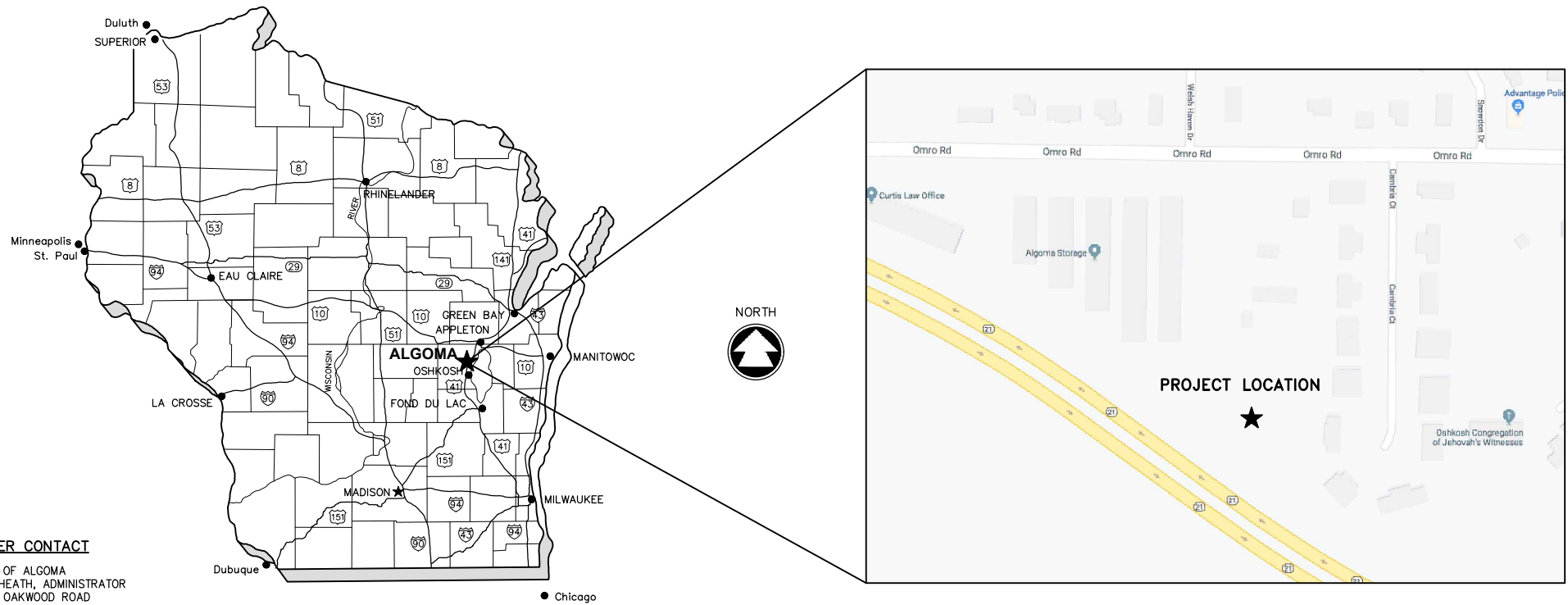


JONES POND TOWN OF ALGOMA

WINNEBAGO COUNTY, WISCONSIN
MCM # A0018 9-19-00711
CONTRACT # A0018 9-19-00711



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JAN, 2020
PROJECT NO.
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STANDARD ABBREVIATIONS

AC	ACRE	LT	LEFT
AGG	AGGREGATE	LVC	LENGTH OF VERTICAL CURVE
AH	AHEAD	MAINT	MAINTENANCE
ASPH	ASPHALT PAVEMENT	MATL	MATERIAL
AVG	AVERAGE	MAX	MAXIMUM
B-B	BACK TO BACK	MIN	MINIMUM
BEG	BEGIN	MH	MANHOLE
BIT	BITUMINOUS	MP	MILE POST
BK	BACK	NB	NORTHBOUND
B/L	BASE LINE	NO	NUMBER
BLDG	BUILDING	NOR	NORMAL
BM	BENCH MARK	OD	OUTSIDE DIAMETER
BOC	BACK OF CURB	OBUT	OBUTLERATE
BRG	BEARING	PAVT	PAVEMENT
C-C	CENTER TO CENTER	PC	POINT OF CURVATURE
CY	CUBIC YARD	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
C&G	CURB AND GUTTER	PE	PRIVATE ENTRANCE
CB	CATCH BASIN	PED	PEDESTAL
CE	COMMERCIAL ENTRANCE	PGL	PROFILE GRADE LINE
CHD	CHORD	PI	POINT OF INTERSECTION
C/L	CENTER LINE	P/L	PROPERTY LINE
CL	CLASS (FOR CONC PIPE)	PLE	PERMANENT LIMITED EASEMENT
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
CNO	CLEAN OUT	PRC	POINT OF REVERSE CURVATURE
CONC	CONCRETE	PROP	PROPOSED
CORR	CORRUGATED	PSD	PASSING SIGHT DISTANCE
CP	CONTROL POINT	PSI	POUNDS PER SQUARE INCH
CR	CRUSHED	PT	POINT OF TANGENCY
CS	CURB STOP	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
CSW	CONCRETE SIDEWALK	PV	POINT OF VERTICAL INTERSECTION
CTH	COUNTY TRUNK HIGHWAY	PVT	POINT OF VERTICAL TANGENCY
CULV	CULVERT	R	RADIUS
D	DEPTH OR DELTA	RCP	REINFORCED CONCRETE PIPE
DI	DUCTILE IRON	RD	ROAD
DIA	DIAMETER	REBAR	REINFORCEMENT ROD
DIS	DISCHARGE	REM	REMOVE
EA	EACH	RECON	RECONSTRUCT
EB	EASTBOUND	REQ'D	REQUIRED
EBS	EXCAVATION BELOW SUBGRADE	R/L	REFERENCE LINE
EG	EDGE OF GRAVEL	RP	RADIUS POINT
ELEV	ELEVATION	RR	RAILROAD
ELEC	ELECTRIC	RT	RIGHT
EMB	EMBANKMENT	R/W	RIGHT-OF-WAY
EMAT	EROSION MAT	SB	SOUTHBOUND
ENT	ENTRANCE	SE	SUPERELEVATION
EOR	END OF RADIUS	SF	SQUARE FEET
EP	EDGE OF PAVEMENT	SI	SLOPE INTERCEPT
EXC	EXCAVATION	STH	STATE TRUNK HIGHWAY
EX	EXISTING	SY	SQUARE YARD
EW	ENDWALL	SALV	SALVAGED
F-F	FACE TO FACE	SAN	SANITARY
FDN	FOUNDATION	SEC	SECTION
FE	FIELD ENTRANCE	SHLDR	SHOULDER
FERT	FERTILIZER	S/L	SURVEY LINE
FG	FINISHED GRADE	SQ	SQUARE
F/L	FLOW LINE	STA	STATION
FT	FOOT	STD	STANDARD
FTG	FOOTING	STO	STORM
GRAV	GRAVEL	SW	SIDEWALK
GN	GRID NORTH	TC	TOP OF CURB
GV	GAS VALVE	TEL	TELEPHONE
HDPE	HIGH DENSITY POLYETHYLENE	TEMP	TEMPORARY
HE	HIGHWAY EASEMENT	TLE	TEMPORARY LIMITED EASEMENT
HMA	HOT MIX ASPHALT	TV	TELEVISION
HP	HIGH POINT	TYP	TYPICAL
HT	HEIGHT	UG	UNDERGROUND
HYD	HYDRANT	USH	U.S. HIGHWAY
ID	INSIDE DIAMETER	VAR	VARIES
IN	INCH	VC	VERTICAL CURVE
INL	INLET	VERT	VERTICAL
INV	INVERT	WB	WESTBOUND
IP	IRON PIPE	WM	WATER MAIN
JCT	JUNCTION	WV	WATER VALVE
LB	POUND		
LF	LINEAR FOOT		
LP	LIGHT POLE		

GENERAL NOTES

1. THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
3. EXISTING STREET RIGHT-OF-WAY AND INTERSECTING PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.

STANDARD SYMBOLS (PLAN VIEW ONLY)

	2" IRON PIPE FOUND		TELEPHONE CABLE - BURIED
	1 1/4" REBAR FOUND		ELECTRIC CABLE - BURIED
	1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET		UTILITIES - OVERHEAD
	1" (1.315 OD) IRON PIPE FOUND		FIBER OPTIC CABLE - BURIED
	1" IRON PIPE SET		GAS MAIN
	3/4" IRON REBAR FOUND		CABLE TELEVISION - BURIED
	3/4" IRON PIPE FOUND		DITCH LINE
	3/4"x 24" IRON REBAR WEIGHING 1.5 LB/LF SET		STREET C/L OR R/L
	MAG NAIL FOUND		PROPERTY LINE
	MAG NAIL SET		RIGHT-OF-WAY LINE
	MAG SPIKE FOUND		SECTION LINE
	MAG SPIKE SET		EXISTING CONTOURS
	CHISEL CROSS FOUND		PROPOSED CONTOURS
	CHISEL CROSS SET		EXISTING FORCEMAIN SEWER
	COUNTY MONUMENT		EXISTING SANITARY SEWER
	CONCRETE MONUMENT FOUND		PROPOSED SANITARY SEWER
	CONTROL POINT HORIZONTAL		EXISTING WATER MAIN
	VERTICAL BENCHMARK		PROPOSED WATER MAIN
	SOIL BORING or MONITORING WELL		EXISTING STORM SEWER
	POWER POLE		PROPOSED STORM SEWER
	POWER POLE W/GUY WIRE		EXISTING CURB & GUTTER
	TELEPHONE OR TELEVISION PEDESTAL		PROPOSED CURB & GUTTER
	MAILBOX		PROPOSED REJECT CURB & GUTTER
	SIGN		EXISTING CULVERT WITH END SECTIONS
	RAILROAD CROSS BUCK		PROPOSED CULVERT WITH END SECTIONS
	RAILROAD GATE ARM		BUILDING OUTLINE
	RAILROAD TRACKS		FENCE LINE
	LIGHT POLE		SAW CUT REQ'D
	WOOD POLE		SILT FENCE
	TRAFFIC SIGNAL		GUARD RAIL
	TRAFFIC SIGNAL MAST ARM		DITCH CHECK
	CONIFEROUS TREE		INLET PROTECTION
	DECIDUOUS TREE		TRACKING PAD
	TREE OR BRUSH LINE		TURBIDITY BARRIER OR SHEET PILING
	BED ROCK (IN PROFILE VIEW)		SANDBAG COFFERDAM
	HANDICAPPED PARKING STALL		SLOPE INTERCEPT
	EXISTING SPOT ELEVATION		LIMITS OF DISTURBANCE
	PROPOSED SPOT ELEVATION		ASPHALT PAVEMENT
	DRAINAGE HIGH POINT		CONCRETE SIDEWALK/DRIVEWAY
	DRAINAGE DIRECTION		GRAVEL
	EXISTING MANHOLE		RIP-RAP (SIZE AS SPECIFIED)
	PROPOSED MANHOLE		BRICK/PAVERS
	EXISTING INLET		PROPOSED EROSION MAT
	PROPOSED INLET		EXISTING DELINEATED WETLANDS
	EXISTING YARD DRAIN		
	PROPOSED YARD DRAIN		
	EXISTING CLEAN OUT		
	PROPOSED CLEAN OUT		
	EXISTING DOWNSPOUT		
	PROPOSED DOWNSPOUT		
	EXISTING WATER VALVE		
	PROPOSED WATER VALVE		
	EXISTING CURB STOP		
	PROPOSED CURB STOP		
	EXISTING FIRE HYDRANT		
	PROPOSED FIRE HYDRANT		
	PROPOSED WATER FITTING		
	PROPOSED WATER REDUCER		
	PROPOSED ENDCAP		
	GAS VALVE		

EROSION & SEDIMENT CONTROL PLAN

BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT <http://www.dnr.wi.gov/runoff/stormwater/techsids.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WIS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

[] LAND APPLICATION OF POLYACRYLAMIDE (1050)	[X] DE-WATERING (1061)
[] WATER APPLICATION OF POLYMERS (1051)	[X] DITCH CHECK (1062)
[X] NON-CHANNEL EROSION MAT (1052)	[] SEDIMENT TRAP (1063)
[] CHANNEL EROSION MAT (1053)	[] SEDIMENT BASIN (1064)
[] VEGETATIVE BUFFER (1054)	[X] RIP-RAP (1065)
[] SEDIMENT BALE BARRIER (1055)	[] CONSTRUCTION DIVERSION (1066)
[X] SILT FENCE (1056)	[] GRADING PRACTICES (1067)
[X] TRACKING PAD & TIRE WASHING (1057)	[X] DUST CONTROL (1068)
[X] MULCHING (1058)	[] TURBIDITY BARRIER (1069)
[X] SEEDING (1059)	[] SILT CURTAIN (1070)
[X] STORM DRAIN INLET PROTECTION (1060)	[] MANUFACTURED PERIMETER PRODUCTS (1071)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

- A. DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
- B. DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
- C. DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
- D. DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
- E. DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
- F. DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
- G. DISCHARGE OF SEDIMENT FROM EROSION OUTLET FLOWS.
- H. TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
- I. TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- A. PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- B. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- C. MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- D. MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- E. DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- F. TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- G. PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- H. CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

INSPECTION & MAINTENANCE:

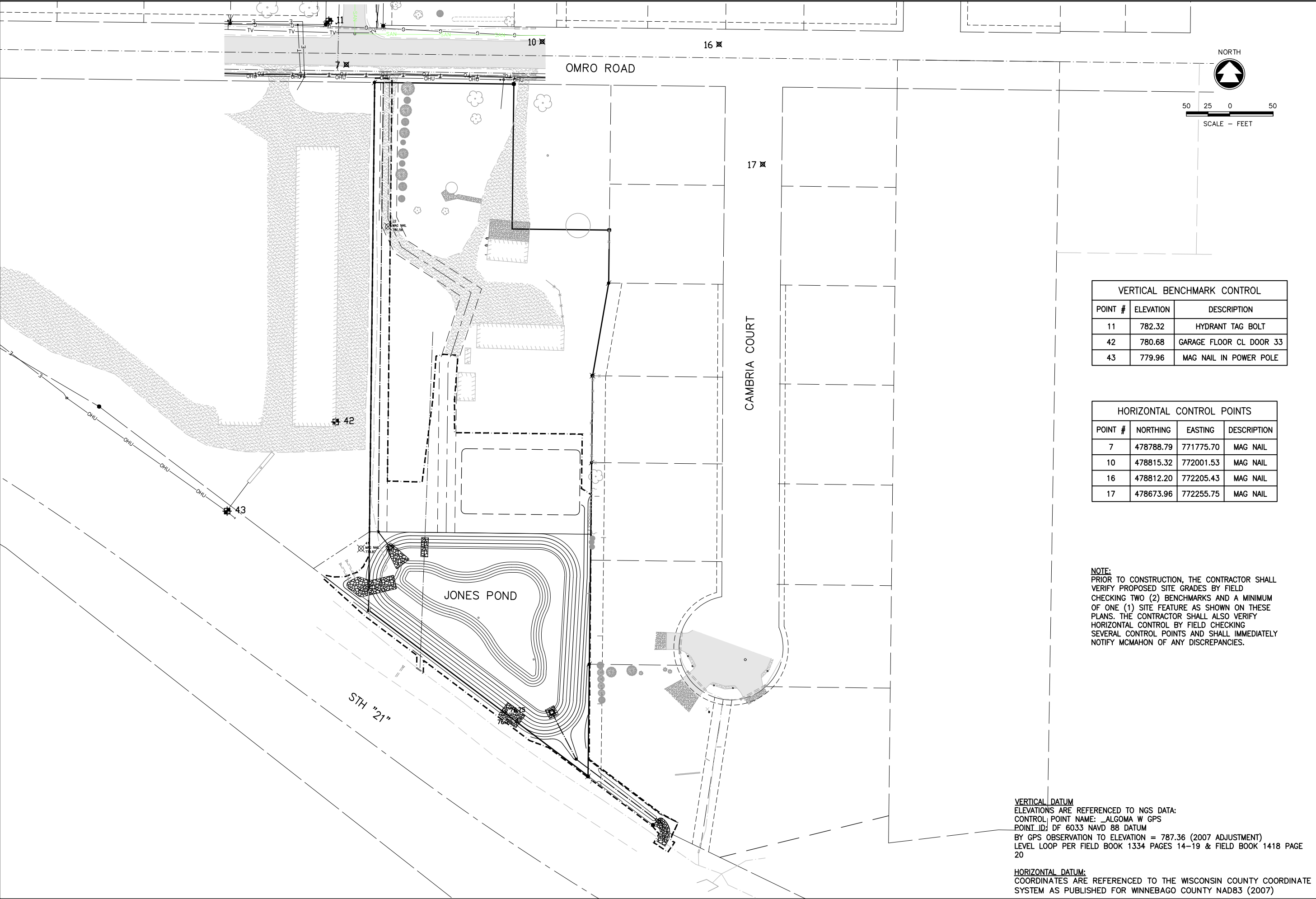
THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

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NO.

DATE

JONES POND

TOWN OF ALGOMA, WINNEBAGO COUNTY, WI

PROJECT OVERVIEW & SURVEY CONTROL

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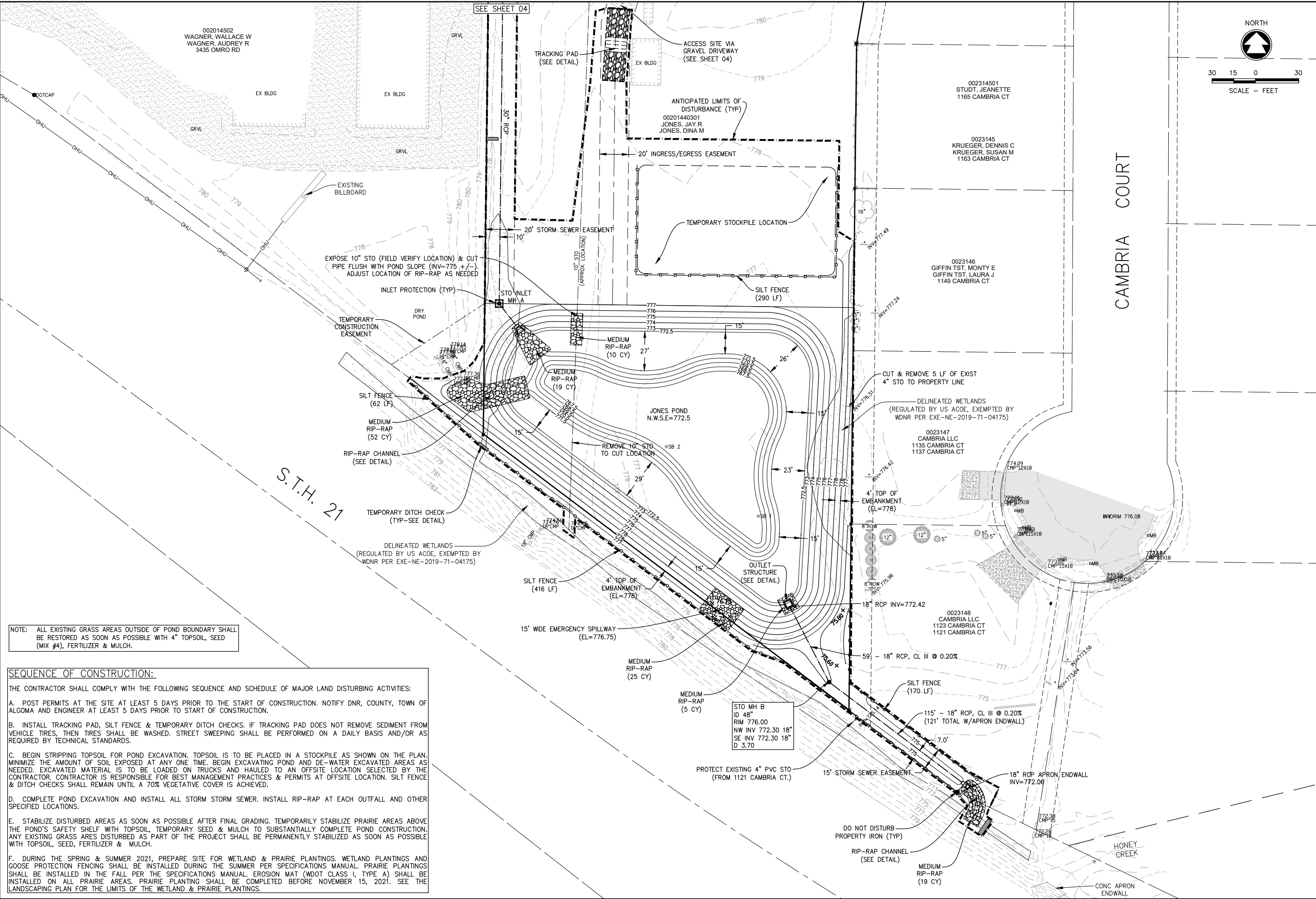
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NOTE: ALL EXISTING GRASS AREAS OUTSIDE OF POND BOUNDARY SHALL BE RESTORED AS SOON AS POSSIBLE WITH 4" TOPSOIL, SEED (MIX #4), FERTILIZER & MULCH.

SEQUENCE OF CONSTRUCTION:

- THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING SEQUENCE AND SCHEDULE OF MAJOR LAND DISTURBING ACTIVITIES:
- POST PERMITS AT THE SITE AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION. NOTIFY DNR, COUNTY, TOWN OF ALGOMA AND ENGINEER AT LEAST 5 DAYS PRIOR TO START OF CONSTRUCTION.
 - INSTALL TRACKING PAD, SILT FENCE & TEMPORARY DITCH CHECKS. IF TRACKING PAD DOES NOT REMOVE SEDIMENT FROM VEHICLE TIRES, THEN TIRES SHALL BE WASHED. STREET SWEEPING SHALL BE PERFORMED ON A DAILY BASIS AND/OR AS REQUIRED BY TECHNICAL STANDARDS.
 - BEGIN STRIPPING TOPSOIL FOR POND EXCAVATION. TOPSOIL IS TO BE PLACED IN A STOCKPILE AS SHOWN ON THE PLAN. MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME. BEGIN EXCAVATING POND AND DE-WATER EXCAVATED AREAS AS NEEDED. EXCAVATED MATERIAL IS TO BE LOADED ON TRUCKS AND HAULED TO AN OFFSITE LOCATION SELECTED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR BEST MANAGEMENT PRACTICES & PERMITS AT OFFSITE LOCATION. SILT FENCE & DITCH CHECKS SHALL REMAIN UNTIL A 70% VEGETATIVE COVER IS ACHIEVED.
 - COMPLETE POND EXCAVATION AND INSTALL ALL STORM STORM SEWER. INSTALL RIP-RAP AT EACH OUTFALL AND OTHER SPECIFIED LOCATIONS.
 - STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING. TEMPORARILY STABILIZE PRAIRIE AREAS ABOVE THE POND'S SAFETY SHELF WITH TOPSOIL, TEMPORARY SEED & MULCH TO SUBSTANTIALLY COMPLETE POND CONSTRUCTION. ANY EXISTING GRASS AREAS DISTURBED AS PART OF THE PROJECT SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE WITH TOPSOIL, SEED, FERTILIZER & MULCH.
 - DURING THE SPRING & SUMMER 2021, PREPARE SITE FOR WETLAND & PRAIRIE PLANTINGS. WETLAND PLANTINGS AND GOOSE PROTECTION FENCING SHALL BE INSTALLED DURING THE SUMMER PER SPECIFICATIONS MANUAL. PRAIRIE PLANTINGS SHALL BE INSTALLED IN THE FALL PER THE SPECIFICATIONS MANUAL. EROSION MAT (WDOT CLASS I, TYPE A) SHALL BE INSTALLED ON ALL PRAIRIE AREAS. PRAIRIE PLANTING SHALL BE COMPLETED BEFORE NOVEMBER 15, 2021. SEE THE LANDSCAPING PLAN FOR THE LIMITS OF THE WETLAND & PRAIRIE PLANTINGS.

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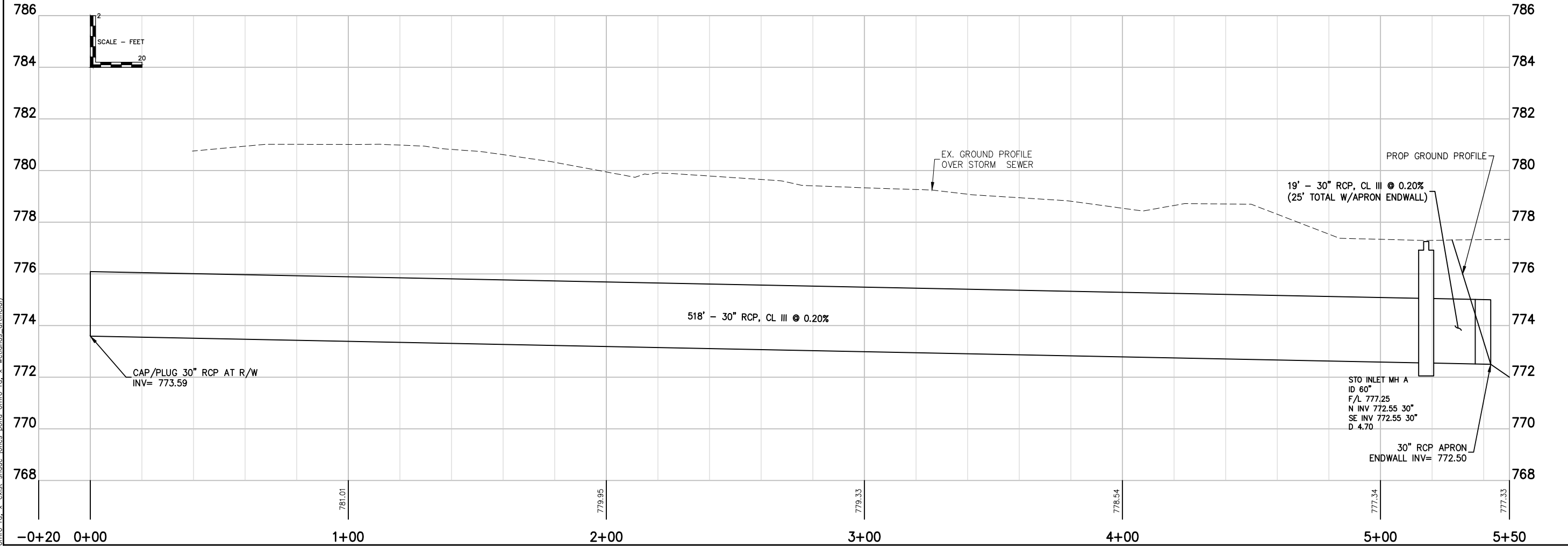
JONES POND

TOWN OF ALGOMA, WINNEBAGO COUNTY, WI

GRADING, EROSION & SEDIMENT CONTROL

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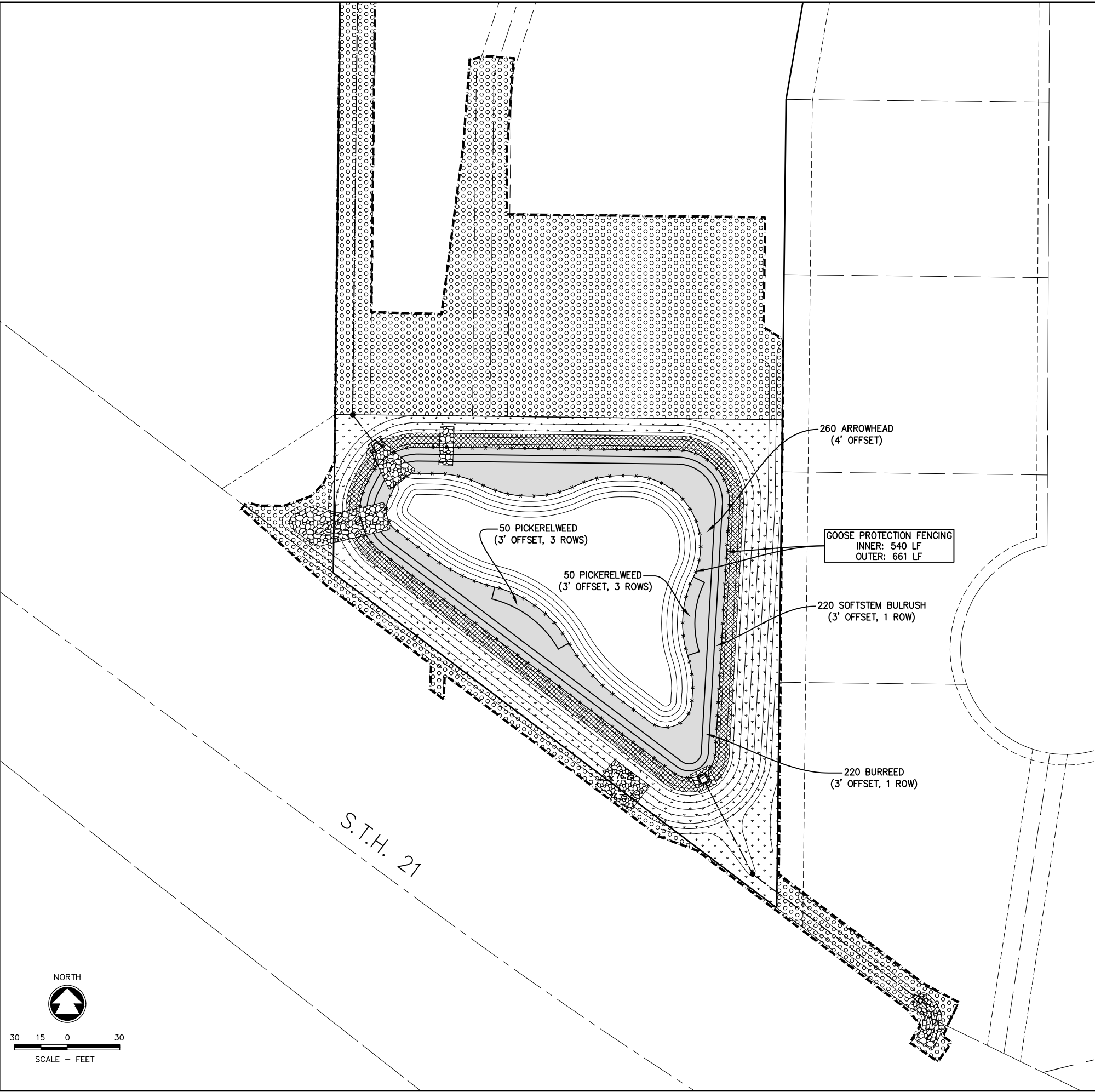
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<p style="text-align: center;">JONES POND</p> <p style="text-align: center;">TOWN OF ALGOMA, WINNEBAGO COUNTY, WI</p> <p style="text-align: center;">JONES POND STORM SEWER</p>	
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LANDSCAPING SCHEDULE

- SHALLOW MARSH PLANTING (0.25 AC)
- WET TO WET-MESIC PRAIRIE PLANTING (0.12 AC)
- MESIC PRAIRIE PLANTING (0.36 AC)
- GENERAL GRASS PLANTING (4,655 SY)

- NOTES:
- SEE SECTION 02900 (LANDSCAPING) OF THE SPECIFICATIONS MANUAL FOR ALL SEED MIXES.
 - ALL EXISTING GRASS AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED AS SOON AS POSSIBLE WITH 4" TOPSOIL, FERTILIZER, GENERAL GRASS SEED (MIX #4) & MULCH.
 - TOPSOIL SHALL BE SPREAD TO THE FOLLOWING DEPTHS:
 - 12" TOPSOIL FOR SHALLOW MARSH AREAS (SAFETY SHELF)
 - 6" TOPSOIL FOR WET TO WET-MESIC PRAIRIE & MESIC PRAIRIE AREAS
 - 4" TOPSOIL FOR GENERAL GRASS AREAS (ADDITIONAL TOPSOIL MAY BE PLACED ON GENERAL GRASS AREA LOCATED NORTH OF JONES POND AS ALLOWED BY PROPERTY OWNER)
 - TOPSOIL ON THE SAFETY SHELF SHALL BE DECONSOLIDATED TO A DEPTH OF 9" PRIOR TO THE POND FILLING WITH WATER.
 - TOPSOIL ON THE PRAIRIE AREAS SHALL BE DECONSOLIDATED TO A DEPTH OF 4" PRIOR TO TEMPORARY SEEDING.
 - THE WHITE & YELLOW LILIES SHOULD BE MIXED AND PLANTED EVERY 7 FEET ALONG THE INTERFACE OF THE SAFETY SHELF AND DROP-OFF OF THE PONDS. (NOT SHOWN ON PLAN)
 - INSTALL ONE BLUE FLAG IRIS EVERY 5 FEET AROUND THE SHORE LINE EDGE OF THE PONDS. (NOT SHOWN ON PLAN)
 - INSTALL ONE LAKE SEDGE EVERY 4 FEET AROUND THE SHORELINE EDGE OF THE PONDS (NOT SHOWN ON PLAN)
 - THE FIRST ROW OF WETLAND PLANTS SHALL BE INSTALLED ONE FOOT FROM THE SHORELINE EDGE (THIS DOES NOT PERTAIN TO BLUE FLAG IRIS AND THREE SQUARE BULRUSH). THE OUTER ROW OF WETLAND PLANTS SHALL BE INSTALLED ONE FOOT FROM THE DROP OFF INTO THE DEEP BASIN. THE IN-BETWEEN ROWS SHALL HAVE A SEPARATION DISTANCE OF APPROXIMATELY 4 FEET.
 - THE SOFTSTEM BULRUSH MUST BE 10" IN HEIGHT AND BURREED MUST BE >16" IN HEIGHT.

SHALLOW MARSH TABLE NWL to 1' Below NWL		
Common Name(s)	Latin Name	Total (0.25 ACRES)
Blue Flag Iris	Iris versicolor	132 plants
Yellow Water Lily (Large Rootstock)	Nuphar advena	22 plants
Fragrant White Water Lily (Large Rootstock)	Nymphaea odorata	86 plants
Pickerel-Weed	Pontederia cordata	100 plants
Common Arrowhead	Sagittaria latifolia	260 plants
Softstem Bulrush	Scirpus validus	220 plants
Burreed	Sparganium eurycarpum	220 plants
Lake Sedge	Carex Lacustris	165 plants

McMAHON

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NO.	DATE	REVISION

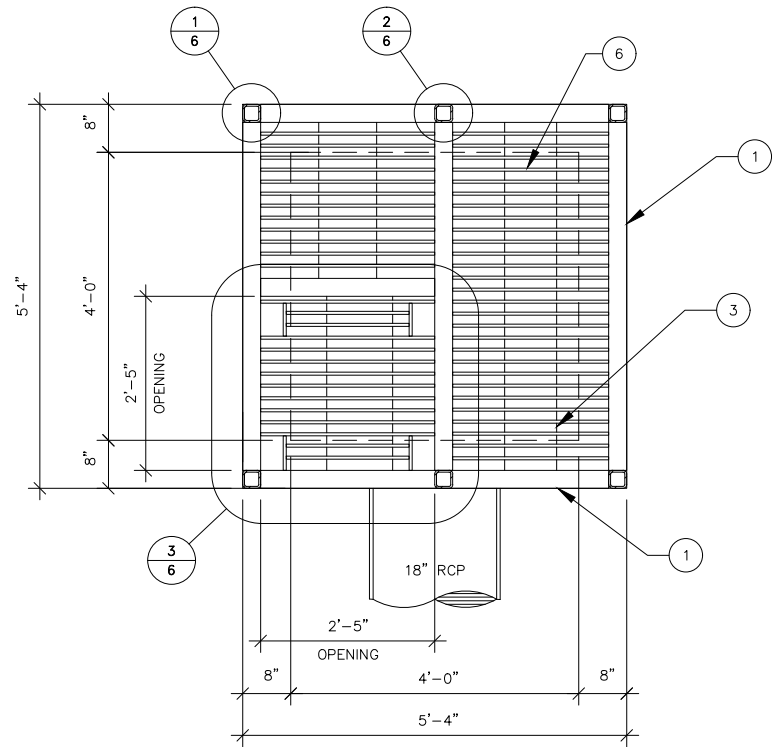
JONES POND

TOWN OF ALGOMA, WINNEBAGO COUNTY, WI

LANDSCAPING PLAN

DESIGNED PTK	DRAWN RRS
PROJECT NO. A0018 9-19-00711	
DATE JAN, 2020	
SHEET NO. 05	

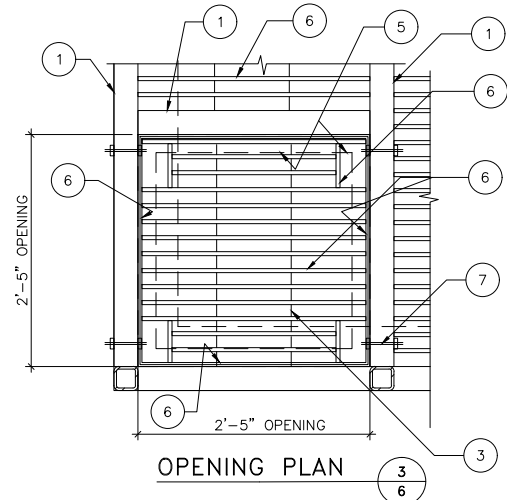
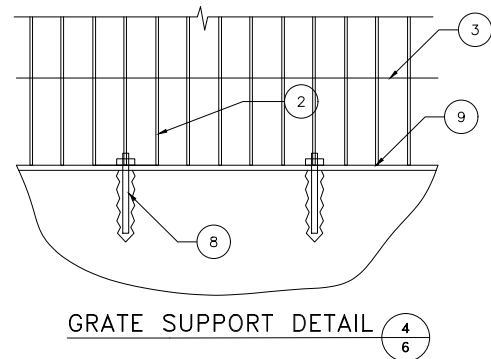
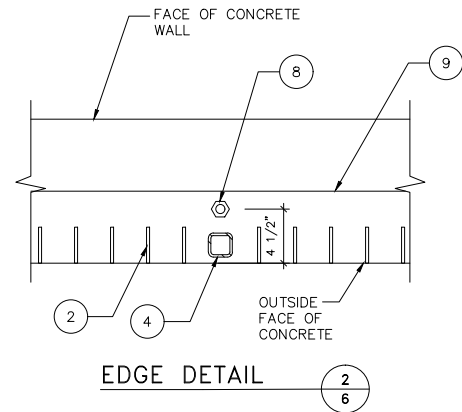
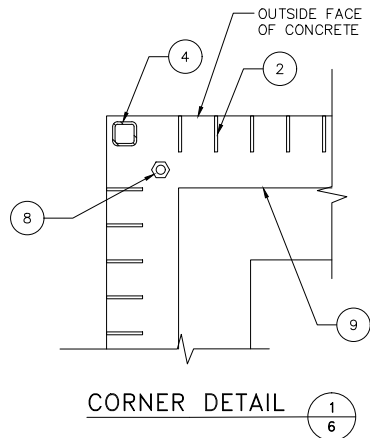
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TOP TRASH RACK DETAIL PLAN VIEW

ELEMENT KEY

- 1 HSS 3x3x1/4
- 2 1/4"x3" PLATE @ 3" o.c. MAXIMUM
- 3 1/2" DIA BAR @ 10" o.c. MAXIMUM
- 4 HSS2x2x1/4
- 5 1/4"x2" HORIZONTAL PLATE WELDED TO SIDE OF HSS3x3x1/4
- 6 1/4"x2" PLATE @ 2" o.c. MAXIMUM
- 7 3/8" DIA. SST BOLT
- 8 3/8" DIA. SST ADHESIVE ANCHOR @ 24" o.c. MAXIMUM
- 9 3/8"x5 1/2"x CONT. PLATE

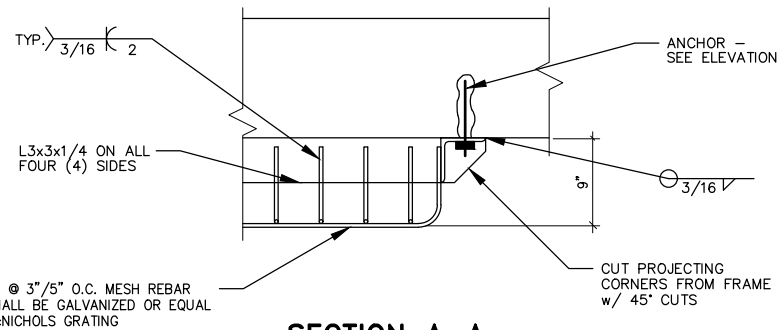


STRUCTURAL STEEL

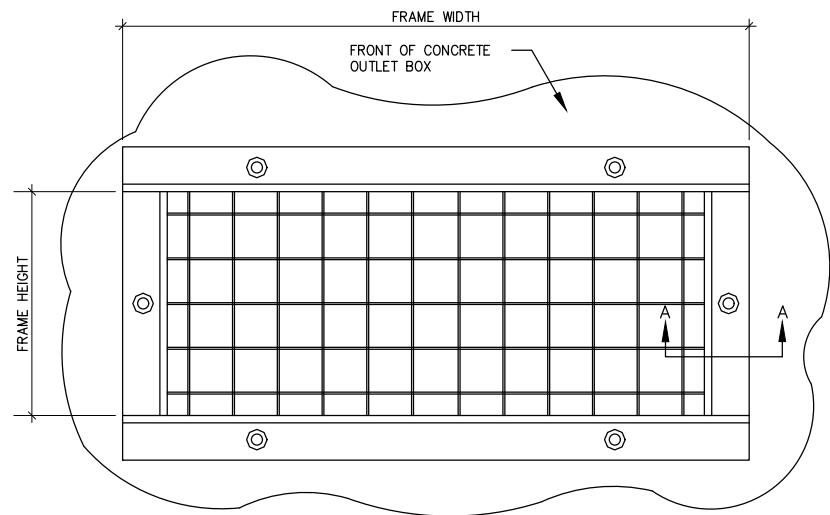
1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING SPECIFICATIONS:
BARS & PLATES - ASTM A36 THREADED BOLTS - ASTM A301
ANCHOR BOLTS - ASTM A36 THREADED BOLTS - ASTM A36
WELDS - E70 XX
ALL STEEL SHALL BE GALVANIZED
2. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR BUILDINGS AND BRIDGES", CURRENT EDITION.
3. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. CODE FOR WELDING IN BUILDING CONSTRUCTION. SURFACES FOR FIELD WELDED MATERIAL SHALL BE PROPERLY PREPARED PRIOR TO BEING WELDED TO ASSURE A GOOD QUALITY WELD. REMOVE PAINT, GREASE, DIRT, ETC.
4. ALL STEEL MEMBERS SHALL BE WELDED WITH A 3/16" CONTINUOUS FILLET WELD (UNLESS OTHERWISE NOTED)
5. ALL WELDS SHALL BE TOUCHED UP WITH GALVANIZING COMPOUND.

PAINT:

SURFACE	TNMEC COATING SYSTEM	COVERAGE SQ. FT./GAL	THICKNESS /COAT DMT	COLOR
STEEL (OUTDOORS)	SHOP PRIMER 69-1255 BEIGE	277	4.0	BEIGE
	1 COAT 69 H.B. EPOXY	221	5.0	BLACK
	1 COAT 74 ENDURA-SHIELD IV	310	3.0	BLACK



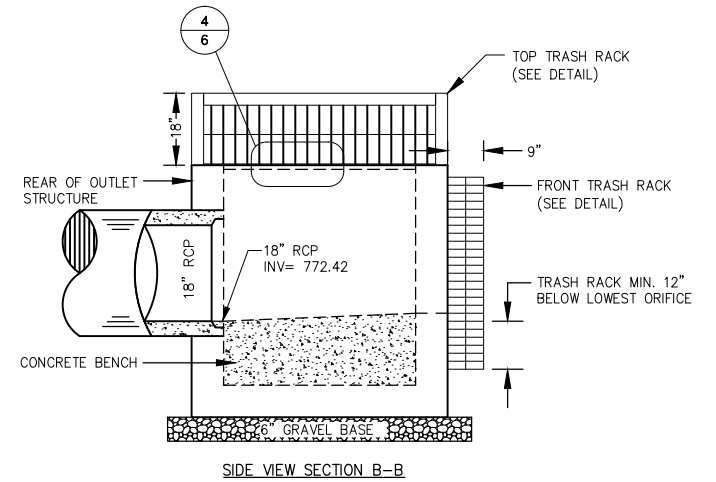
SECTION A-A



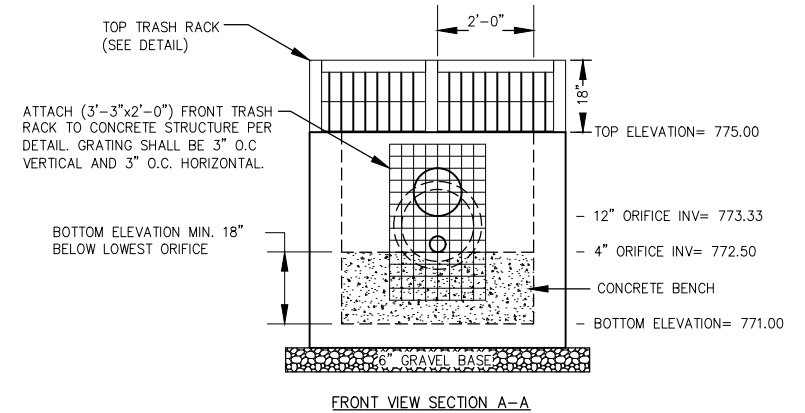
NOTES:

1. WHEN FRAME HEIGHT IS 24 INCHES OR LESS, PROVIDE (1) ANCHOR PER VERTICAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
2. WHEN FRAME WIDTH IS 12" OR LESS, PROVIDE (1) ANCHOR PER HORIZONTAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
3. PROVIDE 3/8" EPOXY ANCHOR EMBEDDED 4" MIN. INTO CONCRETE WHERE REQUIRED BY THIS DRAWING OR NOTES.
4. SEE OUTLET STRUCTURE DETAIL FOR TRASH RACK FRAME SIZE.

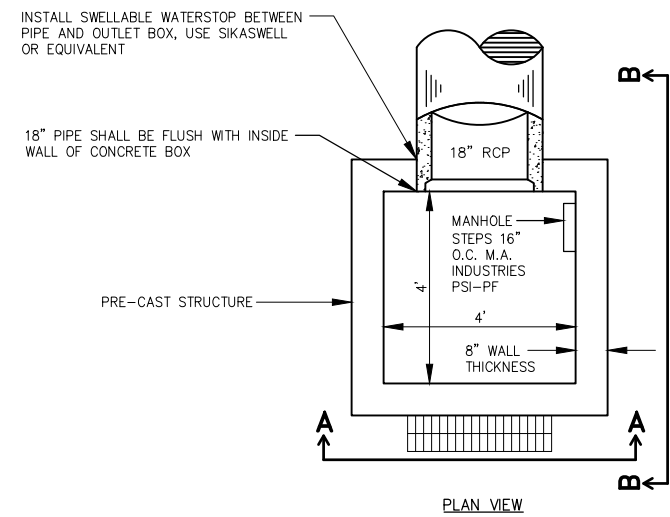
FRONT TRASH RACK DETAIL-ELEVATION VIEW



SIDE VIEW SECTION B-B



FRONT VIEW SECTION A-A

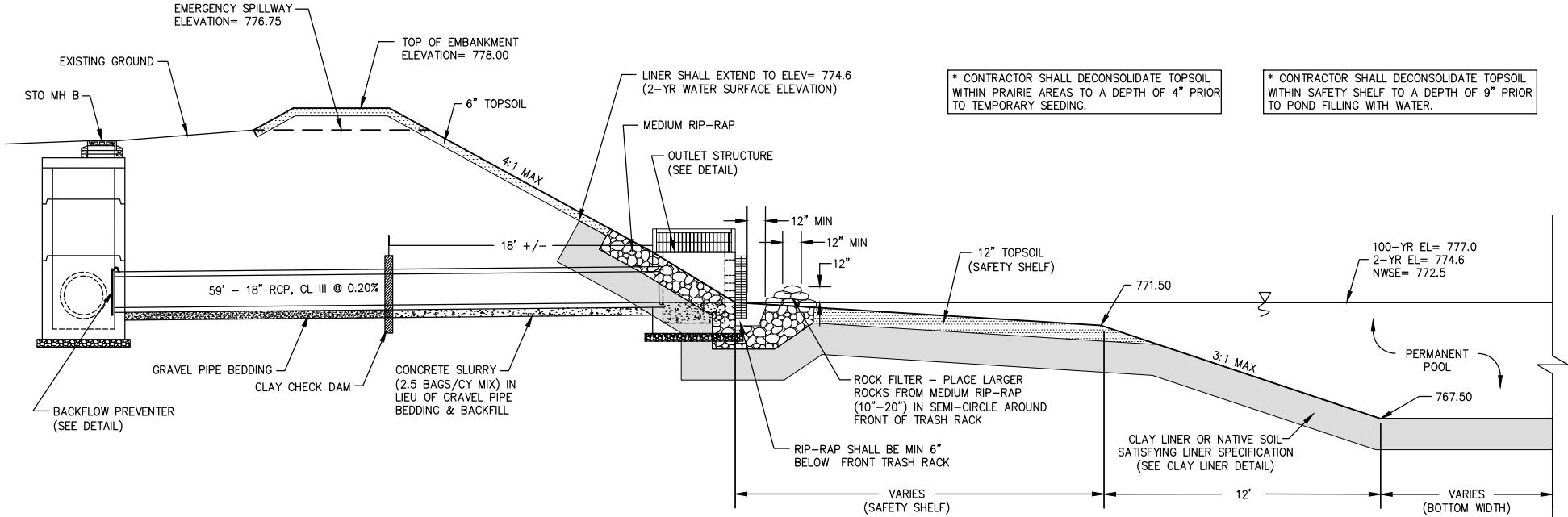


JONES POND
OUTLET STRUCTURE DETAIL

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NOTES:

1. POND CROSS SECTION REPRESENTS STANDARD DESIGN. ELEVATIONS, ETC. CAN BE FOUND ON RESPECTIVE PLAN SHEETS
2. ALL SHOWN ELEVATIONS ARE TO FINISH GRADE.
3. STRIP ALL VEGETATION, STUMPS, ROOTS & TOPSOIL PRIOR TO EMBANKMENT CONSTRUCTION.
4. CONSTRUCT EMBANKMENT HEIGHT 4" HIGHER THAN FINAL ELEVATION TO ACCOUNT FOR ANTICIPATED SETTLEMENT.
5. PLACE 12" OF TOPSOIL IN AREAS OF SHALLOW MARSH WETLAND PLANTINGS
6. PLACE 6" OF TOPSOIL IN AREAS OF WET-TO-WET MESIC PRAIRIE AND MESIC PRAIRIE.



POND TYPICAL CROSS SECTION (NTS)

CLAY LINER SPECIFICATIONS (TYP.)

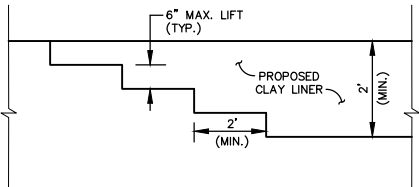
LINER THICKNESS = 2 FEET
IN PLACE HYDRAULIC CONDUCTIVITY = 1×10^{-7} CM/SEC OR LESS
MINIMUM OF 50% BY WEIGHT WHICH PASSES THE 200 SIEVE
AVERAGE LIQUID LIMIT OF 25 OR GREATER, NONE LESS THAN 20
AVERAGE PLASTICITY INDEX OF 12 OR GREATER, NONE LESS THAN 10

ALL CLAY LAYERS IN THE LINER TO BE CONSTRUCTED IN LIFT HEIGHTS NO GREATER THAN 6 INCHES AFTER COMPACTION USING FOOTED COMPACTION EQUIPMENT HAVING FEET AT LEAST AS LONG AS THE LOOSE LIFT HEIGHT. CLAY IS TO BE DISKED OR OTHERWISE MECHANICALLY PROCESSED BEFORE COMPACTION TO BREAK UP CLODS AND ALLOW FOR MOISTURE ADJUSTMENT. CLOD SIZE TO BE NO GREATER THAN 4 INCHES.

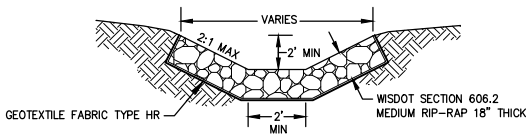
A SUFFICIENT NUMBER OF PASSES OF THE COMPACTION EQUIPMENT IS TO BE MADE OVER EACH LIFT OF CLAY TO ENSURE COMPLETE REMOLDING OF THE CLAY.

ALL CLAY TO BE COMPACTED TO 90% MODIFIED OR 95% STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT OF AT LEAST 2% WET OF OPTIMUM IF USING THE MODIFIED PROCTOR METHOD AND WET OF OPTIMUM IF USING THE STANDARD PROCTOR METHOD, BASED ON THE CHARACTERISTICS OF THE APPROPRIATE PROCTOR CURVE FOR THE CLAY BEING PLACED. THE CLAY LINER IS TO BE KEYED TOGETHER TO FORM A CONTINUOUS CLAY SEAL, SUCH THAT THE POND DOES NOT LEAK, SEE DETAIL. CONTRACTOR SHALL PROVIDE A CONTINUOUS CLAY SEAL AROUND PIPES, ENDWALLS OR STRUCTURES THAT PENETRATE THE LINER. GRAVEL PIPE BEDDING IS NOT ALLOWED UNDER PIPES, ENDWALLS OR STRUCTURES THAT PENETRATE THE LINER.

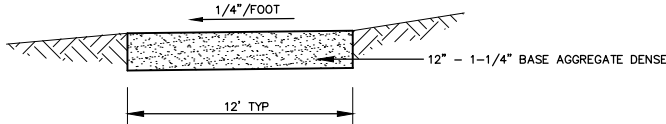
CLAY LINER SHALL BE PLACED OVER NATIVE SOILS THAT DO NOT SATISFY THE CLAY LINER SPECIFICATIONS. A GEOTECHNICAL ENGINEER SHALL DETERMINE WHICH SOILS DO NOT SATISFY THE CLAY LINER SPECIFICATIONS. THE GEOTECHNICAL ENGINEER SHALL INSPECT SOILS WITHIN THE PERMANENT POOL AND UP TO THE POND'S 2-YEAR, 24-HOUR WATER SURFACE ELEVATION OF 774.6. UPON COMPLETION OF THE LINER, A GEOTECHNICAL ENGINEER REGISTERED IN WISCONSIN SHALL PROVIDE A STAMPED LETTER OF CERTIFICATION INDICATING IF THE CLAY LINER SATISFIES THESE SPECIFICATIONS.



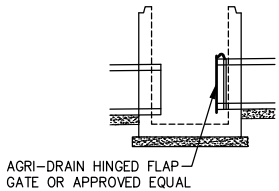
CLAY LINER DETAIL



RIP-RAP CHANNEL DETAIL



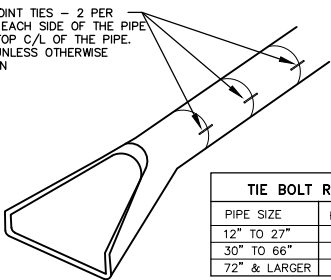
GRAVEL DRIVEWAY DETAIL



BACKFLOW PREVENTER
(TO BE INSTALLED IN STORM MH B)

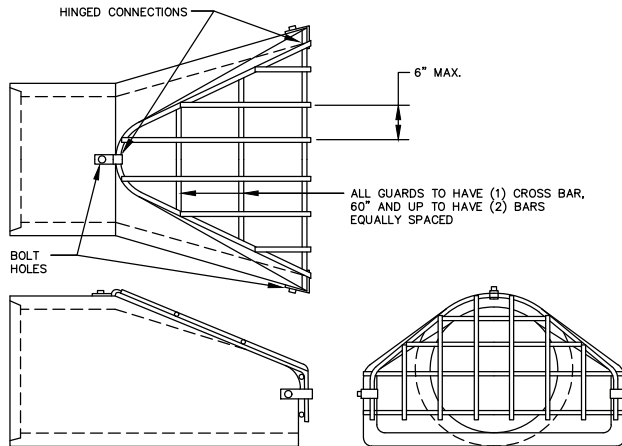
NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR INSTALLING PROPER AGRI-DRAIN FLAP GATE BASED ON THE SIZE & MATERIAL OF PIPE. FLAP GATE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. .
- 2) IT IS OF NOTE THAT THE FLAPPER WILL EXTEND BEYOND THE OUTSIDE OF THE PIPE BY APPROXIMATELY 2". FLAP SHOULD SIT FLUSH AGAINST PIPE, NOT THE BAND
- 3) ENSURE FLAP GATE CAN OPEN & CLOSE FULLY WHEN POURING FLOW LINE IN BOTTOM OF MANHOLE. ITS ACCEPTABLE TO LEAVE A SUMP IN THIS MANHOLE IF NEEDED.



CONCRETE APRON DETAIL

TIE BOLT REQUIREMENTS			
PIPE SIZE	BAR DIA.	BOLTS	
12" TO 27"	5/8"	32"	
30" TO 66"	3/4"	32"	
72" & LARGER	1"	32"	

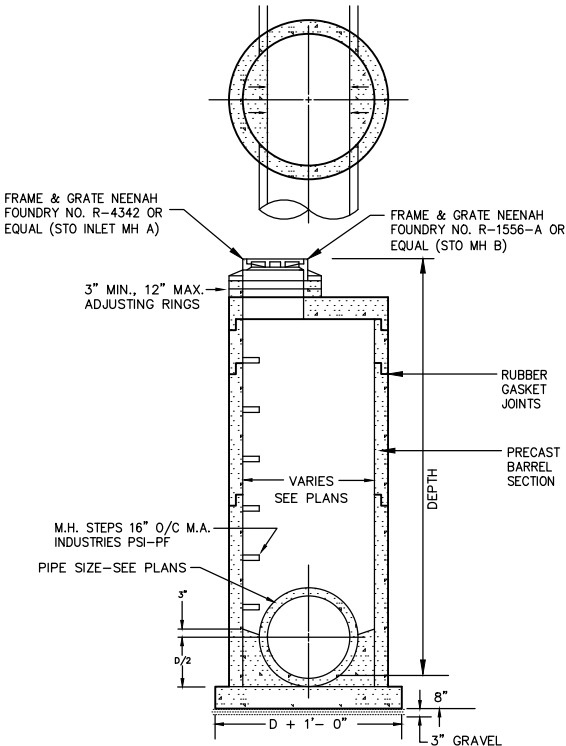


HOT DIP GALVANIZED PER ASTM-A153

STANDARD DESIGN				HEAVY DESIGN			
PIPE SIZE	HOLE DIA. REQ'D.	BOLT DIA.	BAR SIZE	PIPE SIZE	HOLE DIA. REQ'D.	BOLT DIA.	BAR SIZE
12"-24"	3/4"	5/8"	5/8"	12"-18"	3/4"	5/8"	3/4"
27"-48"	7/8"	3/4"	3/4"	21"-48"	7/8"	3/4"	1"
54"-90"	1 1/8"	1"	1"	54"-90"	1 1/8"	1"	1 1/4"
22"-29"	3/4"	5/8"	5/8"	22"	3/4"	5/8"	3/4"
36"-59"	7/8"	3/4"	3/4"	29"-59"	7/8"	3/4"	1"
65"-88"	1 1/8"	1"	1"	65"-88"	1 1/8"	1"	1 1/4"

BOLT LG. = PIPE WALL THK. + 2 1/2"

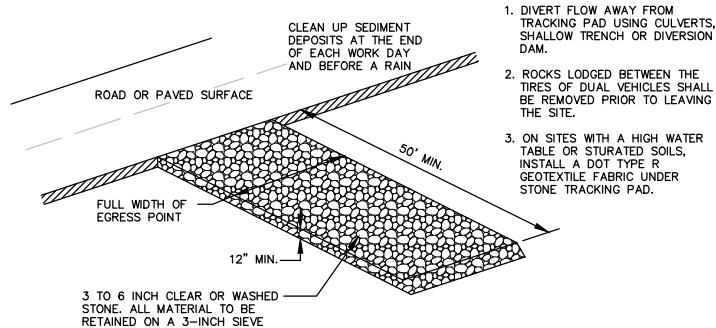
TRASH GUARD FOR FLARED ENDS
(TO BE INSTALLED ON ALL APRON ENDWALLS, EXCEPT CULVERTS)



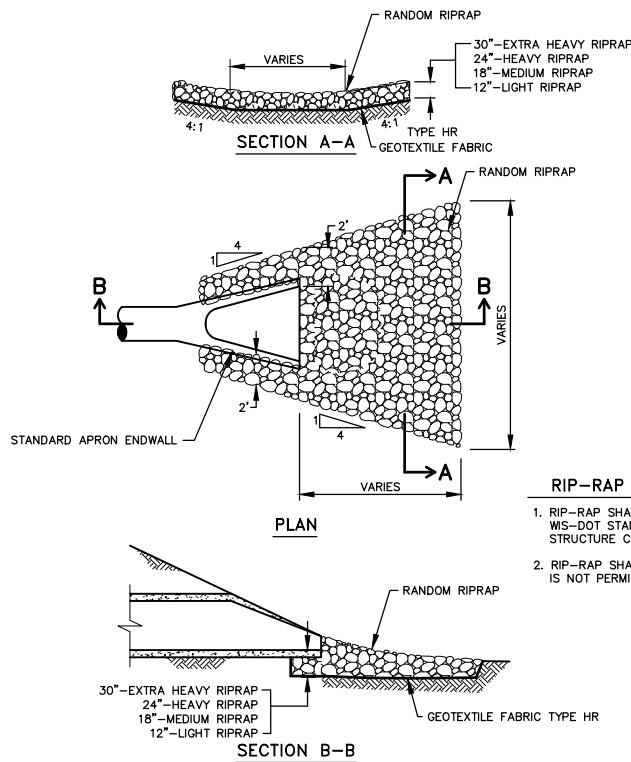
STORM MH OR INLET MH DETAIL

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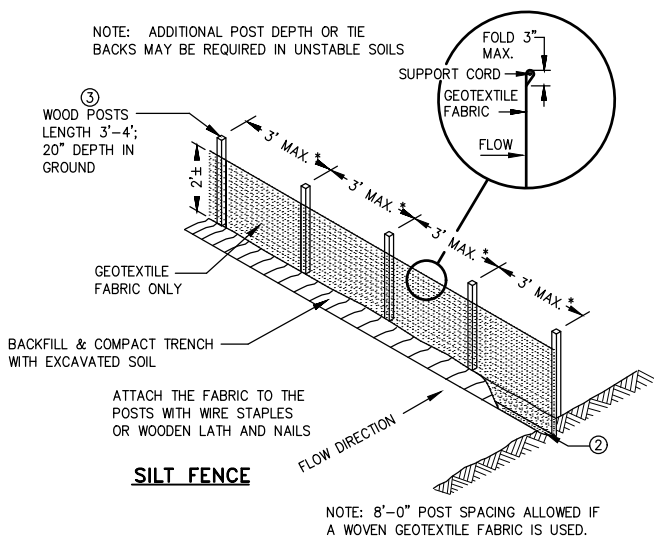
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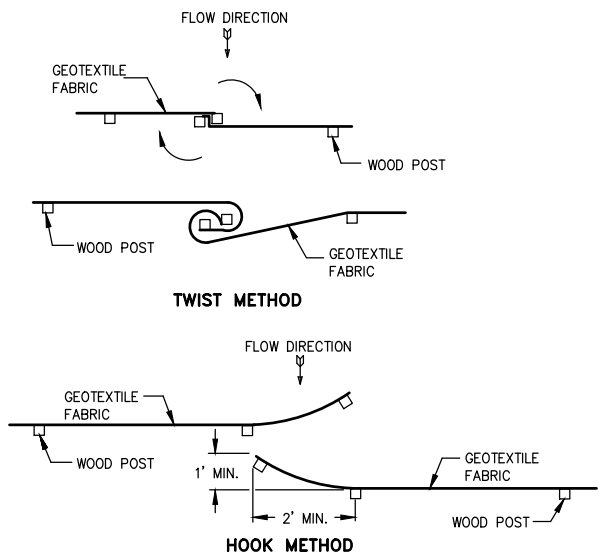
TRACKING PAD DETAIL



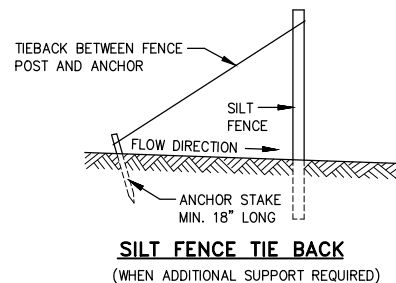
RIPRAP AT STORM SEWER OUTFALL



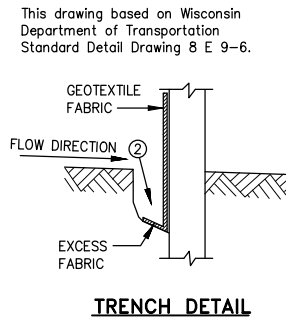
SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)

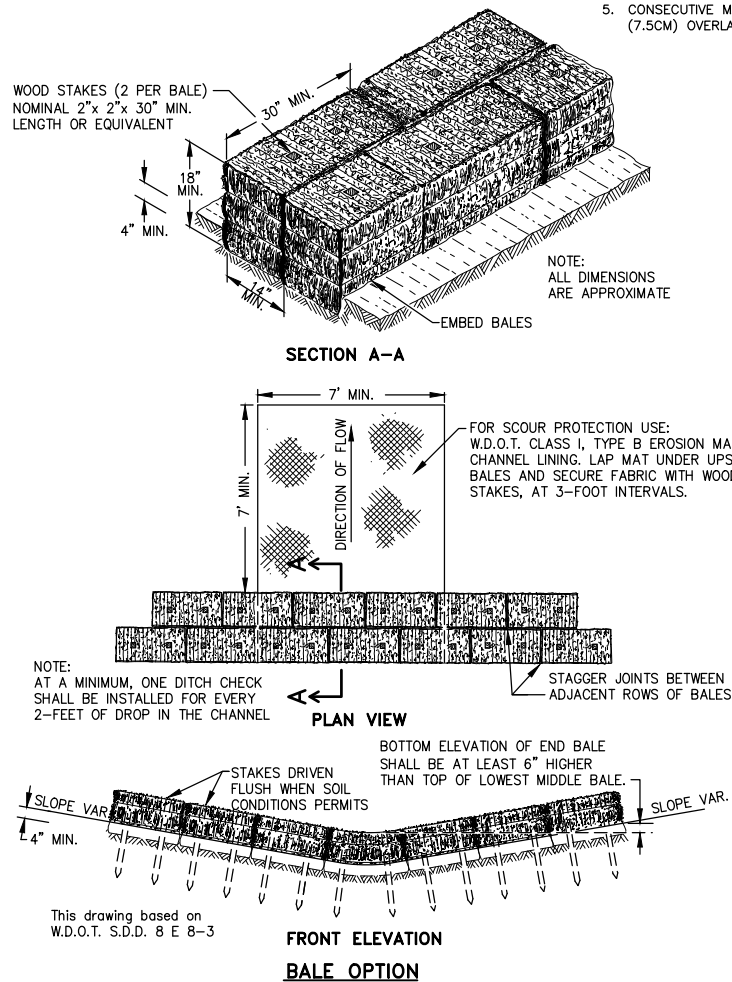


TRENCH DETAIL

SILT FENCE DETAIL

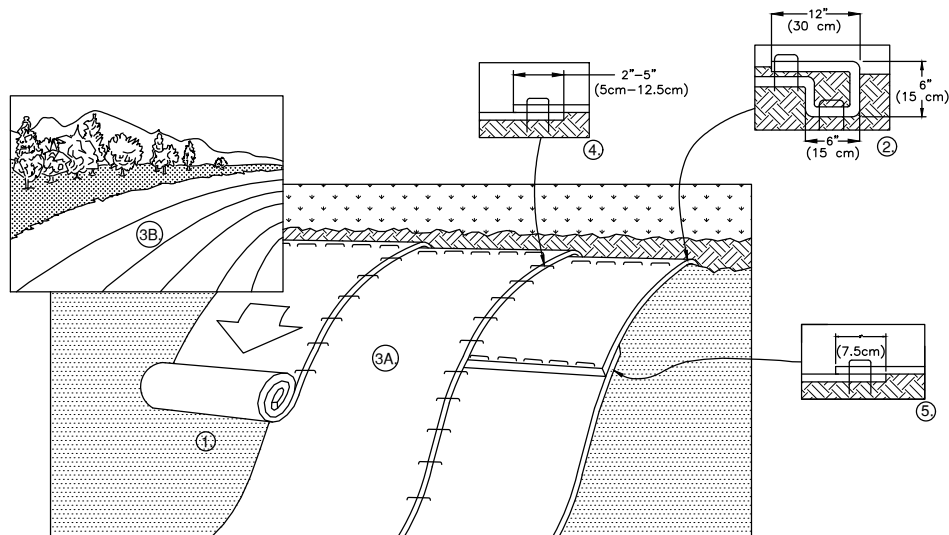
GENERAL NOTES

- HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



FRONT ELEVATION
BALE OPTION

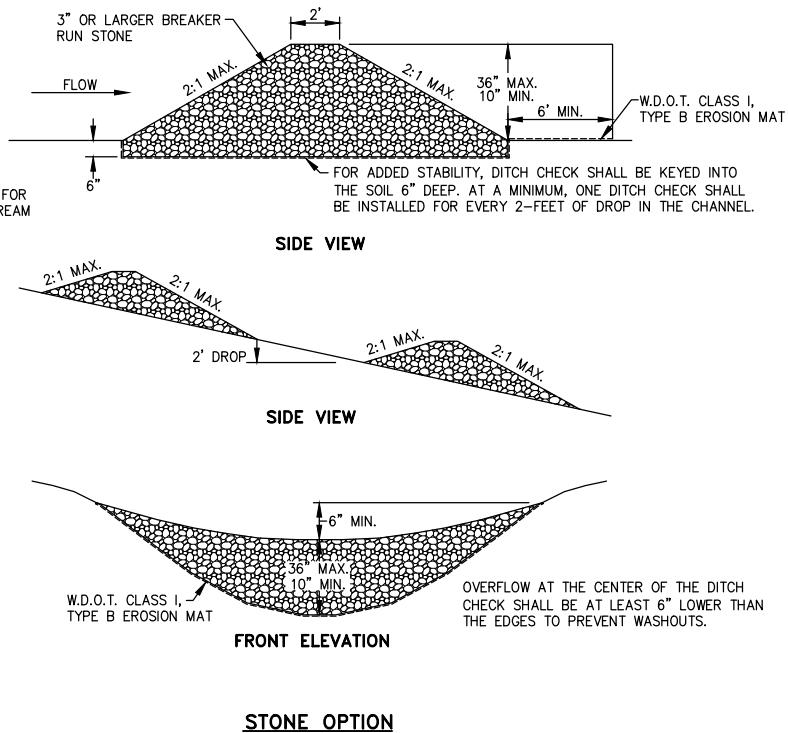
DITCH CHECK DETAIL



SLOPE EROSION MAT SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD NO. 1052 AND MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS MORE STRINGENT.

- PREPARE TOPSOIL BEFORE INSTALLING MATS, INCLUDING ANY NECESSARY FERTILIZER AND SEED. THE MAT SHALL BE IN FIRM AND CONTINUOUS/INTIMATE CONTACT WITH THE SOIL. THE MAT SHALL BE ANCHORED, OVERLAPPED, STAKED AND ENTRENCHED, PER THE MANUFACTURER'S RECOMMENDATIONS. THE MANUFACTURER'S RECOMMENDATIONS SUPERCEDE THIS DETAIL AND NOTES 2,3,4 AND 5.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE MAT IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF MAT EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE MAT WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF MAT BACK OVER SEED AND COMPACTED SOIL. SECURE MAT OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE MAT.
- ROLL THE MATS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. MATS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL MATS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL MATS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON MAT TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING MAT (MAT BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED MAT.
- CONSECUTIVE MATS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE MAT WIDTH.

SLOPE EROSION MAT DETAIL



STONE OPTION