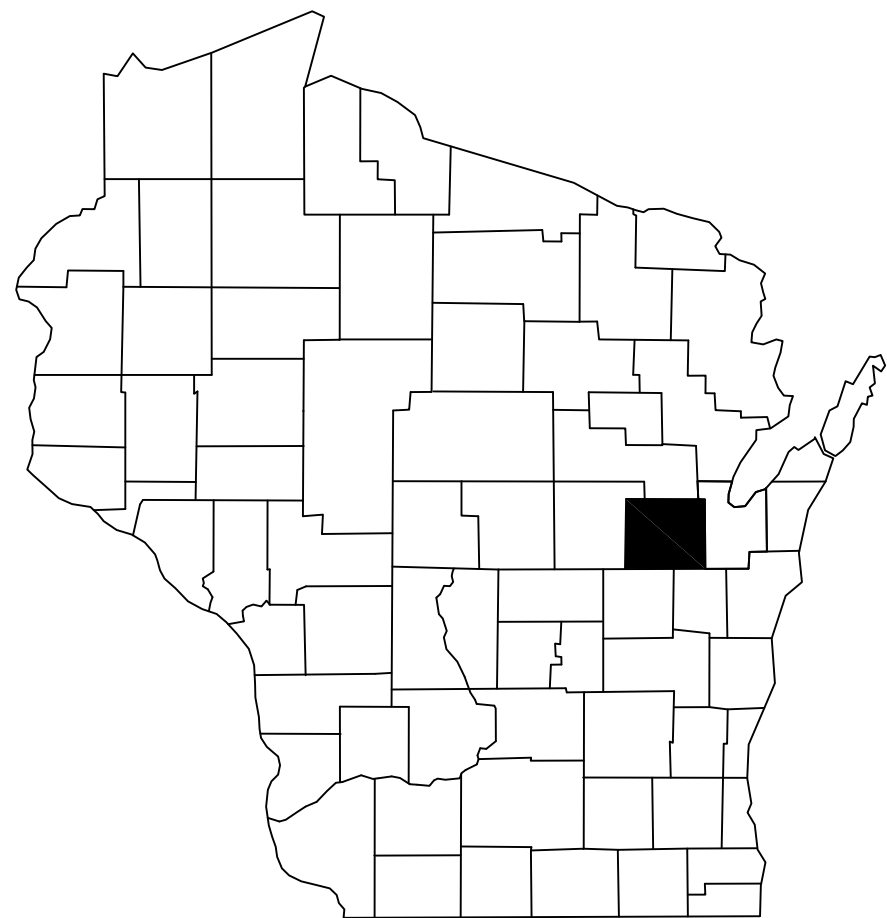


TYCORE BUILT WOLFINGER APARTMENTS VILLAGE OF COMBINED LOCKS

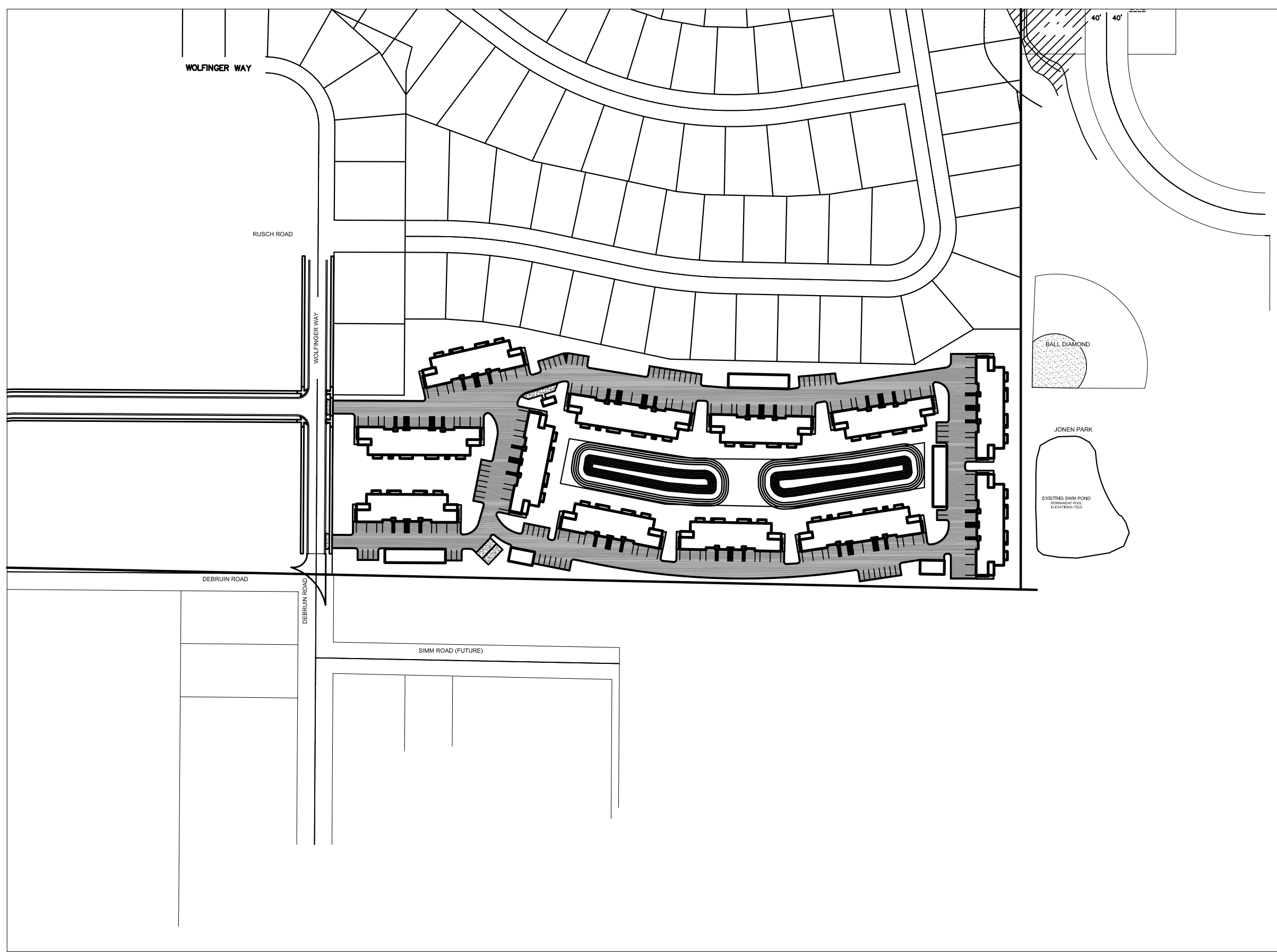


SITE STATISTICS:

SITE AREA, ENTIRE PARCEL:	12.86 AC.	100.00 %
BUILDING AREAS:	3.02 AC.	23.48%
ASPHALT PAVEMENT AREAS:	3.76 AC.	29.24%
CONCRETE AREAS:	0.14 AC.	1.09%
POND AREA:	0.75 AC.	5.83%
GREEN SPACE:	5.19 AC.	40.36%
IMPERVIOUS AREAS, (NOT INCLUDING POND AREA):	6.92 AC.	53.81%

PARKING STALL STATISTICS:

260 INTERIOR
288 EXTERIOR
548 STALLS / 126 UNITS = 4.35 STALL / UNIT



Vicinity Map
(not to scale)

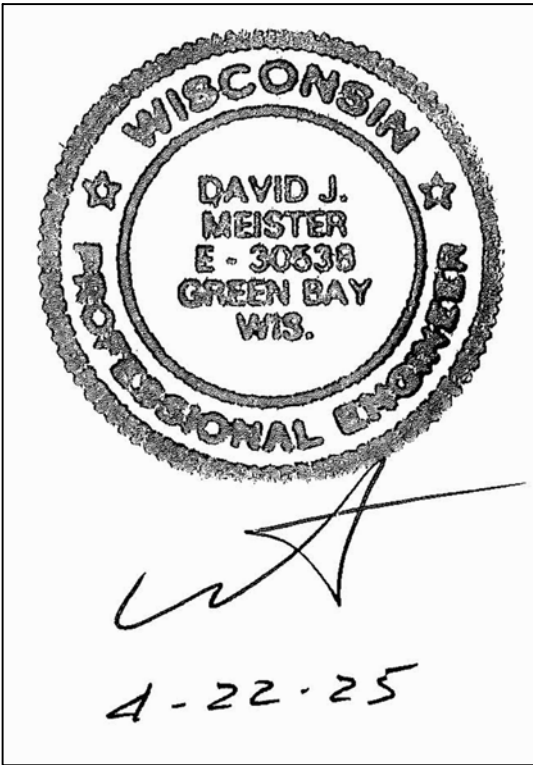
PROJECT INFORMATION

OWNER(S):	TYCORE BUILT
PROJECT NAME:	WOLFINGER APARTMENTS
PROJECT DESCRIPTION:	APARTMENT SITE AND STORMWATER MANAGEMENT
PROJECT LOCATION:	NORTHEAST CORNER OF DEBRUIN ROAD
PARCEL NUMBER(S):	158038 THRU 158041, 158088 & 158089

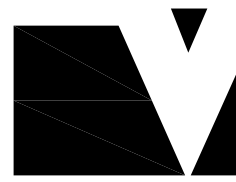
CONTACT INFORMATION

OWNER(S):	TYCORE BUILT 445 CARDINAL LANE, STE. 102 GREEN BAY, WI 54313 ATTN.: ALEX RYCZEK
ENGINEER:	VIERBICHER CONTACT: DAVID J. MEISTER, P.E. 400 SECURITY BLVD. GREEN BAY, WI 54313 PH.: 920-434-9670

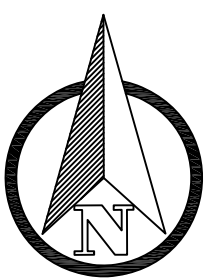
SHEET INDEX:	
C1.0	TITLE SHEET
C2.0	SITE LAYOUT PLAN
C3.0	EROSION CONTROL PLAN
C4.0	GRADING PLAN
C5.0	SITE UTILITY PLAN
C6.0	POND PLAN & PROFILE
C7.0	NOTES & DETAILS (1)
C7.1	NOTES & DETAILS (2)



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DATE:	04-22-25
PROJECT NO.	240200
SHEET NO.	C1.0
DRAWING NO.	S-3980



GRAPHIC SCALE: 1" = 50'

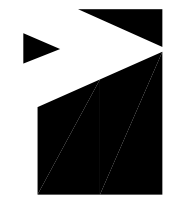


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DATE
04-22-25

Number	Date	Comments
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TYCORE BUILDS SITE LAYOUT

PROJECT NO.
240200

SHEET NO.
C2.0

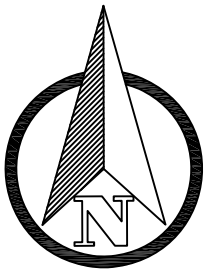
DRAWING NO.
S-3980

File: 240200_Alt Eng 042225.dwg



TABLE 1- PRESORPTIVE COMPLIANCE AREA SOIL STABILIZATION

PRESORPTIVE COMPLIANCE AREAS	BARE SOIL	SLOPE & CHANNEL MANAGEMENT	PERIODS OF INACTIVITY	FINAL GRADE
SOIL STOCKPILES THAT WILL EXIST FOR MORE THAN 7 DAYS	AREAS THAT DO NOT DRAIN TO SEDIMENT BASINS OR TRAPS	GENERAL DESIGN AND IMPLEMENT APPROVED SOIL STABILIZATION PRACTICES PER DNR TECHNICAL STANDARDS.	PLANNED INACTIVITY STABILIZE AREA IMMEDIATELY IF AREA WILL BE LEFT INACTIVE FOR MORE THAN 14 DAYS.	PERMANENT FEATURES STABILIZE AREA IMMEDIATELY AFTER REACHING FINAL GRADE.
UTILITY TRENCH BACKFILLS	AREAS THAT DRAIN TO SEDIMENT BASINS OR TRAPS	REFER TO WSDOT SLOPE & CHANNEL MATRICES FOR APPROPRIATE SLOPE AND SLOPE LENGTH CONDITIONS.	UNPLANNED INACTIVITY STABILIZE AREA IMMEDIATELY IF PERIOD OF INACTIVITY REACHES 14 DAYS.	TEMPORARY FEATURES STABILIZE AREA IMMEDIATELY AFTER ESTABLISHMENT OF TEMPORARY FEATURE OR REACHING SPECIFIED TEMPORARY GRADE.
TEMPORARY DITCHES/SWALES THAT WILL EXIST FOR MORE THAN 7 DAYS	LIMIT THE DURATION OF SOIL EXPOSURE TO NO MORE THAN 30 DAYS. HOWEVER, USE THE DURATION FROM THE SOIL LOSS AND SEDIMENT DISCHARGE CALCULATIONS FOR THE OTHER AREAS OF THE SITE IF LESS THAN 90 DAYS.	SLOPES STEEPER THAN 20%		
PERMANENT DITCHES/SWALES	SMALL AREAS - LESS THAN 1 ACRE AND LESS THAN 1% OF SITE	PROVIDE STABLE DIVERSION OF OFF-SITE RUNOFF AROUND THE SLOPE.		
DISCRETE AREAS - LESS THAN 1 ACRE	STORM WATER PRACTICE SIDE SLOPES	PROVIDE SLOPE INTERRUPTION DEVICES IN ACCORDANCE WITH MANUFACTURED PERIMETER CONTROL & SLOPE INTERRUPTION PRODUCTS TECHNICAL STANDARD 1071 OR EQUIVALENT METHODS TO REDUCE UNINTERRUPTED SLOPE LENGTH.		
SLOPES STEEPER THAN 20%				



GRAPHIC SCALE: 1" = 50'



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TYCORE BUILDS
EROSION CONTROL PLAN

PROJECT NO.
240200

SHEET NO.
C3.0

DRAWING NO.
S-3980

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TYCORE BUILDS

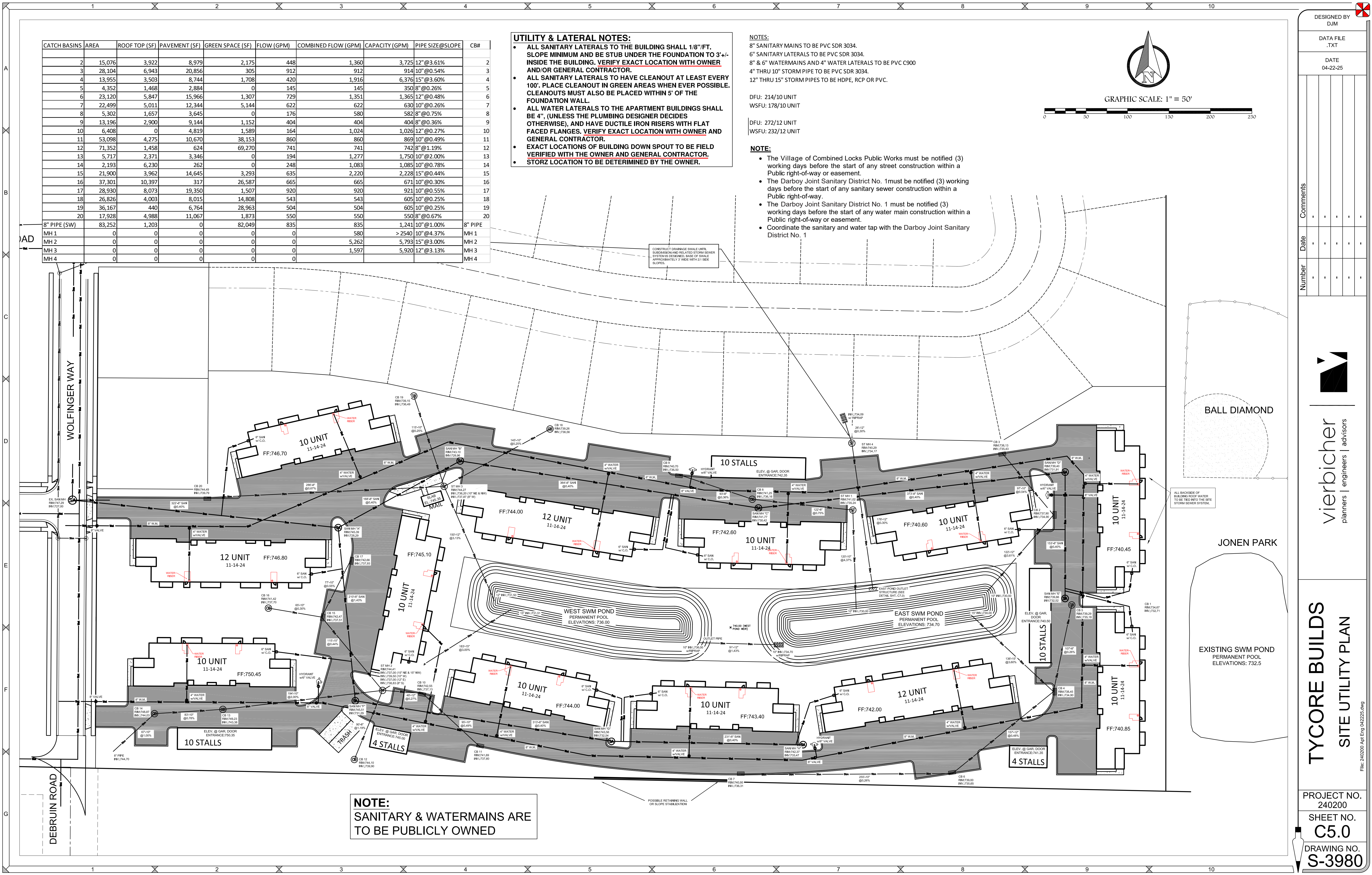
GRADING PLAN

PROJECT NO.
240200

SHEET NO.
C4.0

DRAWING NO.
S-3980

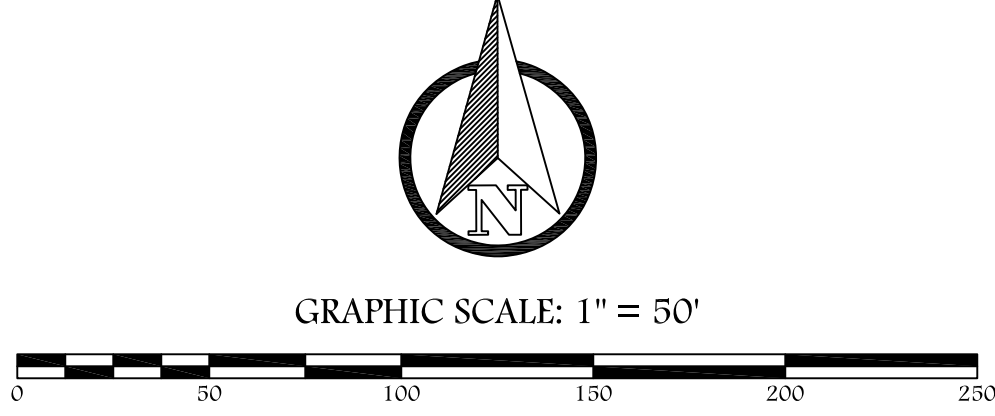
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CATCH BASINS	AREA	ROOF TOP (SF)	PAVEMENT (SF)	GREEN SPACE (SF)	FLOW (GPM)	COMBINED FLOW (GPM)	CAPACITY (GPM)	PIPE SIZE@SLOPE	CB#
2	15,076	3,922	8,979	2,175	448	1,360	3,725	12" @ 3.61%	2
3	28,104	6,943	20,856	305	912	912	914	10" @ 0.54%	3
4	13,955	3,503	8,744	1,708	420	1,916	6,376	15" @ 3.60%	4
5	4,352	1,468	2,884	0	145	145	350	8" @ 0.26%	5
6	23,120	5,847	15,966	1,307	729	1,351	1,365	12" @ 0.48%	6
7	22,499	5,011	12,344	5,144	622	622	630	10" @ 0.26%	7
8	5,302	1,657	3,645	0	176	580	582	8" @ 0.75%	8
9	13,196	2,900	9,144	1,152	404	404	404	8" @ 0.36%	9
10	6,408	0	4,819	1,589	164	1,024	1,026	12" @ 0.27%	10
11	53,098	4,275	10,670	38,153	860	860	869	10" @ 0.49%	11
12	71,352	1,458	624	69,270	741	741	742	8" @ 1.19%	12
13	5,717	2,371	3,346	0	194	1,277	1,750	10" @ 2.00%	13
14	2,193	6,230	262	0	248	1,083	1,085	10" @ 0.78%	14
15	21,900	3,962	14,645	3,293	635	2,220	2,228	15" @ 0.44%	15
16	37,301	10,397	317	26,587	665	665	671	10" @ 0.30%	16
17	28,930	8,073	19,350	1,507	920	920	921	10" @ 0.55%	17
18	26,826	4,003	8,015	14,808	543	543	605	10" @ 0.25%	18
19	36,167	440	6,764	28,963	504	504	605	10" @ 0.25%	19
20	17,928	4,988	11,067	1,873	550	550	550	8" @ 0.67%	20
8" PIPE (SW)	83,252	1,203	0	82,049	835	835	1,241	10" @ 1.00%	8" PIPE
MH 1	0	0	0	0	0	580	> 2540	10" @ 4.37%	MH 1
MH 2	0	0	0	0	0	5,262	5,793	15" @ 3.00%	MH 2
MH 3	0	0	0	0	0	1,597	5,920	12" @ 3.13%	MH 3
MH 4	0	0	0	0	0				MH 4

- UTILITY & LATERAL NOTES:**
- ALL SANITARY LATERALS TO THE BUILDING SHALL 1/8"/FT. SLOPE MINIMUM AND BE STUB UNDER THE FOUNDATION TO 3' +/- INSIDE THE BUILDING. VERIFY EXACT LOCATION WITH OWNER AND/OR GENERAL CONTRACTOR.
 - ALL SANITARY LATERALS TO HAVE CLEANOUT AT LEAST EVERY 100'. PLACE CLEANOUT IN GREEN AREAS WHEN EVER POSSIBLE. CLEANOUTS MUST ALSO BE PLACED WITHIN 5' OF THE FOUNDATION WALL.
 - ALL WATER LATERALS TO THE APARTMENT BUILDINGS SHALL BE 4", (UNLESS THE PLUMBING DESIGNER DECIDES OTHERWISE), AND HAVE DUCTILE IRON RISERS WITH FLAT FACED FLANGES. VERIFY EXACT LOCATION WITH OWNER AND GENERAL CONTRACTOR.
 - EXACT LOCATIONS OF BUILDING DOWN SPOUT TO BE FIELD VERIFIED WITH THE OWNER AND GENERAL CONTRACTOR.
 - STORZ LOCATION TO BE DETERMINED BY THE OWNER.

- NOTES:**
- 8" SANITARY MAINS TO BE PVC SDR 3034.
 - 6" SANITARY LATERALS TO BE PVC SDR 3034.
 - 8" & 6" WATER MAINS AND 4" WATER LATERALS TO BE PVC C900
 - 4" THRU 10" STORM PIPE TO BE PVC SDR 3034.
 - 12" THRU 15" STORM PIPES TO BE HDPE, RCP OR PVC.
- DFU: 214/10 UNIT
WSFU: 178/10 UNIT
- DFU: 272/12 UNIT
WSFU: 232/12 UNIT
- NOTE:**
- The Village of Combined Locks Public Works must be notified (3) working days before the start of any street construction within a Public right-of-way or easement.
 - The Darboy Joint Sanitary District No. 1 must be notified (3) working days before the start of any sanitary sewer construction within a Public right-of-way.
 - The Darboy Joint Sanitary District No. 1 must be notified (3) working days before the start of any water main construction within a Public right-of-way or easement.
 - Coordinate the sanitary and water tap with the Darboy Joint Sanitary District No. 1



NOTE:
SANITARY & WATERMAINS ARE
TO BE PUBLICLY OWNED

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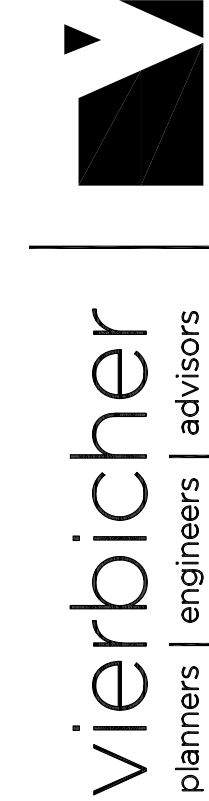
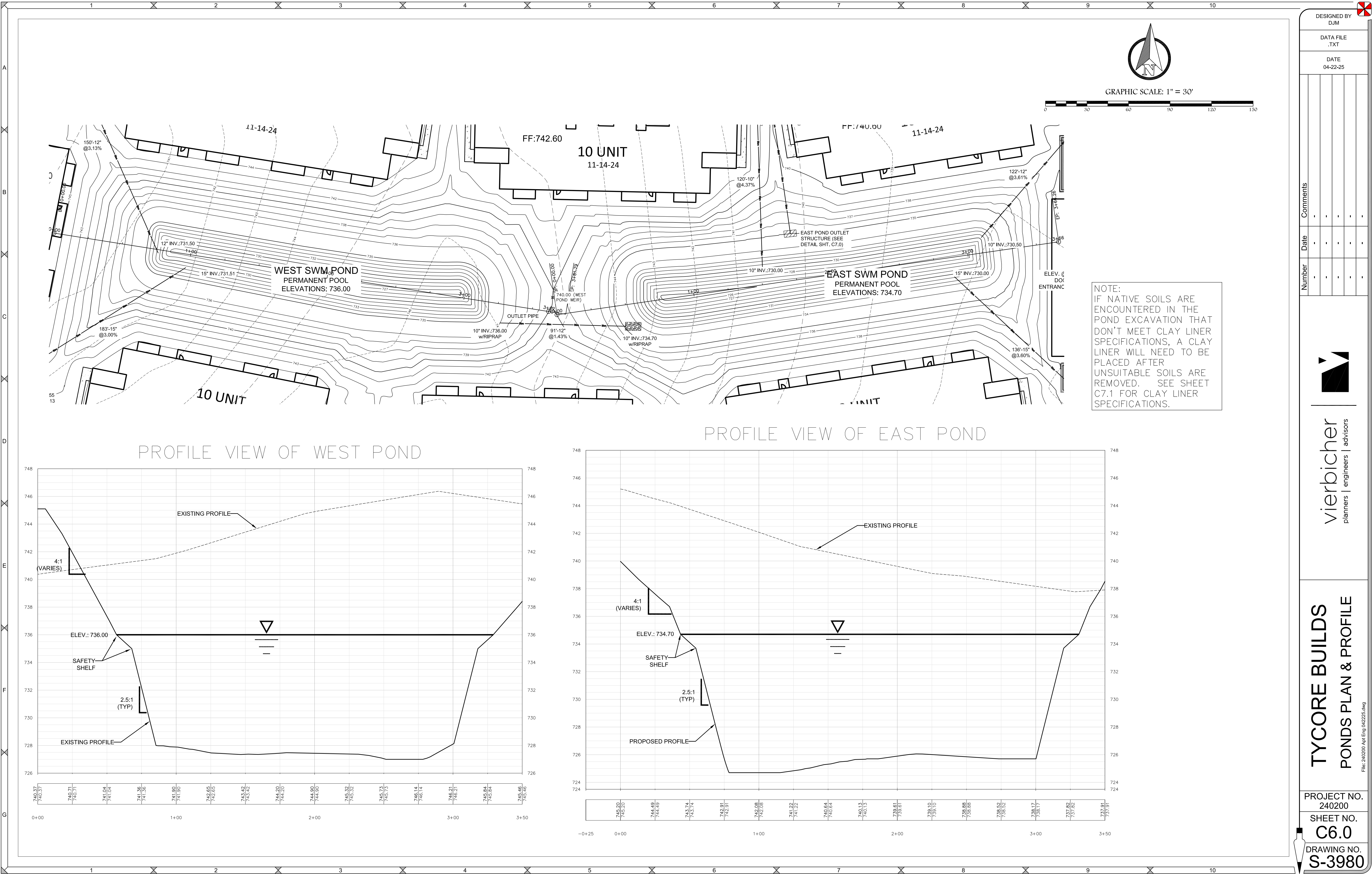
TYCORE BUILDS
SITE UTILITY PLAN

PROJECT NO.
240200

SHEET NO.
C5.0

DRAWING NO.
S-3980

FILE: 240200_Alt Eng_M4225.dwg



TYCORE BUILDS
PONDS PLAN & PROFILE

PROJECT NO.
240200

SHEET NO.
C6.0

DRAWING NO.
S-3980

CONSTRUCTION SITE EROSION CONTROL

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS AND IF NO STANDARD EXISTS THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK (CURRENT EDITION) SHALL BE REFERENCED. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO DISTURBING THE SITE. CONTRACTORS SHALL MINIMIZE THE DURATION AND SIZE OF DISTURBED AREAS TO THE MAXIMUM EXTENT PRACTICABLE. EROSION AND SEDIMENT CONTROL PRACTICES PROPOSED FOR THIS PROJECT ARE DESCRIBED AS FOLLOWS:

SEDIMENT TRACKING FROM CONSTRUCTION SITE:

- STONE TRACKING PAD(S) - TECHNICAL STANDARD 1057

STONE TRACKING PADS WILL BE INSTALLED AT ENTRANCES SHOWN ON THE SITE. TRACKING PADS SHALL BE IN PLACE PRIOR TO LAND DISTURBING ACTIVITIES.

WASH WATER FROM VEHICLE AND WHEEL WASHING SHALL BE TREATED BEFORE ENTERING WATERS OF THE STATE.

- STREET SWEEPING/CLEANING

SEDIMENT TRACKED FROM THE CONSTRUCTION SITE SHALL BE CLEANED UP AT THE END OF EACH WORK DAY UNLESS THE SEDIMENT PRESENTS A HAZARD. SEDIMENT PRESENTING A HAZARD MUST BE CLEANED UP IMMEDIATELY.

SEDIMENT CARRIED OFF-SITE BY OVERLAND FLOW OR RUNOFF:

- SILT FENCE - TECHNICAL STANDARD 1056

SILT FENCE WILL BE INSTALLED DOWN-SLOPE OF ALL DISTURBED AREAS OF THE SITE. THE FENCE SHALL BE INSTALLED ALONG THE CONTOURS AND BE IN-PLACE PRIOR TO LAND DISTURBING ACTIVITIES.

- SEEDING - TECHNICAL STANDARD 1059; MULCHING - TECHNICAL STANDARD 1058

DISTURBED AREAS OF THE SITE SHALL BE SEEDED AND MULCHED AS SOON AS THEY ARE BROUGHT TO FINISHED GRADE. IN ADDITION, ANY STOCK PILES IN PLACE FOR 7 DAYS OR MORE SHALL BE SEEDED AND MULCHED.

- NON-CHANNEL EROSION MAT - TECHNICAL STANDARD 1052

EROSION CONTROL MAT SHALL BE PLACED AS SHOWN ON THE PLANS, AND/OR AS DETERMINED IN THE FIELD, TO PROTECT THE DISTURBED SLOPES FROM EROSION. NON-CHANNEL EROSION MAT SHALL BE INSTALLED AS SOON AS THE SLOPE HAS BEEN BROUGHT TO FINISHED GRADE.

- CONSTRUCTION SITE DIVERSION - TECHNICAL STANDARD 1066

WHERE POSSIBLE, THE SITE WILL BE GRADED SUCH THE RUNOFF FROM UNDISTURBED AREAS IS ROUTED AROUND DISTURBED AREAS OF THE SITE.

SEDIMENT CARRIED OFF-SITE BY DEWATERING OPERATIONS:

- DEWATERING - TECHNICAL STANDARD 1061

DEWATERING IS NOT ANTICIPATED FOR THIS PROJECT. IF IT IS REQUIRED, DEWATERING SHALL BE IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD. ANY NECESSARY PERMITS SHALL BE OBTAINED PRIOR TO DEWATERING OPERATIONS TAKE PLACE.

SEDIMENT ENTERING STORM DRAIN INLETS:

- STORM DRAIN INLET PROTECTION - TECHNICAL STANDARD 1060

ALL INLETS, PROPOSED AND EXISTING, ACCEPTING RUNOFF FROM DISTURBED AREAS OF THE SITE SHALL HAVE INLET PROTECTION INSTALLED PRIOR TO LAND DISTURBING ACTIVITY WITHIN THE AREA DISCHARGING TO THE INLET.

SEDIMENT BEING CARRIED OFF-SITE BY WIND:

- DUST CONTROL - TECHNICAL STANDARD 1068

WHEN REQUIRED, DUST CONTROL MEASURES SHALL BE EMPLOYED TO PREVENT DUST FROM BLOWING OFF-SITE.

CONCRETE WASHOUT

- CONCRETE WASHOUT SHALL BE COLLECTED AND RETAINED, BOTH WATER AND CONCRETE, IN LEAK PROOF CONTAINERS. WASHOUT CAN BE RECYCLED OR REUSED. SEE <http://water.epa.gov/polwaste/npd/es/swbomp/upload/concretewashout.pdf> FOR DETAILS.

INSPECTION AND MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS UNTIL THE CONSTRUCTION SITE IS PERMANENTLY STABILIZED WITH A DENSE GRASS COVER. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS WEEKLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS FOR STRUCTURAL DAMAGE, SEDIMENT ACCUMULATION, OR ANY OTHER UNDESIRABLE CONDITION. THE CONTRACTOR SHALL REPAIR DAMAGED STRUCTURES PRIOR TO THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE STRUCTURE WHEN THE DEPTH OF SEDIMENT HAS ACCUMULATED TO ONE HALF THE HEIGHT OF THE DEVICE OR AS REQUIRED BY THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD (CURRENT EDITION).

THE CONTRACTOR SHALL SUMMARIZE WEEKLY INSPECTION AND MAINTENANCE ACTIVITIES ON A WEEKLY INSPECTION REPORT THAT IS AVAILABLE THROUGH THE WDNR.

THE WEEKLY INSPECTION REPORT SHALL INCLUDE THE FOLLOWING MINIMUM INFORMATION:

NAME OF INDIVIDUAL PERFORMING INSPECTION;

DATE, TIME, AND PLACE OF INSPECTION;

A DESCRIPTION OF THE CONSTRUCTION PHASE;

A DESCRIPTION OF EROSION AND SEDIMENT CONTROL INSTALLATIONS;

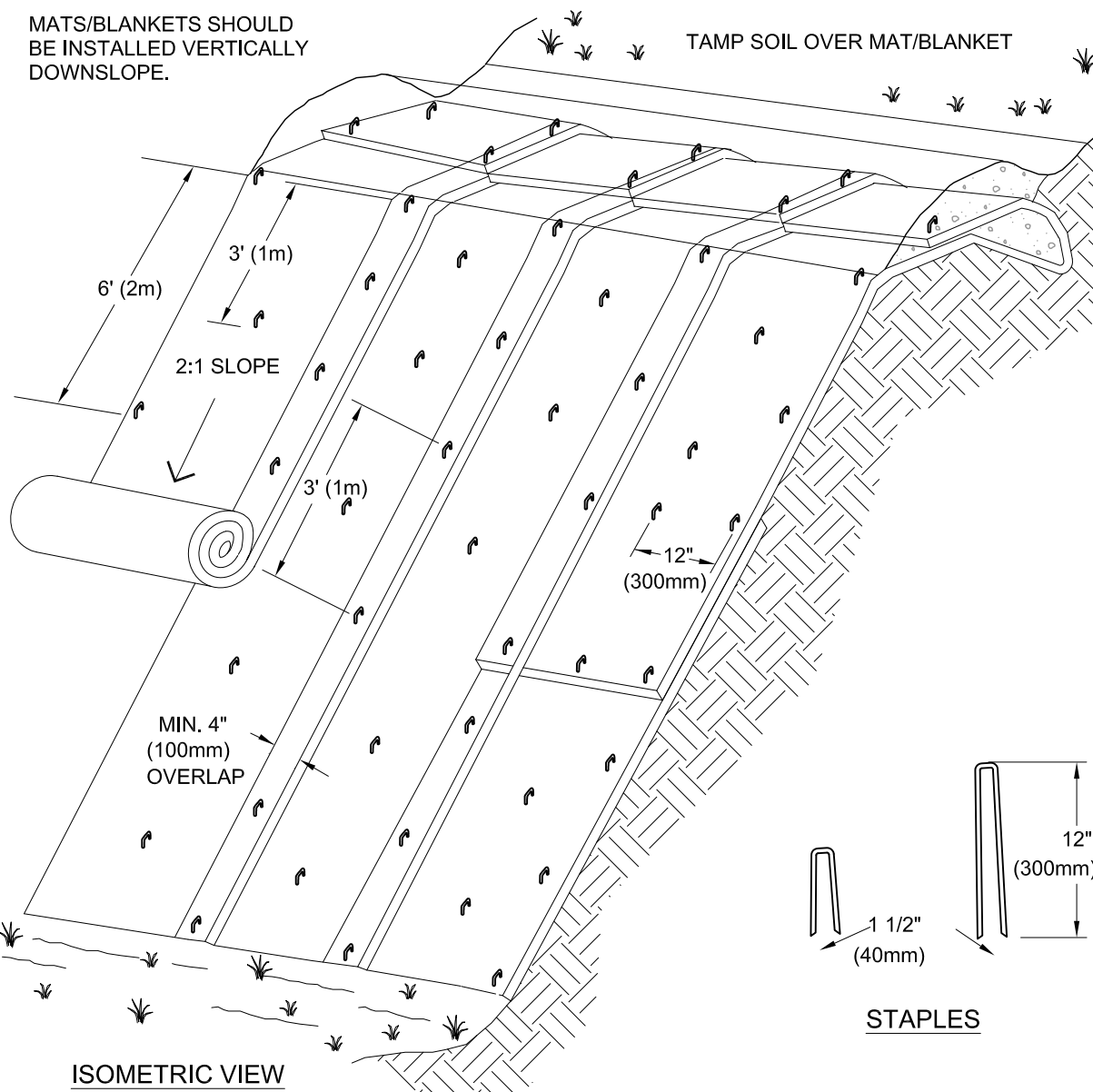
A DESCRIPTION OF EROSION AND SEDIMENT CONTROL MAINTENANCE ACTIVITIES;

AND AN ASSESSMENT OF EROSION AND SEDIMENT CONTROL CONDITIONS.

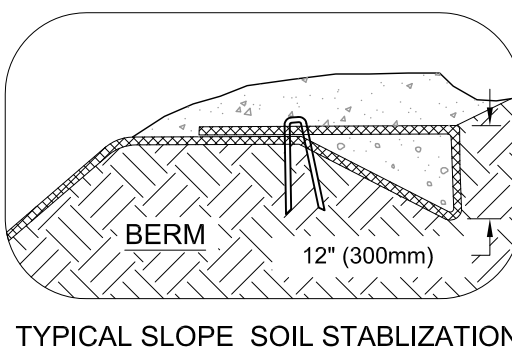
THE CONTRACTOR SHALL PROMPTLY FURNISH THE ORIGINAL WEEKLY INSPECTION REPORTS TO THE OWNER, OWNER'S REPRESENTATIVE, OR WISCONSIN DEPARTMENT OF NATURAL RESOURCES WHEN REQUESTED. THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED EROSION & SEDIMENT CONTROL PLAN, PERMITS, AND WEEKLY INSPECTION REPORTS ON-SITE AT ALL TIMES.

WEEKLY INSPECTIONS AND RAIN EVENT REPORTS SHOULD BE SENT TO "ErosionControl@greenbay.gov"

ALL WASTE FROM THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT BE ALLOWED TO ENTER THE STORM SEWER SYSTEM, DRAINAGE SYSTEM, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS LOCATED WITHIN THE CONSTRUCTION SITE, INCLUDING GARNERS CREEK.

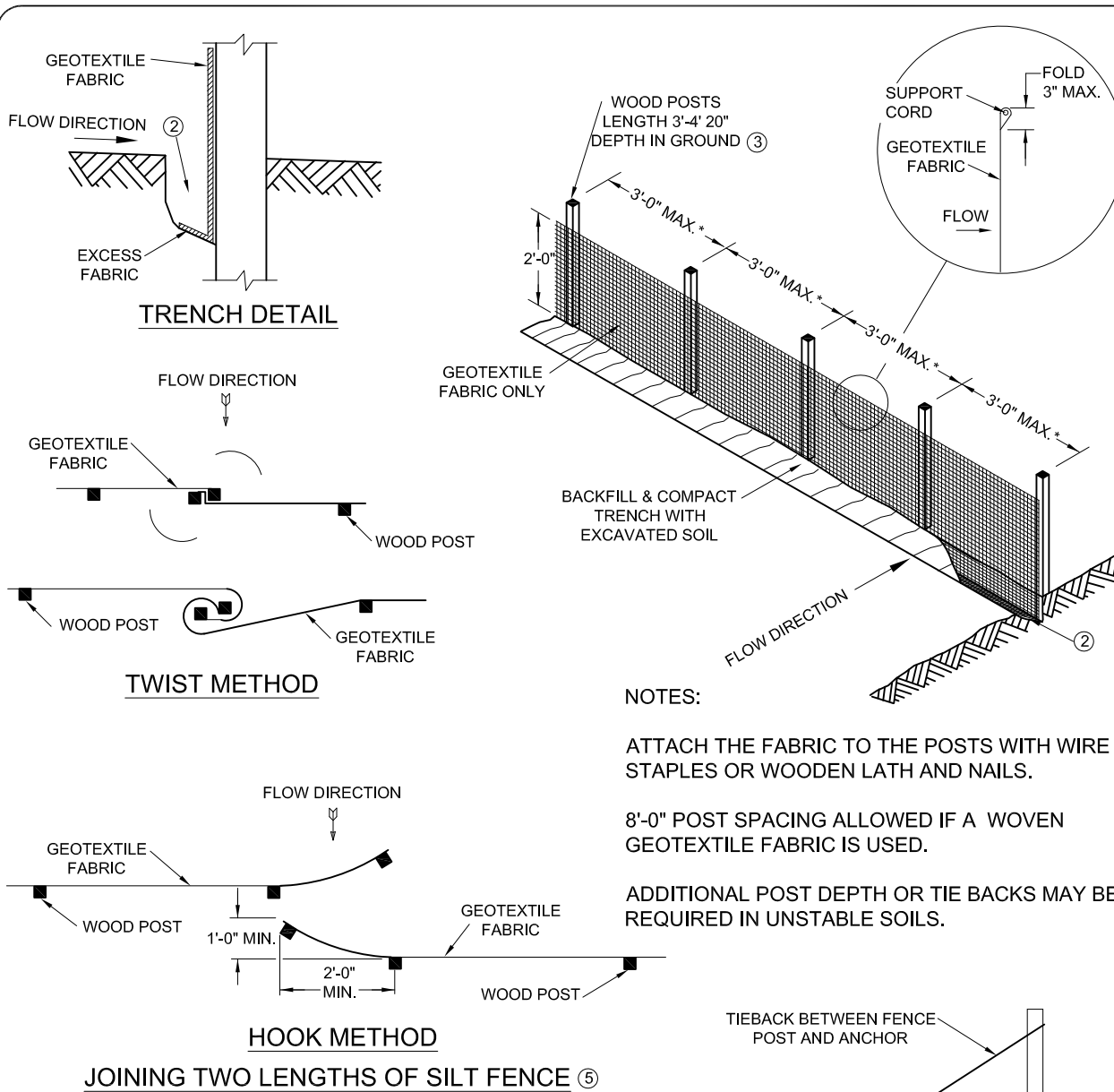


CLASS I: TYPE A MAT



EROSION CONTROL MAT FOR SLOPE INSTALLATION
N.T.S.

- NOTES:
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.



GENERAL NOTES:

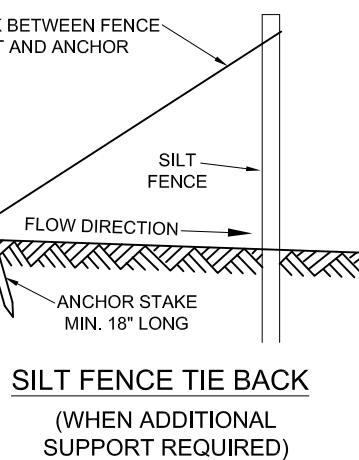
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

2. 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.

3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" X 1," OF OAK OR HICKORY.

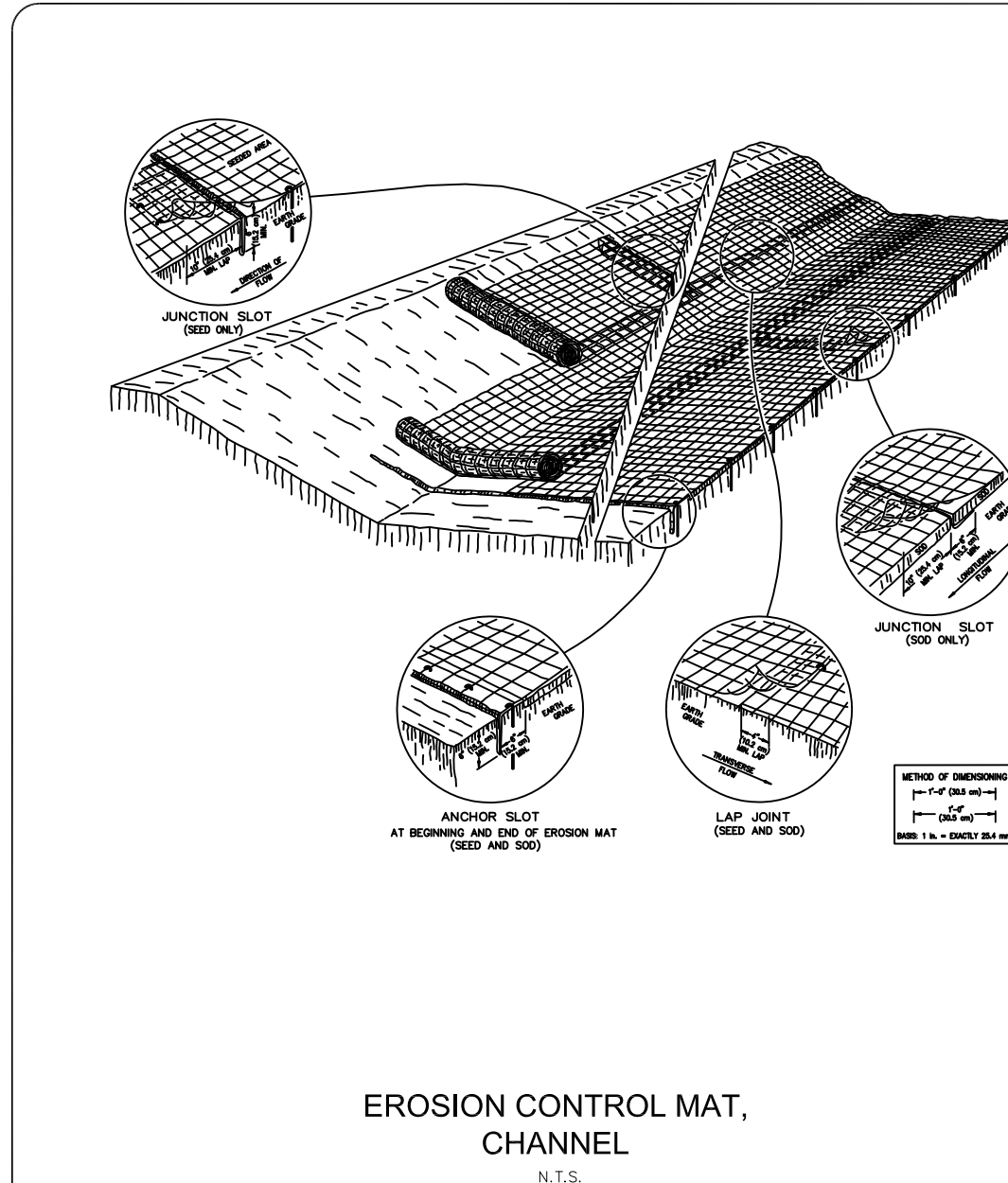
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

5. 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.



SILT FENCE
N.T.S.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS AND MNR TECHNICAL STANDARDS

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE SPECIFICATIONS.

EROSION MAT OVER SOD

a. ONLY AITE FABRIC WILL BE PERMITTED OVER SOD.

b. WOOD STAKES FOR SOD MAY BE LIMITED BY THE ENGINEER IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.

c. THE WIDTH OF THE EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.

d. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

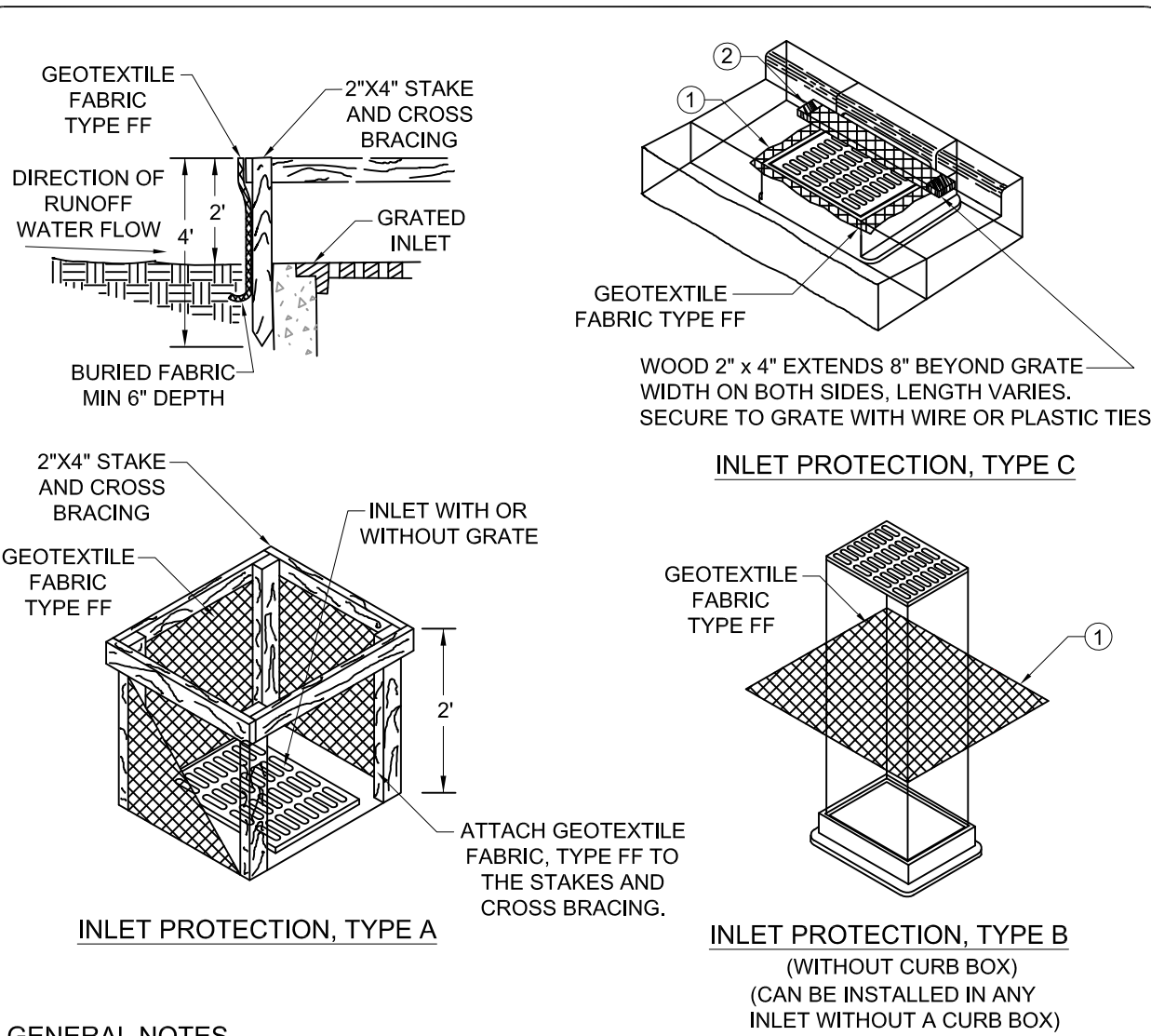
EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT.

EROSION MAT FOR SLOPES SHALL BE LISTED ON THE WISCONSIN DOT PRODUCT ACCEPTABILITY LIST (PAL) AND BE A 100% BIODEGRADABLE. CLASS 1 TYPE B DOUBLE NETTED PRODUCTS SHOULD BE USED IN CHANNELS.

STAPLES FOR ANCHORING THE EROSION MAT IN PLACE SHALL BE U-SHAPED, BIODEGRADABLE LANDSCAPE STAPLES. STAPLES TO BE E-STAPLE BY AMERICAN EXCELLOSOR OR EQUAL.

BD FORM AND PROJECT SPECIFICATIONS SHALL TAKE PRECEDENT OVER THIS DETAIL.



GENERAL NOTES

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED, WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

1.) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

2.) 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.

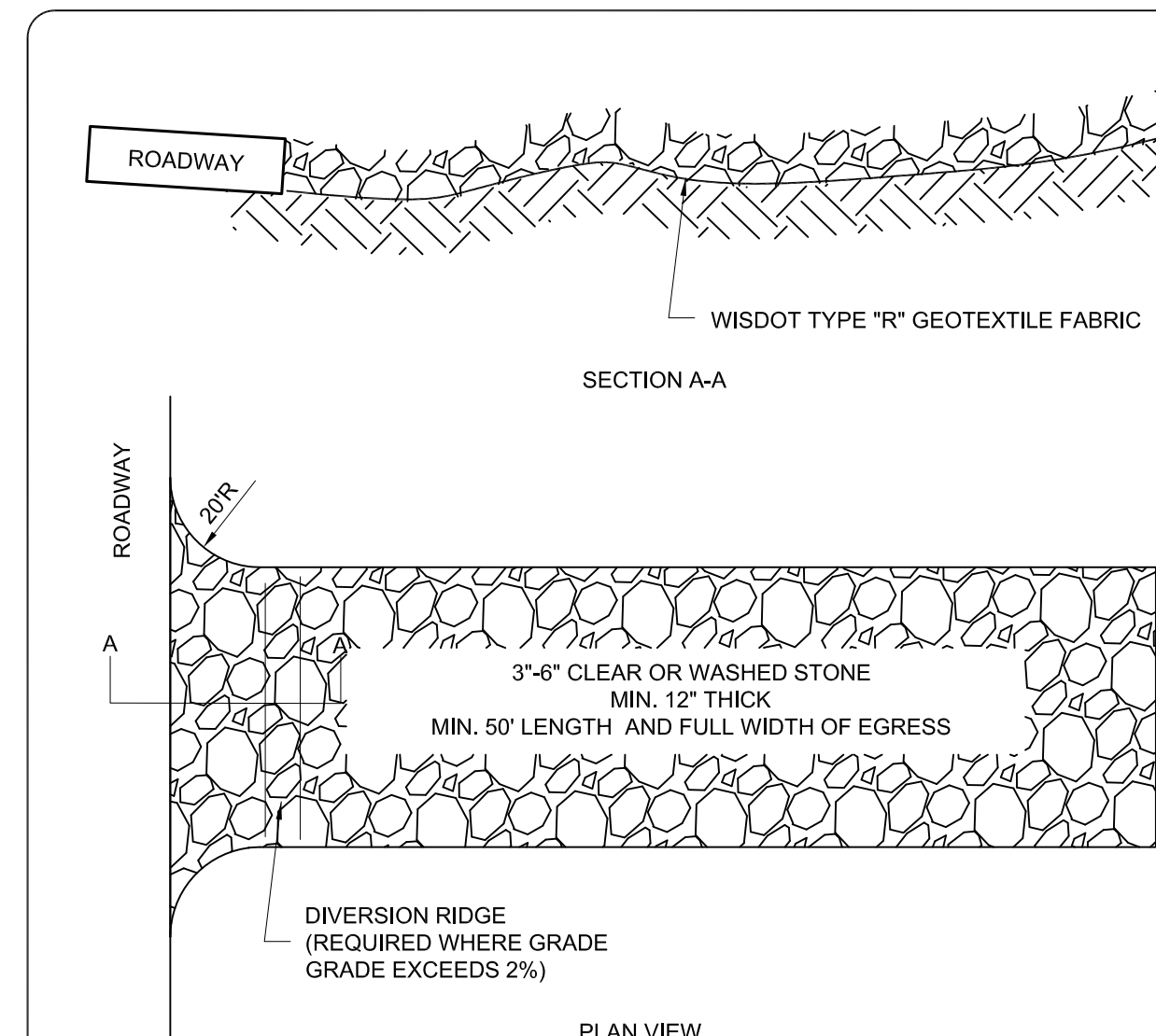
3.) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

INLET PROTECTION TYPES A, B, & C
N.T.S.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 10-2.



NOTES:

1. SURFACE WATER MUST BE DIVERTED AROUND OR UNDER THE TRACKING PAD. TO DIVERT SURFACE WATER UNDER THE TRACKING PAD, INSTALL CULVERT WITH A MINIMUM 18" COVER.

2. ROCKS LODGED IN TIRES MUST BE REMOVED PRIOR TO LEAVING THE SITE.

3. TRACKING PADS SHALL BE INSTALLED AND MAINTAINED AT ALL EGRESS POINTS FROM THE SITE.

4. SEDIMENT TRACKED ONTO A ROAD SHALL BE REMOVED BY THE END OF THE WORKING DAY. IF THE TRACKED SEDIMENT PRESENTS A HAZARD IT SHALL BE REMOVED IMMEDIATELY.

5. TRACKING PADS SHALL BE MAINTAINED BY SCRAPPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE. A MINIMUM 12" PAD SHALL BE MAINTAINED.

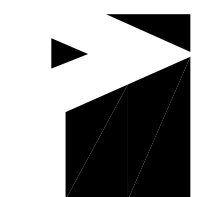
STONE TRACKING PAD
N.T.S.

DESIGNED BY
DJM

DATA FILE
.TXT

DATE
04-22-25

Number	Date	Comments
1		
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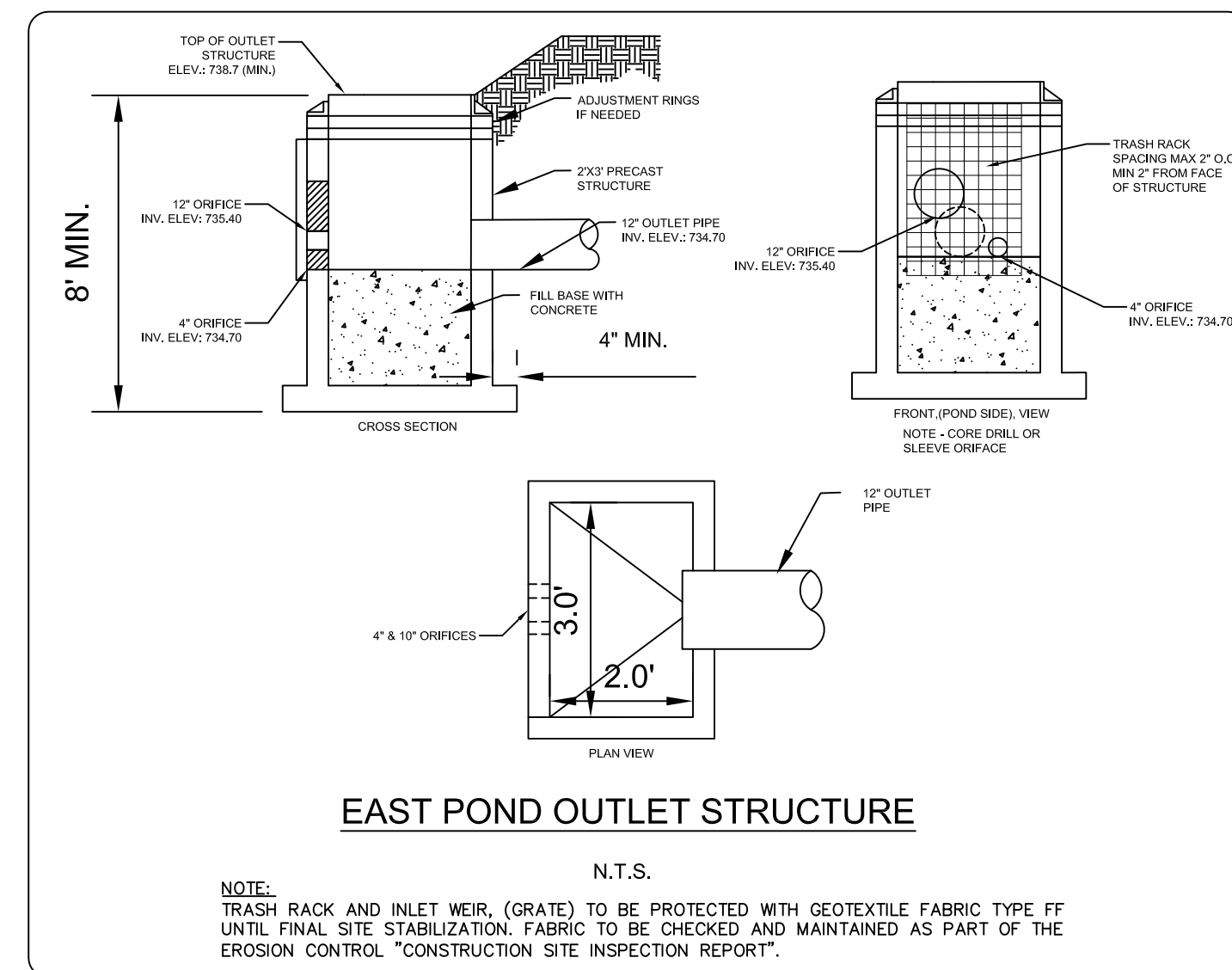
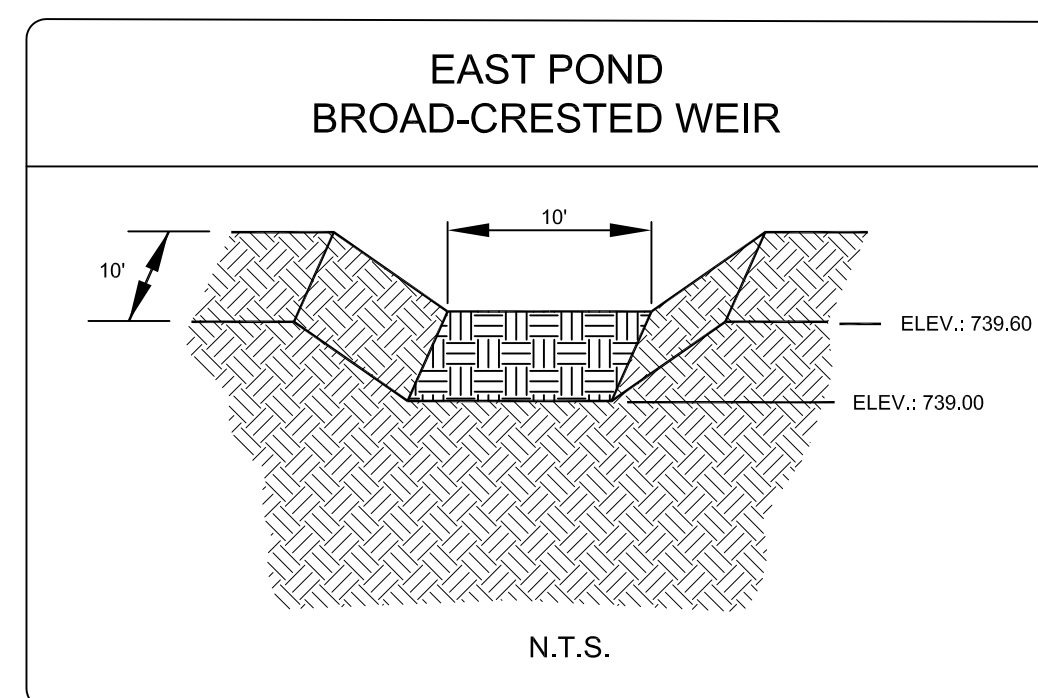
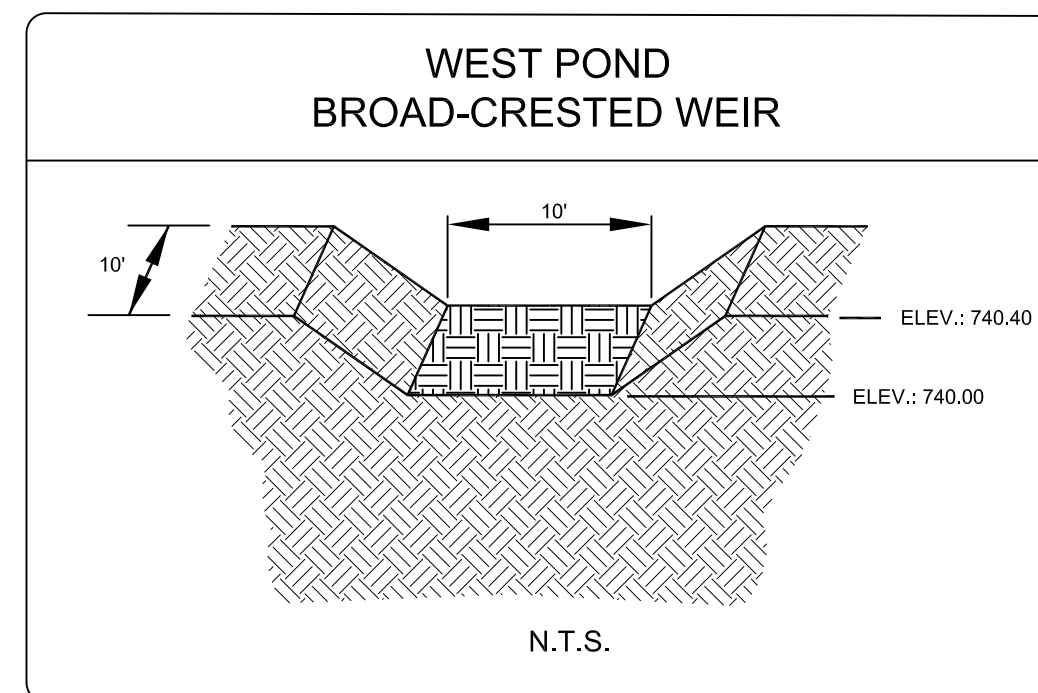
TYCORE BUILDS
NOTES & DETAILS (1)

PROJECT NO.
240200

SHEET NO.
C7.0

DRAWING NO.
S-3980

File: 240200_Alt Eng 04/22/25.dwg



CLAY LINER SPECIFICATIONS (TYP.)

A CLAY LINER SHALL BE PLACED OVER NATIVE SOILS WITHIN THE PERMANENT POOL AREAS AND UP THE PONDS 2-YEAR 24-HOUR DESIGN STORM PEAK WATER SURFACE ELEVATION OF 106.00 (GREEN BAY POND)

CLAY MATERIAL USED TO CONSTRUCT THE LINER MUST MEET THE FOLLOWING MINIMUM SPECIFICATIONS:

LINER THICKNESS = 2 FEET
 IN PLACE HYDRAULIC CONDUCTIVITY = 1 X 10-6 CM/SEC OR LESS
 MINIMUM OF 50% BY WEIGHT WHICH PASSES THE 200 SIEVE
 AVERAGE LIQUID LIMIT OF 16 OR GREATER, NONE LESS THAN 14
 AVERAGE PLASTICITY INDEX OF 7 OR GREATER, NONE LESS THAN 5
 CLAY INSTALLED 2% WET OF OPTIMUM WHEN USING MODIFIED PROCTOR.
 FREE OF STONES AND INCLUSIONS OF OTHER SOIL TYPES LARGER THAN 3 INCHES IN LARGEST DIMENSION.
 NON-ORGANIC SOIL CLASSIFIED AS CL OR CH BY UNIFIED SOIL CLASSIFICATION SYSTEM.

THE SOIL BORINGS INDICATE THAT SUITABLE CLAY MATERIAL MAY BE AVAILABLE FOR USE AS CLAY LINER MATERIAL. TESTING FOR HYDRAULIC CONDUCTIVITY AND ATTERBERG LIMITS WERE COMPLETED. THE GEOTECHNICAL REPORT IS AVAILABLE UPON REQUEST.

BECAUSE THE QUANTITY OF SUITABLE CLAY MATERIAL IS UNKNOWN, BORROW MATERIAL MAY BE REQUIRED TO FINISH THE CLAY LINER. THE CONTRACTOR SHALL PROVIDE HYDRAULIC CONDUCTIVITY PROPERTIES, A P200 SIEVE ANALYSIS, ATTERBERG LIMITS TEST RESULTS, AND A MODIFIED PROCTOR TEST FOR A SUPPLEMENTAL CLAY SOURCE NO LATER THAN THE PRECONSTRUCTION MEETING.

MATERIAL TESTING DATA SHALL DEMONSTRATE THAT THE CLAY SOURCE MATERIAL MEETS AND EXCEEDS THE REQUIREMENTS LISTED ABOVE. ADDITIONALLY, TESTING DATA SHALL DEMONSTRATE THAT THE CLAY SOURCE MATERIAL HAD A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1×10^{-6} cm/s AT 90% OF THE MODIFIED PROCTOR DENSITY

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.

THE COMPACTION SHALL BE PERFORMED BY MEANS OF FOOTED COMPACTION EQUIPMENT HAVING FEET AT LEAST AS LONG AS THE LOOSE LIFT WORK. COMPACTION EQUIPMENT SHALL HAVE A MINIMUM OPERATING WEIGHT OF 25,000 LBS. SMOOTH DRUM ROLLERS ARE NOT SUITABLE FOR COMPACTION OF CLAY LINERS.

ALL CLAY IS TO BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY AT A MOISTURE CONTENT OF AT LEAST 2% WET OF OPTIMUM

THE CLAY LINER IS TO BE KEYED TOGETHER TO FORM A CONTINUOUS CLAY SEAL, SEE THE DETAIL IN THE PLAN SET. SCARIFY AND ADJUST MOISTURE BETWEEN LIFTS TO PROVIDE FOR GOOD BONDING BETWEEN LIFTS.

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 600.85. UPON COMPLETION OF THE LINER, A GEOTECHNICAL ENGINEER REGISTERED IN WISCONSIN SHALL PROVIDE AN AFFIDAVIT INDICATING IF THE CLAY LINER SATISFIES THESE SPECIFICATIONS.

