



Lake Geneva Utility Commission

MUNICIPAL WATER AND WASTEWATER SERVICES

361 W Main Street
P.O. Box 187
Lake Geneva, WI 53147
262-248-2311
www.lgutilitycommission.com

Dennis Lyon – President
Josh Gajewski – Utility Director
Jeff Ecklund – Water Superintendent
Ken Bauman – Wastewater Superintendent

LAKE GENEVA UTILITY COMMISSION MONDAY JULY 18 2022 4:00 PM COUNCIL CHAMBERS - CITY HALL, 626 GENEVA STREET

CITY HALL WILL BE OPEN TO THE PUBLIC DURING ALL MEETINGS. MEETINGS WILL BE HELD VIRTUALLY AS WELL AS IN PERSON. IF YOU WISH TO LISTEN OR WATCH THE MEETING YOU MAY DO SO BY USING THE FOLLOWING:

1. Links to the Lake Geneva Utility Commission's live video stream can be found at www.cityoflakegeneva.com/video
2. Television: Watch live broadcast of the meeting on Spectrum Cable Channel 25
3. Listen to audio via phone: (602) 333-2017 (Long distance rates may apply) (888) 204-5987 (Toll Free) **Access Code: 9746153**

AGENDA

1. Call Meeting to Order
2. Roll Call
3. Comments from the public as allowed by Wis. Statutes §19.84 (2), limited to items on this agenda except for public hearing items. Comments will be limited to 5 minutes.
4. Approve Utility Commission Minutes from June 20, 2022 as prepared and distributed
5. Acknowledgement of Correspondence
6. Approval of June 2022 Financials
7. Approval of the June 2022 Bills
8. Directors Report
9. Discussion/Action on potential funding sources for Hauled Waste Receiving Facility project
10. Discussion/Action on the issuance of Owner Letter of Approval for water and sanitary sewer extensions for Phase 6 of the Symphony Bay Development
11. Discussion/Action on Pay Request #1 by Baker Glass, LLC for work completed on the Utility Office Window Replacement Project for the amount of \$41,000.00
12. Motion to go into closed session pursuant to Wis. Stat. 19.85(1)(c) considering employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body had jurisdiction or exercises responsibility, specifically regarding the selection of a firm to perform engineering services
13. Motion to return to open session pursuant to Wis. Stat. 19.85(2) and take action on any items discussed in closed session
14. Adjourn

Lake Geneva Utility Commission Minutes
Lake Geneva Utility Commission Meeting
Monday June 20, 2022, 4:00pm
Council Chambers, City Hall – 626 Geneva St

THIS MEETING WAS HELD BOTH VIRTUALLY AND IN PERSON

Call Meeting to Order – Lyon called the meeting to order at 4:00pm

Roll Call – Lyon, Howell, Hedlund, Nord, Binn & Stanczak. Klein arrived at 4:03pm.

Staff in Attendance – Gajewski & Busch

Comments from the public as allowed by Wis. Statutes §19.84 (2), limited to items on this agenda except for public hearing items. Comments will be limited to 5 minutes.

None

Approve Utility Commission minutes from May 16, 2022, as prepared & distributed
Binn/Hedlund motion to approve. Passed 6-0.

Acknowledgement of correspondence

Gajewski reported that he received correspondence from the WI DNR regarding a change to EPA Health Advisory Levels for PFAS compounds including PFOA & PFOS. There are no regulatory limits at this time, but we will be doing voluntary testing in July.

Klein arrived at 4:03pm.

Gajewski also reported that the WI DOT had written to us regarding the Highway 50 project. They are recommending that we complete the utility work as a separate project ahead of their scheduled Highway 50 project.

Approval of the May 2022 Financials

Binn/Hedlund motion to approve. Passed unanimously.

Approval of the May 2022 Bills

Howell/Binn motion to approve. Passed unanimously.

Directors Report

Gajewski reviewed the submitted Director's report and discussion was had on the timeline for the hydrant painting project currently underway.

Hedlund/Stanczak motion to approve the Director's Report. Passed unanimously.

Presentation of 2021 Lake Geneva Utility Commission Annual Financial Report and Management Letter by Brian Anderson, CPA – Wipfli LLP

Brian Anderson from Wipfli LLP, appeared via zoom and gave an overview of the completed Utility audit. He stated that the audit was performed without issue, they had no concerns and staff were very helpful and easy to work with.

Howell/Stanczak motion to accept the 2021 Annual Financial Report and Management Letter from Wipfli LLP. Passed unanimously.

Discussion/Action on proposal by T-Mobile/Sprint for alterations to facilities at the Dodge St. Tower

In February, the Commission voted to affirm the recommendations of Dixon Engineering's review letter to T-Mobile/Sprint. T-Mobile/Sprint have since amended their project documents and resubmitted them

to Dixon Engineering who have approved them. Staff recommend authorizing the owner letter of approval.

Hedlund/Stanzcak motion to approve the issuance of an Owner Letter of Approval for the proposed equipment alterations by T-Mobile/Sprint at the Dodge Street Tower. Passed unanimously.

Discussion/Action on quote for replacement of Influent Pump #2 - WWTP

Gajewski explained that this replacement was in the 2022 Budget and the current pump has been rebuilt twice already. If we do a like for like replacement, we do not need a DNR review.

Binn/Klein motion to purchase a replacement pump from Xylem Water Solutions as quoted. Passed unanimously.

Discussion/Action on 2021 Compliance Maintenance Annual Report (CMAR) and Resolution 2022-01

Gajewski explained that the CMAR is an annual report submitted to the DNR and generated from the collection system and treatment plant. We have an ongoing issue with the groundwater section of this report. Unlike the majority of treatment plants who discharge to surface water, we discharge to groundwater at the seepage cells on the corner of Highway 12 & 50. One of the standards that we are required to meet is for chlorides, but we routinely find that our effluent exceeds the 250mg/L limit. Back in 2018 we adopted a Source Reduction Plan in an effort to be compliant and continue to look for ways to lower our chloride levels. Discussion was had on what contributes to the chloride levels and what the options are for source reduction. The largest contributor is water softeners, and we already offer a rebate if you switch from a time-based softener to a usage based one. Some communities do soften their own water, but it is costly to do that. We have already reached out to the largest users of our systems to educate them on the problem and work with them on reduction measures. Gajewski explained that the WPDES discharge permit is valid for five years and we are beginning the renewal process now.

Binn/Hedlund motion to approve the 2021 CMAR report and resolution 2022-01 as drafted. Passed unanimously.

Review of 2021 Consumer Confidence Report

Gajewski explained that the CCR is an annual report that we are required to publish in the newspaper and make available to our customers. It details what has been found in our drinking water and what the health effect of any of the found contaminants are. This report is available on our website, in our office, at City Hall and in the Lake Geneva Public Library. Review item only – no action taken.

Discussion/Action on issuing a Notice of Violation pursuant to City of Lake Geneva Municipal Code of Ordinance Sec. 78-252, issued to 1121 S Lakeshore – Unit #5.

Gajewski gave the history of this location and the reasons why a notice of violation is required.

Discussion followed. The city attorney has been consulted. Discussions were had about enforcement options.

Binn/Nord motion to issue a notice of violation and to continue working with the City Attorney. Passed unanimously.

Adjourn

Hedlund/Binn motion to adjourn at 4:52pm. Passed unanimously.

/s/ Jo Busch, Office Manager

**THESE MINUTES ARE NOT OFFICIAL UNTIL APPROVED BY THE
LAKE GENEVA UTILITY COMMISSION**

LAKE GENEVA UTILITY COMMISSION

BUDGET COMPARISON THRU:

6 / 2022

FUND 61 - WASTEWATER UTILITY

REVENUES	Current Period	YTD	2022 Budget	YTD vs Budget	YTD % of Budget 50.0%	Prior YTD 2021	Prior YTD 5 Year Avg.
INTEREST EARNED	3,832	8,376	10,300	-1,924	81.32%	1,046	9,211
CUSTOMER SALES	439,767	957,967	2,102,450	-1,144,483	45.56%	959,659	849,940
OTHER REVENUE	792	5,195	10,725	-5,530	48.44%	5,492	3,493
CAPITAL CONTRIBUTIONS	21,634	67,140	186,500	-119,360	36.00%	85,417	70,788
TOTAL REVENUES	466,025	1,038,678	2,309,975	-1,271,297	44.96%	1,051,614	933,431
EXPENSES							
TOTAL OUTSIDE SERVICES	27,835	133,674	392,025	-258,351	34.10%	122,820	122,635
TOTAL OPERATING EXPENSES	2,554	14,261	43,350	-29,089	32.90%	14,761	13,739
TOTAL INSURANCE	7,321	14,641	29,900	-15,259	48.97%	13,637	12,362
TOTAL SALARY & BENEFITS	40,911	276,159	603,797	-327,638	45.74%	232,951	260,594
TOTAL LAB SUPPLIES	326	16,913	22,600	-5,687	74.84%	6,250	5,384
TOTAL MISCELLANEOUS EXPENSE	0	59	1,000	-941	5.86%	54	814
TOTAL MAINTENANCE	11,847	25,069	404,200	-379,131	6.20%	84,845	60,997
TOTAL OPERATION & MAINTENANCE EXPENSES	90,793	480,776	1,496,872	-1,016,096	32.12%	475,319	476,527
REVENUES OVER O&M EXPENSES	375,232	557,901	813,103	-255,202		576,296	456,905
TOTAL CAPITAL OUTLAY	0	30,361	1,395,500	-1,365,139	2.18%	22,725	62,878
REVENUES OVER TOTAL EXPENSES	375,232	527,540	-582,397	1,109,937		553,571	394,027
TOTAL CASH TRANSFERS	0	786,536	-587,150	1,373,686	-133.96%	863,037	325,040
NET CHANGE IN CASH BALANCE	375,232	-258,996	4,753	-263,749		-309,466	68,987

FUND CASH AND INVESTMENT SUMMARY	<u>Opening Balance</u>	<u>Period Activity</u>	<u>Ending Balance</u>
Wastewater Utility Fund Cash	386,804	-40,313	346,491
LGIP #10 - Capital Project Fund	2,522,406	2,027	2,524,433
LGIP #11 - Debt Service Fund	0	0	0
LGIP #12 - Impact Fee Fund	1,092,393	878	1,093,271
LGIP #13 - Equipment Replacement Fund	1,153,670	927	1,154,597
TOTAL WASTEWATER CASH AND INVESTMENT	5,155,273	-36,481	5,118,792

LAKE GENEVA UTILITY COMMISSION

BUDGET COMPARISON THRU:

6 / 2022

FUND 62 - WATER UTILITY

REVENUES	Current Period	YTD	2022 Budget	YTD vs Budget	YTD % of Budget 50.0%	Prior YTD 2021	Prior YTD 5 Year Avg.
INTEREST EARNED	2,162	4,630	3,275	1,355	141.38%	506	4,320
CUSTOMER SALES	406,303	855,657	1,815,347	-959,690	47.13%	860,809	806,667
OTHER REVENUE	10,080	256,221	294,401	-38,180	87.03%	250,305	225,636
CAPITAL CONTRIBUTIONS	19,604	60,840	169,000	-108,160	36.00%	77,402	60,065
TOTAL REVENUES	438,149	1,177,348	2,282,023	-1,104,675	51.59%	1,189,022	1,096,688
EXPENSES							
TOTAL SOURCE OF SUPPLY - OPERATION	5,291	27,300	59,000	-31,700	46.27%	24,454	25,692
TOTAL SOURCE OF SUPPLY - MAINTENANCE	2,023	5,351	9,600	-4,249	55.74%	2,864	5,927
TOTAL PUMPING EXPENSE - OPERATION	5,595	30,531	74,350	-43,819	41.06%	29,422	33,068
TOTAL PUMPING EXPENSE - MAINTENANCE	331	1,967	25,700	-23,733	7.66%	48,955	14,030
TOTAL WATER TREATMENT - OPERATION	9,912	44,329	96,950	-52,621	45.72%	38,218	40,619
TOTAL WATER TREATMENT - MAINTENANCE	5,371	34,058	64,700	-30,642	52.64%	56,066	41,058
TOTAL TRANS. & DISTRIBUTION - OPERATION	2,226	20,504	47,800	-27,296	42.90%	21,155	20,670
TOTAL TRANS. & DISTRIBUTION - MAINTENANCE	21,456	111,963	254,350	-142,387	44.02%	74,706	66,582
TOTAL CUSTOMER ACCOUNTS	4,783	32,252	67,150	-34,898	48.03%	29,581	31,721
TOTAL ADMIN & GENERAL OPERATIONS	49,664	224,157	446,413	-222,256	50.21%	176,172	184,732
TOTAL OTHER EXPENSES	25,000	150,000	305,000	-155,000	49.18%	150,000	103,083
TOTAL OPERATION & MAINTENANCE EXPENSES	131,651	682,412	1,451,013	-768,601	47.03%	651,594	567,183
REVENUES OVER O&M EXPENSES	306,498	494,937	831,010	-336,073		537,428	529,506
TOTAL CAPITAL OUTLAY	9,252	20,098	435,100	-415,002	4.62%	52,784	174,481
REVENUES OVER TOTAL EXPENSES	297,246	474,839	395,910	78,929		484,644	355,025
TOTAL CASH TRANSFERS	0	493,416	390,000	103,416	126.52%	592,122	-52,517
NET CHANGE IN CASH BALANCE	297,246	-18,577	5,910	-24,487		-107,478	407,542

FUND CASH AND INVESTMENT SUMMARY	<u>Opening Balance</u>	<u>Period Activity</u>	<u>Ending Balance</u>
Water Utility Fund Cash	358,208	-66,395	291,812
LGIP #1 - Capital Project Fund	1,633,439	1,313	1,634,752
LGIP #2 - Impact Fee Fund	475,145	382	475,527
LGIP #3 - Equipment Replacement Fund	581,039	467	581,506
TOTAL WATER FUND CASH AND INVESTMENT	3,047,830	-64,234	2,983,597

Report Criteria:

Detail report.

Invoices with totals above \$5000.00 included.

Paid and unpaid invoices included.

Invoice Detail.GL account (2 Characters) = "61","62"

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
61				
XYLEM WATER SOLUTIONS USA				
3556C30375	06/28/2022	REPLACE INF PUMP #2	61-00-00-18550 PLANT SITE PUMPING	25,854.00
Total XYLEM WATER SOLUTIONS USA:				25,854.00
ALLIANT ENERGY				
280954000022	07/01/2022	HASKINS ST SEWER PLANT	61-00-00-52520 UTILITY-ELECTRICITY-PLANT	13,553.14
Total ALLIANT ENERGY:				13,553.14
CIVIC SYSTEMS LLC				
CVC22147	06/27/2022	CIVIC SUP FEES-JAN-JUN 2022	61-00-00-52660 OUTSIDE SERVICES EMPLOYED	2,191.25
Total CIVIC SYSTEMS LLC:				2,191.25
UNITED LABORATORIES				
INV352655	06/29/2022	LIFT/ZYME-LIFT STATION MAIN	61-00-00-93800 MAINT-LIFT STATIONS	9,301.20
Total UNITED LABORATORIES:				9,301.20
Total 61:				50,899.59
62				
MARTELLE WATER TREATMENT				
23494	06/08/2022	SODIUM HYPOCHLORITE	62-00-00-60200 CHEMICALS	1,310.77
Total MARTELLE WATER TREATMENT:				1,310.77
ALLIANT ENERGY				
576425000022	07/01/2022	MAIN ST ENGINE ROOM	62-00-00-62300 PUMPING POWER PURCHASED	5,385.43
Total ALLIANT ENERGY:				5,385.43
MARTELLE WATER TREATMENT				
23494	06/08/2022	HYDROFLUOSILICIC ACID, CHL	62-00-00-64100 CHEMICALS	6,810.85
Total MARTELLE WATER TREATMENT:				6,810.85
HUMPHREYS CONTRACTING				
HUMPHREYS0	06/15/2022	DODGE TOWER CONCRETE W	62-00-00-67200 RESERVOIR & STANDPIPES	10,505.00
Total HUMPHREYS CONTRACTING:				10,505.00
ASPHALT CONTRACTORS INC				
22292	06/29/2022	ASPHALT PATCHING & MAIN RE	62-00-00-67300 MAINT OF MAINS & VALVES	10,468.00
22292	06/29/2022	ASPHALT PATCHING & MAIN RE	62-00-00-67500 MAINT SERVICES & CURB BOX	1,124.00
Total ASPHALT CONTRACTORS INC:				11,592.00

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
CIVIC SYSTEMS LLC				
CVC22147	06/27/2022	CIVIC SUP FEES-JAN-JUN 2022	62-00-00-92300 OUTSIDE SERVICES EMPLOYED	2,191.25
Total CIVIC SYSTEMS LLC:				2,191.25
Total 62:				37,795.30
Grand Totals:				88,694.89

Dated: _____

Mayor: _____

City Council: _____

City Recorder: _____

Report Criteria:

Detail report.

Invoices with totals above \$5000.00 included.

Paid and unpaid invoices included.

Invoice Detail.GL account (2 Characters) = "61","62"

Report Criteria:

Detail report.

Invoices with totals above \$0.00 included.

Paid and unpaid invoices included.

Invoice Detail.GL account (2 Characters) = "61","62"

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
61				
S.J. ELECTRO SYSTEMS LLC (SJE)				
CD99430765	04/26/2022	PROCESS EQUIP UPGRADE-SC	61-00-00-10700 CONSTRUCTION WORK IN PROCESS	1,600.00
CD99430768	04/26/2022	PROCESS EQUIP UPGRADE-W	61-00-00-10700 CONSTRUCTION WORK IN PROCESS	4,800.00
Total S.J. ELECTRO SYSTEMS LLC (SJE):				6,400.00
STRAND ASSOCIATES INC				
0184918	06/13/2022	PROF SVCS 3/1/2022-5/31/2022-	61-00-00-10700 CONSTRUCTION WORK IN PROCESS	1,329.92
Total STRAND ASSOCIATES INC:				1,329.92
XYLEM WATER SOLUTIONS USA				
3556C30375	06/28/2022	REPLACE INF PUMP #2	61-00-00-18550 PLANT SITE PUMPING	25,854.00
Total XYLEM WATER SOLUTIONS USA:				25,854.00
NORTHERN LAKE SERVICE INC				
420137	06/16/2022	WEEKLY NITROGEN TESTING	61-00-00-52100 LABORATORY SERVICES	244.94
420395	06/22/2022	WEEKLY NITROGEN TESTING	61-00-00-52100 LABORATORY SERVICES	244.94
421009	07/05/2022	WEEKLY NITROGEN TESTING	61-00-00-52100 LABORATORY SERVICES	264.37
421081	07/06/2022	2ND QUARTER 2022 SLUDGE T	61-00-00-52100 LABORATORY SERVICES	699.46
421082	07/06/2022	2ND QUARTER 2022 MW TESTI	61-00-00-52100 LABORATORY SERVICES	1,541.63
421298	07/11/2022	WEEKLY NITROGEN TESTING	61-00-00-52100 LABORATORY SERVICES	244.94
421553	07/14/2022	WEEKLY NITROGEN TESTING	61-00-00-52100 LABORATORY SERVICES	244.94
Total NORTHERN LAKE SERVICE INC:				3,485.22
WE ENERGIES				
4176805557	06/13/2022	LAGRANGE DR LIFT STN	61-00-00-52505 UTILITY-GAS-COLLECTION SYSTEM	22.86
4177436198	06/14/2022	BIG FOOT LIFT STATION	61-00-00-52505 UTILITY-GAS-COLLECTION SYSTEM	17.07
4208255444	07/08/2022	EDGEWOOD DR LIFT STN	61-00-00-52505 UTILITY-GAS-COLLECTION SYSTEM	12.28
Total WE ENERGIES:				52.21
ALLIANT ENERGY				
143875000022	07/01/2022	191 HASKINS ST DEWATER BLD	61-00-00-52520 UTILITY-ELECTRICITY-PLANT	264.33
280954000022	07/01/2022	HASKINS ST SEWER PLANT	61-00-00-52520 UTILITY-ELECTRICITY-PLANT	13,553.14
507753000022	07/01/2022	361 W MAIN ST SIGN	61-00-00-52520 UTILITY-ELECTRICITY-PLANT	28.89
974671000022	07/01/2022	361 MAIN ST HALLWAY	61-00-00-52520 UTILITY-ELECTRICITY-PLANT	179.43
055361000022	07/01/2022	361 MAIN ST CC LIFT	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	67.41
141180000022	07/01/2022	LAGRANGE DR LIFT STN	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	154.26
277971000022	07/01/2022	MARIANE TER LIFT STN	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	39.32
307955000022	07/01/2022	MAXWELL ST LIFT STN	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	28.08
327113000022	07/01/2022	BAYVIEW DR LIFT STN	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	33.62
599411000022	07/01/2022	361 STATE ROAD 120 BIG FOOT	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	225.15
962961000022	07/01/2022	EDGEWOOD DR LIFT STN	61-00-00-52525 UTILITY-ELECTRICITY-COLL SYS	175.34
Total ALLIANT ENERGY:				14,748.97

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
CIVIC SYSTEMS LLC				
CVC22147	06/27/2022	CIVIC SUP FEES-JAN-JUN 2022	61-00-00-52660 OUTSIDE SERVICES EMPLOYED	2,191.25
Total CIVIC SYSTEMS LLC:				2,191.25
AMAZON CAPITAL SERVICES				
89C4-MAY 202	06/01/2022	WW COMPUTER RAM	61-00-00-53050 COMPUTER EXPENSE	94.98
Total AMAZON CAPITAL SERVICES:				94.98
S.J. ELECTRO SYSTEMS LLC (SJE)				
CD99440551	06/30/2022	COMPUTER NETWORK MAINT-	61-00-00-53050 COMPUTER EXPENSE	1,366.00
Total S.J. ELECTRO SYSTEMS LLC (SJE):				1,366.00
CHARTER COMMUNICATIONS				
012395106112	06/11/2022	INTERNET SVC JUN	61-00-00-53100 OFFICE SUPPLIES EXPENSE	79.98
Total CHARTER COMMUNICATIONS:				79.98
MARTIN BUSINESS GROUP				
1287337	06/20/2022	SERVICE CONTRACT/COPIES	61-00-00-53100 OFFICE SUPPLIES EXPENSE	102.31
Total MARTIN BUSINESS GROUP:				102.31
AT&T				
262248865606	06/13/2022	JUNE TELEPHONE	61-00-00-53110 TELEPHONE EXPENSE	114.35
Total AT&T:				114.35
AT&T LONG DISTANCE				
MAY-2022	06/04/2022	262-248-2394 MAY	61-00-00-53110 TELEPHONE EXPENSE	.04
Total AT&T LONG DISTANCE:				.04
FIRST NATIONAL BANK OF OMAHA				
554328621752	06/24/2022	VONAGE PHONE SVC 6/23/2022	61-00-00-53110 TELEPHONE EXPENSE	130.82
Total FIRST NATIONAL BANK OF OMAHA:				130.82
BAUMAN, KEN				
BAUMAN07112	07/11/2022	REIMB WI WASTEWATER OPER	61-00-00-53200 MEMBERSHIP FEES	60.00
Total BAUMAN, KEN:				60.00
FURGER, DEREK				
FURGER07012	07/01/2022	MEAL REIMBURSEMENT	61-00-00-53310 MEALS, LODGING, ETC	13.52
FURGER06282	06/28/2022	CEUS-WASTEWATER MICROBI	61-00-00-53320 CONFERENCES & SCHOOL	106.05
Total FURGER, DEREK:				119.57
WI DEPT OF NATURAL RESOURCES				
265003750-20	05/23/2022	ANNUAL ENVIRONMENTAL FEE	61-00-00-54100 LAB CERTIFICATION EXPENSE	2,593.97
Total WI DEPT OF NATURAL RESOURCES:				2,593.97

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
CULLIGAN OF BURLINGTON				
500X02788905	06/30/2022	LAB WATER	61-00-00-64000 LABORATORY SUPPLIES	212.06
Total CULLIGAN OF BURLINGTON:				212.06
USA BLUE BOOK				
020287	06/21/2022	BUFFER BLUE/BUFFER YELLO	61-00-00-64000 LABORATORY SUPPLIES	326.03
Total USA BLUE BOOK:				326.03
AURORA HEALTH CARE				
908290-1	05/08/2022	DOT DRUG SCREENS-GAJEWS	61-00-00-92600 EMPLOYEE BENEFITS	25.00
Total AURORA HEALTH CARE:				25.00
SECURIAN FINANCIAL GROUP				
AUG LIFE INS	07/07/2022	AUG LIFE INS 2022	61-00-00-92630 LIFE INSURANCE EXPENSE	8.06
JUL LIFE	06/23/2022	JUL LIFE 2022	61-00-00-92630 LIFE INSURANCE EXPENSE	8.06
Total SECURIAN FINANCIAL GROUP:				16.12
HOME DEPOT CREDIT				
5023915	06/21/2022	MAINT ON A/C UNIT-PIPE INSUL	61-00-00-93500 MAINT-LAB BLDG	8.29
Total HOME DEPOT CREDIT:				8.29
PECK & WEIS HEATING & COOLING				
I-52133-1	06/20/2022	HVAC SERVICE-LAB/OFFICE M	61-00-00-93500 MAINT-LAB BLDG	140.00
I-52133-2	06/20/2022	HVAC SVC-LOW REFRIGERANT	61-00-00-93500 MAINT-LAB BLDG	125.00
Total PECK & WEIS HEATING & COOLING:				265.00
CERTIFIED LABORATORIES				
7845377	06/30/2022	OXIDATION DITCH MAINT	61-00-00-93603 MAINT-PROCESS EQUIP	967.73
Total CERTIFIED LABORATORIES:				967.73
HOME DEPOT CREDIT				
2024445	06/24/2022	ALL THREAD-STEEL ROD	61-00-00-93603 MAINT-PROCESS EQUIP	15.98
2970772	06/24/2022	CHAIN HOIST	61-00-00-93603 MAINT-PROCESS EQUIP	99.32
Total HOME DEPOT CREDIT:				115.30
USA BLUE BOOK				
020287	06/21/2022	GASKETS-PROCESS EQUIPME	61-00-00-93603 MAINT-PROCESS EQUIP	26.34
Total USA BLUE BOOK:				26.34
DUNN LUMBER				
1132664	07/01/2022	VEHICLE WASH BRUSH-SHOP	61-00-00-93700 MAINT-VEHICLES & EQUIP	12.53
1136243	07/07/2022	DRILL BITS-SHOP TOOLS	61-00-00-93700 MAINT-VEHICLES & EQUIP	10.17
Total DUNN LUMBER:				22.70
ITU ABSORB TECH INC				
7937070	06/24/2022	SHOP RAGS	61-00-00-93700 MAINT-VEHICLES & EQUIP	32.20

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
Total ITU ABSORB TECH INC:				32.20
UNITED LABORATORIES				
INV352655	06/29/2022	LIFT/ZYME-LIFT STATION MAIN	61-00-00-93800 MAINT-LIFT STATIONS	9,301.20
Total UNITED LABORATORIES:				9,301.20
DIGGERS HOTLINE				
220 6 39101 P	06/30/2022	JUL 2022 2ND PREPYMT-1,015	61-00-00-93810 MAINT-MAINS	541.33
Total DIGGERS HOTLINE:				541.33
ALLIANT ENERGY				
252422000022	07/01/2022	E STATE ROAD 50 GATE	61-00-00-93820 MAINT-RECEIVING STATION	17.53
Total ALLIANT ENERGY:				17.53
ADAMS, ANDREW J				
284	07/10/2022	MOWING SEEPAGE CELLS	61-00-00-93830 MAINT-SEEPAGE CELLS/POND	1,440.00
Total ADAMS, ANDREW J:				1,440.00
ADAMS, DAVID J				
143	07/10/2022	CHISEL PLOWING SEEPAGE CE	61-00-00-93830 MAINT-SEEPAGE CELLS/POND	1,440.00
Total ADAMS, DAVID J:				1,440.00
ALLIANT ENERGY				
054885000022	07/01/2022	E STATE ROAD 50 SEEPAGE	61-00-00-93830 MAINT-SEEPAGE CELLS/POND	135.41
Total ALLIANT ENERGY:				135.41
FAHRNER ASPHALT SEALERS LLC				
8300012281FI	07/12/2022	PARKING LOT CRACK FILLING	61-00-00-93910 MAINTENANCE-OTHER	781.25
Total FAHRNER ASPHALT SEALERS LLC:				781.25
FASTENAL COMPANY				
WIELK171750	06/15/2022	SHOP STOCK-CABLE TIES, NUT	61-00-00-93910 MAINTENANCE-OTHER	158.69
Total FASTENAL COMPANY:				158.69
Total 61:				74,555.77
62				
CORE & MAIN LP				
Q667459	04/11/2022	WEDDING RINGS	62-00-00-15000 MATERIAL-SUPPLIES	274.21
R013146	06/10/2022	REDUCERS COUPLINGS/SERVI	62-00-00-15000 MATERIAL-SUPPLIES	192.73
R065511	06/20/2022	WEDDING RINGS	62-00-00-15000 MATERIAL-SUPPLIES	274.21
R113401	06/24/2022	METERS-NEW	62-00-00-34600 METERS	1,200.00
Total CORE & MAIN LP:				1,392.73
MARTELLE WATER TREATMENT				
23494	06/08/2022	SODIUM HYPOCHLORITE	62-00-00-60200 CHEMICALS	1,310.77

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
Total MARTELLE WATER TREATMENT:				1,310.77
ALLIANT ENERGY				
145511000022	07/01/2022	361 MAIN ST WELL 2	62-00-00-60300 MISC EXPENSES & UTILITY	1,004.32
327391000022	07/01/2022	WAVERLY ST WELL 4	62-00-00-60300 MISC EXPENSES & UTILITY	658.60
348370000022	07/01/2022	WAVERLY ST WELL 3	62-00-00-60300 MISC EXPENSES & UTILITY	786.66
972745000022	07/05/2022	HASKINS ST WELL 5	62-00-00-60300 MISC EXPENSES & UTILITY	821.38
Total ALLIANT ENERGY:				3,270.96
HOME DEPOT CREDIT				
7011440	06/09/2022	CAULK, WEATHER STRIPPING-	62-00-00-61100 STRUCTURE & IMPRVMT	28.02
Total HOME DEPOT CREDIT:				28.02
ALLIANT ENERGY				
347962000022	07/01/2022	DODGE ST BOOSTER	62-00-00-62300 PUMPING POWER PURCHASED	195.90
576425000022	07/01/2022	MAIN ST ENGINE ROOM	62-00-00-62300 PUMPING POWER PURCHASED	5,385.43
717061000022	07/01/2022	1401 CENTER ST BOOSTER	62-00-00-62300 PUMPING POWER PURCHASED	268.92
Total ALLIANT ENERGY:				5,850.25
WE ENERGIES				
4173196281	06/09/2022	CENTER ST BOOSTER STN	62-00-00-62300 PUMPING POWER PURCHASED	20.81
Total WE ENERGIES:				20.81
MARTELLE WATER TREATMENT				
23494	06/08/2022	HYDROFLUOSILICIC ACID, CHL	62-00-00-64100 CHEMICALS	6,810.85
Total MARTELLE WATER TREATMENT:				6,810.85
ALLIANT ENERGY				
974671000022	07/01/2022	361 MAIN ST HALLWAY	62-00-00-64200 LABOR & EXPENSES (LAB)	179.44
Total ALLIANT ENERGY:				179.44
IDEXX DISTRIBUTION CORP				
3110268795	07/13/2022	QUANTICULT MEDIA	62-00-00-64200 LABOR & EXPENSES (LAB)	300.31
3110268796	07/13/2022	COLISURE MEDIA	62-00-00-64200 LABOR & EXPENSES (LAB)	920.27
Total IDEXX DISTRIBUTION CORP:				1,220.58
WI STATE LABORATORY OF HYGIENE				
715731	06/30/2022	MONTHLY FLUORIDE SPLIT SA	62-00-00-64200 LABOR & EXPENSES (LAB)	26.00
Total WI STATE LABORATORY OF HYGIENE:				26.00
STANLEY STEEMER INTERNATIONAL INC				
13418910-22	06/11/2022	FLOOR CLEANING PLANT	62-00-00-65100 PLANT MAINTENANCE	850.00
Total STANLEY STEEMER INTERNATIONAL INC:				850.00
SMITH ECOLOGICAL SYSTEMS COMPANY				
23873	06/24/2022	CHEM ROOM CHLORINE P&M Y	62-00-00-65200 MAINT WATER TREATMENT EQUIP	4,573.14

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
Total SMITH ECOLOGICAL SYSTEMS COMPANY:				4,573.14
ALLIANT ENERGY				
098433000022	07/01/2022	750 WILD RIDGE DR WATER TO	62-00-00-66100 MAINT OPS-STANDPIPES	202.34
520171000022	07/01/2022	1887 DODGE ST TOWER	62-00-00-66100 MAINT OPS-STANDPIPES	33.62
Total ALLIANT ENERGY:				235.96
DUNN LUMBER				
1132357	07/01/2022	TOW CHAIN-TREATMENT PLAN	62-00-00-66500 MISC EXPENSE LICENSE & TOOLS	53.89
Total DUNN LUMBER:				53.89
HOME DEPOT CREDIT				
3024303	06/23/2022	CEMENT-RESERVOIR #3 PATC	62-00-00-67200 RESERVOIR & STANDPIPES	25.97
6022375	06/10/2022	CONCRETE ROOF REPAIR-RES	62-00-00-67200 RESERVOIR & STANDPIPES	120.11
9011697	06/17/2022	GLOVES-CONCRETE WORK SU	62-00-00-67200 RESERVOIR & STANDPIPES	23.86
Total HOME DEPOT CREDIT:				169.94
HUMPHREYS CONTRACTING				
HUMPHREYS0	06/15/2022	DODGE TOWER CONCRETE W	62-00-00-67200 RESERVOIR & STANDPIPES	10,505.00
Total HUMPHREYS CONTRACTING:				10,505.00
ASPHALT CONTRACTORS INC				
22292	06/29/2022	ASPHALT PATCHING & MAIN RE	62-00-00-67300 MAINT OF MAINS & VALVES	10,468.00
Total ASPHALT CONTRACTORS INC:				10,468.00
DIGGERS HOTLINE				
220 6 39101 P	06/30/2022	JUL 2022 2ND PREPYMT-1,015	62-00-00-67300 MAINT OF MAINS & VALVES	270.67
Total DIGGERS HOTLINE:				270.67
ASPHALT CONTRACTORS INC				
22292	06/29/2022	ASPHALT PATCHING & MAIN RE	62-00-00-67500 MAINT SERVICES & CURB BOX	1,124.00
Total ASPHALT CONTRACTORS INC:				1,124.00
DIGGERS HOTLINE				
220 6 39101 P	06/30/2022	JUL 2022 2ND PREPYMT-1,015	62-00-00-67500 MAINT SERVICES & CURB BOX	270.67
Total DIGGERS HOTLINE:				270.67
CORE & MAIN LP				
R010338	06/14/2022	METER RINGS (BUSHINGS) ME	62-00-00-67600 MAINT OF METERS	905.64
Total CORE & MAIN LP:				905.64
AT&T				
262248865606	06/13/2022	JUNE TELEPHONE	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	114.35
Total AT&T:				114.35

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
AT&T LONG DISTANCE				
MAY-2022	06/04/2022	262-248-0589 MAY	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	.26
Total AT&T LONG DISTANCE:				.26
CAPITAL ONE				
232145708381	05/25/2022	DISH SOAP, SWIFFER	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	29.09
502166534202	06/15/2022	COFFEE, CREAMER, FAN	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	112.98
Total CAPITAL ONE:				142.07
CHARTER COMMUNICATIONS				
010682406212	06/21/2022	WATER JUNE INTERNET	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	119.98
Total CHARTER COMMUNICATIONS:				119.98
FIRST NATIONAL BANK OF OMAHA				
054101921802	06/29/2022	COMPUTER MONITOR REPLAC	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	260.99
054368421813	06/29/2022	WATER CERT CEU-GAJEWSKI-	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	50.00
054368421813	06/29/2022	WATER CERT CEU-GAJEWSKI-	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	6.05
554295021808	06/16/2022	WATER CERT CEU-GAJEWSKI-	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	99.00
554328621752	06/24/2022	VONAGE PHONE SVC 6/23/2022	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	130.83
Total FIRST NATIONAL BANK OF OMAHA:				546.87
MARTIN BUSINESS GROUP				
1287337	06/20/2022	SERVICE CONTRACT/COPIES	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	102.32
Total MARTIN BUSINESS GROUP:				102.32
ODP BUSINESS SOLUTIONS LLC				
251495370001	06/21/2022	CHAIR MAT-WENDY	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	91.99
251540923001	06/23/2022	RETURNED CHAIR MAT-WENDY	62-00-00-92100 OFFICE SUPPLIES & EXPENSE	79.99
Total ODP BUSINESS SOLUTIONS LLC:				12.00
CIVIC SYSTEMS LLC				
CVC22147	06/27/2022	CIVIC SUP FEES-JAN-JUN 2022	62-00-00-92300 OUTSIDE SERVICES EMPLOYED	2,191.25
Total CIVIC SYSTEMS LLC:				2,191.25
AURORA HEALTH CARE				
908290-1	05/08/2022	DOT DRUG SCREENS-GAJEWS	62-00-00-92600 EMPLOYEE PENSIONS & BENEFITS	25.00
Total AURORA HEALTH CARE:				25.00
SECURIAN FINANCIAL GROUP				
AUG LIFE INS	07/07/2022	AUG LIFE INS 2022	62-00-00-92630 LIFE INSURANCE EXPENSE	12.91
JUL LIFE	06/23/2022	JUL LIFE 2022	62-00-00-92630 LIFE INSURANCE EXPENSE	12.91
Total SECURIAN FINANCIAL GROUP:				25.82
DUNN LUMBER				
1114541	06/15/2022	PAINT & BRUSHES	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	80.53
1125743	06/27/2022	CAULK/PAINT-FOR NEW WINDO	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	38.56
1126603	06/27/2022	PLUMBING & WINDOW PAINT S	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	162.84
1128749	06/29/2022	PAINTING SUPP-TREATMENT P	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	36.96

Invoice Number	Invoice Date	Description	GL Account and Title	Net Invoice Amount
1130318	06/30/2022	PAINT BRUSH-WINDOW PAINTI	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	19.58
Total DUNN LUMBER:				338.47
FAHRNER ASPHALT SEALERS LLC				
8300012281FI	07/12/2022	PARKING LOT CRACK FILLING	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	2,353.75
Total FAHRNER ASPHALT SEALERS LLC:				2,353.75
HOME DEPOT CREDIT				
165060	06/16/2022	PAINT SUPP-TRAY LINER, TRAY	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	27.65
3312167	06/23/2022	WINDOW TRIM, CAULK, GLOVE	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	224.23
6022420	06/10/2022	OUTLETS-ELECTRICAL SUPPLI	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	56.34
Total HOME DEPOT CREDIT:				308.22
NORTHROP AWNING				
14128	07/14/2022	AWNING REPLACEMENT-FINAL	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	2,258.50
Total NORTHROP AWNING:				2,258.50
STANLEY STEEMER INTERNATIONAL INC				
13418910-22	06/11/2022	FLOOR CLEANING OFFICE	62-00-00-93200 MAINTENANCE OF GENERAL PLANT	900.00
Total STANLEY STEEMER INTERNATIONAL INC:				900.00
Total 62:				58,976.18
Grand Totals:				133,531.95

Customer
Refunds

+	16.88
+	26.63
+	161.71
	<u>133,737.17</u>

Dated: _____

Mayor: _____

City Council: _____

City Recorder: _____



Lake Geneva Utility Commission

MUNICIPAL WATER AND WASTEWATER SERVICES

361 W Main Street
P.O. Box 187
Lake Geneva, WI 53147
262-248-2311
www.lgutilitycommission.com

Dennis Lyon – President
Josh Gajewski – Utility Director
Jeff Ecklund – Water Superintendent
Ken Bauman – Wastewater Superintendent

TO: Lake Geneva Utility Commission
FROM: Josh Gajewski, Utility Director
SUBJECT: July 2022 Director's Report

OPERATIONS UPDATE

WATER OPERATIONS

The hydrant recoating project did stall for a few weeks due to weather and contractor staffing, but work did resume the week of 7/18 and is expected to be completed in early August.

The DNR sanitary survey went well, and staff is working to send out follow-up documentation requested by the Department. We anticipate the final report being available within the next month.

Staff previously reported on a shortage of water meters and have since been able to secure enough new meters to accommodate the new service customers anticipated through year-end. Evaluations to reinstate the meter replacement and water-only meter programs will continue as additional inventory becomes available.

WASTEWATER OPERATIONS

The timeline for the startup of the new poly-feed system was hoped to be completed in late July, but due to the availability of factory reps was pushed until the 3rd week of August.

Scheduling for the startup of the new lift station panel and the waste-activated sludge control panel has been made for early August. During this time staff also plan to coordinate the integration of the new flow meter and automated oxidation ditch valve.

OFFICE & ADMINISTRATION

Public improvement projects related to development continue to be very active and staff has been involved with administrative and field coordination in multiple areas of the city.

Staff has been in coordination with DPW (PWC) and MSA regarding the Pine Tree Ln. & Mariane Terrace public improvement project, which will continue through design into early fall, late year bidding, and construction to start in spring of 2023.

The 2nd quarter collections process is underway and will close on 7/20. Late notices will be sent out thereafter and we have scheduled disconnections for 8/16/22.

Likely with little surprise, we continue to see product shortages and increases in the cost of goods and services. Of most significance is the continued increase in fuel, power, and chemicals. We've seen an average overall increase of 155% for chemical costs in the last 12 months and did not anticipate such a steep continued rise in costs. Staff will continue to monitor these expenses and propose a budget modification to the Commission nearer the end of the year.

Preliminary budget cycle scheduling is anticipated to include the draft capital requests presentation at the September meeting, the draft operational budget presentation in October, and the final budget presented for adoption in November. Staff also anticipates there will be discussion at the September meeting to review any findings that arise out of the final wage and compensation study report.

9. Funding Sources – Hauled Waste Receiving Facility Improvements

Randy Langer, PE – Strand Assoc. will be in attendance at the meeting to provide information primarily regarding updates to the Clean Water Fund Program and changes that are anticipated through the Intended Use Plan. While there has not been a formal publication of the IUP, the Utility will need to evaluate the potential use of these funds, as it directly relates to the project manual and bidding requirements, should the loan program be of interest to the Commission.

Staff does not have a formal recommendation on this item currently.

10. Water and Sanitary Sewer Extensions – Symphony Bay Phase 6

As part of the Symphony Bay Development, an Extension Approval was granted by the Wisconsin DNR in early 2016, though it has since expired and requires a new Owner Letter of Approval to be submitted with the applications for main extensions. The engineering plans have been submitted to the Utility for review and have since been revised to comply with all requested changes. A copy of the engineer's letter of recommendation and the plans are included in packets for review.

Action is recommended to approve the issuance of an Owner Letter of Approval for the proposed water and sanitary sewer extensions and associated improvements for Symphony Bay Phase 6.

11. Pay Request #1 – Baker Glass, Inc. – Utility Office Window Project

The subject project has reached final completion and the Utility received an application for payment from the contractor for the work performed. Included in the requested total is a change order for additional work to replace the existing interior trims of the replaced windows, which were found to be in generally poor condition and in some locations were not salvageable due to the prior methods of installation. That Change Order was authorized by the Utility Director during the project and prior to the work being initiated by the contractor.

Staff recommends the approval of Pay Request #1 submitted by Baker Glass, Inc. in the amount of \$41,000.

12. Closed Session – Selection of Engineering Services

Staff will be present to attend the Closed Session and provide the Commissioners with additional information pertaining to the noticed item.

Memo to City of Lake Geneva

To: Fred Walling, Zoning Administrator **Date:** July 14, 2022

From: Naomi Rauch, P.E.
262-758-6032

CC: Rick Zirk - Fairwyn
Brad Jors, P.E. - Kapur
Dave Nord – City Administrator
Brenda Follensbee – Building and Zoning Administrative Assistant
Tom Earle – Director of Public Works
Josh Gajewski – Utility Director
Greg Governatori P.E. – Kapur & Associates, Inc.

Subject: SITE PLAN RECOMMENDED APPROVAL – Symphony Bay Phase 6
Kapur Project No. 22.0160 – Phase 04

BACKGROUND AND REQUEST:

A site plan was submitted by Fairwyn Homes for the construction of Phase 6 at Symphony Bay. Phase 6 consists of the construction of public roads Canon Drive and the continuance of Maestro Circle (loop off Ballard Drive), and Cadence Circle south of Harmony Drive. Public sanitary sewer and watermain are proposed along with grading of 6 duplex lots and 50 single family lots. The proposed sanitary and water main construction will connect to existing infrastructure within the Symphony Bay Subdivision. Storm sewer pipes, inlets, and swales are proposed for construction.

The following plan and calculations were submitted for review:

- **Symphony Bay Phase 6** prepared by Kapur and Associates, sheets 1.0-1.9, 2.0, 2.1-2.2, 3.0-3.3, 4.0-4.3, dated June 12, 2022.

Comments:

Kapur recommends approval of the site plan application for Symphony Bay Phase 6 based on the information reviewed above. This approval is subject to the following conditions:

1. The proposed site and utility plan has been reviewed for consistency with the overall master plan previously approved.
2. A copy of all approvals/permits required from County or State regulatory agencies shall be provide to the City.
3. A performance bond is required totaling 120% of the cost to install all public improvements including public streets/roads, utilities, and stormwater management facilities. The performance bond must be



provided prior to the start of construction. A recommendation for the bond amount will be provided under separate cover.

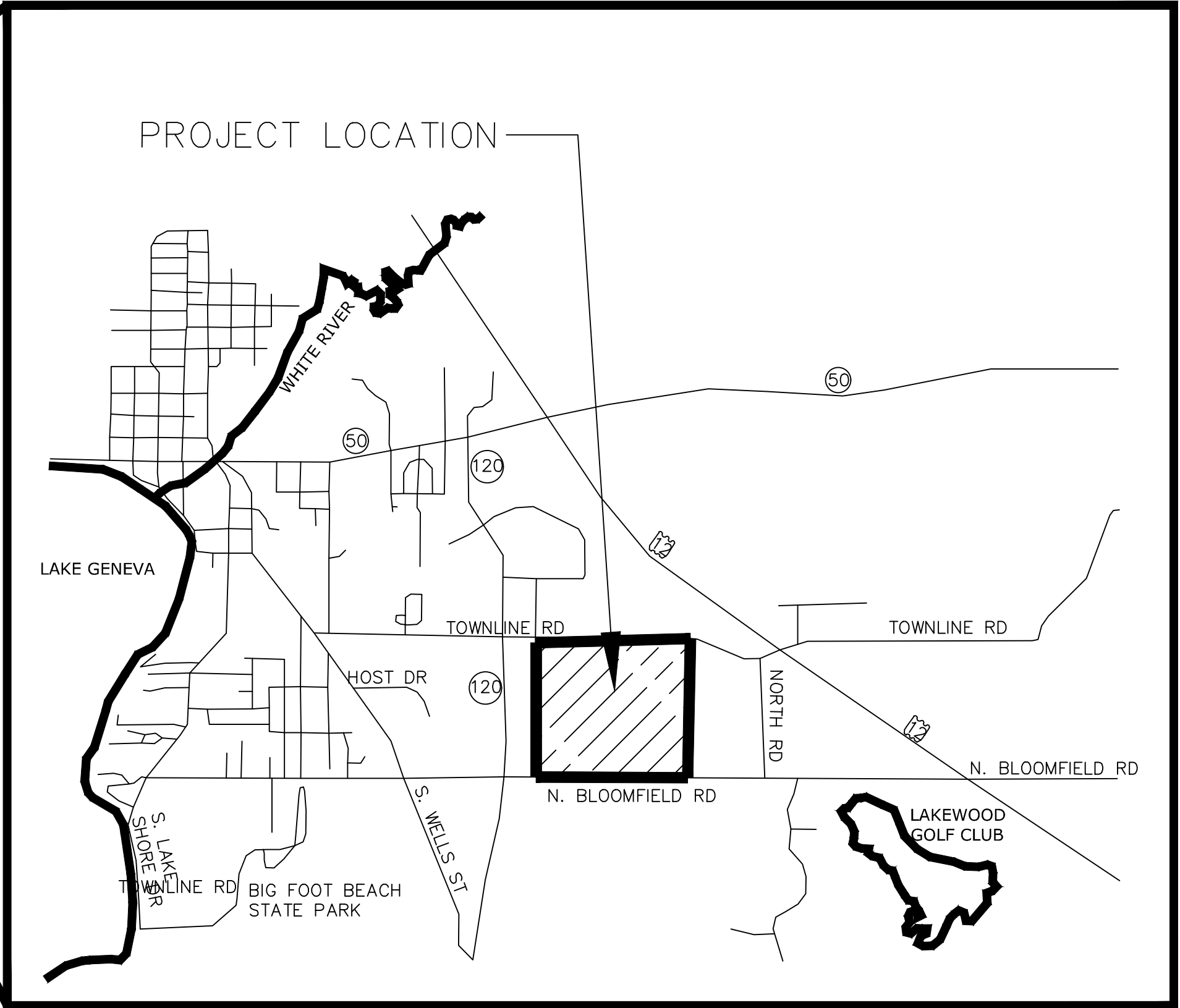
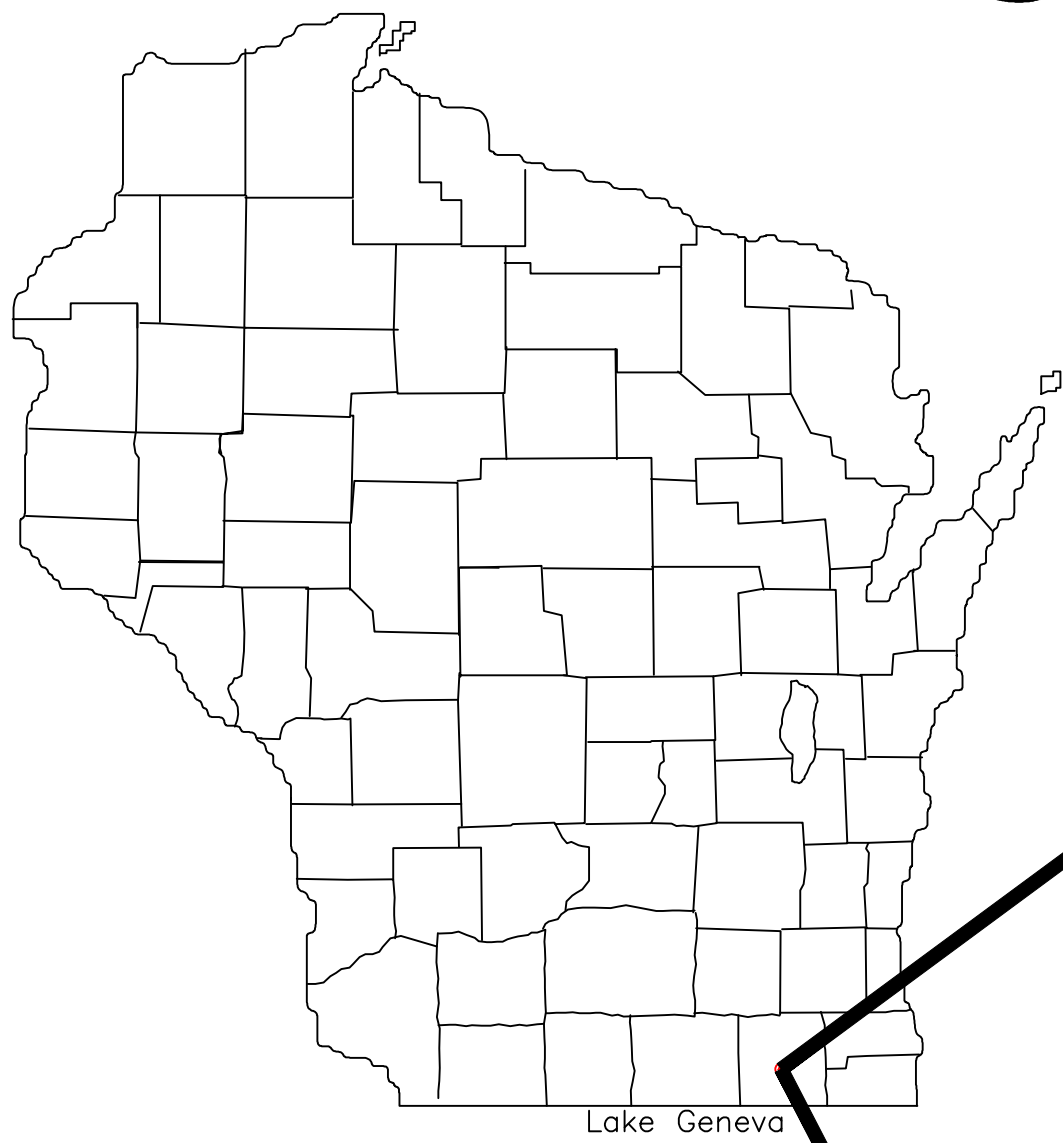
4. Utility and stormwater management facility as-built information is required to be reviewed and approved by the City prior to acceptance.
5. The stormwater maintenance agreement must be signed and recorded with Walworth County, and a recorded copy provided to the City, prior to acceptance of the as-built stormwater management plans.
6. A pre-construction meeting is required. Kapur should be notified a minimum of 1 week in advance of the pre-construction meeting to facilitate attendance.

The plans have been reviewed for conformance with generally accepted engineering practices and City of Lake Geneva policies. Although the material has been reviewed, the applicant is ultimately responsible for the thoroughness and accuracy of the plans and supplemental data and for compliance with state, county, and other local ordinances and procedures.

Please contact me if you have any questions or comments pertaining to this project.

SYMPHONY BAY PHASE 6

CITY OF LAKE GENEVA, WISCONSIN



INDEX TO DRAWINGS

SHEET NO.	TITLE
1.0 - 1.9	TITLE AND DETAILS
2.0	OVERALL PHASING PLAN
2.1 - 2.2	GRADING PLAN
3.0 - 3.3	ROAD AND STORM
4.0 - 4.3	SANITARY AND WATER

BENCH MARKS

PROJECT BENCH MARKS NGVD 1929:

- ELEV. 896.40'
FOUND CHSLD. CROSS IN TOP OF NE FLANGE BOLT OF HYD. 2.3' ABV. GRD. NORTH SIDE OF TOWNLINE ROAD
- ELEV. 897.99'
SET RR SPIKE SW FACE 40" MAPLE 0.7' ABV. GRD. SOUTH SIDE OF NORTH BLOOMFIELD ROAD.

EXISTING TOPOGRAPHY IS BASED ON FIELD SURVEY TAKEN ON 04/10/07 BY KAPUR & ASSOCIATES, INC.

LAND OWNER:
SOUTHLAND FARMS LLC
875 TOWNLINE ROAD
LAKE GENEVA, WI 53147

CALL DIGGERS' HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND
UTILITIES BEFORE YOU DIG. WISCONSIN STATUTE 182.0715
REQUIRES MIN. OF 3 WORK DAYS BEFORE YOU EXCAVATE

*PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE MUST BE HELD AT THE LAKE GENEVA UTILITY COMMISSION. THE PRECONSTRUCTION CONFERENCE SHALL BE SCHEDULED AND MODERATED BY THE DESIGNING ENGINEER OF RECORD.

**ROADWAY AND UTILITY IMPROVEMENTS SHALL GENERALLY CONFORM TO THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2016 EDITION AS AMENDED, SEWER AND WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION AS AMENDED, AND SPECIAL PROVISIONS DEVELOPMENT STANDARDS FOR PRIVATE DEVELOPMENTS FOR THE CITY OF LAKE GENEVA AND LAKE GENEVA UTILITY COMMISSION DATED SEPT. 11 2007 AS AMENDED, UNLESS OTHERWISE NOTED ON THE PLAN SET.



7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6 CONSTRUCTION PLANS

REVISIONS:		
#	DATE	DESCRIPTION

all in

SHEET:

TITLE SHEET

PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

1.0

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:		
#	DATE	DESCRIPTION

SEAL:

all in

SHEET:

DETAILS

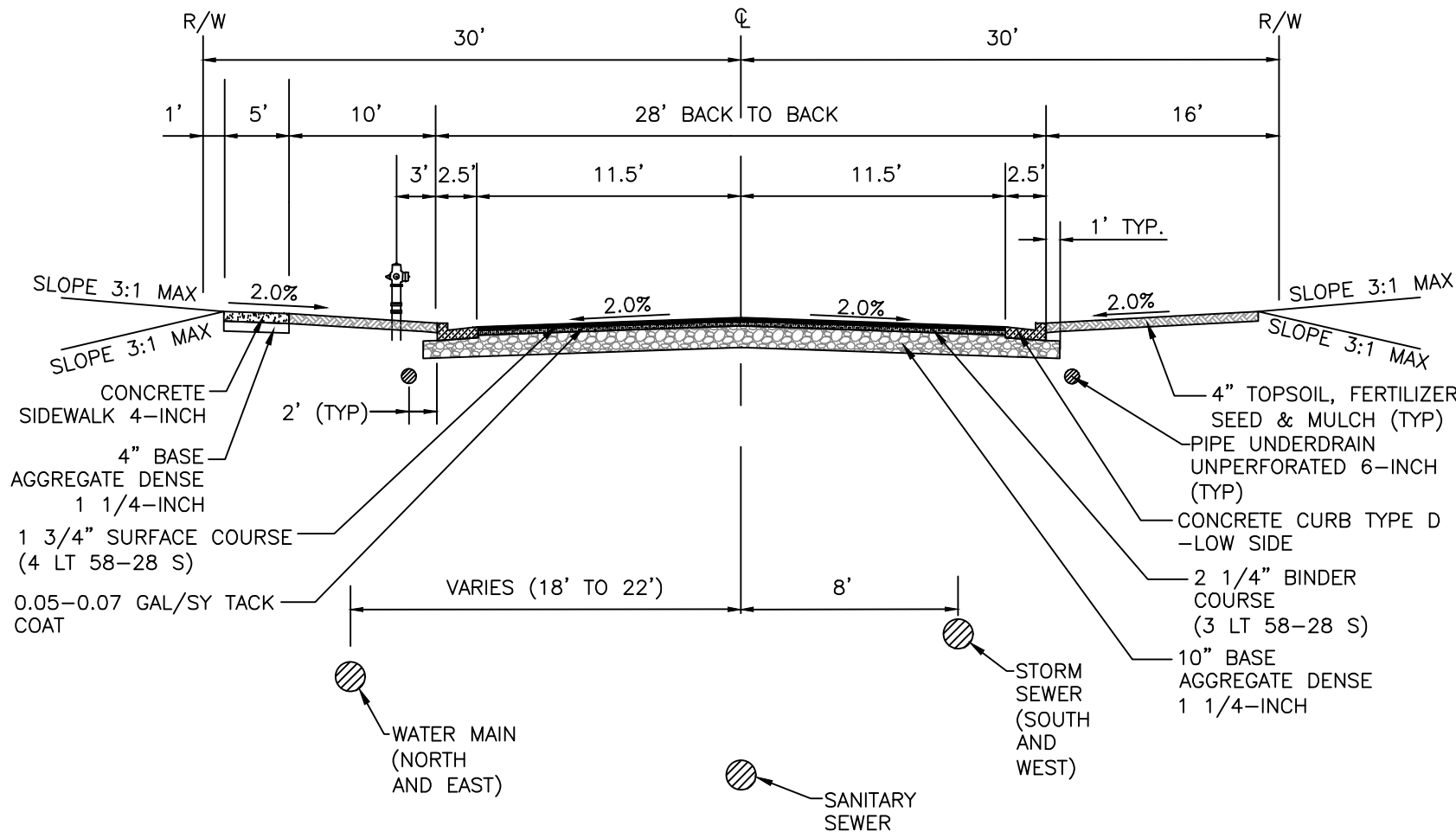
PROJECT MANAGER: DMJ

PROJECT NUMBER: 17.0061.06

DATE: 7-12-2022

SHEET NUMBER:

1.1



BOWLING WAY, GALLANT DRIVE, CADENCE CIRCLE, SOPRANO DRIVE, BEETHOVEN DRIVE, DEBUSSY DRIVE, ROSSINI DRIVE, CANON DRIVE, BALLAD DRIVE, TENOR COURT, AND HARMONY DRIVE (STA 225+03.35 TO STA 242+22.77)

GENERAL NOTES

GENERAL CONSTRUCTION

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY LOCAL CODES AND ORDINANCES.

THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN FOR ENGINEER'S REVIEW AND APPROVAL ON TOWNLINE ROAD AND BLOOMFIELD ROAD PRIOR TO CONSTRUCTION.

ALL SIGNS & SIGN POSTS REMOVED SHALL BE DELIVERED TO THE CITY OF LAKE GENEVA.

UTILITY CONSTRUCTION

INSTALLATION, MATERIALS, & TESTING PER PROJECT SPECS & STANDARD SPECS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

UTILITY TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED WITH BACKHOE AND VIBRATORY COMPACTOR ATTACHMENT, OR METHOD APPROVED BY ENGINEER. GRANULAR BACKFILL IS TO BE USED WITHIN AND 3 FEET BEYOND ROADWAY LIMITS AND WITHIN AND 2 FEET BEYOND SIDEWALK AND SPOIL BACKFILL MAY BE USED OUTSIDE THE ROADWAY LIMITS, AS DIRECTED BY ENGINEER.

CONCRETE CONSTRUCTION

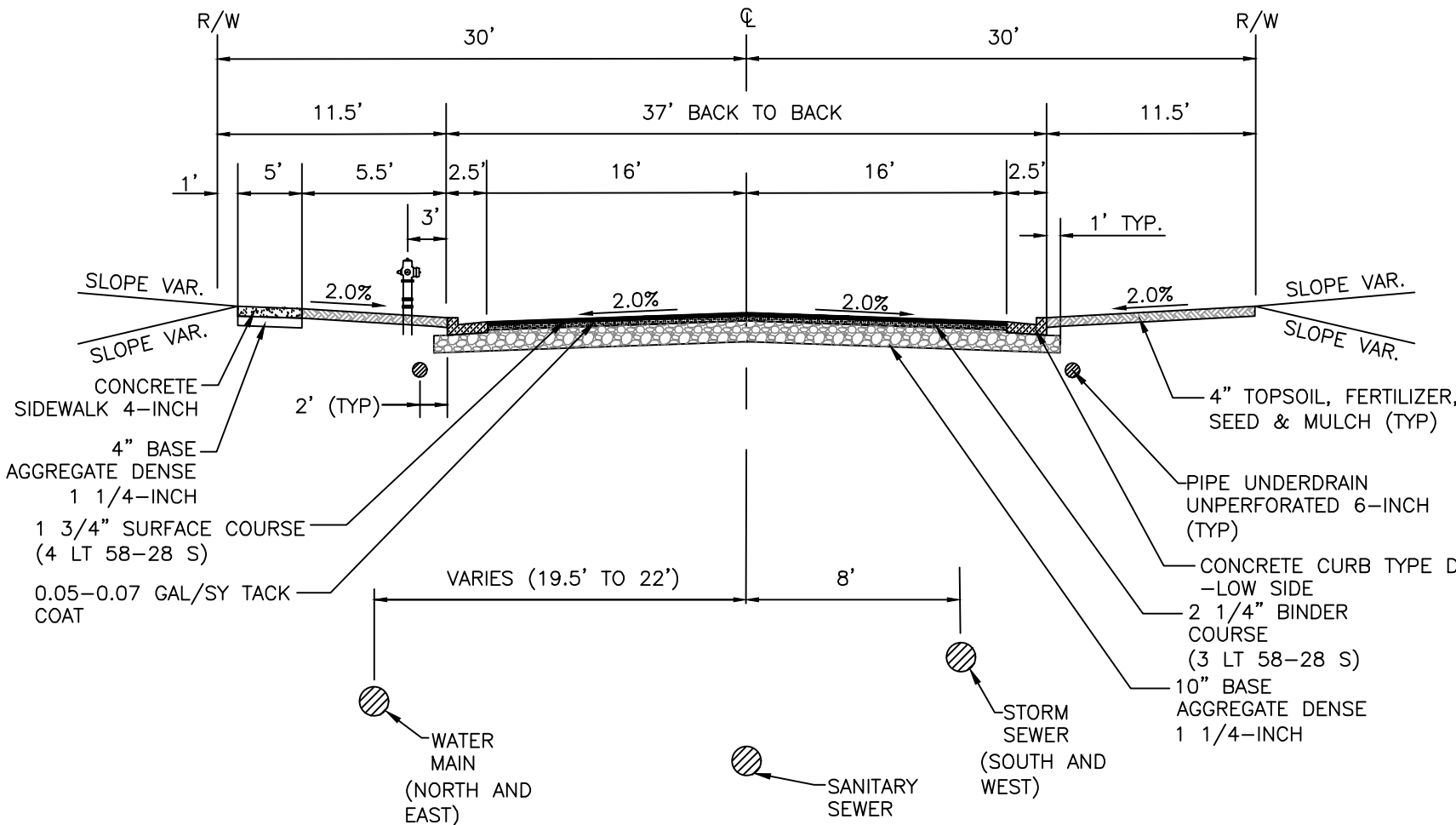
EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER ADJACENT TO ASPHALTIC PAVEMENT.

CONCRETE CURB AND GUTTER JOINT SPACING SHALL BE 10 FEET UNLESS AUTHORIZED BY THE ENGINEER.

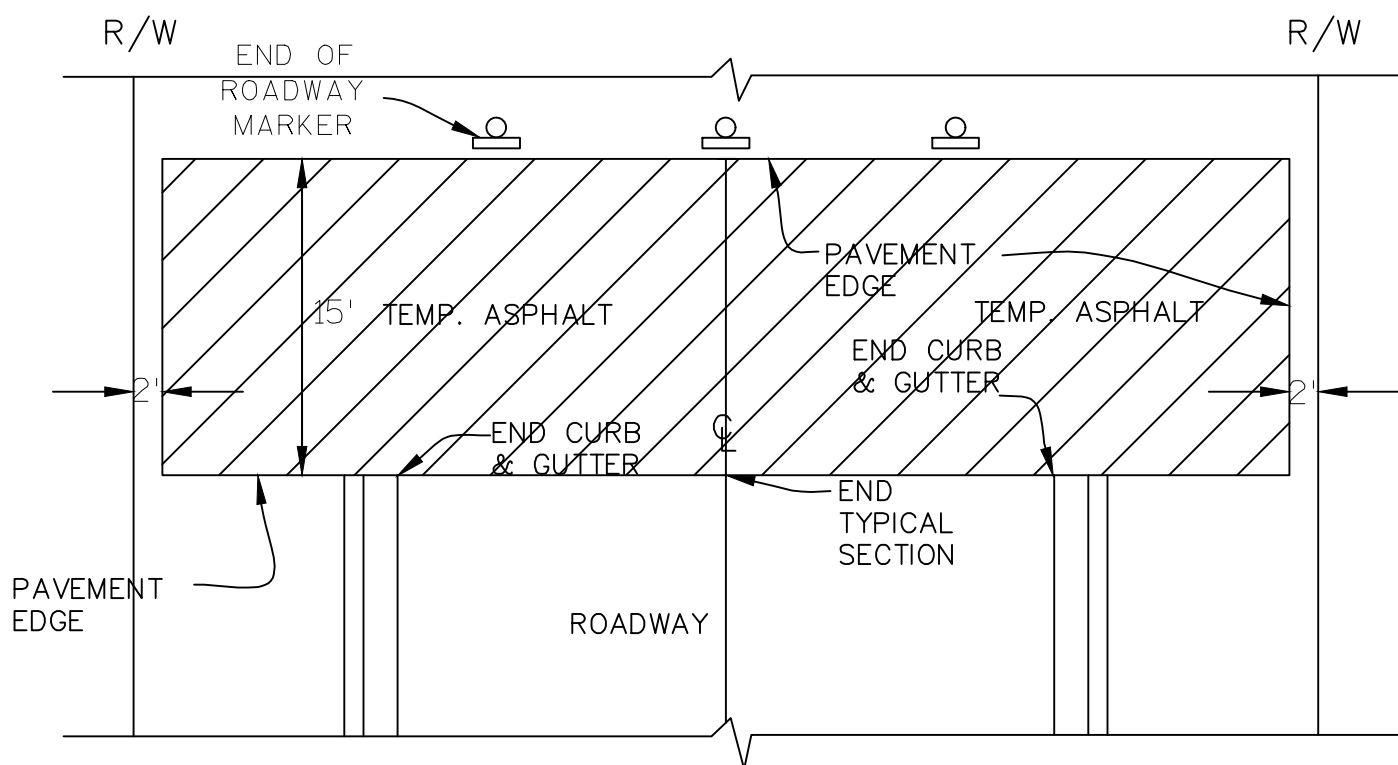
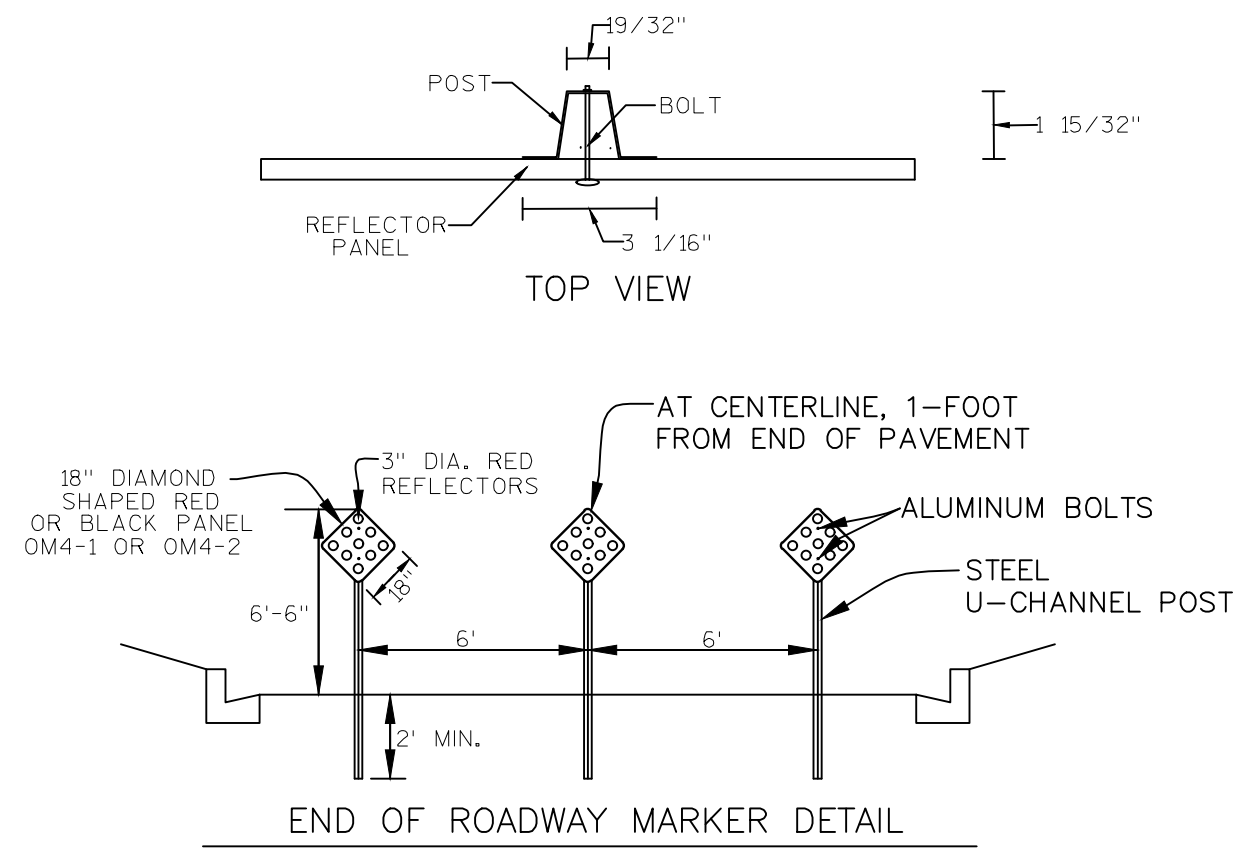
ASPHALT CONSTRUCTION

A SAWED JOINT IS REQUIRED WHERE NEW ASPHALTIC CONCRETE SURFACES MEET EXISTING ASPHALTIC CONCRETE SURFACES.

TACK COAT SHALL BE PLACED AT AN APPLICATION RATE BETWEEN 0.050 AND 0.070 GALLONS PER SQUARE YARD AND WILL BE PLACED BETWEEN LAYERS OF ASPHALTIC PAVEMENT.

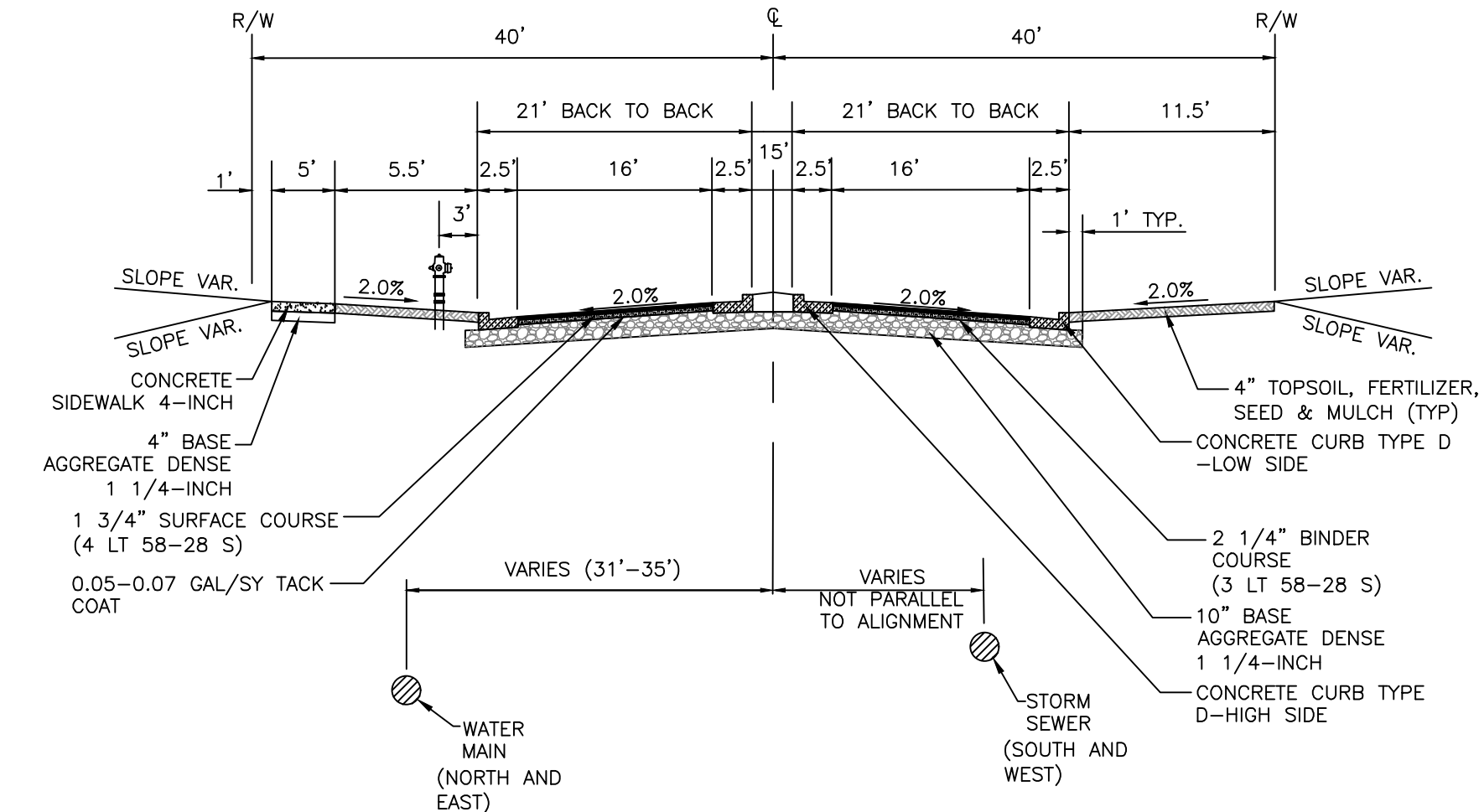


HARMONY DRIVE (STA 204+60.53 TO STA 225+03.35), SONATA WAY

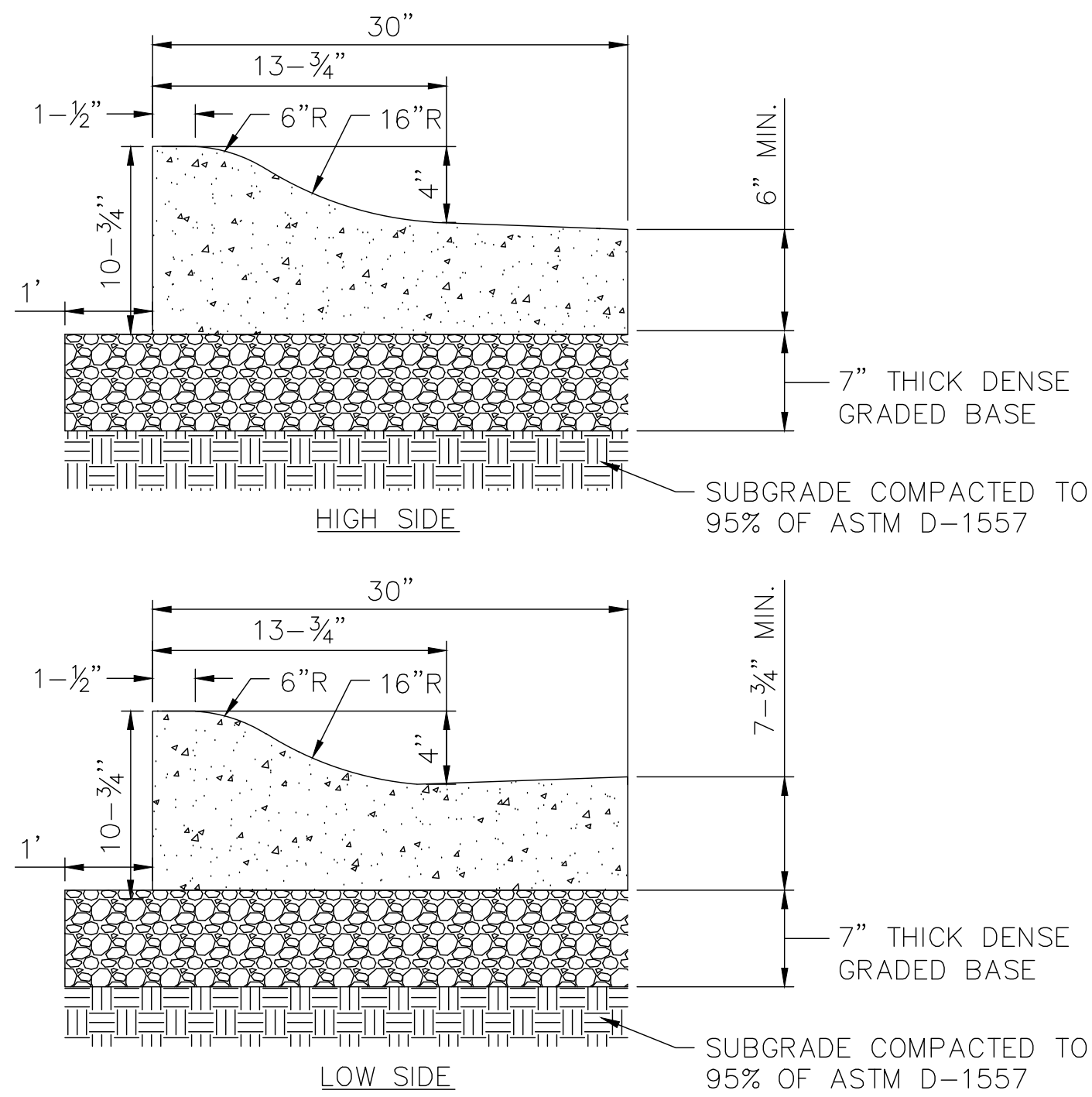
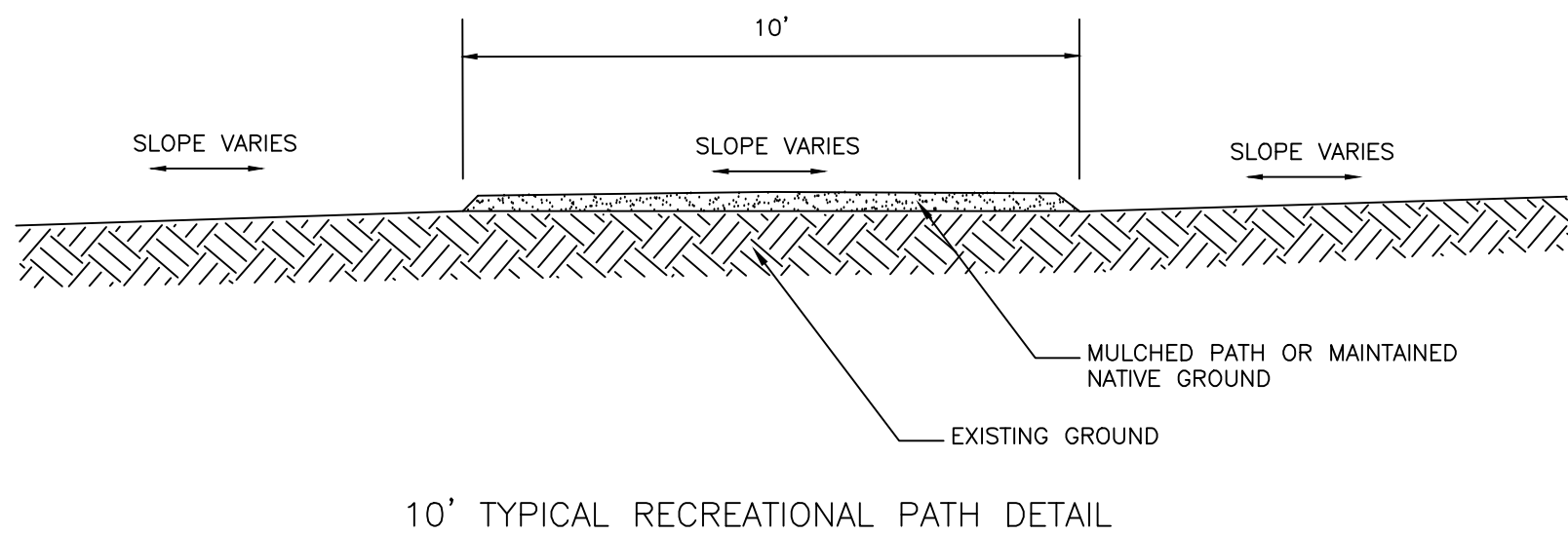


ROADWAY	END TYP. SECTION	END TEMP. ASPHALT
CADENCE CIRCLE	151+03.29	151+18.29
CADENCE CIRCLE	171+01.56	171+16.56
CAPELLA WAY	77+70.00	77+85.00
BRITTEN DRIVE	40+36.50	40+51.50

TEMP. ASPHALT IS 3" 3 LT 58-28 S OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH



HARMONY DRIVE (STA 201+95.54 TO STA 230+58.03), SONATA WAY (STA 181+49.30 TO STA 182+60.31)



EROSION CONTROL NOTES

TEMPORARY DITCH CHECK – SEDIMENT LOGS TO BE USED. NO HAY/STRAW BALES SHALL BE USED. USE PRODUCT FROM WISDOT PAL LIST, 2015.

REMOVAL OF EROSION CONTROL DEVICES AND MOBILIZATION FOR SUCH REMOVAL, WILL BE INCIDENTAL TO THEIR RESPECTIVE ITEMS.

ANY DEVIATION FROM THESE NOTES BY THE CONTRACTOR MUST BE APPROVED BY ENGINEER.

CONTRACTOR MUST CONFORM WITH ANY STATE, FEDERAL, AND LOCAL PERMITS, ORDINANCES AND/OR REGULATIONS AND WITH THE CONDITIONS INCLUDED IN THIS PLAN SET. EROSION CONTROL MEASURES SHALL BE INSTALLED, MAINTAINED AND REMOVED IN CONFORMANCE WITH THE WISCONSIN DNR STORMWATER MANAGEMENT TECHNICAL STANDARDS, WITH THE DETAILS AND NOTES LISTED IN THIS PLAN SET, AND ADJUSTED TO FIT FIELD CONDITIONS ON AN AS NEEDED BASIS.

PROJECT PERMITS, APPROVED PROJECT PLANS, THE CONTRACTOR’S DAILY LOG BOOK, AND WEEKLY EROSION CONTROL INSPECTION REPORTS MUST BE KEPT ON SITE IN AN ACCESSIBLE LOCATION.

EROSION CONTROL MEASURES AS SPECIFIED IN PLANS SHALL BE INSTALLED PRIOR TO ANY GRADING OR LAND DISTURBANCE. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREAS THEY SERVE HAVE ESTABLISHED VEGETATIVE COVER (I.E. 80% VEGETATIVE GROWTH OR AS OTHERWISE AUTHORIZED BY REGULATORY AGENCIES). APPLY APPROPRIATE SOIL CONSERVATION MEASURES TO PROTECT PROJECT AREA AND ADJACENT LANDS. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. EROSION CONTROL MEASURES INCLUDE BUT MAY NOT BE LIMITED TO SILT FENCE, EROSION EELS, TURBIDITY BARRIER, INLET PROTECTION, MULCHING, AND RAPID GROWTH VEGETATION.

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING OR ANY OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES SHALL BE INSPECTED AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE WDNR STORMWATER MANAGEMENT TECHNICAL STANDARDS AND THE ENGINEER’S PLANS AND AS DEEMED NECESSARY BY THE REGULATORY AGENCIES. EROSION CONTROL MAINTENANCE WILL BE AN ONGOING PROCESS THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A DAILY LOG BOOK ON SITE NOTING INSPECTION DATES AND TIMES, REPAIRS NECESSARY AND REPAIRS MADE. EROSION CONTROL MEASURES ARE TO BE IN WORKING AND EFFECTIVE CONDITION AT THE END OF EACH WORKING DAY.

TEMPORARY SEED: FOLLOW WISCONSIN DNR NR151 STANDARD FOR USE OF TEMPORARY SEED. TEMPORARY SEED SHALL BE USED WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS.

IF TEMPORARY STORAGE IS REQUIRED FOR ANY EXCESS SOIL OR SPOIL MATERIAL, PERIMETER CONTROL AND TEMPORARY STORAGE AND STABILIZATION WILL BE NECESSARY WITHIN 7 DAYS, PER WISCONSIN DNR TECHNICAL STANDARDS.

DEWATERING PLAN

TO FACILITATE CONSTRUCTION AT THE PROJECT SITE, DEWATERING MAY TAKE PLACE BY THE SELECTED CONTRACTOR. CONTRACTOR TO FOLLOW THESE INSTRUCTIONS WHILE PERFORMING DEWATERING ACTIVITIES ON–SITE.

NOTE: THESE INSTRUCTIONS DO NOT APPLY TO WATER BEING DISCHARGED DIRECTLY TO GROUNDWATER OR KARST FEATURES OR WELL DEWATERING SYSTEMS. CONTRACTOR SHALL COORDINATE ACCORDINGLY FOR OTHER DEWATERING ACTIVITIES AS DEEMED NECESSARY WITH THE WDNR.

1. THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED WDNR TECHNICAL STANDARD NUMBER 1061.
2. A PAN OR OTHER CONTAINMENT DEVICE SHALL BE PLACED UNDERNEATH THE PUMP TO CAPTURE ANY SPILLS. OILS, GASOLINE, ETC. SHALL NOT BE STORED WITHIN WETLANDS, NEAR THE STORMWATER POND, OR OTHER ON–SITE WATER AREAS.
3. A TYPE 2 GEOTEXTILE BAG THAT IS NO SMALLER THAN 100 SQUARE FEET; HAS A MAXIMUM APPARENT OPENING SIZE OF 0.212 mm; HAS A GRAB TENSILE STRENGTH OF 300 LBS; MULLEN BURST OF 580 PSI; PERMEABILITY OF 0.2 CM/SEC; FABRIC WEIGHT OF 12 OZ SHALL BE USED. THE GEOTEXTILE BAG AREA AND DOWNGRADE FLOW AREA SHALL CONSIST OF VEGETATED AND UNDISTURBED SOILS.
4. POLYMER APPROVED BY THE WDNR MEETING WDNR TECHNICAL STANDARD 1051 MAY BE USED IN COMBINATION WITH THE DEWATERING BAG IF THE DEWATERING BAG IS NOT DOING AN ADEQUATE JOB ALONE OF FILTERING SEDIMENTS. THE CONTRACTOR SHALL SUPPLY TOXICITY TESTING DATA TO THE WDNR BEFORE USE ON–SITE FOR WDNR APPROVAL. POLYMER SHALL NOT BE DIRECTLY APPLIED TO SURFACE WATER. CONTRACTOR SHALL OBTAIN THE POLYMER MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE SELECTED POLYMER, MANUFACTURER’S INFORMATION AND WDNR USE RESTRICTIONS (SEE TECHNICAL STANDARD 1051) AND KEEP ALL THIS INFORMATION ON–SITE. CONTRACTOR SHALL ADHERE TO MANUFACTURER AND WDNR’S APPLICATION RATES FOR THE POLYMER. THE APPLICATION RATE SHALL NOT EXCEED THE WDNR USE RESTRICTION, EVEN IF THIS IS THE RECOMMENDED RATE BY THE MANUFACTURER. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE POLYMER IS NOT SPILLED. THE MANUFACTURER’S RECOMMENDED CLEANUP PROCEDURES SHALL BE FOLLOWED IN THE EVENT OF A SPILL.
5. A TARP MAY BE UTILIZED UNDERNEATH THE TYPE 2 GEOTEXTILE BAG AND JUST DOWN SLOPE OF THE BAG TO DISCOURAGE EROSION AND SCOUR.
6. A FLOATING SUCTION HOSE OR OTHER FLOTATION METHOD SHALL BE UTILIZED WHEN PUMPING FROM AN AREA WITH STANDING WATER TO AVOID SUCKING SEDIMENT FROM GRADE.
7. IF TURBID WATER IS LEAVING THE GEOTEXTILE BAG, THE CONTRACTOR SHALL SHUT OFF THE PUMP TO ALLOW SEDIMENTS TO SETTLE INTO THE BAG. CONTRACTOR SHALL FOLLOW THE MANUFACTURER’S SPECIFICATIONS FOR DETERMINING THE SEDIMENT CAPACITY OF THE GEOTEXTILE BAG USING GOOD COMMON SENSE. SEDIMENT LEVELS CONTAINED IN THE BAG SHALL BE MONITORED TO MEASURE THE LOSS OF STORAGE CAPACITY OVER TIME. THE CONTRACTOR SHALL PROPERLY DISPOSE OF THE GEOTEXTILE BAG IN A WASTE RECEPTACLE ONCE IT IS NO LONGER USED.
8. DURING DEWATERING ACTIVITIES THE CONTRACTOR SHALL MONITOR DEWATERING PRACTICES AND KEEP A LOG OF THE FOLLOWING:
 - A. DISCHARGE DURATION AND SPECIFIED PUMPING RATE.
 - B. OBSERVED WATER TABLE AT TIME OF DEWATERING.
 - C. MAINTENANCE ACTIVITIES
 - D. NAME AND QUANTITY OF POLYMER USED. PRODUCT TYPE.
 - E. APPLICATION RATE OF POLYMER IN POUNDS/ACRE FEET OF WATER.
 - F. DATE AND TIME APPLIED.
 - G. WEATHER CONDITIONS DURING APPLICATION.
 - H. METHOD OF APPLICATION.

THIS LOG NEEDS TO BE KEPT ON SITE FOR WDNR REGULATORY REVIEW. COPIES OF THIS DOCUMENTATION SHOULD BE KEPT IN THE CONTRACTOR’S MONITORING LOG AND MADE AVAILABLE UPON REQUEST.

REVIEW THE FOLLOWING FOR MORE INFORMATION:

WDNR TECHNICAL STANDARD 1061 FOR DEWATERING –
http://dnr.wi.gov/runoff/pdf/stormwater/techstds/erosion/Dewatering_1061.pdf

WDNR TECHNICAL STANDARD 1051 FOR POLYMER –
http://dnr.wi.gov/runoff/pdf/stormwater/techstds/erosion/Dewatering_1061.pdf

EROSION CONTROL MEASURES

1. CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN AND PER THE LATEST WDNR TECHNICAL STANDARDS. TECHNICAL STANDARDS MAY BE VIEWED ONLINE AT: <http://dnr.wi.gov/runoff/stormwater/techstds.htm>
2. INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS THAT ARE PHASED IN WITH CONSTRUCTION TO REDUCE SEDIMENT FROM ENTERING THESE AREAS PER WDNR TECHNICAL STANDARD 1060 AS FOLLOWS:
 - A. ALL FABRIC BARRIERS SELECTED FOR INLET/CATCH BASIN PROTECTION DEVICES SHALL BE SELECTED FROM THE LIST OF APPROVED FABRICS CERTIFIED FOR INLET PROTECTION, GEOTEXTILE FABRIC, TYPE FF IN THE CURRENT EDITION OF THE WDOT PRODUCT ACCEPTABILITY LIST, TO OBTAIN THE PAL, PLEASE REFER TO THIS WEBSITE: <http://www.dot.wisconsin.gov/business/engrserv/pal.htm>
 - B. INLET PROTECTION SHALL BE AT A MINIMUM INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF ½ INCH OR GREATER DURING A 24–HOUR PERIOD.
 - C. PLACEMENT OF SPOIL MATERIAL, DEBRIS, SOILS, ETC. ON TOP OF INLETS/CATCH BASINS, EVEN IF TEMPORARY, IS STRICTLY DISCOURAGED AND PROHIBITED.
 - D. SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO ½ THE DESIGN DEPTH OF THE DEVICE, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING PER MANUFACTURER’S SPECIFICATIONS. ALL SEDIMENT COLLECTED SHALL BE PROPERLY DISPOSED OF TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.
 - E. DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLETS/CATCH BASINS AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET/CATCH BASIN SHALL BE REMOVED AND PROPERLY DISPOSED OF PER NOTE D ABOVE.
 - F. INLET FILTERS MAY BE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF CONSTRUCTION, HAULING OR MOVEMENT OF CONSTRUCTION EQUIPMENT THROUGHOUT THE SITE, AND ONCE THE SITE IS ADEQUATELY STABILIZED, UNLESS AS OTHERWISE NOTIFIED BY THE WDNR.
3. THE CONSTRUCTION SITE PERIMETER SHALL BE PROTECTED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO INTERCEPT AND REDUCE THE FLOW OF SEDIMENT–LADEN SHEET FLOW RUNOFF FROM THE CONSTRUCTION SITE PER WDNR TECHNICAL STANDARD 1056. SEDIMENT LOGS MAY BE USED IN LIEU OF SILT FENCE:
 - A. SILT FENCE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE AS SHOWN ON THE PLAN SHEET.
 - B. INSTALLED SILT FENCE SHALL BE A MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.
 - C. SILT FENCE SHALL BE SUPPORTED BY EITHER STEEL OR WOOD SUPPORT POSTS.
 - D. THE MAXIMUM SPACING OF POSTS FOR NONWOVEN SILT FENCE SHALL BE 3 FEET OR FOR WOVEN FABRIC 8 FEET.
 - E. SILT FENCE SHALL HAVE A SUPPORT CORD AT THE TOP OF THE FENCE.
 - F. WHERE JOINTS ARE NEEDED, EACH END OF THE FABRIC SHALL BE SECURELY FASTENED TO A POST. THE POSTS SHALL BE WRAPPED AROUND EACH OTHER TO PRODUCE A STABLE AND SECURE JOINT OR SHALL BE OVERLAPPED THE DISTANCE BETWEEN TWO POSTS.
 - G. A MINIMUM OF 20 INCHES OF THE POSTS SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.
 - H. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4 INCH WIDE BY 6 INCH DEEP TRENCH, OR 6 INCH DEEP V–TRENCH ON THE UPSLOPE SIDE OF THE FENCE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED ANY WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
 - I. ON THE TERMINAL ENDS OF THE SILT FENCE THE FABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.
 - J. GEOTEXTILE FABRIC SPECIFICATIONS SHALL MEET VALUES ESTABLISHED IN TECHNICAL STANDARD 1056.
 - K. SILT FENCE SHALL BE REMOVED ONCE THE SITE IS ADEQUATELY STABILIZED.
 - L. WHEN PLACING SILT FENCE NEAR TREES, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE ROOT SYSTEM BY AVOIDING COMPACTION AND ROOT CUTTING WITHIN 1.5 FEET MULTIPLIED BY THE INCH DIAMETER OF THE TREE.
 - M. THE CONTRACTOR MAY FURTHER STRENGTHEN THE SILT FENCE BY USING HAY BALES ON THE DOWN SLOPE SIDE AS NEEDED.
 - N. SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 - O. DAMAGED OR DECOMPOSED SILT FENCE, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
 - P. SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH ½ THE HEIGHT OF THE FENCE TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.
4. DITCH CHECKS ARE TO BE USED TO REDUCE THE VELOCITY OF WATER FLOWING IN CHANNELS AS SHOWN IN THE PLANS. DITCH CHECKS SHALL BE CONSTRUCTED FROM ENGINEERED PRODUCTS FOUND ON THE WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL). DITCH CHECKS ARE TO BE INSTALLED IN THE AREAS SHOWN IN THE PLANS PER WDNR TECHNICAL STANDARD 1062 AS FOLLOWS:
 - A. DITCH CHECKS ARE TO BE INSTALLED TO A MINIMUM HEIGHT OF 10 INCHES AND SHALL NOT EXCEED A MAXIMUM HEIGHT OF 16 INCHES FOR MANUFACTURED OR BIODEGRADABLE MATERIALS.
 - B. DITCH CHECKS MUST BE INSTALLED WITH THE CENTER LOWER THAN THE SIDES FORMING A WEIR. IF THIS IS NOT DONE, STORMWATER FLOWS ARE FORCED TO THE EDGE OF THE DITCH CHECK, THUS PROMOTING SCOUR, OR OUT OF THE CHANNEL CAUSING EXCESSIVE EROSION.
 - C. AT A MINIMUM, INSTALL ONE DITCH CHECK FOR EVERY TWO FEET OF DROP IN THE CHANNEL.
 - D. DITCH CHECKS SHALL BE PLACED SUCH THAT THE RESULTANT PONDING WILL NOT CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS.
 - E. DITCH CHECKS SHALL BE UTILIZED DURING ROUGH GRADING AND SHALL BE REMOVED ONCE THE FINAL GRADING AND CHANNEL STABILIZATION IS APPLIED.
 - F. CHANNEL EROSION MAT SHALL BE PLACED AT THE BASE OF THE DITCH CHECK, AND EXTENDED A MINIMUM OF 6 FEET, TO PREVENT SCOUR AND WASHING OUT OF THE TOE OF THE DITCH CHECK.
 - G. DITCH CHECKS INSTALLED IN GRASS LINED CHANNELS MAY KILL THE VEGETATION IF WATER IS PONDED FOR EXTENDED PERIODS. PROPER MAINTENANCE IS REQUIRED TO KEEP AREAS ABOVE AND BELOW THE DITCH CHECK STABILIZED.

5. SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED. TEMPORARY SEEDING APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND–DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 7 CALENDAR DAYS, REQUIRING VEGETATIVE COVER FOR LESS THAN ONE YEAR. SEED AND MULCH SHALL BE UTILIZED THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH TEMPORARY VEGETATION TO HELP REDUCE EROSION PER WDNR TECHNICAL STANDARDS 1059 AND 1058 RESPECTIVELY AS FOLLOWS:
 - A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.
 - B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING.
 - C. THE SOIL SHALL HAVE A PH RANGE OF 5.5 TO 8.0.
 - D. ALL SEED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN STATE STATUTES AND OF THE ADMINISTRATIVE CODE CHAPTER ATCP 20.01 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING.
 - E. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL.
 - F. IN THE SUMMER–SPRING, CONTRACTOR SHALL USE OATS APPLIED AT 131 LBS/ACRE FOR TEMPORARY SEEDING PURPOSES. IN THE FALL THE CONTRACTOR SHALL USE ANNUAL RYEGRASS APPLIED AT 80 LBS/ACRE OR WINTER WHEAT APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 1.5 TONS/ACRE. DORMANT SEED SHALL BE USED WHEN SOIL TEMPERATURE IS CONSISTENTLY BELOW 53 DEGREES FAHRENHEIT (TYPICALLY NOV. 1 UNTIL SNOW COVER ANNUALLY). NEVER PLACE SEED ON TOP OF SNOW. IF COVER IS NEEDED AFTER SNOW FALL, CONTRACTOR MAY CHOOSE TO USE A DRY, NONTOXIC TYPE B SOIL STABILIZER PER MANUFACTURER’S SPECIFICATIONS AS REQUIRED BY THE WDNR.
 - G. SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET.
 - H. CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT RUNOFF AND EROSION.
 - I. DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEEDED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOD IS LAID. REPAIR AND RESEED AREAS THAT HAVE EROSION DAMAGE AS NECESSARY.
 - J. CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED AS MUCH AS POSSIBLE. RE–SEED DRIVEN OVER AREAS AS NEEDED.
 - K. MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.
 - L. MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT OF MULCH.
 - M. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
 - N. DEPENDING ON DURATION OF CONSTRUCTION, THE CONTRACTOR MAY NEED TO RE–SEED AND RE–STABILIZE THE TOPSOIL STOCKPILE AS NECESSARY TO DISCOURAGE SEDIMENT AND EROSION.
6. A COPY OF EROSION CONTROL INSPECTION REPORTS AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT ON SITE.
7. CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL PRACTICES BY THE END OF EACH WORKDAY. ANY SEDIMENT REMOVAL OR REPAIR OF FAILING PRACTICE MUST BE CORRECTED IMMEDIATELY.
8. TRACKING PAD(S) IS/ARE ANTICIPATED FOR THE COMPLETION OF THIS CONTRACT. LOCAL ROADS SHALL BE KEPT CLEAN AND SWEEPED AT THE END OF EACH WORKDAY IF SEDIMENT ACCUMULATES.

REGIONAL UTILITY CONTACTS –FOR INFORMATIONAL PURPOSES ONLY

CITY OF LAKE GENEVA UTILITY DIRECTOR
361 W. MAIN STREET
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JGAJEWSKI@LGUTILITIES.ORG

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CURTISSEILERTSON@ALLIANTENERGY.COM

WE ENERGIES GAS
700 SOUTH KANE ST. BURLINGTON, WI 53105
SCOTT HOLSTEIN (262) 763–1084
SCOTT.HOLSTEIN@WE–ENERGIES.COM

TIME WARNER CABLE
STEVE STORM
WIS.ENGINEERING@TWCABLE.COM
OFFICE (414)–908–4789



TO OBTAIN LOCATION OF PARTICIPANTS’ UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE

1–800–242–8511

TOLL FREE

TELEFAX 1–800–338–3860

TDD(FOR HEARING IMPAIRED)1–800–542–2289

WISCONSIN STATUTE 182.0175 (1974)
REQUIRES MINIMUM OF 3 WORK DAYS



7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

kapurinc.com

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6 CONSTRUCTION PLANS

REVISIONS:

#	DATE	DESCRIPTION

SEAL:

all in

SHEET:

DETAILS

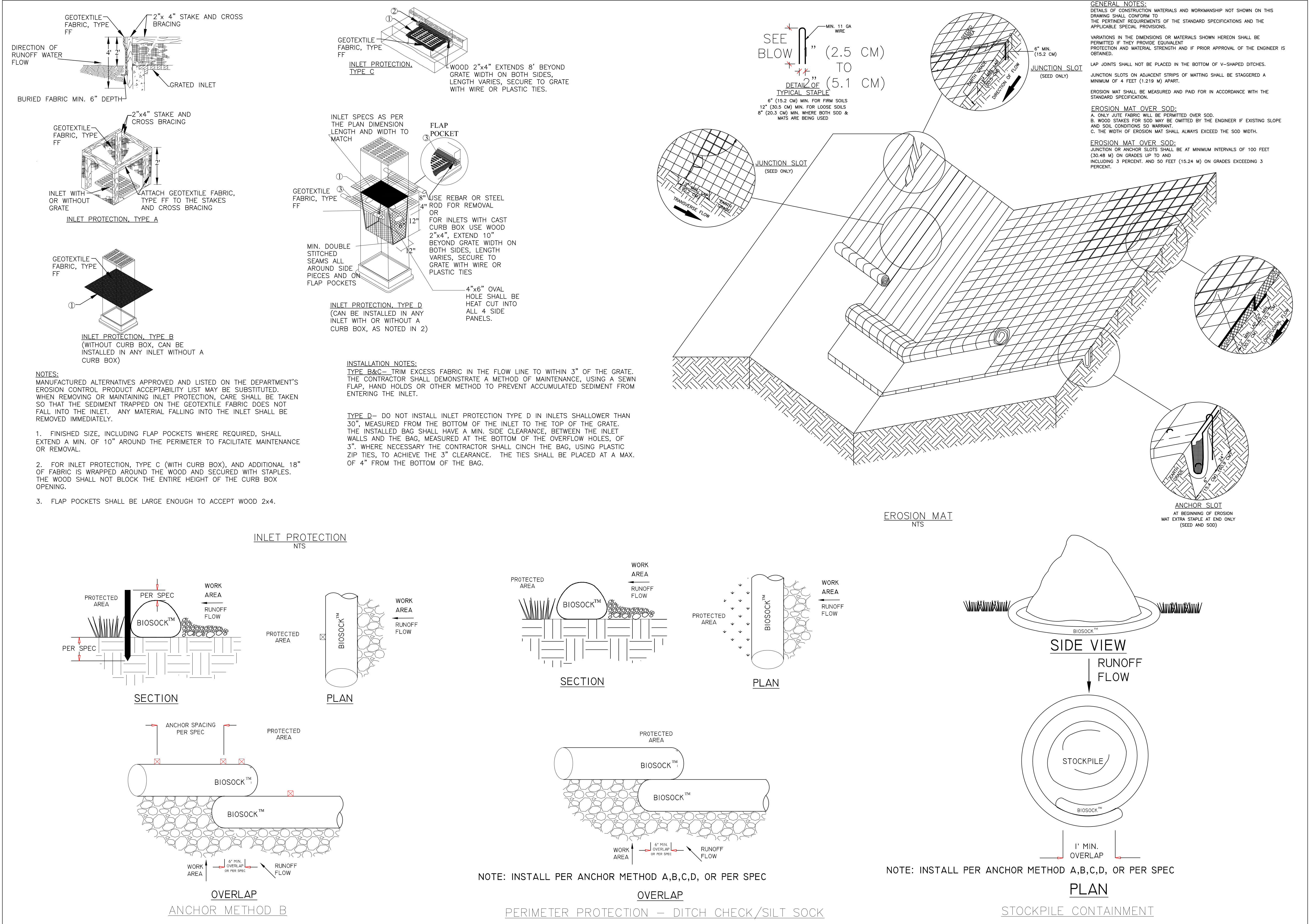
PROJECT MANAGER: DMJ

PROJECT NUMBER: 17.0061.06

DATE: 7-12-2022

SHEET NUMBER:

1.2





7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

kapurinc.com

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6 CONSTRUCTION PLANS

REVISIONS:

#	DATE	DESCRIPTION

all in

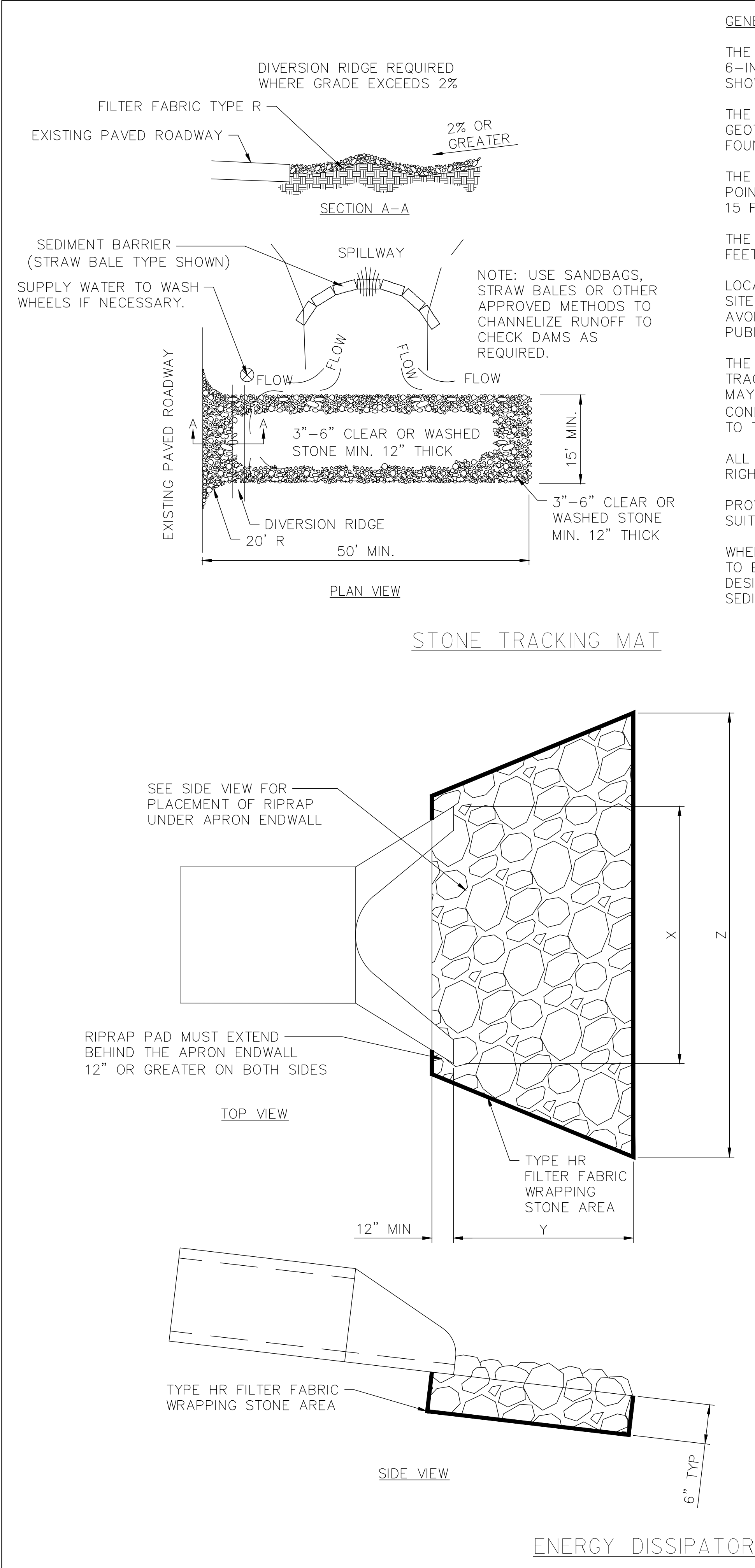
SHEET:

DETAILS

PROJECT MANAGER: DMJ
PROJECT NUMBER: 17.0061.06
DATE: 7-12-2022

SHEET NUMBER:

1.3



GENERAL NOTES:

THE AGGREGATE SIZE FOR CONSTRUCTION OF THE PAD SHALL BE 3- TO 6-INCH STONE. PLACE THE GRAVEL TO THE SPECIFIC GRADE & DIMENSIONS SHOWN ON THE PLANS & GRADE TO CREATE A SMOOTH SURFACE.

THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES. USE GEOTEXTILE FABRICS, IF NECESSARY, TO IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS & IN ANY CASE SHALL NOT BE LESS THAN 15 FEET WIDE.

THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.

LOCATE CONSTRUCTION ENTRANCES & EXITS TO LIMIT SEDIMENT LEAVING THE SITE & TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID ENTRANCES WHICH HAVE STEEP GRADES & ENTRANCES AT CURVES IN PUBLIC ROADS.

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, & REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.

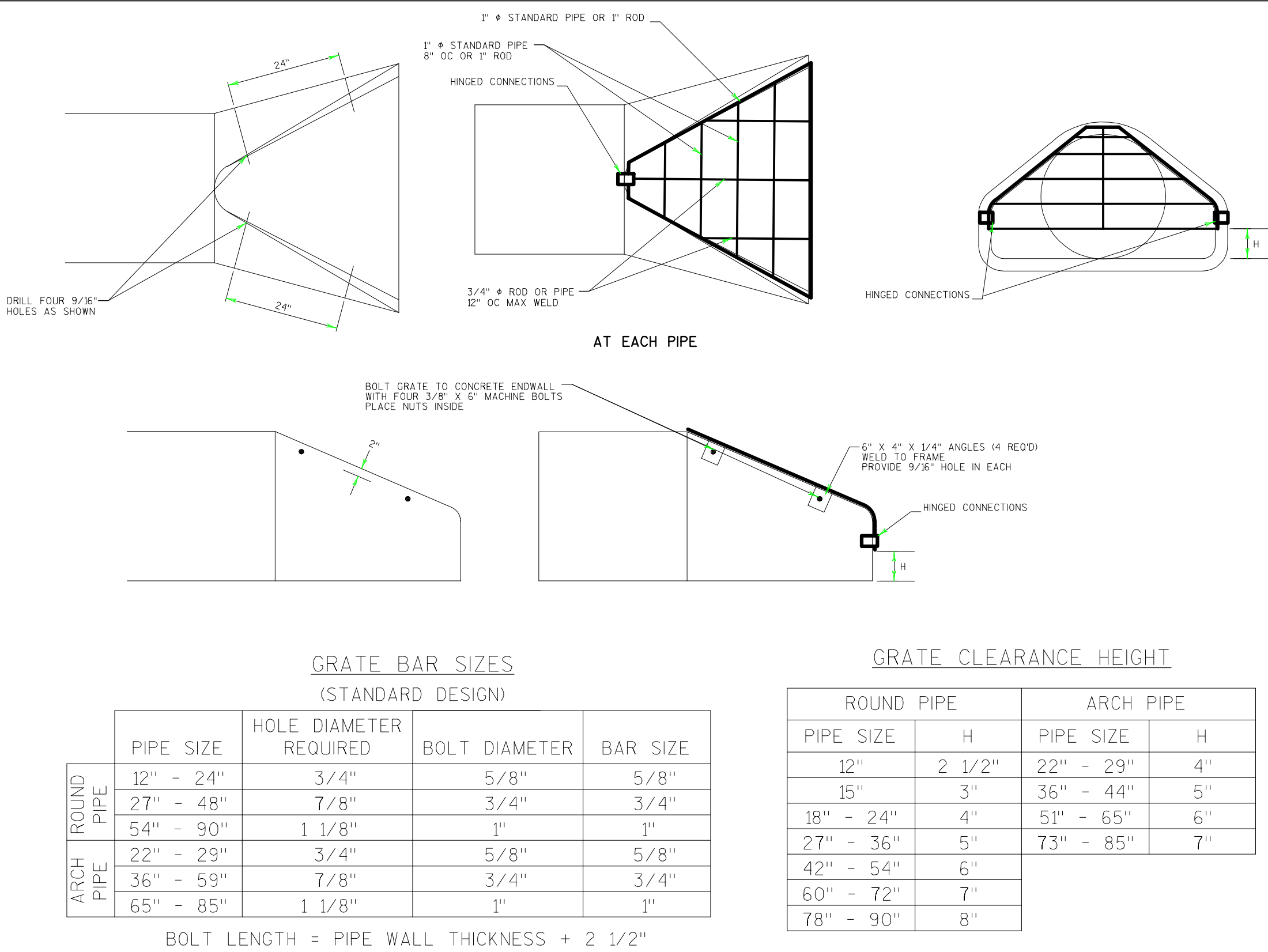
PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.

WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, DESIGNATE AN AREA WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

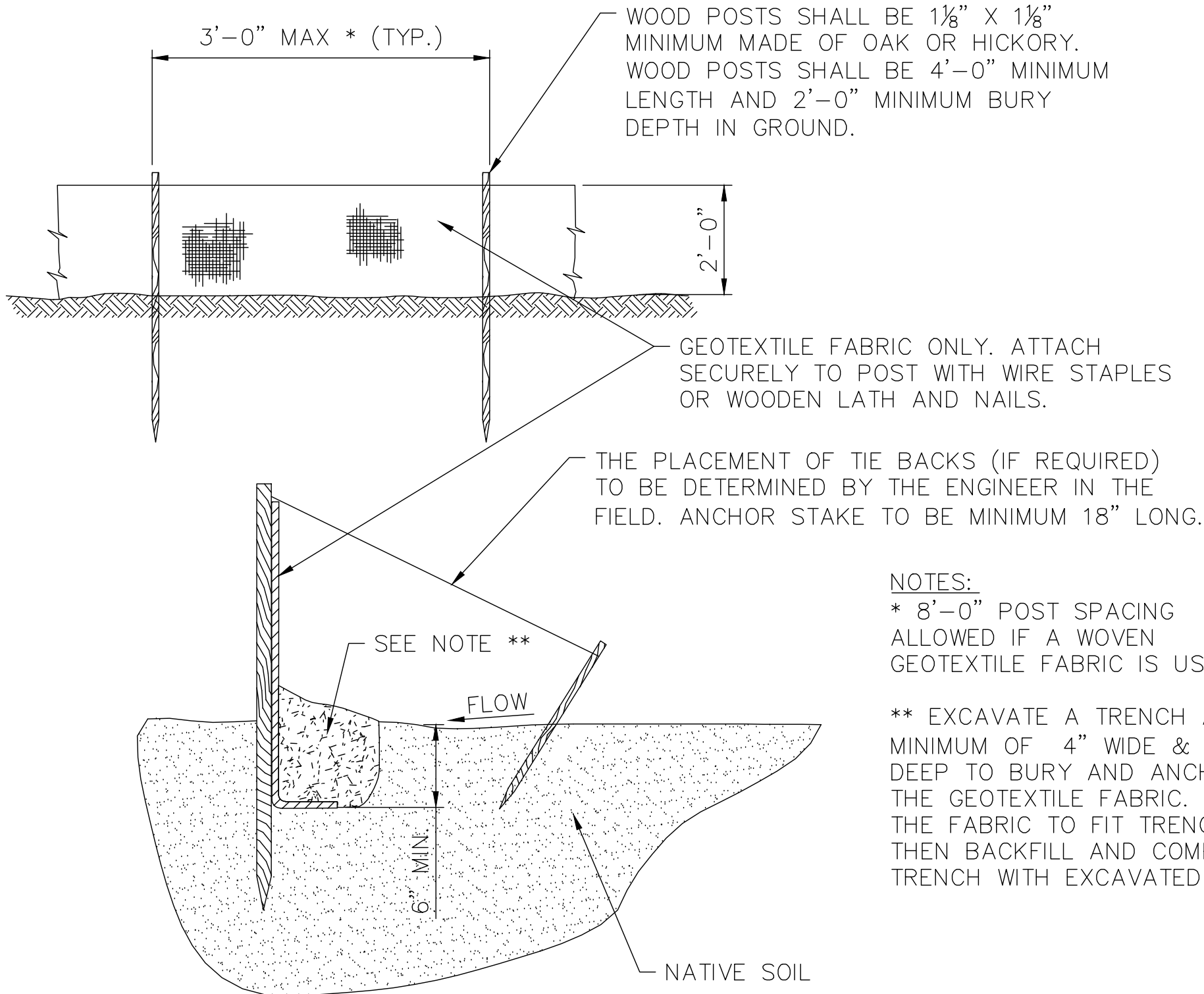
DIA	X	Y	Z
(INCH)	(INCH)	(INCH)	(INCH)
12	24	120	48
15	30	120	60
18	36	120	60
21	42	120	72
24	48	120	72
27	54	120	81
30	60	120	90
36	72	120	108
42	78	120	120
48	84	120	120
54	90	120	150
60	96	120	162
66	102	120	174
72	108	120	186

NOTES:

- 1) STANDARD SPECIFICATION SHALL APPLY TO ALL INSTALLATIONS.
- 2) PIPES 36" AND GREATER SHALL HAVE JOINT TIES.
- 3) PIPES 36" OR GREATER SHALL HAVE 50% OF THE RIPRAP PAD PLACED WITH A SLURRY GROUT MIX ON AN UNEVEN RIPRAP SURFACE.
- 4) TWIN APRON INSTALLATIONS SHALL BE GOVERNED BY THE OUTSIDE DIMENSIONS OF A SINGLE PIPE.
- 5) MEDIUM RIPRAP d50 - 50% SHALL BE LARGER THAN 6" MINIMUM DIAMETER .



PIPE GRATE



NOTES:

* 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

** EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD THE FABRIC TO FIT TRENCH THEN BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.

SILT FENCE



7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

kapurinc.com

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6 CONSTRUCTION PLANS

REVISIONS:

#	DATE	DESCRIPTION

all in

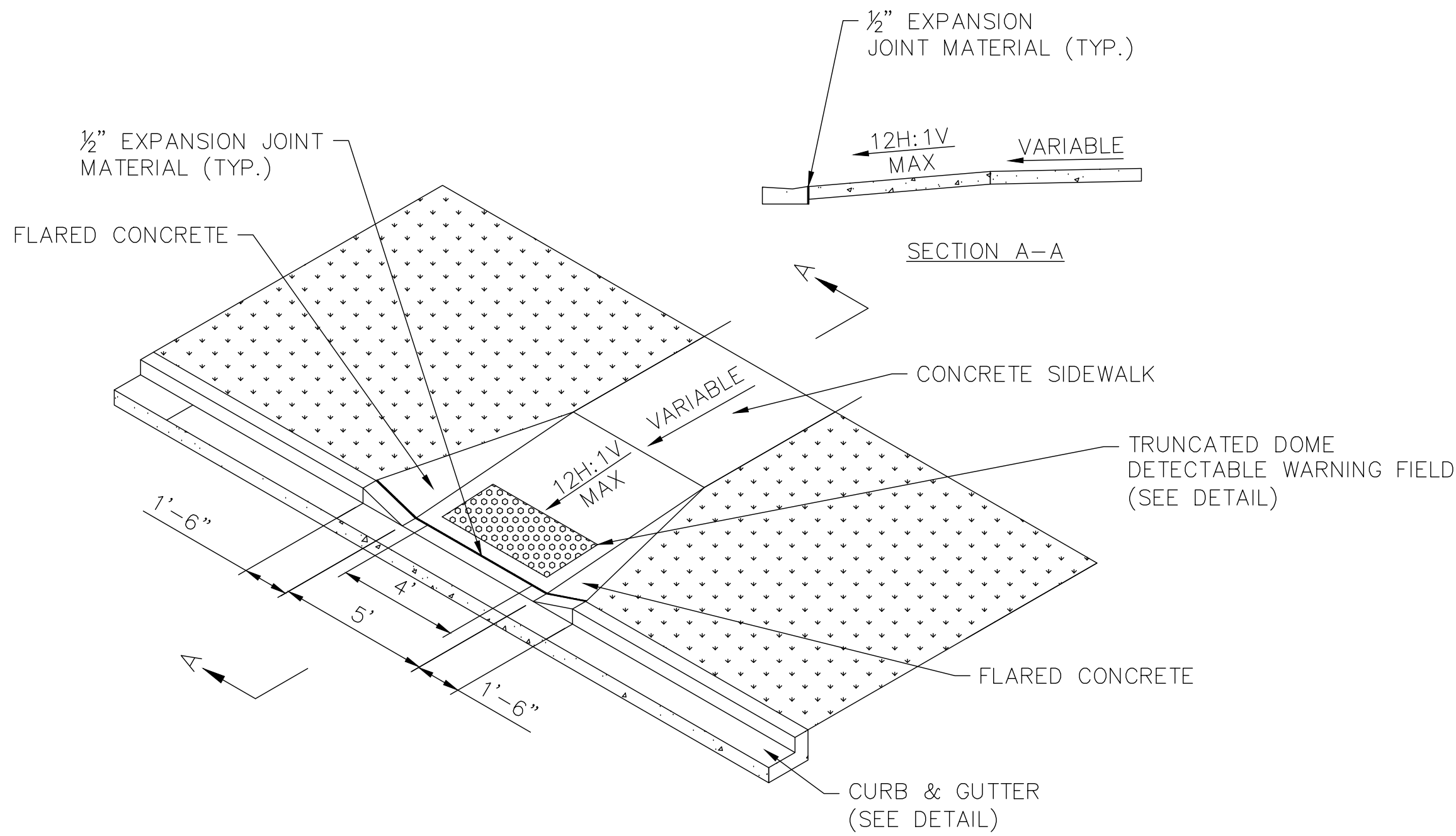
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DETAILS

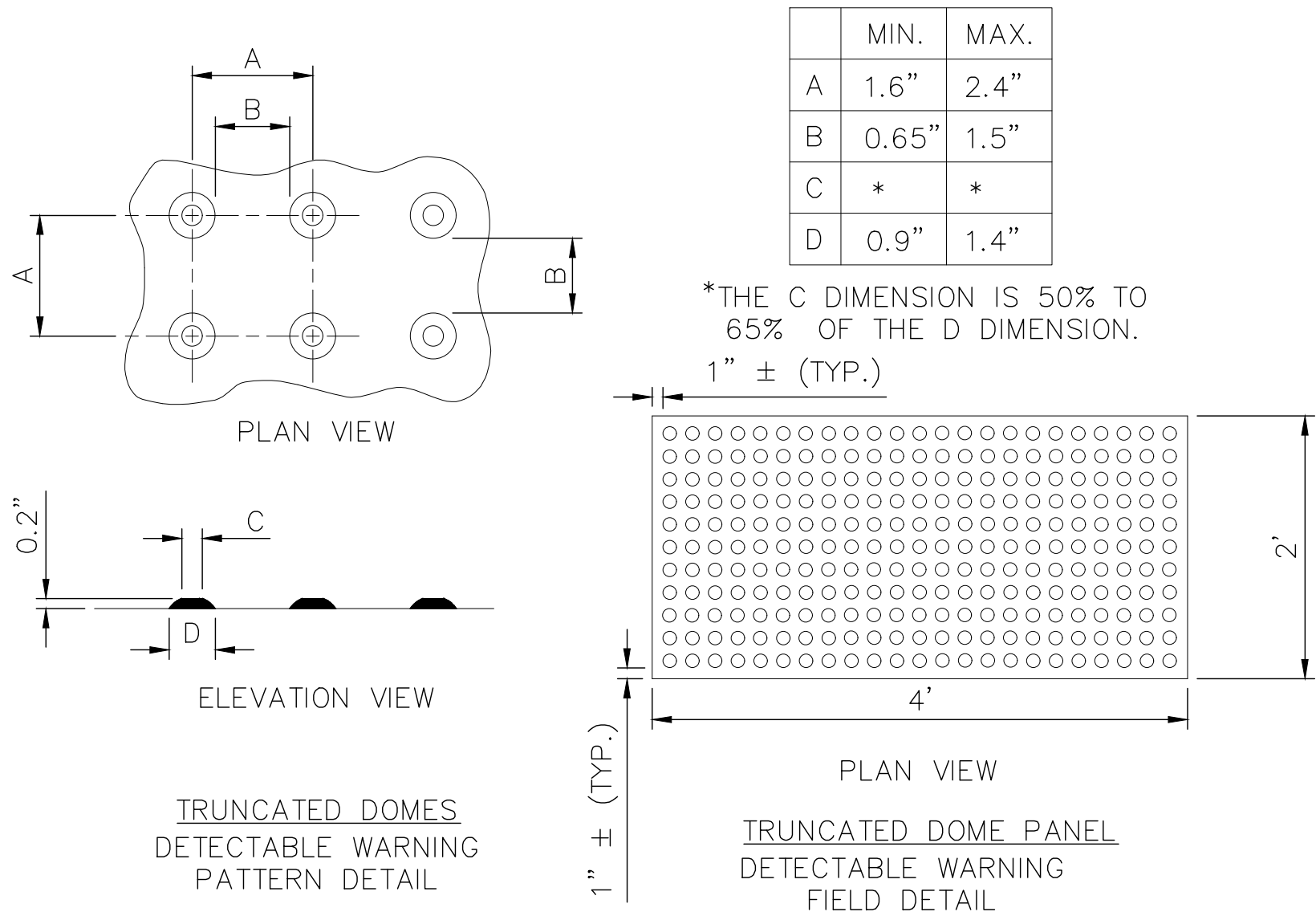
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PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

1.4



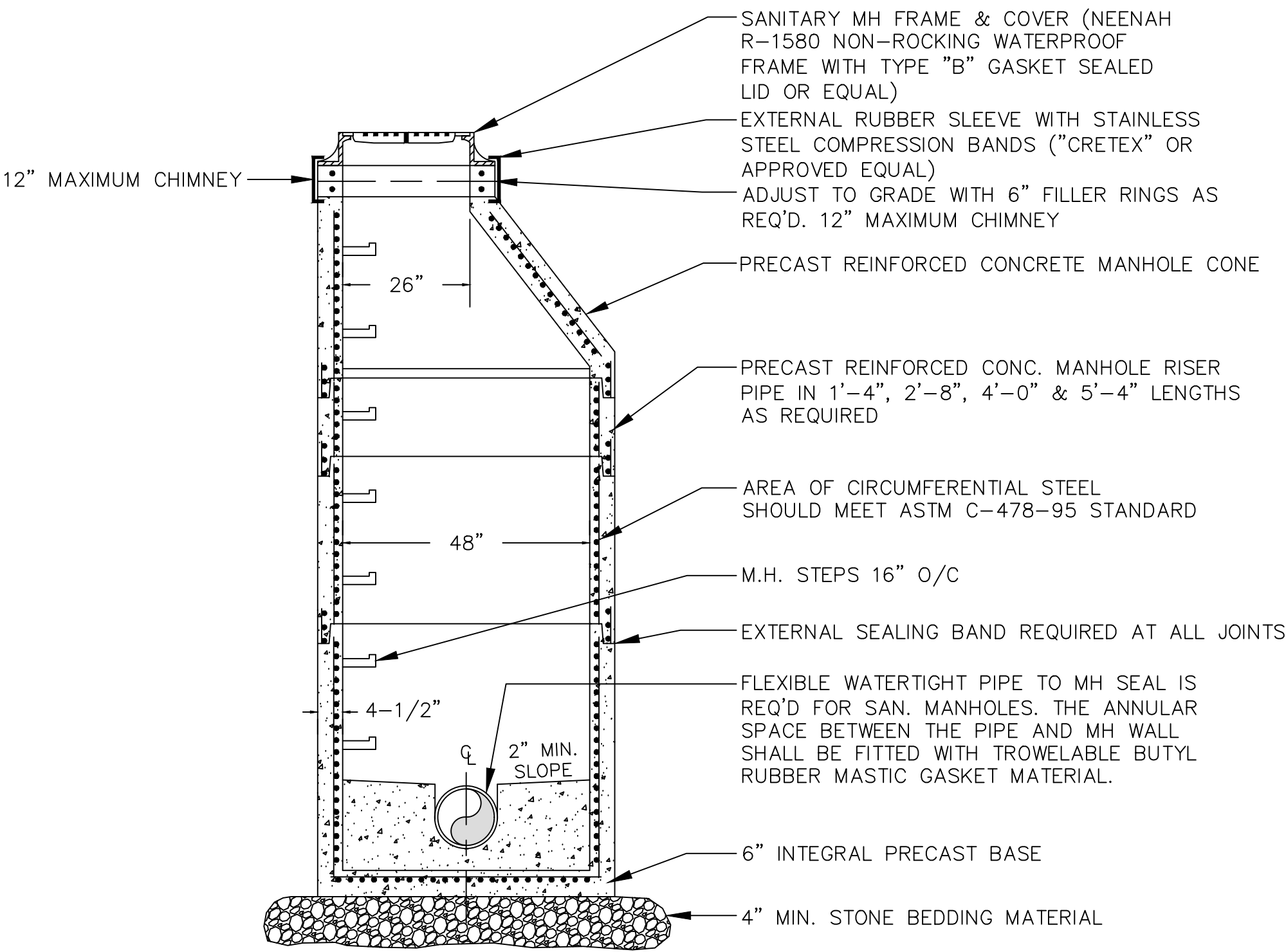
ACCESSIBILITY RAMP DETAIL WITH TRUNCATED DOME DETECTABLE WARNING FIELD



GENERAL NOTES

TRUNCATED DOME DETECTABLE WARNING FIELD SHALL CONSIST OF CAST IRON OR STAINLESS STEEL PLATES WITH A FEDERAL YELLOW POWDER-COATED FINISH, SUCH AS THOSE MANUFACTURED BY NEENAH FOUNDRY. IF 24"x48" PLATES ARE NOT AVAILABLE, TWO 24"x24" PLATES SHALL BE USED. THE DETECTABLE WARNING FIELD SHALL BE LOCATED SO THAT IT IS CENTERED IN THE CURB RAMP WITH THE EDGE NEAREST THE BACK OF CURB A MINIMUM OF 6" AND A MAXIMUM OF 8" AWAY FROM THE BACK OF CURB. IN LOCATIONS WHERE THE RAMP IS SKEWED TO THE CURB, THE DETECTABLE WARNING FIELD IS TO RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL, WITH THE EDGE NEAREST THE BACK OF CURB 4" AWAY FROM THE BACK OF CURB.

PAINTED TRUNCATED DOME DETECTABLE WARNING FIELD



SANITARY MANHOLE DETAIL

SANITARY MANHOLE NOTES:

- 1.) PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
- 2.) CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
- 3.) JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
- 4.) 4" MIN. BEDDING MATERIAL REQUIRED UNDER MANHOLE BASE AND BACKFILLED STRUCTURE WITH GRANULAR BACKFILL MATERIAL.
- 5.) SEE STANDARD SPECIFICATIONS, FILE NO. 12 FOR PRECAST MANHOLE AND FILE NO. 13 FOR MANHOLE INVERTS.

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

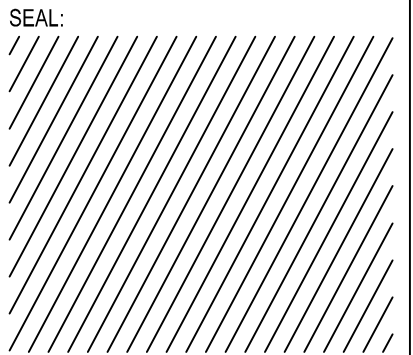
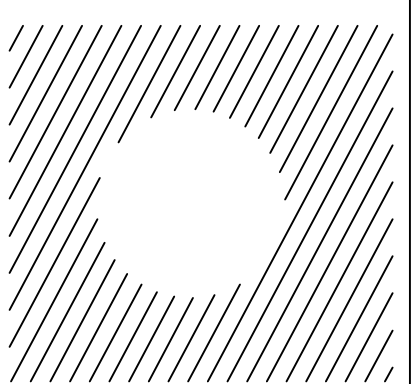
FAIRWYN

RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:

#	DATE	DESCRIPTION



all in

SHEET:

DETAILS

PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

1.5

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

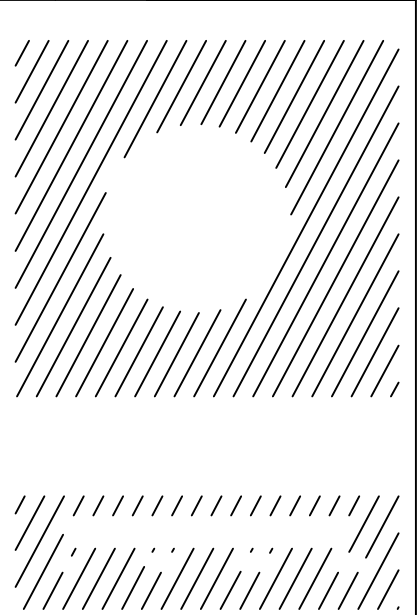
FAIRWYN

RELEASE:

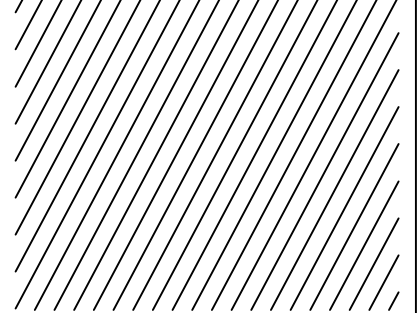
PHASE 6
CONSTRUCTION
PLANS

REVISIONS:

#	DATE	DESCRIPTION



SEAL:



all in

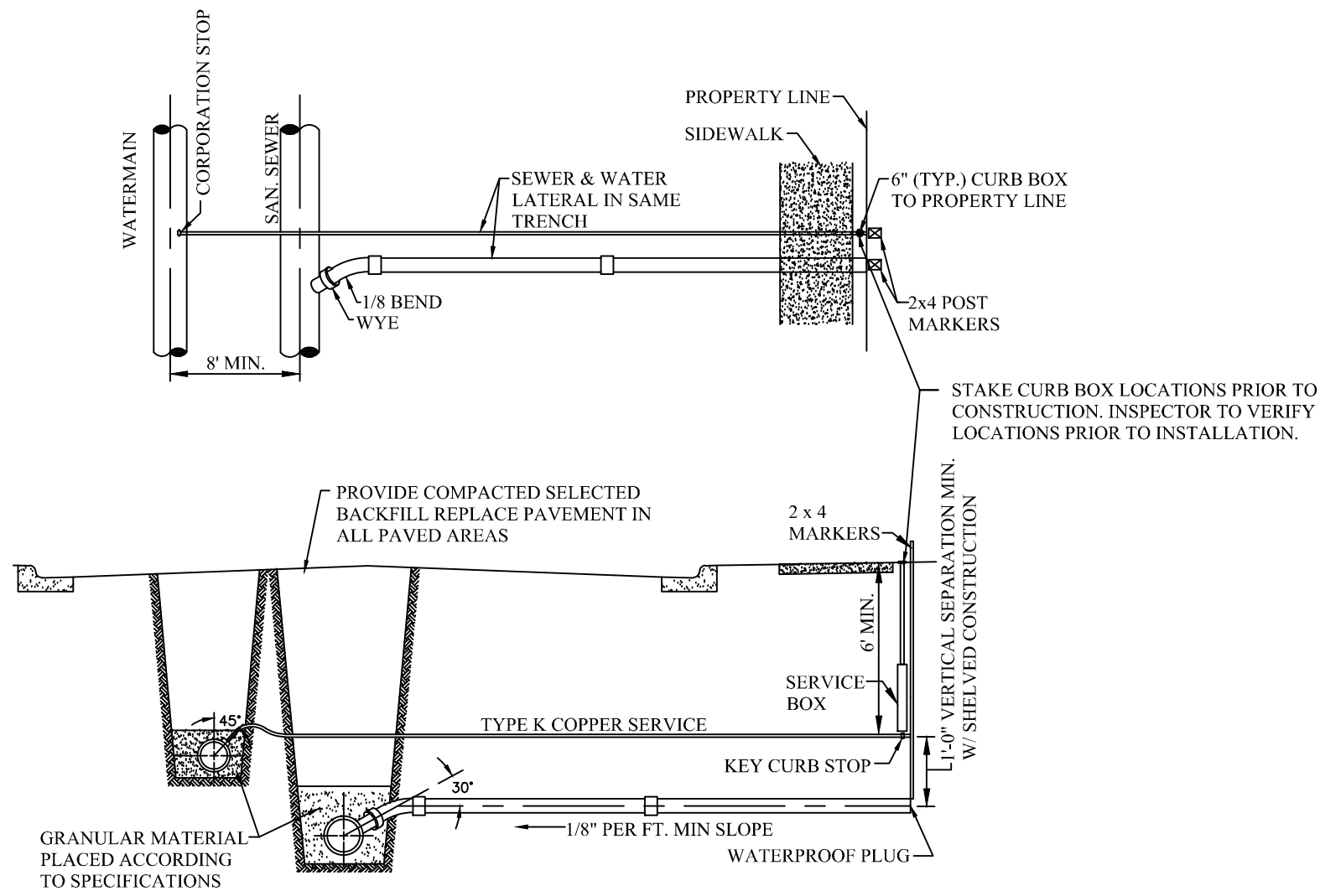
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DETAILS

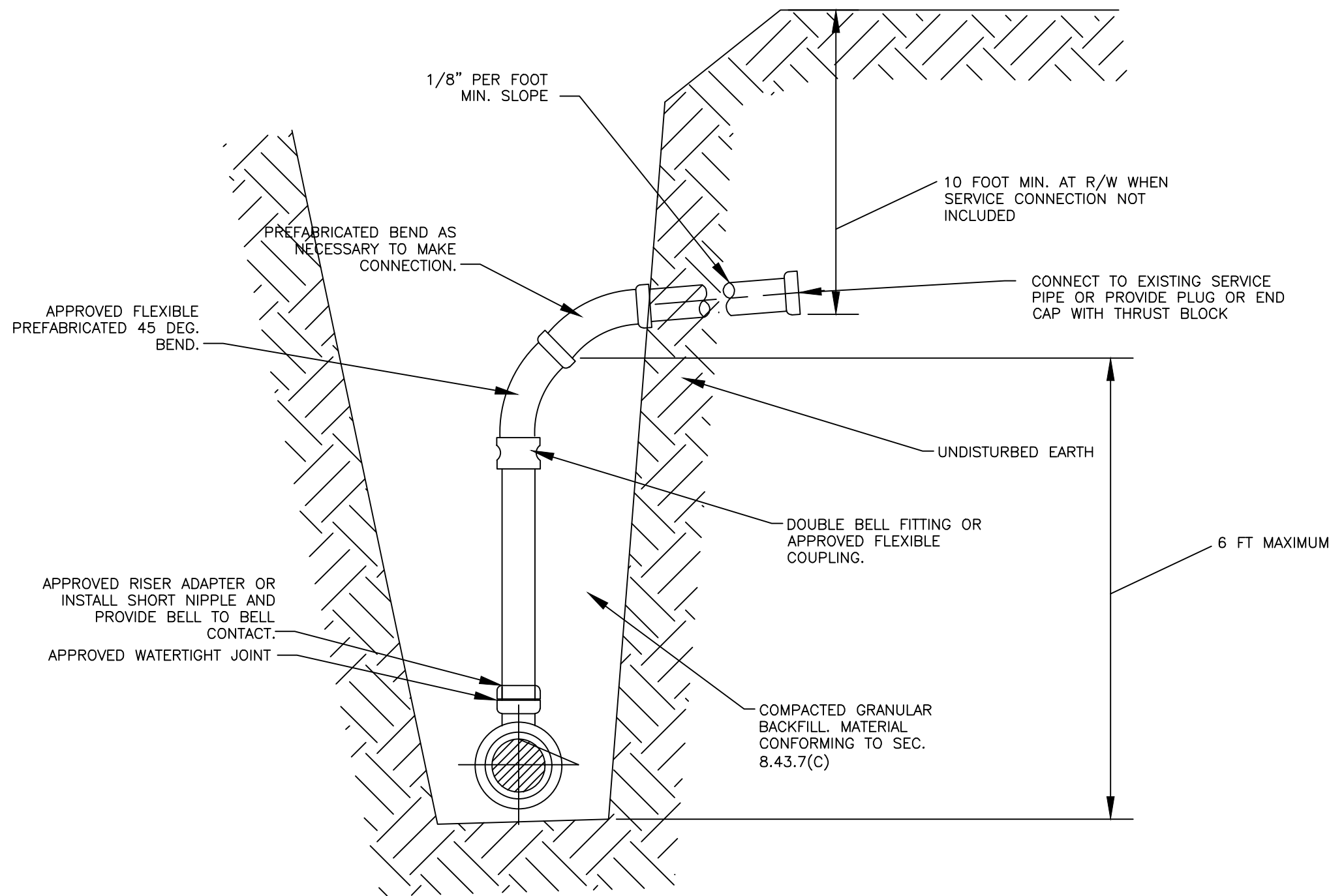
PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

1.6



SEWER LATERALS < 14' DEEP AND WATER LATERAL CONNECTION
NTS



SEWER LATERALS > 14' DEEP CONNECTION
NTS

LOT #	GRADE AT INV OF SEWER	FINISH GRADE	SANITARY MAIN DIA.	LATERAL LENGTH	IE @ ROW	FYG	TF	LATERAL INVERT AT MAIN AFTER WYE	RISER HEIGHT	ELEVATION AT RISER	SLOPE	NOTES
148-WEST	897.33	905.62	8.00	35.7	898.0	908.2	908.8	897.58	0.00	N/A	1.19%	LAY WYE FLAT AT MAIN
148-EAST	897.31	905.65	8.00	36.2	898.0	908.2	908.8	897.56	0.00	N/A	1.21%	LAY WYE FLAT AT MAIN
149-WEST	897.06	906.11	8.00	34.1	897.7	907.8	908.4	897.31	0.00	N/A	1.17%	LAY WYE FLAT AT MAIN
149-EAST	896.82	906.45	8.00	31.6	897.5	907.8	908.4	897.07	0.00	N/A	1.28%	LAY WYE FLAT AT MAIN
150-WEST	896.51	906.79	8.00	33.4	897.8	908.3	909.0	897.35	0.00	N/A	1.35%	
150-EAST	896.49	906.82	8.00	33.7	897.8	908.3	909.0	897.33	0.00	N/A	1.38%	
151-WEST	896.15	907.31	8.00	33.4	897.8	908.6	909.3	896.98	0.00	N/A	2.45%	
151-EAST	896.13	907.34	8.00	33.1	897.8	908.6	909.3	896.96	0.00	N/A	2.50%	
152	885.95	898.15	8.00	30.0	888.8	899.6	900.3	886.78	1.00	888.12	2.36%	
153	884.92	897.45	8.00	33.6	888.1	899.0	899.7	885.75	1.00	887.09	2.91%	
154	884.01	896.75	8.00	36.9	887.9	898.5	899.2	884.84	2.00	887.18	1.82%	
155	882.82	896.03	8.00	36.5	886.9	897.8	898.4	883.65	2.00	885.98	2.56%	
156	881.90	895.41	8.00	33.0	886.1	897.0	897.7	882.73	2.00	885.07	3.01%	
157	877.97	864.63	8.00	30.0	885.7	896.3	896.9	878.81	6.00	885.14	1.73%	
158	875.05	893.81	8.00	30.0	884.9	895.6	896.2	875.88	8.00	884.22	2.13%	
174	877.09	887.80	8.00	28.4	878.6	889.6	890.2	877.92	0.00	N/A	2.53%	
175	877.32	889.20	8.00	47.7	879.5	890.3	891.0	878.16	0.00	N/A	2.71%	
176	877.48	889.76	8.00	44.7	879.8	890.8	891.4	878.31	0.00	N/A	3.24%	
177	877.53	890.05	8.00	48.8	879.9	890.8	891.4	878.36	0.00	N/A	3.05%	
178	877.82	890.18	8.00	30.0	881.5	892.0	892.7	878.65	2.00	880.98	1.56%	
179	878.10	891.45	8.00	30.0	882.2	893.1	893.8	878.93	2.00	881.26	3.05%	
180	878.34	892.55	8.00	30.0	883.4	894.3	894.9	879.17	3.00	882.50	2.88%	
181	878.60	893.74	8.00	30.1	884.5	895.3	895.9	879.43	4.00	883.76	2.41%	
182	879.12	894.30	8.00	30.0	884.7	895.3	895.9	879.95	4.00	884.28	1.47%	
183	879.37	893.79	8.00	30.0	884.3	895.1	895.8	880.21	3.00	883.54	2.54%	
184	879.63	893.29	8.00	29.7	883.6	894.4	895.0	880.47	2.00	882.80	2.53%	
185	879.80	893.22	8.00	27.3	882.8	894.3	894.9	880.64	1.00	881.97	2.92%	
186	879.97	893.47	8.00	58.6	883.1	894.3	894.9	880.80	0.00	N/A	3.86%	
187	880.16	893.20	8.00	52.4	883.1	894.3	894.9	881.00	1.00	N/A	4.02%	
188	880.48	891.93	8.00	31.8	882.5	893.7	894.4	881.31	0.00	N/A	3.71%	
189	880.70	891.48	8.00	33.8	882.0	892.6	893.2	881.53	0.00	N/A	1.47%	
190	882.66	891.53	8.00	39.9	883.4	893.0	893.7	882.91	0.00	N/A	1.20%	LAY WYE FLAT AT MAIN
191	882.59	891.93	8.00	27.2	883.2	893.8	894.4	882.84	0.00	N/A	1.43%	LAY WYE FLAT AT MAIN
192	882.33	893.12	8.00	28.6	883.6	894.2	894.9	883.17	0.00	N/A	1.64%	
196	881.98	895.35	8.00	25.9	886.6	897.3	897.9	882.82	3.00	886.15	1.77%	
197	883.21	896.28	8.00	22.9	886.9	897.8	898.4	884.04	2.00	886.38	2.44%	
198	884.47	897.21	8.00	24.6	888.0	898.5	899.2	885.30	2.00	887.64	1.39%	
199	885.73	898.00	8.00	30.0	888.5	899.3	899.9	886.56	1.00	887.90	2.16%	
200	886.74	898.71	8.00	30.0	889.4	900.0	900.7	887.57	1.00	888.91	1.69%	
201	887.74	899.41	8.00	30.0	889.7	900.8	901.4	888.57	0.00	N/A	3.72%	
202	888.74	900.12	8.00	30.0	890.6	901.5	902.2	889.57	0.00	N/A	3.25%	
203	889.94	900.87	8.00	29.7	891.5	902.3	902.9	890.78	0.00	N/A	2.43%	
204	890.72	901.75	8.00	25.1	892.2	903.0	903.7	891.56	0.00	N/A	2.59%	
205	891.42	902.52	8.00	25.8	892.9	903.8	904.4	892.25	0.00	N/A	2.68%	
206	892.07	903.23	8.00	27.2	893.7	904.5	905.2	892.90	0.00	N/A	2.79%	
207	892.72	903.91	8.00	27.5	894.4	905.3	905.9	893.56	0.00	N/A	2.91%	
208	893.35	904.59	8.00	29.5	894.9	905.8	906.4	894.18	0.00	N/A	2.60%	
209	893.89	905.10	8.00	22.8	895.6	906.8	907.4	894.72	0.00	N/A	3.94%	
210-WEST	896.46	906.86	8.00	25.9	897.1	907.8	908.4	896.71	0.00	N/A	1.67%	LAY WYE FLAT AT MAIN
210-EAST	896.44	906.89	8.00	25.7	897.1	907.8	908.4	896.69	0.00	N/A	1.72%	LAY WYE FLAT AT MAIN
211-WEST	897.07	906.09	8.00	25.9	897.6	907.5	908.2	897.32	0.00	N/A	1.13%	LAY WYE FLAT AT MAIN
211-EAST	897.05	906.12	8.00	25.9	897.6	907.5	908.2	897.30	0.00	N/A	1.18%	LAY WYE FLAT AT MAIN
323	880.51	891.91	8.00	27.7	882.0	894.0	894.7	881.35	0.00	N/A	2.51%	
324	879.54	893.46	8.00	30.0	884.2	894.7	895.4	880.37	3.00	883.71	1.51%	
325	879.28	893.98	8.00	30.0	884.3	895.1	895.8	880.11	3.00	883.45	2.72%	
326	878.76	894.24	8.00	30.0	884.5	895.1	895.8	879.60	4.00	883.93	1.84%	
327	878.50	893.29	8.00	29.9	884.3	894.9	895.6	879.34	4.00	883.67	1.95%	
328	878.24	892.11	8.00	29.9	883.1	893.9	894.5	879.07	3.00	882.41	2.33%	
329	877.98	890.92	8.00	30.0	881.9	892.8	893.4	878.82	2.00	881.15	2.62%	

SANITARY SEWER LATERALS TABLE

GENERAL NOTES

VERIFY LATERALS FOR LOT # 171, 172, 173, 212 AND 330 WERE INSTALLED AS PART OF PHASE 5 OR INSTALL AS NEEDED.

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:		
#	DATE	DESCRIPTION

all in

SHEET:

DETAILS

PROJECT MANAGER: DMJ

PROJECT NUMBER: 17.0061.06

DATE: 7-12-2022

SHEET NUMBER:

1.7

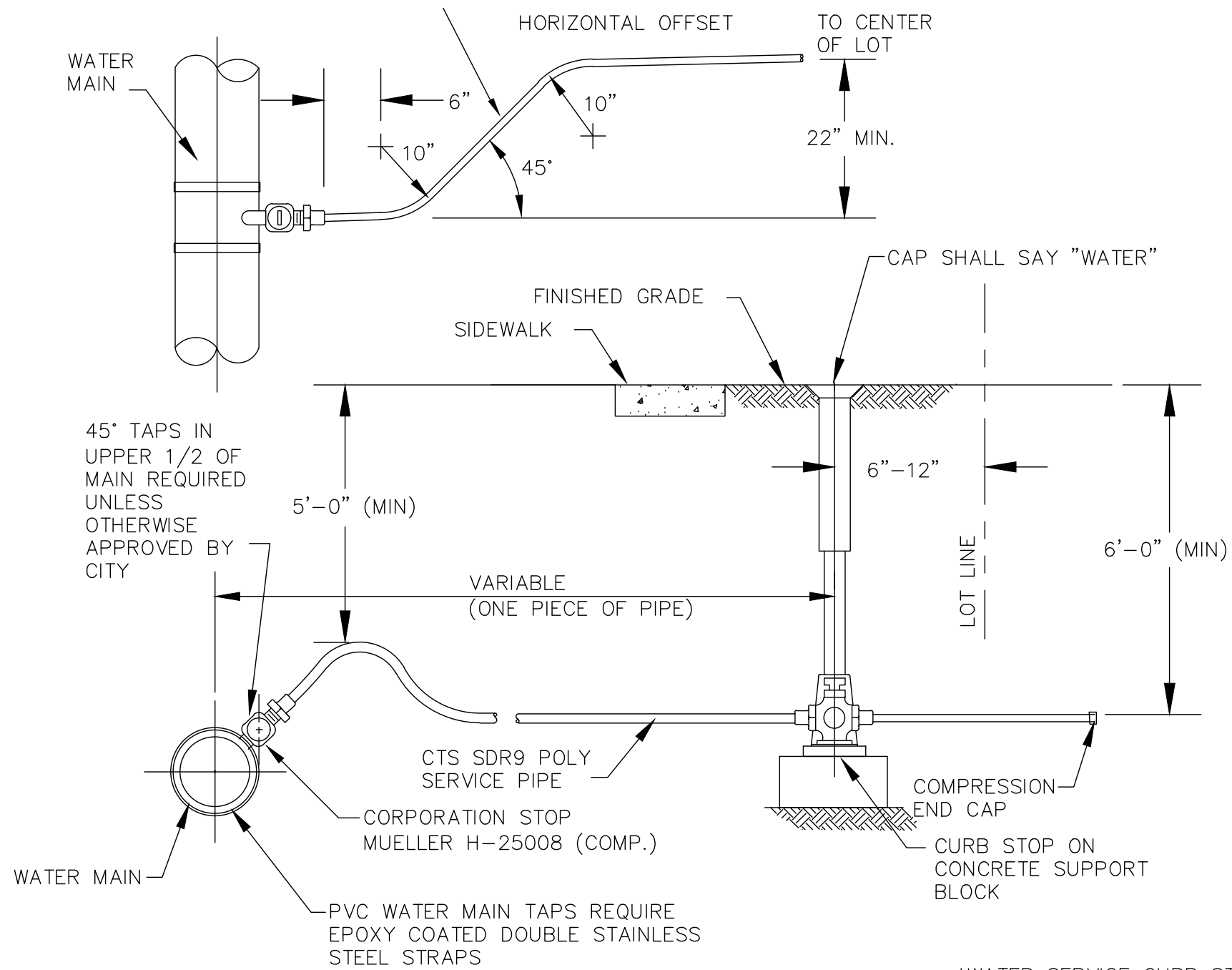
CITY OF LAKE GENEVA UTILITY COMMISSION MATERIAL REQUIREMENTS

WATER:

- PVC: 4"-12" C900 DR18 PVC WATER MAIN
PVC: 14"-36" C905 DR18 PVC WATER MAIN
TRACER WIRE: 10 GAUGE COPPERHEAD COPPERCLAD WIRE OR EQUAL
SPLICE KITS: COPPERHEAD 3WB-01 OR EQUAL
TRACER WIRE TERMINATION BOX: BINGHAM & TAYLOR P2B200NFG12W2T
DUCTILE IRON PIPE: CL53 WALL THICKNESS AWWA C151
GATE VALVE: AMERICAN FLOW CONTROL 2500 SERIES VALVE C515
BUTTERFLY VALVE (NOT LESS THAN 12"): MUELLER COMPANY B3211 SERIES BUTTERFLY VALVE
VALVE BOX: TYLER/UNION, EAST JORDAN IRON WORKS, BINGHAM AND TAYLOR DOMESTIC ONLY 3 PIECE VALVE BOX
VALVE BOX ADAPTOR: ADAPTOR INC #6 SERIES VALVE BOX ADAPTOR
HYDRANTS: 5-1/4" WATEROUS/AMERICAN FLOW CONTROL WB67 PACER, WITH FACTORY INSTALLED STORZ NOZZLE, FEDERAL SAFETY YELLOW, 6" MJ INLET, WITH 2- 2-1/2" NST HOSE NOZZLES, WITH 1-1/2" PENTAGON NUT, COUNTERCLOCKWISE OPENING
SERVICE FITTINGS: MUELLER COMPANY C110 COMPRESSION OR FORD METER BOX Q JOINT SERIES ONLY
MJ FITTINGS: C153 MECHANICAL JOINT FITTINGS MANUFACTURED BY STAR PIPE PRODUCTS, TYLER/UNION AND SIGMA CORP - DOMESTIC ONLY - NO IMPORT FITTINGS ALLOWED
MJ RESTRAINTS: EBAA IRON SERIES 2000PV FOR PVC (RED WITH BLUE NUTS), 1100 SERIES FOR DUCTILE IRON (BLACK WITH BLUE NUTS), AND 1100OX FOR CAST IRON (GRAY WITH BLUE NUTS) ONLY
WATER SERVICES: 1"- 2" CTS SDR9 POLY TUBING
CORP STOP: MUELLER COMPANY B25008 ALL SIZES CURB STOP: MUELLER COMPANY B25155 ALL SIZES
CURB BOX: MUELLER COMPANY H10300 (1-1/4 UPPER) WITH EXTENSION ROD

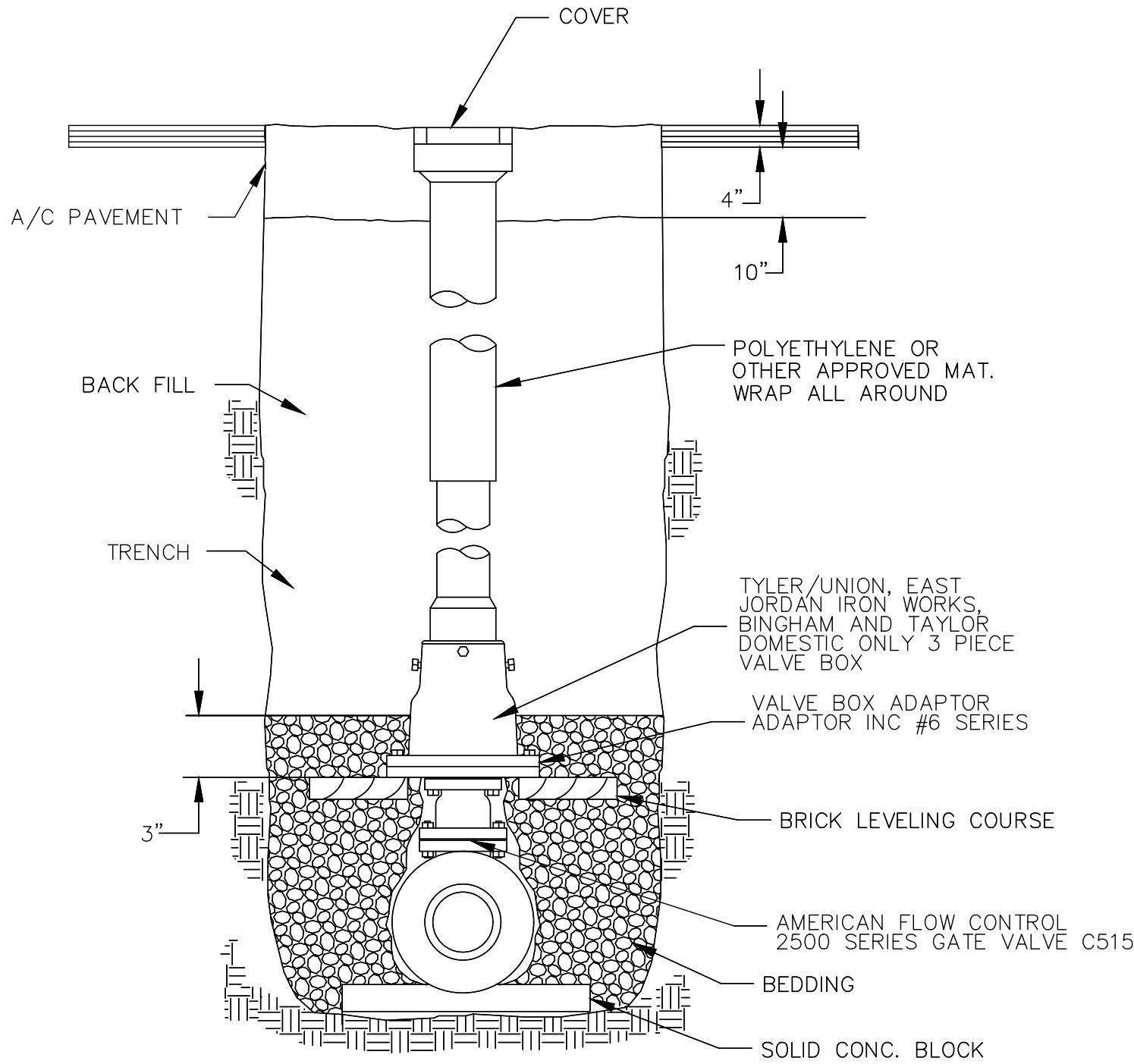
***FOR THE USE OF ANY MATERIAL CATEGORY NOT LISTED ABOVE, PLEASE CONTACT THE UTILITY COMMISSION FOR SPECIFIC REQUIREMENTS.

***PLEASE REFER TO THE CITY OF LAKE GENEVA DEVELOPMENT STANDARDS FOR SPECIFICATIONS ON THE INSTALLATION REQUIREMENTS OF THE ABOVE LISTED UTILITY MATERIALS.

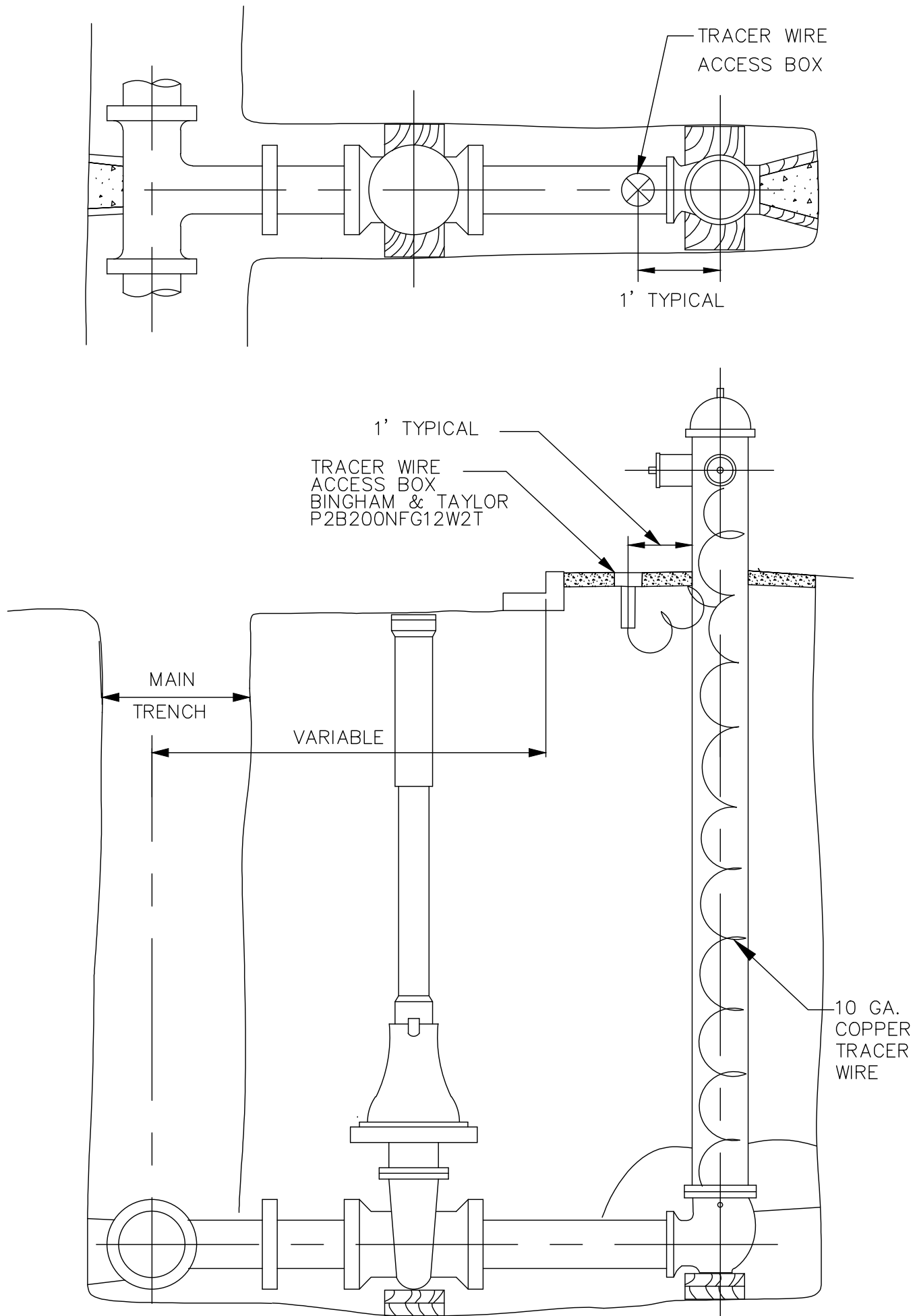


WATER MAIN SERVICE LATERAL
NTS

- *WATER SERVICE CURB STOP SHALL BE H-25155 MUELLER
- *WATER SERVICE CURB BOX SHALL BE H-10300 MUELLER (1-1/4 UPPER) WITH EXTENSION ROD

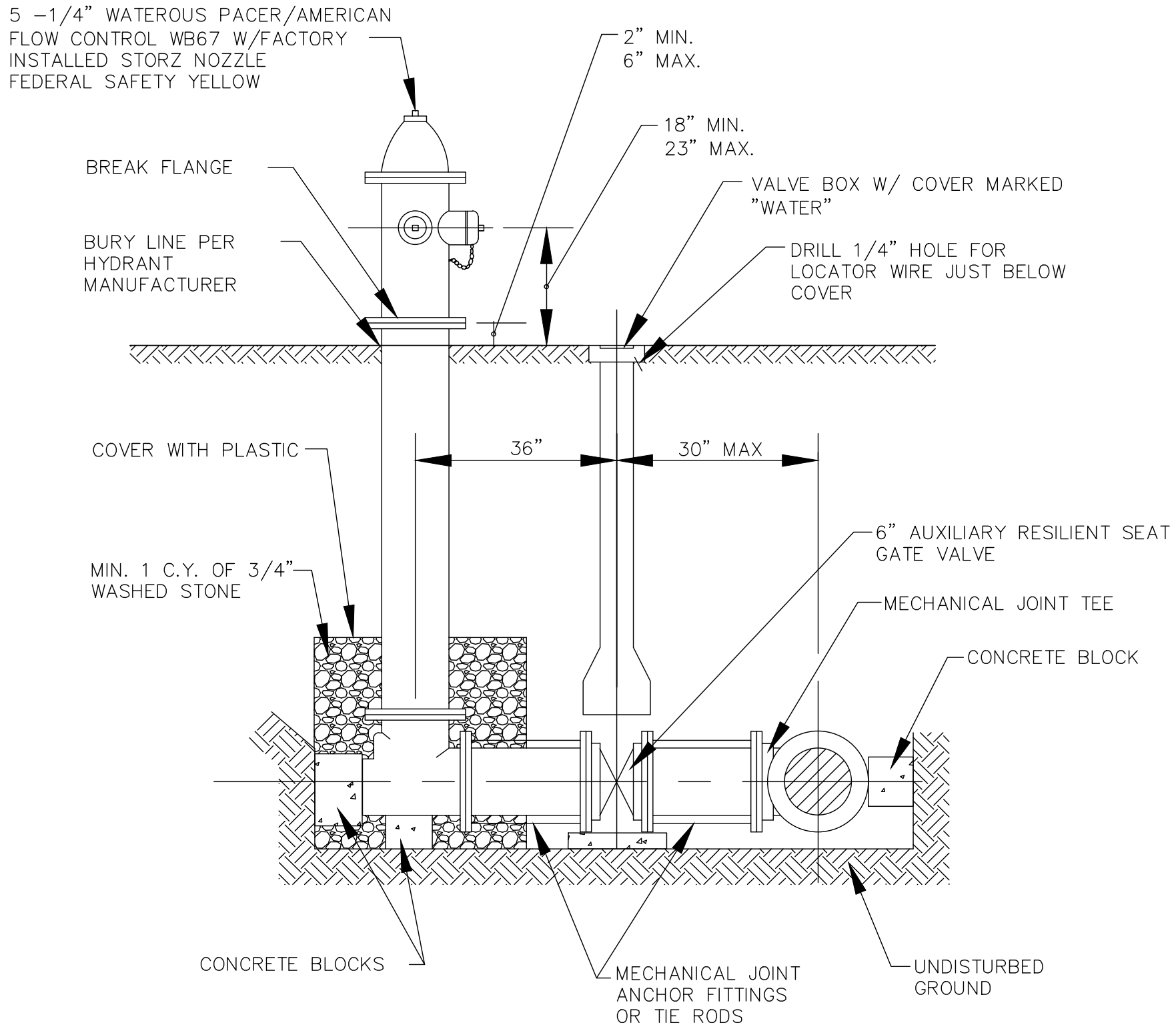


VALVE BOX DETAIL
NTS



TRACER WIRE ACCESS BOX LOCATION DETAIL
NTS

NOTE:
SPLICE TRACER WIRE AT HYDRANT & TERMINATE



- NOTES:
1. FIRE HYDRANTS SHALL BE MARKED WITH AN "X" ON THE NORTHERN MOST FLANGE BOLT AND THE ELEVATION OF THE BOLT RECORDED ON THE RECORD DRAWING FOR THE PROJECT.
 2. ALL HYDRANTS SHALL HAVE A BURY DEPTH OF 6'6".
 3. ACCEPTABLE FORMS OF BLOCKING SHALL BE ANY TWO COMBINATIONS OF THE METHODS 1, 2 OR 3 SHOWN BELOW. AUXILIARY VALVES MUST USE METHODS 1 AND 3 TO CONNECT TO THE WATER MAIN.
 1. THREADED RODS AND NUTS SHALL BE "CORTEN STEEL".
 2. BLOCKING AGAINST UNDISTURBED EARTH.
 3. RETAINING GLANDS.

WATER MAIN FIRE HYDRANT DETAIL
NTS

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6 CONSTRUCTION PLANS

REVISIONS:

[illegible]

SEAL:

all in

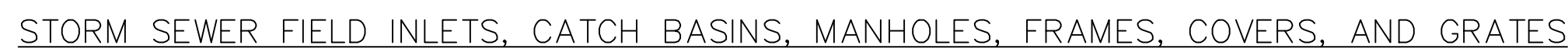
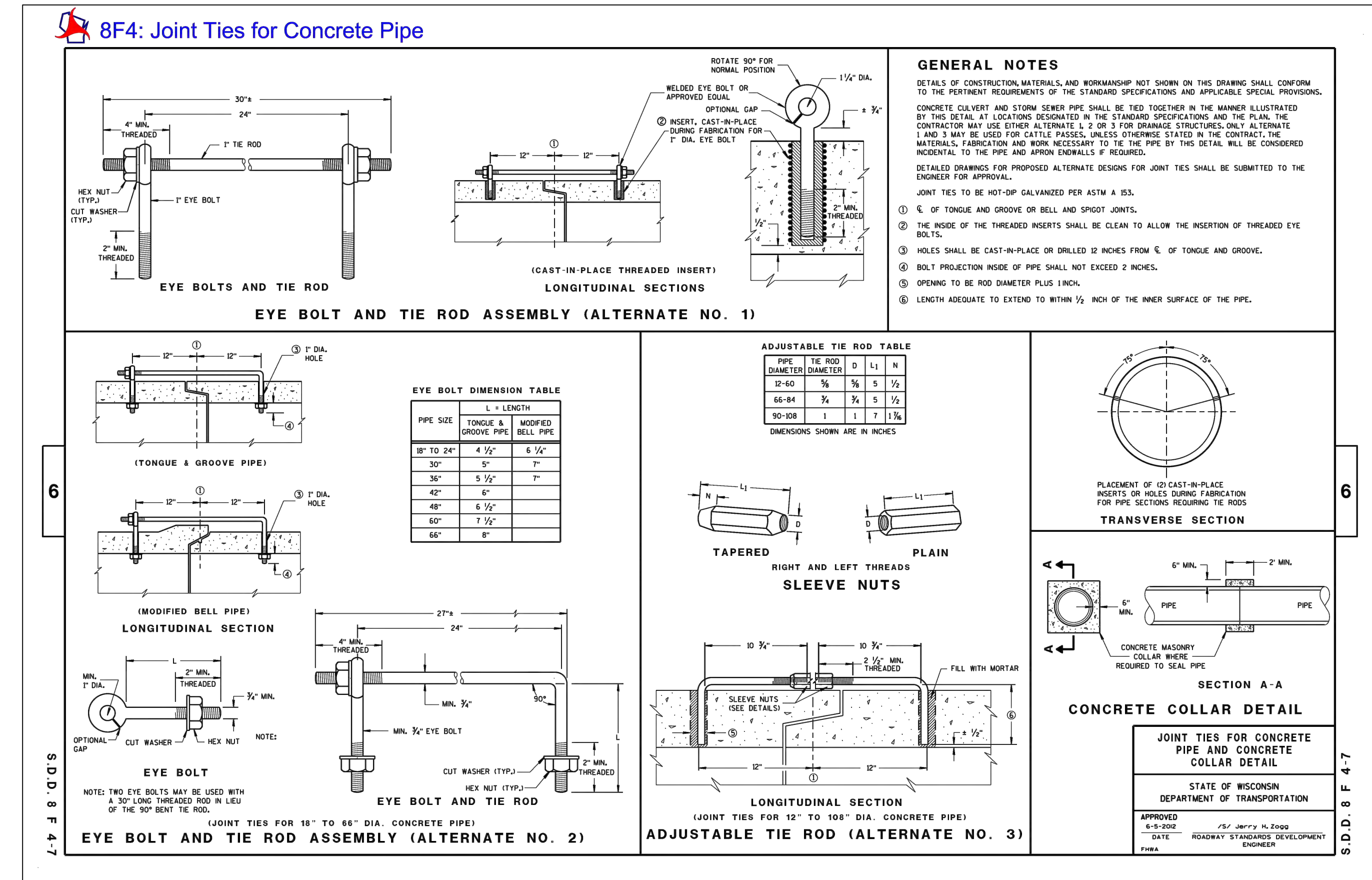
SHEET:

DETAILS

PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
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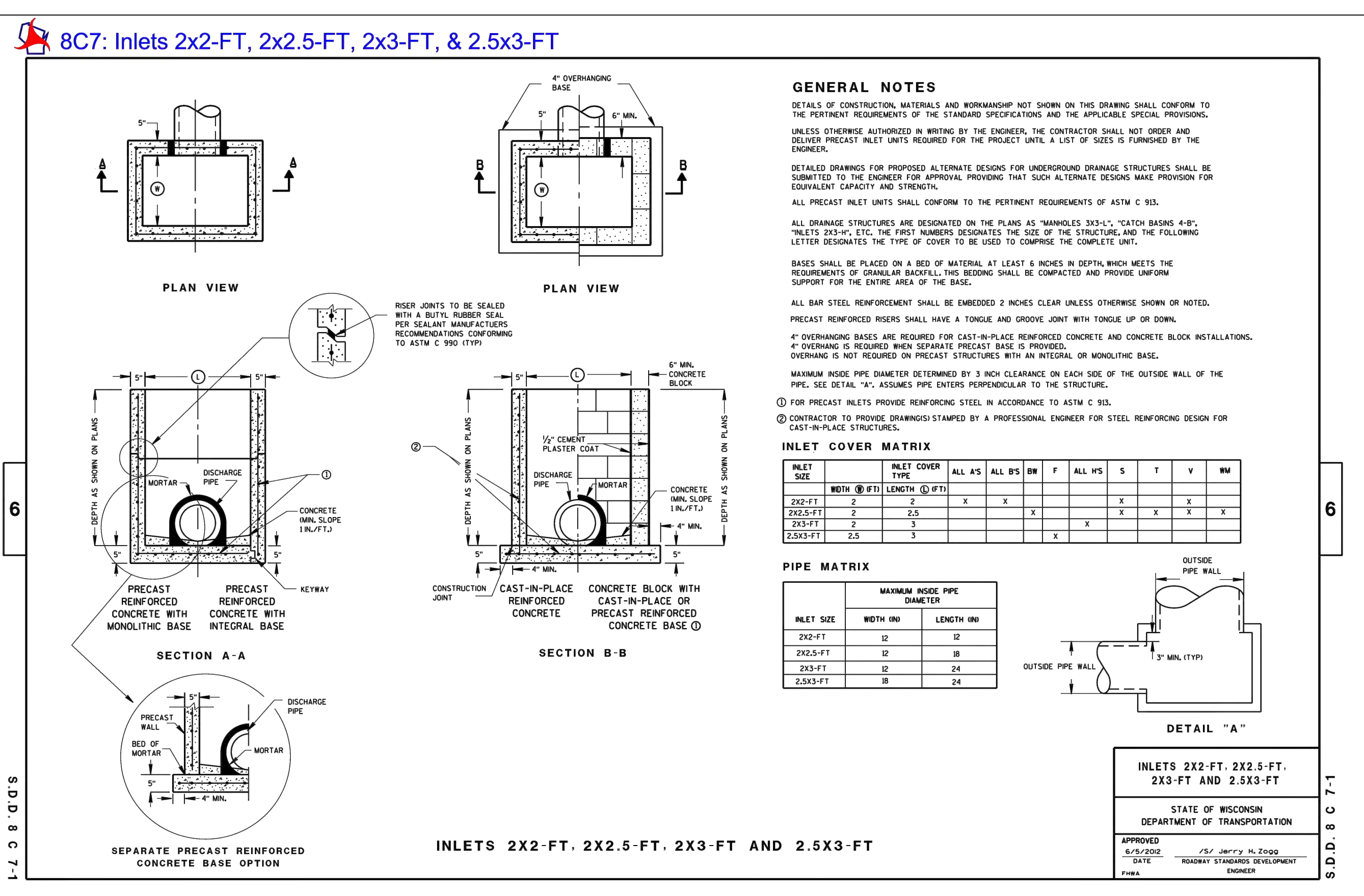
SHEET NUMBER:

1.8

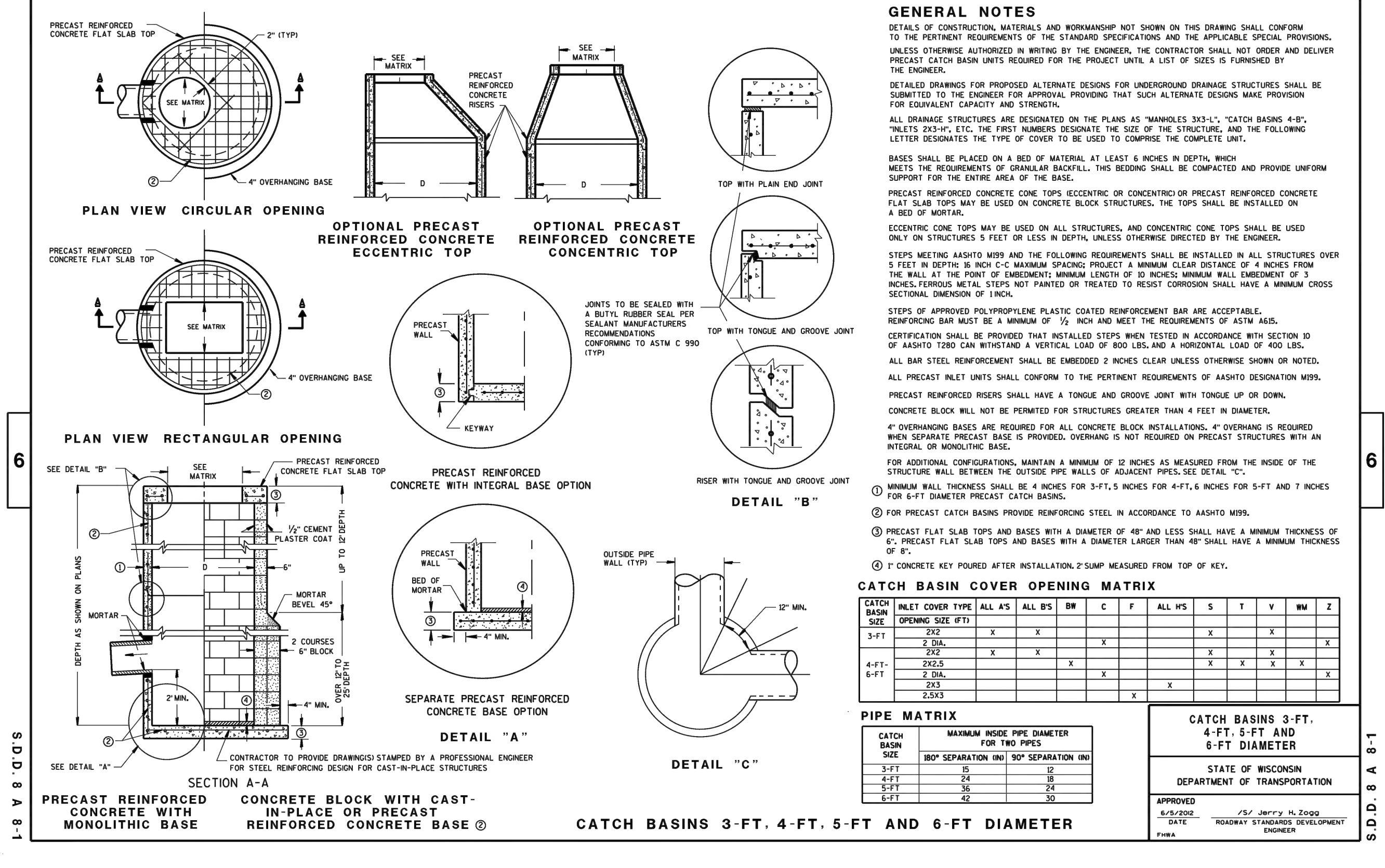


NOTES:

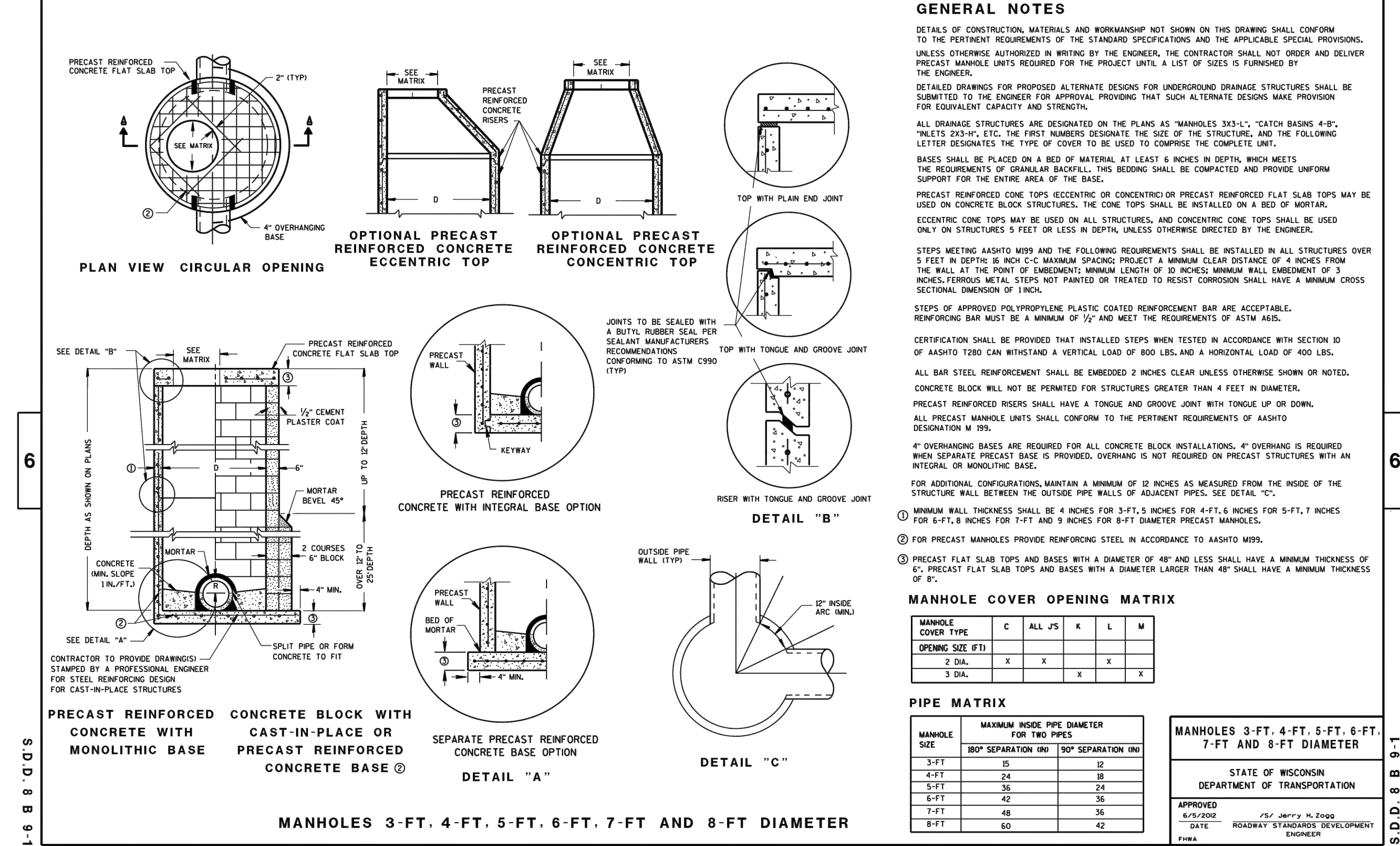
1. STORM SEWER CATCH BASINS SHALL HAVE 2-FOOT SUMPS
2. STORM SEWER CATCH BASINS FOR 2X3 FT SHALL FOLLOW SDD 8A 9-1.
3. STORM SEWER CATCH BASINS FOR 4-FT, 5-FT AND 6-FT SHALL FOLLOW SDD 8A 8-1.
4. STORM SEWER FIELD INLETS FOR 2X3 FT AND 4-FT SHALL FOLLOW SDD 8C 7-1 AND 8C 6-1.
5. STORM SEWER FIELD INLETS FOR 5-FT AND STORM SEWER MANHOLES 4-FT, 5-FT, 6-FT, 7-FT, AND 8-FT SHALL FOLLOW SDD 8B 9-1.
6. STORM SEWER FIELD INLETS SHALL USE FRAME AND GRATE NEENAH FOUNDRY R-2560-E1 OR APPROVED EQUAL.
7. STORM SEWER CATCH BASINS SHALL USE FRAME AND GRATE NEENAH FOUNDRY R-3067-L OR APPROVED EQUAL.
8. STORM SEWER MANHOLES SHALL USE FRAME AND GRATE NEENAH FOUNDRY R-1580 OR APPROVED EQUAL.
9. SDD = WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD DETAIL DRAWINGS AND CAN BE FOUND AT: <http://wisconsin.dot.gov/rdw/sdd/sd-08-00toc.pdf>



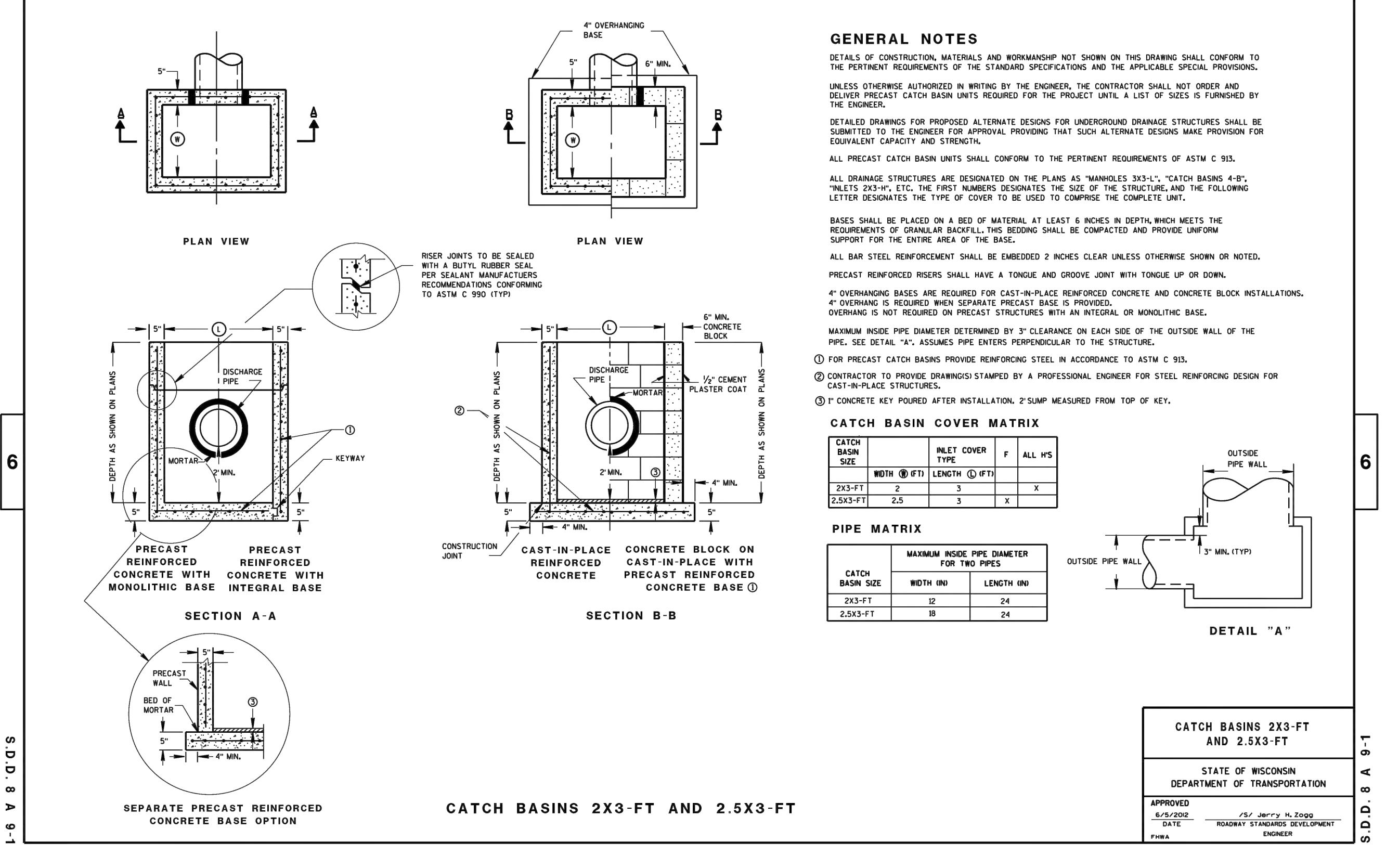
8A8: Catch Basins 3-FT, 4-FT, 5-FT & 6-FT Diameter



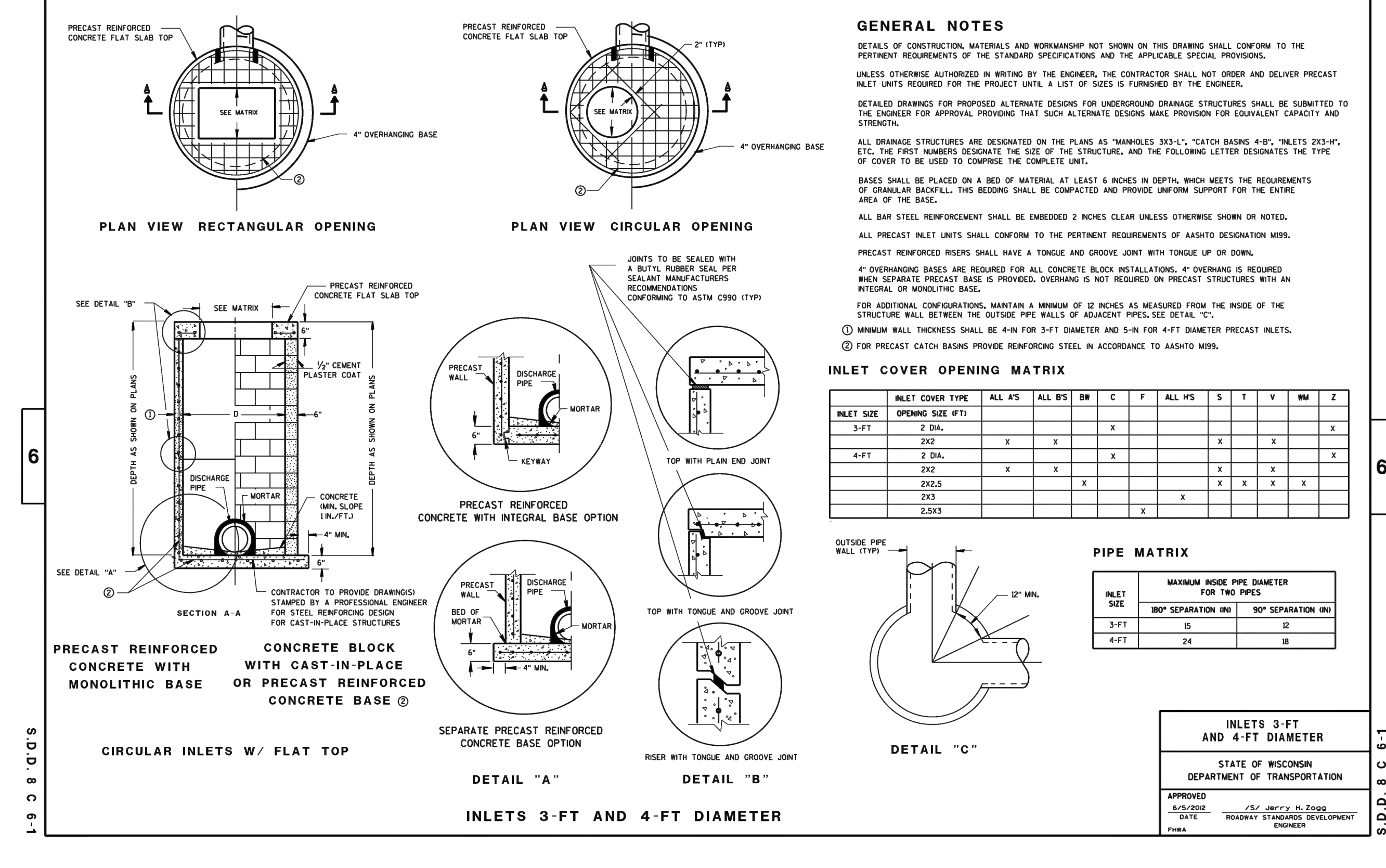
8B9: Manholes 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, & 8-FT Diameter



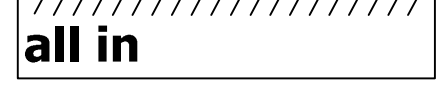
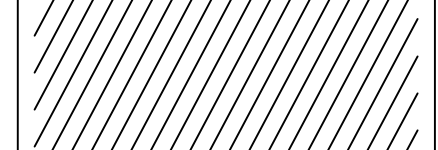
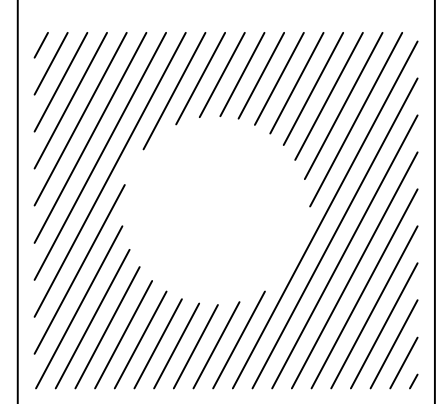
8A9: Catch Basins 2x3-FT & 2.5x3-FT



8C6: Inlets 3-FT & 4-FT Diameter



#	DATE	DESCRIPTION



PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

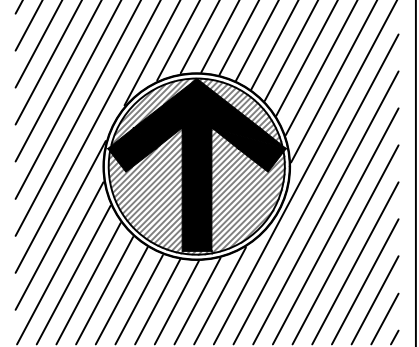
RELEASE:

PHASE 6
CONSTRUCTION
PLANS

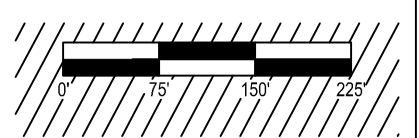
REVISIONS:

#	DATE	DESCRIPTION

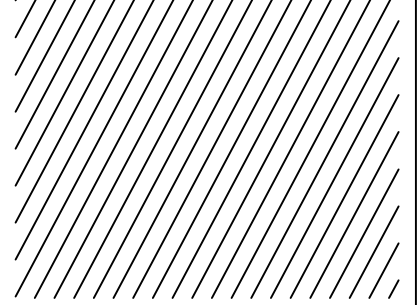
NORTH ARROW:



SCALE: 1" = 150'



SEAL:



all in

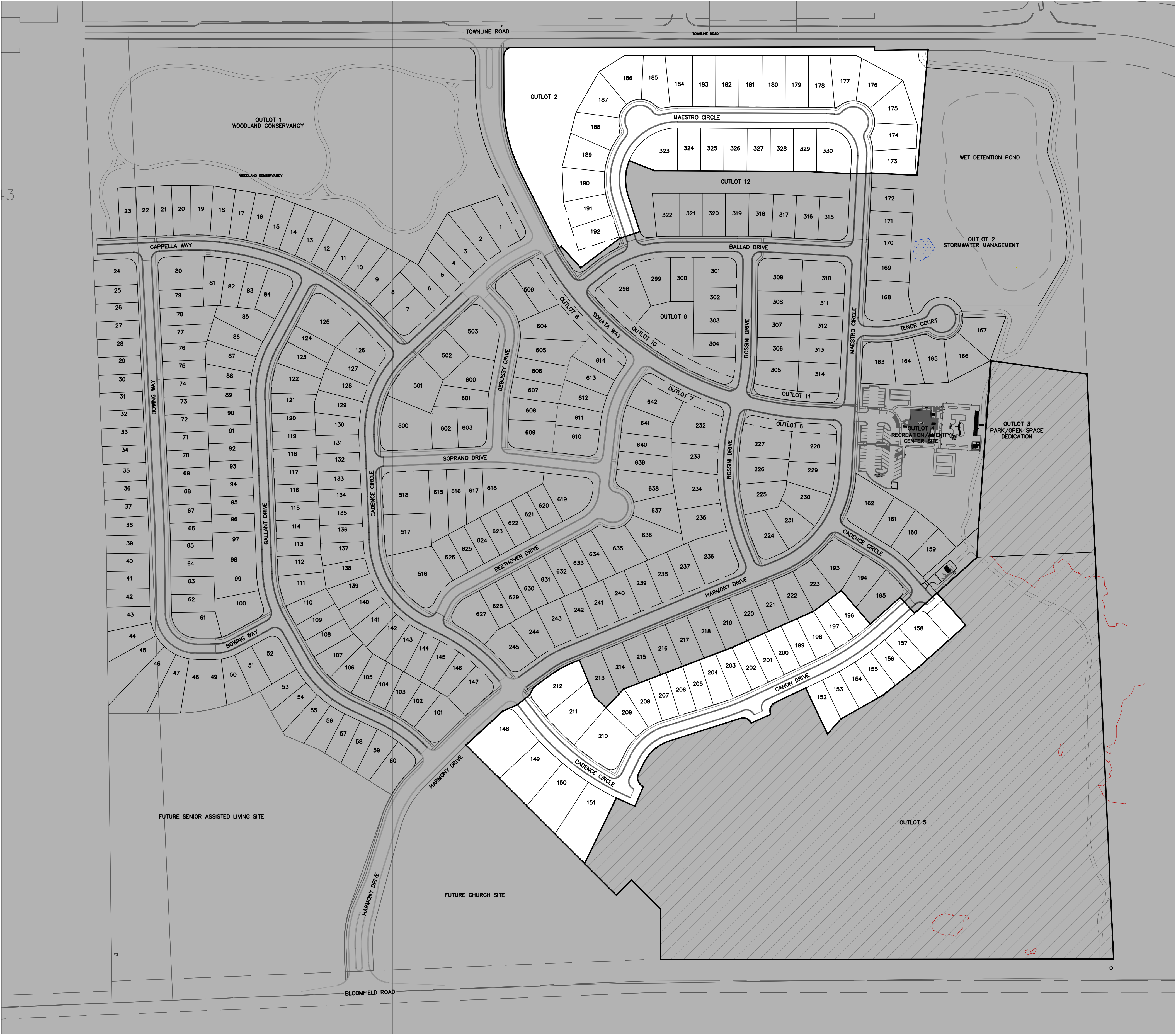
SHEET:

OVERALL
PHASING PLAN

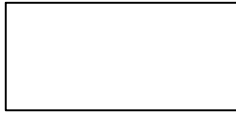
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PROJECT NUMBER: 17.0061.06
DATE: 7-12-2022

SHEET NUMBER:

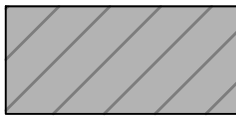
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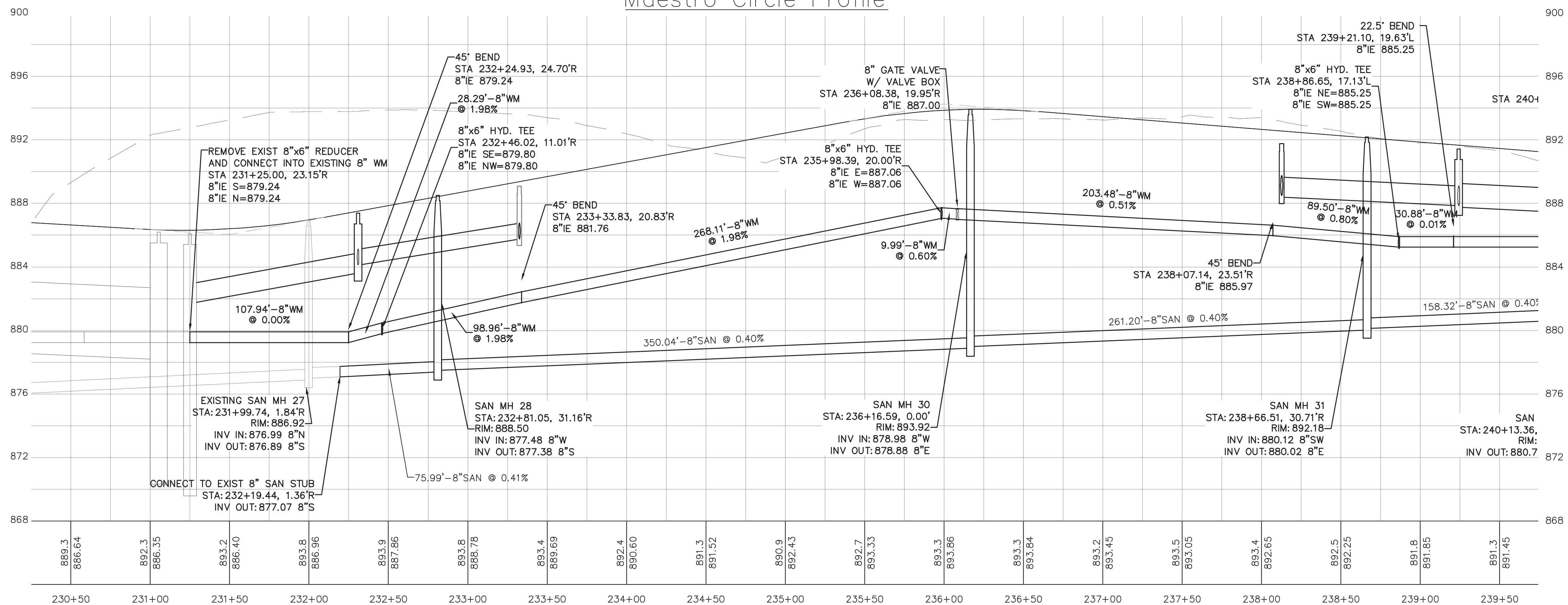
PHASE 1-5



PHASE 6



FUTURE PHASE



PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:

NORTH ARROW:



SEAL:

all in

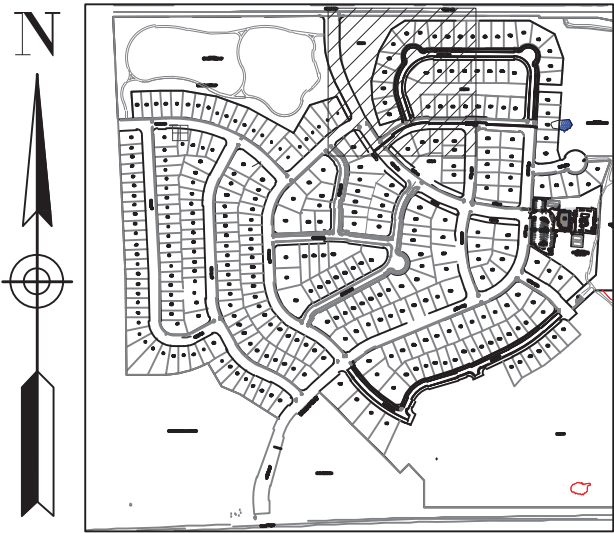
SHEET:

SEWER AND WATER
MAESTRO CIRCLE

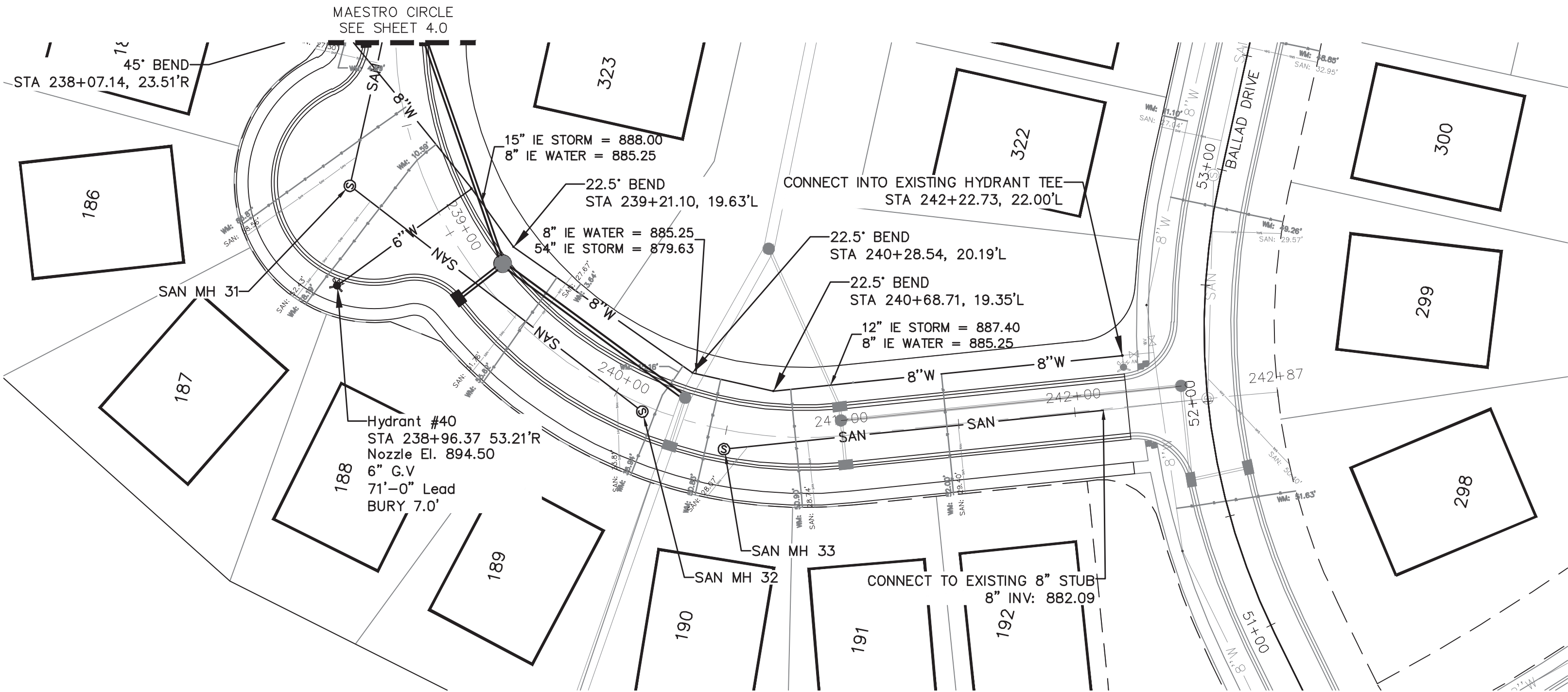
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PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

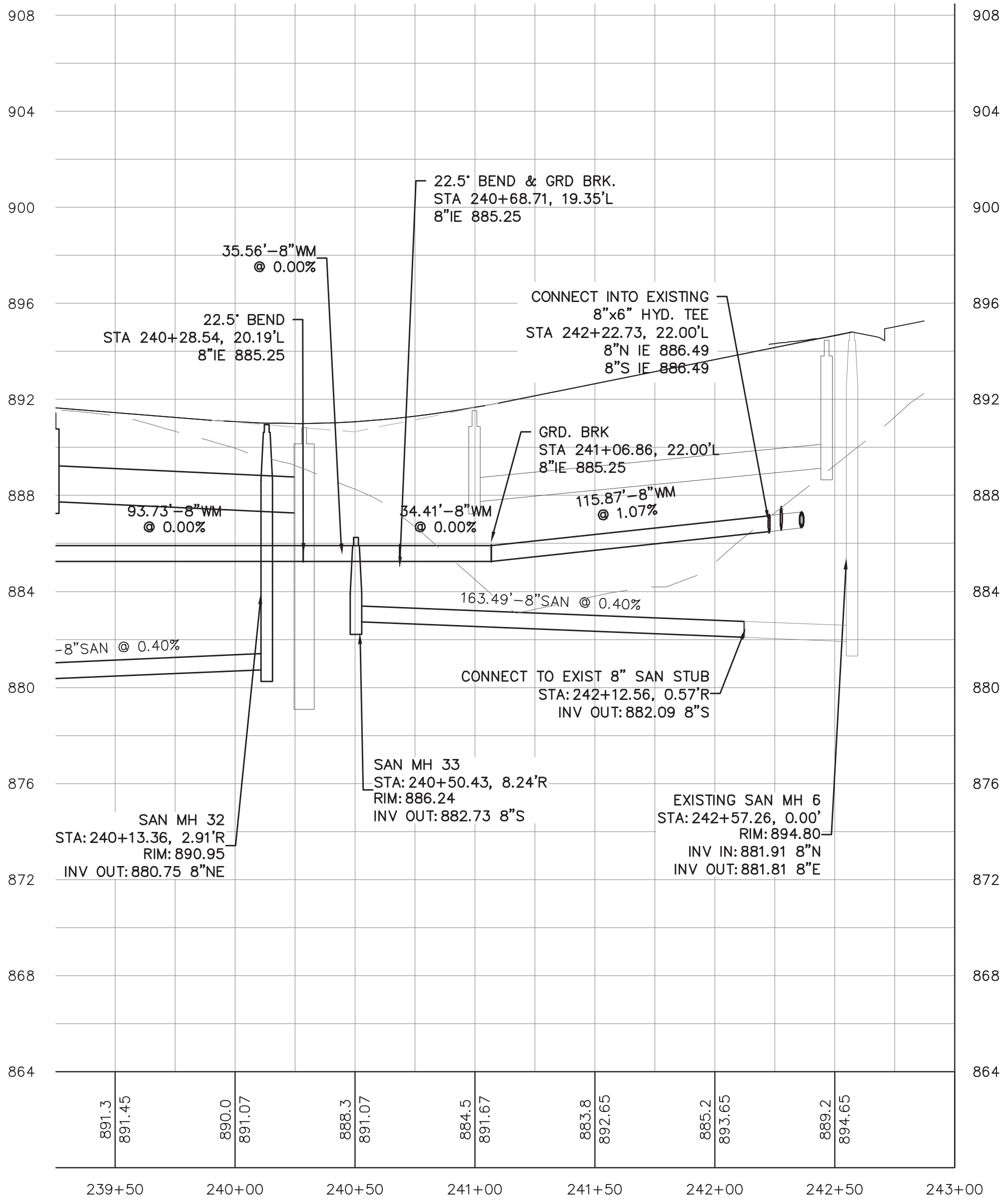
4.0



Location Map



Maestro Circle Profile



7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

kapurinc.com

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

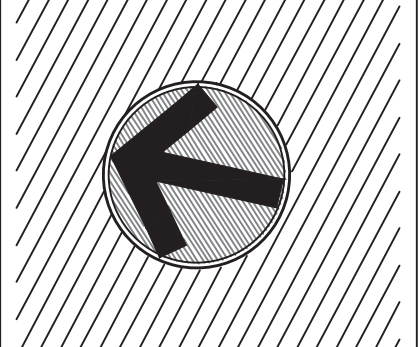
RELEASE:

PHASE 6
CONSTRUCTION
PLANS

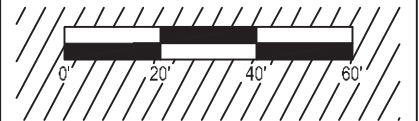
REVISIONS:

#	DATE	DESCRIPTION

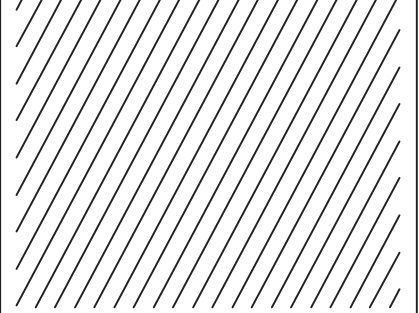
NORTH ARROW:



SCALE: HOR: 1" = 40'
VER: 1" = 4'



SEAL:



all in

SHEET:

SEWER AND WATER
MAESTRO CIRCLE

PROJECT MANAGER:	DMJ
PROJECT NUMBER:	17.0061.06
DATE:	7-12-2022

SHEET NUMBER:

4.1

PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

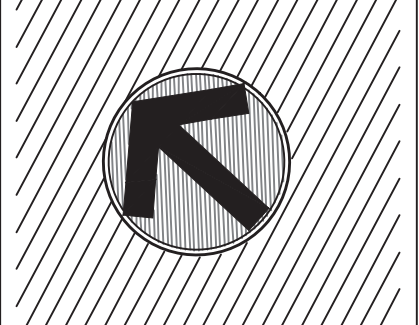
RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:

#	DATE	DESCRIPTION

NORTH ARROW:



SCALE: HOR: 1" = 40'
VER: 1" = 4'



SEAL:

all in

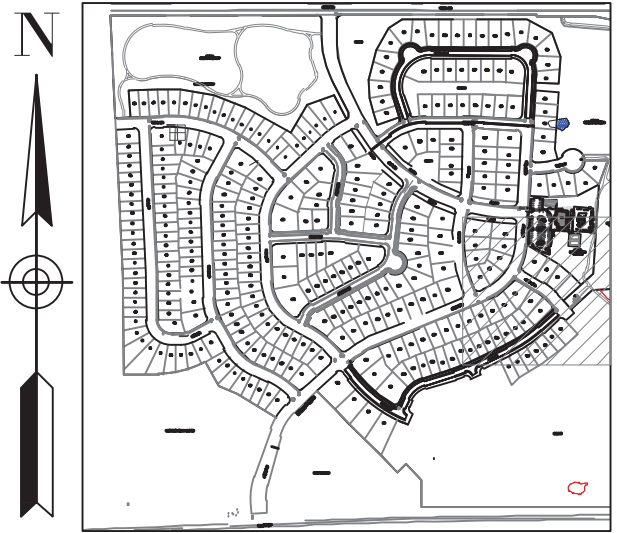
SHEET:

SEWER AND WATER
CADENCE CIRCLE

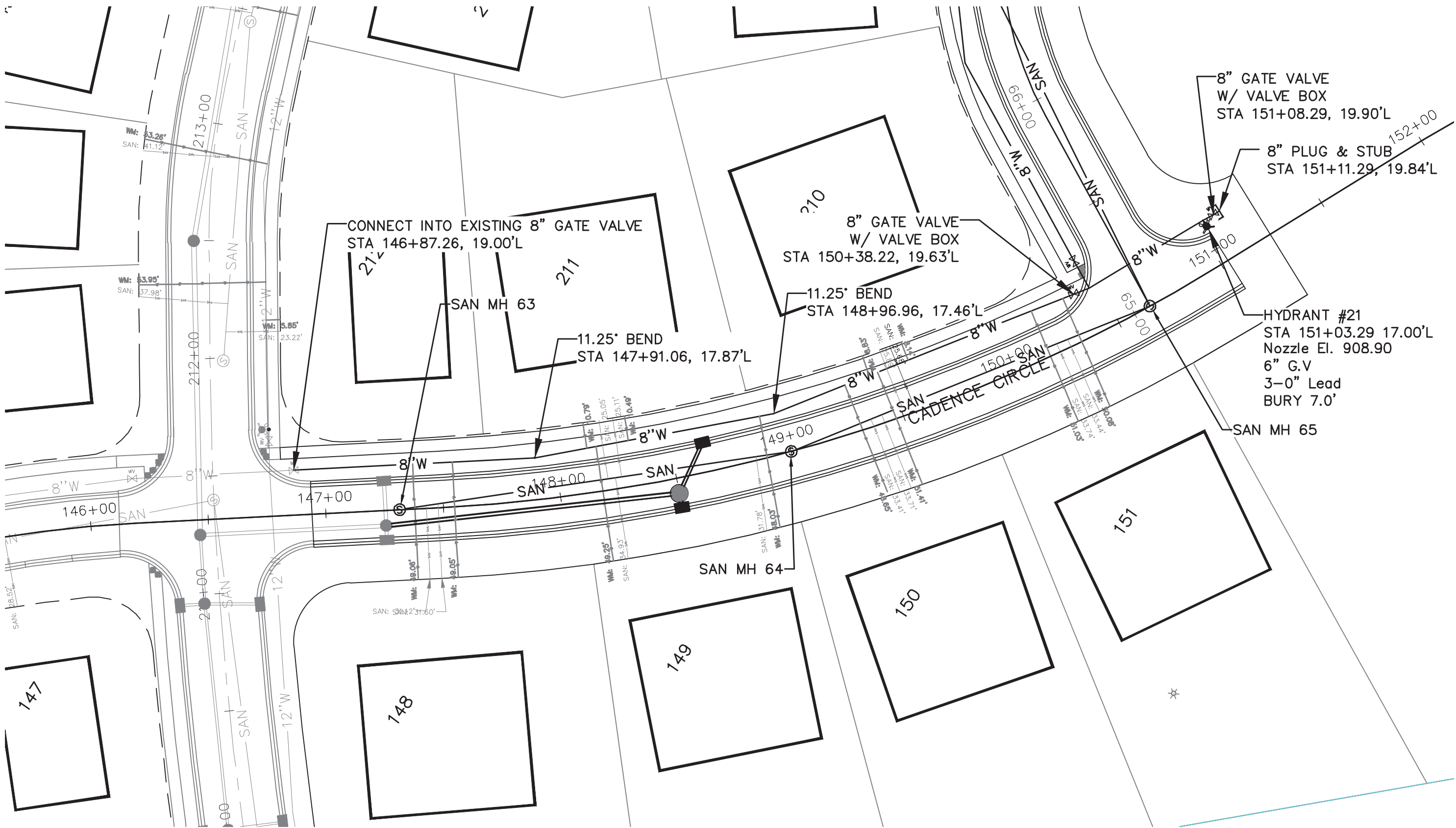
PROJECT MANAGER: DMJ
PROJECT NUMBER: 17.0061.08
DATE: 7-12-2022

SHEET NUMBER:

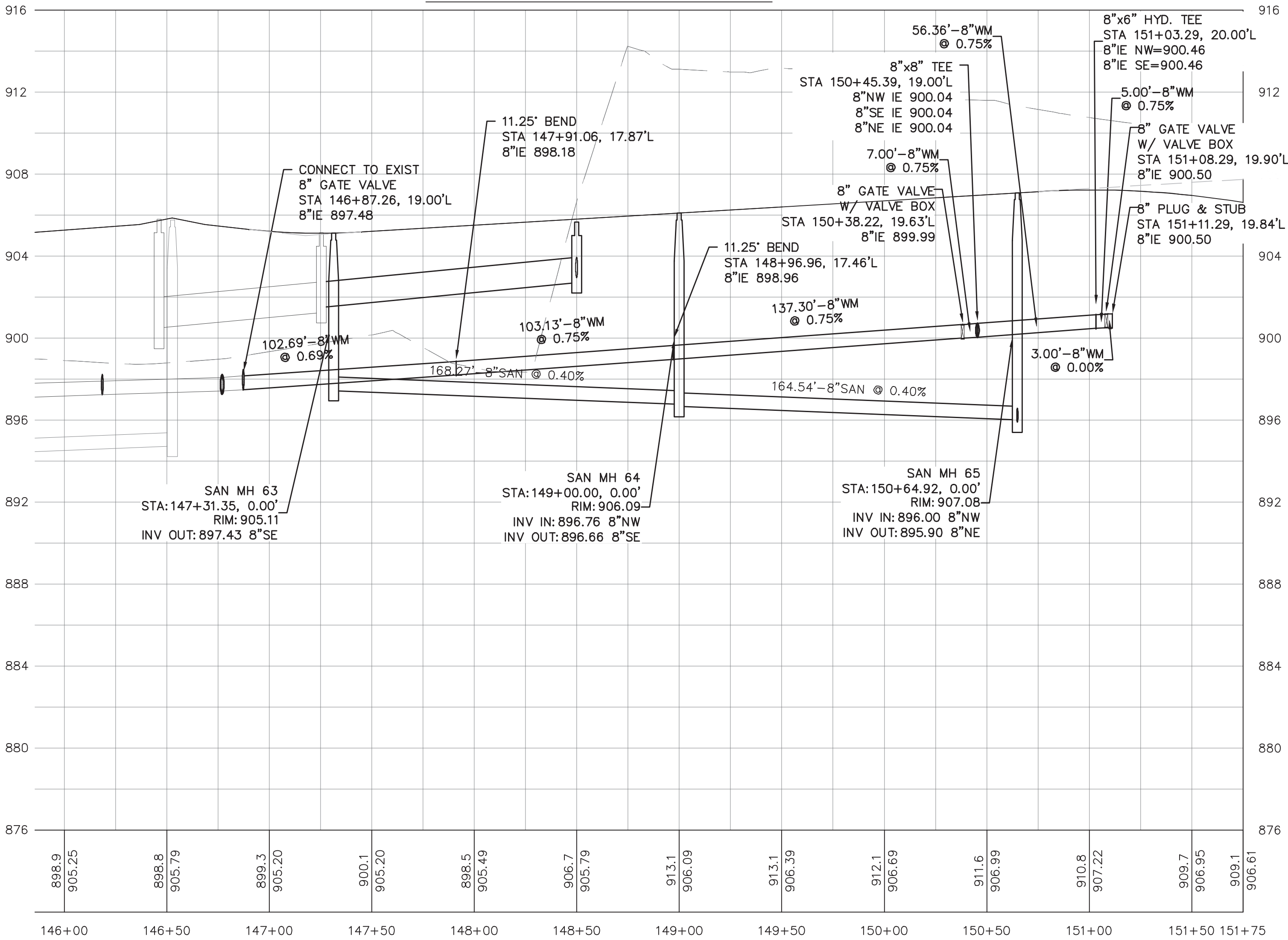
4.2



Location Map



Cadence Circle Profile



PROJECT:

SYMPHONY BAY

LOCATION:

CITY OF LAKE
GENEVA, WI

CLIENT:

FAIRWYN

RELEASE:

PHASE 6
CONSTRUCTION
PLANS

REVISIONS:

#	DATE	DESCRIPTION

NORTH ARROW:



SCALE:

HOR: 1" = 40'
VER: 1" = 4'

SEAL:

all in

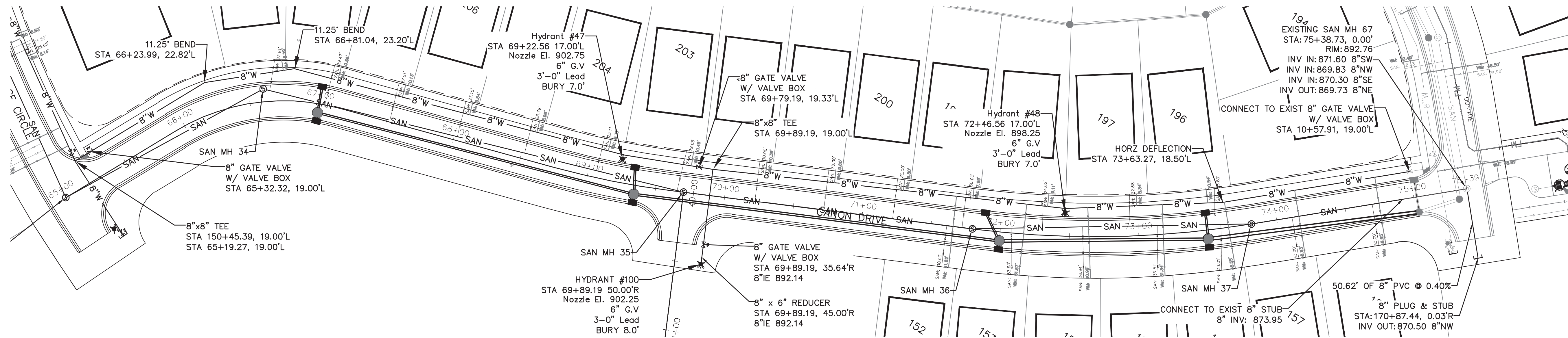
SHEET:

SEWER AND WATER
CANON DRIVE

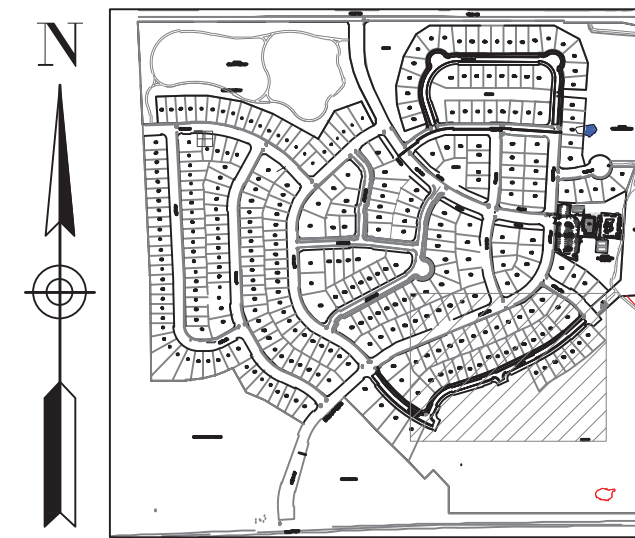
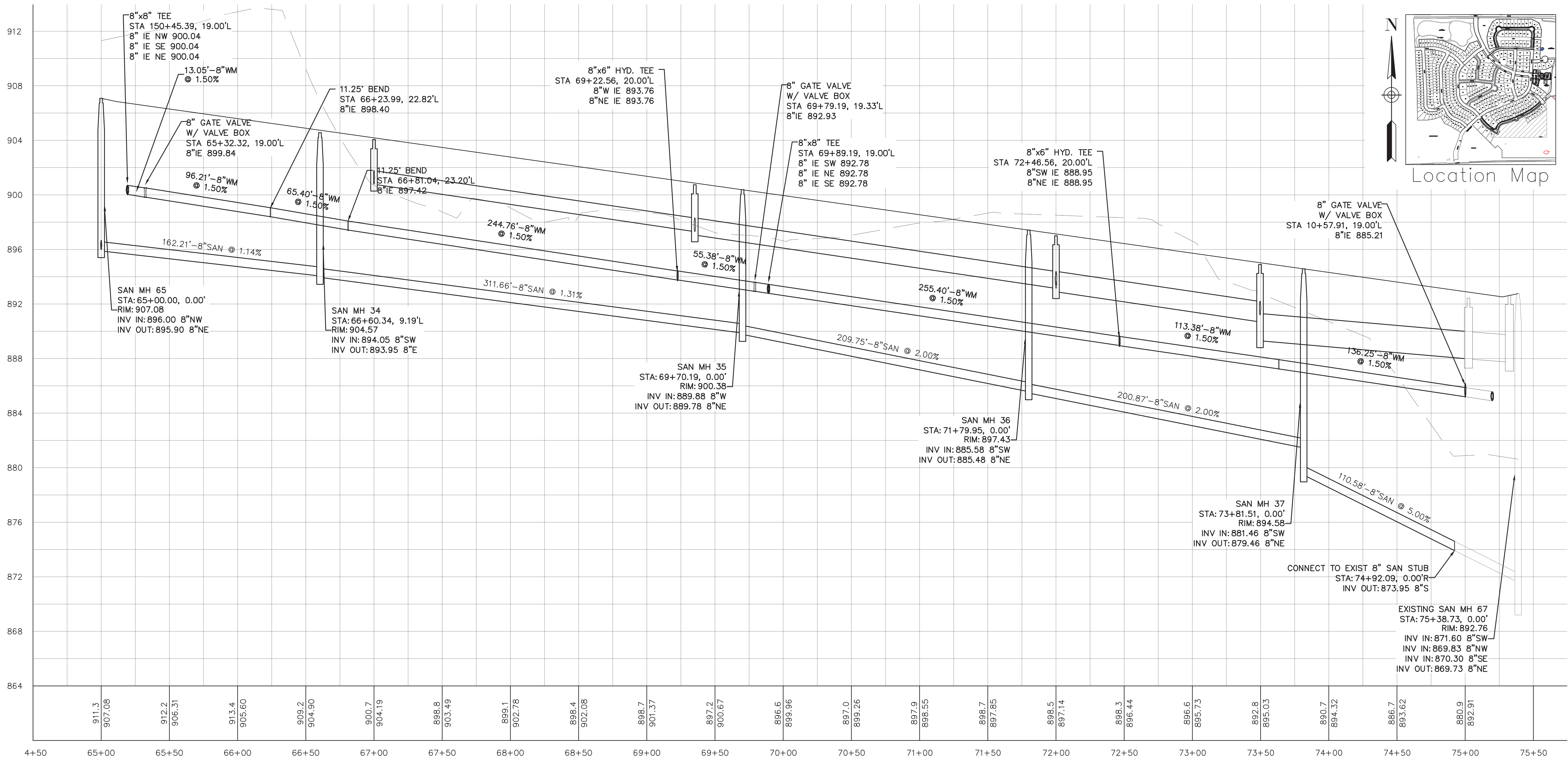
PROJECT MANAGER: DMJ
PROJECT NUMBER: 17.0061.08
DATE: 7-12-2022

SHEET NUMBER:

4.3



Canon Drive Profile



CHANGE ORDER REQUEST

Lake Geneva Utility Commission
Lake Geneva, Wisconsin
Utility Office Window Replacement
Project 21-08

Change Order Number: 1

Date of Issuance: 6/24/2022

Effective Date: _____

The Contract Documents are modified as follows upon execution of this Change Order
(Description):

Removal of existing interior window trim and casing for all 21 window units.

Provide material and labor necessary to install new jamb extensions, trim
and casing for all 21 window units being replaced.

Attachments (list of supporting documents):

Change in Contract Price:

Original Contract Price: \$37,650.00

[Increase – Decrease] from prior Change Orders: \$0.00

[Increase – ~~Decrease~~] from this Change Order: \$3,350.00

Revised Contract Price: \$41,000.00

Change in Contract Time:

Original Contract

Substantial Completion (days or date): N/A

Ready for Final Payment (days or date): N/A

Prior Change Orders

[Increase – Decrease] in days from prior Change Orders: N/A

Revised Substantial Completion (days or date): N/A

Revised Final Payment (days or date): N/A

Current Change Order

[Increase – Decrease] in days: N/A

Revised Substantial Completion (days or date): N/A

Revised Final Payment (days or date): N/A

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PAYMENT REQUEST
Lake Geneva Utility Commission
Lake Geneva, Wisconsin
Utility Office Window Replacement
Project 21-08

Payment Request Number: 1

From (Contractor): Baker Glass, LLC

Date of Application: 6/24/2022

Owner: Lake Geneva Utility Commission

Original Contract Price: \$37,650

Net Contract Changes: \$3,350

Via Change Order: 1 Amount Change in Contract: \$3,350

Via Change Order: Amount Change in Contract:

Via Change Order: Amount Change in Contract:

Via Change Order: Amount Change in Contract:

TOTAL COMPLETED TO DATE: \$41,000

Retainage (%): - Amount: N/A

Amount Eligible for Payment to Date: \$41,000

Less Prior Payments Amount: \$0.00

AMOUNT DUE THIS REQUEST: \$41,000

BALANCE DUE TO FINISH: \$0.00

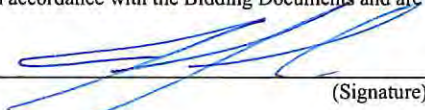
Payment of: Forty-one Thousand dollars and zero cents

Recommended by: 

Payment Approved by:

Contractor Certification:

Undersigned agrees that all previous payments received from the Owner have been applied on account to discharge Contractor's obligations incurred in connection with the work performed in prior payment applications. Title to all work, materials and equipment associated with said work will pass Owner free and clear of all liens, securities, and encumbrances, at the time payment is made. All work covered in this Payment Application was performed in accordance with the Bidding Documents and are free of defect.

By: 
(Signature)

Date: 6/24/22