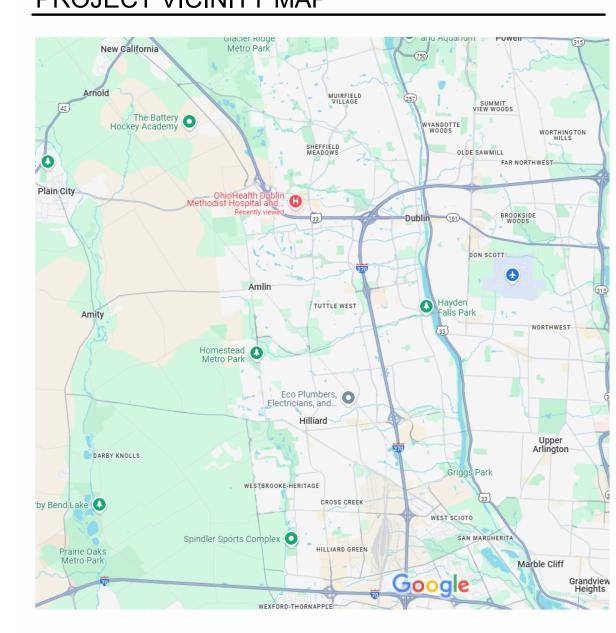
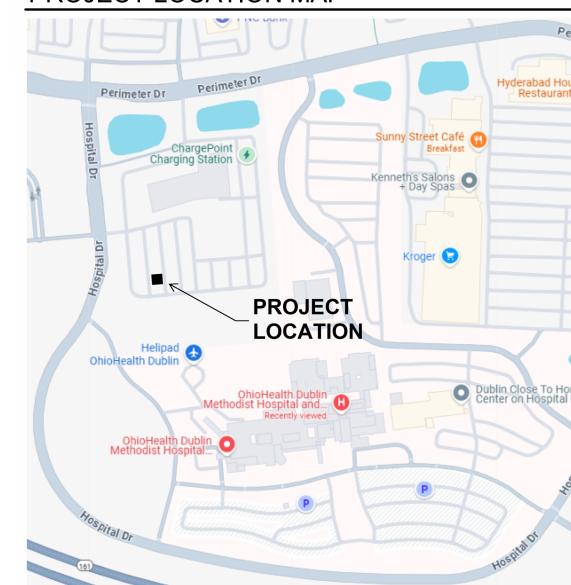
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROVIDE COMPLETE WORKING SYSTEMS FOR NEW ELEMENTS.
- 3. CONTRACTOR(S) SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
- 4. INSTALL ALL WORK, AND PROVIDE ALL NOTICES, IN ACCORDANCE WITH CURRENT APPLICABLE LOCAL, STATE AND NATIONAL CODES, PUBLISHED STANDARDS AND ACCEPTABLE CONSTRUCTION STANDARDS.
- 5. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS NOTED OTHERWISE.
- 6. THE CONTRACTOR(S) SHALL CONFINE OPERATIONS AT THE SITE TO AREAS PERMITTED BY APPLICABLE LAWS, STATUES, ORDINANCES, CODES, RULES AND REGULATIONS, LAWFUL ORDERS OF PUBLIC AUTHORITIES, AND THE CONTRACT DOCUMENTS AND SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH MATERIALS OR FOLLIPMENT
- 7. ITEMS AND AREAS INDICATED NIC ARE "NOT IN CONTRACT". WORK IN SURROUNDING AREAS MAY REQUIRE ACCESS THROUGH OR IN NIC INDICATED ROOMS. REPAIR ALL SURFACES AND SYSTEMS TO THEIR ORIGINAL CONDITION IF DISTURBED OR
- 8. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR MAINTAINING EMERGENCY EGRESS FOR ALL OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE PROTECTED USABLE PATHWAYS THROUGH WORK AREAS AS REQUIRED TO ACCOMMODATE OWNERS BUILDING FUNCTIONS. CONTRACTOR(S)SHALL MAINTAIN PATHWAYS THROUGHOUT DURATION OF THEIR EXISTENCE.
- CONTRACTOR(S) SHALL DETERMINE ERECTION PROCEDURE AND SEQUENCE AND PROVIDE WHATEVER TEMPORARY BRACING, ETC. THAT MAY BE REQUIRED TO COMPLETE THE WORK.
- 11. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CUTTING, FITTING, OR PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY. ALL AREAS REQUIRING CUTTING, FITTING, OR PATCHING SHALL BE RESTORED TO THE CONDITION EXISTING PRIOR TO THE CUTTING, FITTING, OR PATCHING, UNLESS OTHERWISE REQUIRED BY THE CONTRACT DOCUMENTS.
- 12. MATERIALS SHALL BE STORED IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
- 13. VERIFY ALL ROUGH OPENINGS WITH MANUFACTURERS PRIOR TO FRAMING.

PROJECT VICINITY MAP



PROJECT LOCATION MAP



- 14. FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- 16. SCHEDULE ALL SHUT DOWNS OF UTILITIES WITH THE OWNER IN A TIMELY MANNER SUCH THAT THE OWNER CAN ACCOMMODATE THE SHUT DOWN. PREPARE SITE BEFOREHAND TO MINIMIZE THE DURATION OF SHUT DOWN. COMBINE SHUT DOWNS WHERE POSSIBLE.

15. FIELD VERIFY ALL EXISTING SITE DIMENSIONS PRIOR TO START OF CONSTRUCTION.

- 17. DEFINITIONS:
- FURNISH TO SUPPLY, PURCHASE, PROCURE, ACQUIRE, DELIVER TO SITE COMPLETE W/ RELATED ACCESSORIES AND TRANSFER TO OTHERS FOR INSTALLATION. INSTALL TO RECEIVE, UNLOAD, DISTRIBUTE, CONSTRUCT, ERECT, MOUNT, AND CONNECT COMPLETE W/ RELATED ACCESSORIES AND READY FOR SAFE AND REGULAR OPERATION AS APPLICABLE. PROVIDE TO FURNISH, INSTALL, AND PAY ALL
- 18. SCOPE OF WORK SHALL BE AS DEFINED IN THE PRINTED CONTRACT DOCUMENTS. ANY DIGITAL DATA PROVIDED BY THE DESIGN TEAM IS FOR CONTRACTOR(S) INFORMATION OR CONVENIENCE ONLY UNLESS SPECIFICALLY NOTED OTHERWISE IN AN AGREEMENT ASSOCIATED WITH THE DIGITAL DATA.

COORDINATION OF TRADES:

COSTS IN CONNECTION THEREWITH.

- 1. CONTRACTOR(S) SHALL COORDINATE THE WORK WITH ALL TRADES.
- 2. EACH SUB-CONTRACTOR SHALL OBTAIN AND PAY FOR REQUIRED BUILDING PERMIT, SCHEDULE REQUIRED INSPECTIONS, AND COORDINATE WITH ALL OTHER

DISCREPANCIES/ CLARIFICATIONS:

- CONTRACTOR(S) SHALL VERIFY ALL ELEVATIONS, DIMENSIONS AND EXISTING CONDITIONS PRIOR TO INITIATING CONSTRUCTION.
- 2. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
- 3. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- 4. WHERE A DISCREPANCY IS FOUND BETWEEN EXISTING FIELD CONDITIONS AND/OR BETWEEN ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, HVAC, OR ELECTRICAL CONTRACT DOCUMENTS, NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING, FABRICATION OR INSTALLATION.

	DRAWING INDEX - HP
Sheet Number	Sheet Name
ARCHITECTURE	
A-HP1	COVER
A-HP2	TEMPORARY HELIPAD
CIVIL	
C000.HP	TITLE SHEET
C001.HP	GENERAL NOTES
C002.HP	DETAILS
C100.HP	EXISTING CONDITIONS PLAN
C200.HP	SITE PLAN
C300.HP	UTILITY PLAN
C400.HP	GRADING PLAN
C401.HP	GRADING DETAILS
C500.HP	SEDIMENT & EROSION CONTROL PLAN
C501.HP	SEDIMENT & EROSION CONTROL DETAILS
C600.HP	FIRE TRUCK MANEUVERABILITY EXHIBIT
LANDSCAPE	
L100	TREE SURVEY
L101	PLANTING PLAN
HELIPAD CONS	ULTANT
H-1	TEMPORARY HELISTOP FLIGHT PATHS
H-2	TEMPORARY HELISTOP FLIGHT PATHS ENLARGED PLAN
H-3	HELISTOP GENERAL ARRANGEMENT
HE-1	TEMP HELIPAD ELECTRICAL ARRANGEMENT
HE-2	TEMP HELIPAD PARKING LOT ELECTRICAL ARRANGEMENT
HE-3	TEMP HELIPAD ELECTRICAL DETAILS
HE-4	TEMP HELIPAD ELECTRICAL SINGLE LINE DIAGRAM
PA-1	TEMP HELISTOP PAINT ARRANGEMENT

TEMP HELISTOP PAINT DETAILS

ELECTRICAL SITE PLAN DEMOLITION

ELECTRICAL SITE PLAN NEW WORK

ELECTRICAL SCHEDULES

ELECTRICAL

ARCHITECT

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Mark Todd Anderson, License #10042

Expiration Date, 12/31/2025



KORDA
ENGINEERING
1650 Watermark Dr, D// 614.487.1650

Columbus, OH 43215



EMHT ENGINEERING

New Albany, OH 43054

5500 New Albany Rd, D// 614.775.4500

EDGE
LANDSCAPE ACRHITECT

330 W Spring St Ste 350, D// 614.486.3343



5228 River Road Cincinnati, Ohio 45233 (513) 577–5150 (877) HELIPAD (435–4723) www.FECHeliports.com

DATE DESCRIPTION

CLIENT

OhioHealth Dublin

HOSPITAL HELIPAD
TEMPORARY RELOCATION

DUBLIN METHODIST

7500 Hospital Drive Dublin, OH 43016

COVER

commission no. 240 scale: As indicated date:03-07-2025 revised: 04-18-2025

DUBLIN METHODIST HOSPITAL

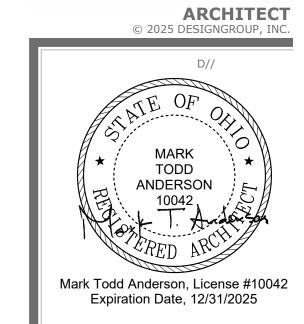
OhioHealth Dublin

HELIPAD TEMPORARY RELOCATION @ 6805 PERIMETER DRIVE

EXISTING OFFICE

BUILDING







WHITING TURNER

CONSTRUCTION MANAGEMENT

262 Hanover St, D// 614.984.3000

Columbus, OH 43215



KORDA ENGINEERING

1650 Watermark Dr, D// 614.487.1650 Columbus, OH 43215



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5500 New Albany Rd, D// 614.775.4500 New Albany, OH 43054



EDGE

LANDSCAPE ACRHITECT

330 W Spring St Ste 350, D// 614.486.3343
Columbus, OH 43215



5228 River Road Cincinnati, Ohio 45233 (513) 577–5150 (877) HELIPAD (435–4723) www.FECHeliports.com

TE DESCRIPTION

CLIENT
OhioHealth Dublin

DUBLIN METHODIST HOSPITAL HELIPAD TEMPORARY RELOCATION

7500 Hospital Drive Dublin, OH 43016

TEMPORARY HELIPAD

commission no. 24072 scale: 1" = 40'-0" date:03-07-2025 revised: 04-18-2025

A-HP2

SURVEY INFORMATION

Vertical Datum of 1988. Said elevations are based upon positional solutions derived from RTK GNSS observations using the Ohio Departmer of Transportation's Ohio Real Time Network equipment and software and the National Geodetic Survey's GEOID18 model at traverse control points numbered 201 and 202. Élevations from said traverse control points were then transferred by conventional leveling procedures to the permanent benchmarks listed hereon. (Fieldwork Completed 04/2023).

Coordinate System, South Zone, NAD 83 (2011). Said coordinates are based upon positional solutions derived from RTK GNSS observations using the Ohio Department of Transportation's Ohio Real Time Network equipment and software at traverse control points numbered 201 and 202. The grid to ground combined scale factor (1.00002509467956) was applied at the location of point number 202 (N 766199.070, E 1782683.523) (Fieldwork Completed 04/2023).

located in the north parking lot of the OhioHealth medical office building (7450 Hospital Drive), being 120 feet from the northwest corner and

BM#3: Chiseled "X" on the east flange bolt of a fire hydrant located on the west side of Hospital Drive, being the first hydrant (140 feet) south the northwesternmost entrance to Dublin Methodist Hospital (#7500).

BM#4: Chiseled "X" on the north flange bolt of a fire hydrant located or the south side of Hospital Drive, being the first hydrant (215 feet) east of the southwesternmost entrance to Dublin Methodist Hospital (#7500).

06/17/2008

N/A

The topographic and boundary survey for this private site improvement plan was prepared on January 9, 2025, by:
Heather King, PS
EMH&T, Inc.
(614) 775-4120
hking@emht.com

Effective Date

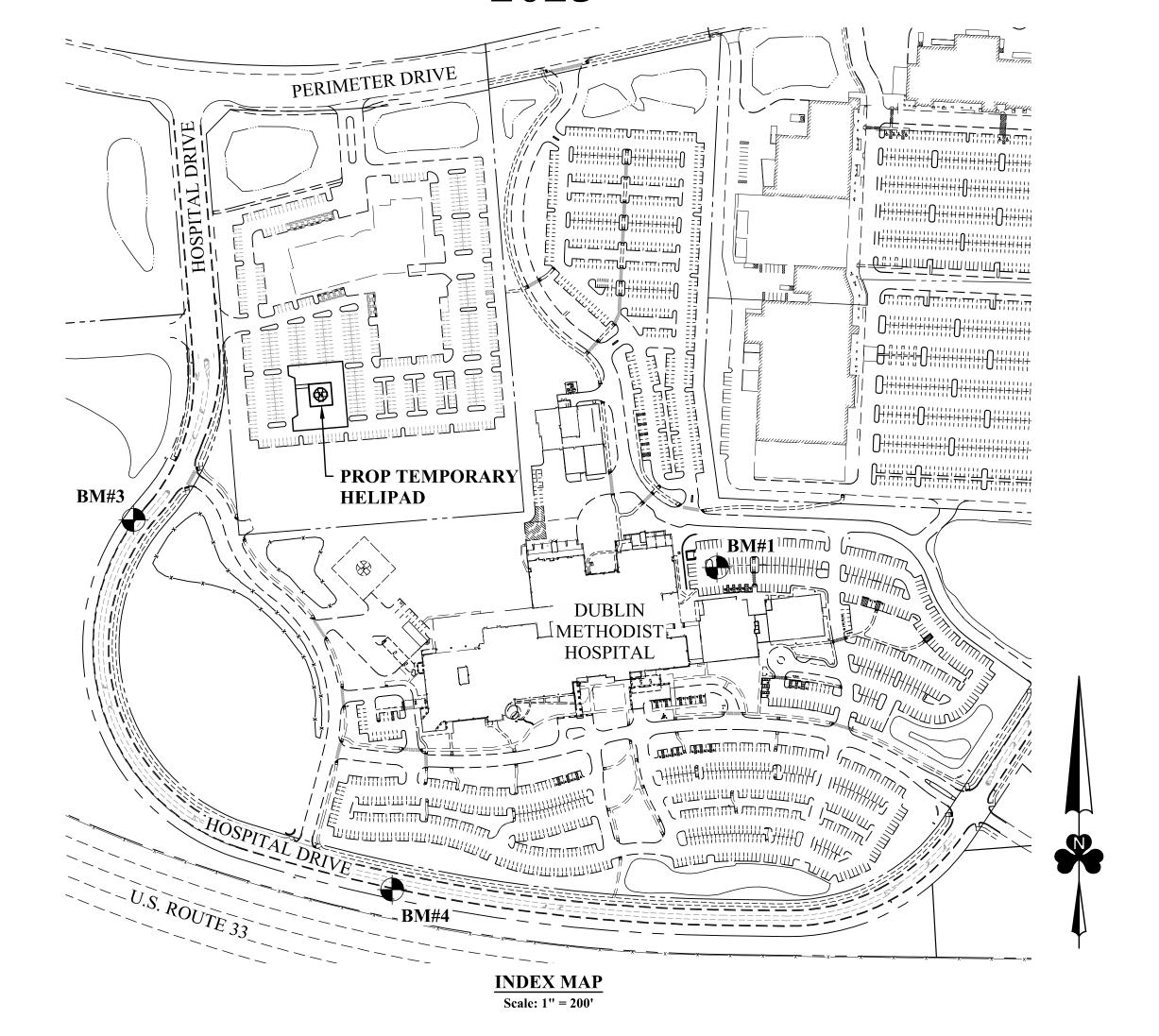
Base Flood Elevation

SITE DATA TABLE Total Site Area 13.30 Ac 0.38 Ac Total Site Area Disturbed Pre-Developed Impervious Area 0.34 Ac Post-Developed Impervious Area 0.38 Ac Disturbed Area within R/W 0.00 Ac Flood Insurance Rate Map Number 39039C0131K



AMENDED FINAL DEVELOPMENT PLAN DUBLIN METHODIST HOSPITAL TEMPORARY HELIPAD

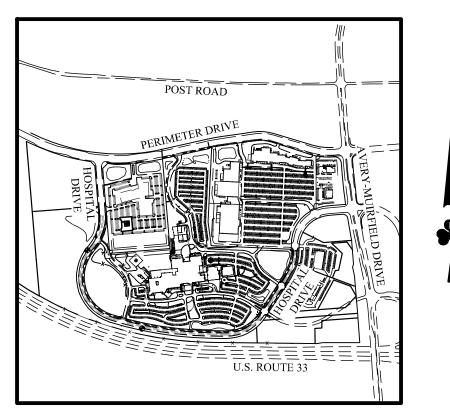
6805 PERIMETER DRIVE CITY OF DUBLIN, FRANKLIN COUNTY, OHIO 2025



PROPERTY OWNER/APPLICANT OhioHealth Corporation 3430 OhioHealth Parkway Columbus, Ohio, 43202

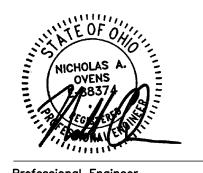
ENGINEER Nick Ovens EMH&T 5500 New Albany Road Columbus, Ohio 43054 Tel: (614) 775-4415 novens@emht.com

PROJECT DESCRIPTION This project consist of constructing a temporary concrete helipad within an existing parking lot to supplement future adjacent construction activities on the OhioHealth Dublin Methodist Hospital campus.



VICINITY MAP

		SHEET INDEX
SHEET NUMBER		SHEET NAME
1	C000	TITLE SHEET
2	C001	GENERAL NOTES
3	C002	DETAILS
4	C100	EXISTING CONDITIONS & DEMOLITION PLAN
5	C200	SITE PLAN
6	C300	UTILITY PLAN
7	C400	GRADING PLAN
8	C401	GRADING DETAILS
9	C500	SEDIMENT & EROSION CONTROL PLAN
10	C501	SEDIMENT & EROSION CONTROL DETAILS
11	C600	FIRE TRUCK MANEUVERABILITY EXHIBIT



E-88374

4/23/2025

25-011-COM DRAWING NUMBER

> **SHEET NUMBER** 1 OF 11

CITY OF DUBLIN PROJECT NUMBER

TE

(ISSUED NOVEMBER 13, 2024)

- THE REGULATIONS AND CONSTRUCTION STANDARDS OF THE CITY OF DUBLIN, TOGETHER WITH CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS OF THESE PLANS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE MORE STRICT SPECIFICATION WILL APPLY, AS DECIDED BY THE CITY ENGINEER.
- . Standard drawings and design standards shall first follow regulations set forth by city of DUBLIN. FOLLOWED BY CITY OF COLUMBUS, FOLLOWED BY ODOT, FOLLOWED BY DESIGN ENGINEER "PER PLAN" NOTE. ITEM NUMBERS LISTED IN THESE PLANS SHALL REFER TO CITY OF COLUMBUS ITEM NUMBERS.
- 3. ANY MODIFICATIONS TO THE APPROVED PLANS MUST BE SUBMITTED BY THE ENGINEER OF RECORD TO THE CITY ENGINEER FOR REVIEW AND APPROVAL. MODIFICATIONS SHALL FOLLOW THE PLAN REVISION PROCESS AS SET FORTH BY THE CITY ENGINEER.
- . THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE OF CONSTRUCTION. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR/DEVELOPER TO PERFORM WORK ACCORDING TO THE
- . THE CONTRACTOR AND ANY SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTIONS ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER OSHA 29 CFR
- . THE DESIGN ENGINEER, DEVELOPER, OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES, LICENSES, AND INSPECTION REQUIRED FOR THE PROPER EXECUTION OF THE IMPROVEMENTS SHOWN ON THE APPROVED PLANS, INCLUDING BUT NOT LIMITED TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.
- . PRIOR TO CONSTRUCTION, AND AFTER PLANS AND EASEMENTS HAVE BEEN APPROVED, THE CONTRACTOR SHALL CONTACT THE CITY OF DUBLIN DIVISION OF ENGINEERING AT 614-410-4740 TO SET UP A PRECONSTRUCTION MEETING. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE AND CONTACT INFORMATION FOR ALL CONTRACTORS AND SUBCONTRACTORS. ONCE THE PRECONSTRUCTION MEETING HAS BEEN HELD, THE CONTRACTOR SHALL CONTACT THE DIVISION OF ENGINEERING IN WRITING 14 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.
- . THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED PLANS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION.
- SEND INFORMATION TO THE FOLLOWING ADDRESS: CONSTRUCTION INSPECTION DIVISION CITY OF COLUMBUS 1800 EAST 17TH AVENUE

SURVEYOR AND APPROVED BY THE CITY ENGINEER.

- COLUMBUS, OHIO 43219 SEND COPY OF TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS:
- DIVISION OF ENGINEERING-UTILITIES CITY OF DUBLIN 6555 SHIER RINGS ROAD
- DUBLIN, OHIO 43016 WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION, AND BEFORE REQUESTING OCCUPANCY, AN AS-BUILT SURVEY SHALL BE PROVIDED TO THE DIVISION OF BUILDING STANDARDS UNDER THE APPROVED SITE PERMIT. THAT DOCUMENTS AS-BUILT ELEVATIONS, DIMENSIONS, SLOPES, AND ALIGNMENTS OF ALL ELEMENTS OF THE
- 08-030 FOR COMPLETE REQUIREMENTS. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES, AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS OF SURVEY MARKERS DISTURBED DURING CONSTRUCTION, AT THE CONTRACTOR'S EXPENSE, RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL

PROJECT. THE AS-BUILT SURVEY SHALL BE PREPARED, SIGNED, AND SUBMITTED BY THE PROFESSIONAL

ENGINEER WHO SEALED THE CONSTRUCTION PLANS. SEE DIVISION OF ENGINEERING ADMINISTRATIVE POLICY

- I.2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF WORK TO BE PERFORMED, TO IDENTIFY THE NECESSARY CONSTRUCTION MEANS AND METHODS TO ACCOMPLISH ALL WORK ITEMS AS PART OF THE APPROVED PLANS, AND TO NOTIFY THE ENGINEER OF RECORD AND CITY ENGINEER OF ANY IDENTIFIED CONFLICTS, ERRORS, OR OMISSIONS FROM THE APPROVED PLANS.
- THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO THE CONSTRUCTION LIMITS AS SHOWN ON THE APPROVED PLANS, AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS. UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER. ALL WORK PERFORMED IN THE RIGHT-OF-WAY OR CONNECTING TO ANY PUBLIC INFRASTRUCTURE SHALL BE COORDINATED WITH AND INSPECTED BY THE CITY OF DUBLIN INSPECTOR.
- 4. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PROPERTY, UTILITY, STRUCTURE, SIGNS, LANDSCAPING, OR OTHER INFRASTRUCTURE AT THEIR EXPENSE THAT HAS BEEN DAMAGED DURING CONSTRUCTION TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO THE DAMAGE. ALL WORK IS TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
- 15. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION PER ITEM 659. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADE AND CROSS SECTIONS THAT EXISTED BEFORE CONSTRUCTION UNLESS OTHERWISE NOTED ON THE APPROVED PLANS.
- 16. THE CONTRACTOR SHALL ABIDE BY CONSTRUCTION HOURS AND REQUIREMENTS AS DEFINED IN SECTION 150.160 OF THE CITY CODE.
- I7. NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.
- TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS. OR SHARED-USE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE CITY CODE. ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE CITY. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.
- 20. ALL FIELD TILES BROKEN DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 21. ALL TREES WITHIN THE PROJECT LIMITS NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED PLANS, UNLESS APPROVED BY THE CITY ENGINEER. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM OF 15 FEET FROM THE TREE TRUNK. TREES 6 INCHES OR GREATER AT DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREE TRIMMING WITHIN THE RIGHT-OF-WAY IS TO BE COMPLETED BY A CERTIFIED ARBORIST.
- 22. UTILITY TRENCH BACKFILL WITHIN A 1:1 INFLUENCE OF PUBLIC OR PRIVATE INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, SHARED-USE PATHS, ETC.) OR EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) SHALL BE COMPACTED GRANULAR BACKFILL PER ITEM 912 OF THE STANDARD SPECIFICATIONS, OR LOW STRENGTH MORTAR BACKFILL, TYPE II, PER ITEM 613. ITEM 911 OF THE STANDARD SPECIFICATIONS SHALL BE USED
- 23. ALL STORM SEWERS, SANITARY SEWERS AND WATER LINES SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. ALL UTILITIES SHALL HAVE A MINIMUM OF 18 INCH OF VERTICAL CLEARANCE.
- STORM SEWERS, SANITARY SEWERS, AND WATER LINES, LOCATED IN FILL AREAS SHALL NOT BE CONSTRUCTED UNTIL AFTER COMPACTED FILL HAS BEEN INSTALLED TO PROPOSED GRADE.
- 25. ALL MANHOLE LIDS IN PAVEMENT SHALL HAVE A CONCRETE COLLAR PER CITY OF DUBLIN STANDARD
- 26. ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED PLANS OR SECURELY PLATED DURING NON-WORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NON-WORKING HOURS. CLEAN UP SHALL IMMEDIATELY FOLLOW THE TRENCHING OPERATION.
- 27. ANY UTILITY MUST BE DIRECTIONALLY BORED ACROSS STREET INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED. SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, LOW STRENGTH MORTAR BACKFILL, TYPE II PER ITEM 613 SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL. PERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY MUST BE OBTAINED FROM THE DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION.

28. PAVEMENT SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, OR AS REQUIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441, AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS, ADA RAMPS, SIDEWALKS, SHARED-USE PATHS, PARKING LOT PAVEMENT, ETC. SHALL BE INSTALLED ACCORDING TO THE APPROVED PLANS AND CITY OF DUBLIN STANDARD DRAWINGS.

29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY

- AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE OF THE WORK AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.
- 30. THE CONTRACTOR IS NOT PERMITTED TO USE ANY RECLAIMED OR RECYCLED MATERIALS IN ITEM 304, AGGREGATE BASE UNLESS APPROVED BY THE CITY ENGINEER.
- 31. PARK AREAS SHALL BE FINE-GRADED AND SEEDED WITH THE FOLLOWING MIXTURE:
- IMPROVED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) IMPROVED PERENNIAL RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) GERMINATION RATE: 85% APPLICATION RATE: 7 POUNDS PER 1000 SQUARE FEET OR AS DIRECTED BY THE DIVISION OF PARKS AND

UTILITIES NOTES

- 32. THE CONTRACTOR SHALL GIVE NOTICE TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (800-362-2764 OR 8-1-1), AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS BEFORE THE START OF CONSTRUCTION.
- 33. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED PLANS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UTILITY. THE CITY OF DUBLIN AND CITY ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED PLANS. IF DAMAGE IS CAUSED TO UNDERGROUND UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT
- 34. LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED PLANS SHALL BE THE RESPONSIBILITY OF THE
- 35. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, OWNER, AND THE
- 36. PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE DIVISION OF ENGINEERING AT 614-410-4740, 14 CALENDAR DAYS PRIOR TO BEGINNING WORK.

- 37. TRAFFIC CONTROL FOR VEHICULAR, PEDESTRIAN, AND SHARED-USE PATH TRAFFIC SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.
- 38. ALL TRAFFIC LANES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM UNLESS APPROVED BY THE CITY ENGINEER, AT ALL OTHER HOURS, THE CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC IN THE APPROVED PLANS. UNIFORMED, OFF-DUTY POLICE OFFICERS SHALL REPLACE FLAGMEN DESIGNATED BY THE OMUTCD, AND SHALL BE PRESENT WHENEVER ONE-LANE, TWO-WAY TRAFFIC CONTROL IS IN EFFECT. POLICE CRUISERS MAY BE REQUIRED AS DIRECTED BY THE CITY ENGINEER.
- 39. IF THE CITY ENGINEER DETERMINES THAT THE CONTRACTOR IS NOT PROVIDING PROPER PROVISIONS FOR TRAFFIC CONTROL, THE CITY ENGINEER SHALL ASSIGN UNIFORMED, OFF-DUTY POLICE OFFICERS AT THE
- 40. STEADY-BURNING, TYPE "C" LIGHTS PER THE OMUTCD SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.
- 41. ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES FOR MAIL, PUBLIC WATER AND SANITARY SEWER SERVICE. AND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN DETAILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES FOR ROADWAYS, SIDEWALKS, AND SHARED-USE PATHS. THE TRAFFIC CONTROL PLAN MUST INCORPORATE TRAFFIC CONTROL DETAILS AS SHOWN ON THE APPROVED PLANS. THE TRAFFIC CONTROL PLAN PROPOSED BY THE CONTRACTOR MUST BE SUBMITTED, REVIEWED, AND APPROVED BY THE CITY ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 42. TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ANCHOR BASE INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41.20 AND APPLICABLE CITY OF DUBLIN SPECIFICATIONS.
- 43. STREET SIGNS SHALL MEET ALL CITY OF DUBIN SPECIFICATIONS WITH LETTERING COLORED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH TYPE S SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

EROSION AND SEDIMENT CONTROL NOTES

- 44. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS AND CONDITIONS AS SET FORTH BY THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A COPY OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWP3), NPDES PERMIT, AND THE OHIO EPA NOI MUST BE KEPT ON SITE AND CLEARLY DISPLAYED AT ALL TIMES. WHEN A SWP3 IS REQUIRED, THIS PLAN SET SHALL NOT BE APPROVED UNTIL THE SWP3 HAS BEEN REVIEWED AND APPROVED BY THE CITY OF
- 45. ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF DUBLIN AND/OR THE OHIO EPA.
- 46. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE SITE, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED PER THE REQUIREMENTS OF THE "RAINWATER AND LAND DEVELOPMENT" MANUAL PROVIDED BY THE OHIO EPA.
- 47. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO SEDIMENT BASINS, SEDIMENT TRAPS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.
- 48. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE SITE AREA AT ALL TIMES CONSISTENT WITH APPROPRIATE EROSION CONTROL PRACTICES.
- 49. STABILIZATION OF DISTURBED AREAS SHALL AT A MINIMUM BE INITIATED IN ACCORDANCE WITH THE TIME FRAME SPECIFIED IN THE FOLLOWING TABLES:

TABLE 1: PERMANENT STABILIZATION

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

TABLE OF TEMPODARY CTABLETATION

ABLE 2: TEMPORARY STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THINDIVIDUAL LOT(S)
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.

SANITARY SEWER NOTES

- 50. EXTENSIONS AND/OR MODIFICATION TO THE PUBLIC SANITARY SEWER SYSTEM WILL REQUIRE AN OEPA PTI (PERMIT TO INSTALL) UNDER A SEPARATE PLAN SET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING REVIEW FEES. SANITARY SERVICE CONNECTIONS OR MODIFICATIONS TO THE PUBLIC SANITARY SEWER SYSTEM REQUIRE INSPECTION BY THE CITY OF DUBLIN DIVISION OF ENGINEERING.
- 51. SANITARY SEWERAGE COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS, AND SPECIFICATIONS OF THE CITY OF COLUMBUS, CITY OF DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTH, AND THE CURRENT EDITION OF THE GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD (TEN STATES) - RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES.
- 52. ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED ACCORDING TO SECTION 51.23 OF THE CITY CODE.
- 53. MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE:
- 6 INCH SERVICE LATERAL: PVC. ASTM D3034. SDR35 8 INCH - 10 INCH: PVC, ASTM D3034, SDR35

MORTAR BACKFILL PER ITEM 613, TYPE II.

DUBLIN LOGO PER CITY STANDARD DRAWINGS.

- 12 INCH 30 INCH: PVC, ASTM D3034, SDR 35 OR SANITITE HP, ASTM F2736 30 INCH - 60 INCH: PVC, ASTM D3034, SDR 35 OR SANITITE HP, ASTM F2764
- PIPE DEPTHS BETWEEN 20 FEET TO 28 FEET DEEP SHALL BE SDR 26. PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET. ALL PIPE MATERIALS AND RELATED STRUCTURES SHALL BE SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.
- MINIMUM PIPE SLOPE FOR SERVICE LATERALS SHALL BE 2.08%. MAIN LINE PIPES SHALL MEET THE REQUIREMENTS OF THE CITY OF COLUMBUS SANITARY SEWER DESIGN MANUAL.
- 54. TRENCH DAMS SHALL BE INSTALLED ALONG SANITARY SEWERS PER ITEM 901.11 AND SHALL BE SHOWN ON THE SANITARY SEWER PROFILE.
- 55. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18 INCH AND LARGER, SHALL BE EITHER
- KOR-N-TEE OR KOR-N-SEAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS. 56. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER ITEM 912 OR LOW STRENGTH
- 57. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF-SEALING GASKETS. BOLT DOWN LIDS SHALL BE INSTALLED PER CITY OF DUBLIN STANDARD DRAWING OR AS REQUIRED BY THE CITY ENGINEER. SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN STANDARD MANHOLE DRAWING. MANHOLE LIDS SHALL INCLUDE CITY OF
- 58. ALL FLEXIBLE SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 30 DAYS AFTER COMPLETION OF BACKFILLING OPERATIONS. ALL OTHER REQUIREMENTS SHALL BE ACCORDING TO ITEM 901.21.
- 59. ALL SANITARY SEWERS INCLUDING SERVICE LINES SHALL BE SUBJECT TO AND PASS INFILTRATION AND EXFILTRATION TESTS ACCORDING TO ITEM 901 AND MUST BE INSPECTED AND APPROVED FOR USE BY THE CITY ENGINEER BEFORE ANY SERVICE CONNECTIONS ARE TAPPED INTO SEWERS.
- 60. FOR SANITARY SEWER INFILTRATION, LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 GALLONS PER INCH OF TRIBUTARY SEWER DIAMETER PER 24 HOURS PER MILE OF LENGTH OR THE COMPUTED EQUIVALENT. ALL SANITARY SEWERS SHALL BE TESTED AND INSPECTED BY CITY OF DUBLIN DIVISION OF ENGINEERING.
- 61. UNLESS OTHERWISE DETERMINED BY THE CITY ENGINEER, THE CONTRACTOR SHALL PERFORM A CCTV INSPECTION OF THE SANITARY SEWER LATERAL PRIOR TO THE FINAL APPROVAL BY THE CITY. CCTV SHALL CONFORM TO CURRENT PACP STANDARDS. THIS WORK SHALL BE COMPLETED AT THE CONTRACTOR'S
- VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY ENGINEER.
- 62. TEMPORARY BULKHEADS SHALL REMAIN IN PLACE UNTIL THE PTI HAS BEEN ISSUED BY THE OEPA AND THE SEWERS HAVE BEEN APPROVED FOR USE BY THE CITY ENGINEER. THE COST FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING BULKHEADS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 63. WHERE SANITARY SEWERS CROSS WATER MAIN OR OTHER UTILITIES, COMPACTED GRANULAR MATERIAL PER ITEM 912 SHALL BE PLACED BETWEEN THE CROSSING PIPES. IN THE EVENT A WATER LINE MUST VERTICALLY CROSS A SANITARY SEWER WITH LESS THAN 18 INCHES OF SEPARATION FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE, THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF DUCTILE IRON PIPE MATERIAL.
- 64. SERVICE RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. RISERS SHALL CONFORM TO STANDARD DRAWING SA-03.
- 65. BACKWATER VALVES SHALL BE INSTALLED ON SANITARY SERVICES WITH LESS THAN 2 FEET OF RISER PIPE WITHIN THE FOOTPRINT OF THE BUILDING AS REQUIRED BY THE CITY ENGINEER. BACKWATER VALVES SHALL BE INSTALLED AT THE TIME THE HOUSE/STRUCTURE IS CONSTRUCTED.
- 66. A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE SHALL BE INSTALLED AT THE TIME OF THE INSTALLATION OF THE WYE.
- 67. THE CONTRACTOR SHALL FURNISH AND PLACE 4 INCH X 4 INCH X 10 FEET LONG PRESSURE TREATED WOOD WYE POLES AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE ACCEPTANCE BY THE CITY.
- 68. SANITARY WYES SHALL BE PLACED A MINIMUM OF 10 FEET FROM MANHOLES UNLESS APPROVED BY THE CITY ENGINEER.
- 69. EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. PUMPING AND BYPASSING SANITARY SEWER FLOW SHALL BE AT THE CONTRACTOR'S EXPENSE. A PLAN FOR PUMPING SHALL BE SUBMITTED AND APPROVED BY THE CITY ENGINEER.
- 70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:
- a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING
- i. KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. ii. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION
- iii. OR EQUAL AS APPROVED BY THE CITY ENGINEER
- b. RUBBER GASKET COMPRESSION PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION
- ii. DURA SEAL III: DURA TECH, INC.
- iii. LINK-SEAL: THUNDERLINE CORPORATION iv. OR EQUAL AS APPROVED BY THE CITY ENGINEER
- THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE, TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:
- a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING
- KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION
- OR EQUAL AS APPROVED BY THE CITY ENGINEER RUBBER GASKET COMPRESSION
- PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION DURA SEAL III: DURA TECH, INC.
- iii. LINK-SEAL: THUNDERLINE CORPORATION
- iv. OR EQUAL AS APPROVED BY THE CITY ENGINEER
- THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT THE CONTRACTOR'S EXPENSE.

STORM SEWER NOTES

- 71. BLIND TAPS OF STORM SEWERS OR ROOF DRAINS TO STORM SEWER SYSTEMS ARE NOT PERMITTED UNLESS AUTHORIZED BY THE CITY ENGINEER. ROOF DRAIN SYSTEMS MUST CONNECT TO THE STORM SEWER SYSTEM AT A STORM SEWER CATCH BASIN OR MANHOLE UNLESS AUTHORIZED BY THE CITY ENGINEER.
- 72. THE MINIMUM PIPE SIZE FOR PRIVATE OR PUBLIC STORM SEWER SYSTEMS IS 12 INCHES.
- 73. WHERE PRIVATE STORM SEWERS CONNECT TO PUBLIC STORM SEWERS, THE LAST RUN OF PRIVATE STORM SEWER CONNECTING TO THE PUBLIC STORM SEWER SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76, WALL B, CLASS IV (12 INCH TO 15 INCH), CLASS III (18 INCH TO 24 INCH), CLASS II (27 INCH AND LARGER), UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER. INSPECTION OF THE CONNECTION TO THE PUBLIC STORM SEWER SYSTEM IS REQUIRED BY THE CITY OF DUBLIN DIVISION OF ENGINEERING.

- 74. MINIMUM REQUIREMENTS FOR PRIVATE STORM SEWER PIPE:

 - 12 INCH 15 INCH: ASTM C76, WALL B. CLASS IV 18 INCH - 24 INCH: ASTM C76, WALL B, CLASS III
 - iii. 27 INCH AND LARGER: ASTM C76, WALL B, CLASS II HP STORM
 - PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL AND SPIGOT JOINT PER ASTM F2881
 - HP SANITITE PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL
 - AND SPIGOT JOINT PER ASTM F2764 PIPE MATERIAL AS APPROVED BY THE CITY ENGINEER. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH REMOVABLE, PROTECTIVE
 - MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING JOINT ASSEMBLY. 75. ALL FLEXIBLE STORM PIPE SHALL BE MANDREL TESTED IN ACCORDANCE WITH CITY OF COLUMBUS ITEM

WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE

- 76. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER ITEM 912 OR LOW STRENGTH
- MORTAR BACKFILL PER ITEM 613, TYPE II. 77. ALL BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF COLUMBUS STANDARD CONSTRUCTION
- 78. ALL STORM WATER DETENTION AND RETENTION AREAS AND FLOOD ROUTING SWALES SHALL BE CONSTRUCTED TO FINISH GRADE AND HYDRO-SEEDED AND HYDRO-MULCHED ACCORDING TO ITEMS 203 AND 659 OF THE STANDARD SPECIFICATIONS.
- 79. STORM INLETS AND CATCH BASINS SHALL BE CHANNELIZED AND HAVE BICYCLE SAFE GRATES. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO. ALL CURB INLETS AND CATCH BASIN GRATES SHALL INCLUDE ENGRAVED LETTERING PER CITY OF DUBLIN STANDARD DRAWING ST-04: "DUMP NO WASTE! DRAINS TO WATERWAYS".
- 80. STORM SEWER OUTLETS 18 INCHES AND GREATER IN DIAMETER ACCESSIBLE FROM STORM WATER MANAGEMENT FACILITIES OR WATERCOURSES SHALL INCLUDE SAFETY GRATES PER CITY OF DUBLIN STANDARD DRAWING ST-02. STORM SEWER NOTES
- 81. HEADWALLS SHALL BE REQUIRED AT ALL STORM SEWER INLETS OR OUTLETS TO AND FROM STORM WATER MANAGEMENT FACILITIES. STONE VENEER AND WALL CAPS TREATMENTS SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES PER CITY OF DUBLIN STANDARD DRAWING ST-01.

(CONTINUED)

- 82. ANY NEW SERVICE CONNECTIONS OR MODIFICATIONS TO AN EXISTING WATER SERVICE SHALL REQUIRE AN APPROVED WATER SERVICE PLAN PER CITY OF COLUMBUS REQUIREMENTS. THIS PLAN SHALL BE SUBMITTED AND REVIEWED CONCURRENTLY BY BOTH CITY OF DUBLIN AND CITY OF COLUMBUS.
- 83. ONCE PLANS ARE APPROVED, WATER CAPACITY FEES SHALL BE PAID SEPARATELY TO CITY OF DUBLIN BUILDING STANDARDS FOLLOWED BY CITY OF COLUMBUS DIVISION OF WATER.
- 84. ALL WATER LINE MATERIALS SHALL BE PROVIDED AND INSTALLED ACCORDING TO CURRENT SPECIFICATIONS OF THE CITY OF COLUMBUS DIVISION OF WATER. PUBLIC WATER PIPE SHALL CONFORM TO 801.03. PRIVATE WATER PIPE SHALL MEET THE APPROVAL OF CITY OF COLUMBUS DIVISION OF WATER PRIOR TO APPROVAL OF
- 85. THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING AND CITY OF COLUMBUS DIVISION OF WATER AT LEAST 72 HOURS PRIOR TO TAPPING INTO EXISTING WATER LINES.
- 86. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST 1 WORKING DAY BUT NOT MORE THAN 3 WORKING DAYS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SERVICE. INTERRUPTION OF WATER SERVICE SHALL BE MINIMIZED AND MUST BE APPROVED BY THE CITY ENGINEER.
- 87. NO WATER TAPS OR SERVICE CONNECTIONS (E.G., TO CURB STOPS OR METER PITS) MAY BE ISSUED UNTIL ADJACENT PUBLIC WATER LINES SERVING THE SITE HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER AND HAVE BEEN ACCEPTED BY THE CITY ENGINEER. A TAP PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE CITY OF DUBLIN AND THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO MAKING ANY TAPS INTO PUBLIC WATER LINES.
- 88. PUBLIC WATER LINES SHALL BE DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER. REQUESTS FOR WATER LINE CHLORINATION SHALL BE MADE THROUGH THE CITY OF DUBLIN DIVISION OF ENGINEERING. THE COST FOR CHLORINATION SHALL BE PAID BY THE CONTRACTOR.
- 89. ALL WATER LINES SHALL BE PLACED AT A MINIMUM DEPTH OF 4 FEET MEASURE FROM TOP OF FINISHED GRADE TO TOP OF WATER LINE. WATER LINES SHALL BE SET DEEPER AT ALL POINTS WHERE NECESSARY TO CLEAR EXISTING OR PROPOSED UTILITY LINES OR OTHER UNDERGROUND RESTRICTIONS BY A MINIMUM OF 18
- 90. WATER METER LOCATIONS SHALL BE APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER.
- 91. CURB STOP BOXES SHALL BE LOCATED AT LEAST 1 FOOT INSIDE THE RIGHT-OF-WAY AND SET AT
- 92. IF THE TOP OF THE OPERATING NUT OF ANY VALVE IS GREATER THAN 36 INCHES BELOW FINISHED GRADE, AN EXTENSION STEM SHALL BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 24 INCHES OF FINISHED GRADE ELEVATION.
- 93. TWO 1/2 INCH TAPS SHALL BE INSTALLED WITHIN 2 FEET OF THE END OF THE LINE ON DEAD-END WATER
- 94. FIRE HYDRANTS SHALL FOLLOW CITY OF DUBLIN STANDARD DRAWING WA-01 AND BE INSTALLED PER CITY OF COLUMBUS STANDARDS.

USE OF FIRE HYDRANTS NOTES

- 95. THE CONTRACTOR SHALL MAKE PROPER ARRANGEMENTS WITH THE CITY OF DUBLIN SERVICE DEPARTMENT AND THE COLUMBUS DIVISION OF WATER FOR THE USE OF FIRE HYDRANTS WHEN USED FOR WORK PERFORMED AS PART OF THE APPROVED PLANS. THE CONTRACTOR SHALL PROVIDE THE CITY OF DUBIN A COPY OF THE HYDRANT USAGE PERMIT OBTAINED FROM THE CITY OF COLUMBUS. THE CONTRACTOR SHALL ALSO SEND COPIES OF PERMITS OBTAINED FROM DUBLIN AND COLUMBUS TO THE WASHINGTON AND/OR PERRY TOWNSHIP FIRE DEPARTMENT. PERMITS SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
- 96. BEFORE THE FINAL ESTIMATE IS PAID, THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE CITY OF COLUMBUS DIVISION OF WATER TO THE DUBLIN CITY ENGINEER STATING THAT THE CONTRACTOR HAS RETURNED THE SIAMESE VALVE TO THE CITY OF COLUMBUS AND HAS PAID ALL COSTS ARISING FROM THE USE OF THE FIRE HYDRANTS.

BLASTING NOTES

(IF PERMITTED)

97. THE CONTRACTOR MUST OBTAIN A BLASTING PERMIT FROM WASHINGTON TOWNSHIP FIRE DEPARTMENT PRIOR TO BLASTING FOR ROCK EXCAVATION. THE CONTRACTOR SHALL SUBMIT BLASTING REPORTS UPON COMPLETION OF BLASTING TO THE CITY ENGINEER, THE OWNER, AND THE OWNER'S ENGINEER. THE TOP OF ROCK ELEVATIONS SHALL BE SHOWN ON "AS-BUILT" CONSTRUCTION DRAWINGS.

MAIL DELIVERY NOTES

- 98. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT US MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS. THE RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW FOR COMPLETION OF THE WORK AND SHALL ALSO INCLUDE THE RESTORATION OF MAILBOXES TO THEIR ORIGINAL LOCATION OR APPROVED NEW LOCATION.
- 99. RELOCATION OF MAILBOX SERVICES MUST FIRST BE COORDINATED WITH THE US POSTAL SERVICE AND THE HOMEOWNER. LOCATION OF MAILBOXES SHALL FOLLOW THE REQUIREMENTS OF THE US POSTAL SERVICE.

DRAWING NUMBER

SHEET NUMBER

2 OF 11

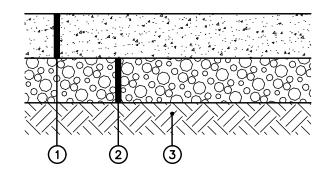
- (1) CMSC Item 441, 1.5" Asphalt Concrete, Surface Course (Light Traffic), PG64-22
- (2) CMSC Item 407, Tack Coat, Applied At A Rate Of 0.10 Gal. Per Sq. Yd.
- (3) CMSC Item 441, 1.5" Asphalt Concrete, Intermediate Course, (Medium Traffic), PG 64-22
- (4) CMSC Item 304, 6" Aggregate Base
- (5) CMSC Item 204, Subgrade Compaction

- NOTES

 1. All pavement materials shown as per applicable ODOT Construction and Material Specifications unless otherwise noted.

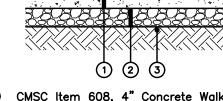
 2. Pavement section shown in accordance with the existing development. EMH&T assumes no liability for pavement sections.

STANDARD DUTY ASPHALT PAVEMENT SECTION



- 1) Item 452, 8" Plain Portland Cement Concrete Pavement
- 2 Item 304, 6" Crushed Aggregate Base
- (3) Item 204, Subgrade Compaction, Ref. Soils Report

HELIPAD PAVEMENT SECTION



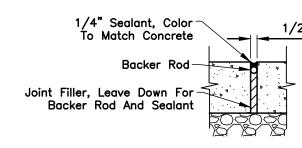
- ① CMSC Item 608, 4" Concrete Walk
- ② CMSC Item 304, 4" Aggregate Base
- (3) CMSC Item 204, Subgrade Compaction

- NOTES

 1. Maintain maximum cross—slope of 2.00%. Provide isolation joints where new walk abuts existing or new pavement, structure, or other site features per Detail D, this sheet.
 Provide control joints per Detail E, this sheet.
 Reference plan views for widths at various locations.

CONCRETE SIDEWALK

Not to Scale

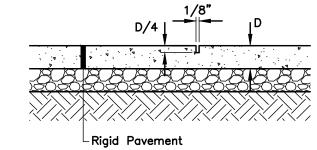


NOTES

- 1. Place isolation joints where new concrete slab abuts existing and new concrete, buildings, catch basins, curbs or
- other fixed objects, and as noted on the plans. Seal joint with polyurethane sealant. Preformed expansion joint filler, non-impregnated type, closed cell resilient polyethylene foam, 1/2" thick unless otherwise noted.

DETAIL **ISOLATION JOINT**

Not to Scale



NOTES

- 1. Where not noted otherwise, provide control joints on
- concrete walks at equally spaced intervals matching sidewalk width to create square sections.
- 2. In concrete aprons, dumpster pads or walkways wider than 7'-0" provide control joints at equally spaced intervals to create square sections. Maximum spacing 10'-0" each direction.

 3. Joints may be saw cut, troweled or formed.



Not to Scale

ESTIMATE OF QUANTITIES The Quantities Have Been Established As A Means For The City To Estimate The Necessary Development Fees. The Contractor Shall Be Solely Responsible For Determining The Required Bid Quantities Necessary For The Completion Of The Plan Improvements. ITEM | QUANTITY | UNIT DESCRIPTION SEDIMENT & EROSION CONTROL EA Inlet Protection 207 EA Concrete Washout

JIST HOSPIT HELIP

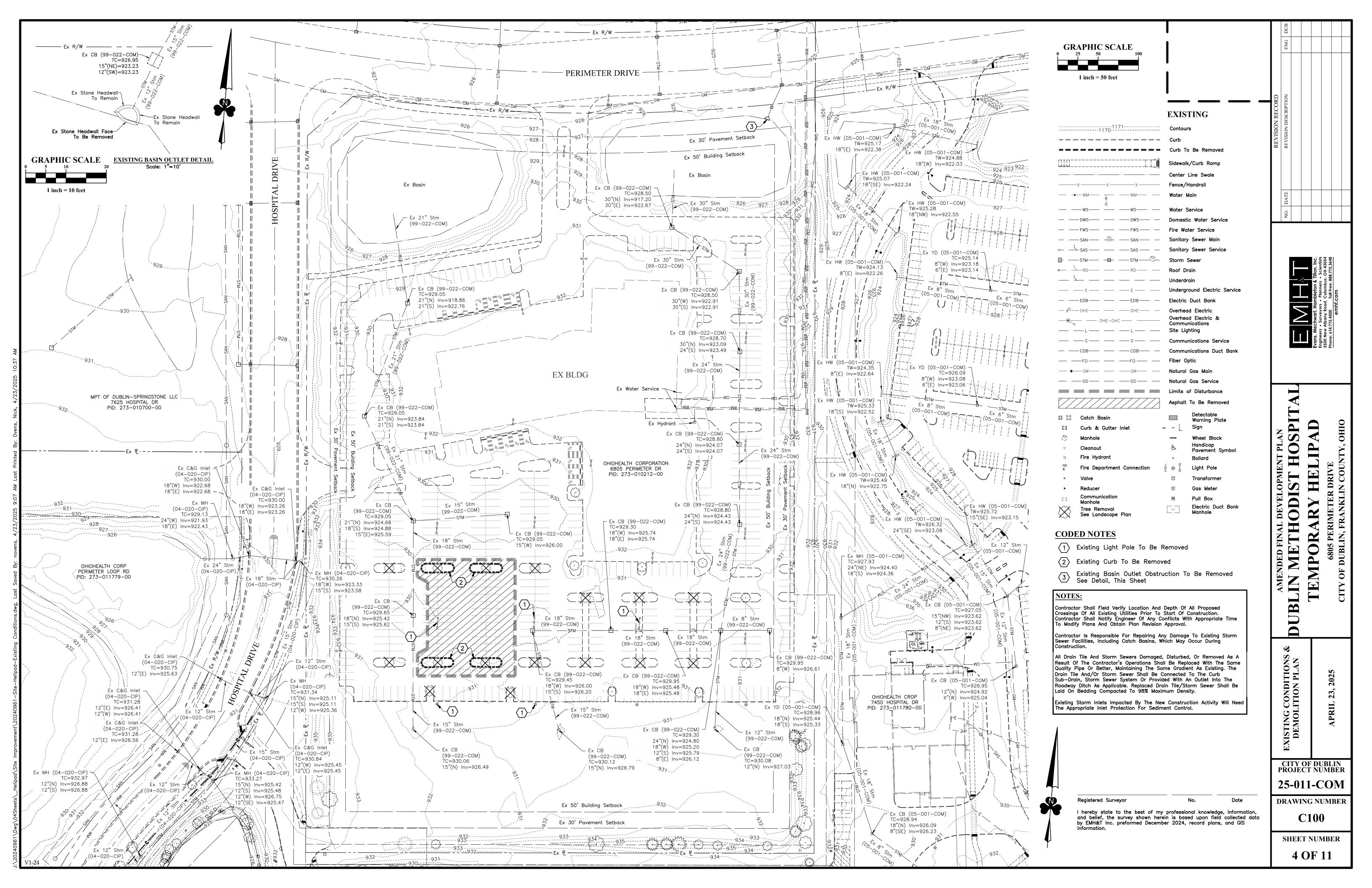
6805 PERIMET 7 OF DUBLIN, FRANK TEMPORAR

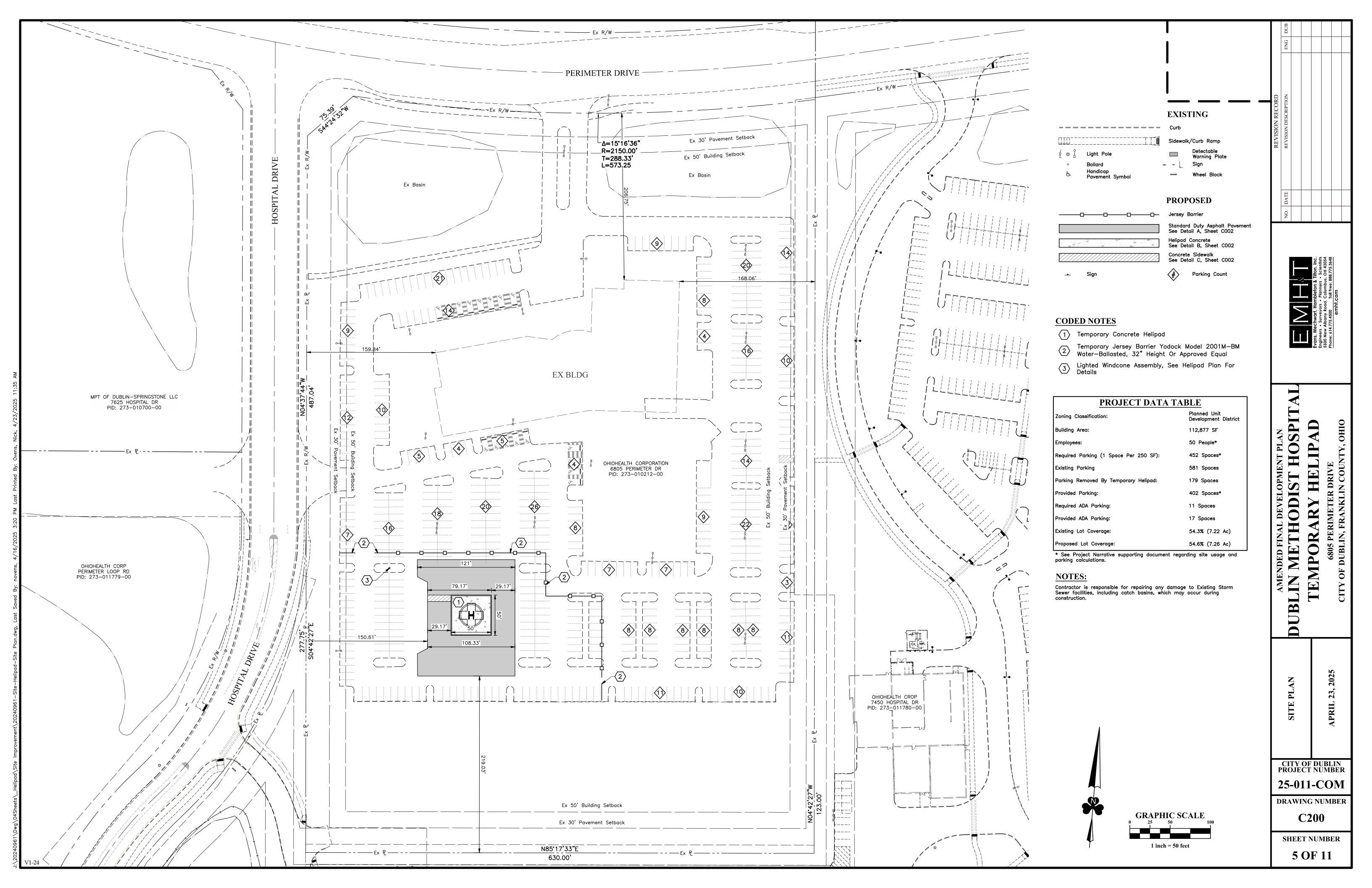
CITY OF DUBLIN PROJECT NUMBER 25-011-COM

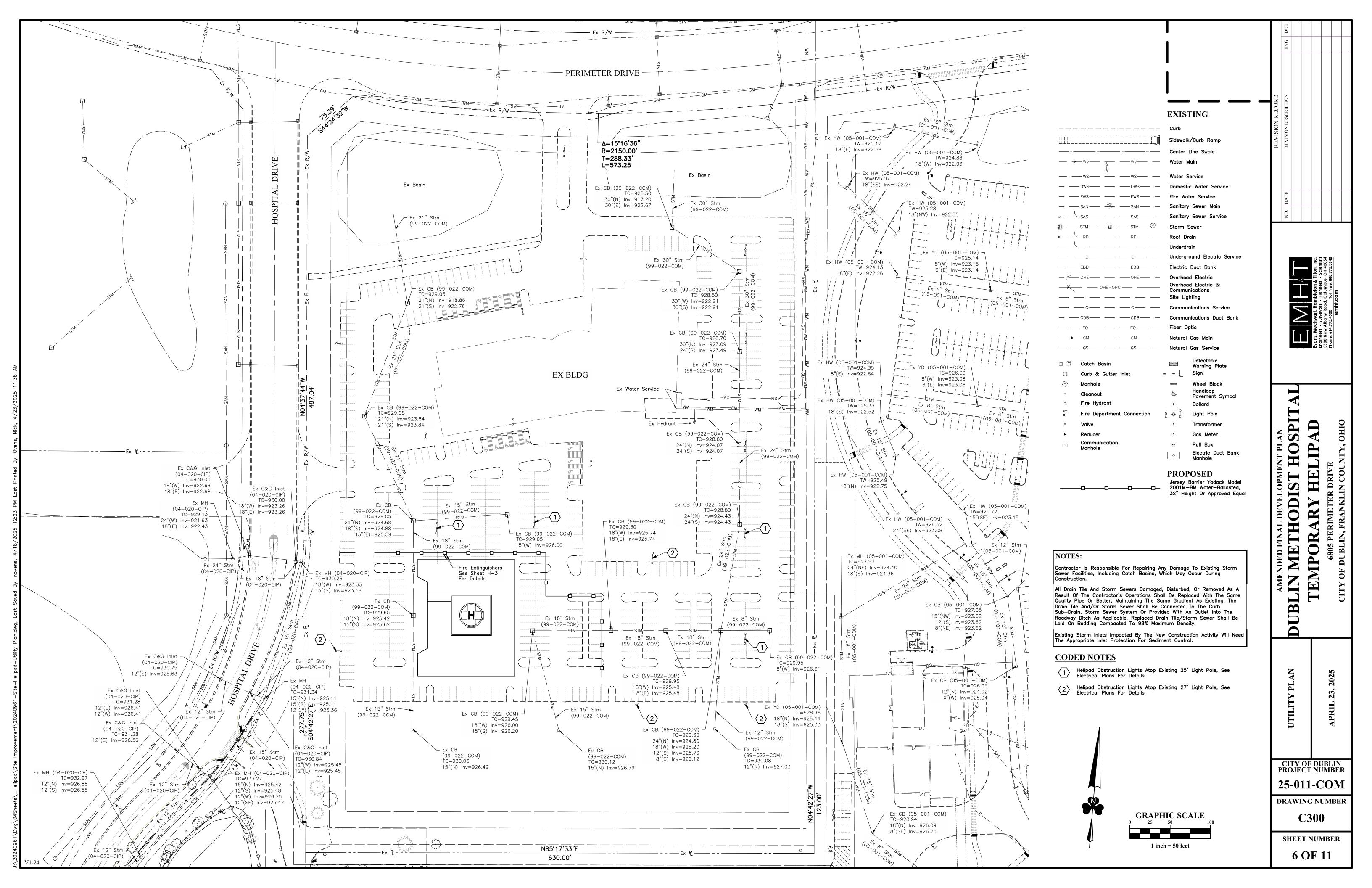
DRAWING NUMBER **C002**

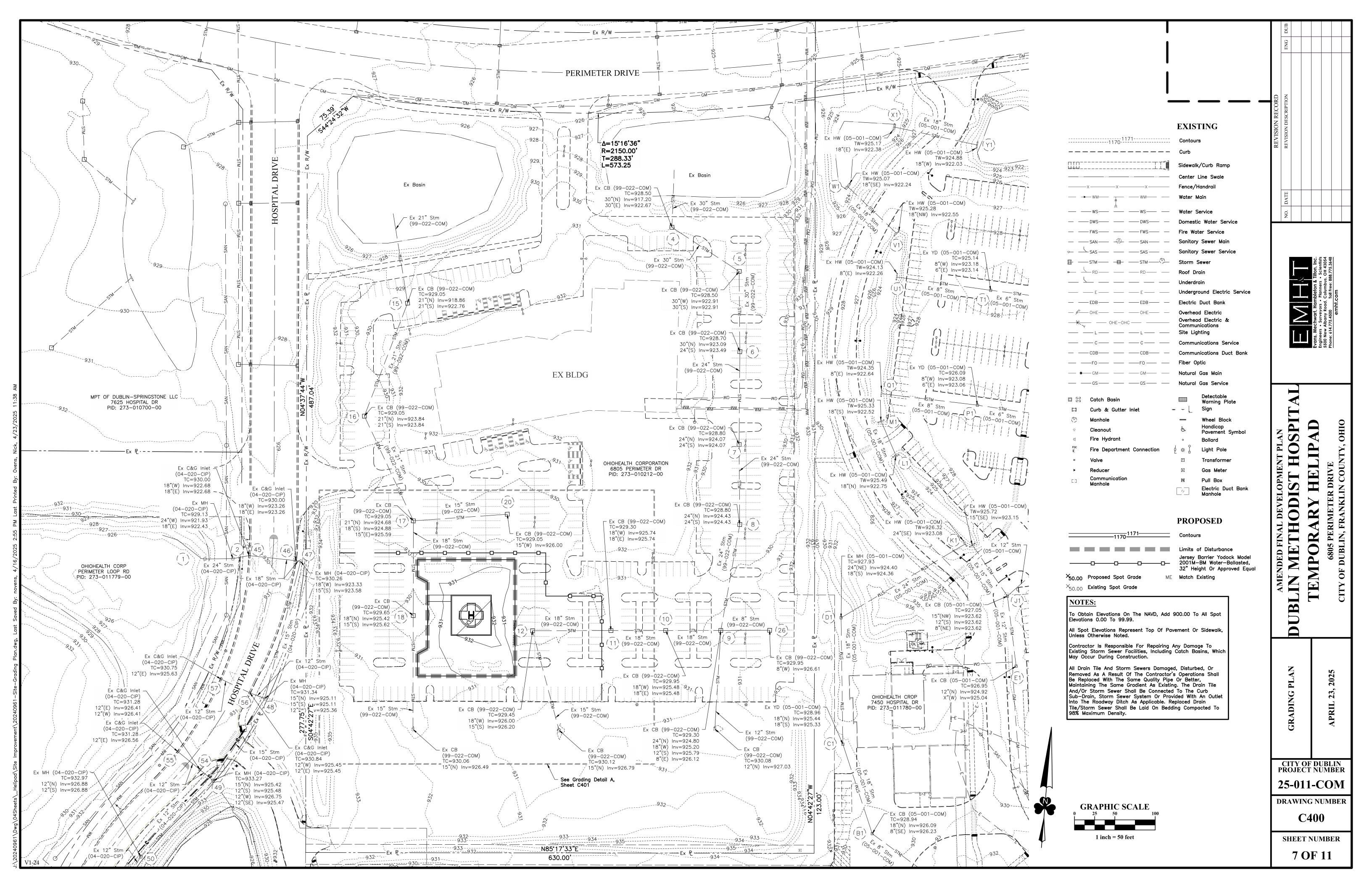
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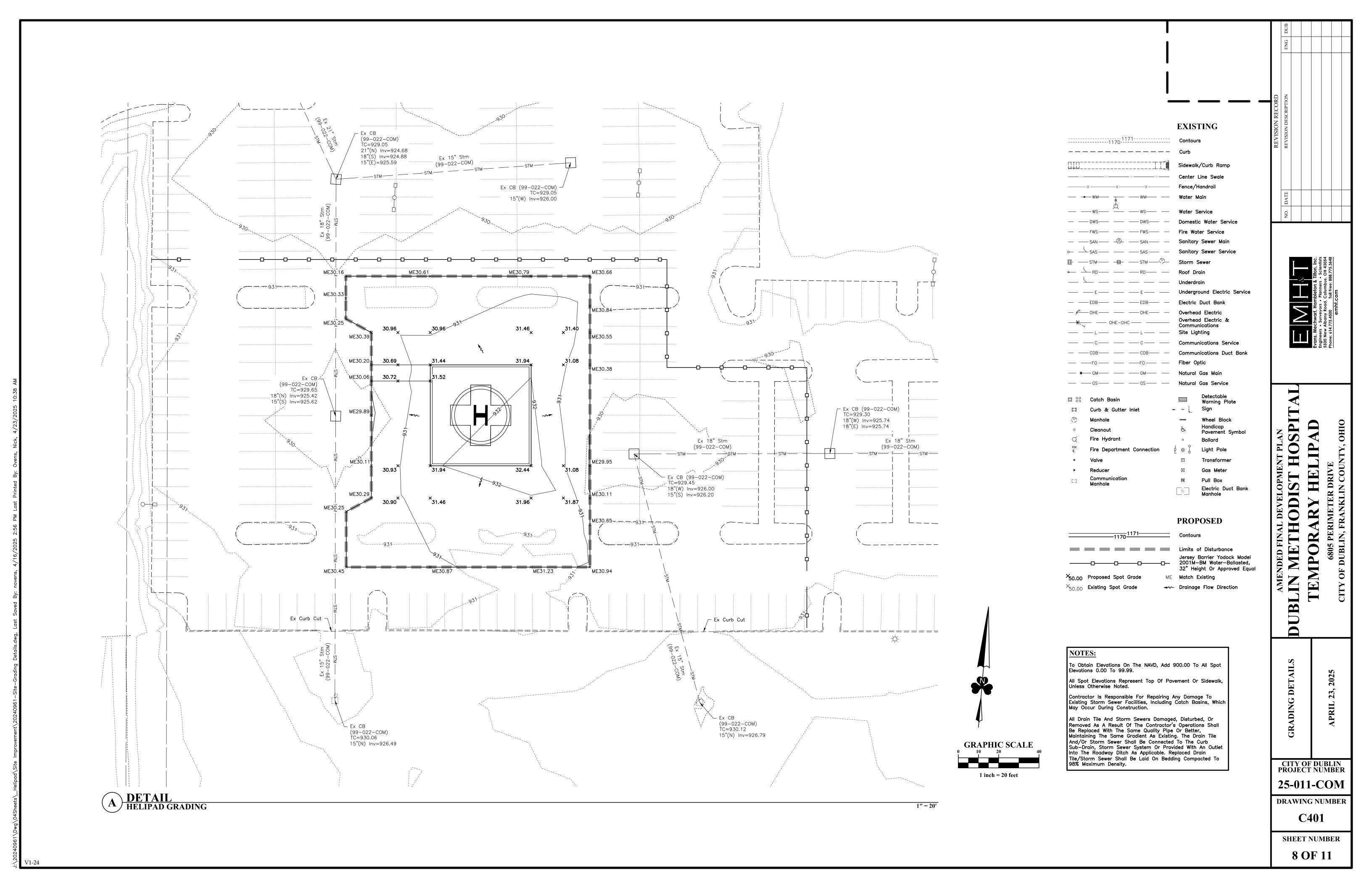
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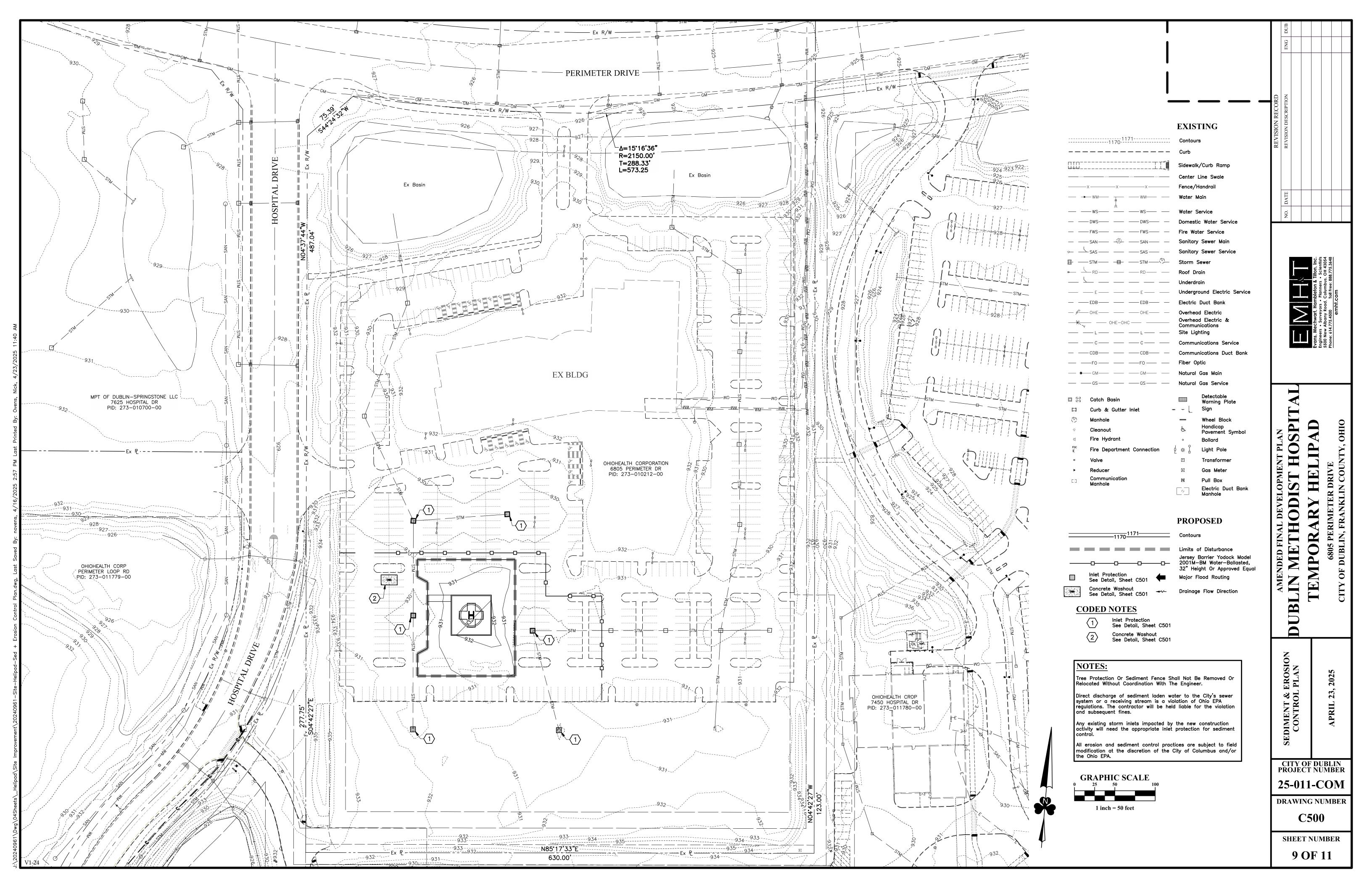












SITE NARRATIVE

PLAN ENGINEER: EMHT Inc.

Nick Ovens 5500 New Albany Road Columbus, Ohio 43054 Tel: (614) 775-4415 Email: novens@emht.com

Cleveland, Ohio 44114

Whiting—Turner Contracting Co. PROPERTY DEVELOPER/ SITE CONTACT: Mark Kilpeck 1001 Lakeside Ave, Suite 100

> Tel: (216) 701-5529 Email: mark.kilpeck@whiting-turner.com

OHIO EPA NOI#:

PROJECT DESCRIPTION: Construction of a temporary helipad in an existing parking lot.

DESCRIPTION: EXISTING SITE

EXISTING SITE

The site contains an existing building, associated parking and utilities, and two stormwater basins.

The site primarily drains to storm sewer facilities within an existing parking lot.

DRAINAGE CONDITION:

The site is bound by Perimeter Drive to the North, Developed Area to the East, and Undeveloped Area to the South, and Hospital Drive to the West.

ADJACENT AREAS:

SOILS:

Ko — Kokomo silty clay loam LeB - Lewisburg-Crosby Complex

The site is tributary to South Fork Indian Run.

WATERSHED: CONTROL MEASURES:

Prior to Construction Operations in a particular area, all sedimentation and erosion control features shall be in place. Field adjustments with respect to locations and dimensions may be made by the

It may become necessary to remove portions of the barrier during construction to facilitate the grading operations in certain areas. However, the barrier shall be in place in the evening or during

The limits of seeding and mulching have been established as 5'-0" outside the grading limits or 20'-0" beyond the right-of-way, whichever is greater. All areas not designated to be seeded shall remain under natural ground cover. Those areas disturbed outside the seeding limits shall be seeded and mulched at the Contractor's expense. "Temporary seeding" No area for which grading has been completed shall be left unseeded or unmulched for longer than 21 days. If permanent seed is not applied at this time, temporary seeding shall be done at the following rates:

March 1 to August 15

Seed: Oats 2 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 12 1/2 lbs./1,000 Sq.Ft. Mulch:(Straw or Hay) 2 tons/acre

August 15 to November 1

Seed: Annual Rye 2 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 12 1/2 lbs./1,000 Sq.Ft. Mulch:(Straw or Hay) 2 tons/acre

November 1 to March 1 Mulch (ONLY):(Straw or Hay)

"Permanent seeding" shall be done between March 15 and October 15. If seeding is done between October 15 and March 15, it shall be classified as "Temporary Seeding." Permanent seed shall be 40% Kentucky Bluegrass, 40% Creeping Red Fescue, 20% Annual Ryegrass. Permanent seeding shall consist of fertilizing, watering and seeding rates indicated under Item 659. Seeding shall be applied within two(2) days after final grading or following seed bed preparation.

2 tons/acre

Rates of application of Item 659:

Seed: 4 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 25 lbs./1,000 Sq.Ft. Mulch:(Straw or Hay) 2 tons/acre

operations shall be included in the price bid for erosion and sedimentation control quantities.

The cost for temporary channels, sediment dams, sediment basins, and other appurtenant earthmoving

MAINTENANCE:

It is the Contractor's responsibility to maintain the sediment control features used on this project. The site shall be inspected at a minimum of once per every 7 days and within 24 hours of 0.5" or greater rain event over a 24 hour period. Records of these inspections shall be kept and made available to jurisdictional agencies if requested. Any sediment or debris which has reduced the efficiency of a structure shall be removed immediately. Should a structure or feature become

damaged, the Contractor shall repair or replace at no additional cost to the Owner. Not all details shown on this sheet may be required for this project.

EROSION CONTROLS:

TEMPORARY SEDIMENT & Tributary area to each stormwater inlet does not exceed one acre. Inlet protection will serve as sediment control during construction.

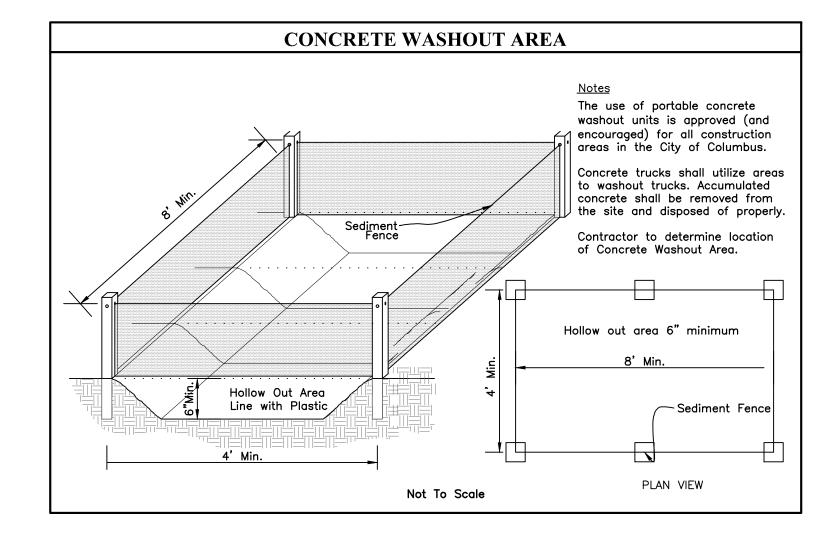
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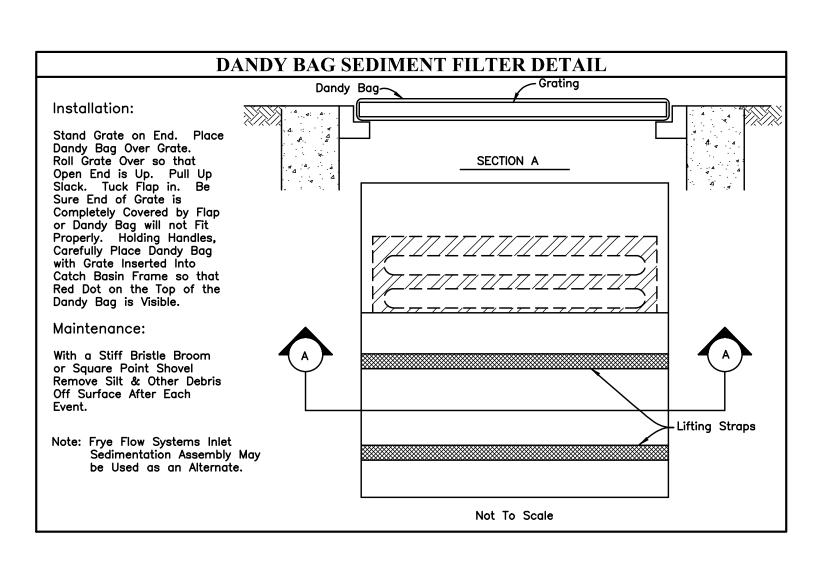
Install a concrete washout area and stabilized contractor staging area.

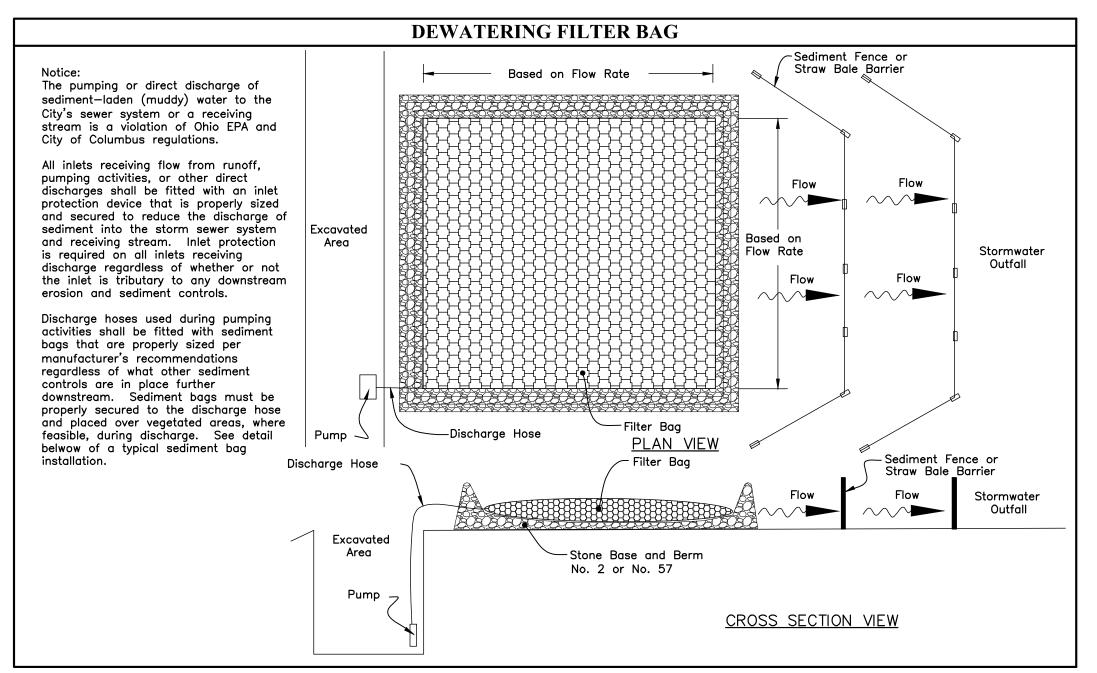
 Begin initial clearing and grading.
 Utilize a dewatering filter bag for any muddy water encountered during construction.
 Temporarily stabilize disturbed areas that are to remain idle for more than 14 days. 5. Construct the proposed temporary helipad.

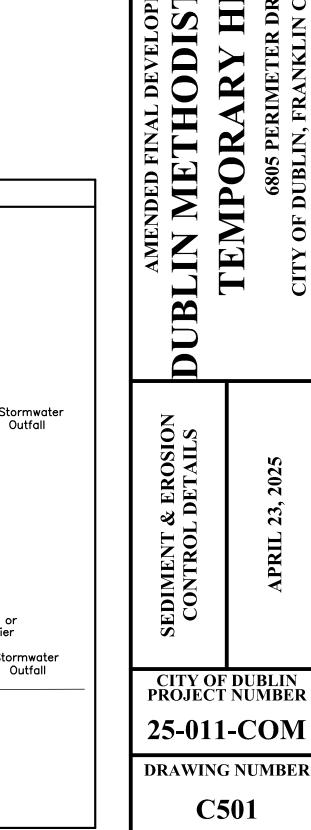
Once construction is complete, permanently stabilize the remaining disturbed areas.

Once vegetation is permanently established, remove the temporary sediment and erosion control









SPI

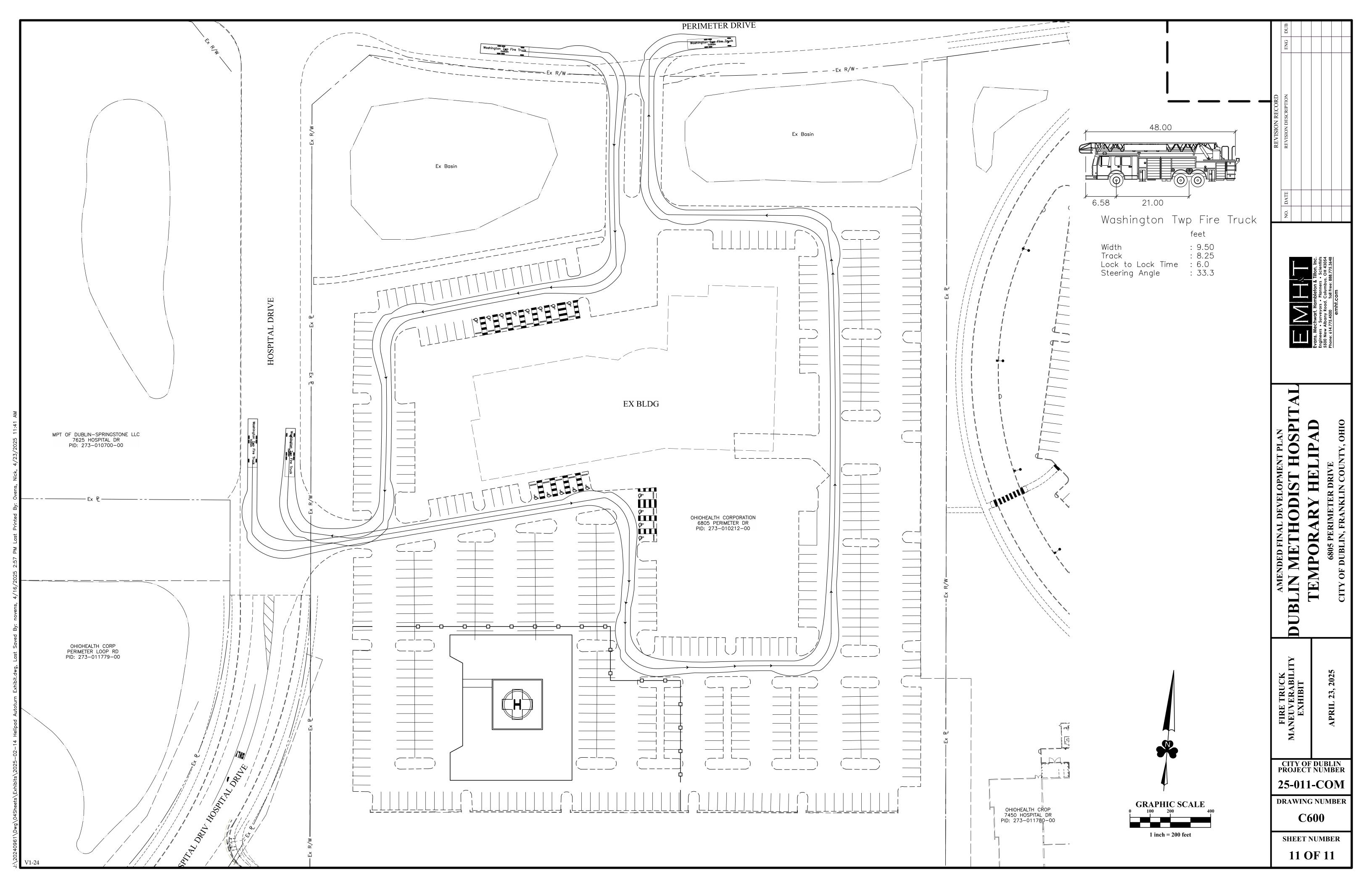
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HELIP

6805 PERIMET DUBLIN, FRAN

SHEET NUMBER

10 OF 11





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GENERAL NOTES

ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY TREE PROTECTION FENCE AS SHOWN

THE OWNER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, ERECTION AND MAINTENANCE OF TEMPORARY FENCING AROUND TREE PRESERVATION AREAS SO THAT ALL PROTECTED TREES SHALL BE PRESERVED. THE FENCING SHALL BE LOCATED A DISTANCE FROM THE TRUNK THAT EQUALS, AT A MINIMUM, THE DISTANCE OF THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. WHERE PHYSICAL SITE CONSTRAINTS DO NOT ALLOW FOR SUCH INSTALLATION, TREE PROTECTION LOCATIONS AND METHODS SHALL BE DETERMINED ON SITE, WITH THE CONSULTATION OF THE CITY OF DUBLIN LANDSCAPE INSPECTOR. CALL 614-410-4600 FOR TREE FENCING INSPECTION.

FENCING SHALL REMAIN IN PLACE AND BE SECURED IN AN UPRIGHT POSITION DURING THE ENTIRE CONSTRUCTION PERIOD TO PREVENT THE IMPINGEMENT OF CONSTRUCTION VEHICLES, MATERIALS, SPOILS, AND EQUIPMENT INTO OR UPON THE TREE PRESERVATION

TREE PRESERVATION SIGNS, AVAILABLE FROM THE DIVISION OF LAND USE AND LONG RANGE PLANNING, MUST BE LOCATED ALONG THE FENCING. ANY CHANGE IN PROTECTIVE FENCING MUST BE APPROVED BY THE DIRECTOR OF LAND USE AND LONG RANGE PLANNING.

THE APPROVED TREE PRESERVATION PLAN SHALL BE AVAILABLE ON THE BUILDING SITE BEFORE WORK COMMENCES AND AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT. THE OWNER SHALL BE RESPONSIBLE FOR NOTIFYING ALL CONTRACTORS AND UTILITIES.

DURING ALL PHASES OF CONSTRUCTION, ALL STEPS TO PREVENT THE DESTRUCTION OR DAMAGE TO PROTECTED TREES SHALL BE TAKEN. NO CONSTRUCTION ACTIVITY, MOVEMENT AND/OR PLACEMENT OF EQUIPMENT, VEHICLES, MATERIALS OR SPOILS STORAGE SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA. NO EXCESS SOIL, ADDITIONAL FILL, LIQUIDS, OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE CRITICAL ROOT ZONE OF ALL TREES THAT ARE TO BE PRESERVED.

NO ATTACHMENTS, INCLUDING BUT NOT LIMITED TO ROPES, NAILS, ADVERTISING POSTERS, SIGNS, FENCES, OR WIRES (OTHER THAN THOSE USED FOR BRACING, GUYING OR WRAPPING) SHALL BE ATTACHED TO ANY TREE.

8. NO GASEOUS LIQUIDS OR SOLID SUBSTANCES WHICH ARE HARMFUL TO TREES SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA.

9. NO FIRE OR HEAT SHALL BE PERMITTED WITHIN THE TREE PRESERVATION

10. ALL UTILITIES, INCLUDING SERVICE LINES, SHALL BE INSTALLED IN

11. PLAN HAS BEEN PREPARED BY OHIO LICENSED LANDSCAPE ARCHITECT BASED ON SITE SURVEY INFORMATION CONDUCTED BY EMH&T.

K	ΕY	TREE TYPE	DBH	CONDITION	C(
1	101	LACEBARK ELM	8"	GOOD	G FA
1	102	LACEBARK ELM	8''	GOOD	PC
1	103	LACEBARK ELM	7''	GOOD	DE
1	104	LACEBARK ELM	<i>7</i> ''	GOOD	
1	105	LACEBARK ELM	7''	GOOD	
1	106	LACEBARK ELM	8"	GOOD	
Ţ	OTAL	TREE CALIPER (DBH) REMOVED	45"		

153.065(D)(8)(a-b)

"PRESERVED MATURE, NON-DISEASED TREES WITH A SIX (6) INCH CALIPER AS MEASURED AT DIAMETER BREAST HEIGHT (DBH) DURING DEVELOPMENT OR REDEVELOPMENT MAY OBTAIN CREDITS TOWARD REQUIRED LANDSCAPING. THE TOTAL AMOUNT OF TREE CREDITS SHALL NOT EXCEED 50% OF THE REQUIRED TREE LANDSCAPING REQUIREMENT. CREDIT FOR PRESERVED

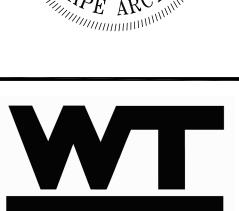
153.065(D)(9)

TREES THAT, AT THE (b)(2) DETERMINATION OF THE CITY

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WHITING-TURNER WHITING TURNER

262 Hanover St, D// 614.984.3000

1650 Watermark Dr, D// 614.487.1650

5500 New Albany Rd, D// 614.775.4500

CONSTRUCTION MANAGEMENT

Columbus, OH 43215

Columbus, OH 43215

| EMHT

EDGE

ANDSCAPE ARCHITECT

Columbus, OH 43215

330 W Spring St Ste 350,D// 614.486.3343

ENGINEERING

New Albany, OH 43054

ACCORDANCE WITH THE TREE PRESERVATION PLAN.

TREE INVENTORY SCHEDULE

KEY	TREE TYPE	DBH	CONDITION	CATE
101	LACEBARK ELM	8"	GOOD	GOO FAIR
102	LACEBARK ELM	8"	GOOD	POOF
103	LACEBARK ELM	7''	GOOD	DEAD
104	LACEBARK ELM	7''	GOOD	
105	LACEBARK ELM	7''	GOOD	
106	LACEBARK ELM	8"	GOOD	
TOTAL	TREE CALIPER (DBH) REMOVED	45"		

CONSTRUCTION NOTES

1) TREE TO BE REMOVED WITH DBH LESS THAN 6".

(2) TREE TO BE REMOVED WITH DBH GREATER THAN THAN 6".

(3) EXISTING TREES TO REMAIN

ZONING CODE

TREES IS SHOWN IN TABLE 153.065-E."

"THE PROPERTY OWNER SHALL (a)(2)(E) REPLACE INCH FOR INCH ANY PROTECTED TREES THAT ARE REMOVED OR LOST DUE TO DAMAGE, REGARDLESS OF THEIR LOCATION ON THE LOT, EXCEPT AS PROVIDED IN § 153.065(D)(9)(B)." "REMOVAL OF FORESTER, ARE UNDESIRABLE WITH RESPECT TO STRUCTURE, SPECIES, AND/OR CONDITION."

EXISTING TREES TO REMAIN



NORTH

EXISTING TREES TO BE REMOVED

CLIENT OhioHealth Dublin

DUBLIN METHODIST HOSPITAL HELIPAD TEMPORARY RELOCATION

7500 Hospital Drive Dublin, OH 43016

Tree Survey & Tree Preservation Plan

commission no. 24072 scale: 1" = 30' date:03-07-2025

PROGRESS SET NOT FOR CONSTRUCTION

- RIPPED SUBGRADE SOIL

UNDISTURBED SUBGRADE

SOIL PROFILE AT TREE PLANTING

i +---

| | ---

1 +---

NON-ABRASIVE RUBBER TIES.

- HARDWOOD BARK MULCH

- BACKFILL PLANTING SOIL MIX

UNDISTURBED SOIL OR COMPACTED BACKFILL

---- FINISH GRADE

EXISTING SOIL

TREE PLANTING DETAIL

_ _ _ -

UNDISTURBED SUBGRADE

SOIL PROFILE AT LAWN

4 SCALE: 1" = 1'-0"

--++---

PLANTING GENERAL NOTES

- 1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
- 2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR DAMAGES TO
- 3. ALL PLANT MASSES TO BE CONTAINED WITHIN 3" DEEP HARDWOOD BARK MULCH BED.
- 4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LAWN
- 5. FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF IRREGULARITIES OR DEPRESSIONS.
- 6. CONTRACTOR SHALL SEED ALL AREAS DISTURBED DURING CONSTRUCTION, SEE SPECIFICATIONS.

ASSOCIATION OF NURSERYMEN STANDARDS.

- 7. ALL PLANTS SHALL MEET OR EXCEED STANDARDS SET IN THE U.S.A.
- STANDARD FOR NURSERY STOCK. 8. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN
- 9. PLANTING IS TO OCCUR AFTER THE REMOVAL OF THE TEMPORARY

PLANTING NOTES

- NEW LAWN AREA, FILL VOIDS WITH TOPSOIL AS REQUIRED AND MEET ADJACENT SURFACES FLUSH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES. SEE DETAIL #4, THIS SHEET.
- LANDSCAPE AREA, PROVIDE MINIMUM DEPTH OF 18" SOIL MIX FOR SHRUBS AND 24" DEPTH SOIL MIX WHEN TREES ARE PLANTED IN BED. SEE SPECIFICATIONS FOR SOIL MIX. HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES. SEE DETAIL #3, THIS SHEET.
- (3) EXISTING TREES TO REMAIN

PLANT MATERIALS LIST NOTE: CONTRACTOR RESPONSIBLE FOR PLANT QUANTITIES SHOWN ON PLAN.

YTÇ	ABR	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
		TREES				
10	CO	PRAIRIE PRIDE HACKBERRY	Celtis occidentalis 'Prairie Pride'	3" Cal.	B&B	
6	UP	PRINCETON ELM	Ulmus americana 'Princeton'	3" Cal.	B&B	

NORTH

DUBLIN CITY CODE COMPLIANCE CHART

CODE SECTION	REQUIRED	PROVIDED	KEY
153.146-A Replacement trees	The total number of caliper inches of replacement trees for a site shall equal or exceed the combined diameter of the protected tree(s) removed. A protected tree is any tree having a diameter of six inches DBH or larger or having an aggregate diameter of 15 inches DBH Trees removed and required to be replaced = 45 inches	16 trees @ 3.0" = 48 inches provided	(·)

THE SATISFACTION OF THE OWNER.

515 E. MAIN STREET D//614 255.0515 COLUMBUS, OH 43215

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ARCHITECT

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WHITING-TURNER

WHITING TURNER CONSTRUCTION MANAGEMENT

262 Hanover St, D// 614.984.3000

Columbus, OH 43215

Columbus, OH 43215

KORDA

1650 Watermark Dr, D// 614.487.1650

ENGINEERING 5500 New Albany Rd, D// 614.775.4500 New Albany, OH 43054

LANDSCAPE ARCHITECT 330 W Spring St Ste 350,D// 614.486.3343 Columbus, OH 43215

CLIENT

OhioHealth Dublin

DUBLIN METHODIST HOSPITAL HELIPAD TEMPORARY RELOCATION

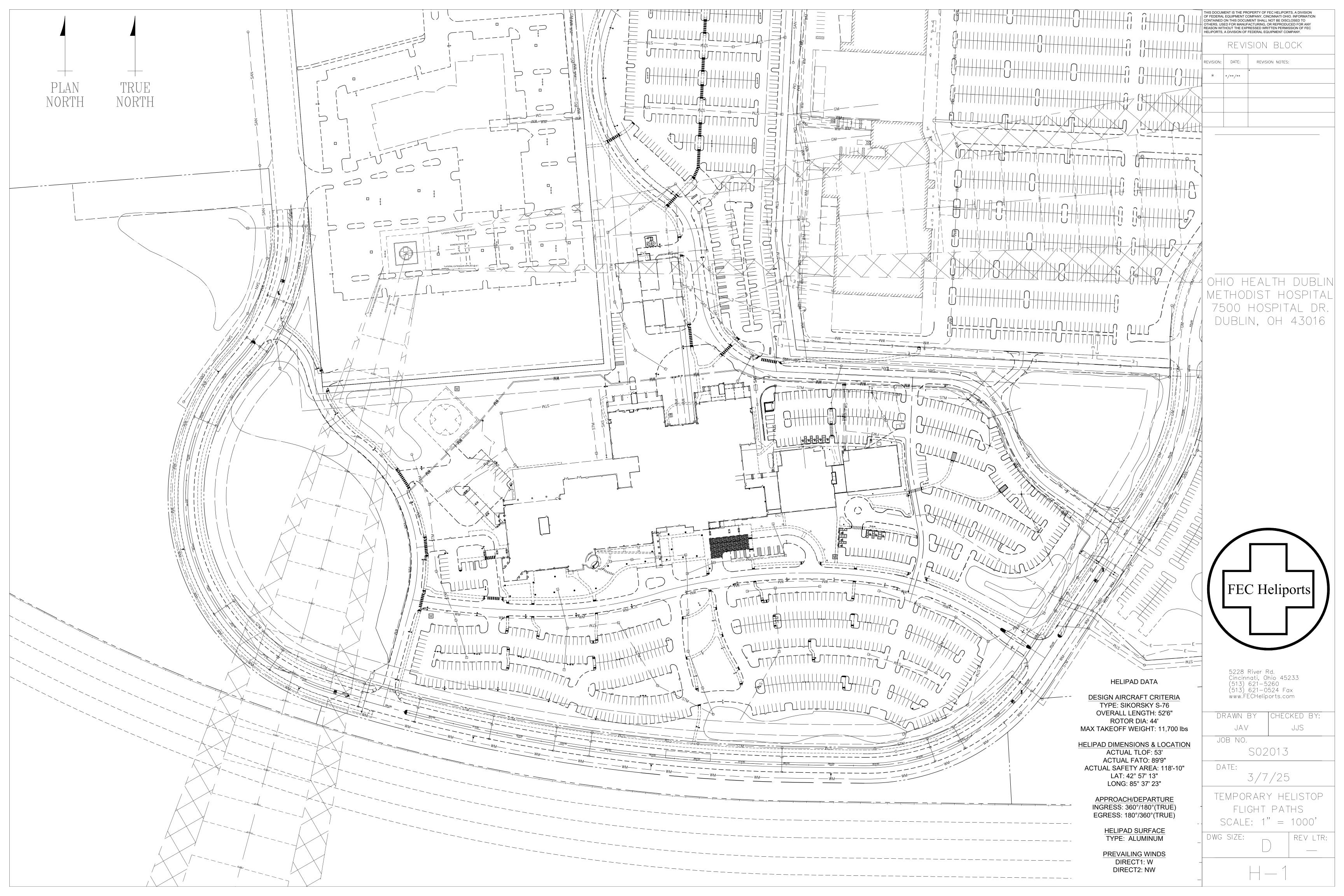
7500 Hospital Drive Dublin, OH 43016

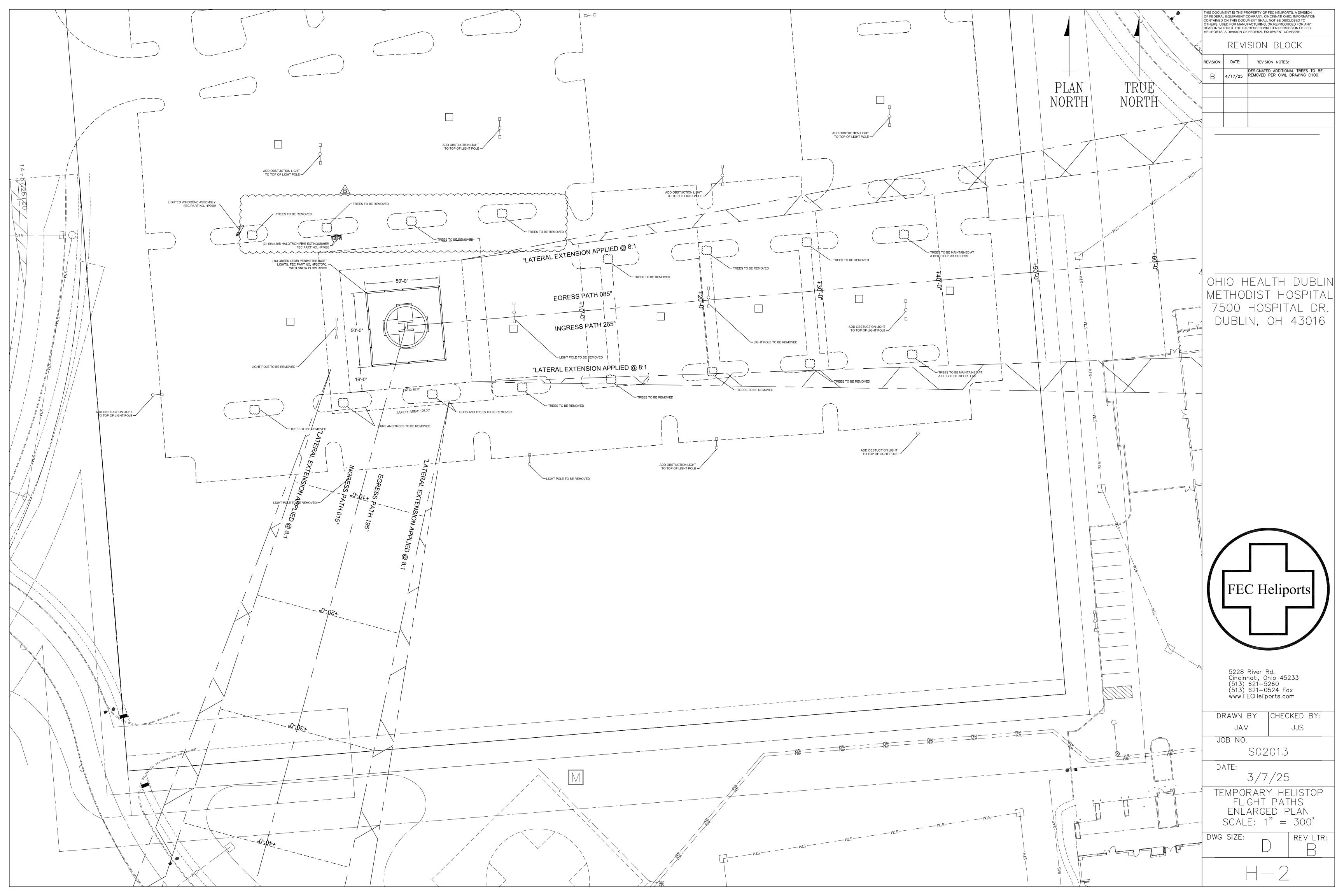
Planting Plan

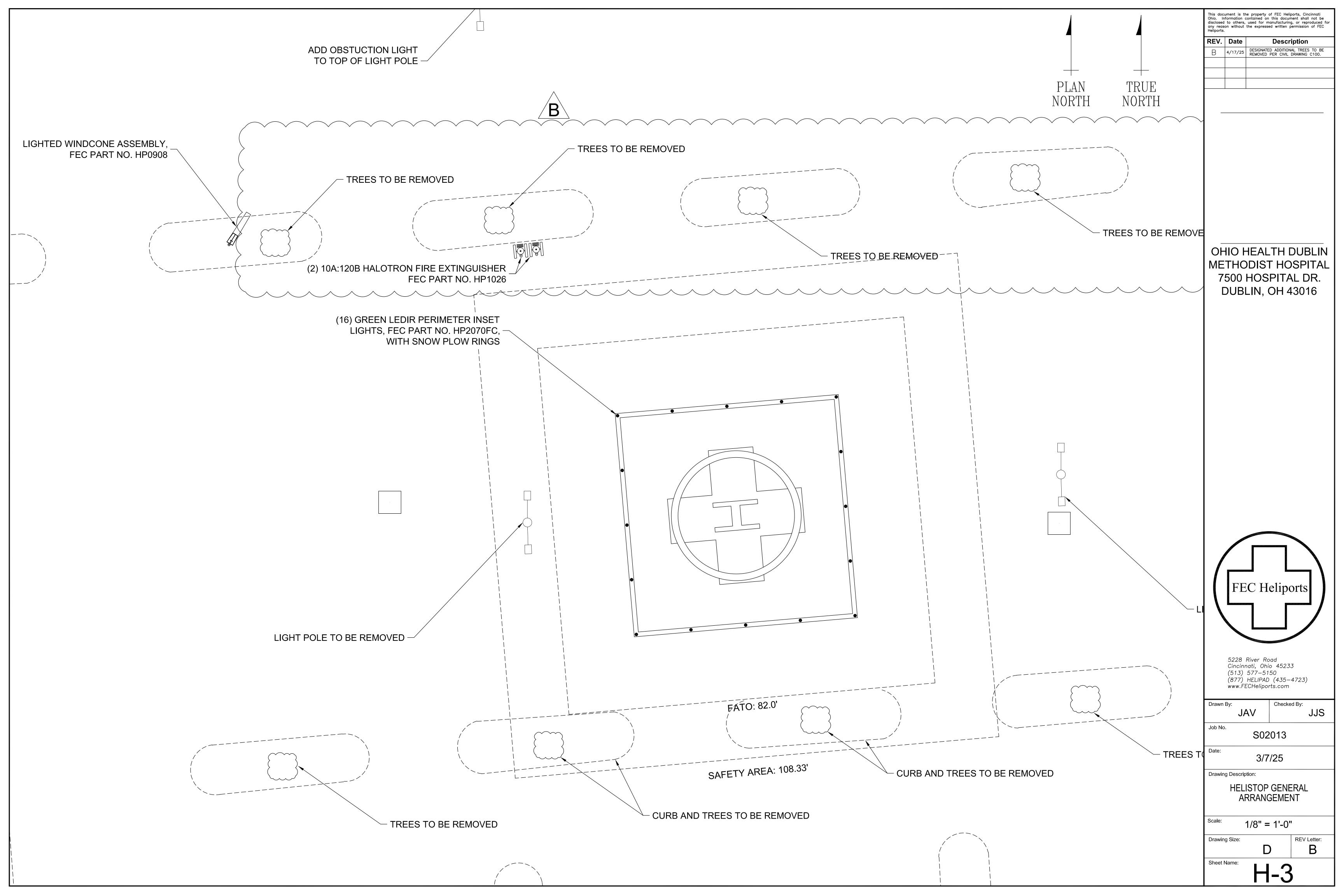
commission no. 24072 scale: 1" = 30' date:03-07-2025 revised:

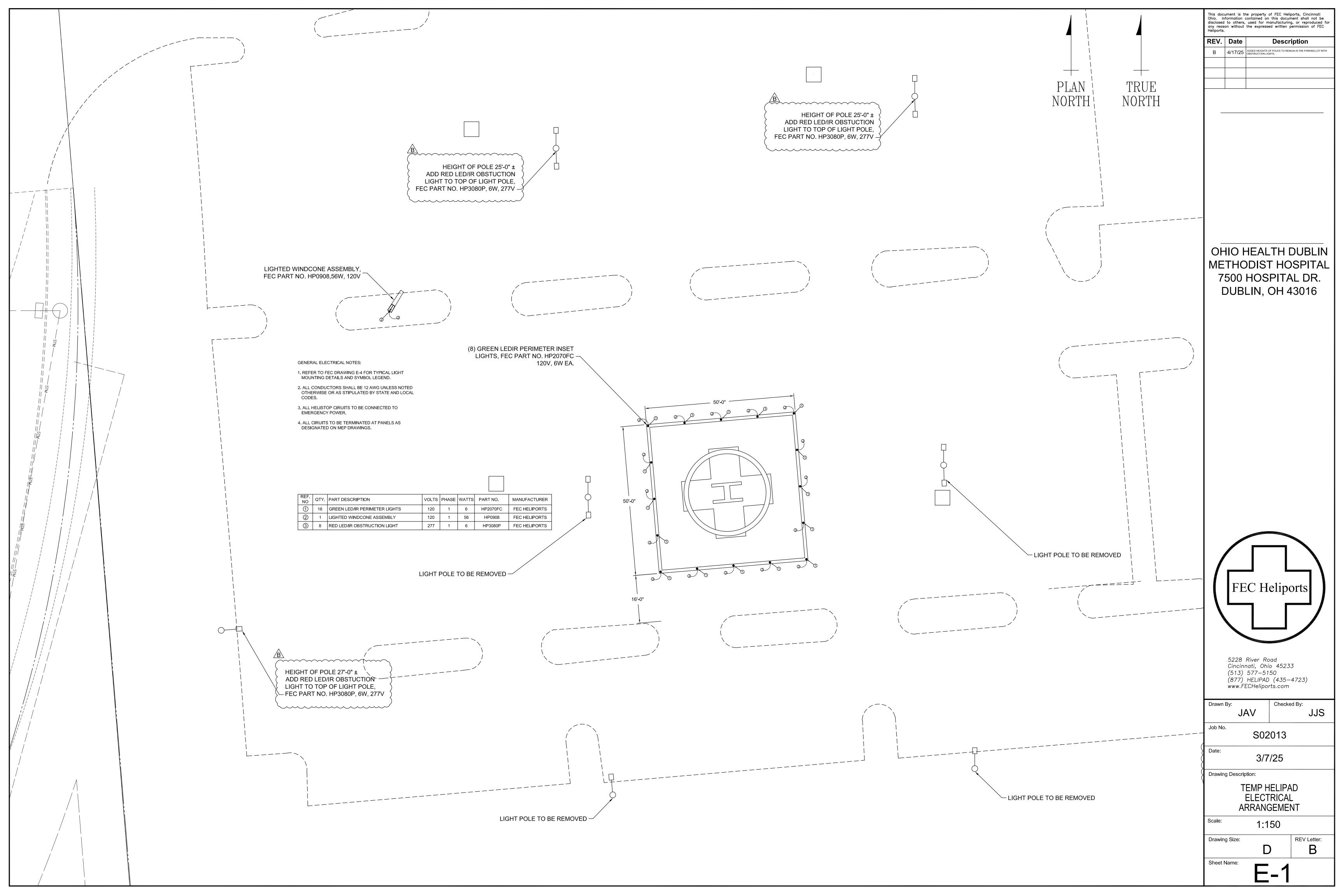
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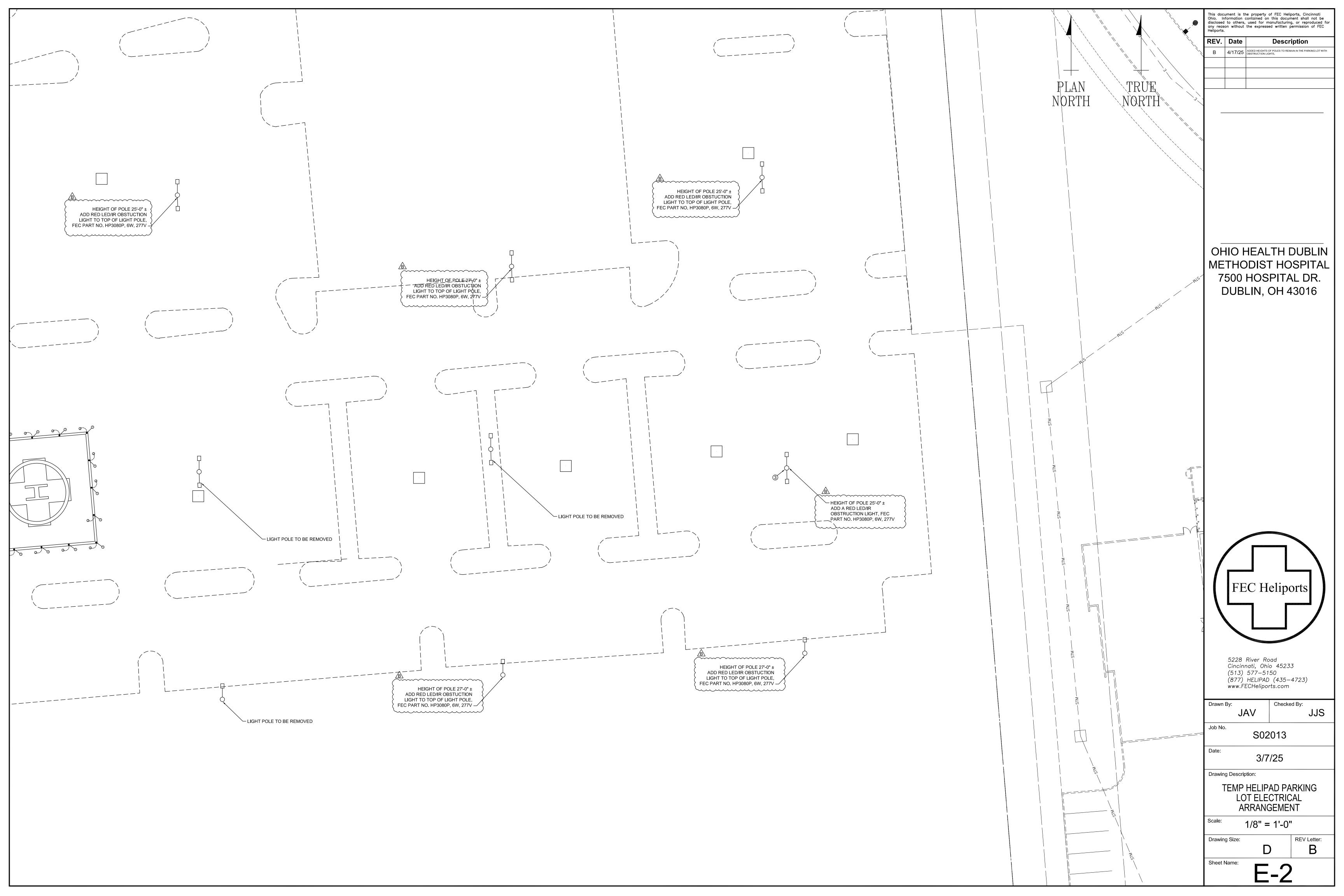
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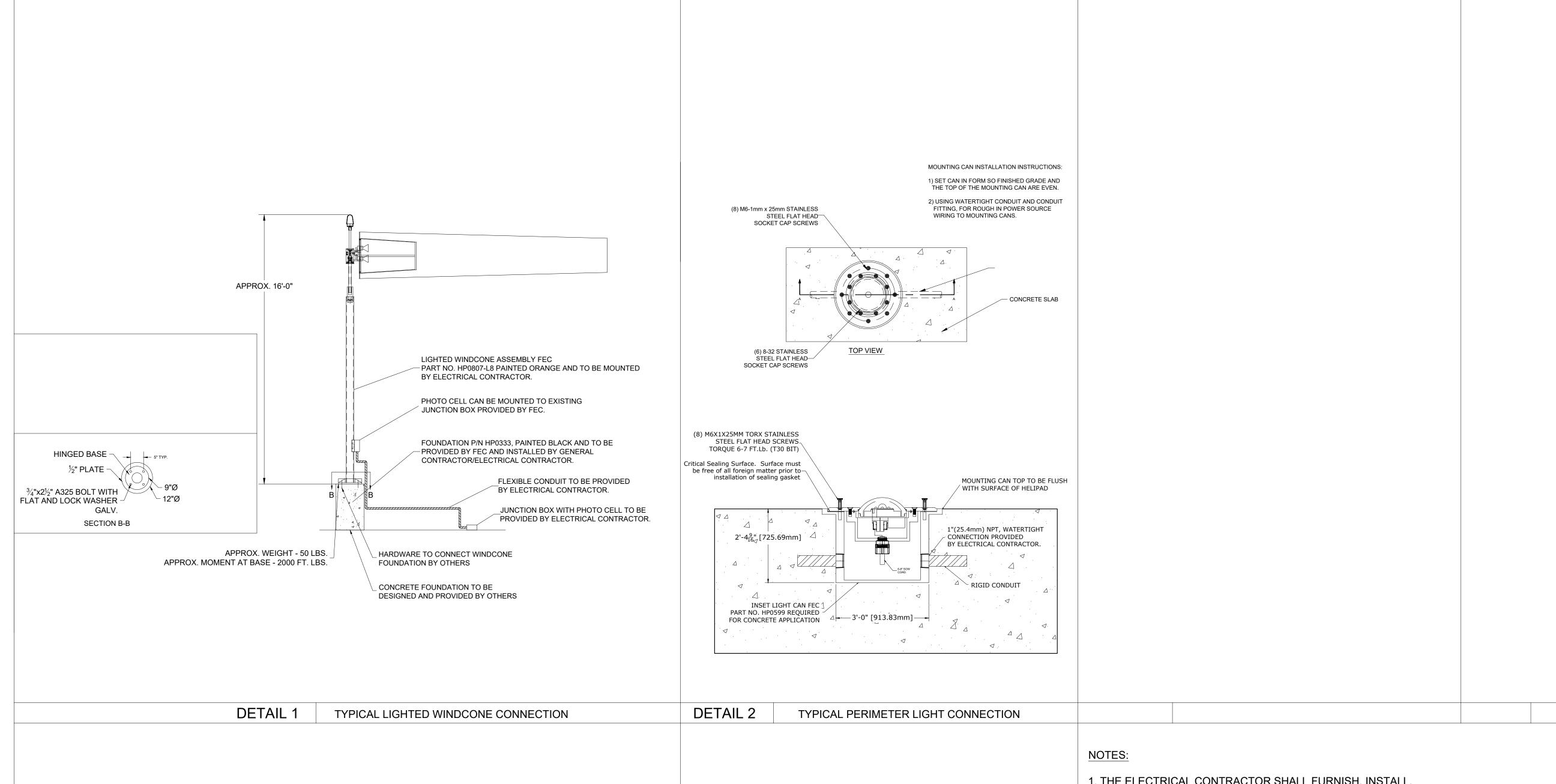












1. THE ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL, AND SIZE ALL SLEEVES, HOLES, CORES, PATCHING, SLOTS, ANCHORS, BRACKETS, SUPPORTS, JUNCTION BOXES, PULL BOXES, AND OTHER APPURTENANCES NECESSARY TO EXECUTE THE CONTRACT DOCUMENTS COMPLETE. SOME OF THESE ITEMS MAY BE SHOWN ON THE DRAWING FOR CLARITY OR DESIGN PREFERENCE. HOWEVER, NOT ALL OF THE ITEMS, NECESSARY FOR COMPLETE EXECUTION AND INSTALLATION, ARE SHOWN.

			ELEC	CTRICAL SYMBOLS					ELECTF	RICAL SYMBOLS		
REFERE	ENCE NO.	LIGHTING PLAN	ONE LINE	DESCRIPTION	WATTAGE	VOLTAGE	REFERENCE NO.	LIGHTING PLAN	ONE LINE	DESCRIPTION	WATTAGE	VOLTAGE
	1		PL	PERIMETER LIGHT	6 W	120 V, 1Ø	12	-FWSH-	FWSH	FUEL/WATER SEPARATOR HEATER	N/A	N/A
	2	(<u>(</u>)	OL	OBSTRUCTION LIGHT	N/A	N/A	13		R	RED LIGHT	N/A	N/A
;	3		TCB	THREE COLOR BEACON	N/A	N/A	14		G	GREEN LIGHT	N/A	N/A
•	4	⊙ =1	LW	LIGHTED WINDCONE	56 W	120 V, 1Ø	15		MX	MOTOR NUMBER X	N/A	N/A
	5	\hat{\phi}	WF	WALKWAY FLOOD LIGHT	N/A	N/A	16		OLX OR MX	NORMALLY CLOSED CONTACT	N/A	N/A
	6	J	JB	JUNCTION BOX	N/A	N/A	17		OLX OR MX	NORMALLY OPEN CONTACT	N/A	N/A
	7		HOLS	HIGH OIL LEVEL SENSOR	N/A	N/A	18		(CV)	CONTROL VALVE	N/A	N/A
	8	XX 	СВ	BREAKER, XX INDICATES TRIP RATING	N/A	N/A	10		- xx -	TERMINAL BLOCK IN CONTROL BOX	N/A	N/A
(9	-	PE	PHOTOCELL	N/A	N/A	19			FOR SNOWMELT SYSTEM	IN/A	IN/A
1	0	- RR -	RR	RADIO RECEIVER	N/A	N/A	20		(LRX)	LIGHTING RELAY X	N/A	N/A
	11	- PS -	PS	PULL STATION	N/A	N/A						

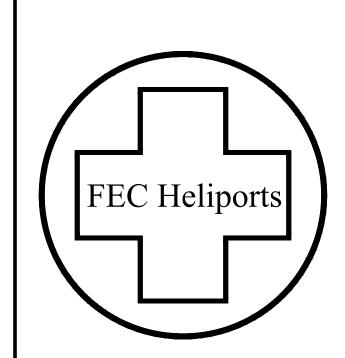
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REV. Date Description

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OHIO HEALTH DUBLIN METHODIST HOSPITAL 7500 HOSPITAL DR. DUBLIN, OH 43016



5228 River Road Cincinnati, Ohio 45233 (513) 577—5150 (877) HELIPAD (435—4723) www.FECHeliports.com

Drawn By:	JAV	Checked By:	JJS
Job No.	S02	013	
Date:	3/7	/25	

Drawing Description:

TEMP HELIPAD ELECTRICAL DETAILS

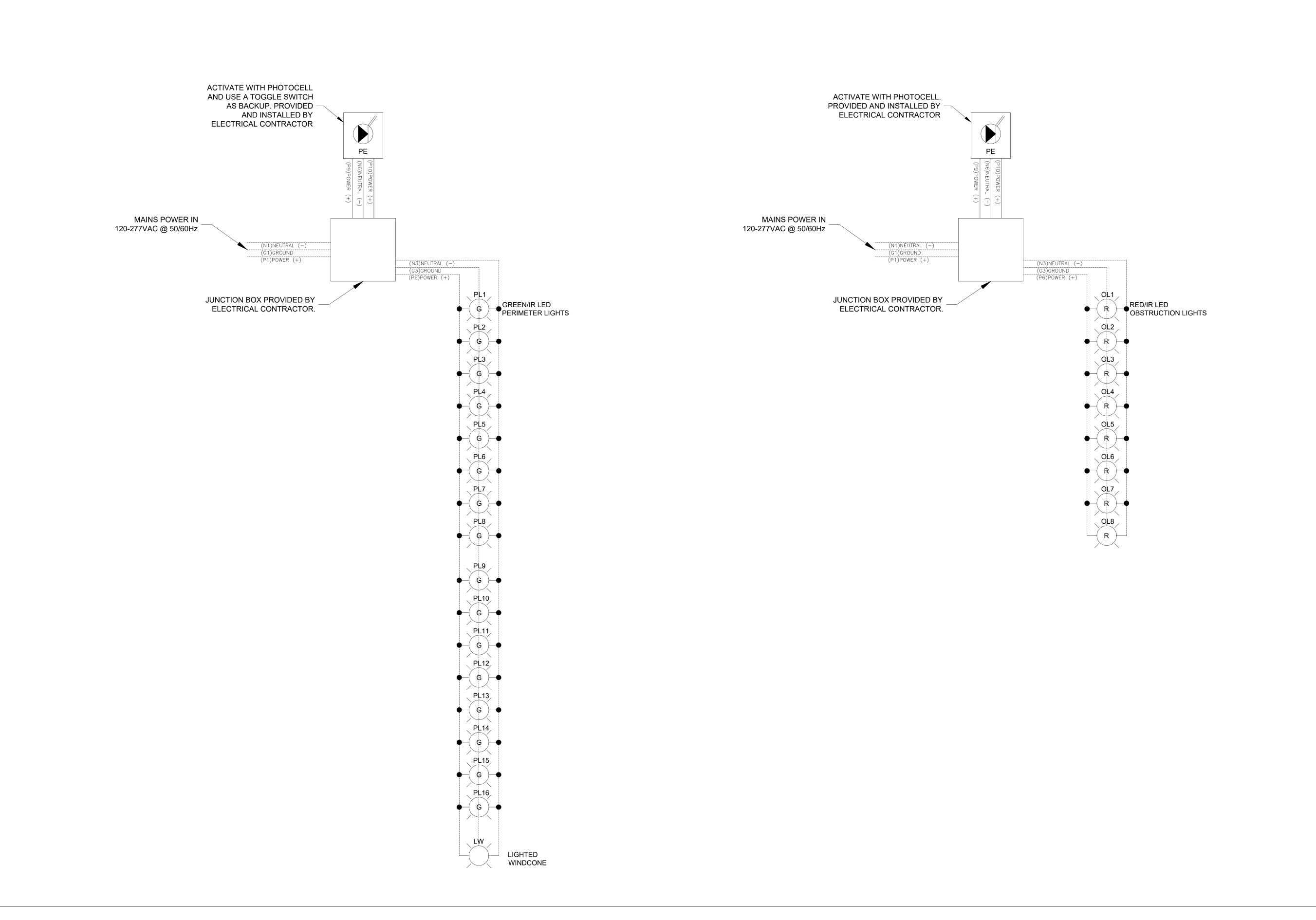
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Scale: NTS

Drawing Size:

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SINGLE LINE DIAGRAM OF LIGHTING CIRCUITS



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Drawn By:

Checked By:

JAV

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NO. S

S02013

Date.

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Drawing Description:

TEMP HELIPAD ELECTRICAL SINGLE LINE DIAGRAMS

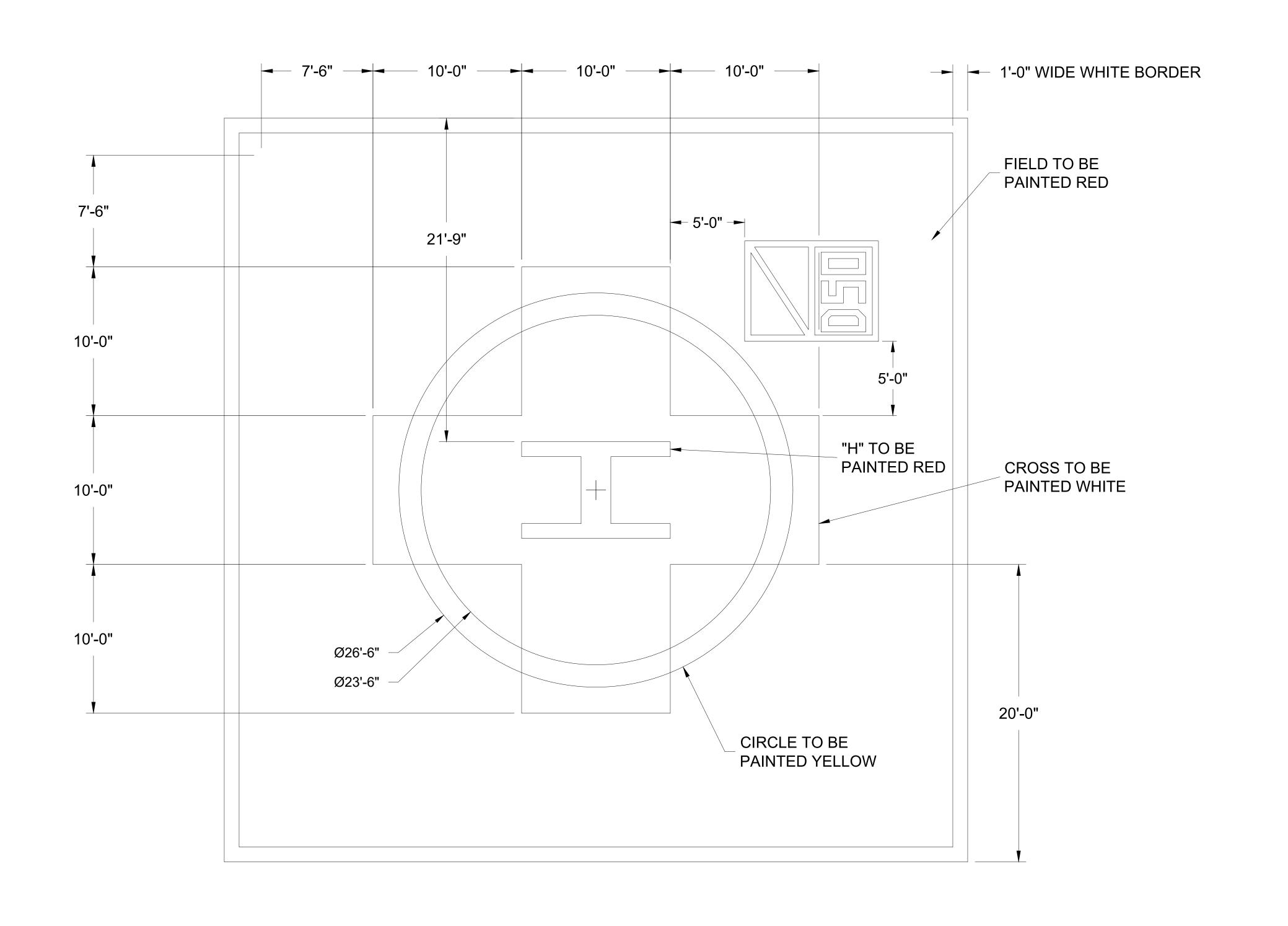
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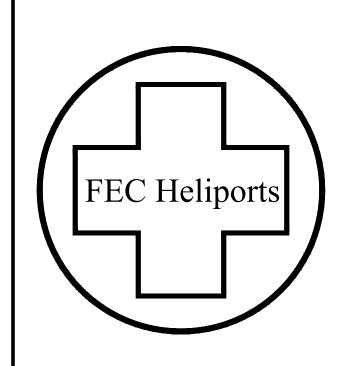


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ob No. \$02013

Date:

3/7/25

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TEMP HELSTOP PAINT ARRANGMENT

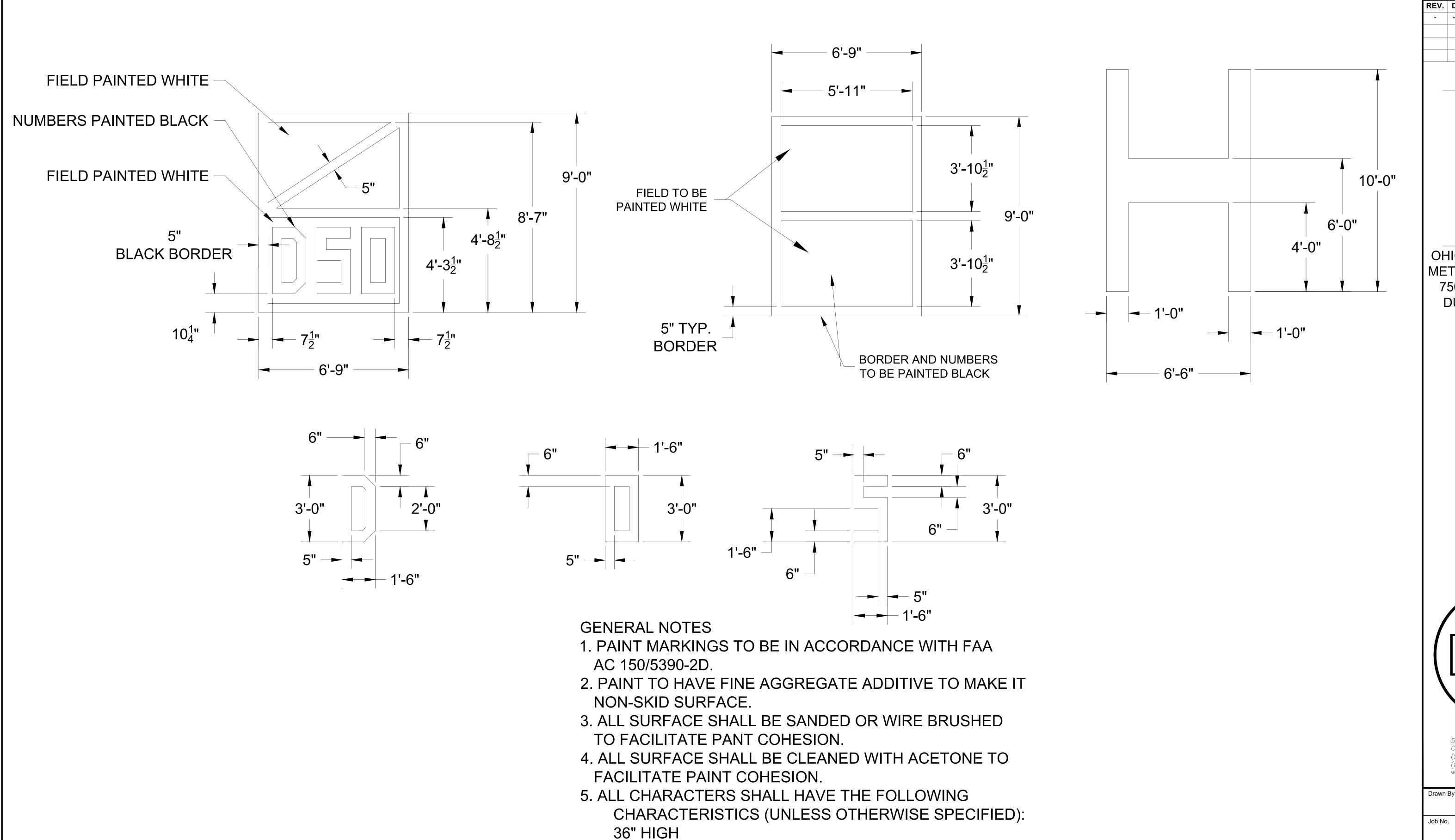
Scale: 1/4" = 1'-0"

Drawing Size:

REV Letter:

JJS

PA-1



18" WIDE

VERTICAL STROKE OF 5"

HORIZONTAL STROKE OF 6"

Description OHIO HEALTH DUBLIN METHODIST HOSPITAL 7500 HOSPITAL DR. **DUBLIN, OH 43016** FEC Heliports 5228 River Road Cincinnati, Ohio 45233 (513) 577-5150 (877) HELIPAD (435-4723) www.FECHeliports.com Drawn By: Checked By: JJS JAV S02013 3/7/25 Drawing Description:

TEMP HELSTOP PAINT DETAILS

Scale: 1/2" = 1'-0"

Drawing Size:

Name: PA_7

EXISTING OFFICE BUILDING **EXISTING HOSPITAL**

CODED NOTES

TURN OFF EXISTING HELIPAD LIGHTS AND WIND SOCK. LOCK OUT TAG OUT SOURCES. MAINTAIN CIRCUITING FOR RE-USE ONCE THE TEMPORARY HELIPAD IS REMOVED.

TEMPORARILY REMOVE EXISTING POLE LIGHT. PROVIDE WEATHERPROOF JUNCTION BOX ON TOP OF EXISTING POLE BASE TO MAINTAIN EXISTING CIRCUITING. RE-INSTALL POLES AND LIGHTS WHEN TEMPORARY HELIPAD IS NO LONGER IN SERVICE.

EXISTING CORNER-MOUNTED IP SECURITY CAMERA TO BE REMOVED. MAINTAIN NETWORK CONNECTION FOR REPLACEMENT CAMERA IN SAME LOCATION.

REMOVE EXISTING POLE LIGHT AND POLE BASE. PROVIDE UNDERGROUND JUNCTION BOX TO MAINTAIN EXISTING CIRCUITING. RE-POUR POLE BASE AND RE-INSTALL POLE AND LIGHT WHEN TEMPORARY HELIPAD IN NO LONGER IN SERVICE. REFER TO POLEBASE DETAIL.

GROUNDING CONDUCTOR CONNECTION TO POLE

1" CONDUIT WITH BRANCH CIRCUIT

X Y Z 36" 72" 24"

N.T.S.

AS SHOWN ON DRAWINGS

CYLINDRICAL CONCRETE BASE WITH SIX #6 VERTICAL REINFORCING BARS

AND #3 HORIZONTAL TIES AT 12" O.C.
WIRE TIED TOGETHER AT 3" IN FROM
OUTSIDE CONCRETE SURFACE

POLE WITH ANCHOR BOLT COVERS

- NON-SHRINK GROUT

FIXTURE TYPE

POLE LIGHT

ANCHOR BOLTS, BOLT SIZE, PROJECTION AND BOLT CIRCLE IN ACCORDANCE WITH

MANUFACTURERS RECOMMENDATIONS

SMOOTH FINISH ON EXPOSED SURFACE

#2 AWG COPPER GROUNDING CONDUCTOR -

EXOTHERMIC WELD CONNECTION -

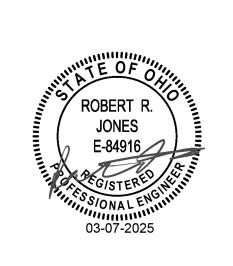
2 DETAIL
POLE MOUNTE

5/8" X 8' DRIVEN — AUXILIARY GROUND ROD

POLE MOUNTED LUMINAIRE BASE

FINISHED GRADE

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WHITING TURNER CONSTRUCTION MANAGEMENT 262 Hanover St, Columbus, OH 43215



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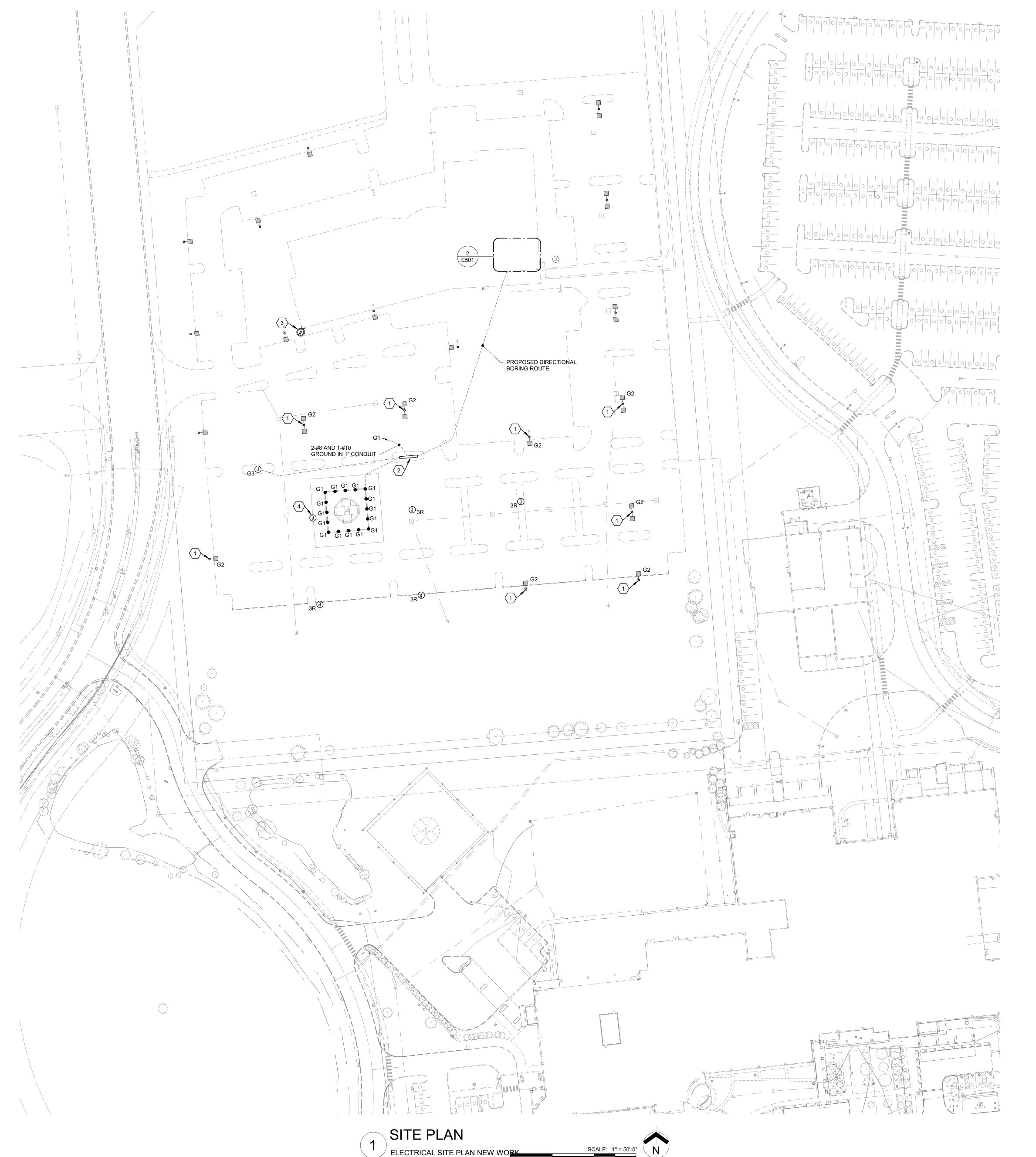
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ELECTRICAL SITE PLAN DEMOLITION

commission no. 24072 scale: As indicated date:03-07-2025 revised:

PROGRESS SET NOT FOR CONSTRUCTION

KORDA KORDA NEMETH ENGINEERING WWW.KORDA.COM Jack Messmore DRAWN BY: DESIGNED BY: Jack Messmore CHECKED BY: Tom Howard PROJECT NUMBER: 2024-0226

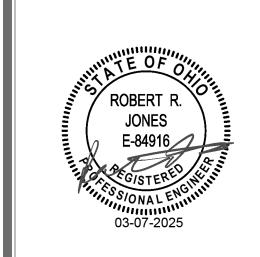


CODED NOTES

- PROVIDE OBSTRUCTION LIGHT ON TOP OF EXISTING POLE LIGHT. CONNECT TO EXISTING 277 VOLT LIGHTING CIRCUIT.
- 2. PROPOSED LOCATION OF UNISTRUT STAND FOR WEATHERPROOF SWITCH, DRY TYPE TRANSFORMER, FUSIBLE SAFETY SWITCH PHOTOCELL AND MANUAL OVERRIDE SWITCH FOR CONNECTION TO G1 AND G3 LIGHTS. SEE PARTIAL ONE LINE DIAGRAM.
- 3. NEW CORNER-MOUNTED IP SECURITY CAMERA. CAMERA AND MOUNT BY KNS (OWNER'S DIRECT SECURITY VENDOR).
- 4. REMOVE GRADE BOX WHEN TEMPORARY HELIPAD IS OUT OF SERVICE, AND PROVIDE NEW POLE BASE AND RE-INSTALL EXISTING POLE LIGHT TO OPERATE AS BEFORE.

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OhioHealth Dublin

DUBLIN METHODIST HOSPITAL HELIPAD TEMPORARY RELOCATION

7500 Hospital Drive Dublin, OH 43016

ELECTRICAL SITE PLAN NEW WORK

commission no. 24072 scale: 1" = 50'-0" date:03-07-2025 revised:

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DRAWN BY: Jack Messmore

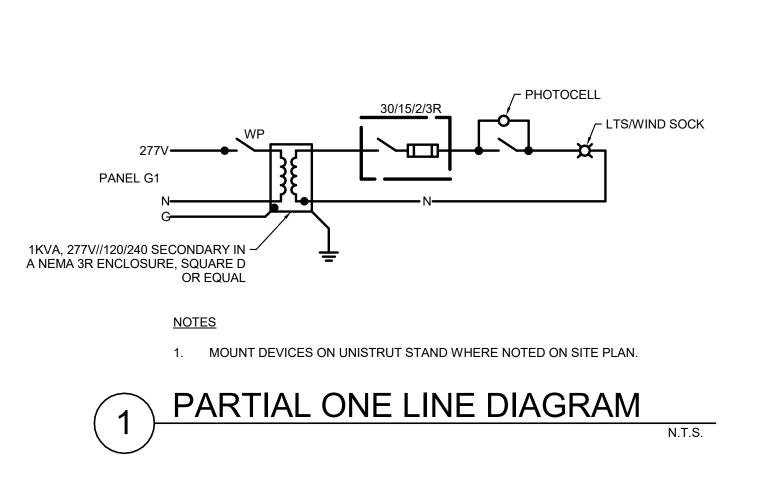
DESIGNED BY: Jack Messmore
CHECKED BY: Tom Howard
PROJECT NUMBER: 2024-0226

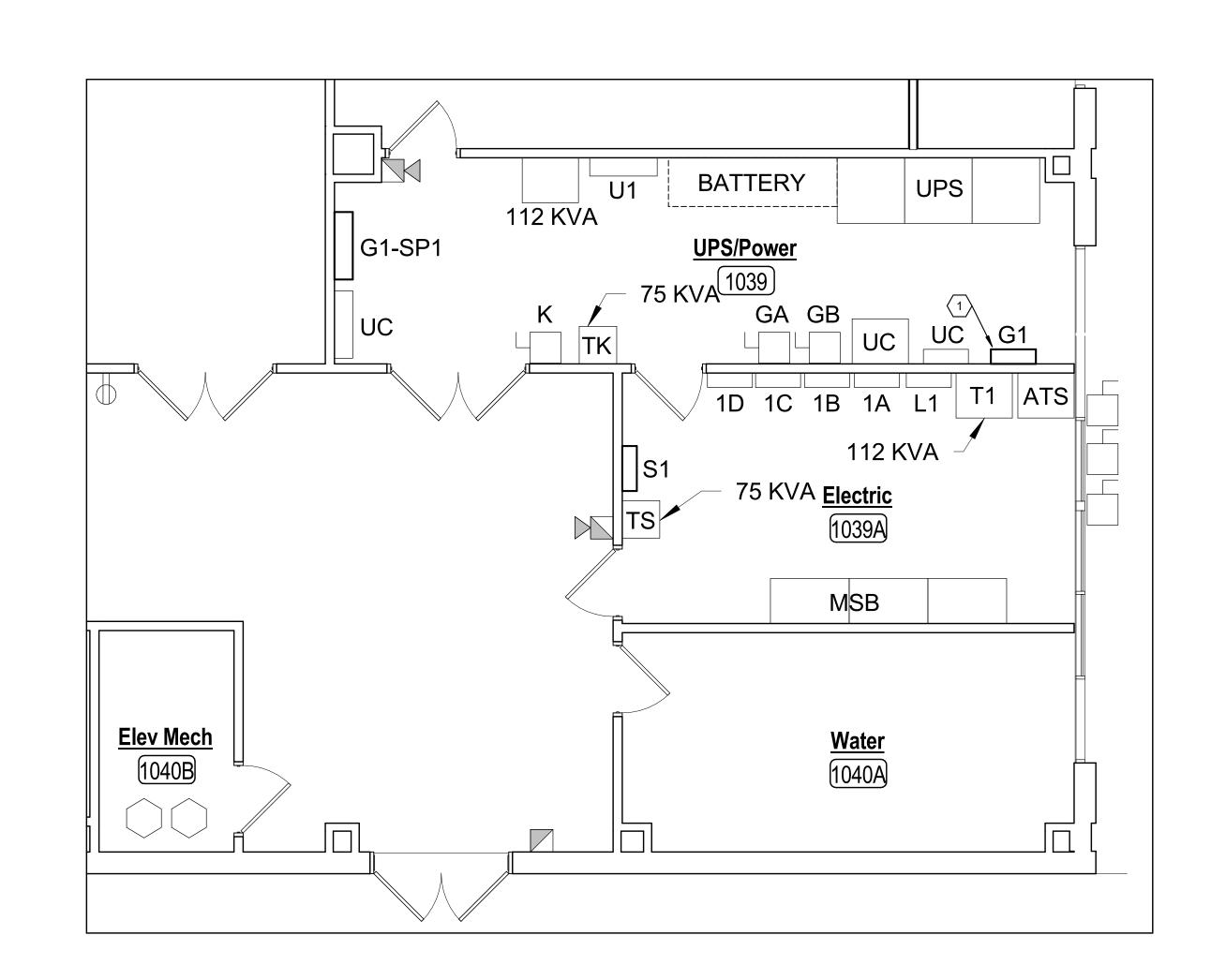
PROGRESS SET NOT FOR CONSTRUCTION

									LUMI	NAIRE	SCHEDULE							
					B: BOLLARD C	: CEILING C	V: COVE	G: GROUND	P: POLE	R: RECESSI	ED S: SUSPENDED	T: TRACK U	C: UNDERCABINET	W: WALL X: UNIVERSAL				
	PARTIAL MC	ODEL NUMBERS MAY	BE SHOWN AND ARE INTENDED TO	INDICATE ACCEPTABLE MANUFACTURER'S I	PRODUCT LINE. EXACT MODEL NUMBERS MEE	TING THE FIXTURE	DESCRIPTION	SHALL BE OBTA	INED FROM THE	MANUFACTURER'S	S AGENTS. ALL FIXTURES MAY	NOT BE USED - REFER	TO PLANS. DIMENSION	MAY VARY. REFER TO THE SPECIFICAT	TIONS SECTIONS 26 51 13 FOR ADD	DITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR	FIXTURES CIRCUITED AND CONTROL.	
TAG	MANUFACTURER	SERIES	MODEL	DIMENSIONS (L x W x D)	DESCRIPTION	SOURCE	VOLTAGE	WATTAGE	COLOR TEMP	LUMENS	EFFICACY DIMMING (LM/W)	HOUSING	MOUNTING	LENS	FINISH/TRIM	OPTIONS	EQUALS	S
	MANUFACTURER FEC HELIPORTS	SERIES HP2000	MODEL HP2070FC	DIMENSIONS (L x W x D) 4-1/4" H x 6-1/2" D	DESCRIPTION GREEN HELIPAD LIGHTS	SOURCE	VOLTAGE 120	WATTAGE 6 W	COLOR TEMP	LUMENS N/A	EFFICACY DIMMING FIXED OUTPUT			LENS TEMPERED BOROSILICATE	FINISH/TRIM HARD ANODIZE	OPTIONS	EQUALS	S
G1 G2				, ,								CAST ALUMINUM	SURFACE			OPTIONS	EQUALS	

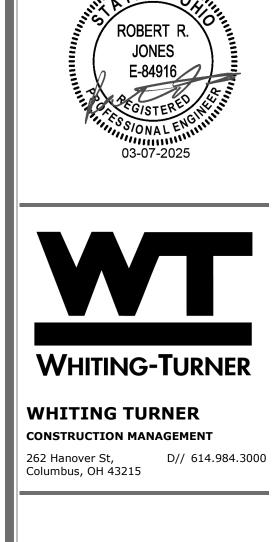


1. EXISTING PANELBOARD G1, 800 AMP, 480/277 VOLT, 3 Ø, 4 W. PROVIDE SQUARE D TYPE FA - 20 AMP-1P FOR FEED TO TEMPORARY HELIPAD LIGHTING. UPDATE PANEL DIRECTORY.









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DATE DESCRIPTION

CLIENT

OhioHealth Dublin

DUBLIN METHODIST HOSPITAL HELIPAD TEMPORARY RELOCATION

7500 Hospital Drive Dublin, OH 43016

ELECTRICAL SCHEDULES

commission no. 24072 scale: 1/4" = 1'-0" date:03-07-2025 revised:

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DESIGNED BY: Jack Messmore
CHECKED BY: Tom Howard
PROJECT NUMBER: 2024-0226

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