

PACE AIR FREIGHT HQ INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

10/18/2024



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PROJECT TEAM



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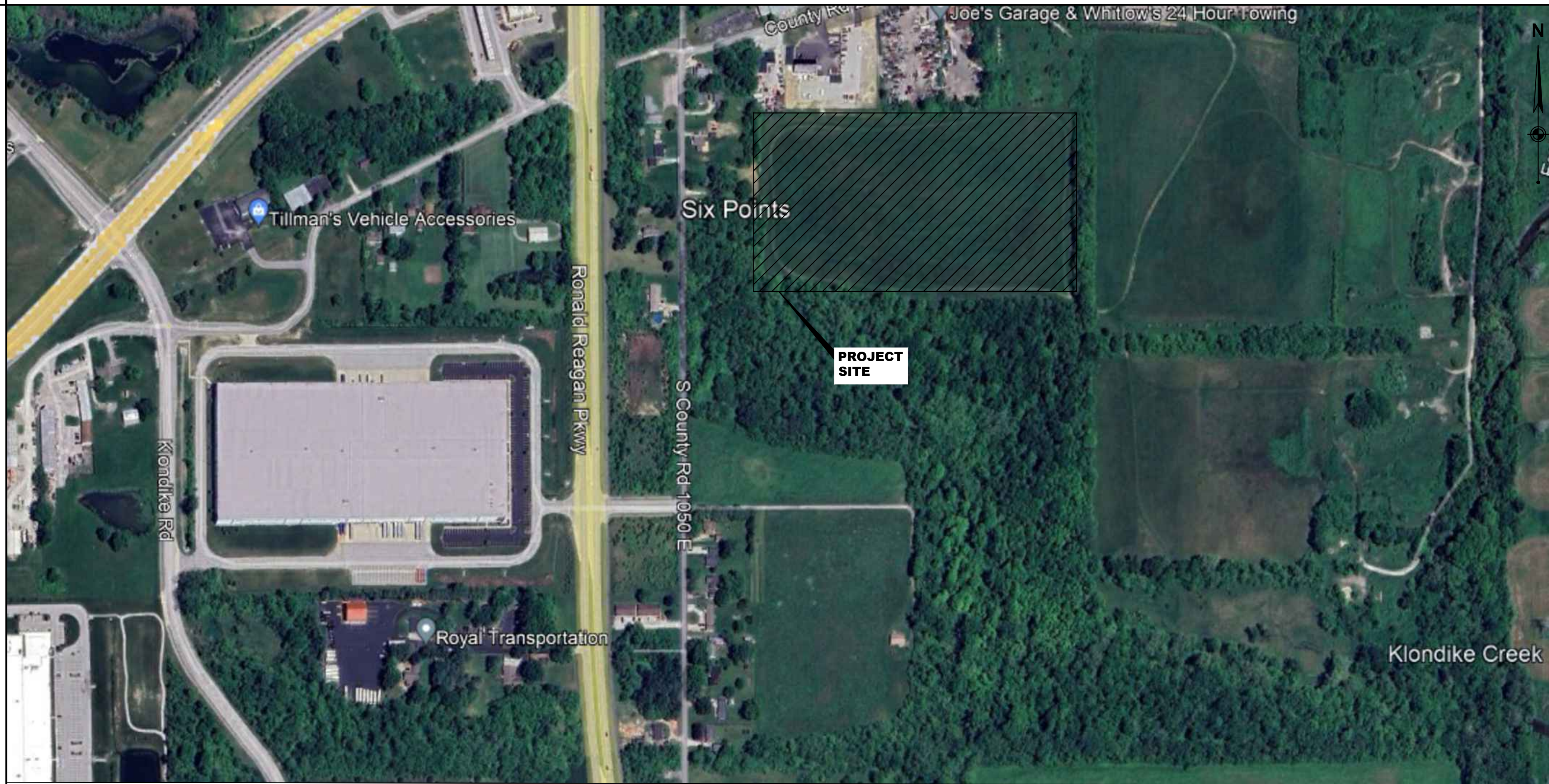
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VICINITY MAP

NOT TO SCALE



SHEET INDEX

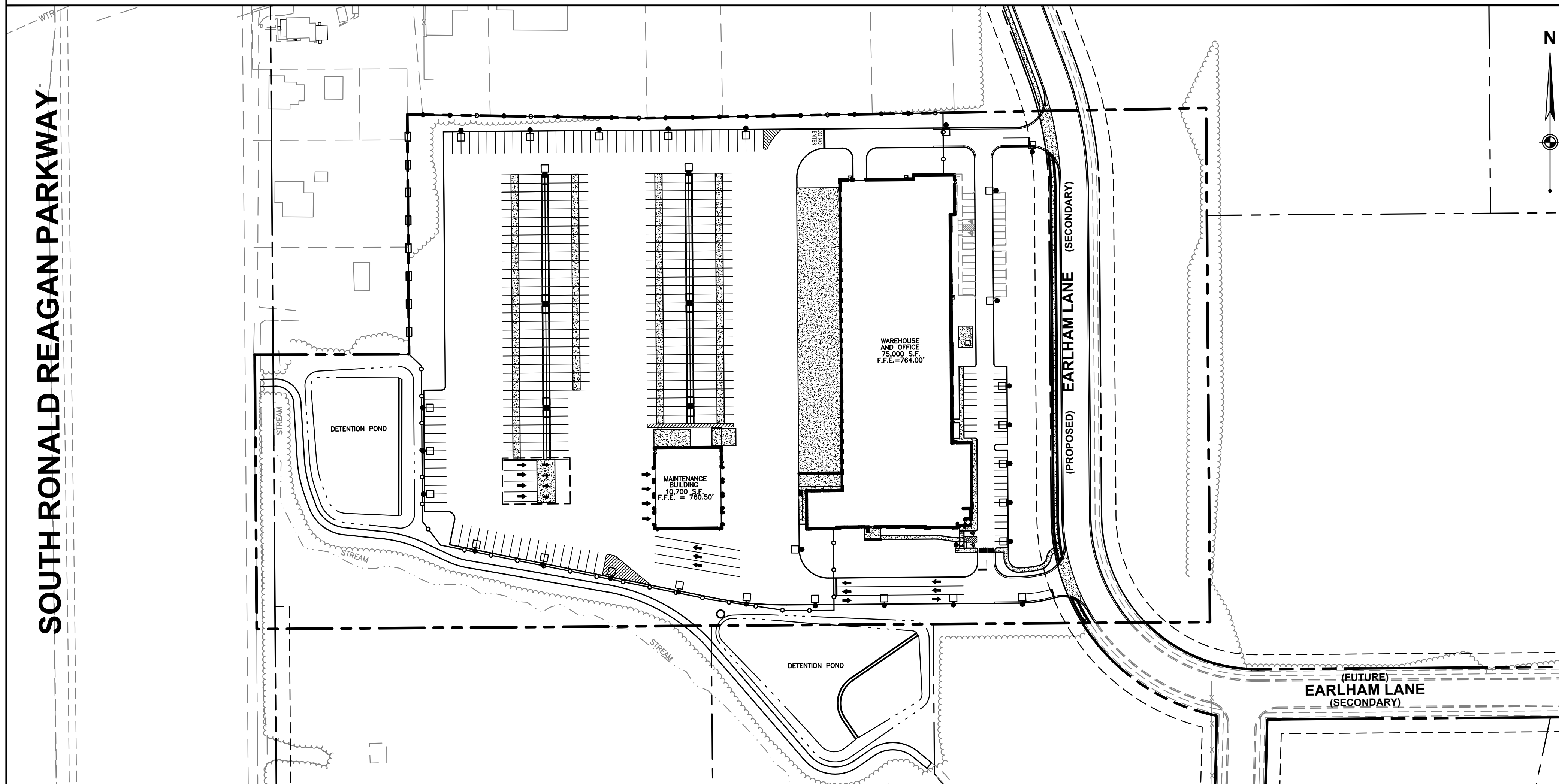
FILL INDICATES IN SET	LATEST OR REVISION NUMBER	LATEST ISSUANCE OR REVISION DATE	SHEET NUMBER	SHEET TITLE
•	-	10/18/2024	C-001	COVER SHEET
•	-	10/18/2024	C-002	GENERAL NOTES
•	-	10/18/2024	C-100	OVERALL EXISTING CONDITIONS & DEMO PLAN
•	-	10/18/2024	C-101	EXISTING CONDITIONS & DEMO PLAN
•	-	10/18/2024	C-200	OVERALL SITE PLAN
•	-	10/18/2024	C-201	SITE PLAN
•	-	10/18/2024	C-301	GRADING PLAN
•	-	10/18/2024	C-310	OVERALL EROSION CONTROL PLAN
•	-	10/18/2024	C-311	EROSION CONTROL PLAN
•	-	10/18/2024	C-312	EROSION CONTROL DETAILS
•	-	10/18/2024	C-400	OVERALL UTILITY PLAN
•	-	10/18/2024	C-401	UTILITY PLAN
•	-	10/18/2024	C-402	STORM PROFILES
•	-	10/18/2024	C-403	STORM PROFILES
•	-	10/18/2024	C-404	SANITARY PROFILES
•	-	10/18/2024	C-601	LANDSCAPE PLAN
•	-	10/18/2024	C-602	LANDSCAPE DETAILS
•	-	10/18/2024	C-701	PHOTOMETRIC PLAN
•	-	10/18/2024	C-702	PHOTOMETRIC DETAILS
•	-	10/18/2024	C-801	DETAILS
•	-	03/01/2022		PLAINFIELD, INDIANA - TOWN STANDARDS

SITE DATA

PROPERTY OWNER:	PACE PROPERTY HOLDING, LLC. 3345 E MAIN ST PLAINFIELD, IN 46168
PARCEL ID:	025-120521-400031 025-120521-400028
COUNTY:	HENDRICKS
ZONING:	I-2
TOTAL SITE AREA:	19.98 ACRES
EXISTING USE:	UNDEVELOPED
PROPOSED USE:	DISTRIBUTION

SITE PLAN

NOT TO SCALE



PACE FACILITY LEGAL DESCRIPTION

A PARCEL CONVEYED TO PACE PROPERTIES HOLDING, LLC PER THE WARRANTY DEED RECORDED DECEMBER 2, 2016 AS INSTRUMENT NUMBER 201628478 AND A PART OF PARCEL 1 CONVEYED TO PACE PROPERTY HOLDING, LLC PER THE SPECIAL WARRANTY DEED RECORDED DECEMBER 4, 2020 AS INSTRUMENT NUMBER 202037016, BOTH BEING A PART OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 15 NORTH, RANGE 2 EAST OF THE SECOND PRINCIPAL MERIDIAN, HENDRICKS COUNTY, INDIANA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE WEST HALF OF SAID SOUTHWEST QUARTER; THENCE ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER, NORTH 00 DEGREES 44 MINUTES 20 SECONDS WEST, A DISTANCE 1771.13 FEET TO THE NORTHWEST CORNER OF A 12.697+ ACRE TRACT PER DEED RECORD 327 PAGES 180-181, BEING A CORNER OF SAID PARCEL PER INSTRUMENT NUMBER 201628478 AND THE POINT OF BEGINNING;

THENCE ALONG THE PERIMETER OF SAID PARCEL PER INSTRUMENT NUMBER 201628478, THE FOLLOWING SIX (6) COURSES:

1. CONTINUING ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER, NORTH 00 DEGREES 44 MINUTES 20 SECONDS WEST, A DISTANCE OF 30.09 FEET;
2. THENCE NORTH 89 DEGREES 30 MINUTES 36 SECONDS EAST, A DISTANCE OF 214.50 FEET;
3. THENCE NORTH 00 DEGREES 44 MINUTES 20 SECONDS WEST, A DISTANCE OF 333.31 FEET;
4. SOUTH 89 DEGREES 26 MINUTES 02 SECONDS EAST, A DISTANCE OF 333.50 FEET;
5. NORTH 88 DEGREES 37 MINUTES 53 SECONDS EAST, A DISTANCE OF 777.08 FEET TO A POINT ON THE EAST LINE OF THE WEST HALF OF SAID SOUTHWEST QUARTER;
6. ALONG SAID EAST LINE, SOUTH 00 DEGREES 45 MINUTES 11 SECONDS EAST, A DISTANCE OF 675.92 FEET TO THE NORTHEAST CORNER OF SAID 12.697+ ACRE TRACT;

THENCE CONTINUING ALONG SAID EAST LINE, SOUTH 00 DEGREES 45 MINUTES 11 SECONDS EAST, A DISTANCE OF 38.59 FEET;

THENCE SOUTH 89 DEGREES 15 MINUTES 05 SECONDS WEST, A DISTANCE OF 1008.03 FEET TO THE MOST NORTHERLY NORTHEAST CORNER OF THE PARCEL PER THE WARRANTY DEED RECORDED PER INSTRUMENT NUMBER 201917365;

THENCE ALONG THE NORTH LINE OF SAID PARCEL, SOUTH 89 DEGREES 15 MINUTES 05 SECONDS WEST, A DISTANCE OF 317.08 FEET TO A POINT ON THE WEST LINE OF SAID SOUTHWEST QUARTER;

THENCE ALONG SAID WEST LINE, NORTH 00 DEGREES 44 MINUTES 20 SECONDS WEST, A DISTANCE 351.32 FEET TO THE POINT OF BEGINNING;

CONTAINING 870,393 SQUARE FEET OR 19.981 ACRES, MORE OR LESS.

THE BASIS OF BEARINGS REFERENCED HEREON IS THE INDIANA STATE PLANE COORDINATE SYSTEM WEST ZONE (NAD 83).

ISSUANCE SCHEDULE
NUMBER DATE DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

PROJECT NO: 82429.12
DATE ISSUED: 10/08/2024

SHEET NAME:
COVER SHEET

SHEET NO:

C-001



GENERAL NOTES

- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER IMMEDIATELY.
- EXISTING SITE INFORMATION AND TOPOGRAPHIC SURVEY WAS PREPARED BY WILLIAM L. DOUGHERTY, P.S., DATED 03-22-2023. ANY SITE CHANGES/MODIFICATIONS MADE AFTER THIS SURVEY ARE NOT REFLECTED IN THESE PLANS. CONTRACTOR TO NOTIFY WOOLPERT, INC. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. ITEMS INDICATED AS PER RECORDS AND OUTSIDE THE SURVEY LIMITS ARE BASED ON VARIOUS RECORD DRAWINGS PROVIDED BY THE OWNER. WOOLPERT IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORDS) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
- 48 HOURS PRIOR TO COMMENCEMENT OF DIGGING, CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE INDIANA UTILITY PROTECTION SERVICES 811, AND ALL OTHER AGENCIES THAT MAY HAVE UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS AND ARE NON-MEMBERS OF INDIANA UNDERGROUND PROTECTION SERVICES.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO COMMENCING WORK.
- ANY WORK PERFORMED IN HENDRICKS COUNTY RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE COUNTY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE INDIANA ENVIRONMENTAL PROTECTION AGENCY FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS. OWNER WILL OBTAIN NPDES PERMIT.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY THE TOWN OF PLAINFIELD AND THE INDIANA EPA.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDDED AND MULCHED AS SOON AS PRACTICAL, IN ACCORDANCE WITH SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE INDOT SPECIFICATION ITEM 621.
- ITEM NUMBERS REFER TO THE INDOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TOWN OF PLAINFIELD. WHEN IN CONFLICT, THE TOWN REQUIREMENTS SHALL PREVAIL.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- BEFORE INSTALLATION OF STORM SEWER, SANITARY SEWER, ELECTRICAL CONDUIT, WATERLINE OR ANY OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS. THE DESIGN ENGINEER WILL BE HELD HARMLESS IF NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
- ADJUST OR RECONSTRUCT ALL EXISTING CASTINGS, CLEANOUTS, ETC. WITHIN PROJECT AREA TO MEET PROPOSED GRADE AS REQUIRED.
- CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
- THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
- SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS OCT (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
- ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALK, CURB, LANDSCAPING, UTILITIES, AND ANY OTHER ITEMS TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
- SITE DIMENSIONS SHOWN ARE TO THE BACK OF CURB, BUILDING, WALL, EDGE OF PAVEMENT, OR COLUMN LINE UNLESS OTHERWISE NOTED.
- COORDINATES ARE FOR BUILDING COLUMNS, EXTERIOR BUILDING WALLS, CENTERS OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER OF STRUCTURES PLACED SIX INCHES INSIDE FACE OF CURB FOR DRAIN INLETS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- REFER TO THE ARCHITECTURAL, PLUMBING & ELECTRICAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
- THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE TOWN OF PLAINFIELD. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION/DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.
- SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

DEMOLITION NOTES

- ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS NOTED OTHERWISE SPECIFIED WITHIN THIS CONSTRUCTION SET AND/OR PROJECT MANUAL. THIS INCLUDES WALLS AND FOOTINGS. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIALS AND COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD BY THE CONTRACTOR.
- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THE TOWN OF PLAINFIELD STANDARDS - OR - IN ACCORDANCE WITH THE DETAILED DRAWINGS. DO NOT OPERATE OR STORE EQUIPMENT, NOR HANDLE OR STORE MATERIALS WITHIN THE DRIP LINES OF THE TREES SHOWN TO REMAIN.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. ALL DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO THE APPROPRIATE UTILITY COMPANY STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY. LOCAL UTILITY CONTACTS ARE PROVIDED ON THIS SHEET.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR OBTAINS PRIOR LEGAL WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- EROSION & SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE PROPERLY INSTALLED AND FUNCTIONING PROPERLY PRIOR TO INITIALIZATION OF DEMOLITION ACTIVITIES.
- ASBESTOS OR HAZARDOUS MATERIAL ARE NOT EXPECTED. IF FOUND ON SITE, SUCH MATERIALS SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, AND FEATURES TO REMAIN. ANY ITEMS TO REMAIN THAT HAVE BEEN DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS, FAA REGULATIONS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- PROVIDE STRAIGHT, FULL DEPTH, AND NEAT SAW CUTS OF EXISTING PAVEMENT WHERE INDICATED ALONG LIMITS OF PAVEMENT DEMOLITION.
- ALL UTILITY AND STRUCTURE REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED AND PROPERLY DOCUMENTED BY A CERTIFIED PROFESSIONAL, WHEN APPLICABLE, WITH THE APPROPRIATE UTILITY COMPANY, MUNICIPALITY AND/OR AGENCY. DEMOLITION OF REGULATED ITEMS MAY INCLUDE, BUT NOT LIMITED TO WELLS, ASBESTOS, UNDERGROUND STORAGE TANKS, SEPTIC TANKS AND ELECTRIC TRANSFORMERS. DEMOLITION CONTRACTOR SHALL REFER TO ANY ENVIRONMENTAL STUDIES FOR DEMOLITION RECOMMENDATIONS AND GUIDANCE. AVAILABLE ENVIRONMENTAL STUDIES MAY INCLUDE, BUT ARE NOT LIMITED TO PHASE I ESA, PHASE II ESA, WETLAND AND STREAM DELINEATION AND ASBESTOS SURVEYS. ALL APPLICABLE ENVIRONMENTAL STUDIES SHALL BE MADE AVAILABLE UPON REQUEST.
- ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., WITHIN THE AREA THAT ARE INDICATED TO BE DEMOLISHED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE IF THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE AREAS TO RECEIVE LANDSCAPING.
- THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITIES.

SITE EARTHWORK NOTES

- ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT, UNLESS INDICATED OTHERWISE.
- REFER TO AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT BY CTL ENGINEERING, INC. TITLED PRELIMINARY GEOTECHNICAL EXPLORATION AND DATED JULY 25, 2023 WITH CTL PROJECT NUMBER 23050054ND.
- SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS (REPORT DATED JULY 25, 2023). BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING AND REMOVAL OF UNSUITABLE MATERIAL FROM PAD SITE, THEN PLACEMENT AND COMPACTION OF BACKFILL MATERIAL PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS (REPORT DATED JULY 25, 2023).
- ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION & SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
- EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
- CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTRIBUTED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).
- PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2% AND SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN, UNLESS NOTED OTHERWISE.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.

STORM DRAINAGE NOTES

- DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
- ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- ALL CATCH BASINS IN THE PAVEMENT OR CURB ARE TO HAVE A MINIMUM OF ONE, 4" PERFORATED UNDERDRAIN EXTENDING FROM THE CATCH BASIN. SEE DETAIL ON SHEET C-001.
- ANY FIELD TILE CUT IN EXCAVATION, WHICH DRAINS AN OFFSITE AREA, MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
- FOR EXACT LOCATION OF DOWNSPOUTS AND ROOF DRAINS, CONTRACTOR IS TO COORDINATE WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
- ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER.
- THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTION ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
- ALL STORM STRUCTURES ARE INDOT TYPES UNLESS OTHERWISE INDICATED.
- ALL CATCH BASINS AND MANHOLES WITH A DEPTH GREATER THAN 4-FEET SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF INDOT SPECIFICATION ITEM 720.
- STORM SEWER PIPE LABELED "SD" SHALL BE ONE OF THE FOLLOWING: HIGH DENSITY POLYETHYLENE PER INDOT ITEM 715, OR REINFORCED CONCRETE PIPE, INDOT ITEM 715. ALL STORM SEWER TO BE SMOOTH WALLED, WITH A MANNINGS COEFFICIENT OF 0.012. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE, INDOT ITEM 715. ALL STORM SEWER IS TO BE INSTALLED PER INDOT ITEM 715.
- STORM SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

UTILITY NOTES

- ALL PROPOSED UTILITY LINES AND EXTENSIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF PLAINFIELD SPECIFICATIONS. CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTIONS WITH THE APPROPRIATE AGENCIES.
- PROVIDE FIRE DEPARTMENT CONNECTION WITH 30 DEGREE TURN DOWN PER LOCAL FIRE DEPARTMENT REQUIREMENTS. UNDERGROUND PIPING SERVING REMOVE FIRE DEPARTMENT CONNECTION SHALL BE DUCTILE IRON PIPING WITH RUBBER-GASKET PUSH-ON JOINTS. ABOVE GROUND PIPING AT LOCATION OF FIRE DEPARTMENT CONNECTION SHALL BE GALVANIZED, PROVIDE FLANGE ABOVE GRADE AT TRANSITION. PROVIDE CONCRETE THRUST BLOCKING AT ALL CHANGES OF DIRECTION AND MOUNT FIRE DEPARTMENT CONNECTION PIPING IN A 12" X 12" CONCRETE PAD 4" THICK. PROVIDE BALL DRIP VALVE AT BASE OF VERTICAL PIPING SERVING FIRE DEPARTMENT CONNECTION AND SURROUND WITH PEA GRAVEL.
- THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY LINE, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
- ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED.
- SANITARY SEWER SHALL BE PVC-SDR 35 PER ASTM D-3034 (CONFORMING TO TOWN OF PLAINFIELD WATER & SEWER DEPARTMENT RULES AND REGULATIONS) INSTALLED AT A MINIMUM SLOPE OF 2" PER FOOT (2.08%) UNLESS OTHERWISE NOTED. SANITARY SERVICE SHALL BE INSTALLED AT A MINIMUM DEPTH OF FOUR FEET (4') UNLESS OTHERWISE NOTED. A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL WATERLINE & STORM SEWER CROSSINGS. SANITARY SERVICE JOINTS SHALL CONFORM TO ASTM D-3212.
- SANITARY SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" PER ODOT ITEM 603.06 ABOVE THE PIPE.
- DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM & SANITARY STRUCTURES ARE SHOWN TO THE CENTER STRUCTURE, UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
- ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ALL IMPROVEMENTS. INCLUDE AT LEAST TWO DIMENSIONS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DRAWINGS SHALL INCLUDE HORIZONTAL AND VERTICAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES ENCOUNTERED.
- MECHANICAL/ELECTRICAL CONTRACTORS SHALL BRING ALL UTILITIES 6' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER/ARCHITECT/ENGINEER/OWNER.
- ALL WATERLINE CROSSINGS SHALL MAINTAIN A VERTICAL SEPARATION OF 18" MINIMUM. SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 18" BELOW WATERLINE AT ALL CROSSINGS. WATERLINE SHALL BE LOCATED A MINIMUM OF 10" HORIZONTALLY FROM ANY SANITARY SEWER OR STORM SEWER. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERLINE PIPE. ONE FULL LENGTH OF WATERLINE PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE.
- ALL WATER SERVICE PIPE SIZES 3" THRU 12" SHALL BE DUCTILE IRON PIPE CLASS 51, 52, 53 PER LOCAL JURISDICTION, FROM WATERMAIN THRU METER SETTING(S) INCLUDING THE METER BYPASS.
- ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL BE K SOFT COPPER.
- ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL BE K SOFT COPPER FROM WATERMAIN THRU CURB STOP. K SOFT COPPER OR TOWN OF PLAINFIELD APPROVED POLYUBING FROM CURB STOP THRU METER SETTING IN BUILDING.
- WATERLINE IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

ISSUANCE SCHEDULE
NUMBER DATE DESCRIPTION

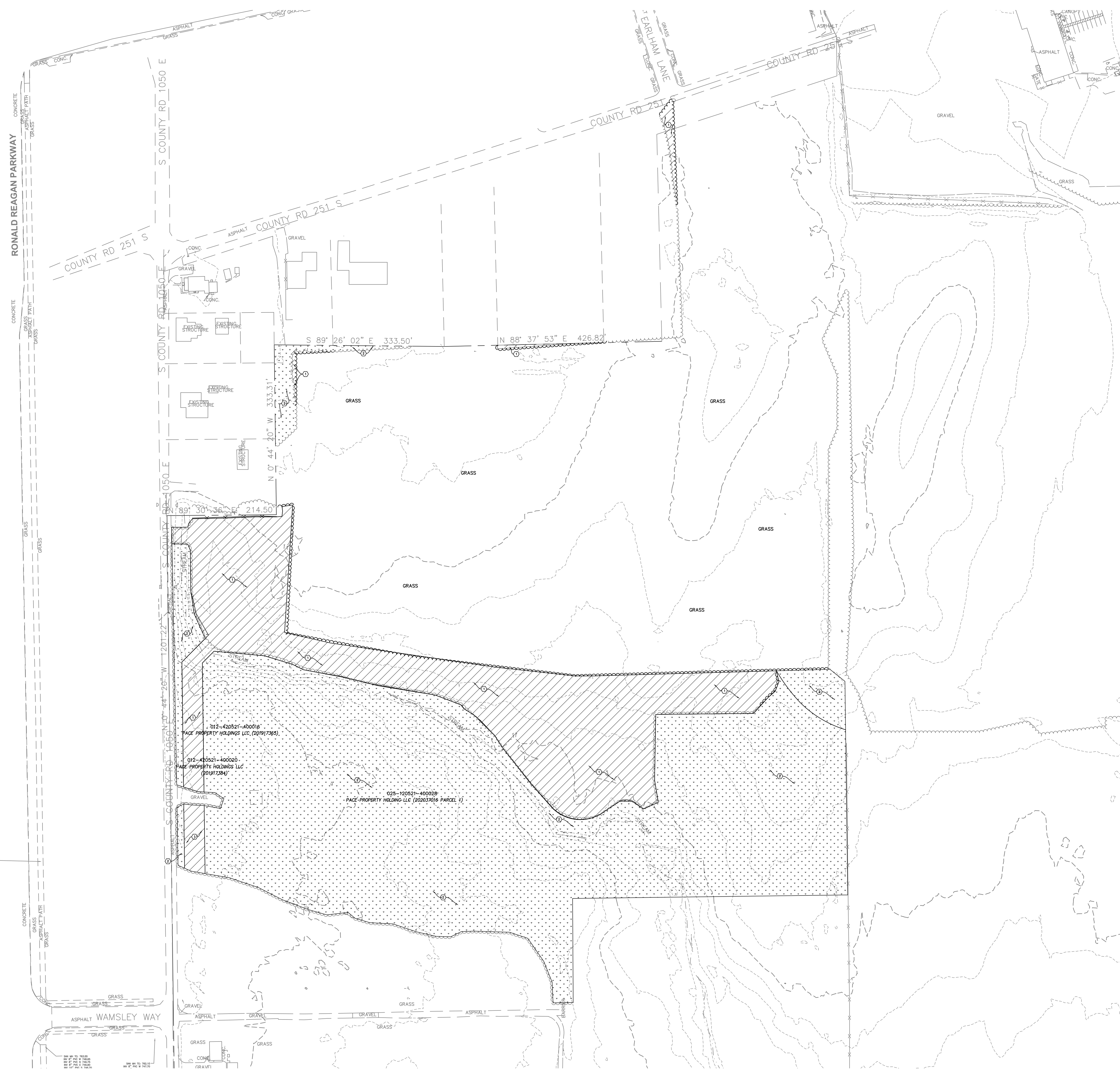
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
PLAINFIELD, INDIANA

PROJECT NO: 82429.12
DATE ISSUED: 10/18/2024
DESIGNED BY: TAB
DRAWN BY: SMB
CHECKED BY: JGM

SHEET NAME:
GENERAL NOTES

SHEET NO:
C-002

Layout Tab Name: OVERALL EXISTING CONDITIONS & DEMO PLAN
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LEGEND

- 799 --- 1" CONTOUR
- 800 --- 5' CONTOUR
- PROPERTY BOUNDARY
- STREAM CENTERLINE
- WETLAND LIMITS
- TREE/SHRUB LINE
- FENCE LINE
- SD --- STORM & SIZE IF INDICATED
- G --- GAS & SIZE IF INDICATED
- HEADWALL
- [Hatched Box] AREA TO BE CLEARED OF EXISTING TREES AND VEGETATION
- [Dotted Box] TREES AND VEGETATION TO REMAIN AND BE PROTECTED

KEYNOTES X

1. AREA TO BE CLEARED OF EXISTING TREES AND VEGETATION.
2. TREES AND VEGETATION TO REMAIN AND BE PROTECTED.

NOTES

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. HORIZONTAL DATUM REFERENCE: INDIANA STATE PLANE COORDINATE SYSTEM WEST ZONE (NAD 83).
3. VERTICAL DATUM REFERENCE: NAVD 88, IRON SET SET AT ELEVATION 759.05'.
4. CONTRACTOR TO LOCATE EXISTING UTILITY SERVICES AND INVESTIGATE POTENTIAL FOR REUSE. IF IT IS NOT TO BE REUSED, IT SHALL BE REMOVED OR ABANDONED IN PLACE PER AGENCY REQUIREMENTS.
5. THIS PROPERTY IS IN ZONE X OF THE FLOOD INSURANCE RATE MAP, MAP NUMBER 180630277D, WHICH BEARS AN EFFECTIVE DATE OF 09/25/2009 AND IS DETERMINED TO BE OUTSIDE THE 0.2-PERCENT ANNUAL CHANCE FLOODPLAIN. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

BENCHMARK

THE BASIS OF ELEVATIONS HEREON IS NAVD 88 PER OBSERVATIONS OF SELECTED STATIONS IN THE NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION (NGS CORS) NETWORK.
 IRON ROD SET - SEE DRAWING FOR LOCATION.
 ELEVATION = 759.05'

N

GRAPHIC SCALE IN FEET

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
 PLAINFIELD, INDIANA

PROJECT NO:	82429.12
DATE ISSUED:	10/18/2024
DESIGNED BY:	TAB
DRAWN BY:	SMB
CHECKED BY:	JGM

SHEET NAME:
**OVERALL EXISTING
 CONDITIONS & DEMO
 PLAN**

Layout Tab Name: EXISTING CONDITIONS & DEMO PLAN
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S. COUNTY ROAD 1050 E



LEGEND

- 799 --- 1" CONTOUR
- 800 --- 5' CONTOUR
- PROPERTY BOUNDARY
- STREAM CENTERLINE
- WETLAND LIMITS
- TREE/SHRUB LINE
- FENCE LINE
- SD ----- STORM & SIZE IF INDICATED
- G ----- GAS & SIZE IF INDICATED
- HEADWALL
- [Hatched Box] AREA TO BE CLEARED OF EXISTING TREES AND VEGETATION
- [Dotted Box] TREES AND VEGETATION TO REMAIN AND BE PROTECTED

KEYNOTES X

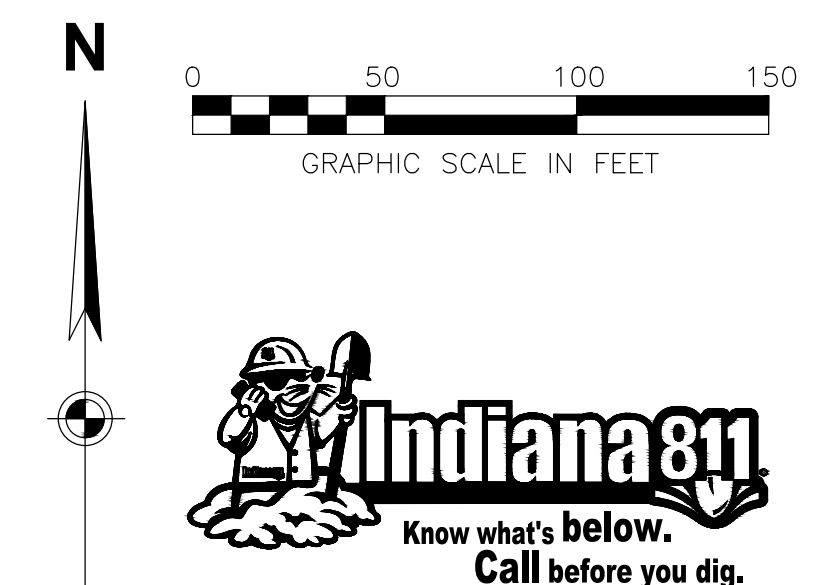
1. AREA TO BE CLEARED OF EXISTING TREES AND VEGETATION.
2. TREES AND VEGETATION TO REMAIN AND BE PROTECTED.

NOTES

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BENCHMARK

THE BASIS OF ELEVATIONS HEREON IS NAVD 88 PER OBSERVATIONS OF SELECTED STATIONS IN THE NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION (NGS CORS) NETWORK. IRON ROD SET - SEE DRAWING FOR LOCATION. ELEVATION = 759.05'



ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

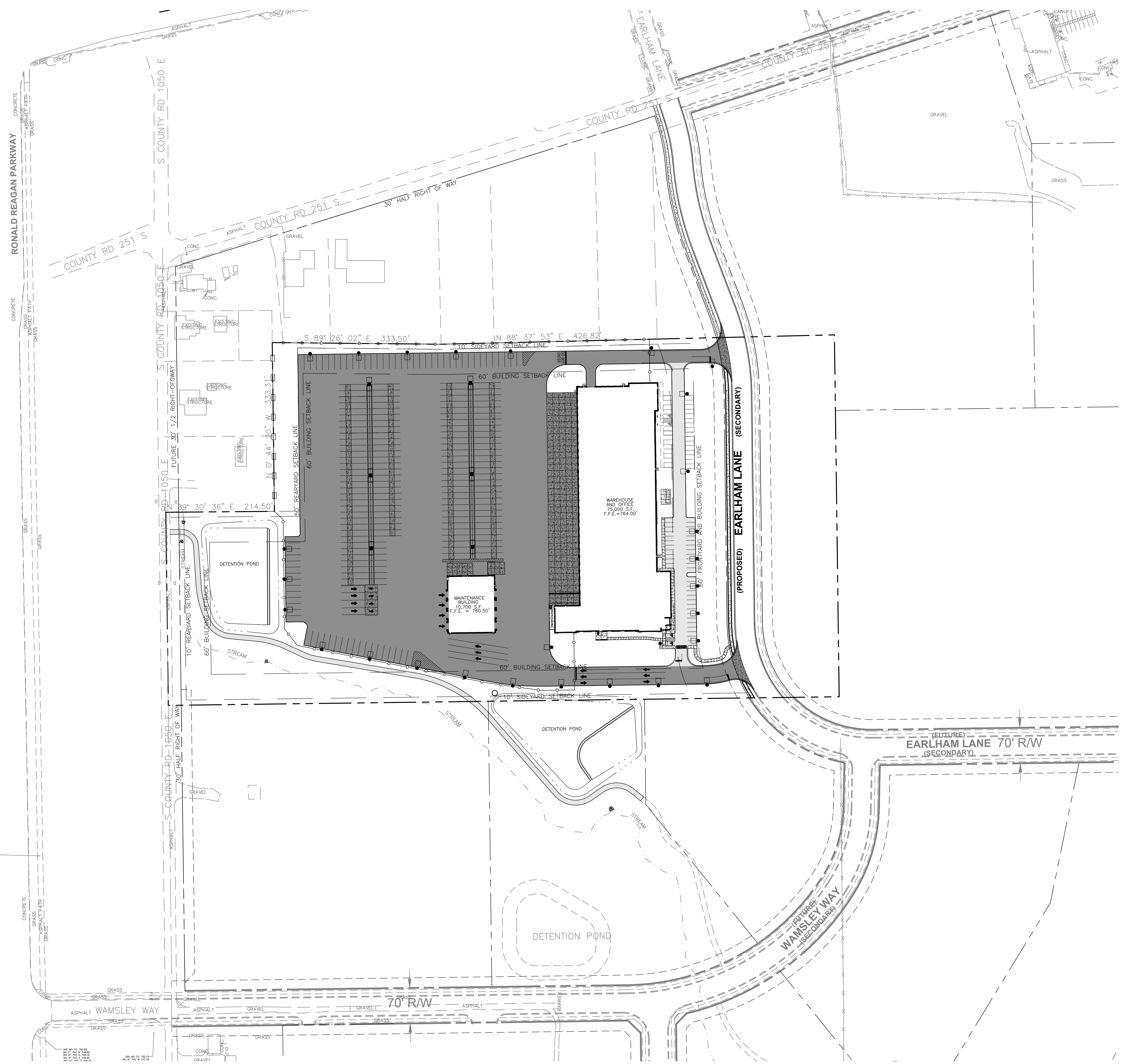
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PACE AIR FREIGHT HQ
 PLAINFIELD, INDIANA

PROJECT NO:	82429.12
DATE ISSUED:	10/18/2024
DESIGNED BY:	TAB
DRAWN BY:	SMB
CHECKED BY:	JGM

SHEET NAME:
EXISTING CONDITIONS & DEMO PLAN

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LEGEND

- ADA PAVEMENT SYMBOL
- FLAGPOLE
- LIGHTPOLE
- SIGN
- CURB TRANSITION
- DIRECTIONAL ARROW, THERMOPLASTIC WHITE
- PARKING SPACE COUNT
- PROPERTY BOUNDARY
- EASEMENT
- CHAIN LINK FENCE
- WOODEN FENCE
- GRAVEL
- CONCRETE SIDEWALK
- HEAVY DUTY CONCRETE
- STANDARD DUTY ASPHALT
- HEAVY DUTY ASPHALT

- NOTES**
- SEE SHEET C-002 FOR GENERAL NOTES.
 - EXISTING SITE INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY WOOLPERT, INC., DATED MARCH 15, 2023.
 - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
 - ALL DIMENSIONS IN CURBED AREAS SHALL BE TO BACK OF CURB. ALL DIMENSIONS IN AREAS WITHOUT CURB SHALL BE TO EDGE OF PAVEMENT.
 - ALL CURB RADII SHALL BE 5' UNLESS NOTED OTHERWISE.

GRAPHIC SCALE IN FEET

0 100 200 300

INDIANA 811
 Know what's below.
 Call before you dig.

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

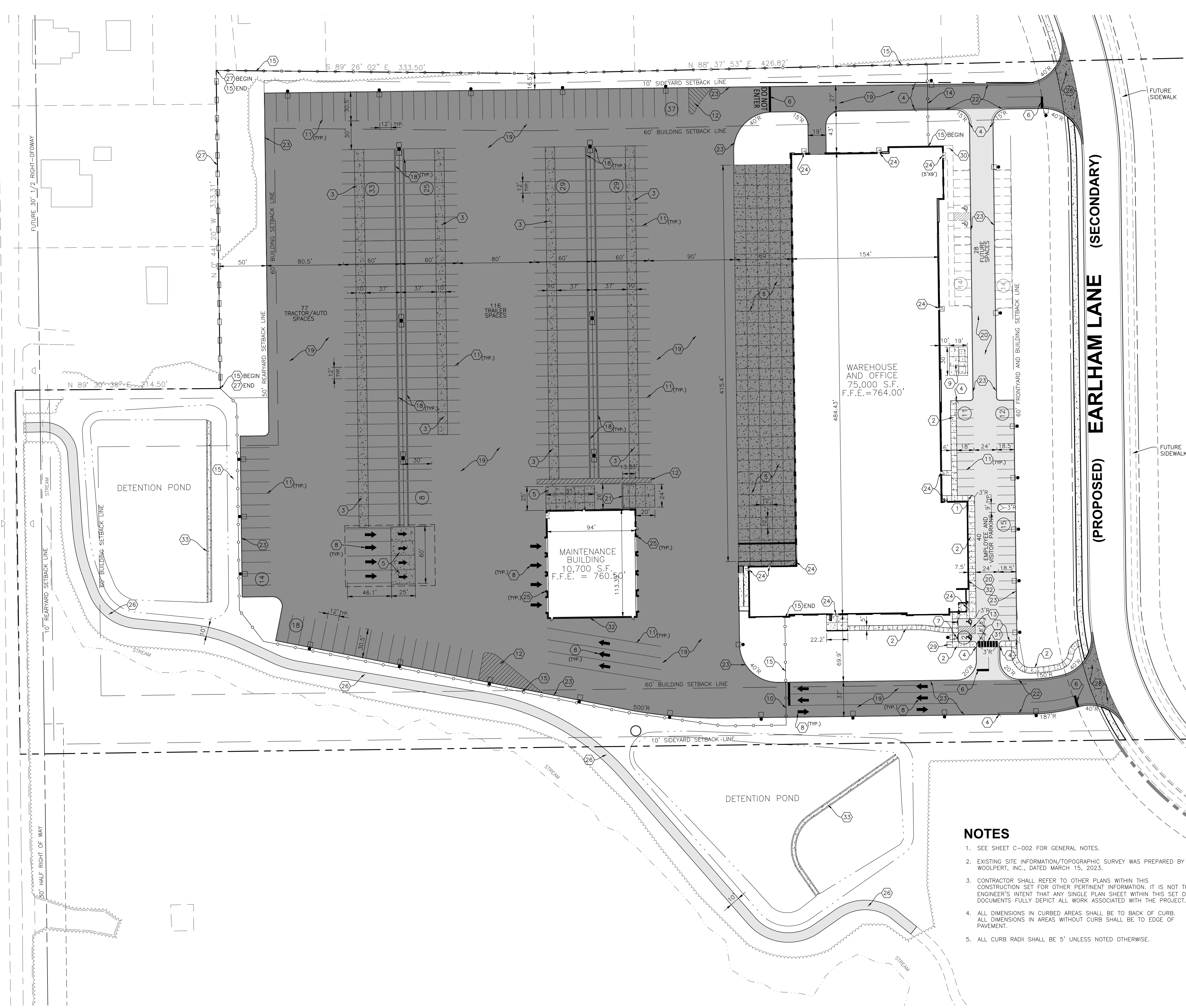
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

PROJECT NO:	82429.12
DATE ISSUED:	10/18/2024
DESIGNED BY:	TAB
DRAWN BY:	SMB
CHECKED BY:	JGM

SHEET NAME:
OVERALL SITE PLAN

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LEGEND

- ADA PAVEMENT SYMBOL
- FLAGPOLE
- LIGHTPOLE
- SIGN
- CURB TRANSITION
- DIRECTIONAL ARROW, THERMOPLASTIC WHITE
- PARKING SPACE CURB
- PROPERTY BOUNDARY
- RIGHT-OF-WAY
- EASEMENT
- CHAIN LINK FENCE
- WOODEN FENCE
- GRAVEL
- CONCRETE SIDEWALK
- HEAVY DUTY CONCRETE
- STANDARD DUTY ASPHALT
- HEAVY DUTY ASPHALT

- ### KEYNOTES (X)
1. INTEGRAL CURB AND WALK, TYPICAL; SEE SHEET C-801
 2. STANDARD DUTY CONCRETE WALK, TYPICAL; SEE SHEET 3 OF PLAINFIELD TOWN STANDARDS.
 3. DOLLY PAD; SEE SHEET C-801
 4. CONCRETE CURB END TAPER; SEE SHEET C-801
 5. HEAVY DUTY CONCRETE PAVEMENT; SEE SHEET C-801
 6. 24" STOP BAR, WHITE THERMOPLASTIC ROAD MARKING PAINT
 7. ADA PEDESTRIAN RAMP; SEE SHEET 4 OF PLAINFIELD TOWN STANDARDS
 8. DIRECTIONAL ARROW PAVEMENT MARKINGS
 9. CONCRETE TRANSFORMER PAD;
 10. VEHICLE SLIDE GATE
 11. 4" WHITE STRIPING, TYPICAL
 12. 4" WHITE STRIPING AT 60° ANGLE, 4' O.C.
 13. 4" PAINTED BLUE PAVEMENT STRIPE AT 45° ANGLE 2' O.C.
 14. EMERGENCY EXIT ONLY, MANUAL SWING GATE WITH KNOX BOX (SEE ELECTRICAL PLANS);
 15. 6" BLACK VINYL CHAIN LINK FENCE; SEE SHEET C-801
 16. ADA SYMBOL PAVEMENT MARKING; SEE SHEET C-801
 17. BOLLARD MOUNTED ADA PARKING SIGN; SEE SHEET C-801
 18. HEAVY DUTY PRECAST CONCRETE WHEEL STOP; SEE SHEET C-801
 19. HEAVY DUTY ASPHALT; SEE SHEET C-801
 20. STANDARD DUTY ASPHALT; SEE SHEET C-801
 21. DUMPSTER ENCLOSURE; SEE ARCHITECTURAL DRAWINGS.
 22. CONCRETE CURB AND GUTTER; SEE SHEET 3 OF PLAINFIELD TOWN STANDARDS
 23. 6" STRAIGHT CONCRETE CURB; SEE SHEET 3 OF PLAINFIELD TOWN STANDARDS
 24. 5' X 5' STOOP (UNLESS OTHERWISE NOTED); SEE SHEET C-801
 25. GUARD POST; SEE SHEET C-801
 26. 10" ASPHALT SIDEWALK; SEE SHEET C-801
 27. 6" WOODEN FENCE; SEE SHEET C-801
 28. 8" CONCRETE APPROACH; SEE DETAIL DS-R01 ON SHEET 4 OF THE PLAINFIELD TOWN STANDARDS
 29. PROPOSED BIKE RACK; SEE SHEET C-801
 30. FUTURE BIKE RACK; SEE SHEET C-801
 31. PIANO KEY CROSSWALK; SEE SHEET 6 OF PLAINFIELD TOWN STANDARDS
 32. ROOF MOUNTED MECHANICAL UNITS TO BE SCREENED WITH PARAPET WALL IN ACCORDANCE WITH SECTION 4.16 OF THE PLAINFIELD ZONING ORDINANCE
 33. CONCRETE SWALE

- ### NOTES
1. SEE SHEET C-002 FOR GENERAL NOTES.
 2. EXISTING SITE INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY WOOLPERT, INC., DATED MARCH 15, 2023.
 3. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
 4. ALL DIMENSIONS IN CURBED AREAS SHALL BE TO BACK OF CURB. ALL DIMENSIONS IN AREAS WITHOUT CURB SHALL BE TO EDGE OF PAVEMENT.
 5. ALL CURB RADII SHALL BE 5' UNLESS NOTED OTHERWISE.

N

GRAPHIC SCALE IN FEET

ISSUANCE SCHEDULE	
NUMBER	DATE DESCRIPTION

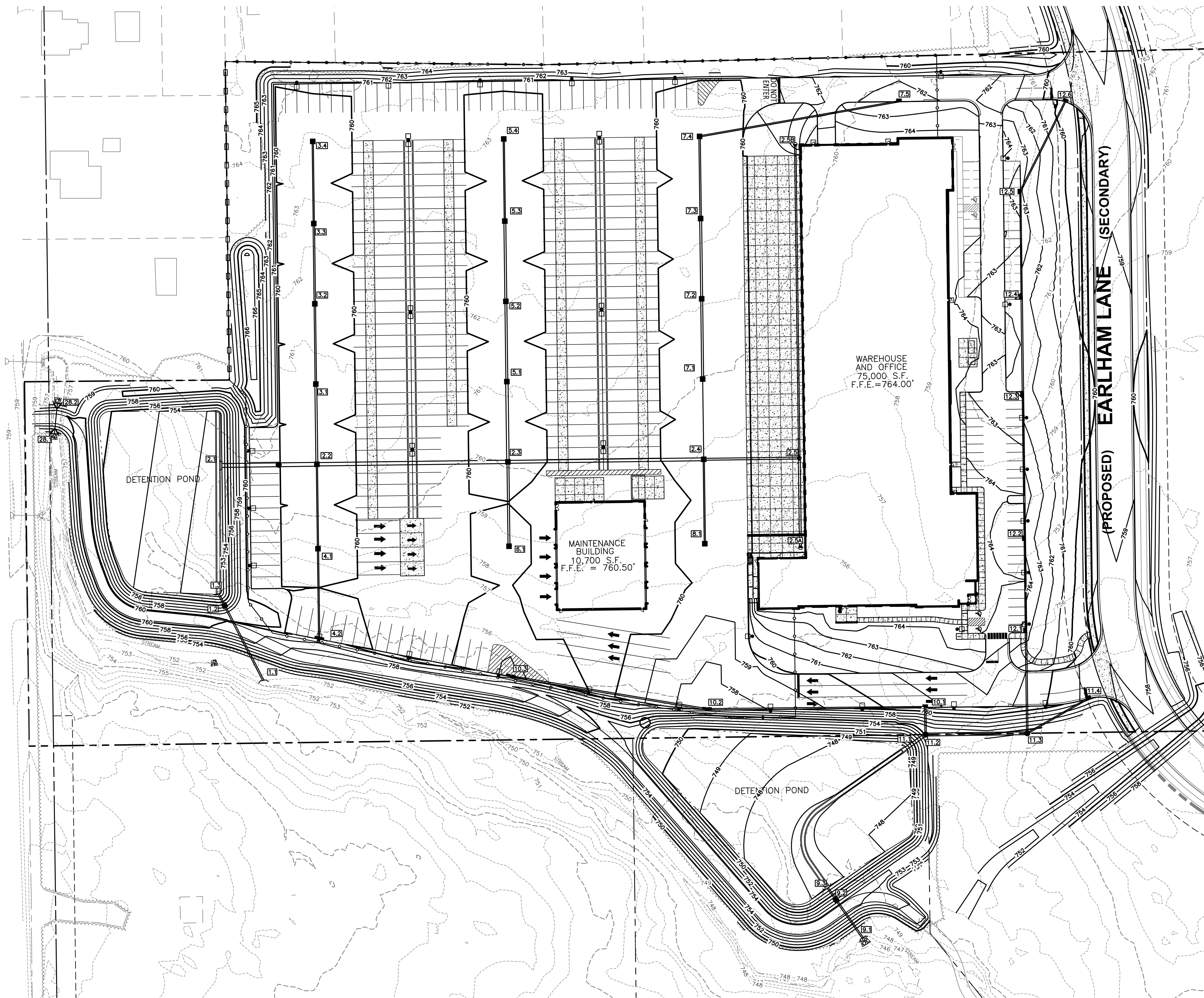
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
 PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: TAB
 DRAWN BY: SMB
 CHECKED BY: JGM

SHEET NAME:
 SITE PLAN

SHEET NO:
C-201

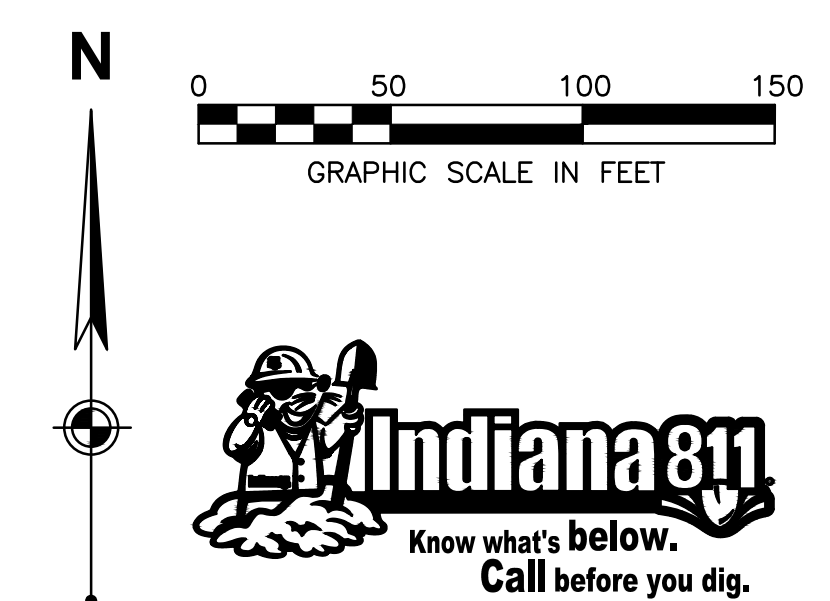
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LEGEND

--- 799 ---	EXISTING 1' CONTOUR
--- 800 ---	EXISTING 5' CONTOUR
--- 799 ---	PROPOSED 1' CONTOUR
--- 800 ---	PROPOSED 5' CONTOUR
---	PROPERTY BOUNDARY
---	EXISTING STORM & SIZE IF INDICATED
---	PROPOSED STORM
---	EXISTING HEADWALL
---	PROPOSED STORM CATCH BASIN
---	PROPOSED STORM CURB INLET
---	PROPOSED STORM MANHOLE
---	PROPOSED STORM STRUCTURE ID
---	SPOT ELEVATION
TC: XXXX.XX	TC: TOP OF CURB ELEVATION
BC: XXXX.XX	BC: BACK OF CURB ELEVATION

- NOTES**
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 - PROVIDE POSITIVE DRAINAGE AT ALL TIMES TO ENSURE NO STANDING WATER WITHIN PAVEMENT, BUILDING PAD OR GREEN AREAS.



ISSUANCE SCHEDULE

NUMBER	DATE	DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

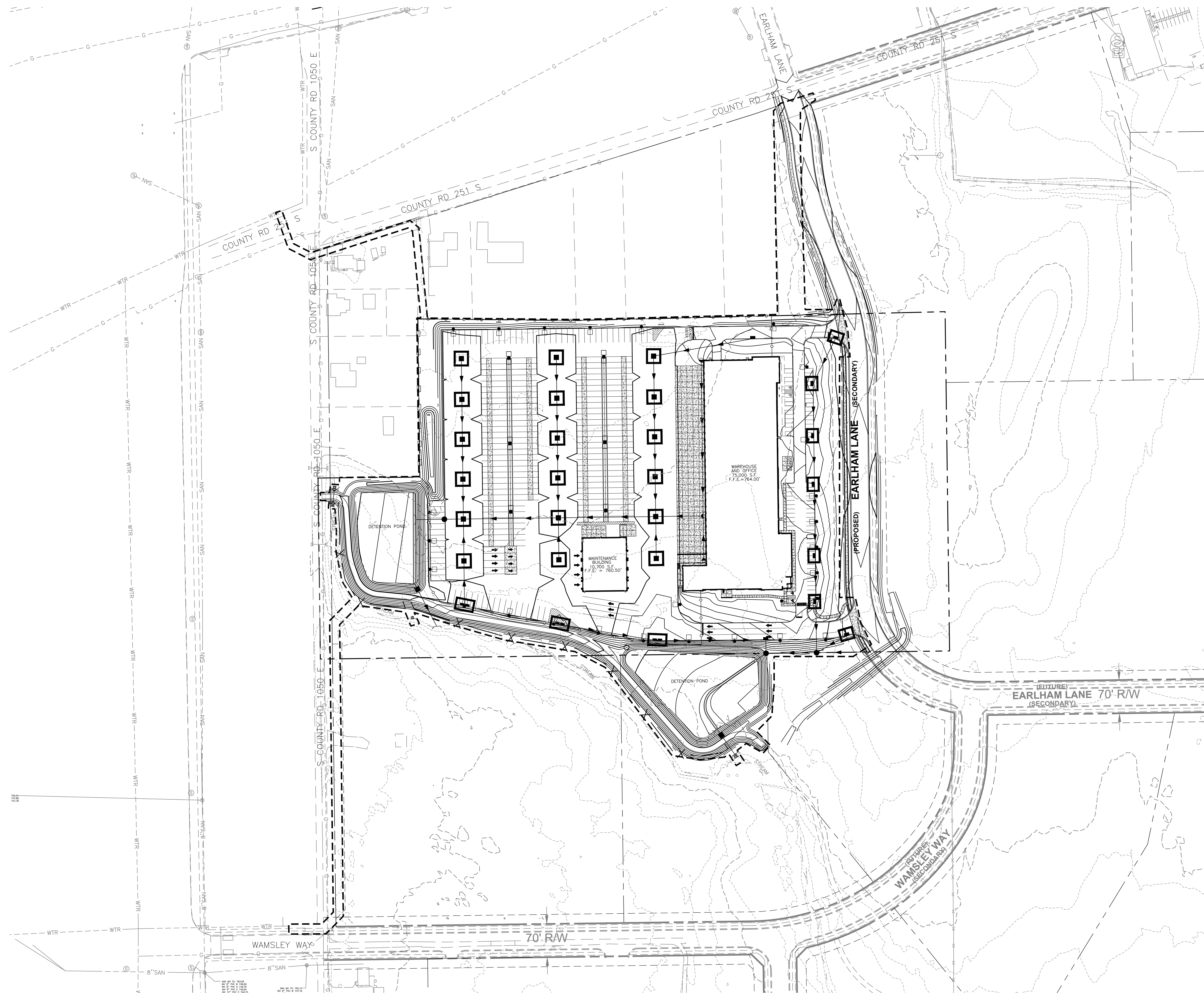
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SHEET NAME:
 GRADING PLAN

SHEET NO:
C-301



Layout Tab Name: C-310 OVERALL EROSION CONTROL PLAN
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LEGEND

- 799 --- EXISTING 1' CONTOUR
- 800 --- EXISTING 5' CONTOUR
- 799 --- PROPOSED 1' CONTOUR
- 800 --- PROPOSED 5' CONTOUR
- SD --- EXISTING STORM SEWER
- STORM SEWER
- X --- SILT FENCE
- CONSTRUCTION LIMITS
- EXISTING DRAINAGE STRUCTURE
- STORM MANHOLE
- STORM CATCH BASIN
- STORM CURB INLET
- STORM HEADWALL
- ⊠ STORM STRUCTURE ID
- PROPOSED INLET PROTECTION
- ▨ TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY CONCRETE WASHOUT
- ⊙ FILTER RING
- ⊙ AREA REQUIRING PERMANENT SEEDING
- ▨ EROSION CONTROL BLANKET

NOTES

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2. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS AND MEP PLANS FOR CONTINUATION INTO BUILDING.
3. ALL PROPOSED PIPE SLOPES SHOWN ARE MINIMUM REQUIRED. CONTRACTOR SHALL CONFIRM ACTUAL SLOPES REQUIRED BASED ON EXISTING INVERT ELEVATIONS.
4. ALL STORM PIPE MATERIAL SHALL BE EITHER RCP OR HP STORM.
5. ALL WATER SERVICE PIPE MATERIAL SHALL BE EITHER PVC OR DUCTILE IRON PER WATER DEPARTMENT REQUIREMENTS.
6. ALL SANITARY PIPE MATERIAL SHALL BE SDR 35 PER SANITARY SEWER DEPARTMENT REQUIREMENTS.
7. CONTRACTOR TO PRACTICE CAUTION WHEN WORKING IN AREA OF EXISTING UTILITIES.

N

0 100 200 300
GRAPHIC SCALE IN FEET

ISSUANCE SCHEDULE	
NUMBER	DATE DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

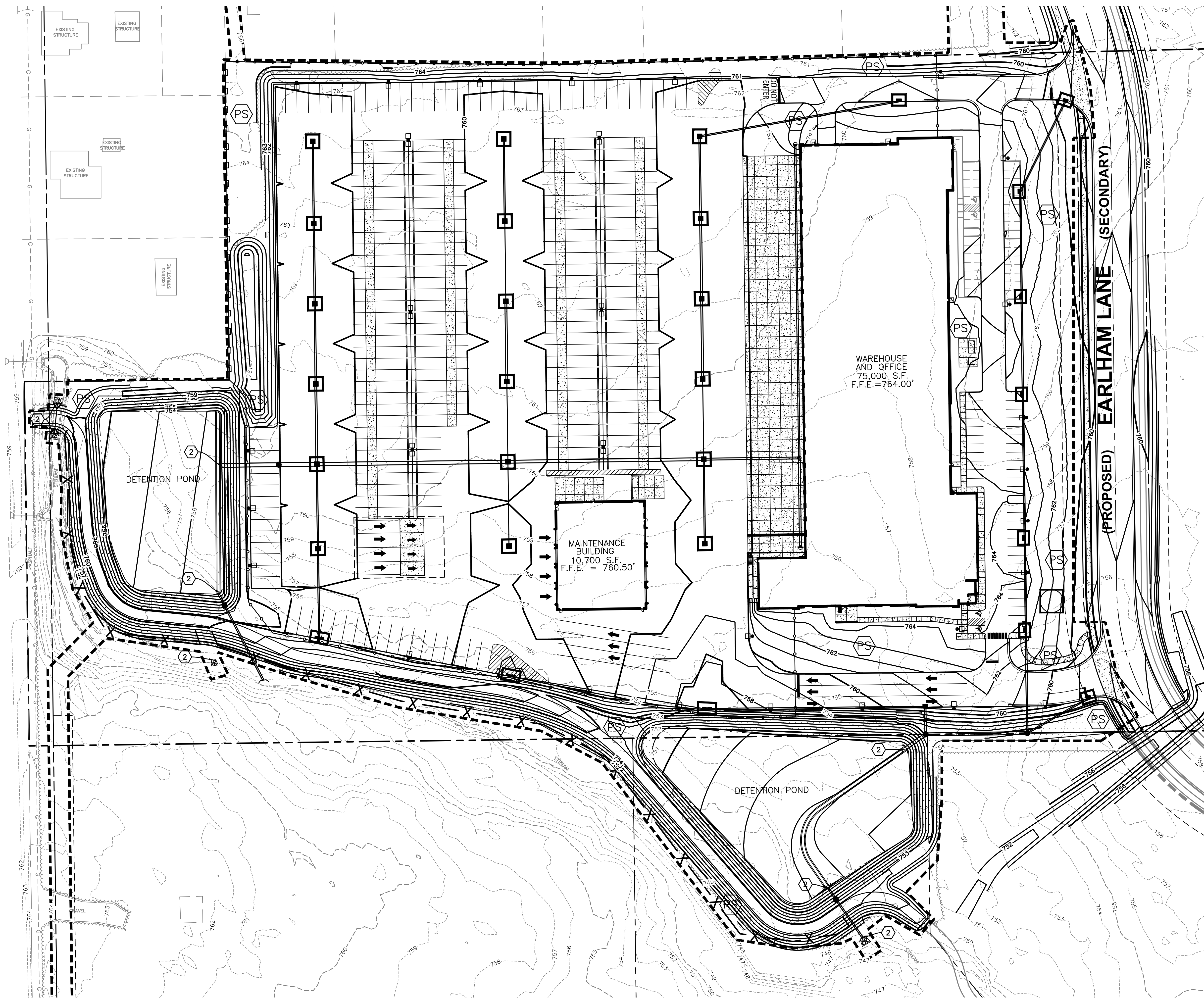
PLAINFIELD, INDIANA

PROJECT NO:	82429.12
DATE ISSUED:	10/18/2024
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DRAWN BY:	XXX
CHECKED BY:	XXX

SHEET NAME:
OVERALL EROSION CONTROL PLAN

SHEET NO:
C-310

Layout Tab Name: C-311 EROSION CONTROL PLAN
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LEGEND

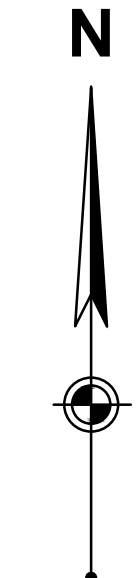
- 799 --- EXISTING 1' CONTOUR
- 800 --- EXISTING 5' CONTOUR
- 799 --- PROPOSED 1' CONTOUR
- 800 --- PROPOSED 5' CONTOUR
- SD --- EXISTING STORM SEWER
- --- STORM SEWER
- X-X- SILT FENCE
- - - - CONSTRUCTION LIMITS
- ○ □ EXISTING DRAINAGE STRUCTURE
- STORM MANHOLE
- STORM CATCH BASIN
- ⌋ STORM CURB INLET
- ⌋ STORM HEADWALL
- ⊠ STORM STRUCTURE ID
- □ PROPOSED INLET PROTECTION
- ▨ TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY CONCRETE WASHOUT
- ⊙ FILTER RING
- ⊙ AREA REQUIRING PERMANENT SEEDING
- ▨ EROSION CONTROL BLANKET

KEYNOTES (X)

1. TEMPORARY SKIMMER OUTLET. SEE DETAIL ON SHEET C-312.
2. PRECAST CONCRETE END SECTION WITH RIP RAP AND ANIMAL GUARD. SEE DETAIL ON SHEET 19 OF THE PLAINFIELD TOWN STANDARDS.

CONSTRUCTION SEQUENCE

1. SUBMIT NOTICE OF INTENT (NOI) LETTER TO IDEM A MINIMUM OF 48 HOURS PRIOR TO INITIATION OF LAND DISTURBING ACTIVITIES. A PROOF OF PUBLICATION IN A NEWSPAPER OF GENERAL CIRCULATION IN THE PROJECT SITE AREA WILL BE INCLUDED WITH THE NOI LETTER SUBMITTAL.
2. THE SITE SUPERINTENDENT, SHALL BE THE PERSON RESPONSIBLE FOR COMPLYING WITH THE ONSITE SWPPP. COORDINATE RESPONSIBILITY FOR COMPLETING THE SITE REVIEWS AFTER EACH 1" RAINFALL AND/OR A MINIMUM OF ONCE A WEEK.
3. POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE. INCLUDE A COPY OF THE NOI AND THE CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING THE SWPPP. THE SWPPP SHOULD BE ONSITE AND WEEKLY SITE REPORTS NEED TO BE AVAILABLE WITHIN 48 HOURS OF A REQUEST.
4. INSTALL SILT FENCE AND EXISTING INLET PROTECTION. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS REQUIRED BY DETAIL.
5. LOCATE FUELING AREA, PORT-O-LET, SOLID WASTE BIN, CONCRETE WASH-OUT WITH A POLYETHYLENE LINER AND STAGING AREA.
6. STRIP AND ROUGH GRADE ENTIRE SITE. INSTALL STORM SEWERS AND SWALES. DISTURBED AREAS ARE TO BE KEPT TO A MINIMUM. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING, CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADHESIVES OR OTHER APPROVED METHODS.
7. INSTALL PROPOSED INLET PROTECTION.
8. INSTALL PERMANENT RIP-RAP OUTLET PROTECTION.
9. INSTALL EROSION CONTROL MATTING ON THE 3:1 SLOPES.
10. FINE GRADE BUILDING PAD AND BEGIN FOUNDATION.
11. INSTALL UNDERGROUND UTILITIES.
12. STONE PARKING AREAS AND DRIVES.
13. CONTINUE BUILDING CONSTRUCTION, APPLY PERMANENT SEEDING.
14. ADD BINDER COURSE ON PARKING AREAS AND DRIVES.
15. INSTALL LANDSCAPING.
16. COMPLETE BUILDING CONSTRUCTION.
17. ADD SURFACE COURSE OF ASPHALT.
18. SILT FENCES AND INLET PROTECTION SHALL REMAIN IN PLACE UNTIL AREAS ARE STABILIZED.



ALL AREAS THAT ARE LEFT UNDISTURBED FOR 7 DAYS SHALL RECEIVE SEED AND MULCH

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
 PLAINFIELD, INDIANA

PROJECT NO:	82429.12
DATE ISSUED:	10/18/2024
DESIGNED BY:	TAB
DRAWN BY:	SMB
CHECKED BY:	JGM

SHEET NAME:
 EROSION CONTROL PLAN

EROSION CONTROL NOTES

GUIDANCE ON EACH OF THE 23 BASIC PLAN ELEMENTS (SECTION A)

- A1 PLAN INDEX ITEMS RELATING TO THE SWPPP ARE INCLUDED AS THE FOLLOWING NOTE ON THIS SHEET.
- A2 REFER TO SHEET C-001 - COVER SHEET FOR THE VICINITY MAP .
- A3 THIS PROJECT INVOLVES THE CONSTRUCTION OF A 75,000 SQUARE FOOT WAREHOUSE WITH OFFICE, 10,700 SQUARE FOOT MAINTENANCE BUILDING, FUELING AREA FOR PRIVATE TRUCKS, TRAILER STAGING AREAS, TRUCK DOCKS, EMPLOYEE PARKING, STORM AND SANITARY SEWERS, AND OTHER SITE-RELATED UTILITIES.
- A4 LATITUDE N 39°43'30", LONGITUDE W 86°20'4"
- A5 REFER TO SHEET C-001 - COVER SHEET FOR THE LEGAL DESCRIPTION.
- A6 REFER TO SHEET C-200 - OVERALL SITE PLAN FOR THE LOT BOUNDARIES.
- A7 THERE ARE NO FLOODPLAINS, FLOODWAYS FRINGES, OR FLOODWAYS PRESENT ON THE SITE.
- A8 THE FOLLOWING ARE THE ADJACENT LAND USES TO THE SITE:
NORTH: COMMERCIAL
SOUTH: AGRICULTURAL
EAST: INDUSTRIAL
WEST: RESIDENTIAL
- A9 NO TOTAL MAXIMUM DAILY LOAD HAS BEEN ESTABLISHED NOR IS REQUIRED FOR THIS SITE.
- A10 THE ULTIMATE RECEIVING WATER IS WHITE LICK CREEK.
- A11 THERE ARE NO PROPOSED DISCHARGES TO ANY CURRENT 303(d) LIST OF IMPAIRED WATERS FOR THIS PROJECT.
- A12 REFER TO SHEET C-311 - EROSION CONTROL PLAN FOR THE SOILS MAP AND LEGEND. A COPY OF THE SOILS MAP IS ALSO INCLUDED ON THIS SHEET.
- A13 THERE ARE NO KNOWN WETLANDS, LAKES, OR WATER COURSES ON OR ADJACENT TO THE PROJECT SITE.
- A14 NO ADDITIONAL STATE OR FEDERAL WATER QUALITY PERMITS ARE REQUIRED FOR THIS PROJECT ASIDE FROM THE IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.
- A15 REFER TO SHEET C-101 - EXISTING CONDITIONS & DEMO PLAN FOR THE LIMITS OF EXISTING COVER.
- A16 REFER TO SHEET C-101 - EXISTING CONDITIONS & DEMO PLAN FOR THE EXISTING SITE TOPOGRAPHY AT 1-FOOT AND 5-FOOT INTERVALS.
- A17 REFER TO SHEET C-101 - EXISTING CONDITIONS & DEMO PLAN FOR AREAS WHERE RUNOFF WOULD ENTER THE SITE.
- A18 REFER TO SHEET C-301 - GRADING PLAN FOR AREAS WHERE RUNOFF LEAVES THE SITE.
- A19 REFER TO SHEET C-101 -EXISTING CONDITIONS & DEMO PLAN FOR THE LOCATION OF EXISTING STRUCTURES ON THE SITE.
- A20 REFER TO SHEET C-301 - GRADING PLAN FOR THE LOCATION OF THE PROPOSED DETENTION PONDS.
- A21 THERE ARE NO LOCATIONS OF POTENTIAL DISCHARGES TO GROUND WATER.
- A22 THE TOTAL PROJECT AREA IS 19.98 ACRES.
- A23 THE PROPOSED LAND DISTURBANCE IS 18 ACRES.
- A24 REFER TO SHEET C-301 GRADING PLAN FOR THE PROPOSED FINAL TOPOGRAPHY.
- A25 REFER TO SHEET C-310 EROSION CONTROL PLAN FOR THE LIMITS OF DISTURBANCE.
- A26 REFER TO SHEETS C-400 - C-401 UTILITY PLAN FOR THE LOCATION AND SIZE OF ALL PROPOSED STORMWATER DRAINAGE SYSTEMS.
- A27 REFER TO SHEETS C-400- C-401 UTILITY PLAN FOR AREAS WHERE STORMWATER AND NON-STORMWATER DISCHARGES LEAVE THE SITE. EXISTING DISCHARGE LOCATIONS WILL REMAIN IN THE PROPOSED DESIGN.
- A28 REFER TO SHEET C-400 - OVERALL UTILITY PLAN FOR THE LOCATION OF ALL PROPOSED UTILITY IMPROVEMENTS.
- A29 NO ON OR OFF-SITE STOCKPILES ARE ANTICIPATED AS A PART OF THIS PROJECT.
- A30 REFER TO SHEET C-310 - OVERALL EROSION CONTROL PLAN FOR THE PROPOSED STAGING AREA.
- A31 NO IN-STREAM ACTIVITIES ARE PROPOSED FOR THIS PROJECT.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION - CONSTRUCTION COMPONENT (SECTION B)

- B1 POTENTIAL POLLUTANT SOURCES DURING CONSTRUCTION ACTIVITIES INCLUDE CONCRETE WASTE WATER, TRASH, FOSSIL FUELS, OIL, GREASE, PAINT. EXPOSURE OF THESE POLLUTANTS TO STORM WATER RUNOFF SHOULD BE MINIMIZED BY PERFORMING ACTIVITIES SUCH AS EQUIPMENT STORAGE, REFUELING, MAINTENANCE AND PORT-A-LET PLACEMENT IN DESIGNATED AREAS AS SHOWN ON SHEETS C310 EROSION CONTROL PLAN.
- B2 STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS ARE SHOWN ON SHEET C310 EROSION CONTROL PLAN AND DETAILS ARE INCLUDED IN THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B3 A SEEDING SCHEDULE IS INCLUDED ON SHEET 21 OF THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B4 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS INCLUDE INLET PROTECTION AND ROCK DONUTS, THESE ARE SHOWN ON SHEETS C310 EROSION CONTROL PLAN. DETAILS ARE PROVIDED ON SHEET 20 OF THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B5 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS INCLUDE SILT FENCING AND EROSION CONTROL BLANKETS, THESE ARE SHOWN ON SHEET C310 EROSION CONTROL PLAN. DETAILS ARE PROVIDED WITHIN THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B6 RUNOFF CONTROL MEASURES INCLUDE ROCK CHECK DAMS AND ARE SHOWN ON SHEET C310 EROSION CONTROL PLAN AND DETAILS ARE INCLUDED HEREIN AND WITHIN THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B7 STORM WATER OUTLET PROTECTION MEASURES INCLUDE RIP-RAP AND ARE LOCATED ON SHEETS C310 EROSION CONTROL PLAN, SPECIFICATIONS AND DETAILS ARE INCLUDED ON SHEET 19 OF THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B8 GRADE STABILIZATION MEASURES INCLUDE RIPRAP AND EROSION CONTROL BLANKET. SEE SHEET C310 EROSION CONTROL PLAN FOR LOCATION. DETAILS ARE PROVIDED WITH THE PLAINFIELD, INDIANA, TOWN STANDARDS.
- B9 DEWATERING APPLICATIONS ARE NOT APPLICABLE FOR THIS PROJECT.
- B10 WORK WITHIN WATERBODIES ARE NOT APPLICABLE FOR THIS PROJECT.
- B11 THE MAINTENANCE GUIDELINES FOR THE TEMPORARY BMPS ARE PROVIDED IN THE EROSION CONTROL SCHEDULE LOCATED ON THIS SHEET.
- B12 REFER TO SHEET C-310 EROSION CONTROL PLAN FOR THE PROPOSED CONSTRUCTION SEQUENCE.
- B13 THERE ARE NO INDIVIDUAL RESIDENTIAL BUILDING LOTS REGULATED UNDER THE PROPOSED PROJECT.

B14/B15: MATERIAL HANDLING, STORAGE AND SPILL PREVENTION PLAN:
IN ORDER TO MINIMIZE THE RELEASE OF POTENTIAL POLLUTANTS DURING CONSTRUCTION THE SITE CONTRACTOR SHALL IMPLEMENT THIS MATERIAL HANDLING AND SPILL PREVENTION PLAN. THE SITE CONTRACTOR SHALL REVIEW THIS PLAN WITH ALL SUBCONTRACTORS AND REQUIRE THAT THEY IMPLEMENT THE PLAN AS WELL. IF A SPILL SHOULD OCCUR PLEASE CONTACT THE APPROPRIATE AUTHORITIES BELOW:

- EMERGENCY RESPONSE
911
- PLAINFIELD FIRE DEPARTMENT
(317)839-6939
- PLAINFIELD POLICE DEPARTMENT
(317)839-8700
- INDIANA DEPARTMENT OF NATURAL RESOURCES
(812)477-8773
- INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(317)233-7745
- HEDNRICKS COUNTY SOIL AND WATER
(317)745-2555

- 1. CONSTRUCTION EQUIPMENT
- A. FUELING, LUBRICATION, AND FLUIDS: ALL OPERATIONS INVOLVING THE ADDITION OF FLUIDS TO EQUIPMENT SHOULD BE DONE IN ONE LOCATION, AS DESIGNATED ON SHEET C301, SO THAT SPILLS ARE LIMITED TO THAT SPECIFIC LOCATION WHICH WILL FACILITATE THE CLEANUP OF SPILLS. IF AN OUTSIDE FUELING TANK IS PLANNED TO BE ON SITE, IT SHALL BE DOUBLE WALLED AND STORED IN THIS DESIGNATED AREA. THIS LOCATION IS AN AREA THAT WILL NOT ALLOW SPILLED FLUIDS TO MIGRATE INTO SUBSURFACE SOILS. IN THE EVENT OF A SPILL, THE FLUID SHALL IMMEDIATELY BE CLEANED UP BY REMOVING THE CONTAMINATED SOIL OR STONE WHICH SHALL BE DISPOSED OF IN AN ACCEPTABLE MANNER. SPILLS ON HARD SURFACES SHALL BE SOAKED UP BY AN ACCEPTABLE MATERIAL SUCH AS OIL DRY AND THE ABSORBENT MATERIAL DISPOSED OF IN A PROPER MANNER. THE SPILL SHALL ALSO BE REPORTED IMMEDIATELY TO THE CONTRACTOR'S SUPERINTENDENT.
- B. EQUIPMENT REPAIR, ESPECIALLY WHEN FLUIDS MUST BE REMOVED FROM THE EQUIPMENT OR THE POSSIBILITY OF FLUID SPILLS IS HIGH, SHOULD ALWAYS BE DONE OFFSITE AT A FACILITY THAT IS MORE SUITABLE THAN A CONSTRUCTION SITE TO HANDLE SPILLS. WHEN EQUIPMENT MUST BE REPAIRED ONSITE, IT SHOULD BE MOVED TO THE MAINTENANCE AND FUELING AREA IF POSSIBLE. OTHERWISE, SUITABLE ON SITE CONTAINERS SHOULD BE PLACED UNDER THE EQUIPMENT DURING REPAIR TO CATCH ANY SPILLED FLUIDS AND THESE FLUIDS SHOULD BE DISPOSED OF IN A PROPER MANNER.
- C. ALL REUSABLE FLUID CONTAINERS, SUCH AS GASOLINE CANS, SHALL BE INSPECTED FOR LEAKS EACH TIME THEY ARE USED. IF LEAKS ARE FOUND, THE FLUID SHALL BE REMOVED FROM THE CONTAINER IN A PROPER MANNER AND THE CONTAINER DISPOSED OF IN AN ACCEPTABLE MANNER. EMPTY DISPOSABLE CONTAINERS, SUCH AS GREASE TUBES AND LUBRICATING OIL AND BRAKE FLUID CONTAINERS, AND THEIR PACKAGING, SHALL BE DISPOSED OF IN A PROPER MANNER AND SHALL NOT BE LEFT ON THE GROUND OR IN THE OPEN ON THE CONSTRUCTION SITE.

- 2. CONSTRUCTION MATERIALS AND THEIR PACKAGING
- A. EROSION CONTROL MEASURES SHOWN ON THESE PLANS SHALL BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION IN THE PROPER SEQUENCING TO MINIMIZE SOIL EROSION. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED ELSEWHERE IN THESE PLANS. EXCESSIVE DUSTING OF SOIL ON THE SITE SHALL BE MINIMIZED BY REDUCING CONSTRUCTION TRAFFIC ACROSS BARE SOIL DURING DRY AND/OR WINDY WEATHER, AND BY APPLYING WATER OR OTHER ACCEPTABLE DUST CONTROL MEASURES TO THE SOIL UPON COMPLETION OF CONSTRUCTION AND SUITABLE ESTABLISHMENT OF PERMANENT VEGETATION. TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE, CHECK DAMS, AND INLET PROTECTION DEVICES SHALL BE REMOVED IN A MANNER TO MINIMIZE ADDITIONAL LAND DISTURBANCE. ANY AREAS DISTURBED BY THESE OPERATIONS SHALL BE PROPERLY REVEGETATED.
- B. LARGE WASTE MATERIALS CREATED BY CUTTING, SAWING, DRILLING, OR OTHER OPERATIONS SHALL BE PROPERLY DISPOSED OF IN SUITABLE ONSITE WASTE CONTAINERS. THE SITE SHALL BE CHECKED AT THE END OF THE DAY, AT A MINIMUM, AND ALL WASTE MATERIALS, INCLUDING THOSE BLOWN ACROSS OR OFF THE SITE BY WIND, SHALL BE PICKED UP AND DISPOSED OF IN SUITABLE CONTAINERS. WHERE POSSIBLE, OPERATIONS SUCH AS SAWING THAT CREATE SMALL PARTICLES SHOULD BE PERFORMED IN ONE SPOT IN AN AREA PROTECTED FROM WIND, AND WASTE PARTICLES COLLECTED AND DISPOSED OF FREQUENTLY TO MINIMIZE WIND DISPERSAL. PACKAGING USED TO TRANSPORT MATERIALS TO THE SITE FOR CONSTRUCTION OF THE FACILITY SHALL BE DISPOSED OF PROPERLY, WHETHER THE MATERIAL IS TAKEN OUT OF ITS ORIGINAL CONTAINER OR INCORPORATED INTO THE PROJECT IMMEDIATELY OR STORED ONSITE FOR FUTURE USE. PACKAGED MATERIALS STORED ONSITE SHALL BE INSPECTED REGULARLY AND ANY LOOSE PACKAGING SHALL BE REPAIRED OR DISPOSED OF PROPERLY.
- C. ALL DEWATERING ACTIVITIES SHALL BE DONE IN ACCORDANCE TO GOOD EROSION CONTROL PRACTICES. THESE PRACTICES SHOULD INCLUDE THE USE OF DIRTY BAGS SUCH AS DANDY DIRTY BAGS. THE USE OF THESE TYPES OF DEWATERING DEVICES WILL REMOVE LARGE QUANTITIES OF SILT, SEDIMENT, AND DIRT AND PREVENT THESE MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.
- D. IF THE USE OF LIME IS USED TO STABILIZE THE SOIL OF THE SITE THEN ALL CONSTRUCTION EQUIPMENT USED SHALL BE CLEANED OF ALL EXCESS MATERIAL WITH WATER IN THE CONSTRUCTION STAGING AREA AS SHOWN WITHIN THESE PLANS.
- E. NUTRIENTS AND FERTILIZERS SHALL ONLY BE USED TO ESTABLISH RAPID VEGETATION. WHEN THESE PRODUCTS ARE UTILIZED, THE USER SHOULD PAY STRICT ATTENTION TO THE PRODUCTS RECOMMENDED USAGE.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION - POST CONSTRUCTION COMPONENT (SECTION C)

- C1 EXPECTED POLLUTANTS WILL BE MINIMAL IN NATURE, POST-DEVELOPMENT. OIL, GREASE, ANTIFREEZE, GASOLINE, ETC. MAY OCCUR IN LIMITED AMOUNTS AS A RESULT OF THE MAJORITY OF THIS PROJECT SITE BEING USED FOR TEMPORARY CUSTOMER PARKING. THE ONLY OTHER REASONABLY FORESEEN POLLUTION FROM THIS SITE WILL BE LITTER AND TRASH DUMPED BY VISITORS TO THE RETAIL STORES.
- C2 THIS SITE HAS THREE EXISTING EXTENDED DRY DETENTION BASINS THAT WERE ORIGINALLY DESIGNED TO CONTAIN RUNOFF THROUGHOUT ALL FUTURE EXPANSIONS AND FUTURE INCREASE IN IMPERVIOUS AREA. THE EXISTING BASINS ARE SUFFICIENT TO MINIMIZE THE GENERATION OF POST-CONSTRUCTION POLLUTANTS FOR THIS PHASE 3 EXPANSION.
- C3 PROPOSED DETENTION BASINS ARE SHOWN ON SHEET C-301.
- C4 PROPOSED DETENTION BASINS ARE SHOWN ON SHEET C-301.
- C5 MAINTENANCE OF ALL STORM WATER POLLUTION PREVENTION MEASURES WILL BE THE RESPONSIBILITY OF THE PROJECT OWNER, UNITED STATES COLD STORAGE, UTILIZING PROCEDURES OUTLINED ON THESE PLANS. THE MAINTENANCE GUIDELINES CONSIST MOSTLY OF GOOD HOUSEKEEPING MEASURES. ANY GRASSED OR VEGETATED AREAS THAT EXPERIENCE EROSION FROM RAINFALL EVENTS SHOULD BE REPAIRED AND REVEGETATED AS SOON AS POSSIBLE. TRASH OR LITTER SHOULD BE PICKED UP AND PROPERLY DISPOSED TO PREVENT IT FROM GETTING INTO THE STORM DRAINAGE SYSTEM AND DOWNSTREAM WATERWAYS.

MAINTENANCE OF EXISTING EXTENDED DRY DETENTION BASINS SHALL CONTINUE THROUGHOUT CONSTRUCTION AND SIMILARLY AFTER CONSTRUCTION HAS BEEN FINALIZED. GUIDELINES CAN BE FOUND ON THIS SHEET IN THE EROSION CONTROL SCHEDULE.

EROSION OF THE STEEP BANKS OF ANY BERMS, SWALES, OR PONDS SHOULD BE ADDRESSED AS SOON AS IT BECOMES VISIBLE BY FILLING THE ERODED AREA WITH SUITABLE SOIL AND ESTABLISHING VEGETATION IMMEDIATELY, PREFERABLY BY SODDING.

PAVEMENT AREAS SHOULD BE MONITORED FOR POLLUTANTS. ANY LARGE QUANTITIES OF FLUIDS SUCH AS OIL, ANTIFREEZE, BRAKE FLUID, ETC. FOUND ON THE PAVEMENT SHOULD BE REPORTED TO THE OWNER. THE OWNER SHOULD CLEAN THE POLLUTANTS AND PREVENT THE SOURCE FROM ENTERING THE SITE IN THE FUTURE. FINALLY, PAVEMENTS SHOULD ALSO BE MONITORED FOR SEDIMENT COMING FROM VEGETATIVE AREAS. IF POST CONSTRUCTION EROSION IS OCCURRING, THE SOURCE SHOULD BE RE-STABILIZED AS SOON AS POSSIBLE BY SEEDING, SODDING OR MULCHING.

C6 RESPONSIBLE PARTY:

GENERAL NOTES

- 1. THE SITE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORM WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES AND UNUSED BUILDING MATERIALS, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED.
- 2. PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER.
- 3. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL, AND FOLLOWING THE PLANS AND SPECIFICATIONS INCLUDED HEREIN.
- 4. ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S "INDIANA STORM WATER QUALITY MANUAL" DATED OCTOBER 2007.

SOILS LEGEND

MAP UNIT SYMBOL	HYDROLOGIC SOIL GROUP (HSG)	MAP UNIT NAME
CrA	C/D	CROSBY SILT LOAM, FINE-LOAMY SUBSOIL, 0-2% SLOPES
MmB2	C	MIAMI SILT LOAM, 2-6% SLOPES, ERODED
MmC2	C	MIAMI SILT LOAM, 6-12% SLOPES, ERODED
MsB3	C	MIAMI CLAY LOAM, 2-6%, SEVERELY ERODED
Sh	B/D	SHOALS SILT LOAM, 0-2% SLOPES, FREQUENTLY ERODED, BRIEF DURATION
YbvA	B/D	BROOKSTON SILTY CLAY LOAM-URBAN LAND COMPLEX, 0-2% SLOPES

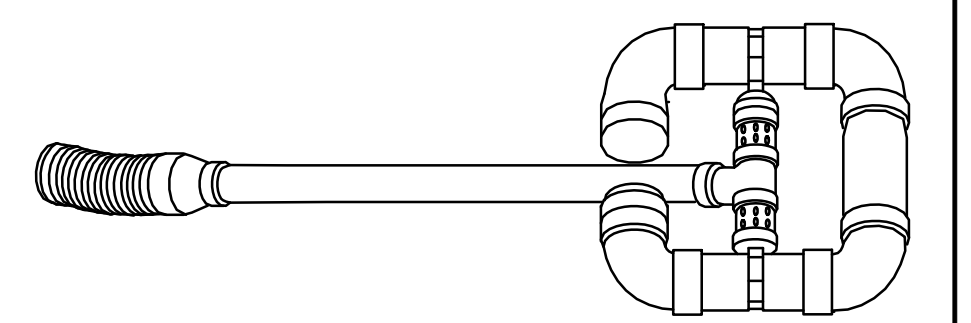
EROSION CONTROL SCHEDULE

EROSION CONTROL MEASURE	MAINTENANCE	INSTALLATION SEQUENCE
CONSTRUCTION ENTRANCE	INSPECT WEEKLY, AFTER STORM EVENTS, AND AFTER HEAVY USE; RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL; TOP DRESS WITH CLEAN STONE AS NEEDED; REMOVE ALL MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS IMMEDIATELY	PRIOR TO CLEARING AND GRADING
SILT FENCE	INSPECT AFTER STORM EVENTS; REPAIR ANY AREAS OF DECOMPOSITION OR DAMAGE TO FENCE MATERIAL; REMOVE SEDIMENT AT DEPTH OF ONE HALF FENCE HEIGHT AT LOWEST POINT OR IF FABRIC BULGES; AVOID UNDERMINING DURING CLEANOUT	PRIOR TO CLEARING AND GRADING
EXISTING INLET PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO CLEARING AND GRADING
CHECK DAMS	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO CLEARING AND GRADING
ROCK DONUT	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TEMPORARY SEEDING	INSPECT PERIODICALLY TO VERIFY ADEQUATE ESTABLISHMENT OF VEGETATIVE STANDS; RESEED AND MULCH AS NEEDED; INSPECT AFTER STORM EVENTS AND REPAIR EROSION DAMAGE; TOP DRESS FALL SEEDED WHEAT OR RYE SEEDINGS WITH 50 LBS/AC OF NITROGEN IN FEBRUARY OR MARCH IF NITROGEN DEFICIENCY IS APPARENT; WATER AS NEEDED	AFTER ROUGH GRADING
PERMANENT SEEDING	INSPECT PERIODICALLY AND AFTER STORM EVENTS UNTIL VEGETATIVE STAND IS ESTABLISHED; ADD FERTILIZER AFTER GROWING SEASON PER SOIL TEST RECOMMENDATIONS; REPAIR DAMAGED, BARE, OR SPARSE AREAS BY FILLING, RE-PREPARING THE SEED BED, FERTILIZING, AND/OR SEEDING AND MULCHING	AFTER FINISH GRADING OF EACH AREA
EROSION CONTROL BLANKET	INSPECT FOR AREAS OF EROSION BELOW THE BLANKET AFTER EACH STORM EVENT; REPAIR AREAS OF EROSION BY REMOVING AFFECTED PORTION OF BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE BLANKET; INSPECT PERIODICALLY AFTER VEGETATION IS ESTABLISHED	AFTER FINISH GRADING
INLET PROTECTION	INSPECT FABRIC BARRIER AFTER STORM EVENTS AND MAKE NEEDED REPAIRS IMMEDIATELY; REMOVE SEDIMENT FROM THE POOL AREA WHILE AVOIDING DAMAGING OR UNDERCUTTING THE FABRIC	AFTER EACH INLET IS PLACED
SEED, SOO & LANDSCAPE AROUND UNITS FINISHED	KEEP SOO MOIST UNTIL FULLY ROOTED; WATER AS NEEDED	AFTER FINISHED GRADING AROUND FINISHED UNITS
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF TREE PROTECTION FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED



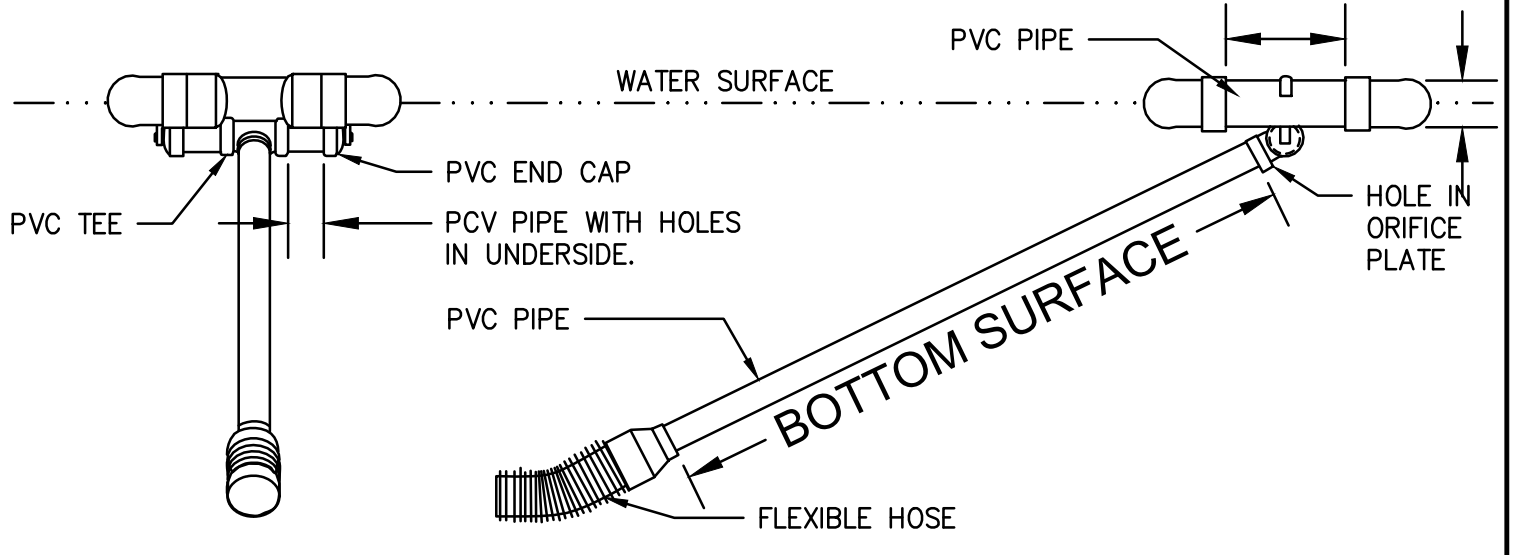
SOILS MAP
NO SCALE

SKIMMER PERSPECTIVE



SKIMMER FRONTAL SECTION VIEW

SKIMMER SIDE SECTION VIEW



TEMPORARY SKIMMER OUTLET

NO SCALE

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

Layout Tab Name: C-312 EROSION CONTROL DETAILS
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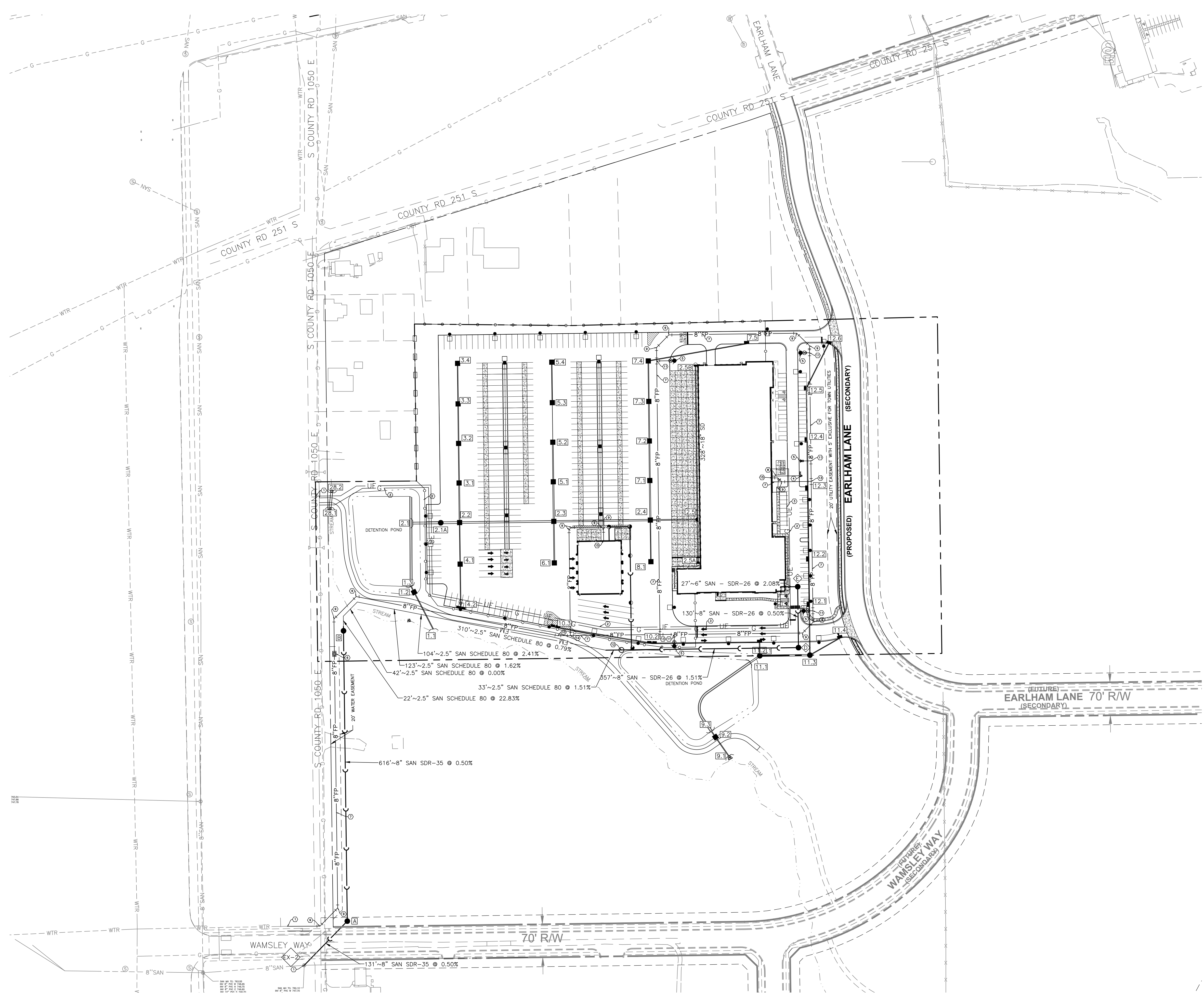
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
PLAINFIELD, INDIANA

PROJECT NO: 82429.12
DATE ISSUED: 10/18/2024
DESIGNED BY: TAB
DRAWN BY: SMB
CHECKED BY: JGM

SHEET NAME:
**EROSION CONTROL
DETAILS**

SHEET NO:
C-312

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LEGEND

	UNDERGROUND ELECTRIC
	WATER
	SANITARY SEWER
	STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATER
	EXISTING FIRE PROTECTION
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TELECOM
	EXISTING GAS
	CATCH BASIN
	STORM MANHOLE
	STORM DOWNSPOUT
	STORM HEADWALL
	STORM STRUCTURE ID
	FIRE HYDRANT
	SANITARY MANHOLE
	SANITARY CLEANOUT
	SANITARY STRUCTURE ID
	EXISTING SANITARY STRUCTURE
	EXISTING STORM STRUCTURE

- ### KEYNOTES (X)
- CONNECT TO EXISTING UTILITY PER AGENCY REQUIREMENTS
 - UNDERGROUND ELECTRIC
 - GAS SERVICE
 - FREE STANDING SPRINKLER. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - FIRE HYDRANT. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - PRIVATE DISTRIBUTION WATER METER PIT. SEE SHEET 13 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 8" DUCTILE IRON FIRE PROTECTION LINE LOOP. SEE SHEETS 11 & 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 6" DUCTILE IRON FIRE PROTECTION LINE. SEE SHEETS 11 & 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 45" WATER BEND. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 11.25" WATER BEND. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 8"x8"x6" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - SANITARY SEWER E-ONE WH484 GRINDER PUMP STATION
 - 8"x8"x8" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 8"x8"x2" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
 - 2" TYPE K COPPER DOMESTIC WATER SERVICE

- ### NOTES
- SEE SHEET C-002 FOR GENERAL NOTES.
 - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
 - REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS AND MEP PLANS FOR CONTINUATION INTO BUILDING.
 - ALL PROPOSED PIPE SLOPES SHOWN ARE MINIMUM REQUIRED. CONTRACTOR SHALL CONFIRM ACTUAL SLOPES REQUIRED BASED ON EXISTING INVERT ELEVATIONS.
 - ALL STORM PIPE MATERIAL SHALL BE EITHER RCP OR HP STORM.
 - ALL WATER SERVICE PIPE MATERIAL SHALL BE EITHER PVC OR DUCTILE IRON PER WATER DEPARTMENT REQUIREMENTS.
 - ALL SANITARY PIPE MATERIAL SHALL BE SDR 35 PER SANITARY SEWER DEPARTMENT REQUIREMENTS.
 - CONTRACTOR TO PRACTICE CAUTION WHEN WORKING IN AREA OF EXISTING UTILITIES.

N

GRAPHIC SCALE IN FEET

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

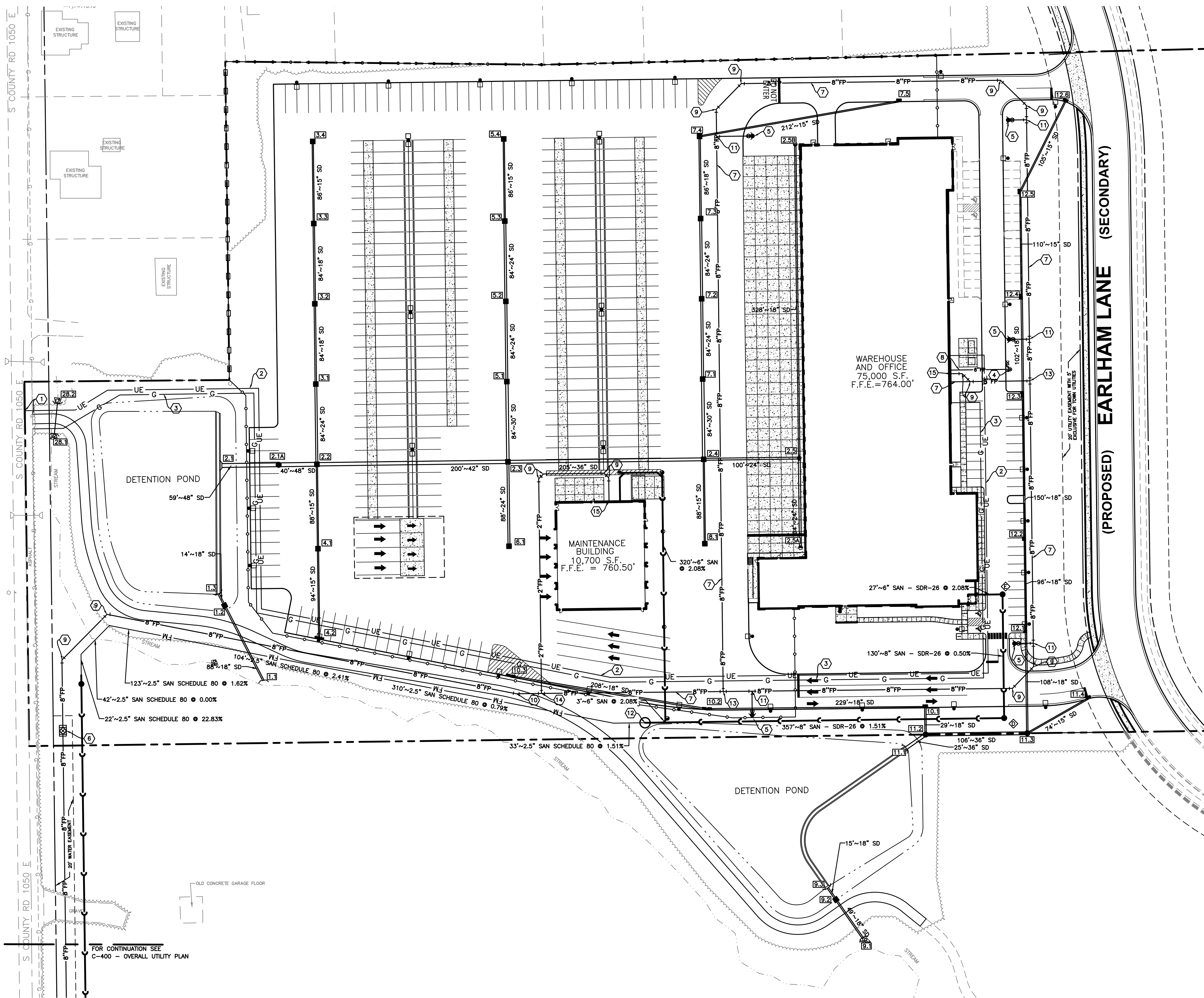
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
 PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: TAB
 DRAWN BY: SMB
 CHECKED BY: GM

SHEET NAME:
OVERALL UTILITY PLAN

SHEET NO:
C-400

Layout Tab Name: UTILITY PLAN
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LEGEND

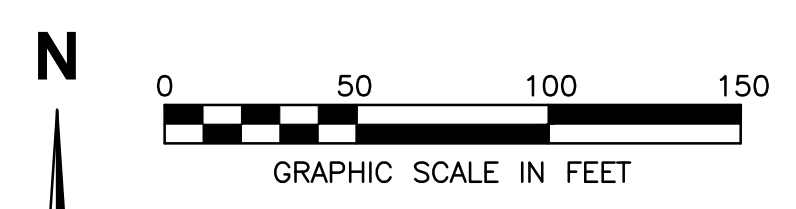
- UE — UNDERGROUND ELECTRIC
- WTR — WATER
- SAN — SANITARY SEWER
- FM — SANITARY SEWER FORCE MAIN
- SS — STORM SEWER
- SAN — EXISTING SANITARY SEWER
- SD — EXISTING STORM SEWER
- WTR — EXISTING WATER
- FP — EXISTING FIRE PROTECTION
- UE — EXISTING UNDERGROUND ELECTRIC
- UT — EXISTING UNDERGROUND TELECOM
- G — EXISTING GAS
- CATCH BASIN
- STORM MANHOLE
- STORM DOWNSPOUT
- STORM HEADWALL
- STORM STRUCTURE ID
- FIRE HYDRANT
- SANITARY MANHOLE
- SANITARY CLEANOUT
- SANITARY STRUCTURE ID
- EXISTING SANITARY STRUCTURE
- EXISTING STORM STRUCTURE

KEYNOTES

1. CONNECT TO EXISTING UTILITY PER AGENCY REQUIREMENTS
2. UNDERGROUND ELECTRIC
3. GAS SERVICE
4. FREE STANDING SPRINKLER. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
5. FIRE HYDRANT. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
6. PRIVATE DISTRIBUTION WATER METER PIT. SEE SHEET 13 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
7. 8" DUCTILE IRON FIRE PROTECTION LINE LOOP. SEE SHEETS 11 & 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
8. 6" DUCTILE IRON FIRE PROTECTION LINE. SEE SHEETS 11 & 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
9. 45" WATER BEND. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
10. 11.25" WATER BEND. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
11. 8"x8"x6" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
12. SANITARY SEWER E-ONE WH484 GRINDER PUMP STATION
13. 8"x8"x8" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
14. 8"x8"x2" WATER TEE. SEE SHEET 12 OF PLAINFIELD TOWN STANDARDS FOR DETAILS
15. 2" TYPE K COPPER DOMESTIC WATER SERVICE

NOTES

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2. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS AND MEP PLANS FOR CONTINUATION INTO BUILDING.
3. ALL PROPOSED PIPE SLOPES SHOWN ARE MINIMUM REQUIRED. CONTRACTOR SHALL CONFIRM ACTUAL SLOPES REQUIRED BASED ON EXISTING INVERT ELEVATIONS.
4. ALL STORM PIPE MATERIAL SHALL BE EITHER RCP OR HP STORM.
5. ALL WATER SERVICE PIPE MATERIAL SHALL BE DUCTILE IRON PER WATER DEPARTMENT REQUIREMENTS.
6. ALL SANITARY PIPE MATERIAL SHALL BE SDR 35 PER SANITARY SEWER DEPARTMENT REQUIREMENTS.
7. CONTRACTOR TO PRACTICE CAUTION WHEN WORKING IN AREA OF EXISTING UTILITIES.
8. ALL UTILITY MATERIALS AND INSTALLATION METHODS SHALL FOLLOW PLAINFIELD TOWN STANDARD DETAILS.



ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

INDIANA LIFE SCIENCES PARK

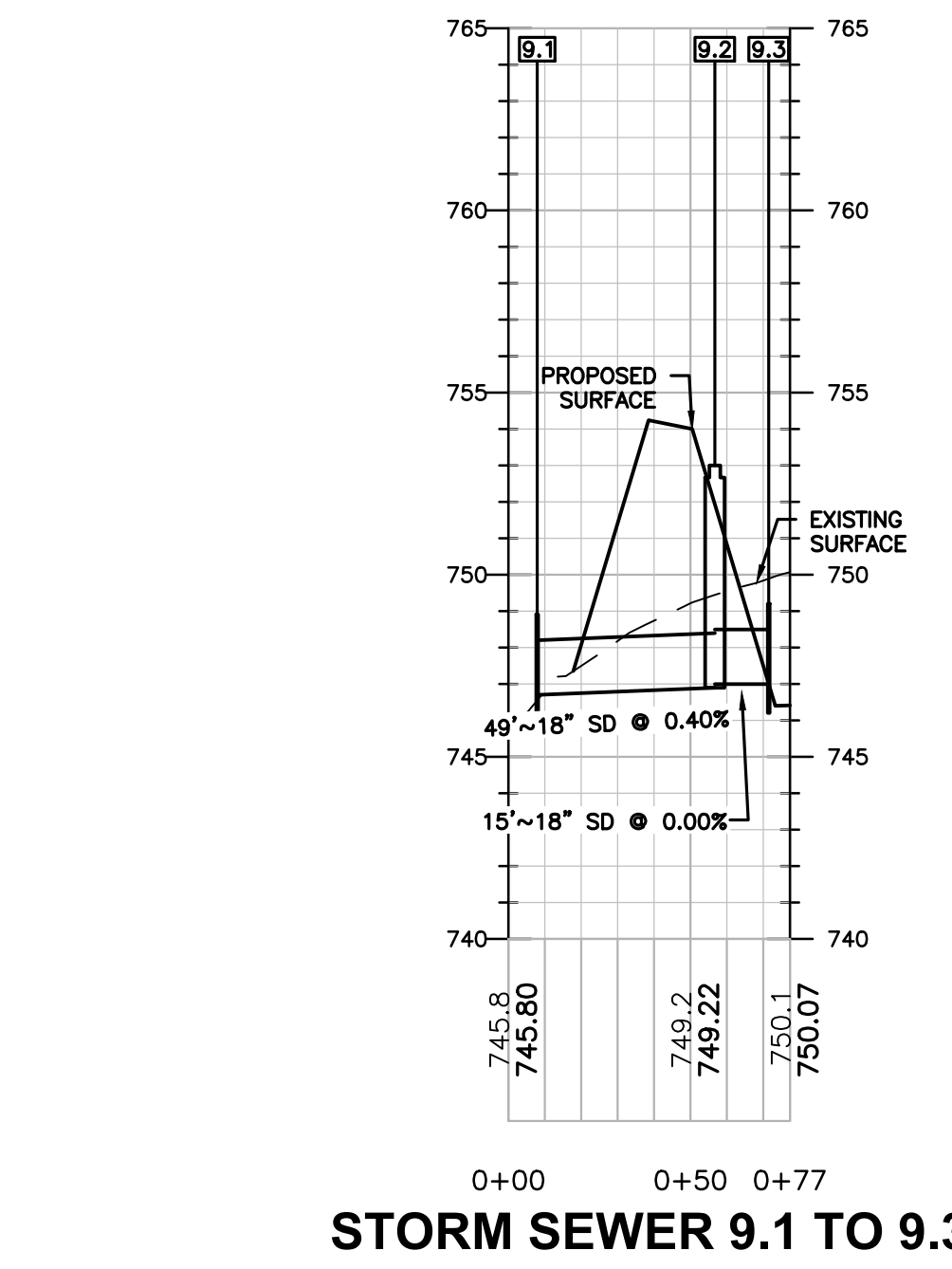
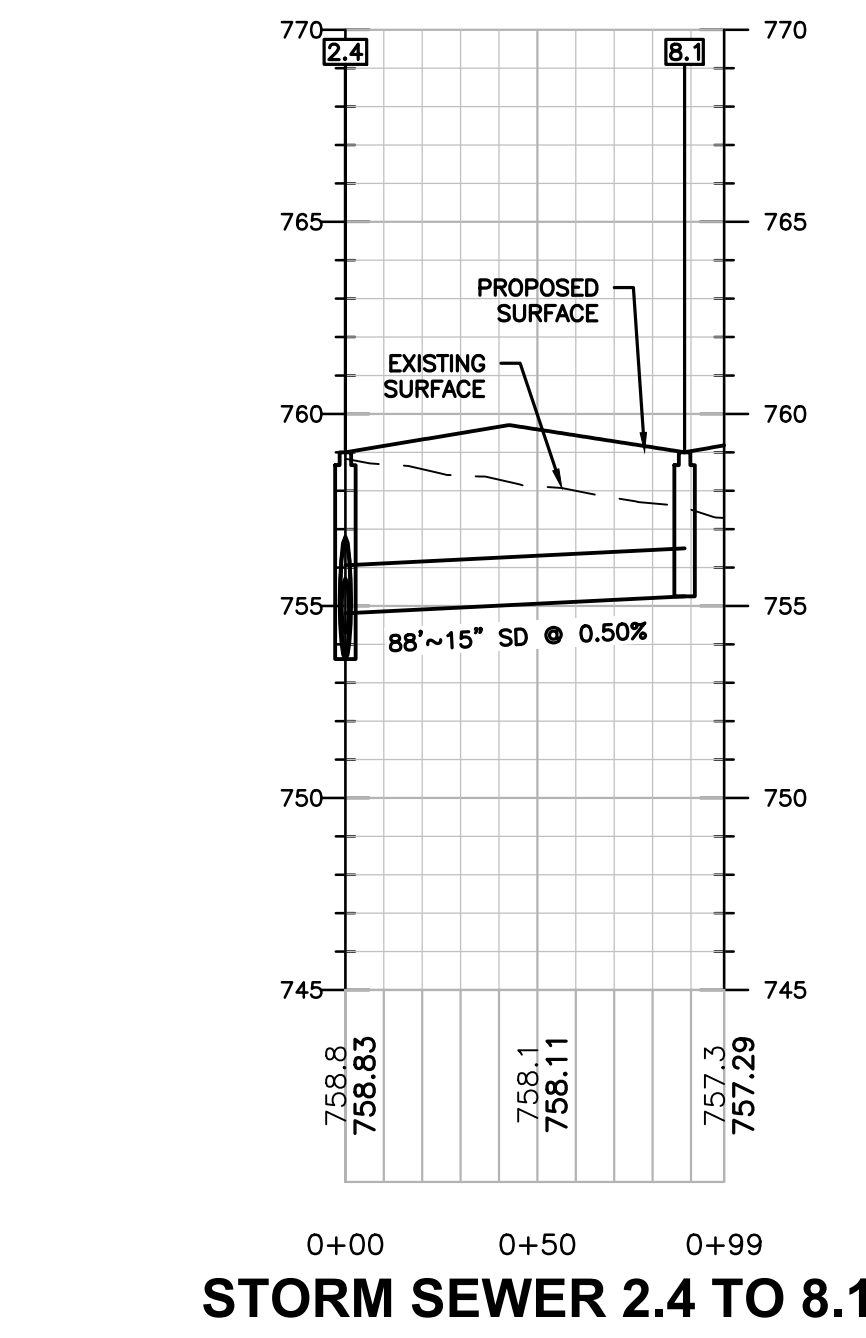
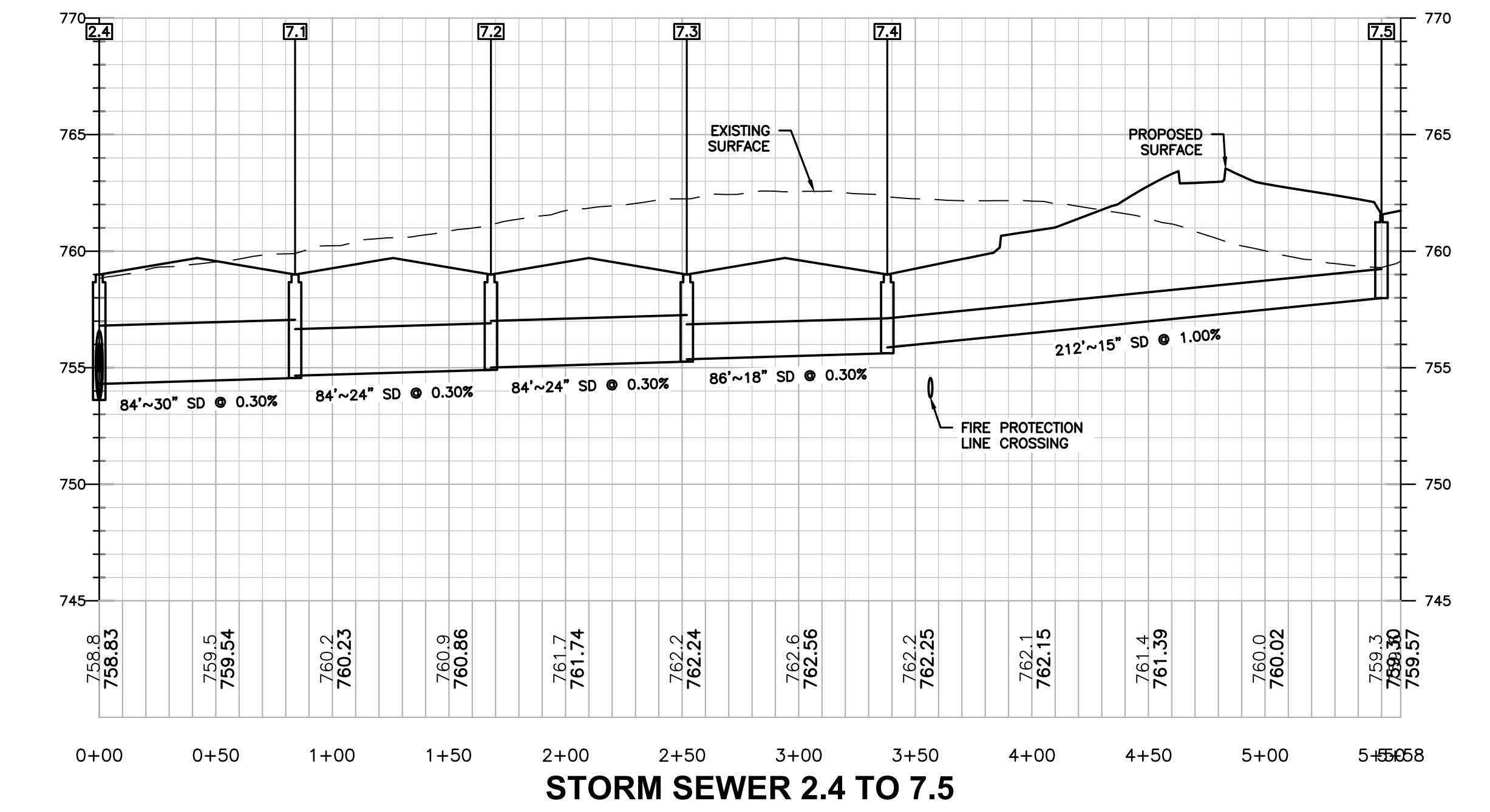
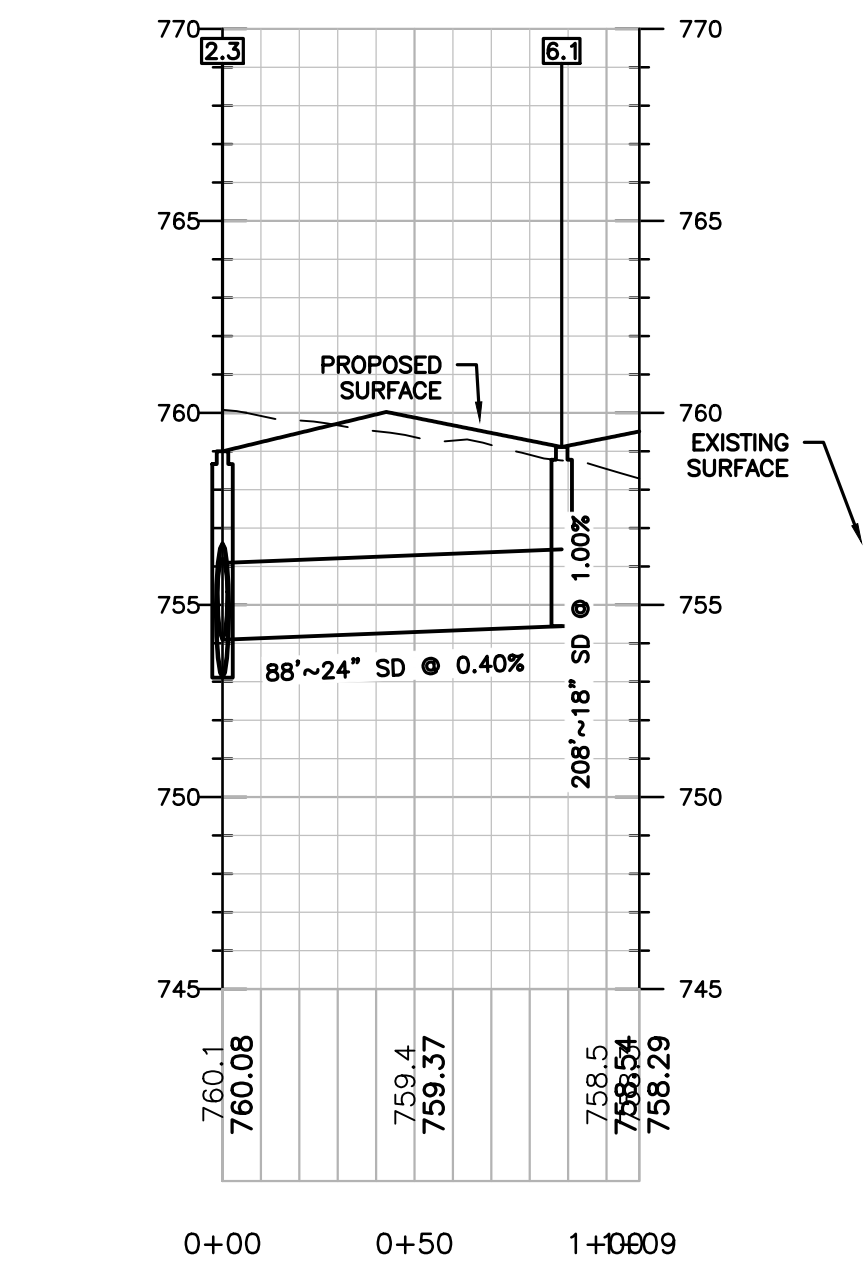
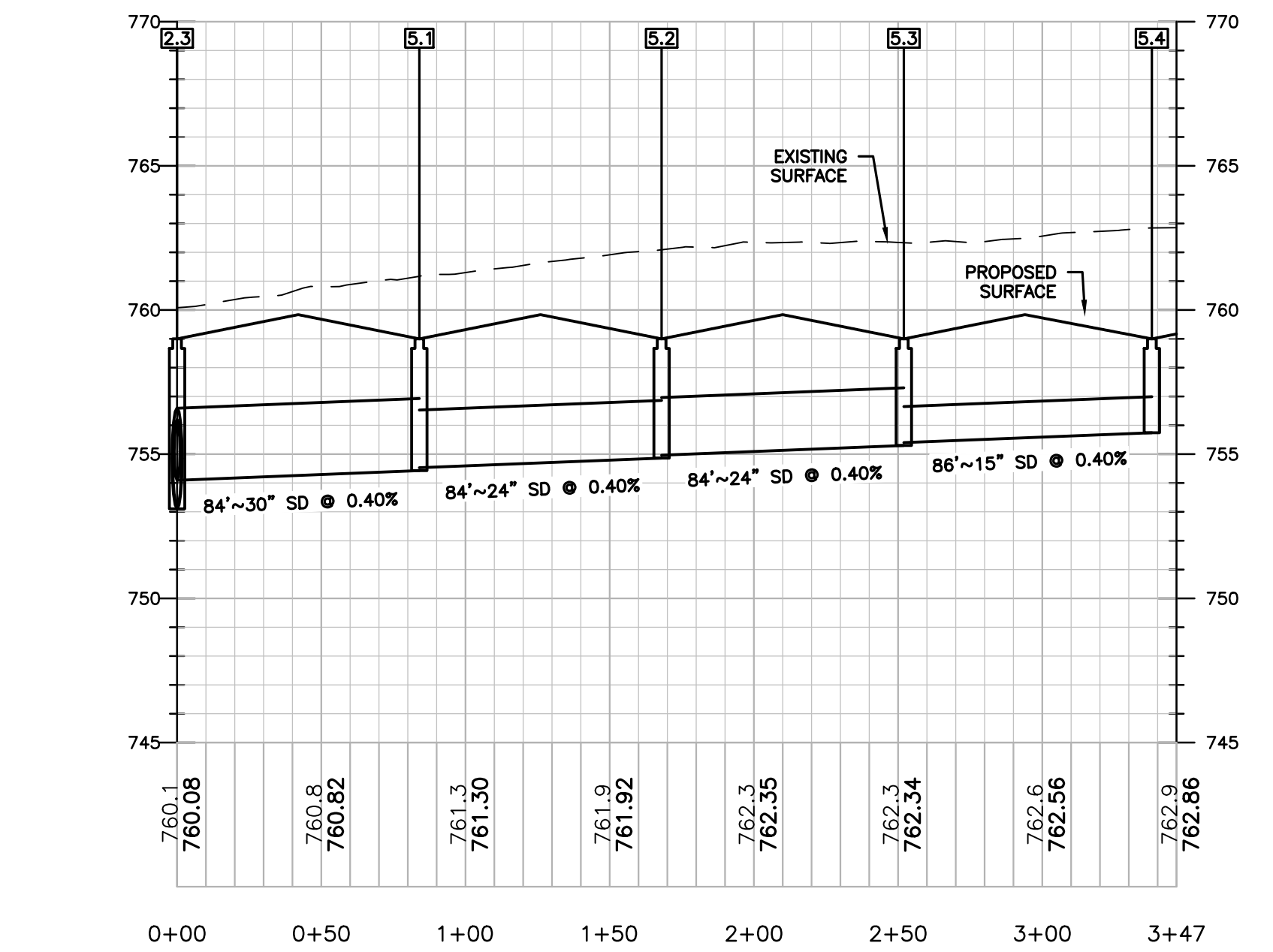
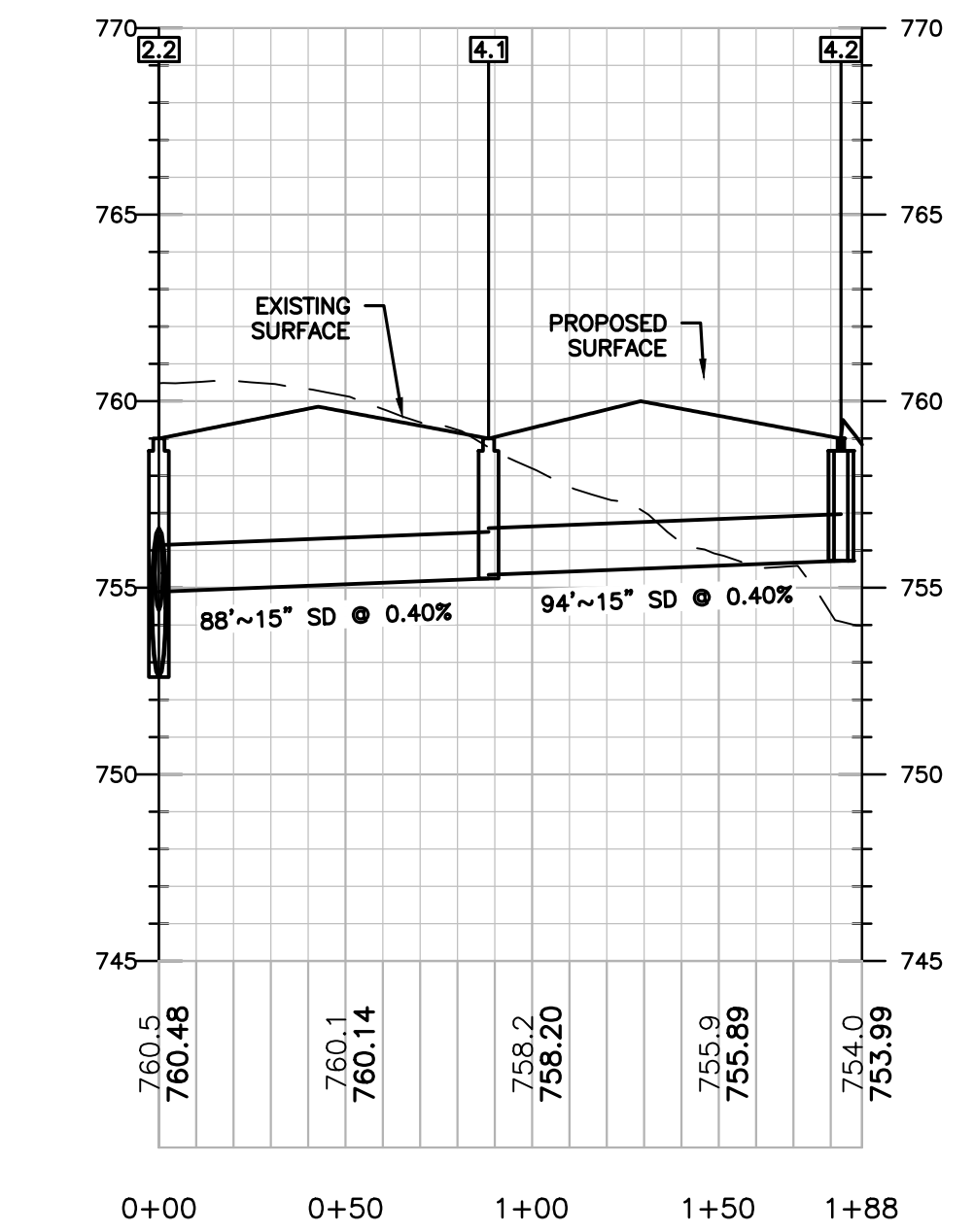
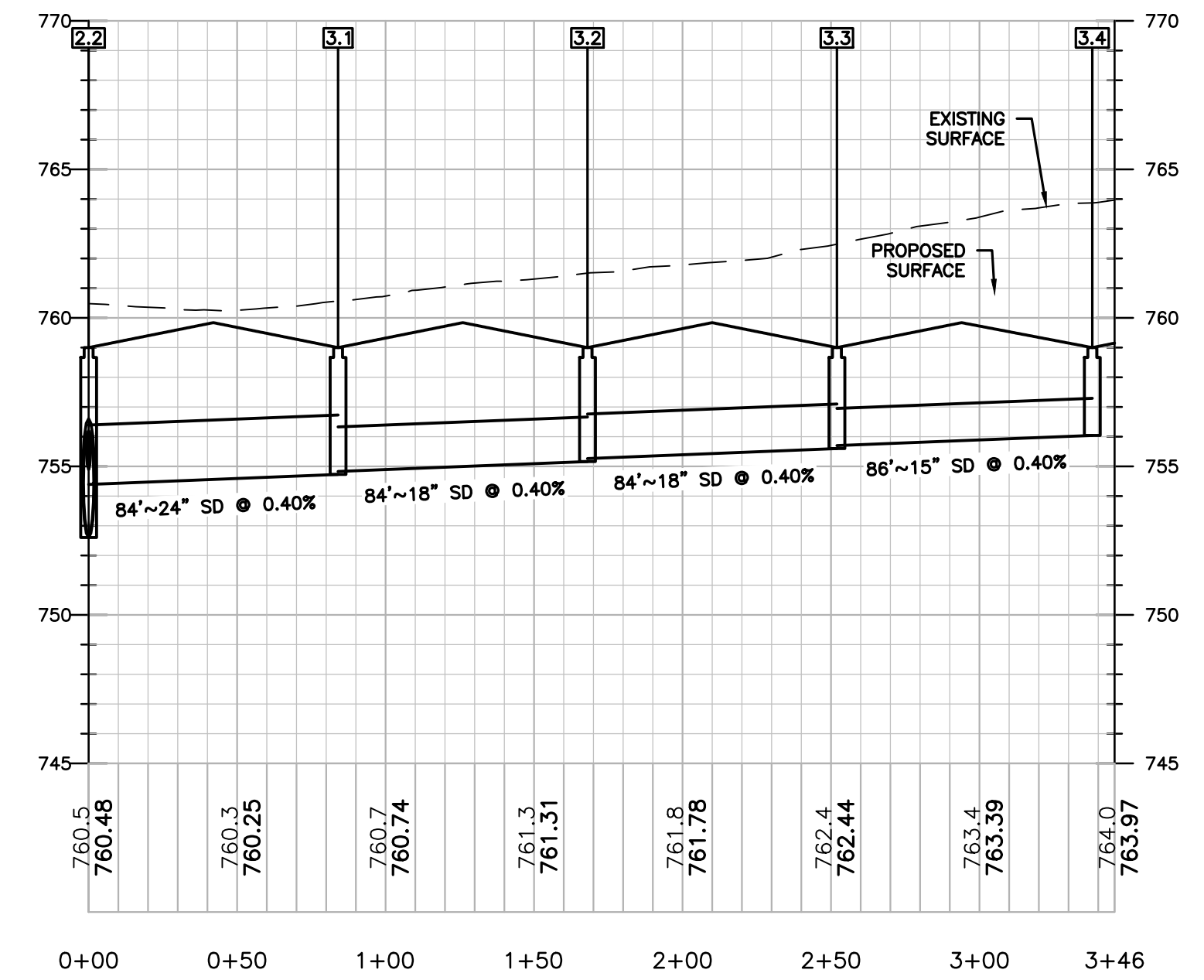
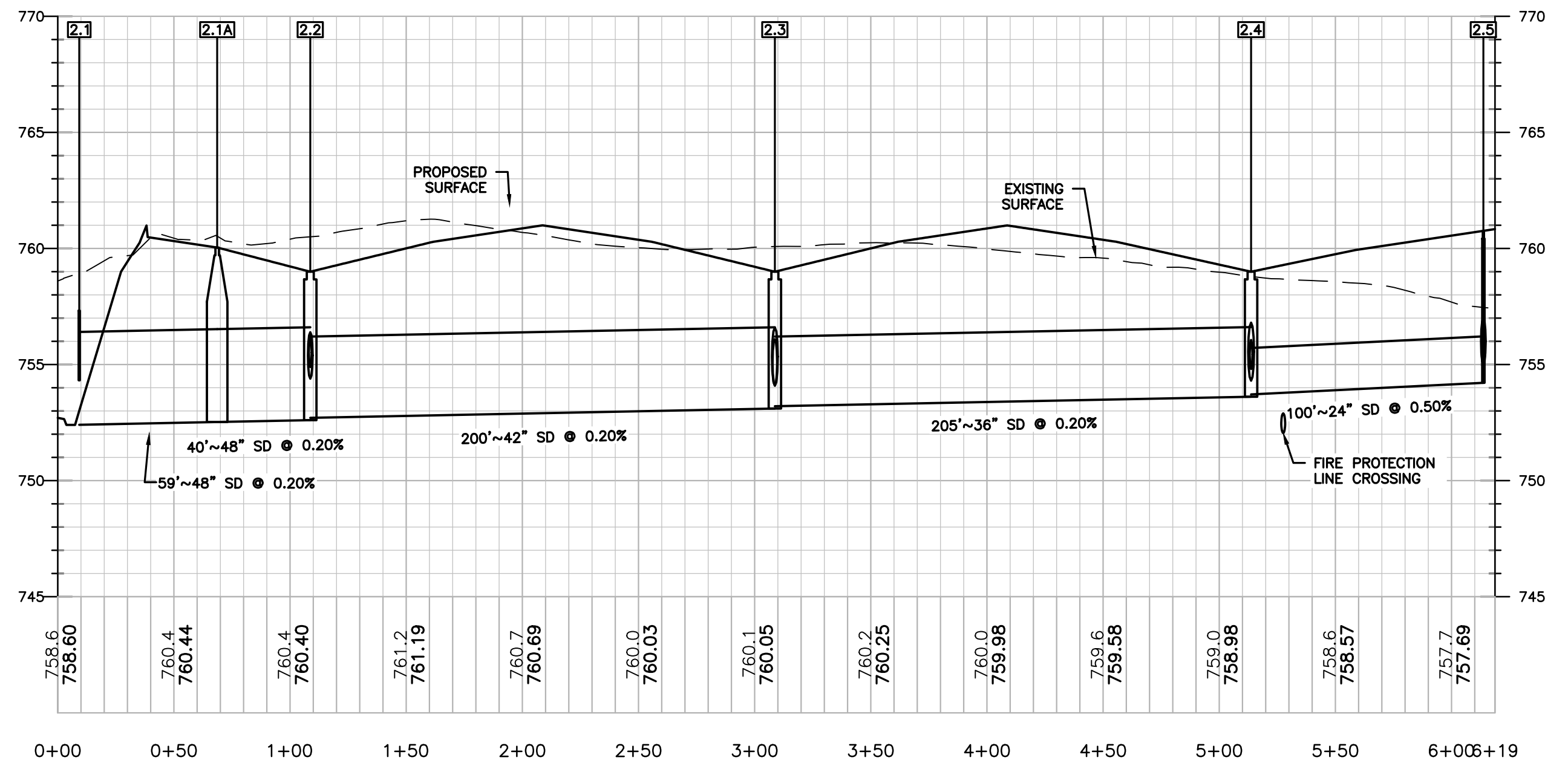
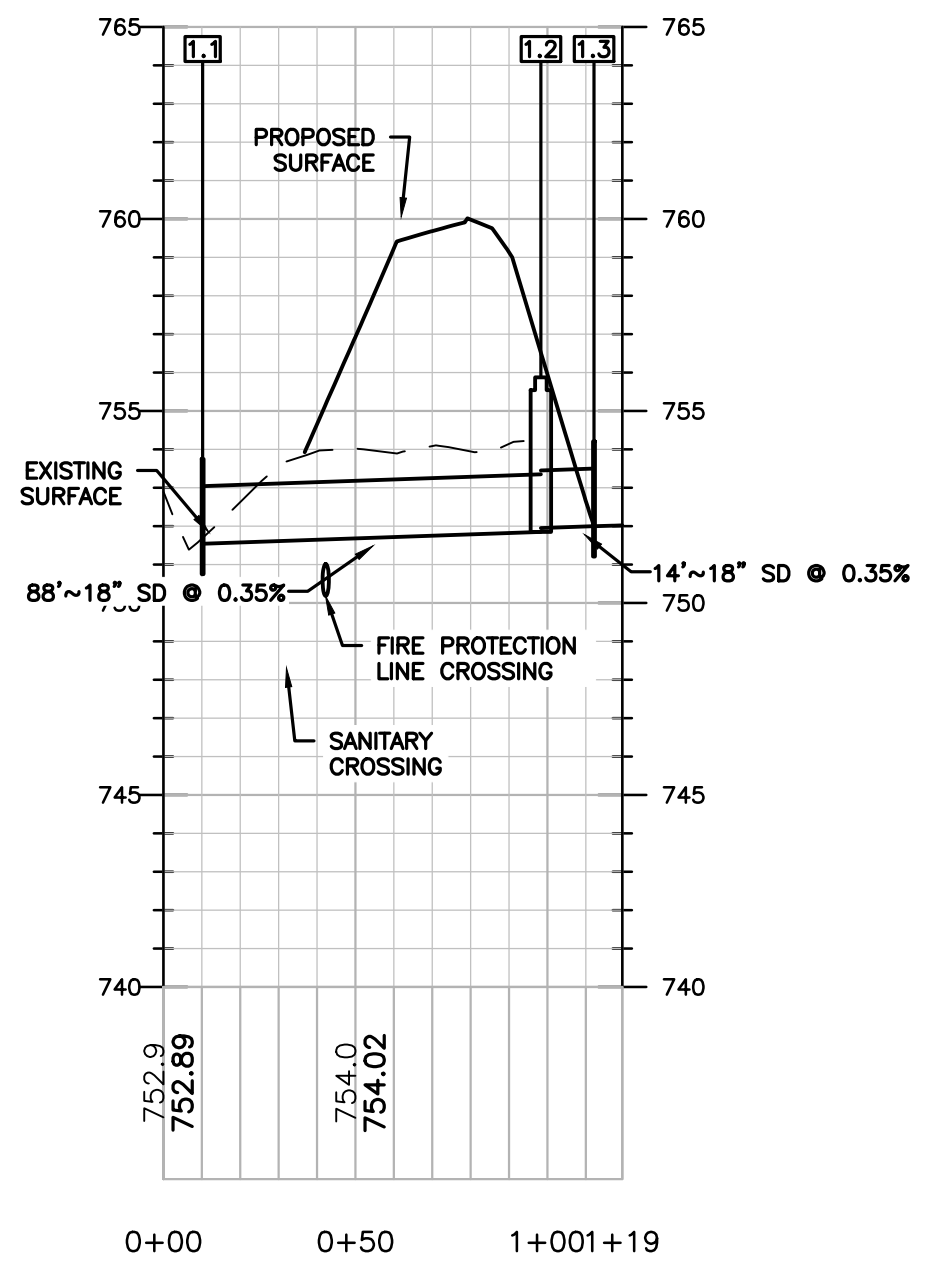
PACE AIR FREIGHT HQ

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: TAB
 DRAWN BY: SMB
 CHECKED BY: JGM

SHEET NAME:
 UTILITY PLAN

SHEET NO:
C-401

Layout Tab Name: C-402 STORM PROFILES
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ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

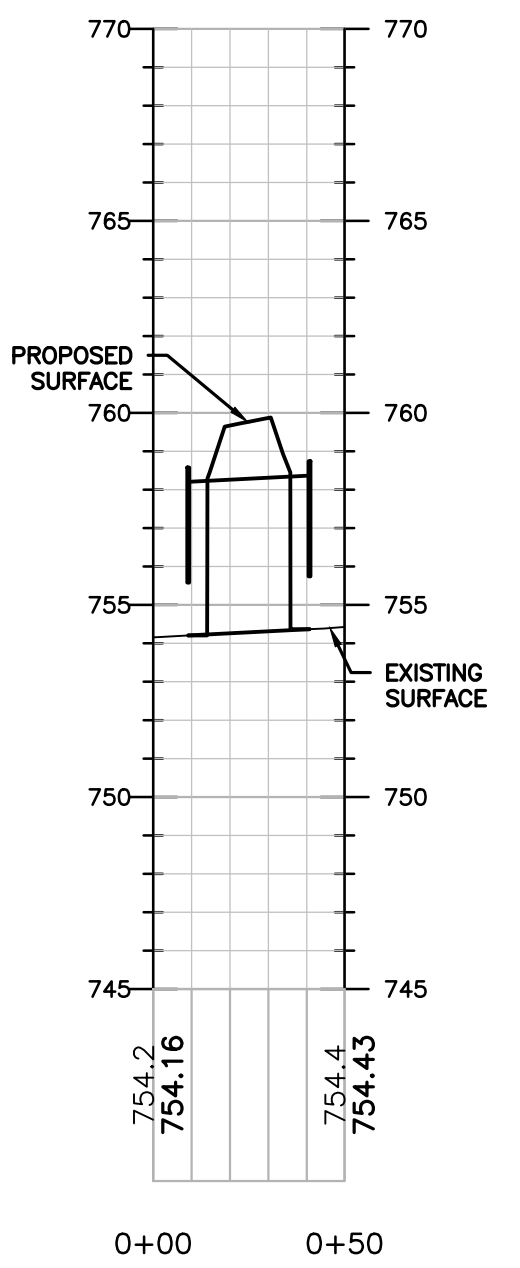
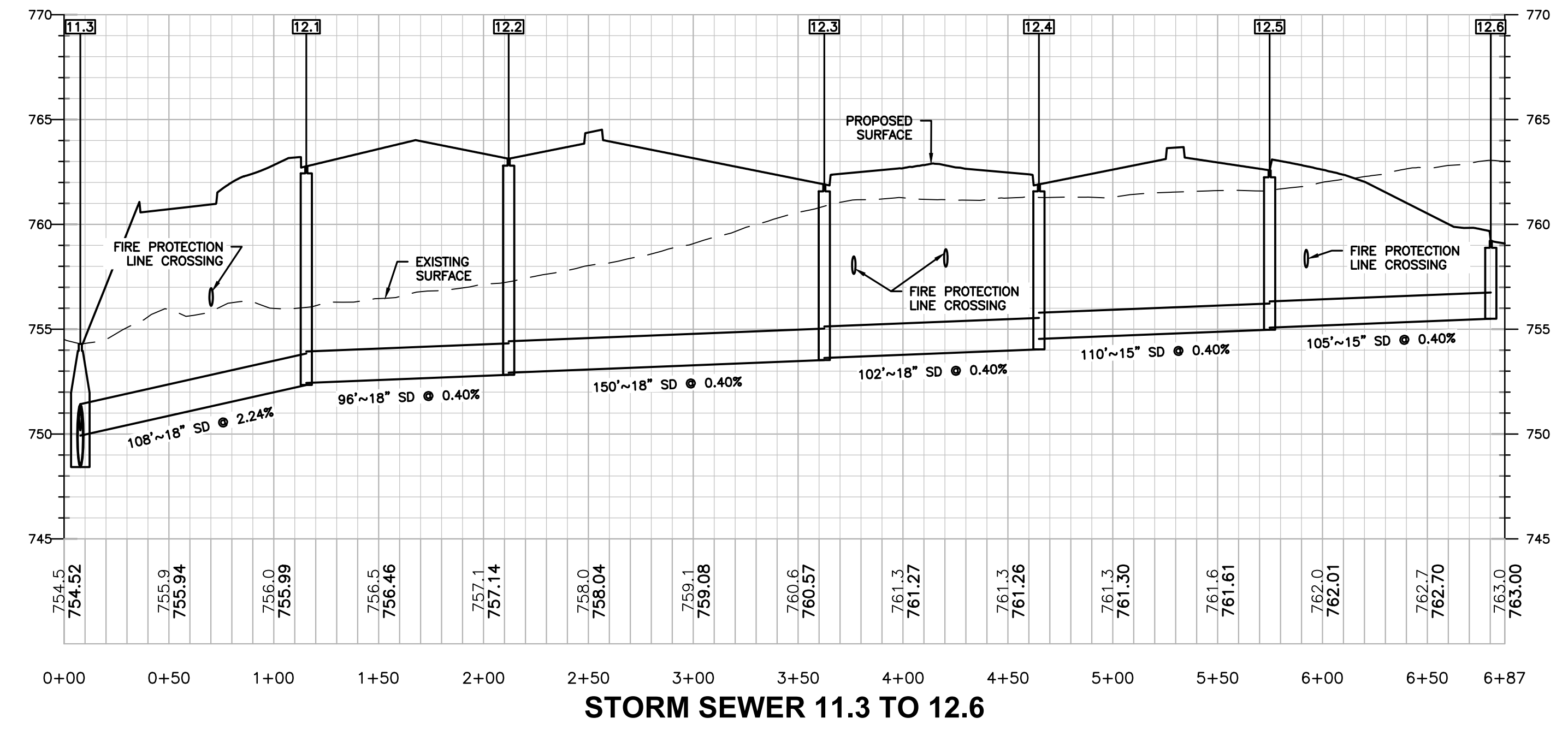
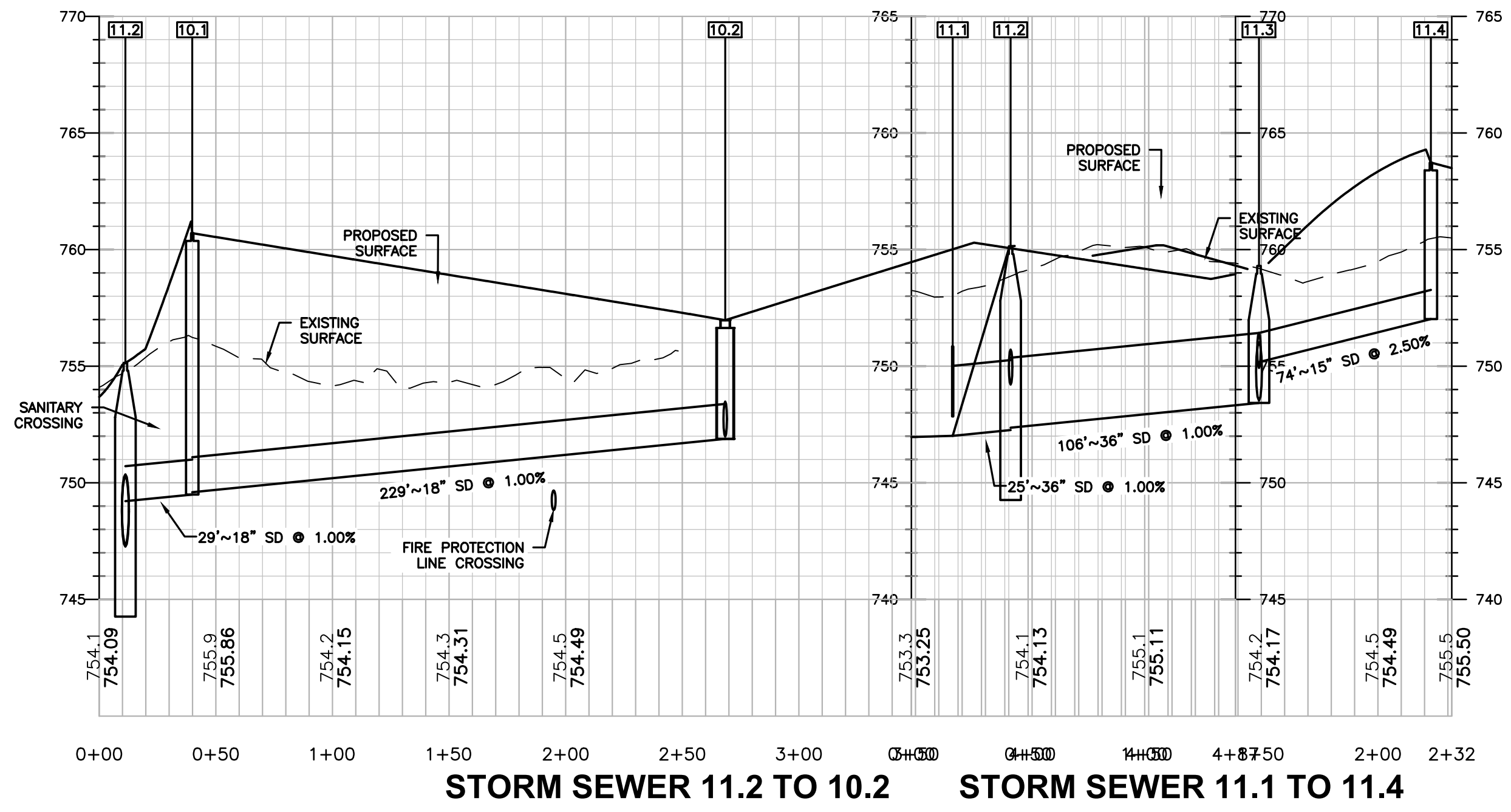
PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: XXX
 DRAWN BY: XXX
 CHECKED BY: XXX

SHEET NAME:
STORM PROFILES

SHEET NO:





STORM STRUCTURE TABLE			
STRUCTURE ID	DESCRIPTION	RIM/GRATE	INVERT
1.1	Headwall	753.75	18" = 751.54 (NW)
1.2	Catch Basin	755.88	18" = 751.95 (NW) 18" = 751.85 (SE)
1.3	Headwall	754.21	18" = 752.00 (SE)
2.1	Headwall	757.32	48" = 752.41 (E)
2.1A	CONTECH CASCADE	760.04	48" = 752.53 (E) 48" = 752.53 (W)
2.2	Catch Basin	759.00	42" = 752.71 (E) 48" = 752.61 (W) 24" = 754.39 (N) 15" = 754.89 (S)
2.3	Catch Basin	759.00	36" = 753.21 (E) 42" = 753.11 (W) 30" = 754.09 (N) 24" = 754.09 (S)
2.4	Catch Basin	759.00	15" = 754.81 (S) 36" = 753.62 (W) 30" = 754.30 (N) 24" = 753.72 (E)
2.5A	Clean Out	760.76	24" = 755.47 (N)
2.5	Clean Out	760.76	18" = 755.00 (N) 24" = 754.22 (W) 24" = 755.00 (S)
2.5B	Clean Out	762.45	18" = 756.64 (S)
3.1	Catch Basin	759.00	18" = 754.83 (N) 24" = 754.73 (S)
3.2	Catch Basin	759.00	18" = 755.26 (N) 18" = 755.17 (S)
3.3	Catch Basin	759.00	15" = 755.70 (N) 18" = 755.60 (S)
3.4	Catch Basin	759.00	15" = 756.04 (S)
4.1	Catch Basin	759.00	15" = 755.35 (S) 15" = 755.25 (N)

STORM STRUCTURE TABLE			
STRUCTURE ID	DESCRIPTION	RIM/GRATE	INVERT
4.2	Double Curb Inlet	759.00	15" = 755.72 (N)
5.1	Catch Basin	759.00	24" = 754.53 (N) 30" = 754.43 (S)
5.2	Catch Basin	759.00	24" = 754.97 (N) 24" = 754.87 (S)
5.3	Catch Basin	759.00	15" = 755.40 (N) 24" = 755.30 (S)
5.4	Catch Basin	759.00	15" = 755.75 (S)
6.1	Catch Basin	759.11	24" = 754.45 (N)
7.1	Catch Basin	759.00	24" = 754.66 (N) 30" = 754.56 (S)
7.2	Catch Basin	759.00	24" = 755.01 (N) 24" = 754.91 (S)
7.3	Catch Basin	759.00	18" = 755.36 (N) 24" = 755.26 (S)
7.4	Catch Basin	759.00	18" = 755.62 (S) 15" = 755.87 (E)
7.5	Curb Inlet	761.57	15" = 757.99 (W)
8.1	Catch Basin	759.00	15" = 755.25 (N)
9.1	Headwall	748.91	18" = 746.70 (NW)
9.2	Catch Basin	753.00	18" = 747.00 (NW) 18" = 746.90 (SE)
9.3	Headwall	749.20	18" = 747.00 (SE)
10.1	Curb Inlet	760.70	18" = 749.50 (S) 18" = 749.60 (W)

STORM STRUCTURE TABLE			
STRUCTURE ID	DESCRIPTION	RIM/GRATE	INVERT
10.2	Double Curb Inlet	756.97	18" = 751.88 (E) 18" = 751.98 (W)
10.3	Double Curb Inlet	758.74	18" = 754.07 (E)
11.1	Headwall	750.85	36" = 747.01 (NE)
11.2	CONTECH CASCADE	755.14	36" = 747.36 (E) 36" = 747.26 (SW) 18" = 749.21 (N)
11.3	Storm MH 96" Dia	754.30	30" = 748.53 (E) 36" = 748.43 (W) 15" = 750.18 (NE) 18" = 749.93 (N)
11.4	Curb Inlet	758.73	15" = 752.02 (SW)
12.1	Curb Inlet	762.77	18" = 752.44 (N) 18" = 752.34 (S)
12.2	Curb Inlet	763.13	18" = 752.93 (N) 18" = 752.83 (S)
12.3	Curb Inlet	761.91	18" = 753.63 (N) 18" = 753.53 (S)
12.4	Curb Inlet	761.91	15" = 754.54 (N) 18" = 754.04 (S)
12.5	Curb Inlet	762.58	15" = 755.08 (NE) 15" = 754.98 (S)
12.6	Curb Inlet	759.22	15" = 755.50 (SW)
28.1	Headwall	758.58	48" = 754.21 (N)
28.2	Headwall	758.74	48" = 754.37 (S)

ISSUANCE SCHEDULE
NUMBER DATE DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
PLAINFIELD, INDIANA

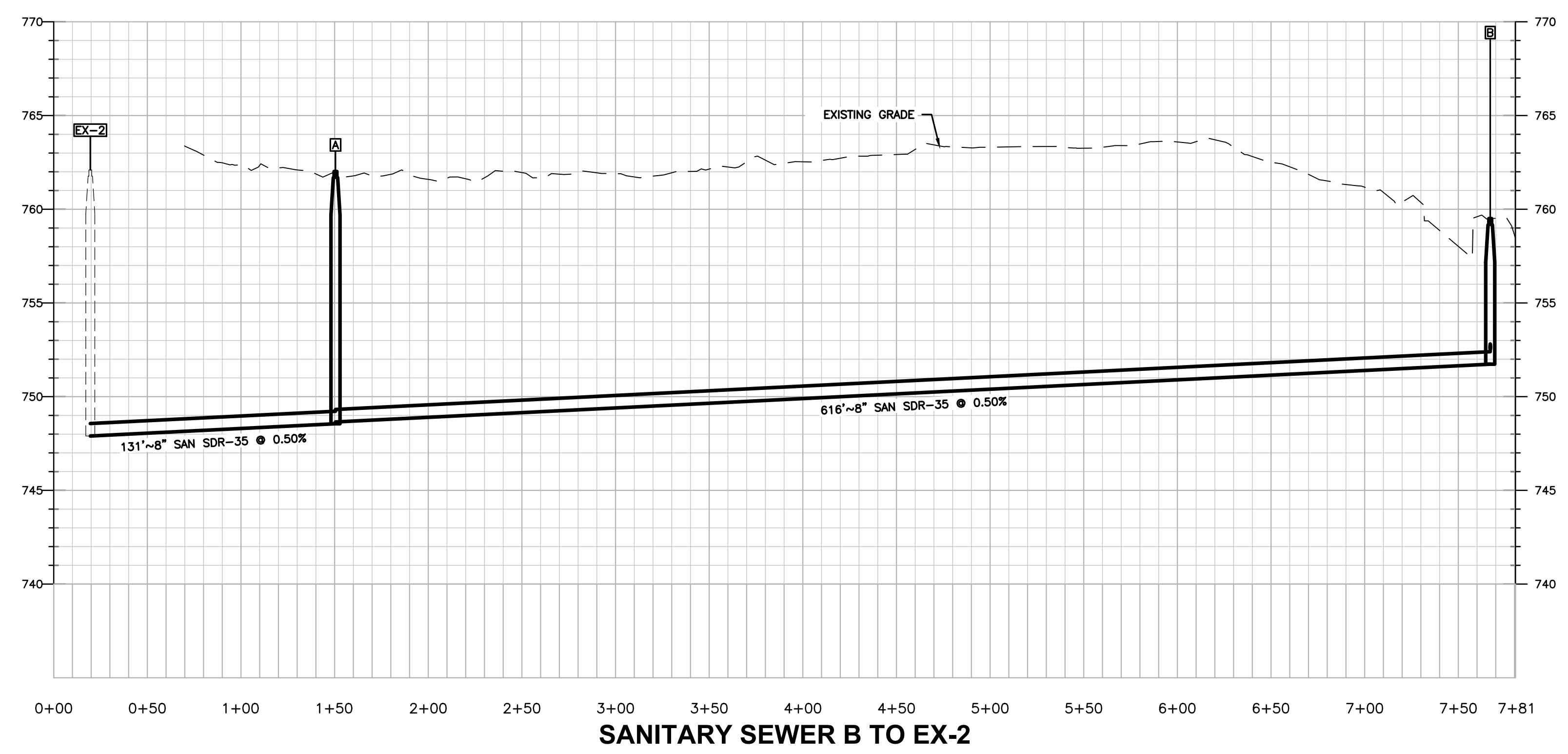
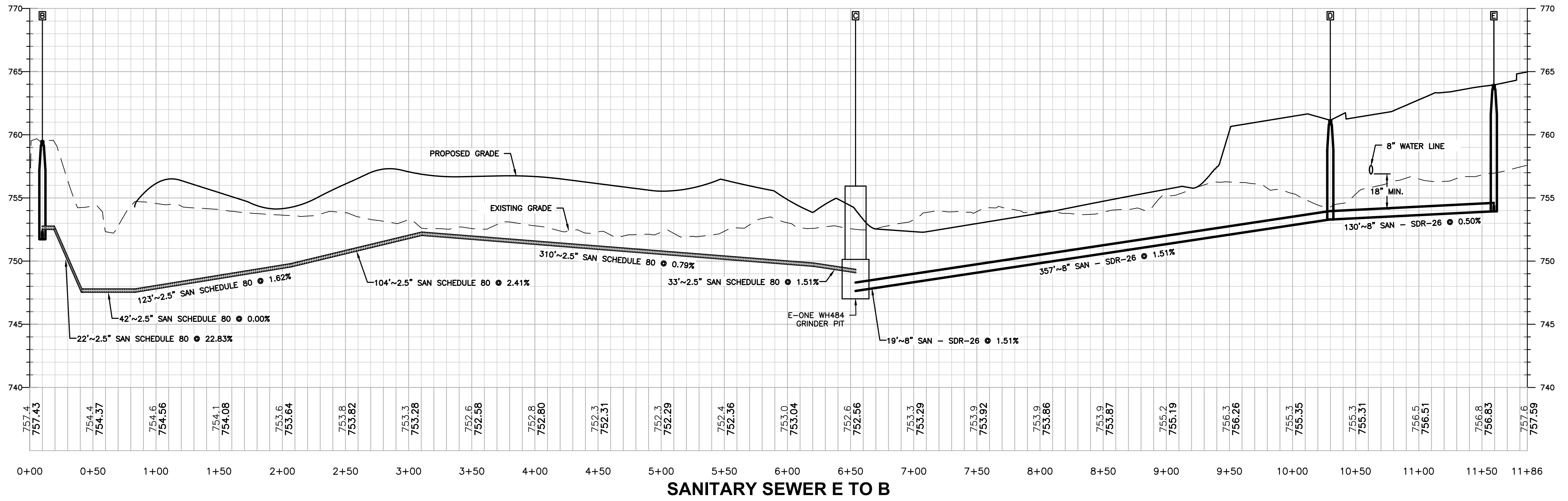
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DATE ISSUED: 10/18/2024
DESIGNED BY: XXX
DRAWN BY: XXX
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SHEET NAME:
STORM PROFILES

SHEET NO:



Layout Tab Name: C-403 STORM PROFILES
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SANITARY STRUCTURE TABLE			
STRUCTURE ID	DESCRIPTION	RIM	INVERT
A	Sanitary Manhole	762.01	8" = 748.65 (N)
			8" = 748.55 (SW)
B	Sanitary Manhole	759.50	2.5" = 751.73 (N)
			8" = 751.73 (S)
C	Grinder Pit	749.49	8" = 747.64 (E)
			2.5" = 749.05 (W)
D	Sanitary Manhole	761.15	8" = 753.30 (N)
			8" = 753.30 (W)
E	Sanitary Manhole	763.94	8" = 753.94 (S)
EX-2	Sanitary Manhole	762.10	8" = 747.90 (NE)

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: XXX
 DRAWN BY: XXX
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SHEET NAME:
 SANITARY PROFILES

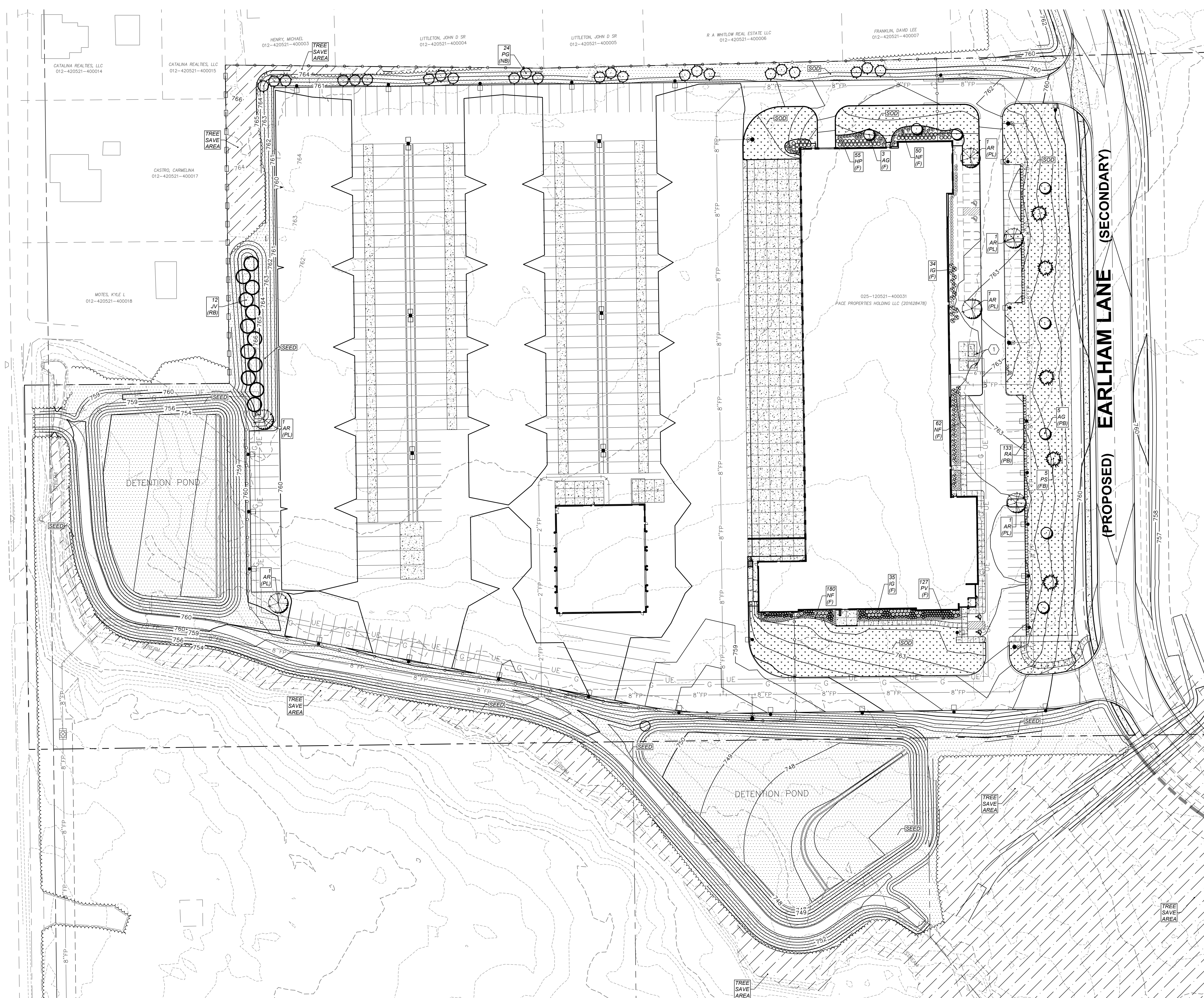
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C-404



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LANDSCAPE NOTES:

- LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES, PRIOR TO DIGGING, IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. PRIOR TO INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SUB GRADE, GENERAL SITE CONDITIONS, VERIFY ELEVATIONS, UTILITY LOCATIONS, IRRIGATION, APPROVE TOPSOIL PROVIDED BY GENERAL CONTRACTOR AND OBSERVE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. NOTIFY GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS. WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED AND ARE ACCORDABLE TO THE LANDSCAPE CONTRACTOR AND/OR CONSTRUCTION MANAGER.
- GENERAL AND LANDSCAPE CONTRACTOR ARE RESPONSIBLE FOR PROTECTING ALL EXISTING TREES TO REMAIN FROM DAMAGE DURING CONSTRUCTION. GENERAL CONTRACTOR TO INSTALL TREE PROTECTION FENCING PRIOR TO ANY SITE WORK.
- ALL TREE, SHRUB AND GROUND COVER BEDS TO BE MULCHED WITH A MINIMUM OF 3 INCHES OF CLEAN SHREDDED HARDWOOD MULCH.
- PLANTING HOLES TO BE DIG A MINIMUM OF TWICE THE WIDTH THE SIZE OF THE ROOT BALL OF BOTH SHRUBS AND TREES. AMEND BACKFILL WITH SPECIFIED TOPSOIL MIX. BACKFILL AND TAMP BOTTOM OF HOLE PRIOR TO PLANTING SO TOP OF ROOT BALL DOES NOT SETTLE BELOW SURROUNDING GRADE.
- TOPSOIL MIX TO BE 4 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL (NATURE'S HELPER, PRO MIX OR APPROVED EQUIV).
- EXISTING GRASS IN PROPOSED PLANTING AREAS TO BE REMOVED AND AREA TO BE HAND-RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO PLANTING.
- SOIL TO BE TESTED TO DETERMINE FERTILIZER AND LIME REQUIREMENTS. LIME AND FERTILIZER TO BE DISTRIBUTED PRIOR TO LAYING SOD OR SEED. ALL DISTURBED AREAS (INCLUDING RIGHT-OF-WAYS) NOT RECEIVING PLANTINGS TO RECEIVE 4 INCHES OF TOPSOIL AND SODDED OR SEEDED AS NOTED ON THE PLANS.
- SOD TO BE DELIVERED FRESH (CUT LESS THAN 24 HOURS PRIOR TO ARRIVING ON SITE), LAID IMMEDIATELY, ROLLED AND WATERED THOROUGHLY WITHIN ONE HOUR OF INSTALLATION.
- ALL CHANGES TO DESIGN AND/OR PLANT SUBSTITUTIONS TO BE AUTHORIZED BY LANDSCAPE ARCHITECT.
- ALL PARKING ISLANDS TO BE BERMED UP 6"-8" WITH CLEAN FRIABLE TOPSOIL PRIOR TO PLANTING.
- ALL LANDSCAPING SHALL BE INSTALLED IN CONFORMANCE WITH ANSI Z60.1 THE AMERICAN STANDARD FOR NURSERY STOCK, AND THE ACCEPTED STANDARDS OF AMERICANHORT.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS INSTALLED FOR ONE FULL YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. ALL PLANTS SHALL BE ALIVE AND AT A VIGOROUS RATE OF GROWTH AT THE END OF THE GUARANTEE PERIOD.
- ANY PLANT THAT IS DETERMINED DEAD, IN AN UNHEALTHY OR UNSIGHTLY CONDITION, LOST ITS SHAPE DUE TO DEAD BRANCHES OR OTHER SYMPTOMS OF POOR, NON-VIGOROUS GROWTH SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR WITH THE COST OF THE REPLACEMENT INCLUDED IN THE BID OR PROPOSAL PRICE.
- STAKE ALL TREES. ALL GUY WIRES AND STAKING TO BE REMOVED AFTER 1 YEAR OF PLANTING COMPLETION.
- TREES TO BE MARKED IN THE FIELD AS TO SOLAR ORIENTATION AND PLANTED IN THE SITE IN THE SAME ORIENTATION.
- WATER THOROUGHLY TWICE IN THE FIRST 24 HOURS AND APPLY MULCH IMMEDIATELY.

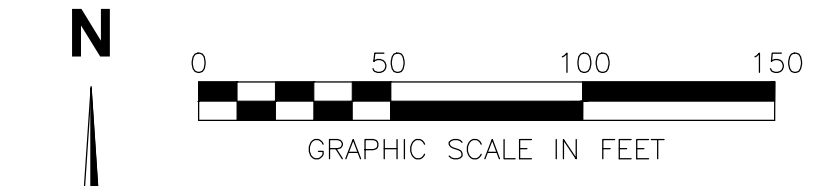
NOTE: GROUND MOUNTED MECHANICAL UNIT TO BE SCREENED ON ALL SIDES BY LANDSCAPING OF EVERGREEN VARIETY NOT LESS THAN THE HEIGHT OF THE EQUIPMENT TO BE SCREENED AT TIME OF PLANTING.

LANDSCAPE CODE SUMMARY

- 10' NORTH SIDE BUFFERYARD REQUIREMENTS (NB)**
 LEVEL 2.0 REQUIRED PER 100 LF ABUTTING IND/COMMERCIAL ZONING
 873 LF = 17.46 PUV REQUIRED
 PROVIDED 1,850 SF OF TREE SAVE AREA
 PROVIDED 24 EVERGREEN TREES 8-10' TALL @ 0.75 PUV = 18 PUV
- 50' REAR BUFFERYARD REQUIREMENTS (RB)**
 LEVEL 5.0 REQUIRED PER 100 LF ABUTTING RESIDENTIAL USE 200 LF = 10 PUV REQUIRED
 PROVIDED 333 LF OF WOODEN FENCE @ 0.75 PUV = 2.50 PUV
 PROVIDED 12 EVERGREEN TREES 8-10' TALL @ 0.75 PUV = 9 PUV
 PROVIDED 11.50 PUV TOTAL
- 10' SOUTH SIDE BUFFERYARD REQUIREMENTS (SB)**
 LEVEL 4.0 REQUIRED PER 100 LF ABUTTING AG ZONING 1,130 LF = 45.2 PUV REQUIRED
 TREE SAVE AREA NORTH OF STREAM FULFILLS REQUIREMENTS
- 60' FRONT BUFFERYARD REQUIREMENTS (FB)**
 LEVEL 1.0 REQUIRED PER 100 LF ABUTTING INDUSTRIAL ZONING 696 LF = 6.96 PUV REQUIRED
 5 EVERGREEN TREES 8-10' TALL @ 0.75 PUV = 3.75
 5 ORNAMENTAL TREES 2' CAL. @ 1.0 PUV = 5 PUV
 PROVIDED 8.75 PUV
- PARKING LOT REQUIREMENTS (PL)**
 1 SHADE TREE REQUIRED PER EVERY 15 PARKING STALLS
 68 PARKING STALLS PROVIDED = 5 TREES REQUIRED
 7 TREES PROVIDED
- PARKING LOT BUFFERYARD REQUIREMENTS (PB)**
 A COMPACT HEDGE ROW IS REQUIRED WHEN A PARKING AREA IS LOCATED BETWEEN A BUILDING AND FRONT YARD
- FOUNDATION REQUIREMENTS (F)**
 AREA REQUIRED TO BE 2' * LENGTH OF WALL
 NORTH SIDE: 2' * 160' = 320 SF REQUIRED
 2,156 SF PLANTINGS PROVIDED
 EAST SIDE: 2' * 490' = 980 SF REQUIRED
 3,110 SF PLANTINGS PROVIDED
 SOUTH SIDE: 2' * 230' = 460 SF REQUIRED
 1,990 SF PLANTINGS PROVIDED

KEYNOTES (X)

- GROUND MOUNTED MECHANICAL UNIT TO BE SCREENED ON ALL SIDES BY ONE OR MORE OF THE FOLLOWING:
 - WING OR SCREEN WALLS CONSTRUCTED OF A MATERIAL IDENTICAL TO OR COMPLEMENTARY TO THE PRIMARY STRUCTURE
 - LANDSCAPING OF AN EVERGREEN OR DENSELY TWIGGED HEDGE PLANT VARIETY OF A HEIGHT AT TIME OF PLANTING WHICH IS NOT LESS THAN THE HEIGHT OF THE EQUIPMENT TO BE SCREENED



ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

INDIANA LIFE SCIENCES PARK

PACE AIR FREIGHT HQ

PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: TAB
 DRAWN BY: SMB
 CHECKED BY: JGM

SHEET NAME:
 LANDSCAPE PLAN

SHEET NO:
C-601

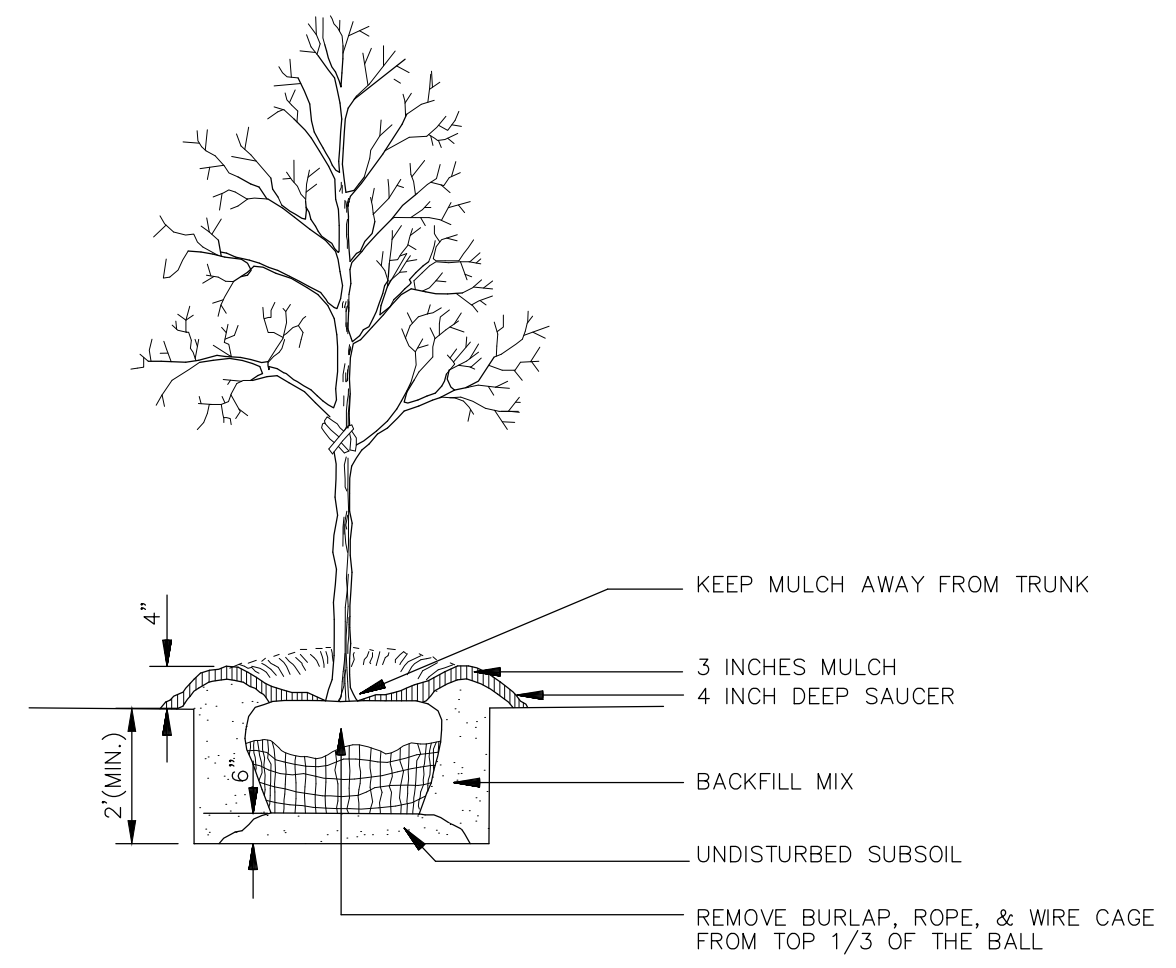
LANDSCAPE SCHEDULE

TAG	QTY	SCIENTIFIC NAME	COMMON NAME	METHOD	SIZE	REMARKS
SHADE TREES						
AR	7	Acer rubrum	Red Maple	B&B	2.5" cal.	Full, well shaped
ORNAMENTAL / EVERGREEN TREES						
AG	8	Amelanchier x grandiflora 'Autumn Brilliance'	Apple Serviceberry	B&B	2" cal.	Full, well shaped, single-stem
PS	5	Pinus Strobus	Eastern White Pine	B&B	8-10' ht.	Full to ground, well shaped
PG	24	Picea glauca 'Densata'	Black Hills Spruce	B&B	8-10' ht.	Full to ground, well shaped
JV	12	Juniperus virginiana	Eastern Red Cedar	B&B	8-10' ht.	Full to ground, well shaped
SHRUBS						
RA	133	Rhododendron 'atalanta' and 'cascade'	Evergreen Azalea	#3 cont.	36"ht. x 36"wd.	Mix of the 2 azaleas
IG	69	Ilex glabra 'compacta'	Inkberry	#3 cont.	40"ht. x 46"wd.	Full, vigorous
HP	55	Hydrangea paniculata 'Limelight'	Limelight hydrangea	#3 cont.	30"ht. x 30"wd.	Full, vigorous
ORNAMENTAL GRASSES						
PV	127	Panicum virgatum 'Shenandoah'	Shenandoah Red Switchgrass	#2 cont.	min. 3' height	Full, vigorous
PERENNIALS						
NF	292	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	#1 cont.		
SEED/SOD						
	54,830 SF	Fescue blend-see mix detail	Sod			
	71,785 SF	Fescue blend-see mix detail	Seed			

SEED BLEND
 90% FINE LEAF FESCUE (FESTUCA ARUNDINACEA)
 REBEL, REBEL II, WRANGLER, BONANZA, MOJAVE OR EQUAL
 10% KENTUCKY BLUEGRASS (POA PRATENSIS)
 MIDNIGHT, RUGBY II, MIDIRON VARIETIES OR EQUAL
 98% PURITY AND 85% GERMINATION
 95% WEED FREE

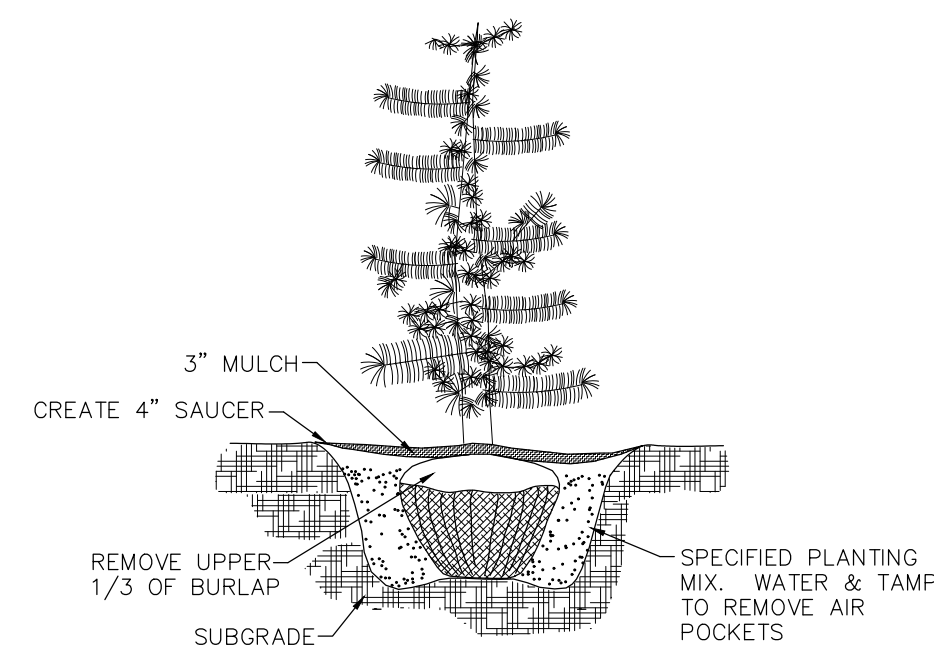
SOD BLEND
 90% FINE LEAF FESCUE (FESTUCA ARUNDINACEA)
 REBEL, REBEL II, WRANGLER, BONANZA, MOJAVE OR EQUAL
 10% KENTUCKY BLUEGRASS (POA PRATENSIS)
 MIDNIGHT, RUGBY II, MIDIRON VARIETIES OR EQUAL
 98% PURITY AND 85% GERMINATION
 95% WEED FREE

* QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES OF PLANTS ON LANDSCAPE PLAN.



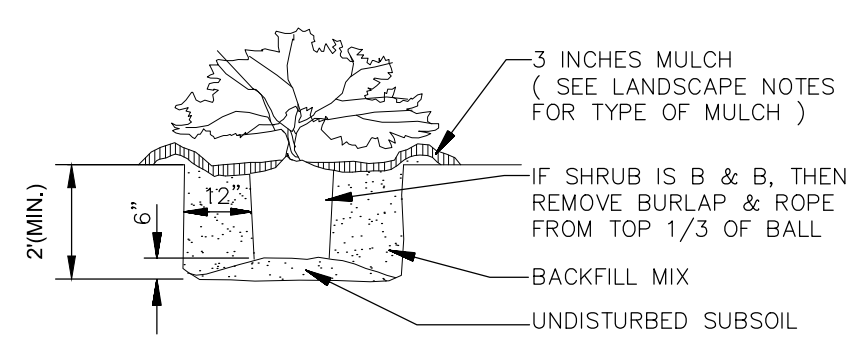
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

TREE PLANTING
 N.T.S.

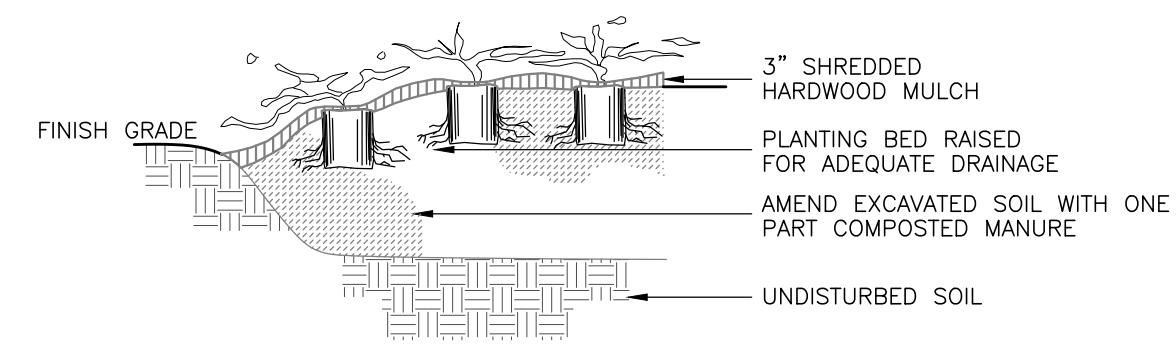


NOTES:
 1. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

EVERGREEN PLANTING DETAIL
 N.T.S.



SHRUB PLANTING
 N.T.S.



NOTE:
 1. SIZE OF PIT VARIES WITH SIZE OF ROOT BALL.
 2. TOP OF BALL TO BE 1"-2" ABOVE FINISH GRADE.
 3. SPREAD FERTILIZER EVENLY IN SAUCER.
 4. RETAIN ALL LEADERS.

PERENNIAL & GROUNDCOVER PLANTING
 N.T.S.

ISSUANCE SCHEDULE
 NUMBER DATE DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

PROJECT NO: 82429.12
 DATE ISSUED: 10/18/2024
 DESIGNED BY: TAB
 DRAWN BY: SMB
 CHECKED BY: JGM

SHEET NAME:
LANDSCAPE DETAILS



SHEET NO:
C-602

Layout Tab Name: C-602 LANDSCAPE DETAILS
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NOTES

1. MOUNTING HEIGHT (MH) VARIES. SEE FIXTURE LABEL ON PLAN.
2. HORIZONTAL MEASUREMENTS TAKEN ALONG A HORIZONTAL PLANE AT GRADE.
3. REFER TO ARCHITECTURAL DESIGN PLANS FOR LIGHT POLE BASE DETAIL.

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

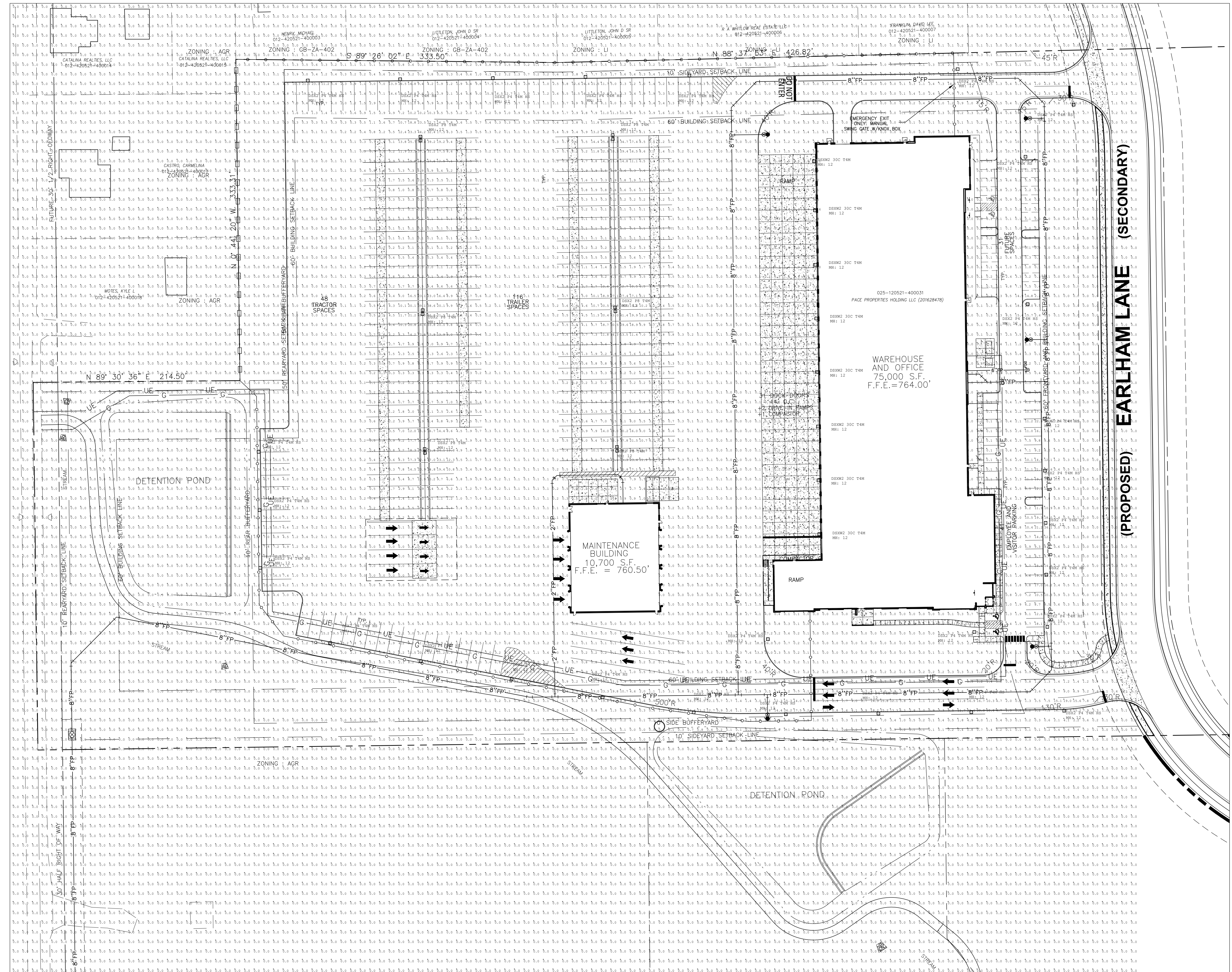
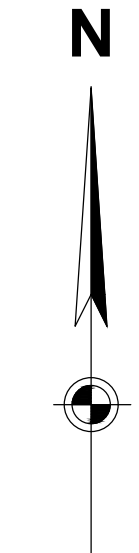
PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK

PLAINFIELD, INDIANA

PROJECT NO: 82429.12
DATE ISSUED: 10/18/2024
DESIGNED BY:
DRAWN BY:
CHECKED BY: JGM

SHEET NAME:
PHOTOMETRIC PLAN

SHEET NO:
C-701



Luminaire Schedule			Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
Symbol	Qty	Tag						
□	28	DSX2 P4 T4M HS	Single	DSX2 LED P4 40K T4M MVOLT HS	0.900	25365	270	7560
□	8	DSXW2 30C T4M	Single	DSXW2 LED 30C 1000 40K T4M MVOLT	0.900	11128	109	872
□	6	DSX2 P8 T4M	Back-Back	DSX2 LED P8 40K T4M MVOLT	0.900	48142	431	5172



D-Series Size 2 LED Area Luminaire



Specifications
EPA: 1.1 ft (0.33m)
Length: 40" (101.6cm)
Width: 15" (38.1cm)
Height 1: 7-1/4" (18.4cm)
Height 2: 3.5" (8.9cm)
Weight: 36lbs

Catalog Number _____
Notes _____
Type _____

Introduction
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.
The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX2 LED P7 40K T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX2 LED					
Forward optics					
P1	P5 ¹	30K 3000K	T1S Type I Short (Automotive)	TSVS Type V Key Start ¹	MVOLT ¹
P2	P6	40K 4000K	T2S Type II Short	TSS Type V Short ¹	XXVOLT
P3	P7	50K 5000K	T3M Type III Medium	TSM Type V Medium ¹	DZ77-480V ^{11,12}
P4	P8 ¹		T3S Type III Short	TSS Type V Short ¹	120"
Rotated optics					
P10 ¹	P13 ^{1,2}		T3M Type III Medium	RCC Backlight control ¹⁴	SPURBA Square pole universal mounting adaptor ¹¹
P11 ¹	P14 ^{1,2}		T4M Type IV Medium	LCCO Left corner cutoff ¹⁴	RPURBA Round pole universal mounting adaptor ¹¹
P12 ¹			TTTM Forward Throw Medium	RCCO Right corner cutoff ¹⁴	SHIPPED SEPARATELY

Control options	Other options	Finish (optional)	
Shipped installed NLTAR2 Night All generation 2 enabled ¹⁷ PIRHN Network, Bi-level motion/ambient sensor ¹⁸ PER NEMA twist-lock receptacle only (no controls) ¹⁸ PER5 Five-wire receptacle only (no controls) ^{18,19} PER7 Seven-wire receptacle only (no controls) ^{18,19} DMG 0-10V dimming control (no controls) ¹⁸ DS Dual switching ^{18,19}	PIRHN Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 10' ¹⁸ PIRHNFCV High-flow, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 10' ¹⁸ FAO Field adjustable Output ¹⁸	Shipped installed HS House-side shield ²⁰ SF Single face (120, 277, 347V) ¹ DF Double face (208, 240, 480V) ¹ L90 Left rotated optics ¹ R90 Right rotated optics ¹ NA 50% ambient operations ¹ BAA Buy America/IL Act Compliant Shipped separately BS Bird spikes ²¹ EGS External glare shield	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white

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DSX2 LED Rev. 07/19/21 Page 1 of 8

SSS Square Straight Steel Poles

Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 SC DM19 DDB

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish ³
SSS	10'-30' (for 12" increments, add -6 to the pole height. Ex: 20'-6 equals 20ft 6in.)	4C 4" 1 1/4" (1194") 4G 4" 7/8" (1193") 4E 5" 1 1/4" (1196") 4F 5" 7/8" (1193") 4G 6" 7/8" (1193")	Tenon mounting PT Open top (Includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-3/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KAS/KSF/KSV/KVTE Drill mounting DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM39 2 at 90° DM39 3 at 90° DM49 4 at 90° DM49 4 at 90° CSX/DSX/SSX/ALBXX/DMERO ¹¹ /HLRXX/DRILL mounting DM19AS 1 at 90° DM28AS 2 at 180° DM28AS 3 at 90° DM39AS 4 at 90° BAA/DRILL mounting ¹¹ DM19RAD 1 at 90° DM28RAD 2 at 180° DM28RAD 3 at 90° DM39RAD 3 at 100° DM49RAD 4 at 90° ESX/DRILL mounting ¹¹ DM19ESX 1 at 90° DM28ESX 2 at 180° DM39ESX 2 at 90° DM49ESX 3 at 90°	ALBXX ¹¹ "Suspend drill" DM19AST 1 at 90° DM28AST 2 at 180° DM28AST 3 at 90° DM39AST 4 at 90° DM49AST 4 at 90° ALBXX ¹¹ "Suspend drill mounting" DM19ART 1 at 90° DM28ART 2 at 180° DM28ART 3 at 90° DM39ART 4 at 90° DM49ART 4 at 90° CSX/DSX/SSX/ALBXX/DMERO ¹¹ /HLRXX/DRILL mounting DM19AS 1 at 90° DM28AS 2 at 180° DM28AS 3 at 90° DM39AS 4 at 90° BAA/DRILL mounting ¹¹ DM19RAD 1 at 90° DM28RAD 2 at 180° DM28RAD 3 at 90° DM39RAD 3 at 100° DM49RAD 4 at 90° ESX/DRILL mounting ¹¹ DM19ESX 1 at 90° DM28ESX 2 at 180° DM39ESX 2 at 90° DM49ESX 3 at 90°	Standard colors DDBXD Dark bronze DDBXD White DDBXD Black DDBXD Medium bronze DDBXD Natural aluminum Class colors DSS Sandstone DGC Charcoal gray DTG Teal/green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes ¹¹ Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available. Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover

NOTES:
1. Wall thickness will be specified with a "C" (1 Gauge) or a "G" (2 Gauge) in nomenclature. "C" = 0.1194" | "G" = 0.1797".
2. If open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28T20.
3. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. Inset 1" x 1" x 1" end-cap/fixture plate, e.g. DM19AST2.
6. Specify location and orientation when ordering option.
For "C": Specify the height above the base of pole in feet or feet and inches, separate feet and inches with a ".".
Example: SF = 5' and DM28 (30' = 20' 3")
For "G": Specify the height above the base of pole in feet or feet and inches, separate feet and inches with a ".".
Example: SF = 5' and DM28 (30' = 20' 3")
Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 3" elevation C = CP1.025-4C

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D-Series Size 2 LED Wall Luminaire



Specifications Luminaire
Width: 18-1/2" (46.7cm)
Depth: 10" (25.4cm)
Height: 7-5/8" (19.4cm)

Back Box (BBW)
Width: 5-1/2" (14.0cm)
Depth: 1-1/2" (3.8cm)
Height: 4" (10.2cm)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTDX

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW2 LED							
20C	20 LEDs (two engines)	350 350 mA	30K 3000K	T2S Type I Short	MVOLT ¹	Shipped included (blank) Surface mounting bracket	Shipped installed PE Photoelectric cell, button type ¹ PER NEMA twist-lock receptacle only (control ordered separately) PER5 Five-wire receptacle only (control ordered separately) ¹¹ PER7 Seven-wire receptacle only (control ordered separately) ¹¹
30C	30 LEDs (three engines)	530 530 mA 700 700 mA (1A)	40K 4000K 50K 5000K	T3M Type II Medium T3S Type III Short T4M Type IV Medium TTTM Forward Throw Medium	120" 208" 240" 277" 347" ¹¹ 480" ¹¹	Shipped separately ¹¹ BBW Surface-mounted back box (for conduit entry)	DAG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' range, 10' height ¹¹ PIRHN 180° motion/ambient light sensor, 15-30' mounting height, ambient sensor enabled at 10' ¹¹ PIRHNFCV Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 10' ¹¹

Other Options	Finish (optional)
Shipped installed SF Single face (120, 277, 347V) ¹ DF Double face (208, 240, 480V) ¹ HS House-side shield ²⁰ SPO Separate surge protection ²¹	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum

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333 North Alabama Street, Suite 200
Indianapolis, IN 46204
317.299.7500

ISSUANCE SCHEDULE	DESCRIPTION
NUMBER	DATE

INDIANA LIFE SCIENCES PARK

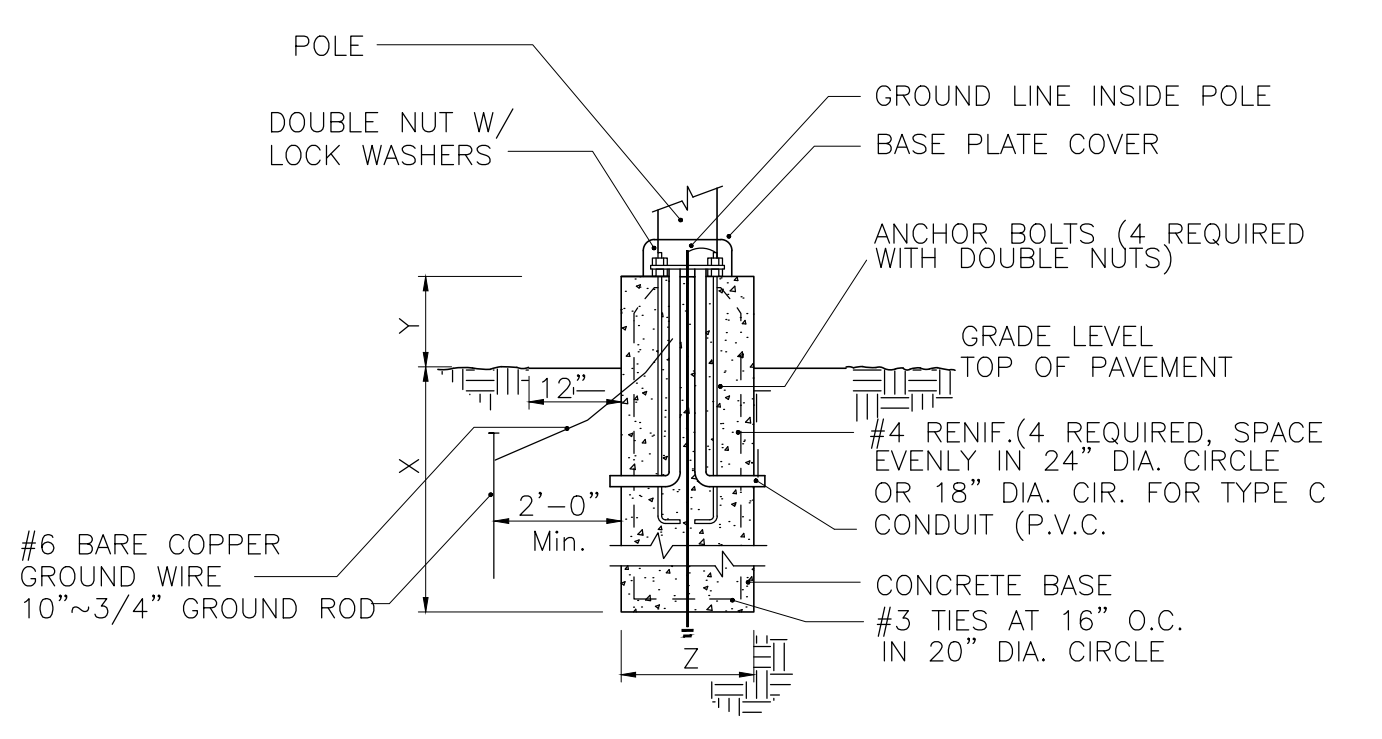
PLAINFIELD, INDIANA

PROJECT NO: 82429.12
DATE ISSUED: 10/18/2024
DESIGNED BY:
DRAWN BY:
CHECKED BY: JGM

SHEET NAME:
PHOTOMETRIC DETAILS

SHEET NO:
C-702

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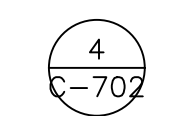


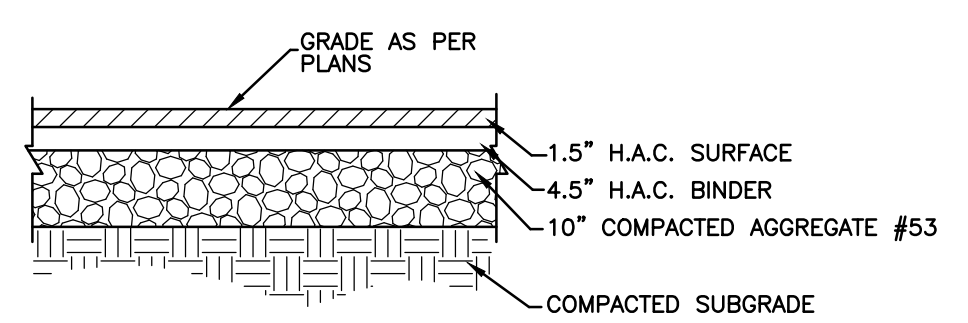
DIMENSION SCHEDULE

IF LIGHT POLE IS ADJACENT TO VEHICLE PARKING
X 3'-6"
Y 2'-6"
Z 2'-0"

IF LIGHT POLE IS WITHIN LANDSCAPING (NOT ADJACENT TO VEHICLE PARKING)
X 3'-6"
Y 0'-6"
Z 2'-0"

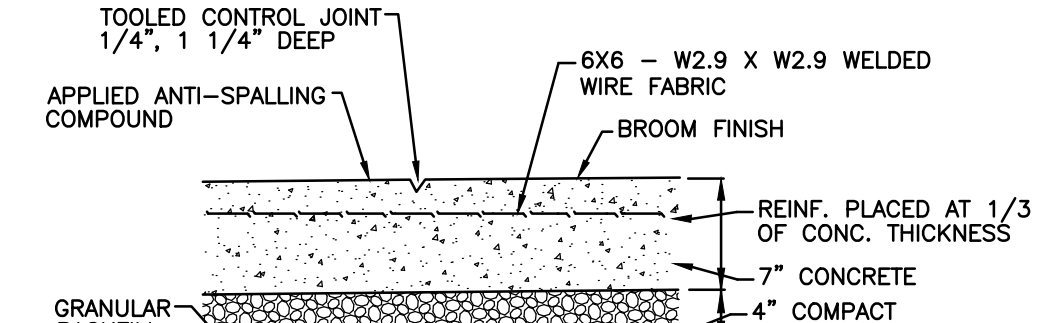
LIGHT POLE BASE DETAIL
NTS





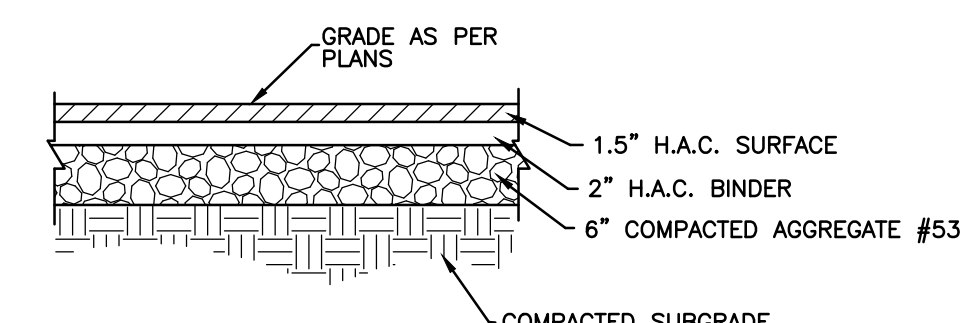
NOTE: PAVEMENT SECTION BASED ON TYPICAL SITE CONDITIONS. ANY AREAS OF BAD SOILS MUST BE REMOVED AND RECOMPACTED TO 95% MODIFIED PROCTOR.
CONTRACTOR TO USE MINIMUM 12" CHEMICAL STABILIZATION

HEAVY DUTY ASPHALT TYPICAL PAVEMENT SECTION
NO SCALE



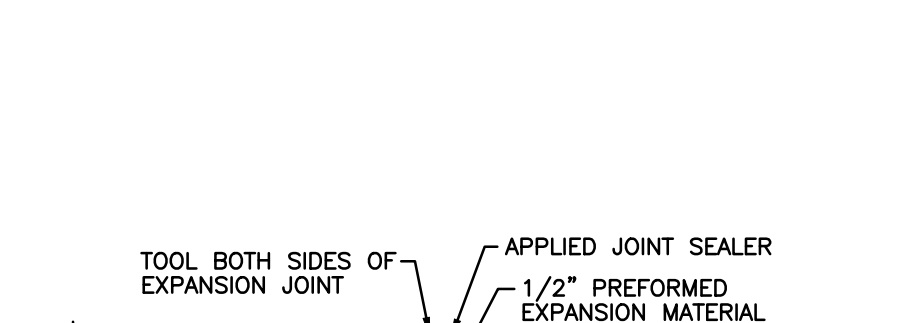
NOTES:
1.) CONTROL JOINTS 5'-0" O.C. MAX. (SEE PLANS FOR ANY VARIATIONS)
2.) EXPANSION JOINTS 20'-0" O.C. MAX. (SEE PLANS FOR ANY VARIATIONS)

HEAVY DUTY CONCRETE TYPICAL PAVEMENT SECTION
NO SCALE

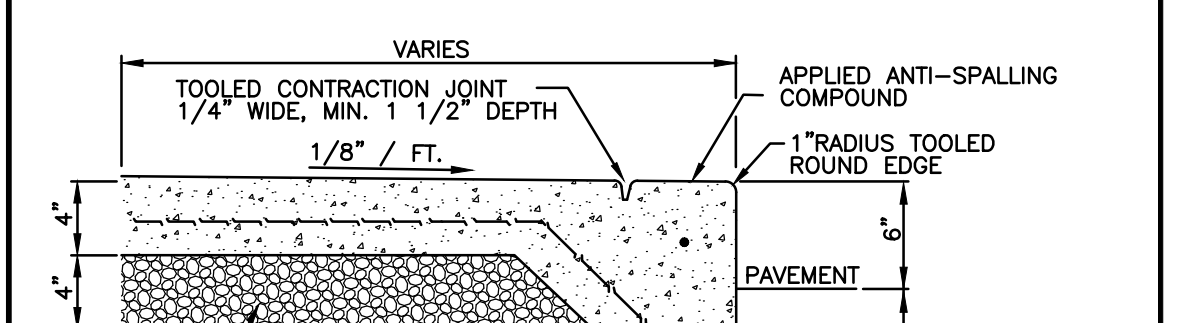


NOTE: PAVEMENT SECTION BASED ON TYPICAL SITE CONDITIONS. ANY AREAS OF BAD SOILS MUST BE REMOVED AND RECOMPACTED TO 95% MODIFIED PROCTOR.
CONTRACTOR TO USE MINIMUM 12" CHEMICAL STABILIZATION

STANDARD DUTY ASPHALT TYPICAL PAVEMENT SECTION
NO SCALE

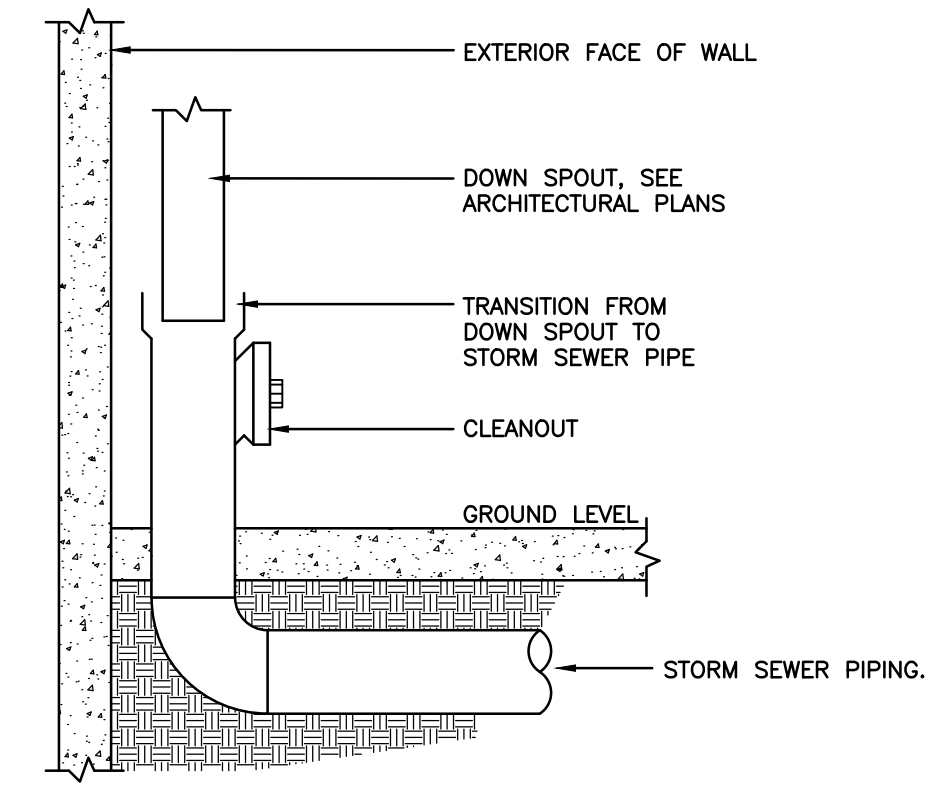


EXPANSION JOINT DETAIL
NO SCALE

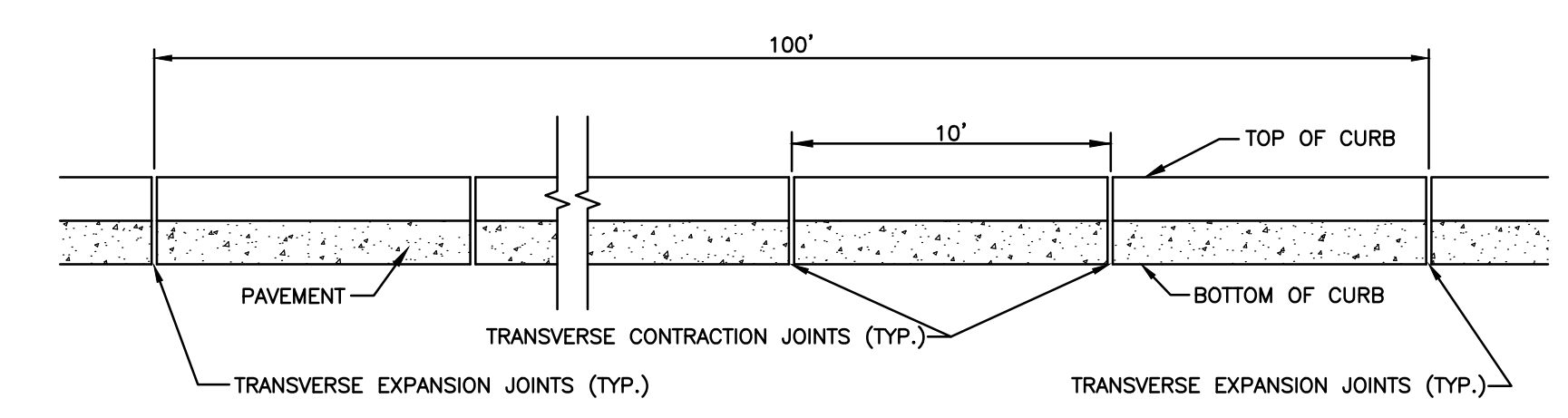


INTEGRAL WALK AND CURB
NO SCALE

NOTES:
1.) CONTRACTION JOINTS TO BE A MINIMUM OF 1 1/2" DEEP
2.) SEE CONCRETE WALK SECTION FOR LOCATION OF JOINTS.
3.) FULL DEPTH SEPARATORS ARE NOT PERMITTED EXCEPT AT EXP. JOINTS.

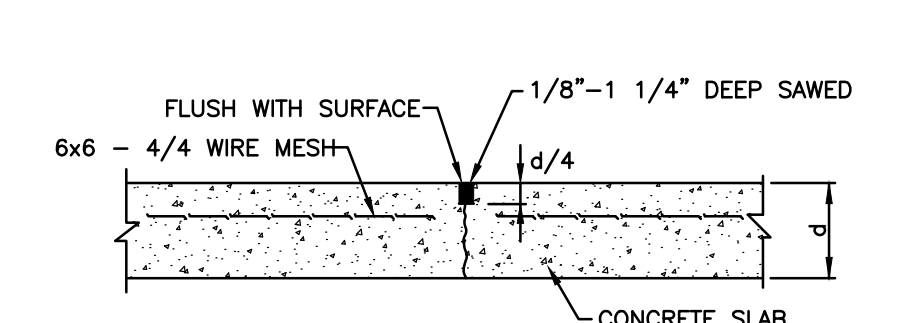


DOWN SPOUT CONNECTION
NO SCALE



NOTE:
WHEN BUILT IN CONJUNCTION WITH CONCRETE PAVEMENT, EXPANSION AND CONTRACTION JOINTS SHOULD BE PLACED AT THE SAME LOCATIONS AS IN THE PAVEMENT SLAB. THE CURB AND GUTTER SHOULD BE TIED TO THE PAVEMENT BY 1/2" ROUND DEFORMED BARS AT ABOUT 3 FOOT INTERVALS. IF NO CONCRETE PAVEMENT IS BEING BUILT, AT THE TIME, THE CURB IS CONSTRUCTED. EXPANSION JOINTS SHOULD BE PLACED AT THE ENDS OF ALL RETURNS AND AT INTERVALS NOT TO EXCEED 100 FEET. CONTRACTION JOINTS SHOULD BE INSTALLED AT 10 FOOT SPACING.

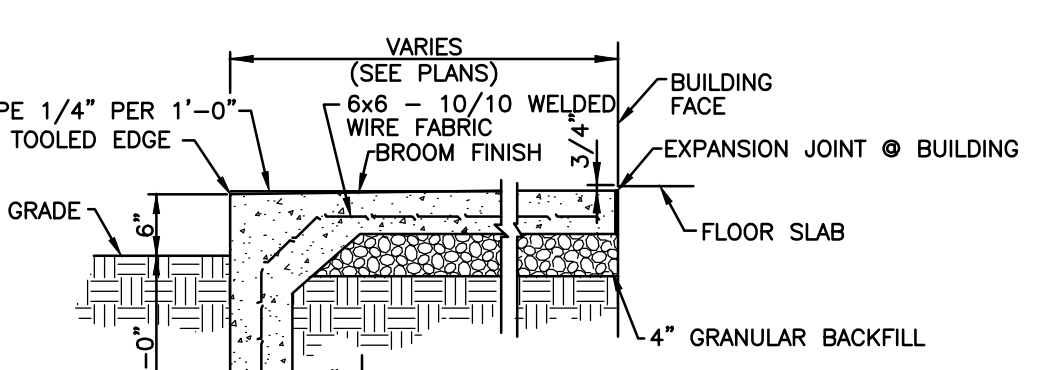
CURB JOINT DETAIL
NO SCALE



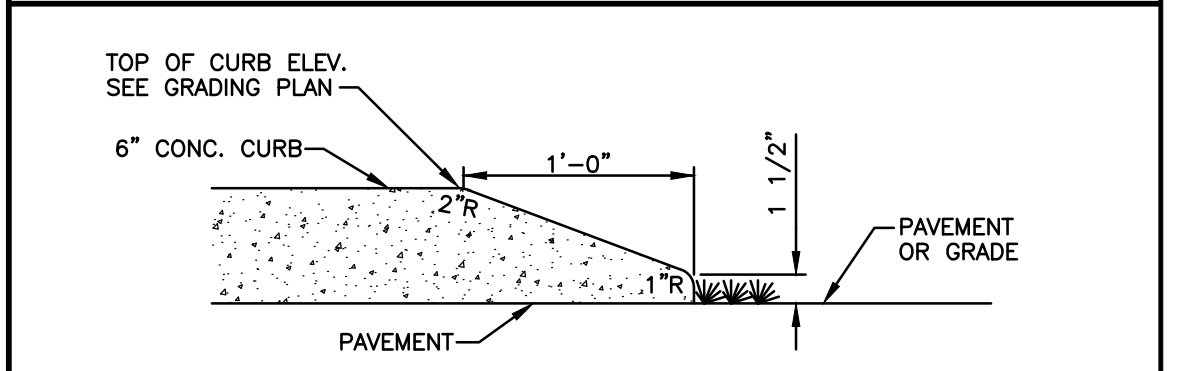
CONTROL JOINT
NO SCALE



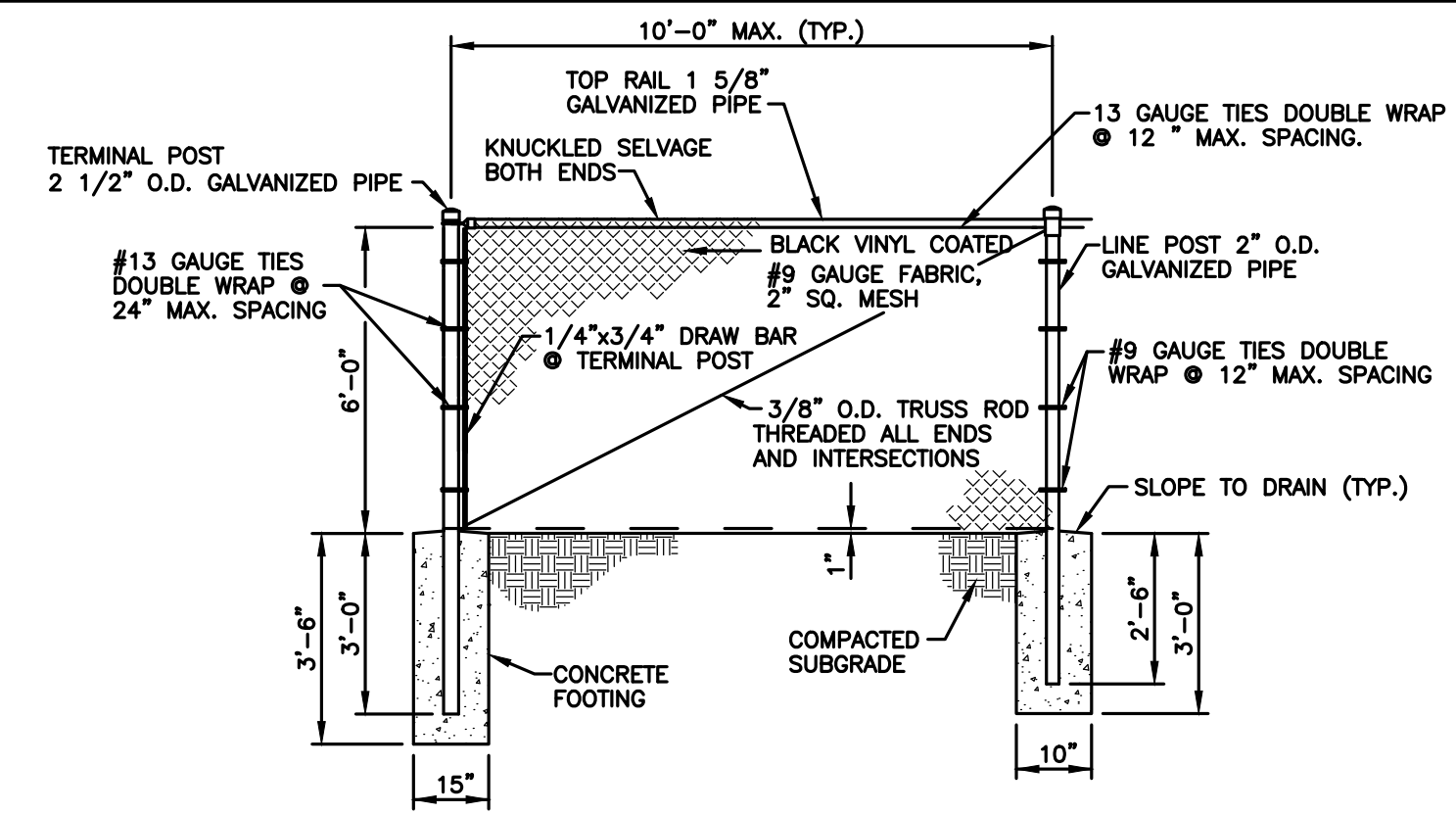
EXPANSION JOINT AT BUILDING DETAIL
NO SCALE



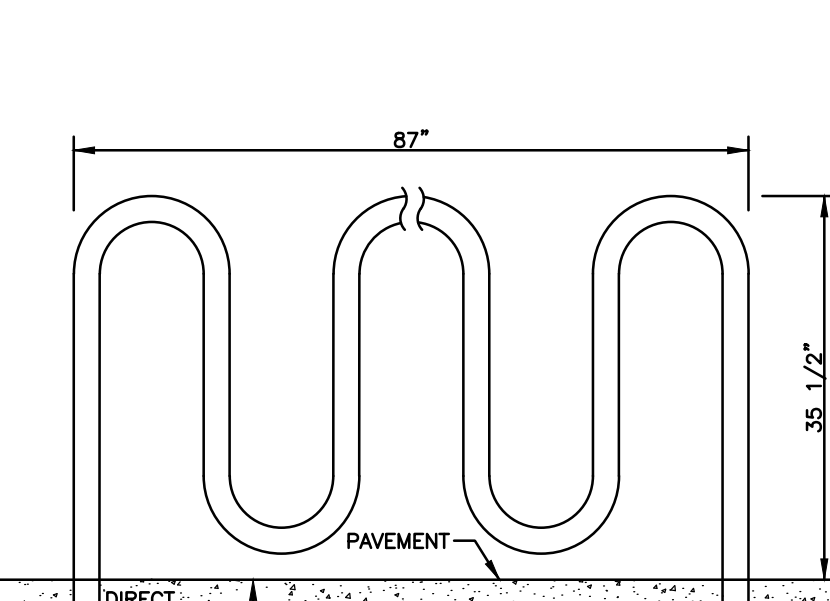
CONCRETE STOOP DETAIL
NO SCALE



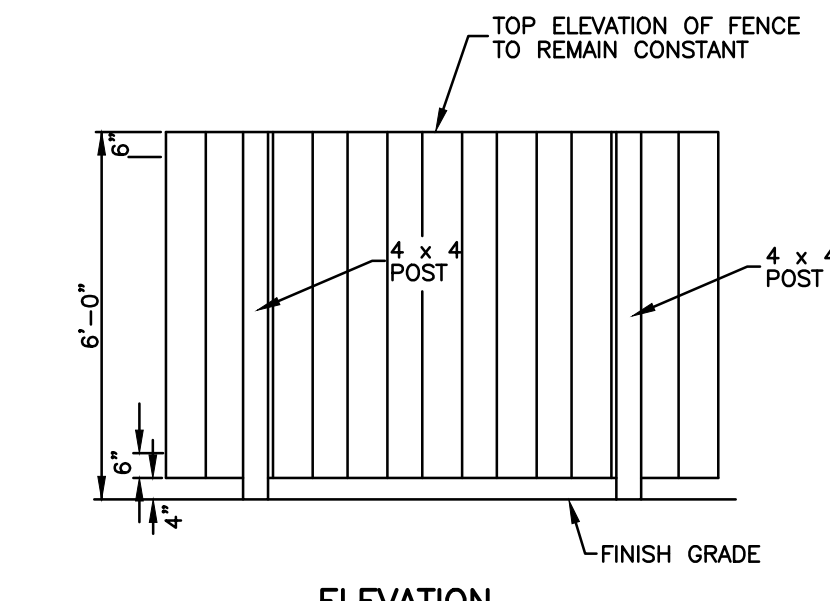
CONCRETE CURB END TAPER
NO SCALE



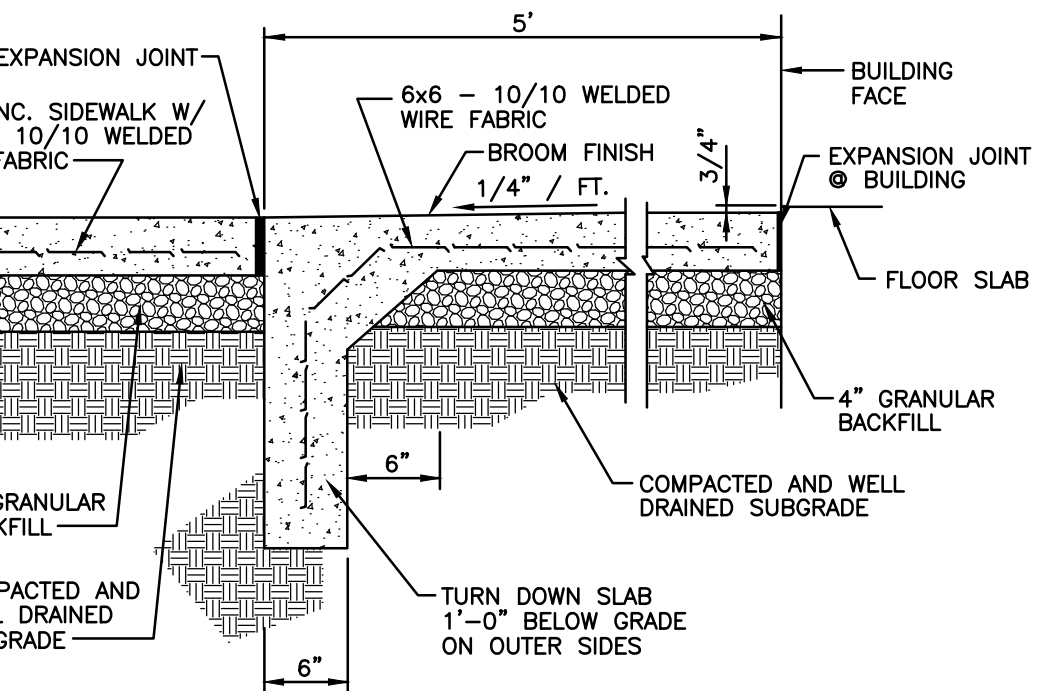
6' BLACK VINYL CHAIN LINK FENCE DETAIL
NO SCALE



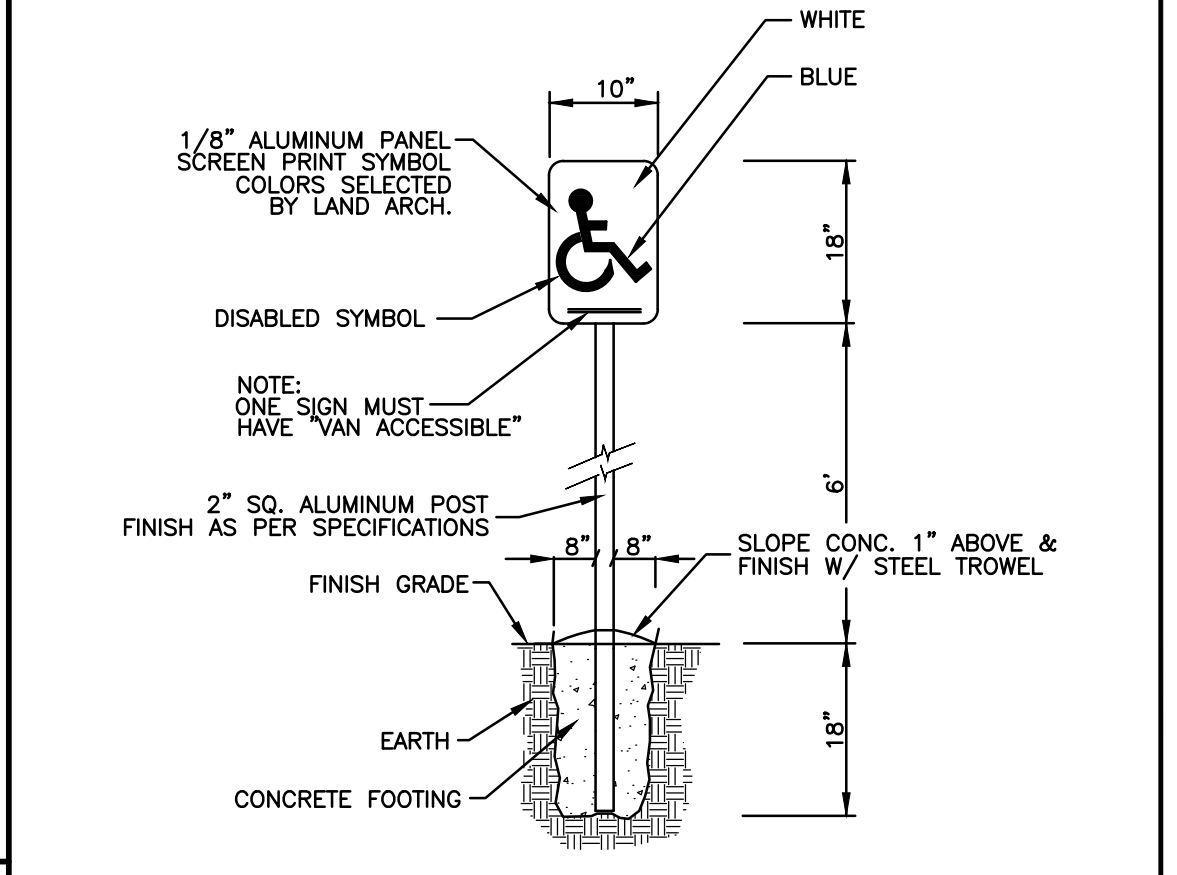
BICYCLE RACK DETAIL
NO SCALE



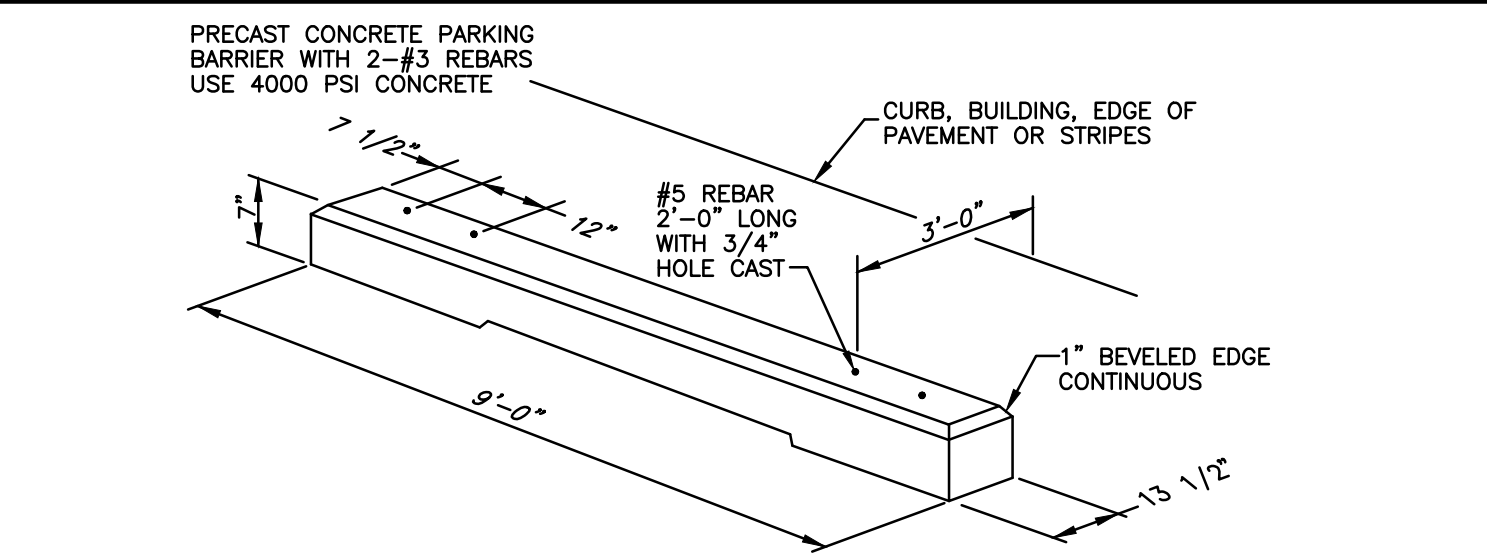
6' WOOD SCREEN FENCE DETAIL
NO SCALE



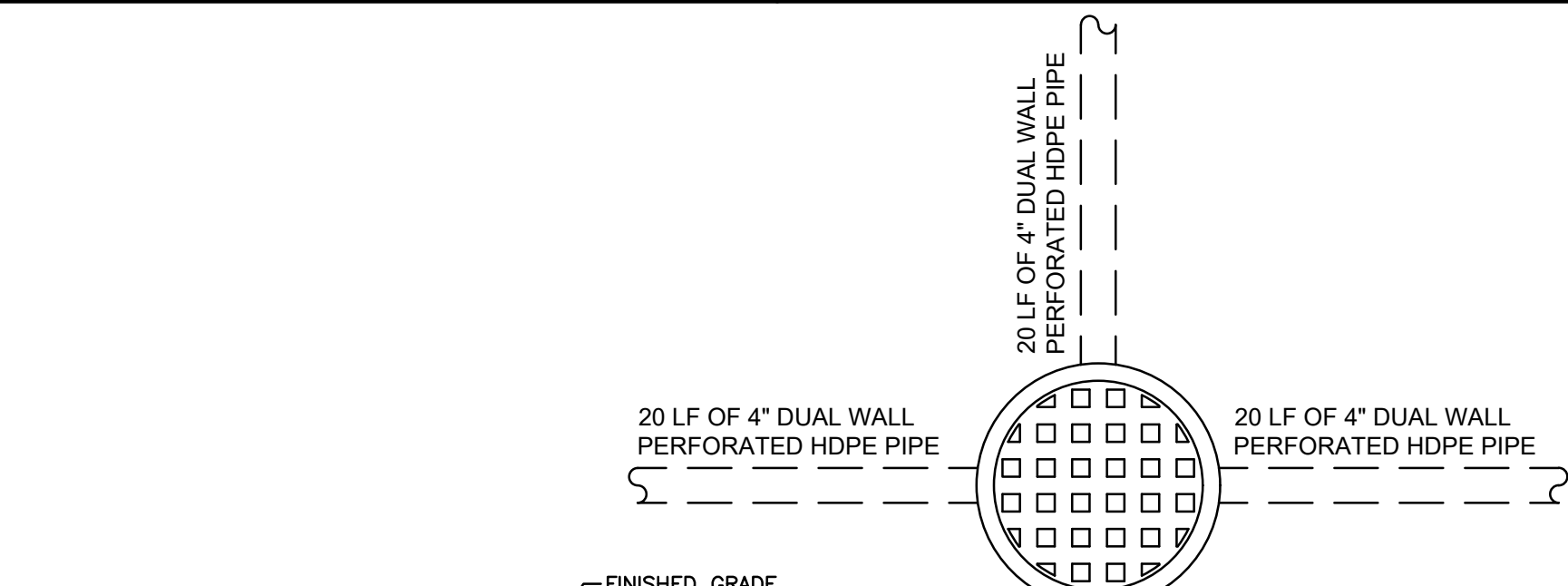
CONCRETE STOOP DETAIL (ADJACENT TO SIDEWALK)
NO SCALE



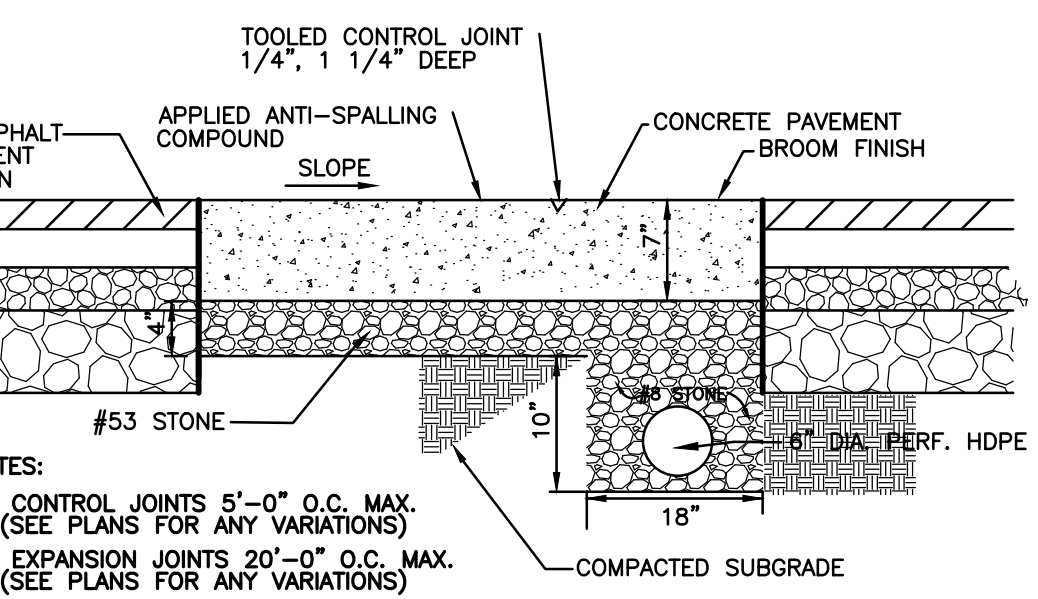
ADA PARKING SIGN
NO SCALE



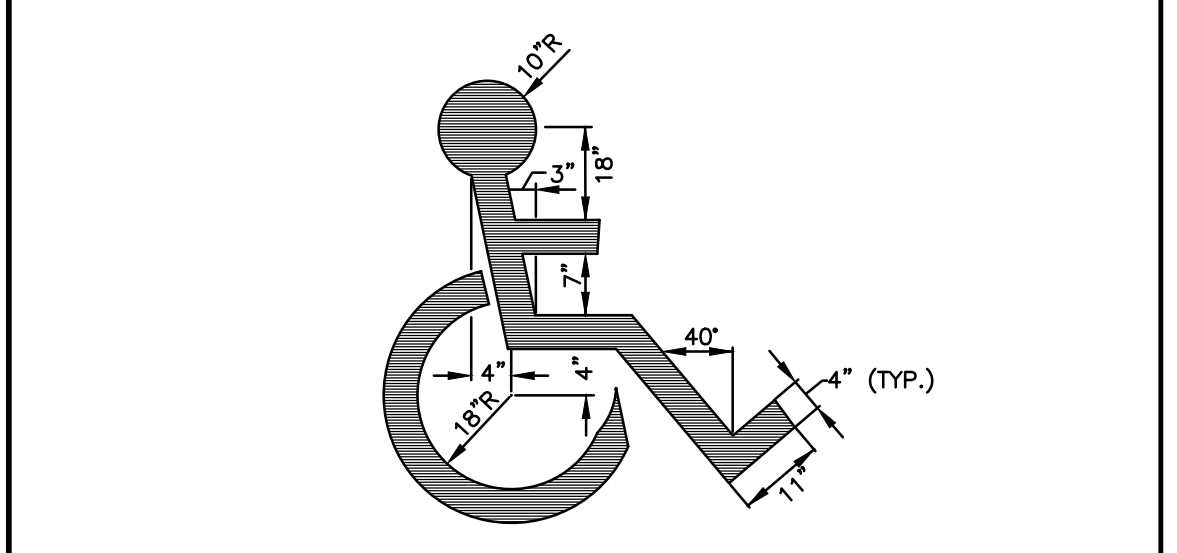
HEAVY DUTY PRECAST CONCRETE WHEEL STOP
NO SCALE



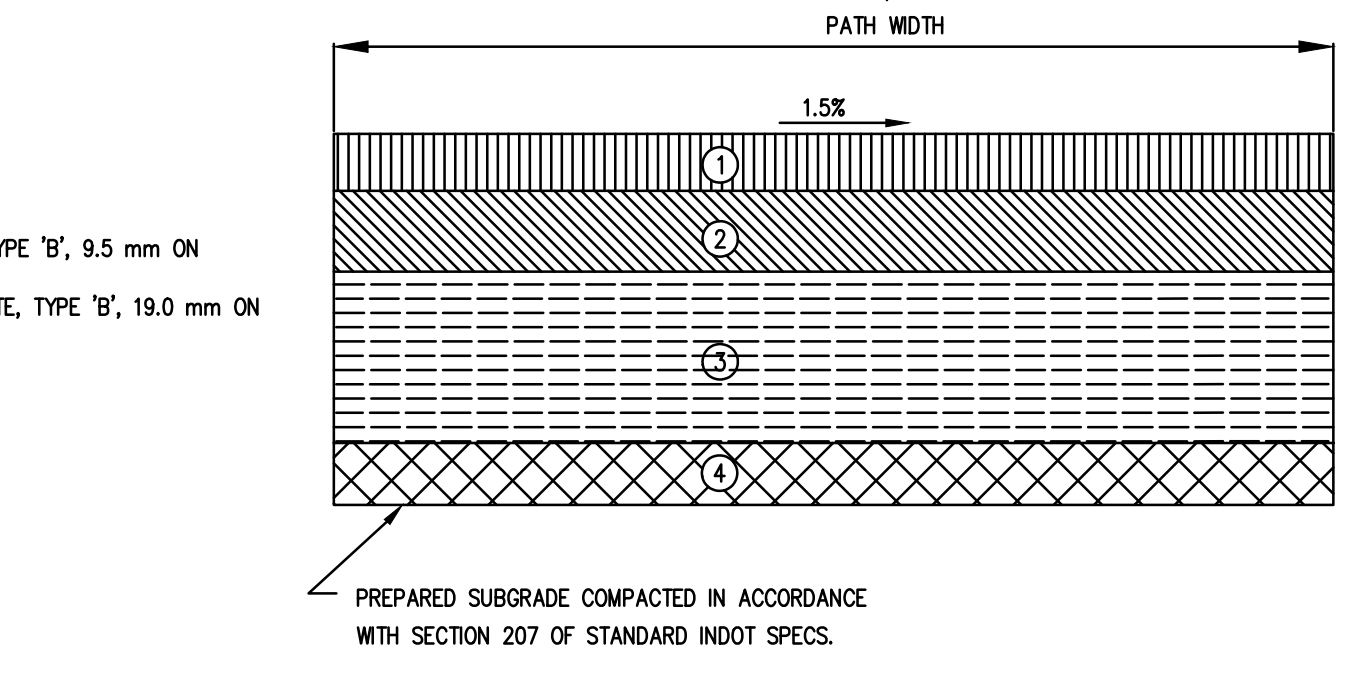
PIPE UNDERDRAIN AT STRUCTURES (TYPICAL INSTALLATIONS)
NO SCALE



CONCRETE DOLLY PAD
NO SCALE



ADA PAVEMENT SYMBOL
NO SCALE



MULTI-USE PATH
NO SCALE

INLET NOTES:
1. SEE UTILITY PLAN FOR ACTUAL LAYOUT OF SUBSURFACE DRAINS.
2. UNDERDRAIN TO BE PLACED @ A 0.5% SLOPE MINIMUM.
3. PERFORATED DUAL WALL PIPE SHALL MEET AASHTO M252 REQUIREMENTS.

PIPE UNDERDRAIN AT STRUCTURES (TYPICAL INSTALLATIONS)
NO SCALE

ISSUANCE SCHEDULE
NUMBER DATE DESCRIPTION

PACE AIR FREIGHT HQ
INDIANA LIFE SCIENCES PARK
PLAINFIELD, INDIANA

PROJECT NO: 82429.12
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DETAILS

SHEET NO:
C-801

Layout Tab Name: C-801 DETAILS
Last Saved By: Burchett, 10/18/2024 11:25:50 AM
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