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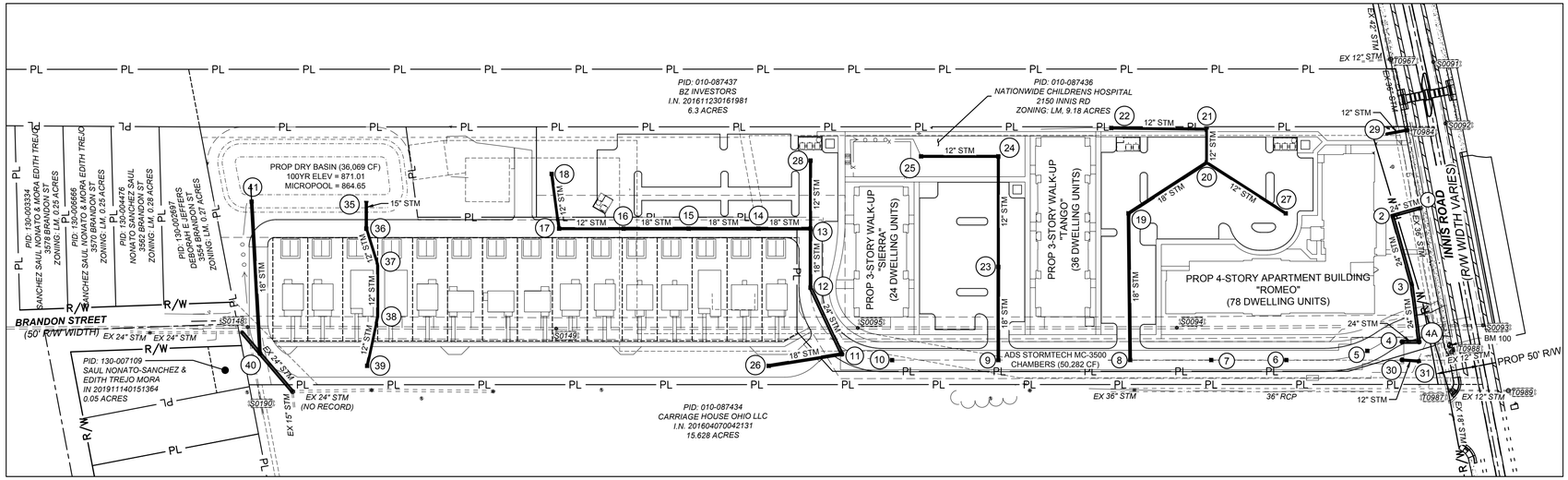

VICINITY MAP
1' = NTS

OWNER/DEVELOPER
NATIONWIDE CHILDREN'S HOSPITAL
255 E MAIN STREET
COLUMBUS, OHIO 43215
CONTACT: JORDAN HENDERSON
PHONE: (614) 722-6253
EMAIL: JORDAN.HENDERSON@NATIONWIDECHILDRENS.ORG

ARCHITECT
THE COLUMBUS DESIGN COMPANY
3303 E 11TH AVE
COLUMBUS, OH 43219
CONTACT: KARRICK SHERRILL
PHONE: (614) 269-5019
EMAIL: KARRICK@THE COLUMBUSDESIGNCOMPANY.COM

ENGINEER
AMERICAN STRUCTUREPOINT
2550 CORPORATE EXCHANGE DRIVE, SUITE 300
COLUMBUS, OHIO 43231
CONTACT: MATTHEW J. LILIE
PHONE: (614) 901-2235
EMAIL: MLILIE@STRUCTUREPOINT.COM

INDEX MAP
1" = 80'

RELATED PLANS
FINAL SITE COMPLIANCE PLAN - XXXXX-XXXXX
PRIVATE WATER SERVICE PLAN - WSP-XXXX

BASIS OF BEARINGS
BEARINGS SHOWN HEREON ARE MEASURED FROM GRID NORTH, REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), AS ESTABLISHED UTILIZING A GPS SURVEY AND AN NGS OPUS SOLUTION

HORIZONTAL CONTROL
COORDINATES ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), AS ESTABLISHED UTILIZING A GPS SURVEY AND AN NGS OPUS SOLUTION. A PROJECT ADJUSTMENT FACTOR OF 1.0000353509 WAS APPLIED ABOUT C.P. 1500 TO OBTAIN GROUND COORDINATES.

C.P.	DESCRIPTION	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION
1500	5/8 INCH REBAR W/CAP STAMPED "ASI CONTROL POINT" SET 9.2 FEET FROM THE EDGE OF PAVEMENT, 123.7 FEET EAST FROM A POWERPOLE, 147.4 FEET SOUTHWEST FROM A POWERPOLE	742802.751	1840404.621	872.37
1501	MAG NAIL SET 4.2 FEET FROM THE SOUTH EDGE OF PAVEMENT, 11.4 FEET NORTHWEST FROM A POWERPOLE, 119.3 FEET SOUTHWEST OF A POWERPOLE	742781.668	1840542.613	870.96
1502	MAG NAIL SET 6.8 FEET FROM THE SOUTH EDGE OF PAVEMENT, 43.4 FEET NORTHEAST FROM A POWERPOLE, 43.7 FEET NORTHEAST OF A FENCE CORNER	742838.139	1840330.780	872.28
1503	5/8 INCH REBAR W/CAP STAMPED "ASI CONTROL POINT" SET 13.0 FEET NORTH FROM A FIRE HYDRANT, 14.6 FEET SOUTHEAST OF A FEET FROM A SIGN, 85.4 FEET SOUTHWEST FROM ANOTHER SIGN	742372.979	1840210.248	871.35
1504	5/8 INCH REBAR W/CAP STAMPED "ASI CONTROL POINT" SET 5.7 FEET NORTH FROM A CONCRETE CURB, 3.5 FEET EAST OF A STORM MANHOLE, 38.8 FEET SOUTH FROM A POWERPOLE	742346.921	1840462.502	875.02
1505	5/8 INCH REBAR W/CAP STAMPED "ASI CONTROL POINT" SET 23.5 FEET EAST FROM A FENCELINE, 90.1 FEET NORTHWEST OF A CORNER STEEL COLUMN, 110.0 FEET NORTHWEST FROM THE NEXT STEEL COUMN SOUTH	743299.202	1840437.939	872.87
1506	5/8 INCH REBAR W/CAP STAMPED "ASI CONTROL POINT" SET 34.7 FEET WEST FROM A FENCELINE, 35.6 FEET SOUTHEAST OF A CORNER STEEL COLUMN, 36.5 FEET SOUTHEAST FROM THE NEXT STEEL COUMN SOUTH	743163.165	1840634.480	872.76

VERTICAL CONTROL
ELEVATIONS ON CONTROL POINTS AND TEMPORARY BENCHMARKS FROM A DIFFERENTIAL LEVEL CIRCUIT FROM FRANKLIN COUNTY ENGINEER BENCHMARK "PRC 26-57" AT NAVD 88 ELEVATION 870.00 FEET

B.M.	DESCRIPTION	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION
TBM 100	CHISELED "X" ON ARROW BOLT OF A FIRE HYDRANT	N/A	N/A	873.52
TBM 101	"X" ON THE EAST SIDE OF A SANITARY MANHOLE	N/A	N/A	872.96

SCP DETENTION/ ORIFICE STRUCTURE NOTE
STRUCTURES #4 AND #35 CONTAINS A STORMWATER CONTROL PRACTICE (SCP) AND ARE INTEGRAL PARTS OF THE STORM SEWER SYSTEM DEPICTED IN THESE DRAWINGS. RESPONSIBILITY AND ASSURANCE OF PERIODIC MAINTENANCE AND THE CONTINUING FUNCTIONALITY OF THIS STORMWATER DETENTION DEVICES IS PERPETUAL; BEGINNING WITH THE OWNER AT THE TIME OF INSTALLATION AND CONTINUING TO ALL FUTURE OWNERS OF SAID STORM SEWER SYSTEM. REFER TO THE STORMWATER CONTROL PRACTICE MAINTENANCE PLAN (SCPMP) FOR MORE DETAILS.

STORMWATER CONTROL PRACTICE (SCP) AS-BUILTS AND CERTIFICATION ARE REQUIRED FOR THE CONSTRUCTED SCPs ON THIS PLAN SET AS PART OF THE SURETY REQUIREMENTS FOUND WITHIN THE STORMWATER DRAINAGE MANUAL (SWDM) SECTION 4. PLEASE REFER TO SECTION 4 OF THE SWDM FOR THE FULL LIST OF REQUIREMENTS. PLEASE NOTE THAT IF THERE ARE STONE LAYERS USED AS PART OF THE STORAGE SYSTEM THAT THOSE LAYERS MUST BE SURVEYED DURING THE INSTALLATION BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED SURVEYOR.

SUMMARY OF POST-CONSTRUCTION STORMWATER CONTROL FACILITIES

CONTROL/ OUTLET STRUCTURE No.	PLAN VIEW & DETAIL PAGE NUMBERS FOR BMP	CONTROL FUNCTION	DRAINAGE AREA TO CONTROL FACILITY (ACRES)	FACILITY TYPE	GREEN INFRASTRUCTURE (SQ FT)
4	20	QUALITY/ QUANTITY	8.18	UNDERGROUND BASIN	N/A
35	20	QUANTITY	1.91	DRY BASIN	N/A

NOTE: STORMWATER CONTROL PRACTICE (SCP) AS-BUILTS AND CERTIFICATION ARE REQUIRED FOR THE CONSTRUCTED SCPs ON THIS PLAN SET AS PART OF THE SURETY REQUIREMENTS FOUND WITHIN THE STORMWATER DRAINAGE MANUAL (SWDM) SECTION 4. PLEASE REFER TO SECTION 4 OF THE SWDM FOR THE FULL LIST OF REQUIREMENTS. PLEASE NOTE THAT IF THERE ARE STONE LAYERS USED AS PART OF THE STORAGE SYSTEM THAT THOSE LAYERS MUST BE SURVEYED DURING THE INSTALLATION BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED SURVEYOR.

100 YEAR DETENTION SUMMARY

LOCATION	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	100-YEAR ELEV (NAVD88)	ELEVATION PROVIDED
UNDERGROUND BASIN	50,085	50,282	869.05	868.08
DRY BASIN	17,035	20,385	871.01	871.30

SITE DATA TABLE

NOI	-
TOTAL DISTURBED AREA	9.34 ACRES
SITE DISTURBED AREA	9.17 ACRES
PRE-DEVELOPED SITE IMPERVIOUS AREA	2.77 ACRES
POST-DEVELOPED SITE IMPERVIOUS AREA	5.19 ACRES
R/W DISTURBED AREA	1.17 ACRES*
TOTAL DISTURBED IMPERVIOUS AREA	2.77 ACRES
FEMA MAP & ZONE	ZONE X; 39049C0187K (EFF. 06/17/2008)

* R/W DISTURBANCE ASSOCIATED WITH THIS PROJECT IS ACCOUNTED FOR AND ADDRESSED WITHIN THIS CC STORM PLAN. SEE THE STORMWATER MANAGEMENT REPORT ASSOCIATED WITH THIS CC STORM PLAN FOR MORE DETAILS

SANITARY NOTE
CONNECTION TO SANITARY SEWER CANNOT BE MADE UNTIL PERMIT IS OBTAINED FROM SEWER PERMIT OFFICE AT 111 NORTH FRONT STREET.

STANDARD DRAWINGS
THE STANDARD CONSTRUCTION DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF.

CITY OF COLUMBUS

1441	AA-S102	AA-S151
1500	AA-S112	AA-S161
1510	AA-S119	AA-S169
2000	AA-S133A	
2002	AA-S133B	
2179	AA-S139	
2202	AA-S141	
2230	AA-S149	
2319	AA-S150	

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PM-179/236

EASEMENT REFERENCE

CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS

NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.
STATE OF OHIO — MATTHEW J. LILIE E-86125 — REGISTERED PROFESSIONAL ENGINEER
MATTHEW J. LILIE — E-86125 — 08/03/2026 DATE

APPROVALS:
SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.
APPROVAL FOR STORM SEWER ONLY

CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION — DATE
ADMINISTRATOR, DIVISION OF POWER — DATE
ADMINISTRATOR, DIVISION OF WATER RECLAMATION — DATE
ADMINISTRATOR, DIVISION OF WATER — DATE

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY
OWNER
CONTRACTOR
INSPECTOR
AGREEMENT | COMPLETED
RPD | CKD | CID | CON.DR.
INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION
DIVISION USE ONLY

SCALE: 1" = 80'
SHEET 1 / 25
CONTRACT DRAWING NO. CC-_____
RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 12:11 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\0329\2D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 TS.DWG

GENERAL NOTES:

SW1 THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), INCLUDING ALL REVISIONS, SUPPLEMENTS AND STANDARD DRAWINGS, SHALL BE THE LATEST VERSION PUBLISHED AT THE TIME OF SIGNATURE BY THE ADMINISTRATOR OF THE DIVISION OF WATER RECLAMATION AND SHALL GOVERN ALL ITEMS THAT ARE A PART OF THIS PLAN UNLESS NOTED OR DATED OTHERWISE.

SW2 THE CONTRACTOR SHALL NOTIFY THE FOLLOWING DIVISIONS AT LEAST 24-HOURS IN ADVANCE OF ANTICIPATED START OF CONSTRUCTION:
THE CONTRACTOR SHALL REQUEST INSPECTION BY EMAILING THE FOLLOWING INFORMATION TO PRIVATEDEVELOPMENT@COLUMBUS.GOV BY 2PM THE WORKING DAY PRIOR TO YOUR NEEDED INSPECTION:

CONTACT NAME AND NUMBER
CID AGREEMENT OR CC #, AGR OR DRAWER E #, EP#
PROJECT NAME
DATE THE INSPECTION IS NEEDED

DIVISION OF WATER RECLAMATION (614) 645-7102

SW3 THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48-HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48-HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.

SW4 CONSTRUCTION OF THIS PROJECT MAY NOT BEGIN UNTIL THE EASEMENTS INDICATED HAVE BEEN RECORDED BY THE CITY.

SW5 THE DEVELOPER/OWNER SHALL, PRIOR TO ANY CONSTRUCTION OPERATION, DEPOSIT WITH THE CITY THE TOTAL ESTIMATED COSTS FOR INSPECTION AND WHERE REQUIRED A REPAVING GUARANTEE.

SW6 ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE.

SW7 ALL PLASTIC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT VERSION.

SW8 ALL CONCRETE PIPE, STORM AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

SW9 EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEET NO. 4 OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE REGULATION FOR CONTROL OF STORMWATER POLLUTION FROM LAND DISTURBANCE. ALL LAND- DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

SW10 IT IS THE RESPONSIBILITY OF THE SITE OWNER TO NOTIFY THE CITY OF COLUMBUS TWO WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER AND REGULATORY MANAGEMENT SECTION AT (614) 645- 6311. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE REGULATION FOR CONTROL OF STORMWATER POLLUTION FROM LAND DISTURBANCE. FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION.

SW12 THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:

1.PROPER PLACEMENT OF EACH STRUCTURE.
2.PROPER INSTALLATION OF INITIAL RUNS OF PIPE FROM A STRUCTURE.
3.GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN.
4.GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION.

GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVE THE CONTRACTOR OF THE ULTIMATE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.

SW14 THE PONDING OR DETENTION AREAS SHOWN ON THE PLANS ARE A PART OF THE STORM SEWER FACILITIES. THE DEVELOPER/OWNER WILL ASSUME THE RESPONSIBILITY TO MAINTAIN THE PONDING OR DETENTION AREAS SO AS NOT TO REDUCE THE WATER STORAGE AREAS. IF THE OWNER DOES NOT MAINTAIN THE PONDING AND DETENTION AREAS, THE PLAN WILL BECOME VOID AND THE CITY WILL PLUG THE SEWER AT THE OUTLET.

AS A CONDITION OF FINAL ACCEPTANCE, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PROVIDING AS- BUILT SURVEYS TO VERIFY THE FINAL GRADES AND ELEVATIONS OF STORMWATER CONTROL FACILITIES. AT THE COMPLETION OF CONSTRUCTION, THE OWNER/DEVELOPER SHALL FIELD SURVEY THE STORMWATER DETENTION FACILITY TO VERIFY THAT THE FACILITIES ARE CONSTRUCTED ACCORDING TO APPROVED PLANS. SHOULD A DISCREPANCY BETWEEN THE PLANS AND CONSTRUCTED GRADES EXIST, THE DESIGN STORAGE OF THE DETENTION FACILITY SHALL BE RESTORED BY THE OWNER/DEVELOPER AS DIRECTED BY THE CITY OF COLUMBUS.

SW15 IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNEL PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ETC.

DIVISON OF POWER:

THE DIVISION OF POWER (DOP) MAY HAVE OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OHIO 811 (PREVIOUSLY OUPS) AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.

ANY PROJECT, BOTH PUBLIC OR PRIVATE, WITH IMPACTS REQUIRING RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT.

UNLESS PREVIOUSLY AUTHORIZED, DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT.

NO PERSON SHALL WORK ON DOP FACILITIES UNLESS THEY HAVE COMPLETED CONTRACTOR SAFETY ORIENTATION WITH DOP. ANY PERSON WORKING ON DOP FACILITIES ON LIVE CONDUCTORS OR CONDUCTORS THAT MAY BECOME LIVE SHALL COMPLY WITH DOP'S CONDUCTOR SAFETY POLICY (TDMIS-1603), HOLD CARD SYSTEM (TDMIS-1604) AND STREET LIGHT LOCK OUT TAG OUT PROCEDURE (MIS-1). PRIOR TO BEGINNING WORK ON DOP FACILITIES, EACH PERSON SHALL CONTACT DOP'S DISPATCH OFFICE AT 614-645-7627 AND PROVIDE THEIR NAME, PHONE NUMBER, LOCATION, DESCRIPTION OF WORK AND CIRCUIT NUMBER. AT COMPLETION OF WORK, EACH PERSON SHALL NOTIFY DOP'S DISPATCH OFFICE.

THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC). ANY NEW OR RE-INSTALLED STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL. CONTRACTORS WORKING ON STREET LIGHTING SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP AND ON THE CITY WEBSITE.

EMERGENCIES: IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

PERMITS:

THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT, WITH RED SIGNATURES, SHALL BE KEPT ONSITE AT ALL TIMES.

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE - PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY.
PHONE: (614) 645-7497
FAX: (614) 645-1876
EMAIL: COLSPERMITS@COLUMBUS.GOV

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362-2764. A 48-NOTICE SHALL BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO OUPS.

CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT 1820 E 17TH AVE COLUMBUS, OH 43219 OFFICE: (614) 645-7393	CITY OF COLUMBUS DIVISION OF SUPPORT SERVICES - COMMUNICATIONS 4211 GROVES RD COLUMBUS, OH 43232	OFFICE: (614) 724-7047 CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY 1355 MCKINLEY AVE BUILDING C COLUMBUS, OH 43222 CONTRACTOR LINE: (614) 645-7756

PUBLIC TREE IMPACT NOTE:

ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE IS CONSIDERED AN IMPACT TO THE PUBLIC TREE. A PUBLIC TREE PLAN AND PERMIT FROM COLUMBUS RECREATION & PARKS FORESTRY IS REQUIRED FOR ANY PLAN WITH PUBLIC TREES IN THE WORK LIMITS. THE PUBLIC TREE PLAN SHALL DENOTE ALL PUBLIC TREES IN THE PROJECT'S WORK LIMITS. TREE INFORMATION SHALL CONFORM TO THE COLUMBUS TREE TECHNICAL MANUAL REQUIREMENTS AND BE PROVIDED BY A NATURAL RESOURCE PROFESSIONAL. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING FORESTRY FOR THE COST OF ANY AND ALL DAMAGE TO PUBLIC TREES.

PUBLIC TREE PROTECTION NOTE:

ALL PUBLIC TREES AND THE GROUND IN THE CRITICAL ROOT ZONE, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PROTECTED UNLESS A PERMIT TO REMOVE IS GIVEN BY COLUMBUS RECREATION & PARKS (CRPD) FORESTRY. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD FORESTRY AT FORESTRY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT, OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED, OR PARKED WITHIN THE CRITICAL ROOT ZONE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE CRPD TREE TECHNICAL MANUAL. IF THERE IS A QUESTION REGARDING TREE PROTECTION NEEDS, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY SECTION AT FORESTRY@COLUMBUS.GOV.

PUBLIC TREE REMOVAL AND MITIGATION NOTE:

NO PUBLIC TREE REMOVAL SHALL BE ATTEMPTED BY CONSTRUCTION PERSONNEL OR EQUIPMENT, ONLY UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL GROUND TO 18 INCHES; IF THE REMOVED TREE IS WITHIN 36" OF A PROTECTED TREE THE STUMP SHALL ONLY BE GROUND TO 2" DEPTH. ALL WOOD DEBRIS ON CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR BY THE END OF EACH WORK DAY. TREES APPROVED FOR REMOVAL BY CRPD FORESTRY SHALL BE MITIGATED IN ACCORDANCE WITH THE COLUMBUS TREE TECHNICAL MANUAL AND COLUMBUS CITY CODES CHAPTER 912.

FORESTRY PERMIT NOTE:

ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE REQUIRES A FORESTRY PERMIT. ALL APPLICABLE FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE. REFER TO THE CRPD TREE TECHNICAL MANUAL FOR TREE REMOVAL, PRUNING, PROTECTION, AND MITIGATION STANDARDS.

OAK WILT NOTE

TO PREVENT THE SPREAD OF OAK WILT, A FUNGAL DISEASE, OAK TREES SHALL ONLY BE PRUNED FROM NOVEMBER 1 TO MARCH 1.

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS NOTE:

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

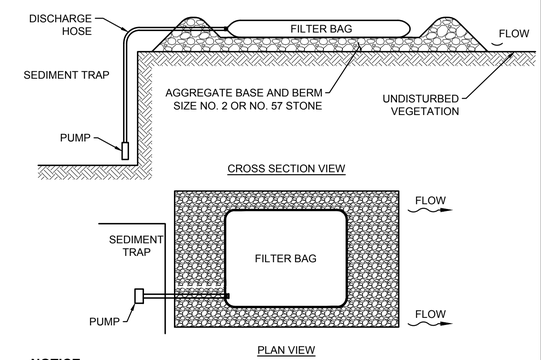
NOTE TO SPECIFICATION WRITERS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE LAST PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS; SO DIRECTING THE READER TO SUCH PLAN.

ESTIMATE OF QUANTITIES

THESE QUANTITIES HAVE BEEN PROVIDED ONLY AS AN ESTIMATE TO THE SCOPE OF THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO EVALUATE THE COMPLETE PROJECT AS DETAILED IN THE NOTES, PLANS, AND SPECIFICATIONS AND PROCEDURES NECESSARY FOR THE COMPLETION OF THE PLAN IMPROVEMENTS AND SUBMIT HIS TOTAL PROJECT COST ACCORDINGLY.

ITEM	QUANTITY	UNIT	DESCRIPTION
201	1	LS	CLEARING AND GRUBBING
207	3,034	CY	SEDIMENT BASIN
207	1,185	LF	PERIMETER FILTER FABRIC
207	30	EA	INLET PROTECTION (DANDY BAG / SILT FENCE)
207	34	CY	STABILIZED CONSTRUCTION ENTRANCE
207	1	EA	DESIGNATED CONCRETE WASHOUT AREA
602	1	EA	12" HW (AA-S168)
602	1	EA	15" HW (AA-S168)
604	4	EA	TYPE 48" MANHOLE (AA-S102) W/ SOLID LID (AA-S112)
604	1	EA	MODIFIED COC MANHOLE (AA-S102) 72" W/ FRAME AND GRATE (AA-S111)
604	30	EA	3'X3' CATCH BASIN (AA-S133B) W/ HEAVY DUTY GRATE (AA-S141)
604	1	EA	MODIFIED 4'X4' CATCH BASIN (AA-S133B) W/ HEAVY DUTY GRATE (AA-S141)
901	5	LF	6" STORM SEWER PIPE, TYPE 1 BEDDING
901	920	LF	12" STORM SEWER PIPE, TYPE 1 BEDDING
901	30	LF	15" STORM SEWER PIPE, TYPE 1 BEDDING
901	747	LF	18" STORM SEWER PIPE, TYPE 1 BEDDING
901	284	LF	24" STORM SEWER PIPE, TYPE 1 BEDDING
SPEC	1	LS	STORMTECH MC-3500 UNDERGROUND DETENTION (244 CHAMBERS, 38 END CAPS)
SPEC	2	EA	WEIR WALL
SPEC	2	EA	NYOPLAST AREA DRAIN

CALCULATED BY: AMS DATE: 8/2/2026 CHECKED BY: MJL DATE: 8/2/2026



NOTICE

THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

GENERAL NOTES

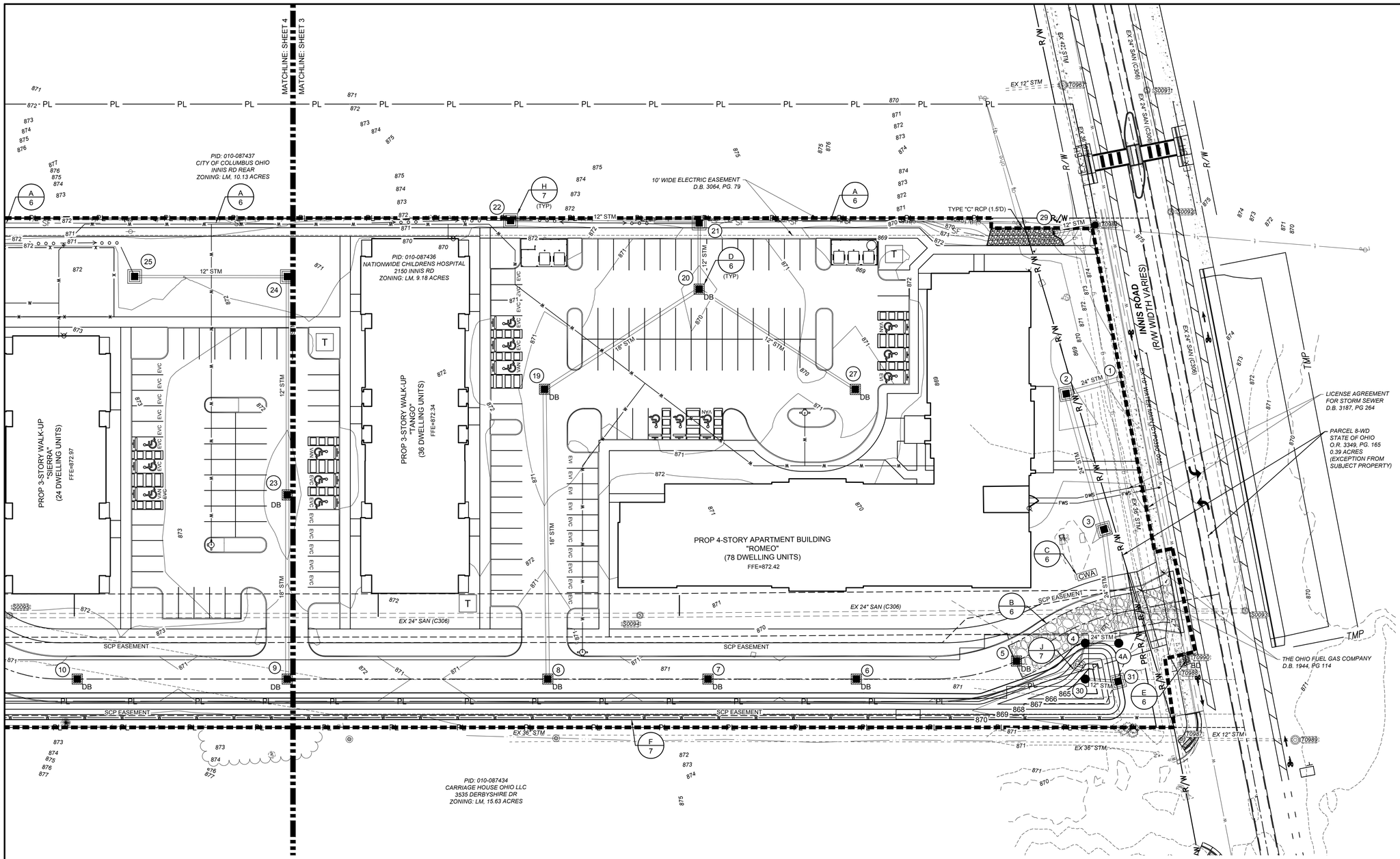
PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION
DIVISION USE ONLY

SCALE: N/A | SHEET 2 / 25
CONTRACT DRAWING NO. CC-_____ | RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 12:11 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 TS.DWG



EROSION CONTROL LEGEND

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- LIMITS OF DISTURBANCE
- SILT FENCE
- SWALE
- CWA — CONCRETE WASHOUT AREA
- SILT FENCE INLET PROTECTION
- DB — DANDY BAG INLET PROTECTION
- BD — BEAVER DAM INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK CHANNEL PROTECTION
- STRAW BLANKET/JUTE MATTING/GEO-TEXTILE FABRIC

NOTES:

1. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTOL.
2. UPPER BANKS ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTE MATTING OR SIMILAR GEO-TEXTILE
3. CONTRACTOR SHALL NOT SEND SEDIMENT LADEN WATER TO UNDERGROUND DETENTION UNITS.
4. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DESCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

AMERICAN STRUCTUREPOINT INC.

EROSION CONTROL PLAN

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

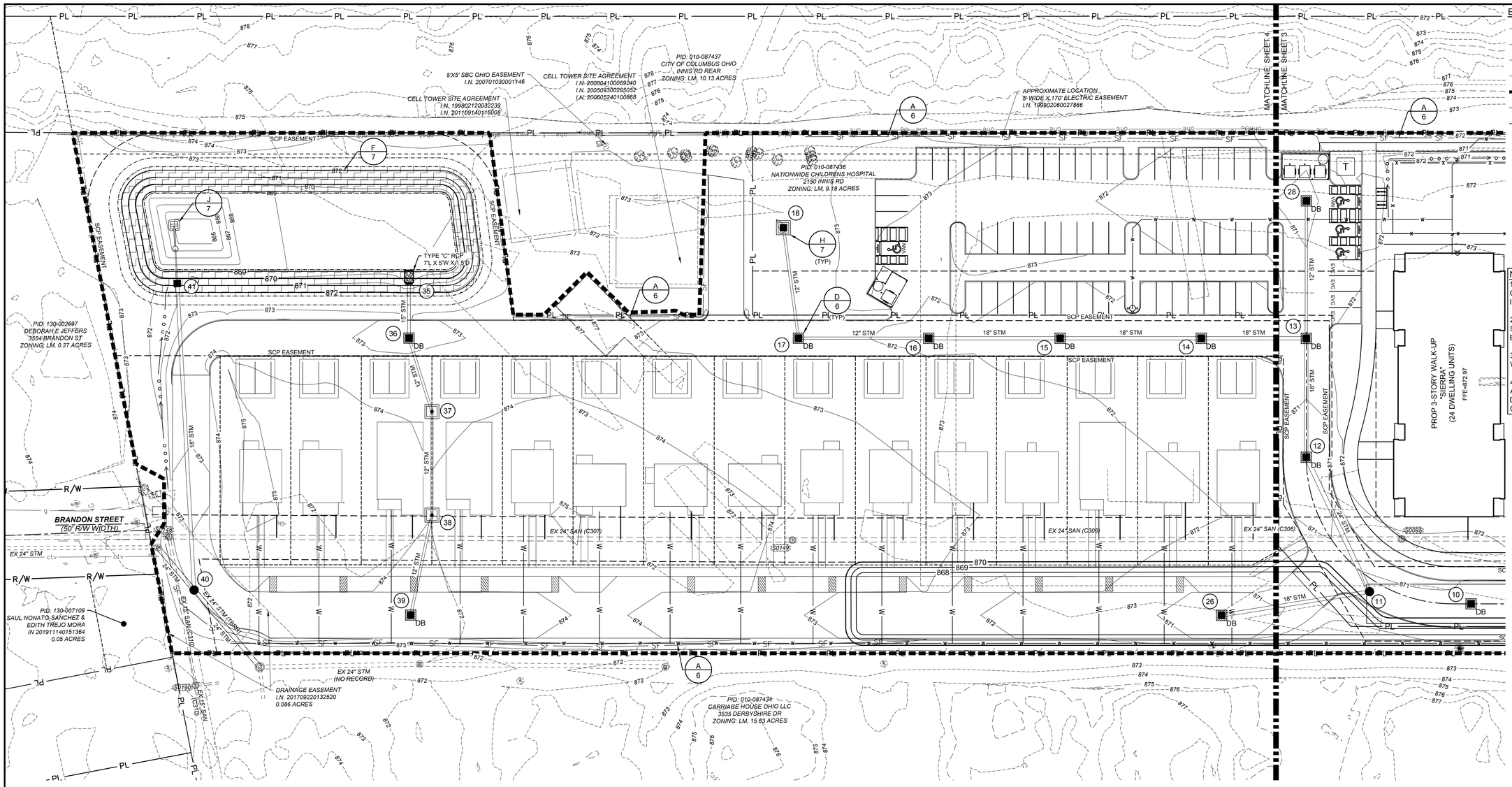
SCALE: 1" = 30'

SHEET 3 / 25

CONTRACT DRAWING NO.
CC-_____

RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:43 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 ECP.DWG



EROSION CONTROL LEGEND

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- LIMITS OF DISTURBANCE
- SILT FENCE
- SWALE
- CWA — CONCRETE WASHOUT AREA
- SILT FENCE INLET PROTECTION
- DB — DANDY BAG INLET PROTECTION
- BD — BEAVER DAM INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK CHANNEL PROTECTION
- STRAW BLANKET/JUTE MATTING/GEO-TEXTILE FABRIC

NOTES:

1. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTOL.
2. UPPER BANKS ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTE MATTING OR SIMILAR GEO-TEXTILE
3. CONTRACTOR SHALL NOT SEND SEDIMENT LADEN WATER TO UNDERGROUND DETENTION UNITS.
4. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DESCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

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PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:43 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 ECP.DWG

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

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PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

EROSION CONTROL PLAN

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PRIVATE STORM SEWER AND STORMWATER FACILITIES
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CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

SCALE: 1" = 30'

SHEET 4 / 25

CONTRACT DRAWING NO. CC-_____

RECORD PLAN NO.

SITE NARRATIVE

PLAN DESIGNER	OWNER
AMERICAN STRUCTUREPOINT, INC.	NATIONWIDE CHILDREN'S HOSPITAL
2550 CORPORATE EXCHANGE DR., STE 300	255 E MAIN STREET
COLUMBUS, OHIO 43231	COLUMBUS, OHIO 43215
CONTACT: MATTHEW J. LILIE	CONTACT: EMILY LONG RAYFIELD
PHONE: (614) 901-2235	PHONE: (614) 722-3344
EMAIL: MLILIE@STRUCTUREPOINT.COM	EMAIL: EMILY.LONGRAYFIELD@NATIONWIDECHILDRENS.ORG

EXISTING SITE CONDITIONS: THERE IS AN EXISTING HARDWARE STORE AND PARKING LOT IN THE MIDDLE OF THE SITE. BETWEEN INNIS ROAD AND THE PARKING LOT IS A LARGE GRASS LAWN. THE BACK OF THE SITE HAS A SHED, CELL TOWER AND WOODED AREA.

PROJECT DESCRIPTION: ACTIVITIES INCLUDE THE CONSTRUCTION OF THREE APARTMENT BUILDINGS, 15 SINGLE FMAILY HOMES, ASSOCIATED UTILITIES, DRIVES, SIDEWALK AND PAVEMENT IMPROVEMENTS.

RECEIVING STREAM: UNNAMED DITCHES TO SOUTH WEST, EVENTUALLY DRAINING TO ALUM CREEK.

DISTURBED AREA: 9.34 ACRES

SITE BMPS: FINAL LOCATIONS OF ALL SITE BMPS, INCLUDING DUMPSTERS, VEHICLE FUELING AREAS, CONCRETE TRUCK WASH, MATERIAL STORAGE, AND TOPSOIL STOCKPILES SHALL BE DETERMINED BY CONTRACTOR. IF FINAL LOCATION OF BMPS DIFFER FROM THE LOCATIONS SHOWN, CONTRACTOR SHALL MODIFY SWPPP AND INFORM OHIO EPA OF NEW LOCATIONS OF BMPS.

ADJACENT AREAS:
EAST: COMMERCIAL BUILDING & PARKING
NORTH: WOODED AREA
WEST: RESIDENTIAL AREA
SOUTH: COMMERCIAL AREA

GRADING REQUIREMENTS: DISTURBED AREAS WILL BE PROTECTED BY SILT FENCE, AND TEMPORARY SEDIMENT BASINS AS SHOWN ON THE PLAN. AREAS WILL BE STABILIZED WHEN GRADED TO PREVENT EROSION ON THE SITE.

EROSION & SEDIMENT CONTROL MEASURES: A COMBINATION OF MEASURES WILL BE USED TO PROVIDE EROSION & SEDIMENT CONTROL, INCLUDING SILT FENCE AND SEEDING.

PROVIDE INLET PROTECTION AT ALL NEW AND EXISTING DRAINAGE STRUCTURES.

ANY OFF SITE BORROW OR SPOIL AREAS SHALL BE SUBJECT TO THE REQUIREMENTS SET FORTH BY THE OHIO EPA. ALL EROSION AND SEDIMENT CONTROL MEASURES FOR OFF-SITE AREAS NOT COVERED BY A SEPARATE NOI OR SWPPP SHALL BE COORDINATED WITH THE OHIO EPA.

ALL TRENCH OR EXCAVATION GROUNDWATER CONTAINING SEDIMENT MUST BE EFFECTIVELY TREATED PRIOR TO DISCHARGE INTO THE STORM SEWER SYSTEM.

USE ALL MEANS NECESSARY TO CONTROL DUST ON THE SITE AND PREVENT TRACKING SOIL OFF SITE.

PERMANENT STABILIZATION: THE SITE WILL BE STABILIZED BY THE USE OF SEEDING OR SODDING IN LAWN AREAS.

MAINTENANCE: ALL EROSION CONTROL DEVICES ARE TO BE INSPECTED BY THE CONSTRUCTION SUPERINTENDENT WEEKLY AND AFTER SIGNIFICANT RAINFALLS. ANY DAMAGED FACILITIES ARE TO BE REPLACED OR REPAIRED IMMEDIATELY AS MAY BE NECESSARY.

GENERAL CONSTRUCTION SEQUENCE: (UNLESS NOTED OTHERWISE, ALL EROSION AND SEDIMENT CONTROL MEASURES FROM THE BEGINNING OF EARTH DISTURBING ACTIVITIES TO FINAL COMPLETION OF THE PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR)

1. ESTABLISH CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT CONSTRUCTION AREA.
2. CONSTRUCT TEMPORARY SEDIMENT CONTROLS AND PERIMETER EROSION CONTROL MEASURES, INCLUDING SEDIMENT BASINS, TEMPORARY OUTLET STRUCTURE, CONSTRUCTION ENTRANCE, AND SILT FENCE. MEASURES SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING.
3. CLEAR AND GRUB
4. STRIP AND STOCKPILE TOPSOIL. SEED STOCKPILES. PROVIDE PERIMETER SILT FENCE AT TOE OF STOCKPILE SLOPE.
5. PERFORM ROUGH GRADING AND EXCAVATION. STABILIZE AREAS AS INDICATED HEREIN.
6. INSTALL STORM SEWERS, UNDERGROUND DETENTION, OUTLET STRUCTURES, AND INLET FILTERS.
7. COMPLETE ALL PAVEMENT ACTIVITIES.
8. COMPLETE FINE GRADING OF SEEDED AREAS AND STABILIZE DISTURBED AREAS.
9. ONCE FINAL SEED HAS BEEN ESTABLISHED, CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES AND CLEAN ALL SEDIMENT FROM STRUCTURES AND PAVEMENT. SEDIMENT/WATER QUALITY BASIN SHALL BE CLEANED OF ALL ACCUMULATED SEDIMENT AND RESTORED TO THE ORIGINAL DESIGN CONTOURS SHOWN ON THESE PLANS.
10. PRIOR TO FINISHING WORK, ALL AREAS OF THE SITE DISTURBED BY CONSTRUCTION ACTIVITY (INCLUDING, BUT NOT LIMITED TO MATERIAL STORAGE AREAS, TRAILER AREAS, FUELING AREAS, TRUCK WASH AREAS, EQUIPMENT PATHS, HAUL ROADS, ETC.) SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS, OR IF IN AREAS OF PROPOSED IMPROVEMENTS, TO THEIR PROPOSED CONDITIONS. ALL STONE, TRASH, AND DEBRIS SHALL BE REMOVED FROM THE SOIL. THE UPPER 12" OF SOIL SHALL BE SCARIFIED, AND AREA SHALL BE GRADED TO SUBGRADE WITH SUITABLE MATERIALS. FURNISH 6" MINIMUM OF TOPSOIL AND SEED ALL AREAS.

SCHEDULE: THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.

JURISDICTION: ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

OEPA NOI: -

RUNOFF COEFFICIENTS:
PRE-DEVELOPED: CN = 81
POST-DEVELOPED: CN = 90
PRE-DEVELOPED IMPERVIOUS AREA: 2.77 ACRES
POST-DEVELOPED IMPERVIOUS AREA: 5.17 ACRES

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY SITE GRADING OPERATIONS. ALL APPLICABLE GOVERNING AGENCIES MUST BE NOTIFIED UPON COMPLETION OF THE INSTALLATION OF THE REQUIRED EROSION FACILITIES AND PRIOR TO ANY GRADING OPERATION BEING COMMENCED. IF DAMAGED OR REMOVED DURING CONSTRUCTION, ALL EROSION CONTROL FACILITIES SHALL BE RESTORED AND IN PLACE AT THE END OF EACH WORK DAY.
2. ANY EROSION CONTROL FACILITIES DEEMED NECESSARY BY THE GOVERNING AGENCIES; BEFORE, DURING OR AFTER THE GRADING ACTIVITIES, SHALL BE INSTALLED AT THEIR REQUEST.
3. FLOWS FROM DIVERSION CHANNELS OR PIPES (TEMPORARY OR PERMANENT) SHALL BE ROUTED TO SEDIMENTATION BASINS OR APPROPRIATE ENERGY DISSIPATERS TO PREVENT TRANSPORT OF SEDIMENT TO OUTFLOW TO LATERAL CONVEYORS AND TO PREVENT EROSION AND SEDIMENTATION WHEN RUNOFF FLOWS INTO THESE CONVEYORS.
4. SITE ACCESS ROADS SHALL BE GRADED OR OTHERWISE PROTECTED WITH SILT FENCES, DIVERSION CHANNELS, OR DIKES AND PIPES TO PREVENT SEDIMENT FROM EXITING THE SITE VIA THE ACCESS ROADS. SITE-ACCESS ROADS/DRIVEWAYS SHALL BE SURFACED WITH CRUSHED ROCK WHERE THEY ADJOIN EXISTING PAVED ROADWAYS.
5. SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES OR EQUIPMENT SHALL BE CLEANED DAILY FROM PAVED ROADWAY SURFACES, OR MORE FREQUENTLY IF REQUESTED BY GOVERNING AGENCIES, THROUGHOUT THE DURATION OF CONSTRUCTION.
6. DUST CONTROL MEASURES SHALL BE PERFORMED PERIODICALLY WHEN CONDITIONS REQUIRE AND/OR AS DIRECTED BY THE GOVERNING AGENCIES.
7. ALL EROSION CONTROL MEASURES SHALL BE USED AND MAINTAINED FOR THE DURATION OF SITE CONSTRUCTION. IF CONSTRUCTION OPERATIONS OR NATURAL EVENTS DAMAGE OR INTERFERE WITH THESE EROSION CONTROL MEASURES, THEY SHALL BE RESTORED TO SERVE THEIR INTENDED FUNCTION AT THE END OF EACH DAY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
8. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS SOON AS POSSIBLE. ANY AREAS WHICH HAVE BEEN FINISHED GRADED SHALL BE SODDED. AREAS THAT HAVE BEEN DISTURBED AND FOR WHICH GRADING OR SITE BUILDING CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY SHALL BE TEMPORARILY SEEDED AND MULCHED AS REQUIRED BY GOVERNING AGENCIES.
9. RUNOFF SHALL BE PREVENTED FROM ENTERING ALL STORM SEWER CATCH BASINS PROVIDING THEY ARE NOT NEEDED DURING CONSTRUCTION. WHERE STORM SEWER CATCH BASINS ARE NECESSARY FOR SITE DRAINAGE DURING CONSTRUCTION, A SILT FENCE OR SEDIMENT PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS UNTIL THE TRIBUTARY AREA TO THE CATCH BASIN IS RESTORED.
10. EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED AROUND THE PERIMETER OF ALL LAKES, PONDS, AND WETLANDS, IF ANY WITHIN OR ADJACENT TO THE AREA TO BE GRADED UNTIL THE AREA TRIBUTARY TO THE LAKE, POND, OR WETLAND IS RESTORED.
11. TO MINIMIZE EROSION, ALL 3:1 SLOPES OR GREATER SHALL BE COVERED WITH A TEMPORARY EROSION CONTROL BLANKET OR STAKED SOD.
12. ACCUMULATION OF ALL SEDIMENT OCCURRING IN STORM SEWERS, DITCHES, LAKES, PONDS, WETLANDS SHALL BE REMOVED PRIOR TO, DURING AND AFTER COMPLETION OF GRADING ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.
13. EROSION CONTROL ITEMS AND DEVICES SHALL BE REMOVED ONLY AFTER THE AREA HAS RECEIVED FINAL STABILIZATION.

POST CONSTRUCTION STORM WATER QUALITY MANAGEMENT - DETENTION BASIN NOTES:

THE DETENTION BASIN WILL ACT AS A STORM WATER QUALITY BASIN. THE BASIN WAS SIZED TO TREAT WATER QUALITY VOLUME IN ADDITION TO PROVIDING STORM WATER DETENTION. AN ADDITIONAL 20% OF VOLUME WAS PROVIDED FOR SEDIMENT LOADING. THE WATER QUALITY VOLUME WILL DRAIN THROUGH A SMALL DIAMETER ORIFICE ON THE OUTLET STRUCTURE.

1. GENERAL MAINTENANCE: INSPECT BASIN AND OUTLET STRUCTURE ONCE PER MONTH OR AFTER RAINFALL EVENTS OF 0.5 INCHES OR GREATER. MAINTAIN DOCUMENTATION OF ALL INSPECTIONS AND MAINTENANCE.
2. BASIN MAINTENANCE: EXCAVATE AND DISPOSE SEDIMENT OFF-SITE IN ACCORDANCE WITH LOCAL STANDARDS WHEN BASIN HAS ACCUMULATED 3 INCHES OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM THE FOREBAY AND MICROPOOL OF THE BASIN. ONCE SITE HAS BEEN STABILIZED, CLEAN OUT ALL SEDIMENT CONTAINED IN THE FOREBAY AND MIRCOPOOL. ALL SEDIMENT REMOVAL THEREAFTER SHALL BE LESS FREQUENT AND SHALL OCCUR WHEN BASIN FUNCTIONALITY HAS DECREASED OR ACCUMULATION HAS EXCEEDED 3 INCHES.
3. OUTLET STRUCTURE MAINTENANCE: REMOVE FLUSHED DEBRIS AND SEDIMENT FROM OUTLET STRUCTURE WITH VACUUM TRUCK MINIMUM OF ONCE EVERY SIX MONTHS OR WHEN SEDIMENT ACCUMULATES TO WITHIN 6 INCHES OF OUTLET, OF IF STANDING WATER PERSISTS FOR MORE THAN 72 HOURS.

SEDIMENT AND EROSION CONTROL NOTES:

MAINTENANCE & INSPECTION PROCEDURES:
ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENTATION AND EROSION CONTROL FEATURES ON THIS PROJECT. ANY SEDIMENT OR DEBRIS WHICH REDUCES THE EFFICIENCY OF A CONTROL FEATURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER AND IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT.

TEMPORARY SEEDING AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION, AND A WRITTEN LOG MUST BE KEPT. THIS LOG SHALL INDICATE THE DATE OF THE INSPECTION, NAME OF THE INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ANY CORRECTIVE ACTIONS TAKEN, AND BE SIGNED IN ACCORDANCE WITH THE CONDITIONS OF THE NPDES PERMIT. ANY CONTROL MEASURE MUST BE REPAIRED/REPLACED WITHIN THREE DAYS OF INSPECTION.

PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL BE TRAINED IN ALL INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE PLAN. THE DOCUMENT SHALL BE CREATED BY THE CONTRACTOR SIGNED PRIOR TO THE START OF CONSTRUCTION.

DISPOSAL OF SOLID/SANITARY/TOXIC WASTE:
SOLID, SANITARY, AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

IT IS PROHIBITED TO BURN, BURY, OR POUR OUT ONTO THE GROUND OR INTO A STORM SEWER WATER CONVEYANCE ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS, AND OTHER SUCH SOLID AND HAZARDOUS WASTES.

ANY RINSE WATERS OF SUCH MATERIAL ARE ALSO PROHIBITED FROM BEING PLACED WHERE THEY MAY ENTER DRAINAGEWAYS.

WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN A DIKED, DESIGNATED AREA, AWAY FROM ANY CONVEYANCE CHANNEL.

COORDINATE WASH OUT AREA WITH CONSTRUCTION MANAGER.

CONTRACTORS RESPONSIBILITIES:
THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENTATION CONTROL. THE DETAILS SHOWN ON THE PLAN SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE ODNR MANUAL "RAINWATER AND LAND DEVELOPMENT". THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. THE SCHEDULE SHOULD INCLUDE A SEQUENCE OF THE PLACEMENT OF THE SEDIMENTATION AND EROSION CONTROL MEASURES THAT PROVIDES FOR CONTINUAL PROTECTION OF THE SITE THROUGHOUT EARTH MOVING ACTIVITIES.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER AND/OR THE OHIO EPA.

THE CONTRACTOR SHALL PLACE INLET PROTECTION FOR THE SEDIMENTATION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF THE CATCH BASINS OR INLETS WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF SEDIMENTATION CONTROLS DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE CONTROLS SHALL BE REPLACED UPON GRADING OR DURING ANY INCLEMENT WEATHER.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFFSITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS MINIMIZED. ALL SUCH OFFSITE SEDIMENT SHALL BE CLEANED UP DAILY.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO STORM WATER RUNOFF. UNTREATED SEDIMENT-LADEN RUNOFF SHALL NOT FLOW OFFSITE WITHOUT BEING DIRECTED THROUGH A CONTROL PRACTICE.

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE INTO OR ALONG SIDE RIVERS, STREAMS, CREEKS, NATURAL OR MAN-MADE CHANNELS OR SWALES LEADING THERETO. CONCRETE WASH WATER AND SURPLUS CONCRETE SHALL BE CONFINED TO APPROVED AREAS. AFTER SOLIDIFYING THESE WASTED MATERIALS SHALL BE REMOVED FROM THE SITE.

POST FLOOD EVENT SITE MAINTENANCE:

FOLLOWING A FLOOD EVENT, INSPECT ALL MECHANICAL EQUIPMENT THAT ARE LOCATED ON THE SITE FOR ANY DAMAGES. WALLS AND WALL PENETRATIONS SHALL ALSO BE CHECKED FOR CRACKS AND LEAKS AND REPAIRED AS NECESSARY. ALL DEBRIS THAT MAY HAVE ACCUMULATED ALONG THE SITE SHALL BE GATHERED AND DISPOSED OF ACCORDING TO CITY STANDARDS. CHECK AND ENSURE THAT ALL DRAINAGE STRUCTURES ARE IN STANDARD OPERATION AND REPAIR ANY DAMAGES OR CLOGS THAT MAY HAVE OCCURRED DURING FLOODING.

STABILIZATION PROCEDURES

CONTRACTOR SHALL BE RESPONSIBLE TO KEEP A RECORD OF DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN EARTH DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES HAVE BEEN INITIATED. THE LIMITS OF SEEDING AND MULCHING ARE AS SHOWN WITHIN THE PLAN AS INDICATED BY THE LIMITS OF DISTURBANCE. ALL AREAS NOT DESIGNATED TO BE SEEDED SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

TEMPORARY STABILIZATION
TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY CEASES FOR AT LEAST 14 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. DISTURBED AREAS WITHIN 50 FEET OF A STREAM, FIRST ORDER OR LARGER, SHALL BE STABILIZED WITHIN 2 DAYS OF INACTIVITY. TEMPORARY STABILIZATION MUST BE APPLIED TO ANY AREA OF THE SITE WHICH WILL REMAIN IDLE OVER THE WINTER. THE TEMPORARY SEED SHALL BE RYE (GRASS) APPLIED AT A RATE OF 25 LBS PER 1000 SY. PRIOR TO SEEDING, 900 LBS OF GROUND AGRICULTURAL LIMESTONE AND 200 LBS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EVERY 1000 SY STABILIZED. IMMEDIATELY AFTER ANY GIVEN AREA IS SEEDED, STRAW OR HAY SHALL BE EVENLY PLACED OVER ALL SEEDED AREAS. TWO TONS PER ACRE FOR STRAW, OR 3 TONS PER ACRE FOR HAY SHALL BE PLACED WHEN SEEDING IS PREFORMED BETWEEN THE DATES OF MARCH 15 AND OCTOBER 15. THREE TONS PER ACRE STRAW, OR 4.5 TONS PER ACRE FOR HAY, SHALL BE PLACED WHEN SEEDING IS PREFORMED BETWEEN THE DATES OF OCTOBER 15 AND MARCH 15 OF THE SUCCEEDING YEAR. IF DORMANT SEEDING IS BEING USED FOR STABILIZATION, SEED SHALL BE PLANTED AFTER NOVEMBER 20. AREAS TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING STONE BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

IN ADDITION TO TEMPORARY SEEDING, THE CONTRACTOR SHALL PLACE A FILTER FABRIC BARRIER AROUND THE BASE OF ALL SOIL STOCKPILES.

TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREA WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
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 LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

PERMANENT STABILIZATION
DISTURBED PORTIONS OF THE SITE WHEN CONSTRUCTION HAS COMPLETED, OR PORTIONS THAT WILL REMAIN DORMANT FOR LONGER THAN ONE YEAR, SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. THE PERMANENT SEED MIX SHALL CONSIST OF 260 LBS/ACRE OF TURF TYPE TALL FESCUE. PRIOR TO SEEDING, APPLY COMMERCIAL FERTILIZER AT THE RATE OF 1 LB ACTUAL NITROGEN PER 1000 SF. FERTILIZER TO HAVE 20-22-14 ANALYSIS. AFTER SEEDING, EACH AREA SHALL BE MULCHED USING TURFIBER (OR EQUIVALENT) AT A RATE OF 2000 LBS PER ACRE WITH 50 LBS OF TURFIBER ADDED PER 100 GALLONS OF MACHINE CAPACITY. KEEP HYDROMULCH FROM NON-TARGET AREAS INCLUDING PAVEMENT, PLANT MATERIALS, CURBING, AND STRUCTURES. IF THESE SURFACES ARE HIT DURING HYDROMULCHING OPERATIONS, WASH THE SURFACE IMMEDIATELY.

IF SEASONAL CONDITIONS PROHIBIT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION, SUCH AS MULCHING WITH A TACKIFIER OR MATTING, MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.

PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
AN AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE IN THAT AREA

EASEMENT REFERENCE

CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS

NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

EROSION CONTROL NOTES

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION
DIVISION USE ONLY

SCALE: N/A | SHEET 5 / 25
CONTRACT DRAWING NO. CC-_____ | RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:43 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 ECP.DWG

ESC SHEET AND REGULATIONS NOTE:
EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEET NO. ___ OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE REGULATION FOR CONTROL OF STORMWATER POLLUTION FROM LAND DISTURBANCE. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

NOTIFICATION TO CITY NOTE:
IT IS THE RESPONSIBILITY OF THE SITE OWNER TO NOTIFY THE CITY OF COLUMBUS TWO WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING, AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE PLAN REVIEW AND STORMWATER & REGULATORY MANAGEMENT SECTION AT (614) 645-6311. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE REGULATION FOR CONTROL OF STORMWATER POLLUTION FROM LAND DISTURBANCE. FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION.

ILLICIT DISCHARGE NOTE:
DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

CONCRETE WASHOUT NOTE:
THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT. APPLIES TO ALL SWP3 PLAN REVIEW PAGES.

PORTABLE CONCRETE WASHOUT NOTE:
THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.

UPPER BANK MATTING NOTE:
UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTTE MATTING OR SIMILAR GEO-TEXTILE

CONTROL FIELD MODIFICTION NOTE:
ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

EXISTING INLET PROTECTION NOTE:
ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

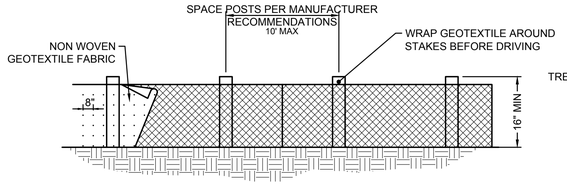
STREET CLEANING NOTE:
STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

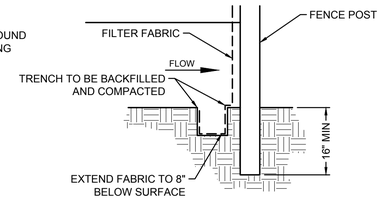
PLAN AVAILABILITY NOTE:
THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

STRAW WATTLE NOTE:
THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE.

ADDITIONALLY:
THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.

12 INCH STRAW WATTLE NOTE:
STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).





NOTES:

1. FENCE POST SHALL BE A MINIMUM LENGTH OF 32 INCHES LONG PLUS BURIAL DEPTH, COMPOSED OF NOMINAL DIMENSIONED 2x2 INCH HARDWOOD OF SOUND QUALITY. ALTERNATELY POST MATERIAL SHALL BE STEEL OR SYNTHETIC AND SHALL BE OF SUFFICIENT STRENGTH TO RESIST DAMAGE DURING INSTALLATION, TO SUPPORT APPLIED LOADS, AND SO THE GEOTEXTILE CAN BE ADEQUATELY SECURED TO POST
2. FABRIC SHALL BE A NEEDLE PUNCHED NON-WOVEN GEOTEXTILE FABRIC CONSISTING OF STRONG, ROT RESISTANT, MATERIALS RESISTANT TO DETERIORATION FROM ULTRAVIOLET AND HEAT EXPOSURE.
3. MINIMUM 8" FABRIC BURY REQUIRED.
4. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
5. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
7. SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY HALF THE HEIGHT OF THE SILT FENCE.

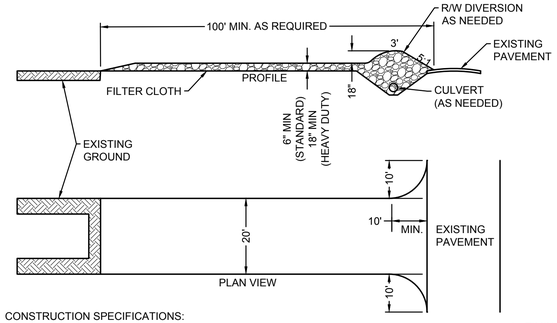
MINIMUM CRITERIA FOR SILT FENCE FABRIC (ODOT, 2002)		
MINIMUM TENSILE STRENGTH	120 lbs (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 lbs (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 lbs (180 N)	ASTM D 4533
APPARENT OPENING SIZE	≤ 0.84 mm	ASTM D 4751
MINIMUM PERMITIVITY	$1x10^{-2}$ sec. $^{-1}$	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM D 4355

NOTE:

THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE.
STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).

ADDITIONALLY:
THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.

A SILT FENCE
NOT TO SCALE



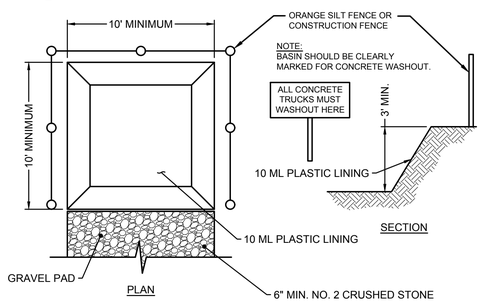
CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE—ODOT # 2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH—THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
3. THICKNESS -THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH -THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
5. GEOTEXTILE -A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 lbs
MINIMUM PUNCTURE STRENGTH	80 psi
MINIMUM TEAR STRENGTH	50 lbs
MINIMUM BURST STRENGTH	320 psi
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS<0.6 mm
PERMITIVITY	$1x10^{-3}$ cm/sec

6. TIMING—THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT -A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR -A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR PREVENT FLOWING SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
11. REMOVAL—THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

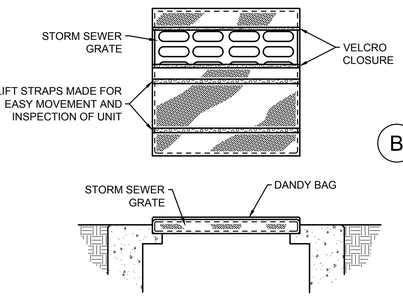
B CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTE:

1. CONCRETE WASHOUT AREA SHALL BE LOCATED A MINIMUM OF 100' FROM STORM SEWER INLETS, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS.
2. IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO A CONSTRUCTION ENTRANCE.
3. CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. LARGE SITES MAY REQUIRE MULTIPLE CONCRETE WASHOUT AREAS.
4. PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-ML POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF LARGE ROCKS AND DEBRIS.
5. CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
6. CONCRETE WASHOUT AREA SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOW.
7. PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE.
8. CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR PLASTIC LINING SHALL BE REPAIRED IMMEDIATELY. REPLACE THE ENTIRE CONCRETE WASHOUT AREA WHEN IT IS 75% FULL.
9. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS .
10. STRAW BALES ARE NOT PERMITTED WITHIN THE CONCRETE WASHOUT AREA.
11. THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/ CONTACT.

C CONCRETE WASHOUT AREA
NOT TO SCALE



INSTALLATION:

1. STAND GRATE ON END. PLACE DANDY BAG OVER GRATE.
2. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY.
3. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH THE GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE:

AFTER EACH STORM EVENT AND SILT HAS DRIED, REMOVE ACCUMULATED DEBRIS FROM THE SURFACE OF DANDY BAG WITH BROOM.

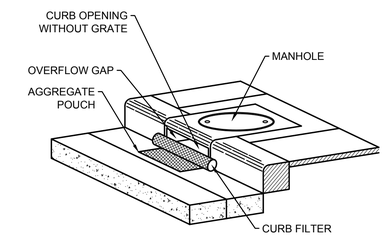
NOTE:

PROVIDE FOR INLETS LOCATED IN PAVEMENT

DANDY BAG WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT THAT MEETS OR EXCEEDS THE FOLLOWING SPEFICATIONS	
GRAB TENSILE STRENGTH	ASTM D 4632
GRAB TENSILE ELONGATION	ASTM D 4632
PUNCTURE STRENGTH	ASTM D 4833
MULLEN BURST STRENGTH	ASTM D 3786
TRAPEZOID TEAR STRENGTH	ASTM D 4533
UV RESISTANCE	ASTM D 4355
APPARENT OPENING SIZE	ASTM D 4751
FLOW RATE	ASTM D 4491
PERMITIVITY	ASTM D 4491

STRUCTURES: 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 23, 26, 27, 28, 36, 39

D DANDY BAG INLET PROTECTION
NOT TO SCALE



INSTALLATION:

1. STAND GRATE ON END. SLIDE THE BEAVER DAM BAG ON WITH DAM ON TOP OF THE GRATE. PULL ALL EXCESS DOWN.
2. LAY UNIT ON ITS SIDE. CAREFULLY TUCK FLAP IN. PRESS VELCRO STRIPS TOGETHER.
3. INSTALL THE UNIT MAKING SURE FRONT EDGE OF GRATE IS INSERTED IN FRAME FIRST, THEN LOWER BACK INTO PLACE.
4. PRESS VELCRO DOTS TOGETHER WHICH ARE LOCATED UNDER LIFTING STRAPS. THIS ENSURES STRAPS REMAIN FLUSH WITH GUTTER.

MAINTENANCE:

1. WITH A STIFF BRISTLE BROOM, SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH STORM EVENT.

DANDY BAG WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT THAT MEETS OR EXCEEDS THE FOLLOWING SPEFICATIONS	
GRAB TENSILE STRENGTH	ASTM D 4632
GRAB TENSILE ELONGATION	ASTM D 4632
PUNCTURE STRENGTH	ASTM D 4833
MULLEN BURST STRENGTH	ASTM D 3786
TRAPEZOID TEAR STRENGTH	ASTM D 4533
UV RESISTANCE	ASTM D 4355
APPARENT OPENING SIZE	ASTM D 4751
FLOW RATE	ASTM D 4491
PERMITIVITY	ASTM D 4491

STRUCTURES: T0990

E BEAVER DAM INLET PROTECTION
NOT TO SCALE

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

EROSION CONTROL DETAILS

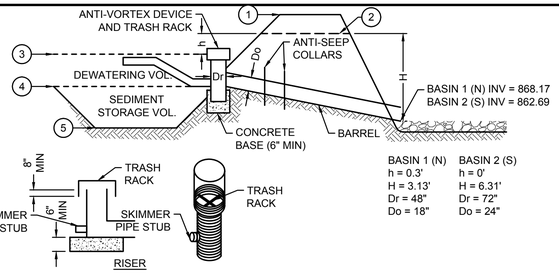
PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION
DIVISION USE ONLY

SCALE: N/A | SHEET 6 / 25
CONTRACT DRAWING NO. CC-_____ | RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:43 PM EDITED BY: ASMKEMILLER DRAWING FILE: O:\2022\032920D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 ECP.DWG



BASIN 1 (N)	BASIN 2 (S)
h = 0.3'	h = 0'
H = 3.13'	H = 6.31'
Dr = 48"	Dr = 72"
Do = 18"	Do = 24"

TEMPORARY SEDIMENT BASIN 1 (NORTH) DEWATERING VOLUME

1800 CF PER ACRE OF DRAINAGE AREA

1800 CF/AC * 2.03 AC = 3654 CF

(1) TOP OF BASIN ELEVATION = 872.5

(2) SPILLWAY ELEVATION = 871.3

(3) DEWATERING ELEVATION = 871

(4) SEDIMENT STORAGE ELEVATION = 870

VOLUME PROVIDED = 10,042 CF

TEMPORARY SEDIMENT BASIN 1 (NORTH) SEDIMENT STORAGE VOLUME

1000 CF PER ACRE OF DISTURBED AREA

1000 CF/AC * 1.91 AC = 1910 CF

(4) SEDIMENT STORAGE ELEVATION = 870

(5) BOTTOM OF BASIN ELEVATION = 869

VOLUME PROVIDED = 5,980 CF

TEMPORARY SEDIMENT BASIN 2 (SOUTH) DEWATERING VOLUME

1800 CF PER ACRE OF DRAINAGE AREA

1800 CF/AC * 8.18 AC = 14,724 CF

(1) TOP OF BASIN ELEVATION = 870

(2) SPILLWAY ELEVATION = 869

(3) DEWATERING ELEVATION = 869

(4) SEDIMENT STORAGE ELEVATION = 868

VOLUME PROVIDED = 16,260 CF

TEMPORARY SEDIMENT BASIN 2 (SOUTH) SEDIMENT STORAGE VOLUME

1000 CF PER ACRE OF DISTURBED AREA

1000 CF/AC * 7.22 AC = 7,220 CF

(4) SEDIMENT STORAGE ELEVATION = 868

(5) BOTTOM OF BASIN ELEVATION = 865

VOLUME PROVIDED = 8,336 CF

NOTES:

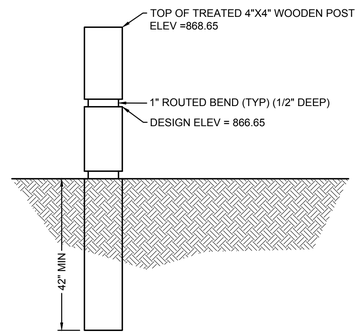
1. FILL USED FOR THE EMBANKMENT SHALL BE EVALUATED TO ASSURE IT IS SUITABLE AND STABLE FOR THE SLOPES OF THE BASIN. IT IS TO BE FREE OF ANY DEBRIS AS A RESULT OF CLEARING AND GRUBBING (E.G. ROOTS, OTHER ORGANICS, ETC...)
2. THE MAXIMUM HEIGHT OF THE EMBANKMENT SHALL BE FIVE FEET. ALL CUT AND FILL SLOPES SHALL BE 2:1 (H:V) OR FLATTER.
3. THE OUTLET SHALL BE CONSTRUCTED USING THE MATERIALS SPECIFIED ON THIS DRAWING. GEOTEXTILE SHALL BE KEYED IN AT LEAST 6" ON THE UPSTREAM SIDE OF THE OUTLET.
4. WARNING SIGNS AND SAFETY FENCE SHALL BE PLACED AROUND THE TRAPS AND MAINTAINED OVER THE LIFE OF THE BASIN.
5. AFTER THE BASIN IS NO LONGER NEEDED THE STRUCTURE AND ALL ASSOCIATED SEDIMENT SHALL BE REMOVED. THE BASIN SHALL BE FILLED WITH STABLE EARTH MATERIAL, COMPACTED, GRADED, AND SEEDED TO BLEND IN WITH ADJACENT LAND.

OPERATION AND MAINTENANCE:

1. THE CAPACITY AND FUNCTION OF THE SEDIMENT BASIN SHALL BE MAINTAINED BY INSPECTING ON A WEEKLY BASIS AND AFTER EACH STORM EVENT BY PERFORMING THE ACTIVITIES BEFORE.
2. SHORE UP ANY ERODING SLOPES, REMOVE WOODY VEGETATED GROWTH ON THE EMBANKMENT AND SPILLWAY AREAS, AND REMOVE ANY TRASH OR DEBRIS THAT HAVE ACCUMULATED IN THE BASIN.
3. DEWATERING OUTLETS SHALL BE REGULARLY CHECK THAT THEY ARE PERFORMING AS INTENDED.
4. REMOVE SEDIMENT AND RESTORE BASIN BACK TO ITS INTENDED DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE TOP OF THE SEDIMENT STORAGE ZONE. THIS ELEVATION SHALL BE MARKED WITH A STAKE NEAR THE CENTER OF THE BASIN

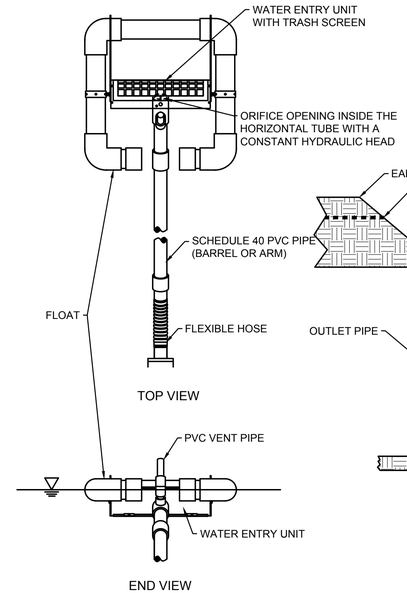
F SEDIMENT BASIN

NOT TO SCALE



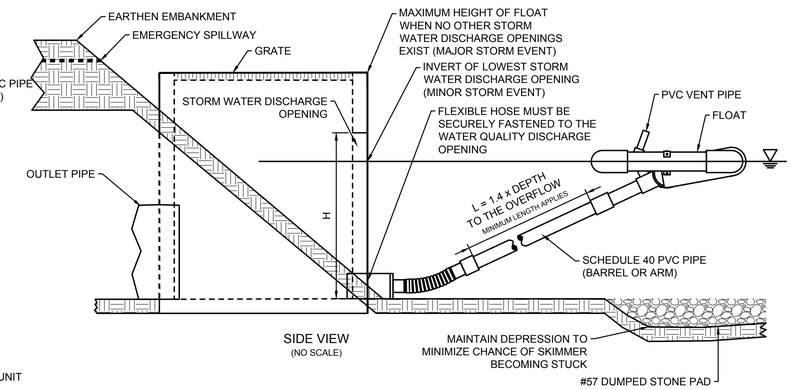
G SEDIMENT POST

NOT TO SCALE



GENERAL NOTES:

1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

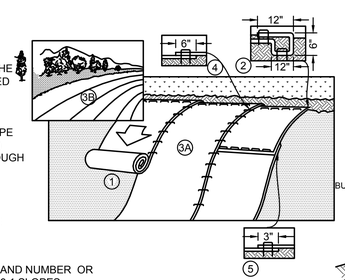


J FAIRCLOTH SKIMMER WITH OUTLET STRUCTURE

NOT TO SCALE

NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.



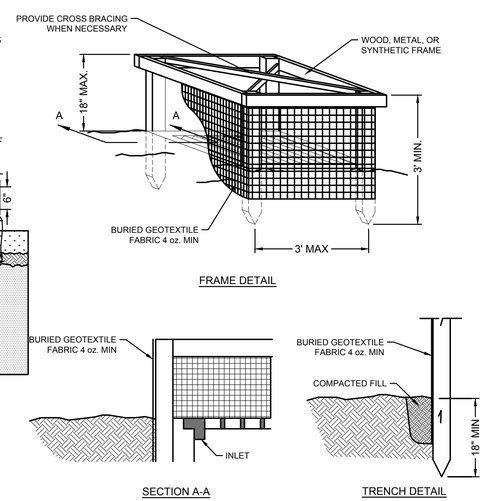
EROSION CONTROL BLANKET

THE FOLLOWING BLANKET MANUFACTURER AND NUMBER OR APPROVED EQUAL MAY BE USED FOR 4:1 TO 3:1 SLOPES.

MANUFACTURER	NUMBER
NORTH AMERICAN GREEN	S75
NORTH AMERICAN GREEN	SC250
NORTH AMERICAN GREEN OR APPROVED EQUAL	C125 BN

K EROSION CONTROL BLANKET

NOT TO SCALE



H SILT FENCE INLET PROTECTION

NOT TO SCALE

NOTE:

PROVIDE FOR INLETS **NOT** LOCATED IN PAVEMENT

1. INLET PROTECTION SHALL BE CONSTRUCTION EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1) FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOIN SHOWN. The TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

STRUCTURES: 2, 3, 18, 21, 22, 24, 25, 31, 37, 38

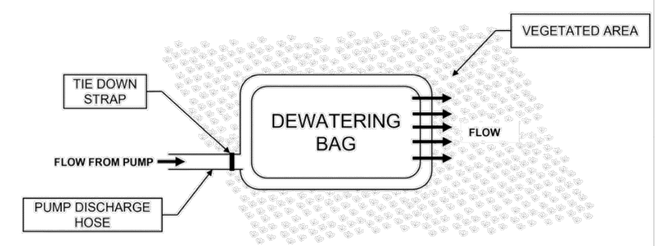
SEDIMENT PUMPING NOTES & DIAGRAM

NOTICE

The pumping or direct discharge of sediment-laden (muddy) water to the City's sewer system or a receiving stream is a violation of Ohio EPA and City of Columbus regulations.

All inlets receiving flow from runoff, pumping activities, or other direct discharges shall be fitted with an inlet protection device that is properly sized and secured to reduce the discharge of sediment into the storm sewer system and receiving stream. Inlet protection is required on all inlets receiving discharge regardless of whether or not the inlet is tributary to any downstream erosion and sediment controls.

Discharge hoses used during pumping activities shall be fitted with sediment bags that are properly sized and maintained per the manufacturer's recommendations regardless of what other sediment controls are in place further downstream. Sediment bags must be properly secured to the discharge hose and placed over vegetated areas, where feasible, during discharge. See detail below of a typical sediment bag installation.



SUGGESTED DISCHARGE SET-UP FOR PUMPING MUDDY WATER

DEMOLITION PAGE

Any existing storm inlets impacted by the new construction activity will need the appropriate inlet protection for sediment control.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

EROSION CONTROL DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: N/A

SHEET 7 / 25

CONTRACT DRAWING NO. CC-_____

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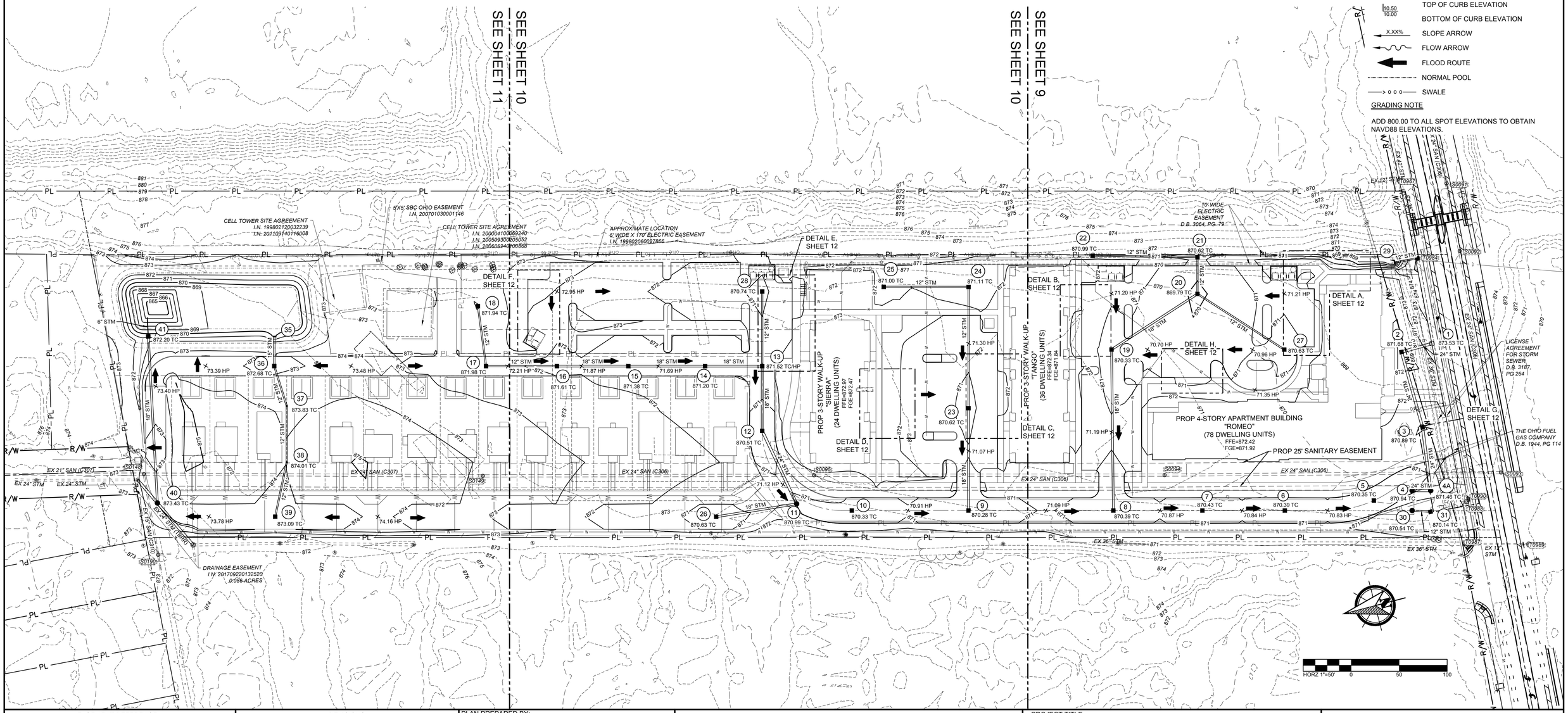
GRADING LEGEND

——xxx——	PROPOSED MAJOR CONTOUR
——xxx——	PROPOSED MINOR CONTOUR
– – xxx – –	EXISTING MAJOR CONTOUR
- - - - xxx - - - -	EXISTING MINOR CONTOUR
FFE=110.00	FINISHED FLOOR ELEVATION
×10.00	SPOT ELEVATION
×100.00 TC	TOP OF CASTING ELEVATION
×10.00 HP	HIGH POINT ELEVATION
×10.00 ME	MATCH EXISTING ELEVATION
10.50	TOP OF CURB ELEVATION
10.00	BOTTOM OF CURB ELEVATION
X.XX%	SLOPE ARROW
	FLOW ARROW
	FLOOD ROUTE
	NORMAL POOL
——> o o o——	SWALE

GRADING NOTE

ADD 800.00 TO ALL SPOT ELEVATIONS TO OBTAIN NAVD88 ELEVATIONS.



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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

AMERICAN STRUCTUREPOINT INC.

OVERALL GRADING PLAN

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2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY				OWNER		
				CONTRACTOR		
				INSPECTOR		
				AGREEMENT	COMPLETED	
				RPD / CKD	CID / CON.DR.	
				INDEX DETAIL	RECORD FILE	

CITY OF COLUMBUS, OHIO
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DIVISION OF WATER RECLAMATION

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SCALE: 1" = 50'

SHEET 8 / 25

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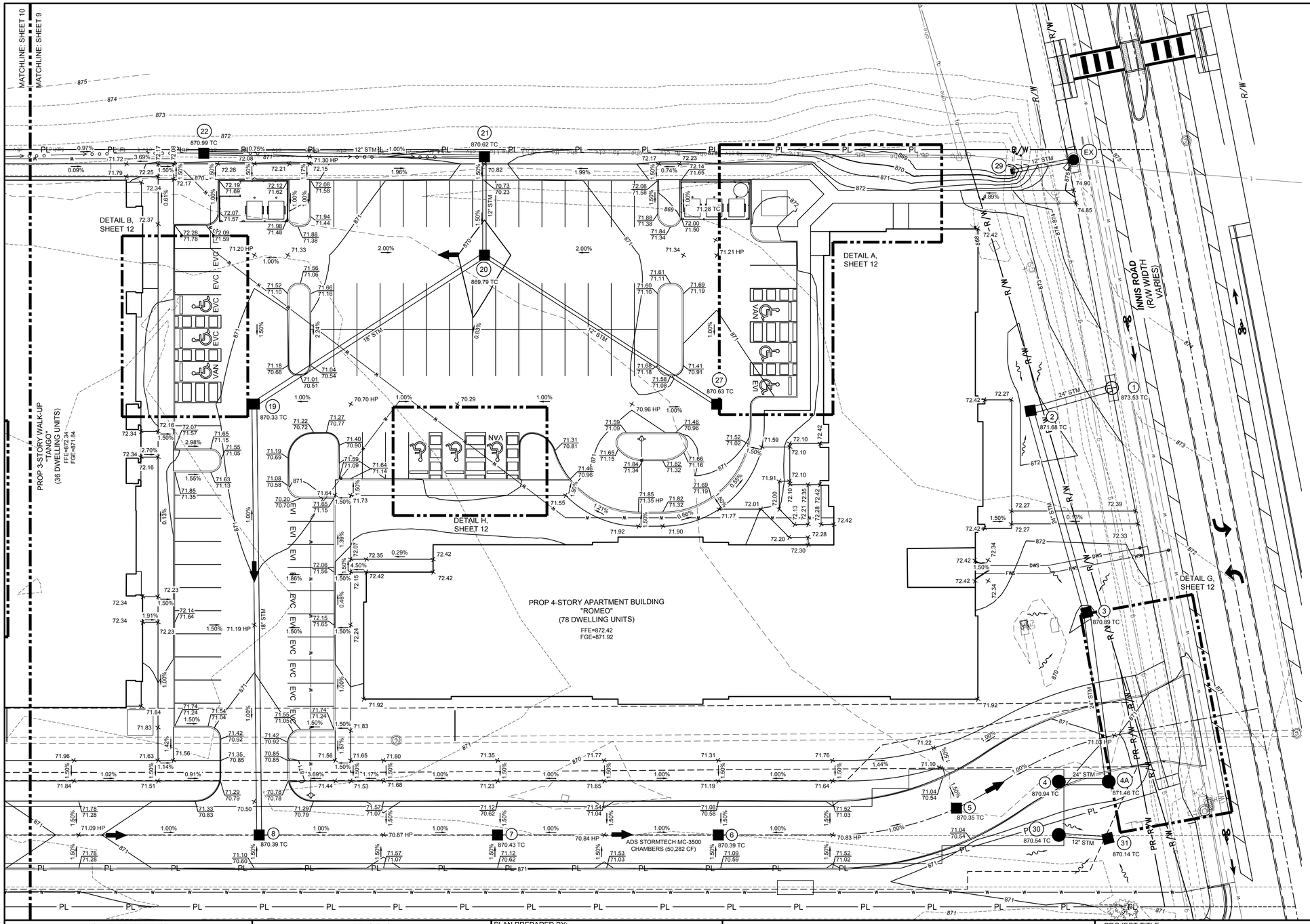

GRADING LEGEND

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xxx	PROPOSED MINOR CONTOUR
xxx	EXISTING MAJOR CONTOUR
xxx	EXISTING MINOR CONTOUR
FFE=110.00	FINISHED FLOOR ELEVATION
×10.00	SPOT ELEVATION
×100.00 TC	TOP OF CASTING ELEVATION
×10.00 HP	HIGH POINT ELEVATION
×10.00 ME	MATCH EXISTING ELEVATION
	TOP OF CURB ELEVATION
10.50 / 10.00	BOTTOM OF CURB ELEVATION
X.XX%	SLOPE ARROW
	FLOOD ROUTE

GRADING NOTE

ADD 800.00 TO ALL SPOT ELEVATIONS TO OBTAIN NAVD88 ELEVATIONS.

HORZ 1"=30' 0 30 60

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GRADING PLAN

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2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

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CONTRACTOR
INSPECTOR

AGREEMENT		COMPLETED	
RPD	CKD	CID	CON.DR.
INDEX DETAIL		RECORD FILE	

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DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SHEET 9 / 25

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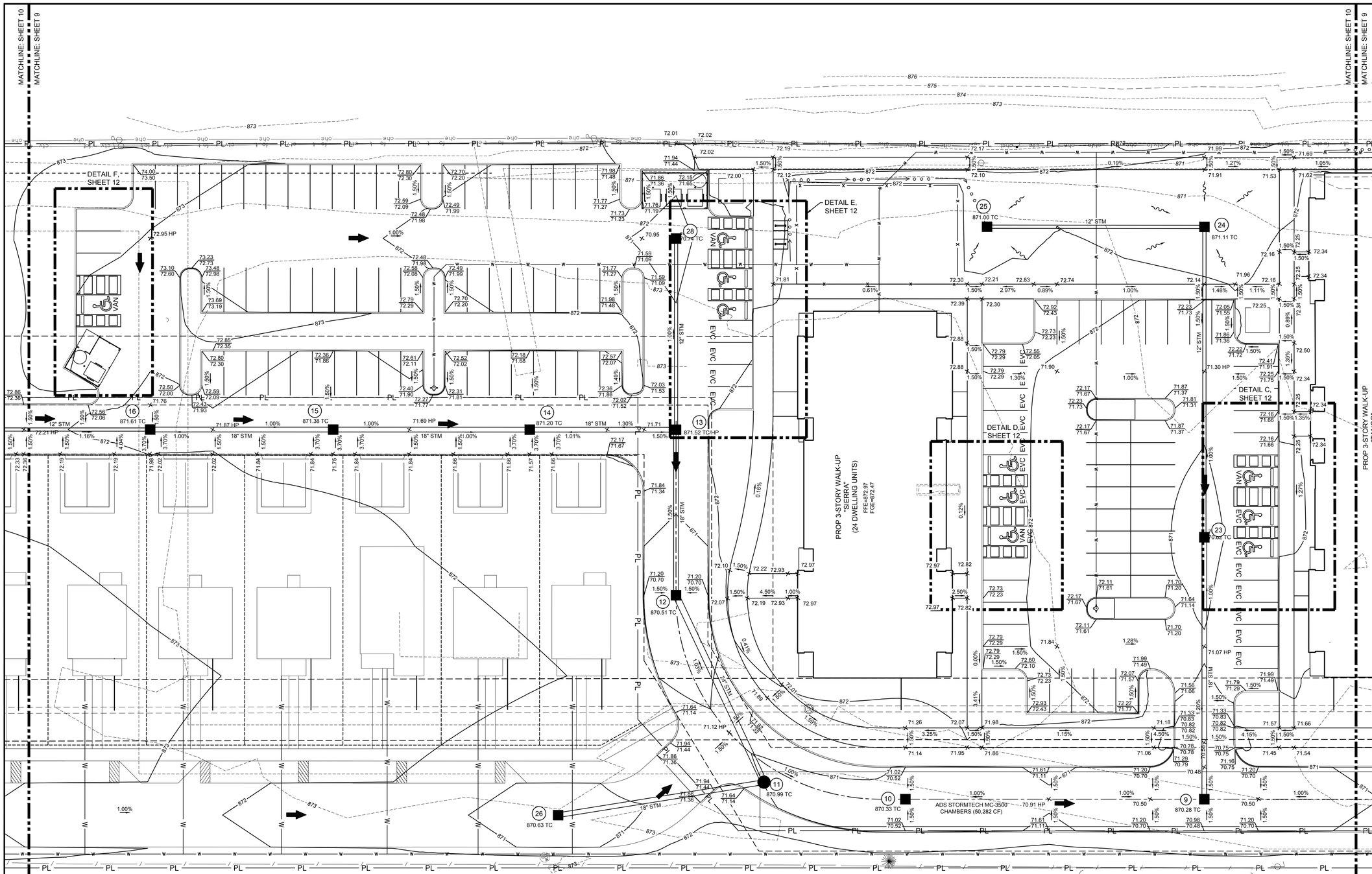

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×100.00 TC	TOP OF CASTING ELEVATION
×10.00 HP	HIGH POINT ELEVATION
×10.00 ME	MATCH EXISTING ELEVATION
	TOP OF CURB ELEVATION
10.50 / 10.00	BOTTOM OF CURB ELEVATION
X.XX%	SLOPE ARROW
	FLOOD ROUTE

GRADING NOTE

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AMERICAN STRUCTUREPOINT INC.

GRADING PLAN

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INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

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DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: 1" = 30'

SHEET 10 / 25

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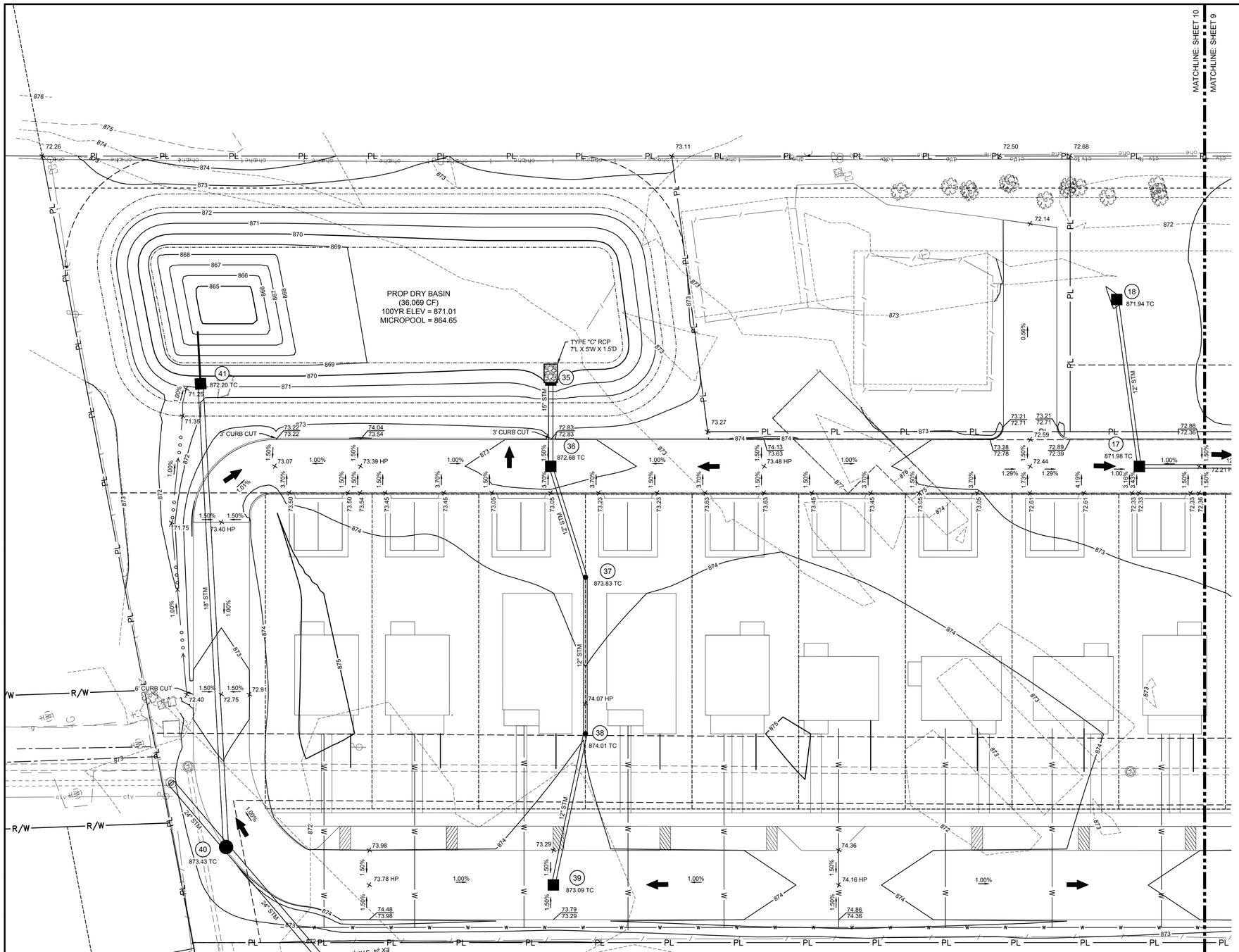

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——xxx——	PROPOSED MINOR CONTOUR
— — xxx — —	EXISTING MAJOR CONTOUR
- - - xxx - - -	EXISTING MINOR CONTOUR
FFE=110.00	FINISHED FLOOR ELEVATION
×10.00	SPOT ELEVATION
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10.50 / 10.00	BOTTOM OF CURB ELEVATION
X.XX%	SLOPE ARROW
	FLOOD ROUTE

GRADING NOTE

ADD 800.00 TO ALL SPOT ELEVATIONS TO OBTAIN NAVD88 ELEVATIONS.

HORZ 1"=30' 0 30 60

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GRADING PLAN

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RPD | CKD | CID | CON.DR.
INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: 1" = 30'
SHEET 11 / 25
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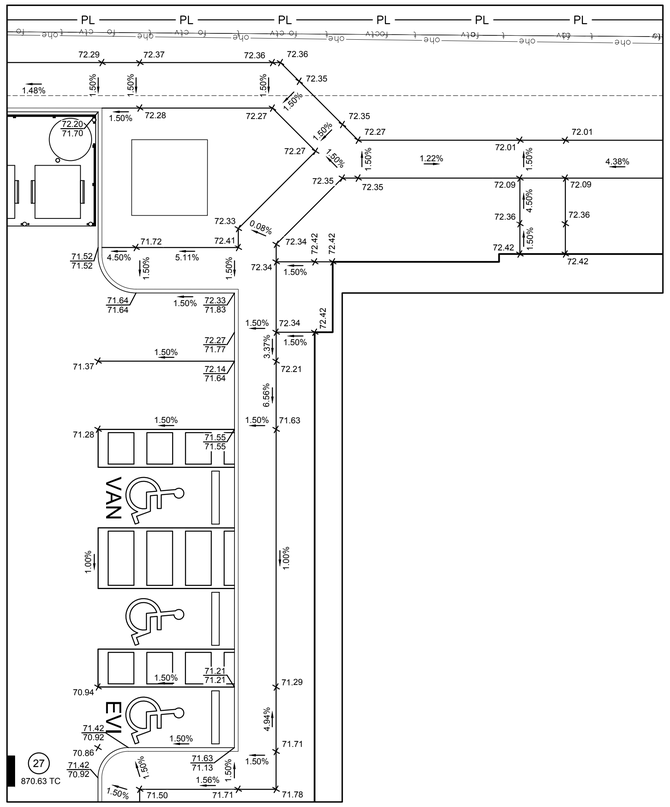
PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 11:14 AM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 G&UP.DWG



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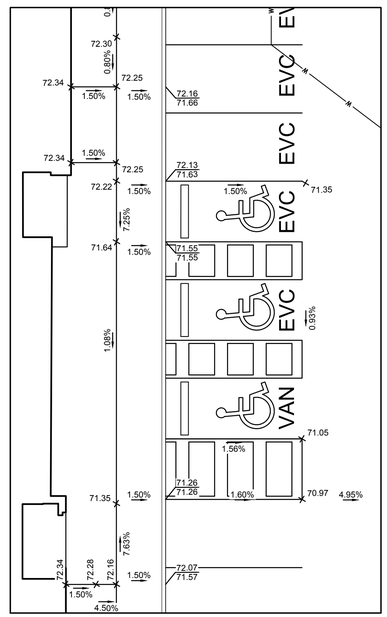

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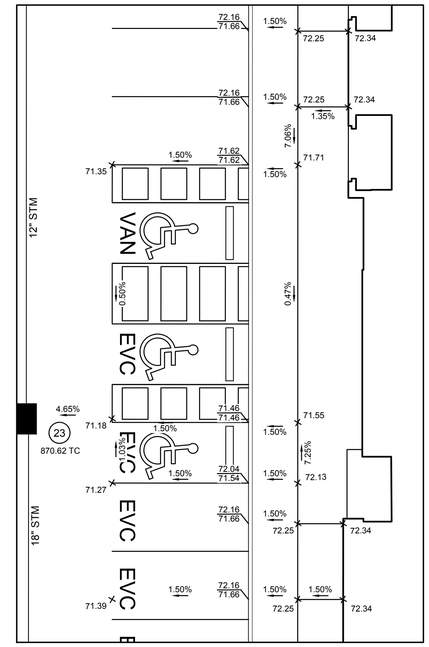

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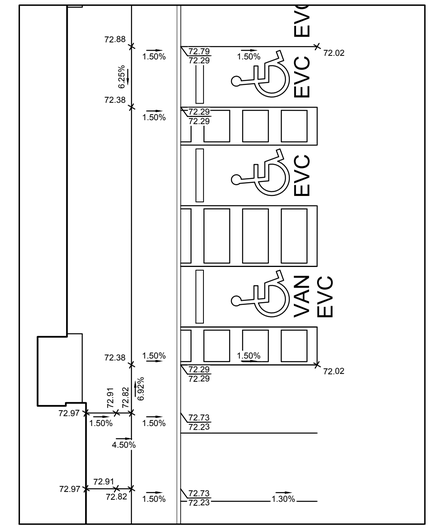
SCALE: 1" = 10'



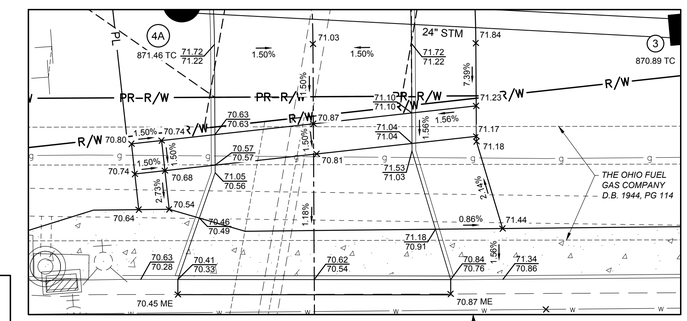
D GRADING DETAIL
SCALE: 1" = 10'

GRADING LEGEND

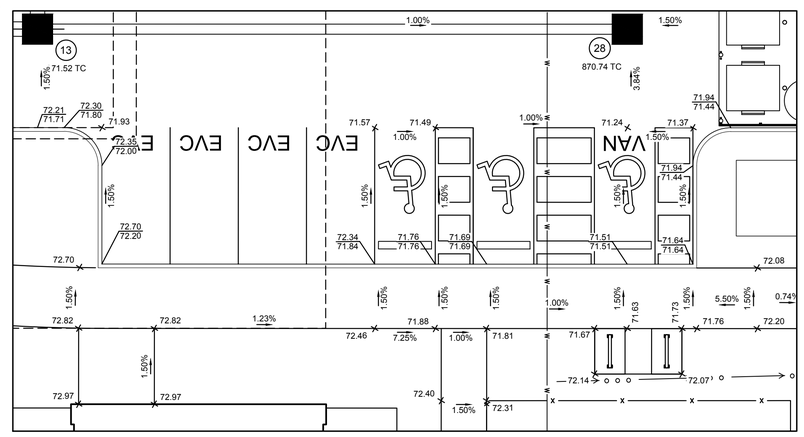
——xxx——	PROPOSED MAJOR CONTOUR
——xxx——	PROPOSED MINOR CONTOUR
— — ·xxx· — —	EXISTING MAJOR CONTOUR
- - - - xxx - - - -	EXISTING MINOR CONTOUR
FFE=110.00	FINISHED FLOOR ELEVATION
×10.00	SPOT ELEVATION
×100.00 TC	TOP OF CASTING ELEVATION
×10.00 HP	HIGH POINT ELEVATION
×10.00 ME	MATCH EXISTING ELEVATION
	TOP OF CURB ELEVATION
10.50 / 10.00	BOTTOM OF CURB ELEVATION
X.XX%	SLOPE ARROW
	FLOOD ROUTE

GRADING NOTE

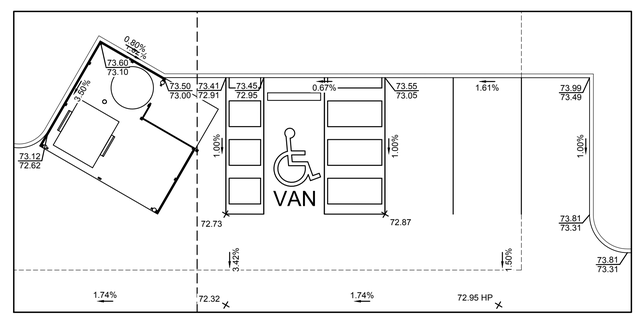
ADD 800.00 TO ALL SPOT ELEVATIONS TO OBTAIN NAVD88 ELEVATIONS.



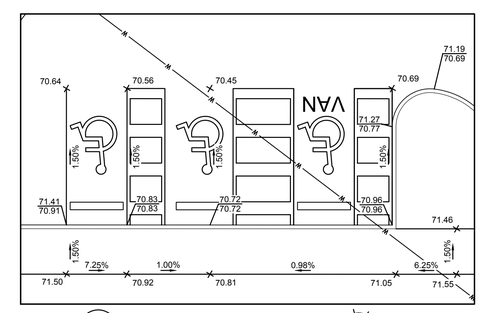
G GRADING DETAIL
SCALE: 1" = 10'



E GRADING DETAIL
SCALE: 1" = 10'



F GRADING DETAIL
SCALE: 1" = 10'



H GRADING DETAIL
SCALE: 1" = 10'

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.

GRADING DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

SCALE: 1" = 10'
SHEET 12 / 25
CONTRACT DRAWING NO. CC-_____
RECORD PLAN NO.

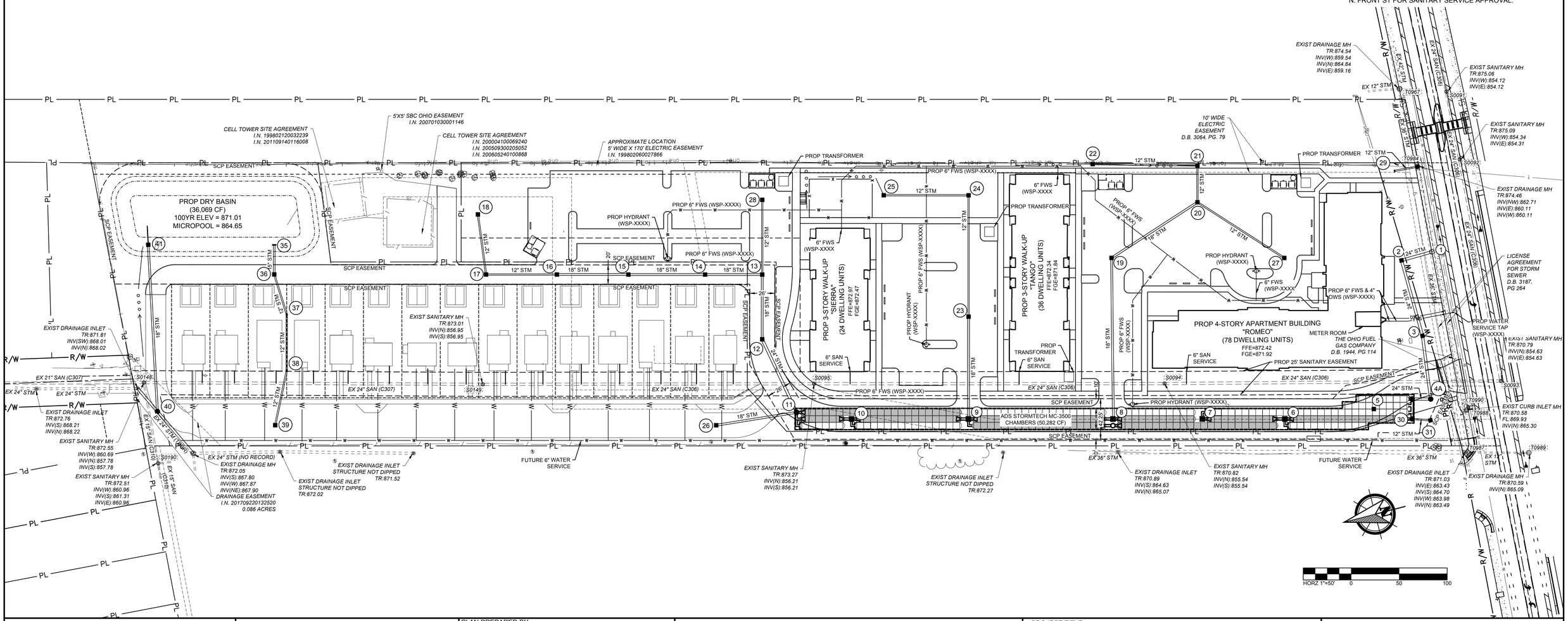
PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 10:13 AM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\032920\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.032920 GPD.DWG

UTILITY LEGEND

—SS—	SANITARY SERVICE
—W—	WATER
—DWS—	DOMESTIC WATER SERVICE
—FWS—	FIRE WATER SERVICE
STM	STORM SEWER
■	CATCH BASIN
–	HEADWALL
	FIRE HYDRANT
WV	WATER VALVE
FDC	FIRE DEPARTMENT CONNECTION

SANITARY SEWER NOTE:
CONNECTION TO SANITARY SEWER CANNOT BE MADE WITHOUT OBTAINING A PERMIT FROM SEWER PERMIT OFFICE 111 N. FRONT ST (614) 645-7490.

SANITARY SERVICES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES OR THEIR LOCATIONS. CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT ST FOR SANITARY SERVICE APPROVAL.



EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.

OVERALL UTILITY PLAN

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

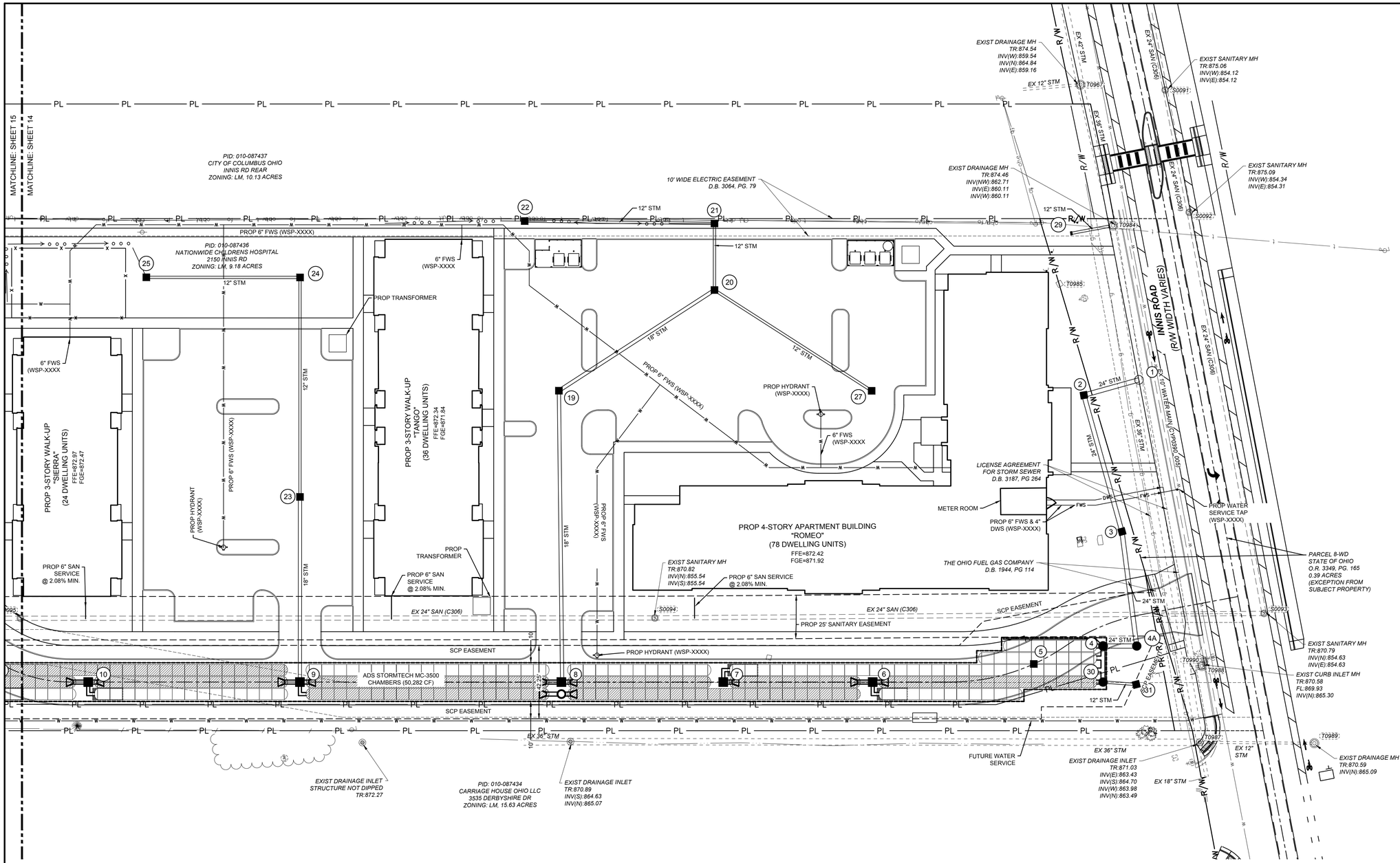
SCALE: 1" = 50'

SHEET 13 / 25

CONTRACT DRAWING NO. CC-_____

RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:47 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 OUP.DWG



UTILITY LEGEND

—SS—	SANITARY SERVICE
—W—	WATER
—DWS—	DOMESTIC WATER SERVICE
—FWS—	FIRE WATER SERVICE
STM	STORM SEWER
■	CATCH BASIN
–	HEADWALL
	FIRE HYDRANT
WV	WATER VALVE
FDC	FIRE DEPARTMENT CONNECTION

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HORZ 1"=30' 0 30 60

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UTILITY PLAN

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

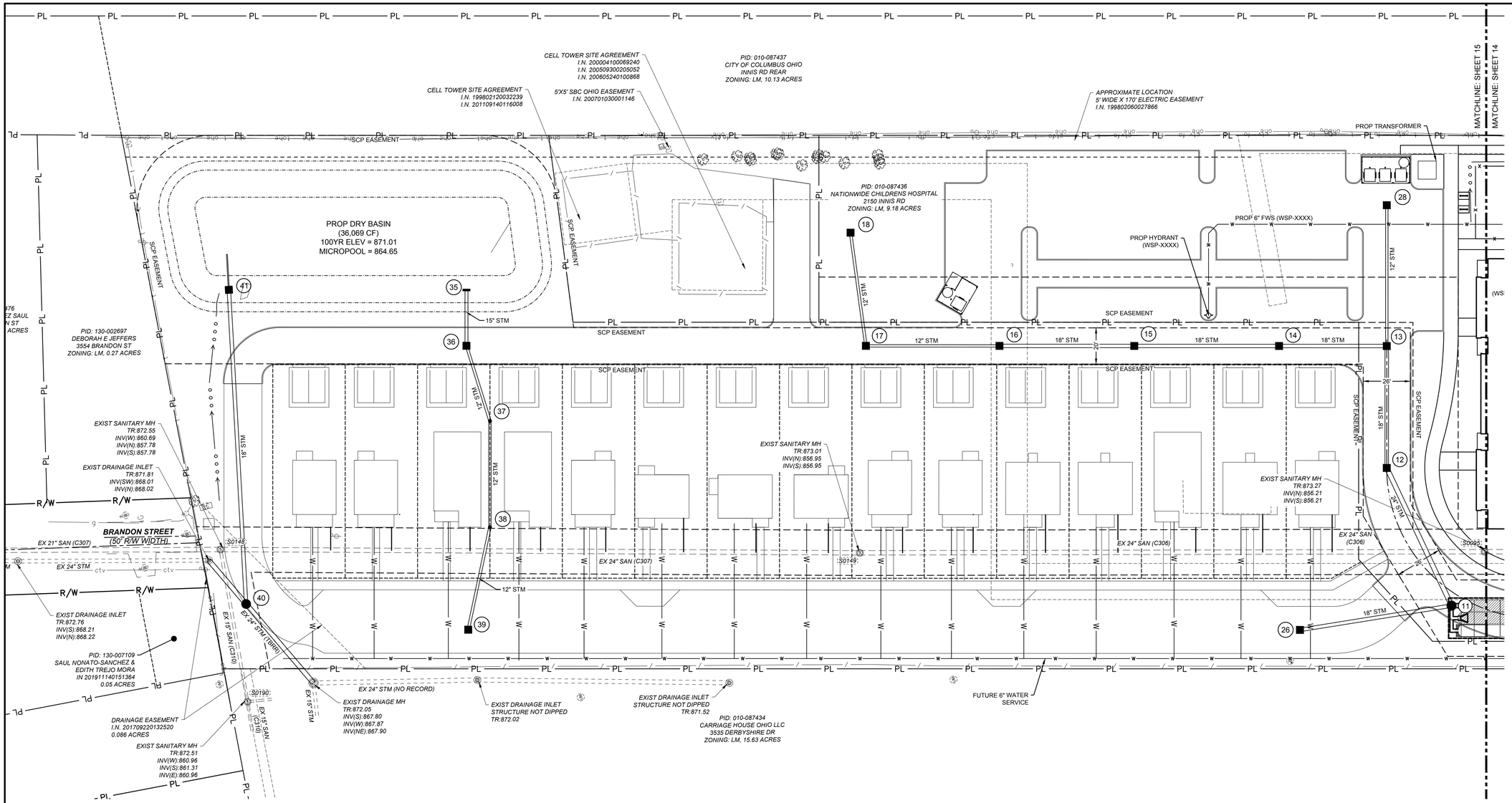
SCALE: 1" = 30'

SHEET 14 / 25

CONTRACT DRAWING NO. CC-_____

RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 1:45 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 UP.DWG



UTILITY LEGEND

—SS—	SANITARY SERVICE
—W—	WATER
—DWS—	DOMESTIC WATER SERVICE
—FWS—	FIRE WATER SERVICE
STM	STORM SEWER
■	CATCH BASIN
–	HEADWALL
	FIRE HYDRANT
WV	WATER VALVE
FDC	FIRE DEPARTMENT CONNECTION

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CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

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PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.

UTILITY PLAN

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

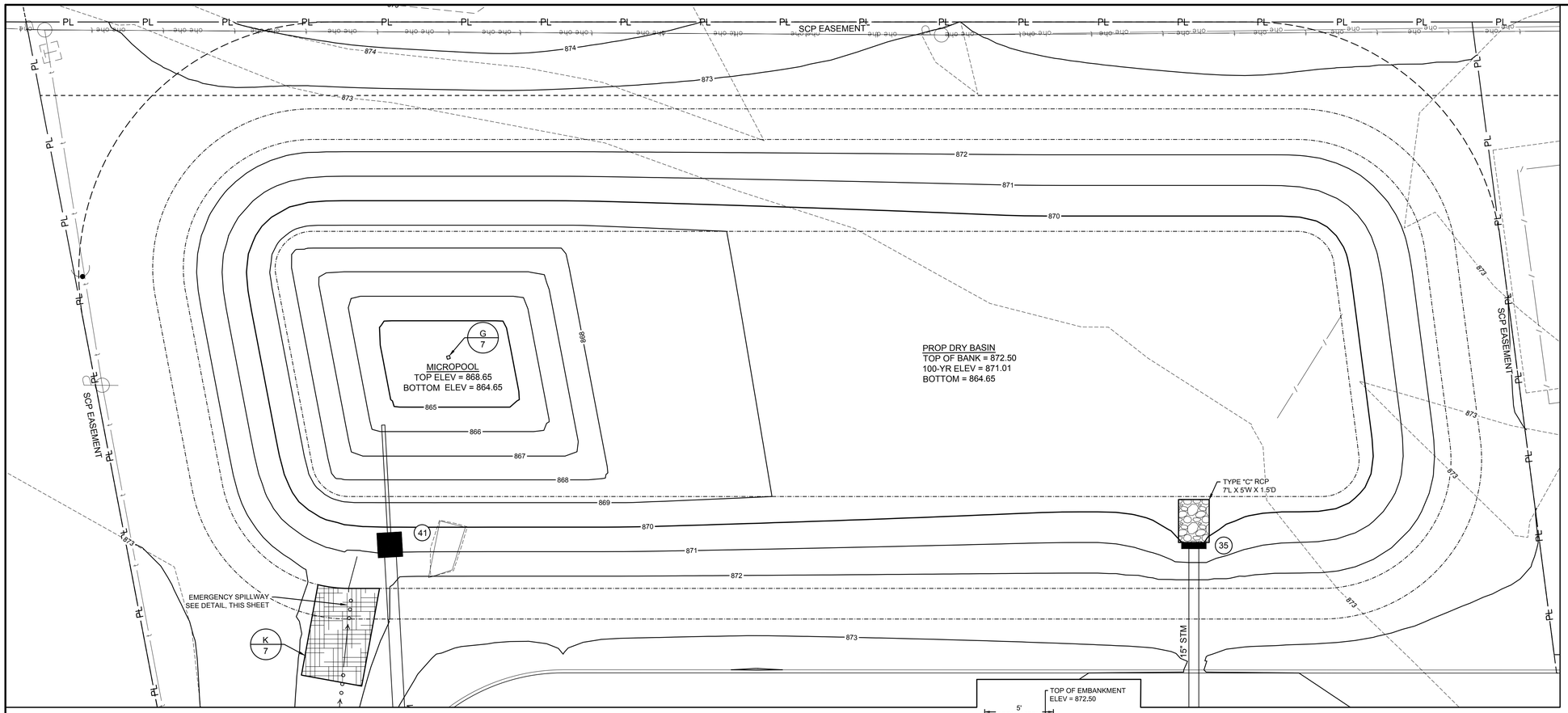
DIVISION USE ONLY

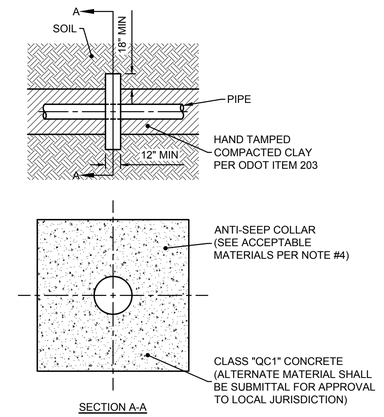
OWNER
CONTRACTOR
INSPECTOR
AGREEMENT | COMPLETED
RPD | CKD | CID | CON.DR.
INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

SCALE: 1" = 30'
SHEET 15 / 25
CONTRACT DRAWING NO.
CC-_____
RECORD PLAN NO.

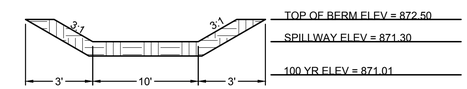




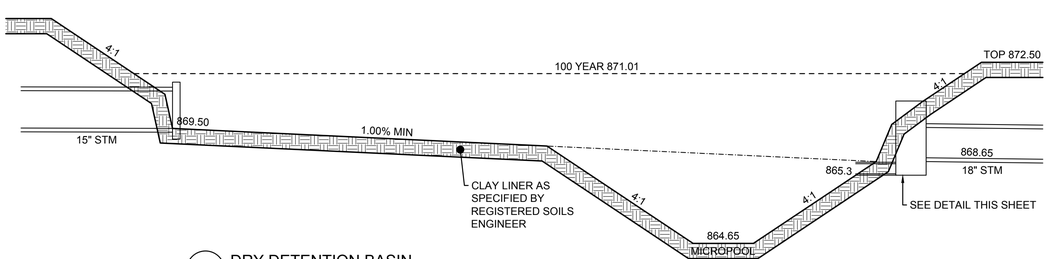
NOTES

1. SPACING BETWEEN ADJACENT COLLARS SHALL BE A MINIMUM OF 5 FEET WITH THE FIRST COLLAR BEING A MINIMUM OF 5 FEET FROM THE INLET.
2. FURNISH A MINIMUM OF 2 COLLARS PER OUTLET CONDUIT.
3. ALL ANTI-SEEP COLLARS AND THEIR CONNECTIONS SHALL BE WATERTIGHT.
4. ANTI-SEEP COLLAR SHALL BE CONSTRUCTED OF CONCRETE OR SAME MATERIAL AS THE CONDUIT. THE FOLLOWING ARE ACCEPTABLE MATERIALS:
   A. CLASS "QC1" CONCRETE
   B. STEEL
   C. CORRUGATED METAL
   D. PLASTIC

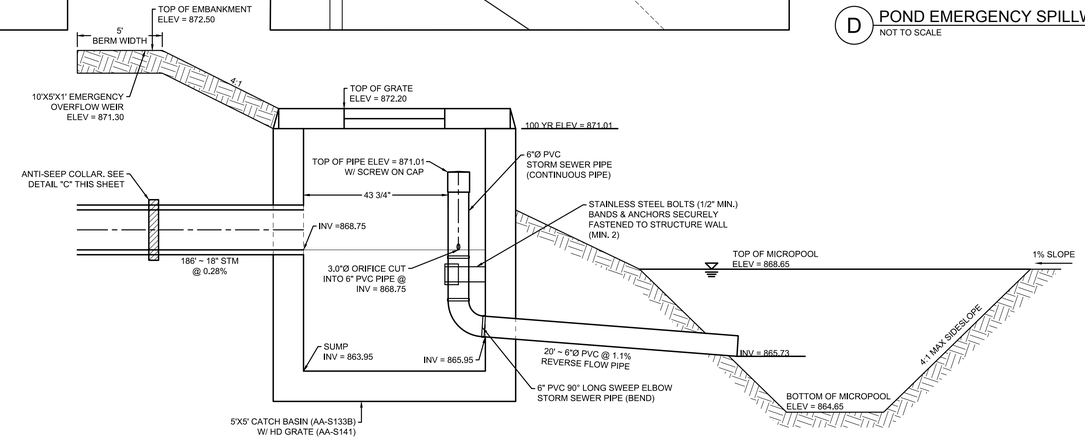
C ANTI-SEEP COLLAR
NOT TO SCALE



D POND EMERGENCY SPILLWAY
NOT TO SCALE



A DRY DETENTION BASIN
NOT TO SCALE



B DRY BASIN OUTLET AND WATER QUALITY CONTROL STRUCTURE (STRUCTURE 35)
NOT TO SCALE

HORZ 1"=10' 0 10 20

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.

BASIN DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
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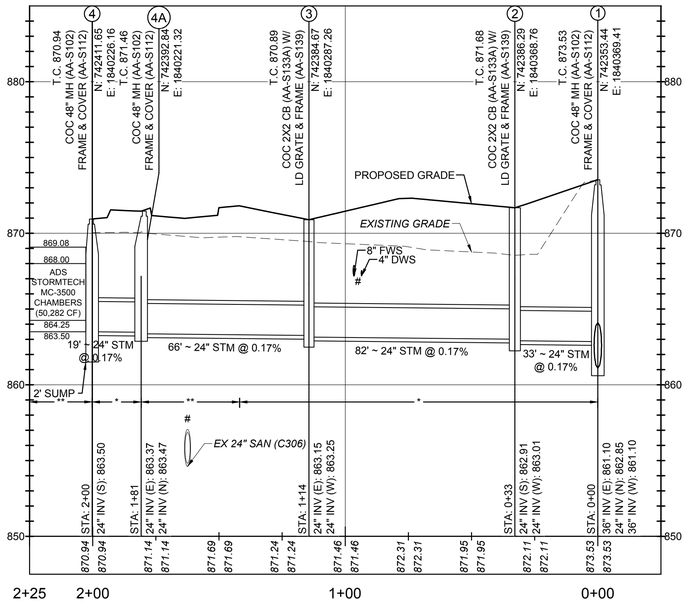
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

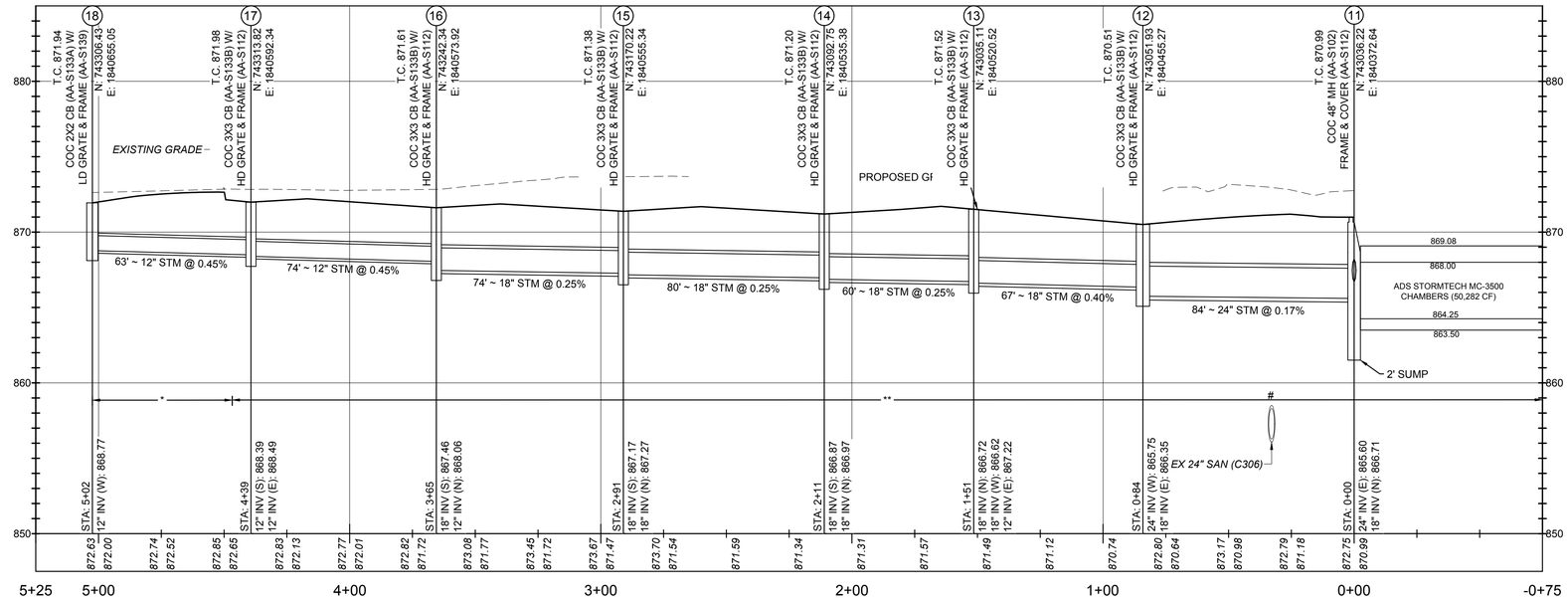
SCALE: 1" = 10'
SHEET 16 / 25
CONTRACT DRAWING NO. CC-_____
RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 2:03 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 BASIN.DWG



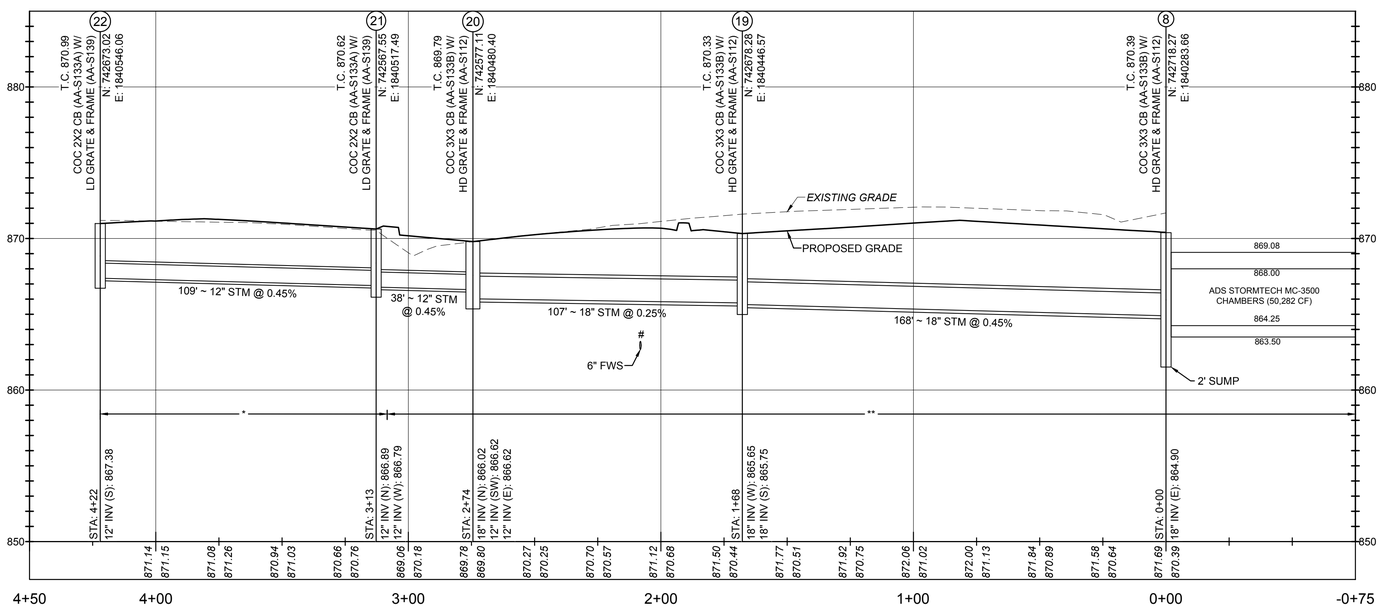
STORM SEWER PROFILE 4-1

SCALE: H:1"=30', V:1"=5'



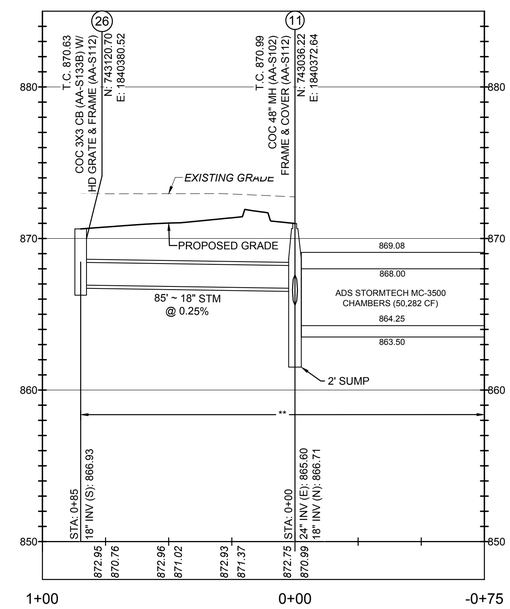
STORM SEWER PROFILE 18-11

SCALE: H:1"=30', V:1"=5'



STORM SEWER PROFILE 22-8

SCALE: H:1"=30', V:1"=5'

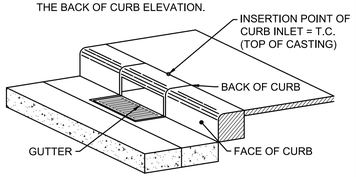


STORM SEWER PROFILE 25-11

SCALE: H:1"=30', V:1"=5'

STORM SEWER PROFILE NOTES:

1. PROFILE VERTICAL DATUM NAVD '88.
2. ALL STORM STRUCTURES ARE COC STANDARD STRUCTURES UNLESS OTHERWISE NOTED.
3. MAINTAIN A MINIMUM OF 18" VERTICAL AND 10' HORIZONTAL CLEARANCE FROM WATERLINES.
4. ALL BACKFILL SHALL BE COMPACTED TO THE DENSITY OF THE EXISTING GROUND UNLESS OTHERWISE NOTED:
   * COMPACTED BACKFILL PER COC CMS ITEM 911
   ** COMPACTED GRANULAR BACKFILL PER COC CMS ITEM 912
5. ALL FILLS ARE TO BE PLACED A MINIMUM OF 2.5' ABOVE THE PROPOSED STORM SEWER PER ODOT CMS ITEM 203 PRIOR TO THE START OF STORM SEWER CONSTRUCTION. HATCH BELOW FOR REFERENCE.
6. ALL STORM STRUCTURES WITHIN PAVEMENT LIMITS SHALL HAVE HEAVY DUTY TRAFFIC RATED GRATES.
7. PIPE RUNS DENOTED WITH A (++) ARE TO HAVE SANITARY GRADE JOINTS WITH GASKETS PER COC CMS 901.15.
8. NORTHING AND EASTING OF CURB AND GUTTER INLETS ARE IN REFERENCE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
9. T.C. (TOP OF CASTING) ELEVATION AND LOCATION FOR ALL CURB AND GUTTER INLETS IS IN REFERENCE TO THE BACK OF CURB ELEVATION.



VERT 1"=5' 0 5 10
HORZ 1"=30' 0 30 60

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

STORM PROFILES

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

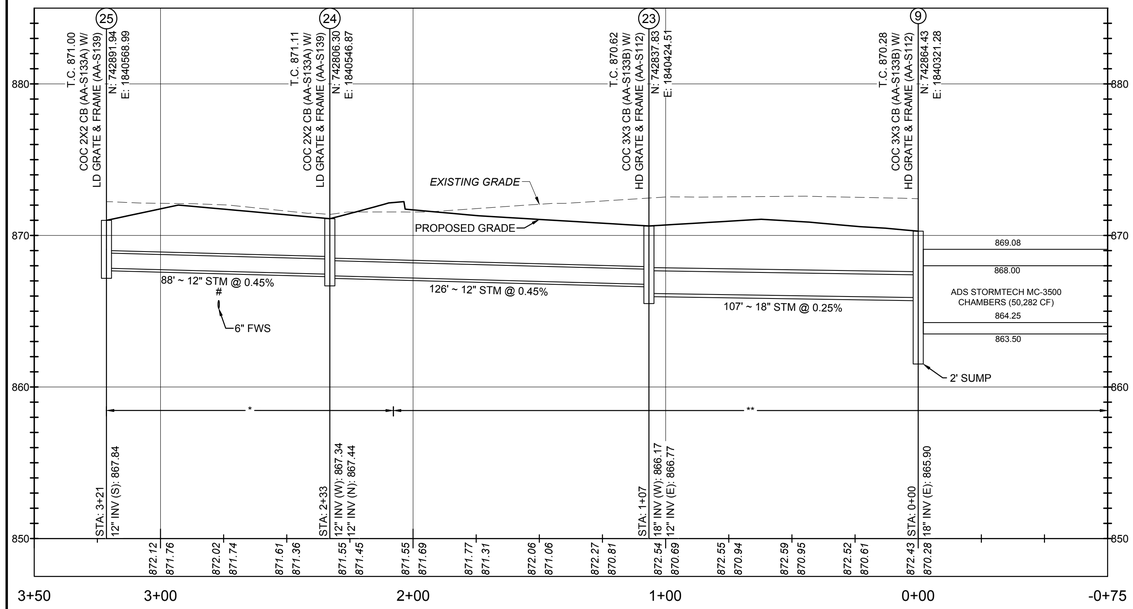
SCALE: 1" = 30' HORZ
1" = 5' VERT

SHEET 17 / 25

CONTRACT DRAWING NO. CC-_____

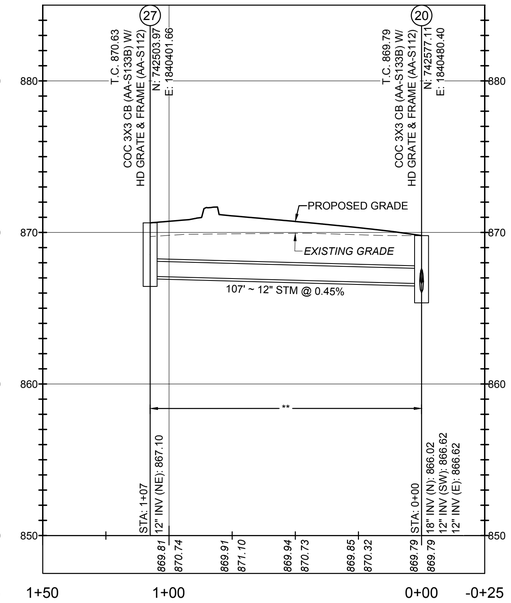
RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 2:12 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 PRF.DWG



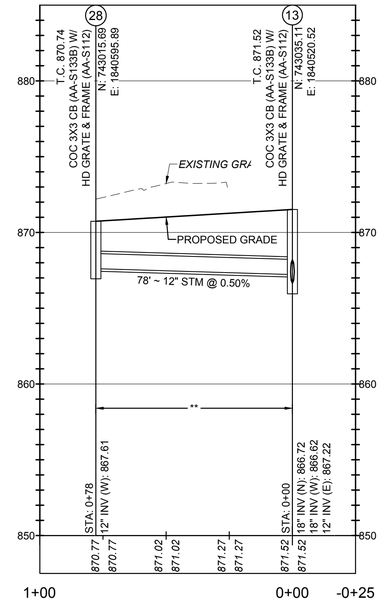
STORM SEWER PROFILE 25-9

SCALE: H:1"=30', V:1"=5'



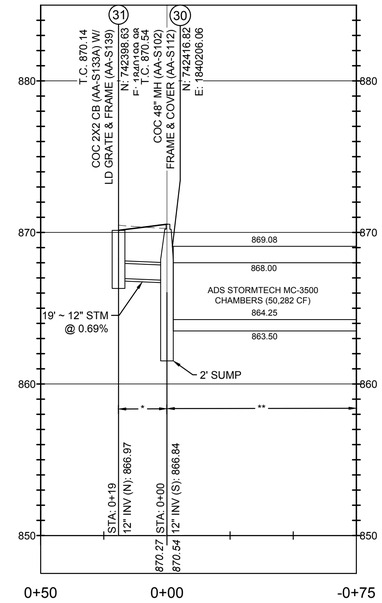
STORM SEWER PROFILE 27-20

SCALE: H:1"=30', V:1"=5'



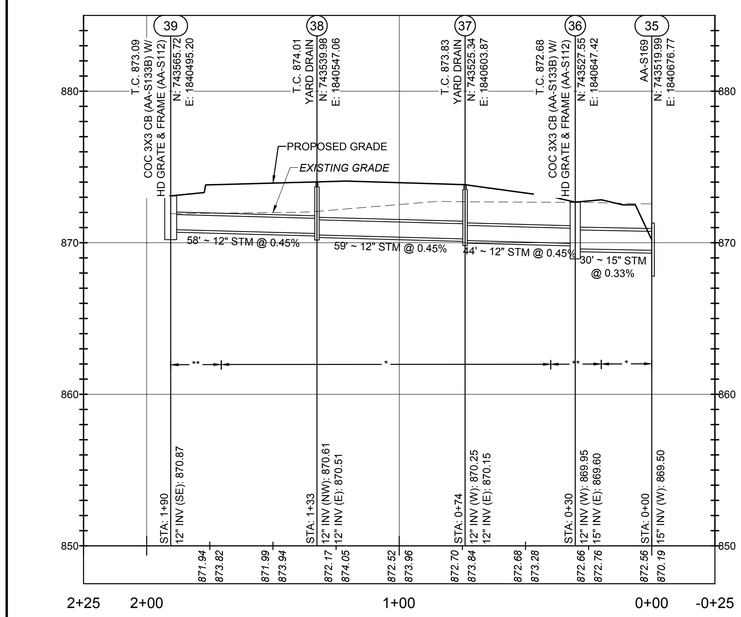
STORM SEWER PROFILE 28-13

SCALE: H:1"=30', V:1"=5'



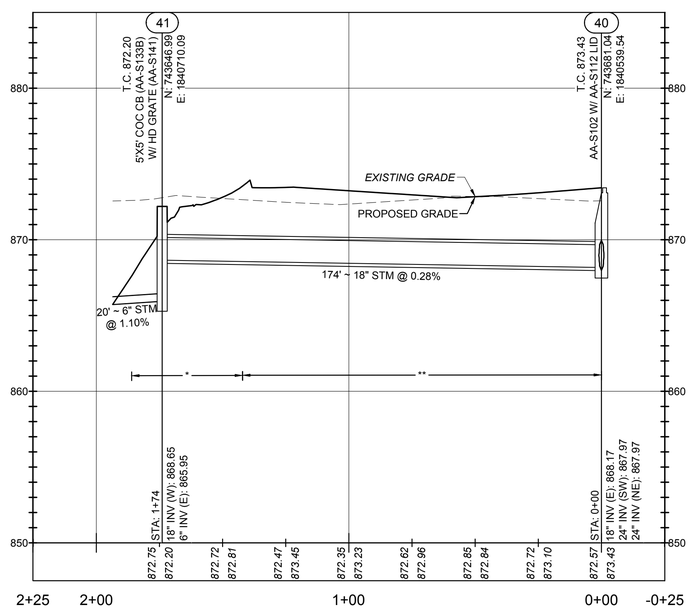
STORM SEWER PROFILE 31-30

SCALE: H:1"=30', V:1"=5'



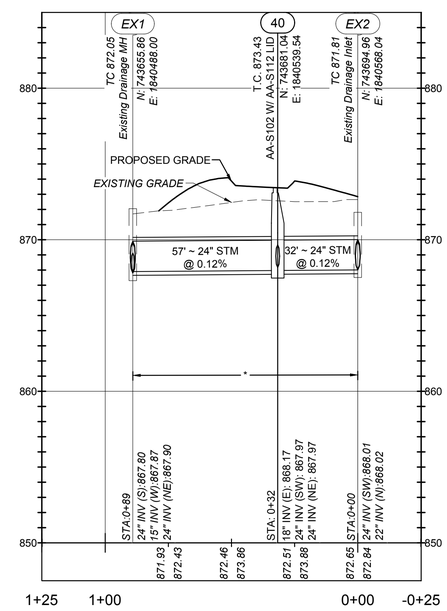
STORM SEWER PROFILE 39-35

SCALE: H:1"=30', V:1"=5'



STORM SEWER PROFILE 42-41

SCALE: H:1"=30', V:1"=5'



STORM SEWER PROFILE EX PIPE REPLACEMENT

SCALE: H:1"=30', V:1"=5'

STORM SEWER PROFILE NOTES:

1. PROFILE VERTICAL DATUM NAVD '88.
2. ALL STORM STRUCTURES ARE COC STANDARD STRUCTURES UNLESS OTHERWISE NOTED.
3. MAINTAIN A MINIMUM OF 18" VERTICAL AND 10' HORIZONTAL CLEARANCE FROM WATERLINES.
4. ALL BACKFILL SHALL BE COMPACTED TO THE DENSITY OF THE EXISTING GROUND UNLESS OTHERWISE NOTED:
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   ** COMPACTED GRANULAR BACKFILL PER COC CMS ITEM 912
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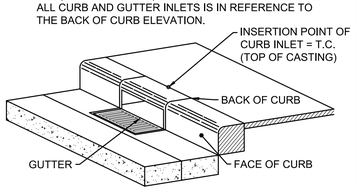
6. ALL STORM STRUCTURES WITHIN PAVEMENT LIMITS SHALL HAVE HEAVY DUTY TRAFFIC RATED GRATES.
7. PIPE RUNS DENOTED WITH A (++) ARE TO HAVE SANITARY GRADE JOINTS WITH GASKETS PER COC CMS 901.15.
8. NORTHING AND EASTING OF CURB AND GUTTER INLETS ARE IN REFERENCE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
9. T.C. (TOP OF CASTING) ELEVATION AND LOCATION FOR ALL CURB AND GUTTER INLETS IS IN REFERENCE TO THE BACK OF CURB ELEVATION.



VERT 1"=5' 0 5 10
HORZ 1"=30' 0 30 60

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

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STORM PROFILES

PROJECT TITLE:
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FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

SCALE: 1" = 30' HORZ
1" = 5' VERT

SHEET 18 / 25

CONTRACT DRAWING NO.
CC-_____

RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 2:12 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\0329\2D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 PRF.DWG

STORM SEWER STRUCTURE TABLE								
STR. NO	STRUCTURE TYPE	TOP OF CASTING	INVERTS	NORTHING	EASTING	AS-BUILT TOP OF CASTING	AS-BUILT NORTHING	AS-BUILT NORTHING
1	COC 48" MH (AA-S102) FRAME & COVER (AA-S112)	873.53	36" INV (E): 861.10 24" INV (N): 862.85 36" INV (W): 861.10	742353.44	1840369.41			
2	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	871.68	24" INV (W): 863.01 24" INV (S) 862.91	742386.29	1840368.76			
3	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	870.89	24" INV (W): 863.25 24" INV (E) 863.15	742384.67	1840287.26			
4A	COC 48" MH (AA-S102) FRAME & COVER (AA-S112)	871.46	24" INV (N): 863.47 24" INV (E) 863.37	742392.84	1840221.32			
4	COC 48" MH (AA-S102) FRAME & COVER (AA-S112)	870.94	24" INV (S) 863.50	742411.65	1840226.16			
6	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.39		742545.21	1840239.11			
7	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.43		742628.43	1840260.53			
8	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.39	18" INV (E): 864.90	742718.27	1840283.66			
9	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.28	18" INV (E): 865.90	742864.43	1840321.28			
10	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.33		742982.22	1840351.59			
11	COC 48" MH (AA-S102) FRAME & COVER (AA-S112)	870.99	24" INV (E): 865.60 18" INV (N): 866.71	743036.22	1840372.64			
12	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.51	18" INV (E): 866.35 24" INV (W) 865.75	743051.93	1840455.27			
13	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	871.52	18" INV (N): 866.72 12" INV (E): 867.22 18" INV (W) 866.62	743035.11	1840520.52			
14	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	871.20	18" INV (N): 866.97 18" INV (S) 866.87	743092.75	1840535.38			
15	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	871.38	18" INV (N): 867.27 18" INV (S) 867.17	743170.22	1840555.34			
16	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	871.61	12" INV (N): 868.06 18" INV (S) 867.46	743242.34	1840573.92			
17	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	871.98	12" INV (E): 868.49 12" INV (S) 868.39	743313.82	1840592.34			
18	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	871.94	12" INV (W) 868.77	743306.43	1840655.05			
19	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.33	18" INV (S): 865.75 18" INV (W) 865.65	742678.28	1840446.57			
20	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	869.79	12" INV (SW): 866.62 12" INV (E): 866.62 18" INV (N) 866.02	742577.11	1840480.40			
21	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	870.62	12" INV (N): 866.89 12" INV (W) 866.79	742567.55	1840517.49			
22	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	870.99	12" INV (S) 867.38	742673.02	1840546.06			
23	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.62	12" INV (E): 866.77 18" INV (W) 866.17	742837.83	1840424.51			
24	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	871.11	12" INV (N): 867.44 12" INV (W) 867.34	742806.30	1840546.87			
25	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	871.00	12" INV (S) 867.84	742891.94	1840568.99			
26	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.63	18" INV (S) 866.93	743120.70	1840380.52			
27	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.63	12" INV (NE) 867.10	742503.97	1840401.66			
28	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	870.74	12" INV (W) 867.61	743015.69	1840595.89			
30	COC 48" MH (AA-S102) FRAME & COVER (AA-S112)	870.54	12" INV (S): 866.84	742416.82	1840206.06			
31	COC 2X2 CB (AA-S133A) W/ LD GRATE & FRAME (AA-S139)	870.14	12" INV (N) 866.97	742398.63	1840199.98			

STORM SEWER STRUCTURE TABLE								
STR. NO	STRUCTURE TYPE	TOP OF CASTING	INVERTS	NORTHING	EASTING	AS-BUILT TOP OF CASTING	AS-BUILT NORTHING	AS-BUILT NORTHING
35	AA-S169	872.55	15" INV (W): 869.50	743519.99	1840676.77			
36	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	872.68	12" INV (W): 869.95 15" INV (E) 869.60	743527.55	1840647.42			
37	YARD DRAIN	873.83	12" INV (W): 870.25 12" INV (E) 870.15	743525.34	1840603.87			
38	YARD DRAIN	874.01	12" INV (NW): 870.61 12" INV (E) 870.51	743539.98	1840547.06			
39	COC 3X3 CB (AA-S133B) W/ HD GRATE & FRAME (AA-S112)	873.09	12" INV (SE) 870.87	743565.72	1840495.20			
40	AA-S102 W/ AA-S112 LID	873.43	18" INV (E): 868.17 24" INV (SW): 867.97 24" INV (NE) 867.97	743681.04	1840539.54			
41	5'X5' COC CB (AA-S133B) W/ HD GRATE (AA-S141)	872.20	18" INV (W) 868.65 6" INV (E) 865.95	743646.99	1840710.09			

PIPE DATA TABLE (OHIO SOUTH ZONE-HORIZ REF DATUM EQUALS NAD83 2011 ADJUSTMENT)					
START STRUCTURE	END STRUCTURE	LENGTH	BEARING	AS-BUILT LENGTH	AS-BUILT BEARING
41		20	S78° 42' 39.12"E		
41	40	174	N78° 42' 39.12"W		
40		32	N63° 55' 54.65"E		
39	38	58	S63° 36' 25.66"E		
38	37	59	S75° 32' 59.95"E		
37	36	44	N87° 05' 51.92"E		
36	35	30	S75° 33' 40.86"E		
31	30	19	N18° 29' 02.77"E		
28	13	78	N75° 33' 00.00"W		
27	20	107	N47° 06' 43.88"E		
26	11	85	S05° 19' 55.56"W		
25	24	88	S14° 28' 47.21"W		
24	23	126	N75° 33' 00.13"W		
23	9	107	N75° 33' 00.00"W		
22	21	109	S15° 09' 30.27"W		
21	20	38	N75° 33' 04.10"W		
20	19	107	N18° 29' 16.45"W		
19	8	168	N76° 12' 22.59"W		
18	17	63	N83° 17' 12.78"W		
17	16	74	S14° 27' 00.57"W		
16	15	74	S14° 27' 00.62"W		
15	14	80	S14° 27' 00.60"W		
14	13	60	S14° 27' 00.46"W		
13	12	67	N75° 33' 00.00"W		
12	11	84	S79° 14' 08.22"W		
4A	3	66	S82° 55' 56.33"E		
4	4A	19	S14° 26' 03.99"W		
3	2	82	N88° 51' 31.61"E		
2	1	33	S01° 08' 28.39"E		
	40	57	N63° 58' 05.10"E		

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CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

AMERICAN STRUCTUREPOINT INC.

STORM PROFILES

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY

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INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: 1" = 30' HORZ
1" = 5' VERT

SHEET 18 / 25

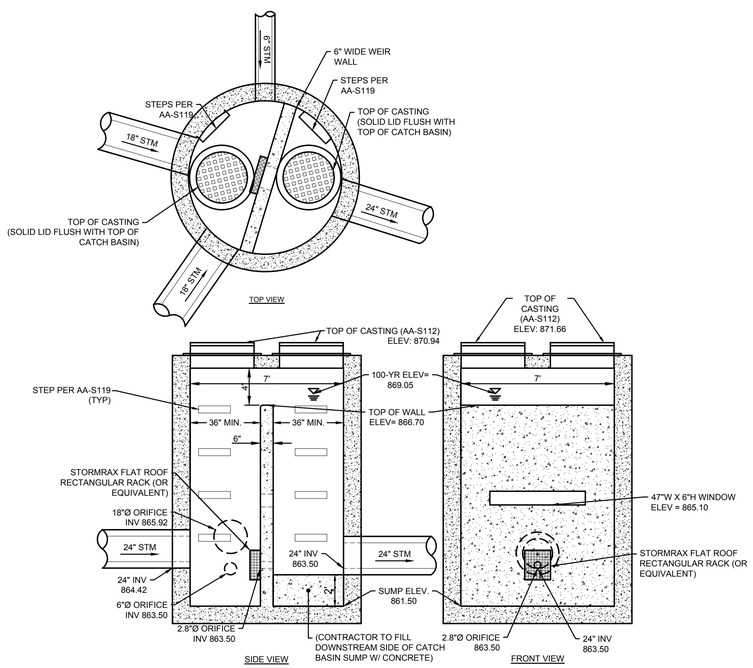
CONTRACT DRAWING NO.
CC-_____

RECORD PLAN NO.

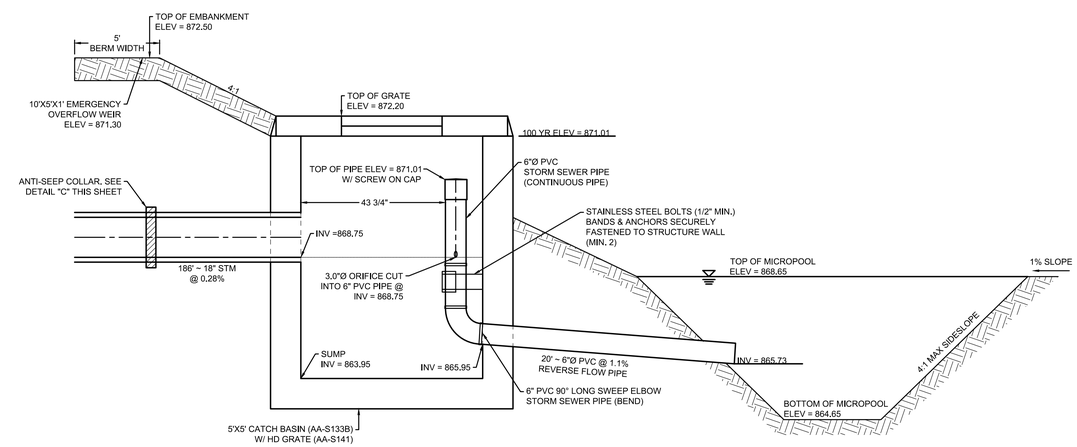
PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 2:12 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022 03292 PRF.DWG

SCP ESTIMATE OF QUANTITIES - SOUTH DETENTION			
THESE QUANTITIES HAVE BEEN PROVIDED ONLY AS AN ESTIMATE TO THE SCOPE OF THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO EVALUATE THE COMPLETE PROJECT AS DETAILED IN THE NOTES, PLANS, AND SPECIFICATIONS AND PROCEDURES NECESSARY FOR THE COMPLETION OF THE PLAN IMPROVEMENTS AND SUBMIT HIS TOTAL PROJECT COST ACCORDINGLY.			
ITEM	QUANTITY	UNIT	DESCRIPTION
201	1	LS	CLEARING AND GRUBBING
203	1,734	CY	EXCAVATION (FOR UNDERGROUND DETENTION)
602	1	EA	12" HW (AA-S168)
604	3	EA	TYPE 48" MANHOLE (AA-S102) W/ SOLID LID (AA-S112)
604	1	EA	MODIFIED COC MANHOLE (AA-S102) 72" W/ FRAME AND GRATE (AA-S111)
604	28	EA	3'X3' CATCH BASIN (AA-S133B) W/ HEAVY DUTY GRATE (AA-S141)
901	728	LF	12" STORM SEWER PIPE, TYPE 1 BEDDING
901	747	LF	18" STORM SEWER PIPE, TYPE 1 BEDDING
901	284	LF	24" STORM SEWER PIPE, TYPE 1 BEDDING
SPEC	1	LS	STORMTECH MC-3500 UNDERGROUND DETENTION (244 CHAMBERS, 38 END CAPS)
SPEC	1	EA	WEIR WALL
CALCULATED BY: AMS DATE: 8/2/2026 CHECKED BY: MJL DATE: 8/2/2026			

SCP ESTIMATE OF QUANTITIES - NORTH DETENTION			
THESE QUANTITIES HAVE BEEN PROVIDED ONLY AS AN ESTIMATE TO THE SCOPE OF THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO EVALUATE THE COMPLETE PROJECT AS DETAILED IN THE NOTES, PLANS, AND SPECIFICATIONS AND PROCEDURES NECESSARY FOR THE COMPLETION OF THE PLAN IMPROVEMENTS AND SUBMIT HIS TOTAL PROJECT COST ACCORDINGLY.			
ITEM	QUANTITY	UNIT	DESCRIPTION
201	1	LS	CLEARING AND GRUBBING
207	1,300	CY	EXCAVATION (FOR DRY DETENTION BASIN)
602	1	EA	15" HW (AA-S168)
604	1	EA	TYPE 48" MANHOLE (AA-S102) W/ SOLID LID (AA-S112)
604	2	EA	3'X3' CATCH BASIN (AA-S133B) W/ HEAVY DUTY GRATE (AA-S141)
604	1	EA	MODIFIED 4'X4' CATCH BASIN (AA-S133B) W/ HEAVY DUTY GRATE (AA-S141)
901	5	LF	6" STORM SEWER PIPE, TYPE 1 BEDDING
901	192	LF	12" STORM SEWER PIPE, TYPE 1 BEDDING
901	30	LF	15" STORM SEWER PIPE, TYPE 1 BEDDING
SPEC	1	EA	WEIR WALL
SPEC	2	EA	NYOPLAST AREA DRAIN
CALCULATED BY: AMS DATE: 8/2/2026 CHECKED BY: MJL DATE: 8/2/2026			



A OUTLET STRUCTURE DETAIL - MODIFIED AA-S102 MH - STRUCTURE (4)
NOT TO SCALE



B DRY BASIN OUTLET AND WATER QUALITY CONTROL STRUCTURE (STRUCTURE 35)
NOT TO SCALE

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

OUTLET STRUCTURE DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

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CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 2:12 PM EDITED BY: ASAKEMILLER DRAWING FILE: O:\2022\03292\D_DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 PRF.DWG

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

ADS
Advanced Drainage Systems, Inc.

ADS SiteAssist™
FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR APP

INNIS RD DEVELOPMENT

COLUMBUS, OH, USA

MC-3500 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MC-3500 & MC-4500 STORMTECH CHAMBER INSTALLATION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MC-3500 & MC-4500 STORMTECH CHAMBER INSTALLATION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "MC-3500 & MC-4500 STORMTECH CHAMBER INSTALLATION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "MC-3500 & MC-4500 STORMTECH CHAMBER INSTALLATION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT ADS WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

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PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 9:13 AM EDITED BY: MLILIE DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 UGD.DWG

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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UNDERGROUND DETENTION DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: N/A

SHEET 21 / 25

CONTRACT DRAWING NO. CC-_____

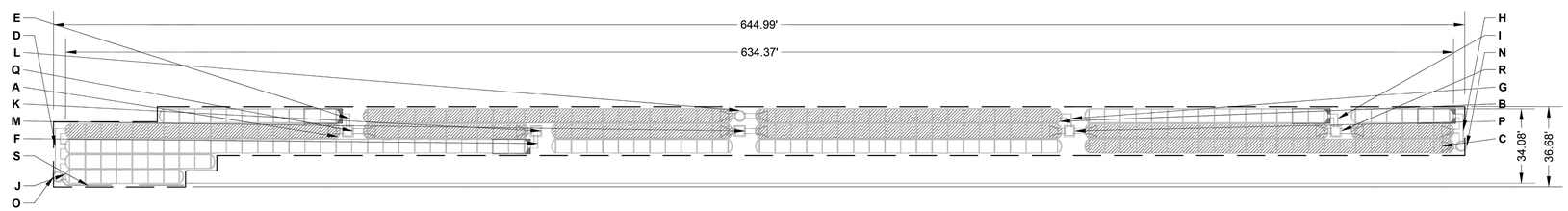
RECORD PLAN NO.

PROPOSED LAYOUT	
250	STORMTECH MC-3500 CHAMBERS
34	STORMTECH MC-3500 END CAPS
13	STONE ABOVE (in)
9	STONE BELOW (in)
40	STONE VOID
50282	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)
14993	SYSTEM AREA (SF)
1363.3	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS	
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	876.00
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	870.00
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	869.50
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	869.50
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	869.50
TOP OF STONE:	869.08
TOP OF MC-3500 CHAMBER:	868.00
18" x 18" TOP MANIFOLD INVERT:	865.92
24" x 24" BOTTOM MANIFOLD INVERT:	864.42
24" ISOLATOR ROW PLUS INVERT:	864.42
24" BOTTOM CONNECTION INVERT:	864.42
BOTTOM OF MC-3500 CHAMBER:	864.25
UNDERDRAIN INVERT:	863.50
BOTTOM OF STONE:	863.50

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED END CAP	A	24" BOTTOM PRE-CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS		
PREFABRICATED END CAP	B	18" TOP PRE-CORED END CAP, PART#: MC3500IEPP18TC / TYP OF ALL 18" TOP CONNECTIONS		
FLAMP	C	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP (TYP 13 PLACES)		
MANIFOLD	D	24" x 24" BOTTOM MANIFOLD, ADS N-12	2.06"	
MANIFOLD	E	18" x 18" TOP MANIFOLD, ADS N-12	20.03"	
MANIFOLD	F	18" x 18" TOP MANIFOLD, ADS N-12	20.03"	
MANIFOLD	G	18" x 18" TOP MANIFOLD, ADS N-12	20.03"	
MANIFOLD	H	18" x 18" TOP MANIFOLD, ADS N-12	20.03"	
MANIFOLD	I	18" x 18" TOP MANIFOLD, ADS N-12	20.03"	
PIPE CONNECTION	J	24" BOTTOM CONNECTION	2.06"	
CONCRETE STRUCTURE	K	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		5.5 CFS IN
CONCRETE STRUCTURE	L	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		
CONCRETE STRUCTURE	M	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		
CONCRETE STRUCTURE	N	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		11.0 CFS IN
CONCRETE STRUCTURE	O	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		14.0 CFS OUT
CONCRETE STRUCTURE	P	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		5.5 CFS IN
CONCRETE STRUCTURE	Q	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		5.5 CFS IN
CONCRETE STRUCTURE	R	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		5.5 CFS IN
UNDERDRAIN	S	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		



ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 17.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- **NOT FOR CONSTRUCTION**: THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

INNIS RD DEVELOPMENT
COLUMBUS, OH, USA
DATE: 07/29/2026 DRAWN: ML
PROJECT #: CHECKED: N/A

DATE	DWN	CHK

StormTech®
Chamber System

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0 50 100

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SHEET 2 OF 5

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UNDERGROUND DETENTION DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

DIVISION USE ONLY

SCALE: N/A | SHEET 22 / 25

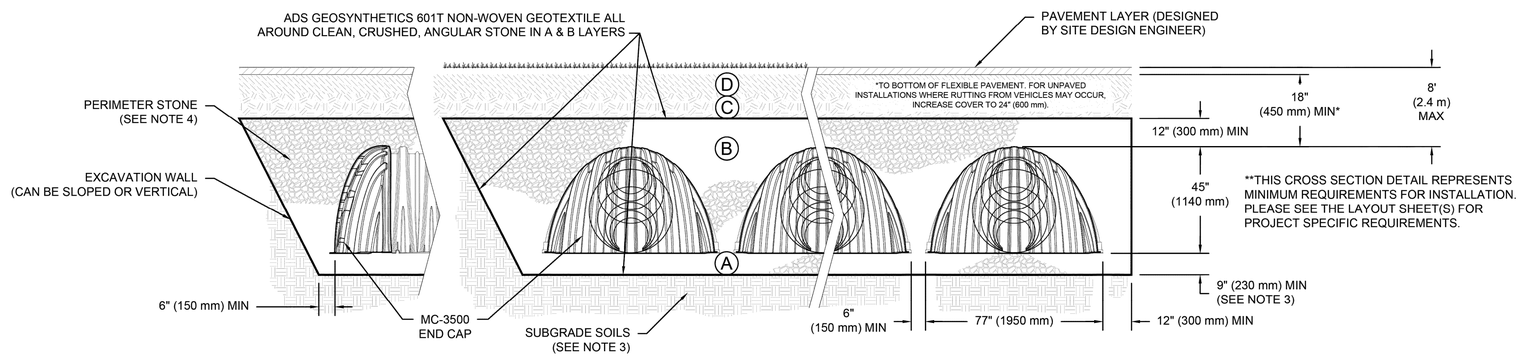
CONTRACT DRAWING NO. CC-_____ | RECORD PLAN NO.

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 9:13 AM EDITED BY: MLILIE DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 UGD.DWG

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DESCRIPTION REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

INNIS RD DEVELOPMENT
COLUMBUS, OH, USA
DATE: 07/29/2026 DRAWN: ML
PROJECT #: CHECKED: N/A

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StormTech® Chamber System

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SHEET 3 OF 5

PLOT SCALE: 1:1 EDIT DATE: 8/3/26 - 9:13 AM EDITED BY: MLILLE DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 UGD.DWG

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UNDERGROUND DETENTION DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

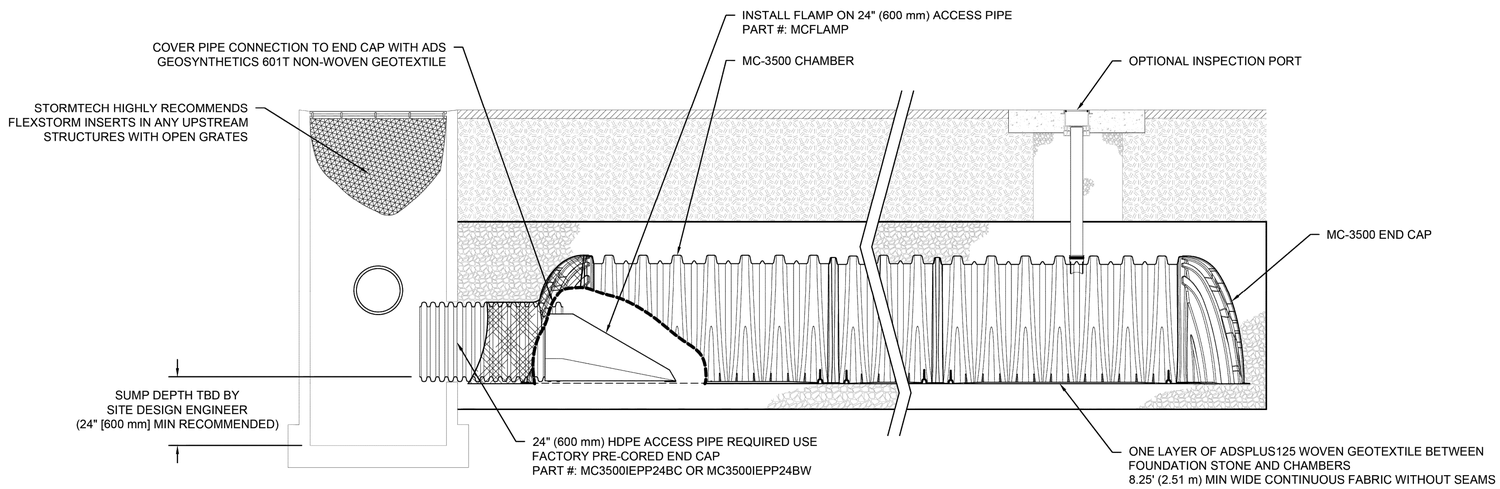
DIVISION USE ONLY

SCALE: N/A

SHEET 23 / 25

CONTRACT DRAWING NO. CC-_____

RECORD PLAN NO.



MC-3500 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

INNIS RD DEVELOPMENT
COLUMBUS, OH, USA
DATE: 07/29/2026 DRAWN: ML
PROJECT #: CHECKED: N/A

DATE	DWN	CHK

StormTech® Chamber System

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SHEET
4 OF 5

PLOT SCALE: 1:1 EDIT DATE: 8/8/26 - 9:13 AM EDITED BY: MLILIE DRAWING FILE: O:\2022\03292\D. DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\CC STORM\2022.03292 UGD.DWG

EASEMENT REFERENCE			
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PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UNDERGROUND DETENTION DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: N/A

SHEET 24 / 25

CONTRACT DRAWING NO.
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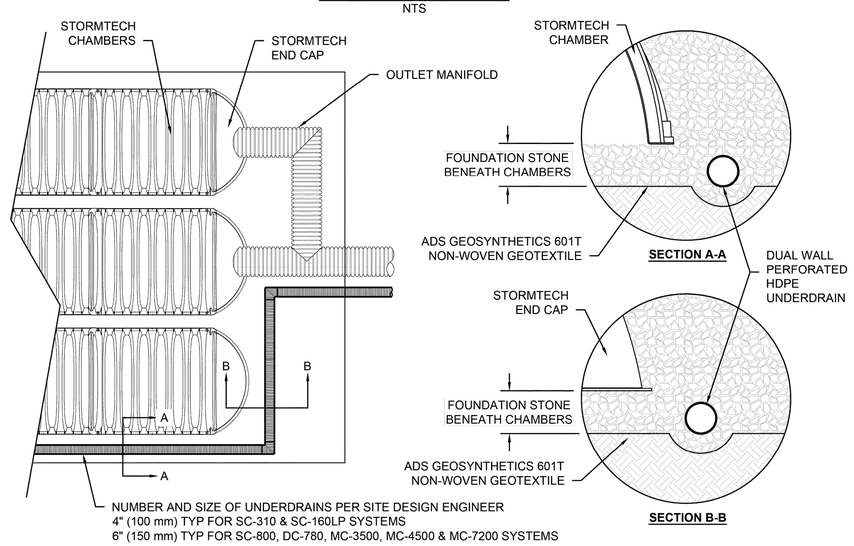
RECORD PLAN NO.

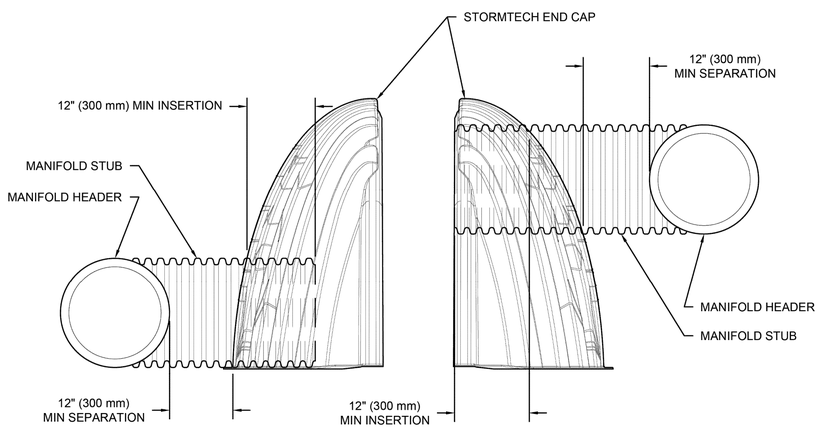
UNDERDRAIN DETAIL

NTS



MC-SERIES END CAP INSERTION DETAIL

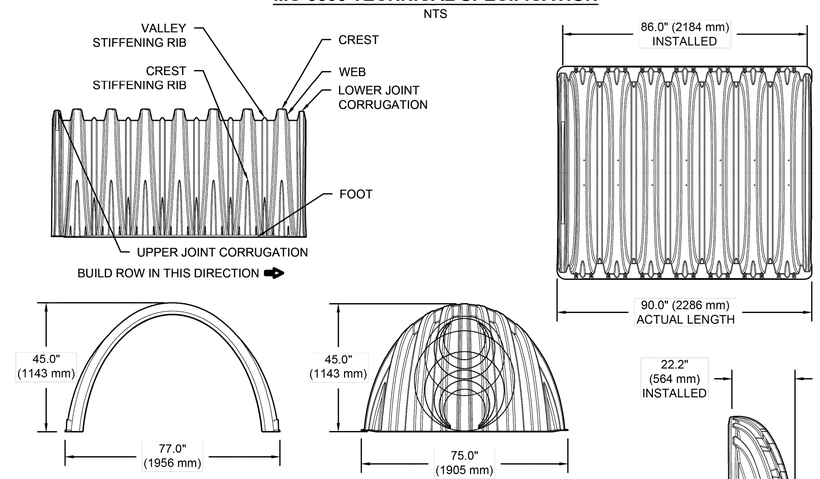
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET	(4.96 m³)
WEIGHT	134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS

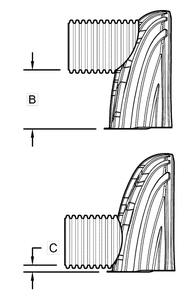
SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET	(1.28 m³)
WEIGHT	49 lbs.	(22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B		---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B		---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B		---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B		---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B		---	1.50" (38 mm)
MC3500IEPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500IEPP18TW			
MC3500IEPP18BC		---	1.77" (45 mm)
MC3500IEPP18BW			
MC3500IEPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP24TW			
MC3500IEPP24BC		---	2.06" (52 mm)
MC3500IEPP24BW			
MC3500IEPP30BC	30" (750 mm)	---	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

INNIS RD DEVELOPMENT
COLUMBUS, OH, USA
DATE: 07/29/2026
DRAWN: ML
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CHECKED: N/A

DATE	DWN	CHK

StormTech® Chamber System

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SHEET 5 OF 5

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PLAN PREPARED BY: AMERICAN STRUCTUREPOINT INC.

UNDERGROUND DETENTION DETAILS

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
INNIS APARTMENTS
2150 INNIS ROAD
COLUMBUS, FRANKLIN COUNTY, OHIO

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER RECLAMATION

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SCALE: N/A | SHEET 25 / 25

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