

- THE REGULATIONS AND CONSTRUCTION STANDARDS OF THE CITY OF HILLIARD, TOGETHER WITH THE CURRENT CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE CITY OF COLUMBUS (COLS) AND THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT), INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CON- STRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED.
2. THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE WILL MAKE INSPECTION OF THE WORK. THE CITY ENGINEER WILL REQUIRE AT LEAST 48 HOURS WRITTEN NOTICE BEFORE ANY WORK TAKES PLACE. FAILURE TO REQUEST THE NECESSARY INSPECTION MAY RESULT IN THE REJECTION OF THE WORK AND THE PROJECT.
3. IT IS THE INTENTION OF THE PLANS TO PROVIDE AND REQUIRE A COMPLETED PROJECT READY FOR OPERATION. ANY WORK OMITTED FROM THE PLANS, WHICH IS CLEARLY NECESSARY FOR COMPLETION OF THE WORK, AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK, THOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE PLANS. THIS INCLUDES, BUT IS NOT LIMITED TO, SUCH INCIDENTAL ITEMS AS RELOCATION OF MAILBOXES, SAW CUTTING, AND REMOVAL AND/OR RELOCATION OF SIGNS, SPRINKLERS, OR OTHER MISCELLANEOUS ITEMS.
4. ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR WITH THE COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS RELATED ITEMS.
5. THE CONTRACTOR OR DEVELOPER SHALL DEPOSIT THE TOTAL ESTIMATED COST FOR INSPECTIONS, AS DETERMINED BY THE CITY ENGINEER, WITH THE CITY OF HILLIARD PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL PROVIDE THE CITY OF HILLIARD A SURETY, ACCEPTABLE TO THE CITY OF HILLIARD, EQUAL TO 100% OF CONSTRUCTION COSTS. THE SURETY SHALL GUARANTEE THE WORK FOR ONE YEAR AFTER ACCEPTABLE BY THE CITY.
7. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE OR THE FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO PLANS.
8. APPROVAL OF THESE PLANS IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR CONSTRUCTION OF THE WORK BEING SECURED AND SUBMITTED TO THE CITY OF HILLIARD FOR RECORDING PRIOR TO COMMENCEMENT OF WORK. NO WORK WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THIS IS DONE.
9. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE CAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING ALL REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.
10. THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS.
11. THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE, EXISTING RIGHT-OF-WAYS, AND TEMPORARY AND PERMANENT EASEMENTS AND SHALL NOT ENTER UPON OTHER PROPERTIES WITHOUT WRITTEN PERMISSION OF THE OWNER. IF THE PROPOSED WORK REQUIRES ENTERING EASEMENTS UPON OTHER PROPERTIES, THE CONTRACTOR SHALL NOTIFY THE OWNER(S) IN WRITING NO LESS THAN 72 HOURS IN ADVANCE OF THE COMMENCEMENT OF WORK, AND COPY THE CITY ON ALL CORRESPONDENCE. FAILURE TO NOTIFY AFFECTED PROPERTY OWNERS MAY SUBJECT THE CONTRACTOR TO THE PENALTIES ASSOCIATED WITH THE VIOLATION OF HILLIARD CITY CODE, SECTION 541.05, CRIMINAL TRESPASS.
12. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES, AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE. RESETTING THE MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER AT THE CONTRACTOR'S EXPENSE.
13. PROPERTY BOUNDARIES, INCLUDING PROPERTY LINES AND ROAD RIGHT-OF-WAYS, ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT NECESSARILY COMPLETE OR CORRECT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE FINISHED WORK CONFORM TO THE LINES, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR ON THE DRAWINGS AND TYPICAL SECTIONS.
15. ANY DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT. PURSUANT TO HILLIARD CITY CODE, SECTION 509.08, CONSTRUCTION ACTIVITY IS ONLY PERMITTED BETWEEN THE HOURS OF 7:30 A.M. AND 7:00 P.M. ANY CONSTRUCTION ACTIVITY BEYOND THESE HOURS REQUIRES A WRITTEN REQUEST TO THE DIRECTOR OF PUBLIC SERVICE MEETING THE REQUIREMENTS OF HILLIARD CITY CODE, SECTION 509.08b.
16. PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, OR AS REQUIRED BY THE CITY ENGINEER.
17. ALL SOIL SUBGRADE SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH ITEM 204 TO A DEPTH OF 12 INCHES BELOW THE SUBGRADE SURFACE. SUBGRADE SHALL BE SCARIFIED AND CONTAIN SUFFICIENT MOISTURE TO MEET ITEM 203 COMPACTION REQUIREMENTS.
18. THE CONTRACTOR IS NOT PERMITTED TO USE ANY RECLAIMED MATERIAL IN ITEM 304.
19. NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

- TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL, OR COMMERCIAL DRIVES, SIDEWALKS, OR BIKE PATHS IS PROHIBITED PER HILLIARD CITY CODE, SECTION 905.12 AND ANY SUCH OCCURRENCES SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY OF HILLIARD RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE PAID BY THE CONTRACTOR/DEVELOPER PER HILLIARD CITY CODE, SECTION 905.13.
21. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LANDS, PER COLS ITEM 207.
22. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION.
23. THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER, DRAIN, AND DITCH FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PUT INTO SERVICE. THE CONTRACTOR, TO A CONDITION SATISFACTORY TO THE CITY ENGINEER, SHALL RESTORE THE FLOW OF ALL SEWERS, DRAINS, AND OTHER WATERCOURSES DISTURBED DURING THE PROSECUTION OF THE WORK.
24. ANY MODIFICATION OF THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE HILLIARD CITY ENGINEER.
25. THE CONTRACTOR SHALL CALL TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 SEVENTY-TWO (72) HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION, AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST FORTH-EIGHT (48) HOURS PRIOR TO WORK IN THE VICINITY OF THEIR LINES.
- | <u>UTILITY</u> | <u>OWNER</u> |
|----------------|---|
| TELEPHONE | AMERITECH
150 EAST GAY STREET
COLUMBUS, OH 43215 |
| ELECTRIC | AMERICAN ELECTRIC POWER
850 TECH CENTER DRIVE
GAHANNA, OH 43230-6605 |
| GAS | COLUMBIA GAS
920 WEST GOODALE BLVD.
COLUMBUS, OH 43215 |
| CABLE TV | TIME WARNER CABLE
1266 DUBLIN ROAD
P.O. BOX 2553
COLUMBUS, OH 43216-2553 |
26. EXISTING UTILITIES SHOWN ON THE PLAN ARE FROM THE BEST AVAILABLE RECORDS AND FIELD INVESTIGATION AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN OR NOT.
27. THE CONTRACTOR SHALL EXPOSE AND VERIFY THE LOCATION AND ELEVATION OF ANY UTILITIES WITHIN THE LIMITS OF THE PROPOSED CONDUIT PATH, PRIOR TO STARTING ANY EXCAVATION. IN CASE OF CONFLICT, ADJUSTMENTS IN LOCATION AND ELEVATION OF THE PROPOSED UTILITIES MAY BE MADE IF APPROVED PER GENERAL NOTE #24, OR ARRANGEMENTS SHALL BE MADE TO MOVE THE EXISTING UTILITY TO PROVIDE ADEQUATE CLEARANCE.
28. ALL WATER LINES MUST BE CONSTRUCTED WITH A MINIMUM TEN (10) FEET HORIZONTAL AND ONE & ONE-HALF (1.5) FOOT VERTICAL SEPARATION FROM ALL SEWER LINES. ALL NON-WATER LINE UTILITIES MUST BE CONSTRUCTED WITH A MINIMUM THREE (3) FEET HORIZONTAL AND ONE (1) FOOT VERTICAL SEPARATION.
29. EXISTING DRAIN TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED OR CONNECTED TO THE STORM SEWER SYSTEM BY THE CONTRACTOR, AS APPROVED BY THE CITY ENGINEER. THE COST OF SAID WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS RELATED ITEMS.
30. ALL TRENCHES WITHIN PAVEMENT, BERM, AND SHOULDER LIMITS SHALL BE BACKFILLED OR SECURELY PLATED DURING NON- WORKING HOURS.
31. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. AREAS WITH MULTIPLE DRIVES SHALL HAVE AT LEAST HALF OF THE DRIVES OPEN AT ALL TIMES. PROPERTIES WITH A SINGLE ACCESS WILL REQUIRE STAGED CONSTRUCTION; SHORT- TERM FULL CLOSURE OF A SINGLE ACCESS WILL BE PERMITTED WITH THE PROPERTY OWNER AND/OR TENANT'S AGREEMENT. SUCH FULL CLOSURES SHALL BE SCHEDULED AND COORDINATED WITH THE PROPERTY OWNER/TENANT.
32. AT ALL STORM SEWER AND SANITARY SEWER CROSSINGS, THE TRENCH BACKFILL SHALL CONSIST OF COMPACTED GRANULAR MATERIAL, COLS ITEM 912, BETWEEN THE DEEPER AND SHALLOWER PIPE. FOR WATER LINE CROSSINGS, SEE WATER LINE GENERAL NOTE #13.
33. COMPACTED GRANULAR MATERIAL, COLS ITEM 912 SHALL CONSIST OF NATURAL, BROKEN OR CRUSHED STONE, CRUSHED GRAVEL, OR CRUSHED SLAG. SYNTHETIC OR MAN-MADE MATERIALS ARE UNACCEPTABLE.

35. BACKFILL FOR STORM SEWER AND SANITARY SEWER TRENCHES UNDER PAVEMENT AND WITHIN THE RIGHT-OF-WAY SHALL BE COMPACTED GRANULAR MATERIAL, COLS ITEM 912, TO THE PAVEMENT SUBGRADE. WHERE STORM SEWER AND SANITARY SEWER TRENCHES CROSS THE PAVEMENT, COLS ITEM 912 SHALL EXTEND THE FULL WIDTH OF THE RIGHT-OF-WAY, AND TO WITHIN 6 INCHES OF FINISHED GRADE WHERE NOT UNDER PAVEMENT. FOR BACKFILL FOR WATER LINE TRENCHES UNDER PAVEMENT AND WITHIN THE RIGHT-OF-WAY, SEE WATER LINE GENERAL NOTE #14.
36. BACKFILL FOR STORM SEWER AND SANITARY SEWER TRENCHES PARALLEL TO THE PAVEMENT AND WITHIN THE RIGHT-OF-WAY, WITH THE TOP OF THE TRENCH 3 FEET OR CLOSER TO THE BACK OF CURB OR EDGE OF PAVEMENT OR LOCATED UNDER A PEDESTRIAN PATHWAY, SHALL BE COMPACTED GRANULAR MATERIAL, COLS ITEM 912, TO WITHIN 6 INCHES OF FINISHED GRADE. BACKFILL FOR ALL OTHER STORM SEWER AND SANITARY SEWER TRENCHES WITHIN THE RIGHT-OF-WAY PARALLEL TO THE PAVEMENT, SHALL BE COMPACTED BACKFILL, COLS ITEM 911, EXCEPT THAT COMPACTION SHALL BE TO A MINIMUM 95 PERCENT MAXIMUM DRY DENSITY. PRIOR TO CONSTRUCTION OF THE STREETS, THE CITY ENGINEER MAY REQUIRE SOIL TESTS ON THE BACKFILL. WHERE TEST RESULTS INDICATE THAT THE BACKFILL DOES NOT MEET COMPACTION REQUIREMENTS, THE BACKFILL SHALL BE REMOVED, REPLACED, AND RE-TESTED UNTIL MEETING THOSE REQUIREMENTS. FOR BACKFILL FOR WATER LINE TRENCHES PARALLEL TO THE PAVEMENT, SEE WATER LINE GENERAL NOTE #15.
37. THE CONTRACTOR SHALL INSTALL STREET LIGHTS AT THE LOCATIONS SHOWN ON THE PLANS, INCLUDING ALL WIRING AND DISCONNECTS AND PROVIDE A COMPLETE OPERATING LIGHTING SYSTEM THAT COMPLIES WITH THE CITY OF HILLIARD SPECIFICATIONS.
38. ALL AREAS FOR UNDERGROUND ELECTRIC AND STREET LIGHTING ELECTRIC, TELEPHONE, AND CABLE TV INSTALLATIONS SHALL BE BROUGHT TO FINISHED GRADE, AS SHOWN ON THE GRADING PLAN, PRIOR TO THEIR BEING INSTALLED. ALL FILL REQUIRED SHALL BE COMPACTED IN ACCORDANCE WITH COLS ITEM 203.12, CONDITION 1. THIS WORK SHALL BE PERFORMED AS PART OF THIS PLAN AND THE COST SHALL BE INCLUDED UNDER ITEM 203.
39. ALL SEEDING SHALL BE APPLIED AT THE RATE OF 8 POUNDS (LB.) PER 1,000 SQUARE FEET (SF) AND SHALL USE THE FOLLOWING SEED MIXTURE:
- 40% TITIAN TALL FESCUE
40% TARHEEL TALL FESCUE
10% DENIM KENTUCKY BLUEGRASS
10% RENAISSANCE PERENNIAL RYE GRASS
40. COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST, AND SLOW RELEASE NITROGEN, 50% DERIVED FROM NATURAL ORGANIC SOURCES OF UREA-FORM, PHOSPHOROUS, AND POTASSIUM AND WITH THE FOLLOWING COMPOSITION SHALL BE APPLIED:
- COMPOSITION: 13% NITROGEN, 26% PHOSPHOROUS, AND 12% POTASSIUM BY WEIGHT.
- FERTILIZER SHOULD BE APPLIED AT THE RATE OF 6 POUNDS (LB.) PER 1,000 SQUARE FEET (SF).
41. ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE CONTRACTOR SHALL PAY FOR THE COST OF THIS WORK.
- COH GENERAL NOTES FOR WATER LINES
1. CITY OF COLUMBUS WATER DIVISION PERSONNEL ARE TO OPERATE ALL WATER VALVES.
2. ANY MODIFICATION OF THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE HILLIARD CITY ENGINEER AND THE ADMINISTRATOR, DIVISION OF WATER, CITY OF COLUMBUS.
3. ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER.
4. NO PERSON SHALL BEGIN CONSTRUCTION OR INSTALLATION OF A PUBLIC WATER MAIN UNTIL PLANS HAVE BEEN APPROVED BY THE STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA).
5. APPROVAL OF THESE PLANS IS CONTINGENT UPON THE CITY OF HILLIARD SECURING AN EASEMENT THAT WILL HOLD THE CITY OF COLUMBUS HARMLESS FOR DAMAGES RESULTING FROM MAINTENANCE WORK AND/OR WATER DAMAGES THAT COULD BE ASSOCIATED WITH THIS WATER LINE. PRIOR TO APPROVAL OF THE PLAN BY THE ADMINISTRATOR, DIVISION OF WATER, ALL EASEMENTS REQUIRED FOR WATER MAIN CONSTRUCTION SHALL BE SECURED AND RECORDED.
6. ALL WATER METERS ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED INSIDE OF THE PROPOSED STRUCTURE UNLESS A METER PIT IS APPROVED BY THE ADMINISTRATOR OF THE DIVISION OF WATER. ALL METER PITS MUST BE APPROVED PRIOR TO THE ISSUING OF ANY SERVICE PERMITS AND MUST CONFORM TO STAN- DARD DRAWING L-7103 FOR 5/8 INCH THROUGH 1 INCH METERS OR L-6317 A, B, C, D, & E FOR 1-1/2 INCH OR LARGER METERS.
7. WATER LINES SHALL BE LAID WITH A MINIMUM OF 4 FEET 0 INCHES FROM THE FINISHED SURFACE GRADE TO THE TOP OF THE WATER LINE.
8. ALL BENDS, JOINTS DEFLECTIONS, AND FITTINGS SHALL BE BACKED WITH CONCRETE PER CITY OF COLUMBUS STANDARDS.
9. ALL WATER LINES SHALL MAINTAIN AT LEAST TEN (10) FEET HORIZONTAL AND ONE & ONE-HALF (1.5) FEET VERTICAL SEPARATION FROM ALL SANITARY OR STORM SEWER LINES.
10. ALL DUCTILE IRON WATER MAINS SHALL BE WRAPPED WITH TUBE STYLE 8 MIL LINEAR LOW DENSITY POLYETHYLENE (LLDPE) FILM IN ACCORDANCE WITH STANDARD DRAWINGS L-1003 AND L-1004.

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2. ANY MODIFICATION OF THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE HILLIARD CITY ENGINEER AND THE ADMINISTRATOR, DIVISION OF WATER, CITY OF COLUMBUS.
3. ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER.
4. NO PERSON SHALL BEGIN CONSTRUCTION OR INSTALLATION OF A PUBLIC WATER MAIN UNTIL PLANS HAVE BEEN APPROVED BY THE STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA).
5. APPROVAL OF THESE PLANS IS CONTINGENT UPON THE CITY OF HILLIARD SECURING AN EASEMENT THAT WILL HOLD THE CITY OF COLUMBUS HARMLESS FOR DAMAGES RESULTING FROM MAINTENANCE WORK AND/OR WATER DAMAGES THAT COULD BE ASSOCIATED WITH THIS WATER LINE. PRIOR TO APPROVAL OF THE PLAN BY THE ADMINISTRATOR, DIVISION OF WATER, ALL EASEMENTS REQUIRED FOR WATER MAIN CONSTRUCTION SHALL BE SECURED AND RECORDED.
6. ALL WATER METERS ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED INSIDE OF THE PROPOSED STRUCTURE UNLESS A METER PIT IS APPROVED BY THE ADMINISTRATOR OF THE DIVISION OF WATER. ALL METER PITS MUST BE APPROVED PRIOR TO THE ISSUING OF ANY SERVICE PERMITS AND MUST CONFORM TO STAN- DARD DRAWING L-7103 FOR 5/8 INCH THROUGH 1 INCH METERS OR L-6317 A, B, C, D, & E FOR 1-1/2 INCH OR LARGER METERS.
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- IN CASE OF CONFLICT IN GRADE BETWEEN WATER LINES AND SEWERS, THE WATER LINE SHALL BE LOWERED DURING CONSTRUCTION. WATER LINES SHALL BE DEFLECTED AROUND STRUCTURES WITHOUT THE USE OF SPECIAL FITTINGS, WHERE POSSIBLE, WITHOUT EXCEEDING THE MANUFACTURE'S ALLOWABLE DEFLECTION.
 12. IF THE TOP OF THE OPERATING NUT OF A VALVE IS MORE THAN 36 INCHES BELOW FINISHED GRADE, AN EXTENSION STEM SHALL BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 24 INCHES OF FINISHED GRADE.
 13. AT ALL POINTS OF CROSSING OF WATER LINES AND SEWERS, THE TRENCH BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER COLS ITEM 801.11, BETWEEN THE DEEPER AND SHALLOWER PIPE.
 14. BACKFILL FOR WATER LINE TRENCHES UNDER PAVEMENT AND WITHIN THE RIGHT-OF-WAY SHALL BE COMPACTED GRANULAR MATERIAL, COLS ITEM 801.11, TO THE PAVEMENT SUBGRADE. WHERE WATER LINE TRENCHES CROSS THE PAVEMENT, COLS ITEM 801.11 SHALL EXTEND THE FULL WIDTH OF THE RIGHT-OF-WAY, AND TO WITHIN 6 INCHES OF FINISHED GRADE WHERE NOT UNDER PAVEMENT.
 15. BACKFILL FOR WATER LINE TRENCHES PARALLEL TO THE PAVEMENT AND WITHIN THE RIGHT-OF-WAY, WITH THE TOP OF THE TRENCH 3 FEET OR CLOSER TO THE BACK OF CURB OR EDGE OF PAVEMENT OR LOCATED UNDER A PAVEMENT PATHWAY, SHALL BE COMPACTED GRANULAR MATERIAL, COLS ITEM 801.11, TO WITHIN 6 INCHES OF FINISHED GRADE. BACKFILL FOR ALL OTHER WATER LINE TRENCHES WITHIN THE RIGHT-OF-WAY PARALLEL TO THE PAVEMENT, SHALL BE COMPACTED BACKFILL, COLS ITEM 801.12. PRIOR TO CONSTRUCTION OF THE STREETS, THE CITY ENGINEER MAY REQUIRE SOIL TESTS ON THE BACKFILL. WHERE TEST RESULTS INDICATE THAT THE BACKFILL DOES NOT MEET COMPACTION REQUIREMENTS, THE BACKFILL SHALL BE REMOVED, REPLACED, AND RE-TESTED UNTIL MEETING THOSE REQUIREMENTS.
 16. WATER SERVICE BOXES SHALL BE LOCATED BETWEEN THE CURB AND PROPOSED OR EXISTING SIDEWALK, 1 FOOT FROM THE EDGE OF THE PROPOSED OR EXISTING SIDEWALK. WHEN NO SIDEWALK IS PRESENT OR PROPOSED, WATER SERVICE BOXES SHALL BE LOCATED 2' INSIDE THE RIGHT-OF-WAY OR EASEMENT LINE. REFER TO COLS STANDARD DRAWING L-9901.
 17. FIRE HYDRANTS SHALL BE INSTALLED PER COLS ITEM 809, AND SHALL MEET CITY OF HILLIARD AND NORWICH TOWNSHIP FIRE DEPARTMENT HYDRANT SPECIFICATIONS INCLUDED IN THIS PLAN.
 18. ALL WATER LINES SHALL BE CLEANED AND FLUSHED IN ACCORDANCE WITH COLS ITEM 801.13 PRIOR TO HYDROSTATIC TESTING. ANY WATER MAIN 18 INCHES AND LARGER MUST ALSO BE PROPERLY PIGGED PRIOR TO HYDROSTATIC TESTING.
 19. THE CONTRACTOR SHALL TEST ALL WATER LINES IN ACCORDANCE WITH COLS ITEM 801.14, WITH THE FOLLOWING EXCEPTION: 150 PSI PRESSURE SHALL BE MAINTAINED FOR AT LEAST 2 HOURS, REGARDLESS OF THE AMOUNT OF LEAKAGE. TESTING SHALL BE DONE UNDER THE SUPERVISION OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
 20. ALL WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH COLS ITEM 801.15. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS 5 AND 7 FOR CHLORINATING VALVES AND FOR FIRE HYDRANTS (SECTION 7). COST OF WORK IS TO BE INCLUDED IN PRICE BID FOR ITEM 801.
 21. WHEN WATER LINES ARE READY FOR DISINFECTING, THE DEVELOPER'S ENGINEER SHALL SUBMIT FOUR (4) SETS OF "AS BUILT" PLANS (FULL SIZE SHEETS), AN EXCEL FILE OF THE AS-BUILT WATER LINE COORDINATES SHOWN ON THE PLAN, TWO (2) SETS OF THE COMPLETED WATER SERVICE REPORTS FOR EACH WATER SERVICE CONSTRUCTED, AND A LETTER STATING THAT THE WATER LINES HAVE BEEN PRESSURE TESTED AND NEED TO BE DISINFECTED, TO THE HILLIARD CITY ENGINEER. THE CITY OF HILLIARD WILL, IN TURN, SUBMIT A WRITTEN REQUEST FOR CHLORINATION, THREE (3) SETS OF "AS-BUILT" PLANS (FULL SIZE SHEETS ONLY), THE AS-BUILT SURVEY COORDINATES, THE WATER SERVICE REPORTS, AND THE RESULTS OF THE PRESSURE TEST TO THE CITY OF COLUMBUS, DIVISION OF WATER. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISINFECTING OF ALL WATER LINES CONSTRUCTED UNDER THIS PLAN.
 22. SURVEY COORDINATES SHALL BE OBTAINED FOR THE COMPLETED WATER MAIN CONSTRUCTION AND SHALL INCLUDE ALL VALVES, TEES, CROSSES, BENDS, DEFLECTIONS, PLUGS, REDUCERS, TAPPING SLEEVES, BLOW OFFS, CHLORINATION TAPS, FIRE HYDRANTS, AIR RELEASES, CURB STOPS, CASING PIPE TERMINI, AND OTHER FITTINGS. ADDITIONAL SURVEY COORDINATES ARE REQUIRED ON THE WATER MAIN EVERY 500 FEET WHERE NO FITTING OR OTHER WATER MAIN STRUCTURE IS BEING INSTALLED WITHIN THAT LENGTH OF THE IMPROVEMENT. "SURVEY COORDINATES" INCLUDE ALL MATERIAL, EQUIPMENT, AND LABOR NECESSARY TO OBTAIN HORIZONTAL AND VERTICAL (NORTHING, EASTING, AND ELEVATION) SURVEY COORDINATES FOR THE WATER MAIN IMPROVEMENTS.
- ALL SURVEY COORDINATES SHALL BE REFERENCED TO THE APPLICABLE COUNTY ENGINEER'S MONUMENTS, AND SHALL BE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) WITH THE (NRSR2007) ADJUSTMENT, WITH FURTHER REFERENCE MADE TO THE OHIO STATE PLANE SOUTH COORDINATE SYSTEM, SOUTH ZONE, WITH ELEVATIONS BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ALL COORDINATES (NORTHING, EASTING, ELEVATION) SHALL BE REFERENCED TO THE NEAREST HUNDREDTH (N xxxxxxxx.xx, E xxxxxxxx.xx, ELEVATION xxx.xx). ALL SURVEY COORDINATES SHALL BE ACCURATE TO WITHIN 1.0 FOOT OR LESS HORIZONTAL AND ONE-TENTH FOOT (0.10) OR LESS VERTICAL.
- THE SURVEY COORDINATES SHALL BE DOCUMENTED TO THE HILLIARD CITY ENGINEER IN DIGITAL SPREADSHEET FORMAT AND SHALL INCLUDE THE APPLICABLE ITEM, STATION, NORTHING, EASTING, AND ELEVATION. SURVEY COORDINATES SHALL BE SUBMITTED TO THE HILLIARD CITY ENGINEER AT A WEEKLY BASIS. SURVEY COORDINATES SHALL ALSO BE REQUIRED TO BE SUBMITTED TO THE DIVISION OF WATER AS PART OF THE REQUEST FOR CHLORINATION SUBMITTED BY THE HILLIARD CITY ENGINEER.

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23. NO SERVICE CONNECTION PERMITS SHALL BE ISSUED OR CONNECTIONS MADE TO ANY SERVICE TAPS UNTIL WATER LINES HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS, DIVISION OF WATER. WHEN A 3-INCH OR LARGER TAP IS TO OCCUR ON A 20-INCH OR LARGER WATER MAIN, THE CONTRACTOR SHALL NOTIFY THE DIVISION OF WATER OPERATIONS CONTROL CENTER AT (614) 645-7168 TWENTY FOUR (24) HOURS IN ADVANCE OF PERFORMING THE TAP.
 24. A TAP PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE CITY OF HILLIARD AND THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO MAKING ANY TAPS INTO THE WATER LINE.
 25. THE PROPOSED WATER LINE SHALL BE LOCATED A MINIMUM DISTANCE OF TWENTY (20) FEET AWAY FROM ANY STRUCTURE, OVERHANG, OR FOOTER.
 26. ON DEAD END LINES IN CUL-DE-SACS, THE FINAL TWO 3/4 INCH SERVICE TAPS SHALL BE INSTALLED WITHIN TWO (2) FEET OF THE END OF THE MAIN.
 27. ALL TAPS MADE IN 2-INCH PIPE ARE TO BE MADE WITH FORD SERVICE SADDLE, MODEL S70-203 OR APPROVED EQUAL.
 28. MAGNETIC LOCATOR TAPE SHALL BE PLACED IN THE TRENCH (6 INCHES +/-) ABOVE ALL PVC WATER LINES.
 29. THE CONTRACTOR SHALL IMPRINT A "W", THREE INCHES HIGH, IN THE CURB AT EACH WATER SERVICE LOCATION.
 30. THE CITY OF COLUMBUS, DIVISION OF WATER WILL BE RESPONSIBLE FOR THE REPAIR AND MAINTENANCE OF THE WATER LINE WITHIN THE EASEMENT AREA. BACKFILLING OF ANY EXCAVATION CAUSED BY THE MAINTENANCE, REPAIR, OR REPLACEMENT OF SAID WATER LINE SHALL BE SUCH THAT THE SURFACE IS RESTORED TO ITS FORMER ELEVATION AS NEAR AS IS REASONABLY POSSIBLE.
 31. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST ONE (1) WORKING DAY BUT NOT MORE THAN THREE (3) WORKING DAYS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SERVICE. INTERRUPTION OF WATER SERVICE SHALL BE HELD TO A MINIMUM AND SHALL BE APPROVED BY THE CITY ENGINEER.
- COH GENERAL NOTES FOR STORM SEWERS
1. ANY MODIFICATION OF THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE HILLIARD CITY ENGINEER.
 2. THE PROPOSED SANITARY SEWERS AND SERVICES ARE TO BE CONSTRUCTED UNDER PLAN P _____ PRIOR TO STREET IMPROVEMENTS.
 3. BEFORE THE CONTRACTOR STARTS ANY WORK ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE OF ANY WORK, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS THAT ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE CITY SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.
 4. ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR, TO THE SATISFACTION OF THE CITY ENGINEER, SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS.
 5. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT CONTRACT ITEMS.
 6. ALL STORM SEWERS CONSTRUCTED UNDER THIS PLAN SHALL MEET THE REQUIREMENTS OF COLS ITEM 901 WITH A MINIMUM INSIDE DIAMETER OF 12 INCHES.
 7. ALL NEW CONDUITS, CATCH BASINS AND MANHOLES CONSTRUCTED, AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEANED CONDITION BEFORE THE CITY WILL ACCEPT THE PROJECT.
 8. ALL INLETS, CATCH BASINS, AND MANHOLES SHALL BE CHANNELIZED.
 9. ROADWAY UNDERDRAINS SHALL BE DISCHARGED INTO THE NEAREST STORM STRUCTURE AVAILABLE ALONG THE LINE OF FLOW UNLESS SHOWN OTHERWISE ON THE PLANS.
 10. THE CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED CASTINGS TO MATCH THE SURROUNDING FINISHED GRADE. THE COST OF ALL CASTING ADJUSTMENTS SHALL BE INCLUDED IN THE VARIOUS SEWER ITEMS.
 11. ALL DRAINAGE SWALES ALONG REAR LOT LINES, SHOWN ON THE GRADING PLAN, SHALL BE CONSTRUCTED TO FINISHED GRADE AS PART OF THIS PLAN AND THE COST SHALL BE INCLUDED UNDER COLS ITEM 203.

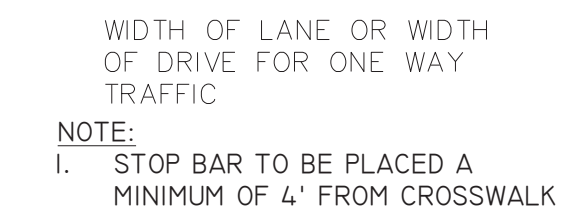


HEAVY DUTY CONCRETE PAVEMENT SECTION

SCALE: NTS



WHEEL STOP
SCALE: NTS



STOP BAR DETAIL

1. ALL PAVEMENT MARKINGS TO BE WHITE IN COLOR.
2. ALL PAINT AND INSTALLATION METHODS TO CONFORM TO ODOT STANDARDS AND SPECIFICATIONS.
3. ALL PAVEMENT MARKINGS TO CONFORM TO OMUTCD SPECIFICATIONS AND REQUIREMENTS.

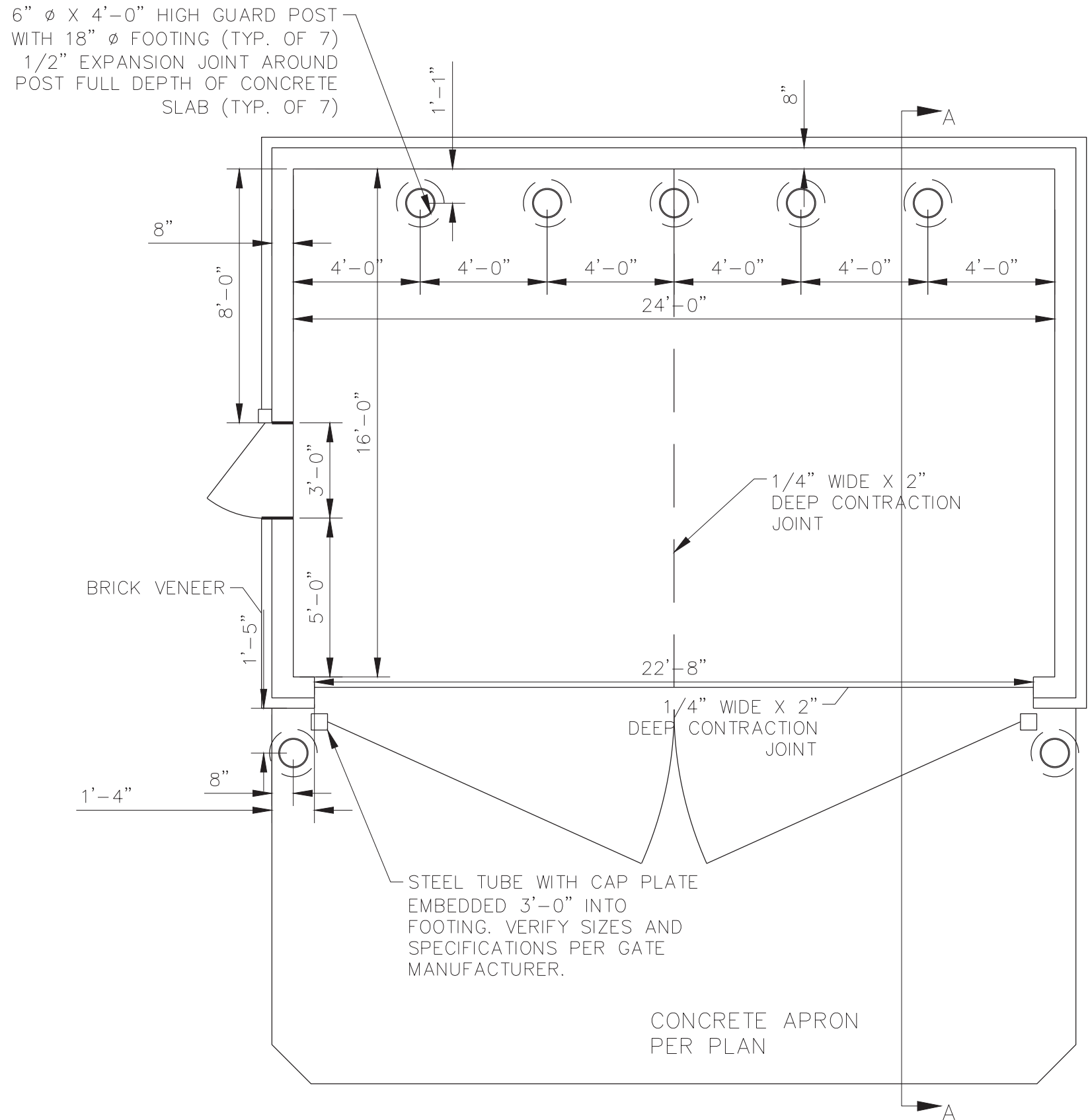
PAVEMENT MARKING DETAIL

SCALE: NTS

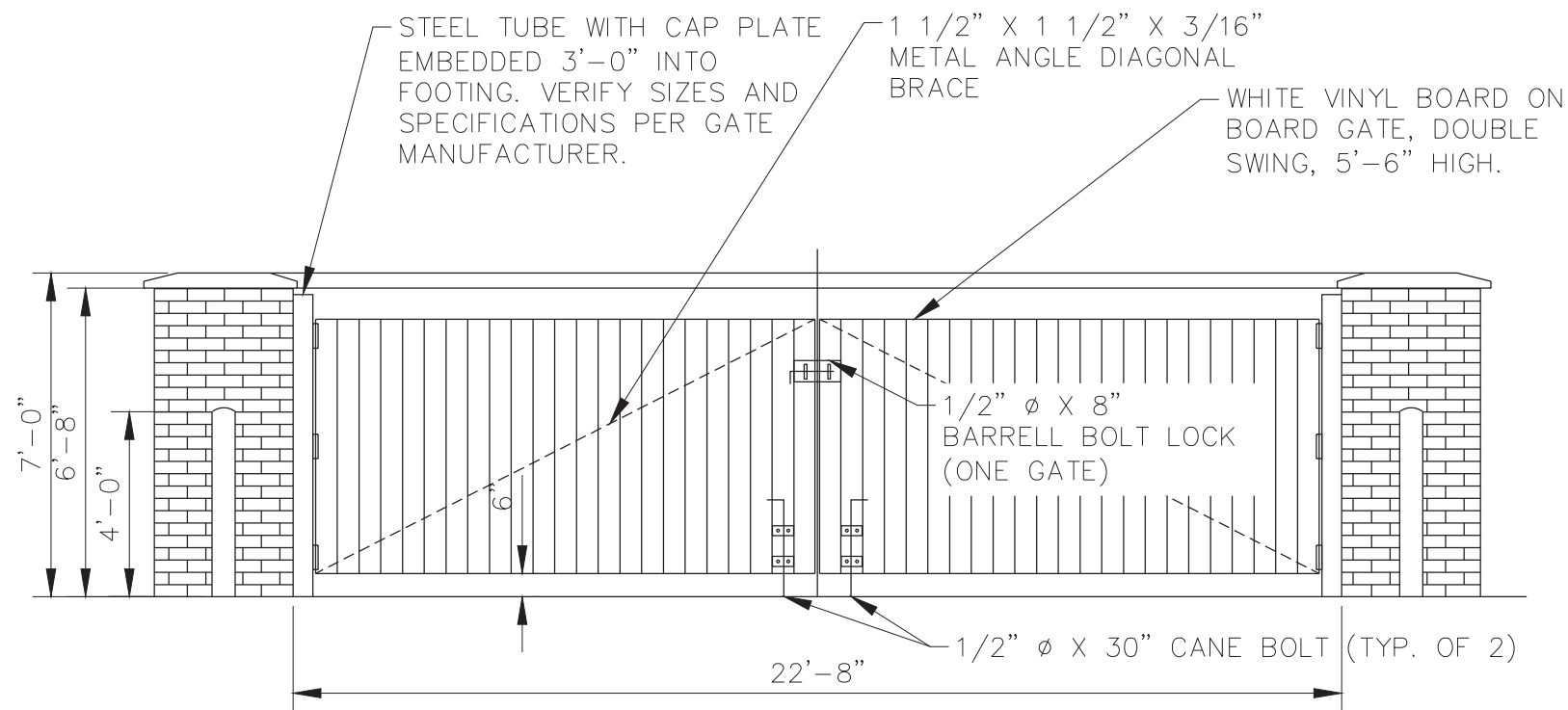


PRELIMINARY
NOT FOR CONSTRUCTION

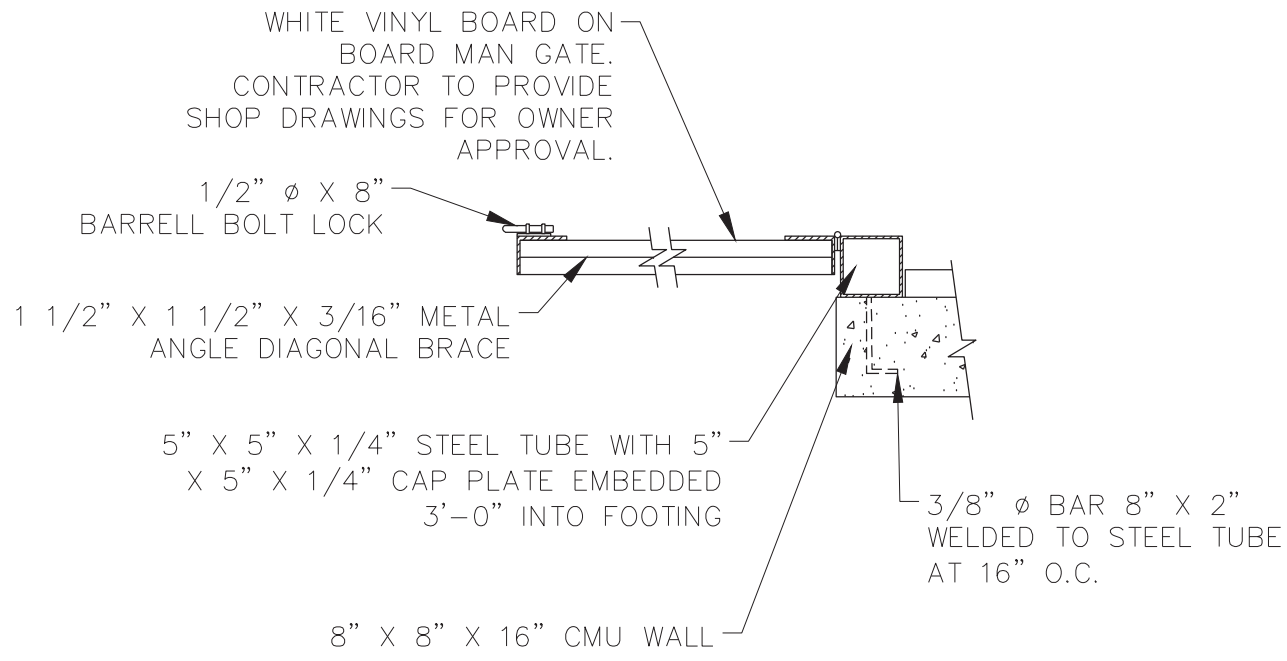
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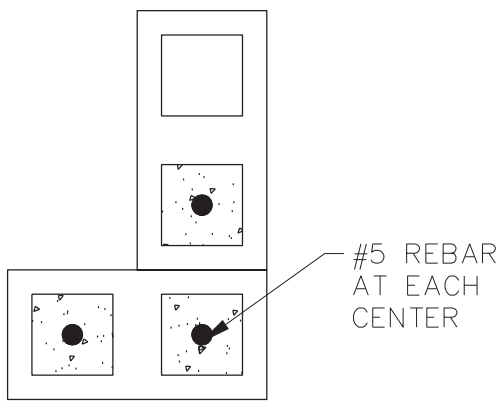
FOUNDATION PLAN



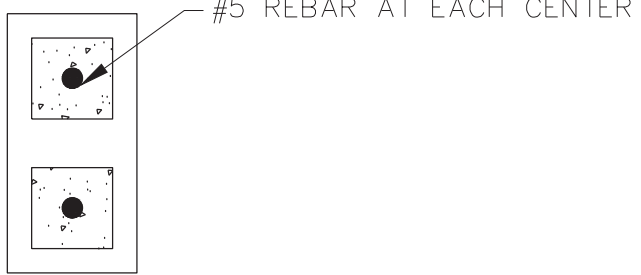
ELEVATION — FRONT



JAMB DETAIL

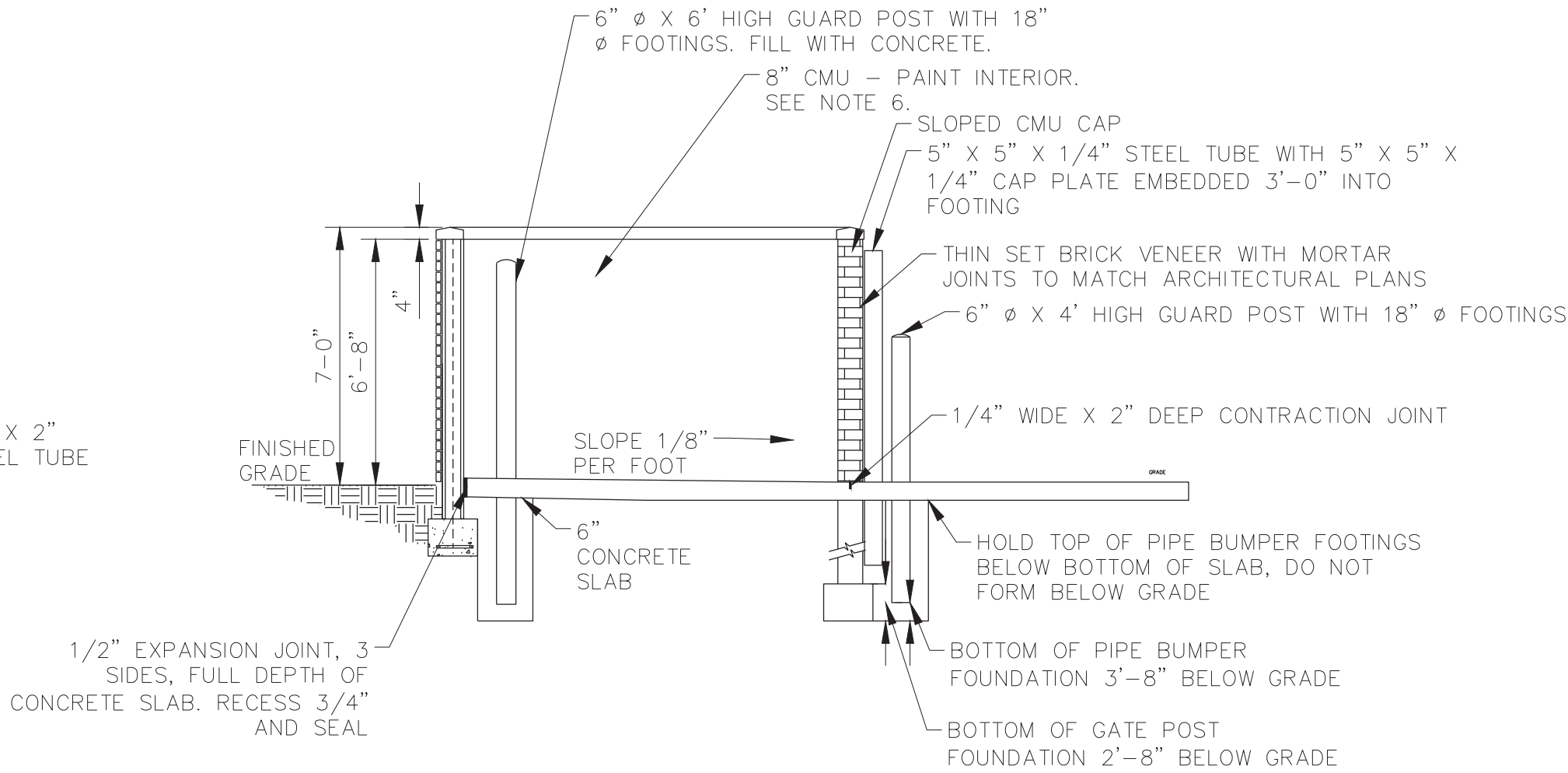


REINFORCEMENT AT END OF MASONRY WALL

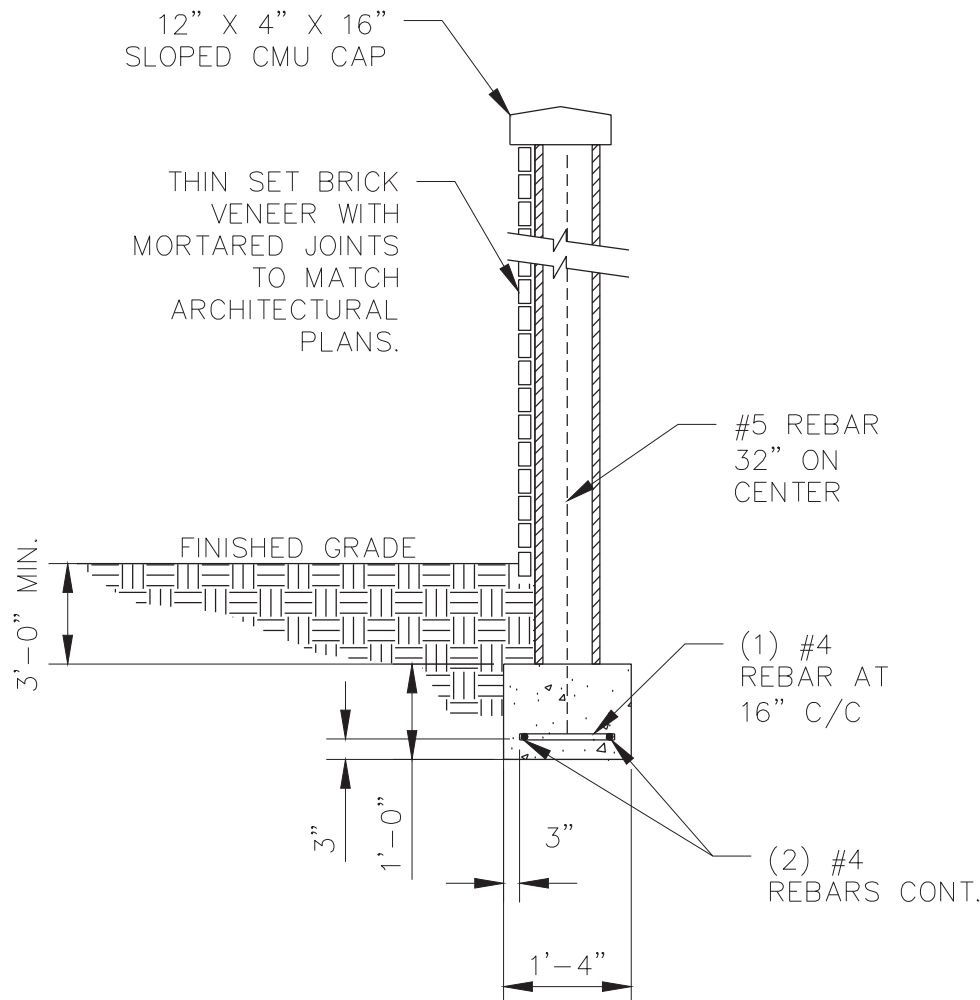


REINFORCEMENT AT JAMB

DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE



SECTION A-A'



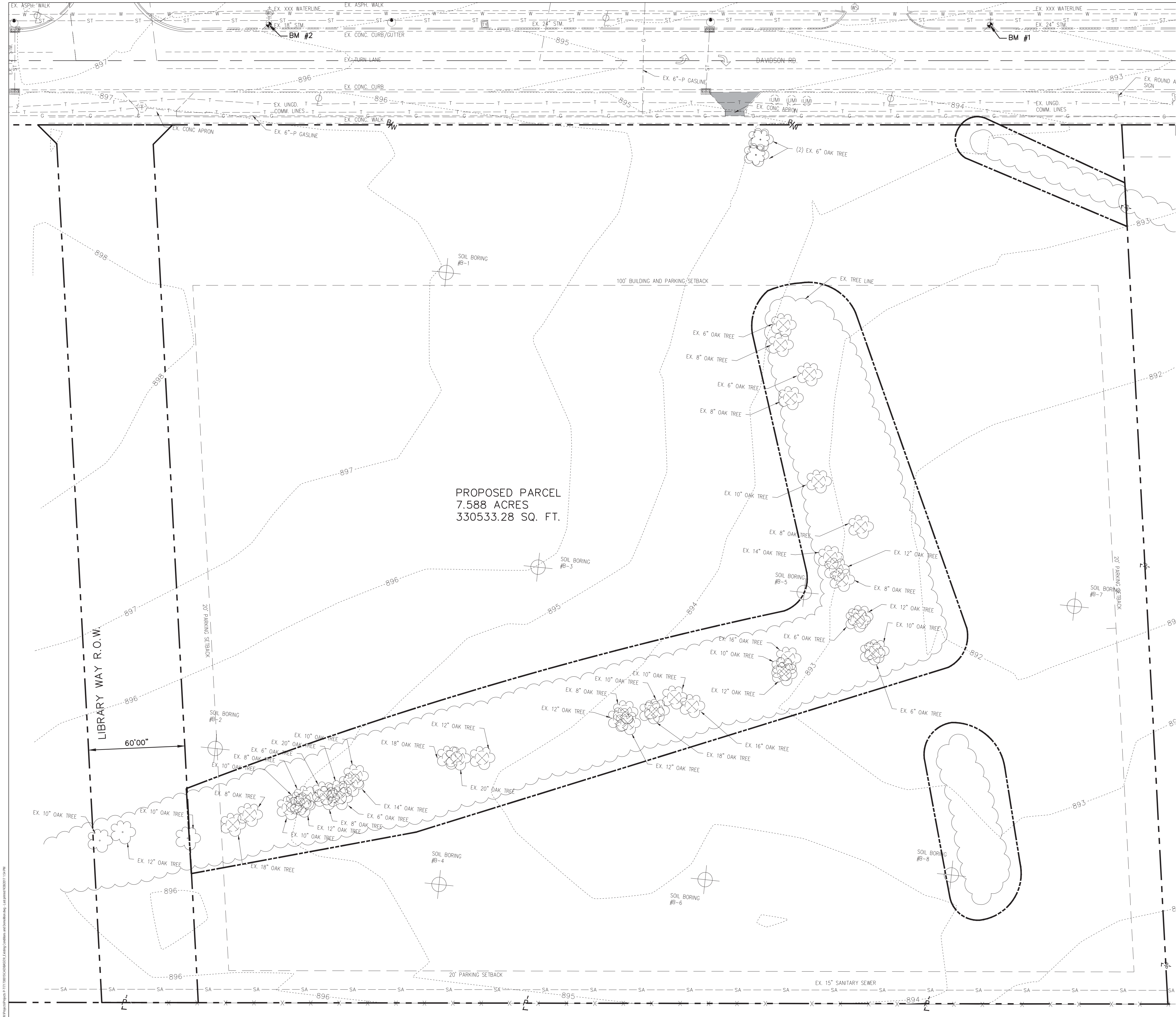
WALL CROSS SECTION

GENERAL NOTES:

1. LADDER TYPE REINFORCEMENT TO BE PLACED BETWEEN THE FIRST TWO COURSES ABOVE THE FOOTING, EVERY OTHER COURSE THEREAFTER, AND BETWEEN THE LAST TWO COURSES AT THE TOP OF THE MASONRY. REINFORCEMENT SHALL NOT BE CONTINUOUS THROUGH CONTROL JOINTS.
2. GROUT ALL CMU CELLS BELOW GRADE. GROUT ONLY CELLS WITH REBAR ABOVE GRADE.
3. BRICK VENEER AND MORTARED JOINT PATTERN TO MATCH ARCHITECTURAL PLANS OF PROPOSED BUILDING.
4. REFER TO GRADING PLAN FOR PAVEMENT ELEVATIONS.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF GATES TO PROJECT ENGINEER AND OWNER PRIOR TO ORDERING.
6. TREAT DUMPSTER ENCLOSURE INTERIOR WITH SHERWIN WILLIAMS PREP RITE LATEX BLOCK FILLER OR APPROVED EQUAL. PAINT WITH SHERWIN WILLIAMS EXTERIOR SUPER PAINT IN SATIN FINISH, COLOR SW7599 BRICK PAVER, OR APPROVED EQUAL. CONTRACTOR TO PROVIDE PAINT SAMPLE TO OWNER PRIOR TO ORDERING.
7. BOLLARDS TO BE PAINTED WITH SHERWIN WILLIAMS SAFETY YELLOW STEEL PAINT OR APPROVED EQUAL.

PRELIMINARY
NOT FOR CONSTRUCTION

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	09-27-2017	MTB	PLANNING COMMISSION APPLICATION	1	09-27-2017	MTB	REVIEW PLANNING COMMISSION APPLICATION
2				2			
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LEGEND OF EXISTING CONDITIONS

- W WATER LINE
- T UNDERGROUND TELECOM
- PROPERTY LINE
- PROPOSED PROPERTY LINE
- RIGHT-OF-WAY
- CENTER LINE
- G GAS LINE
- X CHAIN-LINK FENCE
- E UNDERGROUND ELECTRIC
- ST STORM LINE
- SA SANITARY LINE
- OHE OVERHEAD TELEPHONE & ELECTRIC LINES
- SM SANITARY MANHOLE
- UM UTILITY MANHOLE
- CI CURB INLET
- FH FIRE HYDRANT
- WSV WATER SERVICE VALVE
- CTV CABLE TV BOX
- TM TELEPHONE MANHOLE
- PTP POWER TELEPHONE POLE
- LP LIGHT POLE
- DG DOWN GUY
- SP SIGN PUBLIC
- SBT SOIL BORING TARGET
- BM BENCHMARK

DEMOLITION LEGEND

- PAVEMENT REMOVAL
- CLEARING LIMITS
- SAWCUT
- CONCRETE CURB REMOVAL
- UTILITY REMOVAL
- TREE REMOVAL
- DEMOLITION CODED NOTE

EXISTING STORM STRUCTURE TABLE

- | | |
|--|--|
| ① EX. CATCH BASIN SQUARE #1570
T/C = 887.63
FL. 8" PVC. (NE) = 884.08
FL. 24" RCP. (E) = 883.63 | ⑥ EX. STM MH #1302
T/C = 894.78
FL. 22" CPP. (NW) = 890.53
FL. 24" CPP. (E) = 890.51
FL. 12" CCP. (S) = 890.93 |
| ② EX. CURB INLET #1206
T/C = 891.73
FL. 12" CPP. (N) = 888.73
FL. 12" CPP. (S) = 888.77 | ⑦ EX. STM MH #1329
T/C = 895.81
FL. 18" CPP. (W) = 891.76
FL. 24" CCP. (E) = 891.75 |
| ③ EX. CURB INLET #1474
T/C = 891.88
FL. 12" CPP. (N) = 889.30 | ⑧ EX. CURB INLET #1000
T/C = 896.88
FL. 2" CPP. (N) = 893.86 |
| ④ EX. STM MH #1205
T/C = 892.14
FL. 24" CPP. (W) = 890.16
FL. 6" PVC. (NW) = 890.44
FL. 24" CCP. (E) = 890.12
FL. 12" CCP. (D) = 890.27 | ⑨ EX. CURB INLET #1409
T/C = 896.90
FL. 12" CPP. (N) = 893.88
FL. 12" CPP. (S) = 893.88 |
| ⑤ EX. CURB INLET #1301
T/C = 894.10
FL. 12" CPP. (N) = 891.20
FL. 12" CPP. (S) = 891.22 | ⑩ EX. STM MH #1410
T/C = 897.67
FL. 15" CPP. (W) = 893.44
FL. 18" CPP. (E) = 893.42
FL. 12" CCP. (S) = 893.80 |

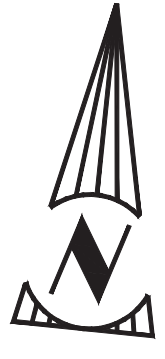
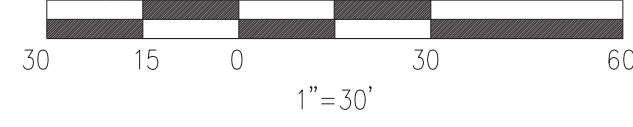
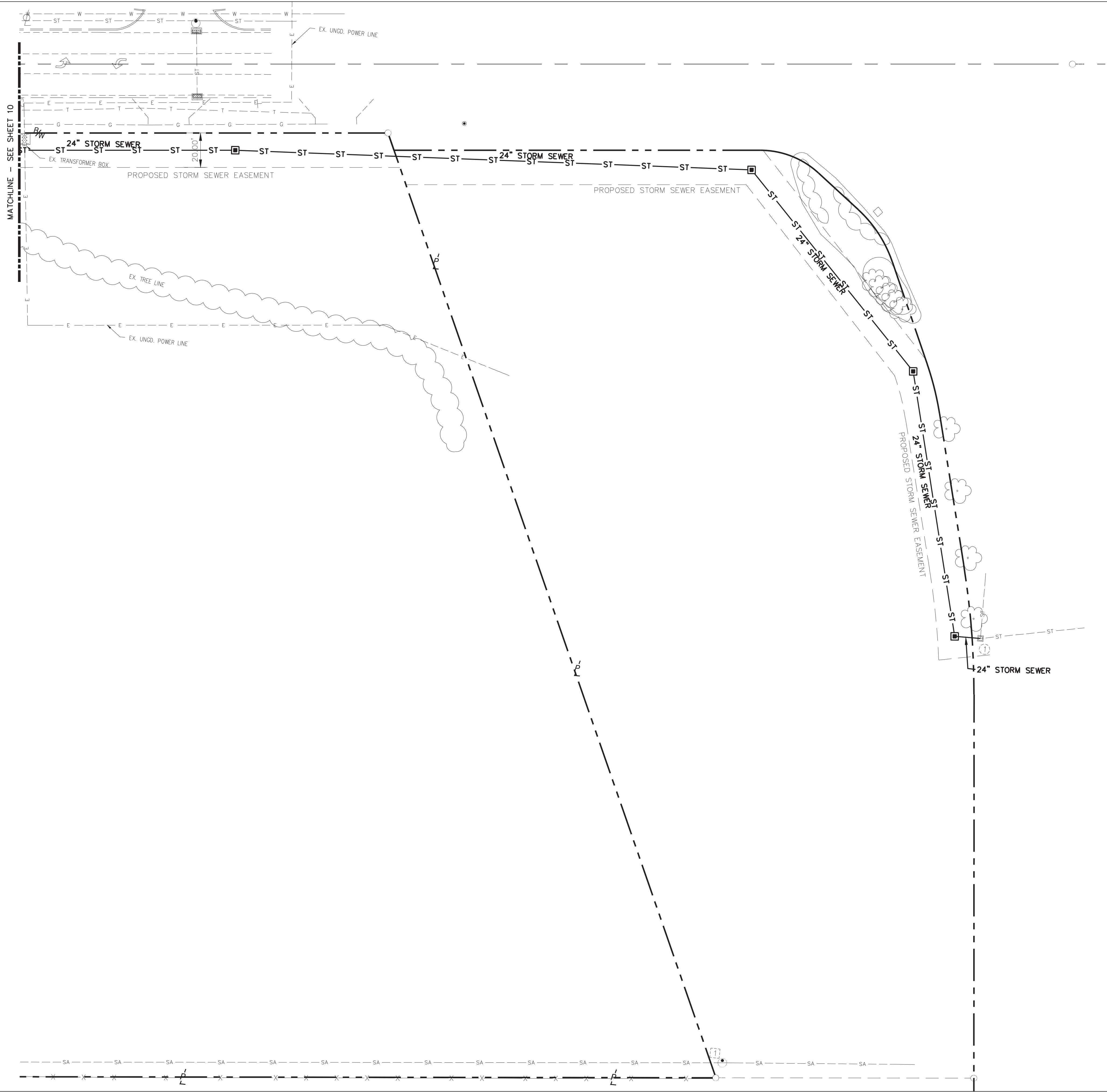
EXISTING SANITARY STRUCTURE TABLE

- | |
|---|
| ⑪ EX. SAN. MH #1636
T/C = 891.57
FL. 15" PVC. (W) = 872.41
FL. 15" PVC. (E) = 872.37 |
|---|

PRELIMINARY
NOT FOR CONSTRUCTION

9		EXISTING CONDITIONS & DEMOLITION PLAN		PROPOSED CONTINUUM OF CARE FACILITY		PREPARED FOR:		 TECHNICAL SKILL. CREATIVE SPIRIT. www.MannikSmithGroup.com		23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216.378.1492 FAX: 216.378.1497		NO.		DATE		BY		DESCRIPTION	
23				DAVIDSON RD AND BRITTON PKWY HILLIARD, OH 43026		303 N HURSTBOURNE PKWY, SUITE 200 LOUISVILLE, KY 40222				PROJECT DATE: SEPT 2017 PROJECT NO.: TT1720015				09-06-2017		MTB		PLANNING COMMISSION APPLICATION	
										DRAWN BY: JKZ				09-27-2017		MTB		REVISED PLANNING COMMISSION APPLICATION	
										CHECKED BY: MTB									

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- PROPOSED UTILITIES LEGEND**
- ST — PROPOSED STORM SEWER
 - SAN — PROPOSED SANITARY SEWER
 - W — PROPOSED WATER LINE
 - E — PROPOSED ELECTRIC SERVICE
 - COMM — PROPOSED TELECOM. SERVICE
 - G — PROPOSED GAS LINE
 - - - - - PROPOSED UNDERDRAIN
 - MANHOLE
 - ▣ CATCH BASIN, FINGER DRAINS WHERE SHOWN ON PLANS
 - ⊙ YARD DRAIN
 - ⊙ CLEAN OUT
 - ⊙ FIRE HYDRANT
 - ⊙ WATER VALVE
 - ⊙ FIRE DEPARTMENT CONNECTION
 - ⊙ PROPOSED UTILITY POLE
 - # UTILITY CODED NOTE

EXISTING STORM STRUCTURE TABLE

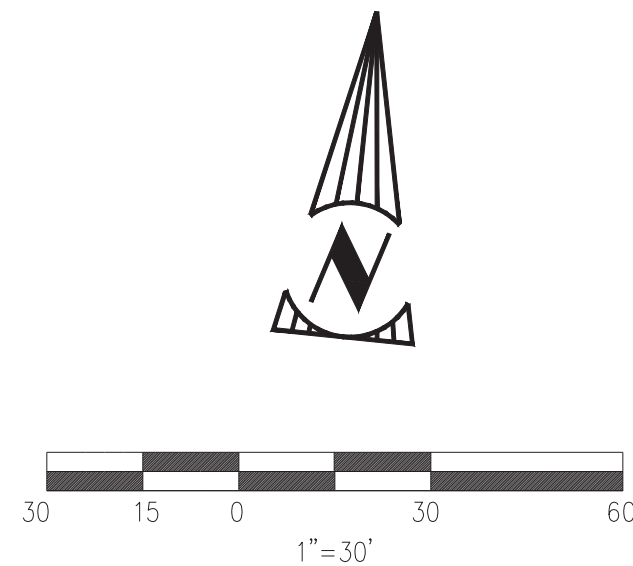
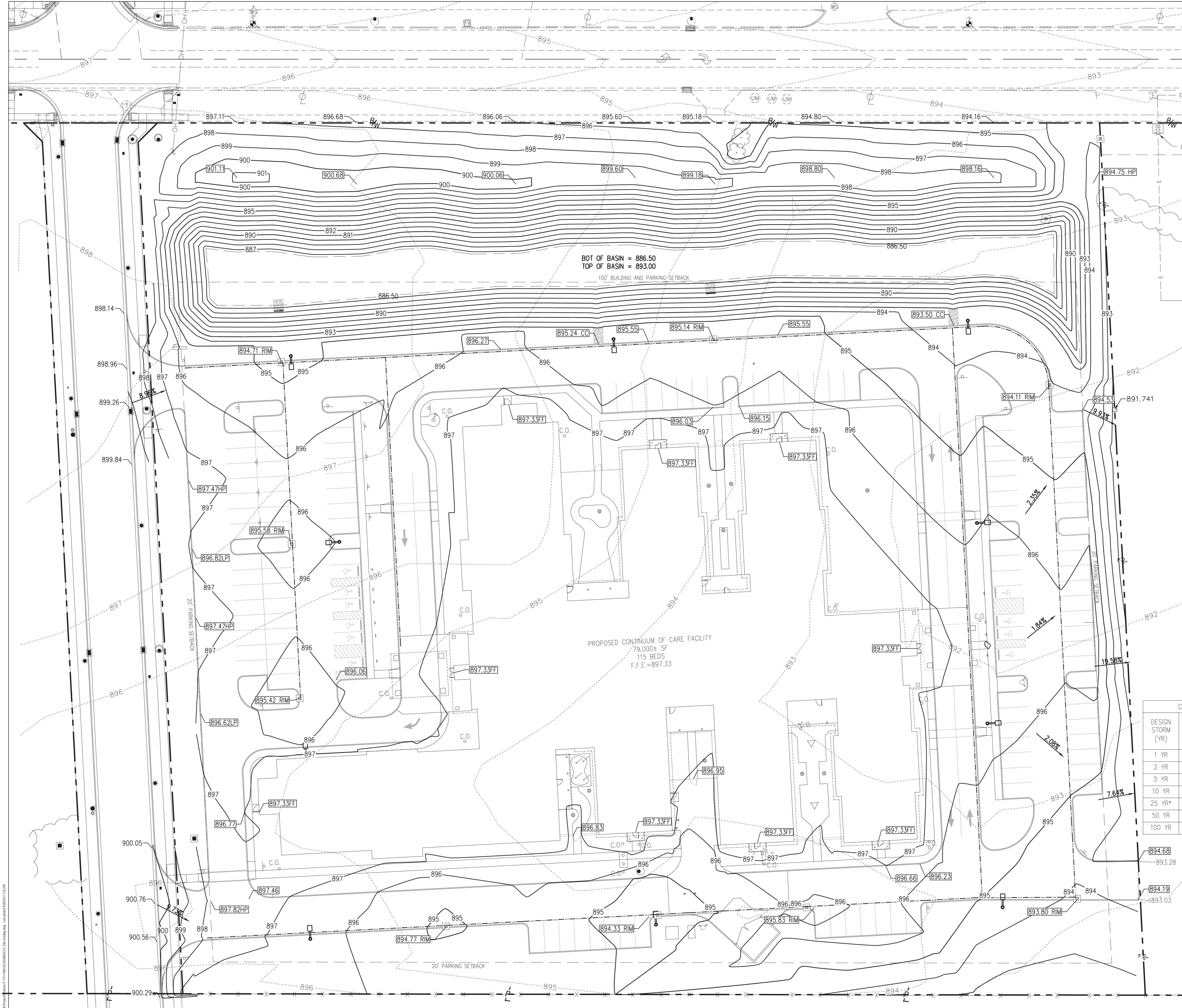
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T/C = 896.88
FL. 2" CPP. (N) = 893.86 |
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EXISTING SANITARY STRUCTURE TABLE

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|--|

PRELIMINARY
NOT FOR CONSTRUCTION

DESCRIPTION	
BY	PLANNING COMMISSION APPLICATION
MTB	REVISED PLANNING COMMISSION APPLICATION
DATE	
09/26/2017	
09/27/2017	
NO	
2025 MEGANTILE ROAD BEACHWOOD, OH 43022 TEL: 216.378.1400 FAX: 216.378.1497	
PROJECT DATE:	SEPT 2017
PROJECT NO.:	TT170015
DRAWN BY:	JKZ
CHECKED BY:	MTB
TECHNICAL SKILL: CREATIVE SPIRIT.	
Mannik Smith GROUP www.MannikSmithGroup.com	
PREPARED FOR:	TRILGY HEALTH SERVICES, LLC
303 N HURSTBOURNE PKWY, SUITE 200 LOUISVILLE, KY 40222	
PROPOSED CONTINUUM OF CARE FACILITY	
DAVIDSON RD AND BRITTON PKWY HILLIARD, OH 43026	
UTILITY PLAN 2 OF 2	
12	23



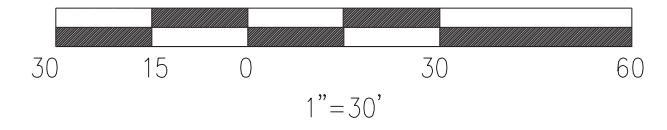
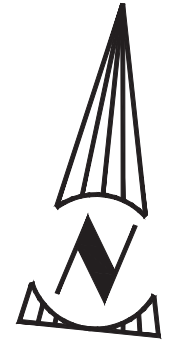
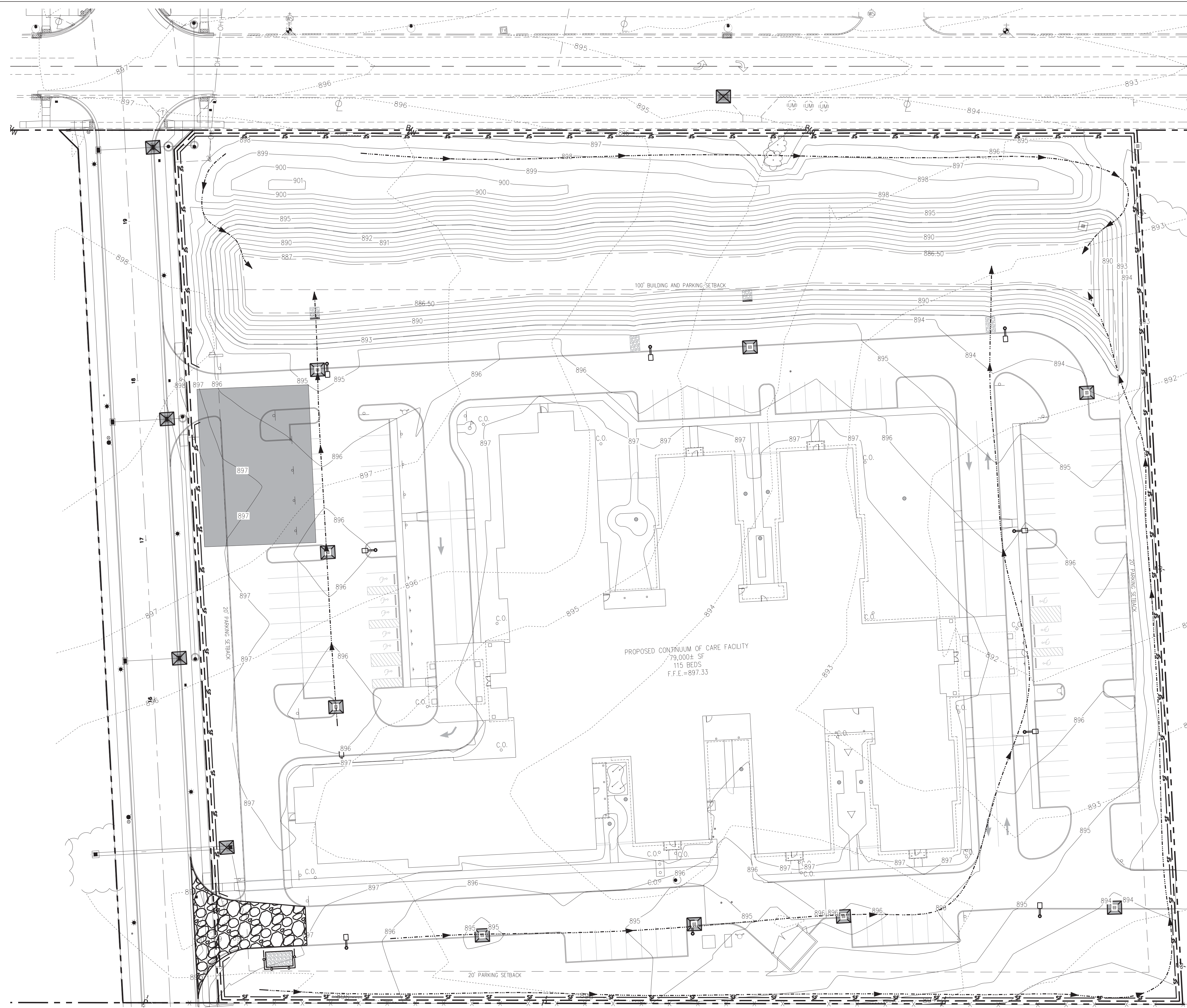
- PROPOSED GRADING LEGEND**
- 99 PROP. INTERMEDIATE CONTOUR
 - 100 PROP. INDEX CONTOUR
 - 99 EXISTING INTERMEDIATE CONTOURS
 - 100 EXISTING INDEX CONTOURS
 - PROPOSED SLOPE INDICATOR
 - RIDGE, VALLEY, OR GRADE BREAK AS INDICATED
 - 0.00% PAVT/SWALE SLOPE PERCENT
 - RUNOFF FLOW DIRECTION
 - PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - TC TOP OF CURB
 - BC BOTTOM OF CURB
 - HP HIGH POINT
 - LP LOW POINT
 - EX. MEET EXISTING PAVEMENT GRADE
 - WK WALK
 - PA PAVEMENT
 - RIM STRUCTURE RIM
 - CC CURB CUT
 - FF FINISH FLOOR
 - SWALE CENTERLINE
 - GRADING CODED NOTE

NOTE:
ELEVATIONS AT LIBRARY WAY ARE AS PROVIDED BY THE CITY OF HILLIARD. CONSTRUCTION OF LIBRARY WAY IS ANTICIPATED TO OCCUR AT THE SAME TIME AS SITE CONSTRUCTION. CONTRACTOR TO COORDINATE WORK WITH LIBRARY WAY CONTRACTORS.

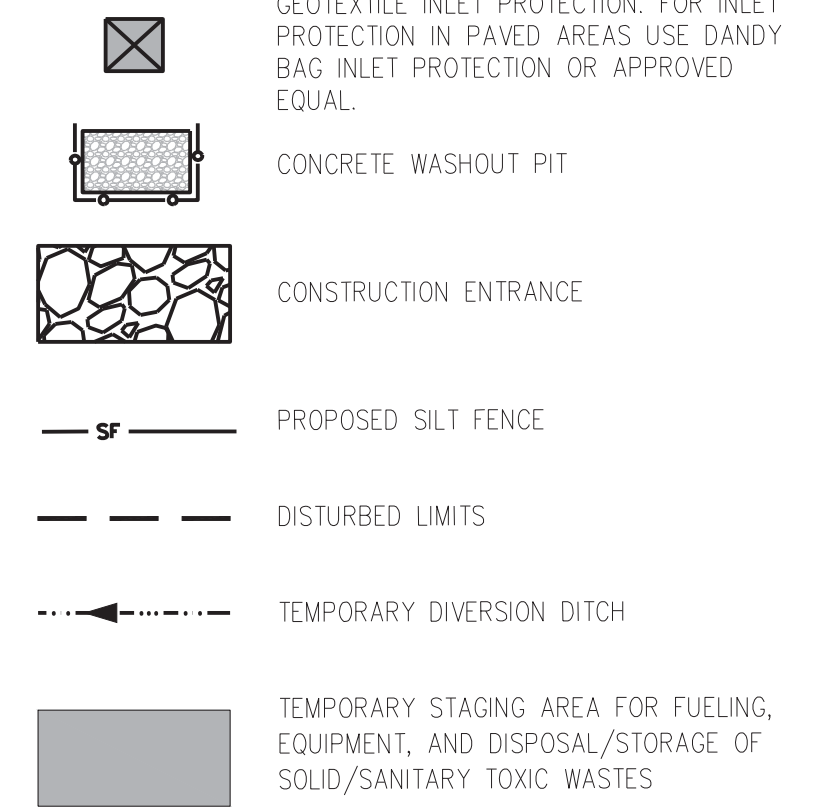
DETENTION BASIN RELEASE RATES AND STORAGE VOLUMES						
DESIGN STORM (YR)	PRE-DEV Q (CFS)	POST-DEV Q (CFS)	ALLOWABLE RELEASE (CFS)	ACTUAL RELEASE (CFS)	STORAGE REQUIRED (CF)	STORAGE PROVIDED (CF)
1 YR	7.331	28.700	7.331	2.947	38,087	160,314
2 YR	12.370	40.370	7.331	4.788	53,425	160,314
5 YR	19.240	55.040	7.331	6.396	75,016	160,314
10 YR	24.990	66.680	7.331	7.328	93,182	160,314
25 YR*	34.180	84.530	34.180	16.430	114,857	160,314
50 YR	42.670	100.310	42.670	18.870	135,602	160,314
100 YR	51.830	116.970	51.830	20.230	158,767	160,314

PRELIMINARY
NOT FOR CONSTRUCTION

DESCRIPTION	PLANNING COMMISSION APPLICATION	REVISED PLANNING COMMISSION APPLICATION
BY	MTB	MTB
DATE	09/06/2017	09/27/2017
NO.		
2025 MEGANTILE ROAD BEACHWOOD, OH 43022	PROJECT DATE: SEPT 2017	PROJECT NO.: T1730015
TEL: 216.378.1400		DRAWN BY: JKZ
FAX: 216.378.1497		CHECKED BY: MTB
TECHNICAL SKILL CREATIVE SPIRIT.  www.MannikSmithGroup.com		
PREPARED FOR: TRILGY HEALTH SERVICES, LLC 303 N HURSTBOURNE PKWY, SUITE 200 LOUISVILLE, KY 40222		
PROPOSED CONTINUUM OF CARE FACILITY DAVIDSON RD AND BRITTON PKWY HILLIARD, OH 43026		
GRADING PLAN		
13		23




SWPPP ELEMENTS LEGEND



GENERAL NOTES:

1. EROSION CONTROL BLANKET IS TO BE ADDED TO ANY SLOPE THAT IS 3:1 OR GREATER.

PRELIMINARY
NOT FOR CONSTRUCTION

14	SWPPP	PROPOSED CONTINUUM OF CARE FACILITY	DAVIDSON RD AND BRITTON PKWY HILLIARD, OH 43026	PREPARED FOR: TRILOGY HEALTH SERVICES, LLC 303 N HURSTBOURNE PKWY, SUITE 200 LOUISVILLE, KY 40222	 TECHNICAL SKILL, ORIENTED SPIRIT. www.MannikSmithGroup.com	PROJECT DATE: SEPT 2017	NO.	DATE	BY	DESCRIPTION
						PROJECT NO.: 11730015		09-27-2017	MTB	PLANNING COMMISSION APPLICATION REVISED PLANNING COMMISSION APPLICATION
23						DRAWN BY: JZK		09-27-2017	MTB	
						CHECKED BY: MTB				

SITE DATA:

A COPY OF THE SWP3, THE NPDES PERMIT, AND THE OHIO EPA NOI MUST BE KEPT ON SITE AND CLEARLY DISPLAYED AT ALL TIMES.

THE OWNER'S REPRESENTATIVE WILL INSPECT ALL EROSION AND SEDIMENTATION CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT TO ASSURE THAT THE MEASURES ARE FUNCTIONING PROPERLY. THE OWNER/CONTRACTOR SHALL KEEP INSPECTION REPORTS, COPIES OF WHICH SHALL BE PROVIDED TO THE CITY OF HILLIARD OR OHIO EPA UPON REQUEST.

THE OWNER/DEVELOPER MUST MAINTAIN A DOCUMENT SIGNED BY ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE SWP3 IMPLEMENTATION. THE DOCUMENT MUST CERTIFY THAT THE CONTRACTOR(S) HAS READ AND UNDERSTANDS THE SWP3. THE OWNER/DEVELOPER IS TO PROVIDE THE CITY OF HILLIARD WITH A COPY OF THIS DOCUMENT.

BOTH TEMPORARY AND PERMANENT ROADS AND PARKING AREAS MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDED AREAS ADJACENT TO THE ROADS AND PARKING AREAS SHOULD BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED. ROADSIDE DITCHES AND OTHER DRAINAGE STRUCTURES SHOULD BE CHECKED REGULARLY TO ENSURE THAT THEY DO NOT BECOME CLOGGED WITH SILT OR OTHER DEBRIS.

FILTER FABRIC FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SEDIMENT THAT IS COLLECTED WILL BE DISTRIBUTED ON THE PROTECTED PORTION OF THE SITE AND STABILIZED. ALL STOCKPILES OF EARTH AND TOPSOIL WILL BE PROTECTED WITH TEMPORARY SEEDING OR OTHER MEANS TO PREVENT EROSION.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER 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.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF (1/2) THE HEIGHT OF THE BARRIER.

ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS (INLET PROTECTION), WHICH WILL BE MAINTAINED AND MODIFIED AS REQUIRED AS CONSTRUCTION PROGRESSES.

THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAINFALL AND REPAIRS MADE AS NEEDED.

SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF (1/2) THE DESIGN OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.

ANY SEDIMENT BLOCKING DRAINAGE AT INLETS THAT CREATES STANDING WATER ON ROADWAYS AND/OR DRIVEWAYS SHALL BE REMOVED IMMEDIATELY.

INLET PROTECTION STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

ALL STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING FOR ALL SITES.

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED ACCORDING TO THE FOLLOWING OHIO EPA CRITERIA:

TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA. FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOTS.
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL STORM SEWER, SANITARY SEWER, WATER MAIN AND SERVICE TRENCHES SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL IF INSTALLATION IS THROUGH STABILIZED AREAS. NO MORE THAN 250 FEET OF TRENCH WILL BE OPEN AT ANY ONE TIME.

ELECTRICAL POWER, TELEPHONE, CABLE TELEVISION AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL IF INSTALLATION IS THROUGH STABILIZED AREA

ALL TEMPORARY DIVERSIONS, SEDIMENT BASIN EMBANKMENTS AND EARTH STOCKPILES SHALL BE SEED
AND MULCHED FOR TEMPORARY VEGETATIVE COVER WITHIN 7 DAYS AFTER GRADING.

ANY DISTURBED AREA NOT STABILIZED WITH SEEDING, SODDING, PAVING, OR BUILT UPON BY NOVEMBER 1ST, OR AREAS DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HYDRO MULCH AT THE RATE OF ONE (1) TON PER ACRE AND OVER-SEED BY APRIL 15TH.

ALL DENOTED AREAS SHALL BE STABILIZED AND TEMPORARY SEDIMENTATION & EROSION CONTROLS SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED AT THE COMPLETION OF CONSTRUCTION.

1. THE STORM WATER POLLUTION PREVENTION PLAN AND DETAILS SHALL BE AVAILABLE FOR INSPECTION ON SITE DURING WORKING HOURS.

18. INSTALL SILT FENCE COMBINATION BARRIERS AT LOCATIONS SO INDICATED ON THE STORMWATER POLLUTION PREVENTION PLAN (SEE DETAIL).
19. SILT FENCE TO BE PLACED ALONG ALL YARD DRAINS TO MINIMIZE SILTING OF PIPE AND TRANSPORT OF SILT (SEE DETAIL).
20. INSTALL GRAVEL AND WIRE SEDIMENT FILTERS ON ALL ROAD INLETS (SEE DROP INLET PROTECTION DETAIL).
21. INSTALL TEMPORARY AGGREGATE PAD AT POINT OF INGRESS AND EGRESS FROM PROJECT TO PREVENT VEHICULAR TRACKING OFF-SITE (SEE DETAIL). THE PAD SHALL BE CLEANED AND REPLENISHED, AS NECESSARY, DURING THE CONSTRUCTION PERIOD.
22. IF TRENCH OR GROUND WATER CONTAINS SEDIMENT, IT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE PRIOR TO BEING DISCHARGED FROM THE CONSTRUCTION SITE. ALTERNATIVELY, SEDIMENT MAY BE REMOVED BY SETTLING IN PLACE OR BY DEWATERING INTO A SUMP PIT, FILTER BAG, OR COMPARABLE PRACTICE.
23. TOPSOIL STOCKPILES SHALL RECEIVE TEMPORARY SEEDING AND MULCHING AS SOON AS STOCKPILING OPERATIONS ARE COMPLETED OR A SILT FENCE SHALL BE INSTALLED ALONG AND 20 FEET FROM THE TOE OF THE STOCKPILE. TOPSOIL SHALL BE REPLACED AS QUICKLY AS CONSTRUCTION PERMITS.
24. ADDITIONAL EROSION CONTROLS MAY BE MANDATED BY THOSE AGENCIES HAVING JURISDICTION.
25. ROUTINE INSPECTION WILL BE CONDUCTED ON ALL EROSION CONTROL PRACTICES FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ALL DEFICIENCIES REVEALED BY THE INSPECTIONS.
26. ALL EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO EPA GENERAL CONSTRUCTION PERMIT REQUIREMENTS.
27. THIS SITE IS COVERED UNDER OHIO EPA GENERAL PERMIT OH0000004 FOR STORM WATER POLLUTION ASSOCIATED WITH CONSTRUCTION.

28. LOCATION OF THE FUELING AND STAGING AREA IS SHOWN ON THE SWPPP. MODIFICATIONS TO THE LOCATION OF THE EQUIPMENT FUELING AREA SHALL BE SHOWN ON AN AMENDED SWPPP. THE

28. LOCATION OF THE FUELING AND STAGING AREA IS SHOWN ON THE SWPPP. MODIFICATIONS TO THE LOCATION OF THE EQUIPMENT FUELING AREA SHALL BE SHOWN ON AN AMENDED SWPPP. THE FUELING AREA SHALL BE ESTABLISHED EITHER ON EXISTING PAVEMENT OR ON 12" OF GRANULAR AGGREGATE BASE. IF AN AGGREGATE BASE COURSE IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE STONE SUCH THAT IT IS REPLISHED WHEN THE DEPTH IS LESS THAN 6" OR REMOVED AND REPLACED IF THE STONE BECOMES LAIDEN WITH MUD.
29. A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN MUST BE DEVELOPED FOR SITES WITH ONE ABOVE GROUND STORAGE TANK (AST) OF 660 GALLONS OR MORE, TOTAL ABOVE GROUND TANK STORAGE OF 1330 GALLONS, OR BELOW GROUND STORAGE OF 42,000 GALLONS OF FUEL.

30. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A MINIMUM OF ONE SOLID WASTE DISPOSAL RECEPTACLE AND HAVE THIS RECEPTACLE EMPTIED BY A CONTRACT TRASH DISPOSAL SERVICE AND MAINTAINED AWAY FROM THE SITE AT ALL TIMES BY THE CONTRACTOR'S OWNERS AND/OR EMPLOYEES.

30. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A MINIMUM OF ONE SOLID WASTE DISPOSAL RECEPTACLE AND HAVE THIS RECEPTACLE EMPTIED BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE AS NECESSARY. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN THESE RECEPTACLES. THE LOCATION IS TO BE DETERMINED IN THE FIELD. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF.

31. SHOULD AN ACCIDENTAL SPILL OCCUR, IMMEDIATE ACTION WILL BE UNDERTAKEN BY THE GENERAL CONTRACTOR TO CONTAIN AND REMOVE THE SPILLED MATERIAL IMMEDIATELY AND BE DISPOSED OF

31. SHOULD AN ACCIDENTAL SPILL OCCUR, IMMEDIATE ACTION WILL BE UNDERTAKEN BY THE GENERAL CONTRACTOR TO CONTAIN AND REMOVE THE SPILLED MATERIAL IMMEDIATELY AND BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS, AS SOON AS POSSIBLE, ALL SPILLS >25 GALLONS SHALL BE REPORTED TO THE APPROPRIATE STATE AND LOCAL AGENCIES. THIS SHALL INCLUDE THE OHIO EPA AT 800-282-9378, THE LOCAL FIRE DEPARTMENT, THE NATIONAL RESPONSE CENTER AT 800-424-8802, US COAST GUARD 440-288-1206 (IF APPLICABLE).
32. ALL CONTAMINATED SOILS MUST BE TREATED AND/OR GUARDED IN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITIES OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES (TSDFs).

33. THE CONTRACTOR IS RESPONSIBLE FOR ALL NON-SEDIMENT POLLUTION CONTROLS AT THIS SITE, WHICH PROHIBIT NON-SEDIMENT POLLUTANTS FROM DISCHARGING INTO RUNOFF OR INTO THE ADJACENT WATERSHEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

33. THE CONTRACTOR IS RESPONSIBLE FOR ALL NON-SEDIMENT POLLUTION CONTROLS AT THIS SITE, WHICH PROHIBIT NON-SEDIMENT POLLUTANTS FROM DISCHARGING INTO RUNOFF OR INTO THE GROUND AND MUST DISPOSE OF THEM IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATORY AUTHORITIES. IT IS PROHIBITED TO BURN, BURY, OR POUR OUT ONTO THE GROUND, DITCH OR INTO A STORM SEWER - SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT, CURING COMPOUND AND OTHER SUCH TOXIC OR HAZARDOUS WASTE. STORAGE TANKS SHALL BE LOCATED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS AND THE DIKED AREA SHOULD HOLD A VOLUME OF 110% OF THE LARGEST TROUGH OR TANK. SHOULD THE CONTRACTOR FAIL TO PREVENT NON-SEDIMENT POLLUTION AT THIS SITE, HE MUST IMMEDIATELY REMEDIATE THE SITE TO LOCAL, STATE AND FEDERAL REGULATORY AUTHORITIES APPROVAL AT HIS OWN EXPENSE.
34. OPEN BURNING SHOULD BE DONE IN ACCORDANCE WITH (OAC 3745-19). IF OPEN BURNING IS PERMITTED IT SHOULD BE DONE IN RESTRICTED AREAS FOR BARBEQUES, HEATING, AND CERTAIN OCCUPATIONAL PURPOSES. OPEN BURNING IN AN UNRESTRICTED AREA IS LIMITED TO SCRAP LUMBER, WOODEN FENCE POSTS, AGRICULTURAL, LAND-CLEARING, OR LANDSCAPE WASTES.
35. CONTRACTOR MAY NOT USE OIL AS A DUST SUPPRESSANT.

36. THE CONTRACTOR IS RESPONSIBLE TO PREVENT DISCHARGE OF WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS FROM MIXING WITH RUN-OFF AND LEAVING THE SITE. THE

36. THE CONTRACTOR IS RESPONSIBLE TO PREVENT DISCHARGE OF WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS FROM MIXING WITH RUN-OFF AND LEAVING THE SITE. THE CONTRACTOR SHALL SIZE THE CONCRETE WASHOUT PIT TO HANDLE HIS PROPOSED CONCRETE OPERATIONS AND SHALL MAINTAIN THE PIT SUCH THAT ALL CONCRETE TRUCKS CAN USE IT TO WASHOUT. ALL CURED RESIDUE FROM THE PIT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. A GENERAL LOCATION FOR THE WASHOUT PIT IS SHOWN ON THE PLAN AND MAY BE MOVED TO BETTER FIT THE CONTRACTOR'S METHODS.
37. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&D) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&D LANDFILL AS REQUIRED BY OHIO REVISED CODE(ORC)3714. MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS (SEE OHIO ADMINISTRATIVE CODE (OAC) 3745-20).

38. THE STORM WATER POLLUTION PREVENTION PLAN AND DETAILS SHALL BE AVAILABLE FOR INSPECTION ON SITE DURING WORKING HOURS.

38. THE STORM WATER POLLUTION PREVENTION PLAN AND DETAILS SHALL BE AVAILABLE FOR INSPECTION ON SITE DURING WORKING HOURS.
39. THE OWNER OF RECORD MUST PROVIDE REGULAR INSPECTION AND MAINTENANCE FOR ALL EROSION SEDIMENT CONTROL PRACTICES. OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS AND MAY BE REQUIRED AT THE DISCRETION OF THE CITY AND/OR COUNTY SOIL AND WATER CONSERVATION DISTRICT OR ITS REPRESENTATIVES.

- ## CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALITY PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PERSON OF RESPONSIBLE CHARGE AS DEFINED IN PART V.G.1 OF THE OHIO EPA PERMIT NO. OHC000004	DATE
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NO.	DATE	BY	DESCRIPTION
	09-06-2017	MTB	PLANNING COMMISSION APPLICATION
	09-27-2017	MTB	REVISED PLANNING COMMISSION APPLICATION
<p>PROJECT DATE: SEPT 2017</p> <p>PROJECT NO: T1730015</p> <p>DRAWN BY: JKZ</p> <p>CHECKED BY:</p>			
<p>23205 MERCANTILE ROAD BREA, CALIF. 92612 TEL: 714.378.1400 FAX: 714.378.1497</p>			



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SERVICES, LLC

PROPOSED CONTINUUM
OF CARE FACILITY
DAVIDSON RD AND BRITTON PKWY
HILLIARD, OH 43026

SWPPP NOTES AND
DETAILS

PRELIMINARY
NOT FOR CONSTRUCTION

1. SEDIMENT BASIN WITH SURFACE WATER SKIMMER CALCULATIONS:
 - 1.1. A SURFACE WATER SKIMMER AND TEMPORARY RISER PIPE WILL SERVE AS THE TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION. SEE STORM WATER MANAGEMENT CALCULATIONS FOR STAGE-STORAGE CURVE.
 - 1.2. SEDIMENT STORAGE ZONE VOLUME CALCULATIONS:
 - 1.2.1. VOLUME REQUIRED: $XXXX \text{ AC} * 1,000 \text{ FT}^3/\text{AC} = XXXX \text{ FT}^3$
 - 1.2.2. VOLUME PROVIDED: $XXXX \text{ FT}^3$
 - 1.2.3. PEAK ELEVATION: $XXXX0$
 - 1.1. DEWATERING ZONE VOLUME CALCULATIONS:
 - 1.1.1. VOLUME REQUIRED: $XXXX \text{ AC} * 1,800 \text{ FT}^3/\text{AC} = XXXX \text{ FT}^3$
 - 1.1.2. VOLUME PROVIDED: $XXXX \text{ FT}^3$
 - 1.1.3. PEAK ELEVATION: $XXXX$
 - 1.1.4. DEWATERING ORIFICE:
 - 1.1.4.1. DIAMETER USED DURING CONSTRUCTION $D = XXX"$
(SEE SKIMMER CALCULATIONS FOR MORE DETAIL)

WETLAND EXTENDED DETENTION WATER QUALITY POND WAS SELECTED AS THE POST-CONSTRUCTION WATER QUALITY BMP. THE PROPOSED DETENTION BASIN WILL SERVE AS BOTH THE POST-CONSTRUCTION WATER QUALITY BMP AND A DETENTION BASIN TO ATTENUATE PEAK SITE STORM WATER DISCHARGE RATES.

2. WATER QUALITY VOLUME CALCULATION

SITE AREA: AC
C =
WQV = C X P X A /12
C = RUNOFF COEFFICIENT
P = 0.75-INCH PRECIPITATION DEPTH
A = AREA DRAINING INTO THE BMP

WQV = AC-FT. = FT3

REQUIRED EXTENDED DETENTION VOLUME = 20% * WQV= FT3
REQUIRED MICROPOOL VOLUME = 10% * WQV = FT3
PROVIDED MICROPOOL VOLUME = FT3
REQUIRED FOREBAY VOLUME = 10% * WQV = FT3
PROVIDED FOREBAY VOLUME = FT 3

3. OUTLET CONTROL STRUCTURE:

3.1. THE DISCHARGE OF THE WATER QUALITY VOLUME WILL BE MANAGED BY A -INCH DIAMETER ORIFICE.

3.2. WQV PONDING ELEV. =

3.3. 50% OF WQV PONDING ELEV. =

3.4. WQV = FT3

3.5. 50% WQV = FT3

3.6. WQV ORIFICE ELEV. =

3.7. TWO-THIRDS ELEVATION WAS USED FOR AVERAGE HEAD ON ORIFICE FOR ORIFICE CALCULATIONS

3.8. FIRST 50% OF WQV:

3.8.1. Q = CFS

3.8.2. FT3 / CFS = HOURS > 16 HOURS THEREFORE O.K.

3.9. SECOND 50% OF WQV:

3.9.1. Q = CFS

3.9.2. FT3 / CFS = HRS

3.10. TOTAL DRAW DOWN TIME = HRS + HRS = HRS; > 48 HRS. THEREFORE O.K.

3. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE, AND INLET PROTECTION AT EXISTING CATCH BASINS ALONG LIBRARY WAY AND DAVIDSON RD. .
2. CLEAR AND GRUB SITE AS PER PLAN.
3. INSTALL STORM SEWERS . INSTALL OUTLET CONTROL ITEMS .
4. EXCAVATE PROPOSED DETENTION BASIN AS PER PLAN.
5. PROVIDE TEMPORARY DIVERSION DITCHES TO DETENTION BASIN TO PREVENT RUNOFF FROM EXISTING PROJECT SITE.
6. DO NOT PERFORM ANY ADDITIONAL SOIL DISTURBING ACTIVITIES UNTIL ALL OF THE ABOVE ACTIVITIES HAVE BEEN COMPLETED.
7. INSTALL CONCRETE WASHOUT AREA PRIOR TO TAKING DELIVERY OF ANY CONCRETE.
8. INSTALL REMAINDER OF STORM SEWER SYSTEM.
9. INSTALL INLET PROTECTION ON CATCH BASINS AS THEY ARE INSTALLED.
10. GRADE SITE TO ACHIEVE PROPOSED GRADES.
11. COMPLETE SITE CONSTRUCTION.
12. PERFORM THE FOLLOWING UPON ESTABLISHMENT OF SITE VEGETATION:
 - 12.1. EXCAVATE ALL ACCUMULATED SEDIMENT FROM DETENTION BASIN.
 - 12.2. REMOVE SILT FENCE, CONCRETE WASHOUT AREA, AND INLET PROTECTION.
 - 12.3. CLEAN AND JET STORM SEWER SYSTEM.

PROJECT NUMBER:

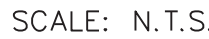
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PROJECT NUMBER:

[illegible]

SEE LANDSCAPING PLAN, NOTES, AND DETAILS FOR PERMANENT SEEDING

<u>SEEDING DATES</u>	<u>SPECIES</u>	<u>LB./1000 FT2</u>	<u>LB./ACRE</u>
MARCH 1 TO AUGUST 15	OATS	3	128 (4
	TALL FESCUE	1	BUSHEL)
	ANNUAL RYEGRASS	1	40
			40
	PERENNIAL RYEGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	55
	PERENNIAL RYEGRASS	3.25	142
CREEPING RED FESCUE	0.4	17	
KENTUCKY BLUEGRASS	0.4	17	
AUGUST 16 TO NOVEMBER	OATS	3	128 (3
	TALL FESCUE	1	BUSHEL)
	ANNUAL RYEGRASS	1	40
			40
	RYE	3	112 (2
	TALL FESCUE	1	BUSHEL)
	ANNUAL RYEGRASS	1	40
			40
	WHEAT	3	120 (2
	TALL FESCUE	1	BUSHEL)
ANNUAL RYEGRASS	1	40	
		40	
PERENNIAL RYE	1	40	
TALL FESCUE	1	40	
ANNUAL RYEGRASS	1	40	
ANNUAL RYEGRASS	1.25	40	
PERENNIAL RYEGRASS	3.25	40	
CREEPING RED FESCUE	0.4	40	
KENTUCKY BLUEGRASS	0.4	40	
NOVEMBER 1 TO FEB. 29	USE MULCH OR DORMANT SEEDING		

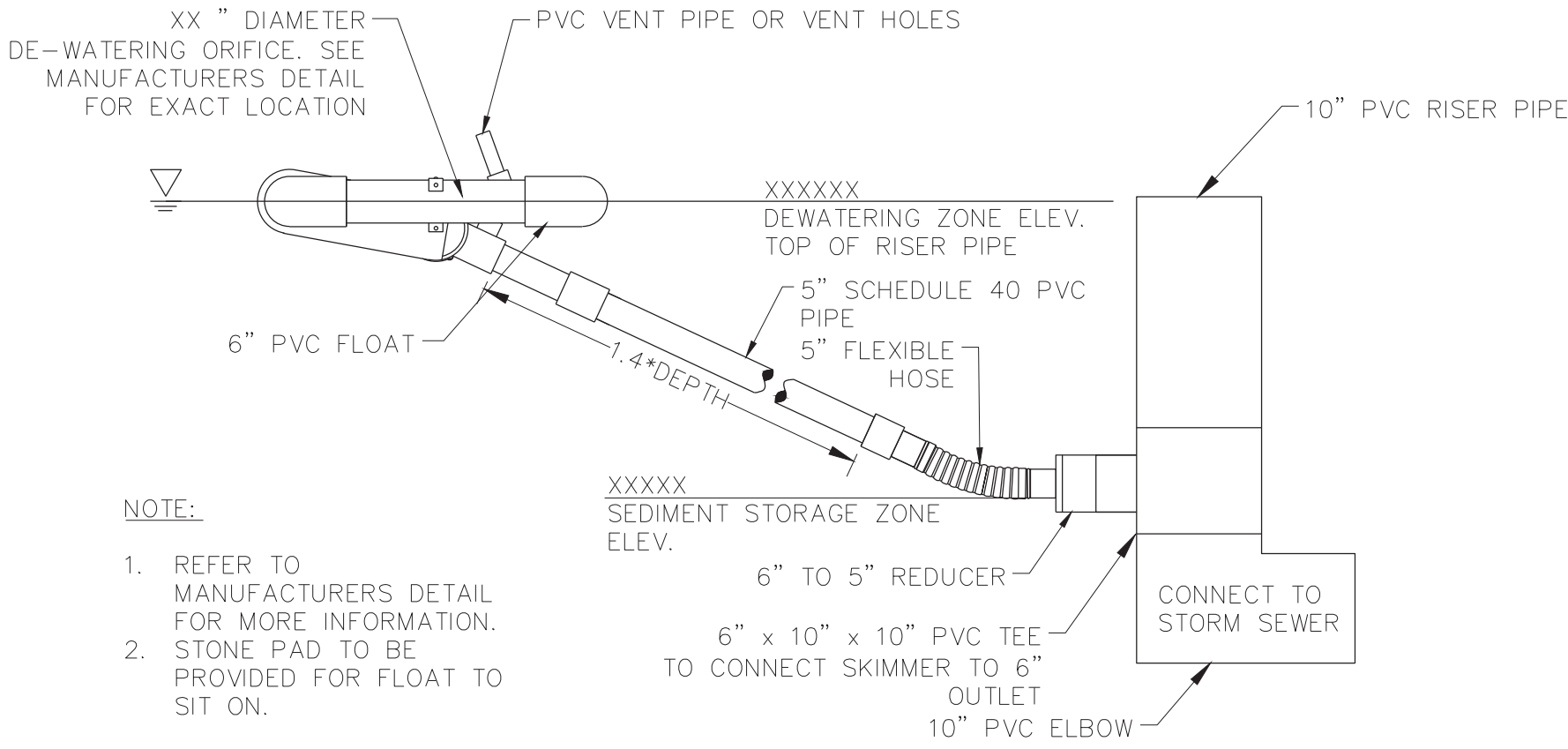


4. FILTER SOCKS ARE INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.

9. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED ON SUCH AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

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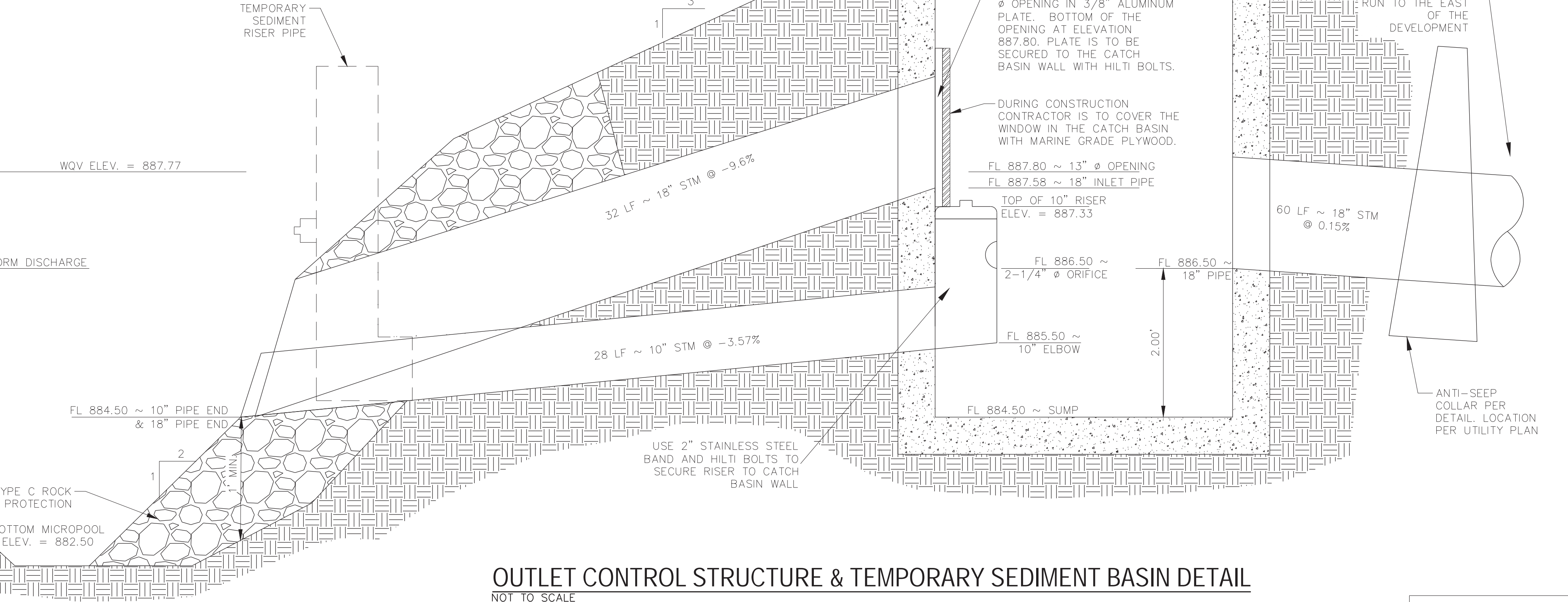
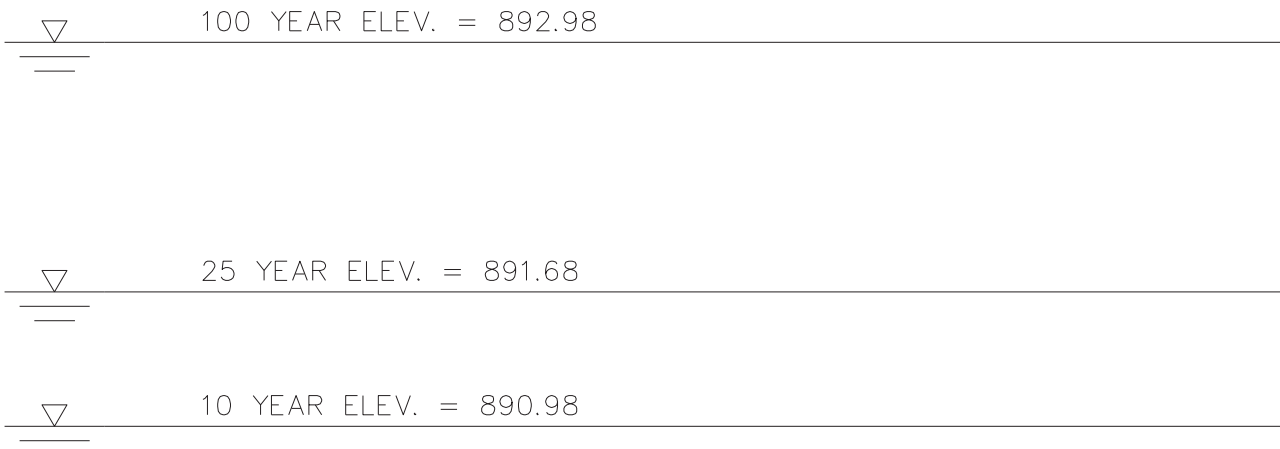
PRELIMINARY
NOT FOR CONSTRUCTION



2.5" FAIRCLOTH SKIMMER & RISER PIPE DETAIL
NOT TO SCALE

NOTES:

1. CONTRACTOR'S SITE SURVEYOR TO SET A STAKE WITHIN THE LIMITS OF THE SEDIMENT BASIN WITH A MARK CLEARLY VISIBLE INDICATING THE ELEVATION OF THE TOP OF THE SEDIMENT STORAGE ZONE. CONTRACTOR IS TO FREQUENTLY CHECK THE STAKE AND WHEN SEDIMENT REACHES THE MARK INDICATED, SEDIMENT BASIN SHALL BE CLEANED OUT. FREQUENCY OF INSPECTIONS AND CLEANOUT PROCEDURE PER OHIO ENVIRONMENTAL PROTECTION AGENCY RAINWATER AND LAND DEVELOPMENT MANUAL (LATEST EDITION) AND THE OEPA PERMIT OHC 000004.
2. THIS SEDIMENT STORAGE INDICATION STAKE MAY BE REMOVED AT THE END OF SITE CONSTRUCTION ACTIVITIES.
3. ALL PIPE CONNECTIONS ARE TO BE WATER TIGHT.
4. TEMPORARY RISER PIPE AND THE SKIMMER ARE TO BE INSTALLED AFTER BASIN IS GRADED AND OUTLET STRUCTURES ARE INSTALLED AND ARE TO REMAIN THROUGHOUT CONSTRUCTION. SKIMMER SHALL HAVE A ROCK PAD TO SIT ON WHEN BASIN IS EMPTY. SWPPP MEASURES MAY BE REMOVED UPON ESTABLISHMENT OF SITE VEGETATION.



OUTLET CONTROL STRUCTURE & TEMPORARY SEDIMENT BASIN DETAIL
NOT TO SCALE

DETENTION AND POST-CONSTRUCTION WATER QUALITY BMP BASIN MAINTENANCE SCHEDULE	
SCHEDULE	ACTIVITY
MONTHLY	CLEAN TRASH AND DEBRIS FROM OUTLET STRUCTURE
BI-MONTHLY	MOW BASIN EMBANKMENT
ANNUALLY	INSPECT EMBANKMENT AND OUTLET CONTROL STRUCTURE FOR DAMAGE AND PROPER FLOW. REMOVE WOODY VEGETATION AND FIX ANY ERODING AREAS. MONITOR SEDIMENT ACCUMULATION IN FOREBAY AND MICROPOL. REMOVE SEDIMENT FROM FOREBAY AND MICROPOL WHEN STORAGE VOLUME HAS BEEN REDUCED BY 50%.
15-20 YEARS	MONITOR SEDIMENT ACCUMULATION IN MAIN BASIN POOL. REMOVE SEDIMENT WHEN POOL VOLUME HAS BEEN REDUCED NOTICEABLY.

PRELIMINARY
NOT FOR CONSTRUCTION

DESCRIPTION	RAINING COMMISSION APPLICATION	REVISED PLANNING COMMISSION APPLICATION
BY	MTB	MTB
DATE	08/27/2017	09/27/2017
NO.		
2025 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216.378.1490 FAX: 216.378.1497	PROJECT DATE: SEPT 2017 PROJECT NO.: T1730015 DRAWN BY: JZK CHECKED BY: MTB	
TECHNICAL SKILL CREATIVE SPIRIT.		
Mannik Smith GROUP www.MannikSmithGroup.com		
PREPARED FOR: TRILOGY HEALTH SERVICES, LLC 303 N HURSTBOURNE PKWY, SUITE 200 LOUISVILLE, KY 40222		
PROPOSED CONTINUUM OF CARE FACILITY DAVIDSON RD AND BRITTON PKWY HILLIARD, OH 43026		
SWPPP NOTES AND DETAILS		
19	23	

- THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS AND VEGETATION PROPOSED WITHIN THE LANDSCAPING PLAN. ANY TREES, SHRUBS, GROUND COVER OR OTHER VEGETATION PLANTED AS PART OF THIS PROJECT THAT DO NOT SURVIVE ONE YEAR FROM PLANTING SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES 3 WORKING DAYS IN ADVANCE OF ANY DIGGING. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF ANY UTILITIES.
- REFER TO THE LANDSCAPE SCHEMATIC PLAN FOR ADDITIONAL NOTES. LANDSCAPE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION OF ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND CITY OF HILLIARD ORDINANCES.
- ALL PLANTING MATERIALS: SHALL BE PLANTED PER ODOT CMS ITEM 661. EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE BROKEN, LOW HANGING AND OTHER UNDESIRABLE GROWTH TO ENSURE HEALTHY AND SYMMETRICAL NEW GROWTH. REFER TO ODOT DRAWING LA-1.1 FOR TREE PRUNING DETAILS AND ODOT ITEM 666 FOR PRUNING SPECIFICATIONS.
- 661.10 PLANTING BEDS. ONE MONTH BEFORE CULTIVATION AND AFTER DAYTIME TEMPERATURES HAVE WARMED TO 60° CONSISTENTLY, TREAT ALL PLANTING BEDS THAT ARE TO BE DEVELOPED IN AREAS OF EXISTING TURF WITH PRE-EMERGENT AND POST-EMERGENT TYPE HERBICIDES. USE A STATE-LICENSED PESTICIDE APPLICATOR TO APPLY THE HERBICIDE. REPEAT HERBICIDE APPLICATION TWO WEEKS LATER AND UNTIL ALL HERBACEOUS MATERIALS HAVE BEEN KILLED. BEFORE PLANTING, TOP DRESS ALL PLANTING BEDS WITH A MINIMUM OF 12 INCHES OF BACKFILL MIX, THEN CULTIVATE PLANTING AREA TO A DEPTH OF 6 INCHES USING A PLOW, DISC, OR ROTO-TILLER.
- 661.11 BACKFILL MIX. FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:
 - A. ONE PART TOPSOIL.
 - B. ONE PART EPA RATED CLASS IV COMPOST.
 - C. A SLOW RELEASE COMMERCIAL FERTILIZER (0-20-20 OR EQUAL) ADDED AT A RATE OF 5 POUNDS PER CUBIC YARD (3 KG/M3) TO THE BACKFILL MIX.
 - D. IF SOIL AREAS ARE OF HIGH PH (GREATER THAN 6.5), APPLY 1.25 POUNDS OF ELEMENTAL SULFUR PER CUBIC YARD OF BACKFILL MIX.NOTE: CONTRACTOR SHALL SUPPLY A DETAILED SOIL ANALYSIS PRIOR TO ALL PLANT BED PREPARATION. ANALYSIS SHALL INDICATE SOIL PH, TEXTURE, MAJOR NUTRIENTS, SALTS, ETC. SOIL ANALYSIS SHALL BE FROM A REPUTABLE, INDEPENDENT LAB. SOIL AMENDMENTS SHALL BE INCORPORATED INTO BACKFILL/ PLANT MIX AS RECOMMENDED BY THE INDEPENDENT LAB.
- 661.13 MULCH. SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASK SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH THESE AREAS WITH A 3-INCH (100 MM) LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE & SIZE. USE SHREDDED HARDWOOD BARK ADDED MIN. ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS, MULCH TO A DEPTH OF 3 INCHES. AFTER MULCHING AND BEFORE WATERING, ADD A SLOW RELEASE COMMERCIAL FERTILIZER (12-12-12 OR EQUAL), IN GRANULAR FORM, TO THE TOP OF THE MULCH AT A RATE OF 5 POUNDS PER 100 SQUARE FEET. DO NOT ALLOW FERTILIZER TO CONTACT THE STEMS, BRANCHES, ROOTS OR LEAVES.
- 661.17 PERIOD OF ESTABLISHMENT. BEFORE FINAL INSPECTION, PLACE ALL PLANTS AND CARE FOR THEM FOR A PERIOD OF ESTABLISHMENT. THE PERIOD OF ESTABLISHMENT BEGINS IMMEDIATELY UPON COMPLETION OF THE PLANTING OPERATIONS AND CONTINUES UNTIL OCTOBER 1. THE MINIMUM PERIOD OF ESTABLISHMENT IS ONE GROWING SEASON, JUNE 1 THROUGH OCTOBER 1. DURING THE PERIOD OF ESTABLISHMENT, FOLLOW STANDARD HORTICULTURAL PRACTICES TO ENSURE THE VIGOR AND GROWTH OF THE TRANSPLANTED MATERIAL. WATER, REMULCH, RESTAKE, GUY, AND CULTIVATE AS NECESSARY. PERFORM AT LEAST TWO WEEDING AND MOWING PROGRAMS (AROUND TREES, GUY STAKES, SHRUBS, AND BED EDGES) OF SUCH INTENSITY AS TO COMPLETELY RID THE PLANTED AND MULCHED AREAS OF WEEDS AND GRASSES. BEGIN THE FIRST PROGRAM ON OR ABOUT JUNE 15 AND THE SECOND APPROXIMATELY 8 WEEKS LATER. ON OR ABOUT AUGUST 15, THE ENGINEER WILL INSPECT THE PLANTING AND SUPPLY THE CONTRACTOR WITH A LIST OF MISSING AND DEAD PLANTS AND THOSE THAT HAVE DIED BACK BEYOND NORMAL PRUNING LINES. REPLANT AS REQUIRED ACCORDING TO THE SPECIFICATIONS OF THE ORIGINAL MATERIAL. REPLACEMENT PLANTS ARE SUBJECT TO A NEW PERIOD OF ESTABLISHMENT. IMMEDIATELY REPLACE PLANTS PLANTED INITIALLY IN THE FALL THAT HAVE DIED BEFORE THE SPRING PLANTING SEASON. CARE FOR THE REPLACEMENT PLANTS DURING THE NEW ESTABLISHMENT PERIOD.
- RESTORATION OF DISTURBED AREAS:
 - ALL LANDSCAPE AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE PREPARED FOR GRASS SEED. LOOSEN RUTS AND WORK THE SOIL AREAS TO A MINIMUM OF 12" DEEP PRIOR TO FINE GRADING AND SEEDING WORK. AREAS TO RECEIVE GRASS SEED SHALL HAVE A MIN. 4" TOPSOIL PLACED, SEEDED AND A STRAW/MULCH BLANKET COVER PLACED OVER THE SEEDED AREAS PER ODOT SPECIFICATIONS.
- LANDSCAPE TREES, SHRUBS AND PERENNIAL WATERING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, DELIVERING, APPLYING, MEASURING AND SCHEDULING A SUFFICIENT AMOUNT OF WATER NECESSARY TO KEEP EACH PLANT IN A HEALTHY GROWING CONDITION THROUGHOUT THE PERIOD OF ESTABLISHMENT. THE CONTRACTOR SHALL APPLY 1" OF WATER PER WEEK TO ALL NEW PLANTS. THE CONTRACTOR SHALL INSTALL & MAINTAIN SUPPLEMENTAL DRIP WATERING TREE BAGS (SUCH AS 20 GALLON TREE GATOR WATER BAG) TO PROVIDE ADEQUATE, SLOW RELEASE OF WATER. WATER BAGS SHALL BE REMOVED AT THE END OF THE SECOND GROWING SEASON.
- TOPSOILING SHALL CONFORM TO ITEM 651 (TOPSOIL STOCKPILED), ITEM 652 (PLACING STOCKPILED TOPSOIL), ITEM 653 (TOPSOIL FURNISHED AND PLACED) AND 654 (RENOVATING EXISTING SOIL) TOPSOIL PLACEMENT MAY BE PLACED WITH HYDROSEEDING, REFER TO ITEM 659.11 FOR ADDITIONAL SPECIFICATIONS.
- TURF GROUND COVER (SODDING, SEEDING AND SEED MULCHING):

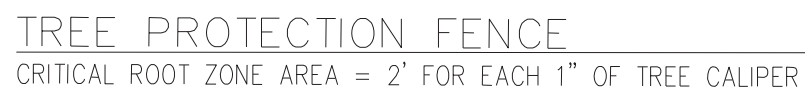
ALL SEEDING INSTALLATION SHALL CONFORM TO ODOT ITEM 653 (TOPSOIL FURNISHED AND PLACED) AND ITEM 659 (SEEDING AND MULCHING). SEED AT 6 LBS/1000 SF WITH THE FOLLOWING SEED MIXTURE:

TITAN TALL-TYPE TURF FESCUE	70%
SR 4100 PERENNIAL RYEGRASS	20%
MERIT KENTUCKY BLUEGRASS	10%
- REFER TO ITEM 659.12 FOR SEEDING METHODS AND DATES FOR BROADCAST AND HYDRO SEEDING METHODS. REFER TO ITEM 660 FOR SODDING MATERIALS, PREPARATION AND PLACEMENT.

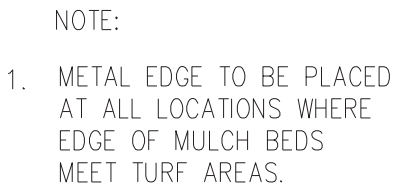


NO SCALE

VEHICLE USE AREA	102,683 S.F.	
BUILDING COVERAGE	59,300 S.F.	
TOTAL	161,983 S.F.	
DAVIDSON RD FRONTAGE	592 L.F.	
LIBRARY WAY FRONTAGE	362 L.F.	
SOUTHERN PROPERTY LINE	549 L.F.	
EASTERN PROPERTY LINE	370 L.F.	
ZONING CODE SECTION	REQUIRED	PROVIDED
B2.04c – TREES ALONG DAVIDSON	48	48 PROPOSED 2 EXISTING
B2.04h – INTERIOR LANDSCAPED AREA	5,135 S.F.	10,329 S.F.
B2.04i – MIN. TREES	33	27 EVERGREENS 88 DECIDUOUS
B2.04i – MIN. TOTAL DBH	39 DBH	211 DBH
12.05 (b) PERIMETER TREES @ 2 TREES PER 100 FT		
LIBRARY WAY	8 LARGE OR MEDIUM TREES	8 (L,M)
SOUTHERN PROPERTY	11 SMALL	11 (L,M,S)
EASTERN PROPERTY	8 SMALL	8 (L,M,S)
12.05 (b) PERIMETER SHRUBS @ 30 SHRUBS PER 100 FT		
LIBRARY WAY	109 SHRUBS	110
SOUTHERN PROPERTY	165 SHRUBS	171
EASTERN PROPERTY	111 SHRUBS	114
12.05 (c) INTERIOR LANDSCAPING		
SINGLE ROW PARKING	1 MEDIUM OR LARGE TREE 4 SHRUBS OR GRASSES	1 MEDIUM OR LARGE TREE 4 SHRUBS OR GRASSES
DOUBLE ROW PARKING	2 MEDIUM OR LARGE TREE 8 SHRUBS OR GRASSES	2 MEDIUM OR LARGE TREE 8 SHRUBS OR GRASSES
EXISTING TREES TO BE REMOVED		38 TREES 418 DBH
EXISTING TREES TO REMAIN		2 TREES 12 DBH



1. TREE PROTECTION MEASURES SHALL BE INSTALLED PER THIS PLAN SHEET AT THE CRITICAL ROOT ZONE OF TREES TO BE PRESERVED PRIOR TO THE START OF ANY CLEARING, GRADING OR OTHER CONSTRUCTION ACTIVITY.
2. NO STORAGE OF ANY KIND IS PERMITTED WITHIN THE TREE PROTECTION ZONE. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH TOPSOIL WITHIN THE SAME DAY.
3. ALL VEGETATION THAT IS NOT DESIGNATED ON THE PLANS TO BE REMOVED SHALL BE PROTECTED FROM DAMAGE. TREES THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

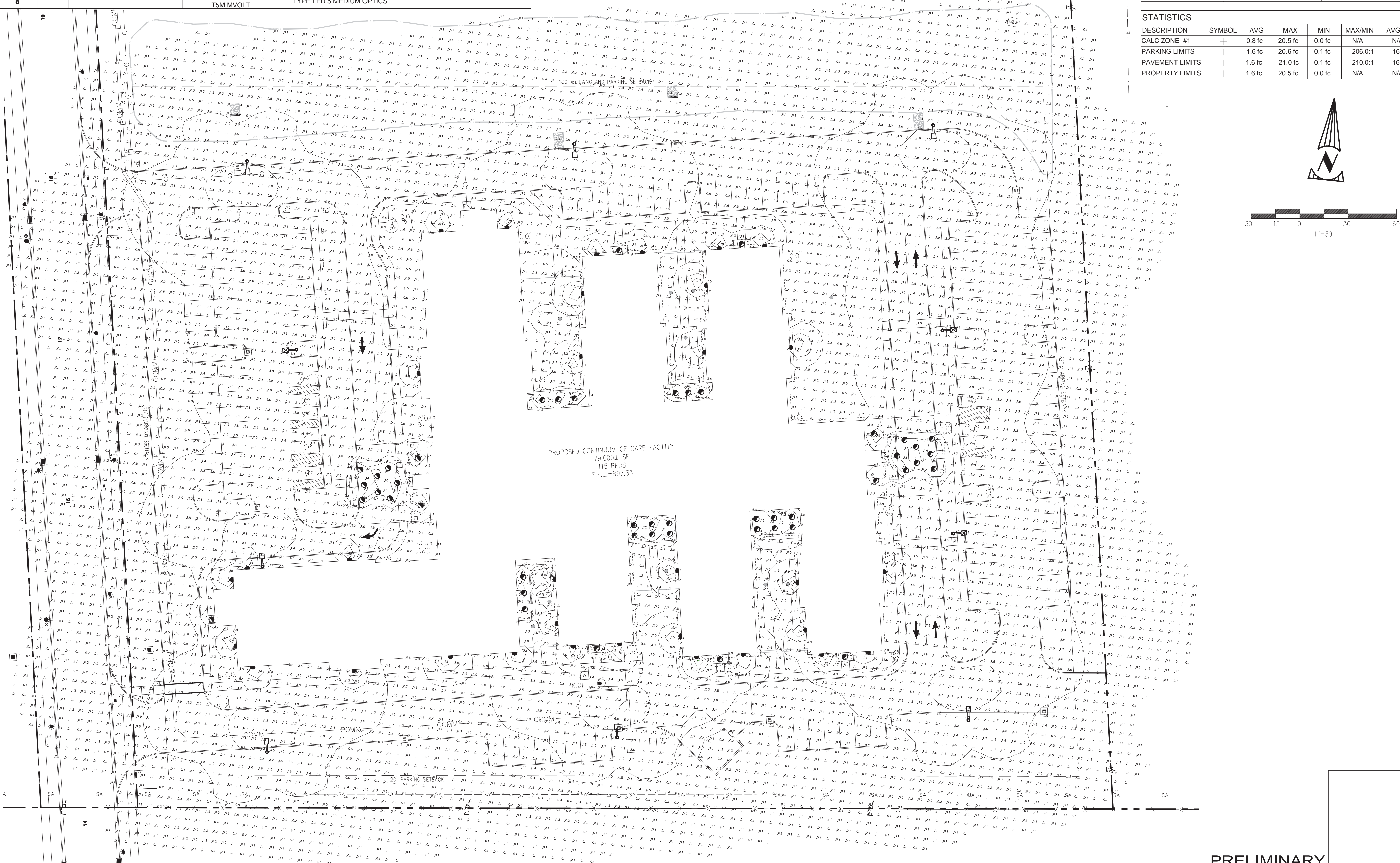
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LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	WATTAGE
	A	33	RAB LIGHTING, INC.	SLIM26N	CAST FINNED METAL HOUSING, 1 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST METAL LENS FRAME	29.5
	B	47	LITHONIA LIGHTING	REAL6C D6MW ESL 1500L 35K .95SC	6' REALITY LED RECESSED DOWNLIGHT, 1500 LUMENS .95 SPACING 3500K CCT	18.8
	C	7	LITHONIA LIGHTING	DSX2 LED 100C 1000 40K T3M MVOLT	DSX2 LED WITH 100 LEDS @ 1000MA, 4000K, TYPE LED 3 MEDIUM OPTICS	360.0
	D	3	LITHONIA LIGHTING	DSX2 LED 100C 1000 40K T5M MVOLT	DSX2 LED WITH 100 LEDS @ 1000MA, 4000K, TYPE LED 5 MEDIUM OPTICS	360.0

POLE FIXTURE SCHEDULE						
	CATALOG NUMBER	HEIGHT (FT)	POLE SHAFT SIZE (IN X FT)	WALL THICKNESS (IN)	EPA	FINISH
LITHONIA LIGHTING SINGLE FIXTURE	RSA 30 6G	25'	6 X 30	0.188	2.40	DDB DARK BRONZE

MAST ARM FIXTURE SCHEDULE				
	SERIES	PIPE SIZE	ARM LENGTH	FINISH
ALUMINUM ELLIPTICAL TUBE ARM	AMACE	T20 2-3/8" O.D. (2" NPS)	6'	DDB DARK BRONZE

STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
CALC ZONE #1	+	0.8 fc	20.5 fc	0.0 fc	N/A	N/A
PARKING LIMITS	+	1.6 fc	20.6 fc	0.1 fc	206.0:1	16.0:1
PAVEMENT LIMITS	+	1.6 fc	21.0 fc	0.1 fc	210.0:1	16.0:1
PROPERTY LIMITS	+	1.6 fc	20.5 fc	0.0 fc	N/A	N/A



DESCRIPTION
PLANNING COMMISSION APPLICATION
REVISED PLANNING COMMISSION APPLICATION

BY
MTB
MTB

DATE
09/06/2017
09/27/2017

NO

2025 MEGANTLE ROAD
BEACHWOOD, OH 44022
TEL: 216.378.1490
FAX: 216.378.1497

PROJECT DATE: SEPT 2017
PROJECT NO.: TT170005
DRAWN BY: JKZ
CHECKED BY: MTB

TECHNICAL SKILL
CREATIVE SPIRIT.

Mannik
Smith
GROUP
www.MannikSmithGroup.com

PREPARED FOR:
TRILGY HEALTH
SERVICES, LLC

PROPOSED CONTINUUM
OF CARE FACILITY

DAVIDSON RD AND BRITTON PKWY
HILLIARD, OH 43026

PHOTOMETRIC PLAN
(1 OF 2)

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PRELIMINARY
NOT FOR CONSTRUCTION

