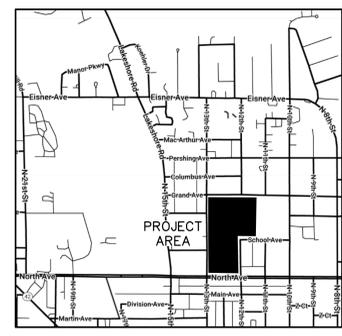


PLAT OF SURVEY WITH TOPOGRAPHY

PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 15 NORTH, RANGE 23 EAST, AND PART OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 5 NORTH, RANGE 23 EAST, IN THE CITY OF SHEBOYGAN, COUNTY OF SHEBOYGAN, STATE OF WISCONSIN.



VICINITY MAP
NOT TO SCALE

BEARINGS ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM (WISCONSIN), AND THE EAST LINE OF THE S.E. 1/4 OF SEC. 10, T15N, R23E. BEARING N00-37-03W. VERTICAL DATUM IS REFERENCED TO THE CITY OF SHEBOYGAN DATUM, BEING NGVD MINUS 581.00'



Toll Free (800)242-8511
 Milwaukee Area (414)259-1181
 Hearing Impaired TDD (800)542-2289

- REGISTERS HOTLINE TICKETS:
 20244900802, 20244900805, 20244900820, 20244900824, 20244900837, 20244900846, 20244900848, 20244900869, 20244900880, 20244900881, 20244900921, 20244900925, 20245104991, 20245104992, 20245104993, 20245104994, 20245104995, 20245104996, 20245104997.

ALTHOUGH DIGGERS' HOTLINE WAS NOTIFIED THIS SURVEY DOES NOT GUARANTEE THAT ALL UTILITIES HAVE BEEN LOCATED ON SITE. SOME OF THE UTILITIES MAY HAVE BEEN DRAWN IN PER PLAN BASED ON MAPS RECEIVED FROM MEMBERS NOTIFIED LACKING EXCAVATION THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED, WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

LEGEND

- ▲ = BENCH MARK
- △ = CONTROL POINT
- = 1 1/4" IRON PIPE O.D.
- = FOUND OR AS NOTED
- = 1-1/4" O.D. x 10' LONG
- = IRON PIPE SET, WEIGHING 1.68 LBS./FT.
- = SECTION CORNER MON.
- (R.A.) = RECORDED AS
- O.D. = OUTSIDE DIAMETER
- = WATER VALVE
- = FIRE HYDRANT
- 970.90 = SPOT ELEVATION
- = BUSH, SHRUB
- = POLE/POST/BOLLARD
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- = LIGHT POLE WITH MAST
- = TREE (CONIFEROUS) DRIP LINE SCALABLE
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- FL. EL. = FIRST FLOOR ELEVATION
- = BUILDING OUTLINE
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- - - - - = UNDERGROUND ELECTRIC
- - - - - = OVERHEAD UTILITY LINES
- - - - - = UNDERGROUND FIBER OPTIC
- - - - - = UNDERGROUND CABLE TV
- - - - - = COMMUNICATION CONDUIT
- - - - - = UTILITIES PER PLAN
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- = SAND / CRUSHED AGG. SURFACE

**NORTH QUARTER CORNER
 SEC. 15, T15N, R23E
 CONC. MONUMENT WITH
 BRASS CAP
 N: 185579.889
 E: 214582.544**

**SOUTH LINE OF THE S.E. 1/4 OF SEC. 10, T15N, R23E
 S87°50'04"W 2691.45'**

**NORTH QUARTER CORNER
 SEC. 14, T15N, R23E
 DRILL HOLE IN CURB PAV
 N: 185566.275
 E: 219870.290**

**NORTH QUARTER CORNER
 SEC. 10, T5N, R23E
 CHISELED "X"
 N: 188226.702
 E: 217197.167
 ELEV.: 54.044**

**NORTH QUARTER CORNER
 SEC. 15, T15N, R23E
 CHISELED "X"
 N: 185588.656
 E: 217225.604
 ELEV.: 53.509**

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 SEC. 15, T15N, R23E
 CHISELED "X"
 N: 185588.656
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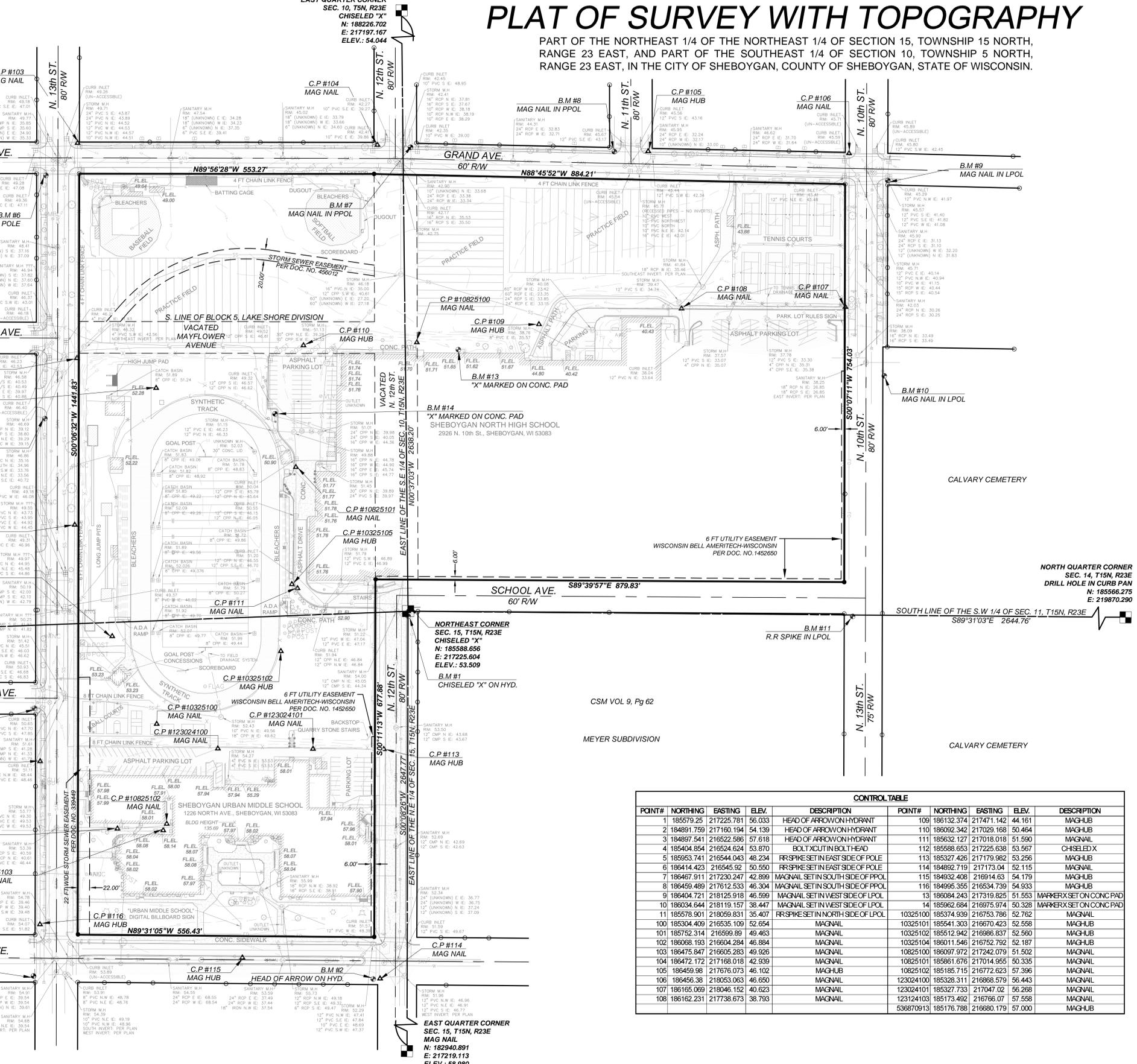
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 CHISELED "X"
 N: 185588.656
 E: 217225.604
 ELEV.: 53.509**



CONTROL TABLE									
POINT#	NORTHING	EASTING	ELEV.	DESCRIPTION	POINT#	NORTHING	EASTING	ELEV.	DESCRIPTION
1	185579.25	217225.781	56.033	HEAD OF ARROW ON HYDRANT	109	186132.374	217471.142	44.161	MAG HUB
2	184891.759	217160.194	54.139	HEAD OF ARROW ON HYDRANT	110	186092.342	217029.168	50.464	MAG HUB
3	184897.541	216522.586	57.618	HEAD OF ARROW ON HYDRANT	111	185632.127	217018.018	51.590	MAG NAIL
4	185404.854	216524.624	53.870	BOLT X CUT IN BOLT HEAD	112	185588.653	217225.638	53.567	CHISELED X
5	185953.741	216544.043	48.254	RR SPIKE SET IN EAST SIDE OF POLE	113	185327.426	217179.922	53.256	MAG HUB
6	186414.423	216545.92	50.250	RR SPIKE SET IN EAST SIDE OF POLE	114	184892.719	217173.04	52.115	MAG NAIL
7	186467.911	217230.247	42.869	MAG NAIL SET IN SOUTH SIDE OF PPOL	115	184932.408	216914.63	54.179	MAG HUB
8	186459.489	217162.533	46.304	MAG NAIL SET IN SOUTH SIDE OF PPOL	116	184995.355	216534.739	54.933	MAG HUB
9	186404.741	218125.918	46.569	MAG NAIL SET IN WEST SIDE OF PPOL	13	186084.243	217319.825	51.553	MARKER SET ON CONC PAD
10	186034.644	218119.157	38.447	MAG NAIL SET IN WEST SIDE OF PPOL	14	185962.684	216975.974	50.328	MARKER SET ON CONC PAD
11	185578.901	218059.831	35.407	RR SPIKE SET IN NORTH SIDE OF PPOL	10325100	186374.939	216753.786	52.762	MAG NAIL
100	185304.409	218535.109	52.654	MAG NAIL	10325101	185541.303	216670.423	52.558	MAG HUB
101	185752.314	216599.889	49.463	MAG NAIL	10325102	185512.942	216696.837	52.560	MAG HUB
102	186068.193	216604.284	46.884	MAG NAIL	10325104	186011.546	216752.792	52.187	MAG HUB
103	186475.847	216605.283	49.926	MAG NAIL	10625100	186097.972	217242.079	51.502	MAG NAIL
104	186472.172	217168.018	42.939	MAG NAIL	10625101	185861.676	217014.955	50.335	MAG NAIL
105	186459.98	217676.073	46.102	MAG HUB	10625102	185185.715	216772.623	57.396	MAG NAIL
106	186456.38	218053.063	46.650	MAG NAIL	123024100	185328.311	216868.579	56.443	MAG NAIL
107	186165.069	218046.152	40.623	MAG NAIL	123024101	185327.733	217047.02	56.268	MAG NAIL
108	186162.231	217738.673	38.793	MAG NAIL	123124103	185173.492	216766.07	57.558	MAG NAIL
					536870913	185176.788	216680.179	57.000	MAG HUB

LEGAL DESCRIPTION:

All of Block One (1) in North Avenue Subdivision being a part of the Northeast 1/4 of the Northeast 1/4 of Section 15, Township 15 North, Range 23 East, in the City of Sheboygan, County of Sheboygan, State of Wisconsin; AND All of Block Five (5) in Lake Shore Division being a part of the Southeast 1/4 of Section 10, Township 5 North, Range 23 East, in the City of Sheboygan, County of Sheboygan, State of Wisconsin; AND such unplatted lands; all of the above-described as:
 Commencing at the Southeast corner of Lot One (1), Block One (1), of North Avenue Subdivision; thence North along the West line of North 12th Street extended, one-thousand one-hundred thirty-eight and sixteen hundredths (1138.16) feet to the South line of Grand Avenue; thence West along the South line of Grand Avenue five-hundred fifty-three and six tenths (553.6) feet to the East line of North 13th Street; thence South along the East line of North 13th Street one-thousand one-hundred thirty-three and two tenths (1133.2) feet to the North line of North Avenue; thence East along the North line of North Avenue five-hundred fifty-six and five tenths (556.5) feet to the point of beginning. Said tract being in Section Ten (10) and Section Fifteen (15) of Township Fifteen (15) North, Range Twenty-three (23) East, in the City of Sheboygan, County of Sheboygan, State of Wisconsin.

For informational purposes only:
 Property Address: 1226 North Avenue, Sheboygan, WI 53083
 Tax Key Number: 59281714310 Current Zoning: Suburban Residential-5 District

PREPARED BY KNIGHT BARRY TITLE GROUP. EFFECTIVE DATE: DECEMBER 12, 2024.

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that under My direction and control the above described property was surveyed on 12/17/2024 in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Brian Sandberg
 Brian E. Sandberg
 February 6th, 2025.

PROJECT:
**SHEBOYGAN AREA
 SCHOOL DISTRICT
 URBAN MIDDLE
 SCHOOL**

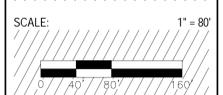
LOCATION:
**1226 NORTH AVE.,
 SHEBOYGAN, WI
 53083**

CLIENT:
**BRAY
 ARCHITECTS**

RELEASE:
FINAL

REVISIONS:

#	DATE	DESCRIPTION

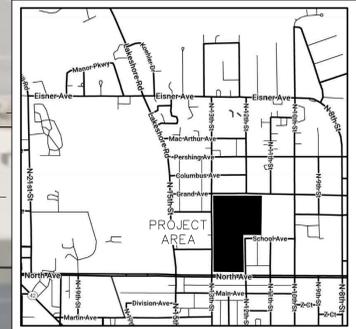


SHEET:
**PLAT OF SURVEY
 WITH TOPOGRAPHY**

PROJECT MANAGER:	R.J.C.
PROJECT NUMBER:	25.0295
DATE:	02/06/2025

SHEET NUMBER:
SU1.10

PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 15 NORTH, RANGE 23 EAST, AND PART OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 5 NORTH, RANGE 23 EAST, IN THE CITY OF SHEBOYGAN, COUNTY OF SHEBOYGAN, STATE OF WISCONSIN.



VICINITY MAP
NOT TO SCALE



Scale: 1" = 30'

BEARINGS ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM (WCSORS), AND THE EAST LINE OF THE S.E. 1/4 OF SEC. 10, T15N, R23E, BEARING N00°37'03"W. VERTICAL DATUM IS REFERENCED TO THE CITY OF SHEBOYGAN DATUM, BEING NGVD MINUS 581.00'



Dial 811 or (800)242-8511

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REGISTER'S HOTLINE TICKETS:
20244900802, 20244900805, 20244900820, 20244900824,
20244900834, 20244900837, 20244900846, 20244900848,
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20244900925, 20245104991, 20245104992, 20245104993,
20245104994, 20245104995, 20245104996, 20245104997.

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- = UTILITIES PER PLAN
- ▭ = ASPHALT SURFACE
- ▭ = CONCRETE SURFACE
- ▭ = WETLANDS

BRAY
ARCHITECTS

Milwaukee
209 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan - Davenport
Saint Paul
www.brayarch.com



Project Title:
Addition & Renovation to:
URBAN MIDDLE SCHOOL
SHEBOYGAN SCHOOL DISTRICT
1226 NORTH AVE.
SHEBOYGAN, WI 53083

REVISIONS:

DATE	DESCRIPTION

Issued for:
CITY OF SHEBOYGAN
PLAN REVIEW

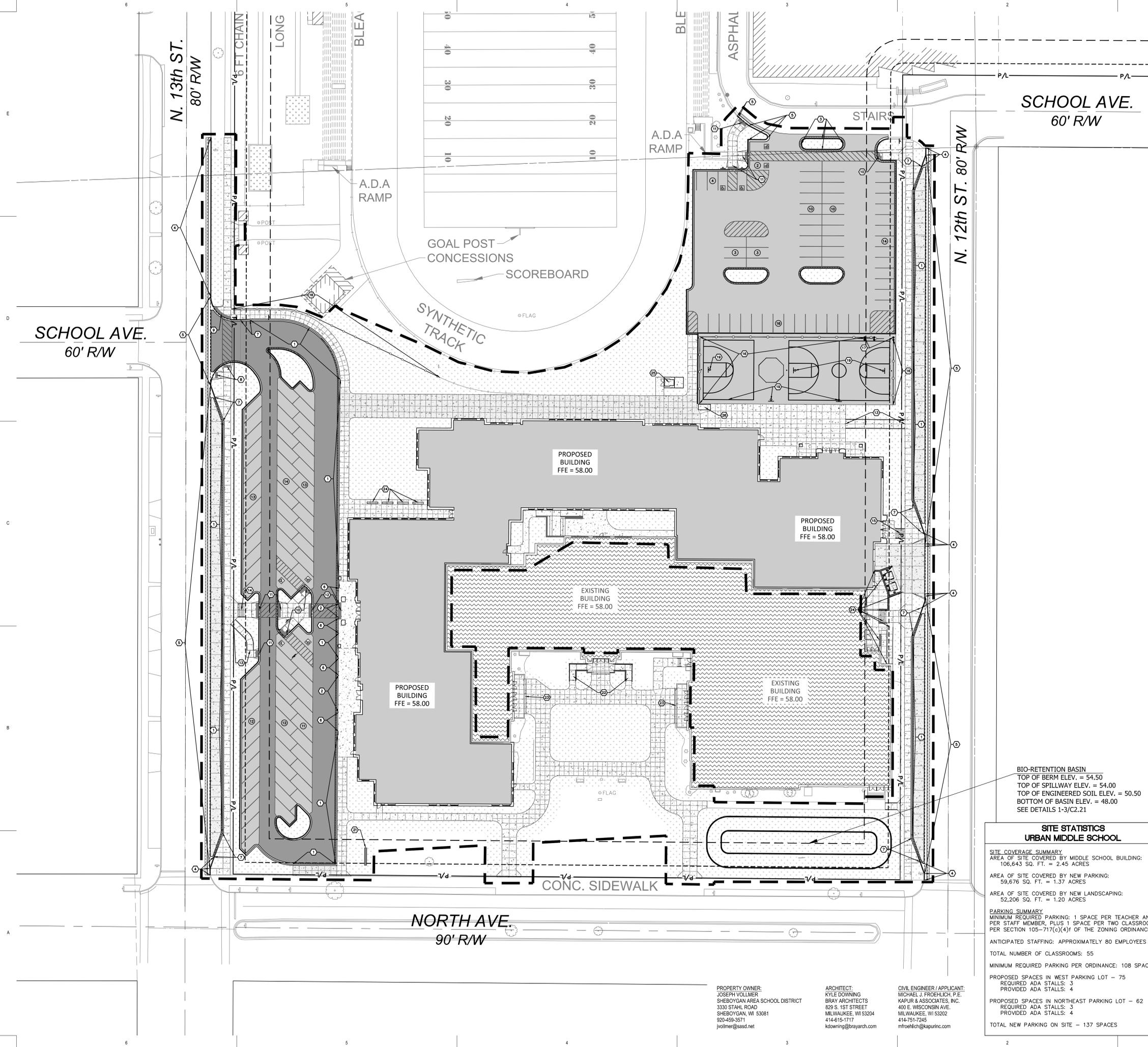
Project Number:
3415

Sheet Title:

EXISTING SITE
CONDITIONS
PLAN

Sheet Number:

C1.00



Scale: 1" = 30'

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KEY INDEX

PROJECT LIMITS	1	1	1
PROPERTY LINE	2	2	2
EASEMENT LINE	3	3	3
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10' PAVED SURFACE TO STREET LOT LINE SETBACK	5	5	5
AREAS DISTURBED BY CONSTRUCTION (NOT SPECIFICALLY CALLED OUT ON THE LANDSCAPE PLANS) TO BE RESTORED WITH MINIMUM 4" TOPSOIL, SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.	6	6	6
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NEW ASPHALTIC CONCRETE (HEAVY-DUTY)	8	8	8
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NEW CONCRETE SLAB (HEAVY-DUTY)	10	10	10
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NEW 24" MOUNTABLE HIGH-SIDE CONCRETE CURB & GUTTER	16	16	16
NEW 24" MOUNTABLE DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER	17	17	17
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NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	24	24	24
NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	25	25	25
NEW TRUNCATED DOME DETECTABLE WARNING FIELDS	26	26	26
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NEW GENERATOR. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.	40	40	40

BIO-RETENTION BASIN
 TOP OF BERM ELEV. = 54.50
 TOP OF SPILLWAY ELEV. = 54.00
 TOP OF ENGINEERED SOIL ELEV. = 50.50
 BOTTOM OF BASIN ELEV. = 48.00
 SEE DETAILS 1-3/C2.21

SITE STATISTICS
URBAN MIDDLE SCHOOL

SITE COVERAGE SUMMARY
 AREA OF SITE COVERED BY MIDDLE SCHOOL BUILDING: 106,643 SQ. FT. = 2.45 ACRES

AREA OF SITE COVERED BY NEW PARKING: 59,676 SQ. FT. = 1.37 ACRES

AREA OF SITE COVERED BY NEW LANDSCAPING: 52,206 SQ. FT. = 1.20 ACRES

PARKING SUMMARY
 MINIMUM REQUIRED PARKING: 1 SPACE PER TEACHER AND PER STAFF MEMBER, PLUS 1 SPACE PER TWO CLASSROOMS PER SECTION 105-717(c)(4) OF THE ZONING ORDINANCE.

ANTICIPATED STAFFING: APPROXIMATELY 80 EMPLOYEES

TOTAL NUMBER OF CLASSROOMS: 55

MINIMUM REQUIRED PARKING PER ORDINANCE: 108 SPACES

PROPOSED SPACES IN WEST PARKING LOT - 75
 REQUIRED ADA STALLS: 3
 PROVIDED ADA STALLS: 4

PROPOSED SPACES IN NORTHEAST PARKING LOT - 62
 REQUIRED ADA STALLS: 3
 PROVIDED ADA STALLS: 4

TOTAL NEW PARKING ON SITE - 137 SPACES

BRAY ARCHITECTS

Milwaukee
 809 South 1st Street
 Milwaukee, Wisconsin 53204
 T: 414.226.0200

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REVISIONS:

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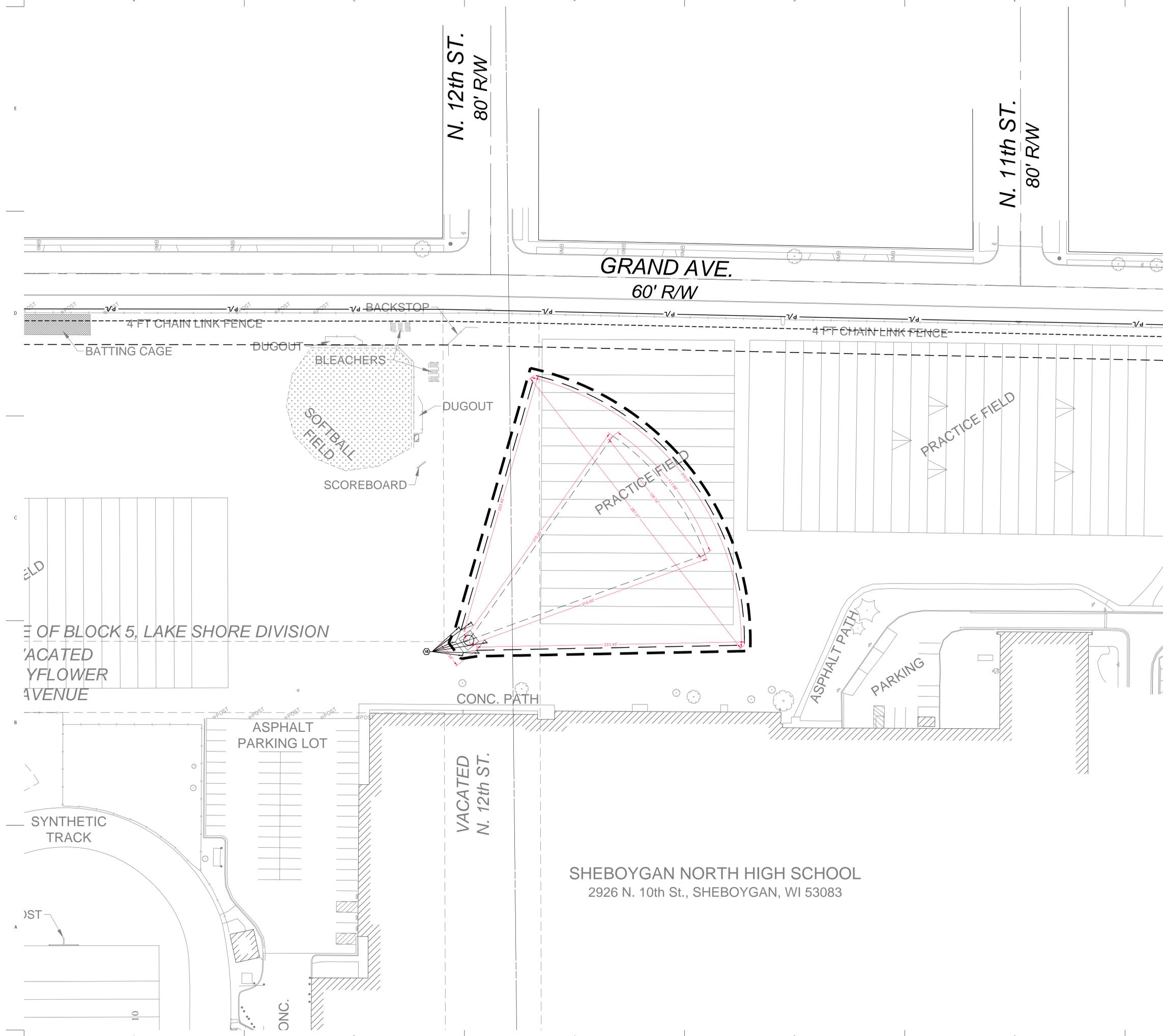
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PLAN REVIEW

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3415

Sheet Title:
SITE LAYOUT PLAN

Sheet Number:
C1.20

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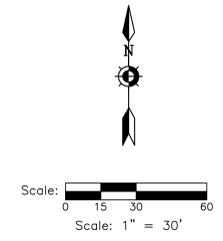
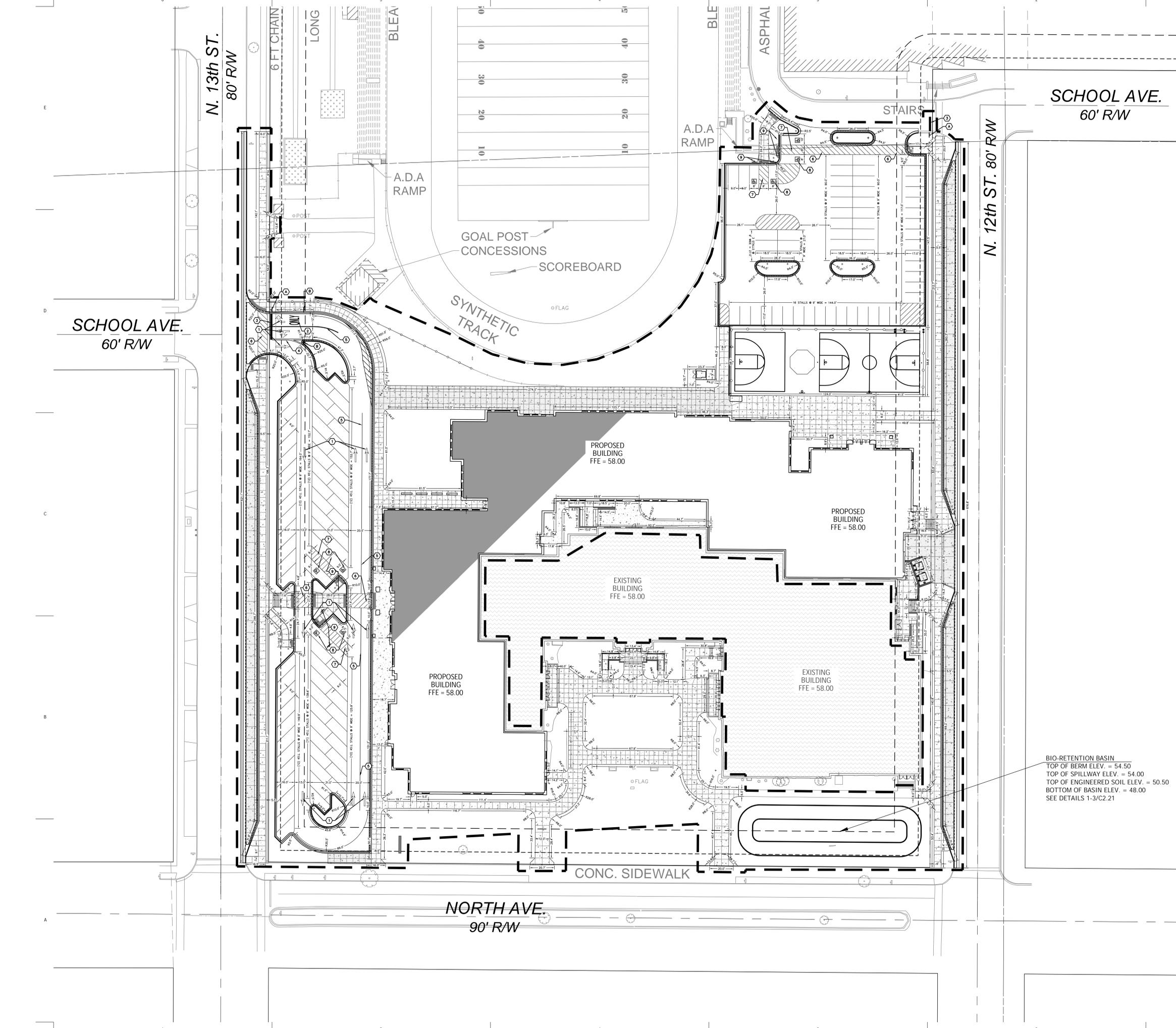



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	NEW ASPHALTIC CONCRETE (LIGHT-DUTY)	
	NEW ASPHALTIC CONCRETE (HEAVY-DUTY)	
	NEW CONCRETE SLAB (LIGHT-DUTY)	
	NEW CONCRETE SLAB (HEAVY-DUTY)	
	REPLACEMENT ASPHALT PAVEMENT FOR N. 13TH & N. 12TH STREET. CONTRACTOR SHALL MATCH EXISTING PAVEMENT & BASE THICKNESS.	
	NEW 18" BARRIER LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED	
	NEW 18" BARRIER HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED	
	NEW 18" DEPRESSED LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED	
	NEW 18" DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED	
	NEW 24" MOUNTABLE HIGH-SIDE CONCRETE CURB & GUTTER	
	NEW 24" MOUNTABLE DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER	
	NEW 24" BARRIER HIGH-SIDE CONCRETE CURB & GUTTER	
	NEW 24" BARRIER LOW-SIDE CONCRETE CURB & GUTTER	
	NEW 24" DEPRESSED LOW-SIDE CONCRETE CURB & GUTTER	
	TRANSITION FROM 24" MOUNTABLE HIGH-SIDE CURB & GUTTER TO 24" MOUNTABLE DEPRESSED HIGH-SIDE CURB & GUTTER	
	TRANSITION FROM 24" MOUNTABLE HIGH-SIDE CURB & GUTTER TO 18" BARRIER HIGH-SIDE CURB & GUTTER	
	NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	
	NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	
	NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	
	NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	
	NEW TRUNCATED DOME DETECTABLE WARNING FIELDS	
	NEW ACCESSIBILITY RAMP & HAND RAILS.	
	NEW CONCRETE STAIRS & HANDRAILS	
	NEW CONCRETE STAIRS & HANDRAILS	
	NEW 8'-0" HIGH BLACK VINYL COATED CHAIN-LINK FENCE	
	NEW 16'-WIDE SLIDING GATE, 8'-0" HIGH BLACK VINYL COATED CHAIN-LINK FENCE	
	NEW DISCUS THROWING PAD & RELOCATED THROWING CAGE.	
	NEW BASKETBALL POLE, BACKBOARD, AND GOAL AND COURT STRIPING	
	NEW MOBILE BIKE RACKS.	
	NEW MONUMENT SIGN. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.	
	NEW STAIRS, RAMP, AND RETAINING WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.	
	NEW STAIRS AND RETAINING WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.	
	NEW TRASH ENCLOSURE, STAIRS, RAMP AND RETAINING WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.	
	NEW TRANSFORMER. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.	
	NEW GENERATOR. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.	

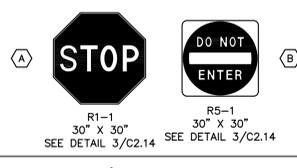


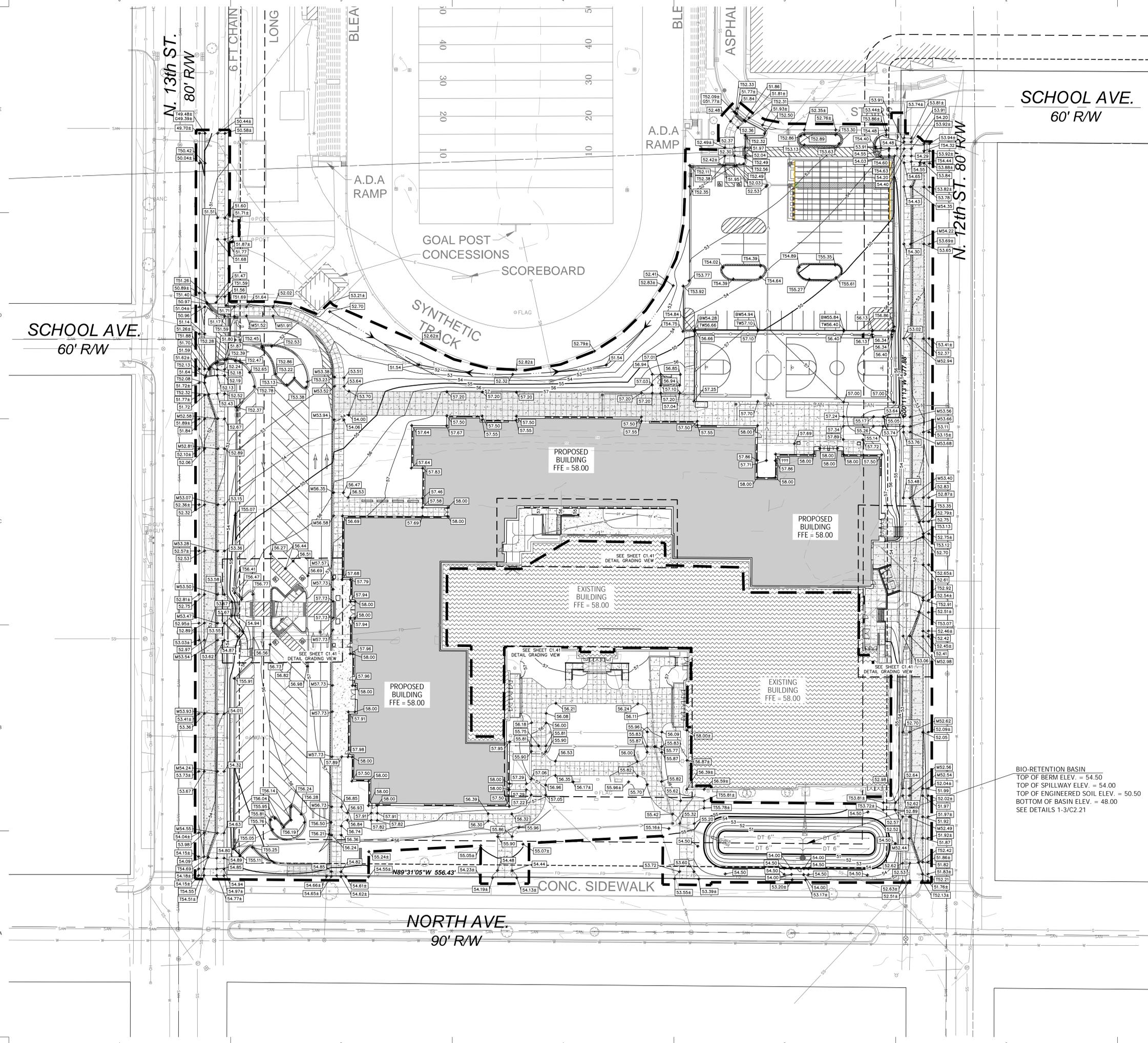
DIGGERSHOTLINE
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KEY INDEX

- PROJECT LIMITS
- PROPERTY LINE
- EASEMENT LINE
- 30' BUILDING TO FRONT OR STREET SIDE LOT LINE SETBACK
- 10' PAVED SURFACE TO STREET LOT LINE SETBACK
- PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING STOP LINE, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING MANLINE, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (DOUBLE) (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 4-INCH WIDE DIAGONAL STRIPING, 3" O.C. SPACING
- NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS
- NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS
- NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS
- NEW ACCESSIBLE PARKING SYMBOL
- NEW ACCESSIBLE SIGNS

SIGN INDEX





SCHOOL AVE.
60' R/W

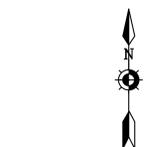
SCHOOL AVE.
60' R/W

N. 13th ST.
80' R/W

N. 12th ST. 80' R/W

NORTH AVE.
90' R/W

BIO-RETENTION BASIN
TOP OF BERM ELEV. = 54.50
TOP OF SPILLWAY ELEV. = 54.00
TOP OF ENGINEERED SOIL ELEV. = 50.50
BOTTOM OF BASIN ELEV. = 48.00
SEE DETAILS 1-3/C2.21



Scale: 1" = 30'

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GRADING NOTES

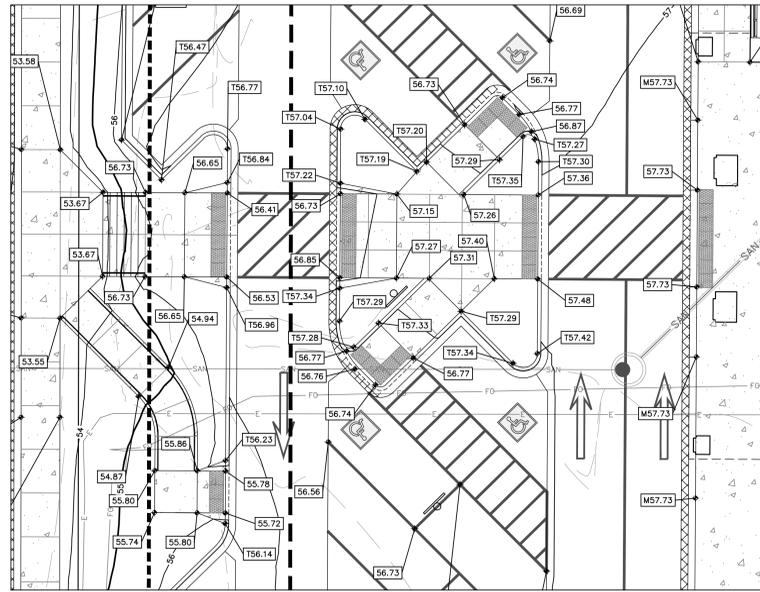
GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.

KEY INDEX

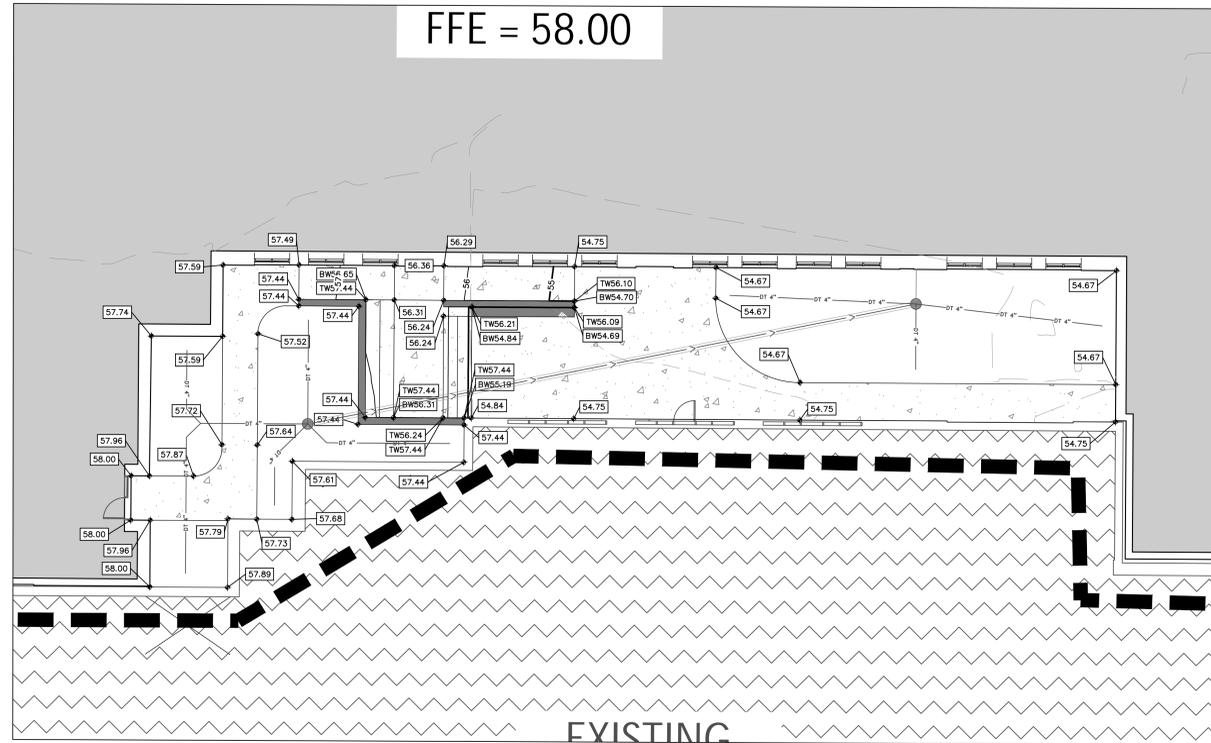
- PROJECT LIMITS
- PROPERTY LINE
- EASEMENT LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- ⬇️ [54.00] PROPOSED SPOT GRADE
- ⬇️ [54.00±] MATCH EXISTING GRADE
- ⬇️ [54.50] PROPOSED TOP OF CURB GRADE, GUTTER IS 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
- ⬇️ [54.50±] MATCH EXISTING TOP OF CURB GRADE, GUTTER IS 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
- ⬇️ [M54.33] PROPOSED TOP OF MOUNTABLE CURB GRADE, GUTTER IS 4" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
- ⬇️ [TW56.00] PROPOSED TOP OF WALL GRADE
- ⬇️ [BW54.00] PROPOSED BOTTOM OF WALL GRADE
- ➡️ DRAINAGE SWALE

REVISIONS:

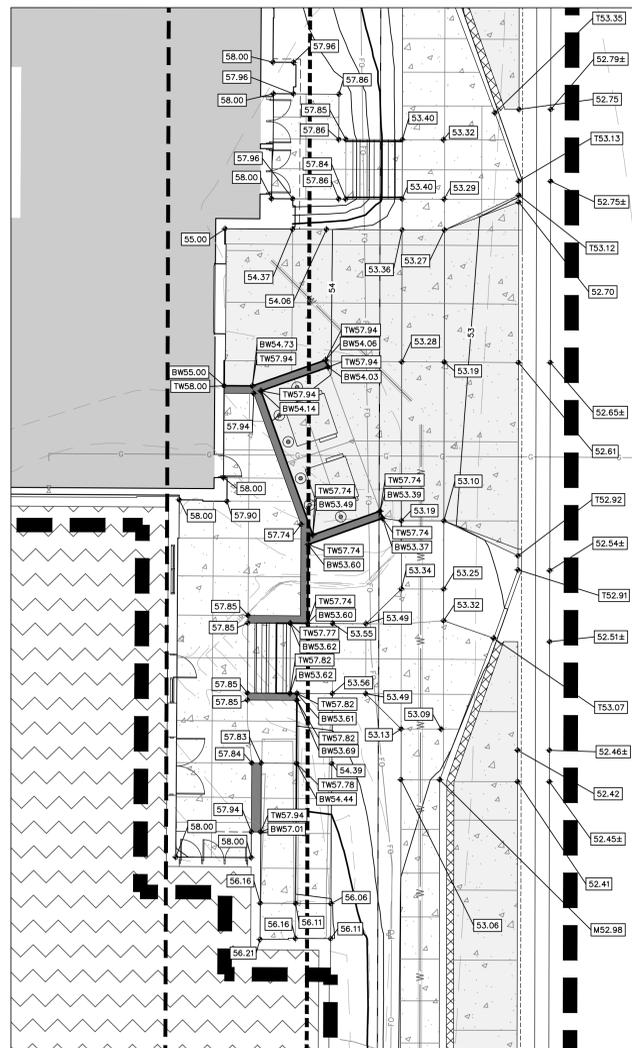
DATE	DESCRIPTION



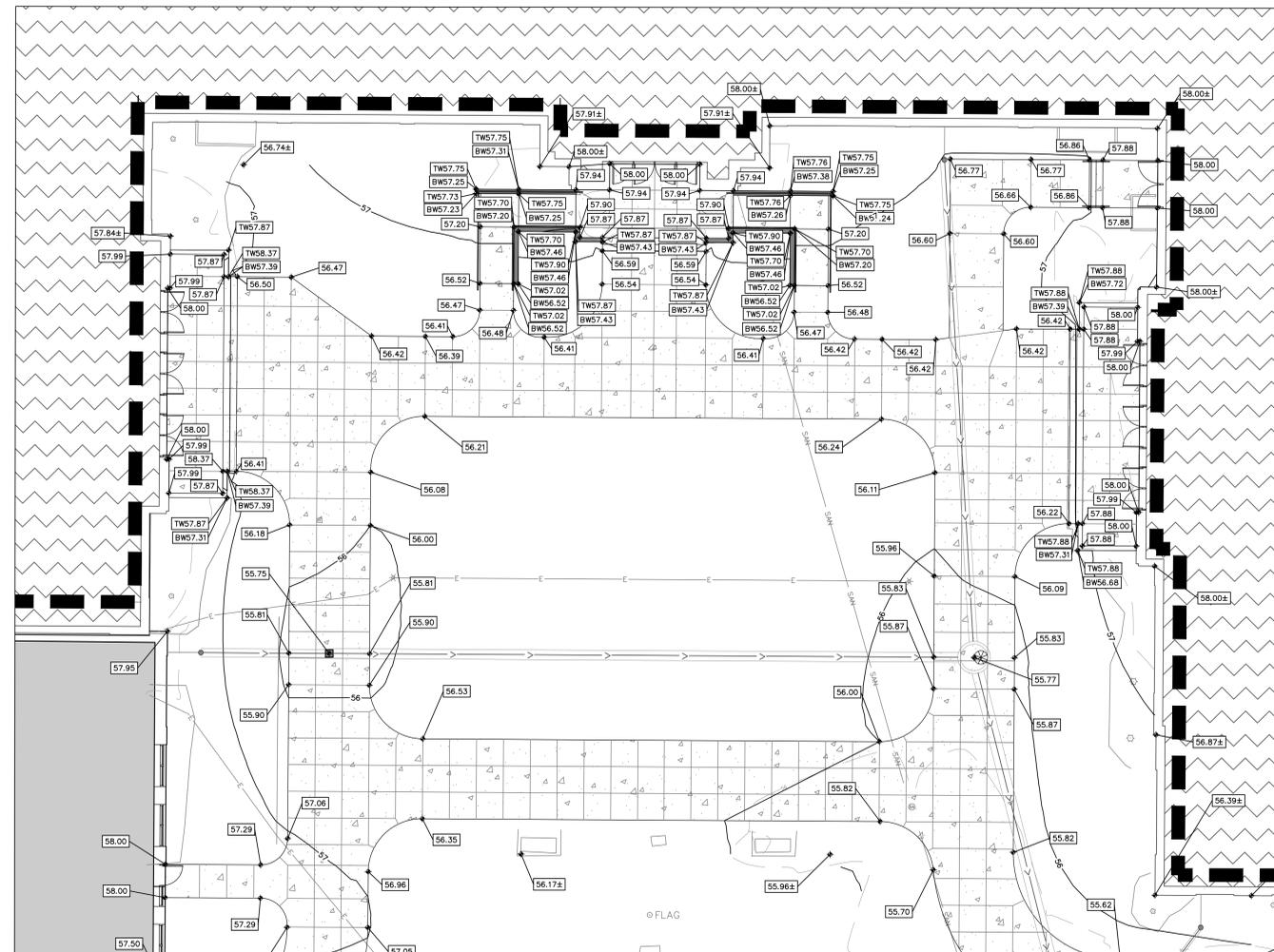
DETAIL GRADING VIEW OF WEST PARKING LOT ISLAND



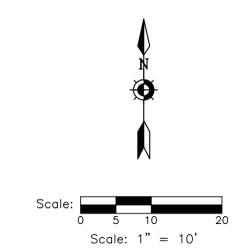
DETAIL GRADING VIEW OF CENTRAL COURTYARD



DETAIL GRADING VIEW OF TRASH ENCLOSURE AND EAST ENTRY STAIRS AND RAMP



DETAIL GRADING VIEW OF SOUTH COURTYARD



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GRADING NOTES

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- MATCH EXISTING GRADE
-
-
-
- PROPOSED TOP OF WALL GRADE
- PROPOSED BOTTOM OF WALL GRADE
- DRAINAGE SWALE

STORM SEWER STRUCTURE TABLE						
STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT	BOTTOM:	DETAIL:
CB-1	48" DIAMETER (R-3067-R)	51.11		ST-1, 12" S INV = 48.62	47.12	6&11/C2.20
CB-2	48" DIAMETER (R-3067-R)	52.07		ST-2, 12" N INV = 48.94	47.44	6&11/C2.20
CB-3	48" DIAMETER (R-3067-R)	51.92	ST-2, 12" S INV = 48.89	ST-3, 12" N INV = 48.87	47.37	6&11/C2.20
CB-4	18" NYLOPLAST DRAIN (1899CGS)	51.54		ST-4, 8" W INV = 49.86	48.36	9/C2.20
CB-5	48" DIAMETER (R-2502-D)	51.54	EX ST, 12" E INV = 49.19	EX ST, 12" W INV = 49.19	46.54	5/C2.20
CB-6	18" NYLOPLAST DRAIN (1899CGS)	57.71		ST-7, 8" N INV = 54.71	53.21	9/C2.20
CB-7	48" DIAMETER (R-3067-R)	51.72		ST-9, 12" N INV = 48.70	47.20	6&11/C2.20
CB-8	48" DIAMETER (R-3067-R)	51.63	ST-9, 12" S INV = 48.62	ST-10, 15" E INV = 48.37	46.87	6&11/C2.20
CB-9	48" DIAMETER (R-3067-R)	51.83		ST-11, 12" SE INV = 48.82	47.32	6&11/C2.20
CB-10	48" DIAMETER (R-3067-R)	54.59		ST-14, 12" S INV = 51.48	49.98	6&11/C2.20
CB-11	48" DIAMETER (R-3067-R)	54.56	ST-14, 12" N INV = 51.45	ST-15, 15" E INV = 51.55	49.95	6&11/C2.20
CB-12	15" NYLOPLAST DRAIN (1599CGP)	55.75	ST-16, 12" W INV = 52.31	ST-17, 15" E INV = 52.06	50.56	10/C2.20
CB-13	48" DIAMETER (R-2502-D)	55.77	ST-17, 15" W INV = 51.50 ST-18, 12" N INV = 51.75	ST-19, 18" S INV = 51.25	51.25	5&11/C2.20
CB-14	18" NYLOPLAST DRAIN (1899CGS)	57.22	DT, 4" N/W/SW/SE INV = 54.82	ST-23, 8" E INV = 51.79	50.29	10/C2.20
CB-15	18" NYLOPLAST DRAIN (1899CGS)	54.35	DT, 4" W/S/E INV = 51.88 ST-23, 8" W INV = 51.35	ST, 8" N INV = 51.35	49.85	10/C2.20
EX CB-1	EXISTING CATCH BASIN	52.07	EX ST, 12" NE INV = 46.84 ST-13, 12" S INV = 46.84	EX ST, 12" NW INV = 46.84	45.34	
EX ST MH-1	EXISTING STORM MANHOLE	54.42	EX ST, 10" N INV = 49.62 ST-4, 8" E INV = 49.62	EX ST, 18" W INV = 49.56	48.12	
FES-1	18" RCP APRON ENDWALL		ST-20, 18" W INV = 50.50			4&5/C2.21
FES-2	SDD 8F6 REINFORCED CONCRETE APRON ENDWALL		ST-22, 6" N INV = 52.75			4&5/C2.21
OS-1	48" OUTLET STRUCTURE	52.50	ST, 6" N INV = 48.00	EX ST, 12" SE INV = 47.59	46.39	3/C2.21
ST BLDG-1	BUILDING CONNECTION			ST-5, 12" N INV = 52.75		
ST BLDG-2	BUILDING CONNECTION			ST-16, 12" E INV = 52.50		
ST BLDG-3	BUILDING CONNECTION			ST-18, 12" S INV = 52.50		
ST BLDG-4	N/A			ST-21, 6" SW INV = 52.50		
ST BLDG-5	N/A			ST-22, 6" S INV = 53.17		
ST MH-1	48" DIAMETER (R-1661)	51.57	EX ST, 12" NE INV = 48.57 ST-1, 12" N INV = 48.57 ST-3, 12" S INV = 48.57	EX ST, 12" W INV = 48.57	48.57	1/C2.20
ST MH-2	48" DIAMETER (R-1661)	57.21	ST-5, 12" S INV = 52.61	ST-6, 12" E INV = 52.61	52.61	1/C2.20
ST MH-3	48" DIAMETER (R-1661)	57.57	ST-6, 12" W INV = 51.25 ST-7, 8" S INV = 54.16	ST-8, 12" N INV = 51.25	51.25	1/C2.20
ST MH-4	48" DIAMETER (R-1661)	52.56	ST-8, 12" S INV = 48.10 ST-10, 15" W INV = 47.85 ST-11, 12" NW INV = 48.38	ST-12, 15" E INV = 47.85	47.85	1/C2.20
ST MH-5	30" NYLOPLAST DRAIN (3099CGS)		ST-12, 15" W INV = 47.67			2/C2.23
ST MH-6	30" NYLOPLAST DRAIN (3099CGS)			ST-13, 12" N INV = 47.00		2/C2.23
ST MH-7	48" DIAMETER (R-1661)	55.28	ST-15, 15" W INV = 51.00 ST-19, 18" N INV = 50.75 ST-21, 6" NE INV = 52.20	ST-20, 18" E INV = 50.75	50.75	1/C2.20

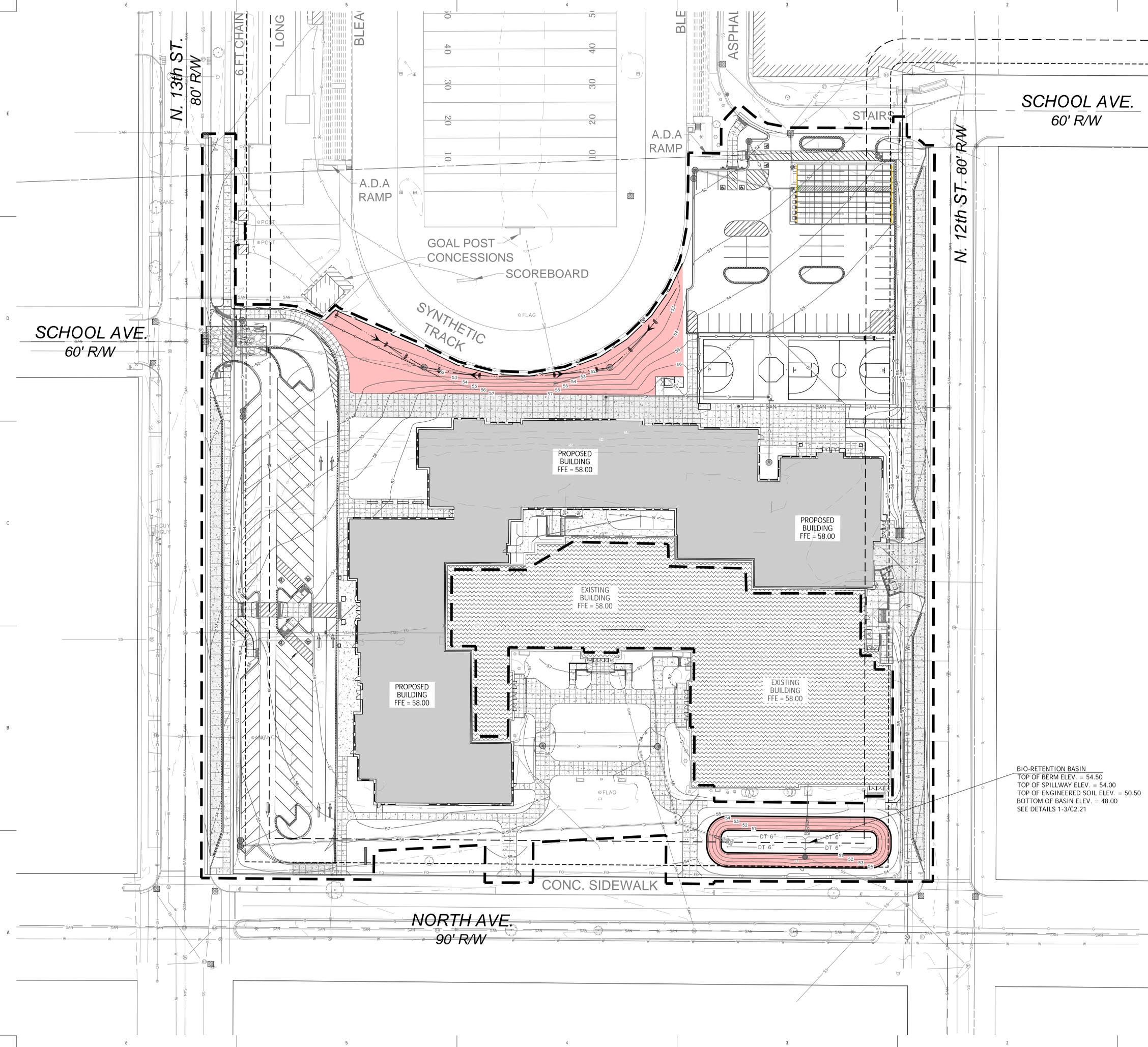
SANITARY SEWER STRUCTURE TABLE						
STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT	BOTTOM:	DETAIL:
EX SAN MH-1	N/A		SAN-3, 6" W INV = 45.57	EX SAN, 12" S INV = 43.67± EX SAN, 12" N INV = 43.68±		
SAN BLDG-1	N/A			SAN-1, 6" SW INV = 50.25		
SAN BLDG-2	N/A			SAN-2, 6" N INV = 51.25		
SAN MH-1	48" DIAMETER (R-1661)	57.23	SAN-1, 6" NE INV = 49.47	EX SAN, 6" W INV = 47.57±	49.47	2/C2.20
SAN MH-2	48" DIAMETER (R-1661)	57.59	SAN-2, 6" S INV = 50.99	SAN-3, 6" E INV = 49.06	49.06	2/C2.20

STORM SEWER PIPE TABLE								
PIPE NAME:	FROM:	TO:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	GPM:
ST-1	CB-1	ST MH-1	48.62	48.57	19.12'	0.25%	12" DUAL WALL HDPE	
ST-2	CB-2	CB-3	48.94	48.89	4.99'	1.00%	12" DUAL WALL HDPE	
ST-3	CB-3	ST MH-1	48.87	48.57	57.95'	0.52%	12" DUAL WALL HDPE	
ST-4	CB-4	EX ST MH-1	49.86	49.62	47.81'	0.50%	8" SDR 35 PVC	
ST-5	ST BLDG-1	ST MH-2	52.75	52.61	14.15'	1.00%	12" DUAL WALL HDPE	
ST-6	ST MH-2	ST MH-3	52.61	51.25	136.36'	1.00%	12" DUAL WALL HDPE	
ST-7	CB-6	ST MH-3	54.71	54.16	54.90'	1.00%	8" SDR 35 PVC	
ST-8	ST MH-3	ST MH-4	51.25	48.10	175.66'	1.79%	12" DUAL WALL HDPE	
ST-9	CB-7	CB-8	48.70	48.62	7.62'	1.00%	12" DUAL WALL HDPE	
ST-10	CB-8	ST MH-4	48.37	47.85	65.20'	0.80%	15" DUAL WALL HDPE	
ST-11	CB-9	ST MH-4	48.82	48.38	43.92'	1.00%	12" DUAL WALL HDPE	
ST-12	ST MH-4	ST MH-5	47.85	47.67	17.50'	1.00%	15" DUAL WALL HDPE	
ST-13	ST MH-6	EX CB-1	47.00	46.84	28.92'	0.55%	12" DUAL WALL HDPE	
ST-14	CB-10	CB-11	51.48	51.45	5.00'	0.50%	12" DUAL WALL HDPE	
ST-15	CB-11	ST MH-7	51.55	51.00	365.19'	0.15%	15" DUAL WALL HDPE	
ST-16	ST BLDG-2	CB-12	52.50	52.31	19.08'	1.00%	12" DUAL WALL HDPE	
ST-17	CB-12	CB-13	52.06	51.50	95.92'	0.58%	15" DUAL WALL HDPE	
ST-18	ST BLDG-3	CB-13	52.50	51.75	74.87'	1.00%	12" DUAL WALL HDPE	
ST-19	CB-13	ST MH-7	51.25	50.75	66.28'	0.75%	18" DUAL WALL HDPE	
ST-20	ST MH-7	FES-1	50.75	50.50	33.41'	0.75%	18" CLASS IV RCP	
ST-21	ST BLDG-4	ST MH-7	52.50	52.20	29.56'	1.00%	6" SDR 35 PVC	
ST-22	ST BLDG-5	FES-2	53.17	52.75	20.09'	2.09%	6" SDR 35 PVC	
ST-23	CB-14	CB-15	51.79	51.35	87.76'	0.50%	8" SDR 35 PVC	

SANITARY SEWER PIPE TABLE								
PIPE NAME:	FROM:	TO:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	DFU:
SAN-1	SAN BLDG-1	SAN MH-1	50.25	49.47	32.17'	2.42%	6" SDR 35 PVC	
SAN-2	SAN BLDG-2	SAN MH-2	51.25	50.99	12.82'	2.00%	6" SDR 35 PVC	
SAN-3	SAN MH-2	EX SAN MH-1	49.06	45.57	174.59'	2.00%	6" SDR 35 PVC	

WATER MAIN PIPE TABLE							
PIPE NAME:	FROM:	TO:	FROM INVERT ELEVATION:	TO INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:
WM-1	WM FIT-1	WM VLV-1	45.26	45.25	5.00'	0.25%	6" C900 PVC PIPE
WM-2	WM VLV-1	WM FIT-2	45.25	45.45	305.95'	-0.07%	6" C900 PVC PIPE
WM-3	WM FIT-2	WM BLDG-1	47.00	45.45	32.15'	4.82%	6" C900 PVC PIPE

WATER MAIN FITTINGS TABLE		
STRUCTURE NAME:	TYPE:	INVERT ELEVATION:
WM BLDG-1	6" 45 DEGREE BEND	45.45
WM FIT-1	8" X 6" TEE	6" IE 45.26±
WM FIT-2	6" 45 DEGREE BEND	45.45
WM VLV-1	6" GATE VALVE W/VALVE BOX	45.25



SCHOOL AVE.
60' R/W

N. 13th ST.
80' R/W

N. 12th ST. 80' R/W

SCHOOL AVE.
60' R/W

NORTH AVE
90' R/W

Scale: 1" = 30'

0 15 30 60

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www.DiggersHotline.com

EROSION NOTES

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND NOTES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.

POINTS OF CONTACT

LAND OWNER:
JOSEPH VOLLMER - COORDINATOR OF FACILITIES SERVICES
SHEBOYGAN AREA SCHOOL DISTRICT
3330 STAHL ROAD
SHEBOYGAN, WI 53081
PHONE: (920) 459-3571
EMAIL: jvllmer@saed.net

PROJECT ENGINEER:
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KAPUR & ASSOCIATES, INC.
788 NORTH JEFFERSON STREET, SUITE 900
MILWAUKEE, WI 53202
PHONE: (414) 751-7245
EMAIL: m.froelich@kapurinc.com

CONSTRUCTION MANAGER:
----- PROJECT MANAGER
----- CONSTRUCTION
----- STREET
----- MI
PHONE: (-----)

KEY INDEX

	PROJECT LIMITS
	PROPERTY LINE
	EASEMENT LINE
	INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES
	USE CLASS I, TYPE A FROM WISDOT PRODUCT APPROVED LIST FOR ALL SIDE SLOPES
	USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.
	INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES
	DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.
	DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED

BIO-RETENTION BASIN
TOP OF BERM ELEV. = 54.50
TOP OF SPILLWAY ELEV. = 54.00
TOP OF ENGINEERED SOIL ELEV. = 50.50
BOTTOM OF BASIN ELEV. = 48.00
SEE DETAILS 1-3/C2.21

1	2	3	4
C2.10	C2.10	C2.10	C2.10

Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan - Davenport
Saint Paul
www.brayarch.com

Project Title:
Addition & Renovation to:
URBAN MIDDLE SCHOOL
SHEBOYGAN SCHOOL DISTRICT
1226 NORTH AVE.
SHEBOYGAN, WI 53083

REVISIONS:	DATE	DESCRIPTION

Issued for:
**CITY OF SHEBOYGAN
PLAN REVIEW**

2/10/2026

Project Number:
3415

Sheet Title:

**SITE EROSION
CONTROL PLAN**

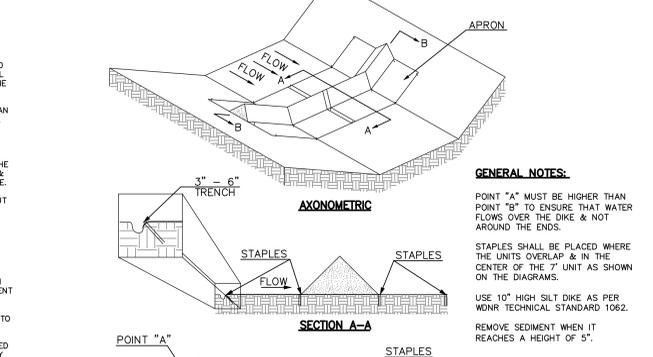
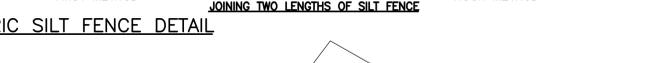
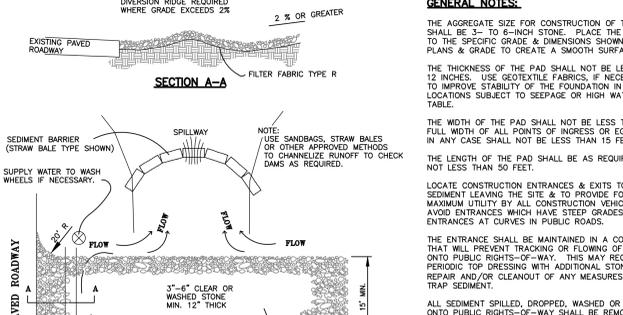
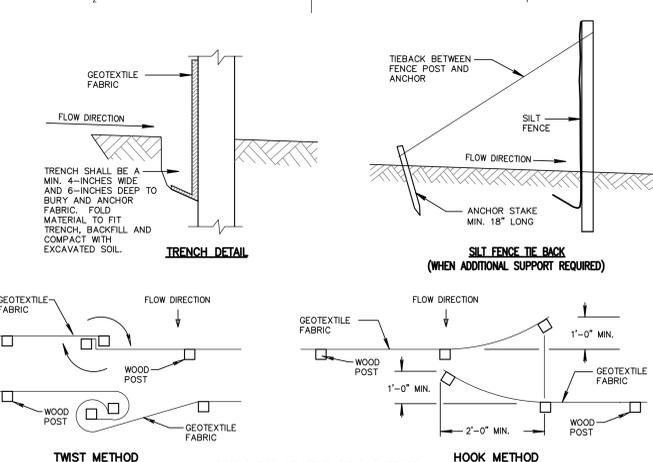
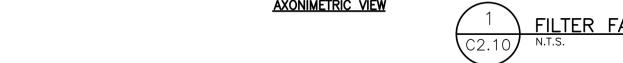
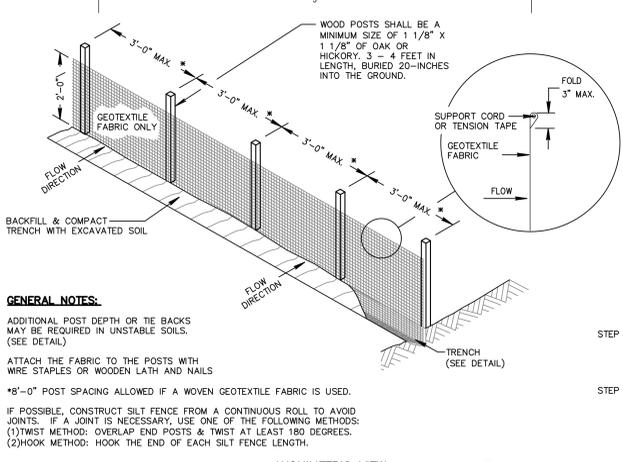
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EROSION CONTROL MEASURES

- CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THE LATEST WDR TECHNICAL STANDARDS. TECHNICAL STANDARDS MAY BE VIEWED ONLINE AT: http://dnr.wisconsin.gov/topic/forms/water/standards/cons_standards.htm
- INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS THAT ARE PHASED IN WITH CONSTRUCTION TO REDUCE SEDIMENT FROM ENTERING THESE AREAS PER WDR TECHNICAL STANDARD 1060 AS FOLLOWS:
 - ALL FABRIC BARRIERS SELECTED FOR INLET/CATCH BASIN PROTECTION DEVICES SHALL BE SELECTED FROM THE LIST OF APPROVED FABRICS LISTED ON INLET PROTECTION GEOTEXTILE FABRIC TYPE FF IN THE CURRENT EDITION OF THE WISCONSIN PRODUCT ACCEPTABILITY LIST. TO OBTAIN THE PAL, PLEASE REFER TO THIS WEBSITE: <http://wisconsin.gov/Documents/dnrc-bus-ana-consultants-consult-records/Tools/pal/pal-1-15-09.pdf>
 - INLET PROTECTION SHALL BE AT A MINIMUM INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 1/4" INCH OR GREATER DURING A 24-HOUR PERIOD.
 - PLACEMENT OF SPOIL MATERIAL, DEBRIS, SOILS, ETC. ON TOP OF INLETS/CATCH BASINS, EVEN IF TEMPORARY, IS STRICTLY DISCOURAGED AND PROHIBITED.
 - SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/2" TO 3/4" THE DESIGN DEPTH OF THE DEVICE FOR TYPES A-C. WHEN SEDIMENT IS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES FOR TYPE D, 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.
 - 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 C ABOVE.
 - 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 WDR.
- A TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO PREVENT OFF-SITE SEDIMENTATION BY ELIMINATING THE TRACKING OF SEDIMENT FROM THE SITE PER WDR TECHNICAL STANDARD 1057 AS FOLLOWS:
 - AGGREGATE USED FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED BY 3 INCH SIEVE.
 - THE AGGREGATE SHALL BE PLACED IN A LAYER OF AT LEAST 12 INCHES THICK ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED. TRACKING PADS WILL BE UNDERLAIN WITH WISDOT TYPE R GEOTEXTILE FABRIC.
 - THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT MIN. 15 FEET WIDE AND BE AT LEAST 50 FEET LONG.
 - VEHICLES TRAVELING ACROSS THE TRACKING PAD SHALL MAINTAIN A SLOW AND CONSTANT SPEED.
 - ANY SEDIMENT OR ROCK ACCUMULATION ONTO LOCAL ROADWAYS SHALL BE REMOVED BY STREET CLEANING, NOT FLUSHING BEFORE THE END OF EACH WORKING DAY.
 - THE TRACKING PAD SHALL, AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 1/4" INCH OR MORE DURING A 24-HOUR PERIOD.
 - THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED AT A MINIMUM OF 1" BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
- THE CONSTRUCTION SITE PERIMETER AND TOPSOIL STOCKPILE AREA SHALL BE PROTECTED WITH SILT FENCE 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 WDR TECHNICAL STANDARD 1056 AS FOLLOWS:
 - SILT FENCE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE AS SHOWN ON THE PLAN SHEET.
 - INSTALLED SILT FENCE SHALL BE A MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.
 - SILT FENCE SHALL BE SUPPORTED BY EITHER STEEL OR WOOD SUPPORT POSTS.
 - THE MAXIMUM SPACING OF POSTS FOR NONWOVEN SILT FENCE SHALL BE 3 FEET OR FOR WOVEN FABRIC 8 FEET.
 - SILT FENCE SHALL HAVE A SUPPORT CORD AT THE TOP OF THE FENCE.
 - 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.
 - A MINIMUM OF 20 INCHES OF THE POSTS SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.
 - SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 6 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.
 - ON THE TERMINAL ENDS OF THE SILT FENCE THE FABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.
 - GEOTEXTILE FABRIC SPECIFICATIONS SHALL MEET VALUES ESTABLISHED IN TECHNICAL STANDARD 1056.
 - SILT FENCE SHALL BE REMOVED ONCE THE SITE IS ADEQUATELY STABILIZED.
 - WHEN PLACING SILT FENCE NEAR TREES, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE ROOT SYSTEM BY AVOIDING COMPACTION AND ROOT CUTTING WITH A RADIUS OF 15 FEET MULTIPLIED BY THE INCH DIAMETER OF THE TREE.
 - THE CONTRACTOR MAY FURTHER STRENGTHEN THE SILT FENCE BY USING HAY BALES ON THE DOWN SLOPE SIDE AS NEEDED.
 - SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 1/4" INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 - DAMAGED OR DECOMPOSED SILT FENCE, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
 - SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH 1/2" THE HEIGHT OF THE FENCE TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.
- SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR WHERE LAND-DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 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 WDR TECHNICAL STANDARDS 1059 AND 1058 RESPECTIVELY AS FOLLOWS:
 - TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.
 - FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING.
 - THE SOIL SHALL HAVE A PH RANGE OF 5.5 TO 8.0.
 - 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.
 - SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL.
 - 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 OR CEREAL RYE APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 15 TONS/ACRE. DOMINANT 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. COVER IS NEEDED AFTER SNOW FALLS. CONTRACTOR MAY CHOOSE TO USE A DRY, NONTXIC TYPE B SOIL STABILIZER PER MANUFACTURER'S SPECIFICATIONS AS REQUIRED BY THE WDR.
 - SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET.
 - CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT RUNOFF AND EROSION.
 - DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 1/4" INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOIL IS LAID. REPAIR AND RESEED AREAS THAT HAVE EROSION DAMAGE AS NECESSARY.
 - CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEED AS MUCH AS POSSIBLE. RE-SEED OVER ANY COMPACTED AREAS AS NEEDED.
 - MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.
 - MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT OF MULCH.
 - MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
 - WHEN CHANNEL EROSION MAT IS USED WITHIN CONSTRUCTION SITE DIVERSION AREAS, TECHNICAL STANDARDS 1053 AND 1056 SHALL BE FOLLOWED.
 - WHEN NON-CHANNEL EROSION MAT IS USED TECHNICAL STANDARD 1052 SHALL BE FOLLOWED.
 - 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.
- A COPY OF EROSION CONTROL INSPECTION REPORTS AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT ON SITE.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL PRACTICES BY THE END OF EACH WORKDAY.
- LOCAL ROADS SHALL BE CLEAN BY THE END OF EACH WORKDAY. CONTRACTOR SHALL HAVE LOCAL ROADS SWEEP WHERE SEDIMENT ACCUMULATES.



EROSION CONTROL OPERATION SEQUENCE + SCHEDULE

- AFTER BIDS ARE RECEIVED AND A MASS GRADING CONTRACTOR IS SELECTED, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE WITH ALL RELEVANT PARTIES IN ATTENDING TO REVIEW THESE INSTRUCTIONS WHILE PERFORMING DEWATERING ACTIVITIES ON-SITE. IF DEWATERING IS TO TAKE PLACE AT THE SITE, IT WILL OCCUR BETWEEN STEPS 3 AND 14 OF THE EROSION CONTROL OPERATION SEQUENCE.
- 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 BY THE WDR.
- THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED WDR TECHNICAL STANDARD NUMBER 1061.
 - 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.
 - A TYPE 2 GEOTEXTILE BAG THAT IS NO SMALLER THAN 100 SQUARE FEET; HAS A MAXIMUM APPARENT OPENING SIZE OF 0.25 MM; HAS A GRAB TENSILE STRENGTH OF 300 LBS MILLIN BURST OF 580 PSIG; 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.
 - POLYMER APPROVED BY THE WDR MEETING WDR 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 WDR BEFORE USE ON-SITE FOR WDR APPROVAL. POLYMER SHALL NOT BE DIRECTLY APPLIED TO SURFACE WATER. CONTRACTOR SHALL OBTAIN MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE SELECTED POLYMER, MANUFACTURER'S INFORMATION AND WDR USE RESTRICTIONS (SEE TECHNICAL STANDARD 1051) AND KEEP ALL THIS INFORMATION ON-SITE. CONTRACTOR SHALL ADHERE TO MANUFACTURER AND WDR'S APPLICATION RATES FOR THE POLYMER, WITH THE WDR'S RATE TAKING PRECEDENCE. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE POLYMER IS NOT SPILLED. SPILL KITS SHALL BE KEPT ON SITE. THE MANUFACTURER'S RECOMMENDED CLEANUP PROCEDURES SHALL BE FOLLOWED IN THE EVENT OF A SPILL.
 - A TARP MAY BE UTILIZED UNDERNEATH THE TYPE 2 GEOTEXTILE BAG AND JUMP DOWN SLOPE OF THE BAG TO DISCOURAGE EROSION AND SCOUR.
 - 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.
 - 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.
 - DURING DEWATERING ACTIVITIES THE CONTRACTOR SHALL MONITOR DEWATERING PRACTICES AND KEEP A LOG OF THE FOLLOWING:
 - DISCHARGE DURATION AND SPECIFIED PUMPING RATE.
 - OBSERVED WATER TABLE AT TIME OF DEWATERING.
 - MAINTENANCE ACTIVITIES.
 - NAME AND QUANTITY OF POLYMER USED, PRODUCT TYPE, APPLICATION RATE OF POLYMER IN POUNDS/ACRE FEET OF WATER, DATE AND TIME APPLIED, WEATHER CONDITIONS DURING APPLICATION, METHOD OF APPLICATION.
- THIS LOG NEEDS TO BE KEPT ON SITE FOR WDR REGULATORY REVIEW. COPIES OF THIS DOCUMENTATION SHOULD BE KEPT AT THE CONTRACTOR'S MONITORING LOG AND MADE AVAILABLE UPON REQUEST.
- REVIEW THE FOLLOWING FOR MORE INFORMATION:
 WDR TECHNICAL STANDARD 1061 FOR DEWATERING - http://dnr.wisconsin.gov/topic/water/DocumentLibrary/DeWatering_1061.pdf
 WDR TECHNICAL STANDARD 1051 FOR POLYMER - http://dnr.wisconsin.gov/topic/forms/water/standards/cons_standards.htm
- INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY/0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS, WDR PERMITS & CHAPTER 30 PERMITS SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.
- AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOODPLAINS UNLESS IDENTIFIED IN THE PLANS & APPROVED BY DNR/USACOE.

DEWATERING PLAN

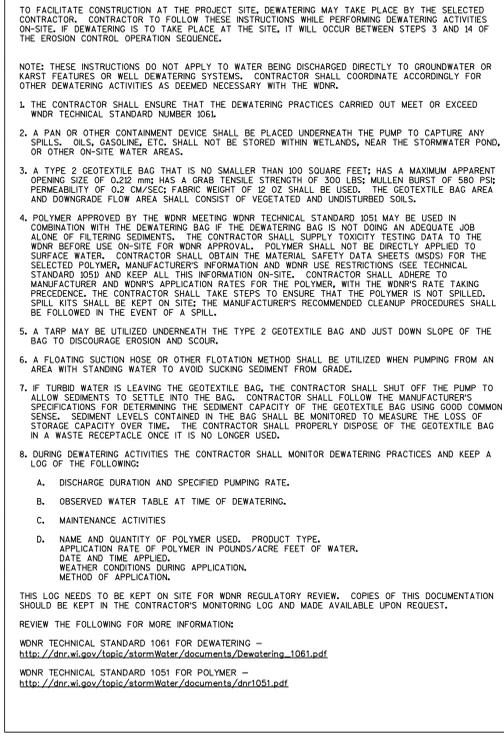
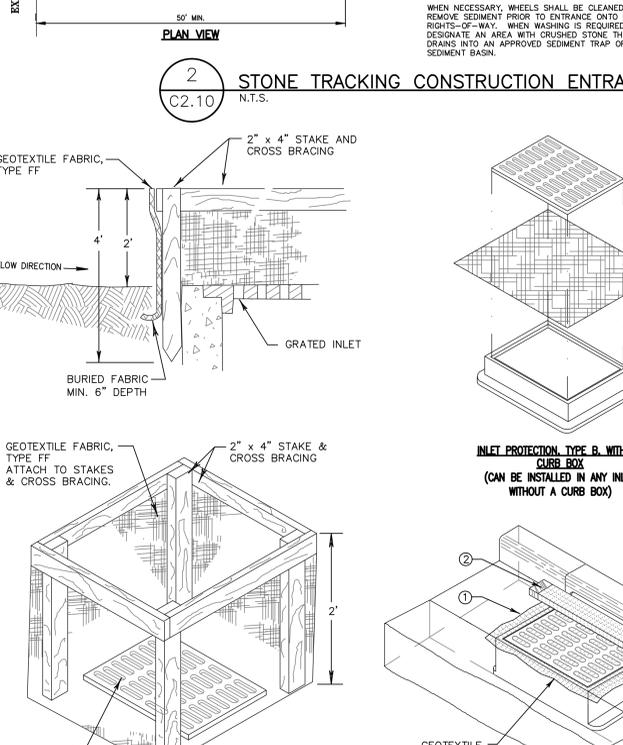


TABLE 1 - MAXIMUM PERIOD OF BARE SOIL FOR SLOPES GREATER THAN 20%

SLOPE AREA DRAINS TO	LAND DISTURBANCE BETWEEN SEPT. 16 AND MAY 1	LAND DISTURBANCE BETWEEN MAY 2 AND SEPT. 15
YES	90 DAYS	90 DAYS
NO	60 DAYS	30 DAYS

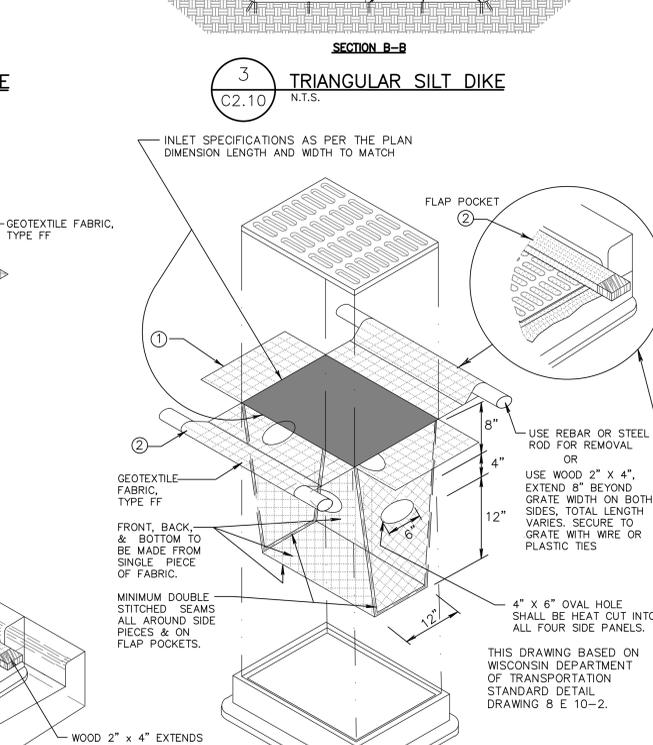
TABLE FROM W DNR GUIDANCE DOC # 3800-2015-06

STONE TRACKING CONSTRUCTION ENTRANCE



- GENERAL NOTES:**
- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
 - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
 - FINISHED SIDE SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL. SIDE FLAPS, WHEN REQUIRED SHALL BE A MIN. OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
 - FOR INLET PROTECTION, TYPE C (WITH CURB BOX), FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"x4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE FLAP AND NOT BLOCK THE TOP HALF OF THE CURB BOX OPENING.

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- INSTALLATION NOTES:**
- TYPE B & C:** TRIM EXCESS FABRIC A MINIMUM OF 10" AROUND GRATE FOR MAINTENANCE OR REMOVAL. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEW FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
 - TYPE D:** UTILIZE INLET PROTECTION TYPE D IN INLETS DEEPER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR MAY CINCH THE BAG, USING PLASTIC ZIP TIES, TO FIT INLETS LESS THAN 30" DEPTH. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

CONSTRUCTION SCHEDULES SHOULD CHANGE SIGNIFICANTLY. THIS PLAN NARRATIVE WILL BE UPDATED AND RESUBMITTED BY THE GENERAL CONTRACTOR TO THE CITY AND WDR.

INLET PROTECTION DETAIL



BRAY ARCHITECTS

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 Saint Paul

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Project Title:
**Addition & Renovation to:
 URBAN MIDDLE SCHOOL
 SHEBOYGAN SCHOOL DISTRICT
 1226 NORTH AVE.
 SHEBOYGAN, WI 53083**

REVISIONS:
 DATE DESCRIPTION

Issued for:
**CITY OF SHEBOYGAN
 PLAN REVIEW**

Project Number:
3415

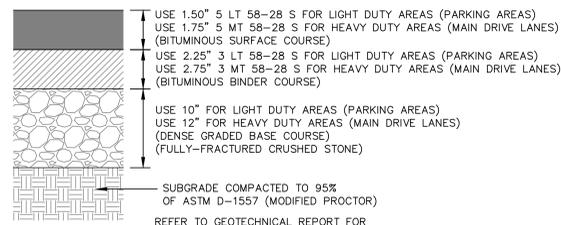
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SITE EROSION CONTROL DETAILS

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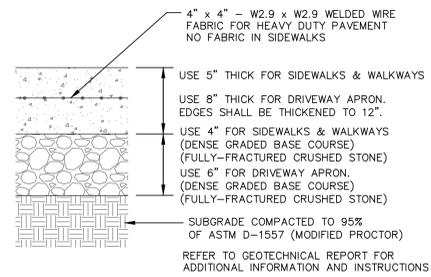
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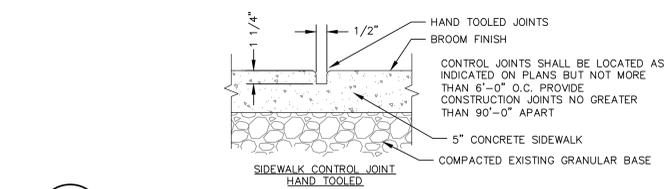
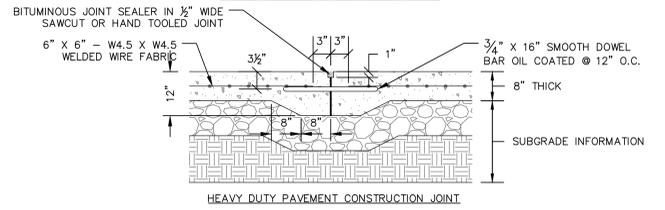
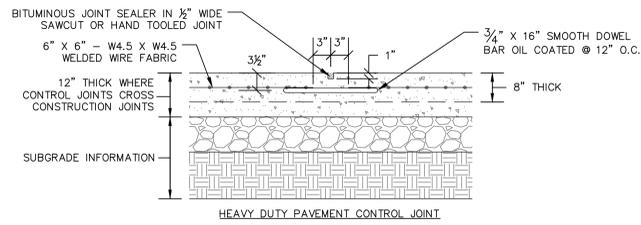
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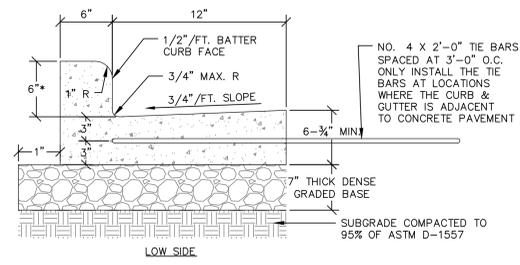
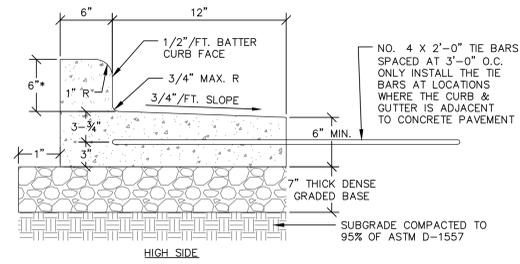
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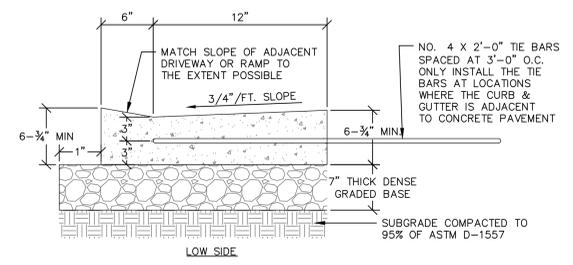
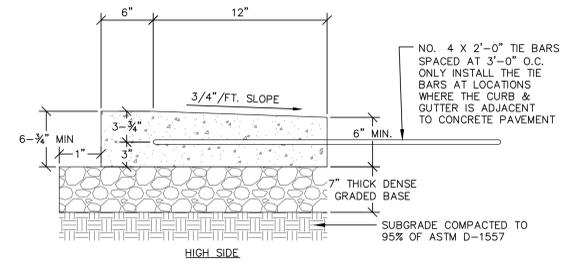
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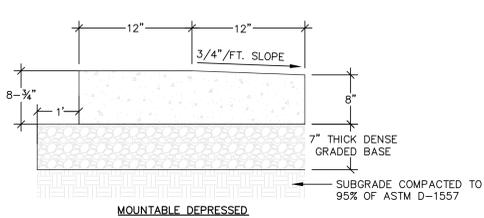
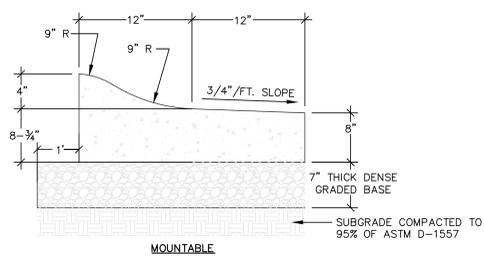
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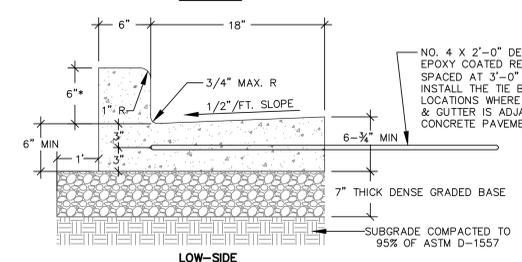
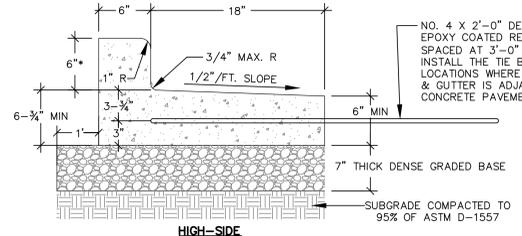
4 18-INCH BARRIER CONCRETE CURB & GUTTER
C2.11 N.T.S.



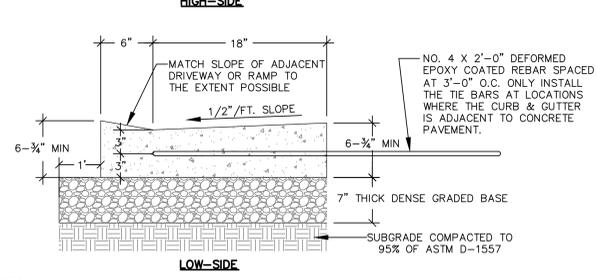
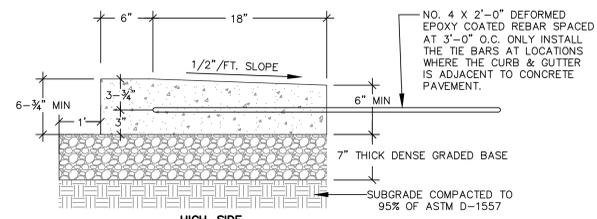
5 18-INCH DEPRESSED CONCRETE CURB & GUTTER
C2.11 N.T.S.



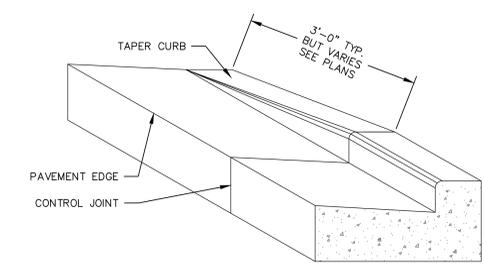
6 24-INCH MOUNTABLE HIGH-SIDE CONCRETE CURB & GUTTER
C2.11 N.T.S.



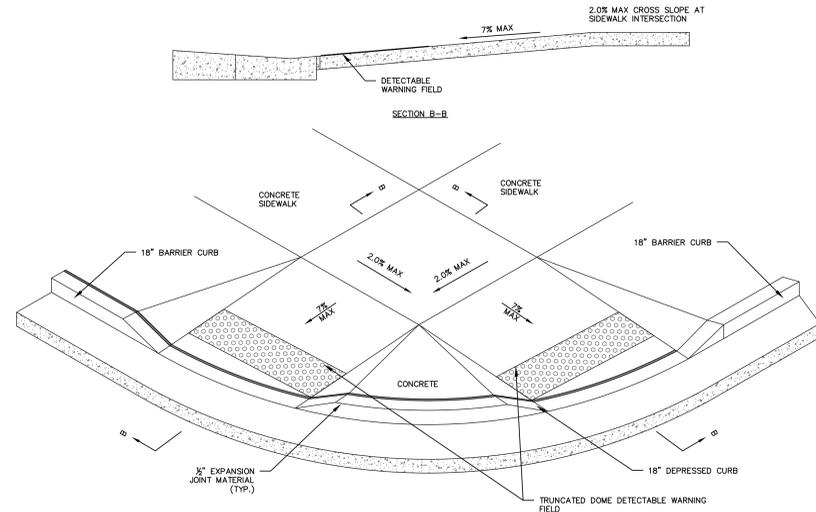
7 24-INCH BARRIER CONCRETE CURB & GUTTER
C2.11 N.T.S.



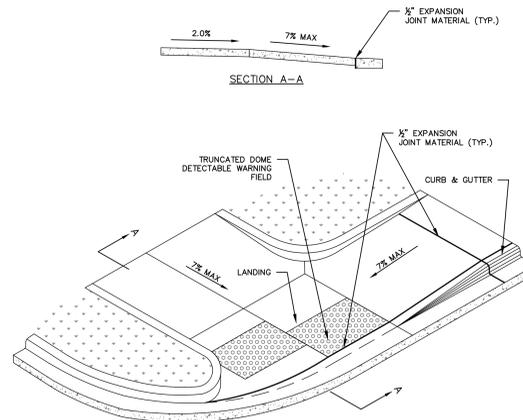
8 24-INCH DEPRESSED CONCRETE CURB & GUTTER
C2.11 N.T.S.



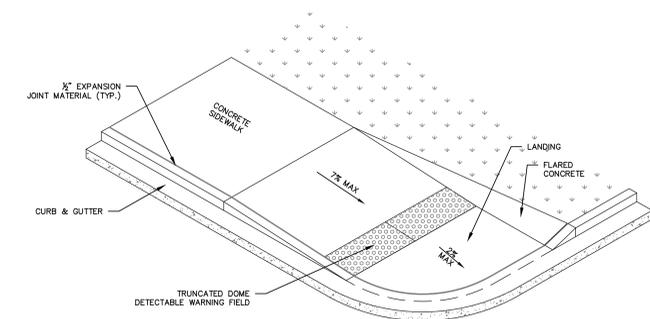
9 CONCRETE CURB & GUTTER TRANSITION TO ZERO-FACE CURB
C2.11 N.T.S.



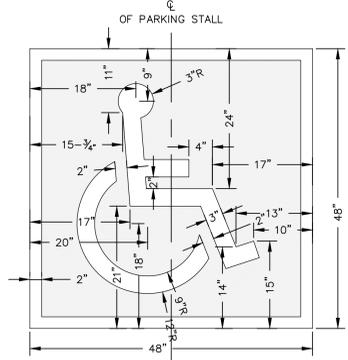
10 ACCESSIBILITY RAMP DETAIL WITH TRUNCATED DOME DETECTABLE WARNING FIELD
C2.11 N.T.S.



11 ACCESSIBILITY RAMP DETAIL WITH TRUNCATED DOME DETECTABLE WARNING FIELD
C2.11 N.T.S.

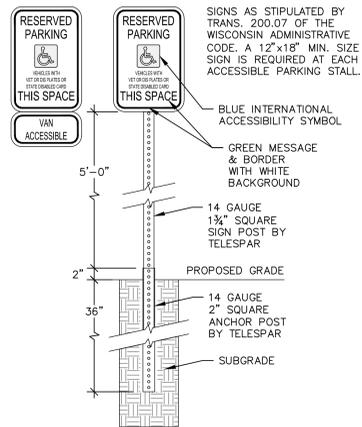


12 ACCESSIBILITY RAMP DETAIL WITH TRUNCATED DOME DETECTABLE WARNING FIELD
C2.11 N.T.S.



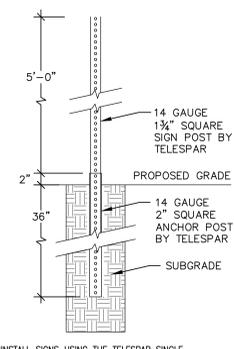
NOTE: SYMBOL AND BORDER SHALL BE PAINTED WHITE. BACKGROUND SHALL BE PAINTED BLUE.

1 INTERNATIONAL ACCESSIBILITY SYMBOL FOR PARKING STALLS
C2.14 N.T.S.



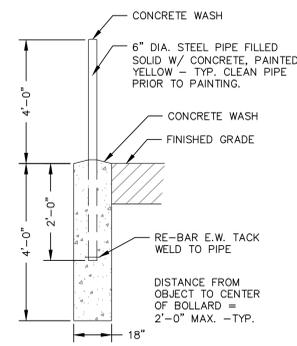
*INSTALL SIGNS USING THE TELESPEAR SINGLE BREAKAWAY ANCHOR METHOD. SEE SITE PLAN FOR SIGN LOCATIONS.

2 ACCESSIBLE PARKING STALL SIGN
C2.14 N.T.S.



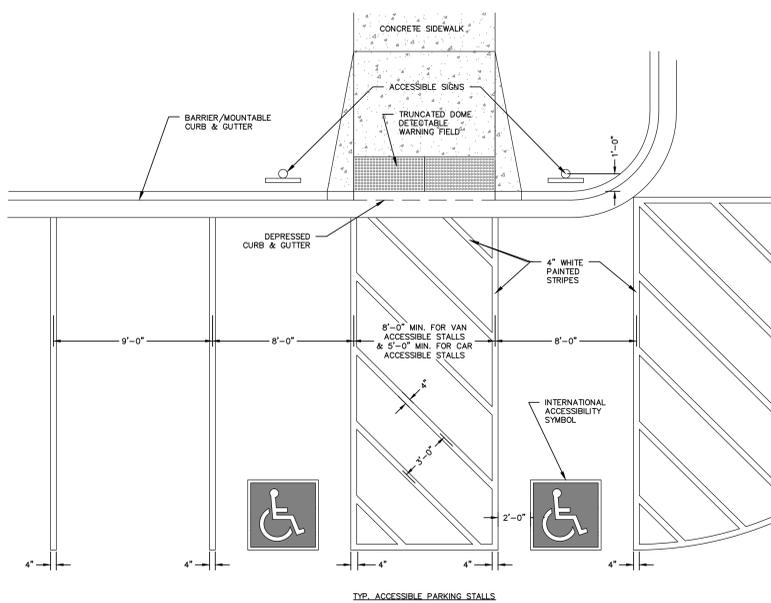
*INSTALL SIGNS USING THE TELESPEAR SINGLE BREAKAWAY ANCHOR METHOD. SEE SITE PLAN FOR SIGN LOCATIONS.

3 SIGN POST DETAIL
C2.14 N.T.S.



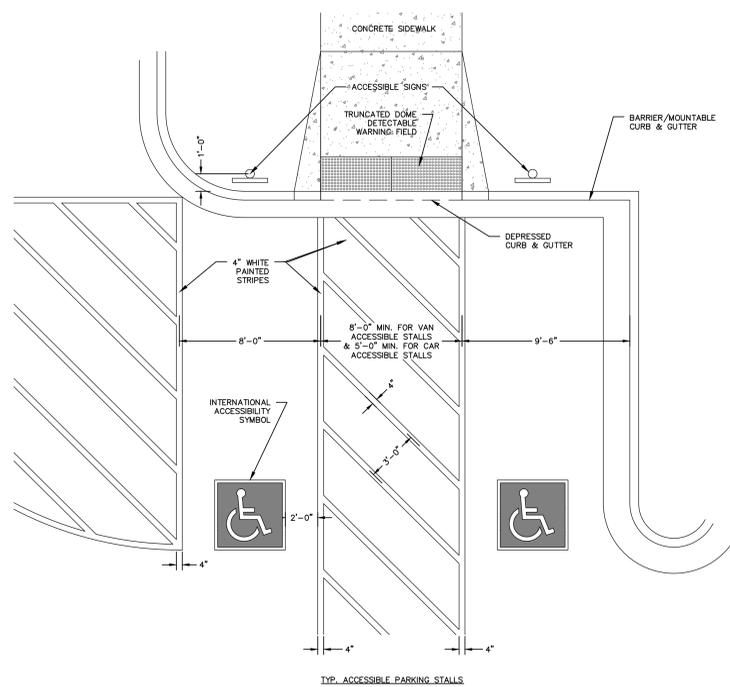
DISTANCE FROM OBJECT TO CENTER OF BOLLARD = 2'-0" MAX. - TYP.

4 STANDARD STEEL BOLLARD
C2.14 N.T.S.



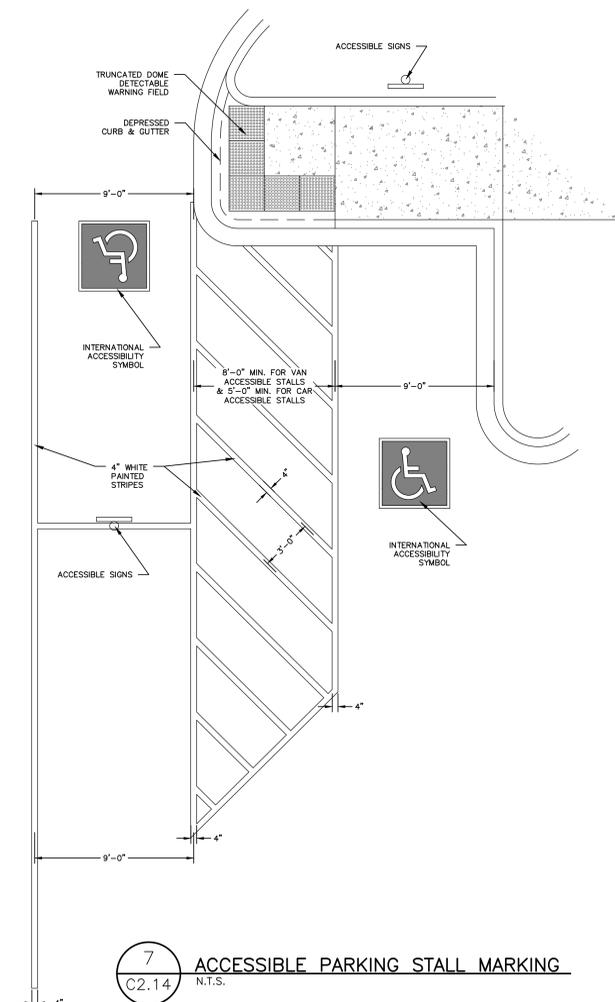
TYP. ACCESSIBLE PARKING STALLS

5 ACCESSIBLE PARKING STALL MARKING
C2.14 N.T.S.

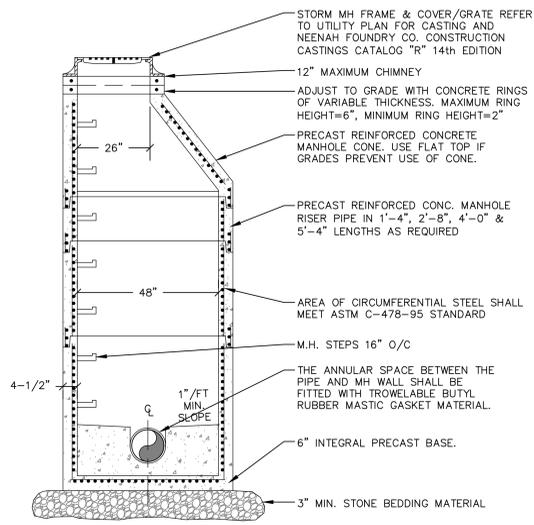


TYP. ACCESSIBLE PARKING STALLS

6 ACCESSIBLE PARKING STALL MARKING
C2.14 N.T.S.

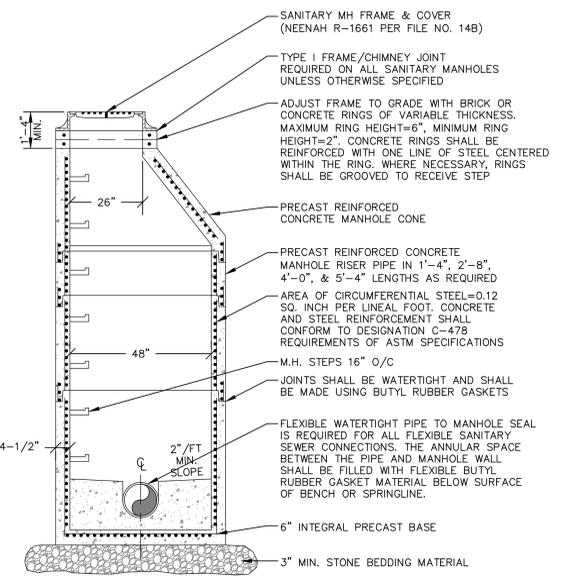


7 ACCESSIBLE PARKING STALL MARKING
C2.14 N.T.S.



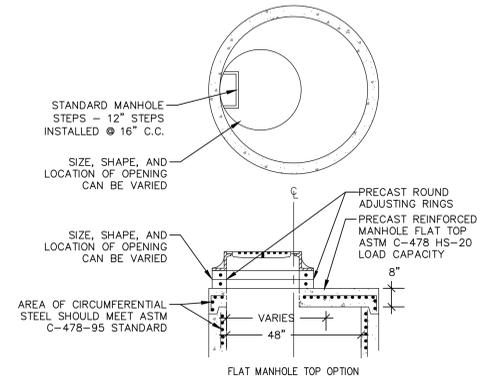
- STORM MANHOLE NOTES:**
1. PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
 2. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
 3. JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
 4. 3" 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, INCLUDING INVERTS OF LATERAL SEWERS THAT CONNECT DIRECTLY TO MANHOLES.

1 STORM MANHOLE DETAIL
C2.20 N.T.S.

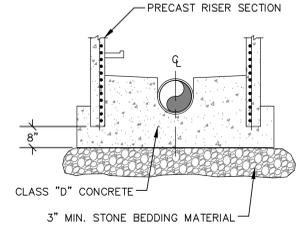


- SANITARY MANHOLE NOTES:**
1. 4" MIN. BEDDING MATERIAL REQUIRED UNDER INTEGRAL PRECAST MANHOLE BASE WITH A MINIMUM OF 4" OF GRANULAR BACKFILL MATERIAL PLACED AROUND THE OUTSIDE OF THE STRUCTURE.
 2. SEE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, FILE NO. 12 FOR PRECAST MANHOLE AND FILE NO. 13 FOR MANHOLE INVERTS, INCLUDING INVERTS OF LATERAL SEWERS THAT CONNECT DIRECTLY TO MANHOLES.

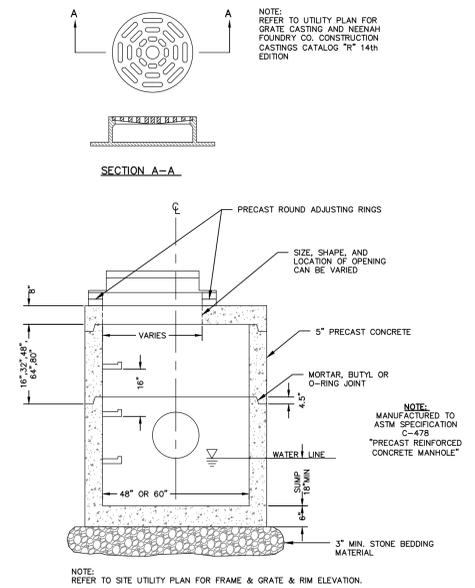
2 SANITARY MANHOLE DETAIL
C2.20 N.T.S.



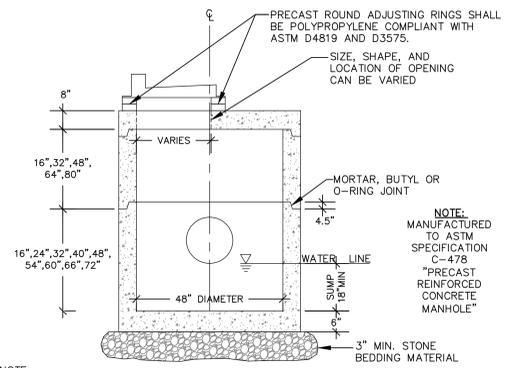
3 OPTIONAL FLAT TOP MANHOLE WITH ROUND FRAME & COVER
C2.20 N.T.S.



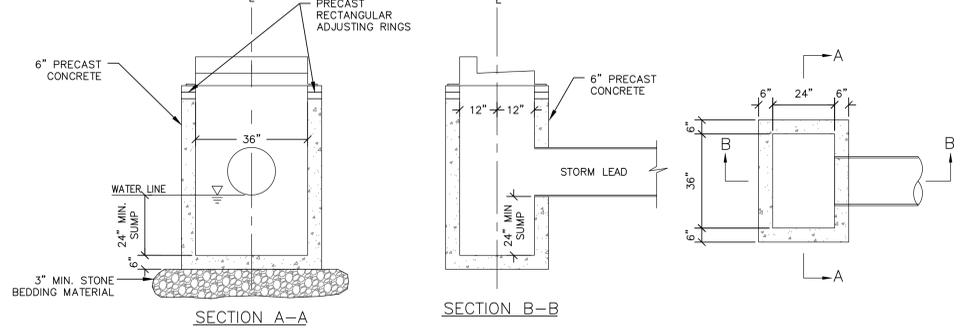
4 OPTIONAL POURED MANHOLE BASE FOR MANHOLES
C2.20 N.T.S.



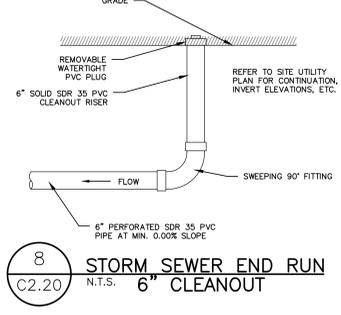
5 48-INCH DIAMETER STORM CATCH BASIN WITH ROUND FRAME & GRATE
C2.20 N.T.S.



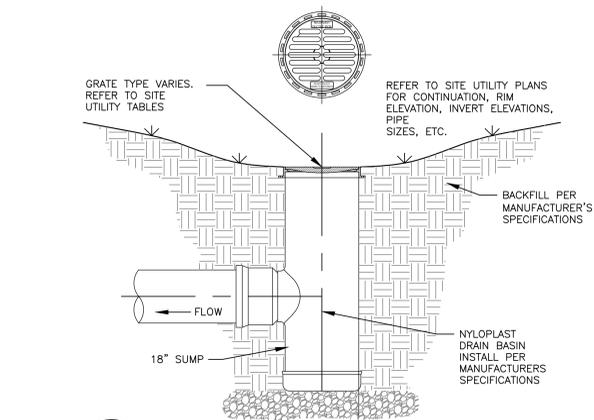
6 ROUND STORM CATCH BASIN WITH CURB BOX FRAME & GRATE
C2.20 N.T.S.



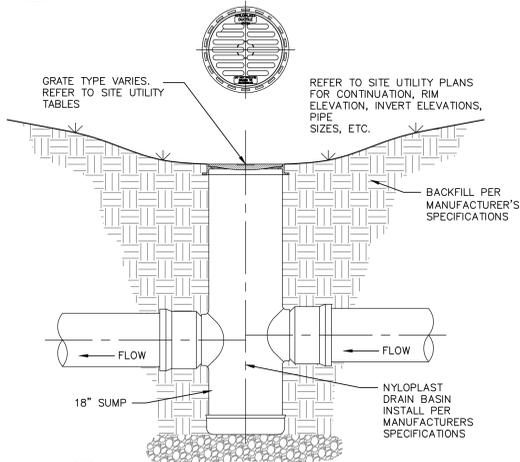
7 24" X 36" STORM CATCH BASIN WITH GUTTER INLET/CURB BOX FRAME & GRATE
C2.20 N.T.S.



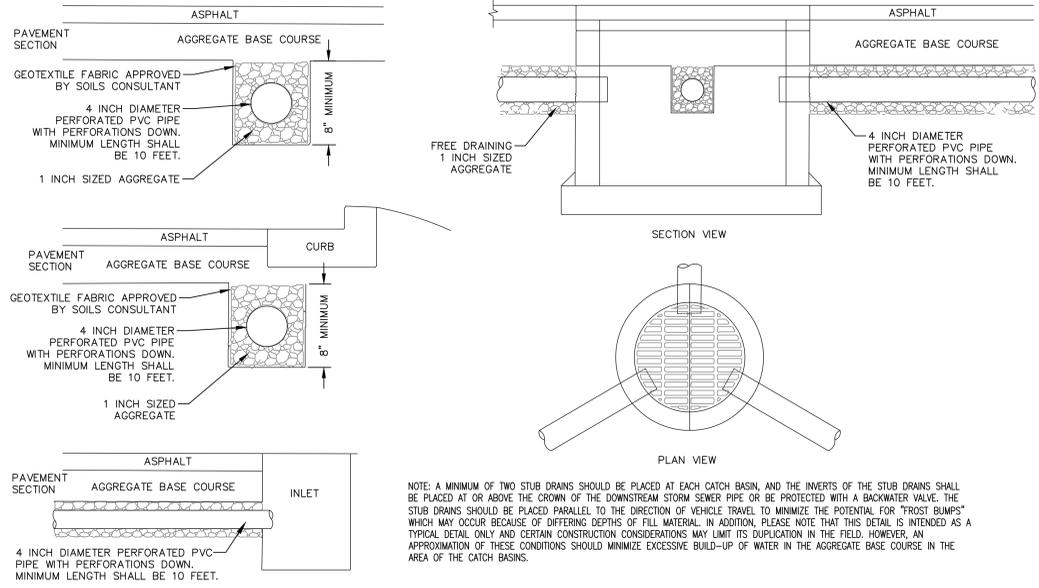
8 STORM SEWER END RUN 6" CLEANOUT
C2.20 N.T.S.



9 NYLOPLAST DRAIN BASIN WITH OUTLET
C2.20 N.T.S.



10 NYLOPLAST DRAIN BASIN WITH INLET AND OUTLET
C2.20 N.T.S.



11 PAVEMENT DRAINTILE SUBDRAINAGE SYSTEM
C2.20 N.T.S.



Project Title:
Addition & Renovation to:
URBAN MIDDLE SCHOOL
SHEBOYGAN SCHOOL DISTRICT
1226 NORTH AVE.
SHEBOYGAN, WI 53083

REVISIONS:
DATE DESCRIPTION

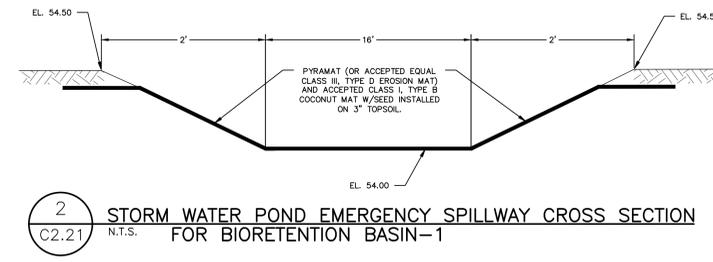
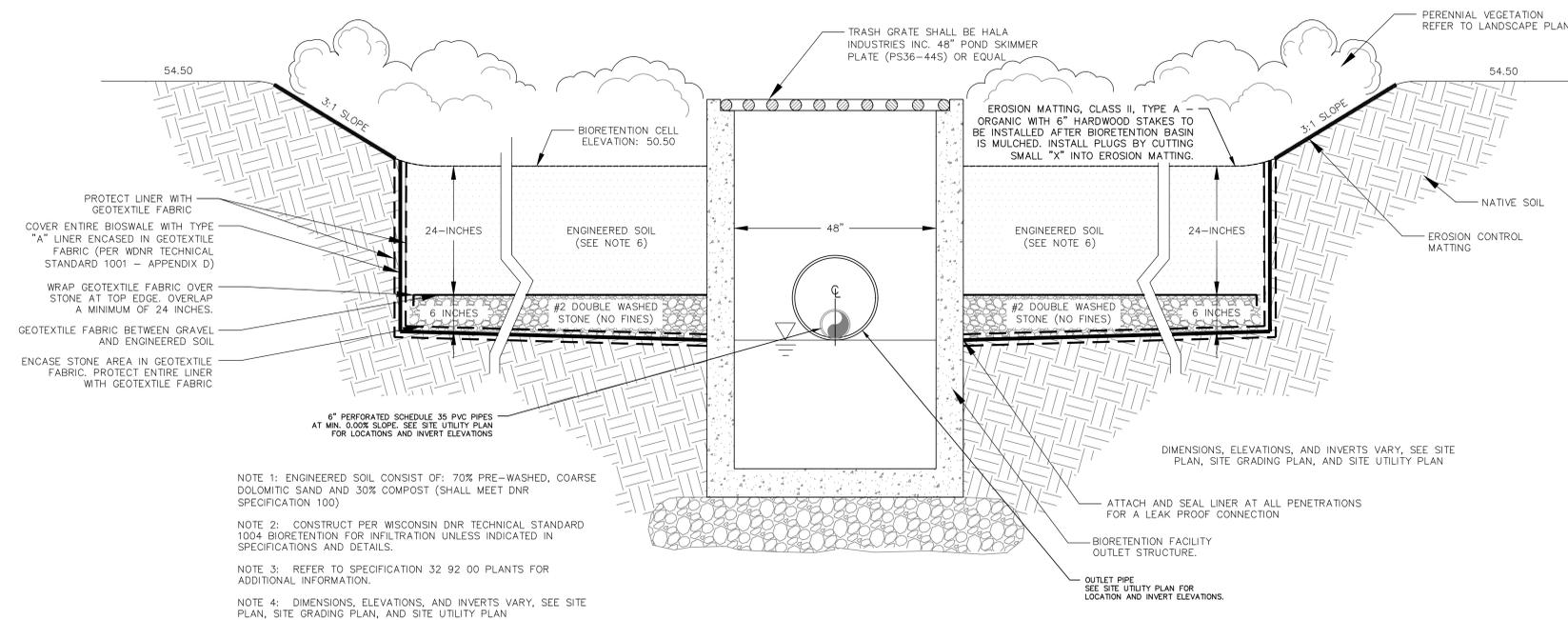
Issued for:
CITY OF
SHEBOYGAN
PLAN REVIEW

Project Number:
3415

Sheet Title:
SITE UTILITY
DETAILS

Sheet Number:

C2.21

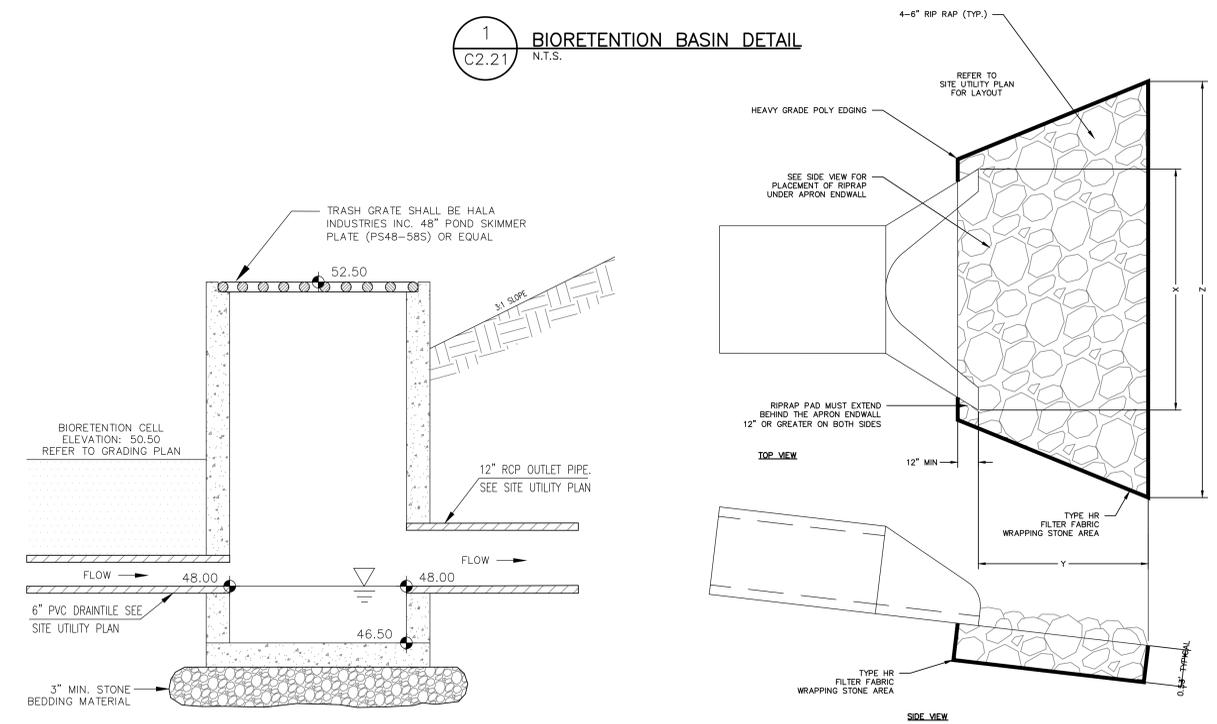


CARE SHALL BE TAKEN TO AVOID COMPACTION OF THE ENGINEERED SOIL WITHIN THE LIMITS OF THE BIORETENTION FACILITY DURING AND AFTER CONSTRUCTION.

- NOTE 1: THE BIO-RETENTION BASIN WILL FUNCTION AS A TEMPORARY SEDIMENT BASIN DURING LAND DISTURBING CONSTRUCTION ACTIVITIES. THE SEDIMENT BASIN SHALL BE CONSTRUCTED WITHIN THE FOOTPRINT OF FUTURE BIO-RETENTION BASIN AND EXCAVATED TO THE APPROXIMATE DIMENSIONS OF THE FUTURE BIO-RETENTION BASIN. SEDIMENT BASINS SHALL BE CONSTRUCTED IN ACCORDANCE TO WISCONSIN DNR TECHNICAL STANDARD 1064 UNLESS SHOWN OTHERWISE IN PLANS OR SPECIFICATIONS. IF SEDIMENT BASIN NEEDS TO BE DEWATERED IT SHALL BE DONE IN ACCORDANCE TO WISCONSIN DNR TECHNICAL STANDARD 1061.
- NOTE 2: FOLLOWING SITE STABILIZATION, SEDIMENT BASIN SHALL BE DEWATERED AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED. FOLLOWING SEDIMENT REMOVAL, THE BASIN WILL NO LONGER ACT AS A TEMPORARY SEDIMENT BASIN AND THEREFORE NO SEDIMENT LADEN WATER FROM CONSTRUCTION ACTIVITIES SHALL BE ALLOWED TO DISCHARGE INTO THE BASIN.
- NOTE 3: CONSTRUCTION OF THE BIO-RETENTION BASIN SHALL BEGIN ONLY AFTER THE SITE HAS BEEN FULLY DEVELOPED AND STABILIZED FROM EROSION AND ANY ACCUMULATED SEDIMENT WITHIN THE BASIN HAS BEEN DISPOSED.
- NOTE 4: ONCE CONSTRUCTION OF THE BIO-RETENTION BASIN BEGINS, ALL HEAVY EQUIPMENT AND CONSTRUCTION TRAFFIC IS PROHIBITED WITHIN THE FOOTPRINT OF THE BIO-RETENTION BASIN, INSTALL CONSTRUCTION FENCING TO PREVENT TRAFFIC AS NEEDED. PLACEMENT OF THE STONE AND ENGINEERED SOIL LAYERS SHALL BE COMPLETED WITH A BACKHOE FROM THE SIDE SLOPES OF THE BASIN. EVERY EFFORT SHALL BE MADE TO AVOID THE COMPACTION OF THE ENGINEERED SOIL WITHIN THE BASIN DURING AND AFTER CONSTRUCTION. IF COMPACTION OCCURS, REFER TO DNR TECHNICAL STANDARD 1004 FOR COMPACTION REMEDIATION.
- NOTE 5: BASIN CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING, OR OTHER FORMS OF COMPACTION.
- NOTE 6: ENGINEERED SOIL CONSIST OF: 70% PRE-WASHED, COARSE DOLOMITIC SAND AND 30% COMPOST (SHALL MEET DNR SPECIFICATION 100)
- NOTE 7: CONSTRUCT PER WISCONSIN DNR TECHNICAL STANDARD 1004 BIORETENTION FOR INFILTRATION UNLESS INDICATED IN SPECIFICATIONS AND DETAILS.
- NOTE 8: REFER TO SPECIFICATION 32 92 00 PLANTS FOR ADDITIONAL INFORMATION.
- NOTE 9: DIMENSIONS, ELEVATIONS, AND INVERTS VARY. SEE SITE PLAN, SITE GRADING PLAN, AND SITE UTILITY PLAN

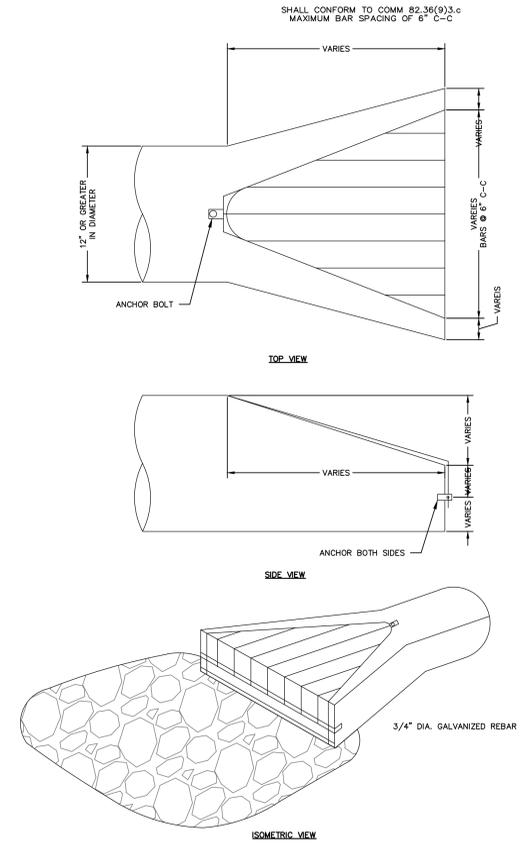
1
C2.21
N.T.S.

BIORETENTION BASIN DETAIL



DIA (INCH)	X (INCH)	Y (INCH)	Z (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:
- STANDARD SPECIFICATION SHALL APPLY TO ALL INSTALLATIONS.
 - PIPES 36" AND GREATER SHALL HAVE JOINT TIES.
 - PIPES 36" OR GREATER SHALL HAVE 50% OF THE RIPRAP PAD PLACED WITH A SLURRY GROUT MIX ON AN UNEVEN RIPRAP SURFACE.
 - TWIN APRON INSTALLATIONS SHALL BE GOVERNED BY THE OUTSIDE DIMENSIONS OF A SINGLE PIPE.



- OUTLET STRUCTURE NOTES:**
- 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.
 - CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
 - JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
 - 3" MIN. BEDDING MATERIAL REQUIRED UNDER MANHOLE BASE. BACKFILL STRUCTURE WITH GRANULAR BACKFILL MATERIAL.

3
C2.21
N.T.S.

48-INCH STORM OUTFALL STRUCTURE FOR BIO-RETENTION BASIN-1

4
C2.21
N.T.S.

TYPICAL PLACEMENT OF RIPRAP AT APRON ENDWALLS

5
C2.21
N.T.S.

TRASH GUARD AT RCP APRON ENDWALLS

UNDERDRAIN DETAIL

NTS

SC-800 TECHNICAL SPECIFICATION

NTS

OVERLAP NEXT CHAMBER HERE (COVER SMALL CORRUGATION)

BUILD ROW IN THIS DIRECTION

85.4" (2169 mm) INSTALLED LENGTH

90.0" (2301 mm) ACTUAL LENGTH

51.0" (1295 mm)

33.0" (838 mm)

12.2" (310 mm)

46.5" (1181 mm) X 33.0" X 85.4"

1295 mm X 838 mm X 2169 mm

NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.6 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	46.5" X 32.0" X 10.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.3 CUBIC FEET	(0.42 m³)
WEIGHT	15.7 lbs.	(7.1 kg)

* ASSUMES 6" (150 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS, 3" (75 mm) BETWEEN CHAMBERS
 ** ASSUMES 6" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
 PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EP06TPC	6" (150 mm)	21.4" (544 mm)	---
SC800EP06BPC	---	---	0.0" (23 mm)
SC800EP08TPC	8" (200 mm)	19.2" (488 mm)	1.0" (25 mm)
SC800EP08BPC	---	---	---
SC800EP10TPC	10" (250 mm)	17.0" (432 mm)	1.2" (30 mm)
SC800EP10BPC	---	---	---
SC800EP12TPC	12" (300 mm)	14.4" (366 mm)	---
SC800EP12BPC	---	---	1.0" (41 mm)
SC800EP13TPC	---	11.3" (287 mm)	---
SC800EP15BPC	15" (375 mm)	---	1.7" (43 mm)
SC800EP18TPC	18" (450 mm)	8.0" (203 mm)	---
SC800EP18BPC	---	---	2.0" (51 mm)
SC800EP24BPC	24" (600 mm)	---	2.3" (58 mm)
SC800EPE	NONE	---	SOLID END CAP

NOTE: ALL DIMENSIONS ARE NOMINAL

URBAN MIDDLE SCHOOL - UGS-1
 SHEBOYGAN, WI, USA
 DATE: 01/19/2020
 PROJECT #:
 CHECKED: N/A

StormTech® Chamber System
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SHEET 5 OF 6

1 UNDERGROUND STORAGE
 C2.23 DETAIL 5 OF 6

NYLOPLAST DRAIN BASIN

NTS

INTEGRATED DUCTILE IRON FRAME & GRATE/SOLID TO MATCH BASIN O.D.

12" (300 mm) MIN FOR AASHTO H-20

18" (457 mm) MIN WIDTH

AASHTO H-20 CONCRETE SLAB 8" (203 mm) MIN THICKNESS

TRAFFIC LOADS, CONCRETE DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED GIVING CONSIDERATION FOR LOCAL SOIL CONDITIONS, TRAFFIC LOADING & OTHER APPLICABLE DESIGN FACTORS

VARIABLE SLUMP DEPTH ACCORDING TO PLANS

ADAPTER ANGLES VARIABLE 0°-360° ACCORDING TO PLANS

VARIOUS TYPES OF INLET AND OUTLET ADAPTERS AVAILABLE: 4" (102 mm) MIN ON 30" (750 mm) FOR CORRUGATED HDPE

BACKFILL MATERIAL BELOW AND TO SIDES OF STRUCTURE SHALL BE ASTM D2521 CLASS 1 OR II CRUSHED STONE OR GRAVEL AND BE PLACED UNIFORMLY IN 12" (305 mm) LIFTS AND COMPACTED TO MIN OF 90%

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

INVERT ACCORDING TO PLAN/TAKE OFF

4" (102 mm) MIN ON 8.24" (200-600 mm) 6" (152 mm) MIN ON 30" (750 mm)

NOTES

- 8.30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- 12.30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE ADS & HANCON DUAL WALL & SDR 35 PVC
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
- TO ORDER CALL: 800-821-6710

A	PART #	GRATE/SOLID COVER OPTIONS
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20 STANDARD AASHTO H-20 SOLID AASHTO H-20

URBAN MIDDLE SCHOOL - UGS-1
 SHEBOYGAN, WI, USA
 DATE: 01/19/2020
 PROJECT #:
 CHECKED: N/A

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SHEET 6 OF 6

2 UNDERGROUND STORAGE
 C2.23 DETAIL 6 OF 6

Plant Schedule															
Code	Scientific Name	Common Name	Quantity	Spacing	Install Size / Root Type	Mature Size (Height/Spread)	Landscape points each	Building Foundations landscape points for proposed building addition	Building Foundations landscape points for existing building	Street Frontages landscape points N. 13th St.	Street Frontages landscape points North Avenue	Street Frontages landscape points S. 12th Street	Paved Areas landscape points - West Parking Lot	Paved Areas landscape points - Northeast Parking Lot	Developed Lots landscape points
Shade and Tall Trees: (Install in accordance with detail 1/L2.11)															
ACSA	Acer saccharum	Sugar Maple	2	Per Plan	2" caliper / B&B	50'-75'/50'	75 points					75			75
ACFRS	Acer x freemanii 'Sienna'	Sienna Green Maple	1	Per Plan	2" caliper / B&B	60'140"	30 points								
GIBAG	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginkgo (male)	6	Per Plan	2" caliper / B&B	50'30'	75 points			150	150	75	30	75	300
GIBPS	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo (male)	4	Per Plan	2" caliper / B&B	40'15'	75 points								
GLTDR	Gleditsia triacanthos 'Draves'	Street Keeper Honeylocust	1	Per Plan	2" caliper / B&B	45'20'	30 points						30		
GYDIE	Gymnocladus dioicus 'Espresso'	Espresso Kentucky Coffee Tree	3	Per Plan	2" caliper / B&B	50'35'	30 points						60	30	
TADSB	Taxodium distichum 'Mickelson'	Shawnee Brave Bald Cypress	6	Per Plan	2" caliper / B&B	60'20'	30 points								180
TIAMS	Tilia americana 'Sentry'	Sentry American Linden	2	Per Plan	2" caliper / B&B	50'-60'/25'-35'	30 points						60		
ULAMP	Ulmus americana 'Princeton'	Princeton Elm	4	Per Plan	2" caliper / B&B	60'-80'/40'-60'	30 points							60	60
ULFR	Ulmus 'Frontier'	Frontier Elm	4	Per Plan	2" caliper / B&B	40'-50'/25'-35'	30 points				30				90
Medium and Low Trees: (Install in accordance with detail 1/L2.11)															
BENI	Betula nigra	River Birch	1	Per Plan	8' multi-stem / B&B	40'-70'/35'-50'	15 points								15
CACFK	Carpinus caroliniana 'J.N. Select A' PPAF	Fire King Muscledwood	2	Per Plan	2" caliper / B&B	20'-25'/20'-25'	10 points								20
CACJU	Carpinus caroliniana 'J.N. Upright'	Firespire Muscledwood	3	Per Plan	2" caliper / B&B	20'8'-10'	10 points								
OSVI	Ostrya virginiana	Ironwood, Hophornbeam	5	Per Plan	2" caliper / B&B	25'-40'/15'-30'	10 points			10	40	30			
SYRIS	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	12	Per Plan	2" caliper / B&B	25'15'	10 points			30	40	50			
Evergreen Trees: (Install in accordance with detail 2/L2.11)															
JUCT	Juniperus chinensis 'Trautman'	Trautman Chinese Juniper	6	Per Plan	4' tall / B&B	10'-12'/3'-4'	12 points	72							
Deciduous Shrubs: (Install in accordance with detail 3/L2.11)															
CONB	Cornus alba 'ByBoughen' PP27,956	Neon Burst Dogwood	6	Per Plan	36" tall / pot	4'-6'/4'-6'	5 points								30
DIKOB	Diervilla x 'G2X88544' PP27,548	Kodiak Orange Bush Honeysuckle	58	Per Plan	24" tall / pot	3'-4'/3'-4'	3 points	72	30				36	18	18
DILO	Diervilla lonicera	Dwarf Bush Honeysuckle	56	Per Plan	24" tall / pot	2'-3'/4'-5'	3 points	57					51	60	
PHOPD	Physocarpus opulifolius 'Donna May' PP22,634	Little Devil Ninebark	24	Per Plan	24" tall / pot	3'-4'/3'-4'	3 points	72							
PHOPJ	Physocarpus opulifolius 'Jefan' PPAF	Amber Jubilee Ninebark	18	Per Plan	36" tall / pot	5'-6'/4'	5 points	70	20						
PHOPS	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	6	Per Plan	36" tall / pot	5'-6'/4'-5'	5 points		30						
RHARG	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	51	Per Plan	18" spread / pot	2'-3'/8'-8'	1 point	13					19	13	6
RIALG	Ribes alpinum 'Green Mound'	Green Mound Alpine Currant	18	Per Plan	18" tall / pot	3'-5'/3'-5'	1 point	18							
SPBUG	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	16	Per Plan	18" tall / pot	2'-3'/3'-4'	1 point	5	11						
SPFRA	Spiraea x fritschiana 'J.N. Select A'	Pink-a-licious Fritsch Spirea	104	Per Plan	18" tall / pot	2'-3'/2'-3'	1 point	3	23				16	11	51
SYMEP	Syringa meyeri 'Palibin'	Meyer Lilac (Dwarf Korean Lilac)	24	Per Plan	36" tall / pot	4'-5'/5'-7'	5 points	25	95						
SYXBK	Syringa x 'SMNSDTP'	Baby Kim Lilac	12	Per Plan	18" tall / pot	2'-3'/2'-5'-3'	1 point	6	6						
Evergreen Shrubs: (Install in accordance with detail 3/L2.11)															
PIMUS	Pinus mugo 'Slowmound'	Slowmound Mugo Pine	20	Per Plan	18" spread / pot	3'/3'	5 points	100							
Perennials: (Install in accordance with detail 7/L2.11)															
CAAC	Calamagrostis x acutiflora Karl Foerster	Karl Foerster Reed Grass	65	Per Plan	#1 cont.	4'-5'/18"-24"	0 points								
HEHR	Hemerocallis 'Happy Returns'	Happy Returns Daylily	17	Per Plan	#1 cont.	12"-18'/16"-24"	0 points								
NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity.															
Total Landscape Points Provided							513	215	190	230	260	302	267	845	
Total Existing Landscape Points								81							
Grand Total Landscape Points							513	296	190	230	260	302	267	845	
Total Landscape Points Required							512	296	187	223	250	296	248	840	

1 LANDSCAPE SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

- ALL PLANT MATERIAL SHALL BE OBTAINED FROM A NURSERY LOCATED IN ZONE 5, CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND BOTANICAL NAMES SHALL BE ACCORDING TO THE CURRENT EDITION OF "STANDARDIZED PLANT NAMES" PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE.
- CONTRACTOR TO PROVIDE TO THE LANDSCAPE ARCHITECT SAMPLES OF ALL BARK AND MINERAL/STONE MULCHES, DECORATIVE GRAVELS, MAINTENANCE STRIP STONE, OR OTHER GROUND COVER MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.
- HARDWOOD MULCH TO BE FRESHLY ACQUIRED SHREDDED HARDWOOD BARK MULCH. DOUBLE MILLED, EXCESSIVE DIRT AND DUST LIKE MATERIAL OR OLD MATERIAL IS NOT ACCEPTABLE.
- LANDSCAPE EDGING TO BE ALUMINUM EDGING. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- SHRUB PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH WITH EDGING. EDGING TO BE INSTALLED BETWEEN DIFFERENT TYPES OF MULCHES, BETWEEN MULCHES AND TURF, AND/OR WHERE SPECIFICALLY NOTED ON THE PLAN. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- INSTALL SHOVEL CUT EDGE AROUND ALL INDIVIDUAL TREES AND SHRUBS IN LAWN AREAS AND ALONG PAVEMENT WHERE PLANTING AREAS ABUT TO PREVENT HARDWOOD SHREDDED BARK MULCH FROM SPILLING OUT OF PLANTING AREA.
- CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIAL FOR 90 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SEEDED AREAS FOR 60 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR TO PROVIDE AND REVIEW MAINTENANCE INSTRUCTIONS WITH THE OWNER PRIOR TO THE COMPLETION OF THESE MAINTENANCE PERIODS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS UNLESS A MULTI-STEM TREE IS SPECIFIED.
- REMOVE BURLAP, WIRE BASKET, ROPE, TWINE, AND ALL SYNTHETIC MATERIAL FROM THE ROOTS, TRUNK, OR CROWN OF PLANT.
- REMOVE EXCESS SOIL ABOVE ROOT COLLAR.
- PLANT TREES AND SHRUBS SO THAT THE ROOT COLLAR IS 2" ABOVE FINISHED GRADE OR SEVERAL INCHES ABOVE GRADE IF PLANT IS INSTALLED IN POOR SOILS.
- PLANT TREES AND SHRUBS WITH SAME ORIENTATION AS WHEN HARVESTED FROM THE NURSERY OR TO SHOWCASE THE MOST AESTHETIC VIEW.
- PLANT ALL TREES WITH THREE SLOW RELEASE FERTILIZER PACKETS, SPACED EQUIDISTANT AROUND THE EDGE OF THE ROOT BALL.
- PLANT ALL SHRUBS WITH ONE SLOW RELEASE FERTILIZER PACKET, PLACED BELOW THE ROOTING SYSTEM.
- WATER AND TAMP BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SO THE SOIL AND ROOTS ARE THOROUGHLY SOAKED AND AIR POCKETS ARE REMOVED.
- FOR INDIVIDUAL TREES & SHRUBS PLANTED IN TURF AREAS, PROVIDE CONTINUOUS 3" SOIL SAUCER TO CONTAIN WATER & MULCH (TREES ON SLOPES SHALL BE SAUCERED ON THE DOWNHILL SIDE)
- INSTALL 3" THICK SHREDDED HARDWOOD BARK MULCH RING 3'-0" DIA. FOR DECIDUOUS TREES AND ALL INDIVIDUAL SHRUBS IN LAWN AREAS, 5'-0" DIA. FOR EVERGREEN TREES. KEEP MULCH 2" AWAY FROM TRUNKS.
- STAKING - ONLY STAKE EVERGREEN TREES 5'-0" OR GREATER IN HEIGHT OR TREES THAT ARE UNABLE TO REMAIN UPRIGHT AFTER PLANTING. TREES WILL BECOME STRONGER FASTER WHEN THE TOP 2/3 OF THE TREE IS FREE TO SWAY. DO NOT ATTACH WIRE DIRECTLY TO TREES OR THROUGH HOSES - UTILIZE GROMMETED, SYNTHETIC STRAPS AT LEAST 2" WIDE AROUND THE TREE. ATTACH STRAPPING TO STAKE WITH WIRE. STAKE ONLY WHEN NECESSARY. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLODGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.
- NO MOW TO BE NO MOW FESCUE SEED MIX WITH ANNUAL RYE NURSE CROP FROM PRAIRIE NURSERY, INC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PRAIRIE NURSERY ADDRESS: PO BOX 306 WESTFIELD, WI 53984. TELEPHONE: 1-800-476-9453 FAX: 608-296-2741. INSTALL 4" TALL TEMPORARY WOOD STAKES 6" ON CENTER WITH SIGNAGE READING "NO MOW SEEDING - PLEASE DO NOT ENTER OR MOW" AROUND THE PERIMETER OF THE NO MOW FESCUE SEEDING AREA ALONG WITH PLASTIC YELLOW TAPE BETWEEN THE TOP OF THE STAKES TO DELINEATE IT FROM THE LAWN AREA SO THAT IT IS NOT ACCIDENTALLY MOWED ALONG WITH THE LAWN DURING THE ESTABLISHMENT PERIOD
- REFER TO SPECIFICATIONS 32 93 00 PLANTS AND 32 92 00 TURF AND GRASSES FOR ADDITIONAL INFORMATION.

2 LANDSCAPE NOTES
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

LANDSCAPE CALCULATIONS		
City of Sheboygan Landscaping Requirements		
Site Zoning = SR-5 (Suburban Residential-5)		
Properties across the street to the north, south, and west of the project site are zoned = SR-5 (Suburban Residential-5)		
Properties across the street to the east of the project site are zoned = SR-5 (Suburban Residential-5) and UR-12 (Urban Residential-12)		
Building Foundation Landscaping		
Proposed Building Foundation length = 1,278 linear feet		
Existing Building Foundation length = 740 linear feet		
	Required	Provided
Placement of Landscaping	Landscaping shall be placed so that at maturity, the plant's drip line is located within ten (10) feet of the building foundation. Such landscaping shall not be located in those areas required for landscaping as street frontages, paved areas, protected green space areas, reforestation areas, or bufferyards.	The landscaping for building foundations is located within ten (10) feet of the building foundation. This landscaping is not located in the areas designated as street frontages, paved areas, protected green space areas, reforestation areas, or bufferyards.
Calculation of Landscaping Points for proposed building foundation 40 landscaping points per 100 feet of building foundation required	40 landscaping points per 100 feet of building foundation required	More than or equal to 40 landscaping points per 100 ft of building foundation is provided
(1,278 ft of proposed building foundation/100 ft) x (40 points) = 511.2 landscaping points required	512 landscape points required	513 landscape points provided
Calculation of Landscaping Points for existing building foundation 40 landscaping points per 100 feet of building foundation required.	40 landscaping points per 100 feet of building foundation required	More than or equal to 40 landscaping points per 100 ft of building foundation is provided
(740 ft of existing building foundation/100 ft) x (40 points) = 296 landscaping points required	296 landscape points required	81 existing landscape points + 215 proposed landscape points = 296 total landscape points provided

Street Frontage Landscaping		
Length of street yard along N. 13th Street up to the north driveway = 467.2 linear feet		
Length of street yard along North Avenue = 556.4 linear feet		
Length of street yard along S. 12th Street = 623.4 linear feet		
	Required	Provided
Placement of Landscaping	All landscaping used to meet this requirement shall be located within 10 feet of the public right-of-way.	All landscaping used to meet this requirement is located within 10 feet of the public right-of-way.
	Landscaping shall not impede vehicle or pedestrian visibility.	Landscaping does not impede vehicle or pedestrian visibility.
Selection of Landscaping	Shrubs shall not be used to meet this requirement. A minimum of 50% of all points shall be devoted to climax and/or tall trees and a minimum of 30% of all points shall be devoted to small trees.	A minimum of 50% of all points is devoted to climax and/or tall trees and a minimum of 30% of all points is devoted to small trees.
A minimum of 50% of points devoted to climax and/or tall trees	A minimum of 50% of all points shall be devoted to climax and/or tall trees	(450 climax and tall tree points)/(660 total landscape points required) = 68.2% climax and tall trees
A minimum of 30% of points devoted to small trees	A minimum of 30% of all points shall be devoted to small trees.	(30 existing small tree points = 170 proposed small tree points)/(660 total landscape points required) = 30.3% small trees
Shrubs shall not be used to meet this requirement.	Shrubs shall not be used to meet this requirement.	Shrubs are not be used to meet this requirement.
Calculation of Landscaping Points 40 landscaping points per 100 feet of street frontage required	40 landscaping points per 100 feet of street frontage required	Equal to or greater than 40 landscaping points per 100 ft of street frontage is provided
North 13th Street (467.2 total feet of street frontage / 100 feet) x 40 points = 186.9 landscaping points required	187 Landscaping Points required	190 Landscaping Points provided
North Avenue (556.4 total feet of street frontage / 100 feet) x 40 points = 222.6 landscaping points required	223 Landscaping Points required	230 Landscaping Points provided
S. 12th Street (623.4 total feet of street frontage / 100 feet) x 40 points = 249.4 landscaping points required	250 Landscaping Points required	260 Landscaping Points provided

Paved Areas - West Parking Lot		
Parking Lot paving area = 33,599 square feet		
Parking Stalls = 74 stalls		
	Required	Provided
A minimum of 30% of points devoted to climax and/or tall trees	A minimum of 30% of points devoted to climax and/or tall trees	(180 climax and/or tall tree points)/(296 total landscape points required) = 60.8% climax and/or tall trees
A minimum of 40% of points devoted to shrubs	A minimum of 40% of points devoted to shrubs	(122 shrub points)/(296 total landscape points) = 41.2% shrubs
Calculation of Landscaping Points 80 landscaping points per 20 parking stalls -or- per 10,000 sf of pavement area (Whichever yields the greater landscaping requirement.)	296 total landscaping points required in the stall calculation method	302 landscaping points provided
(74 total parking stalls provided / 20) x 80 landscaping points = 296 landscaping points required	296 total landscaping points required in the stall calculation method	
(33,599 sf total parking area/10,000 sf) x 80 landscaping points = 268.7 landscaping points	269 total landscaping points required in the paved area calculation method	N/A - more points required with parking stall method (see above cell)

Paved Areas - Northeast Parking Lot		
Parking Lot paving area = 26,171 square feet		
Parking Stalls = 62 stalls		
	Required	Provided
A minimum of 30% of points devoted to climax and/or tall trees	A minimum of 30% of points devoted to climax and/or tall trees	(165 climax and/or tall tree points)/(248 total landscape points required) = 66.5% climax and/or tall trees
A minimum of 40% of points devoted to shrubs	A minimum of 40% of points devoted to shrubs	(102 shrub points)/(248 total landscape points) = 41.1% shrubs
Calculation of Landscaping Points 80 landscaping points per 20 parking stalls -or- per 10,000 sf of pavement area (Whichever yields the greater landscaping requirement.)	248 total landscaping points required in the stall calculation method	267 landscaping points provided
(62 total parking stalls provided / 20) x 80 landscaping points = 248 landscaping points required	248 total landscaping points required in the stall calculation method	
(26,171 sf total parking area/10,000 sf) x 80 landscaping points = 209.4 landscaping points	210 total landscaping points required in the paved area calculation method	N/A - more points required with paved area method (see above cell)

Developed Areas		
Undesignated area = 41,972 square feet		
	Required	Provided
Landscaping points (as described in Section 15.603) shall be provided on a prorated basis for every 1,000 square feet of gross floor area		
Calculation of Landscaping Points 20 landscaping points shall be provided per every 1,000 sf of gross floor area	840 total landscaping points required in the paved area calculation method	845 landscaping points provided
(41,972 sf total parking area/1,000 sf) x 20 landscaping points = 839.4 landscaping points		

3 LANDSCAPE CALCULATIONS
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan + Davenport
Saint Paul
www.brayarch.com



Project Title:
Addition & Renovation to:
URBAN MIDDLE SCHOOL
SHEBOYGAN SCHOOL DISTRICT
1226 NORTH AVE.
SHEBOYGAN, WI 53083

REVISIONS:

DATE	DESCRIPTION

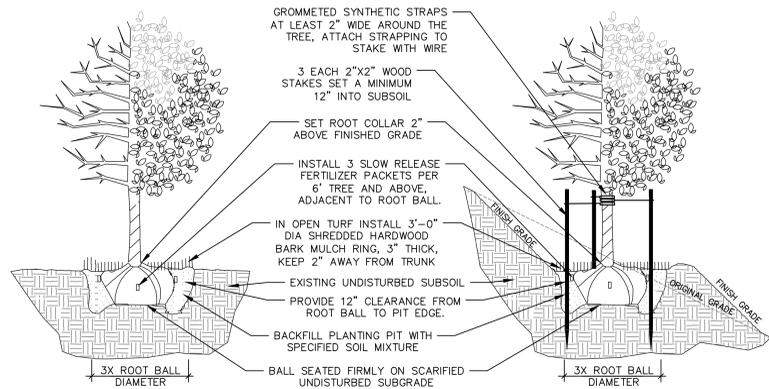
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Issued for:
CITY OF SHEBOYGAN
PLAN REVIEW
2/10/2026
Project Number:
3415
Sheet Title:

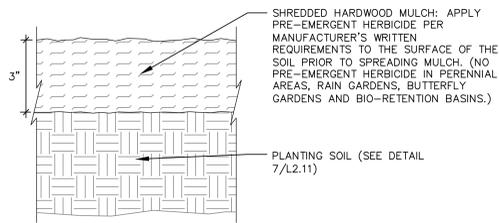
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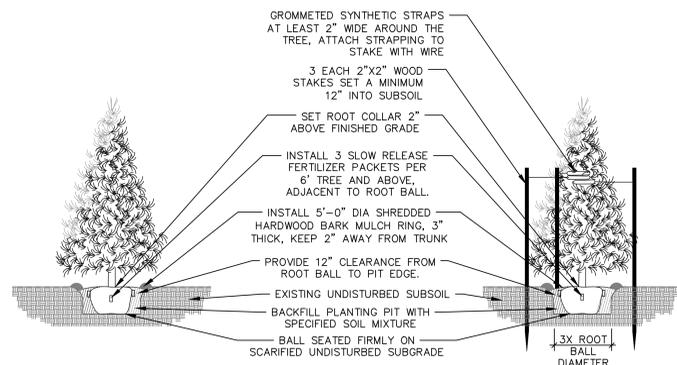
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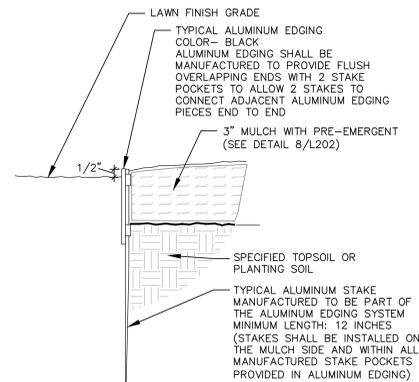
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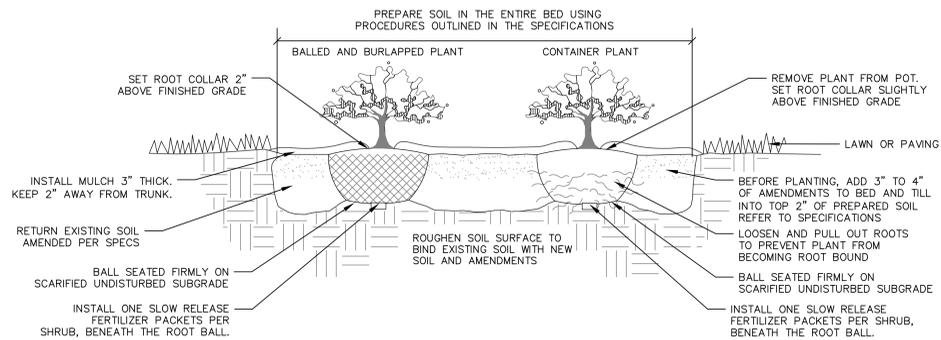
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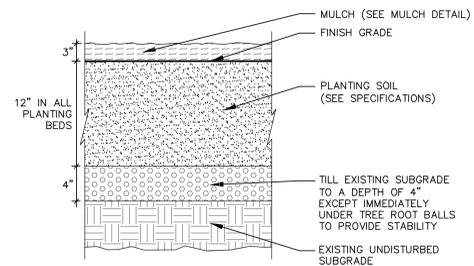
2 EVERGREEN TREE PLANTING & STAKING
L2.11 N.T.S.



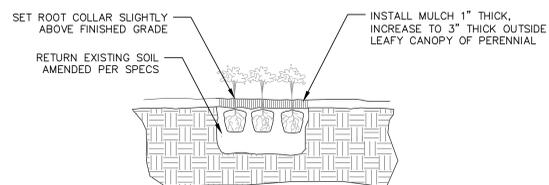
6 ALUMINUM EDGING AT PLANTING BED SECTION
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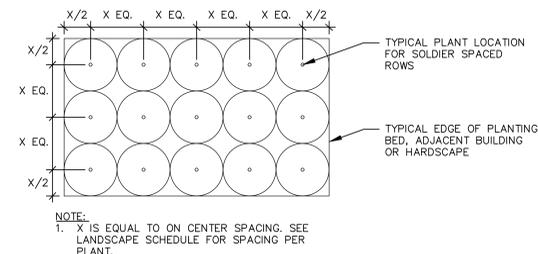
3 DECIDUOUS & EVERGREEN SHRUB PLANTING
L2.11 N.T.S.



7 SOIL FOR PLANTING BED AREAS SECTION
L2.11 N.T.S.



4 PERENNIAL PLANTING
L2.11 N.T.S.



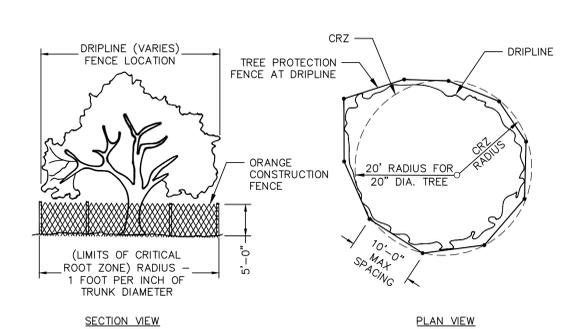
8 PERENNIALS AND GROUNDCOVERS SPACING: SOLDIER
L2.11 N.T.S.

Bio-Retention Basin Plant Plug Schedule

Code	Scientific Name	Common Name	Bio #1	Soldier	Spacing	Install Size	Mature Size (Height/Spread)
Bio-mix: (Space according to detail 8/L2.11)							
BIOMIX 1	Aster ercoides	Heath Aster	140	12" o.c.	3" plug	18"-24"/12"-18"	
BIOMIX 1	Aster novae-angliae	New England Aster	140	12" o.c.	3" plug	48"-60"/18"-24"	
BIOMIX 1	Physostegia virginiana	Obedient Plant	140	12" o.c.	3" plug	24"-48"/18"-24"	
BIOMIX 1	Verbena hastata	Blue Vervain	140	12" o.c.	3" plug	36"-48"/18"-24"	
BIOMIX 1	Liatris spicata	Marsh Blazing Star	140	12" o.c.	3" plug	36"-48"/12"-24"	
BIOMIX 1	Monarda fistulosa	Wild Bergamot	140	12" o.c.	3" plug	36"-48"/24"-36"	
BIOMIX 1	Rudbeckia hirta	Black-eyed Susan	140	12" o.c.	3" plug	36"-48"/12"-18"	
BIOMIX 1	Solidago rugosa 'Fireworks'	Fireworks Goldenrod	140	12" o.c.	3" plug	42"-48"/18"-24"	
BIOMIX 1	Tradescantia chiensis	Spiderwort	140	12" o.c.	3" plug	24"-36"/12"-18"	
BIOMIX 1	Ratibida pinnata	Yellow Coneflower	140	12" o.c.	3" plug	36"-48"/12"-18"	
BIOMIX 1	Carex bebbii	Bebb's Sedge	206	12" o.c.	3" plug	12"-24"/8"-12"	
BIOMIX 1	Bromus ciliatus	Fringed Brome Grass	140	12" o.c.	3" plug	20"-40"/12"-18"	
BIOMIX 1	Panicum virgatum	Switch Grass	140	12" o.c.	3" plug	60"-108"/24"-36"	
BIOMIX 1	Elymus canadensis	Canada Wild Rye	140	12" o.c.	3" plug	24"-48"/10"-12"	
BIOMIX 1	Elymus virginicus	Virginia Wild Rye	140	12" o.c.	3" plug	24"-48"/18"-24"	
BIOMIX 1	Carex vulpinoidea	Fox Sedge	206	12" o.c.	3" plug	12"-36"/12"-36"	

NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity. Native plugs of same species shall be planted in groupings of a minimum 20 plugs.

9 BIO-RETENTION BASIN PLANT SCHEDULE
L2.11 REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



- NOTES:
- ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING AS SHOWN.
 - TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
 - EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIPLINES.
 - FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER.
 - ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
 - PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
 - NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.
 - PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).
 - CONTRACTOR SHALL REMOVE TREE PROTECTION FENCING AND REPAIR LANDSCAPE DAMAGED BY REMOVAL ACTIVITIES WHEN ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.

10 TREE PROTECTION FENCE PLAN AND SECTION
L2.11 N.T.S.