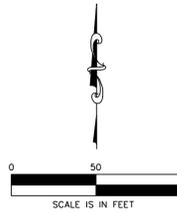


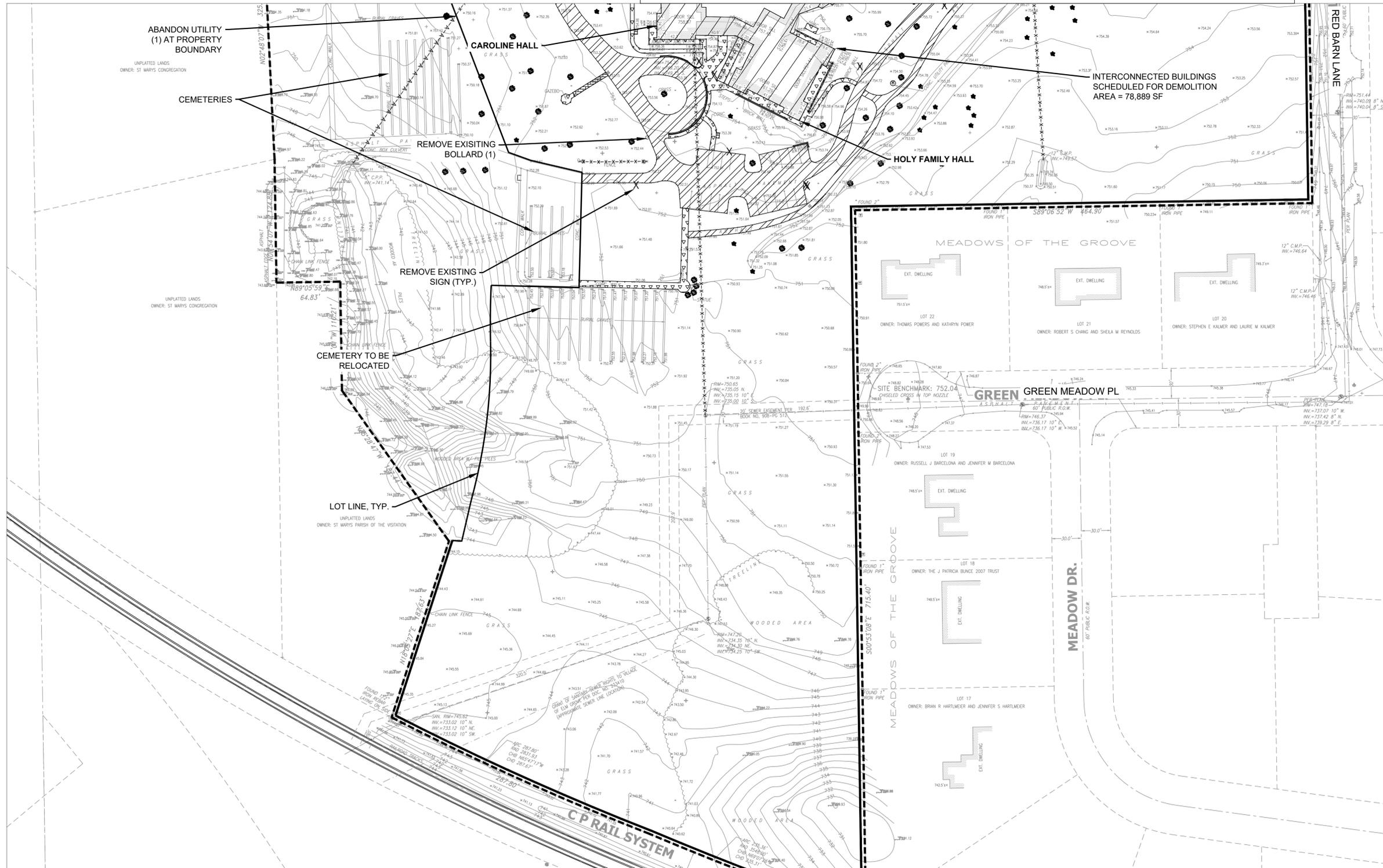
GENERAL NOTES

1. SITE LOCATION: 13105 WATERTOWN PLANK ROAD ELM GROVE, WISCONSIN 53122. SEE PLAT OF SURVEY FOR EASEMENT/RESTRICTIONS. REFER TO PLAT OF SURVEY BY CHAPUT LAND SURVEYS, DATED 11/09/2020 FOR INFORMATION ON COORDINATES AND SURVEY CONTROL.
2. THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITIES, AND CHAPUT LAND SURVEYS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. ANY WORK OUTSIDE OF PROPERTY LINE AND IN RIGHT OF WAY SHALL CONFORM TO THE VILLAGE OF ELM GROVE STANDARD SPECIFICATIONS, PERMIT CONDITIONS AND ORDINANCES.
4. AREAS LISTED REPRESENT BUILDING FOOTPRINT.
5. CONNECTING TUNNEL AREAS AND OUTLINES ARE APPROXIMATE.



LEGEND

- EXISTING STRUCTURE TO BE RAZED
- EXISTING BELOW GROUND STRUCTURE TO BE RAZED
- REMOVE EXISTING ASPHALTIC PAVMENT
- REMOVE EXISTING CONCRETE PAVEMENT/SLAB/SIDEWALK/STEP CURB AND GUTTER
- REMOVE EXISTING BRICK
- REMOVE STRUCTURE
- EXISTING PROPERTY BOUNDARY (PRIOR TO CSM)
- PROJECT LIMITS
- SAWCUT PAVEMENT
- REMOVE PIPE/ UTILITY LINE / FENCE OR GATE
- ABANDON UTILITY LINE
- REMOVE EXISTING MANHOLE
- REMOVE EXISTING FIRE HYDRANT
- REMOVE EXISTING SIGN/POLE



PROJECT TITLE: SCHOOL SISTERS OF NOTRE DAME DEVELOPMENT
PRELIMINARY DESIGN, NOT FOR CONSTRUCTION

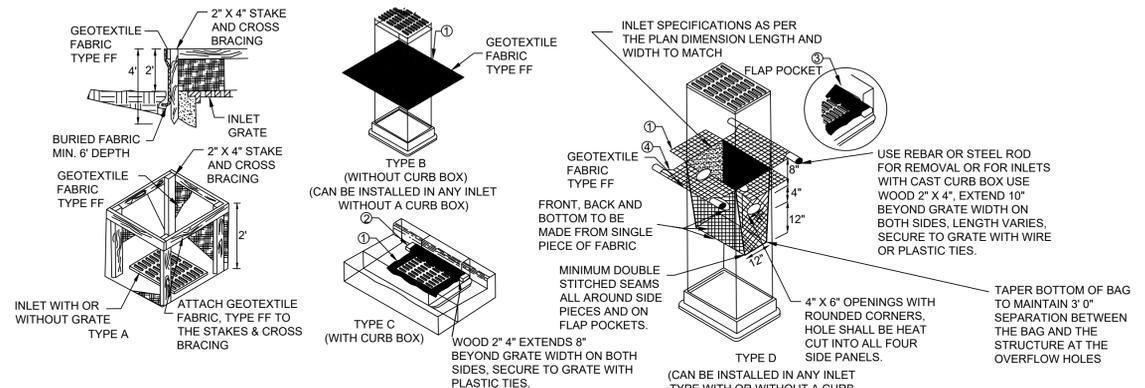
CLIENT: MANDEL GROUP, INC.

PROJECT LOCATION: 13105 WATERTOWN PLANK RD.
ELM GROVE, WI 53122

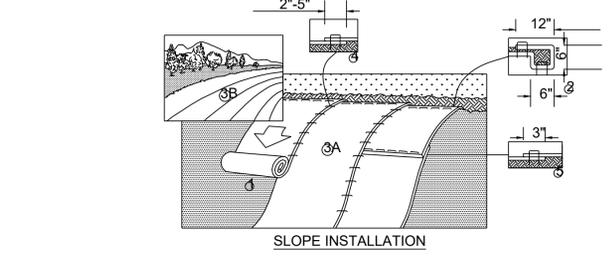
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| DRAWN BY JLA | DATE 12/14/2020 |
| CHECKED BY APS | DATE 12/14/2020 |
| SITE TITLE | |
| DEMOLITION PLAN - SOUTH | |

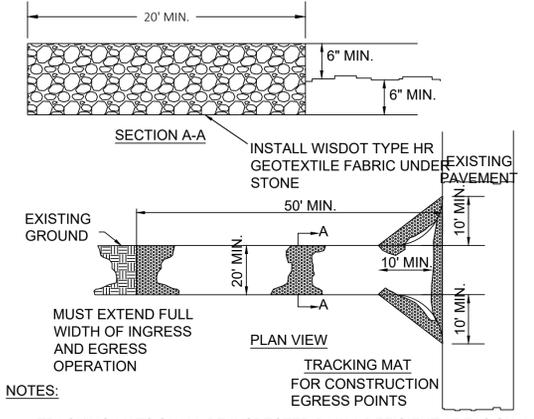
C102



- GENERAL NOTES:**
- 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 2"X4". THE REBAR, STEEL PIPE OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
 - FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
 - INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
 - 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.
- INSTALLATION NOTES:**
- TYPE B & C**
- TYPE FF GEOTEXTILE FABRIC (EXTEND FABRIC A MINIMUM OF 10" AROUND GRATE PERIMETER FOR MAINTENANCE OR REMOVAL.
 - 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.
- TYPE D**
- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
 - THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET 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 BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS 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 BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 - CONSECUTIVE BLANKETS 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 BLANKET WIDTH.
- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWINGS.
 - IN LOOSE SOIL CONDITIONS THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

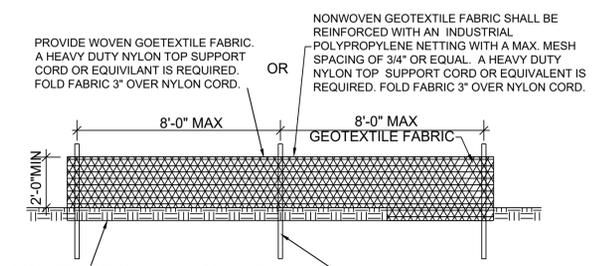


- NOTES:**
- TRACKING MATS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
 - STONE - CLEAR OR WASHED (3"-6" SHALL BE PLACED AT LEAST 12" DEEP OVER THE LENGTH AND WIDTH OF ENTRANCE).
 - SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" OF STONE OVER THE PIPE TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
 - LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

1 INLET PROTECTION
C111 NTS

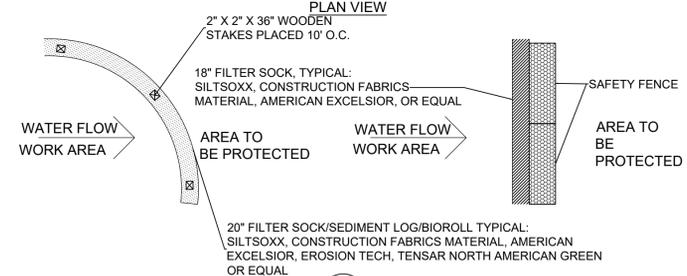
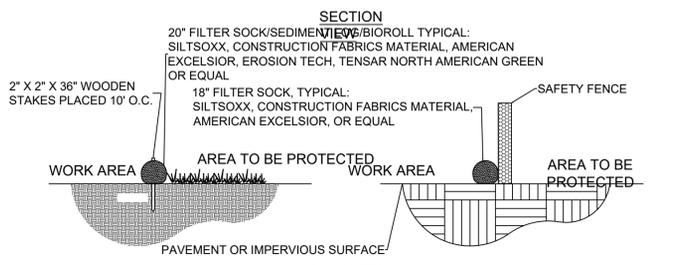
2 EROSION MAT INSTALLATION
C111 NTS

3 STABILIZED CONSTRUCTION ENTRANCE
C111 NTS

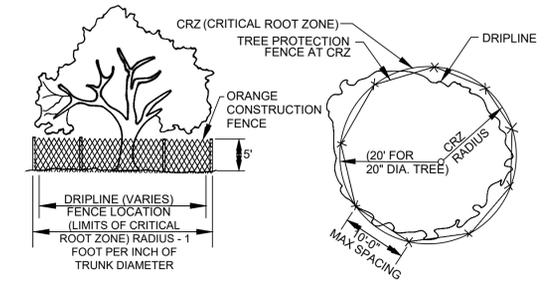


- PROVIDE WOVEN GEOTEXTILE FABRIC. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. FOLD FABRIC 3" OVER NYLON CORD.
- NONWOVEN GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL-POLYPROPYLENE NETTING WITH A MAX. MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. FOLD FABRIC 3" OVER NYLON CORD.
- EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR 8" OF THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH. BACKFILL & COMPACT WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A 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. LENGTH=4'-0" MIN. WITH 1'-8" MIN. DEPTH IN GROUND.
- NOTES:**
- CONTRACTOR SHALL INSPECT SILT FENCE DAILY AND REPAIR OR REPLACE AS NEEDED. SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN DEPOSITS REACH 1/2 THE HEIGHT OF THE FENCE.
 - ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS.

4 SILT FENCE
C111 NTS



5 20" FILTER SOCK
C111 NTS



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

5 TREE PROTECTION
C111 NTS

NOTE: DETAIL PROVIDED FOR REFERENCE

NOT FOR CONSTRUCTION

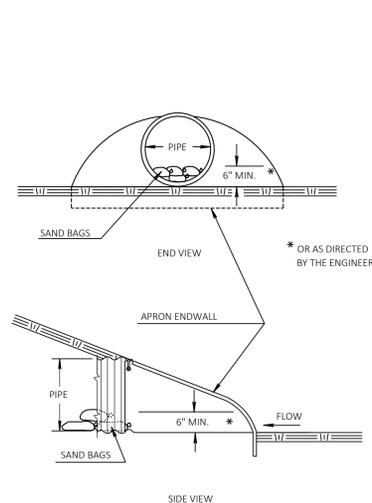
PROJECT TITLE: SCHOOL SISTERS OF NOTRE DAME DEVELOPMENT
PRELIMINARY DESIGN, NOT FOR CONSTRUCTION

CLIENT: MANDEL GROUP, INC.

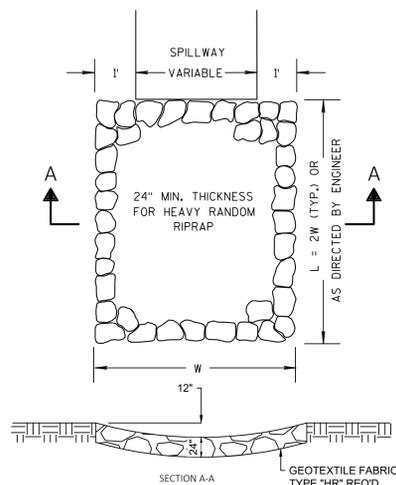
PROJECT LOCATION: 13105 WATERTOWN PLANK RD.
ELM GROVE, WI 53122

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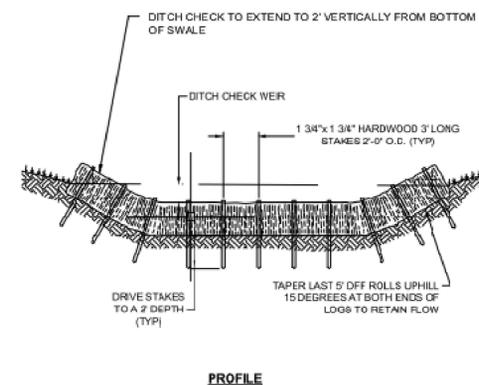
EROSION CONTROL DETAILS



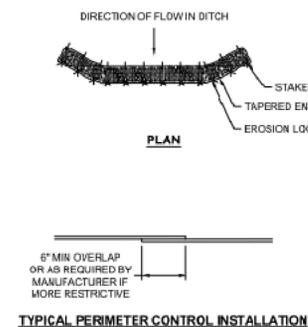
1 CULVERT PIPE DITCH CHECK
C211 NTS



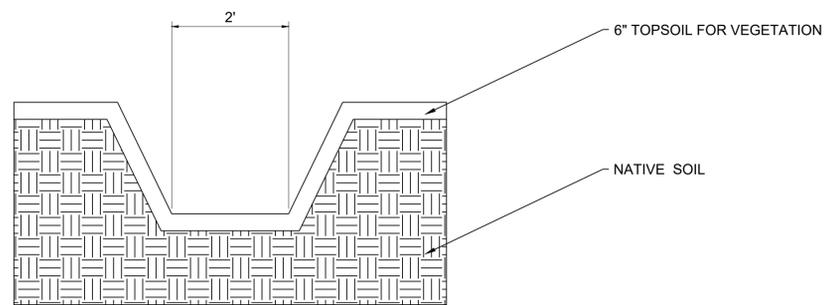
2 RIPRAP HEAVY TREATMENT AT SPILLWAYS
C211 NTS



NOTE:
DITCH CHECK SHALL BE INSTALLED SO THAT THE ENDS
OF THE CHECK ARE HIGHER IN ELEVATION THAN THE
MIDDLE IN ORDER TO FORM A WEIR.



NOTE:
INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE
GROUND SURFACE TO THE TOP OF THE PRODUCT. DUE TO
SETTLEMENT AND/OR DEFORMATION, THE INSTALLED
HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL
DIAMETER OF THE PRODUCT.



4 SWALE DETAIL
C211 NTS

NOT FOR CONSTRUCTION

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PROJECT LOCATION: 13105 WATERTOWN PLANK RD.
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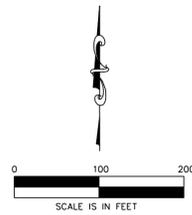
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| CHECKED BY APS | DATE 12/14/2020 |
| SITE TITLE | |

EROSION CONTROL DETAILS

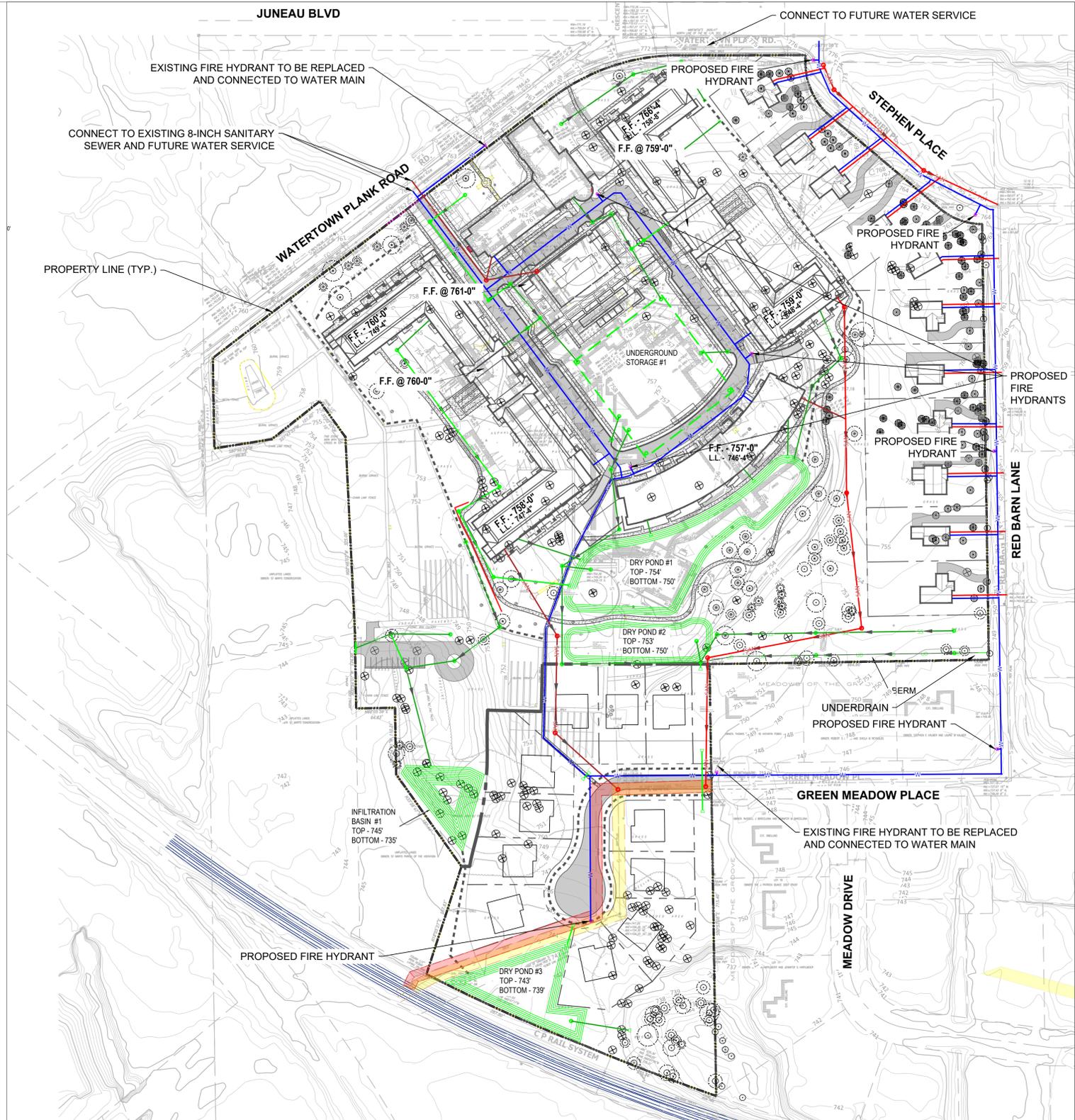
C112

- LEGEND**
- FLOW ARROW OF GRAVITY PIPE
 - SAN — PROPOSED SANITARY SEWER
 - SS — PROPOSED STORM SEWER
 - WM — PROPOSED WATER MAIN
 - EX — EXISTING SANITARY (SOUTH BY EASEMENT ONLY)
 - EXISTING SANITARY EASEMENT
 - PROPOSED SANITARY EASEMENT SHIFT
 - ⊕ FIRE HYDRANT
 - - - DRAINAGE DITCH



| PIPE DATA TABLE (CONCEPT LEVEL - APPROXIMATE VALUES) | | | |
|--|-------------|-------------------|--------------------|
| UTILITY | SIZE (INCH) | TOTAL LENGTH (FT) | AVERAGE COVER (FT) |
| WATER (Within Property) | 8 | 2544 | 6 |
| WATER (Outside Property) | 12 | 1839 | 6 |
| WATER LATERAL (East Homes) | 2 | 595 | 6 |
| WATER LATERAL (Main Building) | 6 | 133 | 6 |
| HYDRANT LEAD | 6 | 236 | 6 |
| SANITARY | 8 | 586 | 8 |
| SANITARY | 10 | 1016 | 12 |
| SANITARY LATERAL | 6 | 1765 | 6 |
| STORM | 10 | 900 | 3 |
| STORM | 12 | 2149 | 3 |
| STORM | 15 | 433 | 3 |
| STORM | 18 | 50 | 3 |
| STORM | 24 | 1059 | 2 |
| STORM | 36 | 346 | 2 |
| TOTAL WATER LF | - | 5347 | - |
| TOTAL SANITARY LF | - | 3367 | - |
| TOTAL STORM LF | - | 4937 | - |

- NOTES:**
- STORM PIPING LENGTHS DO NOT INCLUDE PERIMETER PIPING AROUND BUILDINGS FOR ROOF DRAINAGE.
 - STORM PIPING LENGTHS DO NOT INCLUDE DRIVEWAY CULVERT PIPING LENGTHS FOR SOUTHERN NEIGHBORHOOD OR EASTERN HOUSES.
 - SANITARY AND WATER LATERALS FOR SOUTHERN NEIGHBORHOOD NOT INCLUDED.



CONSULTANT

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REVISIONS

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| DRAWN BY JLA | DATE 12/14/2020 |
| CHECKED BY APS | DATE 12/14/2020 |

SITE TITLE

UTILITY PLAN OVERVIEW

C400