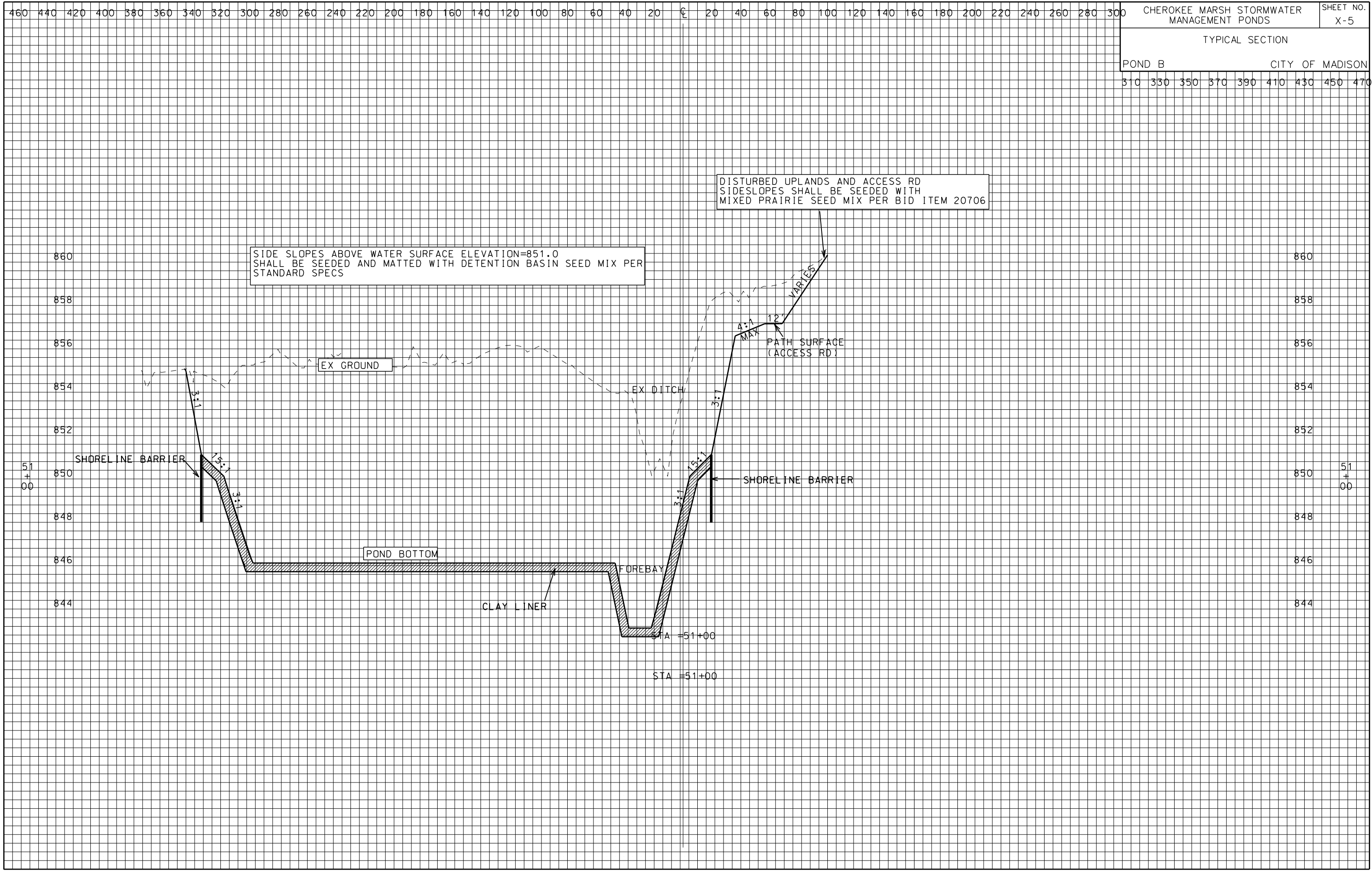
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CITY OF MADISON



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