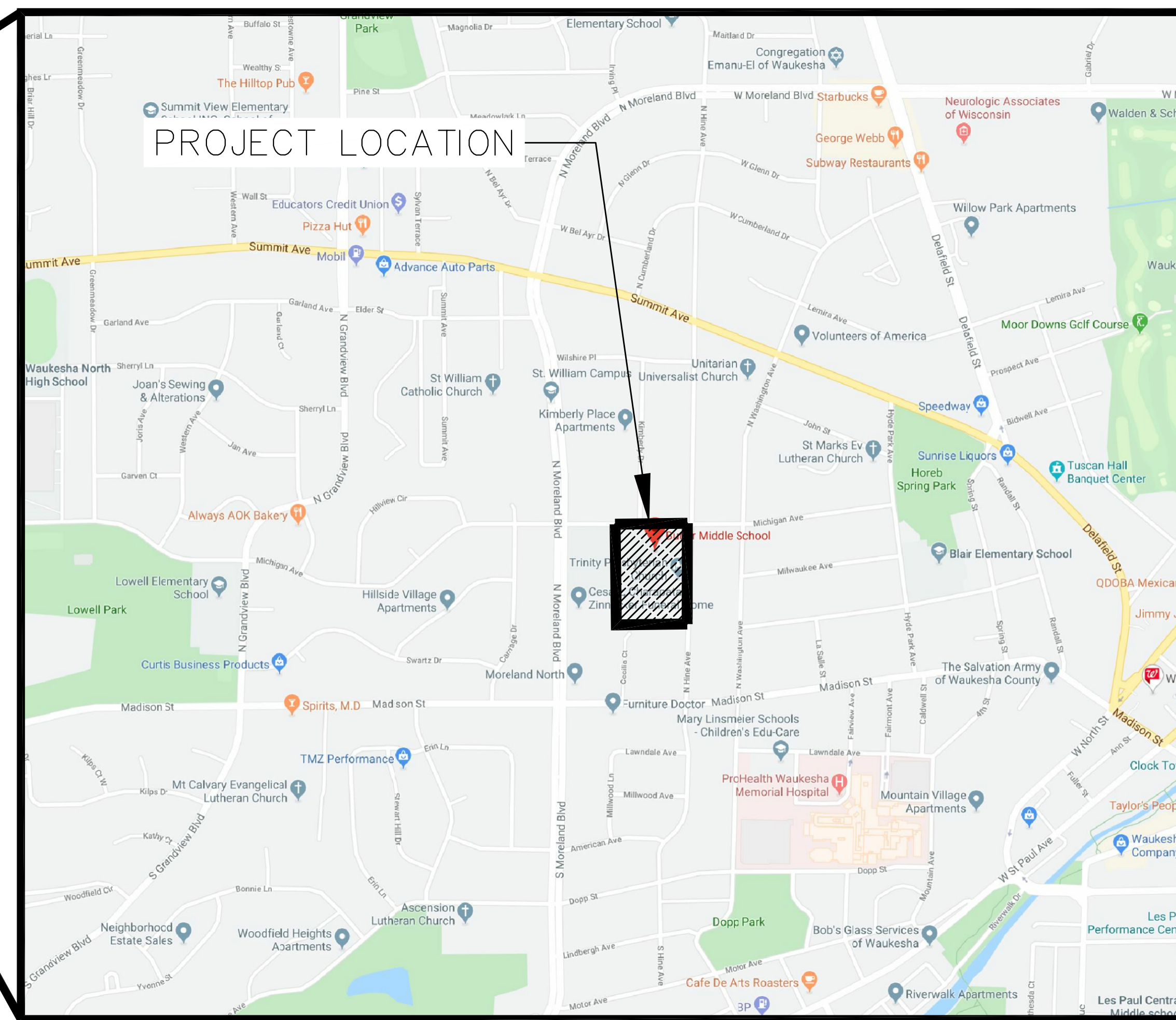


BUTLER MIDDLE SCHOOL SCHOOL DISTRICT OF WAUKESHA

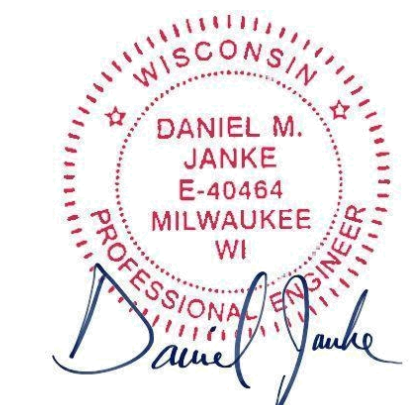


INDEX TO DRAWINGS

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C1.1	SITE DEMOLITION PLAN
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L1.1	SITE LANDSCAPE PLAN
L2.1	SITE LANDSCAPE DETAILS

SURVEY INFORMATION

- 1) BEARINGS ARE BASED ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD 27.
- 2) ELEVATIONS ARE BASED ON NGVD 29 DATUM.
- 3) EXISTING TOPOGRAPHY IS BASED ON FIELD SURVEY TAKEN ON 12/04/2018 BY KAPUR & ASSOCIATES, INC.
- 4) REFER TO SHEET C1.0 FOR ADDITIONAL INFORMATION.



*ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON THE PLANS SHALL CONFORM TO THE CITY OF WAUKESHA DEVELOPMENT HANDBOOK & INFRASTRUCTURE SPECIFICATIONS. WHERE THE PLANS DO NOT COMPLY, IT SHALL BE THE SOLE RESPONSIBILITY AND EXPENSE OF THE DEVELOPER TO MAKE REVISIONS TO THE PLANS AND/OR CONSTRUCTED INFRASTRUCTURE TO COMPLY.



Office Locations:

Davenport
220 Emerson Place, Suite 301
Davenport, Iowa 52801

Milwaukee
829 S. 1st Street
Milwaukee, Wisconsin 53204
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Sheboygan
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PO Box 955
Sheboygan, Wisconsin 53082
T: 920.459.4200

www.brayarch.com



7711 N. Port Washington Road
Milwaukee, WI 53217
www.kapurinc.com

Project Title:
**Addition and Remodeling to:
Butler Middle School
School District of Waukesha
310 N. Hine Ave., Waukesha, WI 53188**

REVISIONS:

DATE	DESCRIPTION

**NOT FOR
CONSTRUCTION**

Project Number:
3353

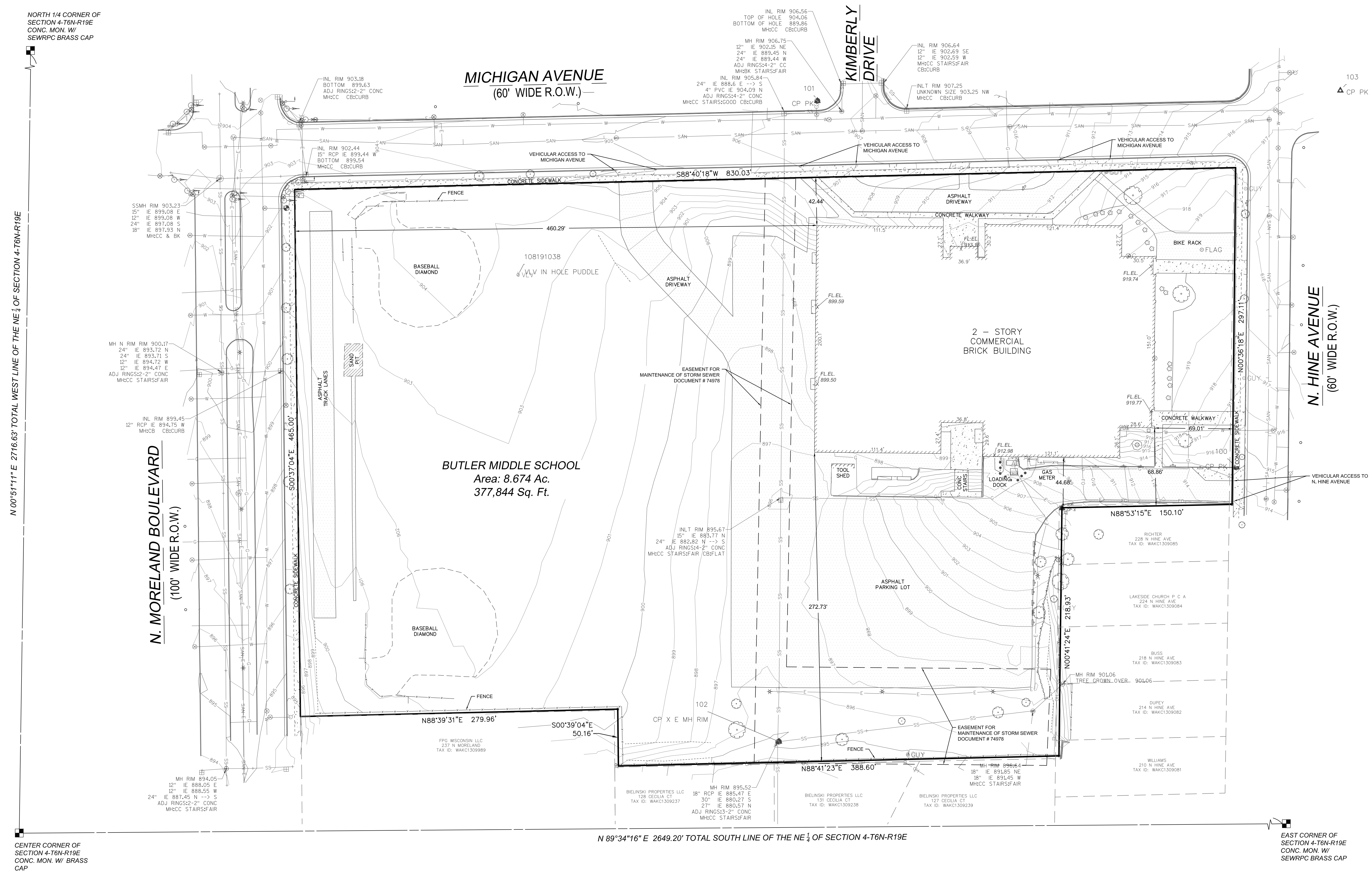
Issued For:
**PLAN
COMMISSION
REVIEW**
11/11/2019

Sheet Title:
**TITLE SHEET &
LOCATION MAP**

Sheet Number:
T1.1

PLAT OF SURVEY WITH TOPOGRAPHY

LOTS 18, 19, 20, 21, 22 IN BLOCK B, AND THE SOUTH 34 FEET OF LOT 23 IN BLOCK B, EUREKA HEIGHTS, A RECORDED SUBDIVISION IN THE CITY OF WAUKESHA, RECORDED IN VOLUME 3, PAGE 62, ON APRIL 22, 1842 IN THE REGISTER OF DEEDS OFFICE, BEING PART OF THE NORTHEAST 1/4, SECTION 4, TOWNSHIP 6 NORTH, RANGE 19 EAST, CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN.



- ### LEGEND
- ▲ = BENCH MARK
 - △ = CONTROL POINT
 - ⊠ = CHISELED MARK FOUND
 - ✱ = CUT CROSS SET
 - = FOUND REBAR OR MONUMENTATION AS NOTED
 - = 1-1/4" O.D.x24" LONG. IRON PIPE SET, WEIGHING 1.68 LBS./FT.
 - ⊞ = SECTION CORNER MON.
 - ▲ = FOUND MAG/PK
 - ▲ = SET MAG NAIL
 - (R.A.) = RECORDED AS
 - ⊙ = WATER VALVE
 - ⊙ = FIRE HYDRANT
 - ⊙ = SOIL BORING
 - 970.90m = SPOT ELEVATION
 - ⊙ = BUSH, SHRUB
 - ⊙ = POLE/POST/BOLLARD
 - ⊙ = BOULDER
 - ⊙ = WINDMILL
 - ⊙ = PULLBOX
 - ⊙ = MANHOLE TYPE NOTED
 - ⊙ = SANITARY SEWER MANHOLE
 - ⊙ = STORM SEWER MANHOLE
 - ⊙ = TELEPHONE MANHOLE
 - ⊙ = ELECTRIC MANHOLE
 - ⊙ = WATER MANHOLE
 - ⊙ = UTILITY METER
 - ⊙ = SPRINKLER
 - ⊙ = GUY WIRE POLE
 - ⊙ = LIGHT POLE
 - ⊙ = PEDESTAL
 - ⊙ = POWER POLE
 - ⊙ = POWER/LIGHT POLE
 - ⊙ = TRAFFIC SIGNAL
 - ⊙ = CURB STOP
 - ⊙ = INLET
 - ⊙ = CURB INLET
 - ⊙ = GAS VALVE
 - ⊙ = LIGHT POLE WITH MAST
 - ⊙ = TREE (CONIFEROUS) DRIP LINE SCALABLE
 - ⊙ = TREE (DECIDUOUS) DRIP LINE SCALABLE
 - ⊙ = TREE STUMP
 - ⊙ = CLEANOUT
 - ⊙ = FLAG POLE
 - ⊙ = WELL
 - ⊙ = MONITORING WELL
 - ⊙ = SIGN ON POST
 - ⊙ = PARKING METER
 - ⊙ = UTILITY CONTROL BOX
 - ⊙ = UNKNOWN UTILITY VALVE
 - FL. EL. = FIRST FLOOR ELEVATION
 - = BUILDING OUTLINE
 - = MINOR CONTOUR
 - = MAJOR CONTOUR
 - = FENCE
 - = BEAM GUARD
 - = CHAINLINK FENCE
 - = WOODED AREA/SHRUB EDGE
 - = WATER MAIN
 - = ST = STORM SEWER
 - = SAN = SANITARY SEWER
 - = COMBINED SEWER
 - = NATURAL GAS MAIN
 - = UNDERGROUND TELEPHONE
 - = UNDERGROUND ELECTRIC
 - = OVERHEAD UTILITY LINES
 - = UNDERGROUND FIBER OPTIC
 - = UNDERGROUND CABLE TV
 - = BUREAU OF ELEC. SERV. CL. MIL.
 - = STEAM LINE
 - = COMMUNICATION CONDUIT
 - (P) IN LINESYLE INDICATES DRAWN PER EXISTING PLANS AND ARE APPROXIMATE
 - = ASPHALT SURFACE
 - = CONCRETE SURFACE
 - = WETLANDS

LEGAL DESCRIPTION

LOTS 18, 19, 20, 21, 22 IN BLOCK B, AND THE SOUTH 34 FEET OF LOT 23 IN BLOCK B, EUREKA HEIGHTS, A RECORDED SUBDIVISION IN THE CITY OF WAUKESHA, RECORDED IN VOLUME 3, PAGE 62, ON APRIL 22, 1842 IN THE REGISTER OF DEEDS OFFICE, BEING PART OF THE NORTHEAST 1/4, SECTION 4, TOWNSHIP 6 NORTH, RANGE 19 EAST, CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN.

AND

ALL THAT PART OF THE NORTHEAST 1/4, SECTION 4, TOWNSHIP 6 NORTH, RANGE 19 EAST, CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF LOT 25, BLOCK B, EUREKA HEIGHTS, A RECORDED SUBDIVISION IN THE CITY OF WAUKESHA; THENCE SOUTH 2° 22' WEST, ALONG THE WEST LINE OF BLOCK B, SAID SUBDIVISION 70.0 FEET TO THE SOUTH LINE OF MICHIGAN AVENUE AND THE PLACE OF BEGINNING OF THE FOLLOWING DESCRIBED PROPERTY; THENCE WEST ALONG SAID SOUTH LINE, 680.0 FEET TO THE EAST LINE OF N. MORELAND BLVD.; THENCE SOUTH 1° 05' WEST ALONG SAID EAST LINE, 515 FEET; THENCE SOUTH 89° 30' EAST, 668.45 FEET TO THE WEST LINE OF BLOCK B, AFORESAID EUREKA HEIGHTS SUBDIVISION; THENCE NORTH 2° 22' EAST ALONG SAID WEST LINE, 515.30 FEET TO THE SOUTH LINE OF AFORESAID MICHIGAN AVENUE AND THE PLACE OF BEGINNING; EXCEPTING THEREFROM THAT PORTION AS CONTAINED IN DOCUMENT NO. 2569182 AND DESCRIBED AS FOLLOWS:

ALL THAT PART OF THE NORTHEAST 1/4 OF SECTION 4, TOWNSHIP 6 NORTH, RANGE 19 EAST, IN THE CITY OF WAUKESHA, STATE OF WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF LOT 6 OF THE PLAT OF GIERSDORF, RECORDED IN VOLUME 41 OF PLATS, ON PAGES 24 AND 25, AS DOCUMENT NO. 868340; THENCE NORTH 01° 10' 00" EAST 50.00 FEET; THENCE NORTH 89° 30' 01" WEST 280.00 FEET TO THE EAST RIGHT OF WAY LINE OF N. MORELAND BLVD; THENCE SOUTH 01° 10' 00" WEST ALONG SAID RIGHT OF WAY LINE 50.00 FEET; THENCE SOUTH 89° 30' 01" EAST ALONG THE NORTH LINE OF LAND DESCRIBED IN DOCUMENT NO. 723938, 280.00 FEET TO THE PLACE OF BEGINNING.

FOR INFORMATIONAL PURPOSES ONLY:

PROPERTY ADDRESS: 310 N. HINE AVENUE, WAUKESHA, WI 53188

TAX KEY NUMBER: WAK 1309.086

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	375174.395	2468855.174	914.947	CP PK
101	375497.556	2468485.623	906.488	CP PK
103	375506.725	2468946.861	917.812	CP PK
206	375138.304	2468701.372	913.498	CP X
102	374932.467	2468451.722	895.545	CP X E MH RIM

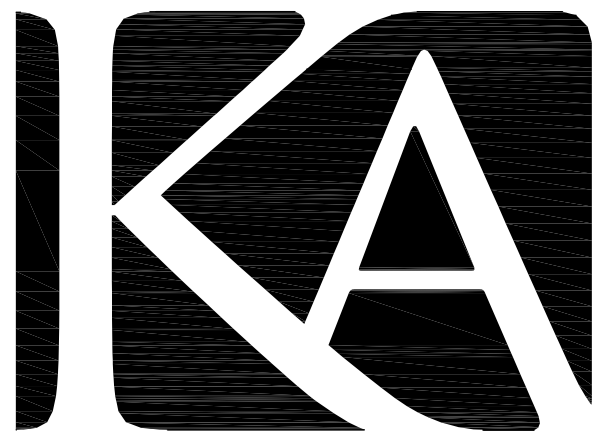
Note:
Underground Utilities Located by:
DIGGERS HOTLINE

Toll Free (800)242-8511
Milwaukee Area (414)259-1981
Hearing Impaired TDD (800)542-2289
www.DiggersHotline.com
REGISTERS HOTLINE TICKETS:
20185201287, 20185201289,
20185201293, 20185201295,
20185201297, 20185201300

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that that under My direction and control the the above described property was surveyed on xx/xx/xx 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 S-2500
February 9th, 2019



KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
7711 N. PORT WASHINGTON ROAD
MILWAUKEE, WISCONSIN 53217
Phone: 414.351.6668 Fax: 414.351.4117
www.kapurengineers.com

PROJECT:
BUTLER MIDDLE SCHOOL

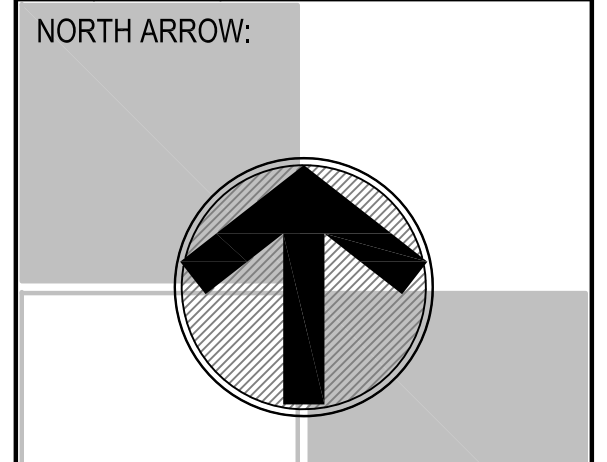
LOCATION:
**310 N Hine Ave
Waukesha, WI 53188**

CLIENT:
SCHOOL DISTRICT OF WAUKESHA

RELEASE:
FINAL

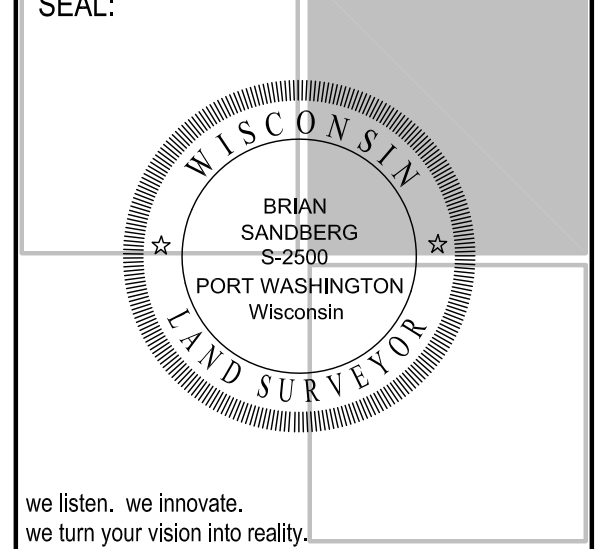
REVISIONS:

#	DATE	DESCRIPTION



SCALE: 1" = 40'

0 10 20 40 80
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY



SHEET:
PLAT OF SURVEY WITH TOPOGRAPHY

PROJECT MANAGER:
PROJECT NUMBER: 190085.01
DATE: 02/04/2019

SHEET NUMBER:
C1.0

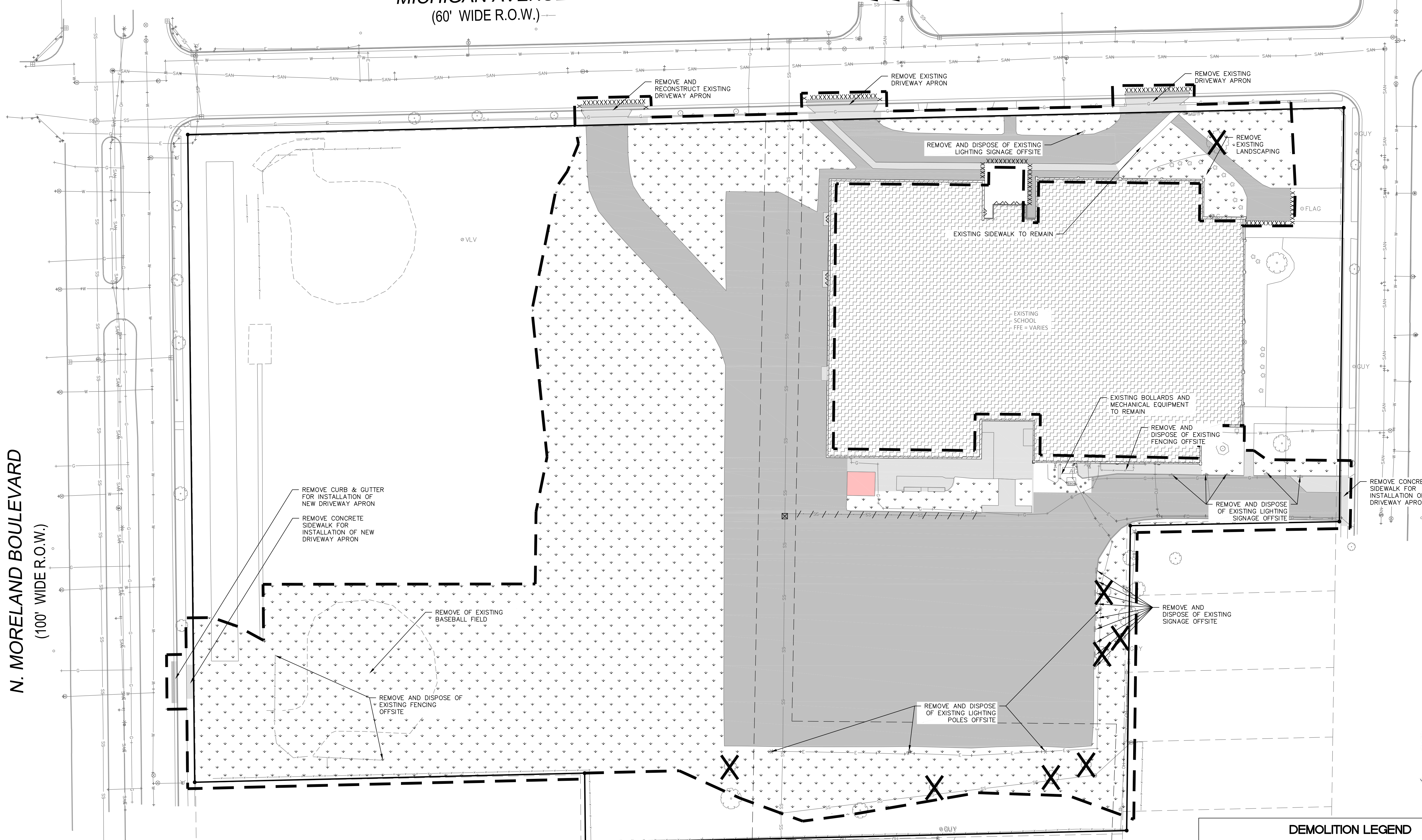
FILENAME: S:\SiftaDgn\Bray Architects\190085 School District of Waukesha\190085 Waukesha Butler Middle School\Survey\DWG\190085_PLAT.dwg

MICHIGAN AVENUE (60' WIDE R.O.W.)

KIMBERLY DRIVE

N. HINE AVENUE (60' WIDE R.O.W.)

N. MORELAND BOULEVARD (100' WIDE R.O.W.)



DEMOLITION NOTES

1. CONSULT WITH OWNER TO DETERMINE A SAFE STORAGE LOCATION OF ITEMS SPECIFICALLY CALLED OUT TO BE SALVAGED FOR OWNER REUSE. EXERCISE CARE DURING REMOVAL AND TRANSPORT TO PREVENT DAMAGE.
2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO DWRN, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
4. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
5. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
6. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND/OR RELOCATION OF ALL EXISTING UTILITIES FROM EXISTING BUILDINGS AND WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO ELECTRICAL/FIBER OPTIC/TELEPHONE/CABLE/GAS/WATER/SANITARY/STORM. DEMOLITION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, & LOCAL REGULATIONS.
7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.
8. ALL EXISTING UTILITY LINES SHALL BE FULLY PROTECTED AND SUPPORTED/SHORED DURING CONSTRUCTION TO KEEP LINES IN SERVICE AND TO PREVENT DAMAGE. WHERE NEW UNDERGROUND UTILITIES ARE TO BE INSTALLED BELOW EXISTING UTILITIES, SUPPORT EXISTING LINES IN PLACE. PROVIDE RESTRICTION OF BOTH HORIZONTAL AND VERTICAL MOVEMENT OF UTILITY. AFTER NEW UTILITIES HAVE BEEN INSTALLED, EXISTING UTILITIES SHALL BE BACKFILLED IN SAME MANNER AS THAT SPECIFIED FOR NEW UTILITIES. PROVIDE FLOWABLE CONCRETE FILL DIRECTLY BENEATH EXISTING UTILITIES WHERE SPECIFIED COMPACTION REQUIREMENTS CANNOT BE ACHIEVED.

DEMOLITION LEGEND

	VEGETATION TO BE REMOVED AND DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, TOPSOIL TO BE STOCKPILED. UNUSED AND UNSUITABLE TOPSOIL TO BE REMOVED OFFSITE. TOPSOIL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT OR FIELD VERIFY DEPTH IF GEOTECHNICAL REPORT NOT AVAILABLE.
	ASPHALT PAVEMENT AND BASE MATERIAL TO BE REMOVED TO SUB-BASE AND DISPOSED OF OFFSITE. CONCRETE AND BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
	CONCRETE AND BASE MATERIAL TO BE REMOVED TO SUB-BASE AND DISPOSED OF OFFSITE. CONCRETE AND BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
	SAWCUT FULL DEPTH
	TREES AND STUMPS TO BE REMOVED
	DENOTES UTILITIES TO BE ABANDONED AND REMOVED.
	KNOWN UTILITY AND POTENTIAL CONFLICT EXIST
	EXISTING BUILDING AND FOUNDATION TO BE RAZED.
	DENOTES EXISTING STORM INLETS TO BE REMOVED. ALL STORM SEWER INLETS SHALL HAVE INLET PROTECTION UNTIL REMOVED. SEE EROSION CONTROL PLAN



6/21/2019 10:49:10 AM
B:\36275351 - Waukesha SD\351 - Waukesha SD\2016\12\21_ARCH\RT1.dwg



Office Locations:
Davenport
 220 Emerson Place, Suite 301
 Davenport, Iowa 52801
Milwaukee
 829 S. 1st Street
 Milwaukee, Wisconsin 53204
 T: 414.226.0200
Sheboygan
 1227A North 8th Street
 PO Box 955
 Sheboygan, Wisconsin 53082
 T: 920.459.4200
 www.brayarch.com



Project Title:
 Addition and Remodeling to:
 Butler Middle School
 School District of Waukesha
 310 N. Hine Ave., Waukesha, WI 53188

REVISIONS:
 DATE DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
 3353

Issued For:
 PLAN
 COMMISSION REVIEW
 11/11/2019

Sheet Title:
 SITE DEMOLITION PLAN

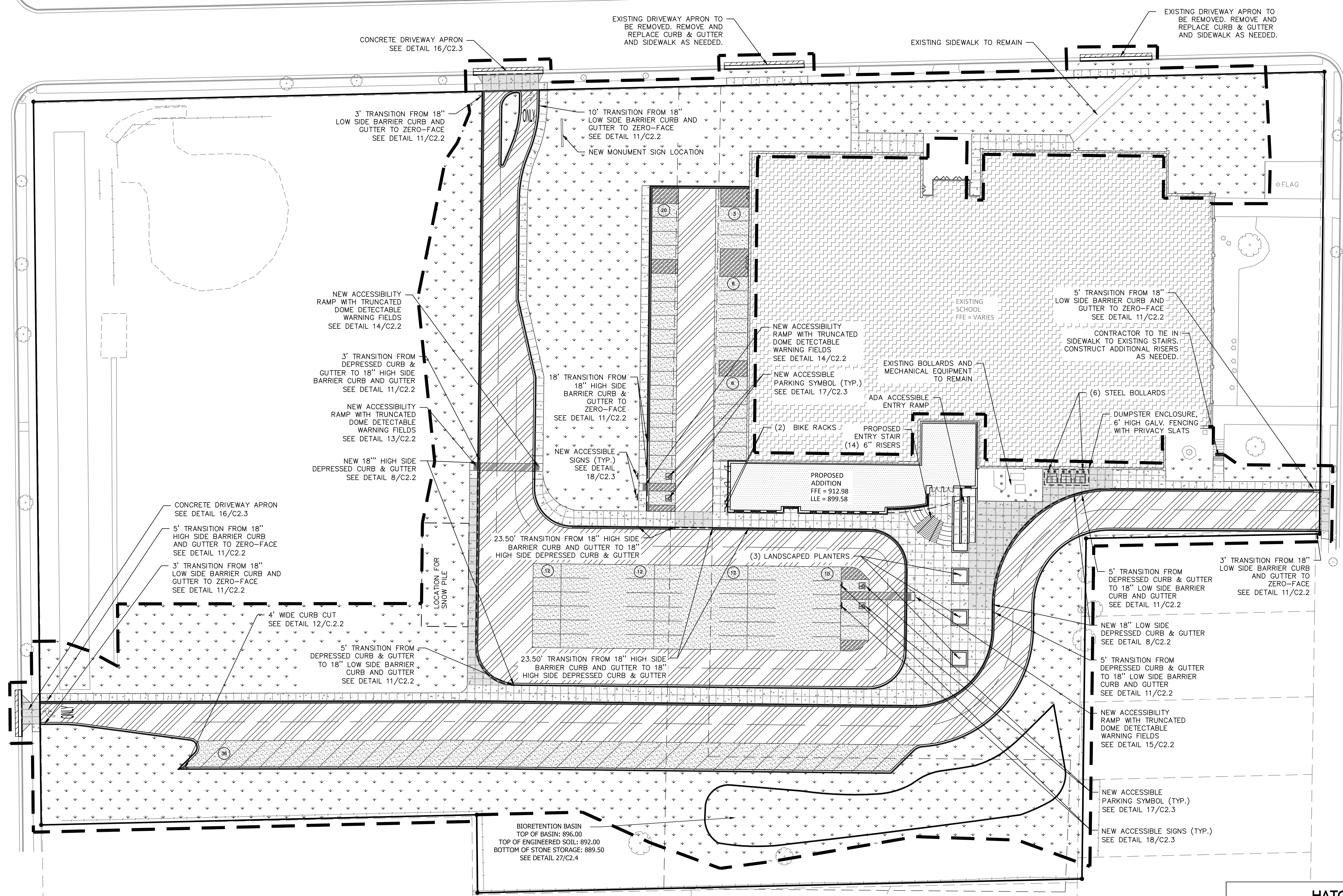
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 C1.1

N. MORELAND BOULEVARD
(100' WIDE R.O.W.)

MICHIGAN AVENUE
(60' WIDE R.O.W.)

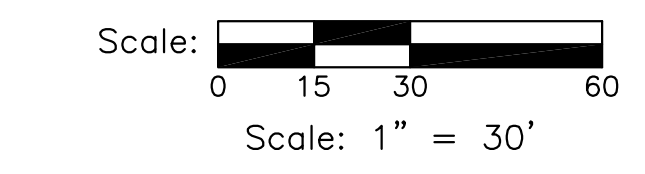
KIMBERLY DRIVE

N. HINE AVENUE
(60' WIDE R.O.W.)



BIORETENTION BASIN
TOP OF BASIN: 896.00
TOP OF ENGINEERED SOIL: 892.00
BOTTOM OF STONE STORAGE: 889.50
SEE DETAIL 27/C2.4

HATCH LEGEND	
	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.
	NEW ASPHALTIC CONCRETE (LIGHT DUTY) SEE DETAIL 4/C2.2
	NEW ASPHALTIC CONCRETE (HEAVY DUTY) SEE DETAIL 4/C2.2
	NEW ASPHALTIC CONCRETE (PUBLIC ROADWAY) SEE DETAIL 4/C2.2
	NEW CONCRETE SLAB SEE DETAIL 5/C2.2
	NEW HEAVY DUTY CONCRETE SLAB SEE DETAIL 5/C2.2
	NEW HIGH-SIDE CURB & GUTTER SEE DETAIL 7/C2.2
	NEW LOW-SIDE CURB & GUTTER SEE DETAIL 7/C2.2



DIGGERSHOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

WISCONSIN
DANIEL M. JANKIE
E-40464
MILWAUKEE WI
PROFESSIONAL ENGINEER
Daniel M. Jankie

bray architects

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220 Emerson Place, Suite 301
Davenport, Iowa 52801

Milwaukee
829 S. 1st Street
Milwaukee, Wisconsin 53204
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Sheboygan
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Sheboygan, Wisconsin 53082
T: 920.459.4200

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Kapur
7711 N. Port Washington Road
Milwaukee, WI 53217
www.kapurinc.com

Project Title:
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310 N. Hine Ave., Waukesha, WI 53188

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NO.	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3353

Issued For:
PLAN COMMISSION REVIEW
11/11/2019

Sheet Title:
SITE LAYOUT PLAN

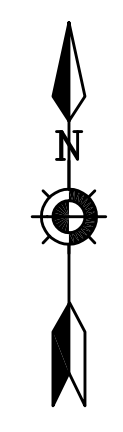
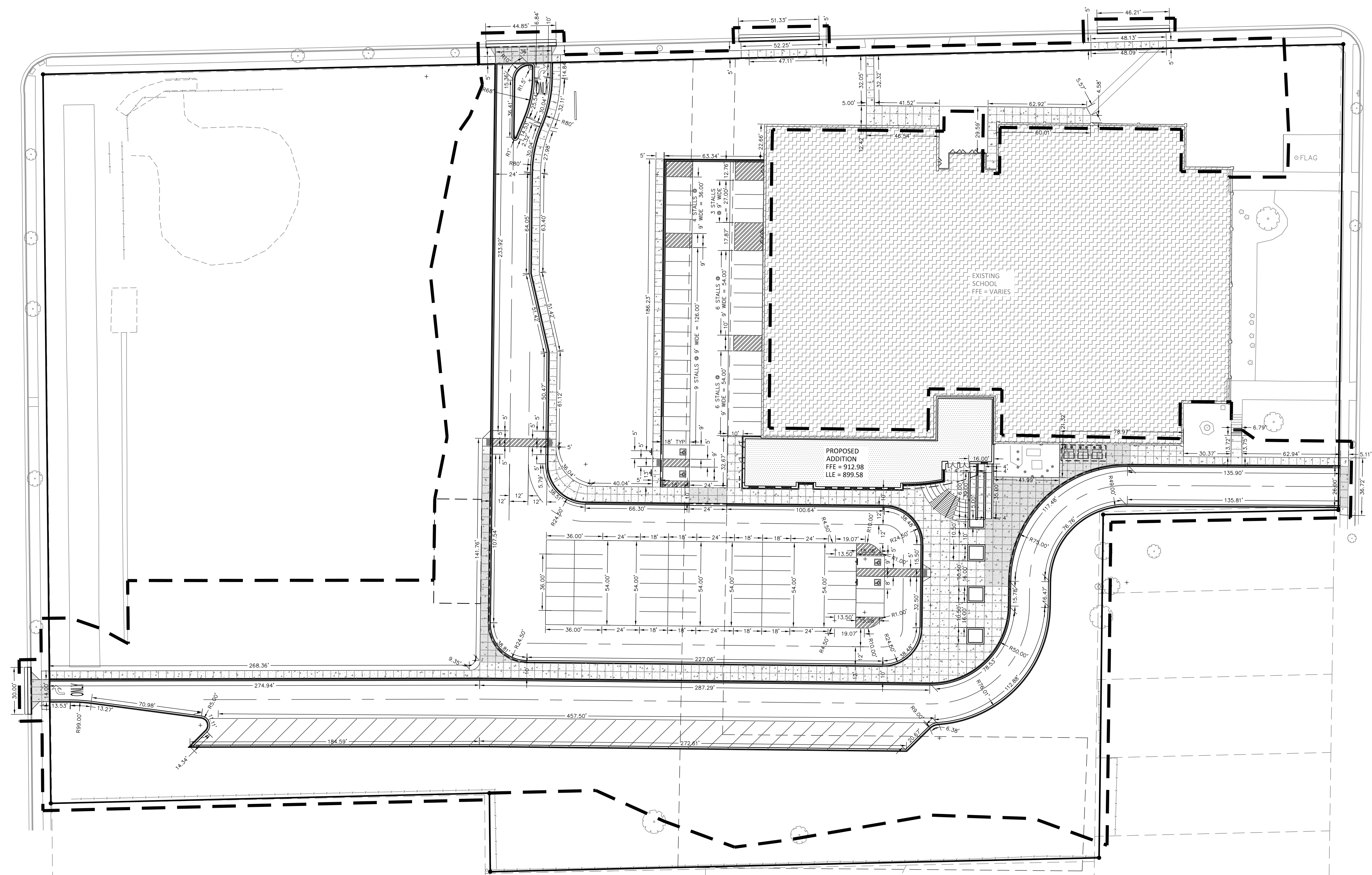
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C1.2

N. MORELAND BOULEVARD
(100' WIDE R.O.W.)

MICHIGAN AVENUE
(60' WIDE R.O.W.)

KIMBERLY
DRIVE

N. HINE AVENUE
(60' WIDE R.O.W.)



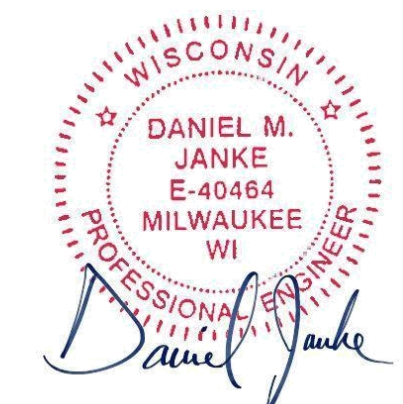
Scale: 0 15 30 60
Scale: 1" = 30'



Dial 811 or (800)242-8511
www.DiggersHotline.com

PAVEMENT MARKING LEGEND

- 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 INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (SEE WDOT PAVEMENT MARKING S.D.D.)
- PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, YELLOW, 4-INCH WIDE DIAGONAL STRIPING, 3' O.C. SPACING



Office Locations:

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220 Emerson Place, Suite 301
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Project Number:
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PLAN
COMMISSION
REVIEW
11/11/2019

Sheet Title:
SITE
GEOMETRICS &
TRAFFIC
CONTROL PLAN

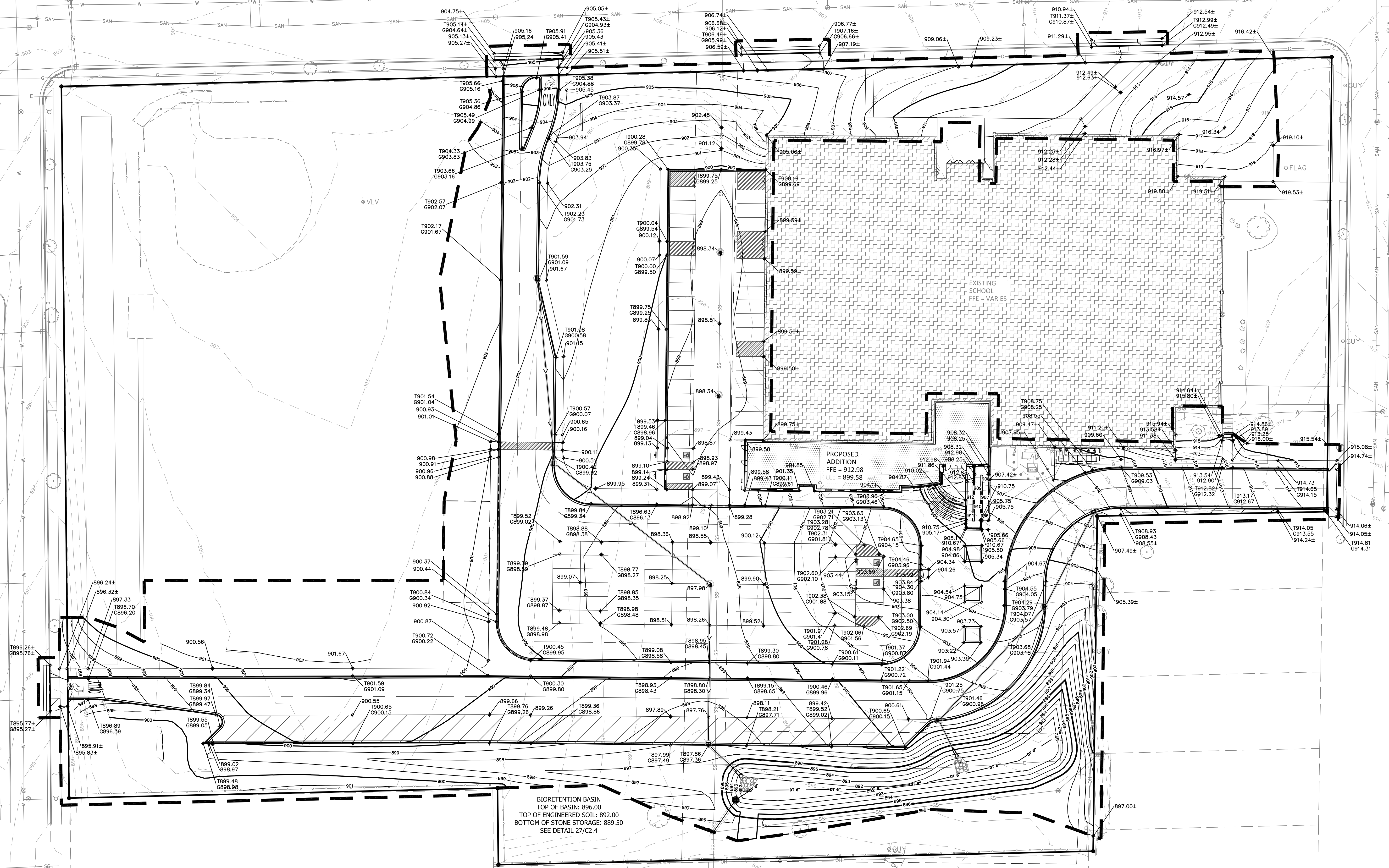
Sheet Number:
C1.3

N. MORELAND BOULEVARD
(100' WIDE R.O.W.)

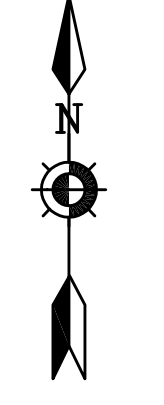
MICHIGAN AVENUE
(60' WIDE R.O.W.)

KIMBERLY DRIVE

N. HINE AVENUE
(60' WIDE R.O.W.)



BIORETENTION BASIN
TOP OF BASIN: 896.00
TOP OF ENGINEERED SOIL: 892.00
BOTTOM OF STONE STORAGE: 889.50
SEE DETAIL 27/C2.4



Scale: 1" = 30'

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

GRADING LEGEND	
--- 959 ---	EXISTING CONTOUR MINOR
--- 965 ---	EXISTING CONTOUR MAJOR
--- 968 ---	PROPOSED CONTOUR MINOR
--- 965 ---	PROPOSED CONTOUR MAJOR
◆ 970.00	PROPOSED SPOT GRADE
◆ 965.0±	MATCH EXISTING SPOT GRADE
◆ 970.00	PROPOSED TOP OF CURB
◆ 970.00	PROPOSED BOTTOM OF CURB
◆ 970.0±	MATCH EXISTING TOP OF CURB
◆ 970.0±	MATCH EXISTING BOTTOM OF CURB
◆ TW 970.00	PROPOSED TOP OF WALL
◆ BW 956.00	PROPOSED BOTTOM OF WALL
◆ TW 970.0±	MATCH EXISTING TOP OF WALL
◆ BW 956.0±	MATCH EXISTING BOTTOM OF WALL



Project Title:
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School District of Waukesha
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DATE DESCRIPTION

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Project Number:
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Issued For:
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COMMISSION
REVIEW**
11/11/2019

Sheet Title:
**SITE GRADING
PLAN**

Sheet Number:
C1.4



Office Locations:
Davenport
220 Emerson Place, Suite 301
Davenport, Iowa 52801

Milwaukee
829 S. 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

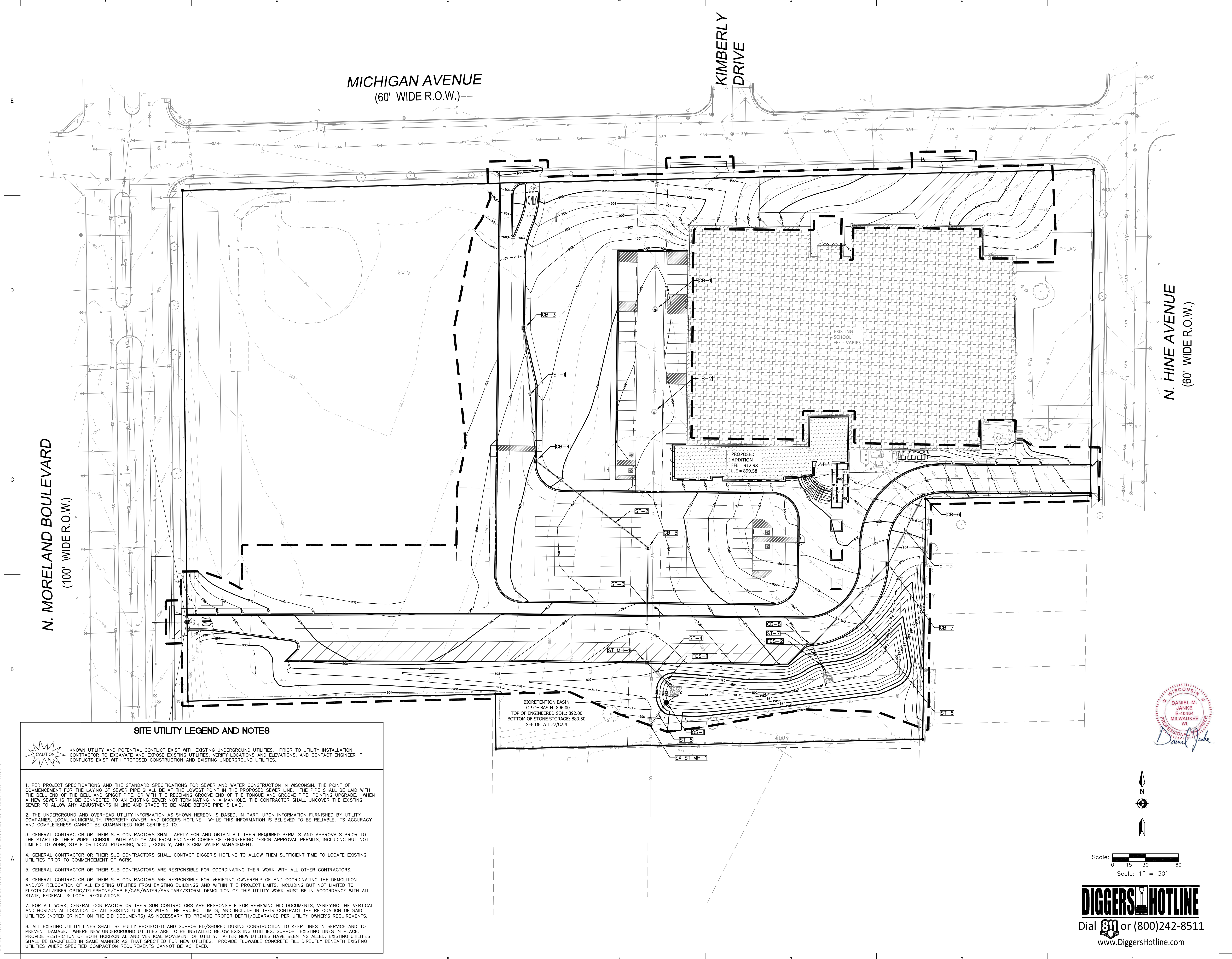
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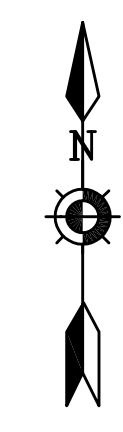
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SITE UTILITY LEGEND AND NOTES

- CAUTION** KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES.
- PER PROJECT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, THE POINT OF COMMENCEMENT FOR THE LAYING OF SEWER PIPE SHALL BE AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. THE PIPE SHALL BE LAID WITH THE BELL END OF THE BELL AND SPIGOT PIPE, OR WITH THE RECEIVING GROOVE END OF THE TONGUE AND GROOVE PIPE, POINTING UPGRADE. WHEN A NEW SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A MANHOLE, THE CONTRACTOR SHALL UNCOVER THE EXISTING SEWER TO ALLOW ANY ADJUSTMENTS IN LINE AND GRADE TO BE MADE BEFORE PIPE IS LAID.
 - THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
 - GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO WORK, STATE OR LOCAL PLUMBING, WDOIT, COUNTY, AND STORM WATER MANAGEMENT.
 - GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
 - GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
 - GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND/OR RELOCATION OF ALL EXISTING UTILITIES FROM EXISTING BUILDINGS AND WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO ELECTRICAL, FIBER OPTIC, TELEPHONE/CABLE, GAS/WATER/SANITARY/STORM. DEMOLITION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, & LOCAL REGULATIONS.
 - FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.
 - ALL EXISTING UTILITY LINES SHALL BE FULLY PROTECTED AND SUPPORTED/SHORED DURING CONSTRUCTION TO KEEP LINES IN SERVICE AND TO PREVENT DAMAGE. WHERE NEW UNDERGROUND UTILITIES ARE TO BE INSTALLED BELOW EXISTING UTILITIES, SUPPORT EXISTING LINES IN PLACE. PROVIDE RESTRICTION OF BOTH HORIZONTAL AND VERTICAL MOVEMENT OF UTILITIES. AFTER NEW UTILITIES HAVE BEEN INSTALLED, EXISTING UTILITIES SHALL BE BACKFILLED IN SAME MANNER AS THAT SPECIFIED FOR NEW UTILITIES. PROVIDE FLOWABLE CONCRETE FILL DIRECTLY BENEATH EXISTING UTILITIES WHERE SPECIFIED COMPACTION REQUIREMENTS CANNOT BE ACHIEVED.

BIORETENTION BASIN
TOP OF BASIN: 896.00
TOP OF ENGINEERED SOIL: 892.00
BOTTOM OF STONE STORAGE: 889.50
SEE DETAIL 27/C2.4



Scale: 0 15 30 60
Scale: 1" = 30'

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Project Title:
Addition and Remodeling to:
Butler Middle School
School District of Waukesha
310 N. Hine Ave., Waukesha, WI 53188

REVISIONS:

NOT FOR CONSTRUCTION

Project Number:
3353

Issued For:
PLAN COMMISSION REVIEW
11/11/2019

Sheet Title:
SITE UTILITY PLAN

Sheet Number:
C1.5A

STORM SEWER STRUCTURE TABLE							
STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT:	BOTTOM:	DETAIL:	NOTES:
CB-1	48" DIAMETER (R-2502-D)	898.34	EX, 24" N INV = 885.63±	EX, 24" S INV = 885.63±	884.13±	24/C2.4	SITE UTILITY CONTRACTOR TO CONSTRUCT CATCH BASIN OVER EXISTING STORM SEWER. VERIFY EXACT LOCATION AND INVERT IN FIELD.
CB-2	48" DIAMETER (R-2502-D)	898.34	EX, 24" N INV = 884.05±	EX, 24" S INV = 884.05±	882.55±	24/C2.4	SITE UTILITY CONTRACTOR TO CONSTRUCT CATCH BASIN OVER EXISTING STORM SEWER. VERIFY EXACT LOCATION AND INVERT IN FIELD.
CB-3	48" DIAMETER (R-3067-L)	901.11	N/A	ST-1, 12" S INV = 898.11	896.61	23/C2.4	N/A
CB-4	48" DIAMETER (R-3067-L)	899.89	ST-1, 12" N INV = 896.90	ST-2, 12" SE INV = 895.80	894.30	23/C2.4	N/A
CB-5	48" DIAMETER (R-2502-D)	897.98	ST-2, 12" NW INV = 894.51	ST-3, 18" S INV = 894.41	892.91	24/C2.4	N/A
CB-6	48" DIAMETER (R-3067-L)	907.29	N/A	ST-5, 12" SW INV = 902.03	900.53	23/C2.4	N/A
CB-7	48" DIAMETER (R-3067-L)	903.24	ST-5, 12" NE INV = 899.25	ST-6, 12" SW INV = 899.03	897.53	23/C2.4	N/A
CB-8	48" DIAMETER (R-3067-L)	901.00	ST-6, 12" NE INV = 897.00	ST-7, 12" SE INV = 894.21	892.71	23/C2.4	N/A
EX ST MH-1	N/A	895.52±	ST-8, 18" NE INV = 889.24	EX, 30" S INV = 880.27±	N/A	N/A	SITE UTILITY CONTRACTOR TO PROVIDE CONNECTION TO EXISTING STORM MANHOLE. VERIFY EXACT LOCATION AND INVERT IN FIELD.
FES-1	18" RCP APRON ENDWALL	N/A	ST-4, 18" NW INV = 893.01	N/A	N/A	25&26/C2.4	N/A
FES-2	12" RCP APRON ENDWALL	N/A	ST-7, 12" NW INV = 894.00	N/A	N/A	25&26/C2.4	N/A
OS-1	48" DIAMETER OUTLET STRUCTURE	893.50	N/A	ST-8, 18" SW INV = 889.50	888.00	26/C2.4	N/A
ST MH-1	48" DIAMETER (R-3067-R)	897.36	ST-3, 18" N INV = 893.36	ST-4, 18" SE INV = 893.26	893.26	22/C2.3	N/A

STORM SEWER PIPE TABLE								
PIPE NAME:	FROM:	TO:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	GPM:
ST-1	CB-3	CB-4	898.11	896.90	121.45'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	177
ST-2	CB-4	CB-5	895.80	894.51	128.89'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	728
ST-3	CB-5	ST MH-1	894.41	893.36	105.00'	1.00%	18" SMOOTH INTERIOR WALL HDPE PIPE	3148
ST-4	ST MH-1	FES-1	893.26	893.01	24.67'	1.00%	18" CLASS IV RCP	4525
ST-5	CB-6	CB-7	902.03	899.25	69.53'	4.00%	12" SMOOTH INTERIOR WALL HPDE PIPE	337
ST-6	CB-7	CB-8	899.03	897.00	101.41'	2.00%	12" SMOOTH INTERIOR WALL HPDE PIPE	727
ST-7	CB-8	FES-2	894.21	894.00	20.80'	1.00%	12" CLASS IV RCP	949
ST-8	OS-1	EX ST MH-1	889.50	889.24	25.63'	1.00%	18" CLASS IV RCP	N/A

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 School District of Waukesha
 310 N. Hine Ave., Waukesha, WI 53188**

REVISIONS:		
DATE	DESCRIPTION	

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Project Number:
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Issued For:
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 11/11/2019

Sheet Title:
SITE UTILITY TABLES

Sheet Number:
C1.5B

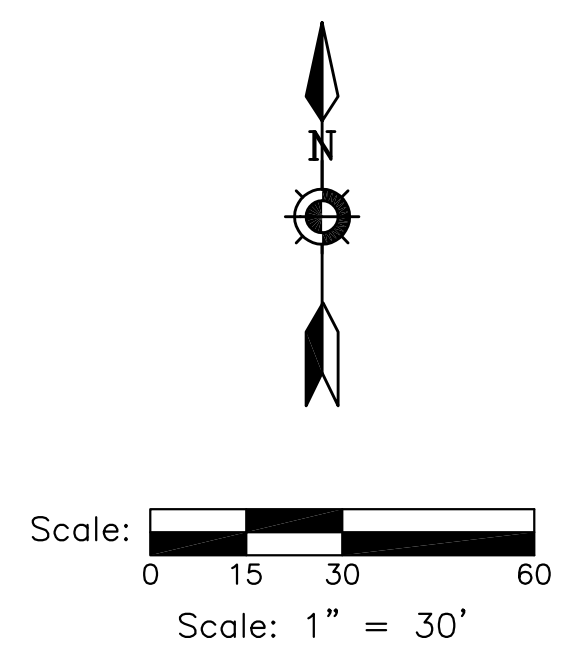
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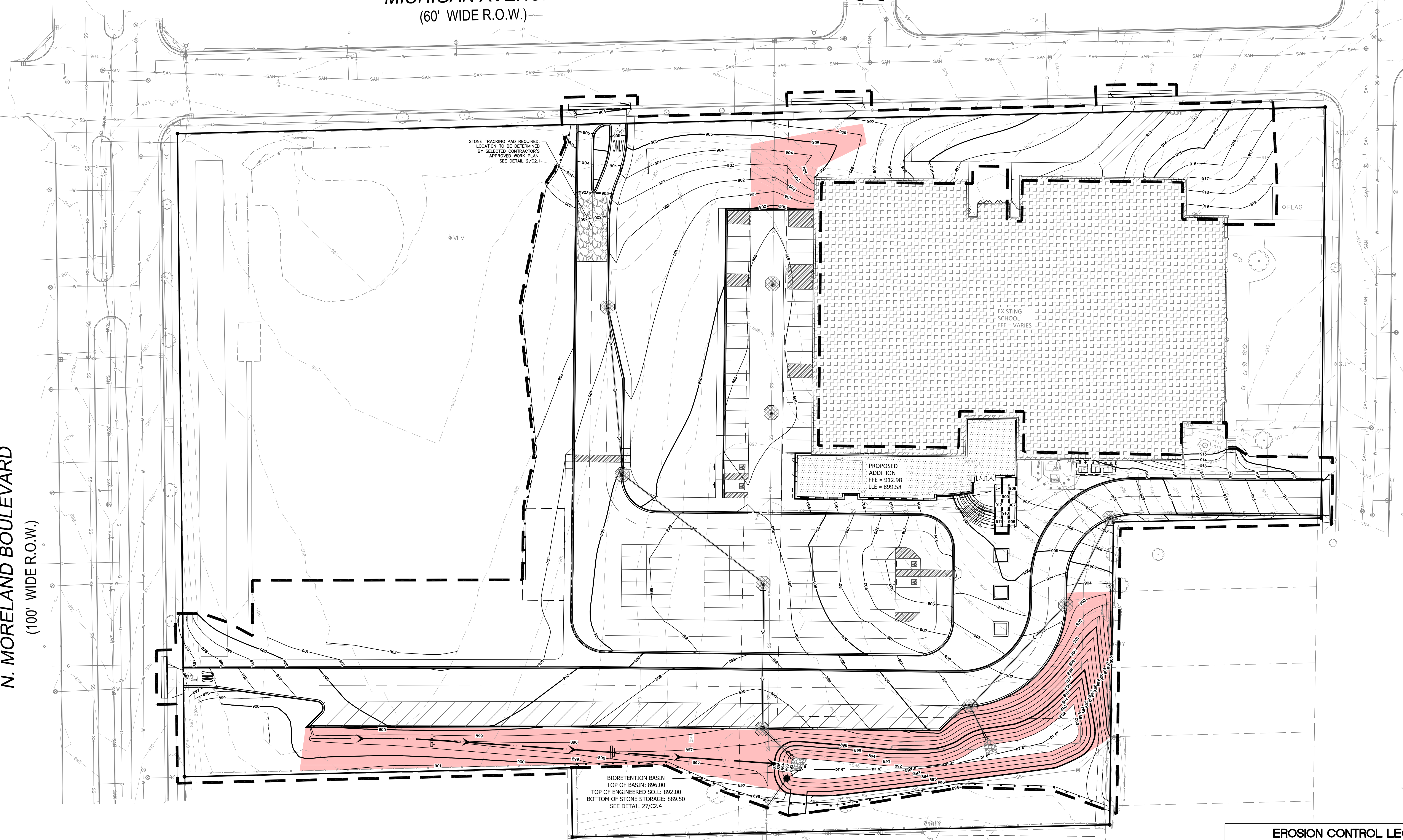
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N. MORELAND BOULEVARD
 (100' WIDE R.O.W.)

MICHIGAN AVENUE
 (60' WIDE R.O.W.)

KIMBERLY DRIVE

N. HINE AVENUE
 (60' WIDE R.O.W.)



STONE TRACKING PAD REQUIRED. LOCATION TO BE DETERMINED BY SELECTED CONTRACTOR'S APPROVED WORK PLAN. SEE DETAIL 2/C2.1

VLV

EXISTING SCHOOL
 FFE = VARIES

PROPOSED ADDITION
 FFE = 912.98
 ILE = 899.58

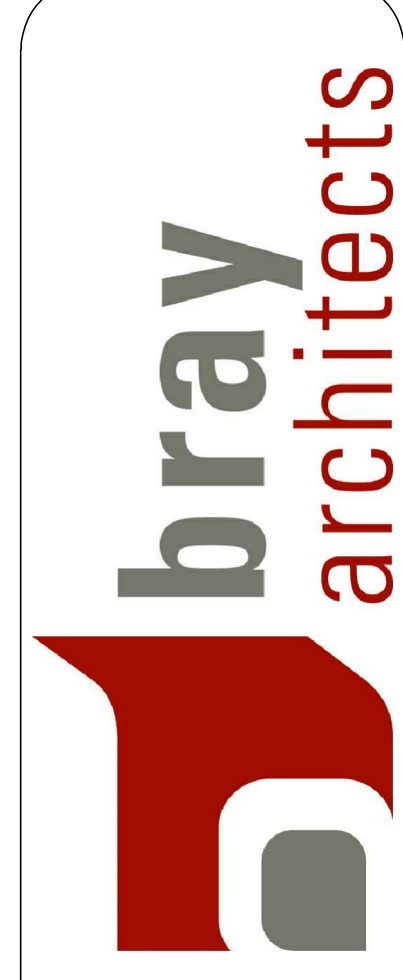
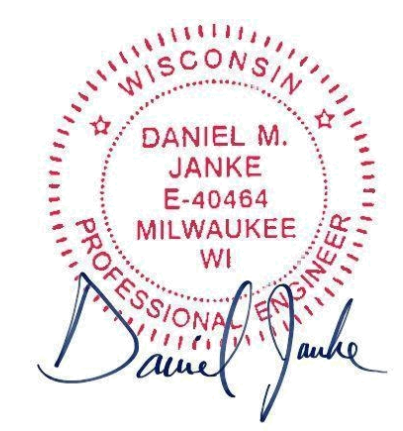
BIORETENTION BASIN
 TOP OF BASIN: 896.00
 TOP OF ENGINEERED SOIL: 892.00
 BOTTOM OF STONE STORAGE: 889.50
 SEE DETAIL 27/C2.4

EROSION CONTROL LEGEND

- FILTER FABRIC FENCE
SEE DETAIL 1/C2.1
- DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.
SEE DETAIL 2/C2.1
- DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED
SEE DETAIL 2/C2.1
- 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.
- TRIANGULAR SILT DIKES

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 WRITES PERMIT & CHAPTER 30 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.



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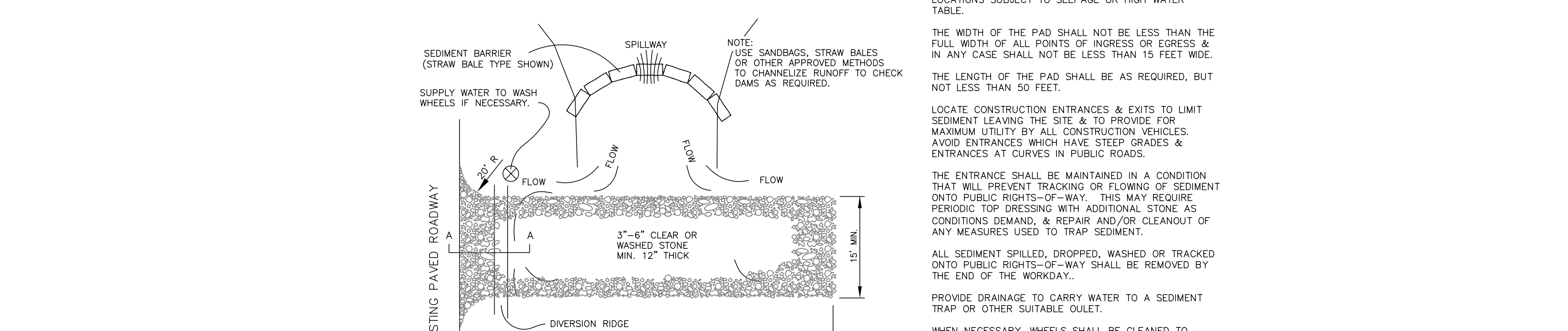
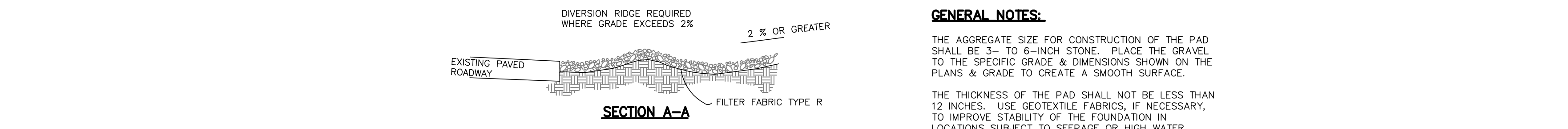
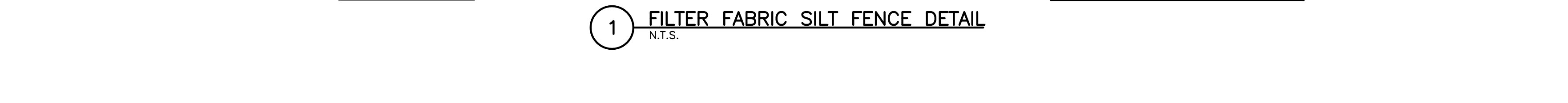
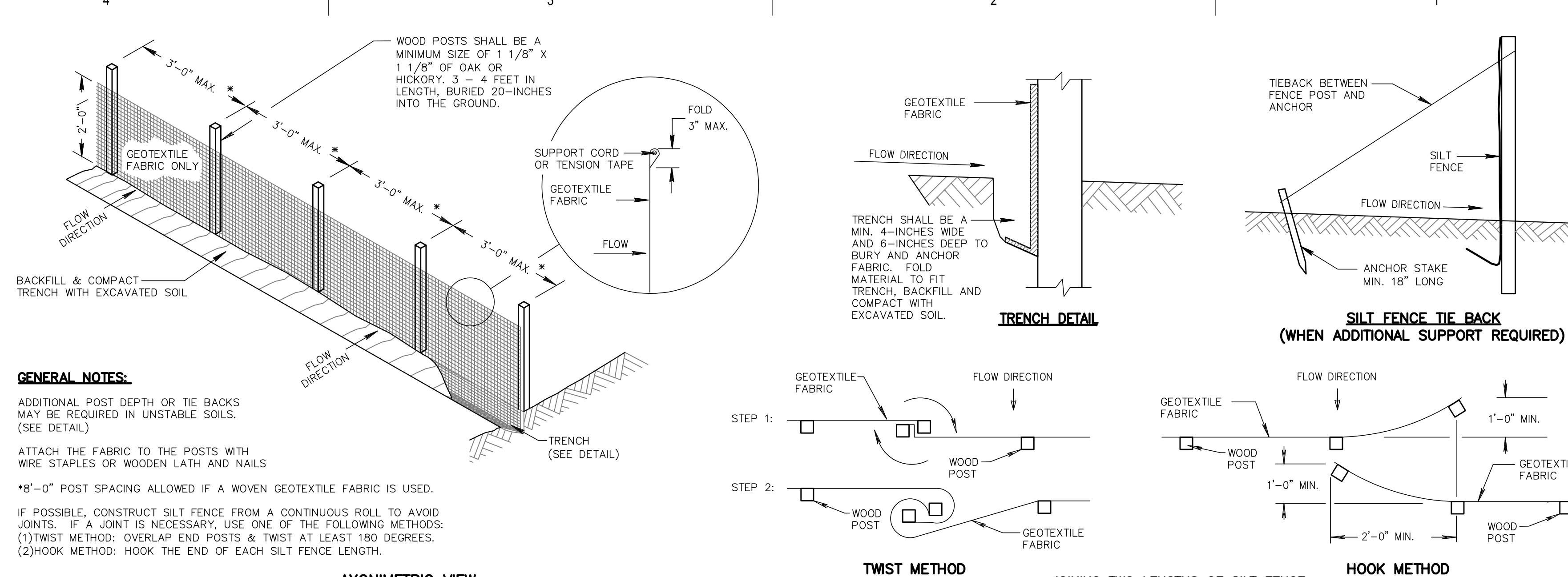
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 11/11/2019

Sheet Title:
SITE EROSION CONTROL PLAN

Sheet Number:
C1.6

EROSION CONTROL MEASURES

- 1. CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN AND PER THE LATEST WNR TECHNICAL STANDARDS...
2. INLETS AND CATCH BASINS SHALL BE PROTECTED WITH FILTER FABRIC...
3. A TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO REDUCE OFF-SITE SEDIMENTATION...
4. 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...
5. SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED...



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 ATTENDANCE.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SILT FENCES, SEEDING, EROSION MATTING, AND OTHER EROSION CONTROL MEASURES. GENERAL CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING, OR OTHER LAND DISTURBING ACTIVITIES.

ALL REGULATORY PERMITS, ALL PROJECT PLANS, AND INSPECTION LOGS SHALL BE KEPT ON SITE IN AN ACCESSIBLE LOCATION, SUCH AS A MAILBOX, AVAILABLE TO REGULATORY AGENCIES UPON REQUEST.

CONTRACTORS ARE TO MAINTAIN THE CONSTRUCTION SITE IN A NEAT AND TIDY MANNER FOR THE DURATION OF THE PROJECT.

THE TIMING AND SEQUENCE OF CONSTRUCTION IS SCHEDULED AS FOLLOWS:

- 1. OBTAIN PLAN APPROVAL FROM ALL RELEVANT GOVERNMENT AGENCIES AND MUNICIPALITIES, AND ALL APPLICABLE PERMITS, INCLUDING EROSION CONTROL PERMIT.
2. CONSTRUCTION IS SCHEDULED TO BEGIN IN 2020, DEPENDING ON WEATHER & GROUND CONDITIONS.
3. A GRAVEL TRACKING PAD UNDERLAIN WITH MISDOT TYPE R GEOTEXTILE FABRIC, ALONG WITH A TEMPORARY CULVERT IF NECESSARY, SHALL BE INSTALLED AS SHOWN ON THE PLANS, RE-GRADING EXISTING ROADWAY DITCH AS NECESSARY, IF INSTALLED, THE TEMPORARY CULVERT SHALL BE REMOVED AT END OF CONSTRUCTION ACTIVITIES.
4. SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE PLANS, AND INSPECTED PRIOR TO COMMENCING OF ANY LAND DISTURBING ACTIVITIES PER PROJECT PLANS AND DETAILS. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN THEY REACH A DEPTH OF 1/2 FENCE HEIGHT.
5. IF INDICATED ON PLANS, INSTALL CONSTRUCTION FENCE AND ANY TEMPORARY TRAFFIC CONTROLS.
6. IMMEDIATELY INSTALL ALL EROSION CONTROL MEASURES PRIOR TO LAND DISTURBANCE. SITE DEMOLITION OF PAVEMENT, ETC. WILL OCCUR AFTER EROSION CONTROL MEASURES ARE IN PLACE.
7. CONSTRUCTION OF THE BUILDING, STARTING WITH THE FOUNDATION, WILL BEGIN IMMEDIATELY AFTER THE SITE DEMOLITION IS COMPLETE IN THE BUILDING PAD AREA.
8. TOPSOIL STRIPPING AND ROUGH GRADING WILL FOLLOW. TOPSOIL STOCKPILES WILL BE LOCATED AS SHOWN ON THE PLANS. STOCKPILES WILL BE USED FOR FINAL LANDSCAPING. REMAINING STOCKPILES WILL BE REMOVED FROM THE SITE.
9. UTILITY INSTALLATION WILL OCCUR NEXT AND CONTINUE UNTIL ALL THE UTILITIES ARE INSTALLED. RESTORATION OF CURB AND GUTTER WILL FOLLOW.
10. AFTER ROUGH GRADING IS COMPLETE IN AREAS OUTSIDE OF HARD SURFACE AREAS SUCH AS PROPOSED ROADWAYS, PARKING LOTS, AND BUILDINGS, THE TOPSOIL WILL BE REAPPLIED AND THE LANDSCAPE CONTRACTOR WILL COMPLETE SEEDING/SODDING/FERTILIZING/MULCHING AND INSTALL EROSION MATTING AS PER APPROVED PLANS AND SPECIFICATIONS.
11. FINAL SITE STABILIZATION IS ANTICIPATED FOLLOWING THE COMPLETION OF GRADING ACTIVITIES. IF SITE STABILIZATION CANNOT BE COMPLETED BY OCTOBER 1, THEN THE USE OF ANIONIC POLYACRYLAMIDE CONFORMING TO WNR TECHNICAL STANDARD 1050 SHALL BE USED. IN ADDITION, ALL SLOPES OF GREATER THAN 20% MUST ADHERE TO THE SCHEDULE IN TABLE 1 ABOVE.
12. AFTER ALL TOPSOIL HAS BEEN REAPPLIED AND STABILIZATION IS UNDERWAY, ROADWAY, PARKING LOT, AND SIDEWALK BASE MATERIAL WILL BE APPLIED PER PROJECT SPECIFICATIONS.
13. THE GENERAL CONTRACTOR WILL REQUEST A FINAL INSPECTION BY THE DEPARTMENT OF ADMINISTRATION (DOA). UPON APPROVAL, ALL SILT FENCES, INLET FILTER PROTECTION, AND TRIANGULAR SILT DIKES SHALL BE REMOVED, AND ACCUMULATED SEDIMENT IN THE SEDIMENT BASIN/STORM WATER POND SHALL BE DREDGED AND PROPERLY DISPOSED OF. IN ADDITION, THE CONTRACTOR MUST ENSURE THAT THE STORM WATER POND IS RETURNED TO THE SLOPES AND GRADES SHOWN ON THE PROJECT PLANS AND DETAILS.
15. IF REQUIRED, FINAL "AS-BUILT" SURVEYS ARE TO BE CONDUCTED BY THE OWNER AND FINAL DOCUMENTS FORWARDED TO THE DOA.
16. BARE SOIL LEFT UNDISTURBED FOR 14 CALENDAR DAYS MUST BE TEMPORARILY STABILIZED PER WNR TECHNICAL STANDARD 1059, OR TEMPORARY GRADING PRACTICES PER WNR TECHNICAL STANDARD 1067 MAY BE IMPLEMENTED. HOWEVER BY OCTOBER 1, THE SITE SHALL BE STABILIZED PER NOTE 11 ABOVE.
17. WE DO NOT ANTICIPATE THE NEED FOR WATERING WITH THIS CONSTRUCTION SCHEDULE, HOWEVER, IF ADEQUATE RAIN IS NOT EXPERIENCED WITHIN ONE WEEK AFTER INITIAL SEED GERMINATION AT ANY POINT DURING THE CONSTRUCTION PROCESS, WATER SHALL BE TRUCKED IN AND APPLIED ONCE PER WEEK.

IF CONSTRUCTION SCHEDULES SHOULD CHANGE SIGNIFICANTLY, THIS PLAN NARRATIVE WILL BE UPDATED AND RESUBMITTED BY THE GENERAL CONTRACTOR TO THE DEPARTMENT OF ADMINISTRATION AND WNR.

TABLE 1 - MAXIMUM PERIOD OF BARE SOIL FOR SLOPES GREATER THAN 20%
SLOPE AREA DRAINS TO SEDIMENT BASIN? 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

DEWATERING PLAN

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

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

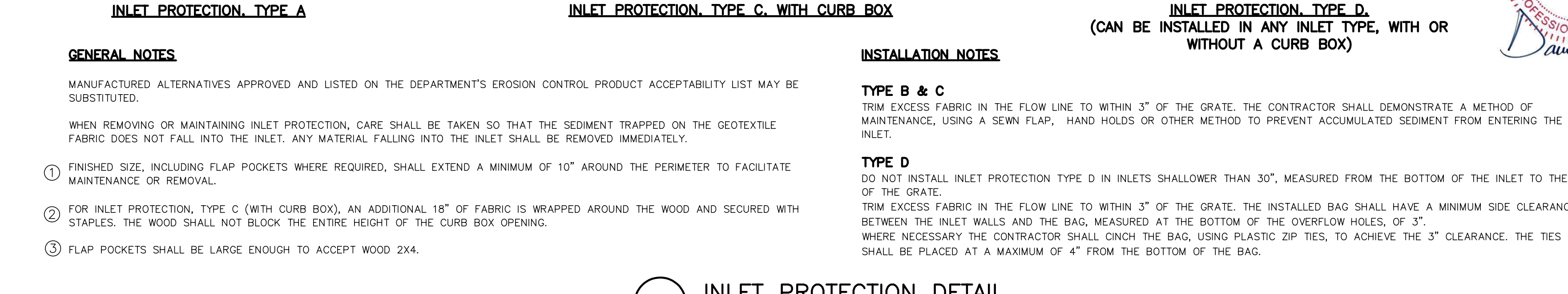
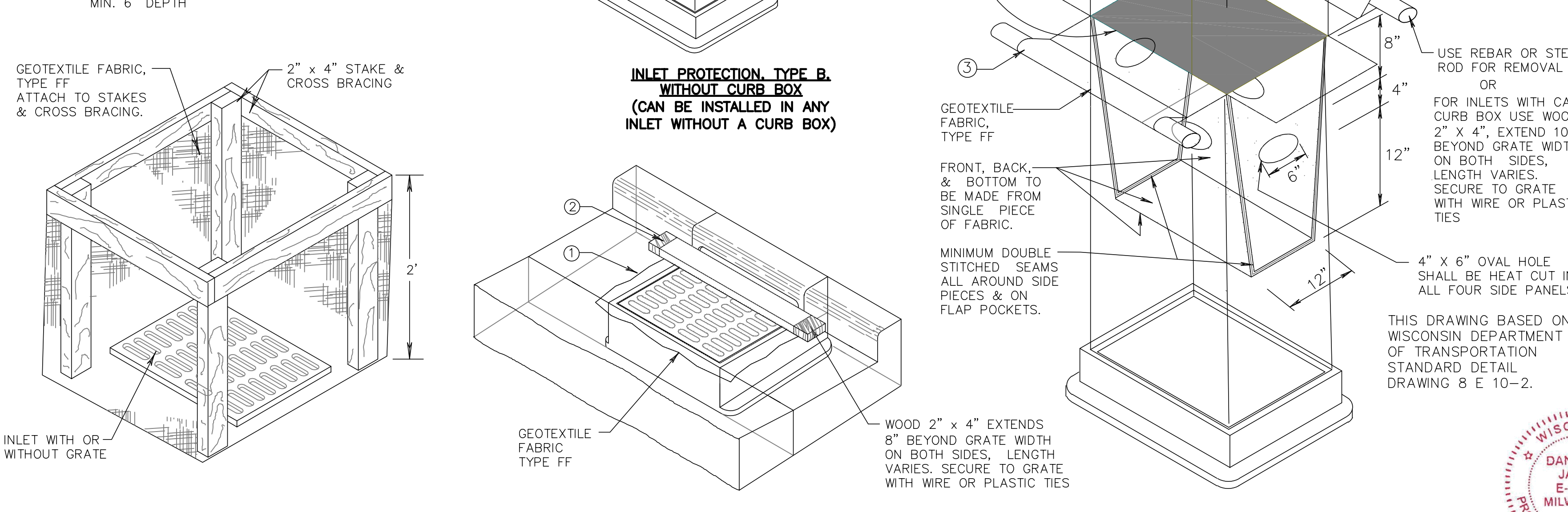
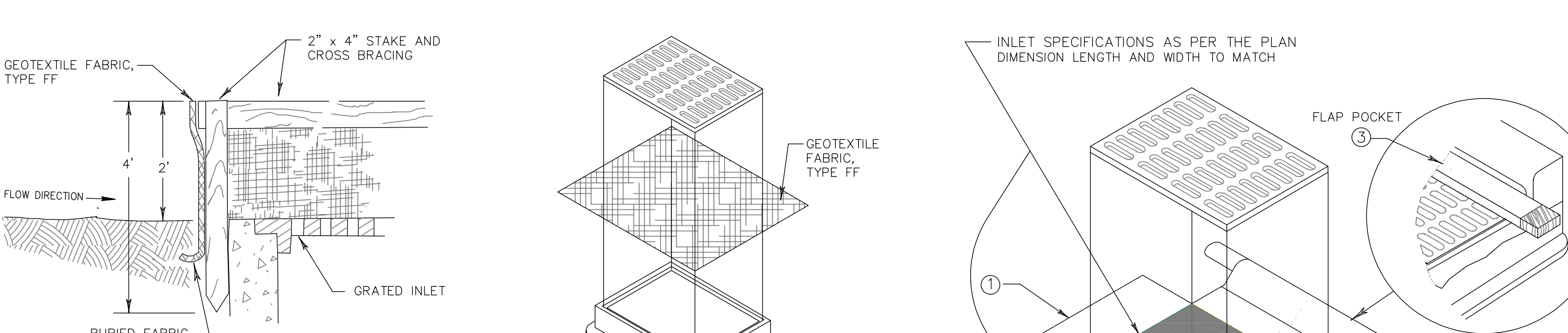
- 1. THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED WNR TECHNICAL STANDARD NUMBER 1061.
2. A PAN OR OTHER CONTAINMENT DEVICE SHALL BE PLACED UNDERNEATH THE PUMP TO CAPTURE ANY SPILLS, OILS, GASOLINE, ETC. SHALL NOT BE STORED WITHIN WETLANDS, NEAR THE STORMWATER POND,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

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

REVIEW THE FOLLOWING FOR MORE INFORMATION:
WNR TECHNICAL STANDARD 1061 FOR DEWATERING - http://dnr.wi.gov/topic/stormwater/documents/Dewatering_1061.pdf
WNR TECHNICAL STANDARD 1050 FOR POLYMER - http://dnr.wi.gov/topic/stormwater/documents/dnr1050-polyacrylamide.pdf

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 OR 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS WPDES PERMIT & CHAPTER 30 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 FLOODPLAINS UNLESS IDENTIFIED IN THE PLANS & APPROVED BY DNR/USACE.

2. STONE TRACKING CONSTRUCTION ENTRANCE



- GENERAL NOTES
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S 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 SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

6/21/2019 10:49:10 AM Bill 3662/5351 - Waukesha SD0353 - Waukesha SD_201612121_ARCH RTR.vrt



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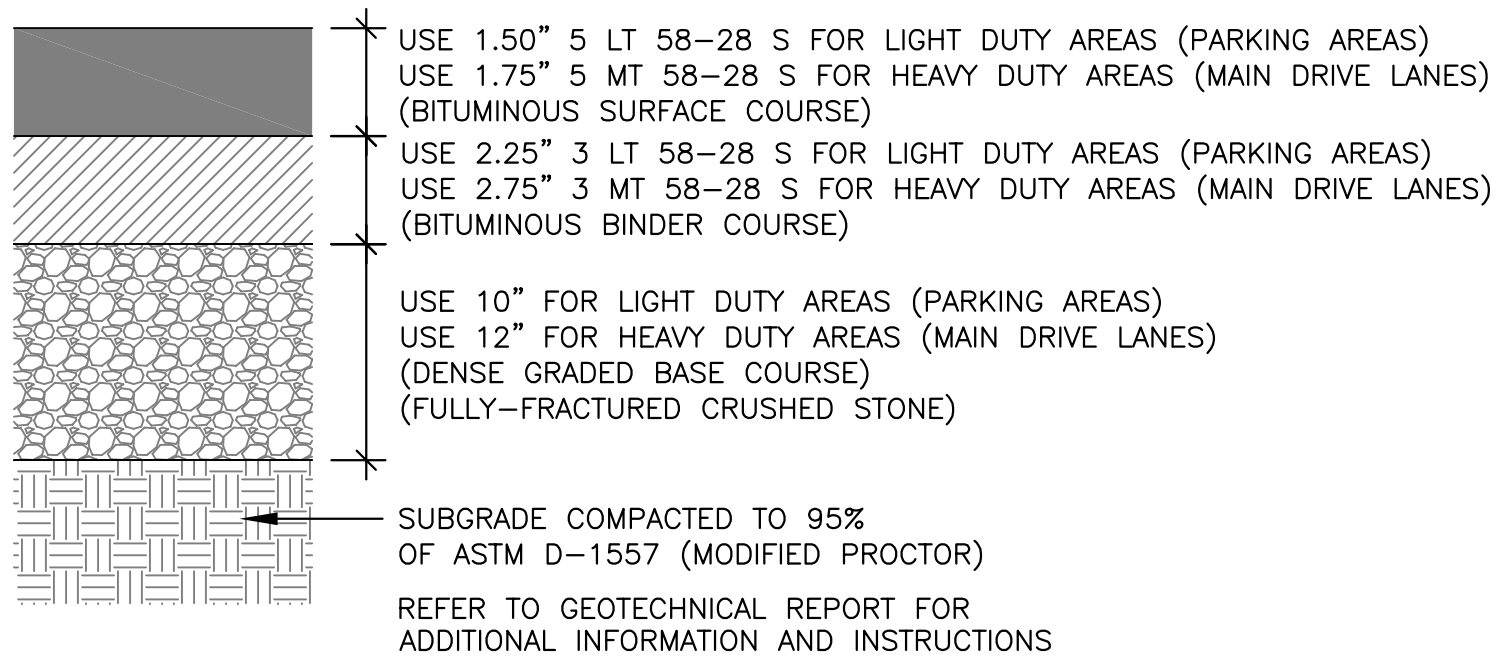
Project Title:
Addition and Remodeling to:
Butler Middle School
School District of Waukesha
310 N. Hime Ave., Waukesha, WI 53188

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DATE DESCRIPTION
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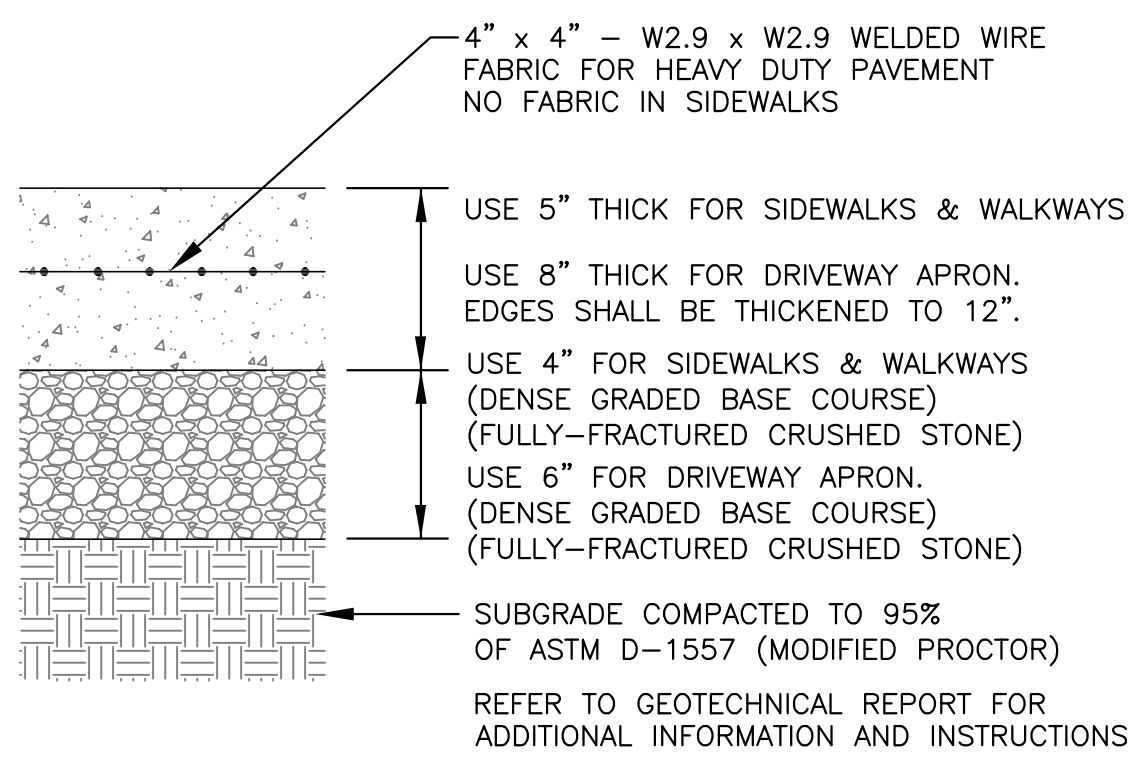
Project Number:
3353
Issued For:
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11/11/2019

Sheet Title:
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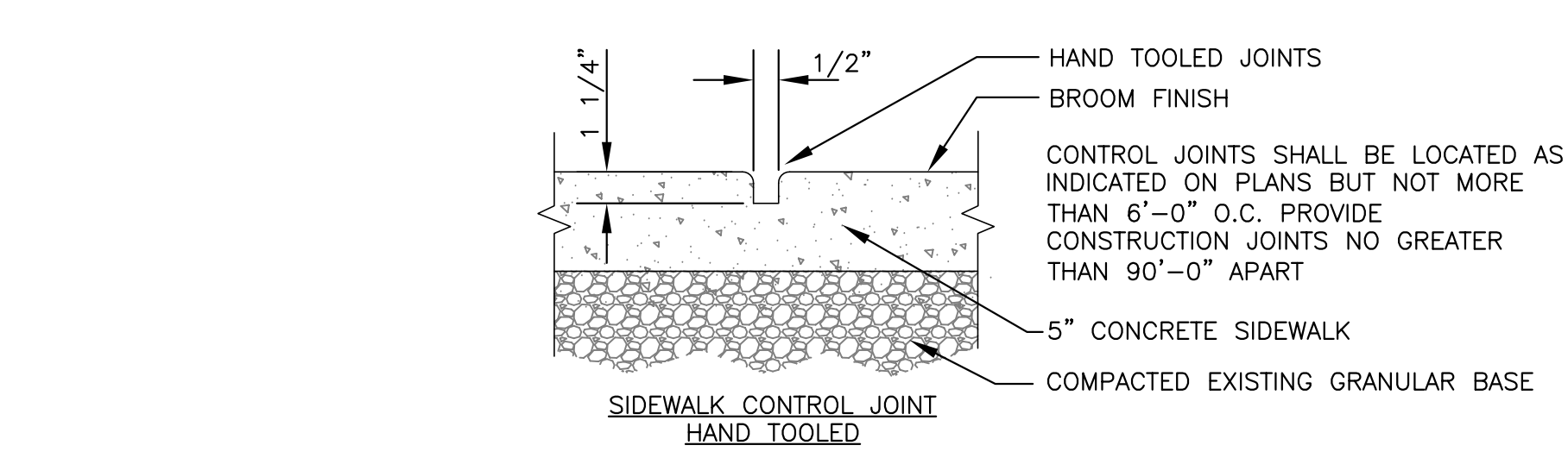
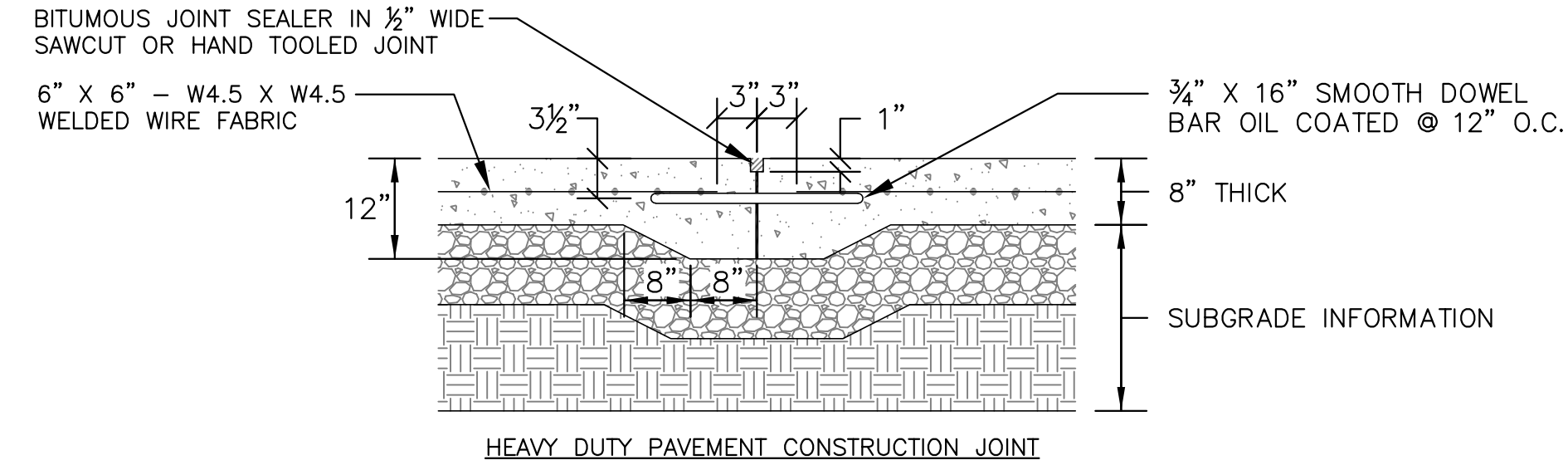
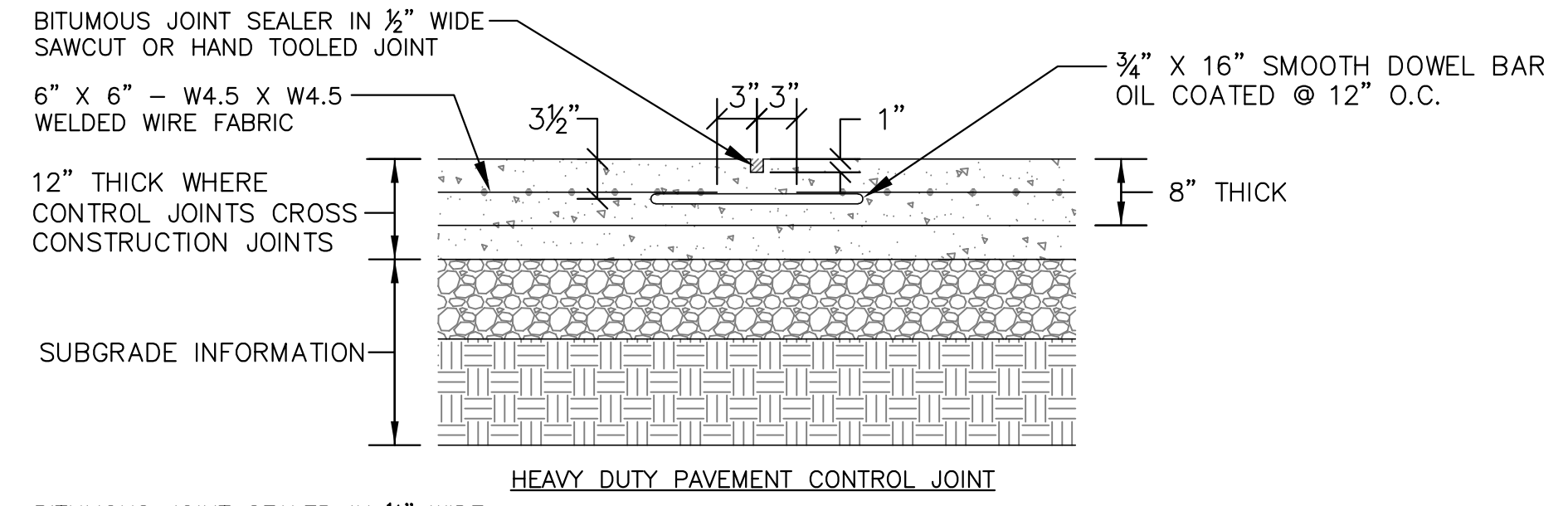
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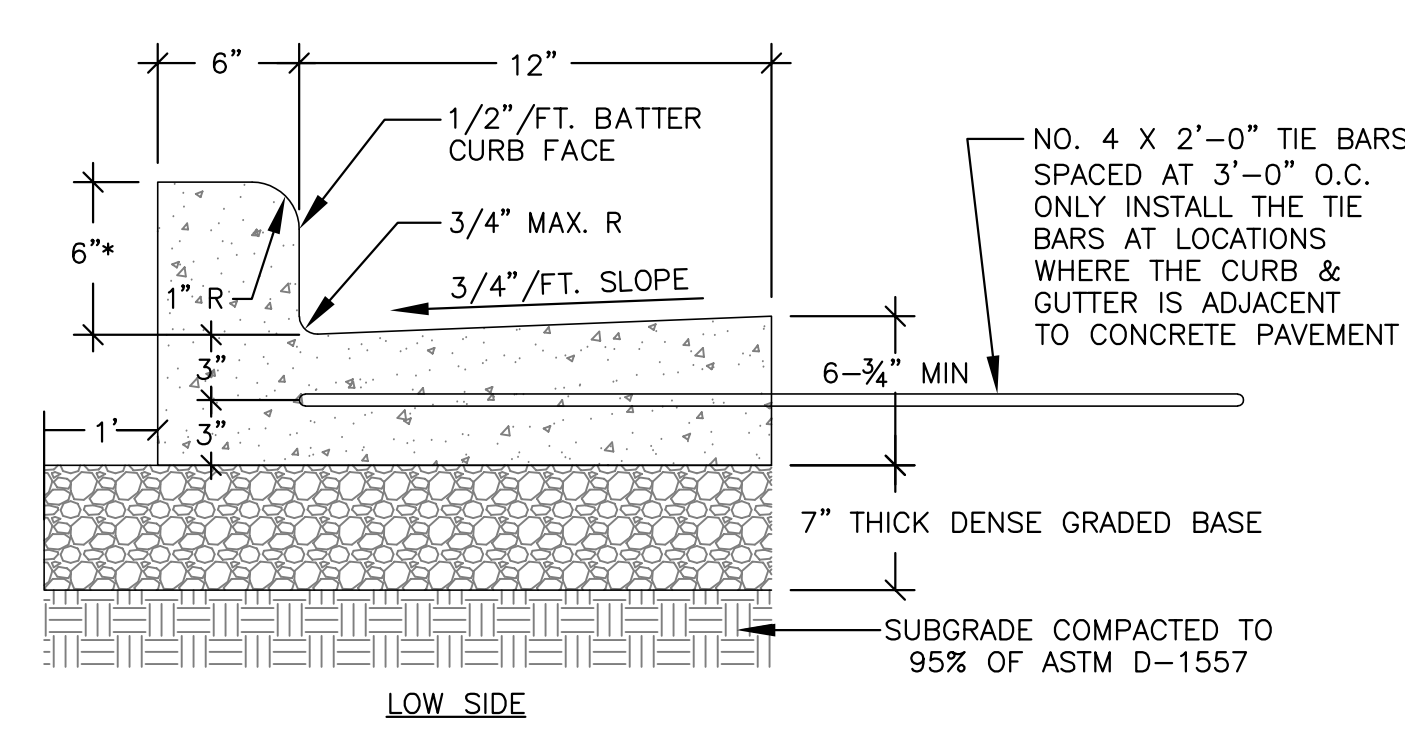
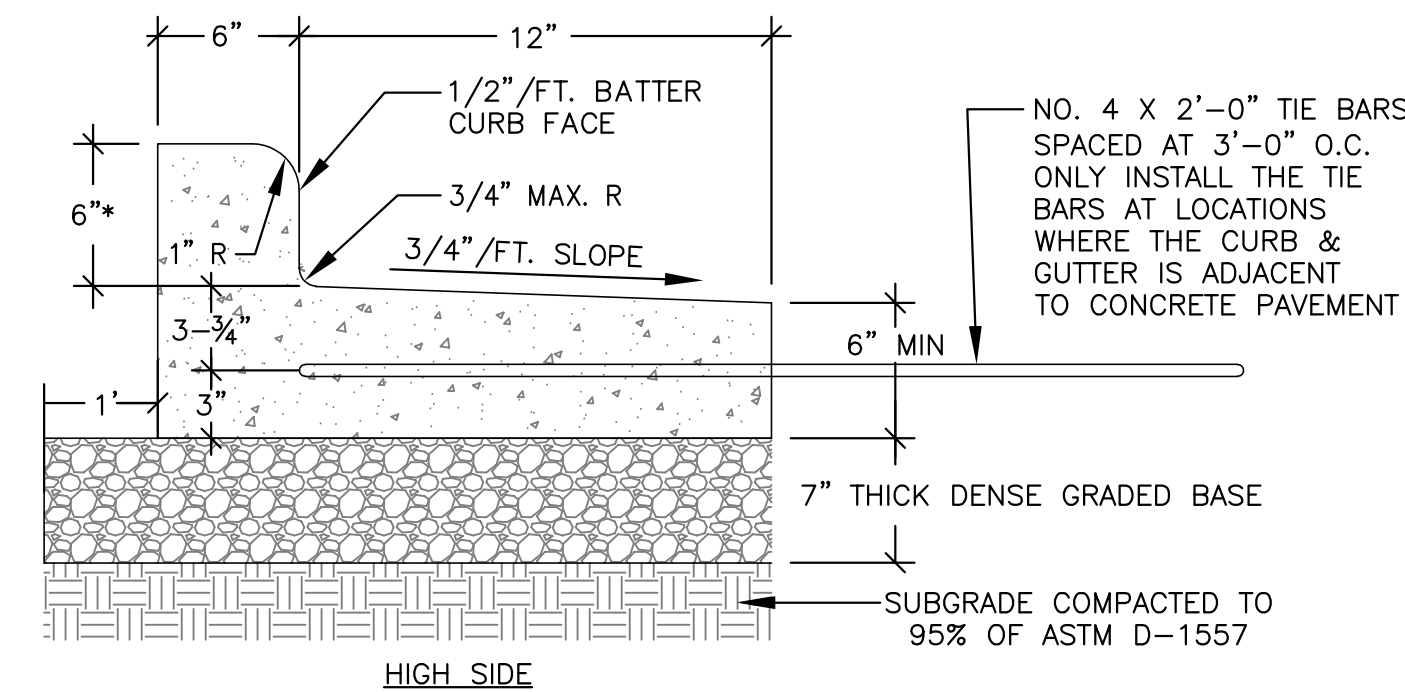
4 ASPHALTIC CONCRETE PAVEMENT
N.T.S.



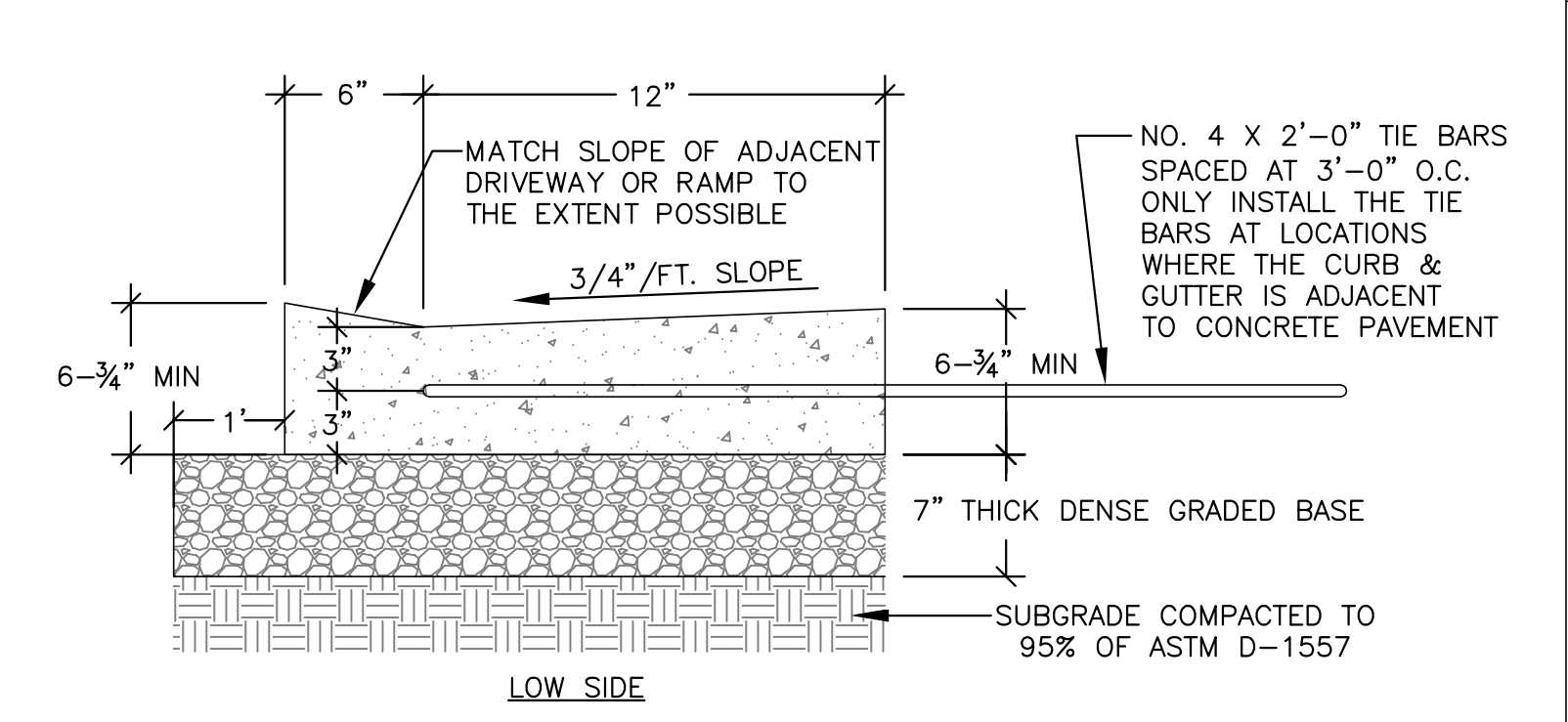
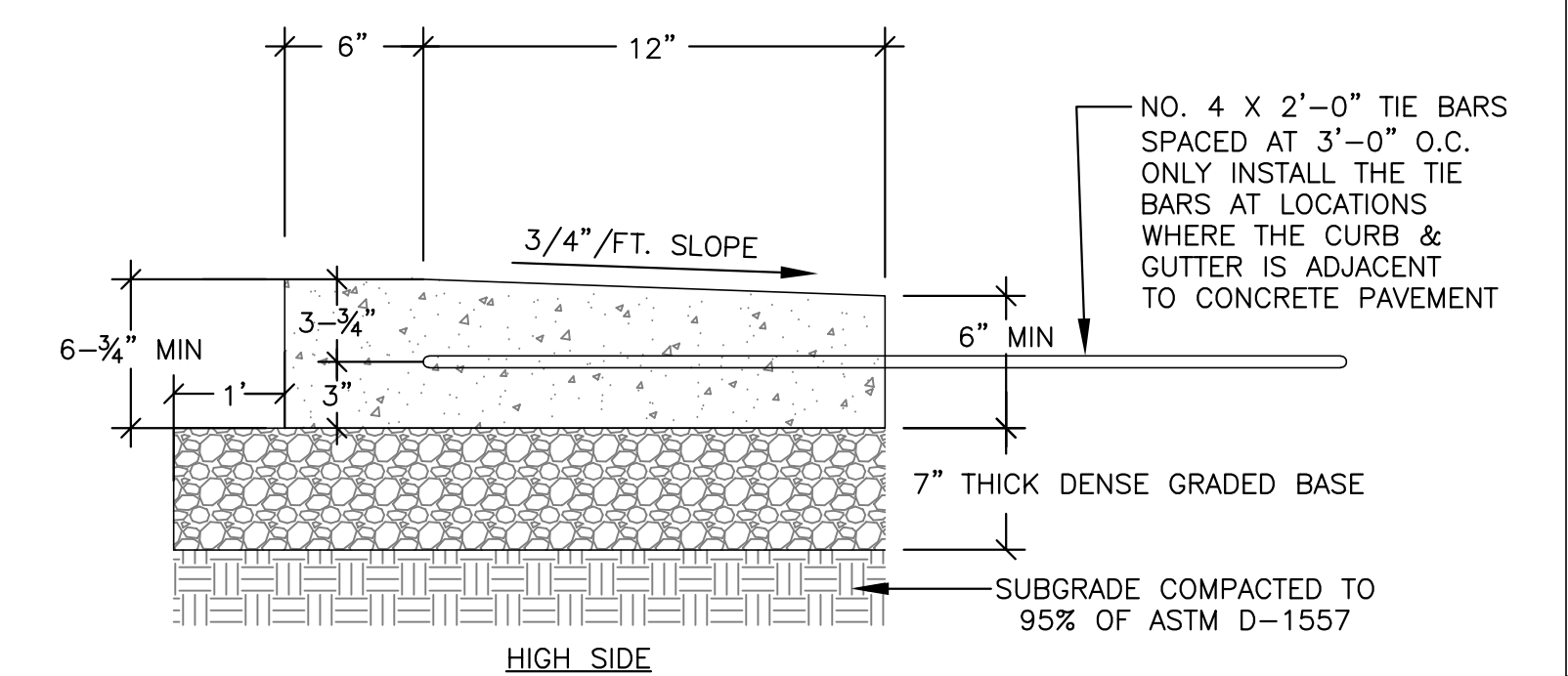
5 CONCRETE SIDEWALK/SLAB
N.T.S.



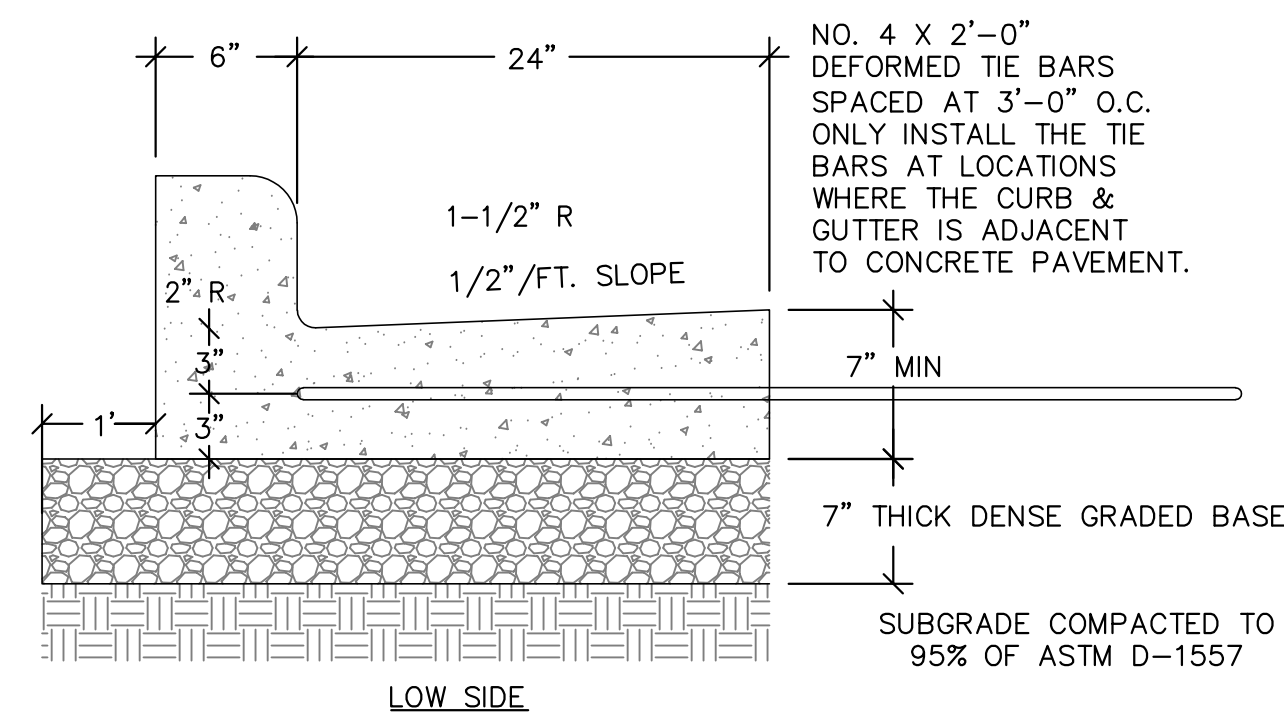
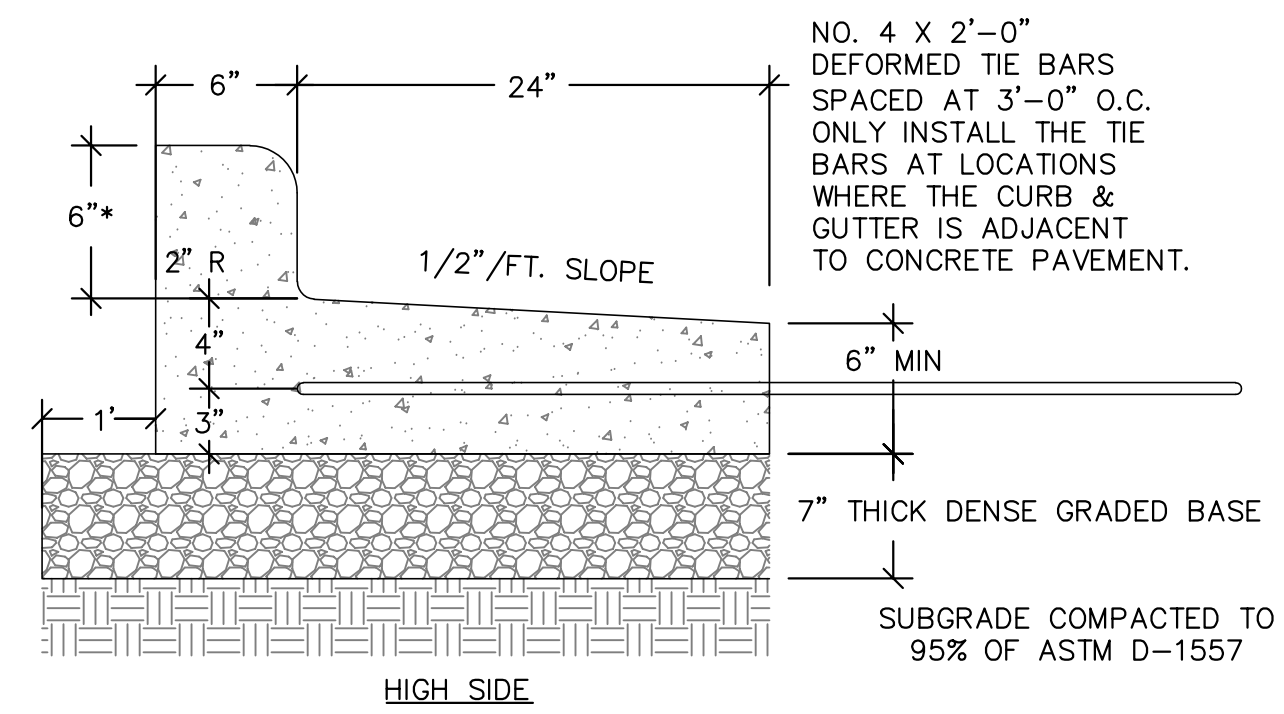
6 CONTROL & CONSTRUCTION JOINT DETAILS (TYP.)
N.T.S.



7 18-INCH BARRIER CONCRETE CURB & GUTTER
N.T.S.

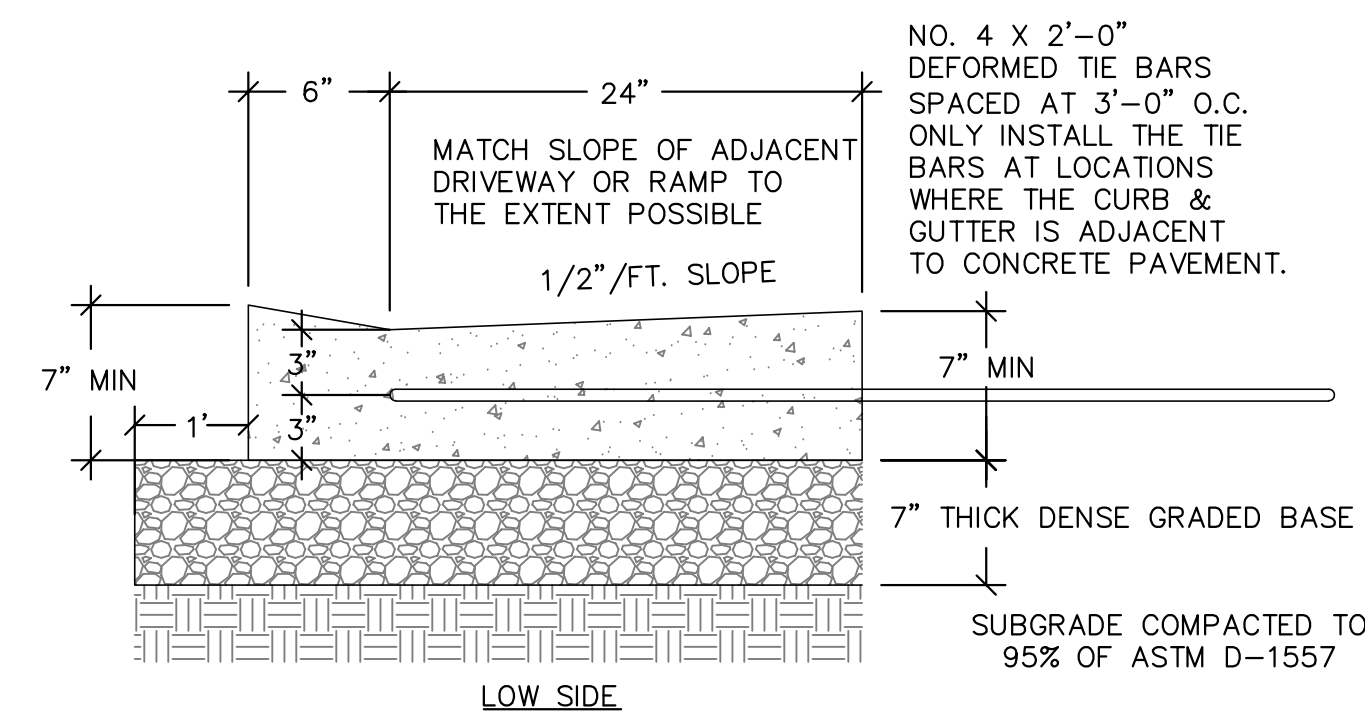
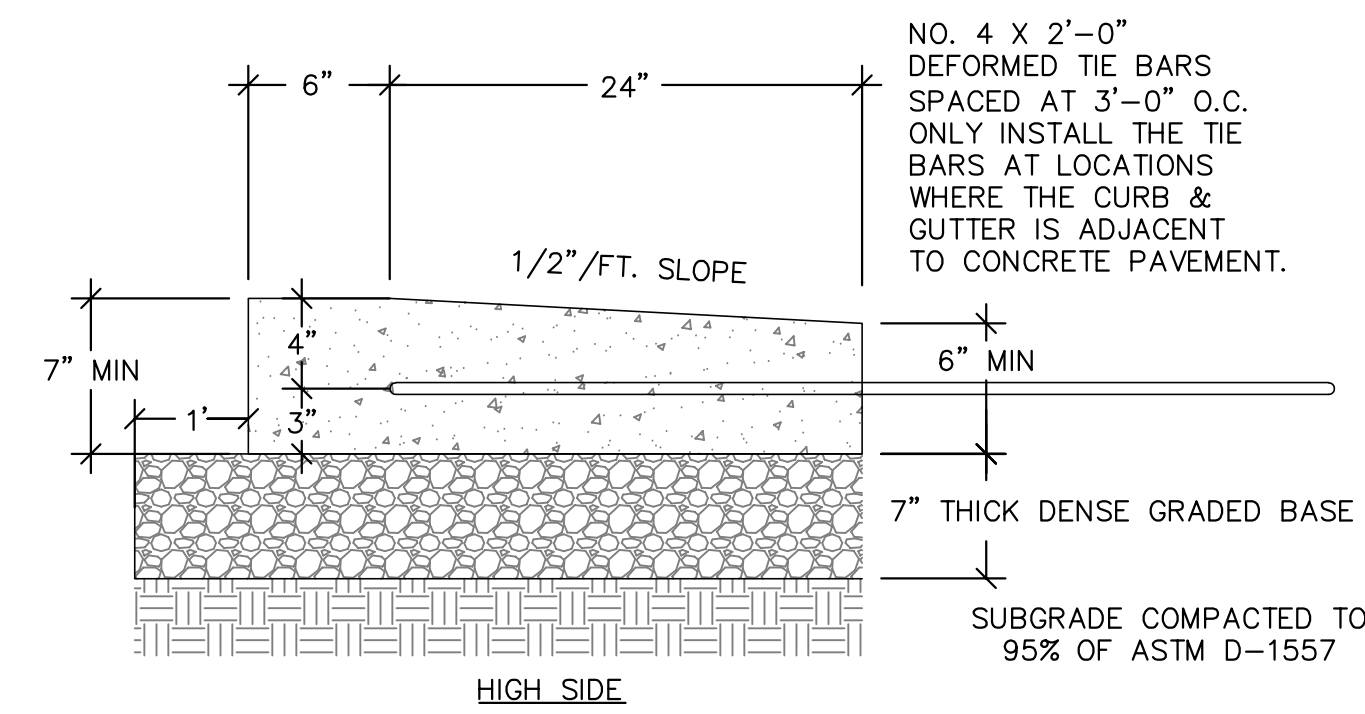


8 18-INCH DEPRESSED CONCRETE CURB & GUTTER
N.T.S.



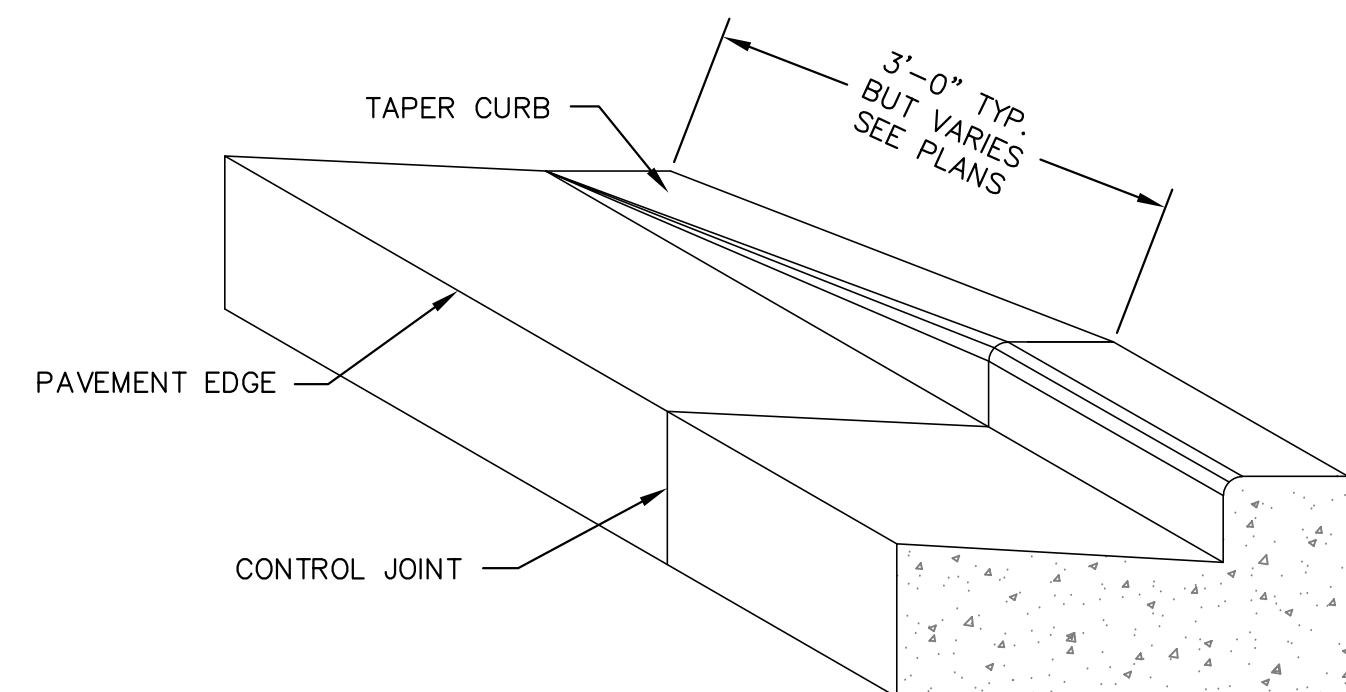
*CURB HEIGHT MAY VARY. SEE SITE GRADING PLAN FOR EXACT CURB HEIGHTS. CONTACT ENGINEER WITH ANY QUESTIONS THAT ARISE.

9 30-INCH BARRIER CONCRETE CURB & GUTTER
N.T.S.

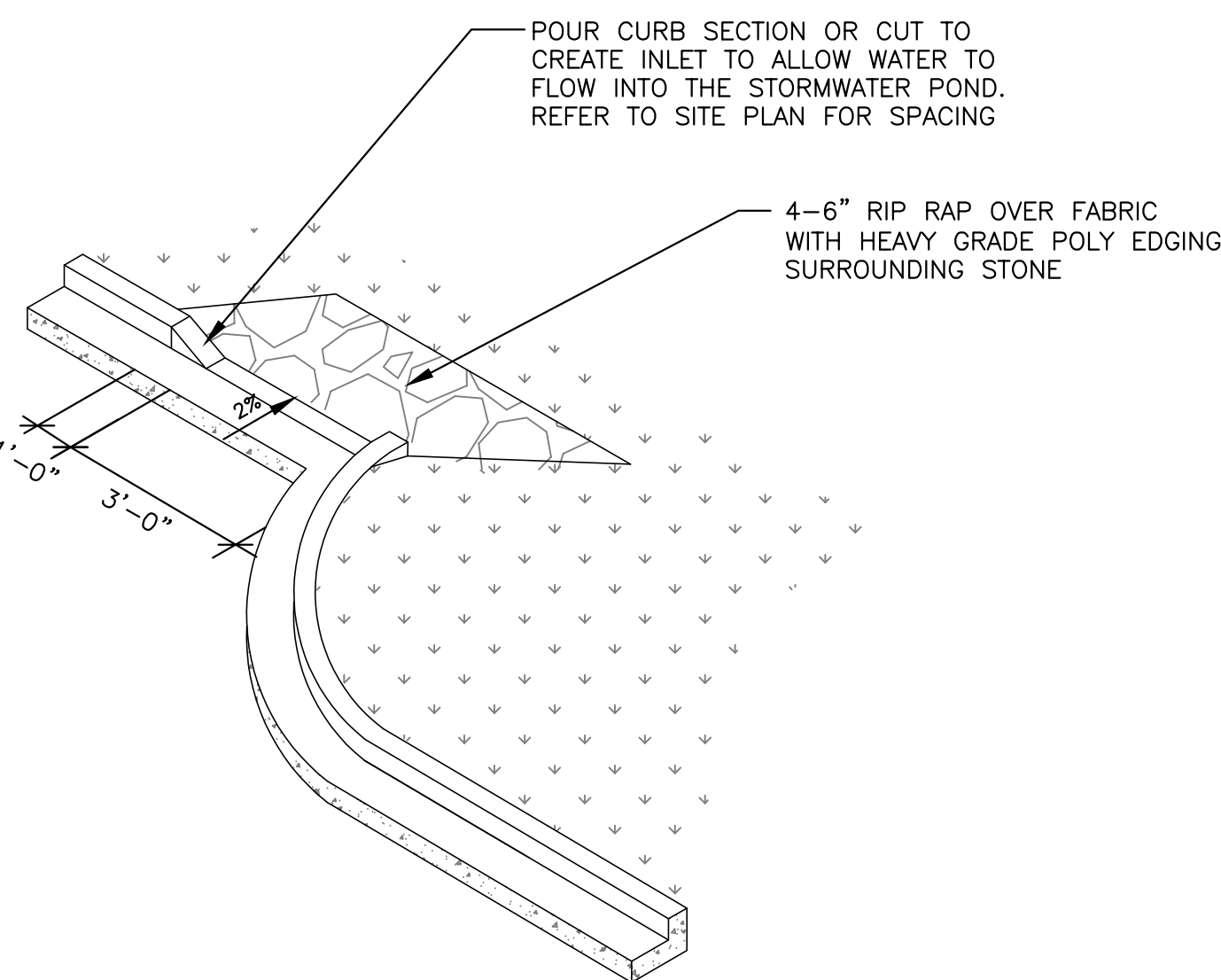


*CURB HEIGHT MAY VARY. SEE SITE GRADING PLAN FOR EXACT CURB HEIGHTS. CONTACT ENGINEER WITH ANY QUESTIONS THAT ARISE.

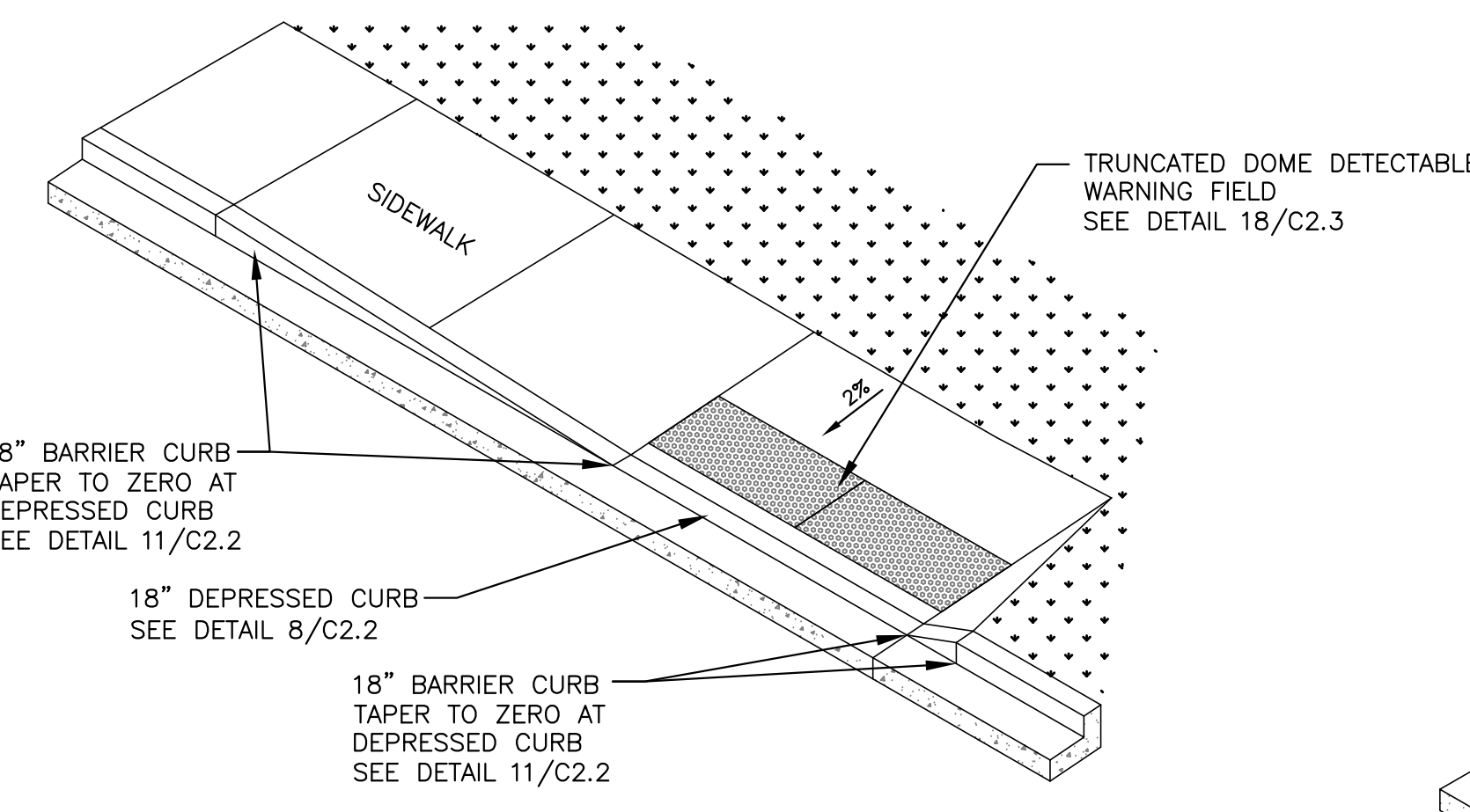
10 30-INCH DEPRESSED CONCRETE CURB & GUTTER
N.T.S.



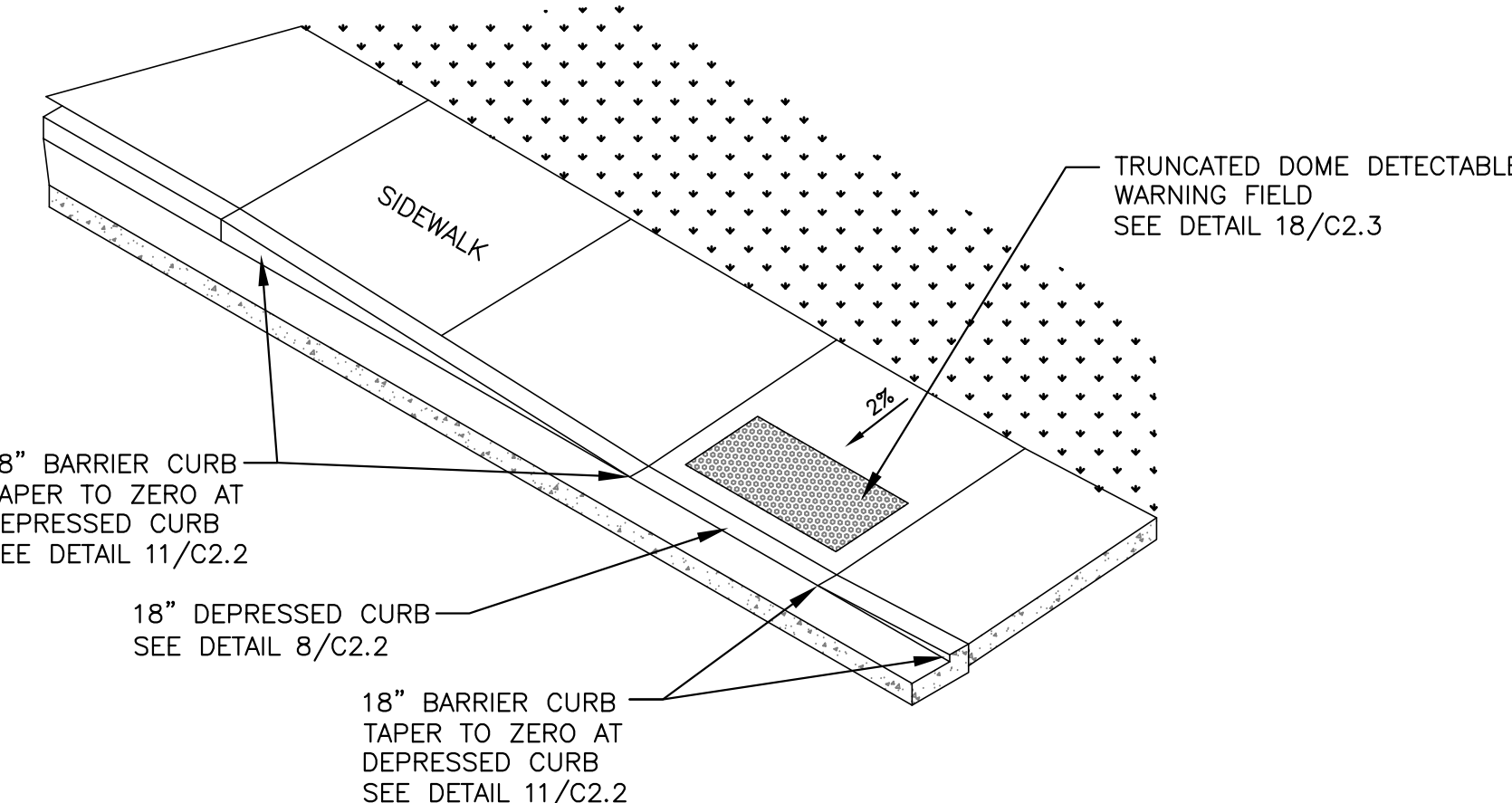
11 CONCRETE CURB & GUTTER TRANSITION TO ZERO-FACE CURB
N.T.S.



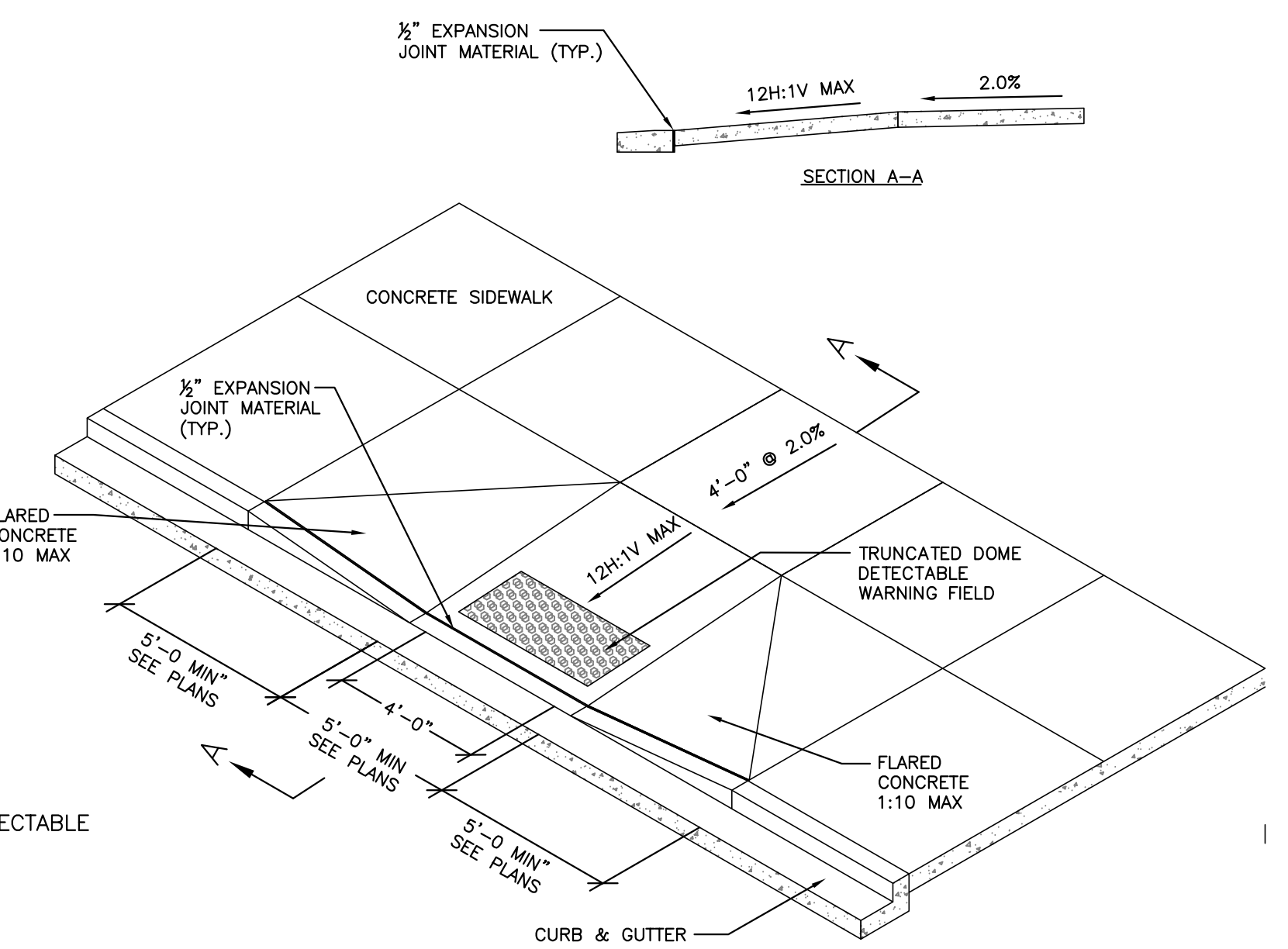
12 CURB CUT DETAIL WITH RIPRAP
N.T.S.



13 ADA WALK ACCESS
N.T.S.



14 ADA WALK ACCESS
N.T.S.



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

6/21/2019 10:49:10 AM BIM 305/3351 - Waukesha SD\3351_Waukesha SD_20161212_ARCH RTR.rvt



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REVISIONS:

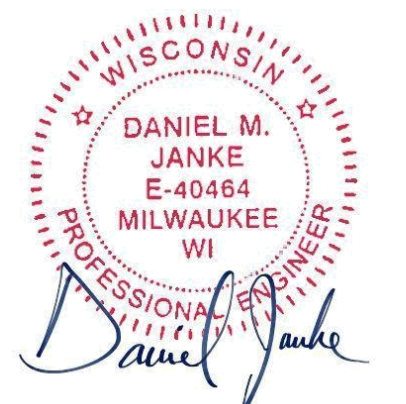
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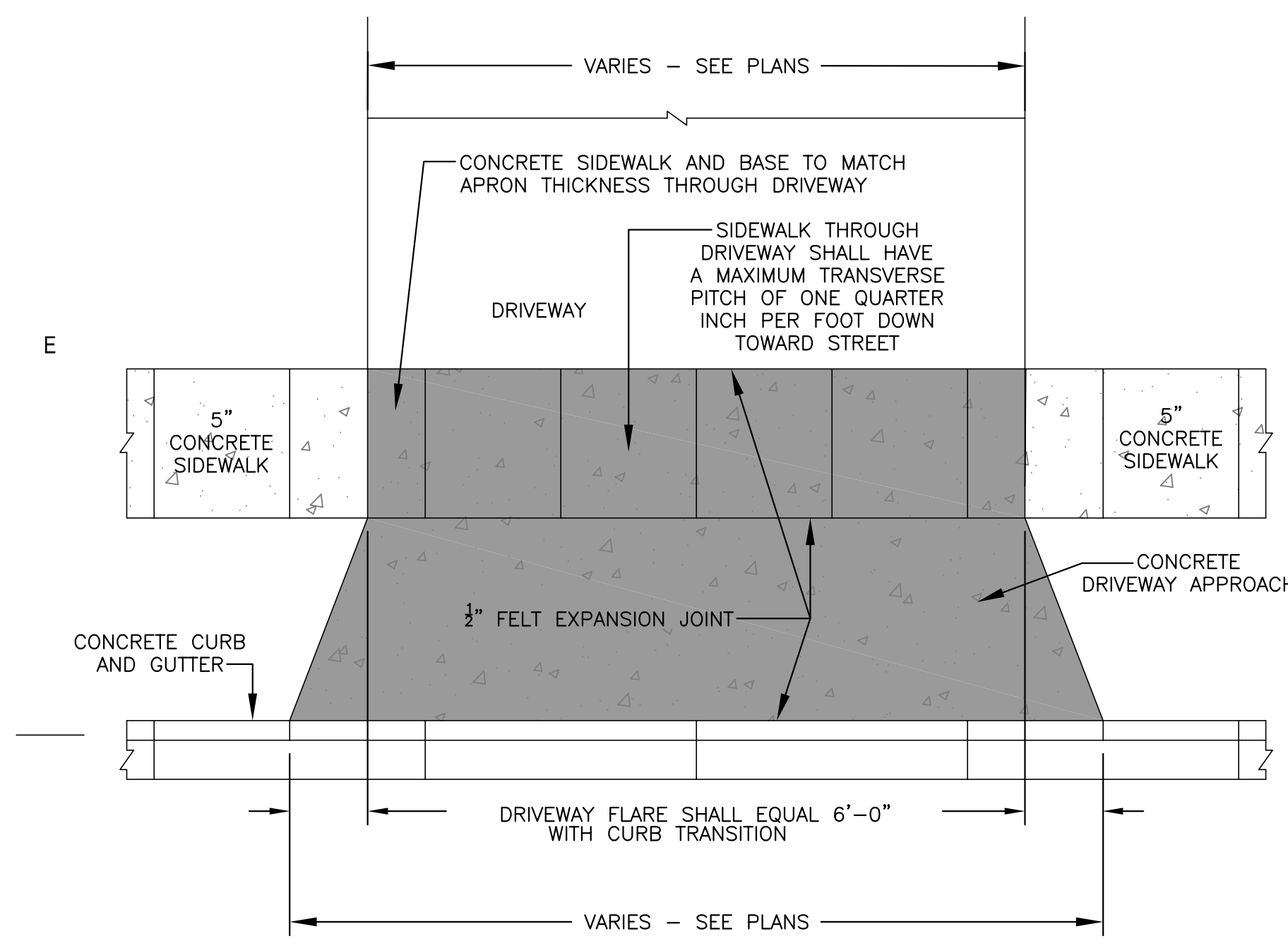
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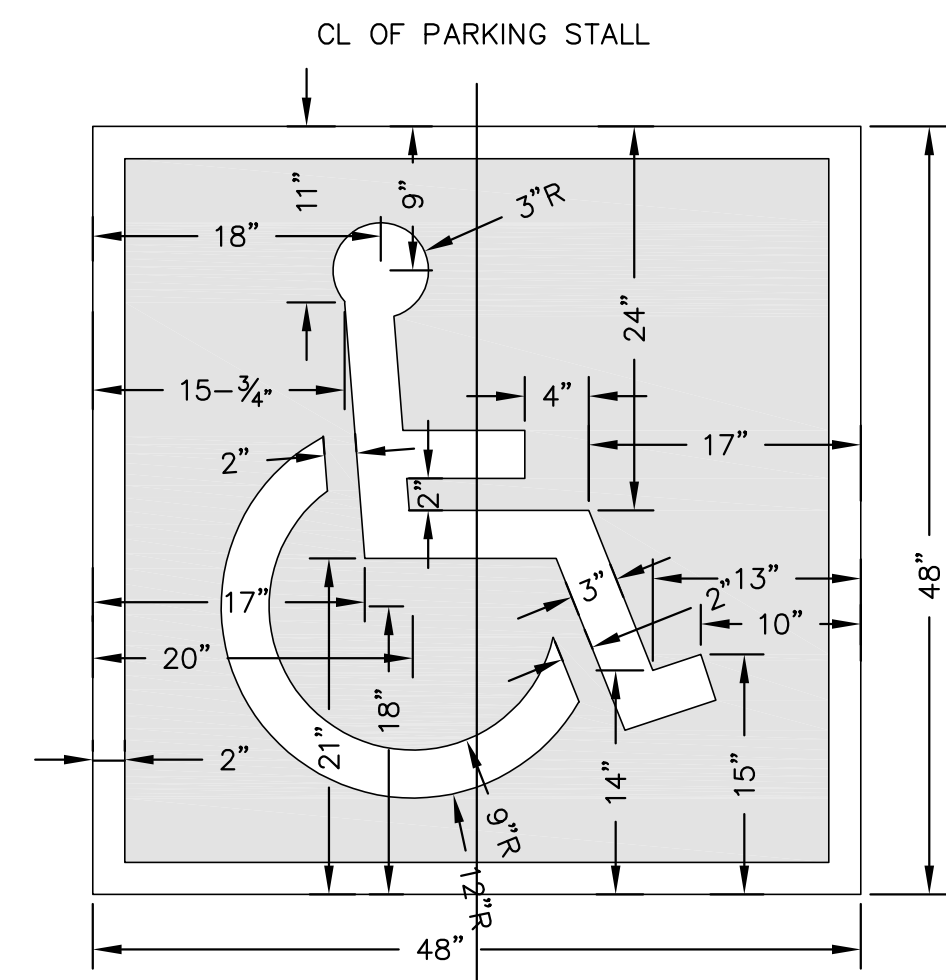


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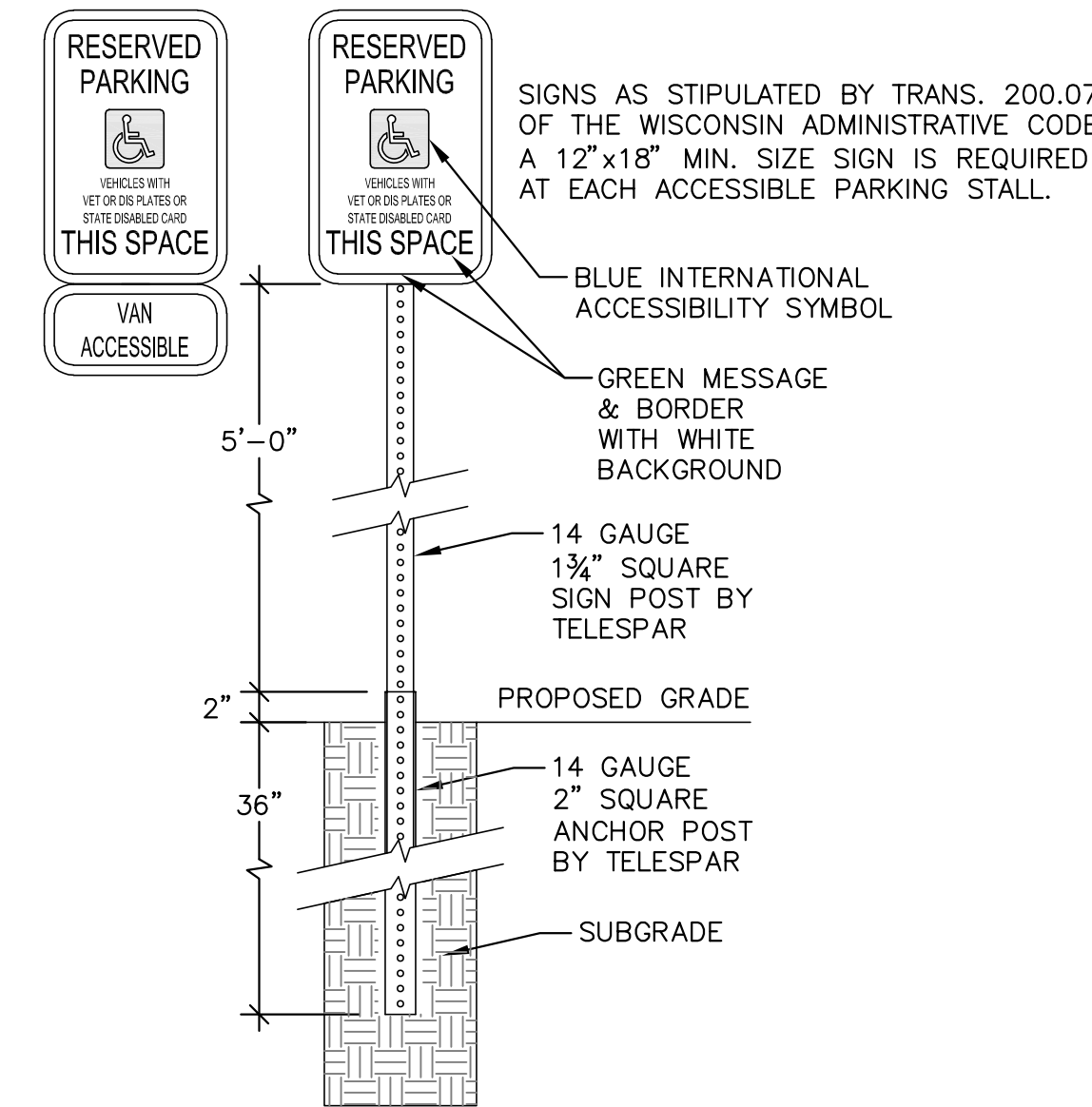
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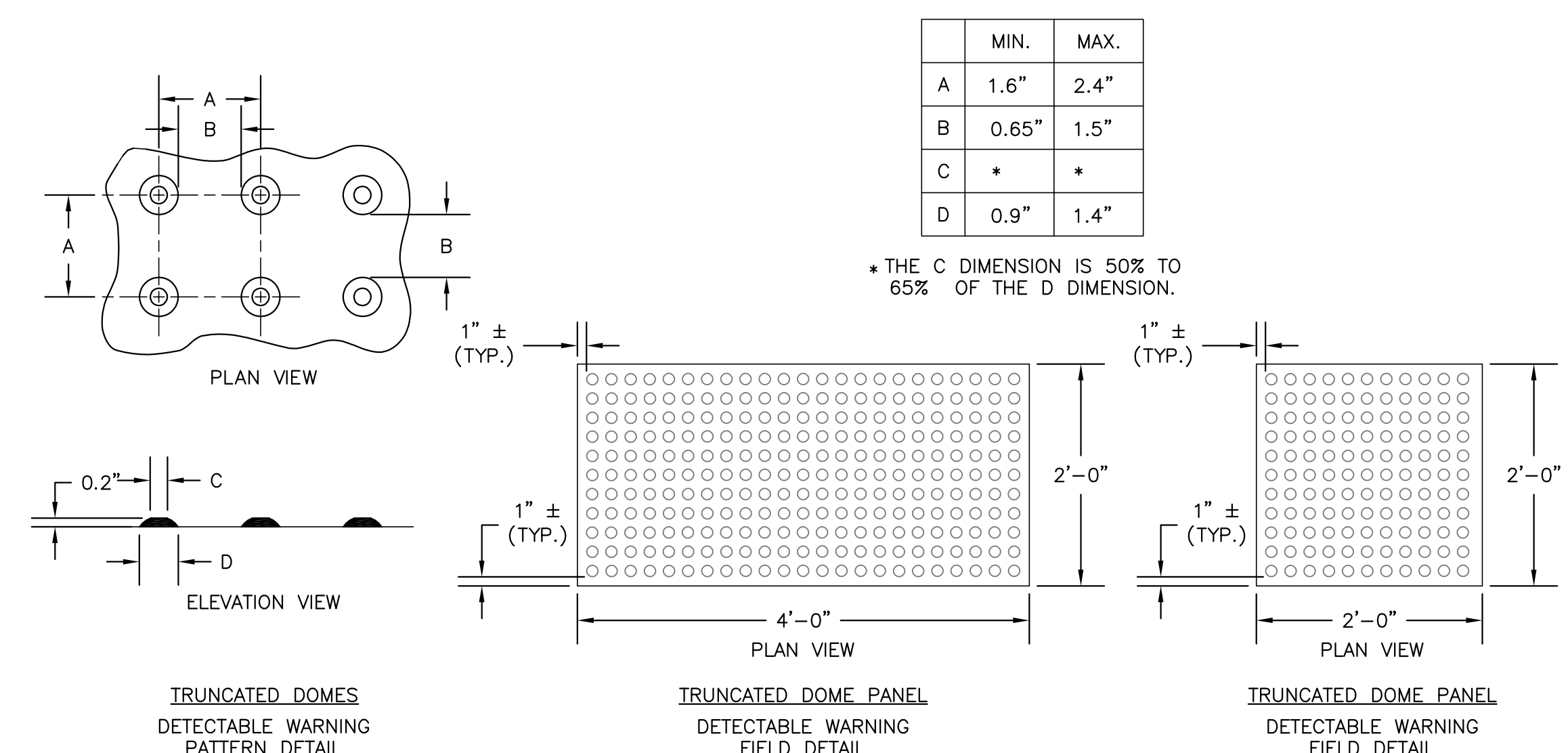
16 STANDARD CONCRETE DRIVEWAY
N.T.S.



17 INTERNATIONAL ACCESSIBILITY SYMBOL FOR PARKING STALLS
N.T.S.

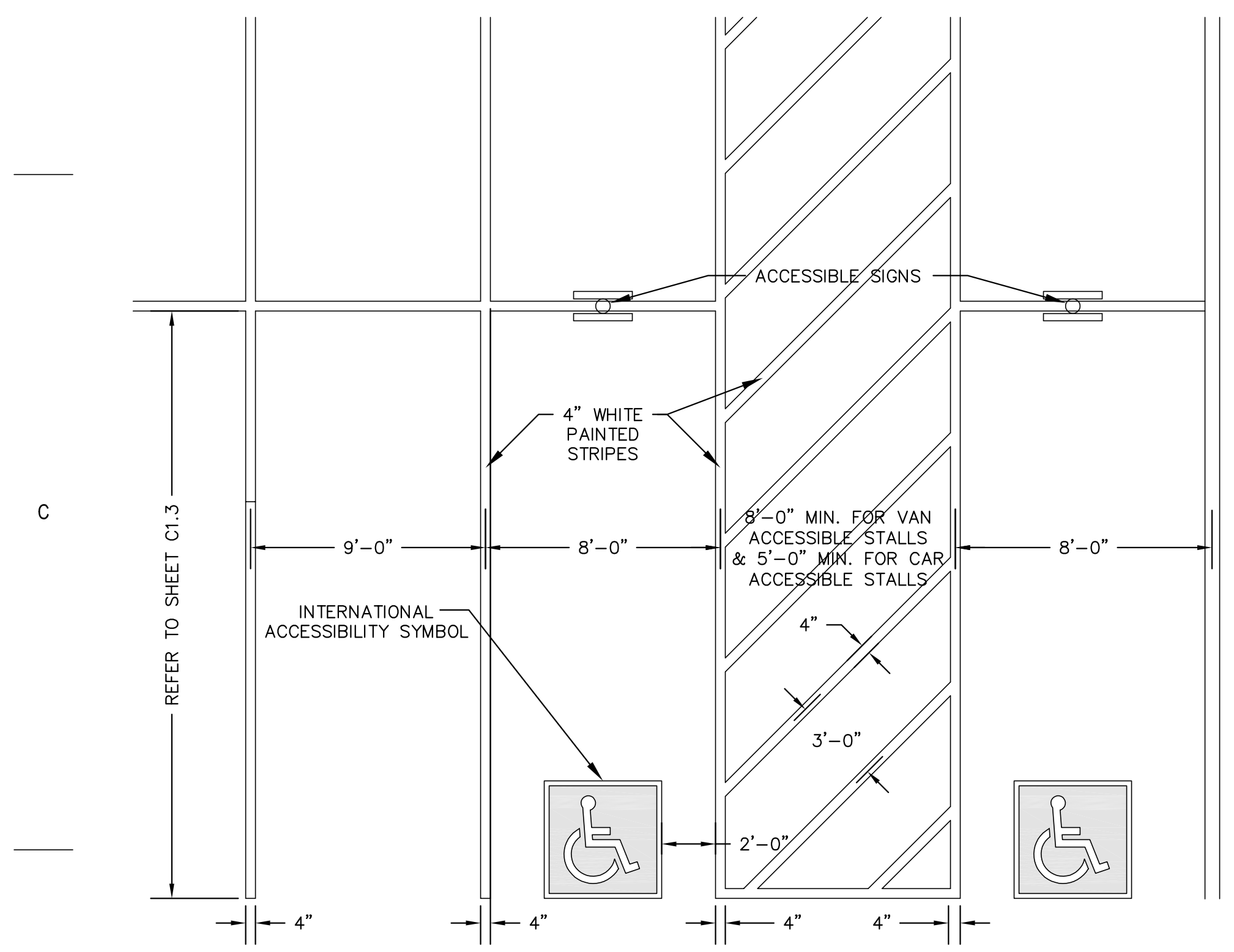


18 ACCESSIBLE PARKING STALL SIGN
N.T.S.

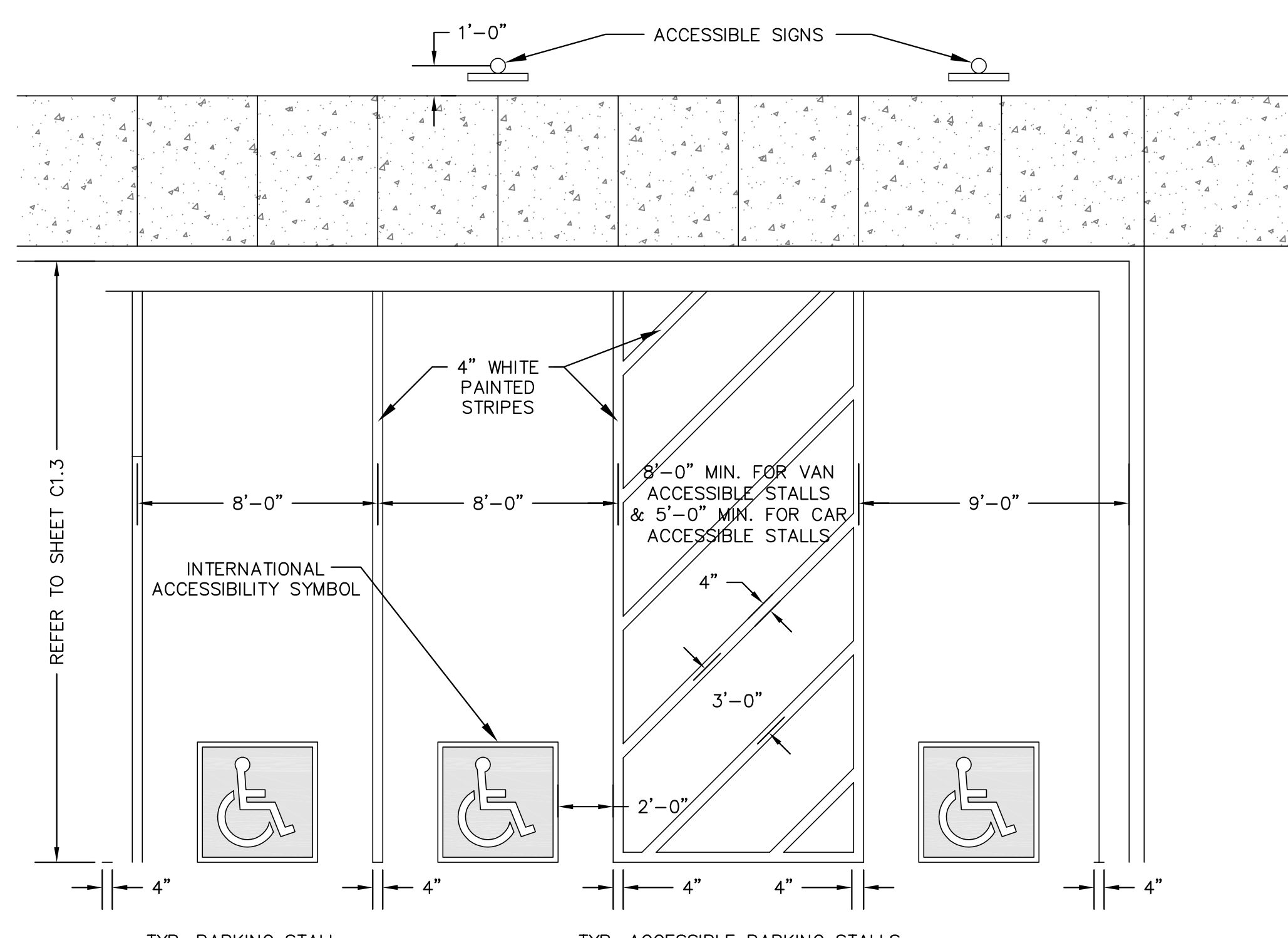


GENERAL NOTES
TRUNCATED DOME DETECTABLE WARNING FIELD SHALL CONSIST OF CAST IRON PLATES WITH NO COLOR, SUCH AS THOSE MANUFACTURED BY NEENAH FOUNDRY. PLATES SHOULD WEATHER TO A RUST COLOR OVER TIME. USE 24"x48" PLATES OR 24"x24" PLATES. THE DETECTABLE WARNING FIELD SHALL BE LOCATED SO THAT IT IS CENTERED IN THE CURB RAMP WITH THE EDGE NEAREST THE BACK OF CURB A MINIMUM OF 6" AND A MAXIMUM OF 8" AWAY FROM THE BACK OF CURB. IN LOCATIONS WHERE THE RAMP IS SKEWED TO THE CURB, THE DETECTABLE WARNING FIELD IS TO RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL, WITH THE EDGE NEAREST THE BACK OF CURB 4" AWAY FROM THE BACK OF CURB.

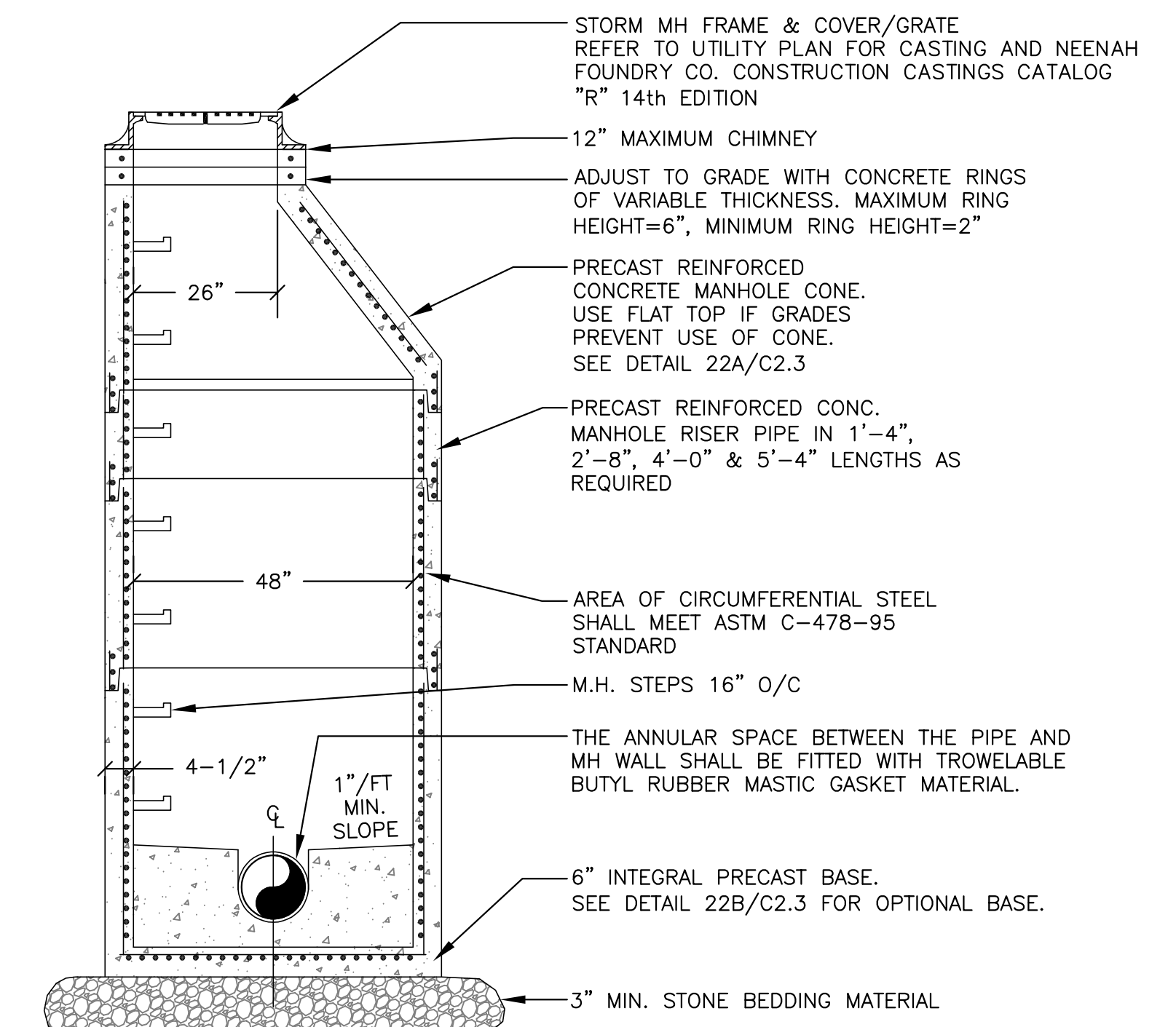
19 TRUNCATED DOME DETECTABLE WARNING FIELD
N.T.S.



20 ACCESSIBLE PARKING STALL MARKING
N.T.S.

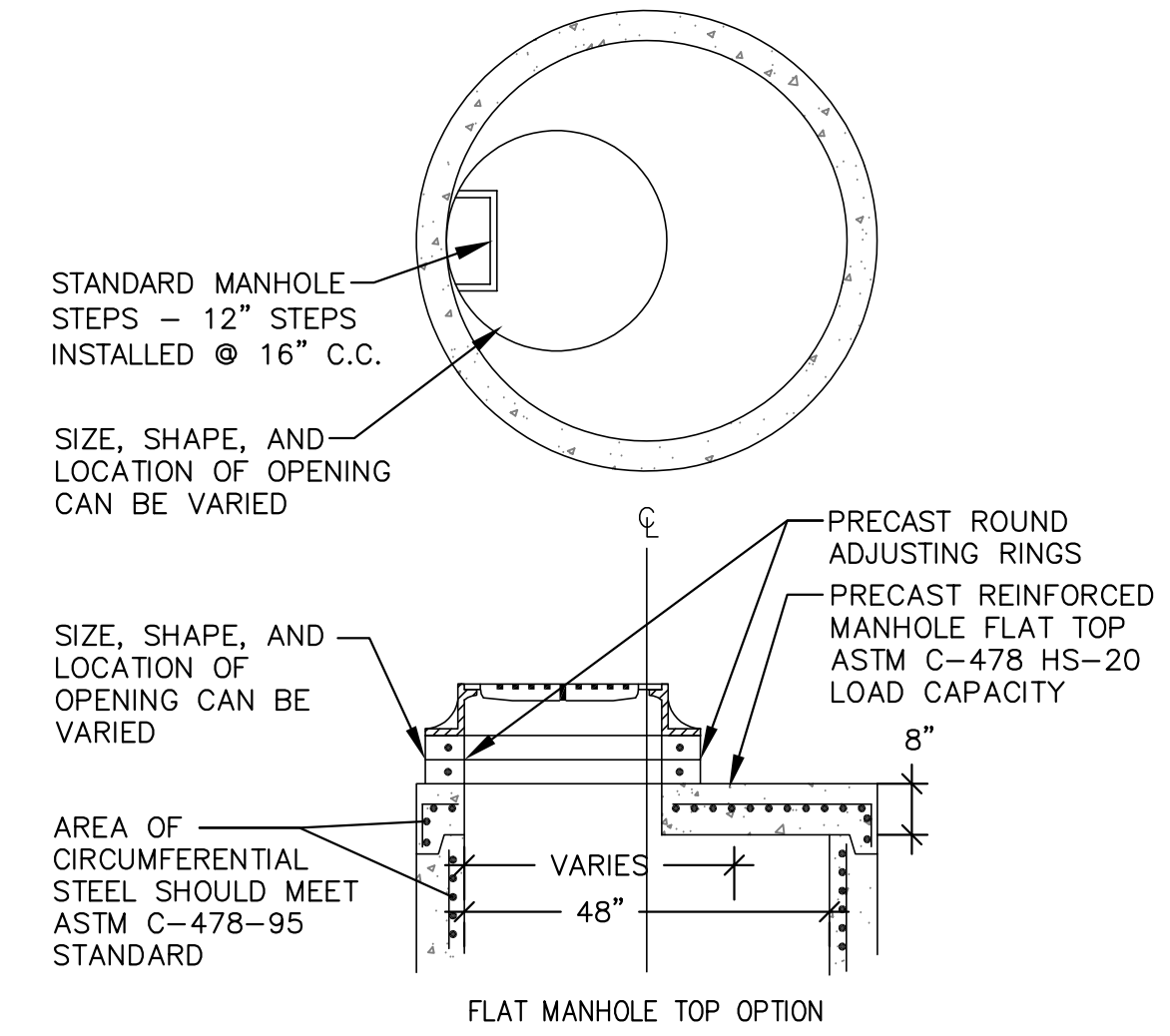


21 ACCESSIBLE PARKING STALL MARKING
N.T.S.

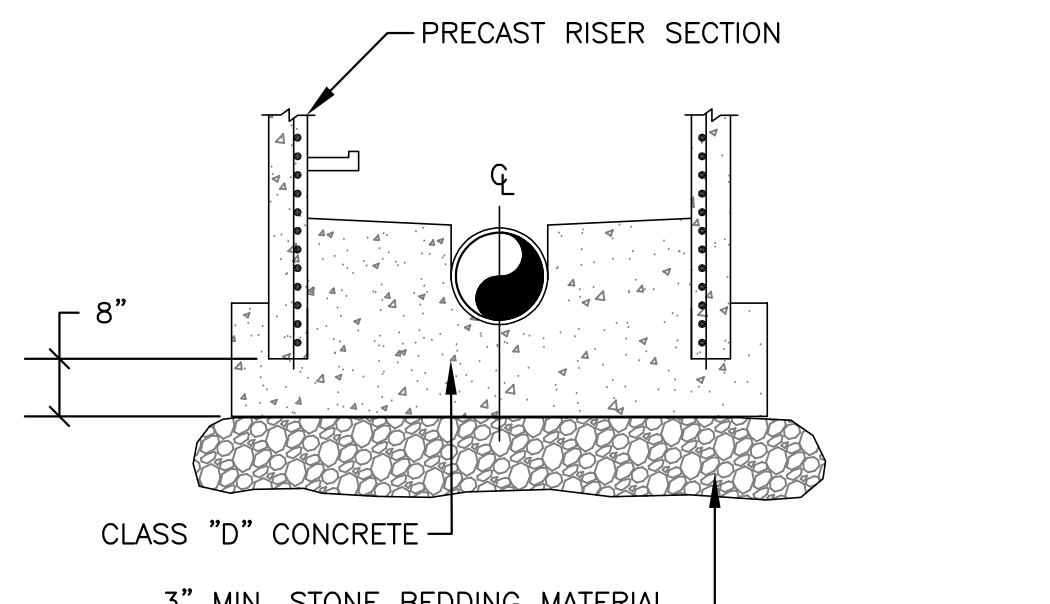


STORM MANHOLE NOTES:
1.) PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
2.) CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
3.) JOINTS 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.

22 STORM MANHOLE DETAIL
N.T.S.

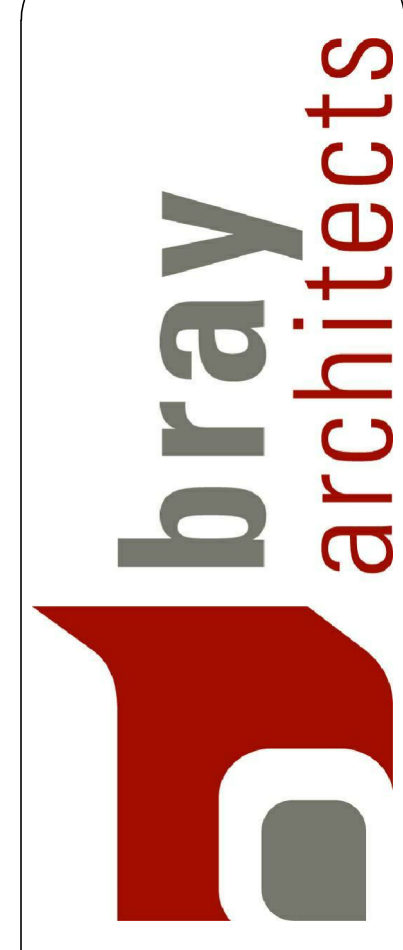


22A OPTIONAL FLAT TOP MANHOLE WITH ROUND FRAME & COVER
N.T.S.



22B OPTIONAL POURED MANHOLE BASE FOR MANHOLES
N.T.S.

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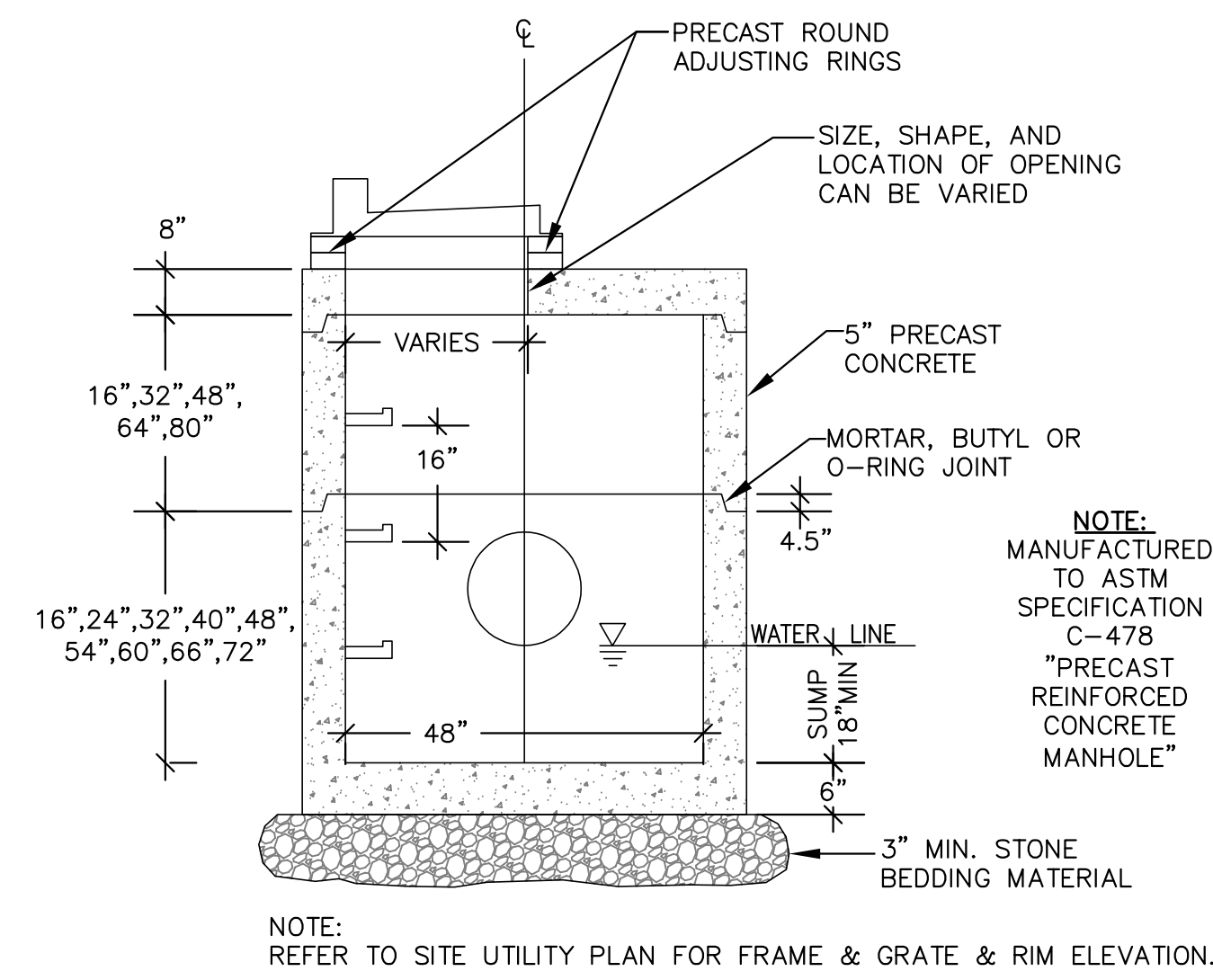
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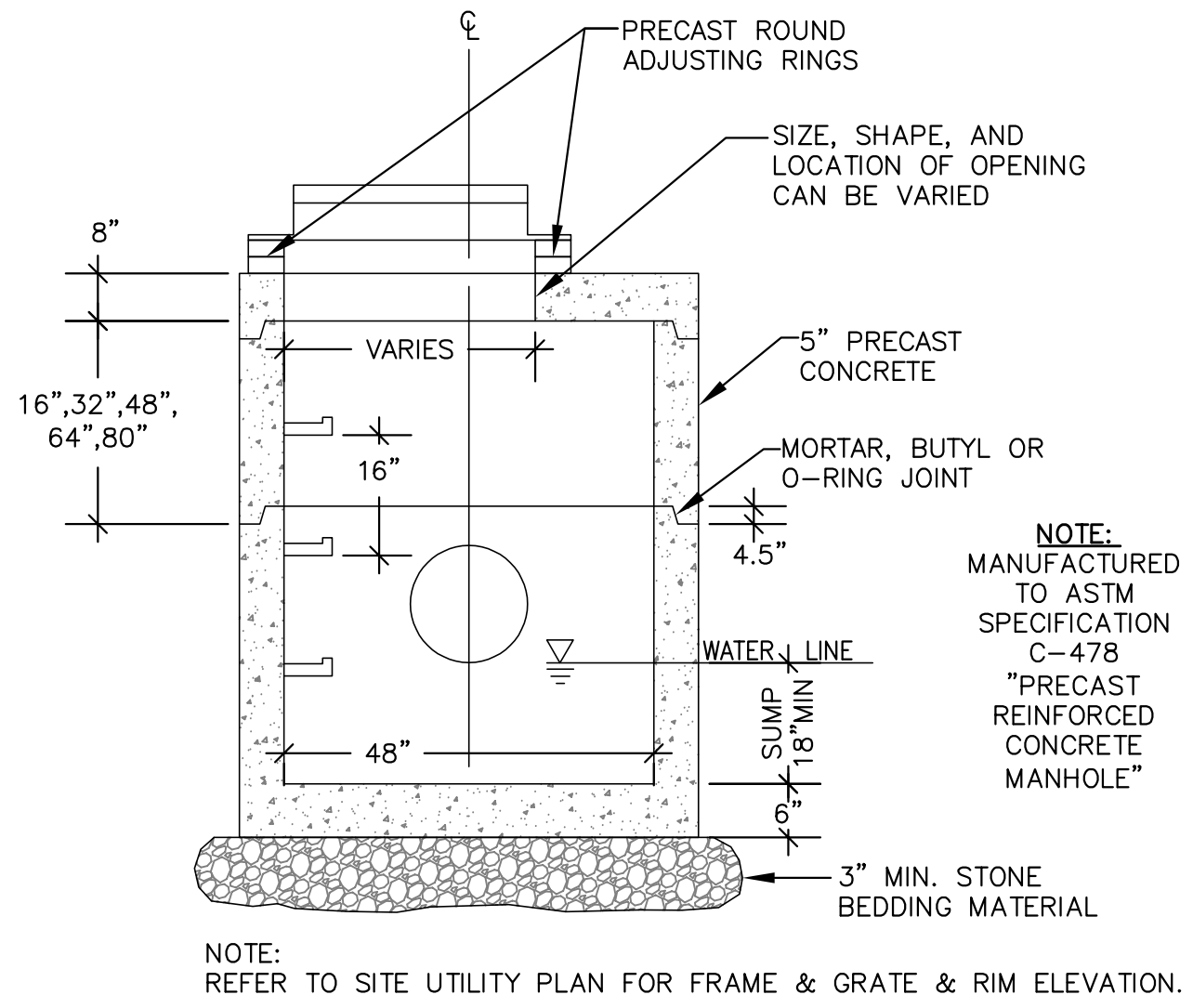
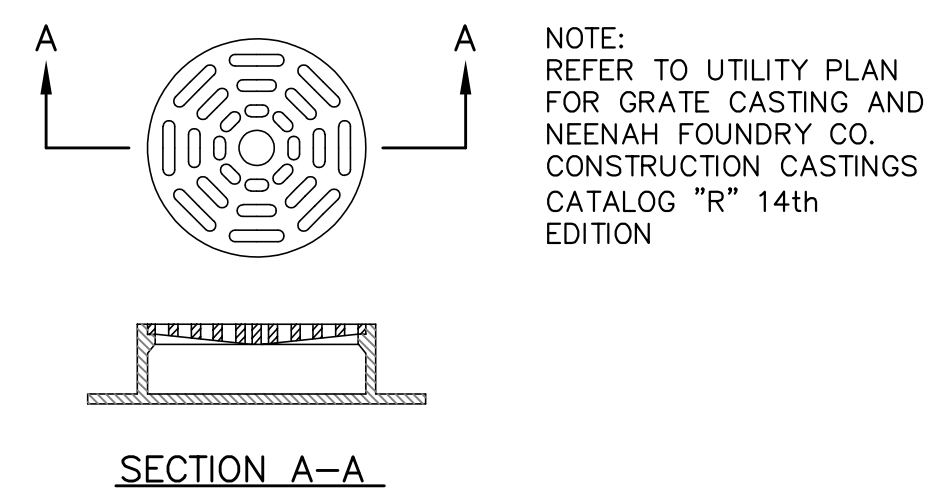
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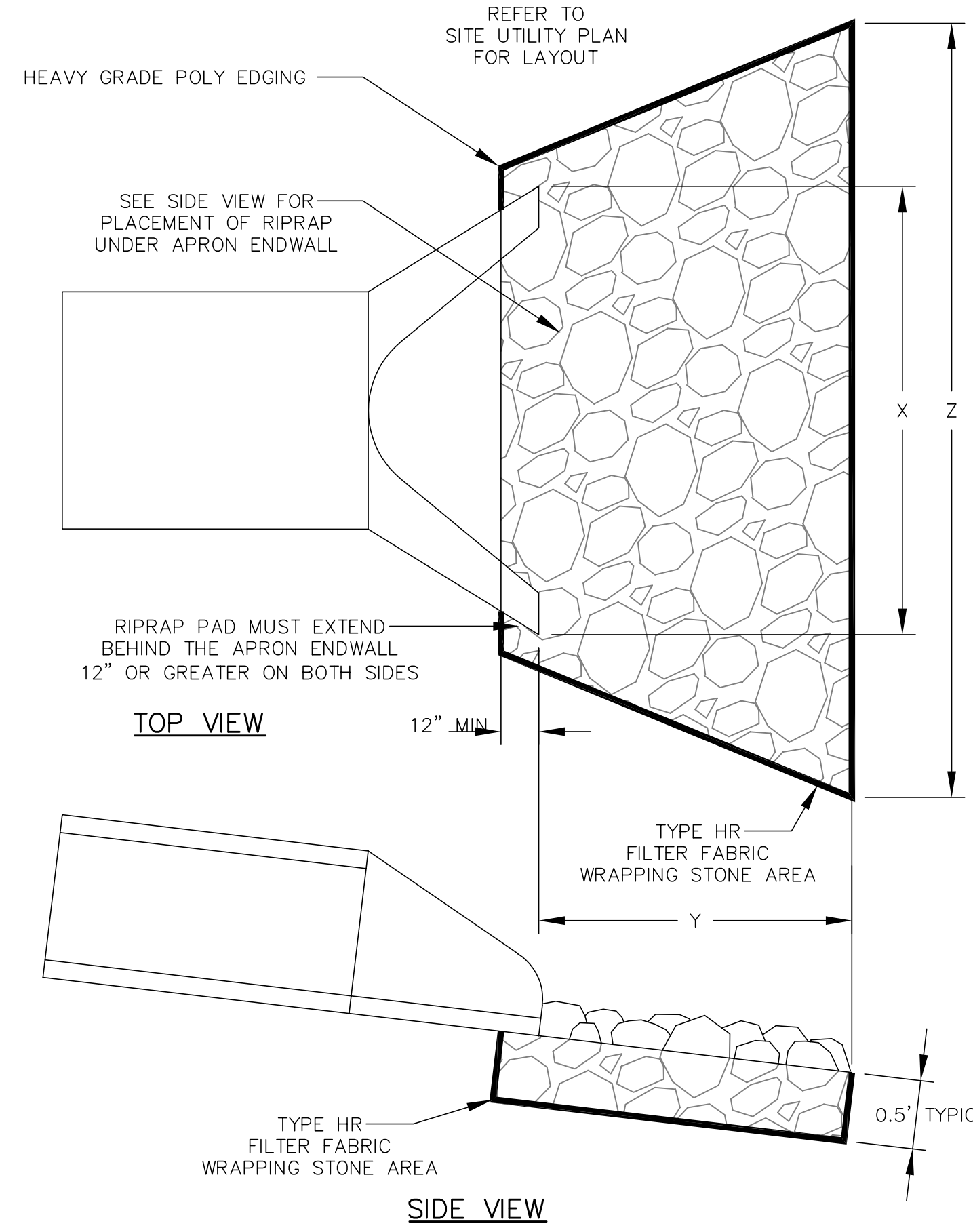
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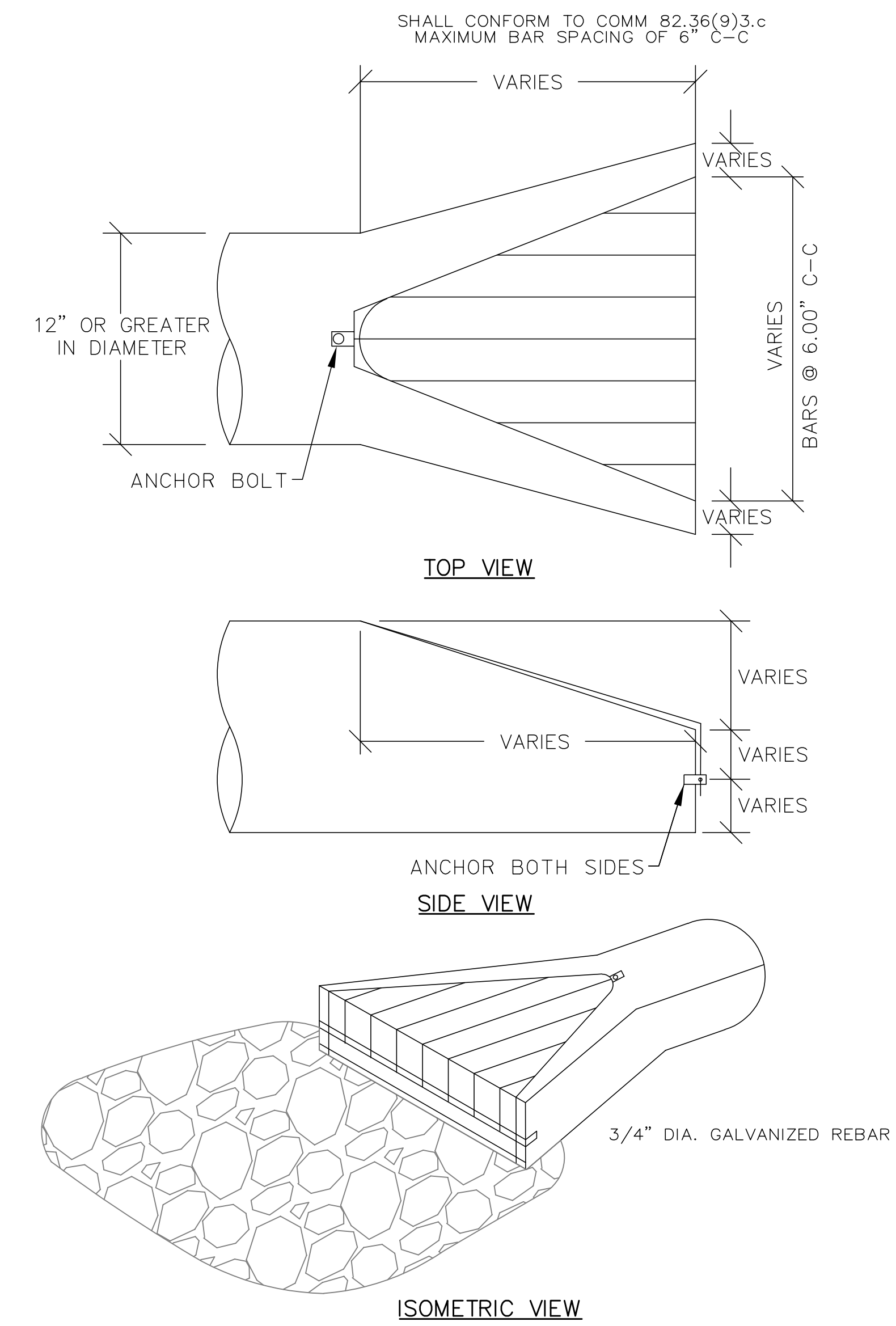
23 48-INCH DIAMETER STORM CATCH BASIN WITH CURB BOX FRAME & GRATE
N.T.S.



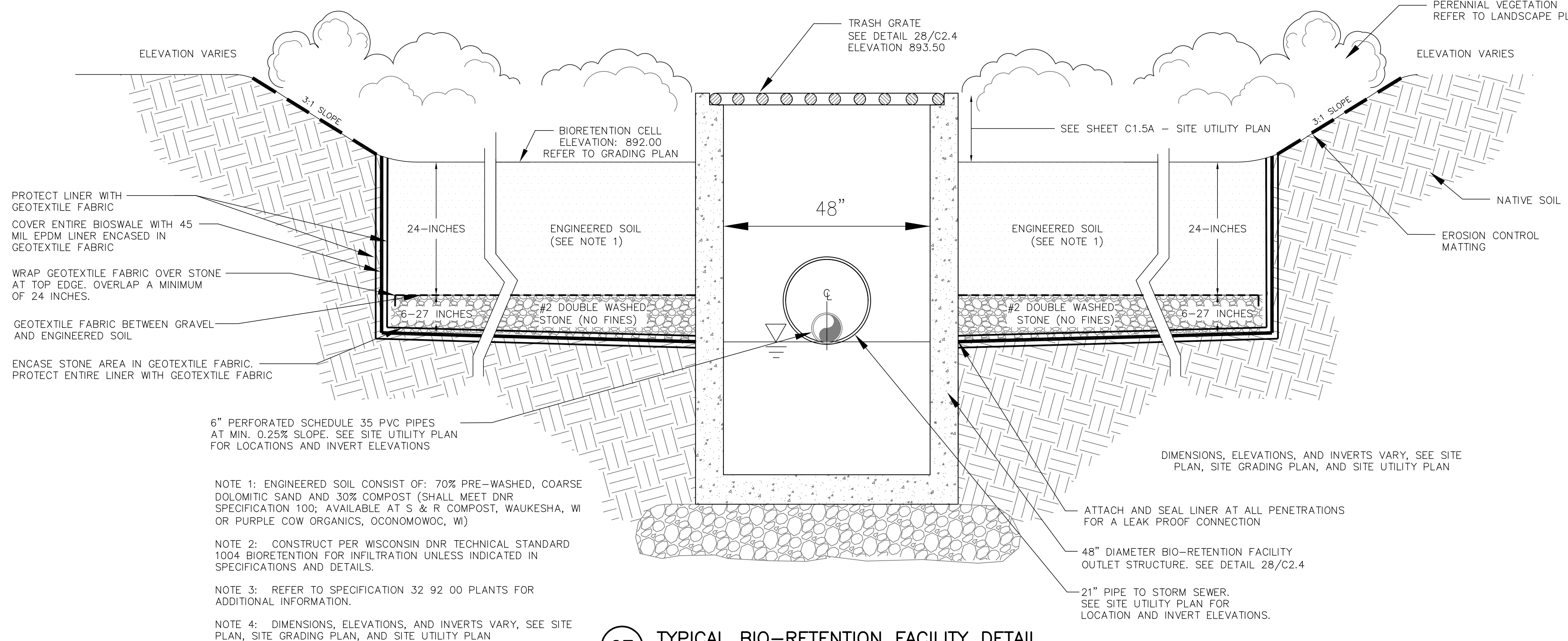
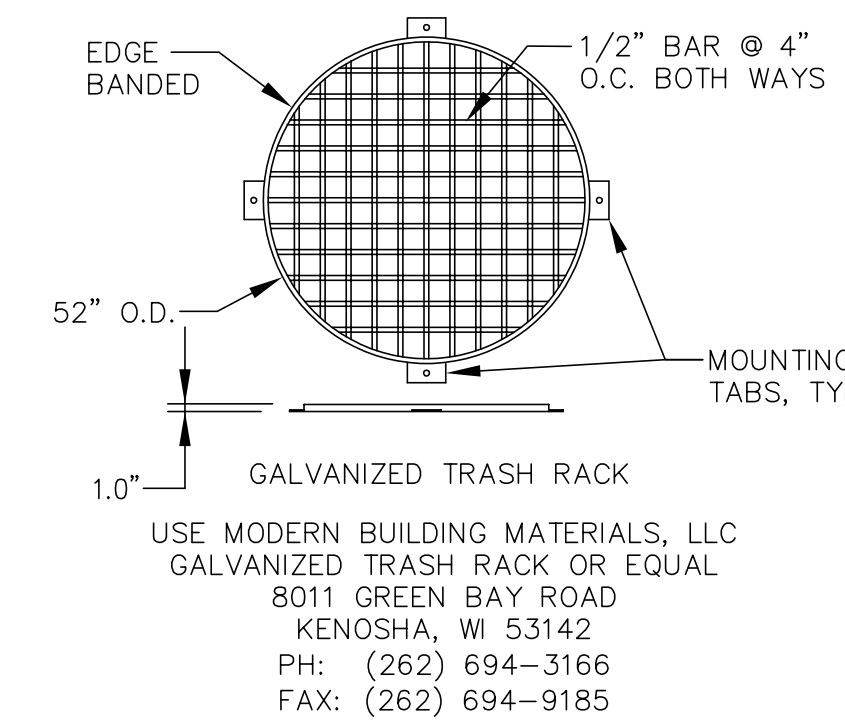
24 48-INCH DIAMETER STORM CATCH BASIN WITH ROUND FRAME & GRATE
N.T.S.



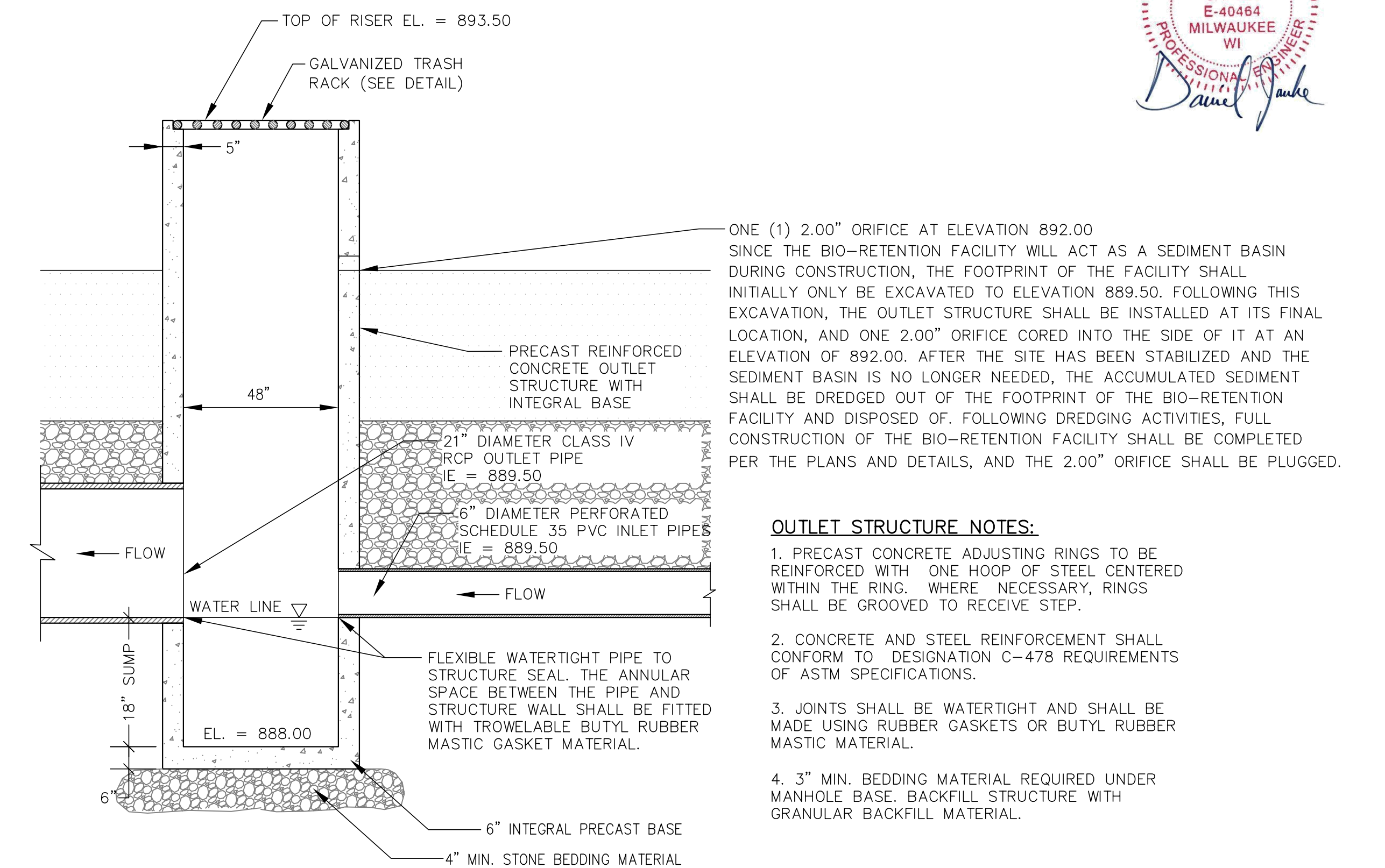
25 TYPICAL PLACEMENT OF RIPRAP AT APRON ENDWALLS
N.T.S.



26 TRASH GUARD AT RCP APRON ENDWALLS
N.T.S.



27 TYPICAL BIO-RETENTION FACILITY DETAIL
N.T.S.



28 48-INCH DIAMETER BIO-RETENTION FACILITY OUTLET STRUCTURE
N.T.S.

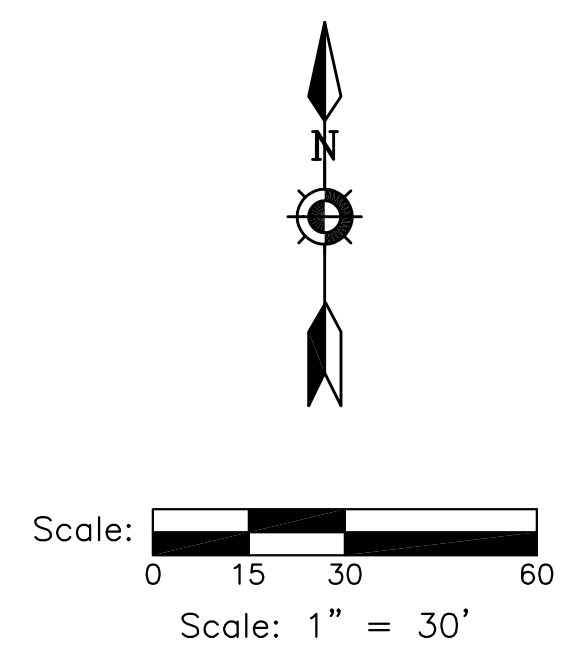
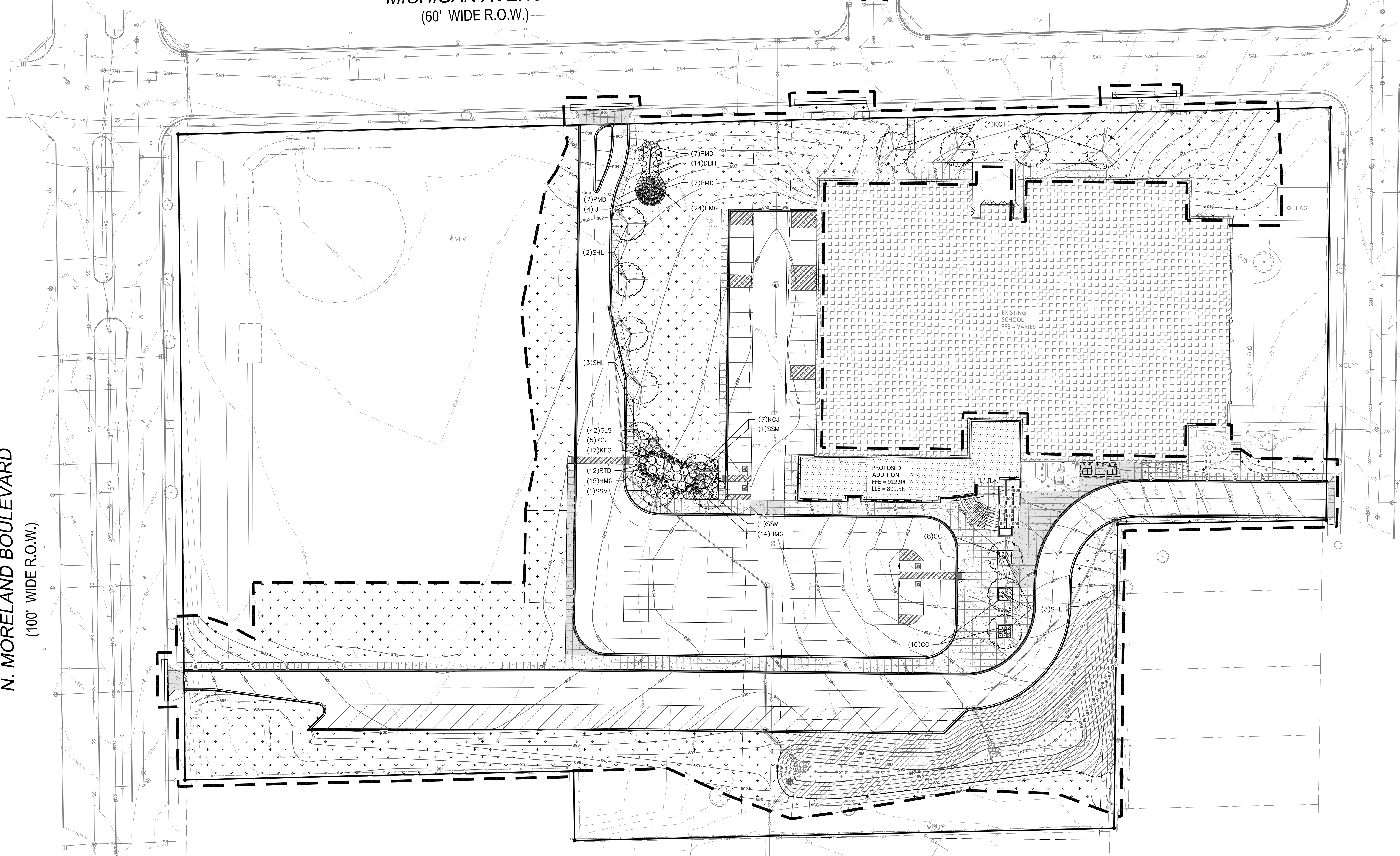
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N. MORELAND BOULEVARD
 (100' WIDE R.O.W.)

MICHIGAN AVENUE
 (60' WIDE R.O.W.)

KIMBERLY DRIVE

N. HINE AVENUE
 (60' WIDE R.O.W.)



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REVISIONS:	DATE	DESCRIPTION

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Project Number:
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SITE LANDSCAPE PLAN

Sheet Number:
L1.1

Plant Schedule

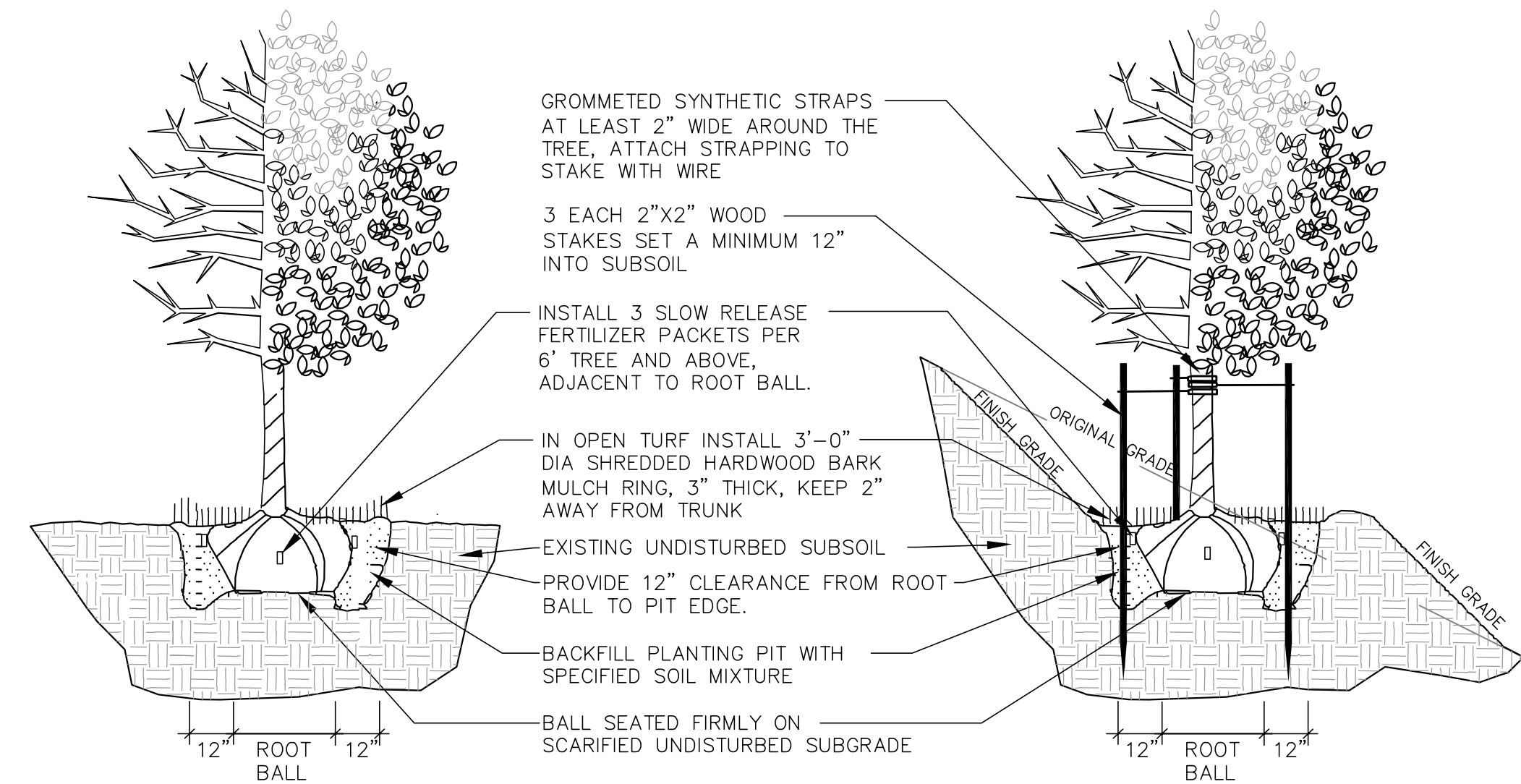
Scientific Name	Common Name	Quantity	Spacing	Install Size	
Deciduous Trees					
KCT	Gymnocladus dioicus - MALE SPECIES	Kentucky Coffee Tree - MALE SPECIES	4	Per Plan	2.5" caliper B&B
SHL	Gleditsia triacanthos 'Shademaster'	Shademaster Honeylocust	8	Per Plan	2.5" caliper B&B
SSM	Acer miyabei 'Morton'	State Street Maple	3	Per Plan	2.5" caliper B&B
Evergreen Shrubs					
IJ	Juniperus chinensis 'Iowa'	Iowa Juniper	4	Per Plan	5' B&B
KCJ	Juniperus x pfitzeriana 'Kallay's Compact'	Kallay Compact Juniper	12	Per Plan	#5 cont.
Deciduous Shrubs					
CC	Cotoneaster apiculatus	Cranberry Cotoneaster	24	Per Plan	#2 cont.
DBH	Diervilla lonicera 'Jewell'	Jewell Dwarf Bush Honeysuckle	14	Per Plan	#2 cont.
GLS	Rhus aromatica 'Gro-Low'	Gro Low Sumac	42	Per Plan	#2 cont.
RTD	Cornus sericea	Red Twig Dogwood	12	Per Plan	3' B&B
Perennials					
HMG	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	53	Per Plan	#1 cont.
KFG	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Grass	17	Per Plan	#1 cont.
PMD	Heemerocallis 'Pardon Me'	Pardon Me Daylily	21	Per Plan	#1 cont.

NOTE: Installation contractor is responsible for verifying plant count from plan. Plan quantities take precedence over list.

1 LANDSCAPE SCHEDULE

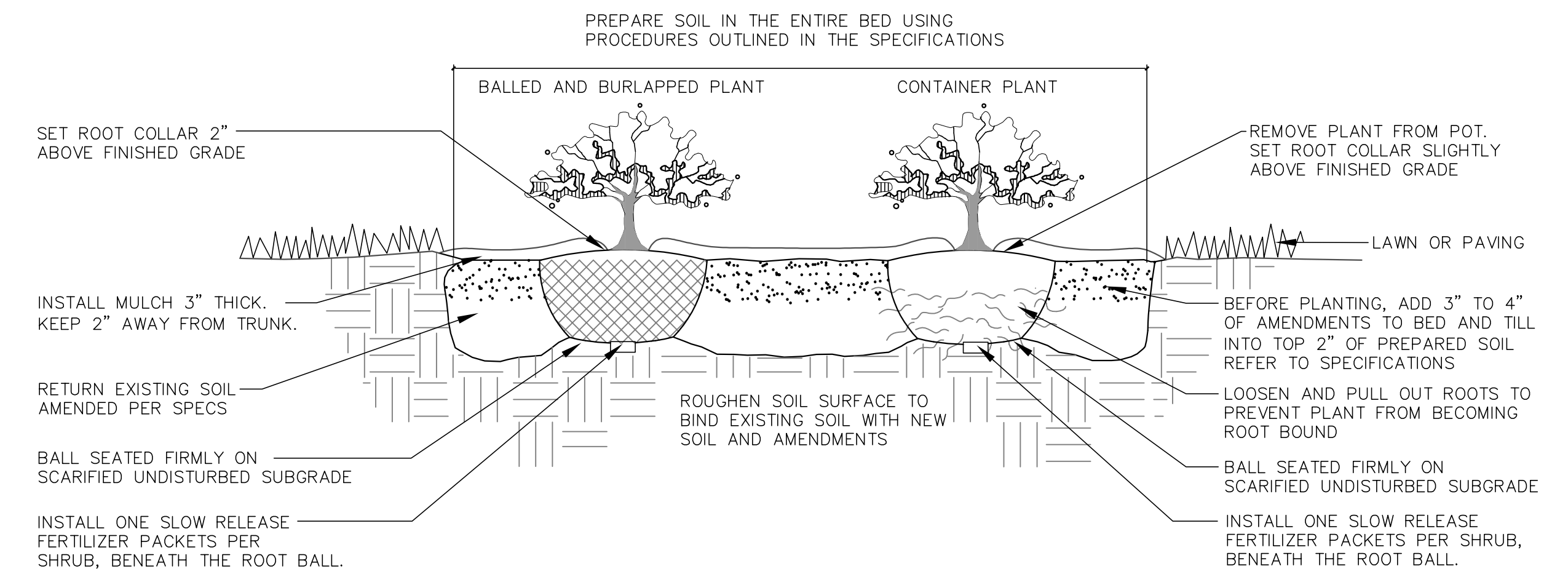
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

PLANNING NOTES:
 PARKING LOT PAVED AREA: 40,150 S.F.
 REQUIRED PLANTING AREA (5.0%): 2,007.5 S.F.
 PROVIDED ISLANDS AND PENINSULAS: 2,015 S.F.



3 DECIDUOUS TREE PLANTING, STAKING, & PLANTING ON A SLOPE

N.T.S.



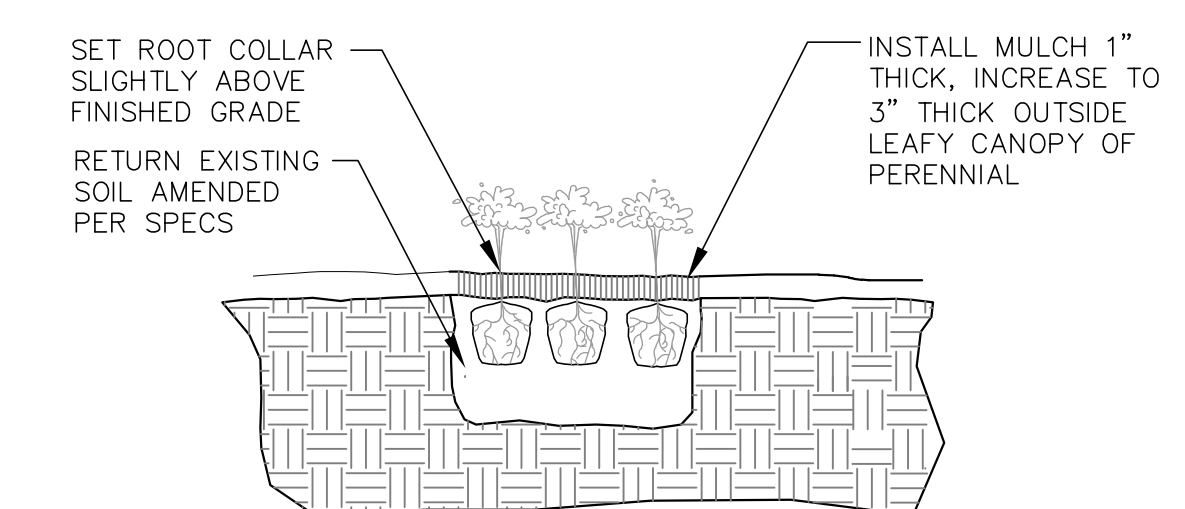
4 DECIDUOUS & EVERGREEN SHRUB PLANTING

N.T.S.

- 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.
- BARK MULCH TO BE FRESHLY ACQUIRED HARDWOOD SHREDDED BARK MULCH. NOT 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.
- ALL PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH OVER TYPAR WEED FABRIC 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 ADJUT 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.
- 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



5 PERENNIAL PLANTING

N.T.S.

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Project Title:
**Addition and Remodeling to:
 Butler Middle School
 School District of Waukesha
 310 N. Hine Ave., Waukesha, WI 53188**

REVISIONS:
 DATE DESCRIPTION

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