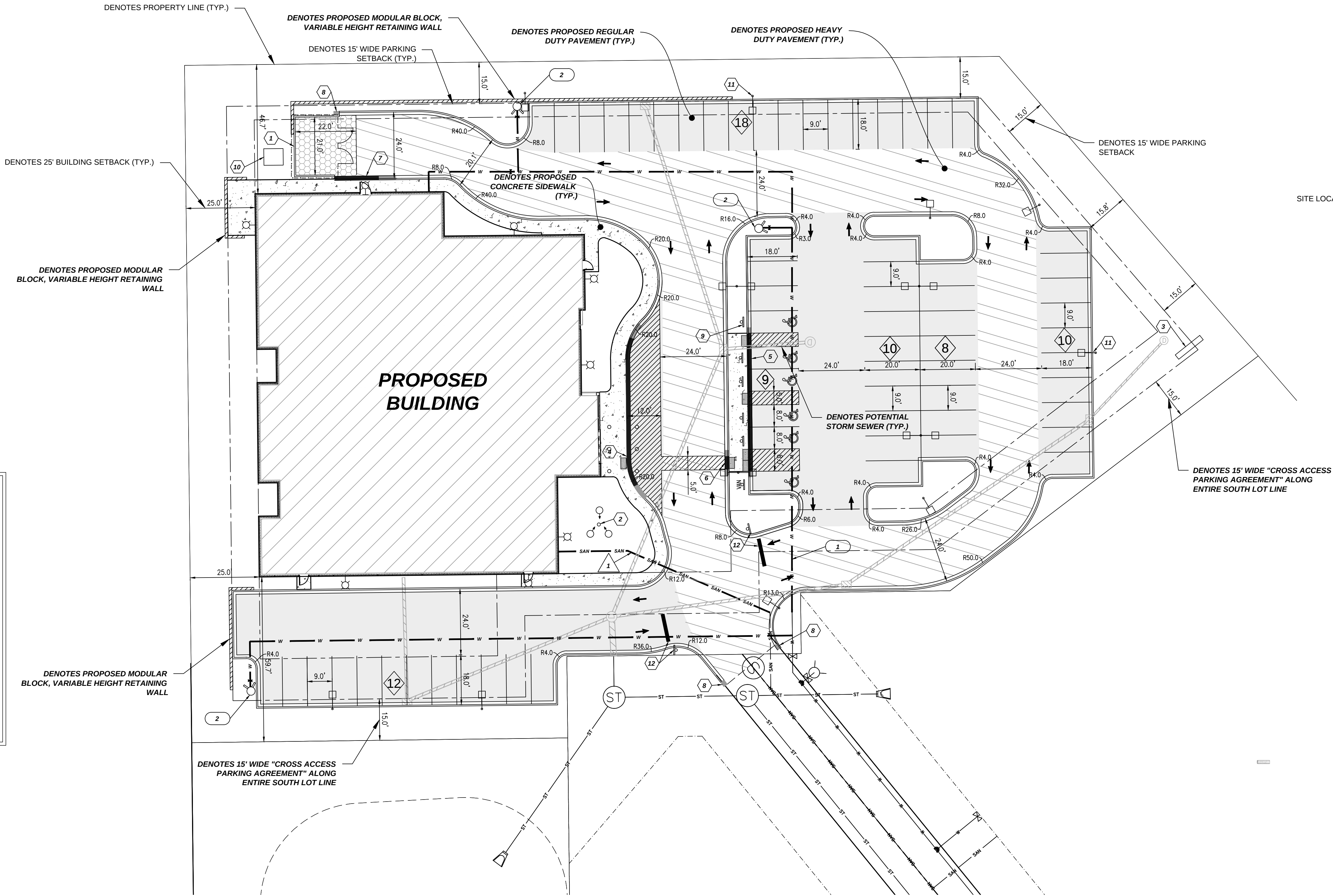


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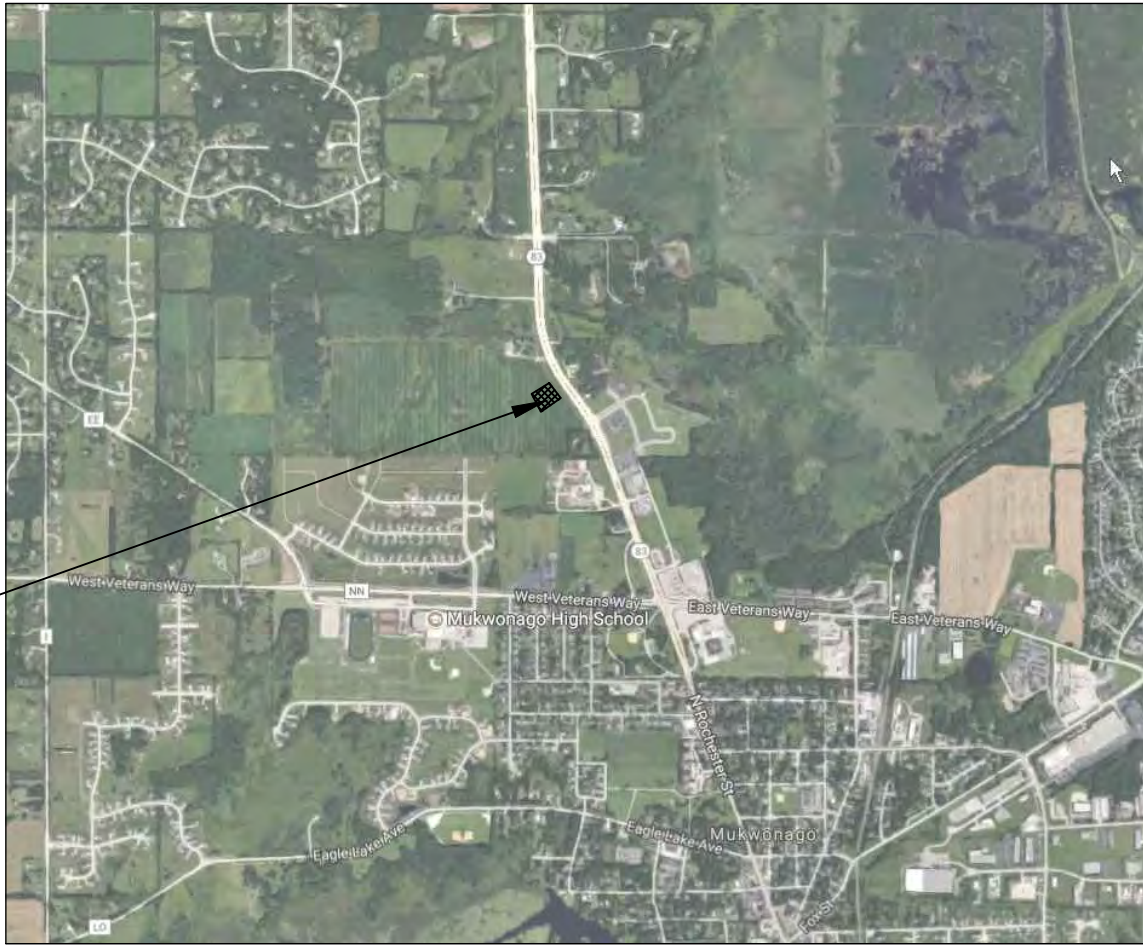


- CIVIL SHEET INDEX:**
- C1.10 SITE PLAN
 - C1.20 GRADING & EROSION CONTROL PLAN
 - C1.30 EXISTING SURVEY
 - C5.00 CONSTRUCTION DETAILS
 - C5.10 CONSTRUCTION DETAILS

- UTILITY TAGS**
- SANITARY**
- 1 DENOTES PROPOSED SANITARY SEWER.
- WATER**
- 1 DENOTES PROPOSED WATER SERVICE.
 - 2 DENOTES PROPOSED FIRE HYDRANT.

- NOTES**
- DENOTES PROPOSED TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS FOR DETAIL).
 - DENOTES PROPOSED FLAG POLE.
 - DENOTES PROPOSED MONUMENT SIGN (SEE ARCHITECTURAL PLANS FOR DETAIL).
 - DENOTES PROPOSED 54 L.F. DEPRESSED CURB W/ 6" CURB TAPERS ON EACH SIDE.
 - DENOTES PROPOSED 50 L.F. DEPRESSED CURB W/ 2" CURB TAPERS ON BOTH SIDES.
 - DENOTES PROPOSED 5 L.F. DEPRESSED CURB W/ 2" CURB TAPERS ON BOTH SIDES.
 - DENOTES PROPOSED 16 L.F. DEPRESSED CURB W/ 6" CURB TAPER ON EAST SIDE.
 - DENOTES PROPOSED 2" CURB TAPER.
 - DENOTES PROPOSED HANDICAP SIGN (TYP.).
 - DENOTES POTENTIAL LOCATION FOR TRANSFORMER.
 - DENOTES PROPOSED LIGHT POLE, TYP. (SEE SITE LIGHTING PLAN FOR DETAIL).
 - DENOTES PROPOSED STOP SIGN & STOP BAR.

- HATCH LEGEND**
- PROPOSED CONCRETE SIDEWALK
 - PROPOSED REGULAR DUTY ASPHALT PAVEMENT
 - PROPOSED DEPRESSED CURB
 - PROPOSED TAPER CURB
 - PROPOSED REVERSE CURB
 - HEAVY DUTY ASPHALT PAVEMENT
 - PROPOSED CONCRETE PAVEMENT



SITE LOCATION MAP

SITE ZONING AND LOCATION TABLE

LEGAL DESCRIPTION:
LOT 1 OF CERTIFIED SURVEY MAP NO. 11572, BEING PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 23, IN TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE OF MUKWONAGO, WAUKESHA COUNTY, WISCONSIN.

PROPERTY LOCATION: 120 CHAPMAN FARM BOULEVARD
MUKWONAGO, WI 53149

EXISTING ZONING: B-3 COMMUNITY BUSINESS DISTRICT

PROPOSED ZONING: B-3 COMMUNITY BUSINESS DISTRICT

ZONING SETBACKS:

- BUILDING SETBACK: - 25' (ALL SIDES)
- PARKING SETBACK: - 15' (ALL YARDS)

PROPERTY OWNER: AURORA

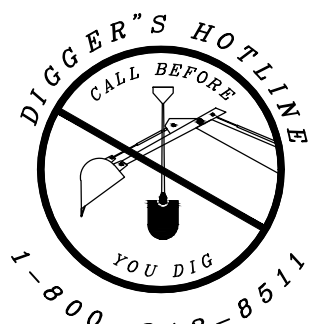
PROPOSED USEAGE: HEALTH CLINIC

SITE CALCULATION TABLE

TOTAL SITE AREA	1.698 AC
TOTAL DISTURBED AREA	1.605 AC
PROPOSED IMPERVIOUS AREA	1.203 AC
PROPOSED GREENSPACE	0.495 AC
	(29.1% OF SITE)

PROPOSED REGULAR PARKING SPACES	61
PROPOSED HANDICAP PARKING	6
PROPOSED TOTAL PARKING	67

UTILITY LEGEND	
SYMBOL	DESCRIPTION
	EXISTING WATER MAIN
	PROPOSED WATER SERVICE
	EXISTING ELECTRICAL LINE
	PROPOSED ELECTRICAL LINE
	EXISTING GAS MAIN
	PROPOSED GAS MAIN
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	OVERHEAD WIRES
	EXISTING POWER POLES
	EXISTING LIGHT POLES
	SANITARY MANHOLE
	FIRE HYDRANT
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING STORM STRUCTURE
	PROPOSED STORM STRUCTURE
	DENOTES EMERGENCY OVERFLOW ROUTE / DRAINAGE PATH
	PROPOSED & EXISTING SPOT GRADE



IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

zimmerman
ARCHITECTURAL STUDIOS, INC.

Consultant:

Harwood Engineering Consultants
255 North 21st Street, Milwaukee, WI 53233
414.475.5554 414.773.9299 fax harwood@HECL.COM
HEC Project Number: 16-0080.00

Project:

Mukwonago Health Center

Location:
State Highway 83,
Mukwonago, WI

Key Plan:

PLAN COMMISSION SET
NOT FOR CONSTRUCTION
DATE: DECEMBER, 04 2017

Sheet:

Site Plan

Scale: 1" = 20'

Revisions:

No.	Date:	Description:

Date:

Issue Date: 12-04-2017

Project No.: 170077.00 (Owner) Project No.:

Sheet No.:

C1.10

Consultant:

Harwood Engineering Consultants
255 North 21st Street, Milwaukee, WI 53233
414.475.5554 414.773.9299 fax: harwood@HECL.COM
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Mukwonago Health Center

Location:
State Highway 83,
Mukwonago, WI

Key Plan:

PLAN COMMISSION SET

NOT FOR CONSTRUCTION

DATE: DECEMBER, 04 2017

Sheet:

**Grading & Erosion
Control Plan**

Scale: 1" = 20'



Revisions:

No.	Date:	Description:

Date:

Issue Date: 12-04-2017

Project No.:

170077.00

(Owner) Project No.:

Sheet No.:

C1.20

EROSION CONTROL NOTES AND PHASING

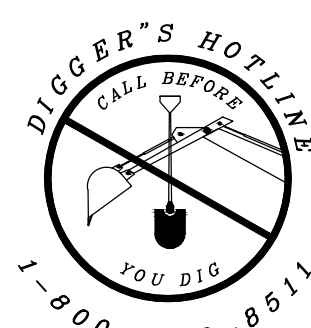
ESTIMATED CONSTRUCTION TIMEFRAMES:
INSTALL EROSION CONTROL = APRIL, 2018
GRADING AND UTILITY INSTALLATION = APRIL, 2018
BEGIN BUILDING CONSTRUCTION = APRIL, 2018
FINAL SITE GRADING AND RESTORATION = OCTOBER, 2018
COMPLETE BUILDING CONSTRUCTION = NOVEMBER, 2018

ALL CHANGES TO THE ABOVE SCHEDULE SHALL BE REVIEWED AND APPROVED BY THE MUNICIPALITY.

- IF WDNR PERMIT COVERAGE IS REQUIRED, POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE ENGINEER AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS). MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT <http://dnr.wisconsin.gov/topic/stormwater/standards.htm>
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD FOR ROCK CONSTRUCTION ENTRANCE(S).
- INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1058. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE WDNR/MUNICIPALITY. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES 4:1 OR GREATER (OR AS SHOWN ON THE PLAN), PROVIDE CLASS I TYPE TYPE A (WITH ACCELERATED DEGRADABLE NETTING) EROSION CONTROL MATTING. SELECT EROSION MATTING FROM WDOT'S PRODUCT ACCEPTABILITY LIST (PAL). INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS (OR AS SHOWN ON THE PLANS), PROVIDE NORTH AMERICAN GREEN SC150 (OR APPROVED EQUAL) EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY WDNR/MUNICIPALITY.

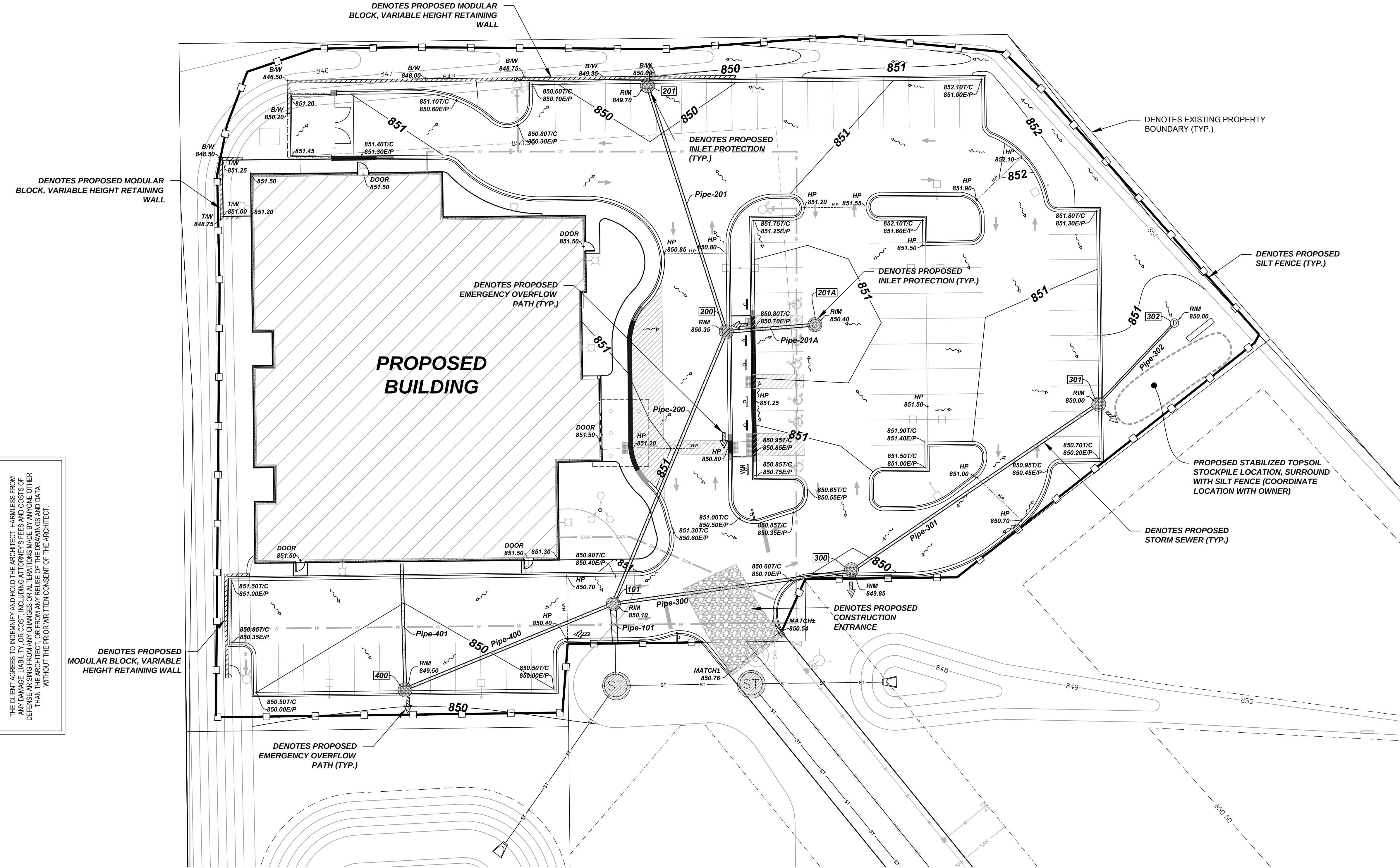
EROSION CONTROL LEGEND

SILT FILTER FENCE		DITCH CHECK	
CONSTRUCTION ENTRANCE		STABILIZED TOPSOIL PILE	
EROSION MAT		INLET SEDIMENT GUARD	



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Storm Structure Table				
#	Structure Details			
101	CATCH BASIN - 3' DIA RIM = 850.10 Pipe-300 = 846.00 Pipe-400 = 846.00 Pipe-200 = 846.00 Pipe-101 = 846.00			
200	CATCH BASIN - CURB RIM = 850.35 Pipe-201A = 846.55 Pipe-201 = 846.55 Pipe-200 = 846.55			
201	CATCH BASIN - CURB RIM = 847.02 Pipe-201 = 847.02			
201A	CATCH BASIN (3' DIA) RIM = 850.40 Pipe-201A = 846.71			
300	CATCH BASIN - CURB RIM = 849.85 Pipe-301 = 846.80 Pipe-300 = 846.80			
301	CATCH BASIN - CURB RIM = 850.00 Pipe-302 = 847.33 Pipe-301 = 847.33			
302	YARD DRAIN (24" DIA) RIM = 850.00 Pipe-302 = 848.00			
400	CATCH BASIN - CURB RIM = 849.50 Pipe-401 = 846.65 Pipe-400 = 846.65			

Storm Pipe Table					
Pipe Name	Size	Material	Length	Slope	Description
Pipe-101	24	HDPE	14	0.42%	EXISTING INV = 594.96 +/-
Pipe-200	12	PVC	105	0.52%	SIZED FOR 100-YR STORM EVENT
Pipe-201	12	PVC	92	0.51%	SIZED FOR 100-YR STORM EVENT
Pipe-201A	12	PVC	32	0.50%	SIZED FOR 100-YR STORM EVENT
Pipe-300	12	PVC	86	0.93%	SIZED FOR 100-YR STORM EVENT
Pipe-301	12	PVC	106	0.50%	SIZED FOR 100-YR STORM EVENT
Pipe-302	8	PVC	39	1.70%	SIZED FOR 100-YR STORM EVENT
Pipe-400	12	PVC	80	0.81%	SIZED FOR 100-YR STORM EVENT
Pipe-401	12	PVC	45	0.79%	SIZED FOR 100-YR STORM EVENT

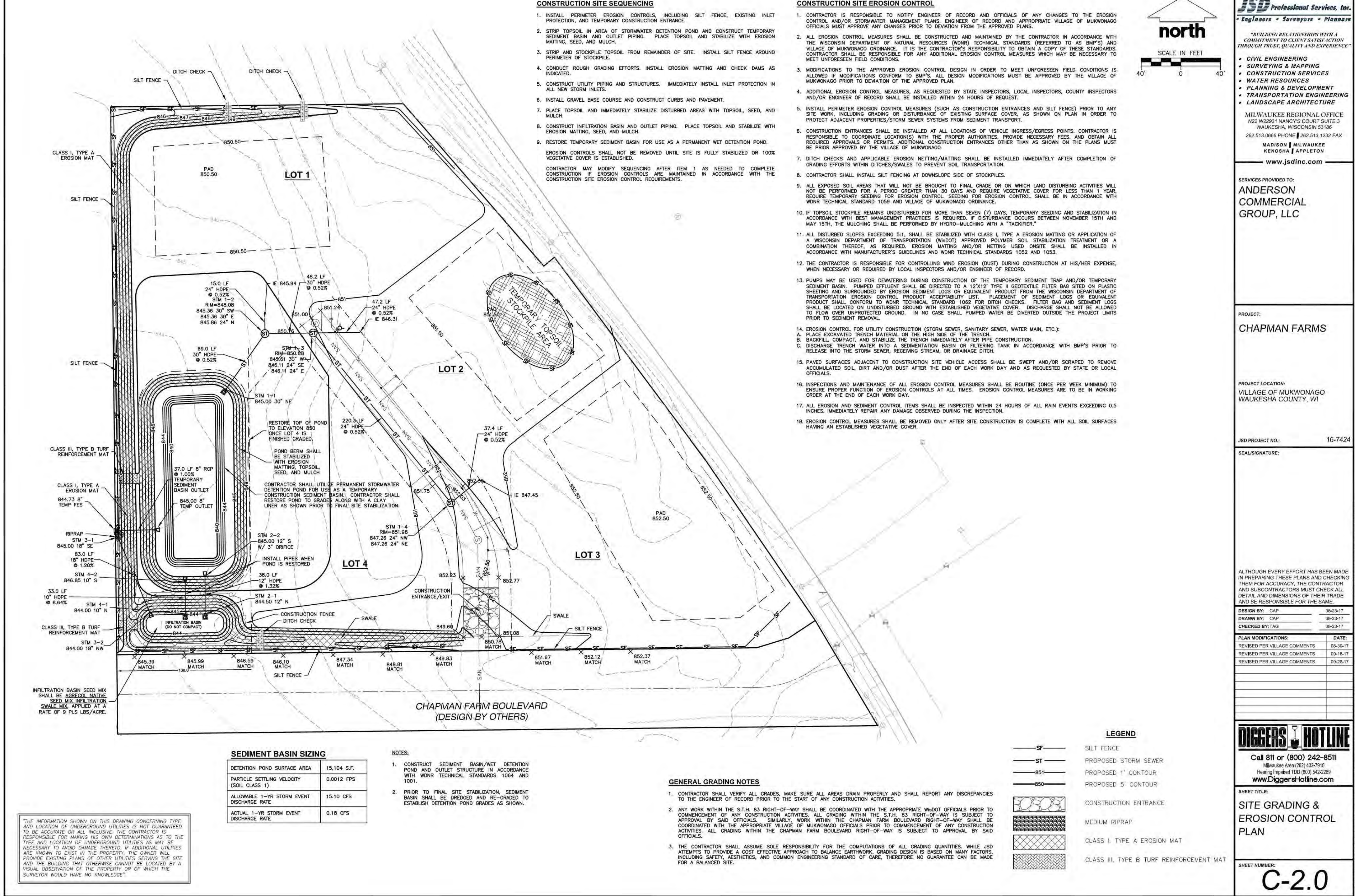
UTILITY LEGEND

SYMBOL	DESCRIPTION
	EXISTING WATER MAIN
	PROPOSED WATER SERVICE
	EXISTING ELECTRICAL LINE
	PROPOSED ELECTRICAL LINE
	EXISTING GAS MAIN
	PROPOSED GAS MAIN
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	OVERHEAD WIRES
	EXISTING POWER POLES
	EXISTING LIGHT POLES
	SANITARY MANHOLE
	FIRE HYDRANT
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING STORM STRUCTURE
	PROPOSED STORM STRUCTURE
	DENOTES EMERGENCY OVERFLOW ROUTE / DRAINAGE PATH
	PROPOSED & EXISTING SPOT GRADE

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THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THEREOF. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL OBSERVATION OF THE PROPERTY OR OF WHICH THE SURVEYOR WOULD HAVE NO KNOWLEDGE.



GENERAL NOTES AND SPECIFICATIONS

- THE EXISTING SITE INFORMATION ON THIS PLAN WAS TAKEN FROM A SITE SURVEY PROVIDED BY JSD PROFESSIONAL SERVICES. THE ENGINEER MAKES NO WARRANTY OR REPRESENTATION WITH REFERENCE TO THE ACCURACY AND COMPLETENESS OF THE EXISTING CONDITIONS INDICATED OR NOT INDICATED ON THE ENGINEERING PLANS PROVIDED. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SITE CONDITIONS INCLUDING UNDERGROUND UTILITIES, UNDERGROUND UTILITY ELEVATIONS, BUILDING SETBACKS AND EXISTING BUILDING LOCATIONS. THE CONTRACTOR SHALL INFORM THE OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH WORK. QUESTIONS REGARDING THE EXISTING SURVEY SHALL BE DIRECTED TO THE PARTIES LISTED ABOVE.
- BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL TO BE CONNECTED TO (VERIFYING ELEVATION, LOCATION AND SIZE). SHOULD THE EXISTING UTILITY NOT BE AS INDICATED ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR EVALUATION.
- ALL UTILITY CONSTRUCTION SHALL ADHERE TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (2003), AS WELL AS, THE VILLAGE OF MUKWONAGO CONSTRUCTION STANDARDS AND THE DEPT. OF SAFETY AND PROFESSIONAL SERVICED SEC. 382-387.
- ALL UTILITY PERMITS MUST BE RECEIVED FROM THE VILLAGE OF MUKWONAGO PRIOR TO THE START OF CONSTRUCTION.
- NOTIFY THE PUBLIC WORKS INSPECTION DEPT. AT LEAST 48 HOURS BEFORE STARTING CONSTRUCTION.
- BACKFILL REQUIREMENTS AND ROADWAY/SIDEWALK RESTORATION SHALL ADHERE TO LOCAL STANDARDS (GRANULAR BACKFILL UNDER OR WITHIN 5' OF CURBS, SIDEWALK, OR PAVEMENT. SPOIL MAY BE USED ELSEWHERE. SLURRY BACKFILL WILL BE REQUIRED IN PUBLIC ROADWAYS.)
- ALL BUILDING UTILITIES SHALL BE VERIFIED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- ALL PROPOSED WATERMAIN SHALL BE PVC SDR 18, CLASS 150, AWWA C900 WITH ELASTOMERIC JOINTS.
- PROPOSED SANITARY SEWER PIPE SHALL BE PVC, ASTM D-3034, SDR 35 WITH RUBBER GASKETED JOINTS CONFORMING TO ASTM D-3212.
- PROPOSED STORM SEWER SHALL BE PVC, ASTM D-3034, SDR 35 WITH RUBBER ELASTOMERIC JOINTS CONFORMING TO ASTM D-3212 (UNLESS OTHERWISE NOTED).
- UTILITY TRENCHES SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
- SILT FENCE AND ALL OTHER EROSION CONTROL METHODS MUST BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALSO, CONTRACTOR IS RESPONSIBLE FOR REMOVING EROSION CONTROL METHODS ONCE THE SITE IS STABILIZED.
- THE PROPOSED SITE LOCATION AND SURROUNDING STREETS MUST BE KEPT DEBRIS FREE. SWEEP STREETS AS NEEDED TO MAINTAIN CLEAN STREETS.
- ALL EXCAVATED OR STRIPPED MATERIALS NOT BEING REPLACED IN UTILITY TRENCHES OR BEING USED FOR FILL SHALL BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- ALL DISTURBED GRASS AREAS SHALL BE STABILIZED (PER DNR TECHNICAL STANDARDS) WITHIN 7 DAYS OF COMPLETION. DISTURBED GRASS AREAS SHALL BE TOPSOILED (6"), RESEEDED AND STABILIZED. AREAS WITH A SLOPE OF 3H:1V OR STEEPER SHALL BE COVERED WITH A CLASS 1 - TYPE A EROSION FABRIC. (SEE SPECIFICATIONS)
- SEE ARCHITECTURAL PLANS FOR EXACT BUILDING & FOUNDATION DETAILS AND ORIENTATION.
- ALL ON-SITE CONCRETE CURB AND GUTTER TO BE 18" WIDE VERTICAL FACE, UNLESS OTHERWISE NOTED. REVERSE OR REGULAR STYLE CURB DENOTED ON PLANS.
- ALL CURB ELEVATIONS ARE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. SEE CURB DETAIL FOR TOP OF CURB ELEVATIONS.
- ALL CURB RADII ARE MEASURED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MATCH PROPOSED CONCRETE CURB AND GUTTER, SIDEWALK AND PAVEMENT TO EXISTING IN ELEVATION AND ALIGNMENT.
- REMOVAL OF CURB AND GUTTER, SIDEWALK AND PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE WISCONSIN D.O.T.
- ALL CONCRETE FOR CURB AND GUTTER, ROADWAY AND SIDEWALKS MUST CONFORM TO THE STANDARD SPECIFICATIONS FOR READY MIXED CONCRETE. MINIMUM 28 DAY COMPRESSIVE STRENGTH TEST MUST EQUAL 4000 PSI.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PROPERTY CORNERS.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES OR SITE IMPROVEMENTS. CONTRACTOR SHALL DOCUMENT ALL EXISTING DAMAGE PRIOR TO START OF CONSTRUCTION AND NOTIFY CONSTRUCTION MANAGER OF ANY FINDINGS.
- PROJECT SAFETY ON-SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SOIL CONDITIONS, CONSTRUCTION MANAGER MAY HAVE SOILS REPORT FOR MORE INFO.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH A SET OF MARKED UP PLANS (AS-BUILTS) SHOWING ANY CHANGES DURING CONSTRUCTION.

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GENERAL NOTES:

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

IF ANY POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR WORMSHAKE SHAPE WITH THE ENDS POINTING UPWIND TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

1) CROSS BRACE WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.

2) MINIMUM 14 GAUGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C.C.

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

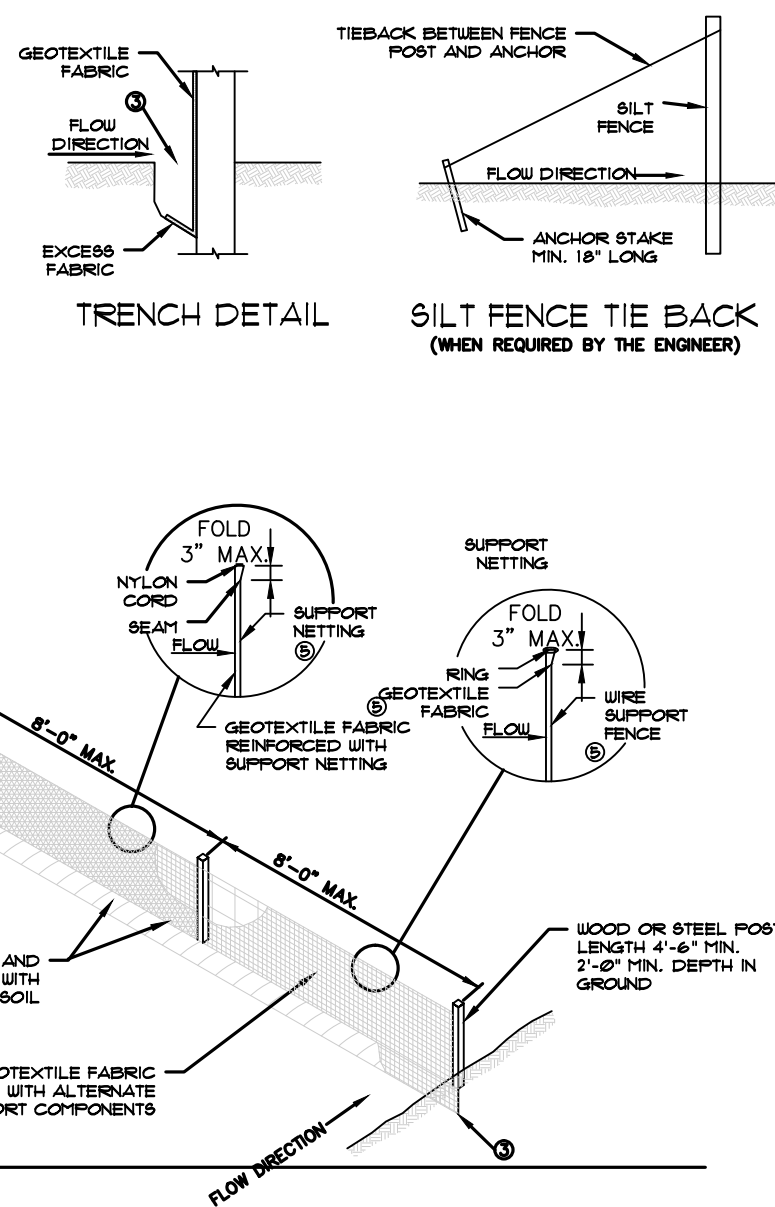
4) WIRE SUPPORT FENCE SHALL BE 14 GAUGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C.C.

5) GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLY-PROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.

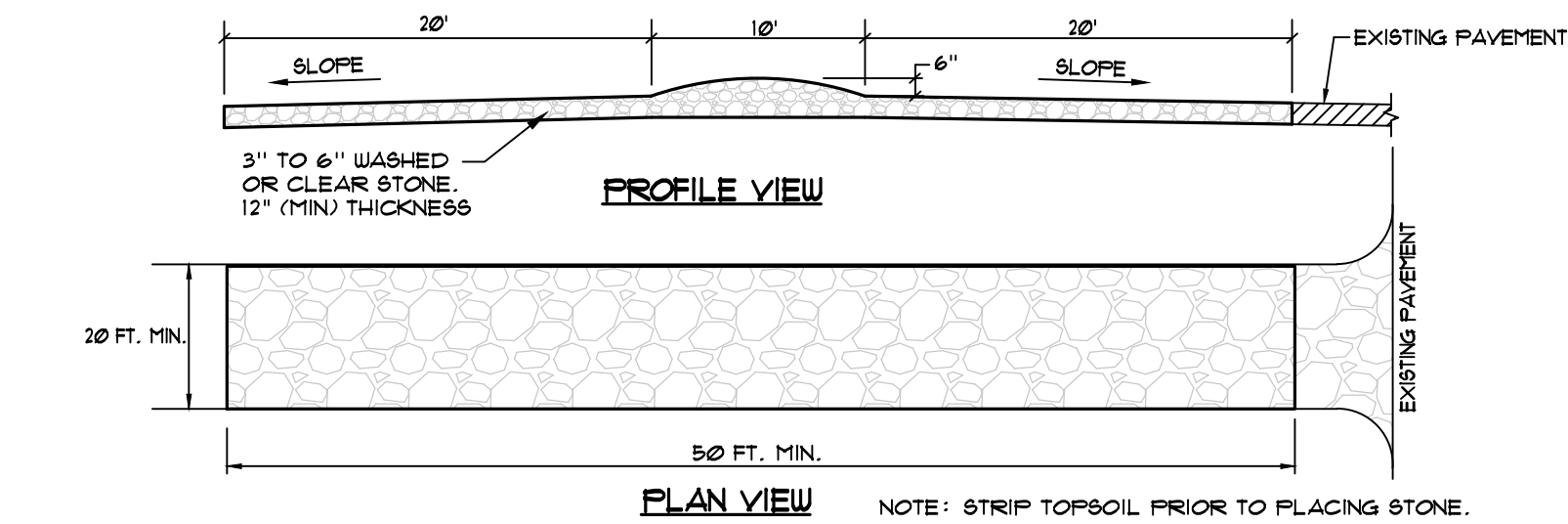
6) STEEL POSTS SHALL BE STUDDED 'TEE' OR 'U' TYPE WITH A MINIMUM WEIGHT OF 125 LB/M.F.T. (WITHOUT ANCHOR). PIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1-1/2" x 3-1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OAK OR HICKORY.

ALTERNATIVES A AND B ARE EQUAL AND EITHER MAY BE USED.

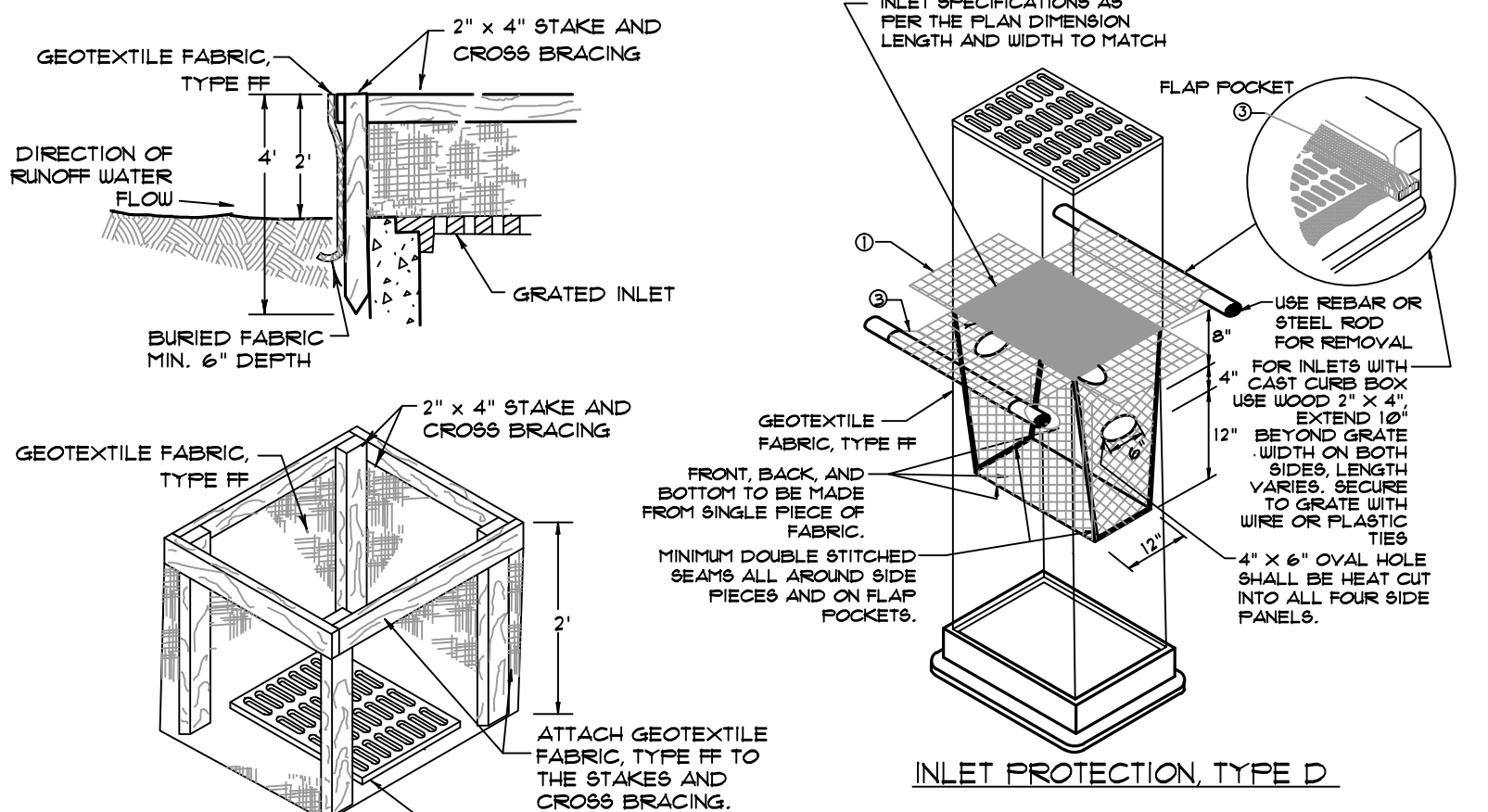
NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS.



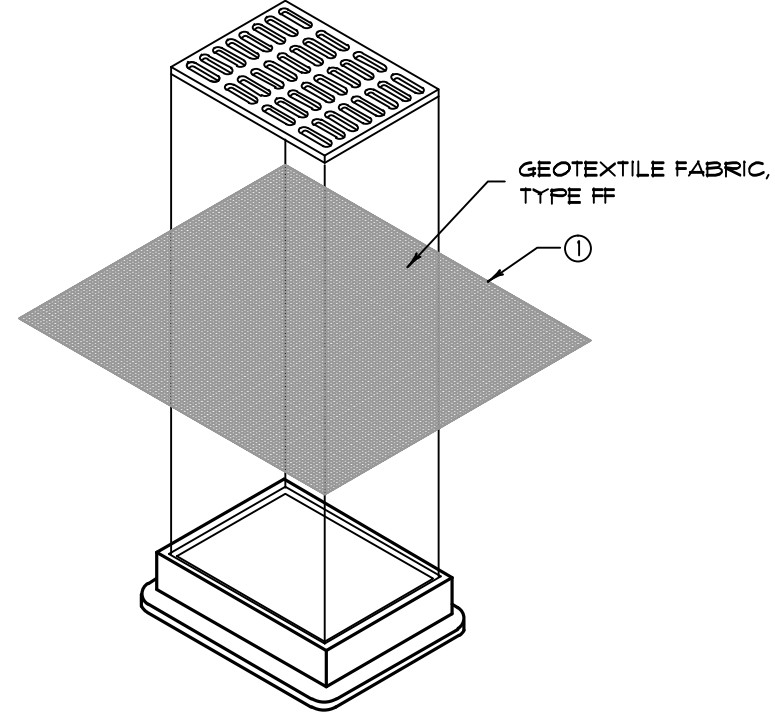
01 SILT FENCE
NTS



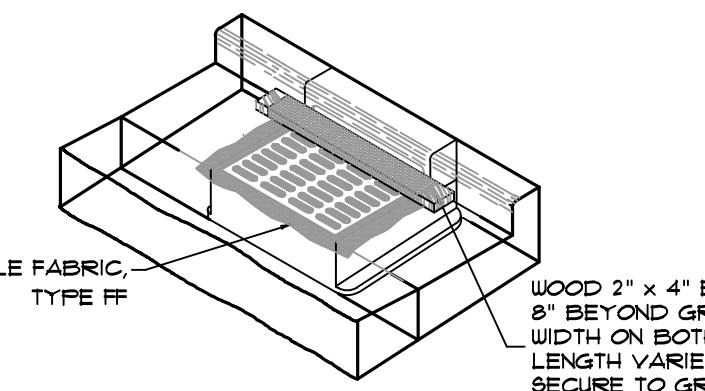
02 TRACKING PAD
NTS



INLET PROTECTION, TYPE A

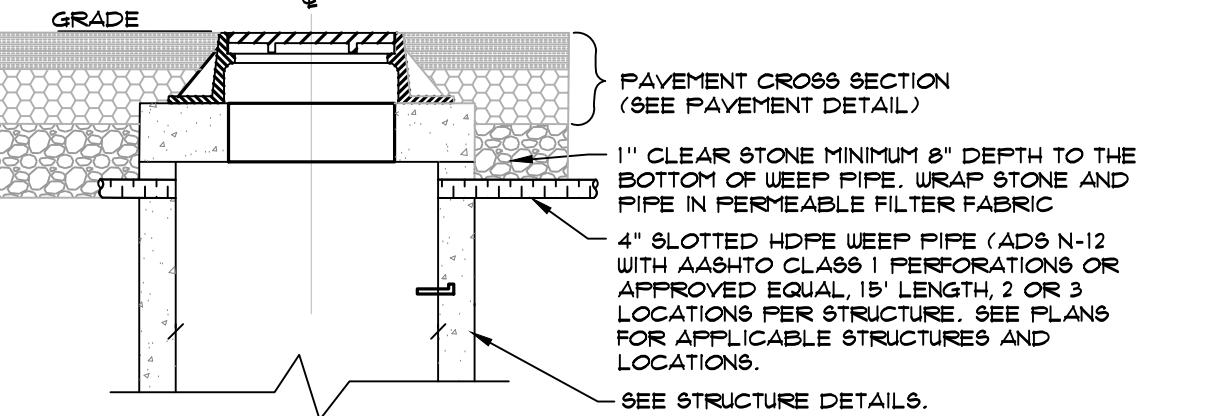


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

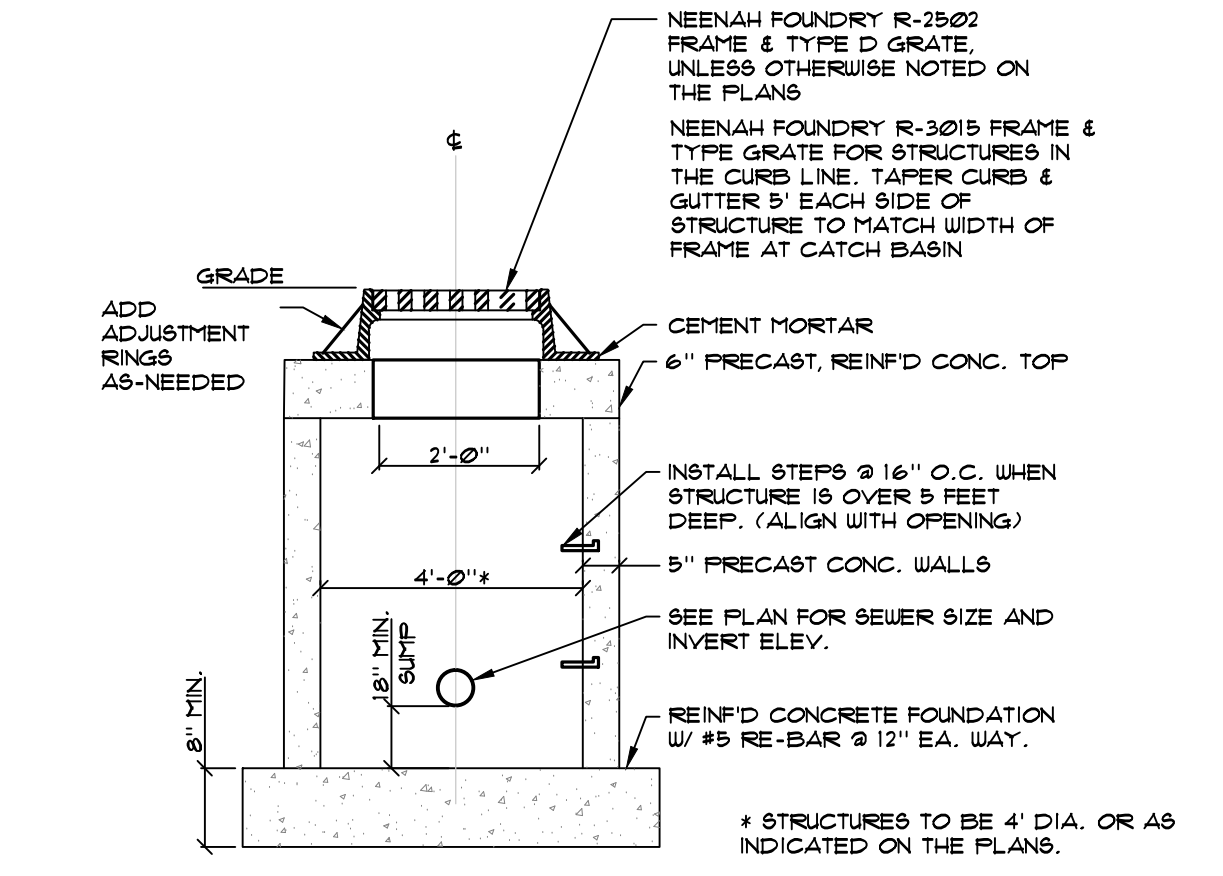


INLET PROTECTION, TYPE C (WITH CURB BOX)

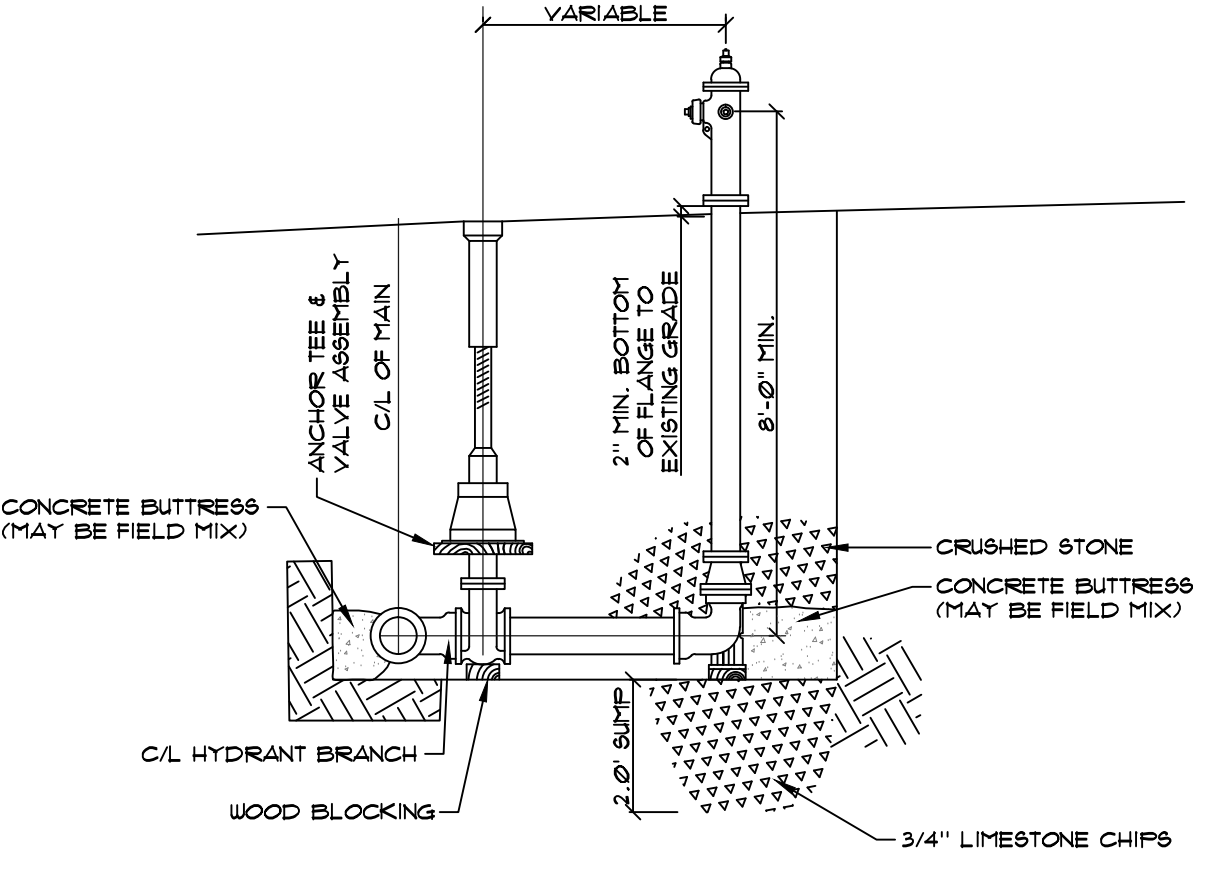
03 INLET PROTECTION
NTS



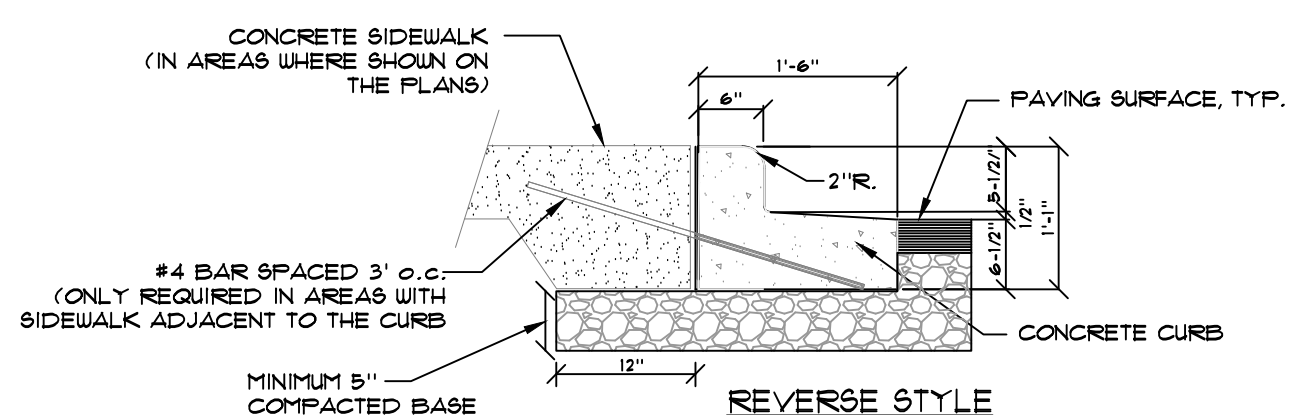
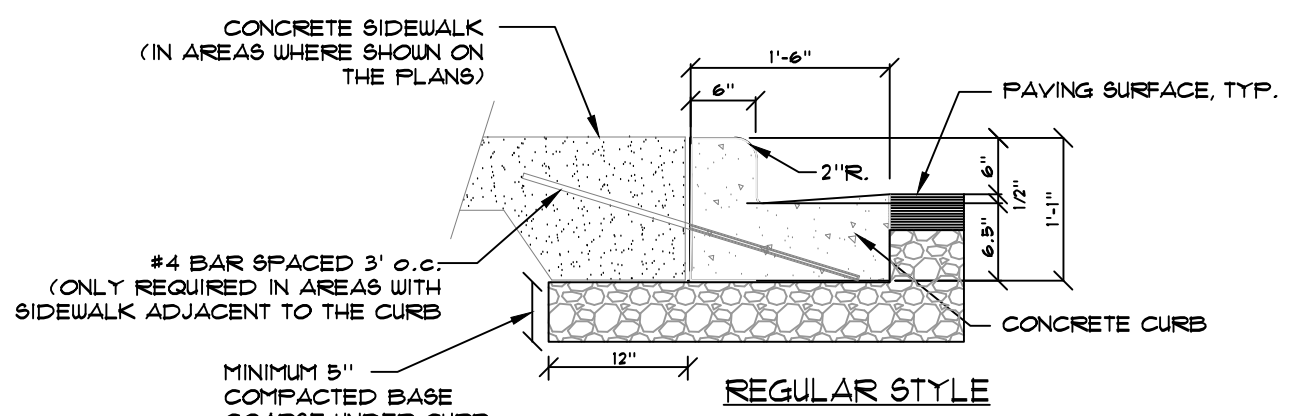
04 WEEP PIPE
NTS



05 CATCH BASIN
NTS



06 TYPICAL HYDRANT
NTS



07 VERTICAL FACE CURB - 18 IN WIDE
NTS

Consultant:

Harwood
Engineering
Consultants
255 North 21st Street, Milwaukee, WI 53233
414.475.5554 414.773.9299 fax harwood@HECL.COM
HEC Project Number: 16-0080.00

Project:

Mukwonago Health Center

Location:
State Highway 83,
Mukwonago, WI

Key Plan:

PLAN COMMISSION SET

NOT FOR CONSTRUCTION

DATE: DECEMBER, 04 2017

Sheet:

Construction Details

Scale:

Revisions:

No.	Date:	Description:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Date:

Issue Date: 12-04-2017

Project No.:

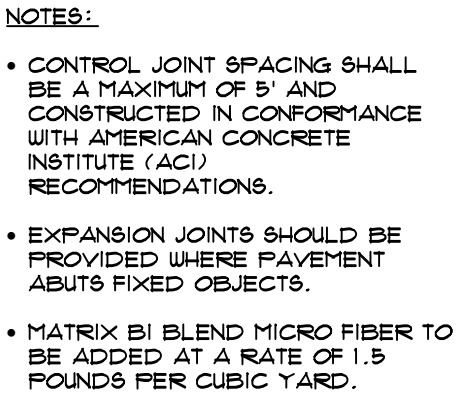
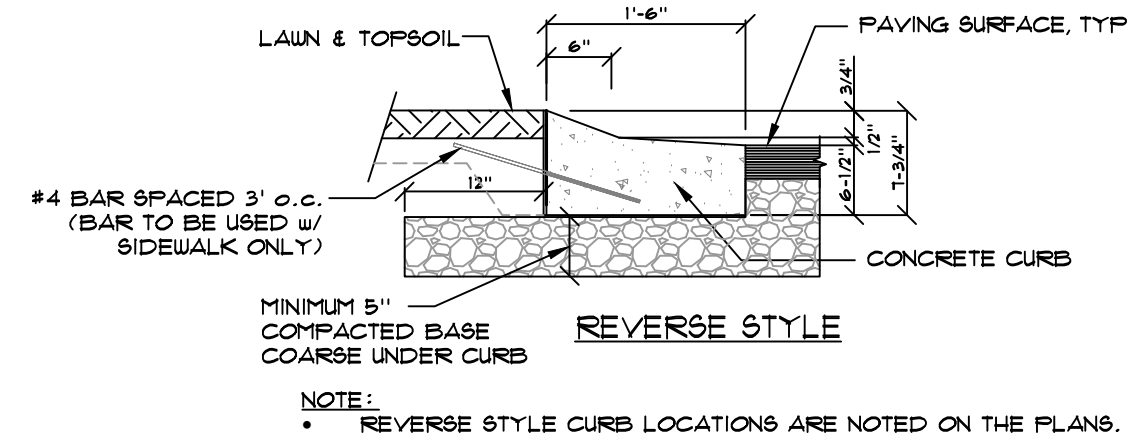
170077.00

(Owner) Project No.:

Sheet No.:

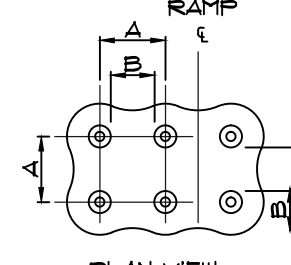
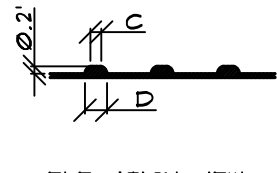
C5.00

THE CLIENT AGREES TO INDEMNIFY AND HOLD THE ARCHITECT HARMLESS FROM ANY CHARGE, LIABILITY OR COST, INCLUDING ATTORNEY'S FEES AND COSTS OF DEFENSE ARISING FROM ANY CHANGES OR ALTERATIONS MADE BY ANYONE OTHER THAN THE ARCHITECT, OR FROM ANY REUSE OF THE DRAWINGS AND DATA WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT.



NTS

* THE C DIMENSION IS 50% TO 65% IF THE D DIMENSION

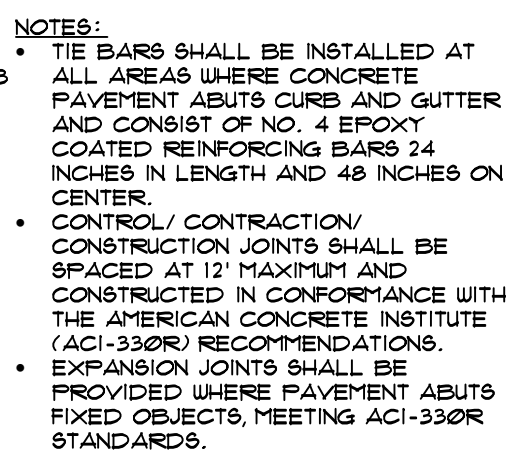


***DETECTABLE WARNING FIELDS TO BE NEENAH FOUNDRY DETECTABLE WARNING FIELDS (OR APPROVED EQUAL), UNPAINTED NATURAL COLOR AND FIELD WEATHERED PRIOR TO INSTALLATION (VERIFY COLOR W/ OWNER PRIOR TO INSTALLATION)

NTS



NTS



NTS



NTS

DATE: DECEMBER, 04 2017

Scale:

Revisions:

[illegible]

170077.00

Sheet No.: