



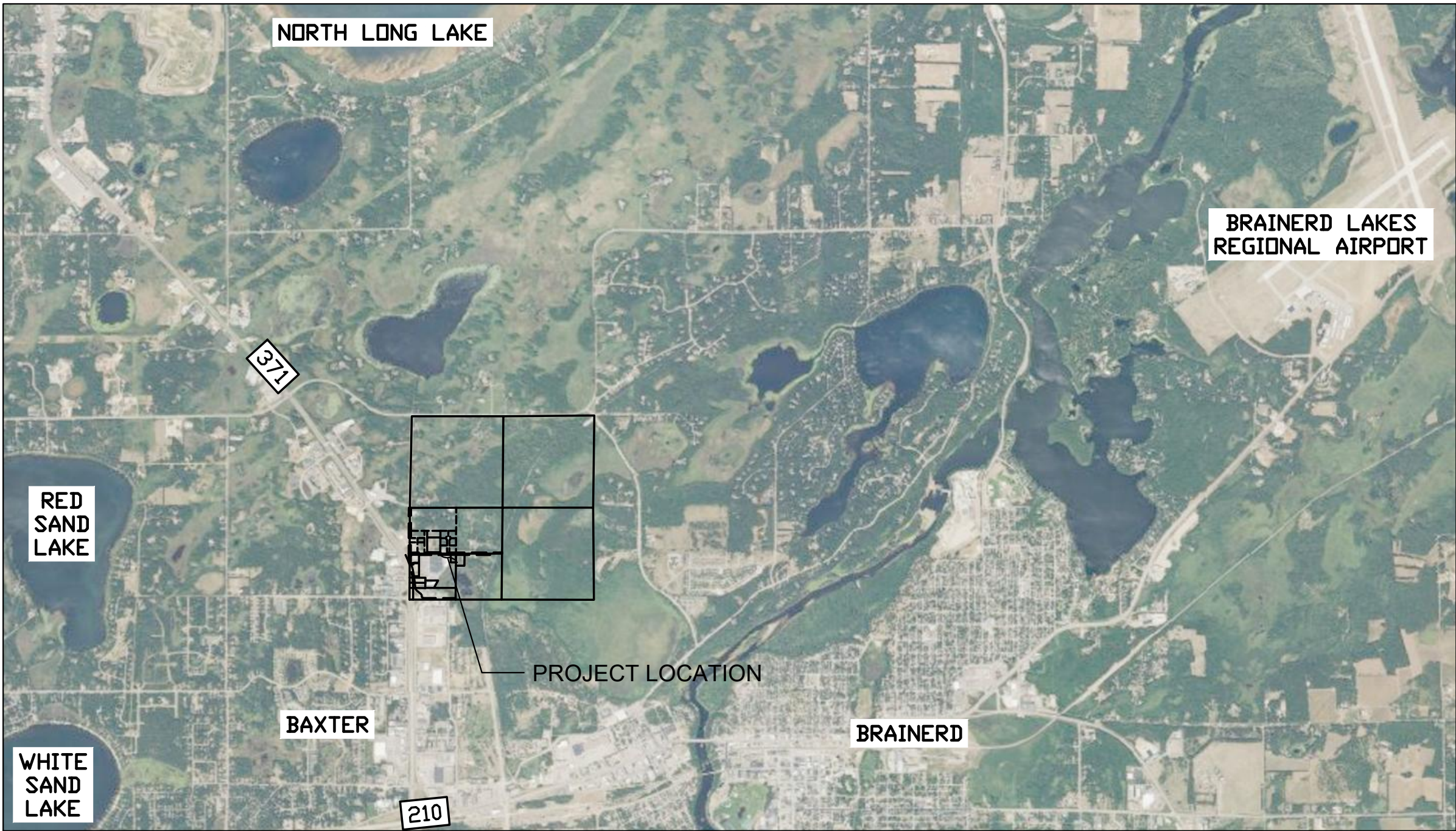
LUMBER YARD AND PARKING

LOT EXPANSION

CITY OF BAXTER,
CROW WING COUNTY, MINNESOTA

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PROJECT AREA
NOT TO SCALE



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PROJECT:
MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION

PROJECT LOCATION:
15236 DELLWOOD DRIVE
BAXTER, CROW WING COUNTY
MINNESOTA, 56401

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GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY (PERFORMED BY OTHERS) FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR. APPROVE CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL AND PROVIDE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. CONTRACTOR SHALL PROVIDE VEHICULAR AND PEDESTRIAN TEMPORARY TRAFFIC CONTROL AS REQUIRED PER ALL STATE AND LOCAL CODES AND SPECIFICATIONS. CONTRACTOR PROVIDE A TRAFFIC CONTROL AND SEQUENCING PLAN TO THE MUNICIPALITY FOR APPROVAL PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND CONSTRUCTION SEQUENCING PLAN TO THE CITY OF BAXTER FOR APPROVAL PRIOR TO COMMENCING WORK. ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AS MUCH AS PRACTICAL. IF ACCESS NEEDS TO BE RESTRICTED FOR A PERIOD OF TIME, THE CONTRACTOR SHALL RESTORE ACCESS AS SOON AS PRACTICAL AND PROVIDED A MINIMUM 48 HOUR NOTICE TO AFFECTED PROPERTIES.

DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY, RECONNAISSANCE, "MINNESOTA ONE CALL" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
3. ALL TREES AND VEGETATION WITHIN THE PROPOSED PUBLIC RIGHT-OF-WAY SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE. CONTRACTOR TO FIELD VERIFY CLEARING AND GRUBBING LIMITS AND TREES TO BE REMOVED.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. ANY UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
10. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
12. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
14. EXISTING FIBER OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE LOCATION.
15. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
16. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
17. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
18. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE AND PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES.

CONSTRUCTION ACTIVITIES AND SEQUENCING

1. PRIOR TO ANY STRIPPING OF EXISTING VEGETATION OR DISTURBANCE, INSTALL ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE, SUCH AS STABILIZED CONSTRUCTION ENTRANCES, SILT BASINS, RISER PIPES, OUTLET PIPES, SILT TRAPS, SILT FENCE, DIVERSIONS, TERRACES, AND ETCETERA.
2. INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE START OF ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
3. PROCEED WITH STRIPPING OF EXISTING VEGETATION AND GRADING IN ACCORDANCE WITH THE GRADING PLAN, WHILE DISTURBING NO MORE THAN NECESSARY.
4. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
5. PROCEED WITH INFRASTRUCTURE INSTALLATION. INFRASTRUCTURE INSTALLATION MUST OCCUR PRIOR TO ANY LOT DEVELOPMENT.
5. COMPLETE DEMOLITION WITHIN PROPOSED RIGHT-OF-WAY
6. ROUGH GRADE STORMWATER BASIN AND INSTALL POND OUTLET.
7. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
10. IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.
11. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED, BUT IN NO CASES SHALL BE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
12. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION IN ALL STORM INLETS
13. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
14. IMPLEMENT THE INSTALLATION ALL BMP'S NEEDED AND ASSOCIATED WITH THE BUILDING PHASE. BUILDING PHASE BMP'S MUST BE INSTALLED CONCURRENTLY WITH LOT DEVELOPMENT.
15. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
16. RESTORE STORMWATER BASIN (FINAL GRADE PER PLAN REQUIREMENTS)
17. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.
18. PROCEED WITH REMOVAL OF BMP'S. BMP'S MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY DEVELOPED. FULL DEVELOPMENT SHALL MEAN INSTALLATION OF PAVEMENT, BUILDINGS, AND UTILITIES, LANDSCAPING, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMP'S.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

PAVING NOTES

1. GENERAL
 - 1.1. ALL PAVING SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
 - 1.3. SURFACE PREPARATION – NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
 - 1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
 - 2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 2.2. GRADE CONTROL – ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 - 2.3. CRUSHED AGGREGATE BASE COURSE – SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 2.4. BINDER COURSE AGGREGATE – SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 2.5. SURFACE COURSE AGGREGATE – SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 2.6. ASPHALTIC MATERIALS – SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
3. CONCRETE PAVING SPECIFICATIONS
 - 3.1. CONCRETE PAVING SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 3.2. PCC PAVING SHALL MEET CITY OF BAXTER'S SUPPLEMENTAL SPECIFICATIONS FOR PCC MIX (MIX IS IN THE PROCESS OF BEING ADJUSTED), CONTRACTOR TO CONFIRM FINAL MIX WITH CITY.
 - 3.3. CURING COMPOUNDS SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
 - 3.4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - 3.5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 25' ON CENTER.
 - 3.6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - 3.7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-260V CONCRETE SEALANT.
4. PAVEMENT MARKING SPECIFICATIONS
 - 4.1. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STRIP LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.
 - 4.2. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR: EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
 - COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
4. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
6. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
7. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
8. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
9. ANY UTILITIES WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
11. STORM AND SANITARY SEWER SHALL BE IN ACCORDANCE ALL STATE AND LOCAL CODES AND SPECIFICATIONS..
12. SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN THE MINIMUM REQUIRED. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS.

STORMWATER FACILITIES CONSTRUCTION NOTES

1. ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES SHALL BE OBSERVED AND DOCUMENTED BY THE ENGINEER, OR AN OWNER'S REPRESENTATIVE.
2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE IN CONSTRUCTED PER ALL STATE AND LOCAL CODES AND SPECIFICATIONS.
3. STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.
4. AREAS USED FOR TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.
5. CONSTRUCTION TRAFFIC, HEAVY EQUIPMENT AND SOIL STOCKPILES SHALL NOT BE PLACED IN AREAS WHERE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE LOCATED.

GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
 3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
 4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
 5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
 6. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6-INCHES OF TOPSOIL PLACEMENT.
 7. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS.
 8. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
 9. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
 10. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND SPECIFICATIONS
- EROSION CONTROL NOTES
1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF BAXTER OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
 2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF BAXTER ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
 3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMP'S, ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF BAXTER PRIOR TO DEVIATION OF THE APPROVED PLAN.
 4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
 5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
 6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
 7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
 8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF BAXTER.
 9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
 10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER".
 11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
 12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
 - A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
 13. ALL SLOPES 5:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A MINNESOTA DEPARTMENT OF TRANSPORTATION (DOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WEDD TECHNICAL STANDARDS 1052 AND 1053.
 14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS.
 15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
 16. ALL STABILIZATION METHODS THAT INCORPORATE SEEDING ARE TO INCLUDE THE USE OF MULCH.
 17. STABILIZATION PRACTICES:
 - 17.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 1. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 2. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
 - 17.2. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LB/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
 - HYDRO-MULCHING WITH A TACKIFIER
 - GEOTEXTILE EROSION MATTING
 - SODDING

EROSION CONTROL MAINTENANCE SCHEDULE

THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, THE ALL EROSION CONTROL FEATURE REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMP'S THAT ARE NOT LISTED BELOW AS WELL.

1. CONSTRUCTION ENTRANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
2. STRAW BALE BARRIER – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS, AND UNDERCUTTING BENEATH BALES; (2.3) NECESSARY REPAIRS TO BARRIERS OR MEASUREMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY; (2.4) SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL, THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDDED.
3. SILT FENCE – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (3.1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY; (3.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING; (3.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (3.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE VEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (3.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDDED.
4. STORM DRAIN INLET PROTECTION – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (4.1) STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY AND (4.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
5. TEMPORARY DIVERSION DIKE – THE MEASURE SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY. ONCE EVERY TWO WEEKS, WHETHER A STORM EVENT HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
6. TEMPORARY FILL DIVERSION – SINCE THE PRACTICE IS TEMPORARY AND UNDER MOST SITUATIONS WILL BE COVERED THE NEXT WORKING DAY, THE MAINTENANCE REQUIRED SHOULD BE LOW. IF THE PRACTICE IS TO REMAIN IN USE FOR MORE THAN ONE DAY, AN INSPECTION SHALL BE MADE AT THE END OF EACH WORK DAY AND REPAIRS MADE TO THE MEASURE IF NEEDED. THE OPERATOR/CONTRACTOR SHOULD AVOID THE PLACEMENT OF ANY MATERIAL OVER THE STRUCTURE WHILE IT IS IN USE. CONSTRUCTION TRAFFIC SHOULD NOT BE PERMITTED TO CROSS THE DIVERSION.
7. TEMPORARY SEDIMENT TRAP – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (7.1) SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME, OF THE WET STORAGE. SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS; (7.2) FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED, STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED; AND (7.3) THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT, THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.
8. TEMPORARY SEDIMENT BASIN – THE BASIN EMBANKMENT SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO ENSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION RESISTANT. THE BASIN SHOULD BE CHECKED AFTER EACH RUNOFF PRODUCING RAINFALL FOR SEDIMENT CLEANOUT AND TRASH REMOVAL, WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.
9. TEMPORARY SEEDING – AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDDED AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.
10. PERMANENT SEEDING – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (10.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (10.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES. WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (10.3) INSPECT ALL SEEDDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; [10.3.A] IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; [10.3.B] IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDING AND SEEDING RECOMMENDATIONS; [10.3.C] IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER, THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.
11. MULCHING – ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE. REPAIR AS NEEDED.
12. SOIL STABILIZATION BLANKETS & MATTING – ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTIONS SHOULD BE ADEQUATE.
13. STREET CLEANING / SWEEPING – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (13.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (13.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIMES OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY. (13.3) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (13.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.



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P. 608.848.5060

CLIENT:

MENARD, INC.

CLIENT ADDRESS:

5101 MENARD DRIVE
EAU CLAIRE, WI 54703

PROJECT:

MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION

PROJECT LOCATION:

15236 DELLWOOD DRIVE
BAXTER, CROW WING COUNTY
MINNESOTA, 56401

PLAN MODIFICATIONS:

#	Date:	Description:
1	07.01.2022	50% DOCUMENT REVIEW
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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:

GENERAL NOTES

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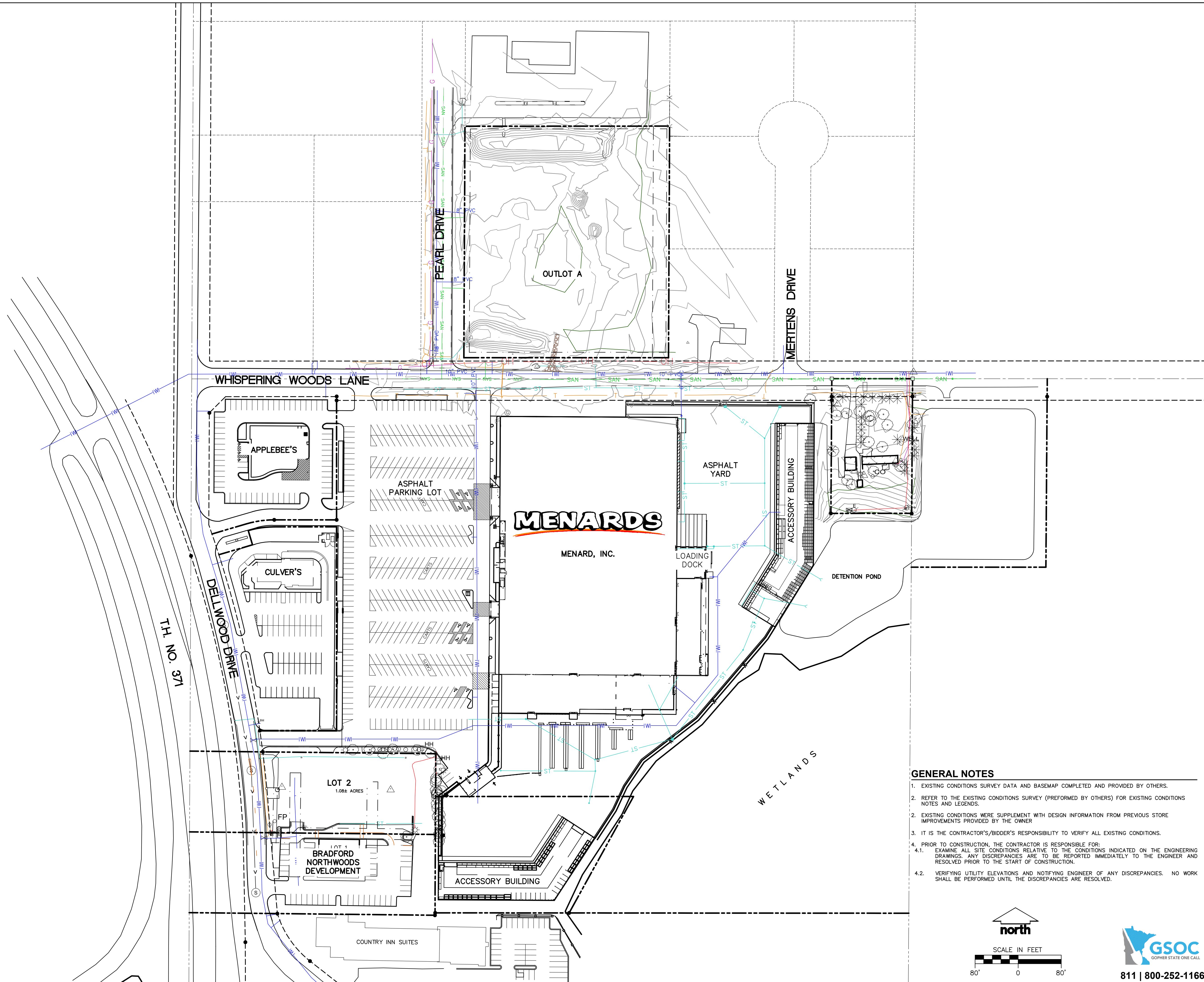
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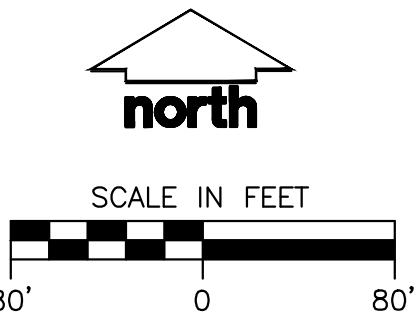
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GENERAL NOTES

- EXISTING CONDITIONS SURVEY DATA AND BASEMAP COMPLETED AND PROVIDED BY OTHERS.
- REFER TO THE EXISTING CONDITIONS SURVEY (PERFORMED BY OTHERS) FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- EXISTING CONDITIONS WERE SUPPLEMENT WITH DESIGN INFORMATION FROM PREVIOUS STORE IMPROVEMENTS PROVIDED BY THE OWNER
- IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.



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Designed By: JAW
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SHEET TITLE:

EXISTING CONDITIONS
MAP

SHEET NUMBER:

C1.0

JSD PROJECT NO:

22-11222

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LEGEND - DEMOLITION

- XXXXXXXXXXXXXXXXX SAWCUT PAVEMENT
- DEMOLITION - REMOVAL OF ONSITE CURB SURFACES AND BASE COURSE
- DEMOLITION - REMOVAL OF AGGREGATE SURFACES
- DEMOLITION - REMOVAL OF RETAINING WALL
- DEMOLITION - REMOVAL OF ASPHALT SURFACES
- DEMOLITION - REMOVAL OF CONCRETE SURFACES
- DEMOLITION - REMOVAL OF BUILDINGS/STRUCTURES
- DEMOLITION - CLEARING AND GRUBBING
- DEMOLITION - REMOVAL OF UTILITIES - WATER MAIN
- DEMOLITION - REMOVAL OF UTILITIES - STORM SEWER
- DEMOLITION - REMOVAL OF UTILITIES - SANITARY SEWER
- DEMOLITION - REMOVAL OF UTILITIES - ELECTRICAL
- DEMOLITION - REMOVAL OF UTILITIES - GAS
- TREE REMOVAL
- UTILITY REMOVAL
- PROTECT EXISTING TREE



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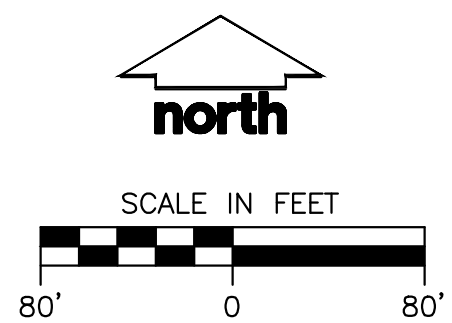
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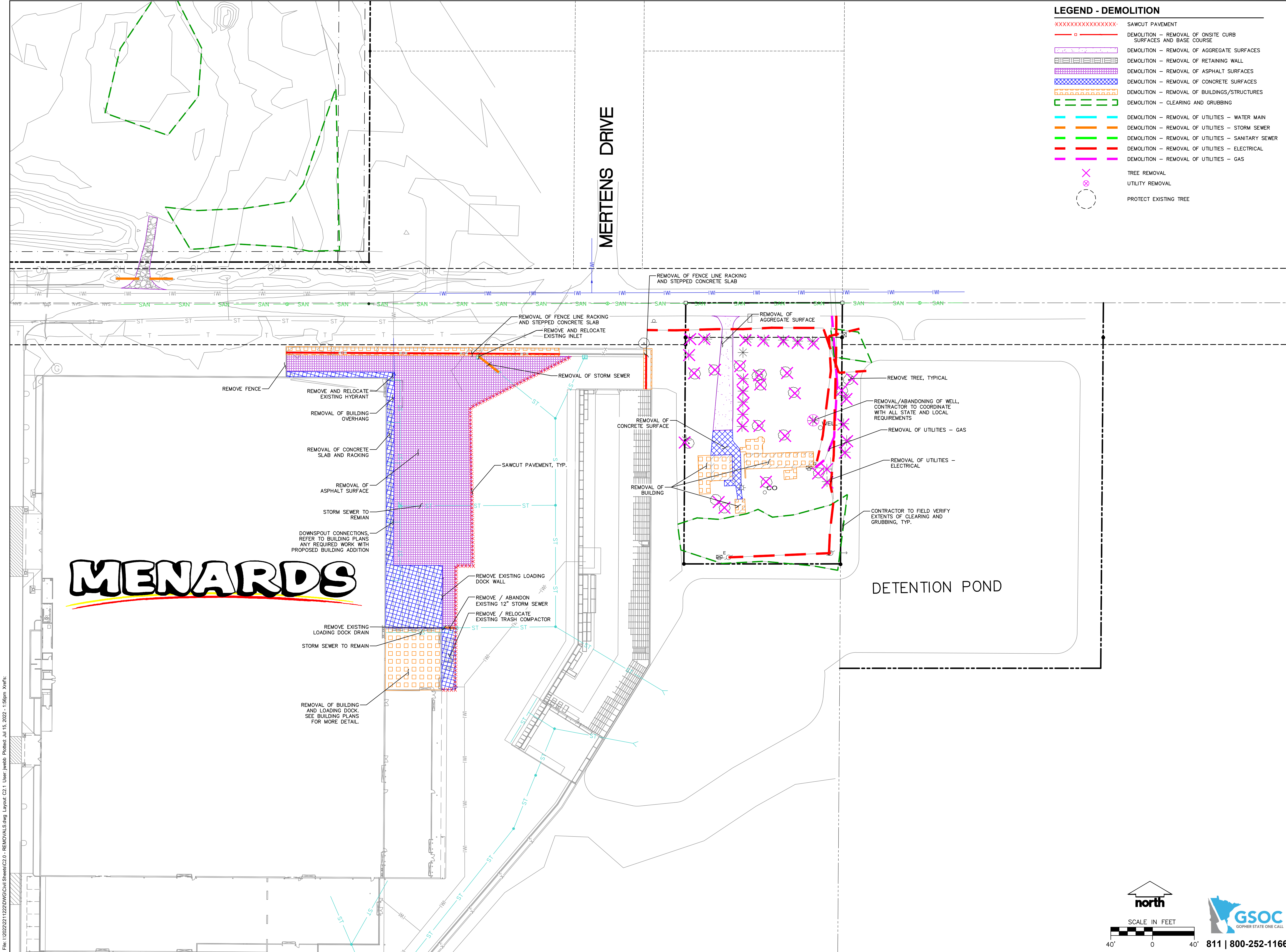
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LEGEND - DEMOLITION

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○	PROTECT EXISTING TREE



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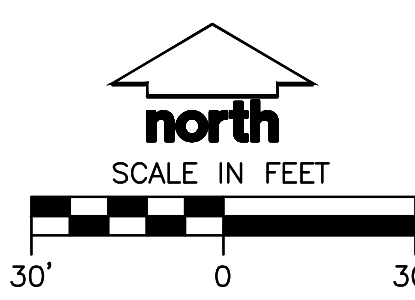
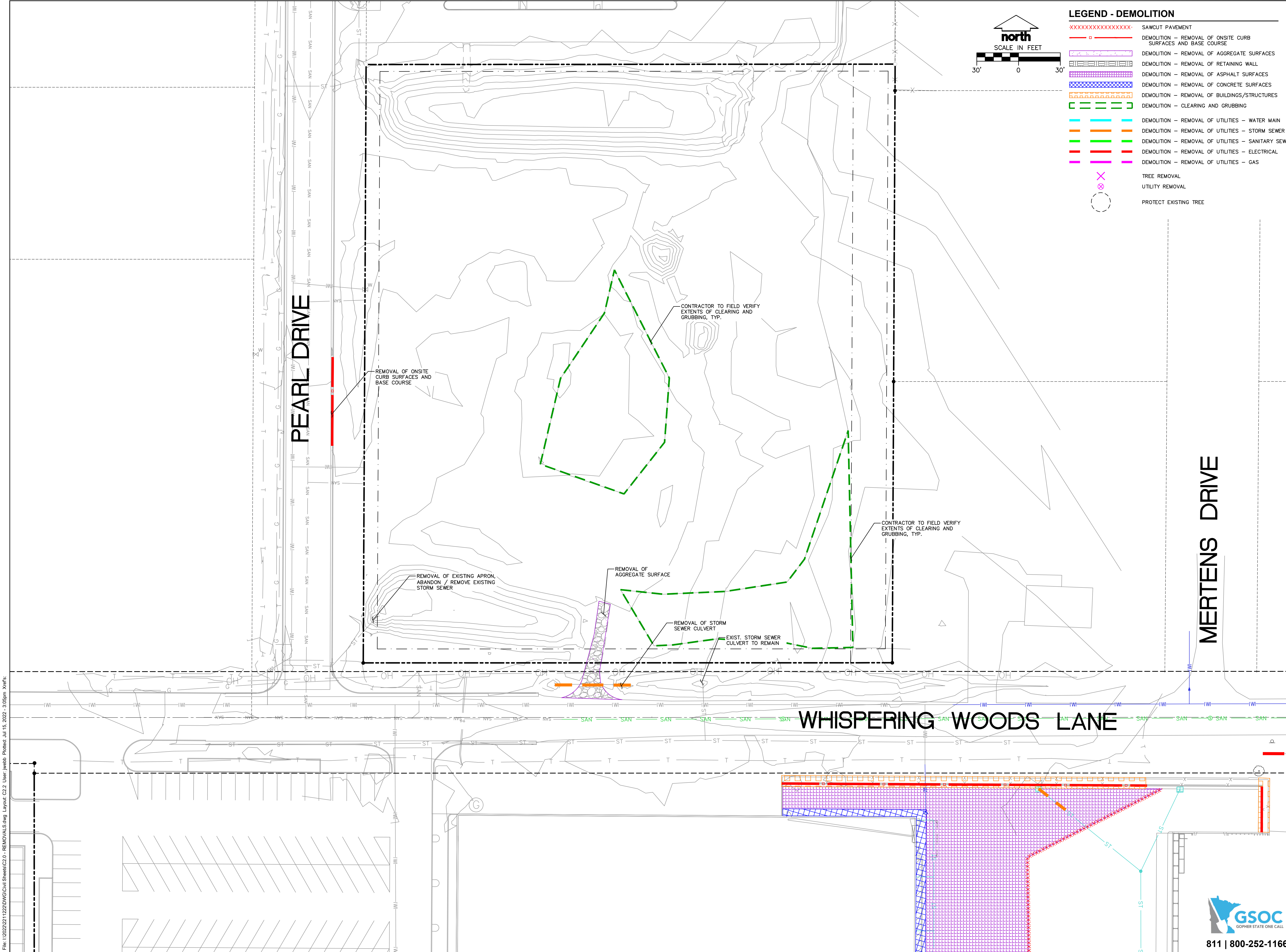
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**REMOVAL PLAN - YARD
EXPANSION**

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LEGEND - DEMOLITION	
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[Pattern]	DEMOLITION - REMOVAL OF UTILITIES - GAS
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⊗	UTILITY REMOVAL
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PROJECT:
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Designed By:	JAW
Reviewed By:	PMP
Approved By:	HPJ

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**REMOVAL PLAN -
PARKING LOT
EXPANSION**

SHEET NUMBER:
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JSD PROJECT NO: 22-11222

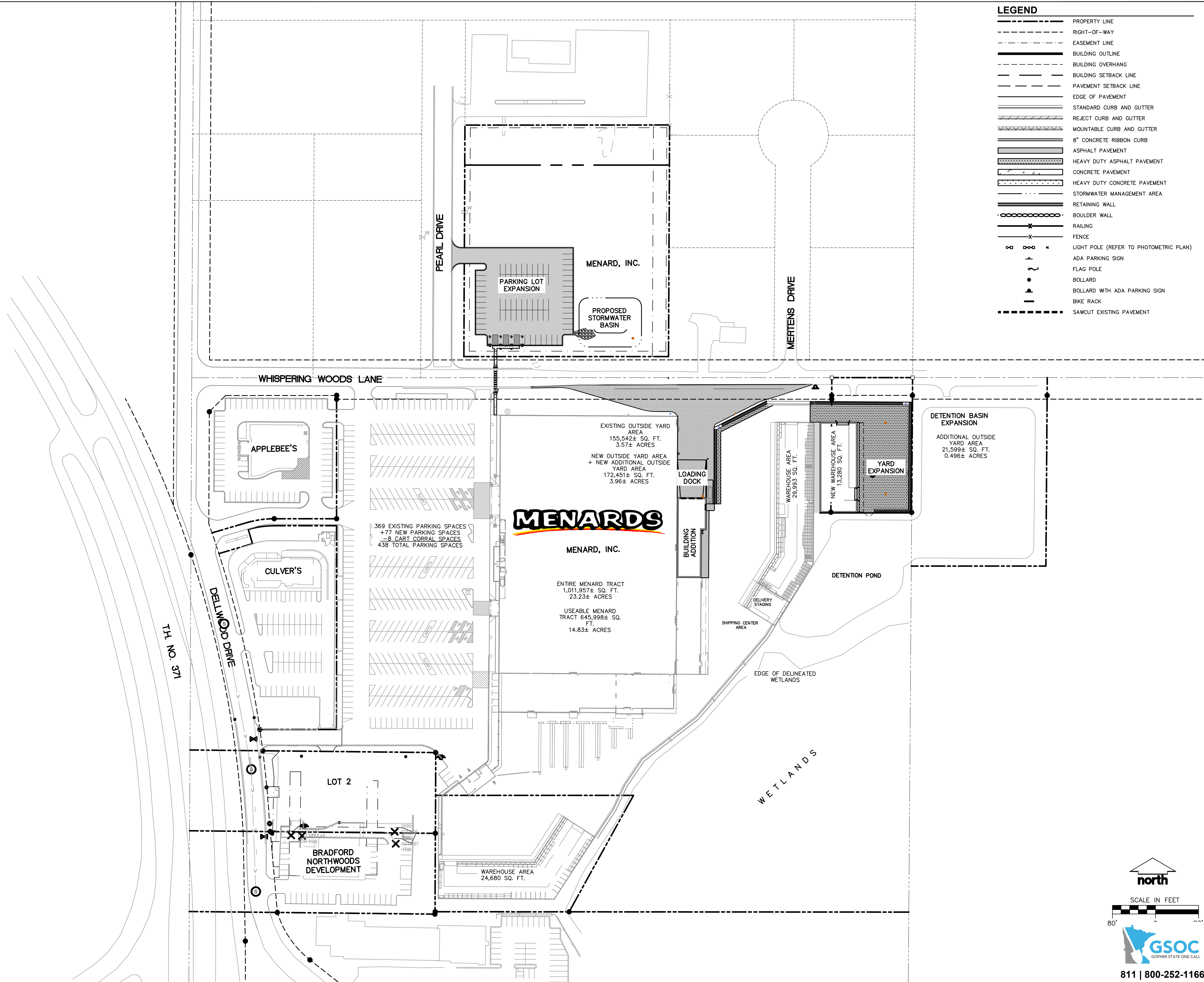


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SHEET TITLE:

OVERALL SITE PLAN

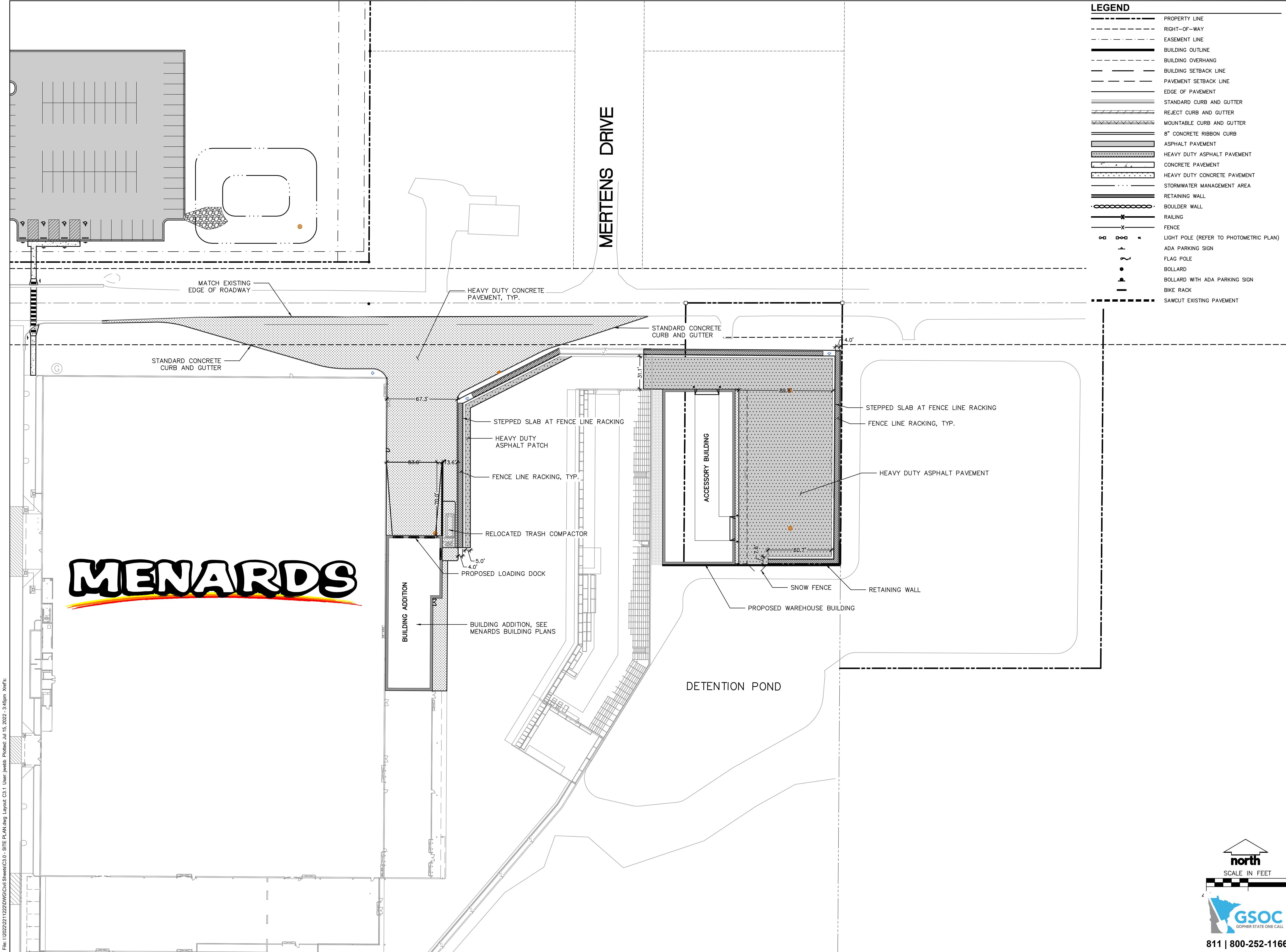
SHEET NUMBER:

C3.0

JSD PROJECT NO:

22-11222

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MADISON REGIONAL OFFICE
181 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:

MENARD, INC.

CLIENT ADDRESS:

**5101 MENARD DRIVE
EAU CLAIRE, WI 54703**

PROJECT:

**MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION**

PROJECT LOCATION:

**15236 DELLWOOD DRIVE
BAXTER, CROW WING COUNTY
MINNESOTA, 56401**

PLAN MODIFICATIONS:

#	Date:	Description:
1	07.01.2022	50% DOCUMENT REVIEW
2	07.15.2022	MUNICIPAL SUBMITTAL
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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:

**SITE PLAN - YARD
EXPANSION**

SHEET NUMBER:

C3.1

JSD PROJECT NO: 22-11222

811 | 800-252-1166

GSOC
GOPHER STATE ONE CALL

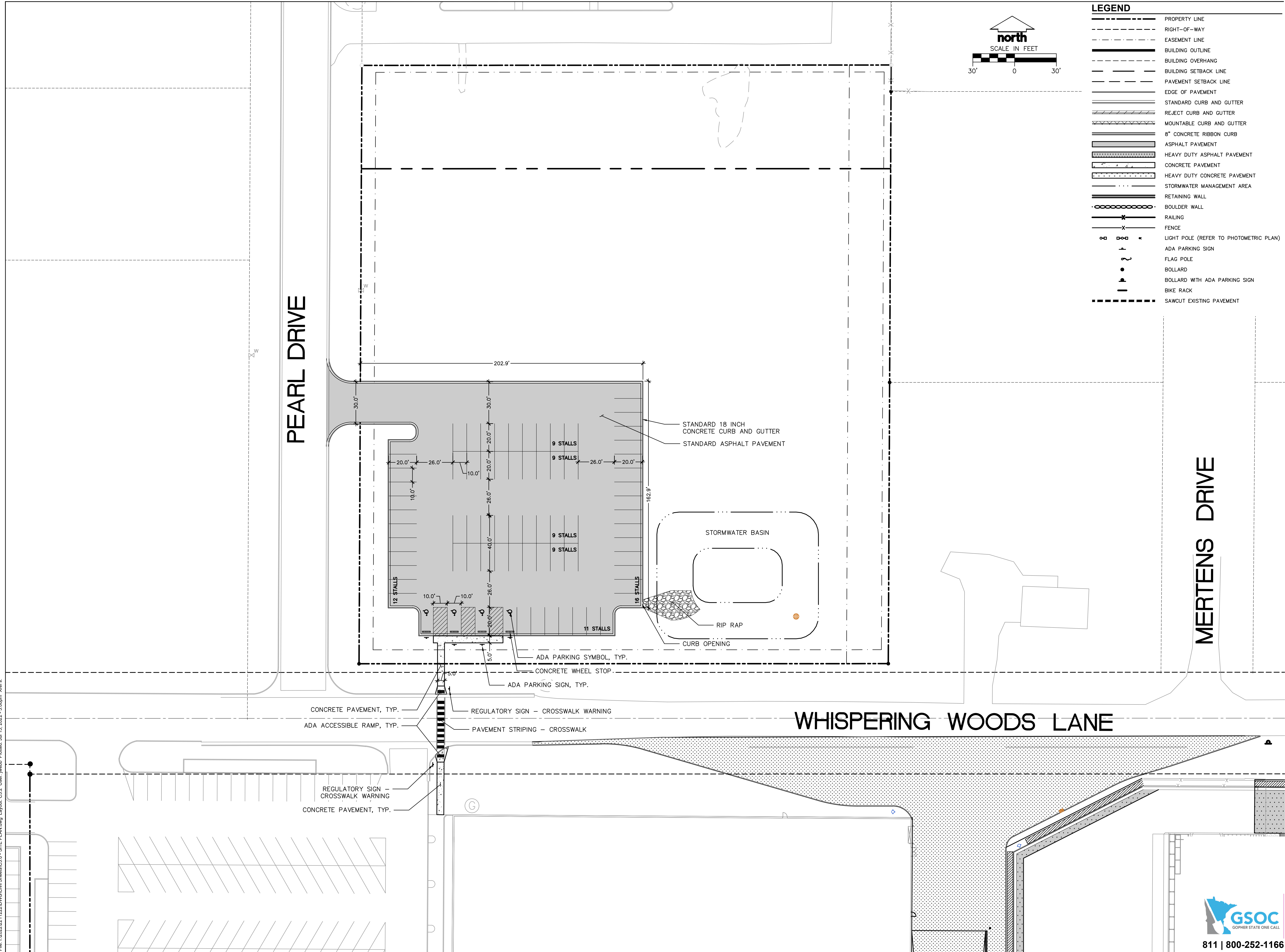
Scale in Feet

North

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:
**SITE PLAN - PARKING
LOT EXPANSION**

SHEET NUMBER:
C3.2

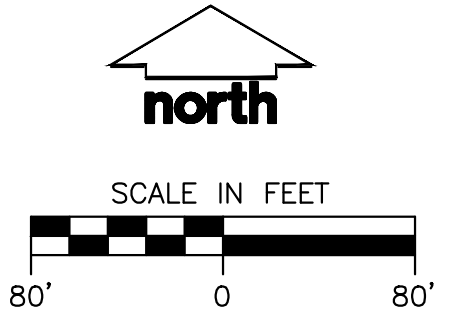
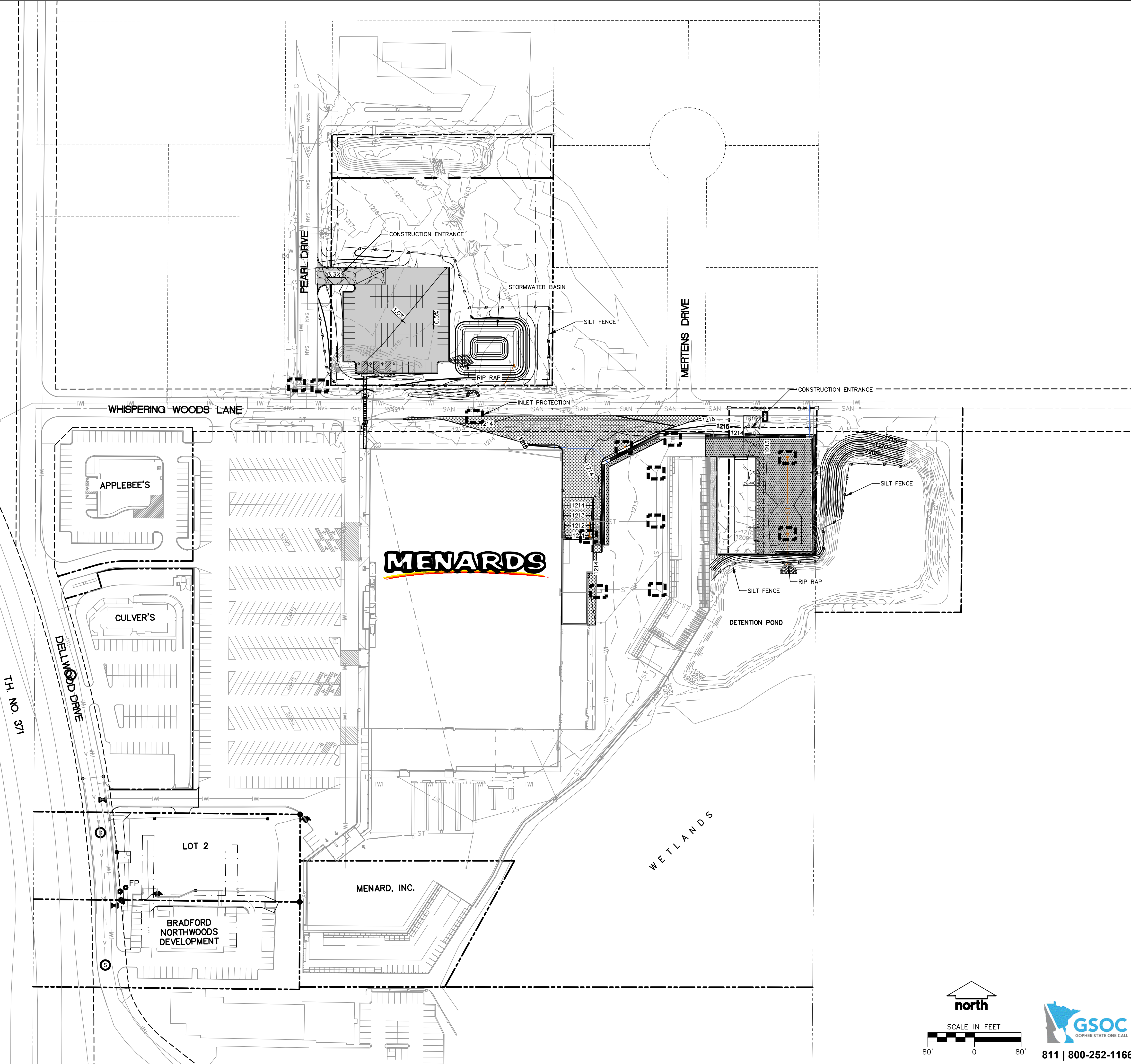
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JSD PROJECT NO: 22-11222

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LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED 1 FOOT CONTOUR
- PROPOSED 5 FOOT CONTOUR
- EXISTING 1 FOOT CONTOUR
- EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- GRADE BREAK
- STORMWATER MANAGEMENT AREA
- RETAINING WALL
- SILT FENCE
- RIP-RAP
- CONSTRUCTION ENTRANCE
- EROSION MATTING
- TURF REINFORCEMENT MATTING
- DITCH CHECK
- INLET PROTECTION



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EAU CLAIRE, WI 54703

PROJECT:
MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION

PROJECT LOCATION:
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MINNESOTA, 56401

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:
STORMWATER
POLLUTION PREVENTION
PLAN

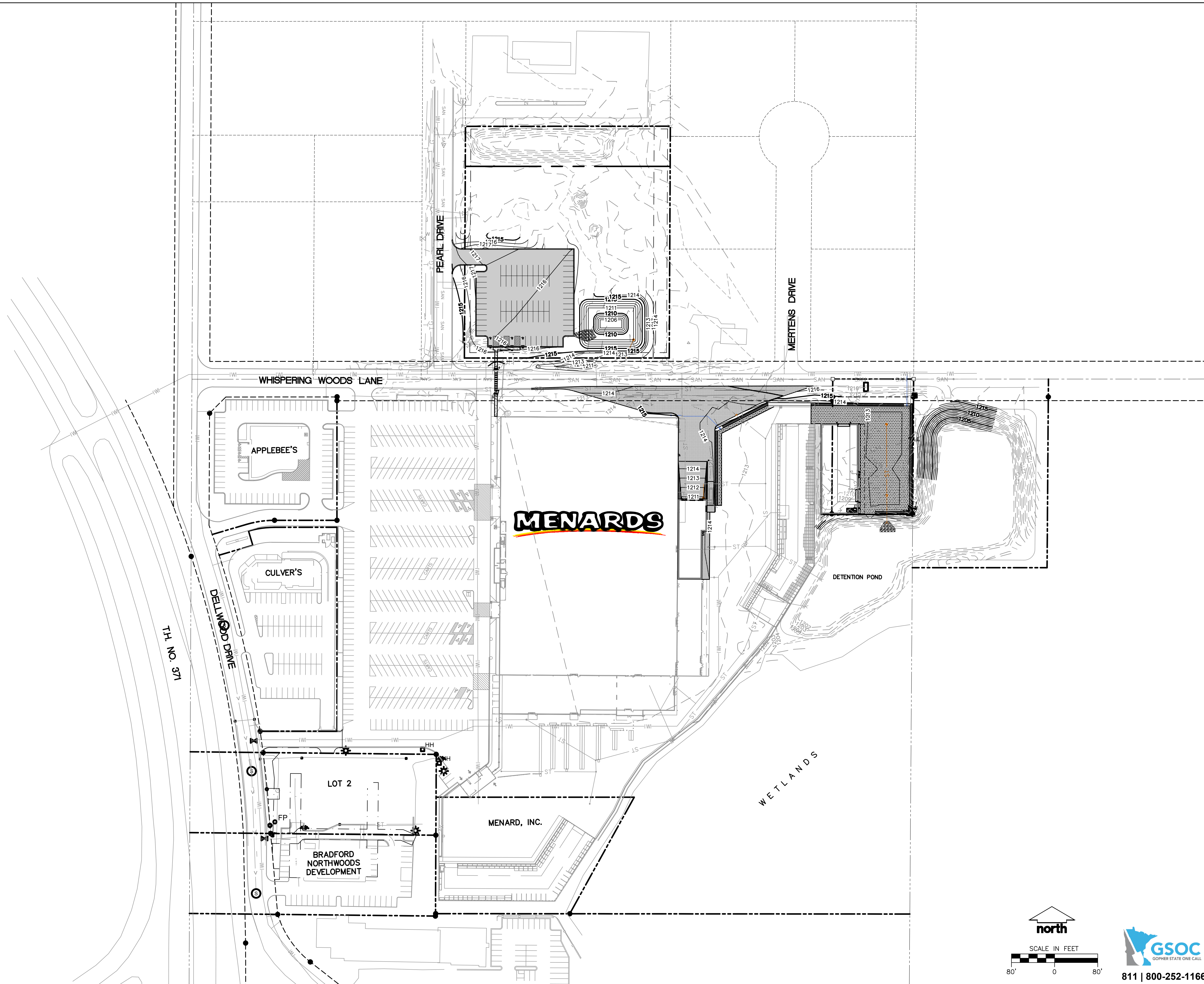
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C4.0

JSD PROJECT NO: 22-11222

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CLIENT:

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CLIENT ADDRESS:

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EAU CLAIRE, WI 54703

PROJECT:

MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:

OVERALL GRADING AND
DRAINAGE PLAN

SHEET NUMBER:

C5.0

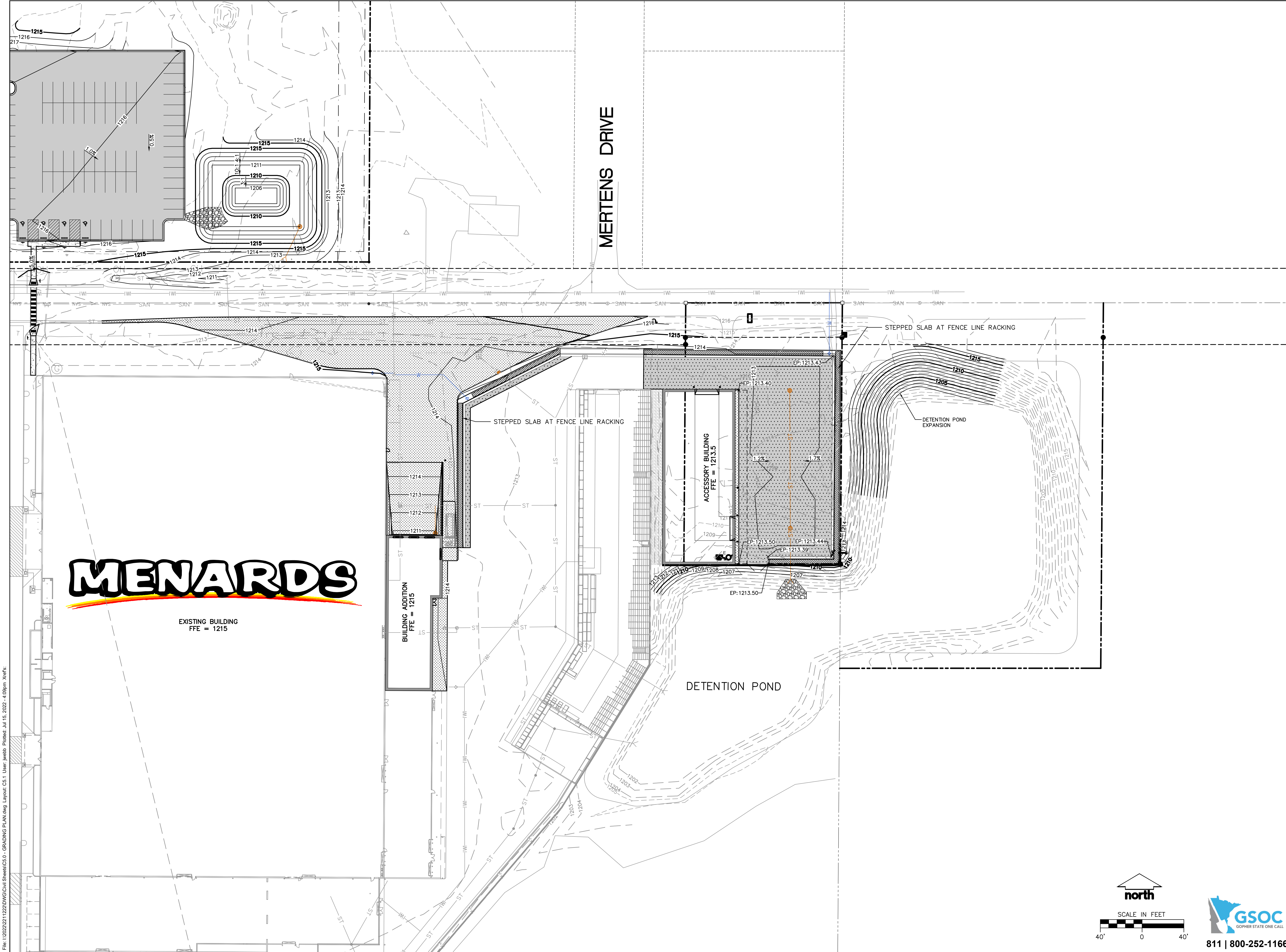
JSD PROJECT NO:

22-11222



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MENARDS

EXISTING BUILDING
FFE = 1215

BUILDING ADDITION
FFE = 1215

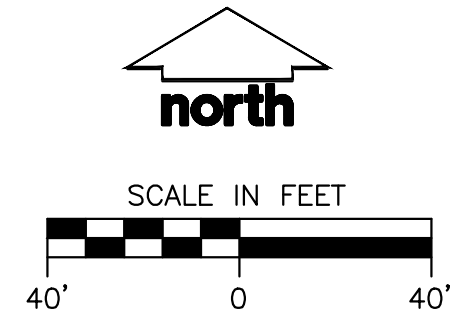
ACCESSORY BUILDING
FFE = 1213.5

DETENTION POND

STEPPED SLAB AT FENCE LINE RACKING

DETENTION POND
EXPANSION

MERTENS DRIVE



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PROJECT:

MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:

GRADING AND DRAINAGE
PLAN - YARD EXPANSION

SHEET NUMBER:

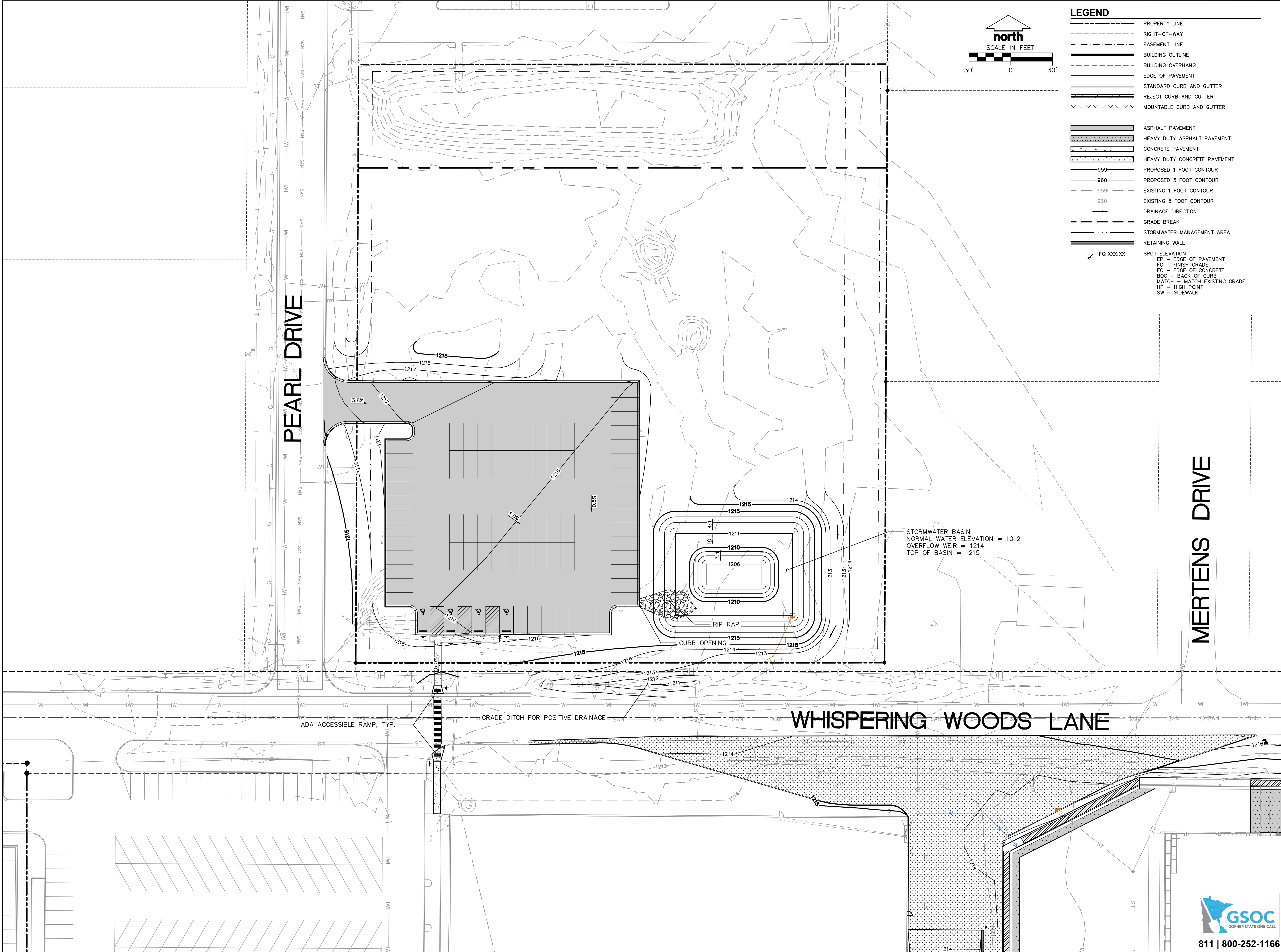
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JSD PROJECT NO:

22-11222

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LEGEND

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- DRAINAGE DIRECTION
- GRADE BREAK
- STORMWATER MANAGEMENT AREA
- RETAINING WALL
- SPOT ELEVATION
 - EP - EDGE OF PAVEMENT
 - FG - FINISH GRADE
 - EC - EDGE OF CONCRETE
 - BOC - BACK OF CURB
 - MATCH - MATCH EXISTING GRADE
 - HP - HIGH POINT
 - SW - SIDEWALK



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AND PARKING LOT
EXPANSION

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:

GRADING AND DRAINAGE
PLAN - PARKING LOT
EXPANSION

SHEET NUMBER:

C5.2

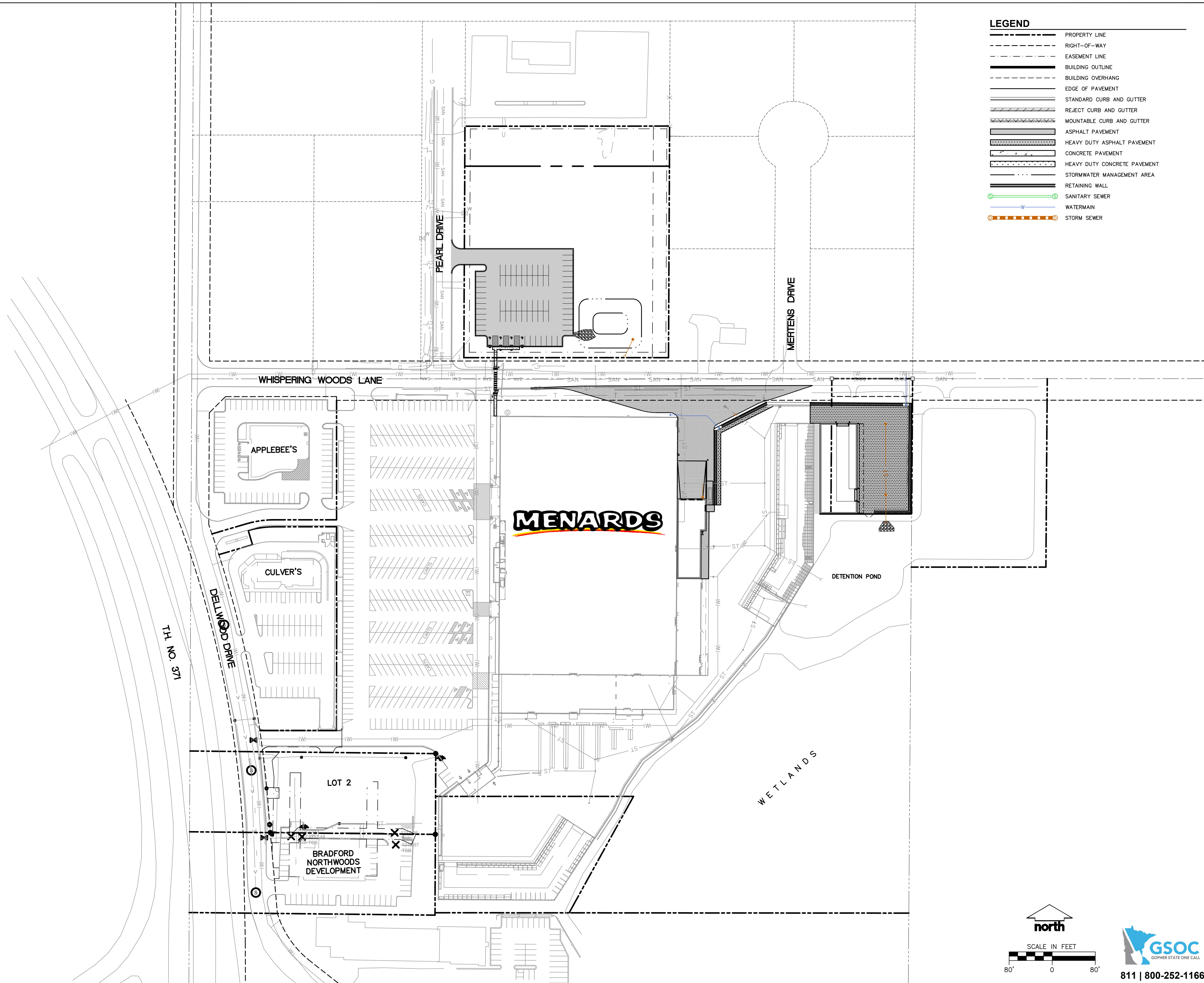
JSD PROJECT NO:

22-11222



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LEGEND

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- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- RETAINING WALL
- SANITARY SEWER
- WATERMAIN
- STORM SEWER

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CLIENT:
MENARD, INC.

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EAU CLAIRE, WI 54703**

PROJECT:
**MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION**

PROJECT LOCATION:
**15236 DELLWOOD DRIVE
BAXTER, CROW WING COUNTY
MINNESOTA, 56401**

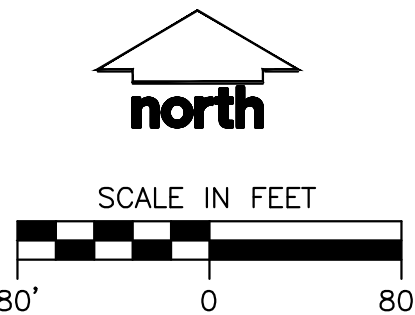
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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

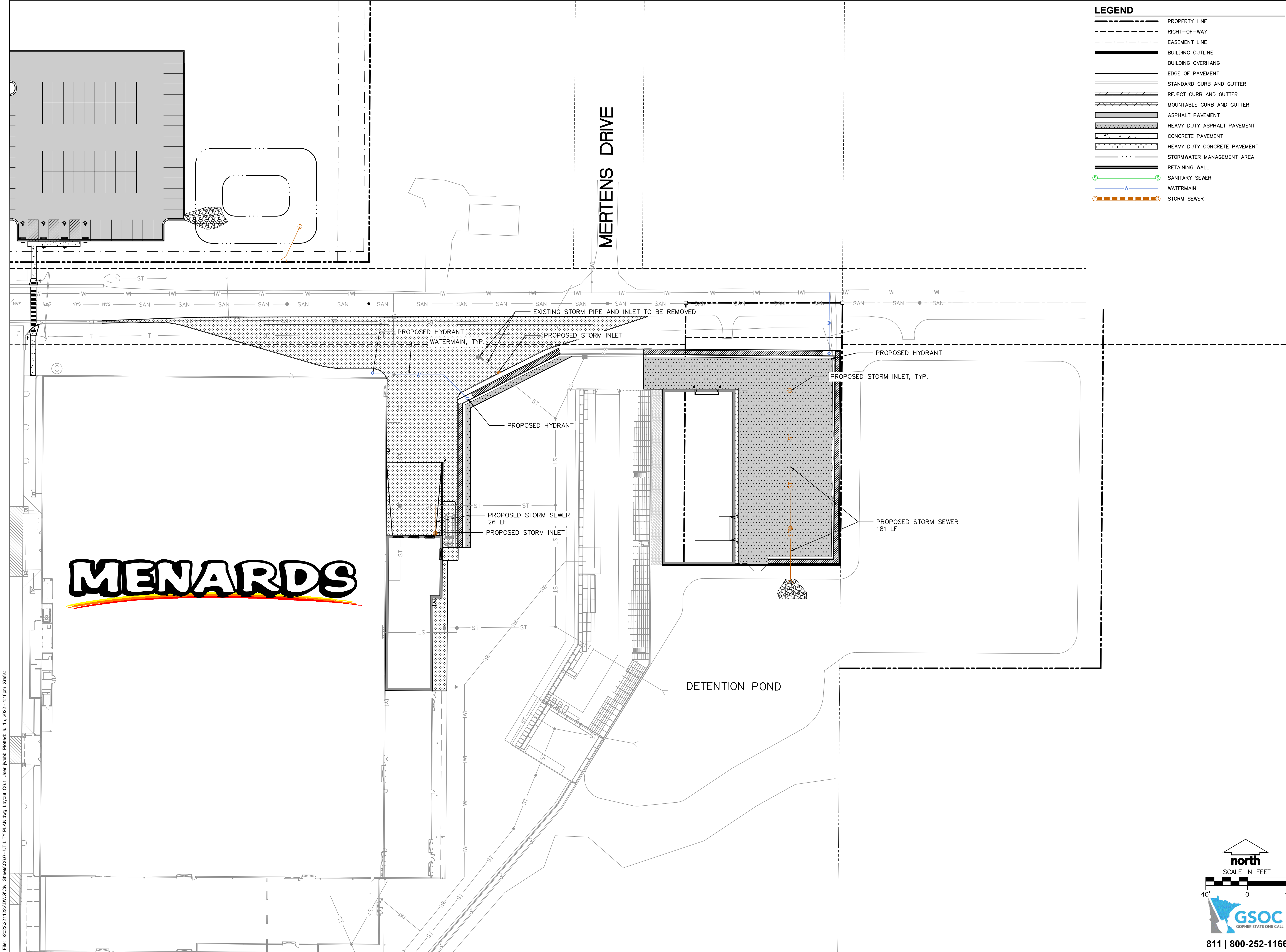
SHEET TITLE:
OVERALL UTILITY PLAN

SHEET NUMBER:
C6.0

JSD PROJECT NO: 22-11222



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Designed By:	JAW
Reviewed By:	PMP
Approved By:	HPJ

SHEET TITLE:
**UTILITY PLAN - YARD
EXPANSION**

SHEET NUMBER:
C5.1

JSD PROJECT NO: 22-11222



SCALE IN FEET

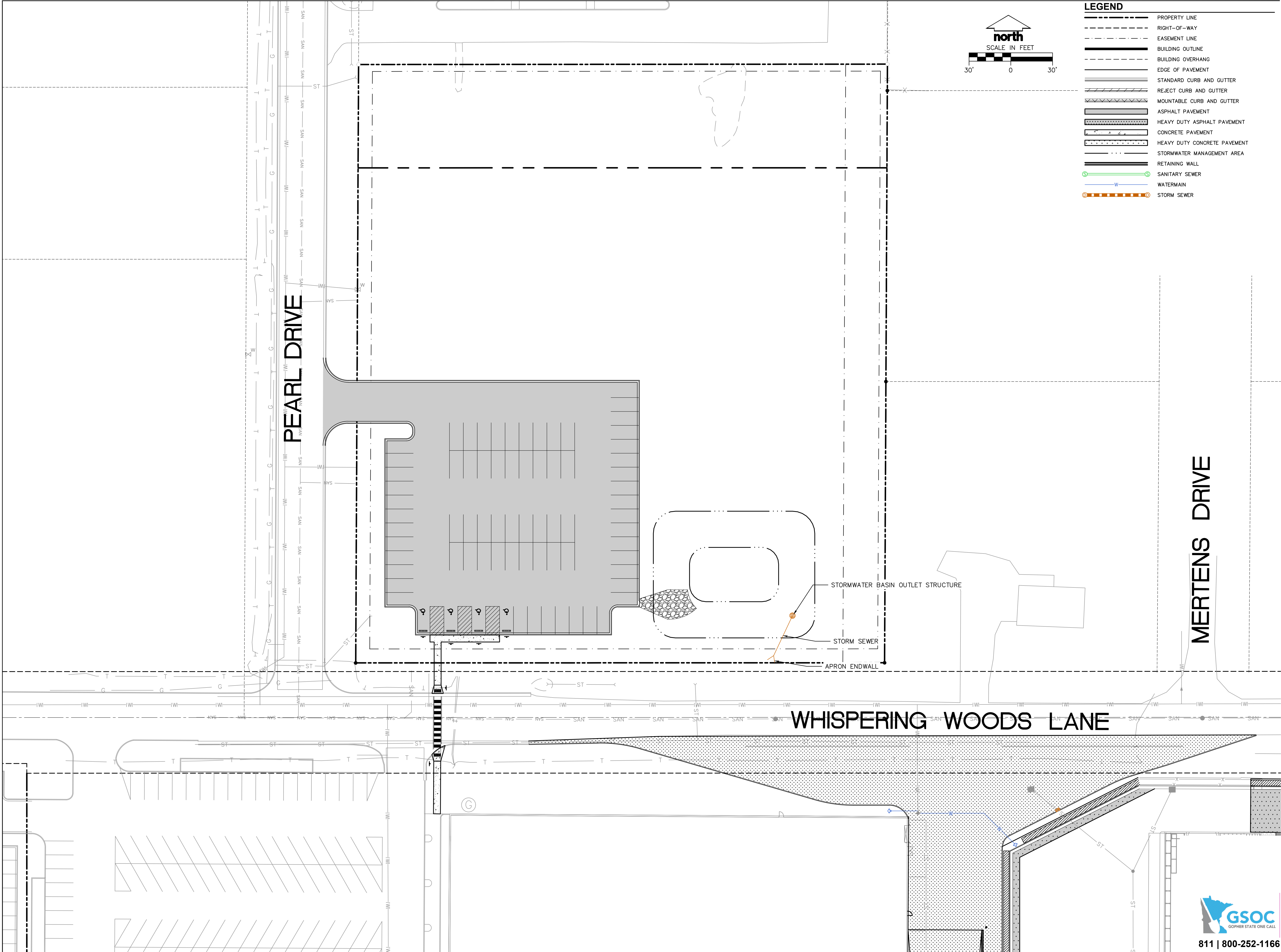


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AND PARKING LOT
EXPANSION**

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MINNESOTA, 56401**

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Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:
**UTILITY PLAN - PARKING
LOT EXPANSION**

SHEET NUMBER:
C5.2

JSD PROJECT NO: 22-11222



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File: 120220221222DWG/Civil Sheets/C7.0 - DETAILS.dwg Layout: C7.0 User: jwells Plotted: Jul 15, 2022 4:33pm Xref's:

SILT FENCE ALONG SLOPES & OUTFALLS

TRENCH DETAIL

SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)

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

JOINT (HOOK METHOD)

JOINT (TWIST METHOD)

GENERAL NOTES:

- SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
- FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
- SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
- SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO MINNESOTA DNR TECHNICAL STANDARDS.
- POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8- FEET FOR WOVEN & 3- FEET FOR NON-WOVEN)

SILT FENCE

N.T.S.

FRAMED INLET PROTECTION

N.T.S.

INSTALLATION INSTRUCTIONS:

- REMOVE GRATE FROM THE DRAINAGE STRUCTURE
- CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE
- DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE
- REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

MAINTENANCE GUIDELINES:

- EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
- REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
- DISPOSE OF SEDIMENT AND DEBRIS BY THE ENGINEERING OR MAINTENANCE CONTRACT 4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG

Weenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft)	Flow Ratings (CFS)		ADS P/N
					HB (Hybrid Bag)	Bypass	
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEXTHB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3618HB
R-2501	Round (RD)	~26	~24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

Woven and Non-Woven Geotextile Filter Bag Properties (Minimum Average Roll Values)

PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (LINER)
TENSILE STRENGTH	ASTM D4832	350v 225 lbs	100 lbs
ELONGATION	ASTM D4832	20% x 15%	52%
QB PUNCTURE	ASTM D3641	1000 lbs	65 lbs
TRIANGULAR TEAR	ASTM D4833	130 x 75 lbs	45 lbs
UV RESISTANCE	ASTM D4855	90%	70%
OPENING SIZE (AOS)	ASTM D4751	20 US STD SIEVE	40 US STD SIEVE
PERMITTIVITY	ASTM D4491	1.5 Sec ⁻¹	2.0 Sec ⁻¹
WATER FLOW RATE	ASTM D4491	200 gal/min/ft ²	145 gal/min/ft ²
MINIMUM FILTER BAG VOLUME		2 CUBIC FT	

FLEXSTORM CATCH IT

PP Flexstorm HD Specifications

CONSTRUCTION ENTRANCE

N.T.S.

CONSTRUCTION ENTRANCE

N.T.S.

ADA PARKING STALL MARKING

N.T.S.

NOTE:
CONTRACTOR TO VERIFY LOCATION WITH OWNER.

ISOMETRIC VIEW TYPICAL SLOPE SOIL STABILIZATION

JOINT (HOOK METHOD)

JOINT (TWIST METHOD)

GENERAL NOTES:

- EROSION MAT CONSTRUCTION SHALL BE IN ACCORDANCE WITH MINNESOTA DNR TECHNICAL STANDARDS FOR NON-CHANNEL EROSION MATTING..
- APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION MATTING

N.T.S.

ADA ACCESSIBLE RAMP - INLINE

N.T.S.

ADA ACCESSIBLE RAMP - CROSS SECTION

N.T.S.

18" STANDARD CURB & GUTTER

N.T.S.

18" REJECT CURB & GUTTER

N.T.S.

STANDARD ASPHALT PAVEMENT SECTION

HEAVY DUTY ASPHALT PAVEMENT SECTION

GENERAL NOTES:

- ASPHALT MIX DESIGN TO BE APPROVED BY MENARD, INC.
- REFER TO MINNESOTA DOT STANDARD SPECIFICATIONS, SUDAS, AND CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS OF SUBGRADE AND BASE COURSE.

ASPAHLT PAVEMENT SECTIONS

N.T.S.

HEAVY DUTY CONCRETE PAVEMENT SECTION

CONCRETE SIDEWALK SECTION

GENERAL NOTES:

- CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH CITY OF COUNCIL BLUFFS STANDARD SPECIFICATIONS.
- CONCRETE PADS FOR RACK MOUNTING AND LARGE/LONG ORDER AREAS TO BE PER MENARDS PLANS.
- REFER TO MINNESOTA DOT STANDARD SPECIFICATIONS, SUDAS, AND CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS OF SUBGRADE AND BASE COURSE.
- SEE SITE PLAN FOR LOCATION OF VARIOUS THICKNESS OF CONCRETE PAVEMENT, IN GENERAL THE FOLLOWING THICKNESS APPLY:
- CONCRETE PAD AT BOTTOM OF EXTERIOR STAIRS = 4"
- SIDEWALK = 6"
- UTILITY EQUIPMENT = 6" WITH REINFORCEMENT
- TRASH COMPACTOR SLAB = 6" WITH REINFORCEMENT
- CONCRETE TURNING SLAB AND YARD GATE SLAB = 7" WITH REINFORCEMENT
- PROPANE SLAB = 8" WITH REINFORCEMENT

CONCRETE PAVEMENT SECTIONS

N.T.S.

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jsdinc.com

MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
MENARD, INC.

CLIENT ADDRESS:
**5101 MENARD DRIVE
EAU CLAIRE, WI 54703**

PROJECT:
**MENARDS LUMBER YARD
AND PARKING LOT
EXPANSION**

PROJECT LOCATION:
**15236 DELLWOOD DRIVE
BAXTER, CROW WING COUNTY
MINNESOTA, 56401**

PLAN MODIFICATIONS:

#	Date:	Description:
1	07.01.2022	50% DOCUMENT REVIEW
2	07.15.2022	MUNICIPAL SUBMITTAL
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: JAW
Reviewed By: PMP
Approved By: HPJ

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
C7.0

JSD PROJECT NO: 22-11222

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[illegible]

N.T.S.

5'-0" MIN.
(OR AS REQUIRED
BY CODE)

RESERVED
PARKING
NO
LEFT
TURN
\$150 FINE

ACCESSIBLE SIGN.
REFER TO DETAIL
6 THIS SHEET

2x2x1/4 ANGLE
IRON 2'-0"
LONG, SUNK 14"
IN CONCRETE

REMOVABLE
STEEL POST

PRECAST BASE
(MIN. 300 LBS)

2'-0"

2'-0"

TOP VIEW

PARKING LOT PAVING

SET BOLT TO SECURE POST

N.T.S.



N.T.S.



N.T.S.



N.T.S.



REV. 12-17-2011



N.T.S



Designed By:	JAW
Reviewed By:	PMP
Approved By:	HPJ

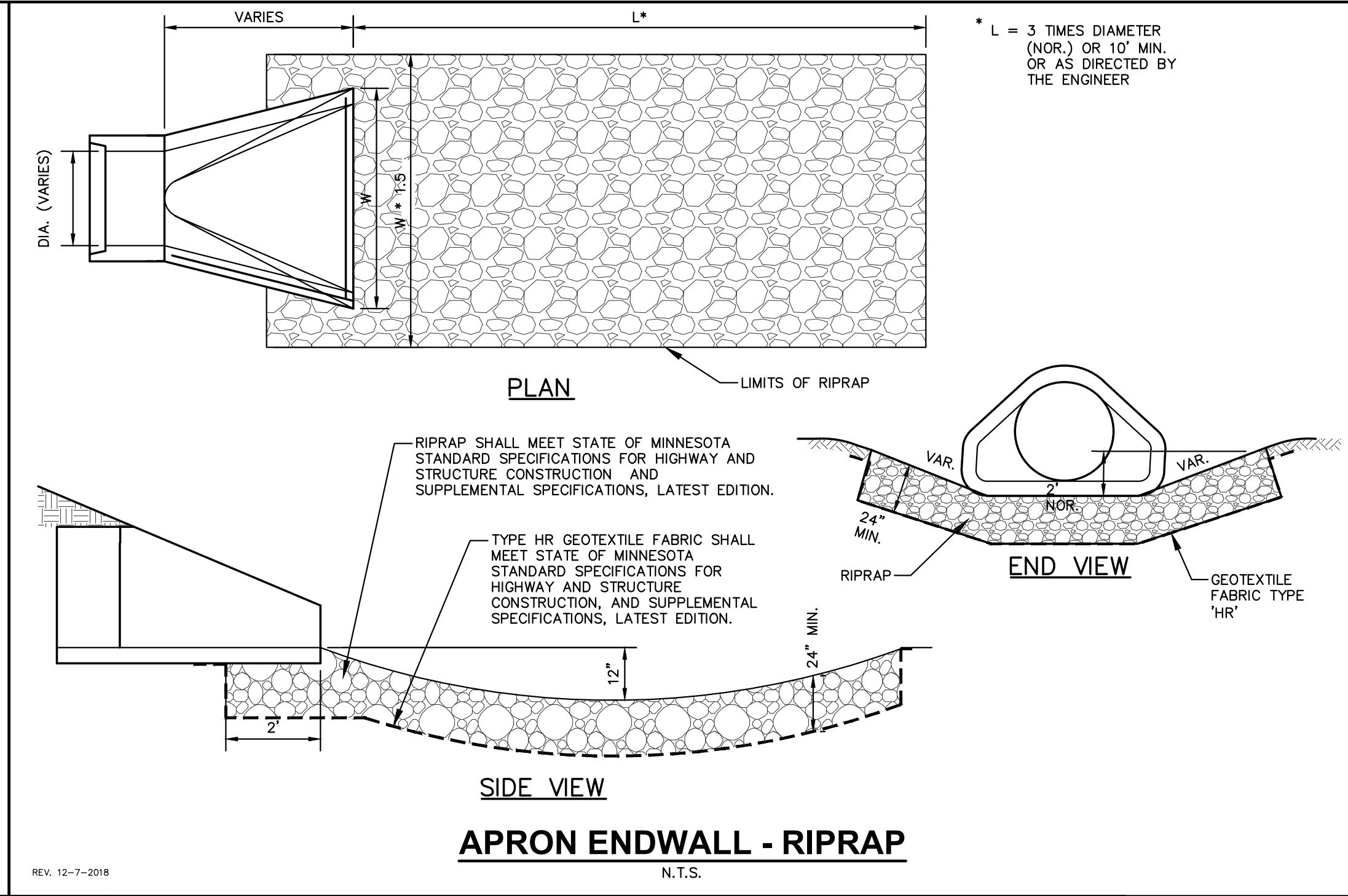
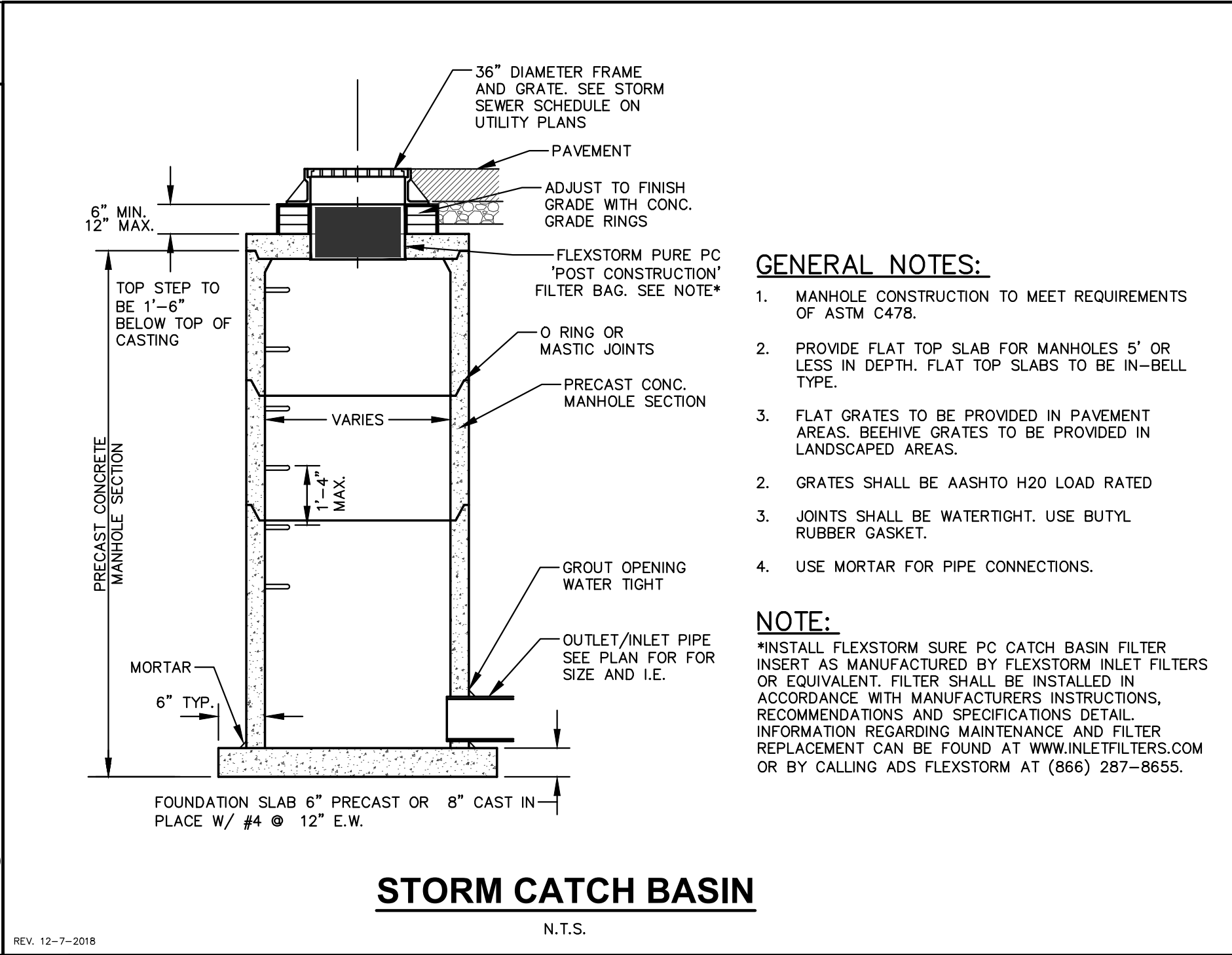
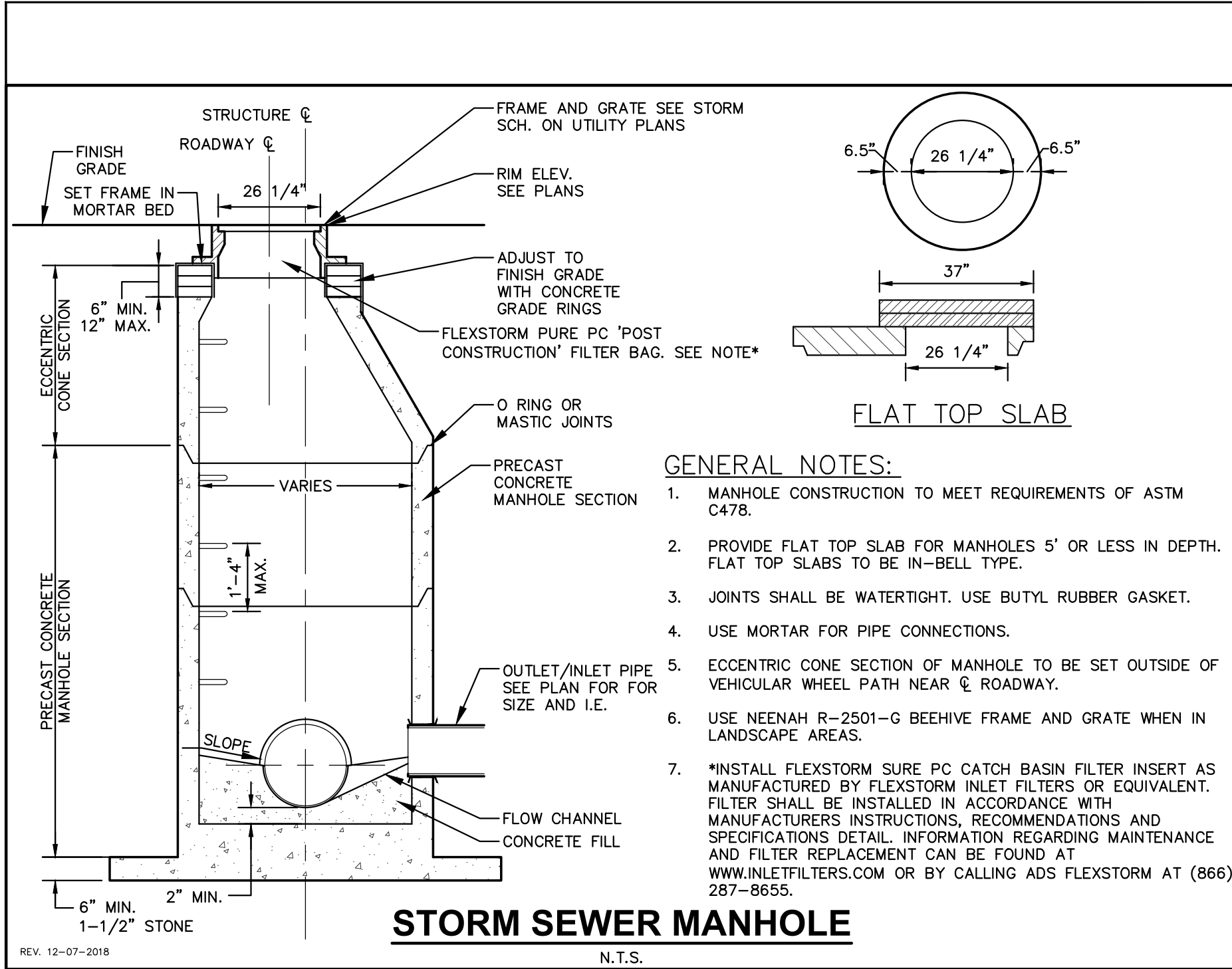
SHEET NUMBER

C7.1

JSD PROJECT NO.

22-1122

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MADISON REGIONAL OFFICE

161 HORIZON DRIVE, SUITE 101

VERONA, WISCONSIN 53593

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CLIENT:
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5101 MENARD DRIVE
EAU CLAIRE, WI 54703

PROJECT:
MENARDS LUMBER YARD
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EXPANSION

PROJECT LOCATION:
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MINNESOTA, 56401

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14		
15		

Designed By: JAW
Reviewed By: PMP
Approved By: HPJ
SHEET TITLE:
UTILITY DETAILS

SHEET NUMBER:
C7.2

JSD PROJECT NO: 22-11222

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