

HGA

333 East Erie Street

KORDA NEMETH ENGINEERIN CIVIL/MECHANICAL/ELECTRICAL

Milwaukee, Wisconsin 53202

Telephone 414.278.8200

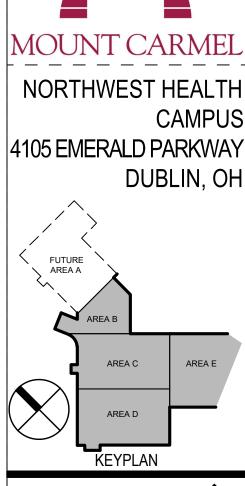
KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614 487 1650

PLUMBING/STRUCTURAL/ TECHNOLOGY ENGINEER



MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



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HGA NO: 1927-004-00

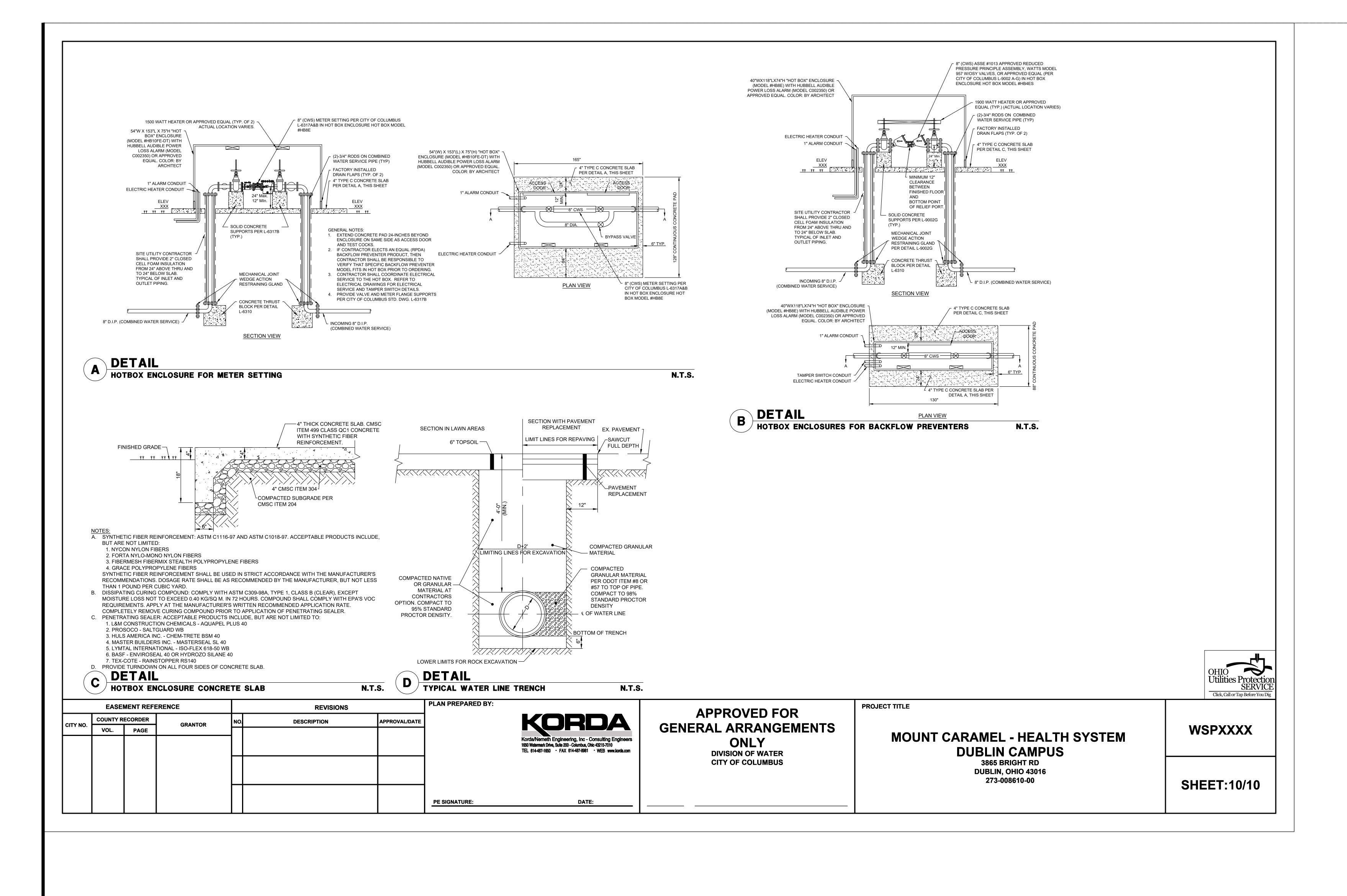
ISSUANCE HISTORY - THIS SHEET

WATERLINE PLAN AND PROFILE

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C314



HGA

333 East Erie Street

Milwaukee, Wisconsin 53202 Telephone 414.278.8200

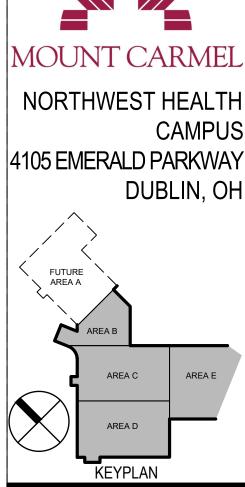
CORDA/NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH



NO DESCRIPTION DATE

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HGA NO: 1927-004-00

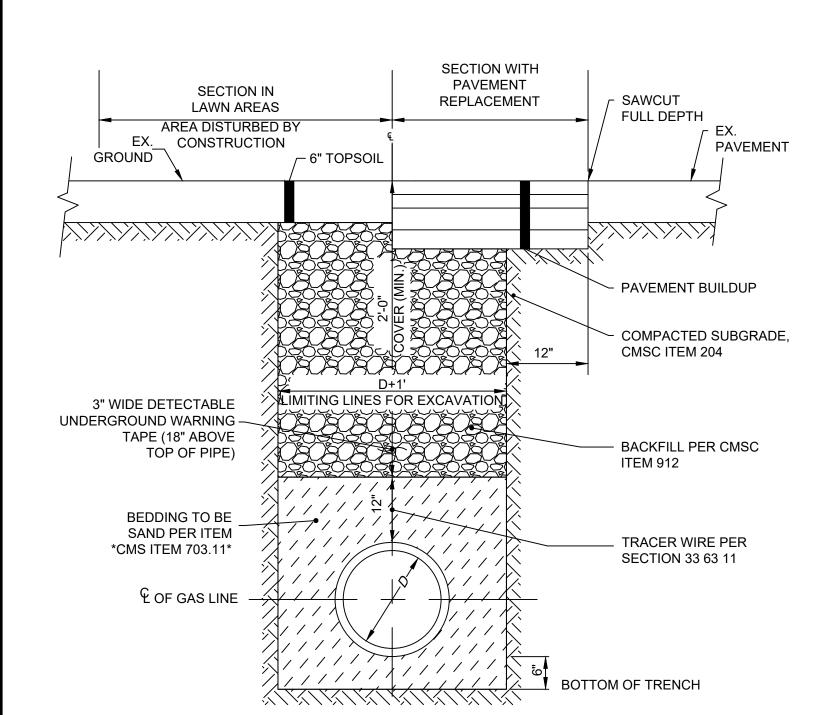
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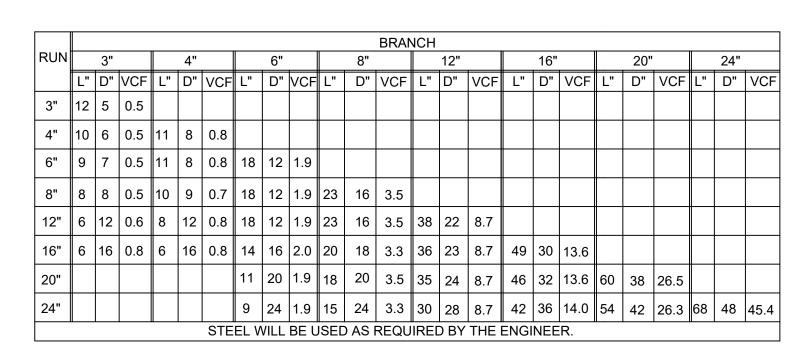
UTILITY DETAILS

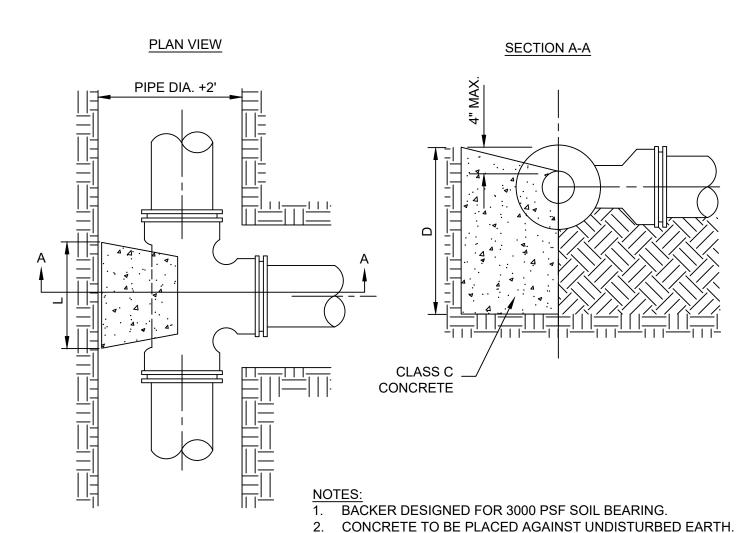
DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C315



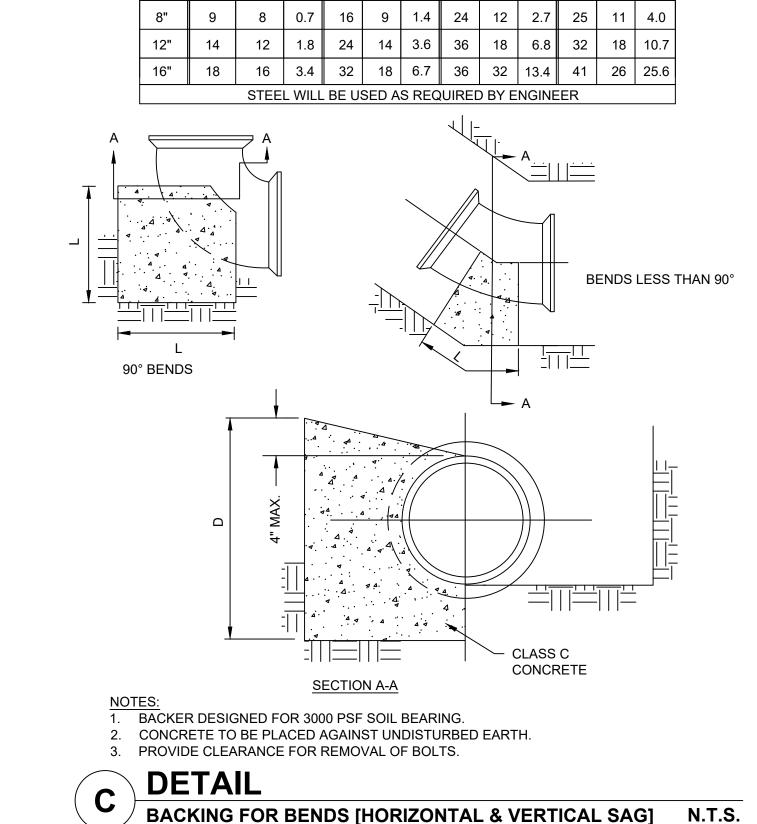


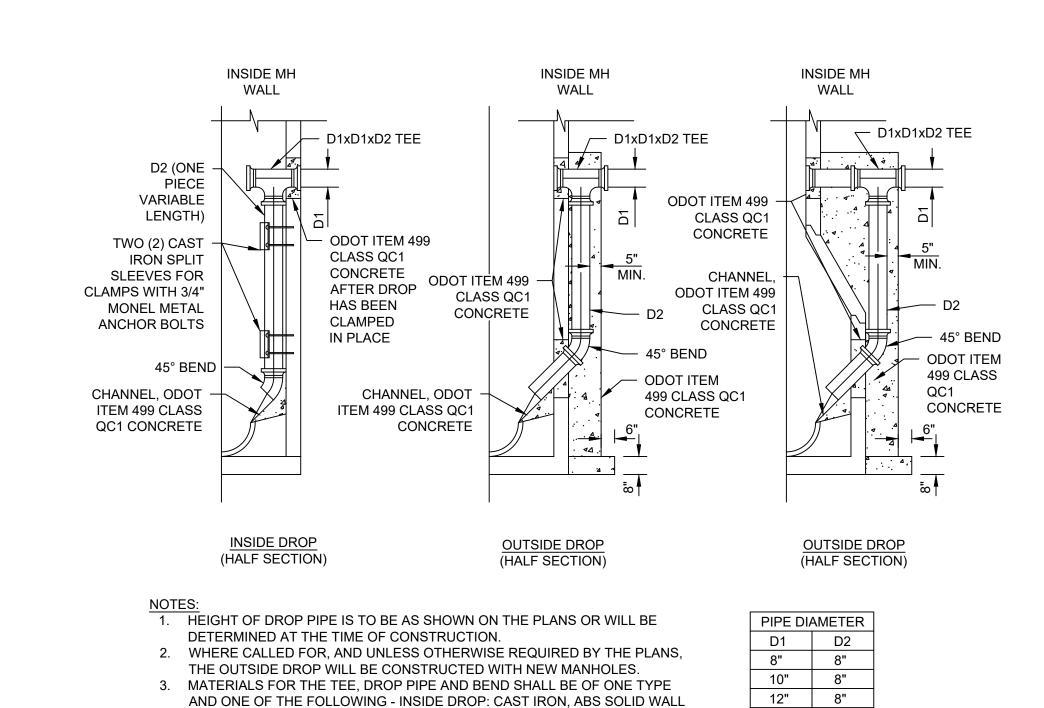


3. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.

36 MANHOLE FRAME PER COLUMBUS

N.T.S.





21" 12" 24" 12"

N.T.S.

DETAIL INSIDE & OUTSIDE DROP FOR MANHOLES

OR PVC. OUTSIDE DROP: C.I. SOIL, ABS SOLID WALL OR PVC.

MANHOLE WALL WITH 5/8" - "U" RODS X 6" LONG @ 12".

4. OUTSIDE DROP PIPES REQUIRE A 5" THICK (MINIMUM) ODOT ITEM 499 CLASS

QC1 CONCRETE ENCASEMENT ON THREE SIDES OF PIPE AND TIED TO

MOUNT CARMEL HEALTH SYSTEM

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

KORDA/NEMETH ENGINEERIN

CIVIL/MECHANICAL/ELECTRICAL

PLUMBING/STRUCTURAL/

TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE

LANDSCAPE ARCHITECT

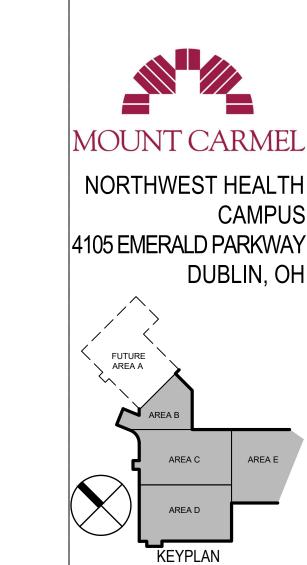
462 SOUTH LUDLOW ALLEY

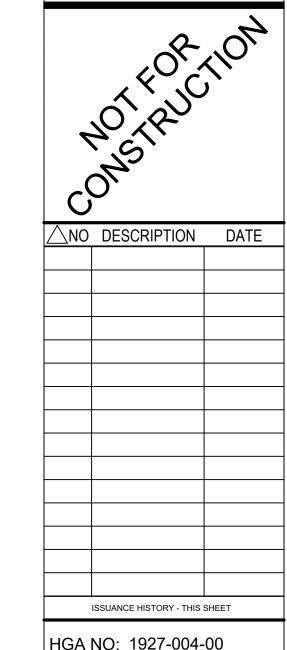
COLUMBUS, OH 43215

614.621.2796

COLMBUS, OH 43215

614.487.1650





UTILITY DETAILS

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C316

6" MAASS-MIDWEST PITLESS ADAPTER - MODEL 18" ABOVE GRADE — MB 6", 6 INCH WELL CASING, 4" INCH OUTLET PIPE OR APPROVED EQUAL (NSF APPROVED). 6" TOPSOIL SLOPE AWAY FROM WELL CASING - 6" TOPSOIL FIN. GRADE SEE NOTE #3 BELOW. RAW WATER TO OUTLET STRUCTURE, SEE ANNULAR SPACE AROUND CASING MUST BE -PLAN VIEW FOR LAYOUT CONTINUOUSLY GROUTED WITH BENTONITE —4" DISCHARGE FROM THE GROUND LEVEL TO BEDROCK PROVIDE 4' MIN. COVER 2 WIRE, PLUS GROUND, FLAT-JACKETED \ —STATIC WATER LEVEL SUBMERSIBLE PUMP CABLE AIRCRAFT CABLE, SECURE TO TOP OF CASING, CONNECT TO PUMP ELECTRIC CABLE FIRMLY ATTACHED TO DROP PIPE WITH ELECTRIC PLASTIC WIRE TIES WIRE TIES AT MAXIMUM INTERVALS OF TEN (10) FEET EXTEND 6" PVC WELL CASING TO BEDROCK 2" DROP PIPE MEETING ASTM D1785 - 10' JOINTS - CHECK VALVE - STRAINER SUBMERSIBLE WELL PUMP: 5 HP, SINGLE PHASE PUMP WITH OPERATING POINT 50 GPM @ 250 TDH. EXTEND WELL TO APPROXIMATELY 150 FEET IN DEPTH.

DETAIL

TYPICAL GAS LINE TRENCH

1. CONTRACTOR SHALL PROVIDE A WELL THAT PRODUCES 50 GPM AS DESCRIBED ABOVE. IN THE EVENT THAT THE PRODUCTION WELL CANNOT SUPPLY 50 GPM, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. 2. INSTALL PITLESS ADAPTER PER MANUFACTURER'S SPECIFICATIONS.

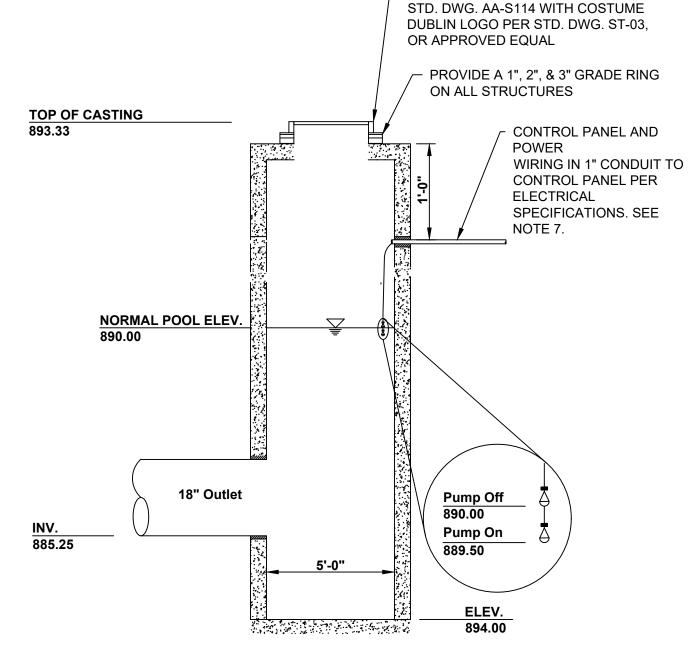
3. CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING, BRANCH CIRCUIT WIRING, AND CONDUIT TO RECHARGE WELL PUMP CONTROL PANEL.

4. CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING FINAL CONNECTION AT PITLESS ADAPTER.

5. PROVIDE WEATHER PROOF CONTROL PANEL SUITABLE FOR EXTERIOR MOUNTING. PANEL SHALL INCLUDE MOTOR STARTER, CONTROLS, CONTROL TRANSFORMER (MIN. 100 VA), ETC. AS REQUIRED AND SHALL BE COMPLETELY FACTORY WIRED AND BENCH TESTED FOR SATISFACTORY OPERATION PRIOR TO SHIPMENT. CONNECT CONTROL WIRING FROM RECHARGE WELL PUMP.

DETAIL RECHARGE WELL

N.T.S.



1. PROVIDE FLEXIBLE WATER TIGHT CONNECTORS AT ALL PIPES CONNECTING INTO MANHOLE.

2. PROVIDE 2 - NARROW ANGLE FLOAT SWITCHES COMPLETE WITH GALVANIZED ROD. RECHARGE WELL CONTROL SWITCH SHALL CONSIST OF 2 NORMALLY CLOSED SWITCHES. FLOAT CASING SHALL BE POLYPROPYLENE. SWITCH CABLE WILL BE TYPE SO NEOPRENE JACKET 4#18 CONDUCTOR, 41 STRAND, 480 VOLT INSULATION. CABLE SHALL BE SECURED TO SUPPORT ROD WITH A POLYPROPYLENE COMPOSITION CLAMP WITH STAINLESS STEEL BOLTS. THIS CONTRACTOR TO PROVIDE CONTROL CABLING IN 1" CONDUIT (PROVIDED BY ELECTRICAL CONTRACTOR) FOR CONNECTION TO RECHARGE WELL CONTROL PANEL.

3. ALL CONTROL WIRES AND FLOAT SHALL BE INCLUDED IN LUMP PRICE FOR RECHARGE

WELL PUMP. 4. MANHOLE SHALL BE WATER TIGHT CONSTRUCTION WITH O-RING JOINTS.

5. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL, MANHOLE TO WATER WELL AND MAKE ALL CONNECTIONS.

6. UPON FINAL CONNECTIONS TO CONTROL PANEL AND WATER WELL, PROVIDE TEST TO CONFIRM SYSTEM FUNCTIONS AS DESIGNED. ANY MODIFICATIONS NECESSARY TO

CORRECT SYSTEM SHALL BE PERFORMED AT NO ADDITIONAL COST TO OWNER.

7. COORDINATE PANEL LOCATION WITH LANDSCAPE ARCHITECT/MEP & OWNER PRIOR TO ORDERING CONDUIT & WIRING.

DETAIL

DETAIL

N.T.S.

RECHARGE WELL CONTROL STRUCTURE (RETENTION BASIN 1)

N.T.S.

GENERAL NOTES

- THE 2018 EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CSMC), INCLUDING SUPPLEMENTARY SPECIFICATIONS 1100 AND ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE DIVISION OF SEWERAGE AND DRAINAGE ((614)645-7102) AND THE DIVISION OF DESIGN AND CONSTRUCTION ((614)645-0433) AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO CONSTRUCTION. CONSTRUCTION INCLUDES REMOVAL OF FACILITIES IF REMOVED FACILITIES ARE IN THE
- QUANTITIES. ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR OF THE DIVISION OF SEWERAGE AND DRAINAGE
- THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHOWN. THE CONTRACTOR SHALL EXPOSE UTILITIES AND STRUCTURES PRIOR TO THE CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE ((800)362-2764) FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES. MECHANICAL DIGGING EQUIPMENT SHALL NOT BE USED FOR EXPOSING ANY UNDERGROUND UTILITY, ONLY

HAND TOOLS MAY BE USED TO UNCOVER THE UTILITY AND THE UTILITY COMPANY SHALL BE NOTIFIED AND HAVE A REPRESENTATIVE PRESENT WHEN THE UTILITY IS EXPOSED. LOCATE EXISTING UNDERGROUND UTILITIES IN THE AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE

PROVIDE ADEQUATE MEANS OF PROTECTING DURING EXCAVATION OPERATIONS SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE ENGINEER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH THE OWNER AND

REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER, EXCEPT WHEN PERMITTED IN WRITING BY THE OWNER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.

PUBLIC UTILITY COMPANIES IN KEEPING THEIR RESPECTIVE SERVICES AND FACILITIES IN OPERATION.

- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NEEDED FOR CONSTRUCTION OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO CITY OF COLUMBUS SANITARY SEWER STANDBY INSPECTION FEES AND RIGHT-OF-WAY PERMITS.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS.
- 6. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING DIVISIONS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF ANTICIPATED START OF CONSTRUCTION:
- DIVISION OF SEWERAGE AND DRAINAGE (614) 645-7102 DIVISION OF POWER (614) 645-7627
- **DIVISION OF WATER** (614) 645-7788 DIVISION OF DESIGN & CONSTRUCTION,
- CONSTRUCTION SECTION
- THE CONTRACTOR SHALL, PRIOR TO STARTING ANY CONSTRUCTION OPERATION, DEPOSIT WITH THE CITY, THE TOTAL ESTIMATED COST FOR INSPECTION AND WHERE REQUIRED, A REPAVING GUARANTEE. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE ENGINEER.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS. SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS WHICH HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN

SERVICE IN EXISTING SEWERS DURING CONSTRUCTION. 10. WHERE PLANS PROVIDE FOR A PROPOSED SEWER TO BE CONNECTED TO, OR CROSS OVER, OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES, BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED SEWER. THESE

LOCATIONS ARE NOTED THUS: EXPOSE. 11. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING SEWER, OR EXISTING APPURTENANCE TO BE CONNECTED. DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN SEWER SLOPE. THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED SEWER WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY

12. GRADES AND ELEVATIONS SHOWN ON THE PLANS SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATION BY MORE THAN FIVE HUNDREDTHS (0.05) OF A FOOT. FAILING TO MEET THE ABOVE REQUIREMENTS ARE CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER

ALL SUBGRADE COMPACTION SHALL CONFORM TO ITEM 901. IF COMPACTION CANNOT BE OBTAINED, THE CONTRACTOR SHALL REMOVE THE UNSUITABLE SOIL AND REPLACE IT WITH SUITABLE SOIL OR GRANULAR MATERIAL. REMOVAL AND REPLACEMENT SHALL BE PERFORMED ONLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND SHALL BE ORDERED ONLY WITH THE PERMISSION OF THE ENGINEER

TRENCH BACKFILL UNDER ALL LAWN AREAS, SIDEWALKS, AND BIKE STORAGE AREAS (REGARDLESS OF WIDTH) SHALL BE COMPACTED AS PER ITEM 911. ALL OTHER TRENCH BACKFILL UNDER SERVICE COURTS AND DECORATIVE PAVING AREAS OR WITHIN THREE (3) FEET SHALL BE AS PER ITEM 912 (RECYCLED OR

15. AT ALL POINTS OF CROSSING WATER MAINS OR OTHER SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPES.

16. ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

17. EXCAVATED MATERIALS SHALL NOT BE STORED ON EXISTING PUBLIC ROADWAY PAVEMENT. 18. NO NON-RUBBER TIRED VEHICLES SHALL BE MOVED ON PUBLIC STREETS OR ROADS. EXCEPTIONS MAY BE GRANTED BY THE CITY ENGINEER WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE

SATISFACTION OF THE RESPECTIVE JURISDICTION. 19. ALL SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS,

20. AT LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW PAVEMENT, THE CONTRACTOR SHALL BLEND NEW PAVEMENT TO EXISTING GRADES. PONDING AT JOINTS WILL NOT BE ACCEPTED. PROVIDE BUTT JOINT AT LOCATIONS WHERE NEW PAVEMENT ABUTS EXISTING.

21. ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM (NAVD 88) AND (NGVD 29).

EASEMENT REFERENCE

22. EROSION AND SEDIMENT CONTROL - EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED FOR THIS PROJECT AND CAN BE FOUND ON SHEETS C2.18-12.20 OF THIS PROJECT CONSTRUCTION SET APPROVED BY THE CITY OF DUBLIN. THIS CONTRACTOR MUST ALSO, COMPLY WITH ALL PROVISIONS OF THE CITY OF DUBLIN APPROVED PLANS. ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF DUBLIN AND /OR THE OHIO EPA TO DETERMINE COMPLIANCE WITH THIS STANDARD AND REGULATIONS. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO ENFORCEMENT ACTION BY THIS CITY.

ABANDONED STORM SEWERS AND SANITARY SEWERS LARGER THAN EIGHTEEN (18) INCHES SHALL BE FILLED WITH FLOWABLE CONTROLLED DENSITY FILL (FCDF) PER ITEM 636 AND ITEM 202.041. ABANDONED STORM SEWER AND SANITARY SEWERS EIGHTEEN (18) INCHES AND SMALLER SHALL BE ABANDONED IN PLACE. ALL CONCRETE PIPE, STORM AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY SEWER STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

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

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:

PROPER PLACEMENT OF EACH STRUCTURE.

PROPER INSTALLATION OF PIPE RUNS. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN.

GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE. GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVE THE CONTRACTOR OF THE ULTIMATE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE

PIPE SPECIFICATIONS FOR THE PLAN IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING: E. P.V.C. GRAVITY SEWER PIPE ASTM D3034 (SDR-35) FOR SIX (6) THROUGH FIFTEEN (15) INCH DIAMETER PIPE

F. P.V.C. GRAVITY SEWER PIPE ASTM F-679 OR F-794 FOR EIGHTEEN (18) INCH DIAMETER PIPE

LATERALS INSTALLED AS PART OF MAINLINE CONSTRUCTION. TESTING SHALL CONFORM TO THE

PROVIDE PIPE JOINTS CONFORMING TO THE REQUIREMENTS OF ASTM D 3212. PIPE SHALL BE ON APPROVED MATERIALS LIST. ACCEPTANCE TESTING (DEFLECTION AND LEAKAGE) OF ALL SANITARY SEWERS SHALL REQUIRE A SIXTY (30) DAY WAITING PERIOD FROM THE DATE OF FINAL BACKFILLING TO TESTING. THIS SHALL INCLUDE ALL

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

REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIALS SPECIFICATIONS

DIVISION OF POWER

THE DIVISION OF POWER MAY HAVE UNDERGROUND PRIMARY, SECONDARY AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 OR 1(800)362-2764 FORTY-EIGHT (48) HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA. ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS - CITY OF COLUMBUS" (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMSC MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP. IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614)645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

PROPERTY OWNERS						
	OWNER NAME	PARCEL	ACREAGE	ADDRESS		
1	STEPHEN T. NEWCOMB	273-008606	2.828 AC	3985 BRIGHT RD		
2	SKS BRIGHT ROAD LLC	273-008609	3.164 AC	4025 BRIGHT RD		
3	CITY OF DUBLIN OHIO	273-008616	1.36 AC	54 S. GLENWOOD AVE.		
4	BRC II LLC	273-008380	18.542 AC	1115 W. BROAD ST.		
5	CITY OF DUBLIN OHIO	273-012353	4.653 AC	BRIGHT RD		
6	PERRY TOWNSHIP BD OF TRS	273-008259	0.9894 AC	7125 SAWMILL RD		
7	PERRY TOWNSHIP BD OF TRS	273-008792	0.7907 AC	7125 SAWMILL RD		
8	MCKITRICK PROPERTIES INC	273-008610	35.15 AC	3865 BRIGHT RD		

RCHITECT	OWN

MOUNT CARMEL HEALTH 333 EAST ERIE STREET SYSTEM MILWAUKEE, WI 53202 **DUBLIN, OH 43016** CONTACT: MARA SABATINI CONTACT: MEG A. PEUGH

KORDA/NEMETH ENGINEERING 1650 WATERMARK DRIVE COLUMBUS, OH 43215 CONTACT: GRAHAM WATKINS P: 567 674 2783 P: 614 325 5245 EMAIL: GRAHAM.WATKINS@KORDA.COM EMAIL: MPEUGH@MCHS.COM

PLAN PREPARED BY:

ENGINEER

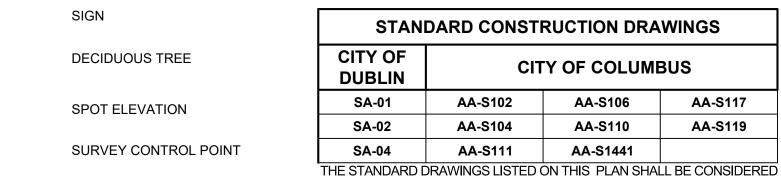
ON SITE CONTACT: MEG A. PEUGH PHONE: 614 325 5245 E-MAIL: MPEUGH@MCHS.COM SITE IS TRIBUTARY TO: SCIOTO

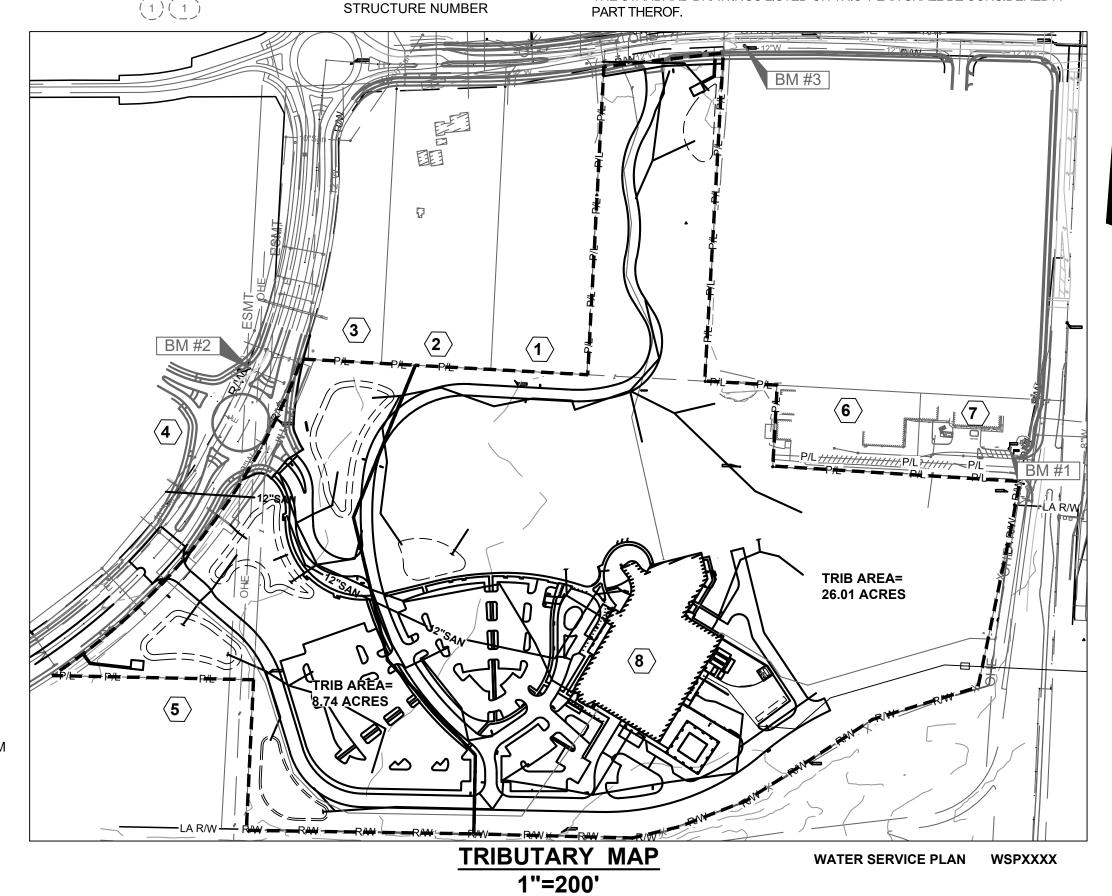
P: 614 621 2796

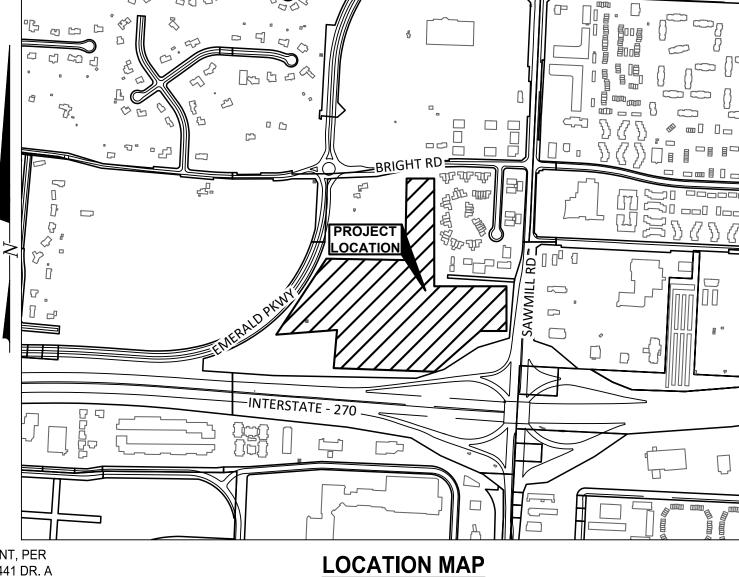
EMAIL: 913 558 2618

PRIVATE SANITARY SEWER FOR MOUNT CARAMEL HEALTH SYSTEM **DUBLIN HOSPITAL**

EXISTING		PROPOSED	
800	INDEX CONTOUR ————	Stm	- STORM SEWER
799 — — —	INTERMEDIATE CONTOUR -		- CATCH BASIN
Stm	STORM SEWER ————	——	- MANHOLE 📥 👸
	CATCH BASIN	o co	- CLEAN OUT
<u> </u>	MANHOLE	ODS	– DOWN SPOUT
San	SANITARY SEWER	San	- SANITARY SEWER
G	GAS LINE	G	- GAS LINE
	WATER LINE	W	- WATER LINE
	VALVE ————	M	- GAS METER
E	UNDERGROUND ELECTRIC LINE	1 (101)	STRUCTURE NUMBER
<i>─</i>	POWER POLE	тс	TOP OF CASTING
Φ	LIGHT POLE	77777777	BUILDING
(rec.)	PROPERTY LINE UTILITY LOCATED PER CONSTRUCTION PLANS		PAVEMENT REPLACEMENT, PER STANDARD DRAWING, 1441 DR. A







SHEET INDEX					
CC SHEET	SHEET	DESCRIPTION			
1/5	C400	TITLE SHEET			
2/5	C401	CITY OF DUBLIN GENERAL NOTES			
3/5	C402	PLAN & PROFILE			
4/5	C403	MAINTENANCE OF TRAFFIC			
5/5	C404	MAINTENANCE OF TRAFFIC			

ESTIMATE OF QUANTITIES TEM QUANTITY UNIT DESCRIPTION SANITARY SEWER TYPE "C" MANHOLE, CLASS C (SA-01) 12" SANITARY SEWER WITH TYPE 1 901 946 LF BEDDING 12"X8" WYE FITTING 915 EΑ

BENCHMARKS

8" SANITARY SERVICE

4" SANITARY SERVICE

	No.	Elevation	Description
1 902.71 To		902.71	Square Chiseled on the northwesterly corner of the flag pole base at the Perry Township Administrative complex.
		891.92	'X' chiseled on the southerly rim of the sanitary manhole located on the westerly side of Emerald Parkway, approximately 215 feet south of Bright Road.
	3	902.15	Arrow chiseled on the northerly flange bolt of the fire hydrant on the south side of Bright Road, approximately 430 feet due West of Inverness Court.

1. ELEVATIONS ARE BASED ON NAVD1988

69

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LF

918

918

	CONTROL POINTS							
No.	Northing	Easting	Elevation	Description				
1	769665.120	1803164.730	901.90	5/8"x30" Iron Pin Set				
2	769103.260	1802748.058	904.35	5/8"x30" Iron Pin Set				
3	768955.955	1802236.090	904.89	5/8"x30" Iron Pin Set				
4	769285.373	1801621.270	896.21	5/8"x30" Iron Pin Set				
5	769816.363	1801643.266	892.21	Mag Nail Set				
6	769896.648	1802138.339	899.71	5/8"x30" Iron Pin Set				
7	769717.054	1802607.304	902.44	5/8"x30" Iron Pin Found				
8	770557.161	1801798.106	894.95	Mag Nail Set				
9	770583.740	1802537.305	899.33	5/8"x30" Iron Pin Set				

SANITARY SEWER NOTE

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



d CITY NO.	COUNTY R	ECORDER	GRANTOR	NO	DESCRIPTION	APPROVAL/DATE	KORLA	
S CITY NO.	VOL.	PAGE	GRANTOR					-
7_00 MCH							Korda/Nemeth Engineering, Inc - Consulting Engineers 1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010 TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com	-
21/2021-001								-
.Projects\20;								_
He: H:							REGISTERED ENGINEER NO. DATE	- I

REVISIONS

APPROVED:	PROJECT TITLE		
			PF
CITY ENGINEER/ADMINI	STRATOR, DIVISION OF DESIGN AND CONSTRUCTION	DATE	MOUNT CAR
ADMINISTRATOR, DIVIS	ION OF POWER	DATE	DIVIS
ADMINISTRATOR DIVIS	ION OF CEWEDAGE AND DRAINAGE		
ADMINISTRATOR, DIVIS	ION OF SEWERAGE AND DRAINAGE	DATE	
ADMINISTRATOR, DIVIS	ION OF WATER	DATE	
			-
DIRECTOR OF ENGINEE	RING/CITY ENGINEER (CITY OF DUBLIN)	DATE	

PRIVATE SANITARY PLAN FOR **MOUNT CARMEL HEALTH SYSTEM - DUBLIN HOSPITAL DUBLIN HOSPITAL**

DIVISION USE ONLY OWNER CONTRACTOR **INSPECTOR** AGREEMENT COMPI RPD CKD CID CO INDEX DETAIL

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE **DIVISION USE ONLY**

	SCALE:	HORIZ 1" =	n/a	SHEET:	1 / 5	
LETED	SCALE.	VERT 1" =	n/a	SHEET:	1 / 3	
ON.DR.	CONTRAC	T DRAWING N	0.	RECORD P	LAN NO.	
ORD LE	cc	-XXXXX				

SPECIFICATIONS: 1. CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS CURRENT EDITIONS. AND ANY SUPPLEMENTS THERETO (HEREAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND. THE MORE STRICT SPECIFICATION WILL APPLY AS DECIDED BY THE CITY ENGINEER. ITEM NUMBERS LISTED REFER TO CITY OF COLUMBUS

ITEM NUMBERS UNLESS OTHERWISE NOTED.

2. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE. OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

3. THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS INCLUDING BUT NOT LIMITED. TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.

4. THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN

PRIOR TO BEGINNING CONSTRUCTION. 5. THE CONTRACTOR 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 PRECAUTION 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

DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS

REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146. 6. FOLLOWING COMPLETION OF CONSTRUCTION OF THE SITE IMPROVEMENTS AND BEFORE REQUESTING OCCUPANCY, A PROOF SURVEY SHALL BE PROVIDED TO THE DIVISION OF ENGINEERING THAT DOCUMENTS "AS BUILT" FLEVATIONS DIMENSIONS SLOPES AND ALIGNMENTS OF ALL ELEMENTS OF THIS PROJECT. THE PROOF SURVEY SHALL BE PREPARED, SIGNED AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTIONS

7. THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT OF WAY AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.

DRAWINGS

8. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.

9. NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

10. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS_SECTIONS THAT EXISTED BEFORE CONSTRUCTION.

11. TRACKING OR SPILLING MUD, DIRT OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES. SIDEWALKS OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE DUBLIN CODE OF ORDINANCES. 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.

DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOR HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.

13. ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

14. ALL FIELD TILE BROKEN OR ENCOUNTERED 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.

15. 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.

16. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.

17. BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES GARAGES ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, BIKE PATHS ETC.) SHALL BE COMPACTED GRANULAR BACKFILL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR FLOWABLE CDF, TYPE II ACCORDING TO ITEM 613. ITEM 911 OF THE STANDARD

SPECIFICATIONS SHALL BE USED ELSEWHERE. 18. THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF

COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION. SEND THE INFORMATION TO THE FOLLOWING ADDRESS: CONSTRUCTION INSPECTION DIVISION

EASEMENT REFERENCE

PAGE

GRANTOR

CITY OF COLUMBUS

1800 EAST 17TH AVENUE

COLUMBUS, OHIO 43219

COUNTY RECORDER

VOL.

SEND A COPY OF THE TRANSMITTAL LETTER TO THE FOLLOWING

DIVISION OF ENGINEERING CITY OF DUBLIN 6555 SHIER RINGS ROAD

DUBLIN. OHIO 43016

ADDRESS:

19. ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.

20. ALL TREES WITHIN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM 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. TREES NOT INDICATED ON THE APPROVED CONSTRUCTION DRAWINGS FOR REMOVAL MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE DIVISION OF ENGINEERING.

21. CONDUIT MUST BE DIRECTIONALLY BORED ACROSS STREETS INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED PERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY OF EXISTING STREETS MUST BE OBTAINED FROM THE CITY OF DUBLIN DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION. SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, CONTROLLED DENSITY BACKFILL (TYPE II) SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL, ACCORDING TO ITEM 613 OF THE STANDARD SPECIFICATIONS.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR

23. FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.

24. PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, OR AS REQUIRED BY THE CITY FNGINFFR PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441 DR. A AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS, HANDICAPPED RAMPS, SIDEWALKS, BIKE PATHS PARKING LOT PAVEMENT FTC SHALL BE PROVIDED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS AND CITY OF DUBLIN STANDARD CONSTRUCTION DRAWINGS.

25. TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ARBORIST. AT THE COMPLETION OF THE PROJECT, THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN

26. ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER,

27. ALL INLETS SHALL BE CHANNELIZED.

28. PARK AREAS SHALL BE FINE_GRADED AND SEEDED WITH THE FOLLOWING MIXTURE: 29. IMPROVED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)

30. IMPROVED PERENNIAL RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) 31. GERMINATION RATE: 85% 32. APPLICATION RATE: 7 LBS PER 1000 SQ FT OR AS DIRECTED BY THE DIVISION OF PARKS AND RECREATION, CITY OF DUBLIN,

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. 34. STREET SIGNS SHALL MEET ALL CITY OF DUBLIN SPECIFICATIONS WITH LETTERING COLORED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH THE TYPE S, SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

35. THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

AMERICAN ELECTRIC POWER 700 MORRISON ROAD 3RD FLOOR GAHANNA, OHIO 43230 TEL: 614-883-6831 CELL: 614-949-8883 CONTACT: PAUL PAXTON

CITY OF DUBLIN

DUBLIN, OH 43016

TEL: 614-410-4740

WIDE OPEN WEST

6555 SHIFR RINGS RD

UTILITIES:

CITY OF DUBLIN.

AT&T (CABLE) **DIVISION OF ENGINEERING** 111 N 4TH STEET SUITE 802 COLUMBUS, OHIO 43215 TEL: 614-223-7162 CONTACT: ROGER MIKESELL

REVISIONS

DESCRIPTION

SPECTRUM

3760 INTERCHANGE ROAD

CONTACT: DAVID HOLSTEIN

COLUMBUS, OHIO 43204

TEL: 614-481-5262

CEL: 614-975-7468

TEAM FISHEL

1600 WALCUTT RD

COLUMBUS, OH 43228

CONTACT: JOE TEPPER

TEL: 614-921-4616

CFLL 614-323-8079

AT&T (CONDUIT)

SUITE 802

ALMSICK

111 N. 4TH STREET

TEL: 614-223-7276

CONTACT: GARY VAN

APPROVAL/DATE

COLUMBIA GAS 3550 JOHNNY APPLESEED C COLUMBUS, OHIO 43231 TEL: 614-818-2113 CFLL: 614-315-3770 CONTACT: MATT MYERS

3675 CORPORATE DRIVE COLUMBUS, OHIO 43231 TEL: 614-749-2225 CONTACT: STEVEN CALLAHAN CITY OF COLUMBUS DIVISION OF WATER 910 DUBLIN ROAD 2ND FLOOR

CONSTRUCTION.

CURRENT EDITION.

DIRECTED BY THE CITY ENGINEER.

1810 ARLINGTON LANE COLUMBUS, OHIO 43228 TFI: 614-274-8100 COLUMBUS, OHIO 43215 CONTACT: DEAN PENCE TEL: 614-645-7677

DUBLIN DEVELOPMENTS

CENTURY LINK 250 W. OLD WILSON BRIDGE, SUITE 130 WORTHINGTON, OH 43085 RELOCATIONS@CENTURYLINK.COM

36. THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800 362 2764), PRODUCER'S UNDERGROUND PROTECTION SERVICE (TELEPHONE NUMBER 614 587 0486). 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 START OF

37. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED

CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE

AND FOR ANY RESULTING CONTINGENT DAMAGE. 38. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES. WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME

39. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE

40. PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT CONTACT THE CITY OF DUBLIN DIVISION OF ENGINEERING AT 410-4637, TWO DAYS PRIOR TO BEGINNING WORK.

TRAFFIC CONTROL: 41. TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD),

42. 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 AUTHORIZED DIFFERENTLY BY THE CITY ENGINEER AT ALL OTHER HOURS THE CONTRACTOR SHALL MAINTAIN MINIMUM ONE-LANE TWO-WAY TRAFFIC. 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

43. 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 TO THE PROJECT AT NO COST TO THE CITY.

44. STEADY-BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.

45. ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS OR BUSINESSES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT 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. THE TRAFFIC CONTROL PLAN MUST INCORPORATE ANY TRAFFIC CONTROL DETAILS CONTAINED HEREIN. THE TRAFFIC CONTROL PLAN PROPOSED BY THE

CONTRACTOR MUST BE APPROVED BY THE CITY ENGINEER PRIOR

USE OF FIRE HYDRANTS:

TO CONSTRUCTION.

46. THE CONTRACTOR SHALL MAKE PROPER ARRANGEMENTS WITH THE DUBLIN SERVICE DEPARTMENT AND THE COLUMBUS DIVISION OF WATER FOR THE USE OF FIRE HYDRANTS WHEN USED FOR WORK PERFORMED UNDER THIS CONTRACT AND PROVIDE THE CITY OF DUBLIN A COPY OF THE HYDRANT USAGE PERMIT OBTAINED FROM THE CITY OF COLUMBUS. THE CONTRACTOR SHALL ALSO SEND A 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.

47. BEFORE THE FINAL ESTIMATE IS PAID, THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE CITY OF COLUMBUS DIVISION OF WATER TO THE 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 (IF PERMITTED):

48. 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. TOP OF ROCK ELEVATIONS SHALL BE SHOWN ON "AS-BUILT"

CONSTRUCTION DRAWINGS. **SANITARY SEWERS:**

PLAN PREPARED BY:

Korda/Nemeth Engineering, Inc - Consulting Engineers 1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010 TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

49. CONNECTIONS TO THE SANITARY SEWER WILL BE PERMITTED UPON RECEIVING AN OEPA PERMIT TO INSTALL (PTI). AND UPON RECEIVING A SATISFACTORY LETTER FROM THE DESIGN ENGINEER STATING THAT THE PROJECT HAS BEEN CONSTRUCTED AS PER THE PLANS, AND ALL OF THE CONDITIONS OF THE PTI HAVE BEEN MET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING REVIEW FEES.

50. SANITARY SEWAGE COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS OF THE 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.

51 THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE WITH DIAMETERS 8 INCHES TO 10 INCHES SHALL BE PVC SEWER PIPE ASTM D3034, SDR 35. PIPE FOR 6 INCH DIAMETER HOUSE SERVICE LINES SHALL BE PVC PIPE ASTM D3034_SDR 35_PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET. PIPE MATERIALS AND RELATED STRUCTURES SHALL BE SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.

52. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPES WITH DIAMETERS 12 INCHES TO 30 INCHES SHALL BE PVC SEWER PIPE, ASTM D3034, SDR 35 OR SANITITE HP PIPE, ASTM F2736. SANITARY SEWER PIPES WITH DIAMETERS 30 INCHES TO 60 INCHES SHALL BE PVC SEWER PIPE, ASTM D3034, SDR 35 OR SANITITE HP

53. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18-INCH DIAMETER AND LARGER, SHALL BE EITHER KOR-N-TEE OR KOR-N-SEAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.

54. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR CONTROLLED DENSITY BACKFILL ACCORDING TO ITEM 613, TYPE II OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.

55. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF-SEALING GASKETS. THE APPROVED CONSTRUCTION DRAWINGS SHALL SHOW WHERE BOLT-DOWN LIDS ARE REQUIRED SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN SANITARY MANHOLE STANDARD DRAWING. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO.

56. ALL PVC SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 60 DAYS AFTER COMPLETION OF BACKFILLING OPERATIONS ALL OTHER REQUIREMENTS SHALL BE ACCORDING TO ITEM 901.21 OF THE STANDARD SPECIFICATIONS.

57. TEMPORARY BULKHEADS SHALL BE PLACED IN PIPES AT LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AND SHALL REMAIN IN PLACE UNTIL THE PERMIT TO INSTALL (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 INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THE VARIOUS SANITARY SEWER ITEMS.

58. ALL SANITARY SEWERS INCLUDING SANITARY SEWER SERVICE LINES SHALL BE SUBJECTED TO AND PASS INFILTRATION OR EXELL TRATION TESTS ACCORDING TO ITEM 901 OF THE STANDARD SPECIFICATIONS AND MUST BE APPROVED FOR USE BY THE CITY ENGINEER BEFORE ANY SERVICE CONNECTIONS ARE

TAPPED INTO SEWERS. 59. 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

60. AT THE DETERMINATION OF THE CITY ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO PERFORM A TV

61. INSPECTION OF THE SANITARY SEWER SYSTEM PRIOR TO FINAL ACCEPTANCE BY THE CITY. THIS WORK SHALL BE COMPLETED BY THE CONTRACTOR AT HIS EXPENSE.

62. VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR

DUBLIN CODE OF ORDINANCES

DUCTILE IRON PIPE MATERIAL.

FOLLOWING TYPES:

DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. 63. 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

64. ALL WATER LINES SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY, FROM SANITARY SEWERS AND STORM SEWERS, TO THE GREATEST EXTENT PRACTICABLE WHERE SANITARY SEWERS CROSS WATER MAINS OR OTHER SEWERS OR OTHER UTILITIES TRENCH BACKELL SHALL BE PLACED BETWEEN THE PIPES CROSSING AND SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS. IN THE EVENT THAT A WATER LINE MUST CROSS WITHIN 18 INCHES OF A SANITARY SEWER. THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF

65 SERVICE RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. TOPS OF RISERS SHALL BE NO LESS THAN 9 FEET BELOW PROPOSED GROUND ELEVATION IF BASEMENT SERVICE IS

66. WHERE SERVICE RISERS ARE NOT INSTALLED, A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE OF THE SAME

SIZE AS THE WYE OPENING SHALL BE INSTALLED. 67. THE CONTRACTOR SHALL FURNISH AND PLACE, AS DIRECTED, APPROVED WYE POLES MADE OF 2 INCHES X 2 INCHES LUMBER 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. THE COST OF THESE POLES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS SEWER ITEMS.

68. 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

A. RUBBER SLEEVE WITH STAINLESS STEEL BANDING. 1) KOR-N-SEAL AS MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. 2) LOCK JOINT FLEXIBLE MANHOLE SLEEVE AS MANUFACTURED BY INTERPACE CORPORATION. 3) OR EQUAL AS APPROVED BY THE CITY ENGINEER.

B. RUBBER GASKET COMPRESSION. 1) PRESS WEDGE II AS MANUFACTURED BY PRESS-SEAL GASKET CORPORATION 2) DURA SEAL III AS MANUFACTURED BY DURA TECH, INC. LINK-SEAL AS MANUFACTURED BY THUNDERLINE

CORPORATION. 4) OR EQUAL AS APPROVED BY THE CITY ENGINEER.

THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE FOR THE MANHOLE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RELATED ITEMS OF WORK.

69. THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DIVISION OF WATER AT 645-7788 AND THE CITY OF DUBLIN DIVISION OF ENGINEERING AT LEAST 24 HOURS BEFORE TAPPING INTO EXISTING WATER LINES.

70. EROSION AND SEDIMENT CONTROL:

SEWERS

71. THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT (NOI) TO BE REVIEWED AND APPROVED BY THE OHIO EPA. THE NOI MUST BE SUBMITTED TO OEPA 45 DAYS PRIOR TO THE START OF CONSTRUCTION AND MAY ENTITLE COVERAGE UNDER THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A PROJECT LOCATION MAP MUST BE SUBMITTED WITH THE NOI. A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA ITEM 207 OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. AND THE CITY ENGINEER. AN INDIVIDUAL NPDES STORMWATER DISCHARGE PERMIT MAY BE REQUIRED. THE CONTRACTOR SHALL BE CONSIDERED THE PERMITTEE.

72. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM

73. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT BASINS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY

GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED. 74. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.

NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

75. DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN SEVEN CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT

CITY OF COLUMBUS, OHIO PROJECT TITLE **DEPARTMENT OF PUBLIC UTILITIES** PRIVATE SANITARY PLAN FOR DIVISION OF SEWERAGE AND DRAINAGE **MOUNT CARMEL HEALTH SYSTEM - DUBLIN HOSPITAL DIVISION USE ONLY DUBLIN HOSPITAL GENERAL NOTES DIVISION USE ONLY** OWNER CONTRACTOR **INSPECTOR** HORIZ 1" = n/aSHEET: VERT 1" = AGREEMENT | COMPLETED RPD CKD CID CON.DR. CONTRACT DRAWING NO. **RECORD PLAN NO.** INDEX RECORD CC-XXXXX **DETAIL**

333 East Erie Street Milwaukee, Wisconsin 53202

CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL **TECHNOLOGY ENGINEER**

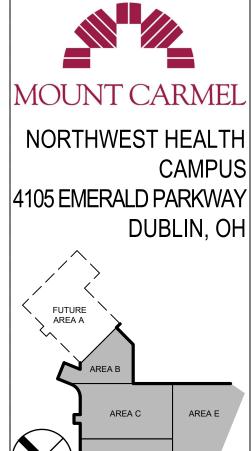
Telephone 414.278.8200

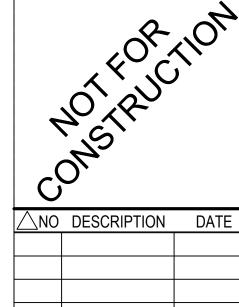
1650 WATERMARK DRIVE



462 SOUTH LUDLOW ALLEY

MOUNT CARMEL



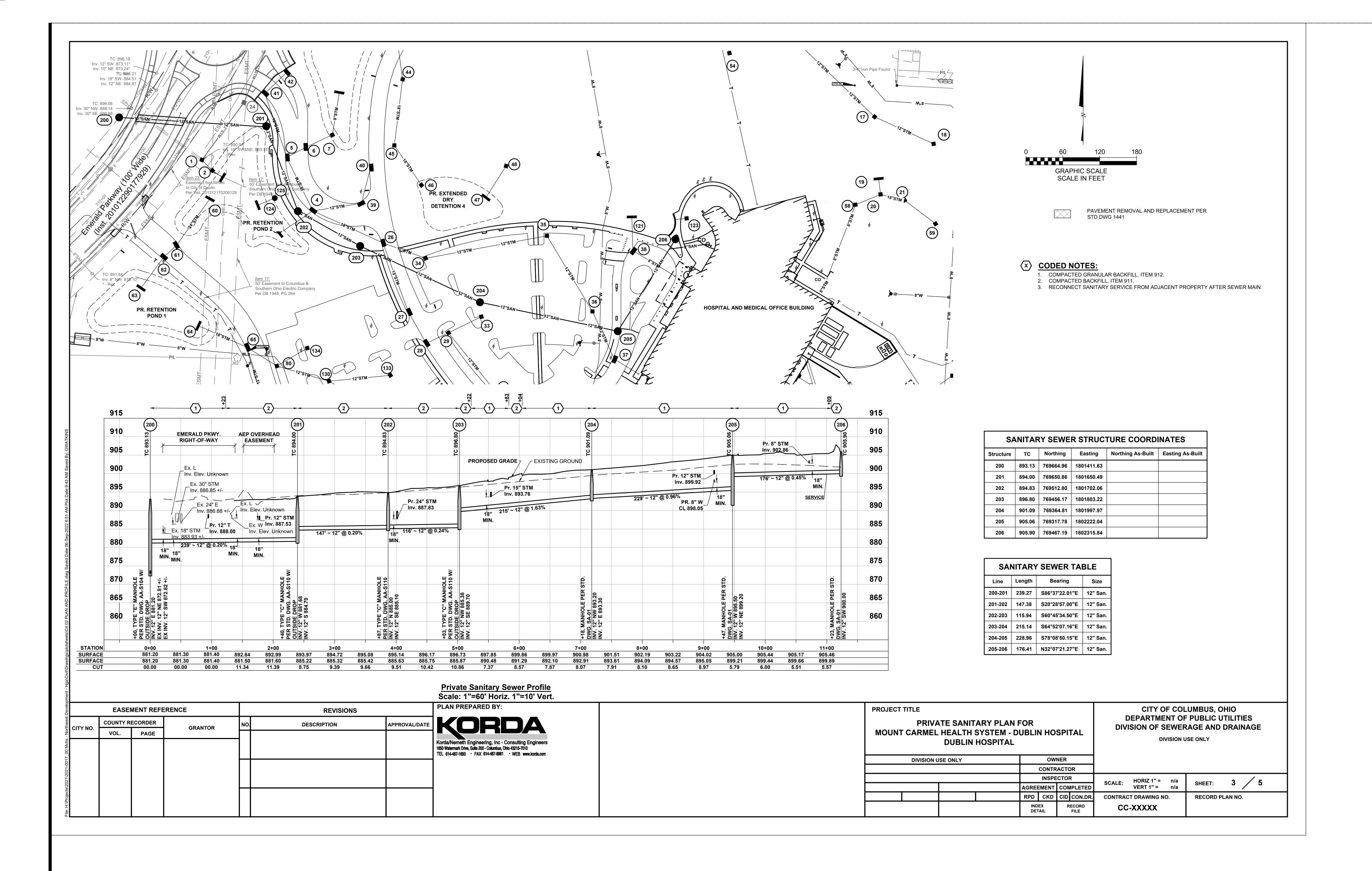


ISSUANCE HISTORY - THIS SHEET

CITY OF DUBLIN GENERAL NOTES

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C401



HGA

333 East Erie Street

Milwaukee, Wisconsin 53202 Telephone 414.278.8200

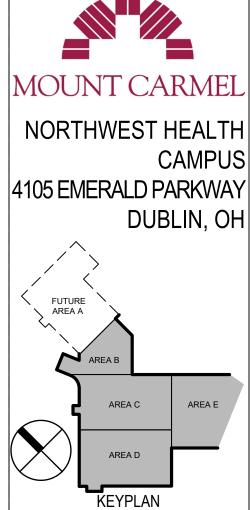
KORDA/NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

VKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

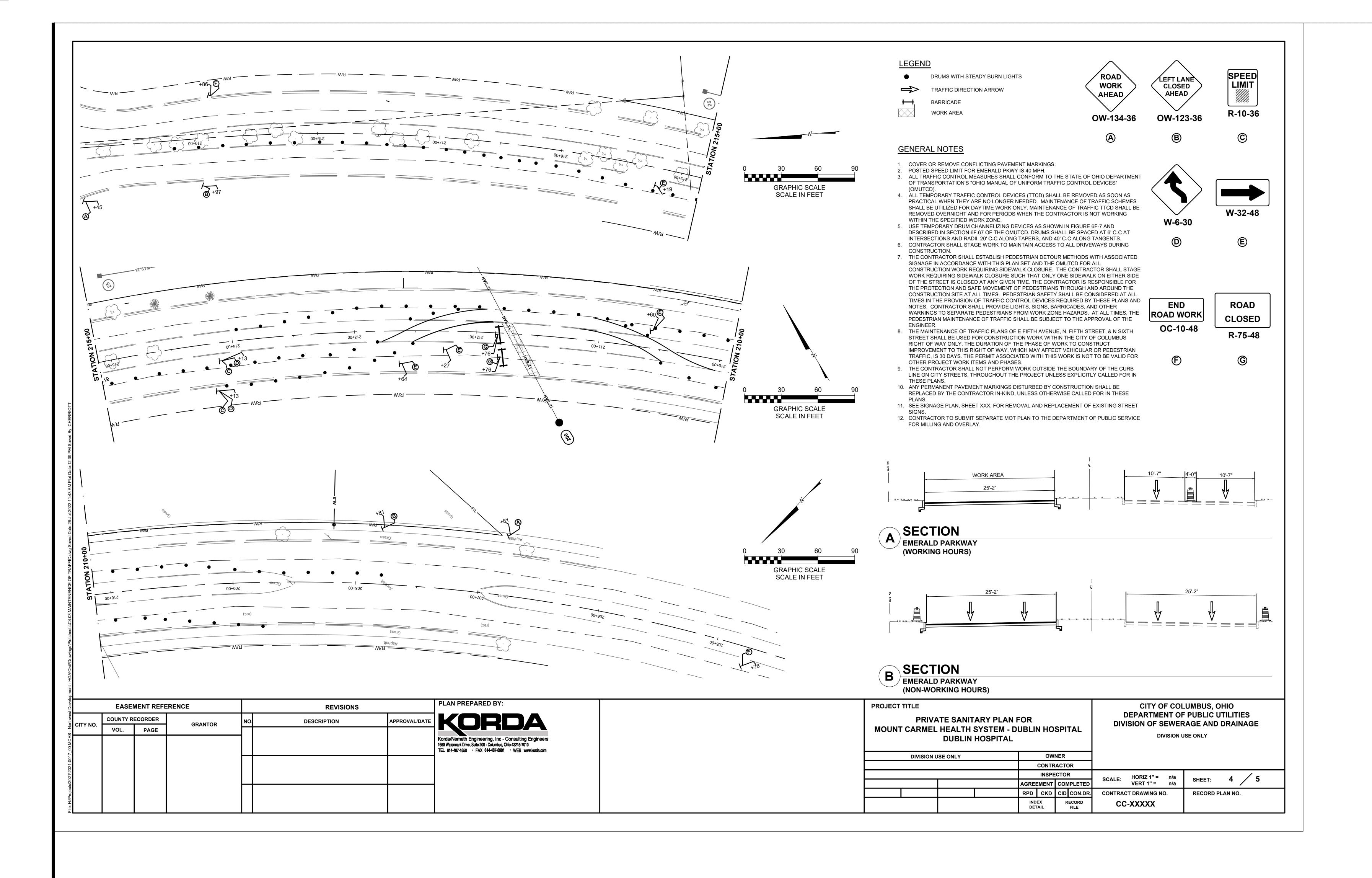
HGA NO: 1927-004-

PLAN & PROFILE

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C402



HGA

333 East Erie Street
Milwaukee, Wisconsin 53202

KORDA

Telephone 414.278.8200

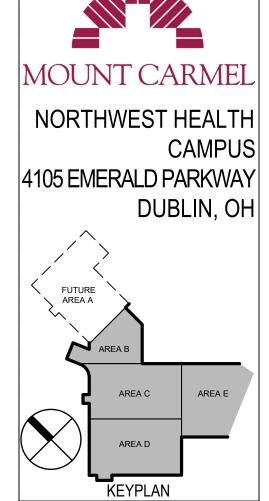
KORDA/NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
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NO DESCRIPTION DATE

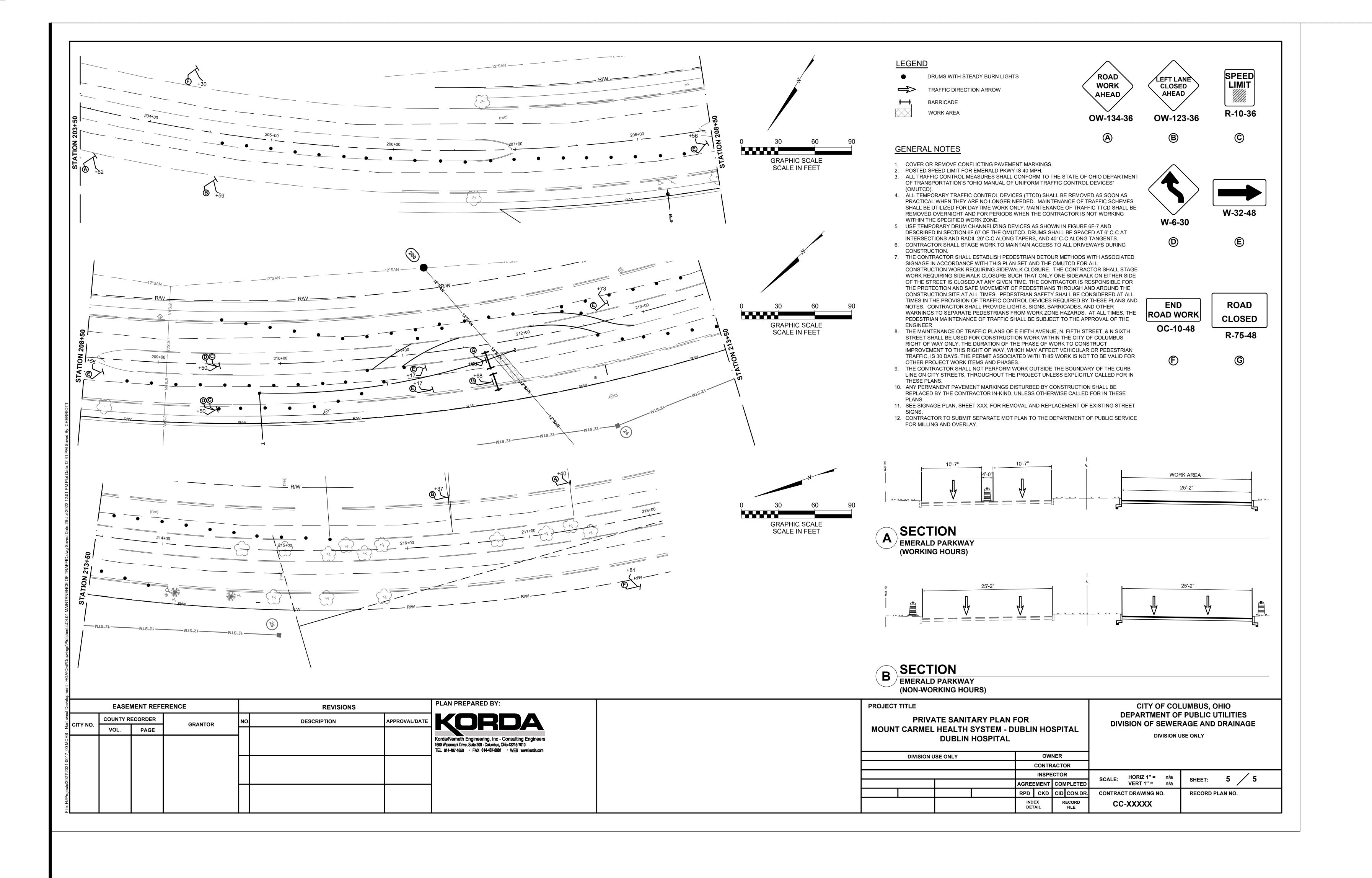
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HGA NO: 1927-004-00

MAINTANENCE OF TRAFFIC

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT



333 East Erie Street Milwaukee, Wisconsin 53202

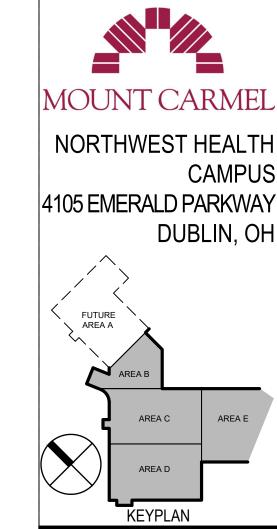
KORDA/NEMETH ENGINEERIN CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL/ TECHNOLOGY ENGINEER

Telephone 414.278.8200

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



ISSUANCE HISTORY - THIS SHEET

MAINTANENCE OF TRAFFIC

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C404

	CONSTRUCTION
SHEET INDEX:	DOCUMENTS:
TITLE SHEET 1	C500
GENERAL NOTES	C501
GENERAL SUMMARY 3	C502
TYPICAL SECTIONS4	C503
SEDIMENT & EROSION CONTROL PLAN 5	C504
EROSION CONTROL PLAN DETAILS 6	C505
PLAN AND PROFILE	C506
NTERSECTION AND CURB RAMP DETAILS 8	C507
MAINTENANCE OF TRAFFIC9	C508
PAVEMENT MARKING AND SIGNING	C509

BENCHMARKS

769816.363 | 1801643.266 | 892.21

770583.740 | 1802537.305 | 899.33

Square Chiseled on the northwesterly corner of the flag pole base at the Perry

Township Administrative complex. 'X' chiseled on the southerly rim of the sanitary manhole located on the westerly side of Emerald Parkway, approximately 215 feet south of Bright

Arrow chiseled on the northerly flange bolt of the fire hydrant on the south side of Bright Road, approximately 430 feet due West of Inverness Court.

5/8"x30" Iron Pin Set

5/8"x30" Iron Pin Set

5/8"x30" Iron Pin Set

5/8"x30" Iron Pin Set

5/8"x30" Iron Pin Found Mag Nail Set

5/8"x30" Iron Pin Set

Elevation

902.71

EMERALD PARKWAY IMPROVEMENTS

FOR MOUNT CARMEL NORTHWEST HEALTH **CAMPUS IMPROVEMENTS**



TECHNOLOGY ENGINEER 1650 WATERMARK DRIVE

333 East Erie Street Milwaukee, Wisconsin 53202

Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL

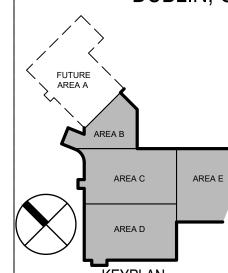
PLUMBING/STRUCTURAL

462 SOUTH LUDLOW ALLEY 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



_		
)	DESCRIPTION	DATE
T		

	EMERALD PKW	
FFS DR	B	SRIGHT RD CT
GRANDEE CLIFFS DR	PROJECT	AWMILL RD
	PROJECT LOCATION	
	INDEX MAP 1" = 500'	

	STANDAR	D CONSTRUC	CTION DRAWIN	IGS
С	ITY OF DUBL	IN	CITY OF COLUMBUS	ODOT
RD-11 1/1/2020	ST-03 1/1/2020	SA-01 1/1/2020	2000 3/30/2018	
SA-02 1/1/2020			AA-S102 12/6/13	



REGISTERED ENGINEER

SIGNATURES BELOW SIGNIFY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT ONLY AND DO NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL CIVIL ENGINEER PREPARING THE PLANS.

APPROVED:

DIRECTOR OF ENGINEERING/CITY ENGINEER

CITY OF DUBLIN, OHIO PAUL A. HAMMERSMITH, P.E.

DATE

EMERALD PARKWAY IMPROVMENTS TITLE SHEET

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

BEGINNING CONSTRUCTION.

SPECIFICATIONS:
CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, ALONG WITH CITY OF DUBLIN GENERAL CONDITIONS, DIVISION 100 SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THE PLANS UNLESS NOTED OTHERWISE. ITEM NUMBERS LISTED REFER TO CITY OF COLUMBUS ITEM NUMBERS UNLESS OTHERWISE NOTED.

THE CONTRACTOR INTENDING TO SUBMIT A BID FOR THIS PROJECT SHALL BE PER-QUALIFIED WITH THE OHIO DEPARTMENT OF TRANSPORTATION IN ACCORDANCE WITH SECTION 102 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND CHAPTER 5525 OF THE OHIO REVISED CODE CONCERNING CONSTRUCTION CONTRACTS

ALL ITEMS OF WORK CALLED OUT FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR WITH THE COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS RELATED ITEMS.

IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM THE CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR COMPLETION OF THE WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK, THOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, SUCH INCIDENTAL ITEMS AS SAW CUTTING AND REMOVAL AND/OR RELOCATION OF SIGNS, SPRINKLERS, OR OTHER MISCELLANEOUS ITEMS.

THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING IN WRITING AT LEAST 7 DAYS PRIOR TO

THE CITY IS RESPONSIBLE FOR OBTAINING AND PROVIDING TO THE CONTRACTOR ALL NECESSARY PERMITS.

ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER, CITY OF

THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES, AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AND OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.

PROPERTY BOUNDARIES, INCLUDING PROPERTY LINES AND ROAD RIGHT-OF-WAY, ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT NECESSARILY COMPLETE OR CORRECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINISHED WORK CONFORMING TO THE LINES, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR ON THE DRAWINGS AND TYPICAL SECTIONS.

NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION.

ALL NON-PAVEMENT AREAS DISTURBED WITHIN THE DESIGNATED EASEMENTS, RIGHTS-OF-WAY, AND LIMITS OF DISTURBANCE AS SHOWN, SHALL BE SEEDED AND STRAWED IN ACCORDANCE WITH ITEM 659 - SEEDING AND MULCHING, AS PER PLAN.

ALL AREAS DISTURBED OUTSIDE THESE LIMITS SHALL BE SEEDED AND STRAWED AT THE CONTRACTORS EXPENSE.

TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ABORIST. AT THE COMPLETION OF THE PROJECT, THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN BRANCHES AS NEEDED.

TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS, OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE DUBLIN CODE OF ORDINANCES. 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.

ALL SIGNS, LANDSCAPING, STRUCTURES, OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL FIELD TILE BROKEN OR ENCOUNTERED 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.

ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.

UNLESS INDICATED OTHERWISE ON THE PLAN DETAILS, BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, SHARED USE PATHS, ETC.) SHALL BE COMPACTED GRANULAR BACKFILL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR LOW STRENGTH MORTAR BACKFILL, TYPE 2 ACCORDING TO ITEM 613. ITEM 911 OF THE STANDARD SPECIFICATIONS SHALL BE USED ELSEWHERE.

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.

ITEM 201 - CLEARING AND GRUBBING

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER ITEM 201 - CLEARING AND GRUBBING. TREES WITH TRUNK DIAMETERS 12 INCHES AND LESS SHALL BE CONSIDERED BRUSH AND THEIR REMOVAL PAID UNDER ITEM 201 - CLEARING AND GRUBBING.

SEPARATE PAYMENT.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES STORM SEWER, DRAIN, AND DITCH FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PUT INTO SERVICE. THE FLOW OF ALL STORM SEWER, DRAINS, AND OTHER WATERCOURSES ENCOUNTERED AND DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION SATISFACTORY TO THE CITY ENGINEER.

WHERE THE WORK CALLS FOR RELOCATION OF EXISTING DITCHES OR STORM SEWER, THE CONTRACTOR SHALL REESTABLISH THE OUTLETS OF ALL PRIVATE DRAINS ENCOUNTERED; SUCH AS DOWNSPOUTS, FOUNDATION DRAINS, CATCH BASINS, YARD DRAINS, ETC., INTO THE NEAREST NEW DITCH OR STORM SEWER AS APPROVED BY THE ENGINEER. THE COST FOR REESTABLISHING PRIVATE DRAIN OUTLETS SHALL BE INCLUDED IN THE VARIOUS STORM SEWER ITEMS.

EXISTING STORM SEWER LOCATED WITHIN THE WORK LIMITS THAT IS TO REMAIN IN SERVICE HAS BEEN MARKED ON THE PLANS "TO REMAIN' OR 'DO NOT DISTURB". THE CONTRACTOR SHALL PROTECT THESE SEWERS AND THEIR ASSOCIATED STRUCTURES FROM DAMAGE DURING CONSTRUCTION. ALL OTHER EXISTING STORM SEWER PIPE, CATCH BASINS, AND INLETS LOCATED WITH IN THE CONSTRUCTION LIMITS NOT DESIGNATED TO REMAIN SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE APPLICABLE ITEM EXISTING HEADWALLS SHALL BE REMOVED AND DISPOSED OF AS INDICATED WITH NO

ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURER. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN PERFORMED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.

GENERAL NOTES

WHERE PLANS CALL FOR CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES FOR BOTH LINE AND GRADE PRIOR TO START OF

CROSSING AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS CALL FOR CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES AND UTILITIES FOR BOTH LINE AND GRADE PRIOR TO START OF PIPE LAYING.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT OR EXISTING APPURTENANCE TO BE CONNECTED DIFFERS FROM THE PLAN ELEVATION, THE CITY ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT A PROPOSED CONDUIT WILL CONFLICT WITH AN EXISTING SEWER OR UNDERGROUND UTILITY WHEN CONSTRUCTED AS SHOWN ON THE PLAN, THE CITY ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION ON ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE CONFLICT.

PAYMENT FOR DETERMINATION OF LIEN AND GRADE OF EXISTING UTILITIES AS REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT CONTRACT ITEMS.

EROSION AND SEDIMENT CONTROL

PIPE LAYING.

A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA, ITEM 207 OF CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND THE CITY ENGINEER.

SEEDING AND MULCHING TO BE PER COLUMBUS C&MS ITEM 659, CLASS 1 EXCEPT FOR THE SEED SPECIFICATION AS FOLLOWS:

GRASS SEED MUST BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE A.O.S.A. "JOURNAL OF SEED TECHNOLOGY" RULES FOR TESTING SEED FOR PURITY AND GERMINATION TOLERANCES.

SEED SPECIES SHALL BE AS FOLLOWS, WITH NOT LESS THAN 90 PERCENT GERMINATION, NOT LESS THAN 98 PERCENT PURE SEED, AND NOT MORE THAN 0.5 PERCENT WEED SEED.

SUN AND PARTIAL SHADE MIXTURE PROPORTIONED BY WEIGHT A FOLLOWS:

1. 50 PERCENT KENTUCKY BLUEGRASS (POA PRATENSIS, MINIMUM OF TWO "IMPROVED" CULTIVARS. 2. 50 PERCENT PERENNIAL RYEGRASS (LOIUM PERENNE).

ITEM 653 - 3" TOPSOIL FURNISHED AND PLACED, AS PER PLAN

A MINIMUM 3 INCHES OF TOPSOIL SHALL BE PLACED IN ALL AREAS TO BE SEEDED. PRIOR TO PLACING TOPSOIL IN CUT AREAS, THE EARTH SHALL BE EXCAVATED TO A DEPTH SUFFICIENT TO PLACE 3 INCHES OF TOPSOIL. THE COST OF EXCAVATION AND DISPOSAL OF SURPLUS MATERIALS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONTRACT ITEMS.

TOPSOIL SHALL BE REMOVED AND WASTED OR UTILIZED IN NON-LOAD BEARING FILLS IN ACCORDANCE WITH THE SPECIFICATIONS. NO EXTRA COMPENSATION SHALL BE PAID FOR THE REMOVAL OF EXCESS TOPSOIL AS REQUIRED TO OBTAIN A SUITABLE SUBGRADE.

ALL TOPSOIL MATERIALS AND FINAL AREA OF SUBGRADE PREPARATION SHALL BE FREE FROM ROCK AND OTHER FOREIGN MATERIALS OF 1/2" OR GREATER IN ANY DIMESNION. TOPSOIL REMOVED ON SITE CAN BE REUSED FOR ITEM 653 - TOPSOIL FURNISHED AND PLACED, AS PER PLAN, IF SUITABLE AS APPROVED BY THE ENGINEER.

THE COST OF SAW CUTTING FOR THE REMOVAL OF PAVEMENT, CURB, WALKS, ETC. SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM 202 WORK. SAW CUTTING IS REQUIRED TO PROVIDE SMOOTH, STRAIGHT EDGES FOR REMOVAL PURPOSES.

UTILITIES KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION:

3550 JOHNNY APPLESEED CT

700 MORRISON ROAD

3760 INTERCHANGE ROAD DIVISION OF ENGINEERING 3RD FLOOR COLUMBUS, OHIO 43204 6555 SHIER RINGS RD GAHANNA, OHIO 43230 TEL: 614-481-5262 **DUBLIN, OH 43016** TEL: 614-883-6831 CELL: 614-975-7468 TEL: 614-410-4740 CELL:614-949-8883 CONTACT: DAVID HOLSTEIN CONTACT: PAUL PAXTON

COLUMBIA GAS

SPECTRUM

AT&T (CABLE) 111 N 4TH STEET SUITE 802 COLUMBUS, OHIO 43215 TEL: 614-223-7162 CONTACT: ROGER MIKESELL

WIDE OPEN WEST

TEL: 614-749-2225

3675 CORPORATE DRIVE

CONTACT: STEVEN CALLAHAN

COLUMBUS, OHIO 43231

COLUMBUS, OHIO 43231 TEL: 614-818-2113 CELL: 614-315-3770 CONTACT: MATT MYERS AT&T (CONDUIT) 111 N. 4TH STREET

CONTACT: JOE TEPPER CITY OF COLUMBUS DIVISION OF WATER SUITE 802 910 DUBLIN ROAD COLUMBUS, OHIO 43215 2ND FLOOR COLUMBUS, OHIO 43215 614-223-7276 CONTACT: GARY VAN ALMSICK

CITY OF DUBLIN

TEAM FISHEL

1600 WALCUTT RD

TEL: 614-921-4616

TEL: 614-645-7677

CELL: 614-323-8079

COLUMBUS, OH 43228

DUBLIN DEVELOPMENTS CENTURY LINK 1810 ARLINGTON LANE 250 W. OLD WILSON BRIDGE, SUITE 130 COLUMBUS, OHIO 43228 WORTHINGTON, OH 43085 RELOCATIONS@CENTURYLINK.COM TEL: 614-274-8100 CONTACT: DEAN PENCE

THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800-362-2764), PRODUCER'S UNDERGROUND PROTECTION SERVICE (TELEPHONE NUMBER 614-587-0486), 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 START OF CONSTRUCTION.

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN, CITY ENGINEER, AND THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER.

THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE PROXIMITY OF EXISTING AND/OR RELOCATED UTILITY FACILITIES. COSTS TO EXPOSE CONDUIT SHALL BE INCLUDED IN THE ITEMS OF WORK AFFECTED. THE CONTRACTOR IS REMINDED TO KEEP THEIR OUPS TICKET UPDATED ACCORDING TO INDUSTRY PRACTICES.

THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR THE EXISTING OVERHEAD UTILITY LINES. CONTRACTOR SHALL CONTACT AND COORDINATE DIRECTLY WITH THE UTILITY COMPANIES DIRECTED AS NEEDED DURING CONSTRUCTION AND SHALL MAINTAIN APPROPRIATE OSHA AND NESC CLEARANCES, INCLUDING AND NECESSARY ENGINEERING CONTROLS.

THE CONTRACTOR SHALL DEFINE THE LIMITS OF ANY WEAK SOILS ENCOUNTERED BY PROOF ROLLING. WHERE SOFT SUBGRADE IS ENCOUNTERED IN CUTS, DUE TO NO FAULT OF THE CONTRACTOR, AND SATISFACTORY COMPACTION CANNOT BE OBTAINED, THE UNSTABLE MATERIAL SHALL BE REMOVED AND REPLACED PER CMSC 204.04.

ITEM 203 - EXCAVATION, AS PER PLAN ITEM 203 - EMBANKMENT, AS PER PLAN

THE EXCAVATION OF ASPHALT PAVEMENT, GRAVEL BASE, ASPHALT CURB, TOPSOIL OR UNSUITABLE MATERIALS NOT OTHERWISE ITEMIZED ON THIS PROJECT ARE INCLUDED WITHIN ITEM 203 - EXCAVATION, AS PER PLAN QUANTITIES . ALL MATERIAL EXCAVATED FOR CONSTRUCTION INCLUDING TOPSOIL AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF UNLESS OTHERWISE APPROVED BY THE CITY.

ALL SOIL STOCKPILES INCLUDING TRENCH EXCAVATION STOCKPILES, SHALL BE PROTECTED FROM EROSION.

ALL MATERIAL TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS.

PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES TO THE FULL DEPTH OF PAVEMENT, OR AS REQUIRED BY THE CITY

BUTT JOINTS BETWEEN EXISTING AND NEW PAVEMENT SHALL BE MADE IN ACCORDANCE WITH ODOT STD. CONSTRUCTION DWG

THE CONTRACTOR SHALL NOT USE ANY RECLAIMED MATERIALS IN ITEM 304 - 6" AGGREGATE BASE.

TREE PRESERVATION AND SITE CLEARING

ALL TREES WITHIN THE CONSTRUCTION AREA NOT DESIGNATED FOR REMOVAL, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE PRESERVED WITHOUT TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY TREE PROTECTION FENCING PRIOR TO CONSTRUCTION. THE CITY RESERVES THE RIGHT TO DIRECT THE CONTRACTOR TO INSTALL ADDITIONAL FENCING IN AREAS WHERE TREES COULD BE DAMAGED DURING CONSTRUCTION.

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

REQUIRES A LANE RESTRICTION WILL BE IN ACCORDANCE WITH ITEM 614 - MAINTENANCE OF TRAFFIC, AS PER PLAN, PERMISSION TO WORK ON SUNDAYS AND HOLIDAYS MUST BE REQUESTED IN WRITING AND APPROVED BY THE CITY ENGINEER.

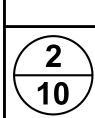
THE CONTRACTOR'S CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED SO AS TO ELIMINATE ALL UNNECESSARY NOISE, DUST,

HE CONTRACTOR IS PERMITTED TO WORK BETWEEN 7:00 AM AND 7:00 PM, MONDAY THROUGH SATURDAY. ANY WORK WHICH

AND ODORS. THE USE OF OIL OR OTHER MATERIALS FOR DUST CONTROL, WHICH MAY CAUSE TRACKING, IS PROHIBITED.

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK SHOWN, LABELED, OR LISTED AS 'CONTINGENCY' OR REFERENCED BY PLAN NOTE TO BE USED 'AS DIRECTED BY THE ENGINEER', UNLESS AUTHORIZED BY THE ENGINEER, OR A REPRESENTATIVE OF THE CITY OF DUBLIN.

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333 East Erie Street Milwaukee, Wisconsin 53202

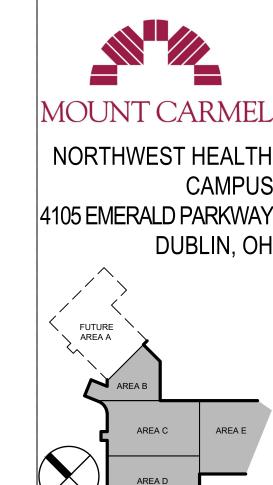
CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL **TECHNOLOGY ENGINEER**

Telephone 414.278.8200

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL



^NO DESCRIPTION DATE

KEYPLAN

ISSUANCE HISTORY - THIS SHEET

GENERAL NOTES

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT C501

SHEET N	IUMBER	ITEM	GRAND	UNIT	ITEM DESCRIPTION
5	7	11.5.	TOTAL		TEM BESCHI TICK
9		201	9	EA	TREE REMOVED
2950		202	2950	SF	ASPHALT PAVEMENT REMOVAL
220		202	220	LF	CURB AND GUTTER REMOVED
4		207	4	EA	INLET PROTECTION
434		207	434	LF	SILT FENCE
	186	301	186	CY	ASPHALT CONCRETE BASE
	107	304	107	CY	AGGREGATE BASE
	95	407	95	GAL	TACK COAT
	30	441	30	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE I (448) PG64-22
	43	441	43	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I (448)
	510	609	510	LF	COMBINATION CURB AND GUTTER, TYPE STANDARD
	98	609	98	LF	18" STRAIGHT CONCRETE CURB
					INCIDENTALS
		614	1	LUMP	MAINTAINING TRAFFIC

ROW GENERAL SUMMARY

EMERALD PARKWAY
FROM A POINT 390' NORTH OF 1-270 RD
TO A POINT 904' SOUTH OF BRIGHT RD

3

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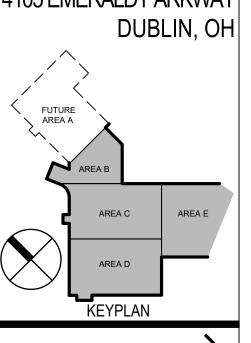
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VIKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

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HGA NO: 1927-004-00

GENERAL SUMMARY

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN

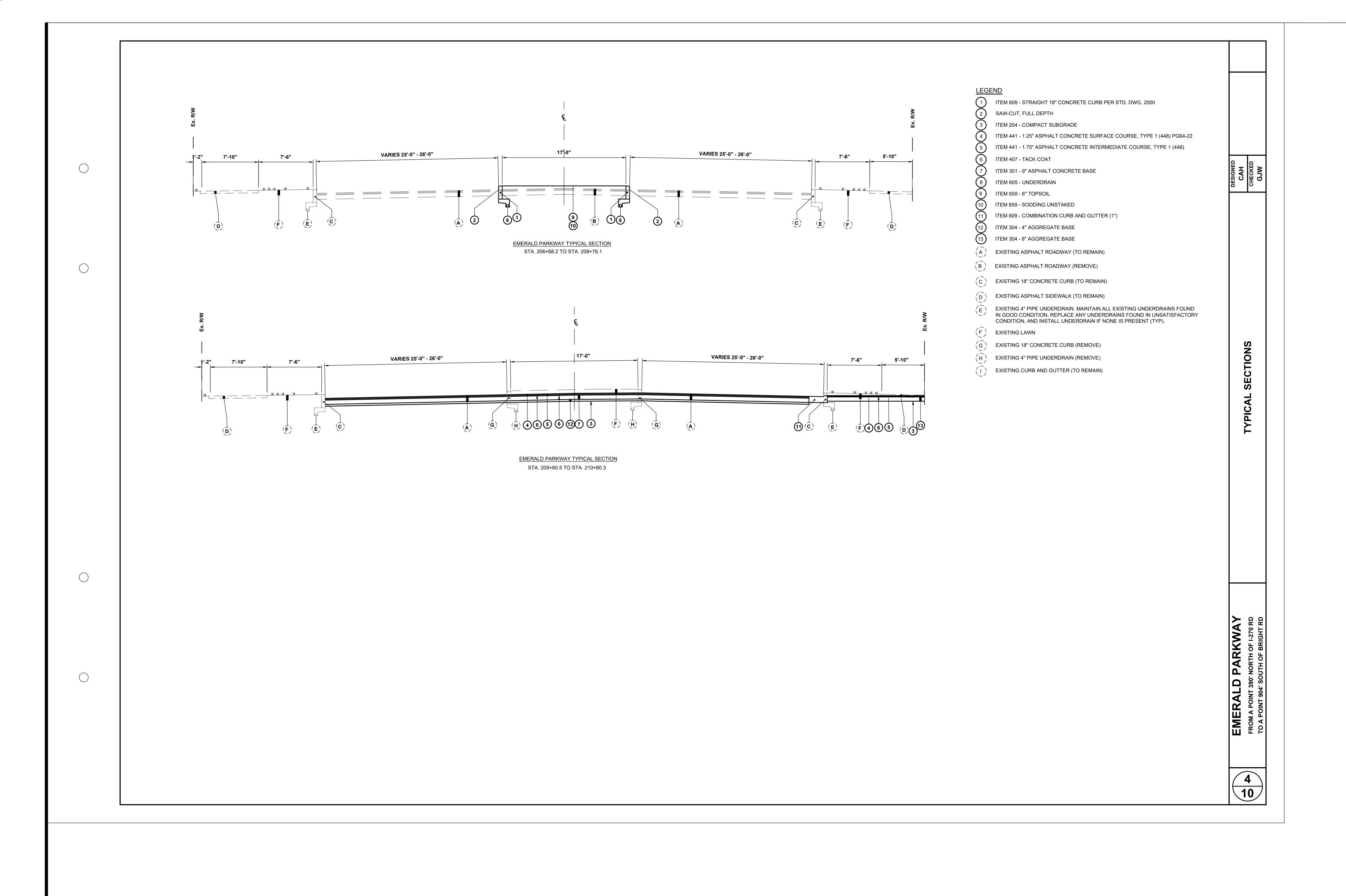
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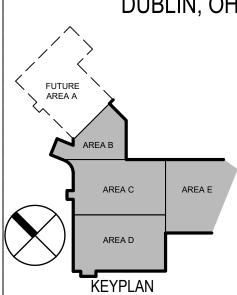
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NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



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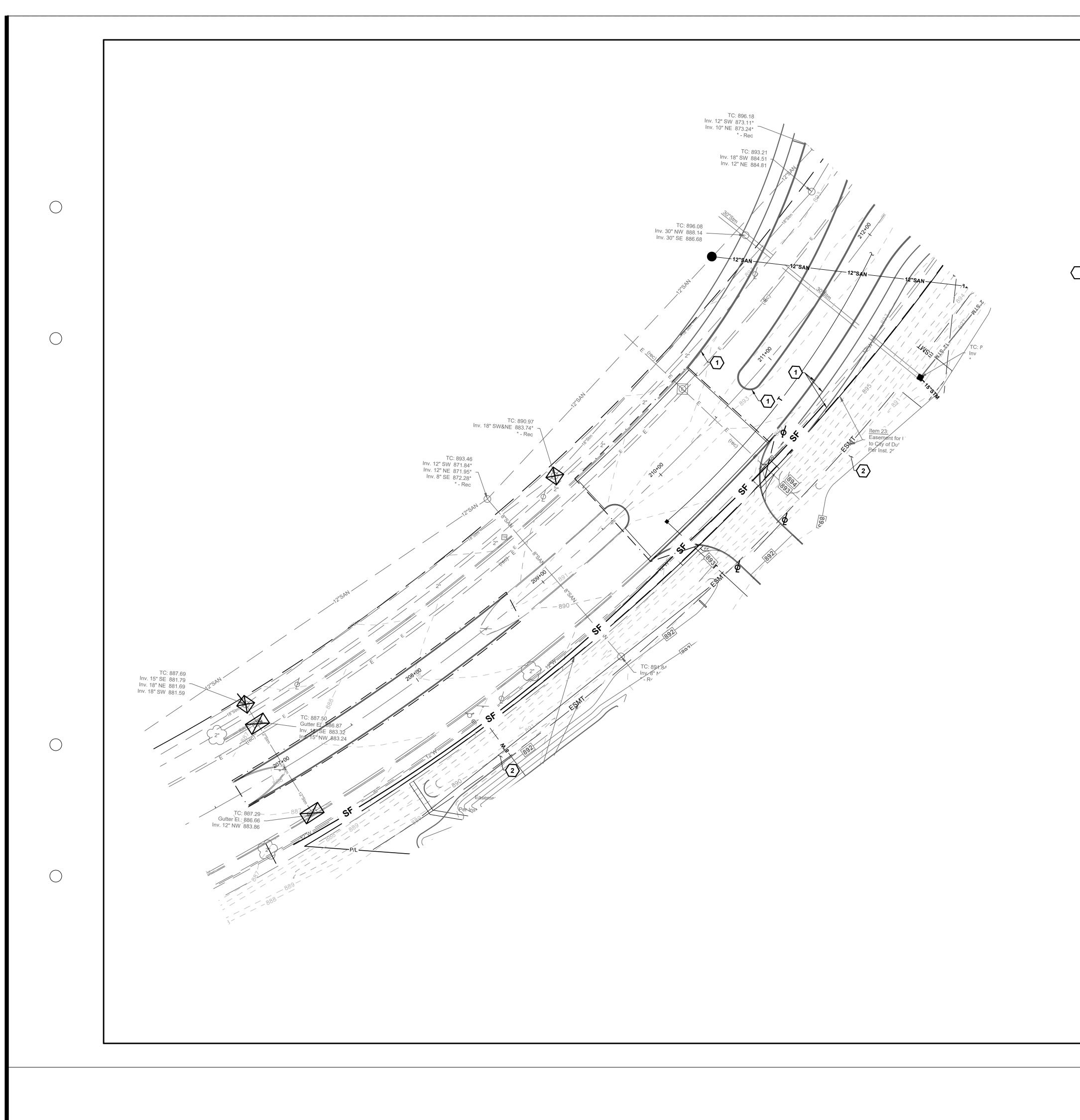
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HGA NO: 1927-004-00

TYPICAL SECTIONS

DATE: SEPTEMBER 6, 2022

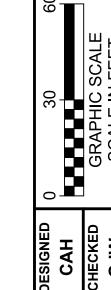
FINAL DEVELOPMENT
PLAN



EROSION AND SEDIMENT CONTROL LEGEND

PROPOSED

800 INDEX CONTOUR —— INTERMEDIATE CONTOUR STORM SEWER — — · — — · — GRADING/SEEDING LIMITS SILT FENCE PER DETAIL A/5 (C505) INLET FILTER PER DETAIL C/5 (C505)



CODED NOTES

1. ROUNDABOUT AND ASSOCIATED INFRASTRUCTURE BY OTHERS. REFER TO CITY OF DUBLIN CAPITAL IMPROVEMENTS PROJECT. 2. COORDINATE R/W SEDIMENT AND EROSION CONTROL WITH PRIVATE SITE EROSION CONTROL. REFER TO SHEETS C2.18-C2.20.

GENERAL NOTES

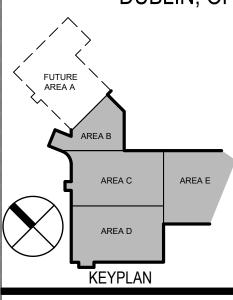
- 1. A DETAILED TEMPORARY AND PERMANENT EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL BEFORE CONSTRUCTION IF ONE IS NOT INCLUDED IN THE PLANS. THE DESIGNS OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA , ITEM 207 OF CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS, AND THE CITY ENGINEER. THE CONTRACTOR SHALL BE CONSIDERED THE DEVELOPER OF THE STORMWATER DISCHARGE.
- 2. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE CHANNELIZED WATER LEAVES THE PROJECT, INCLUDING WATERWAYS AND STORM SEWERS, WHETHER SPECIFICALLY SHOWN ON THE PLANS OR NOT.
- 3. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: MULCHING, SEDIMENT FILTERS, SILT FILTER FENCE, ROCK CHECK DAMS, AND TEMPORARY GROUND COVER.
- 4. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- 5. DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 45 DAYS OR MORE SHALL BE SEEDED WITHIN 7 CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
- 6. ALL DENUDED AREAS INCLUDING STOCKPILED TOPSOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY SEEDING, OR COVERED WITH ANCHOR STRAW MULCH.
- 7. FINAL GRADING WILL BE CONSISTENT WITH PRECONSTRUCTION TOPOGRAPHY TO MAINTAIN DRAINAGE AND AESTHETICS.
- 8. REMOVE ONLY THE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED TO PERMIT ACTUAL CONSTRUCTION. PROTECT THE REMAINING TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE.
- 9. BACKFILL TRENCHES IMMEDIATELY AFTER USE. SEED AND MULCH TRENCH AREA WITHIN 2 WEEKS AFTER AREA OR SECTION HAS BEEN OPENED.
- 10. SETTLING FACILITIES, SEDIMENT FILTERS, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEPOF GRADING OR CONSTRUCTION AND WITHIN 7 DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE AREA IS RESTABILIZED.
- 11. STORM WATER INLET PROTECTION ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE PROJECT AREA SHALL BE PROTECTED SO THAT THE SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SEWER SYSTEM DRAINS TO A SETTLING FACILITY. THESE CONTROLS SHALL BE SELECTED AND LOCATED AS INDICATED IN THE PLANS AND AS DIRECTED BY THE CITY ENGINEER.
- 12. WORKING IN OR CROSSING STREAMS STREAMS INCLUDING BED AND BANKS SHALL BE RESTABILIZED IMMEDIATELY AFTER IN-CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED. TO THE EXTENT PRACTICABLE, CONSTRUCTION VEHICLES SHALL BE KEPT OUT OF STREAMS. WHERE IN-CHANNEL WORK IS NECESSARY, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION. WHERE A STREAM MUST BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CULVERT SHALL BE PROVIDED.
- 13. CONSTRUCTION ACCESS ROUTES MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS ELIMINATED.
- 14. SLOUGHING AND DUMPING NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE CITY ENGINEER. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED, OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE, OR ADEQUATELY ADDRESS THE PROBLEMS.
- 15. MAINTENANCE AND INSPECTION ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND INSPECTION OF ALL EROSION/SEDIMENT CONTROL DEVICES REQUIRED BY THE CITY ENGINEER SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE CITY ENGINEER, ONCE EVERY 7 CALENDAR DAYS AND/OR WITHIN 24 HOURS AFTER A RAIN EVENT OF GREATER THAN 0.5 INCHES IN A 24-HOUR PERIOD. THESE INSPECTIONS SHALL IDENTIFY AREAS CONTRIBUTING TO STORMWATER DISCHARGES ASSOCIATED WITH THE PROJECT; EVALUATE THE ADEQUACY. IMPLEMENTATION, AND MAINTENANCE OF EXISTING AND PROPOSED EROSION/SEDIMENTATION MEASURES; AND DETERMINE WHETHER ADDITIONAL MEASURES ARE REQUIRED. ACCEPTABLE INSPECTION REPORTS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE CITY ENGINEER WITHIN 48 HOURS OF INSPECTION COMPLETION. THE REPORT SHALL CONTAIN THE RESULTS OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, A CERTIFICATION THAT THE FACULTY IS IN COMPLIENCE WITH THE PLAN, AND IDENTIFYING ANY INCIDENTS OF NONCOMPLIANCE.
- 16. OUTFLOWS FROM DEWATERING OPERATIONS ALL WATER PRODUCED FROM CLEANING AND DEWATERING OPERATIONS, WHETHER SPECIFICALLY FROM TRENCH DEWATERING OPERATIONS OR FROM MORE EXTENSIVE DEWATERING OPERATIONS, SHALL BE DISCHARGED IN SUCH A MANNER AS TO ELIMINATE EROSION FROM SUCH DISCHARGE.
- 17. ADDITIONAL CONTROLS THE CONTRACTOR SHALL ENSURE THAT NO SEDIMENTS ARE TRACKED OFF-SITE BY CONSTRUCTION EQUIPMENT, VEHICLES, AND WORKERS. THE CONTRACTOR SHALL ALSO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO ANY STORMWATER FLOW.
- 18. TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AVAILABILITY AND UPDATES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE THE IMMEDIATE AVAILABILITY OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN ON-SITE. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE TO PERFORM ALL UPDATES AND ADJUSTMENTS TO THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN.

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MOUNT CARMEL

MOUNT CARMEL NORTHWEST HEALTH 4105 EMERALD PARKWAY



∧NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

SEDIMENT & **EROSION CONTROL PLAN**

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

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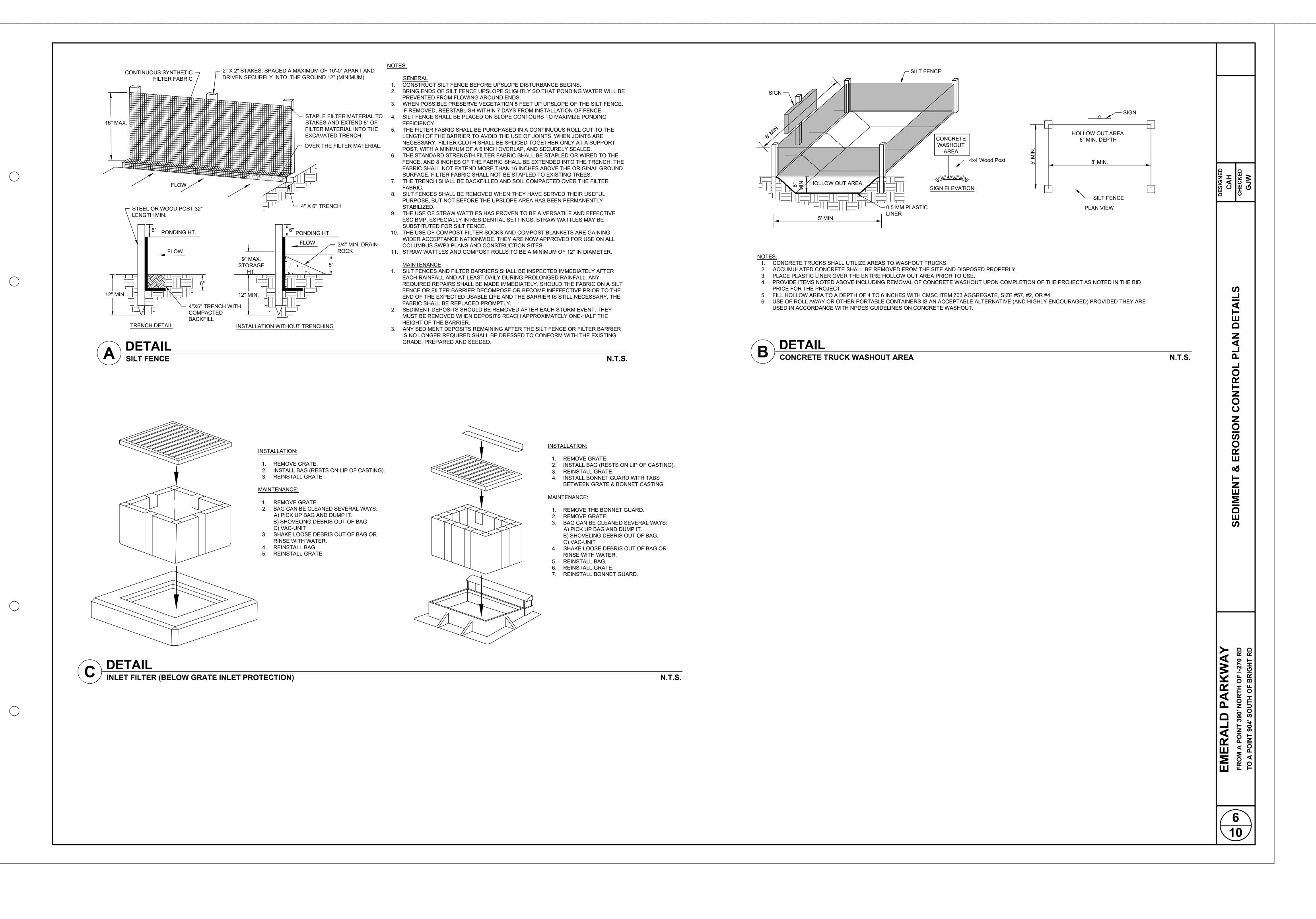
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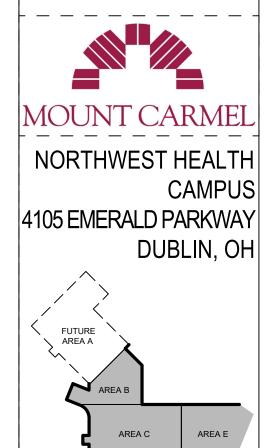
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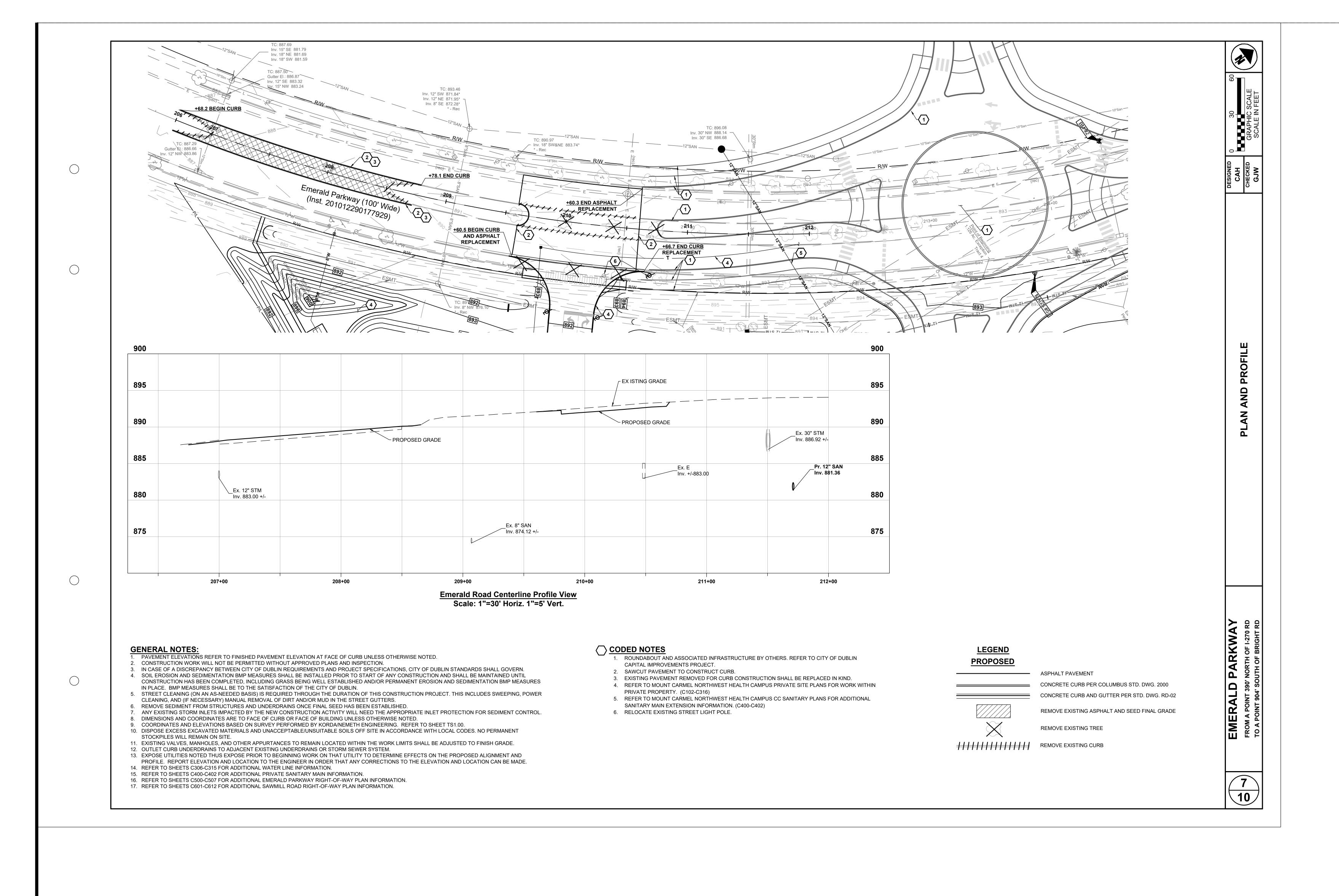
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EROSION CONTROL PLAN DETAILS

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C505



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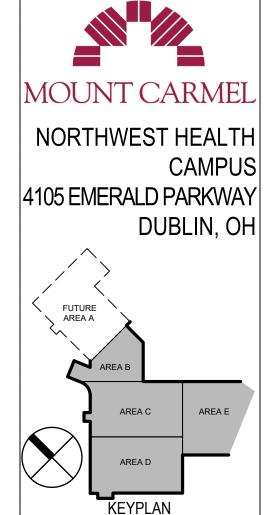
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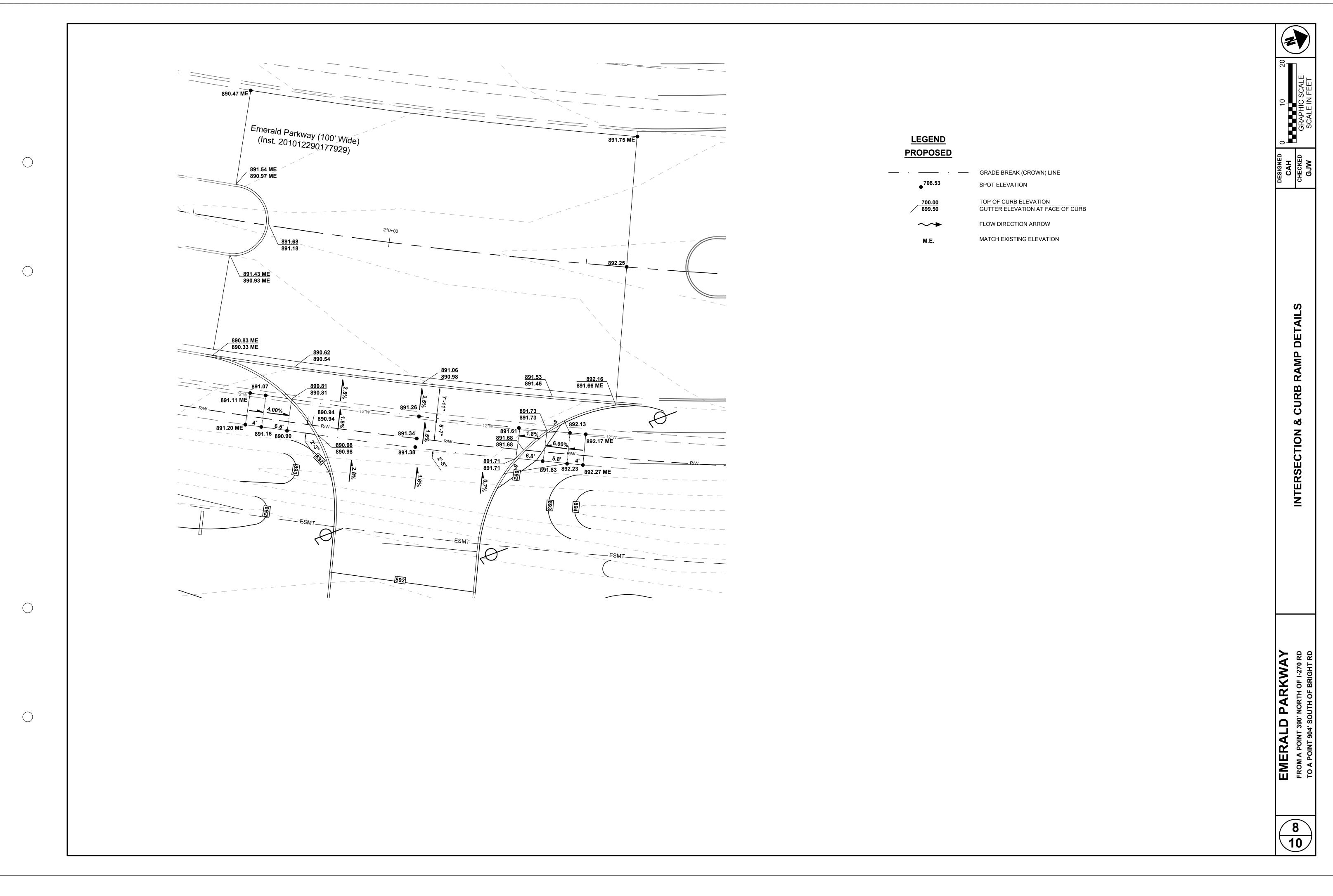
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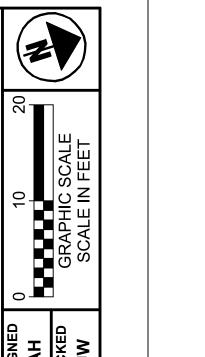
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PLAN AND PROFILE

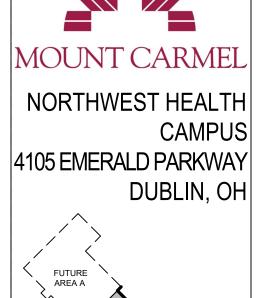
DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN





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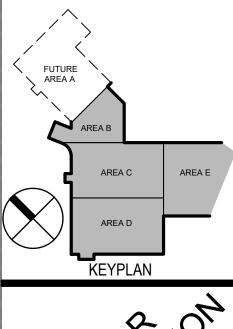
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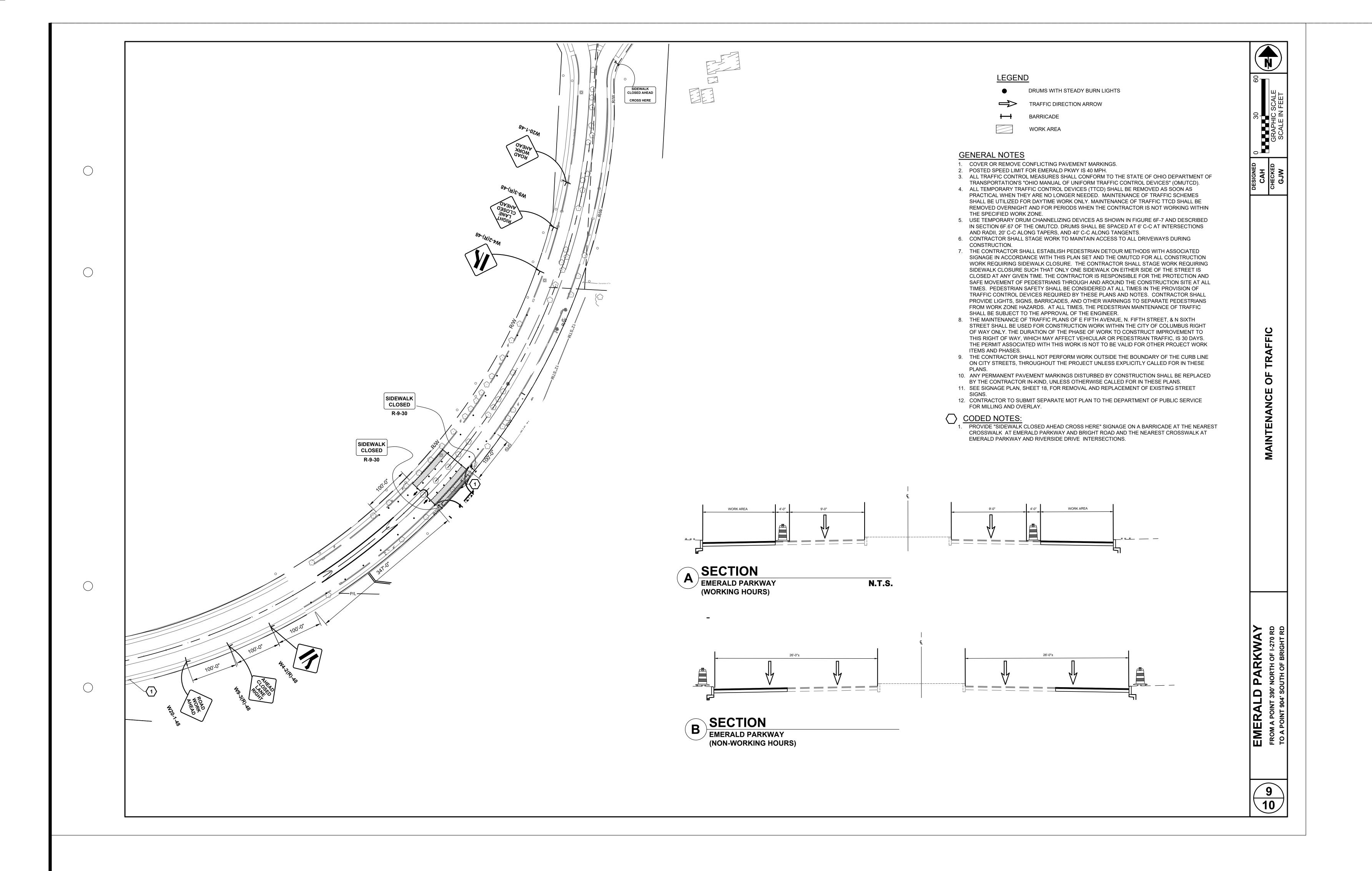
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INTERSECTION AND CURB RAMP **DETAILS**

DATE: SEPTEMBER 6, 2022

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DUBLIN, OH

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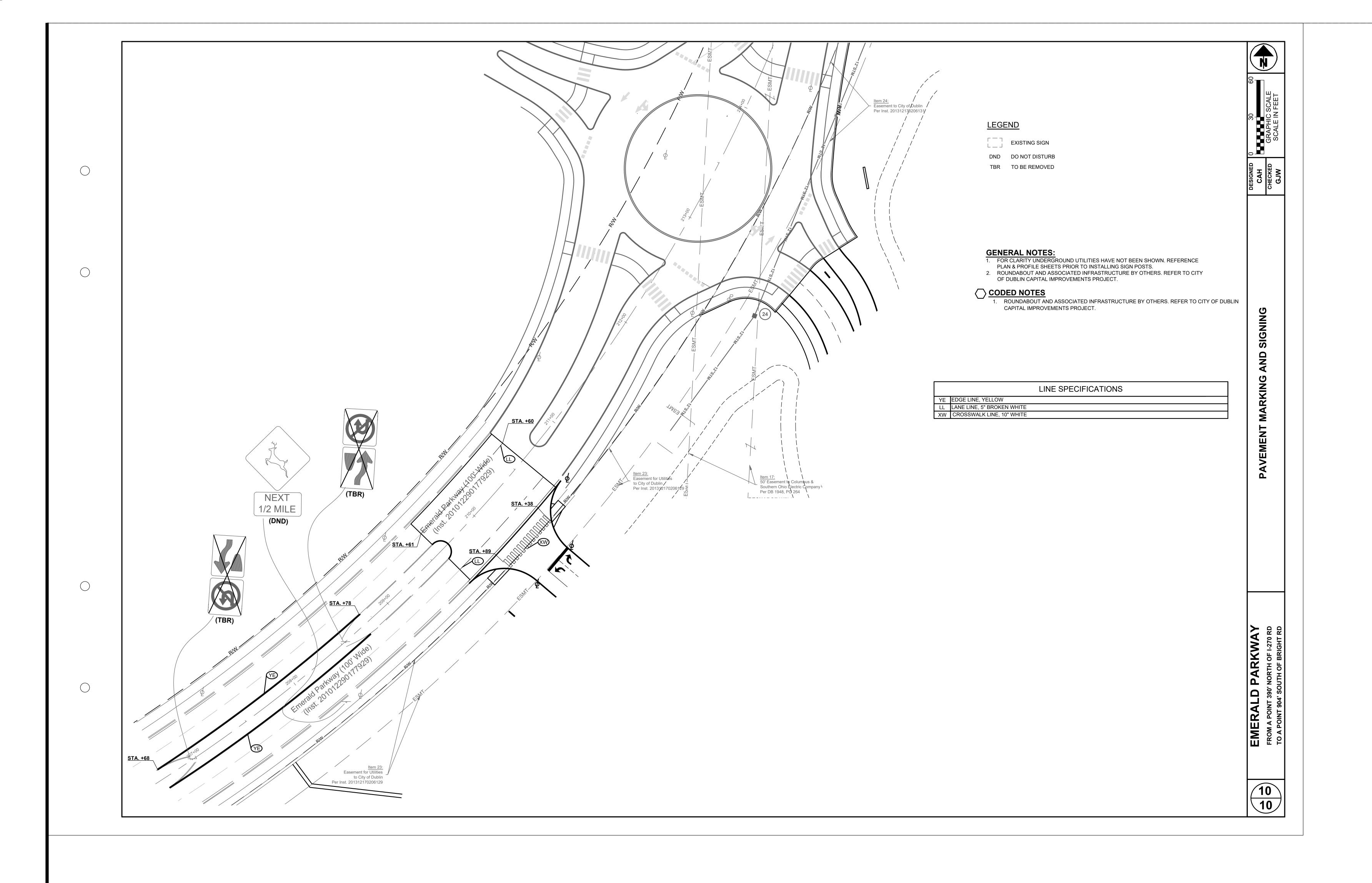
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DATE: SEPTEMBER 6, 2022

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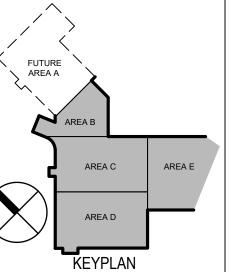
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NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



MOTRUCTION

NO DESCRIPTION DATE

HGA NO: 1927-004-00

PAVEMENT MARKING AND SIGNING

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
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MOUNT CARMEL HEALTH



NO DESCRIPTION DATE

DATE: SEPTEMBER 6, 202



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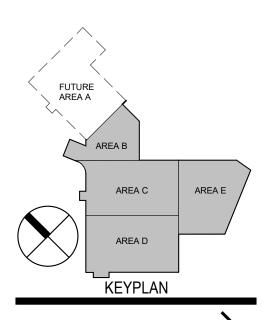
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MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM

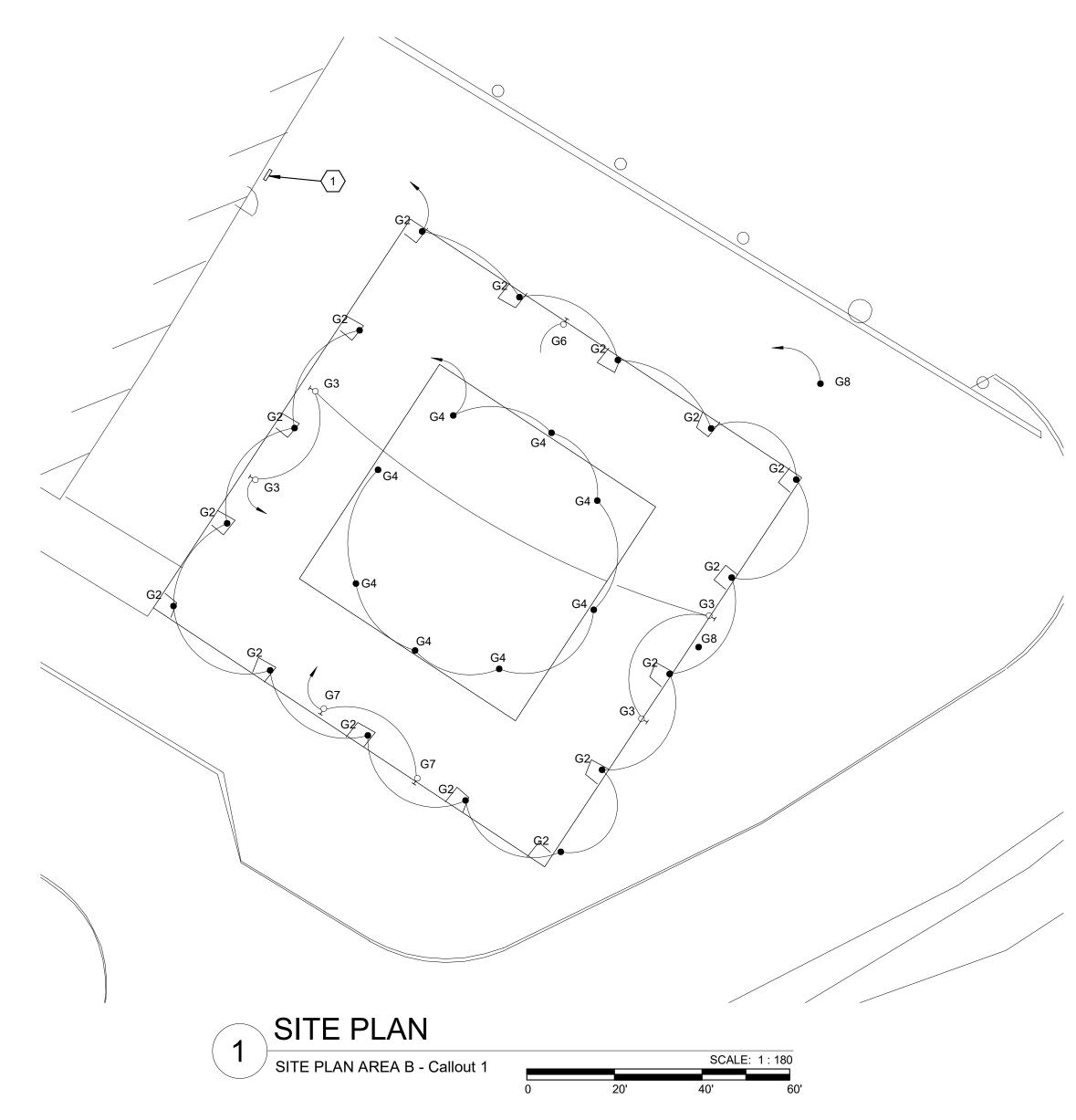




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\triangle NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

FINAL DEVELOPMENT PLAN



									1 1 18	IINAIRE	SCHED					
					B: BOLLARD C: CEILING	CV: C0	OVE G	: GROUND	H: HANDRAIL	P: POLE F	R: RECESSED	S: SUSPENDED	T: TABLE UC: UNDE	ERCABINET W: WALL	X: UNIVER	SAL SAL
TIAL MO	DEL NUMBERS MAY BE S	SHOWN AND ARE INTEN	DED TO INDICATE ACCEPTABLE MANUFA	ACTURER'S PRODUCT LINE. EXA	CT MODEL NUMBERS MEETING THE FIXTU	URE DESCRII	PTION SHALL	BE OBTAINED F	FROM THE MANUFA	CTURER'S AGENTS. A	ALL FIXTURES MAY N	OT BE USED - REFER	TO PLANS. DIMENSIONS MA	Y VARY. REFER TO THE SPEC	CIFICATIONS SEC	TIONS 26 51 13 FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR FIXTURES CIRCUITED AND CONTROL.
TAG	MANUFACTURER	SERIES	MODEL	DIMENSIONS (W X L X D)	DESCRIPTION	SOURCE	VOLTAGE	WATTAGE	COLOR TEMP	LUMENS	DIMMING	HOUSING	MOUNTING	LENS	FINISH/TRIM	OPTIONS APPROVED MANUFACTURERS
B1	DESIGNPLAN	PERISCOPE 3	601606P-30K-ASM-XX	(7" 3/32 X 7" 3/32 X 39" 3/8)	BOLLARD	LED	277V	14	3000K	41 L/WATT		DIE-CAST ALUMINUM	BOLLARD		TBD	NLS
P1	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	DOUBLE HEAD AREA LIGHT - TYPE 3 &	LED	480V	266 W	3500K	18186 LM	SEE OPTIONS	DIE-CAST	POLE MOUNTED	TYPE 3 DISTRIBUTION	TBD	DOUBLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS.
P2	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	TYPE 4 SINGLE HEAD AREA LIGHT - TYPE 2	LED	480V	133 W	3500K	18806 LM	SEE OPTIONS	ALUMINUM DIE-CAST	POLE MOUNTED	TYPE 2 DISTRIBUTION	TBD	BANNER ARMS. SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS.
93	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 3	LED	480V	133 W	3500K	18186 LM	SEE OPTIONS	ALUMINUM DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 3 DISTRIBUTION	TBD	BANNER ARMS. SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
P4	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 4	LED	480V	133 W	3500K	18886 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 4 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
4A	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	DOUBLE HEAD AREA LIGHT - TYPE 4	LED	480V	266 w	3500K	18886 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 3 & TYPE 4 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
P5	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 2	LED	480V	74 W	3500K	10755 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 2 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
P6	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 3	LED	480V	74 W	3500K	10401 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 3 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
7	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 4	LED	480V	74 W	3500K	10789 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 4 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
7A	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	DOUBLE HEAD AREA LIGHT - TYPE T4	LED	480V	148 W	3500K	4070 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE T4 DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
8	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE T2S	LED	480V	36 W	3500K	4070 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE T2S DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.
9	POINT LIGHTING		POL-21005-1B-R-34-B5	(8.6" X 6" X 5")	OBSTRUCTION LIGHT	LED	277V	7 W	RED			DIE-CAST ALUMINUM	POLE/ROOF	GLASS	TBD	COORDINATE FINISH WITH POLE FINISH.
10	POLE LED				POLE MOUNTED FLAG LIGHT	LED	277V	15 W	3500K							
11	PINNACLE	MOFFAT	MW-WHE-35-WH	(3 1/4" X 3 7/16" X 36")	LINEAR LED	LED	UNV	3.3 W/FT	3500K	107 LM/FT	FIXED OUTPUT	EXTRUDED ALUMINUM	TOP OF SIGN	ASYMETRIC		COORDINATE MOUNTING METHOD WITH SIGN SUPPLIER. COLOR SELECTED BY ARCHITECT.
POLE	GARDCO	SSA	5"	(27' X 5")	AREA LIGHT POLE - TYPES P1 - P4							EXTRUDED ALUMINUM	GROUND MOUNT		TBD	PROVIDE HEAD DRILLING PER FIXTURE HEAD TYPE DESCRIPTION, BANNER ARMS.
POLE	GARDCO	SSA	4"	(16' X 4")	AREA LIGHT POLE - TYPES P5 - P7							EXTRUDED ALUMINUM	GROUND MOUNT		TBD	PROVIDE HEAD DRILLING PER FIXTURE HEAD TYPE DESCRIPTION, BANNER ARMS.
 31	HADCO	FLEXSCACPE	B9-DWXXSP1	6" X 10"	TREE UPLIGHT	LED	277V	19 W	3000K	2000 LM	FIXED OUTPUT	DIE-CAST	GROUND MOUNT		DARK BRONZI	E MOUNT TO AN ARLINGTON GPD19B DARK BRONZE PEDESTAL WITH WP-GFI OUTLET HADCO
G2	POINT LIGHTING	I ELXOOAOI E	PRL-97004-1C-G-PLS-NC-VB	(8" Φ X 5" DP)	FATO PERIMETER LIGHT	LED	120V	3.5 W	3500K	ZOOO EIVI	TINED COTT OF	ALUMINUM DIE-CAST ALUMINUM	FLUSH GROUND MOUNT	GLASS	DAIN BROWL	L MOONT TO AN ARCHIVOTON OF BIOD BANK BRONZET EBEGTAE WITH WIT-GIT COTEET
3	POINT LIGHTING		PSF-53063-6-T-PLS-V	24" X 4"	FLOODLIGHT	LED	120V	21 W	3500K	4725 LM		DIE-CAST ALUMINUM	GROUND MOUNT			
3 4	POINT LIGHTING		PRL-97004-1C-G-PLS-NC-VB	(8" Φ X 5" DP)	TLOF PERIMETER LIGHT	LED	120V	3.5 W	3500K			DIE-CAST ALUMINUM	FLUSH GROUND MOUNT	GLASS		
 35	POINT LIGHTING		PWC-8061L-AC-ON-FF-B-G-SM-T	5' HIGH	INTERNALLY ILLUMINATED WIND CONE	LED	120V	128 W	3500K			STAINLESS STEEL	ROOF			HELIPORT WIND SOCK
6	POINT LIGHTING		HAPI-89001-1-F-PLS	(15" X 12" X 9")	APPROACH PATH INDICATOR	LED	120V	70 W	3500K			DIE-CAST ALUMINUM	GROUND MOUNT	GLASS		PROVIDE HAPI PROGRAMMER
7	POINT LIGHTING		VAGS-89021-1-F-PLS		VERTICAL ALIGNMENT	LED	120V		3500K							
38	POINT LIGHTING		PHB-37002-WGY-1-H		HELIPORT BEACON	LED	120V		3500K							PROVIDE LIGHTING SYSTEM CONTROLLER
9 9	HADCO	LANDSCAPE	i1.5N FL	(7.5" DIA X 6")	INGROUND UPLIGHT	LED	277V	12 W	3000K			FIBERGLASS	GROUND MOUNT	BOR SILICATE	CAST BRONZE	E

Wall Mount PureForm LED wall sconce



Gardco PureForm LED wall sconce PWS with precision optics offers a sleek, low profile design that will complement a range of architectural styles. PureForm wall sconce provides up to 21,800 lumens to accommodate multiple mounting heights, and is available with Type 2, 3, 4, as well as our back light control optics. A full range of control options is available for additional energy savings. Optional emergency battery backup option is available for path-of-egress and is integral to the luminaire.

Project.	
Location	
CacNe	
Type	
Lamps	Qty

	Numirez	Orive	LED Color -				Options					
Prefix PWS	D) LEIN	Eument	Berei tion	Distribution	ntlon Emergency Voltage		Dimming controls	Motion-sensing lens	Photo-sensing	Electrical & Shield	Finish	
PWS PureForm wall sconce	48L 48 LEDS	300 300 mA ² 400 mA 500 500 mA 600 600 mA 700 mA 700 mA 800 mA 900 mA	WW-G2 Warm White 3000K, 70 CRI Generation 2 NW-G2 Neutral White 4000K, 70 CRI Generation 2 CW-G2 Cool White 5000K, 70 CRI Generation 2 WY-G2 Warm Yellow 2700K, 80 CRI Generation 2 8W-G2 Sausaced White 3500K, 30 CRI Generation 2 AM-G2 Direct Amber (590nm) Generation 2 2 44	2 Type 2 3 Type 3 4 Type 4 BLC Back light control	EBPC Emergency Battery Pack Cold Weather Leave blank to omit an emergency option	UNV 120-277V HVU 347-480V 120 120V 208 208V 240 277 277V 347 347V 480 480V	DD 0-10V External dimming (controls by others) ⁴ DCC Dual Circuit Control **** FAWS Field Adjustable Wattage Selector** LCC Integral wireless module **** BL Bi-level functionality *** DynaDimmer; Automatic Profile Dimming ** CS50 Security 50% Dimming, 7 hours CM50 Median 50% Dimming, 8 hours CS30 Security 30% Dimming, 8 hours CM30 Median 30% Dimming, 8 hours	IMRI2 ¹⁶ Integral with #2 Iens IMRI3 ¹⁶ Integral with #3 Iens	PCB Photocontrol Button Ph.9	Fusing F1 Single (120, 277, 347VAC) ⁶ F2 Double (208, 240, 480VAC) ⁸ F3 Canadian Double Pull (208, 240, 480VAC) ⁸ Surge Protection (10kAis standard) SP2 Increased 20kA	WH BZ DGY MGY	d Black White Brake Brake Brake Brake Brake Medium Gray Medium Gray Medium Gray Color o RAL (ex: RAL702 Custon color (Must supply color chip for require factory quote)

PWS_PureForm_wall_sconce 04/22 page 1 of 6

G GARDCO

by (Signify

Not available with motion sensor.

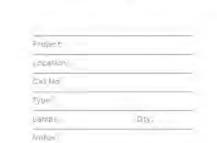
Not available with other dimming control options.
 10. Not available with DCC and CS/CM.

11. Not available in 800 or 900mA.



Gardco PureForm LED post top features a sleek, low profile design. Comfort optics are designed to enhance visual comfort by reducing glare. Type 1, 2, 3, and 5 optical distributions are available with lumen output up to 9000 lumens. A full range of control options provides additional energy savings. Optional

integral emergency battery backup is available for path-of-egress illumination



PPT	Number of LEDs	Drye-Carryot	LED Color - Generation	Mounting	Distribution	Emergency	Voltage
PPT PureForm post top. comfort optics	196L 196 LEDs	450 450 mA 650 650 mA 1150 1150 mA 1675 1675 mA 2100 2100 mA	WW-G2 Warm White 3000K, 80 CRI Generation 2 NW-G2 Neutral White 4000K, 80 CRI Generation 2 CW-G2 Cool White 5000K, 70 CRI Generation 2 WY-G2 Warm Yellow 2700K, 80 CRI Generation 2 3	T3 Mounts to a 3" x 4" Tenon (standard) T2 Mounts to a 2-3/8" x 4" Tenon (must be ordered and shipped as a separate accessory)	1 Comfort Type 1 2 Comfort Type 2 3 Comfort Type 3 5 Comfort Type 5	Leave blank for no battery EBPC Emergency battery pack cold weather 24567 EBP Emergency battery pack 1467	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V UNV 120-277V (50/60Hz HVU 347-480V (50/60Hz
			BW-G2 Balanced White 3500K (80 CRI) Generation 2.1				
	140L 140 LEDs		AM-G2 Amber Generation 2 s.n				

Site & Area

PureForm

Options								
Omming	Jimming controls		se rising	P(roto-sensing		rycal/Snield	Finish	
DD FAWS LLC BL	0-10V External dimming (by others) ⁴ Field Adjustable Wattage Selector ^{4,6} Integral wireless module ^{4,6,7/3} Bi-level functionality ^{4,7/3}		Intégral with #3 lens ¹²	PCB Photocontrol Button 7M TLRD5 Twist Lock Receptacle 5 Pin 814 TLRD7 Twist Lock Receptacle 7 Pin 834 TLRPC Twist Lock Receptacle W/Photocell 838034	100	ng Single (120, 277, 347VAC) ^a Double (208, 240, 480VAC) ^a Canadian Double Pull (208, 240, 480VAC) ^a	Textured BK Black WH White BZ Bronze DGY Dark Gray	
CS50 CM50 CS30 CM30	CM50 Median 50% Dimming, 8 hours CS30 Security 30% Dimming, 7 hours			WY HOLOSE		e Protection (10kA standard) Increased 20kA External house side shield (factory installed)	MGY Medium Gray Customer specified RAL Specify optional color or RAL (ex: RAL702 CC Custom color (Must supply color chip f	

1. 1150, 1675, and 2100mA not available with emergency 5. Not available with motion sensor battery backup (EBP). 2. 2100mA not available with emergency battery backup 7. Not available in 347 or 480V. cold weather (EBPC).

details. ordering with other control options.

4. Not available with other control options. 10, Not available in 480V.

Not available with photocontrol. 12. Not available with DD and FAWS dimming control cold weather (EBPC).

8. Must specify input voltage.

13. Must specify a motion sensor lens.

14. Cannot be combined with HVU and BL-IMR13. 13. Must specify a motion sensor lens.

PPT_PureForm_post_top 04/22 page 1 of 5



Site & Area G GARDCO PureForm by (s) ignify

to customize your selection.

Gardco PureForm LED area small square precision P15 features a sleek, low profile design. Precision optics are optimized for maximum efficiency and uniformity. Multiple optical distributions and color temperatures are available to allow you

Prefix P15		P	Tachnology	Config	uration communications	Cotor	Temperature	Distri	oution	Mont	nting	Volta	ge.
	PureForm area small. 15" square	P	Precision	A01 A02 A03 A04 A05 A06 A07 A08	2,000 lumens 4,000 lumens 6,000 lumens 8,000 lumens 10,000 lumens 12,000 lumens 14,000 lumens	730 740 750 835 ¹ 827 ²	70CRI 3000K 70CRI 4000K 70CRI 5000K 80CRI 3500K 80CRI 2700K	T2M T3M T4S T5S BLC	Type 2 Medium Type 3 Medium Type 4 Short Type 5 Short Back Light Control			120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-277V (50/60Hz) 347-480V (50/60Hz)
Options Dimming controls (0-10V dimming driver standard) DLEA ⁴ Dimming Leads Externally Accessible (controls by others) FAWS ^{4,5} Field Adjustable Wattage Selector Bi-level set at 50% dimming SRDR ^{4,7,6,13} SR driver connected to Zhaga socket DynaDimmer: Automatic Profile Dimming CS50 ^{4,8} Security 50% Dimming, 7 hours CM50 ^{4,8} Median 50% Dimming, 8 hours CM30 ^{4,8} Median 30% Dimming, 8 hours CM30 ^{4,8} Median 30% Dimming, 8 hours					Walter II	TR7 ^{6,10} 7-pin 7-pin 3-pin SP2 ¹ Increa FS1 ⁹ Single FS2 ⁹ Doubl	contro Twist L Twist L Photoc Ised 20 Fuse (Texts BK WH BZ DG MG Cust RAL				
2. Exter 3. Mour 4. Not a	ts to a 4-5"	nes ap OD roi other	oly, Contact and pole with dimming con	adapte	for details. Ir included for square po tions (mutually exclusive			10. A 11. N 12. N	ot available in 480V. Or ot available with DLEA	acle ar der pho and FAV	e connected to SR driver, otocell separately with TR7, WS dimming control options, L3, controller to be used on sock	et must	be SR comp

P15_PureForm_area_small_square_precision 10/21 page 1 of 6

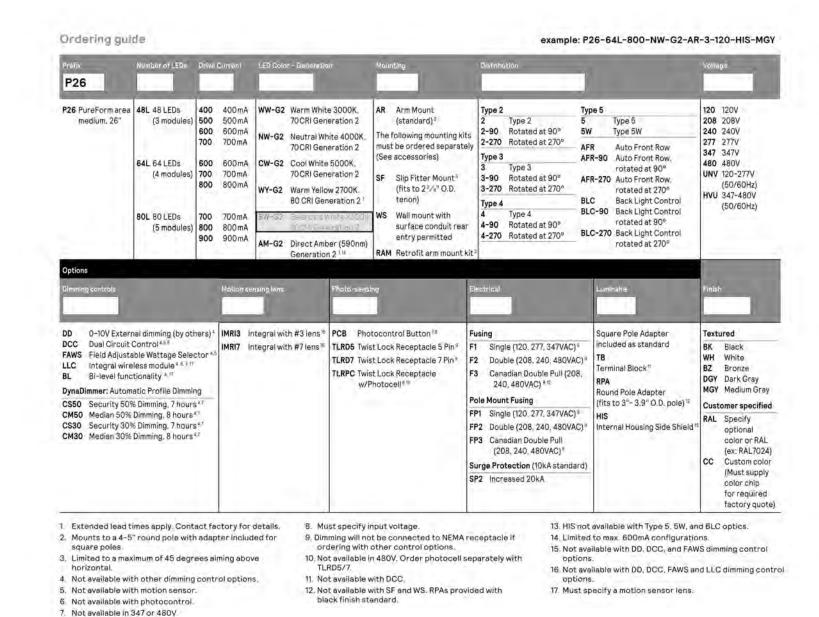
8. Not available in 347 or 480V.





Gardco PureForm LED area medium P26 features a sleek, low profile design and optimal performance. PureForm area medium is designed to achieve maximum pole spacing, with lumen output up to 28.900 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

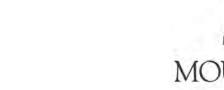




P26_PureForm_area_medium 04/22 page 1 of 9







MOUNT CARMEL NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

MOUNT CARMEL

HEALTH

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

KORDA NEMETH ENGINEERING CIVIL/MECHANICAL/ELECTRICAL/

PLUMBING/STRUCTURAL/

TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE

462 SOUTH LUDLOW ALLEY

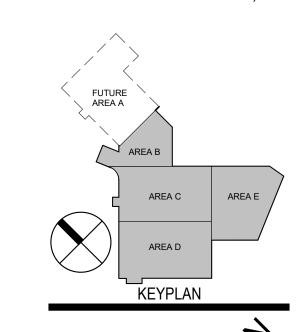
COLUMBUS, OH 43215

614.621.2796

COLMBUS, OH 43215

KORDA

614.487.1650





DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

GENERAL NOTES

A. BASE INFORMATION

1. THE BASE MAPPING / SURVEY WAS PREPARED BY KORDA, 1650 WATERMARK DR, COLUMBUS, OHIO USA 43215. +1 (614) 487-1650. FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING

2. THE PLANS ASSUME THE LAYOUT AND STAKING WILL BE ACCOMPLISHED USING TOTAL STATIONING/ DIGITAL METHODS. ANY INFORMATION PROVIDED IS INTENDED TO SUPPORT INFORMATION ALREADY CONTAINED IN CAD FILES USED FOR DOCUMENTING LAYOUT AND STAKING. CAD FILES DELINEATING ALL GRADING AND HARDSCAPE ELEMENTS SHOWN IN THESE PLANS CAN BE PROVIDED TO THE CONTRACTOR UPON REQUEST.

3. NORTHING AND EASTING POINTS, WHERE SHOWN ARE BASED ON STATE PLANE COORDINATE SYSTEM AS REFERENCED FROM THE SITE SURVEY.

4. THE LIMIT OF CONSTRUCTION WORK LINE SHOWN DEFINES THE LIMITS OF WORK IN THIS CONTRACT. EROSION PROTECTION DEVICES AND UTILITY SYSTEMS MAY EXTEND BEYOND THE PROJECT LIMITS LINE IN ORDER TO SUCCESSFULLY COMPLETE OPERATIONS AND / OR TIE INTO ADJACENT SYSTEMS.

5. LIMITS OF CONSTRUCTION AND CONTRACTOR STAGING AREAS SHALL BE LIMITED TO AREAS DESIGNATED BY THE CONTRACT DOCUMENTS.

B. GENERAL REQUIREMENTS

1. UNLESS OTHERWISE NOTED FOR THE PROJECT'S SITE DEVELOPMENT AND SPECIFICATIONS DOCUMENTS, <u>HPLEX SOLUTIONS</u> SHALL BE THE OWNER'S REPRESENTATIVE. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH PROJECT DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK.

3. VERIFY EXISTING CONDITIONS AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS. NO WORK SHALL BE PERFORMED WHERE SUCH DISCREPANCIES EXIST. COMMENCEMENT OF CONSTRUCTION INDICATES THE CONTRACTOR ACCEPTS THE ACTUAL SITE CONDITIONS AS MATCHING THE EXISTING CONDITIONS DEPICTED ON THE PROJECT DOCUMENTS AND ASSUMES FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS TO WORK CONSTRUCTED UNDER THEIR

4. PRIOR TO COMMENCING WORK, REPORT AND DOCUMENT ANY DAMAGE OF EXISTING SITE STRUCTURES AND AMENITIES "TO REMAIN" TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT DAMAGE AT NO COST TO THE OWNER OR

5. COORDINATE WORK RELATED TO OTHER TRADES AND THE GENERAL CONSTRUCTION OF THE PROJECT. ALL MEANS, METHODS, SEQUENCING AND PROCEDURES OF THE WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR.

6. VERIFY THE CONDITION AND COMPLETENESS OF ALL WORK PERFORMED BY OTHERS RELATED TO THEIR WORK RESPONSIBILITIES INCLUDING THE VERIFICATION OF EXISTING ELEVATIONS OR STRUCTURES PRIOR TO INITIATING CONSTRUCTION. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF ANY SITE CONDITIONS ARE INCOMPLETE, MISSING OR

7. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS IN ADVANCE OF ANY PLANNED UTILITY INTERUPTION.

C. PROTECTION

1. CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, HUBS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IF ANY PINS OR MONUMENTS ARE DISTURBED, DAMAGED, OR DESTROYED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED PROFESSIONAL SURVEYOR AT THE COMPLETION OF THE PROJECT AND AT THE CONTRACTOR'S EXPENSE.

2. KNOWN EXISTING UTILITY LINES ARE NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROTECTING THEM DURING EXCAVATION. ANY DAMAGE TO UTILITIES AND ANY OTHER PROPERTY TO REMAIN SHALL BE REPAIRED IN KIND. IF CONTRACTOR ENCOUNTERS ANY UNFORESEEN UTILITY, NOTIFY THE OWNER'S REPRESENTATIVE FOR FURTHER DIRECTION PRIOR TO PROCEEDING WITH THE WORK.

3. CONTACT THE <u>OHIO UTILITY PROTECTION SERVICE</u> A MINIMUM OF 48 HOURS IN ADVANCE OF WORK TO BE PERFORMED WITHIN THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR COORDINATING ANY RELOCATIONS OR ADJUSTMENT/REPLACEMENT OF AFFECTED UTILITIES AND APPURTENANCES.

4. OBTAIN PERMITS AND TEMPORARY EASEMENTS FOR THE WORK AS REQUIRED AND COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE LOCAL JURISDICTION, THE STATE, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

5. INSTALL TEMPORARY FENCING AND MAINTAIN THE SOIL AND CRITICAL ROOT PROTECTION-ZONES AS INDICATED ON DRAWINGS. LANDSCAPE ARCHITECT TO APPROVE INSTALLATION OF FENCING BEFORE EQUIPMENT OR MATERIALS ARE BROUGHT ONTO THE SITE AND CONSTRUCTION OPERATIONS BEGIN

SOILS NOTES

1. DO NOT EXCAVATE WITHIN SOIL PRESERVATION/TREE PROTECTION AREAS UNLESS OTHERWISE INDICATED. REFER TO DEMOLITION PLNA AND/OR TREE PROTECTION PLANS FOR ADDITIONAL INFORMATION.

2. SITE SALVAGED SOILS SCHEDULED FOR REDISTRIBUTION, MUST BE TESTED AND AMENDED OFF-SITE PRIOR TO OWNER'S REPRESENTATIVE ACCEPTANCE FOR USE AND REDISTRIBUTION. SUBGRADE SOILS FOR TURFGRASS AND PLANTING AREAS MUST BE DECOMPACTED BY RIPPING SOILS AS DESCRIBED IN EACH PLANTING SOIL MIX SPECIFICATION

4. AREAS WITHIN GRADING LIMITS OR DISTURBED BY CONSTRUCTION ACTIVITIES SHALL HAVE EXISTING SOILS DECOMPACTED AND REPAIRED TO ORIGINAL STATE OR PROPOSED PROJECT CONDITIONS. OWNER'S REPRESENTATIVE TO REVIEW AND APPROVE SOILS AND REPAIRS PRIOR TO REPAIR WORK COMMENCING.

5. PLANTING SOIL MIX DEPTHS INDICATED ARE POST COMPACTION AND SETTLEMENT DEPTHS REPRESENTING FINAL GRADE WITHIN SPECIFIED COMPACTION AND GRADING TOLERANCES. COMPENSATE FOR SETTLING AND COMPACTION AS NECESSARY.

6. EXCAVATE AND CONFIRM PLANTING AREA SUBGRADES ARE TO THE DEPTHS NOTED ON SOIL DRAWINGS AND DETAILS. WHERE EXCAVATION IS TOO DEEP, BACKFILL WITH EXISTING SOILS AND COMPACT TO 85 - 90% PROCTOR. DO NOT START THE SOIL MIX INSTALLATION UNTIL SUB-GRADE CONDITIONS HAVE BEEN CORRECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.

7. PROJECT MANUAL SPECIFICATIONS FOR PLANTING SOIL MIX AND FINISH GRADING APPLY.

D. PUBLIC SAFETY

1. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE CITY AND AUTHORITIES HAVING JURISDICTION. 2. PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND CITY PRACTICES, EGRESS

AND INGRESS TO ALL BUILDINGS MUST BE MAINTAINED AT ALL TIMES.

3. PROVIDE FOR SAFE VEHICULAR AND PEDESTRIAN PASSAGE THROUGH THE CONSTRUCTION SITE AT ALL TIMES BY THE USE OF TRAFFIC CONTROL DEVICES, BARRICADES, SIGNAGE, PLATING, TEMPORARY ACCESS WALKS AND DRIVES, FLAGMEN OR OTHER RECOGNIZED PROTECTIVE METHODS.

4. CONTACT THE <u>CITY ENGINEER</u> TRAFFIC DIVISION 72 HOURS IN ADVANCE OF ANY PROPOSED ROAD CLOSURES IN ORDER THAT THE PUBLIC AND SAFETY OFFICIALS CAN BE NOTIFIED. THE TRAFFIC DIVISION SHALL BE NOTIFIED OF ANY PROPOSED LANE CLOSURES NOTING THE ANTICIPATED DURATION OF SUCH CLOSURE AND THE TRAFFIC CONTROL

5. TAKE CORRECTIVE ACTIONS FOR TRAFFIC MAINTENANCE IMMEDIATELY AS DIRECTED

E. EROSION CONTROL

1. PROVIDE TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL ITEMS AS REQUIRED BY GOVERNING AGENCY, AS REQUIRED BY PERMIT, AS INDICATED ON THE PLANS, AND AS NOTED IN THE SPECIFICATIONS. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS PRIOR TO CLEARING AND COMMENCING EARTHWORK.

2. MAINTAIN, KEEP CLEAN AND FULLY OPERATIONAL SITE DRAINAGE FACILITIES AND EXISTING EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE ADJACENT WATER BODIES, SURFACES AND STORM SEWERS ACCORDING TO ALL APPLICABLE FEDERAL/STATE LAWS AND

3. STORMWATER BMP'S SHALL BE INSPECTED ONCE EVERY SEVEN DAYS, AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER RAINFALL, OR BY WHAT IS REQUIRED BY PERMIT, WHICHEVER IS GREATER. CLEAN SEDIMENT BASINS AND CATCH BASINS AS REQUIRED TO MAINTAIN EFFECTIVENESS OR AS DIRECTED.

F. SITE CLEANING

1. PROVIDE APPROPRIATE CONTROL MEASURES DURING CONSTRUCTION TO PREVENT AIRBORNE DUST TO ADJACENT CITY PROPERTIES AND WALKWAYS.

2. MAINTAIN THE CONSTRUCTION SITE AT ALL TIMES IN A PRESENTABLE CONDITION ACCEPTABLE TO THE **OWNER AND CITY ENGINEER** UNTIL THE COMPLETION AND ACCEPTANCE OF THE PROJECT. MAINTAIN ADJOINING STREETS, SIDEWALKS AND DRIVES FREE OF SOIL, MUD AND EXCESS CONSTRUCTION MATERIALS. BROOM SWEEP OR WASH AS NEEDED OR DIRECTED.

3. REPAIR OR REPLACE DAMAGED UTILITIES, PAVEMENTS, STRUCTURES, LANDSCAPING, STREET SIGNS AND MONUMENTS WITHIN THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR, SUB CONTRACTOR, SUPPLIES OR WORKERS. SUCH REPAIR OR REPLACEMENT SHALL BE "IN-KIND" AS DIRECTED. PROTECT ALL WORK AND PROPERTY WITHIN THE

4. REMOVE AND DISPOSE OF LEGALLY ALL RUBBISH AND CONSTRUCTION DEBRIS IMMEDIATELY, UNLESS OTHERWISE INDICATED ON DRAWINGS.

G. PROJECT SPECIFIC NOTES

1. CONTACT THE CITY ENGINEER'S OFFICE 24 HOURS PRIOR TO ANY WORK BEING PERFORMED IN THE CONSTRUCTION SITE IN ORDER TO PROVIDE FOR INSPECTION. NO CONCRETE INSTALLATION IS TO BE PERFORMED WITHIN THE CONSTRUCTION SITE UNLESS AN INSPECTOR CONFIRMS THAT THE CONDITIONS AND REQUIREMENTS OF THESE SPECIFICATIONS.

LAYOUT NOTES

REFER CIVIL FOR LAYOUT OF SITE, ROADWAYS, AND CURBS

ANCHOR BOLT AMERICANS WITH DISABILITIES ACT ADDENDUM ADJACENT AGG AGGREGATE ALIGN ALTERNATE ALUM ALUMINUM APPR APPROXIMATI ARCH ARCHITECT AUTO AUTOMATIC ALIGN WITH ARCHITECTURE AWC ALIGN WITH CENTER BALLED AND BURLAPPED BACK OF CURB BELOW BET BETWEEN BIT BITUMINOUS BLDG BUILDING BLOCK BOT BOTTOM BARE ROOT BRK BRICK

BOTH SIDES BOTTOM OF CURB BOTTOM OF FOOTING BTS BOTTOM OF STEPS BTW **BOTTOM OF WALL** BVL BACK OF WALL BYND BEYOND CAL CALIPER CB CATCH BASIN CH CHAMFER CAST-IN-PLACE CONTROL JOINT CENTER LINE CONCRETE MASONRY UNIT

CMU CO CLEANOUT COL COLUMN CONC CONT CONCRETE CONTINUOUS CRS COURSE **CLEAR TRUNK** CTR CENTER DBH DIAMETER AT BREAST HEIGHT DEM DIA DEMOLISH DIAMETER DIM DIMENSION DS DOWNSPOUT DTL DETAIL DWG DRAWING EACH **EXPANSION JOINT ELEVATION** ELEC ELECTRICAL **ENCLOSURE ENGINEER** EOP **EDGE OF PAVEMENT** EQ EQUAL EQUIP EQUIPMENT EACH WAY EW EXISTING / EXTERIOR

FACE OF BUILDING FACE OF CURB FINISH FLOOR ELEVATION FINISH GRADE FW FACE OF WALI FOOT/ FEET FTG FULL TO GROUND FTR FUTURE GAUGE GALLON GALV GALVANIZED
GC GENERAL CON GENERAL CONTRACTOR GEN GENERAL GRT GRATE ELEVATION HOSE BIB

HANDICAPPED HORIZONTAL HORZ HIGH POINT HEIGHT INSIDE DIAMETER INLET DRAIN INCH/ S INCLUDED INTERIOR

INVERT JUNCTION BOX LOW POINT LIGHT FIXTURE MANF MANUFACTURER MAX MAXIMUM MECH MECHANICAL MED MEDIUM MANHOLE MIN MINIMUM

MISC MISCELLANEOUS MULTI-STEM NOT IN CONCTRACT NOM NOMINAL NTS NOT TO SCALE OA OVERALL ON CENTER OUTSIDE DIAMETER PCC PRECAST CONCRETE PERF PERFORATED PERP PERPENDICULAR

PIP POURED IN PLACE PLT PLANTING AREA PLUM PLUMBING POB POINT OF BEGINNING PP PEAT POTS PPP PLANTS PER POT PROP PROPOSED PRTR PRESERVATIVE TREATED

PTP PRESSURE TREATED PINE

POINT

PVMT PAVEMENT

PW POTABLE WATER

PT

RADIUS ROUND REINF REINFORCED REM REMOVE REQD REQUIRED REV REVISION RIM ELEVATION SCH SCHEDULE SEC SECTION SHT SHEET SIM SIMILAR SNT SEALANT SPECIFICATION SPR SPREAD SS STAINLESS STEEL SINGLE TRUNK STD STANDARD STRUC STRUCTURAL SQ SQUARE TBD TO BE DETERMINED TOP OF CURB TCB TOP OF COLUMN BASE TCM TOP OF COLUMN

TF TOP OF FOOTING TOP OF STAIRS TOP OF WALL TW TYP TYPICAL UNDERCUT UNO UNLESS NOTED OTHERWISE VERT VERTICAL VIF VERIFY IN FIELD W/ WITH W/O WITHOUT WATER LEVEL AVERAGE WLS WATER LEVEL STATIONARY WM WIRE MSH WP WATERPROOFING WR WASTE RECEPTABLE

WWF WELDED WIRE FABRIC

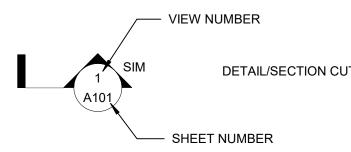
TEMP TEMPERATURE

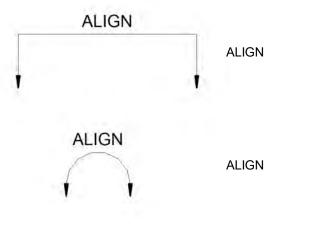
QC QUICK COUPLER

QUANTITY

QTY

 VIEW NUMBER SHEET NUMBER





RADIAL DIMENSION

Sheet Number L0.02 L0.03 L0.04 **ELEVATION CUT** L0.06 PLANTING CHARACTER L1.00 L1.01 PLANTING KEY PLAN L1.02 PLANTING ZONE 01 L1.03 PLANTING ZONE 02 L1.04

L1.06

L1.07

L2.01

L2.02

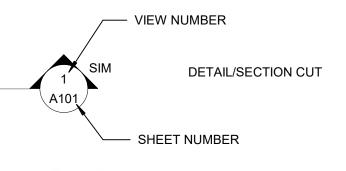
L3.00

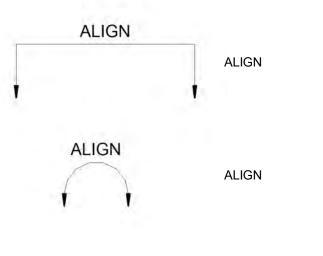
SITE DETAILS

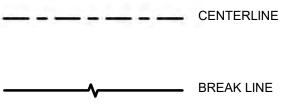
SITE FURNISHINGS

SIGNAGE PLAN

SHEET INDEX









ELEVATION

Sheet Name LANDSCAPE GENERAL NOTES AND INDEX OVERALL PLAN RENDERING TREE PRESERVATION & REPLACEMENT TREE PRESERVATION & REPLACEMENT TREE PRESERVATION & REPLACEMENT PLANTING NOTES AND SCHEDULE PLANTING ZONE 03 PLANTING ZONE 04 PLANTING ZONE 05

PEDESTRIAN AND BICYCLE CIRCULATION

MOUNT CARMEL

333 East Erie Street

Milwaukee, Wisconsin 53202

Telephone 414.278.8200

KORDA NEMETH ENGINEERING

CIVIL/MECHANICAL/ELECTRICAL/

PLUMBING/STRUCTURAL

TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE

462 SOUTH LUDLOW ALLEY

COLUMBUS, OH 43215

614.621.2796

COLMBUS, OH 43215

614.487.1650



NORTHWEST HEALTH

NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

LANDSCAPE GENERAL NOTES = AND INDEX

FINAL DEVELOPMENT PLAN

HGA

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

KORDA NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



RTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

NO DESCRIPTION DATE

NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

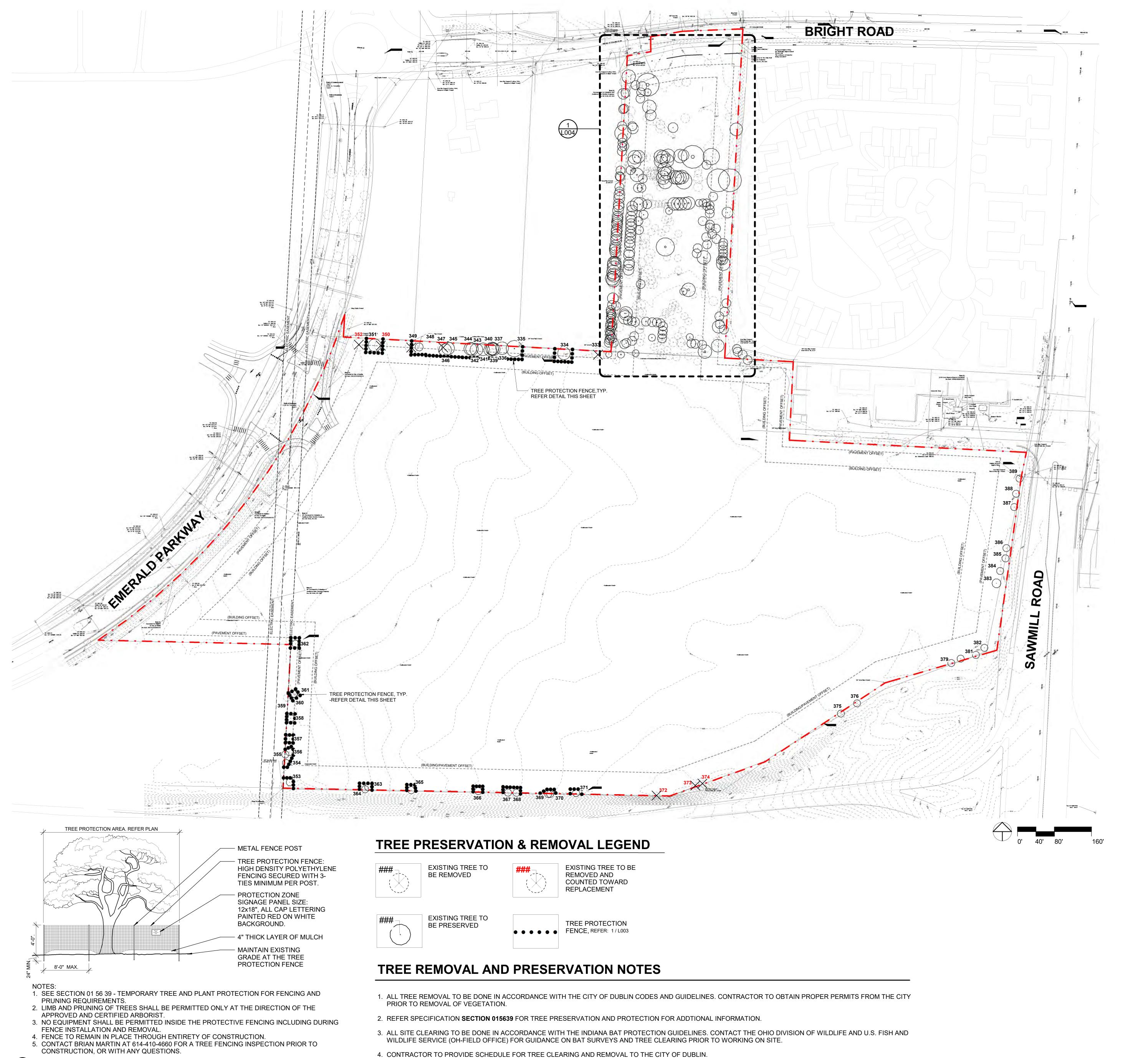
HGA NO: 1927-004-00

OVERALL PLAN RENDERING

ATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT PLAN

L0.02



333 East Erie Street Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/ TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH **SYSTEM**



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

NO DESCRIPTION DATE

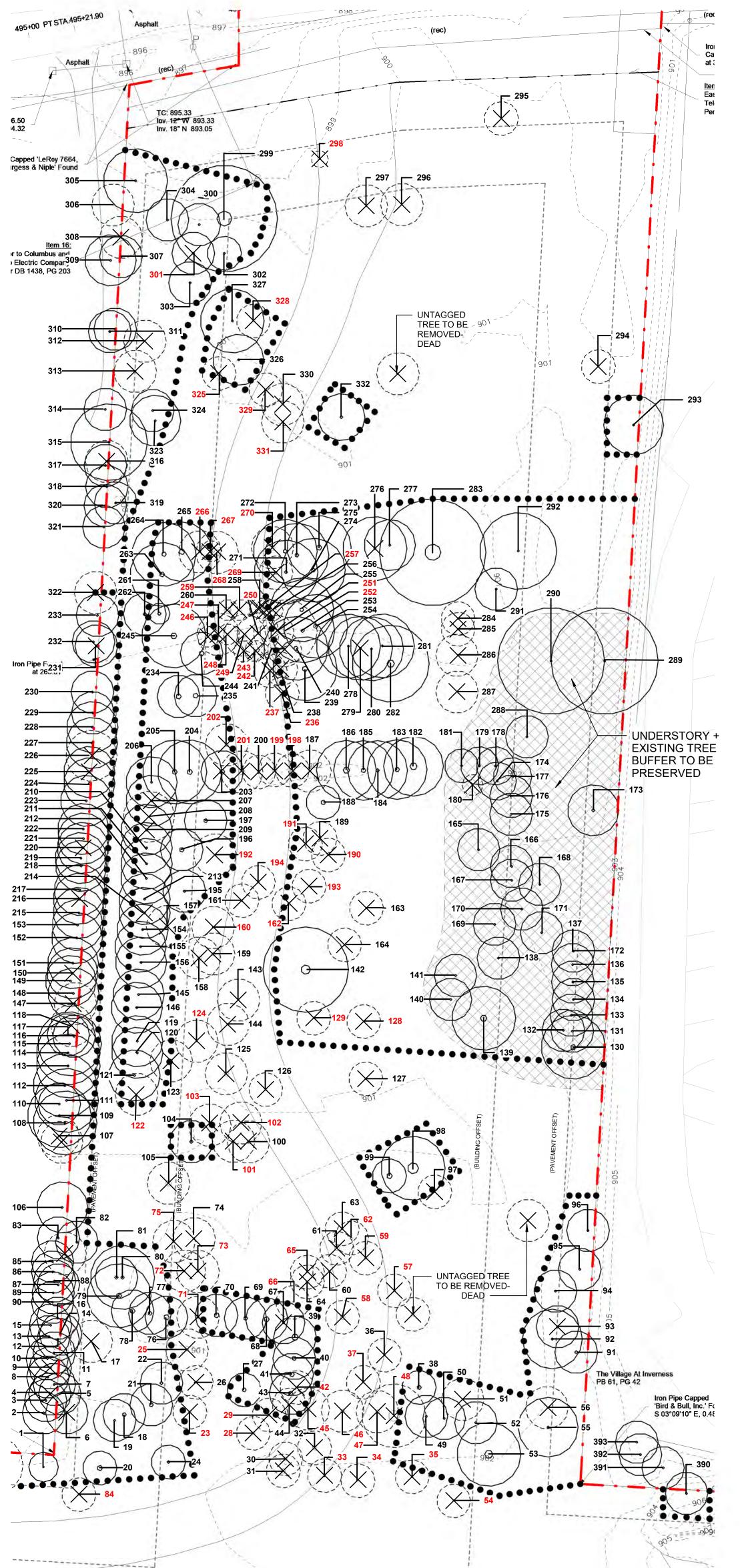
ISSUANCE HISTORY - THIS SHEET HGA NO: 1927-004-00

TREE PRESERVATION -& REPLACEMENT \(\subseteq \)

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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TREE PROTECTION FENCE N.T.S.



TREE				07.47.10
#	SPECIES	SIZE	CONDITION	STATUS
1	BOXELDER	7"	FAIR	PRESERVEI
3	WHITE PINE WHITE PINE	18" 16"	GOOD FAIR	PRESERVEI PRESERVEI
4	WHITE PINE	6"	DEAD	PRESERVE
5	BOXELDER	12"	GOOD	PRESERVEI
6	BOXELDER	6"	FAIR	PRESERVE
7	WHITE PINE	9"	FAIR	PRESERVE
8	WHITE PINE BOXELDER	15" 8"	GOOD	PRESERVEI PRESERVEI
9	WHITE PINE	13"	POOR GOOD	PRESERVE
11	WHITE PINE	13"	GOOD	PRESERVE
12	WHITE PINE	19"	GOOD	PRESERVE
13	WHITE PINE	11"	FAIR	PRESERVE
14	AMERICAN ELM	18"	FAIR	PRESERVE
15 16	WHITE PINE WHITE PINE	13" 9"	GOOD DEAD	PRESERVE PRESERVE
17	BOXELDER	7"	POOR	REMOVED
18	BLACK WALNUT	11"	FAIR	PRESERVE
19	BOXELDER	7"	POOR	PRESERVE
20	BOXELDER	15"	FAIR	PRESERVE
21	BLACK WALNUT	11"	GOOD	PRESERVE
22	BOXELDER RED MULBERRY	9" 9"	FAIR FAIR	PRESERVEI REMOVED
24	AMERICAN ELM	8"	FAIR	PRESERVE
25	BLACK WALNUT	9"	GOOD	REMOVED
26	BOXELDER	7"	POOR	REMOVED
27	BLACK WALNUT	11"	GOOD	PRESERVE
28	BLACK WALNUT	10"	GOOD	REMOVED
30	BLACK WALNUT SILVER MAPLE	9" 12"	GOOD VERY POOR	REMOVED REMOVED
31	CRABAPPLE CRABAPPLE	14"	POOR	REMOVED
32	BOXELDER	14"	POOR	REMOVED
33	BLACK WALNUT	7"	GOOD	REMOVED
34	CRABAPPLE	6"	FAIR	REMOVED
35	BOXELDER	10"	FAIR	REMOVED
36 37	CRABAPPLE CRABAPPLE	10" 7"	POOR FAIR	REMOVED REMOVED
38	CRABAPPLE	12"	FAIR	PRESERVE
39	NORWAY SPRUCE	18"	FAIR	PRESERVE
40	NORWAY SPRUCE	12"	FAIR	PRESERVE
41	NORWAY SPRUCE	13"	GOOD	PRESERVE
42	BLACK CHERRY NORWAY SPRUCE	8" 12"	FAIR FAIR	REMOVED PRESERVE
44	CRABAPPLE	6"	POOR	REMOVED
45	NORWAY SPRUCE	12"	FAIR	REMOVED
46	NORWAY SPRUCE	12"	FAIR	REMOVED
47	NORWAY SPRUCE	12"	GOOD	REMOVED
48	SILVER MAPLE NORWAY SPRUCE	32" 14"	GOOD	REMOVED PRESERVE
49 50	NORWAY SPRUCE	12"	FAIR GOOD	PRESERVE
51	CRABAPPLE	9"	POOR	REMOVED
52	NORWAY SPRUCE	11"	GOOD	PRESERVE
53	PIN OAK	23"	GOOD	PRESERVE
54 55	CRABAPPLE	11" 11"	GOOD	REMOVED PRESERVE
56	chinkapin oak NORWAY SPRUCE	13"	DEAD	REMOVED
57	HAWTHORN	9"	GOOD	REMOVED
58	CRABAPPLE	15"	FAIR	REMOVED
59	CRABAPPLE	9"	FAIR	REMOVED
60	CRABAPPLE	8"	POOR	REMOVED
61 62	CRABAPPLE CRABAPPLE	15" 9"	POOR FAIR	REMOVED REMOVED
63	CRABAPPLE	8"	POOR	REMOVED
64	CRABAPPLE	10"	POOR	REMOVED
65	CRABAPPLE	7"	FAIR	REMOVED
66	CRABAPPLE	6"	FAIR	REMOVED
67	NORWAY SPRUCE	12"	POOR	PRESERVE
68 69	NORWAY SPRUCE NORWAY SPRUCE	15" 11"	FAIR POOR	PRESERVE PRESERVE
70	NORWAY SPRUCE	14"	POOR	PRESERVE
71	NORWAY SPRUCE	13"	GOOD	REMOVED
72	CRABAPPLE	10"	FAIR	REMOVED
73	CRABAPPLE	15"	GOOD	REMOVED
74 75	CRABAPPLE CRABAPPLE	13"	POOR	REMOVED
75 76	CRABAPPLE NORWAY SPRUCE	15" 15"	FAIR GOOD	REMOVED PRESERVE
77	NORWAY SPRUCE	11"	GOOD	PRESERVE
78	NORWAY SPRUCE	14"	GOOD	PRESERVE
79	NORWAY SPRUCE	15"	GOOD	PRESERVE
80	NORWAY SPRUCE	10"	FAIR	PRESERVE
81	RED MULBERRY	10"	FAIR	PRESERVE
82 83	PIN OAK WHITE PINE	15" 17"	FAIR FAIR	PRESERVE PRESERVE
84	BOXELDER	9"	GOOD	REMOVED
0	UNKNOWN		DEAD	REMOVED
85	WHITE PINE	12"	FAIR	PRESERVE
86	WHITE PINE	8"	FAIR	PRESERVE
87	WHITE PINE	13"	FAIR	PRESERVE
88 89	WHITE PINE WHITE PINE	15" 15"	FAIR FAIR	PRESERVE PRESERVE
90	WHITE PINE WHITE PINE	9"	FAIR	PRESERVE
91	BLACK WALNUT	9"	GOOD	PRESERVE
92	NORWAY SPRUCE	7"	FAIR	PRESERVE
93	CRABAPPLE	9"	POOR	PRESERVE
	PIN OAK	10"	GOOD	PRESERVE
94		_	2225	DDE0==
95	CRABAPPLE	7"	GOOD	PRESERVE
		_	GOOD GOOD POOR	PRESERVE PRESERVE REMOVED

TREE #	SPECIES	SIZE	CONDITION	STATUS
100	SILVER MAPLE	11"	POOR	REMOVE
101	SILVER MAPLE	8"	FAIR	REMOVE
102	SILVER MAPLE SILVER MAPLE	9" 8"	FAIR FAIR	REMOVE REMOVE
104	SILVER MAPLE	10"	GOOD	PRESERVE
105 106	WHITE ASH WHITE PINE	17" 30"	POOR FAIR	REMOVE PRESERVE
107	WHITE PINE	21"	DEAD	REMOVE
108 109	WHITE PINE WHITE PINE	17" 8"	GOOD POOR	PRESERVE PRESERVE
110	RED MULBERRY	7"	FAIR	PRESERVE
111 112	WHITE PINE WHITE PINE	21" 18"	GOOD	PRESERVE PRESERVE
113	WHITE PINE	16"	GOOD	PRESERVE
114 115	WHITE PINE WHITE PINE	15" 11"	FAIR FAIR	PRESERVE PRESERVE
116	American elm	14"	GOOD	PRESERVE
117 118	RED MULBERRY WHITE PINE	24" 18"	FAIR DEAD	PRESERVE REMOVE
119	NORWAY SPRUCE	18"	FAIR	PRESERVE
120 121	NORWAY SPRUCE	11" 13"	FAIR FAIR	PRESERVE PRESERVE
122	BOXELDER	7"	FAIR	REMOVE
123 124	CRABAPPLE CRABAPPLE	12" 6"	POOR FAIR	REMOVE REMOVE
125	CRABAPPLE	15"	POOR	REMOVE
126	CRABAPPLE	12"	POOR	REMOVE
127 128	HAWTHORN CRABAPPLE	11" 16"	VERY POOR FAIR	REMOVE REMOVE
129	CRABAPPLE	12"	FAIR	REMOVE
130 131	NORWAY SPRUCE	15" 13"	POOR FAIR	PRESERVE PRESERVE
132	CRABAPPLE	6"	FAIR	PRESERVE
133 134	NORWAY SPRUCE	9" 13"	POOR POOR	PRESERVE PRESERVE
135	NORWAY SPRUCE	13"	FAIR	PRESERVE
136 137	CRABAPPLE NORWAY SPRUCE	8" 14"	DEAD FAIR	PRESERVE PRESERVE
138	BLACK WALNUT	6"	GOOD	PRESERVE
139 140	silver maple CRABAPPLE	18" 12"	GOOD FAIR	PRESERVE PRESERVE
141	CRABAPPLE	12"	POOR	PRESERVE
142	silver maple	26"	GOOD	PRESERVE
143 144	WHITE ASH CRABAPPLE	6" 13"	POOR POOR	REMOVE REMOVE
145	NORWAY SPRUCE	15"	FAIR	PRESERVE
146 147	NORWAY SPRUCE WHITE PINE	15" 13"	FAIR DEAD	PRESERVE REMOVE
148	WHITE PINE	10"	FAIR	PRESERVE
149 150	WHITE PINE WHITE PINE	23" 11"	FAIR POOR	PRESERVE PRESERVE
151	WHITE PINE	19"	FAIR	PRESERVE
152 153	WHITE PINE WHITE PINE	19" 14"	GOOD FAIR	PRESERVE PRESERVE
154	NORWAY SPRUCE	11"	FAIR	PRESERVE
155 156	NORWAY SPRUCE	13" 13"	FAIR FAIR	PRESERVE PRESERVE
157	CRABAPPLE	9"	POOR	REMOVE
158 159	CRABAPPLE CRABAPPLE	14" 11"	DEAD DEAD	REMOVE REMOVE
160	CRABAPPLE	14"	FAIR	REMOVE
161 162	CRABAPPLE CRABAPPLE	13" 10"	POOR FAIR	REMOVE REMOVE
163	BLACK WALNUT	6"	POOR	REMOVE
164 165	CRABAPPLE BLACK WALNUT	8" 6"	POOR GOOD	REMOVE PRESERVE
166	NORWAY SPRUCE	14"	FAIR	PRESERVE
167 168	NORWAY SPRUCE BLACK WALNUT	14" 11"	FAIR GOOD	PRESERVE PRESERVE
169	NORWAY SPRUCE	15"	FAIR	PRESERVE
170 171	CRABAPPLE NORWAY SPRUCE	8" 13"	FAIR FAIR	PRESERVE PRESERVE
171	NORWAY SPRUCE	13" 14"	FAIR FAIR	PRESERVE
173	BLACK WALNUT	9"	FAIR	PRESERVE
174 175	NORWAY SPRUCE NORWAY SPRUCE	20" 9"	FAIR POOR	PRESERVE PRESERVE
176	NORWAY SPRUCE	16"	FAIR	PRESERVE
177 178	NORWAY SPRUCE NORWAY SPRUCE	15" 11"	FAIR FAIR	PRESERVE PRESERVE
179	NORWAY SPRUCE	21"	GOOD	PRESERVE
180 181	CRABAPPLE NORWAY SPRUCE	7" 13"	POOR FAIR	REMOVE PRESERVE
182	NORWAY SPRUCE	20"	GOOD	PRESERVE
183 184	NORWAY SPRUCE	13" 10"	GOOD FAIR	PRESERVE PRESERVE
185	NORWAY SPRUCE	13"	FAIR	PRESERVE
186	NORWAY SPRUCE NORWAY SPRUCE	18" 8"	GOOD POOR	PRESERVE
187 188	BLACK WALNUT	8" 13"	POOR FAIR	REMOVE PRESERVE
189	BLACK WALNUT	7"	POOR	REMOVE
190 191	BLACK WALNUT BLACK WALNUT	7" 7"	FAIR FAIR	REMOVE REMOVE
192	BLACK WALNUT	6"	GOOD	REMOVE
193	BLACK WALNUT BLACK WALNUT	6" 6"	GOOD GOOD	REMOVE REMOVE
	DE TOIL WALING	7"	GOOD	PRESERVE
193 194 195	BLACK WALNUT		<u> </u>	TILOLIVI
194 195 196	BLACK WALNUT	13"	GOOD	PRESERVE
194 195				

	EVIC	STING TREE I	ICT		
	TREE	STING TREE L			
ATUS	#	SPECIES	SIZE	CONDITION	STATUS
MOVED MOVED	201	NORWAY SPRUCE BLACK WALNUT	18" 11"	FAIR FAIR	REMOVED REMOVED
MOVED	203	NORWAY SPRUCE	14"	FAIR	PRESERVED
SERVED	204	NORWAY SPRUCE NORWAY SPRUCE	15" 14"	FAIR FAIR	PRESERVED PRESERVED
MOVED	206	NORWAY SPRUCE	14"	FAIR	PRESERVED
SERVED MOVED	207	NORWAY SPRUCE	11" 9"	POOR DEAD	PRESERVED REMOVED
SERVED	209	NORWAY SPRUCE	10"	POOR	PRESERVED
SERVED SERVED	210	NORWAY SPRUCE	13" 13"	FAIR FAIR	PRESERVED PRESERVED
SERVED	212	NORWAY SPRUCE	10"	FAIR	PRESERVED
SERVED SERVED	213 214	NORWAY SPRUCE	12" 9"	FAIR POOR	PRESERVED PRESERVED
SERVED	215	WHITE PINE	16"	FAIR	PRESERVED
SERVED SERVED	216 217	WHITE PINE WHITE PINE	11" 20"	POOR FAIR	PRESERVED PRESERVED
SERVED	218	WHITE PINE	14"	FAIR	PRESERVED
OVED SERVED	219 220	WHITE PINE WHITE PINE	16" 9"	FAIR POOR	PRESERVED PRESERVED
SERVED	221	WHITE PINE	15"	FAIR	PRESERVED
SERVED 10VED	222	WHITE PINE WHITE PINE	19" 20"	FAIR FAIR	PRESERVED PRESERVED
OVED	224	WHITE PINE	11"	FAIR	PRESERVED
10VED	225 226	WHITE PINE WHITE PINE	26" 13"	POOR DEAD	PRESERVED REMOVED
OVED	227	WHITE PINE	15"	FAIR	PRESERVED
10VED	228 229	WHITE PINE WHITE PINE	20" 10"	FAIR FAIR	PRESERVED PRESERVED
10VED	230	COTTONWOOD	31"	GOOD	PRESERVED
SERVED SERVED	231	WHITE PINE SILVER MAPLE	7" 37"	POOR FAIR	PRESERVED PRESERVED
SERVED	233	WHITE PINE	12"	FAIR	PRESERVED
SERVED SERVED	234	NORWAY SPRUCE	15" 14"	FAIR FAIR	PRESERVED PRESERVED
SERVED	236	BLACK WALNUT	6"	FAIR	REMOVED
SERVED SERVED	237	NORWAY SPRUCE	12" 18"	FAIR POOR	REMOVED REMOVED
SERVED	239	NORWAY SPRUCE	15"	FAIR	PRESERVED
SERVED	240 241	NORWAY SPRUCE	12" 7"	FAIR VERY POOR	PRESERVED REMOVED
SERVED	242	NORWAY SPRUCE	11"	FAIR	REMOVED
SERVED 10VED	243 244	NORWAY SPRUCE	12" 14"	FAIR FAIR	REMOVED PRESERVED
OVED	245	NORWAY SPRUCE	17"	GOOD	PRESERVED
SERVED SERVED	246 247	NORWAY SPRUCE	10" 9"	FAIR FAIR	REMOVED REMOVED
10VED	248	NORWAY SPRUCE	8"	FAIR	REMOVED
SERVED SERVED	249 250	NORWAY SPRUCE	11" 8"	FAIR FAIR	REMOVED REMOVED
SERVED	251	NORWAY SPRUCE	8"	FAIR	REMOVED
SERVED SERVED	252 253	NORWAY SPRUCE	7" 10"	FAIR FAIR	REMOVED PRESERVED
SERVED	254	NORWAY SPRUCE	12"	FAIR	PRESERVED
SERVED SERVED	255 256	NORWAY SPRUCE	11" 6"	FAIR DEAD	PRESERVED REMOVED
SERVED	257	NORWAY SPRUCE	9"	FAIR	REMOVED
10VED 10VED	258 259	BLACK CHERRY NORWAY SPRUCE	9" 9"	POOR FAIR	REMOVED REMOVED
10VED	260	NORWAY SPRUCE	20"	POOR	REMOVED
10VED	261 262	NORWAY SPRUCE NORWAY SPRUCE	10" 10"	FAIR FAIR	PRESERVED PRESERVED
MOVED	263	NORWAY SPRUCE	14"	FAIR	PRESERVED
10VED 10VED	264 265	NORWAY SPRUCE	13" 16"	FAIR FAIR	PRESERVED PRESERVED
SERVED	266	NORWAY SPRUCE	8"	FAIR	REMOVED
SERVED SERVED	267 268	NORWAY SPRUCE	11" 19"	FAIR GOOD	REMOVED REMOVED
SERVED	269	NORWAY SPRUCE	11"	FAIR	REMOVED
SERVED SERVED	270 271	NORWAY SPRUCE NORWAY SPRUCE	16" 9"	FAIR FAIR	REMOVED PRESERVED
SERVED	272	NORWAY SPRUCE	11"	FAIR	PRESERVED
SERVED SERVED	273 274	NORWAY SPRUCE NORWAY SPRUCE	11" 11"	FAIR FAIR	PRESERVED PRESERVED
SERVED	275	NORWAY SPRUCE	15"	GOOD	PRESERVED
SERVED SERVED	276 277	NORWAY SPRUCE NORWAY SPRUCE	12" 10"	POOR FAIR	PRESERVED PRESERVED
SERVED	278	NORWAY SPRUCE	12"	GOOD	PRESERVED
SERVED SERVED	279 280	NORWAY SPRUCE NORWAY SPRUCE	6" 18"	POOR GOOD	PRESERVED PRESERVED
MOVED	281	NORWAY SPRUCE	14"	GOOD	PRESERVED
SERVED SERVED	282	NORWAY SPRUCE SILVER MAPLE	21" 45"	GOOD FAIR	PRESERVED PRESERVED
SERVED SERVED	284 285	RED MULBERRY RED MULBERRY	25" 25"	VERY POOR DEAD	REMOVED REMOVED
SERVED	285	RED MULBERRY	24"	DEAD	REMOVED
SERVED	287	RED MULBERRY	17" 7"	DEAD	REMOVED
OVED SERVED	288 289	BLACK WALNUT SILVER MAPLE	7" 46"	GOOD FAIR	PRESERVED PRESERVED
MOVED	290	SILVER MAPLE	48"	FAIR	PRESERVED
10VED	291 292	SILVER MAPLE SILVER MAPLE	10" 30"	FAIR FAIR	PRESERVED PRESERVED
OVED	293	FLOWERING PEAR	12"	FAIR	PRESERVED
10VED	294 295	CRABAPPLE CRABAPPLE	23" 40"	DEAD DEAD	REMOVED REMOVED
		BOXELDER	27"	VERY POOR	REMOVED
MOVED SERVED	296		24"	VEDV DOOD	DEMOVED
SERVED SERVED	296 297 298	CRABAPPLE NORWAY SPRUCE	24" 23"	VERY POOR FAIR	REMOVED REMOVED
MOVED SERVED SERVED MOVED MOVED	297	CRABAPPLE			

EXISTING TREE LIST									
TREE									
#	SPECIES	SIZE	CONDITION	STATUS					
302	NORWAY SPRUCE	15"	FAIR	PRESERVE					
303	BLACK WALNUT	10"	GOOD	PRESERVE					
304	NORWAY SPRUCE	17"	FAIR	PRESERVE					
305	BLACK WALNUT	8"	GOOD	PRESERVE					
306	BLACK CHERRY	24"	DEAD	REMOVE					
307	RED MULBERRY	11"	FAIR	PRESERVE					
308	BLACK CHERRY	8"	DEAD	REMOVE					
309	RED MULBERRY	14"	GOOD	PRESERVE					
310	RED MULBERRY	21"	POOR	PRESERVE					
311	RED MULBERRY	15"	FAIR	PRESERVE					
312	WHITE ASH	18"	DEAD	REMOVE					
313	RED BUD	11"	VERY POOR	REMOVE					
314	RED MULBERRY	16"	POOR	PRESERVE					
315	TULIP TREE	20"	GOOD	PRESERVE					
316	RED MULBERRY	6"	POOR	REMOVE					
317	WHITE PINE	16"	GOOD	PRESERVE					
318	WHITE PINE	11"	FAIR	PRESERVE					
319	RED MULBERRY	11"	FAIR	PRESERVE					
320	WHITE PINE	17"	GOOD	PRESERVE					
321	WHITE PINE	19"	GOOD	PRESERVE					
322	RED MULBERRY	15"	VERY POOR	REMOVE					
323	BLACK WALNUT	12"	GOOD	PRESERVE					
324	BLACK WALNUT	9"	GOOD	PRESERVE					
325	BLACK WALNUT	11"	FAIR	REMOVE					
326	NORWAY SPRUCE	20"	FAIR	PRESERVI					
327	NORWAY SPRUCE	22"	FAIR	PRESERVE					
328	BLACK WALNUT	12"	FAIR	REMOVE					
329	NORWAY SPRUCE	20"	FAIR	REMOVE					
330	BOXELDER	7"	DEAD	REMOVE					
331	BLACK WALNUT	10"	GOOD	REMOVE					
332	BLACK WALNUT	8"	GOOD	PRESERVI					
333	RED MULBERRY	10"	POOR	REMOVE					
334	RED MULBERRY	12"	FAIR	PRESERVI					
335	CHINKAPIN OAK	24"	GOOD	PRESERVI					
336	BLACK WALNUT	9"	FAIR	PRESERVI					
337	CHINKAPIN OAK	12"	GOOD	PRESERVE					
338	BLACK WALNUT	6"	GOOD	PRESERVE					
339	CHINKAPIN OAK	6"	GOOD	PRESERVE					
340	BLACK WALNUT	6"	GOOD	PRESERVE					
341	BLACK WALNUT	10"	FAIR	PRESERVE					
342	BLACK WALNUT	10"	GOOD	PRESERVE					
343	CHINKAPIN OAK	7"	GOOD	PRESERVE					
344	BLACK WALNUT	7"	FAIR	PRESERVE					
345	BLACK WALNUT	7" 8"	FAIR	PRESERVE					
346	RED MULBERRY	9"	FAIR	PRESERVE					
347	CHINKAPIN OAK	_	POOR	REMOVE					
348	BLACK CHERRY	6" 6"	FAIR	PRESERVE					
349 350	HACKBERRY AMERICAN ELM	7"	POOR FAIR	REMOVE					
351	CHINKAPIN OAK	10"	GOOD	PRESERVE					
352	CHINKAPIN OAK	7"	FAIR	REMOVE					
353	FLOWERING PEAR	7"	FAIR	PRESERVE					
354	HACKBERRY	7"	FAIR	PRESERVE					
355	HACKBERRY	7"	FAIR	PRESERVE					
356	RED MULBERRY	21"	FAIR	PRESERVE					
350	RED MULBERRY	16"	FAIR	PRESERVE					
357	RED MULBERRY	12"	FAIR	PRESERVI					
358	BLACK CHERRY	6"	POOR	REMOVE					
360	RED MULBERRY	8"	FAIR	PRESERVI					
361	BLACK CHERRY	11"	FAIR	PRESERVE					
362	BLACK CHERRY	11"	FAIR	PRESERVE					
		11	LVIL	FINESERVE					
	ELOWEDING DEAD	7"	EVID	DDECED\/E					
363	FLOWERING PEAR	7" 6"	FAIR	PRESERV					

HACKBERRY

375 | FLOWERING PEAR | 12" |

380 RED MULBERRY 8"

381 | FLOWERING PEAR | 11"

387 | FLOWERING PEAR | 7"

392 RED MULBERRY 8"

393 RED MULBERRY 19"

OT A TUO	1101
STATUS	HGA
PRESERVED	
PRESERVED	333 East Erie Street
PRESERVED	Milwaukee, Wisconsin 53202
PRESERVED	Telephone 414,278.8200
REMOVED	
PRESERVED	
REMOVED	KORDA
PRESERVED	IONDA
PRESERVED	KORDA NEMETH ENGINEERING
PRESERVED	CIVIL/MECHANICAL/ELECTRICAL/
REMOVED	PLUMBING/STRUCTURAL/
REMOVED	TECHNOLOGY ENGINEER
PRESERVED	KORDA
PRESERVED	1650 WATERMARK DRIVE
REMOVED	COLMBUS, OH 43215
PRESERVED	614.487.1650
PRESERVED	
PRESERVED	
PRESERVED	
PRESERVED	LANDSCAPE ARCHITECT
REMOVED	
PRESERVED PRESERVED	MKSK 462 SOUTH LUDLOW ALLEY
REMOVED	COLUMBUS, OH 43215
PRESERVED	614.621.2796
PRESERVED	
REMOVED	
REMOVED	
REMOVED	
REMOVED	
PRESERVED	
REMOVED	
PRESERVED	MOUNT CARMEL
PRESERVED	
PRESERVED PRESERVED	HEALTH
PRESERVED	SYSTEM
PRESERVED	
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DEMOVED	MOLINIT CADMEL



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GOOD

GOOD

GOOD



HGA NO: 1927-004-00

PRESERVATION & REPLACEMENT

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT

I NA

REPLACEMENT CALCULATIONS

silver maple

PROTECTED TREES ≥ 6" CALIPER REPLACED AT 1" FOR 1" REMOVED

NOTE: TREE SURVEY PROVIDED BY KORDA

INCHES REMOVED **	REPLACEMENT TREES REQUIRED @ 2.5"
763"	305

** DEAD/VERY POOR NOT INCLUDED IN REPLACEMENT CALCULATIONS

PRESERVED

EXISTING TREE TO BE PRESERVED TREE PROTECTION FENCE, REFER: 1/L003

TREE PRESERVATION & REMOVAL LEGEND

EXISTING TREE TO BE

REMOVED AND COUNTED TOWARD

REPLACEMENT

TREE PRESERVATION & PROTECTION PLAN - ENG 1" = 30'-0"

EXISTING TREE TO

BE REMOVED

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/ TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

NO DESCRIPTION DATE

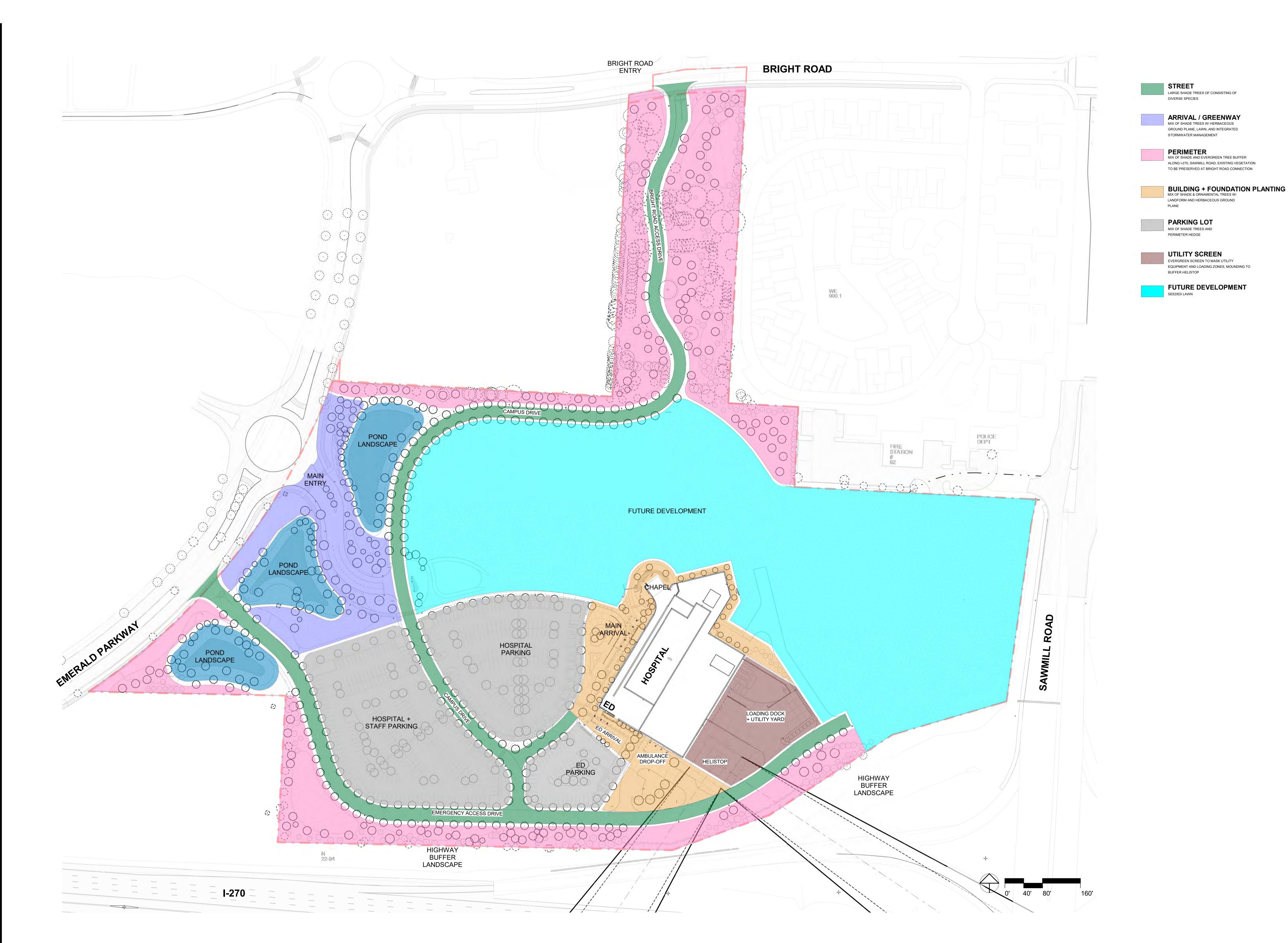
HGA NO: 1927-004-00

TREE 4 PRESERVATION = & REPLACEMENT

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022 😃

FINAL DEVELOPMENT



HGA

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

KORDA NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

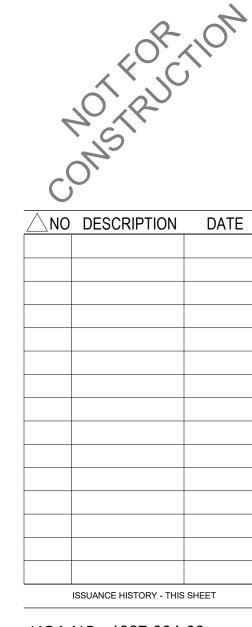
MKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



HGA NO: 1927-00

PLANTING NEW CHARACTER

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT
PLAN

L0.06

TREES AND SHRUBS

CODE	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	SPACING	QUANTITY
SHRUBS						
BU GV	Buxus x 'Green Velvet'	Green velvet boxwood	B&B	30" HT.		251
BU GV	Buxus x 'Green Velvet'	Green velvet boxwood	#3 CONT.			218
LI GL	Ilex glabra 'Chamzin' NORDIC	Nordic inkberry	B&B	30" HT.	30" O.C.	22
JU CH	Juniperus chinensis 'Sea Green'	Sea Green Juniper	B&B	24" HT.		908
TA ME	Taxus × media 'Everlow'	Everlow yew	#3 CONT.			47
	- 1	*			1	

AB CO	Abies concolor	White fir	B&B	6' HT.	PER PLAN	49
AC AR	Acer x freemanii 'Armstrong'	Armstrong maple	B&B	2.5" CALIPER	PER PLAN	8
AC CE	Acer x freemanii 'Celzam'	Celebration maple	B&B	3" CALIPER		12
AM GR	Amelanchier x grandiflora	Serviceberry	B&B	7' HT. CLUMP	PER PLAN	53
BE PO	Betula papyrifera 'Renci'	Renaissance Reflection® birch	B&B	14" HT. CLUMP	PER PLAN	17
CE CA	Cercis canadensis	Eastern redbud	B&B	6' HT. CLUMP		10
CO MA	Cornus mas	Cornelian cherry Dogwood	B&B	7' HT. CLUMP	PER PLAN	1
GY DI	Gymnocladus dioicus 'Espresso'	Espresso Kentucky coffee tree	B&B	3" CALIPER	PER PLAN	2
LI TU	Liriodendron tulipifera 'Emerald City'	Emerald City Tulip Tree	B&B	3" CALIPER	PER PLAN	3
MA LO	Malus x 'Louisa'	Louisa crabapple	B&B	2.5" CALIPER	PER PLAN	3
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum	B&B	2.5" CALIPER	PER PLAN	52
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum	B&B	3.5" CALIPER	PER PLAN	2
PI AB	Picea abies	Norway spruce	B&B	6' HT.	PER PLAN	103
PI GL	Picea glauca	White spruce	B&B	6' HT.	PER PLAN	19
PI OM	Picea omorika	Serbian spruce	B&B	6' HT.	PER PLAN	26
PL AC	Platanus × acerifolia Morton Circle'	EXCLAMATION! London plane tree	B&B	2.5" CALIPER	PER PLAN	50
PL AC	Platanus × acerifolia Morton Circle'	EXCLAMATION! London plane tree	B&B	3.5" CALIPER	PER PLAN	10
PR SE	Prunus serrulata 'Kwanzan'	Kwanzan cherry	B&B	2.5" CALIPER	PER PLAN	19
QU BI	Quercus bicolor	Swamp white oak	B&B	2.5" CALIPER	PER PLAN	94
QU CO	Quercus coccinea	Scarlet oak	B&B	3.5" CALIPER	PER PLAN	21
QU RU	Quercus rubra	Red oak	B&B	2.5" CALIPER		102
TA DI	Taxodium distichum	Bald cypress	B&B	2.5" CALIPER		94
TH OS	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	B&B	10' HT.	PER PLAN	20
TI AM	Tilia americana 'Redmond'	Redmond linden	B&B	2.5" CALIPER	PER PLAN	10
UL AM	Ulmus americana 'Princeton'	Princeton Elm	B&B	2.5" CALIPER		20
UL PA	Ulmus parvifolia	Lacebark elm	B&B	3.5" CALIPER	PER PLAN	11

BULBS & SPECIALTY

CODE	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	SPACING	Comments	Count
BULBS							
P19	Allium 'Ambassador', Allium 'Mount everest'	Ambassador Allium, Allium 'Mount everest',	BULB	24cm	PER PLAN	50% EACH VARIETY	24
P21	Narcissus 'Dutch Master',Narcissus 'Sailboat'	Dutch Master Daffodil, Daffodil Sailboat,	BULB	14-16 cm	PER PLAN	50% EACH VARIETY	84
SPECIA	ALTY						
P22	Paeonia lactiflora 'Paul M. Wild'	Paul M. Wild Double Peony	#3 CONT.	CLUMP	PER PLAN	50% EACH VARIETY	9

SCHEDULE - GROUNDCOVERS AND PERENNIALS

CODE	BOTANICAL NAME	COMMON NAME	DETAIL	SECTION	CONDITION	SPACING	PLANT QUANTITY
ANNUALS							
P6	SEASONAL PLANTING - ANNUALS	SEASONAL PLANTING - ANNUALS		32 93 00	4" CONTAINER	12 in	637
GROUNDCOVE	R & GRASS						
BO GR	Bouteloua gracilis	Blue Grama Grass		32 93 00	#2 CONTAINER	14 in	2760
CA AC	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass		32 93 00	#2 CONTAINER	18 in	2583
IM CY	Imperata cylindrica 'Red Baron'	Japanese blood grass 'Red Baron'		32 93 00	#8 SQUAT CONT	18 in	469
LI SP	Liriope Spicata	Creeping Lily Turf		32 93 00	2" CELL	10 in	761
PA TE	Pachysandra Terminalis 'Green Sheen'	Green Sheen Pachysandra		32 93 00	2" CELL	10 in	1780
PO AC	Polystichum acrostichoides	Christmas Fern		32 93 00	#2 CONTAINER	14 in	1995
VI MI	Vinca Minor	Common Periwinkle		32 93 00	2" CELL	12 in	8505
PERENNIALS M							
P5	Allium sphaerocephalon Drumstick, Amsonia x 'Blue Ice', Asclepias tuberosa, Coreopsis verticillata, Echinacea purpurea, Heuchera 'Delta Dawn', Heuchera 'Wildberry', Kniphofia uvaria 'Flamenco', Monarda didyma, Nepeta x faassenii 'Walker's Low', Rudbeckia fulgida var. speciosa 'Viette's Little Suzy', Symphyotrichum oblongifolius 'October Skies'	'Wildberry' Coral Bells, Red Hot Poker 'Flamenco', Scarlet Beebalm, walker's low catmint, Little Suzy Black-Eyed		32 93 00	#1 CONT.	14 in	911

SCHEDULE - TURF AND MEADOW MIXES

CODE	BOTANICAL NAME	COMMON NAME	DETAIL	SECTION	CONDITION	COMMENTS
URF & MEAD	OW					
P1	Turf	Turf / Lawn		32 92 00	SEED	REFER SPECS
P2	No Mow Turf	LESCO No Mow Fine Fescue Seed Mixture		32 92 19	SEED	www.lesco.com
P3	Shortgrass Prairie Seed Mix	Prairie Moon Nursery Shortgrass Inexpensive Prairie Seed Mix		32 92 19	SEED	www.prairiemoon.com
P4	Mixed-Height Prairie Seed Mix	Prairie Moon Nursery Mixed-Height Prairie Seed Mix		32 92 19	SEED	www.prairiemoon.com

NORTHWEST HEALTH 4105 EMERALD

MOUNT CARMEL

HEALTH

SYSTEM

333 East Erie Street

Milwaukee, Wisconsin 53202 Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL

PLUMBING/STRUCTURAL **TECHNOLOGY ENGINEER**

1650 WATERMARK DRIVE COLMBUS, OH 43215

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215

614.487.1650

614.621.2796

PLANTING NOTES

- 1. SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. SUBSTITUTIONS FOR PLANT MATERIALS WILL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
- 2. PROVIDE PLANT SAMPLES OR PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT FOR COMPLIANCE REVIEW PRIOR TO INSTALLATION.
- 3. PROTECT PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES AND THE DESICCATION OF LEAVES. PROTECT PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE TREES WITH NYLON STRAPS. NO CHAINS OR CABLES WILL BE ALLOWED. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.
- 4. PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.
- 5. VERIFY PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
- 6. STAKE BED LINES AND TREE LOCATIONS FOR THE LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.
- 7. REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS, GUYING AND STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.
- 8. ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".
- 9. TEST FILL EACH TREE AND PLANTING PIT WITH WATER, PRIOR TO PLANTING TO ASSURE PROPER SOIL PERCOLATION. PITS WHICH DO NOT ADEQUATELY DRAIN SHALL BE FURTHER SCARIFIED ALONG OUTER EDGES AND SIDES OF PIT. DO NOT DISTURB AREA SUPPORTING TREE BALL. REPEAT TEST. ALLOWANCES WILL NOT BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE.
- 10. PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS OF THE AREA TO ASSURE COMPLETE SURVIVABILITY OF PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT.
- 11. REMOVE PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
- 12. PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION AND MAINTAINED WEED FREE THROUGH FINAL ACCEPTANCE.

NATIVE SEED AND NO MOW TURF MAINTENANCE

MAINTENANCE

- A. Maintenance by Contractor:
- 1. Maintenance Bond is required for this scope of work.
- 2. Maintenance begins upon the Landscape Architect's acceptance of "Substantial Completion" of the Native Grasses and Forbs scope of work.
- a. Time Period: Three (3) full growing seasons.
- 1) Example: Seeding installation completed and accepted prior to June 1, 2022, contractor shall be responsible for maintenance through May 31, 2025. 2) Example: Seeding installation completed and accepted between Nov 15, 2022 through Feb. 15, 2023, contractor shall be responsible for maintenance through Nov 1, 2025.

B. Maintenance by Owner: Begins after three full growing seasons and "Final Acceptance".

- C. Contractor Responsibilities during the Maintenance Period shall include but not limited to: 1. Watering, weeding, mowing, trimming, replanting, and performing other operations as required to establish a healthy, viable prairie. Roll, regrade, and replant bare or eroded areas and
- remulch. Provide materials and installation the same as those used in the original installation.
- 2. Controlling exotic and invasive species, and any other factor that may contribute to the failure of the natural area establishment.
- 3. Providing the equivalent of 1 inch of water per week for the first 6 to 8 weeks.
- 4. Providing supervisors and crew who are experienced with identification of both native and non-native plants. 5. Providing crew members performing chemical applications must be licensed in accordance with state laws pertaining to the specific application being performed.

2. Water prairie with fine spray at a minimum rate of 1/2 inch per week for six weeks after planting unless rainfall precipitation is adequate.

- 6. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and prairie damaged or lost in areas of subsidence.
- 7. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement. 8. Apply treatments as required to keep prairie and soil free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards.
- D. Watering: Install and maintain temporary piping, hoses, and prairie-watering equipment to convey water from sources and to keep prairie uniformly moist. 1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas. Revise rate of watering in subparagraph below to suit Project. Revise watering requirements according to prairie seed vendor's written recommendations.

POST PLANTING MANAGEMENT FOR NATIVE GRASSES

First year: (Contractor's Responsibility)

1. As weeds establish and grow faster than perennial grasses and wildflowers, it is required that the seeded area be mowed at a height not to exceed 6 inches through Mid-September of the first year. Flail mowers and string trimmers are recommended since cuttings are deposited at the top of cut stems where they can dry out rapidly. Rotary and sickle bar mowers deposit cuttings in a manner that smothers prairie seedlings. Mow the seeded area to maintain grasses and weeds. Do not mow after August 1st. 2. Watering: supplemental watering during the first six weeks after planting encourages higher germination of seedling survival or root development for plugs. During periods of dry conditions throughout the first year, regular watering should occur as necessary to ensure proper establishment of the planting bed. Supplemental watering shall be performed until the nurse crop is well established. The owner shall be responsible for supplying water however all labor and material required for supplemental watering shall be the responsibility of the contractor.

Second year: (Contractor Responsibility)

- 1. Mow prairie plantings to a height of three inches and rake off cuttings in early spring.
- 2. If weeds become a problem, they should be mowed in the late spring or early summer. Mow or cut weeds back below one foot in height when in full bloom. The Contractor shall be responsible for all management practices subsequent to the initial mowing of the second year.

Third year maintenance: (Contractor Responsibility)

1. Mow prairie plantings no later than mid-spring and before plantings reach 1 foot in height and remove the mowed cuttings. 2. Rotational mowing – mowing portions of the site on alternating yearly intervals – allows wildlife species to flourish that would otherwise be disturbed or destroyed by mowing (or burning)

Fourth and Fifth Year; and future annual maintenance: (Owner Responsibility)

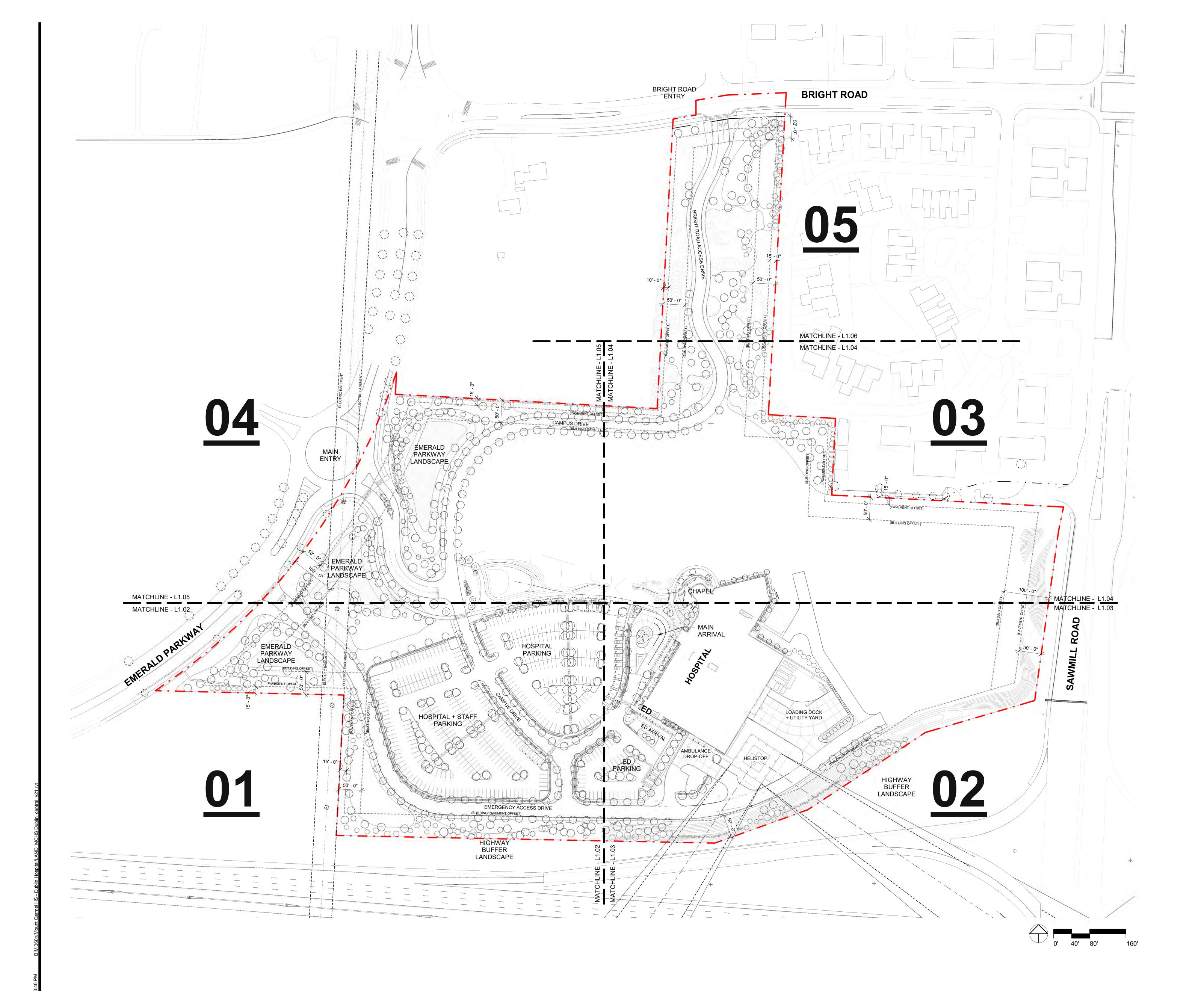
1. Mow prairie plantings no later than mid-spring and before plantings reach 1 foot in height and remove the mowed cuttings. 2. Rotational mowing – mowing portions of the site on alternating yearly intervals – allows wildlife species to flourish that would otherwise be disturbed or destroyed by mowing (or burning) NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 1927-004-00

PLANTING **3** NOTES AND SCHEDULE

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT



HGA

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414,278,8200

KORDA NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



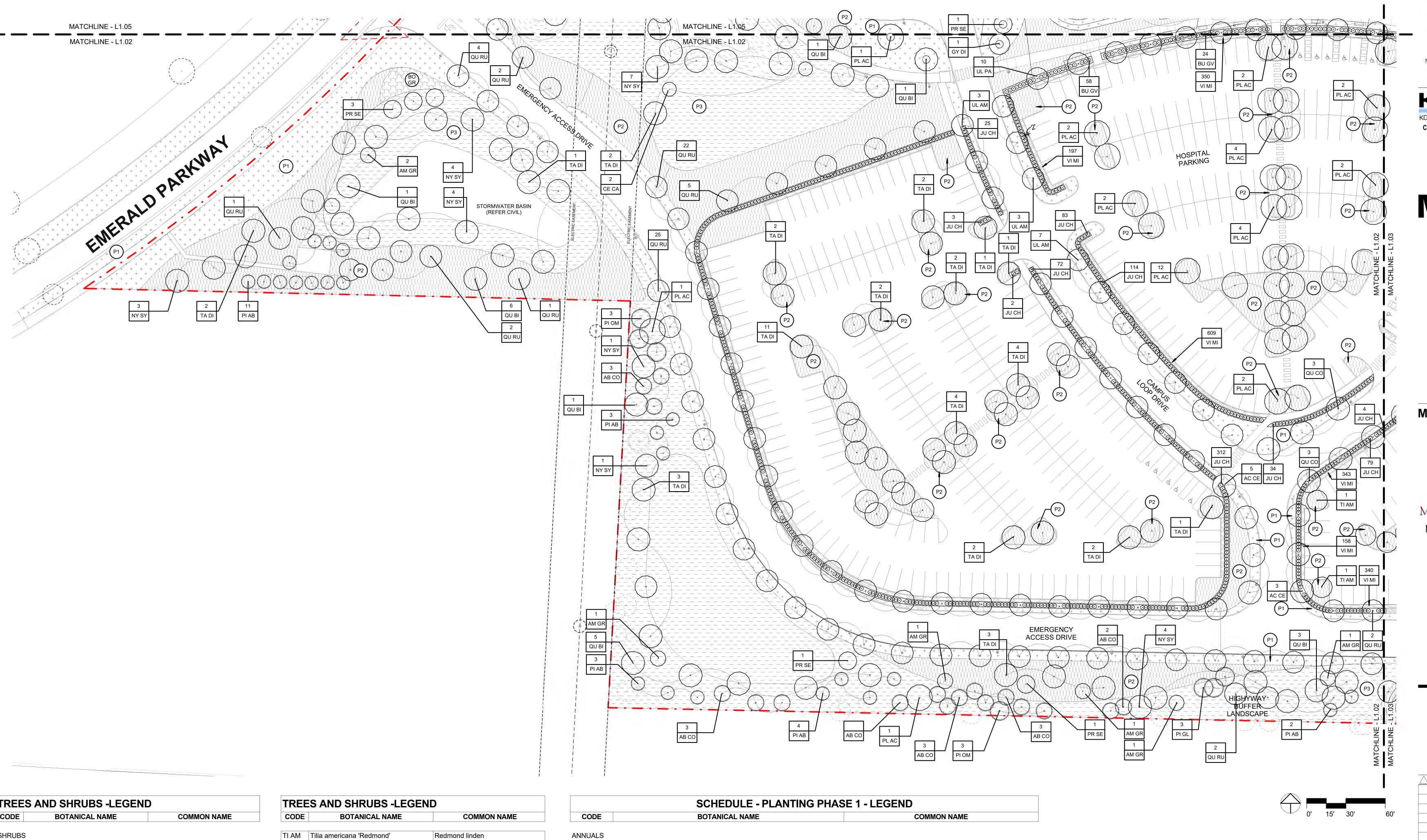
ORTHWEST HEALTH
CAMPUS
4105 EMERALD
PARKWAY
DUBLIN, OH



PLANTING KEY PLAN

PATE: SEPTEMBER 06, 2022
FINAL DEVELOPMENT

1 1 01



CODE	BOTANICAL NAME	COMMON NAME
SHRUBS	2	
BU GV	T	Green velvet boxwood
BU GV	Buxus x 'Green Velvet'	Green velvet boxwood
LI GL	Ilex glabra 'Chamzin' NORDIC	Nordic inkberry
JU CH	Juniperus chinensis 'Sea Green'	Sea Green Juniper
TA ME	Taxus × media 'Everlow'	Everlow yew
TREES		
AB CO	Abies concolor	White fir
AC AR	Acer x freemanii 'Armstrong'	Armstrong maple
AC CE	Acer x freemanii 'Celzam'	Celebration maple
AM GR	Amelanchier x grandiflora	Serviceberry
BE PO	Betula papyrifera 'Renci'	Renaissance Reflection® birch
CE CA	Cercis canadensis	Eastern redbud
CO MA	Cornus mas	Cornelian cherry Dogwood
GY DI	Gymnocladus dioicus 'Espresso'	Espresso Kentucky coffee tree
LI TU	Liriodendron tulipifera 'Emerald City'	Emerald City Tulip Tree
MA LO	Malus x 'Louisa'	Louisa crabapple
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum
PI AB	Picea abies	Norway spruce
PI GL	Picea glauca	White spruce
PI OM	Picea omorika	Serbian spruce
PL AC	Platanus × acerifolia Morton Circle'	EXCLAMATION! London plane tree
PL AC	Platanus × acerifolia Morton Circle'	EXCLAMATION! London plane tree
PR SE	Prunus serrulata 'Kwanzan'	Kwanzan cherry
QU BI	Quercus bicolor	Swamp white oak
QU CO	Quercus coccinea	Scarlet oak
QU RU	Quercus rubra	Red oak

Bald cypress

Emerald Arborvitae

TA DI Taxodium distichum

TH OS Thuja occidentalis 'Smaragd'

CODE	BOTANICAL NAME	COMMON NAME
TI AM	Tilia americana 'Redmond'	Redmond linden
UL AM	Ulmus americana 'Princeton'	Princeton Elm
UL PA	Ulmus parvifolia	Lacebark elm

BULBS & SPECIALTY PLANTING -LEGEND				
CODE	BOTANICAL NAME	COMMON NAME		
BULBS	3			
P19	Allium 'Ambassador', Allium 'Mount everest'	Ambassador Allium, Allium 'Mount everest',		
P21	Narcissus 'Dutch Master',Narcissus 'Sailboat'	Dutch Master Daffodil, Daffodil Sailboat,		
SPECI	ALTY			
P22	Paeonia lactiflora 'Paul M. Wild'	Paul M. Wild Double Peony		

CODE	BOTANICAL NAME	COMMON NAME
CODE	BOTANICAL IVAIVIE	COMMON NAME
ANNUALS		
P6	SEASONAL PLANTING - ANNUALS	SEASONAL PLANTING - ANNUALS
GROUNDC	OVER & GRASS	
BO GR	Bouteloua gracilis	Blue Grama Grass
CA AC	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass
IM CY	Imperata cylindrica 'Red Baron'	Japanese blood grass 'Red Baron'
LI SP	Liriope Spicata	Creeping Lily Turf
PA TE	Pachysandra Terminalis 'Green Sheen'	Green Sheen Pachysandra
PO AC	Polystichum acrostichoides	Christmas Fern
VI MI	Vinca Minor	Common Periwinkle
PERENNIAL	LS MIX	
P5	Allium sphaerocephalon Drumstick, Amsonia x 'Blue Ice', Asclepias tuberosa, Coreopsis verticillata, Echinacea purpurea, Heuchera 'Delta Dawn', Heuchera 'Wildberry', Kniphofia uvaria 'Flamenco', Monarda didyma, Nepeta x faassenii 'Walker's Low', Rudbeckia fulgida var. speciosa 'Viette's Little Suzy', Symphyotrichum oblongifolius 'October Skies'	Drumstick Allium, Blue Ice Bluestar, Butterfly Weed, Thread Leaf Coreopsis, Purple Coneflower, 'Delta Dawn' Coral Bells, 'Wildberry' Coral Bells, Red Hot Poker 'Flamenco', Scarlet Beebalm, walker's low catmint, Little Suzy Black-Eyed Susan, October Skies Aster
TURF & ME	ADOW	
P1	Turf	Turf / Lawn
P2	No Mow Turf	LESCO No Mow Fine Fescue Seed Mixture
P3	Shortgrass Prairie Seed Mix	Prairie Moon Nursery Shortgrass Inexpensive Prairie Seed Mix
P4	Mixed-Height Prairie Seed Mix	Prairie Moon Nursery Mixed-Height Prairie Seed Mix

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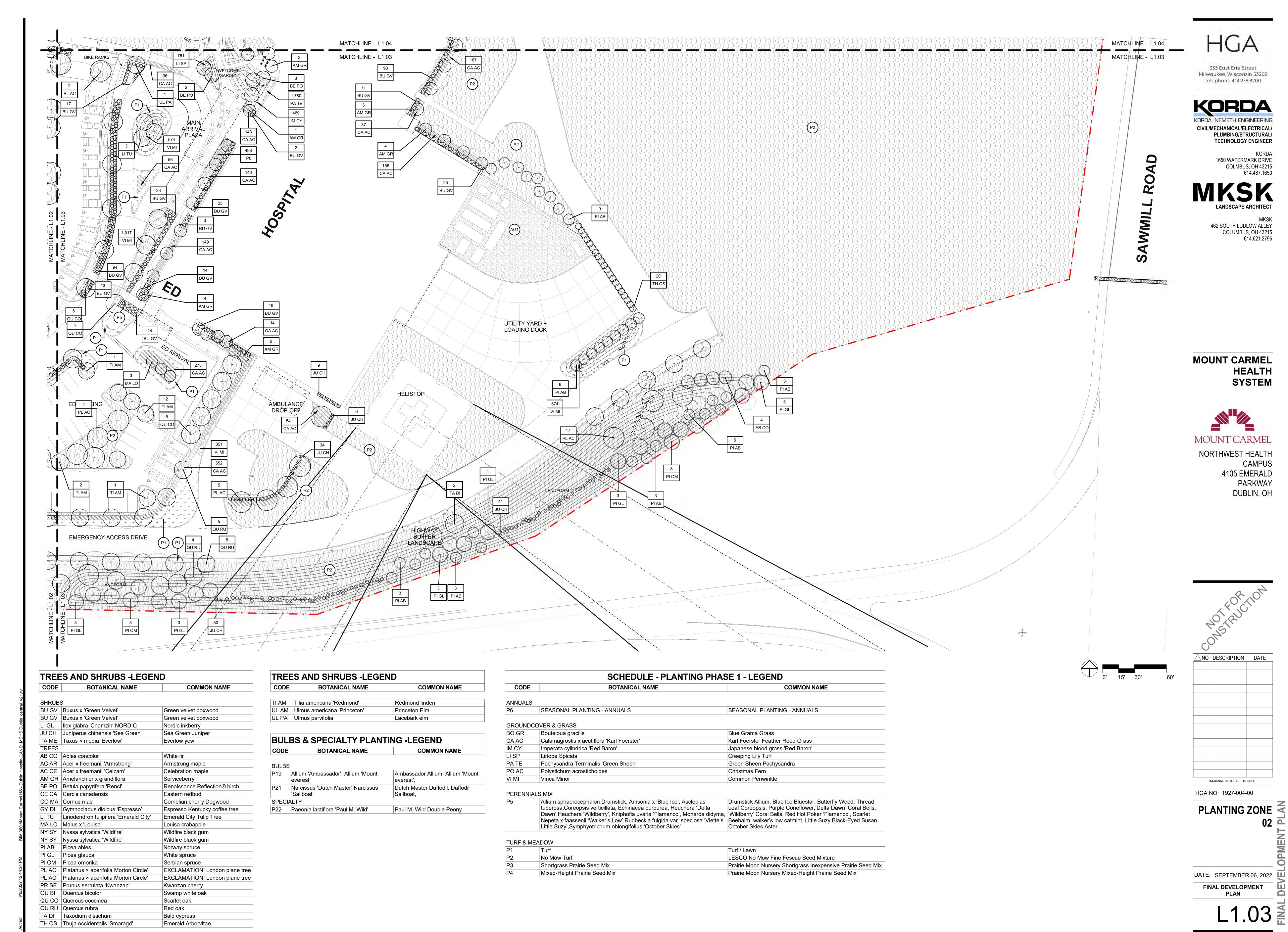
MOUNT CARMEL HEALTH SYSTEM

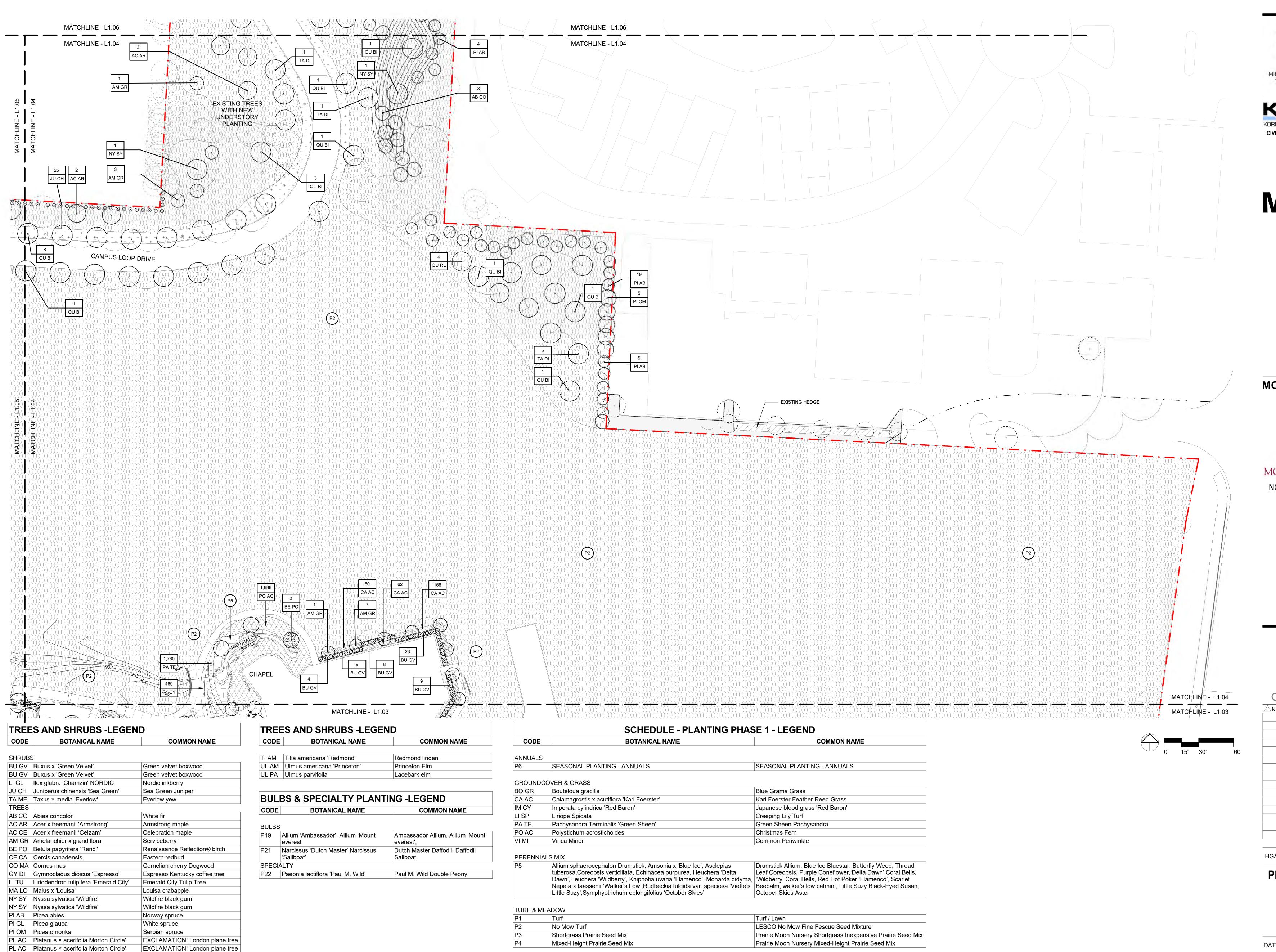


NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

△NO DESCRIPTION DATE

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT PLAN





PL AC Platanus × acerifolia Morton Circle

Kwanzan cherry

Scarlet oak

Bald cypress

Red oak

Swamp white oak

Emerald Arborvitae

PR SE Prunus serrulata 'Kwanzan'

TH OS Thuja occidentalis 'Smaragd'

QU BI Quercus bicolor

QU RU Quercus rubra

QU CO | Quercus coccinea

TA DI Taxodium distichum

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MOUNT CARMEL HEALTH SYSTEM



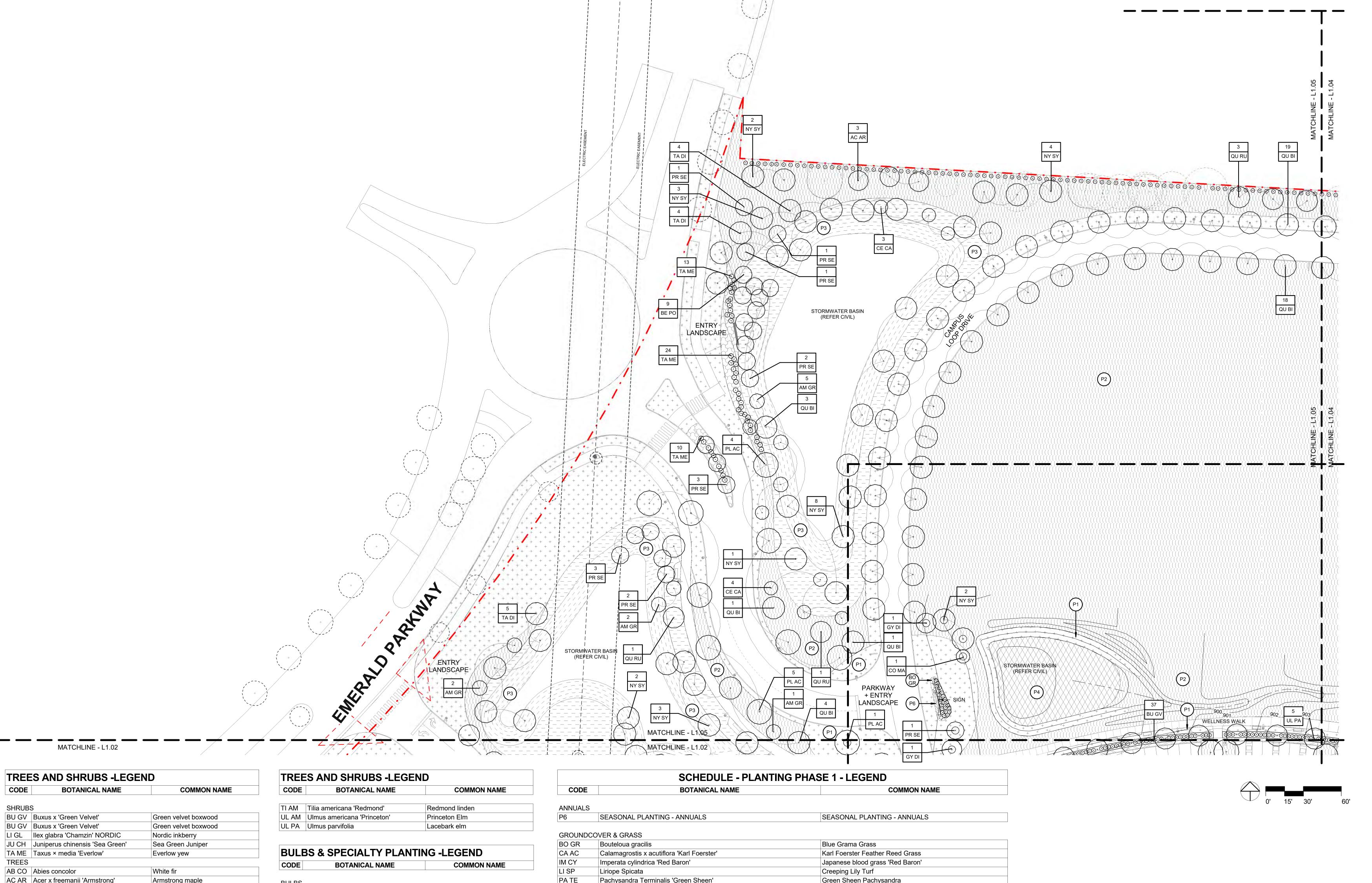
PARKWAY

DUBLIN, OH

NO DESCRIPTION DATE



DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT



Mixed-Height Prairie Seed Mix

AC AR Acer x freemanii 'Armstrong' Armstrong maple AC CE Acer x freemanii 'Celzam' Celebration maple AM GR Amelanchier x grandiflora Serviceberry BE PO Betula papyrifera 'Renci' Renaissance Reflection® birch CE CA | Cercis canadensis CO MA Cornus mas Cornelian cherry Dogwood GY DI Gymnocladus dioicus 'Espresso' Espresso Kentucky coffee tree LI TU Liriodendron tulipifera 'Emerald City' Emerald City Tulip Tree MA LO Malus x 'Louisa' Louisa crabapple NY SY Nyssa sylvatica 'Wildfire' Wildfire black gum NY SY Nyssa sylvatica 'Wildfire' Wildfire black gum PI AB Picea abies Norway spruce PI GL Picea glauca White spruce Serbian spruce PI OM Picea omorika PL AC Platanus × acerifolia Morton Circle' EXCLAMATION! London plane tree PL AC Platanus × acerifolia Morton Circle' EXCLAMATION! London plane tree Kwanzan cherry PR SE Prunus serrulata 'Kwanzan'

Swamp white oak

Emerald Arborvitae

Scarlet oak

Bald cypress

Red oak

QU BI Quercus bicolor

QU RU Quercus rubra

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TH OS Thuja occidentalis 'Smaragd'

TI AM	Tilia americana 'Redmond'	Redmond linden
UL AM	Ulmus americana 'Princeton'	Princeton Elm
UL PA	Ulmus parvifolia	Lacebark elm
DIII	DC 9 CDECIAL TV DI ANT	INO LEOFNE
	BS & SPECIALTY PLANT	
CODE	BOTANICAL NAME	COMMON NAME
	BOTANICAL NAME	
CODE	BOTANICAL NAME	

|Sailboat,

Paul M. Wild Double Peony

∣'Sailboat'

P22 Paeonia lactiflora 'Paul M. Wild'

SPECIALTY

CODE	BOTANICAL NAME	COMMON NAME
ANNUALS		
P6	SEASONAL PLANTING - ANNUALS	SEASONAL PLANTING - ANNUALS
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PA TE	Pachysandra Terminalis 'Green Sheen'	Green Sheen Pachysandra
PO AC	Polystichum acrostichoides	Christmas Fern
VI MI	Vinca Minor	Common Periwinkle
PERENNIA		
P5	Allium sphaerocephalon Drumstick, Amsonia x 'Blue Ice', Asclepias tuberosa, Coreopsis verticillata, Echinacea purpurea, Heuchera 'Delta Dawn', Heuchera 'Wildberry', Kniphofia uvaria 'Flamenco', Monarda didyma, Nepeta x faassenii 'Walker's Low', Rudbeckia fulgida var. speciosa 'Viette's Little Suzy', Symphyotrichum oblongifolius 'October Skies'	Drumstick Allium, Blue Ice Bluestar, Butterfly Weed, Thread Leaf Coreopsis, Purple Coneflower, 'Delta Dawn' Coral Bells, 'Wildberry' Coral Bells, Red Hot Poker 'Flamenco', Scarlet Beebalm, walker's low catmint, Little Suzy Black-Eyed Susan October Skies Aster
TURF & ME	ADOW	
P1	Turf	Turf / Lawn
P2	No Mow Turf	LESCO No Mow Fine Fescue Seed Mixture
P3	Shortgrass Prairie Seed Mix	Prairie Moon Nursery Shortgrass Inexpensive Prairie Seed M

Prairie Moon Nursery Mixed-Height Prairie Seed Mix

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MOUNT CARMEL HEALTH **SYSTEM**

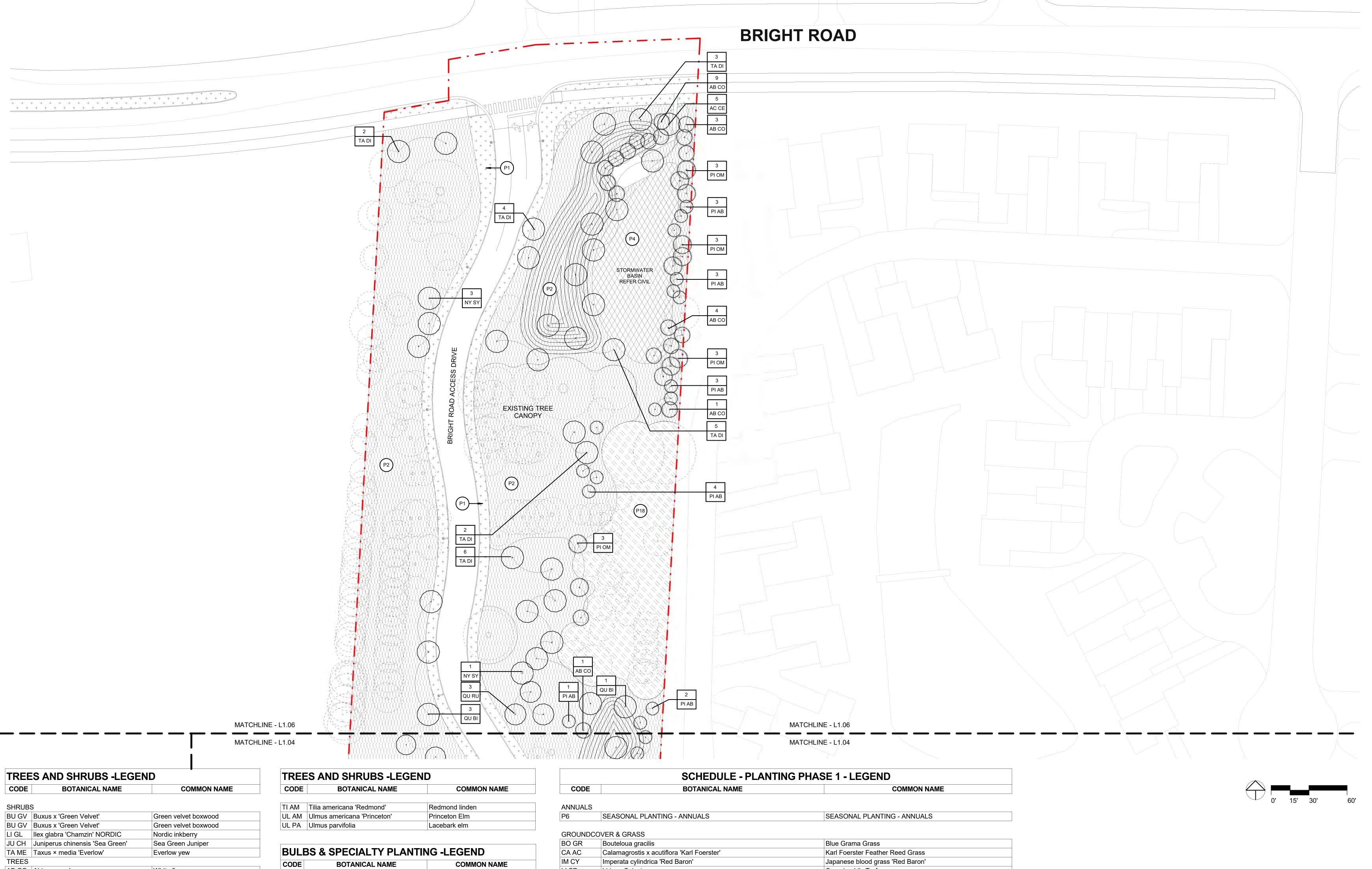


NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT PLAN



AB CO Abies concolor AC AR Acer x freemanii 'Armstrong' AC CE Acer x freemanii 'Celzam' AM GR Amelanchier x grandiflora BE PO Betula papyrifera 'Renci' CE CA Cercis canadensis CO MA Cornus mas GY DI Gymnocladus dioicus 'Espre LI TU Liriodendron tulipifera 'Emer MA LO Malus x 'Louisa' NY SY Nyssa sylvatica 'Wildfire' NY SY Nyssa sylvatica 'Wildfire' PI AB Picea abies PI GL Picea glauca

1 / \ IVIL	Taxas " Ilicaia Evoliow	LVC110VV yCVV
TREES		
AB CO	Abies concolor	White fir
AC AR	Acer x freemanii 'Armstrong'	Armstrong maple
AC CE	Acer x freemanii 'Celzam'	Celebration maple
AM GR	Amelanchier x grandiflora	Serviceberry
BE PO	Betula papyrifera 'Renci'	Renaissance Reflection® birch
CE CA	Cercis canadensis	Eastern redbud
CO MA	Cornus mas	Cornelian cherry Dogwood
GY DI	Gymnocladus dioicus 'Espresso'	Espresso Kentucky coffee tree
LI TU	Liriodendron tulipifera 'Emerald City'	Emerald City Tulip Tree
MA LO	Malus x 'Louisa'	Louisa crabapple
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum
NY SY	Nyssa sylvatica 'Wildfire'	Wildfire black gum
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BULBS & SPECIALTY PLANTING -LEGEND		
CODE	BOTANICAL NAME	COMMON NAME
BULBS	3	
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P21	Narcissus 'Dutch Master',Narcissus 'Sailboat'	Dutch Master Daffodil, Daffodil Sailboat,
SPECI	AI TY	'

Paul M. Wild Double Peony

P22 Paeonia lactiflora 'Paul M. Wild'

BO GR	Bouteloua gracilis	Blue Grama Grass
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IM CY	Imperata cylindrica 'Red Baron'	Japanese blood grass 'Red Baron'
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PA TE	Pachysandra Terminalis 'Green Sheen'	Green Sheen Pachysandra
PO AC	Polystichum acrostichoides	Christmas Fern
VI MI	Vinca Minor	Common Periwinkle

PEREININIALS	PEREININIALS IVIIX	
P5	Allium sp	

J WILX	
Allium sphaerocephalon Drumstick, Amsonia x 'Blue Ice', Asclepias	Drumstick Allium, Blue Ice Bluestar, Butterfly Weed, Thread
tuberosa,Coreopsis verticillata, Echinacea purpurea, Heuchera 'Delta	Leaf Coreopsis, Purple Coneflower, 'Delta Dawn' Coral Bells,
Dawn', Heuchera 'Wildberry', Kniphofia uvaria 'Flamenco', Monarda didyma,	'Wildberry' Coral Bells, Red Hot Poker 'Flamenco', Scarlet
Nepeta x faassenii 'Walker's Low',Rudbeckia fulgida var. speciosa 'Viette's	Beebalm, walker's low catmint, Little Suzy Black-Eyed Susan,
Little Suzy', Symphyotrichum oblongifolius 'October Skies'	October Skies Aster

JRF &	MEADOW	
1	Turf	Turf / Lawn
2	No Mow Turf	LESCO No Mow Fine Fescue Seed Mixture
3	Shortgrass Prairie Seed Mix	Prairie Moon Nursery Shortgrass Inexpensive Prairie Seed Mix
4	Mixed-Height Prairie Seed Mix	Prairie Moon Nursery Mixed-Height Prairie Seed Mix



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MOUNT CARMEL HEALTH SYSTEM

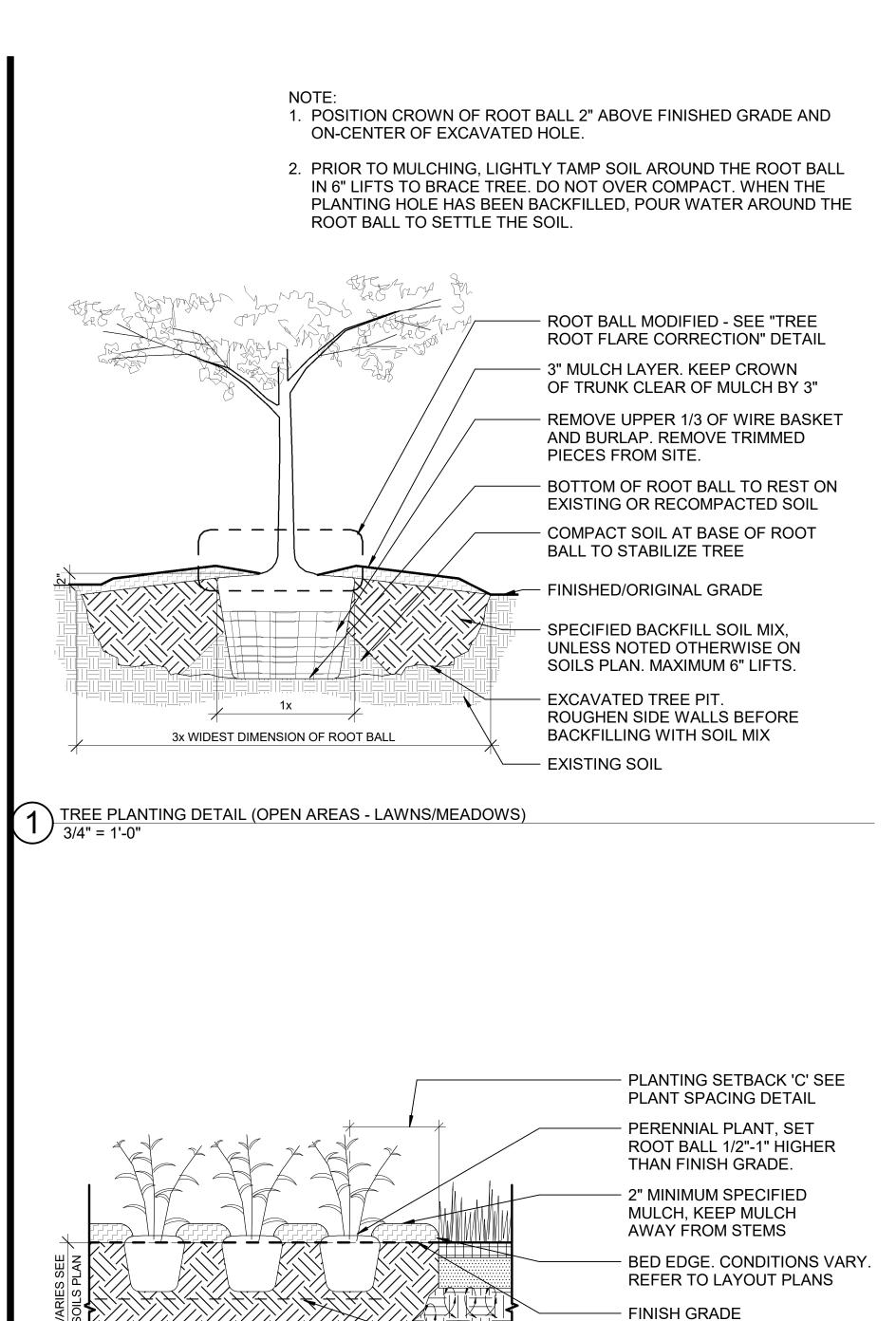


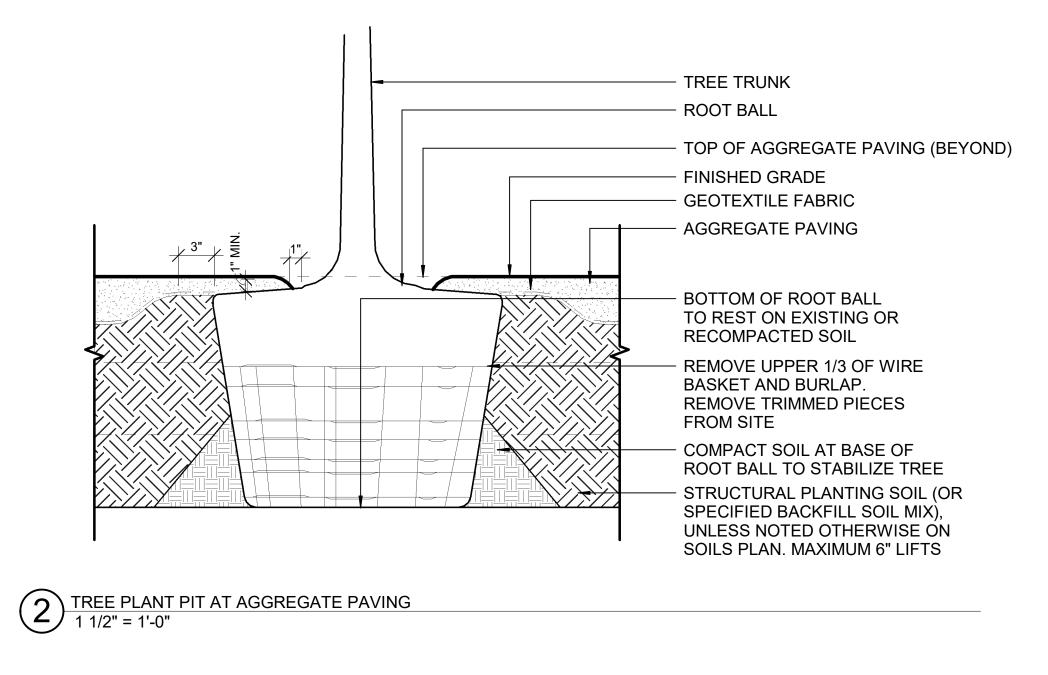
NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

△NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT PLAN





- SET ROOT BALL 1-2" ABOVE

FINISH GRADE PROVIDING

- MULCH - SEE SPECIFICATION

FOR THICKNESS. MAINTAIN

PLANTING PIT OVER TIME

MULCH 2-3" OFF TRUNK BASE

MOUND SOIL MIX APPROX. 1" HIGH TO TEMPORARILY CONTAIN WATER OVER

ROOT BALL. MOUND TO SETTLE INTO

INSTALLATION DETAIL AND SOIL PLANS

FOR DEPTH OF SOIL, SOIL MIX TYPE

- STABILIZED AGGREGATE PAVING

AND TRANSITION LAYER INFORMATION

FINISH GRADE - SLOPE EDGE OF

REFER TO PLANTING SOIL MIX

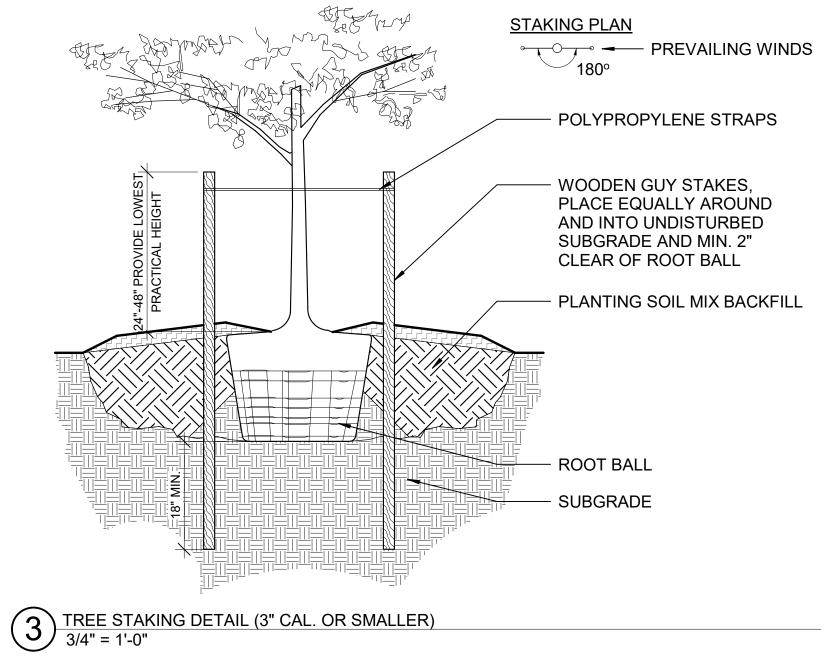
CENTER OF PLANT

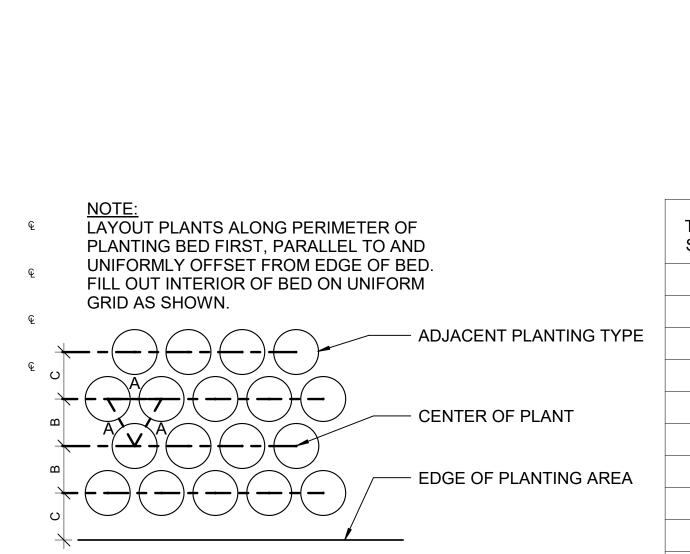
OF PLANT

PLANTING BED

SUBGRADE

POSITIVE DRAINAGE AWAY FROM





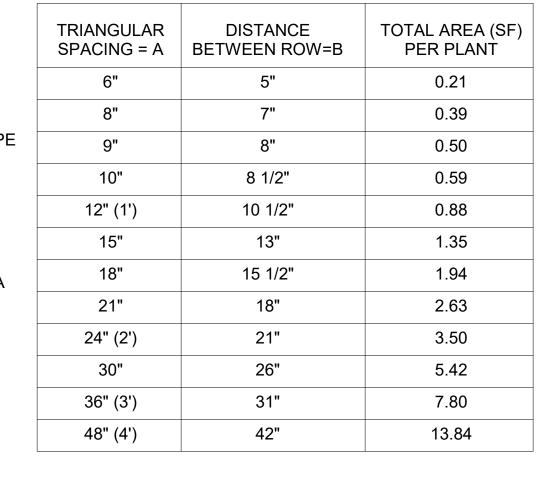
"C"=30" SETBACK FOR SHRUBS

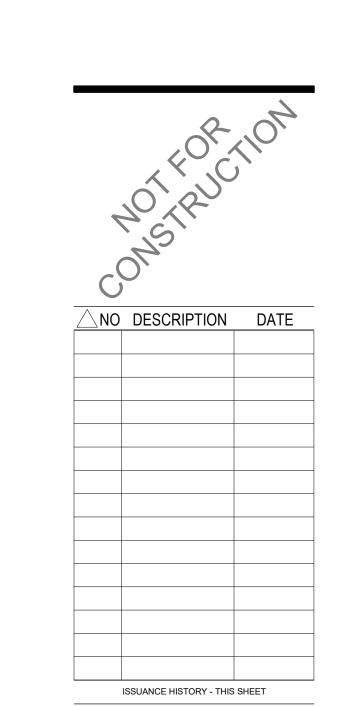
6 PLANT SPACING, TYPICAL
1" = 1'-0"

18" SETBACK FOR PERENNIALS

12" SETBACK FOR GROUNDCOVER

TRIANGULAR SPACING = A	DISTANCE BETWEEN ROW=B	TOTAL AREA (SF) PER PLANT
6"	5"	0.21
8"	7"	0.39
9"	8"	0.50
10"	8 1/2"	0.59
12" (1')	10 1/2"	0.88
15"	13"	1.35
18"	15 1/2"	1.94
21"	18"	2.63
24" (2')	21"	3.50
30"	26"	5.42
36" (3')	31"	7.80
48" (4')	42"	13.84





FINAL DEVELOPMENT PLAN

MATERIAL: EXPOSED GRANITE COLOR: BIRCHWOOD PEBBLES MANUFACTURER: KAFKAGRANITE STABILIZED CRUSHED AGGREGATE COMPACTED AGGREGATE BASE.

> - PROOFROLL SUBGRADE IN ACCORDANCE W/ MANUFACTURER'S RECOMMENDATION

COURSE ODOT ITEM 304

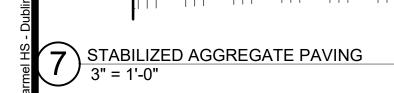
- PLANTING SOIL AT 6"

MAXIMUM LIFTS. SEE PLANTING SOIL MIX

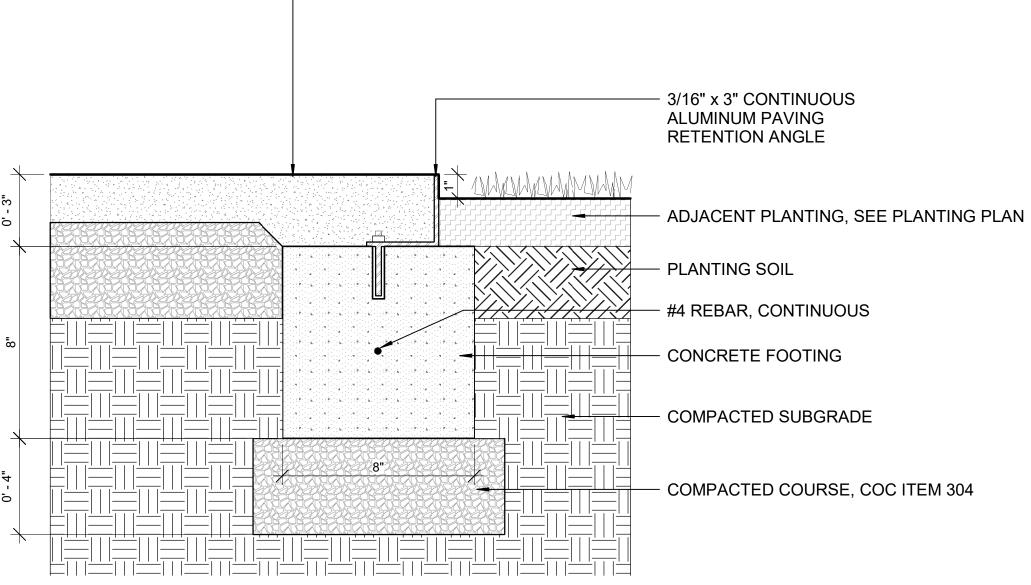
INSTALLATION DETAIL

TRANSITION LAYER

- PLANTING SOIL.



PERENNIAL PLANTING
1" = 1'-0"



SPACING A OR B

SEE PLANT SPACING DETAIL

5 SHRUB PLANTING DETAIL (MASS PLANTING AND HEDGES)
1" = 1'-0"

8 AGGREGATE PAVING EDGE RESTRAINT
3" = 1'-0"

TECHNOLOGY ENGINEER 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

> **MOUNT CARMEL HEALTH SYSTEM**

333 East Erie Street

Milwaukee, Wisconsin 53202

Telephone 414.278.8200

KORDA

KORDA/NEMETH ENGINEERING

CIVIL/MECHANICAL/ELECTRICAL/

PLUMBING/STRUCTURAL/

KORDA

MOUNT CARMEL NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

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PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

VIKSK LANDSCADE ADCHITECT

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MOUNT CARMEL HEALTH SYSTEM



PARKWAY

DUBLIN, OH

NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

PEDESTRIAN AND BICYCLE CIRCULATION

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT
PLAN

1201



Furnishing Standard - Victor Stanley RB-28 Bench 1" = 1'-0"



Furnishing Standard - Victor Stanley RB-36 Litter Receptacle
1" = 1'-0"



Furnishing Standard - Victor Stanley BRQS-101 Bike Rack
1" = 1'-0"

MOUNT CARMEL HEALTH SYSTEM

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CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

△NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET HGA NO: 1927-004-00

FINAL DEVELOPMENT PLAN

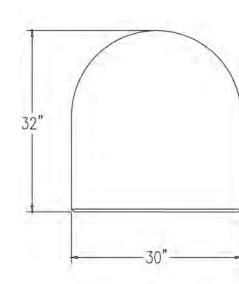


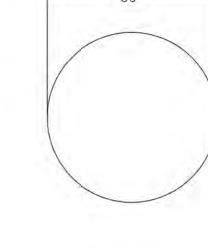
TF6011

Heavy Duty Concrete Bollard

Product Data Size 30" dia x 32" h Weight 1500 lbs Material Reinforced Concrete Option A - (4) 3/8" Threaded Anchoring Option B - 4" dia x 14" Core Factory Sealed







ELEVATION VIEW

TOP VIEW

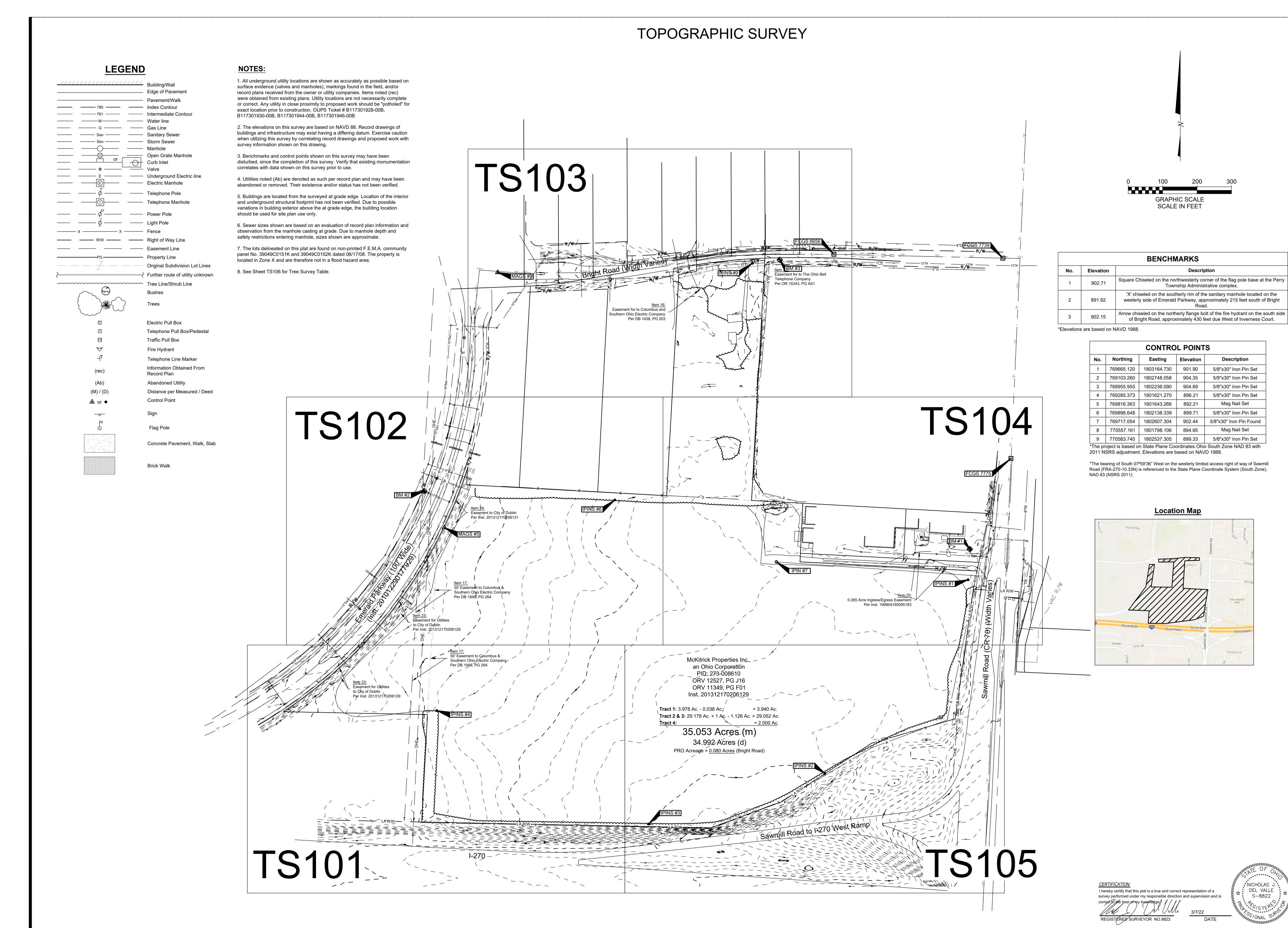
Site Furnishings Limited Warranty:

For a period of two (2) years for concrete products, one (1) year for plastic products and five (5) years for metal products when the customer has received their product, Wausau Tile, Inc. warrants its concrete products against defects in workmanship and materials per industry standards. This warranty does not cover the above products for cracking and faulting caused by settling due to an improper base; nor does it cover damage caused by impact, vandalism or natural disaster.

CALL FOR FURTHER DETAILS & PRICING.

P: 800.388.8728 | E: wtile@wausautile.com | WAUSAUTILE.COM

Furnishing Standard - Wausau Tile TF 6011 Bollard
1" = 1'-0"



333 East Erie Street
Milwaukee, Wisconsin 53202
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KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215

PLUMBING/STRUCTURAL/

TECHNOLOGY ENGINEER

MKSK

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM

MOUNT CARMEL

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

FUTURE AREA B

AREA C

AREA E

AREA D

NOT FOR TION

NO DESCRIPTION DATE

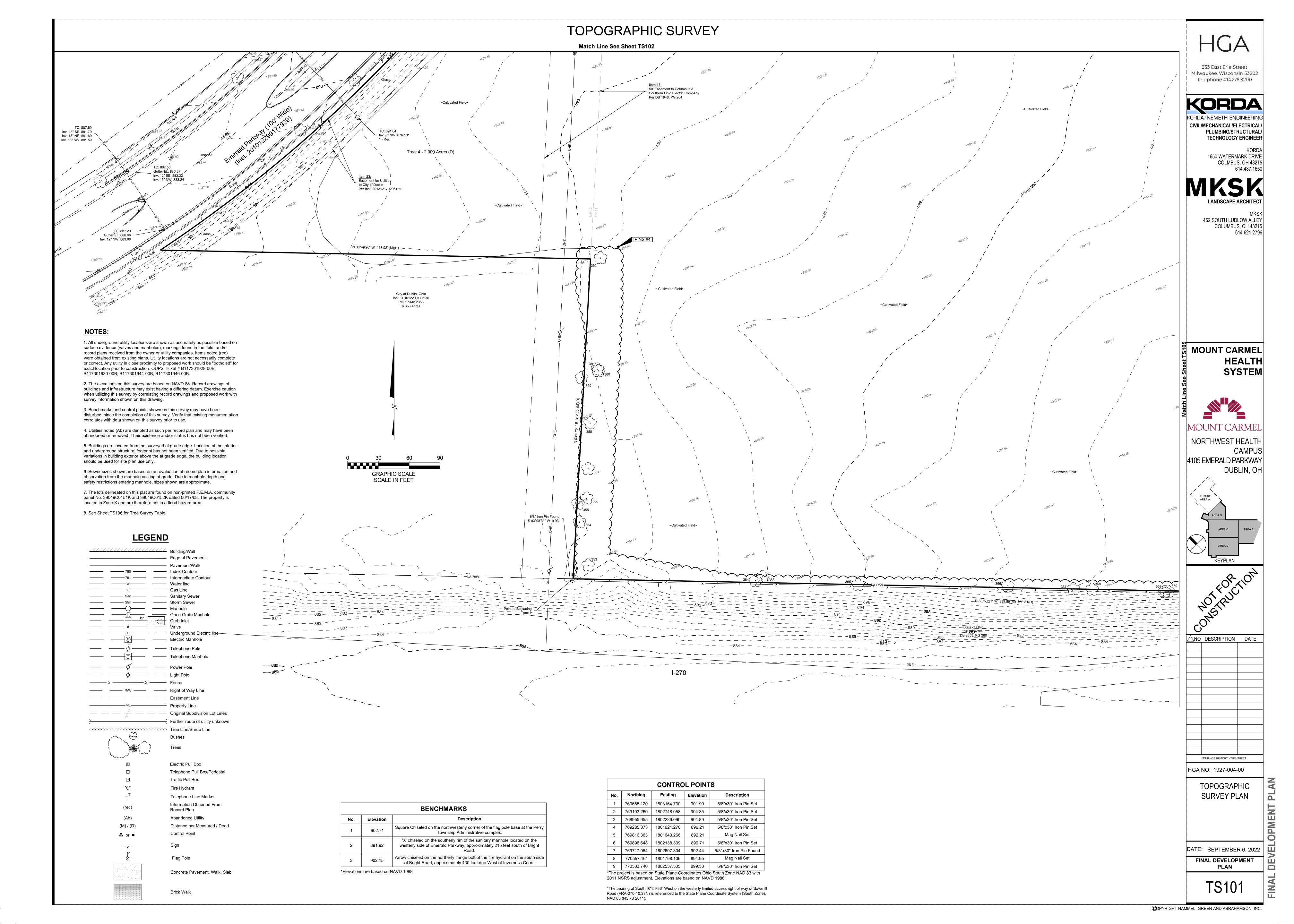
ISSUANCE HISTORY - THIS SHEET

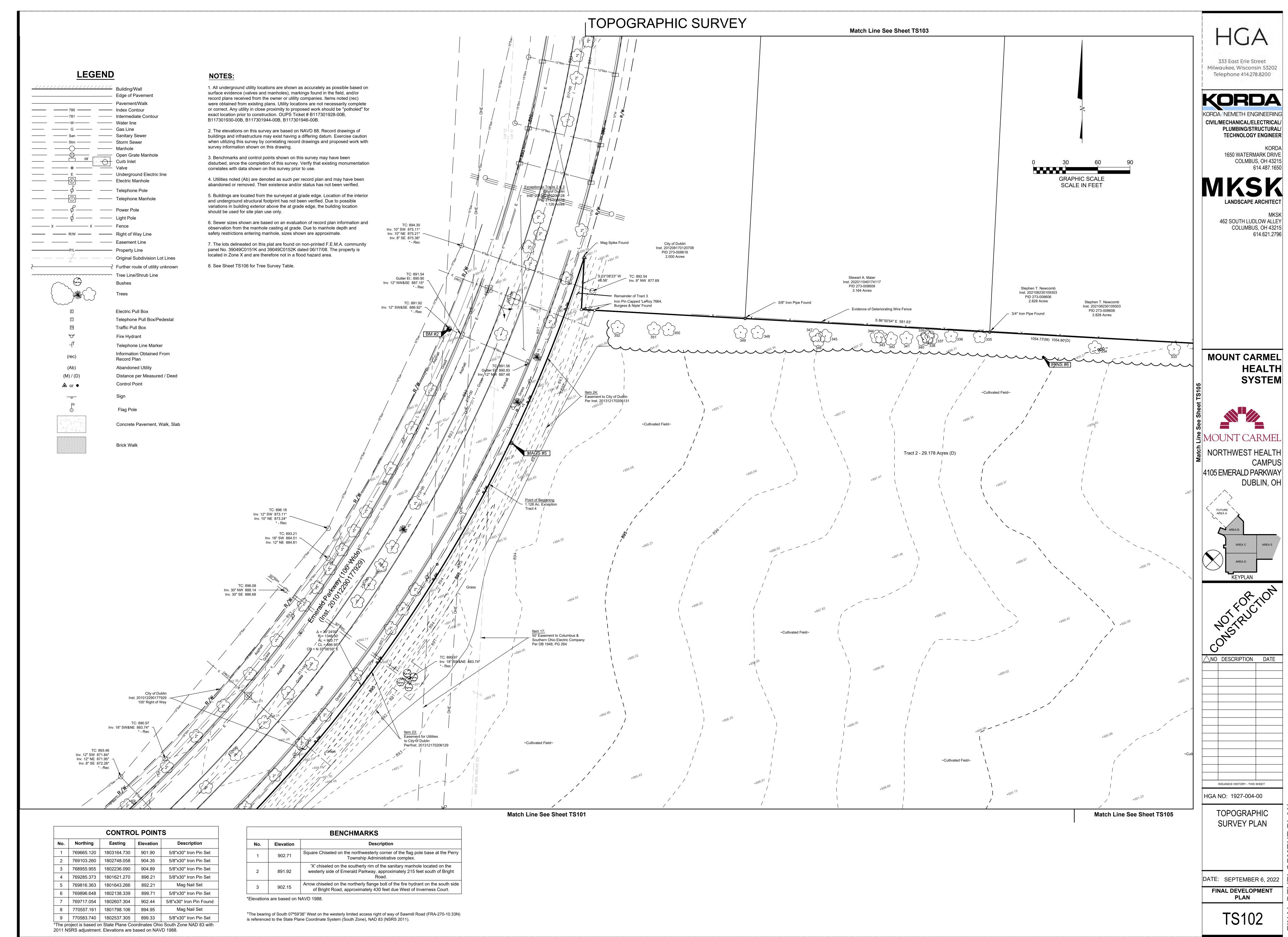
TOPOGRAPHIC SURVEY PLAN

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

TS100





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TOPOGRAPHIC SURVEY

NOTES:

1. All underground utility locations are shown as accurately as possible based on surface evidence (valves and manholes), markings found in the field, and/or record plans received from the owner or utility companies. Items noted (rec) were obtained from existing plans. Utility locations are not necessarily complete or correct. Any utility in close proximity to proposed work should be "potholed" for exact location prior to construction. OUPS Ticket # B117301928-00B, B117301930-00B, B117301944-00B, B117301946-00B.

2. The elevations on this survey are based on NAVD 88. Record drawings of buildings and infrastructure may exist having a differing datum. Exercise caution when utilizing this survey by correlating record drawings and proposed work with survey information shown on this drawing.

3. Benchmarks and control points shown on this survey may have been disturbed, since the completion of this survey. Verify that existing monumentation correlates with data shown on this survey prior to use.

4. Utilities noted (Ab) are denoted as such per record plan and may have been

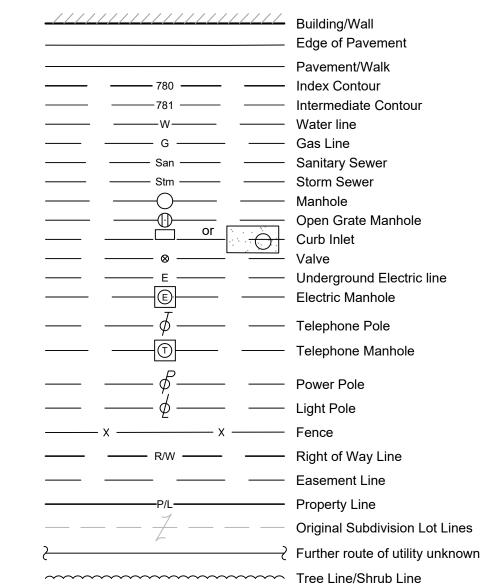
abandoned or removed. Their existence and/or status has not been verified. 5. Buildings are located from the surveyed at grade edge. Location of the interior and underground structural footprint has not been verified. Due to possible variations in building exterior above the at grade edge, the building location

6. Sewer sizes shown are based on an evaluation of record plan information and observation from the manhole casting at grade. Due to manhole depth and safety restrictions entering manhole, sizes shown are approximate.

7. The lots delineated on this plat are found on non-printed F.E.M.A. community panel No. 39049C0151K and 39049C0152K dated 06/17/08. The property is located in Zone X and are therefore not in a flood hazard area.

8. See Sheet TS106 for Tree Survey Table.

should be used for site plan use only.



Electric Pull Box Telephone Pull Box/Pedestal Traffic Pull Box Fire Hydrant Telephone Line Marker Information Obtained From Record Plan Abandoned Utility Distance per Measured / Deed Control Point Flag Pole Concrete Pavement, Walk, Slab

LEGEND

E	
T	
TR	
8	
-ſT	
(rec)	
(Ab)	
(M) / (D)	
▲ or ●	
- o -	
≈ ⊙	

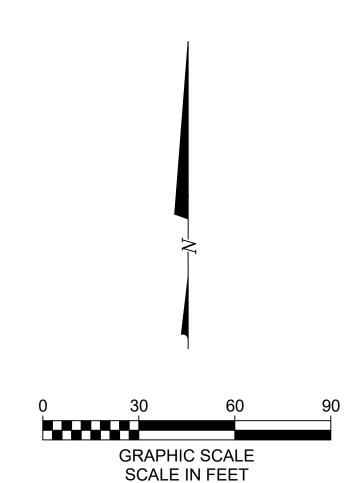
Brick Walk

	BENCHMARKS			
No.	Elevation	Description		
1	902.71	Square Chiseled on the northwesterly corner of the flag pole base at the Perry Township Administrative complex.		
2	891.92	'X' chiseled on the southerly rim of the sanitary manhole located on the westerly side of Emerald Parkway, approximately 215 feet south of Bright Road.		
3	902.15	Arrow chiseled on the northerly flange bolt of the fire hydrant on the south side of Bright Road, approximately 430 feet due West of Inverness Court.		

*Elevations are based on NAVD 1988.

CONTROL POINTS					
No.	Northing	Easting	Elevation	Description	
1	769665.120	1803164.730	901.90	5/8"x30" Iron Pin Set	
2	769103.260	1802748.058	904.35	5/8"x30" Iron Pin Set	
3	768955.955	1802236.090	904.89	5/8"x30" Iron Pin Set	
4	769285.373	1801621.270	896.21	5/8"x30" Iron Pin Set	
5	769816.363	1801643.266	892.21	Mag Nail Set	
6	769896.648	1802138.339	899.71	5/8"x30" Iron Pin Set	
7	769717.054	1802607.304	902.44	5/8"x30" Iron Pin Found	
8	770557.161	1801798.106	894.95	Mag Nail Set	
9	770583.740	1802537.305	899.33	5/8"x30" Iron Pin Set	

*The bearing of South 07°59'36" West on the westerly limited access right of way of Sawmill Road (FRA-270-10.33N) is referenced to the State Plane Coordinate System (South Zone), NAD 83 (NSRS 2011).



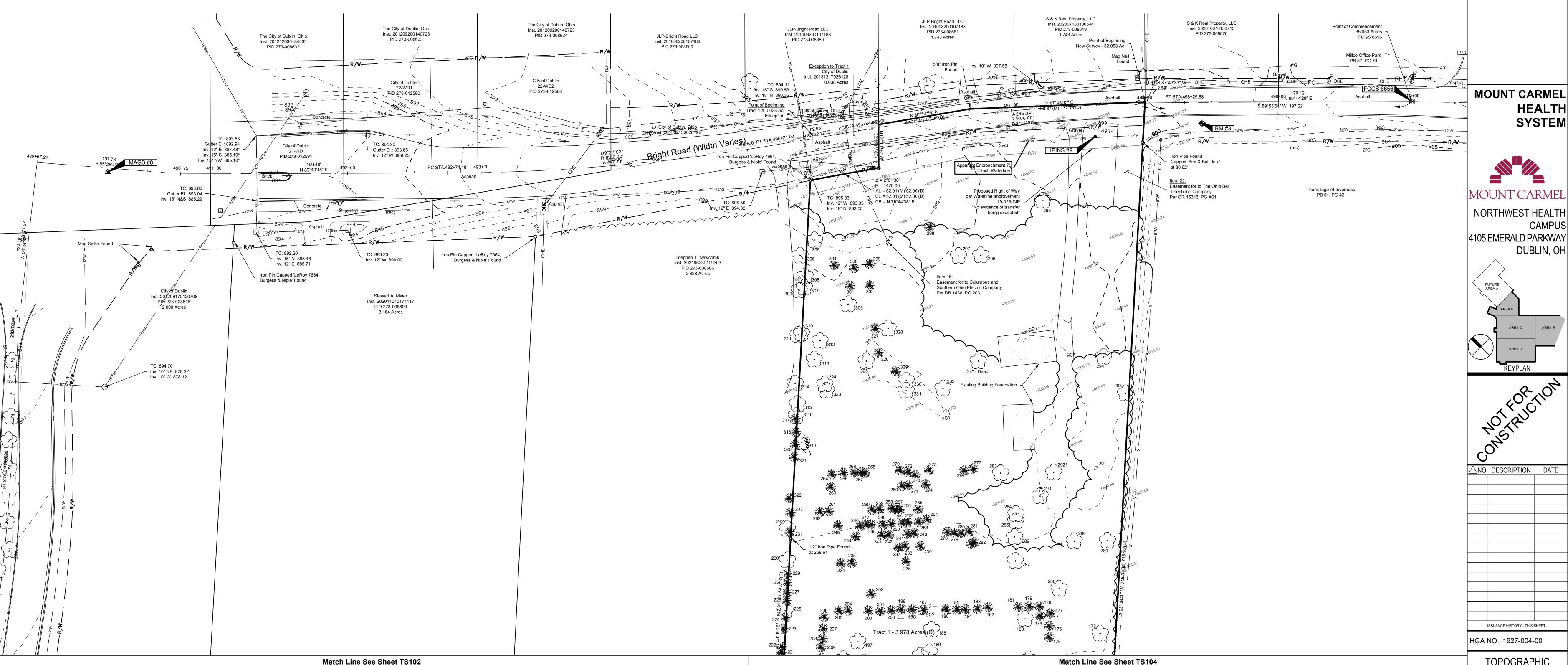
333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/

> 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

TECHNOLOGY ENGINEER

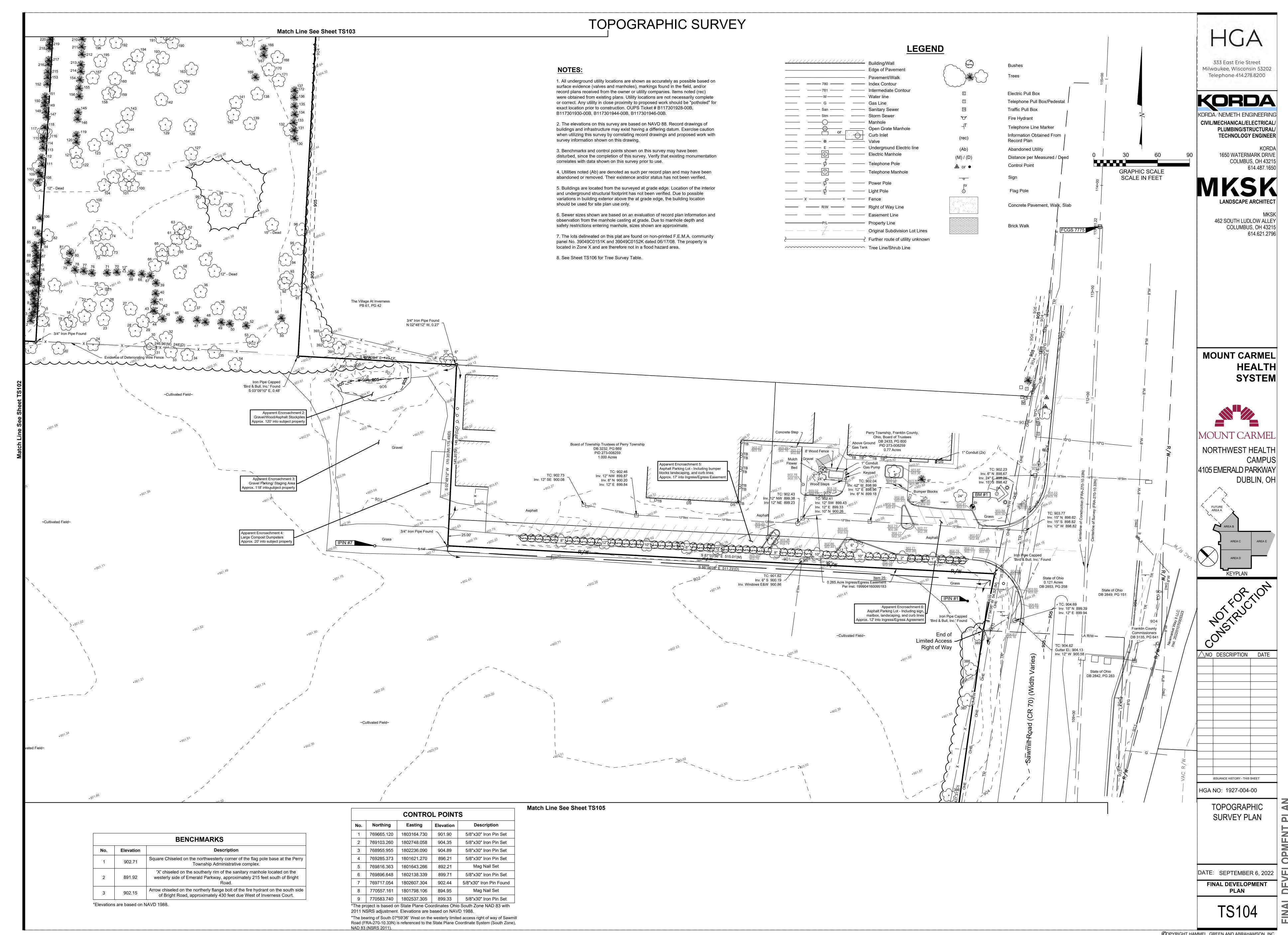
462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

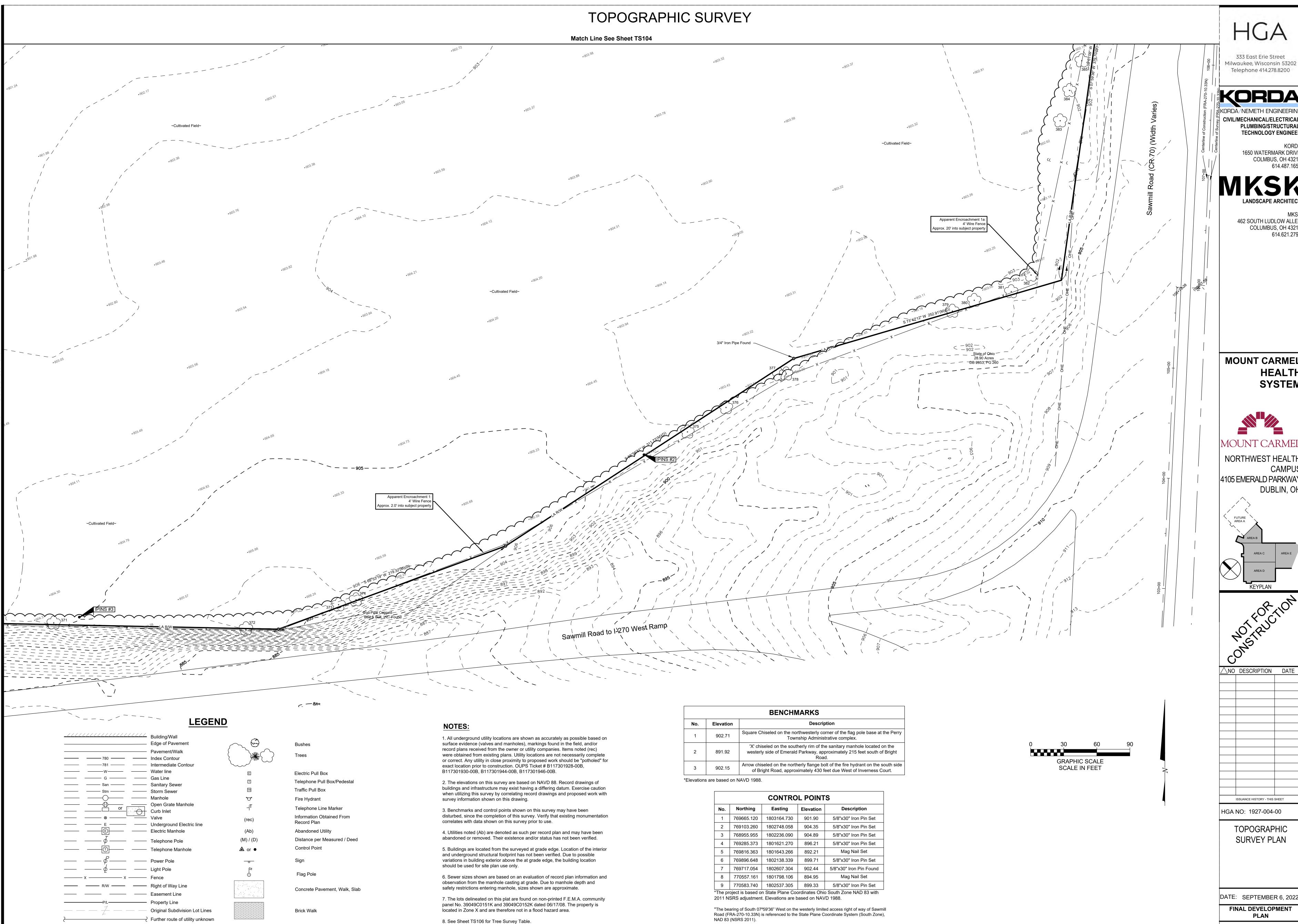


TOPOGRAPHIC SURVEY PLAN

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

TS103





Tree Line/Shrub Line

Telephone 414.278.8200

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM

NORTHWEST HEALTH **CAMPUS** 4105 EMERALD PARKWAY

DUBLIN, OH

ISSUANCE HISTORY - THIS SHEET HGA NO: 1927-004-00

> TOPOGRAPHIC SURVEY PLAN

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT III

PLAN

Tree Inventory Report

ee ID#	Common Name	Scientific Name	Diameter (inches)	Condition
1	boxelder	Acer negundo	7	Fair
2	white pine	Pinus strobus	18	Good
3	white pine	Pinus strobus	16	Fair
4	white pine	Pinus strobus	6	Dead
5	boxelder	Acer negundo	12	Good
6	boxelder	Acer negundo	6	Fair
7	white pine	Pinus strobus	9	Fair
8	white pine	Pinus strobus	15	Good
9	boxelder	Acer negundo	8	Poor
10	white pine	Pinus strobus	13	Good
11	white pine	Pinus strobus	13	Good
12	white pine	Pinus strobus	19	Good
13 14	white pine	Pinus strobus	11	Fair
15	American elm white pine	Ulmus americana Pinus strobus	18 13	Fair Good
16	white pine	Pinus strobus Pinus strobus	9	Dead
17	boxelder	Acer negundo	<u>3</u> 	Poor
18	black walnut	Juglans nigra	11	Fair
19	boxelder	Acer negundo	7	Poor
20	boxelder	Acer negundo	15	Fair
21	black walnut	Juglans nigra	11	Good
22	boxelder	Acer negundo	9	Fair
23	red mulberry	Morus rubra	9	Fair
24	American elm	Ulmus americana	8	Fair
25	black walnut	Juglans nigra	9	Good
26	boxelder	Acer negundo	7	Poor
27	black walnut	Juglans nigra	11	Good
28	black walnut	Juglans nigra	10	Good
29	black walnut	Juglans nigra	9	Good
30	silver maple	Acer saccharinum	12	Very Poor
31	crabapple	Malus species	14	Poor
32	boxelder	Acer negundo	7	Poor
33	black walnut	Juglans nigra	7	Good
34	crabapple	Malus species	6	Fair
35	boxelder	Acer negundo	10	Fair
36	crabapple	Malus species	10	Poor
37	crabapple	Malus species	7	Fair
38	crabapple	Malus species	12	Fair
39	Norway spruce	Picea abies	18	Fair
40	Norway spruce	Picea abies	12	Fair
41	Norway spruce	Picea abies	13	Good
42	black cherry	Prunus serotina	8	Fair
43	Norway spruce	Picea abies	12	Fair
44	crabapple	Malus species	6	Poor
45	Norway spruce	Picea abies	12	Fair
46	Norway spruce	Picea abies	12	Fair
47	Norway spruce	Picea abies	12	Good
48	silver maple Norway spruce	Acer saccharinum	32	Good
49	, ,	Picea abies	14	Fair
50 51	Norway spruce	Picea abies Malus species	12 9	Good
52	crabapple Norway spruce	Picea abies	9 11	Poor Good
53	pin oak	Quercus palustris	23	Good
54	crabapple	Malus species	23 11	Good
55	chinkapin oak	Quercus muehlenbergii	11	Good
56	Norway spruce	Picea abies	13	Dead
57	hawthorn	Crataegus species	9	Good
58	crabapple	Malus species	15	Fair
59	crabapple	Malus species	9	Fair
60	crabapple	Malus species	8	Poor
61	crabapple	Malus species	15	Poor
62	crabapple	Malus species	9	Fair
63	crabapple	Malus species	8	Poor
64	crabapple	Malus species	10	Poor
65	crabapple	Malus species	7	Fair
66	crabapple	Malus species	6	Fair
67	Norway spruce	Picea abies	12	Poor
68	Norway spruce	Picea abies	15	Fair
69	Norway spruce	Picea abies	11	Poor
70	Norway spruce	Picea abies	12	Poor
71	Norway spruce	Picea abies	13	Good
72	crabapple	Malus species	10	Fair
73	crabapple	Malus species	15	Good
74	crabapple	Malus species	13	Poor
75	crabapple	Malus species	15	Fair
76	Norway spruce	Picea abies	15	Good
77	Norway spruce	Picea abies	11	Good
_	Norway spruce	T	14	T

Tree ID #	Common Name	Scientific Name	Diameter (inches)	Condition
79	Norway spruce	Picea abies	15	Good
80	Norway spruce	Picea abies	10	Fair
81	red mulberry	Morus rubra	10	Fair
82	pin oak	Quercus palustris	15	Fair
83	white pine	Pinus strobus	17	Fair
84	boxelder	Acer negundo	9	Good
85 86	white pine white pine	Pinus strobus Pinus strobus	8	Fair
87	white pine	Pinus strobus Pinus strobus	13	Fair Fair
88	white pine	Pinus strobus	15	Fair
89	white pine	Pinus strobus	15	Fair
90	white pine	Pinus strobus	9	Fair
91	black walnut	Juglans nigra	9	Good
92	Norway spruce	Picea abies	7	Fair
93	crabapple	Malus species	9	Poor
94	pin oak	Quercus palustris	10	Good
95	crabapple	Malus species	7	Good
96	black walnut	Juglans nigra	9	Good
97	crabapple	Malus species	8	Poor
98	silver maple	Acer saccharinum	31	Fair
99	silver maple	Acer saccharinum	16	Good
100	silver maple	Acer saccharinum	11	Poor
101	silver maple	Acer saccharinum	8	Fair
102	silver maple	Acer saccharinum	9	Fair
103	silver maple	Acer saccharinum	8	Fair
104	silver maple	Acer saccharinum	10	Good
105	white ash	Fraxinus americana	17	Poor
106	white pine	Pinus strobus	30	Fair
107	white pine	Pinus strobus	21	Very Poor
108	white pine	Pinus strobus	17	Good
109	white pine	Pinus strobus	8	Poor
110	red mulberry	Morus rubra	7	Fair
111	white pine	Pinus strobus	21	Good
112	white pine	Pinus strobus	18	Good
113	white pine	Pinus strobus	16	Good
114	white pine	Pinus strobus	15	Fair
115 116	white pine	Pinus strobus	11	Fair
117	American elm	Ulmus americana	14 24	Good Fair
117	red mulberry	Morus rubra Pinus strobus	18	Dead
119	white pine Norway spruce	Piras strobus Picea abies	18	Fair
120	Norway spruce	Picea abies	11	Fair
121	Norway spruce	Picea abies	13	Fair
122	boxelder	Acer negundo	7	Fair
123	crabapple	Malus species	12	Poor
124	crabapple	Malus species	6	Fair
125	crabapple	Malus species	15	Poor
126	crabapple	Malus species	12	Poor
127	hawthorn	Crataegus species	11	Very Poor
128	crabapple	Malus species	16	Fair
129	crabapple	Malus species	12	Fair
130	Norway spruce	Picea abies	15	Poor
131	Norway spruce	Picea abies	13	Fair
132	crabapple	Malus species	6	Fair
133	Norway spruce	Picea abies	9	Poor
134	Norway spruce	Picea abies	13	Poor
135	Norway spruce	Picea abies	13	Fair
136	crabapple	Malus species	8	Dead
137	Norway spruce	Picea abies	14	Fair
138	black walnut	Juglans nigra	6	Good
139	silver maple	Acer saccharinum	18	Good
140	crabapple	Malus species	12	Fair
141	crabapple	Malus species	12	Poor
142	silver maple	Acer saccharinum	26	Good
143	white ash	Fraxinus americana	6	Poor
144	crabapple	Malus species	10	Poor
145	Norway spruce	Picea abies	15	Fair
146	Norway spruce	Picea abies	15	Fair
147	white pine	Pinus strobus	13	Poor
148	white pine	Pinus strobus	10	Fair
140		Pinus strobus	23	Fair
149	white pine	-·	11	Poor
150	white pine	Pinus strobus	4.5	
150 151	white pine white pine	Pinus strobus	19	Fair
150 151 152	white pine white pine white pine	Pinus strobus Pinus strobus	19	Good
150 151 152 153	white pine white pine white pine white pine	Pinus strobus Pinus strobus Pinus strobus	19 14	Good Fair
150 151 152 153 154	white pine white pine white pine white pine Norway spruce	Pinus strobus Pinus strobus Pinus strobus Picea abies	19 14 11	Good Fair Fair
150 151 152 153	white pine white pine white pine white pine	Pinus strobus Pinus strobus Pinus strobus	19 14	Good Fair

158	Common Name crabapple	Scientific Name Malus species	Diameter (inches)	Conditio Dead
158	crabapple	Malus species	11	Dead
160	crabapple	Malus species	14	Fair
161	crabapple	Malus species	13	Poor
162	crabapple	Malus species	10	Fair
163	black walnut	Juglans nigra	6	Poor
164	crabapple	Malus species	8	Poor
165	black walnut	Juglans nigra	6	Good
166	Norway spruce	Picea abies	14	Fair
167	Norway spruce	Picea abies	14	Fair
168	black walnut	Juglans nigra	11	Good
169	Norway spruce	Picea abies	15	Fair
170	crabapple	Malus species	8	Fair
171	Norway spruce	Picea abies	13	Fair
172	Norway spruce	Picea abies	14	Fair
173	black walnut	Juglans nigra	9	Fair
174	Norway spruce	Picea abies	20 9	Fair
175	Norway spruce	Picea abies	16	Poor
176 177	Norway spruce Norway spruce	Picea abies Picea abies	16	Fair Fair
178	Norway spruce	Picea abies	11	Fair
179	Norway spruce	Picea abies	21	Good
180	crabapple	Malus species	7	Poor
181	Norway spruce	Picea abies	13	Fair
182	Norway spruce	Picea abies	20	Good
183	Norway spruce	Picea abies	13	Good
184	Norway spruce	Picea abies	10	Fair
185	Norway spruce	Picea abies	13	Fair
186	Norway spruce	Picea abies	18	Good
187	Norway spruce	Picea abies	8	Poor
188	black walnut	Juglans nigra	13	Fair
189	black walnut	Juglans nigra	7	Poor
190	black walnut	Juglans nigra	7	Fair
191	black walnut	Juglans nigra	7	Fair
192	black walnut	Juglans nigra	6	Good
193	black walnut	Juglans nigra	6	Good
194	black walnut	Juglans nigra	6	Good
195	black walnut	Juglans nigra	7	Good
196	black walnut	Juglans nigra	13	Good
197	black walnut	Juglans nigra	11	Fair
198	Norway spruce	Picea abies	12	Fair
199	Norway spruce	Picea abies	16	Fair
200	Norway spruce	Picea abies Picea abies	11	Poor Fair
201	Norway spruce black walnut	Juglans nigra	11	Fair
203	Norway spruce	Picea abies	14	Fair
204	Norway spruce	Picea abies	15	Fair
205	Norway spruce	Picea abies	14	Fair
206	Norway spruce	Picea abies	14	Fair
207	Norway spruce	Picea abies	11	Poor
208	Norway spruce	Picea abies	9	Dead
209	Norway spruce	Picea abies	10	Poor
210	Norway spruce	Picea abies	13	Fair
211	Norway spruce	Picea abies	13	Fair
212	Norway spruce	Picea abies	10	Fair
213	Norway spruce	Picea abies	12	Fair
214	Norway spruce	Picea abies	9	Poor
215	white pine	Pinus strobus	16	Fair
216	white pine	Pinus strobus	11	Poor
217	white pine	Pinus strobus	20	Fair
218	white pine	Pinus strobus	14	Fair
219	white pine	Pinus strobus	16	Fair
220	white pine	Pinus strobus	9	Poor
221	white pine	Pinus strobus	15	Fair
222	white pine	Pinus strobus	19	Fair
223	white pine	Pinus strobus	20	Fair
224 225	white pine	Pinus strobus	11 26	Fair
225	white pine	Pinus strobus	13	Poor Dead
226	white pine	Pinus strobus Pinus strobus	13	Fair
227	white pine	Pinus strobus Pinus strobus	20	Fair Fair
228	white pine	Pinus strobus Pinus strobus	10	Fair Fair
230	white pine cottonwood	Pinus strobus Populus deltoides	31	Good
230	white pine	Pinus strobus	7	Poor
231	silver maple	Acer saccharinum	37	Fair
232	white pine	Pinus strobus	12	Fair
234	Norway spruce	Picea abies	15	Fair
235	Norway spruce	Picea abies	14	Fair
	, 56.000			

Tree ID #	Common Name	Scientific Name	Diameter (inches)	Condition
237	Norway spruce	Picea abies	12	Fair Poor
238	Norway spruce	Picea abies Picea abies	18 15	Fair
240	Norway spruce Norway spruce	Picea abies Picea abies	12	Fair
241	Norway spruce	Picea abies	7	Very Poor
242	Norway spruce	Picea abies	11	Fair
243	Norway spruce	Picea abies	12	Fair
244	Norway spruce	Picea abies	14	Fair
245	Norway spruce	Picea abies	17	Good
246	Norway spruce	Picea abies	10	Fair
247	Norway spruce	Picea abies	9	Fair
248	Norway spruce	Picea abies	8	Fair
249	Norway spruce	Picea abies	11	Fair
250	Norway spruce	Picea abies	8	Fair
251	Norway spruce	Picea abies	8	Fair
252	Norway spruce	Picea abies	7	Fair
253 254	Norway spruce	Picea abies	10 12	Fair
254	Norway spruce Norway spruce	Picea abies Picea abies	11	Fair Fair
256	Norway spruce	Picea abies	6	Dead
257	Norway spruce	Picea abies	9	Fair
258	black cherry	Prunus serotina	9	Poor
259	Norway spruce	Picea abies	9	Fair
260	Norway spruce	Picea abies	20	Poor
261	Norway spruce	Picea abies	10	Fair
262	Norway spruce	Picea abies	10	Fair
263	Norway spruce	Picea abies	14	Fair
264	Norway spruce	Picea abies	13	Fair
265	Norway spruce	Picea abies	16	Fair
266	Norway spruce	Picea abies	8	Fair
267	Norway spruce	Picea abies	11	Fair
268	Norway spruce	Picea abies	19	Good
269 270	Norway spruce	Picea abies	11 16	Fair Fair
270	Norway spruce Norway spruce	Picea abies Picea abies	9	Fair
272	Norway spruce	Picea abies	11	Fair
273	Norway spruce	Picea abies	11	Fair
274	Norway spruce	Picea abies	11	Fair
275	Norway spruce	Picea abies	15	Good
276	Norway spruce	Picea abies	12	Poor
277	Norway spruce	Picea abies	10	Fair
278	Norway spruce	Picea abies	12	Good
279	Norway spruce	Picea abies	6	Poor
280	Norway spruce	Picea abies	18	Good
281	Norway spruce	Picea abies	14	Good
282	Norway spruce	Picea abies	21	Good
283	silver maple	Acer saccharinum	45	Fair
284 285	red mulberry	Morus rubra	25 25	Very Poor
285	red mulberry red mulberry	Morus rubra Morus rubra	25	Dead Dead
287	red mulberry	Morus rubra	17	Dead
288	black walnut	Juglans nigra	7	Good
289	silver maple	Acer saccharinum	46	Fair
290	silver maple	Acer saccharinum	48	Fair
291	silver maple	Acer saccharinum	10	Fair
292	silver maple	Acer saccharinum	30	Fair
293	flowering pear	Pyrus calleryana	12	Fair
294	crabapple	Malus species	23	Dead
295	crabapple	Malus species	40	Very Poor
296	boxelder	Acer negundo	27	Poor
297	crabapple	Malus species	24	Very Poor
298	Norway spruce	Picea abies	23	Fair
299	silver maple	Acer saccharinum	42	Fair
300	Norway spruce	Picea abies	15	Good
301 302	Norway spruce Norway spruce	Picea abies Picea abies	11 15	Poor Fair
303	black walnut	Juglans nigra	10	Good
304	Norway spruce	Picea abies	17	Fair
305	black walnut	Juglans nigra	8	Good
306	black cherry	Prunus serotina	24	Dead
307	red mulberry	Morus rubra	11	Fair
308	black cherry	Prunus serotina	8	Dead
309	red mulberry	Morus rubra	14	Good
310	red mulberry	Morus rubra	21	Poor
311	red mulberry	Morus rubra	15	Fair
312	white ash	Fraxinus americana	18	Dead
313	redbud	Cercis canadensis	11	Very Poor
314	red mulberry	Morus rubra	16	Poor
315	tulip tree	Liriodendron tulipifera	20	Good

Tree ID # 316	red mulberry	Scientific Name Morus rubra	Diameter (inches) 6	Condition Poor
317	white pine	Pinus strobus	16	Good
318	white pine	Pinus strobus	11	Fair
319	red mulberry	Morus rubra	11	Fair
320	white pine	Pinus strobus	17	Good
321	white pine	Pinus strobus	19	Good
322	red mulberry	Morus rubra	15	Very Poor
323	black walnut	Juglans nigra	12	Good
324	black walnut	Juglans nigra	9	Good
325	black walnut	Juglans nigra	11	Fair
326	Norway spruce	Picea abies	20	Fair
327	Norway spruce	Picea abies	22	Fair
328	black walnut	Juglans nigra	12	Fair
329	Norway spruce	Picea abies	20	Fair
330	boxelder	Acer negundo	7	Poor
331	black walnut	Juglans nigra	10	Good
332	black walnut	Juglans nigra	8	Good
333	red mulberry	Morus rubra	10	Poor
334	red mulberry	Morus rubra	12	Fair
335 336	chinkapin oak black walnut	Quercus muehlenbergii	24 9	Good Fair
337		Juglans nigra Quercus muehlenbergii	12	Good
338	chinkapin oak black walnut	Juglans nigra	6	Good
339	chinkapin oak	Quercus muehlenbergii	6	Good
340	black walnut	Juglans nigra	6	Good
340	black walnut	Jugians nigra Jugians nigra	10	Fair
342	black walnut	Juglans nigra	10	Good
343	chinkapin oak	Quercus muehlenbergii	7	Good
344	black walnut	Juglans nigra	7	Fair
345	black walnut	Juglans nigra	7	Fair
346	red mulberry	Morus rubra	8	Fair
347	chinkapin oak	Quercus muehlenbergii	9	Poor
348	black cherry	Prunus serotina	6	Fair
349	hackberry	Celtis occidentalis	6	Poor
350	American elm	Ulmus americana	7	Fair
351	chinkapin oak	Quercus muehlenbergii	10	Good
352	chinkapin oak	Quercus muehlenbergii	7	Fair
353	flowering pear	Pyrus calleryana	7	Fair
354	hackberry	Celtis occidentalis	7	Fair
355	hackberry	Celtis occidentalis	7	Fair
356	red mulberry	Morus rubra	21	Fair
357	red mulberry	Morus rubra	16	Fair
358	red mulberry	Morus rubra	12	Fair
359	black cherry	Prunus serotina	6	Poor
360	red mulberry	Morus rubra	8	Fair
361	black cherry	Prunus serotina	11	Fair
362	black cherry	Prunus serotina	11	Fair
363	flowering pear	Pyrus calleryana	7	Fair
364	red mulberry	Morus rubra	6	Poor
365	red mulberry	Morus rubra	21	Fair
366	red mulberry	Morus rubra	10	Good
367	red mulberry	Morus rubra	12	Good
368	boxelder	Acer negundo	8	Fair
369	hackberry	Celtis occidentalis	6	Fair
370 371	hackberry	Celtis occidentalis	10	Good
371	hackberry	Celtis occidentalis	21 17	Fair Fair
372	flowering pear	Pyrus calleryana Celtis occidentalis	7	Fair Fair
373	hackberry		14	Fair Fair
374	flowering pear flowering pear	Pyrus calleryana Pyrus calleryana	12	Fair Fair
375	flowering pear	Pyrus calleryana Pyrus calleryana	10	Fair
376	red mulberry	Morus rubra	9	Fair
378	red mulberry	Morus rubra	9	Fair
379	red mulberry	Morus rubra	16	Fair
380	red mulberry	Morus rubra	8	Poor
381	flowering pear	Pyrus calleryana	11	Good
382	flowering pear	Pyrus calleryana	8	Good
383	flowering pear	Pyrus calleryana	10	Good
384	flowering pear	Pyrus calleryana	9	Good
385	hackberry	Celtis occidentalis	10	Poor
386	crabapple	Malus species	15	Fair
387	flowering pear	Pyrus calleryana	7	Fair
388	flowering pear	Pyrus calleryana	9	Good
389	flowering pear	Pyrus calleryana	18	Fair
390	chinkapin oak	Quercus muehlenbergii	31	Good
391	chinkapin oak	Quercus muehlenbergii	12	Fair
392	red mulberry	Morus rubra	8	Fair
393	red mulberry	Morus rubra	19	Fair
	1			



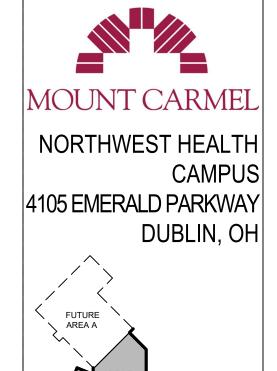
KORDA NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



KEYPLAN

KEYPLAN

NO DESCRIPTION DATE

HGA NO: 1927-004

TOPOGRAPHIC SURVEY PLAN

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN

TS106



HGA

KORDA

MOUNT CARMEL **HEALTH**

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY

DATE: SEPTEMBER 6, 2022



HGA

KORDA KORDA/NEMETH ENGINEERING

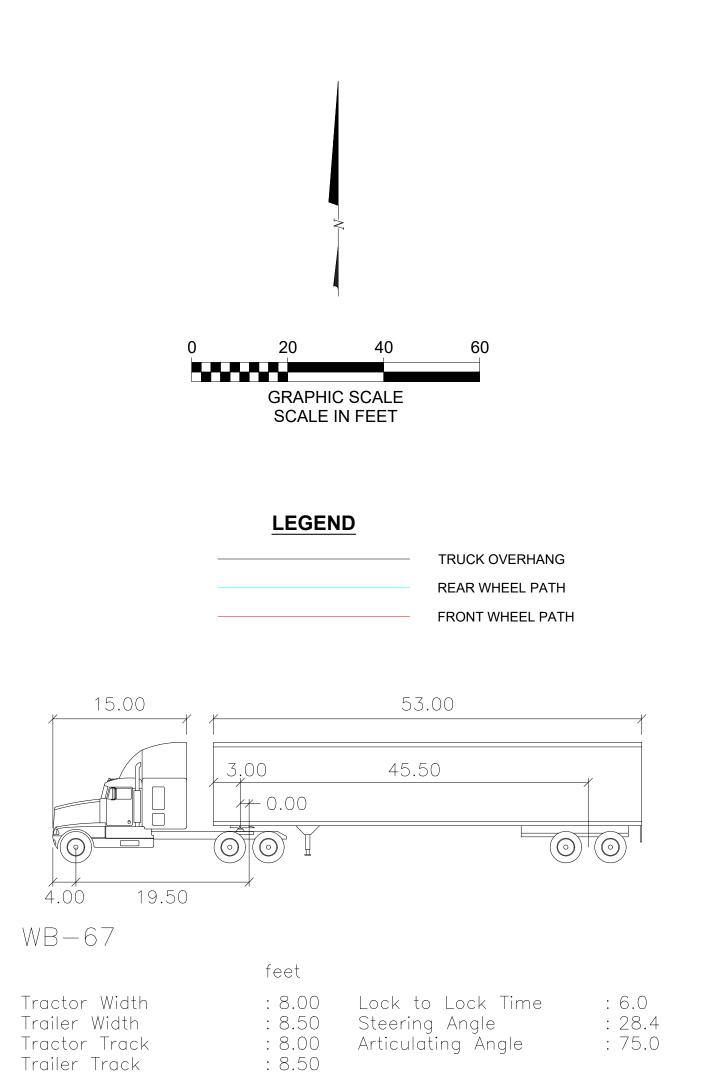
HEALTH

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY

DATE: SEPTEMBER 6, 2022



DELIVERY LOADING DOCK



333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/ TECHNOLOGY ENGINEER

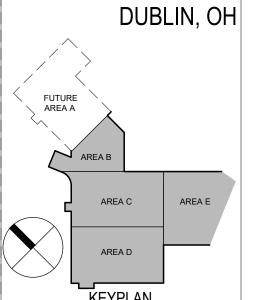
KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



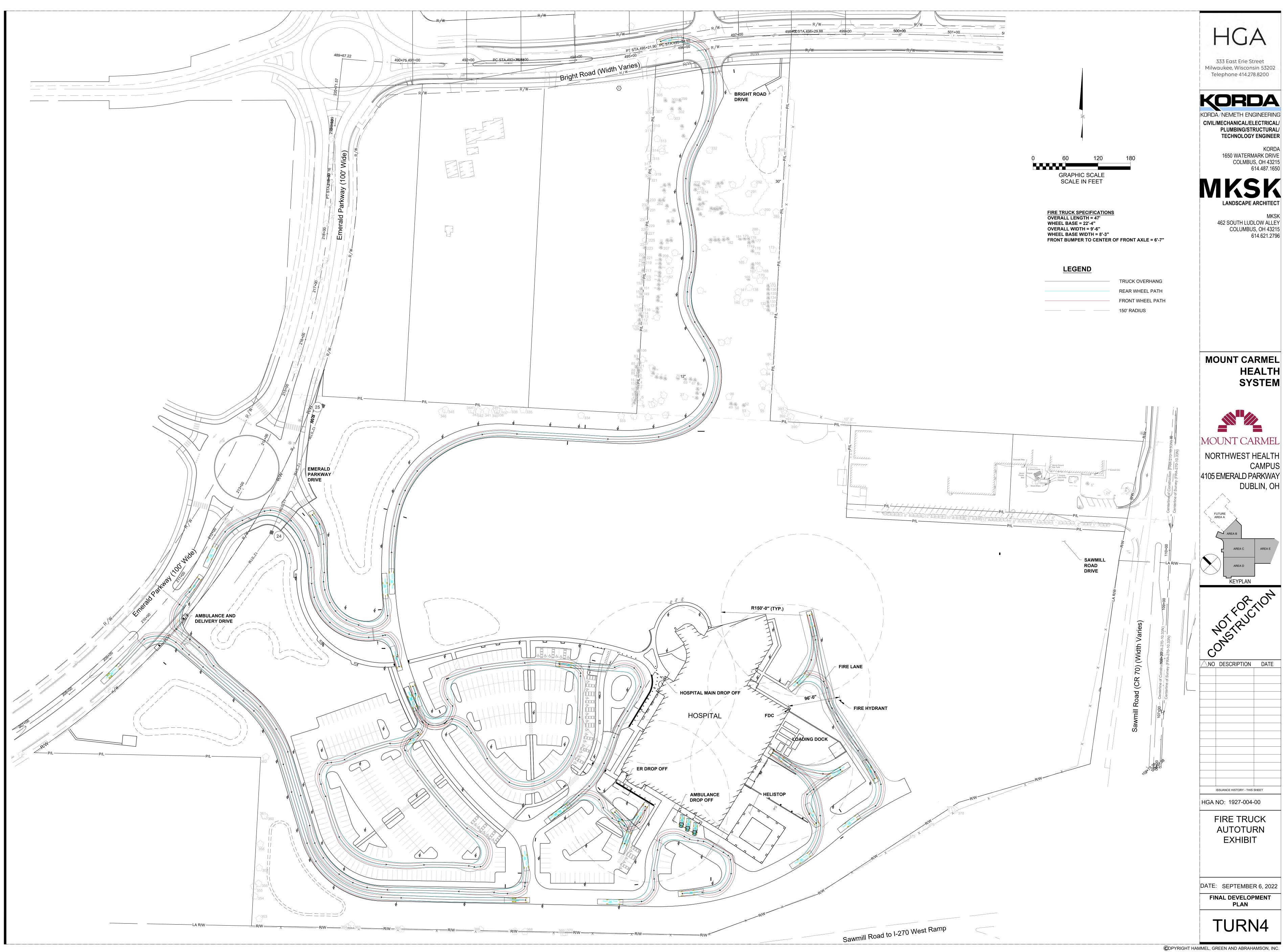
NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY



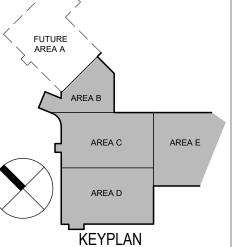
△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

DELIVERY TRUCK
AUTOTURN
EXHIBIT

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT PLAN



HEALTH







SECONDARY DIRECTIONAL

HGA

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VIKSK LANDSCARE ARCHITECT

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MOUNT CARMEL HEALTH SYSTEM



NORTHWEST HEALTH
CAMPUS
4105 EMERALD
PARKWAY
DUBLIN, OH

NO DESCRIPTION DATE

NO DESCRIPTION DA

HGA NO: 1927-004-00

SIGNAGE PLAN

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT
PLAN

1300

L3.00

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COLMBUS, OH 43215

Design Intent

06.20.2022

Sign Name **GENERAL - SIGN QUANTITIES &**

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t: 614.621.2796

Columbus, Ohio, 43215

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MOUNT CARMEL

A Member of Trinity Health

Mount Carmel Northwest Health

Wayfinding Signage System

Wayfinding Signage System

Exterior Signage Design Updates

Project Number: C22524

462 S Ludlow St.

t: 614.621.2796

Columbus, Ohio, 43215

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MOUNT CARMEL HEALTH SYSTEM

MOUNT CARMEL NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY

DUBLIN, OH

NO DESCRIPTION DATE

Revisions: Elevation Updated 07.13.2022

Design Intent

Sign Name

Building Entrance Sign Canopy

BE-01

FINAL DEVELOPMENT PLAN

MOUNT CARMEL HEALTH SYSTEM

SIGN QUANTITIES

A Printer	QUANTITY	LOCATION
MOUNT CARMEL DUBLIN		Emerald Parkway
SE-02 SECONDARY SIT	QUANTITY	LOCATION
Main Hospital > Medical Office Building > Medical Office Building > MOUNT CARMEL	1	Sawmill Road & Bright Road

	QUANTITY	LOCATION
EMERGENCY → • Medical Office truitding • Purking ② • Purking ② • Purking →	1	Primary Campus Intersections

A.	QUANTITY	LOCATION
EMERGENCY → Main trospital → Medical Office Building → Parking →	6	Road & Main Campus Intersections

A STATE OF THE PARTY OF THE PAR	QUANTITY	LOCATION
More Humphof & Marine of Orline & Marine of Orline & Marine of Orline & Marine of Orline of Orli	8	Secondary Campus Intersections
Setting	RECTIONAL SIGN	Intersections

	QUANTITY	LOCATION
Perry Township Administrative Offices	0	Bright Road Entry & Access Drive Intersection

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 1

MOUNT CARMEL HEALTH SYSTEM SIGN QUANTITIES

Site Signs - Parameters & Quantities

Sign Code	Sign Name	City of Dublin Ordinance Type	Mounting Type	Location	Illumination	ft ²	Qty
SE-01	Primary Site Entry Sign	Site Entry Sign	Ground	Site Entry - Emerald Parkway	Internal	50	1
SE-02	Secondary Site Entry Sign	Site Entry Sign	Ground	Site Entry - Sawmill Rd. & Bright Rd.	Internal	34	1
DR-01	Primary Directional Sign	Primary Directional Sign	Ground	Internal Site Loop Road	Internal	28	1
DR-02	Secondary Directional Sign	Secondary Directional Sign	Ground	Site Entry - Emerald Parkway & Internal Site Loop Road	Internal	16	6
DR-03	Secondary Directional Sign	Secondary Directional Sign	Ground	Internal Site	External	4	8
DR-04	Secondary Directional Sign	Secondary Directional Sign	Ground	Bright Rd. Site Entry & Internal Site Loop Road	N/A	9	0

Building Signs - Parameters & Quantities

Sign Code	Sign Name	City of Dublin Ordinance Type	Mounting Type	Location	Illumination	ft ²	Qty.
BE-01	Building Entrance Sign	Building Entrance Sign	Wall/Canopy	Main Hospital Entrance	Internal	33	2
BE-02	Building Entrance Sign - ER	Building Entrance Sign	Wall/Canopy	ED & Ambulance Entries	Internal	34	2
WL-01	Primary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Equipment Screen	Internal	350	2
WL-02	Secondary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Facade	Internal	96	1
WL-03	Secondary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Facade	Internal	46	1

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 2

MOUNT CARMEL HEALTH SYSTEM **COLORS & MATERIALS**



EMERGENCY RED PANTONE MATCH: PANTONE MATCH: PMS 208 C PMS 186 C

PAINT MATCH: PAINT MATCH: Mathews 144MP14062 Elderberry Mathews MP15024 Red Dragon Wine (Satin Finish) (Satin Finish) ALTERNATE: Sherwin Williams Wild Current VINYL-TRANSLUCENT MATCH: SW7583 3M Scotchcal Translucent 3630-33 Red Vinyl Background VINYL-TRANSLUCENT MATCH: Oracal Translucent Dark Red 030 VINYL-OPAQUE MATCH:

Series 8800 Vinyl 3M Scotchcal Opaque 7725-13 Tomato Red VINYL-OPAQUE MATCH: VINYL-REFLECTIVE: 3M Scotchcal Reflective 680-72

Oracal Translucent Dark Red 030 Series 8800 Vinyl VINYL-PERFORATED (High-Level Usage Only) 3M Scotchcal Dual Colored Perforated Film, Color: Custom *To match Oracle

translucent to

Dark Red 030

MC WHITE PANTONE MATCH: White PAINT MATCH: Mathews MP05780

Pearl Stone (Satin Finish) VINYL-TRANSLUCENT MATCH: VINYL-REFLECTIVE: 3M Scotchcal Translucent 3630-20 3M Scotchcal Reflective VINYL-OPAQUE MATCH: 3M Scotchcal Opaque 7725-10

VINYL-REFLECTIVE: 3M Scotchcal Reflective 680-10 MC BLACK

REGULATORY BLUE PAINT MATCH: PANTONE MATCH: Mathews MP41335SP

PMS 293 C Anodic Black (Satin Finish)

VINYL-OPAQUE MATCH: 3M Scotchcal Opaque 7725-12 Black VINYL-TRANSLUCENT MATCH: 3M Scotchcal Translucent 3630-97 Bristol Blue VINYL-OPAQUE MATCH: 3M Scotchcal Opaque 7725-17

Black Vinyl 680-85 VINYL-PERFORATED (High-Level Usage Only) 3M Scotchcal Dual Colored Perforated Film 3635-222 Black

ACRYLIC:

Binary Black/White Acrylic

Vivid Blue Light Blue

VINYL-REFLECTIVE MATCH: 3M Scotchcal Reflective 680-76

RUSHED LUMINUM METAL

PANTONE MATCH: PMS 877 C PAINT MATCH: Mathews MP30136 Brushed Aluminum

VINYL-TRANSLUCENT MATCH: 3M Scotchcal Translucent 3630-21 VINYL-OPAQUE MATCH: 3M Scotchcal Opaque 7725-120

Satin Aluminum

t: 614.621.2796 www.mkskstudios.com Client: MOUNT CARMEL A Member of Trinity Health **Mount Carmel Northwest Health** Wayfinding Signage System Project Number: C22524 Wayfinding Signage System Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022 **Design Intent**

MKSK

MOUNT CARMEL

Mount Carmel Northwest Health

Wayfinding Signage System

Project Number: C22524

06.20.2022

Revisions:

Design Intent

Sign Name

GENERAL - SIGN QUANTITIES &

MKSK

462 S Ludlow St.

Columbus, Ohio, 43215

Wayfinding Signage System

Exterior Signage Design Updates

Issued For Coordination & Discussion

A Member of Trinity Health

462 S Ludlow St.

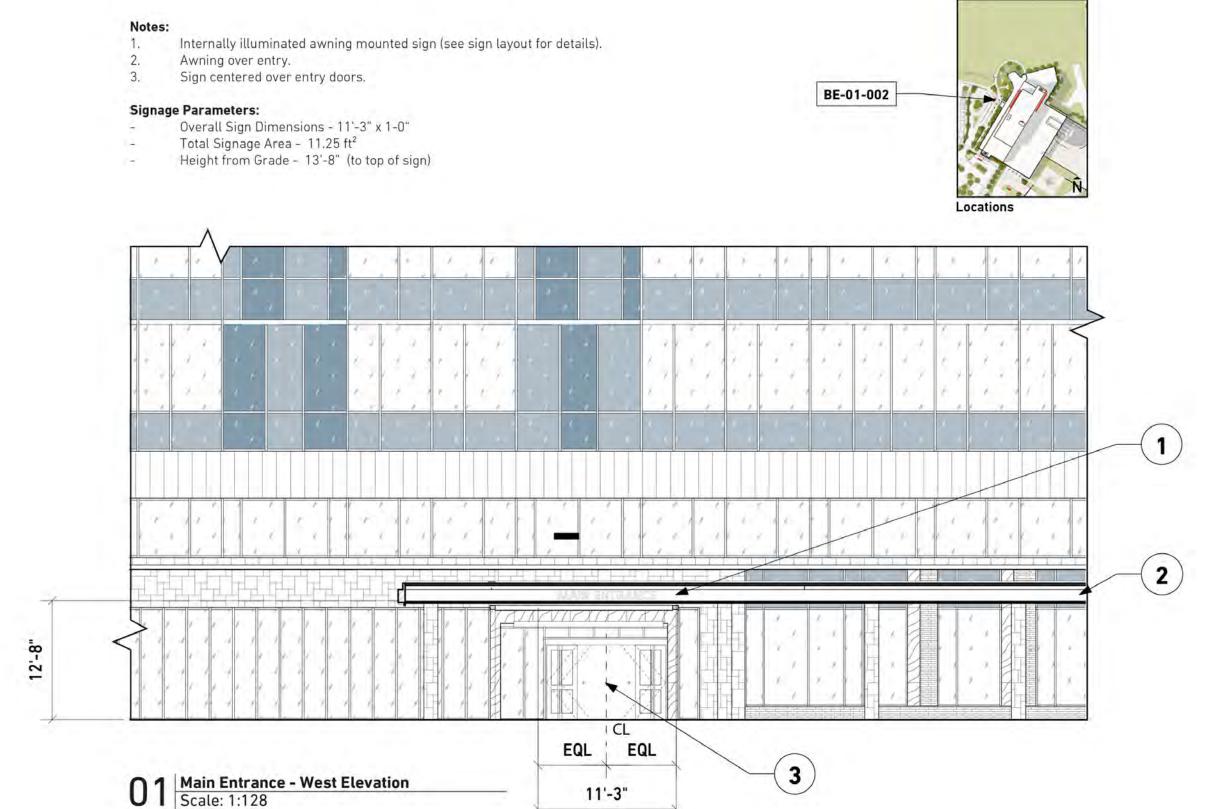
t: 614.621.2796

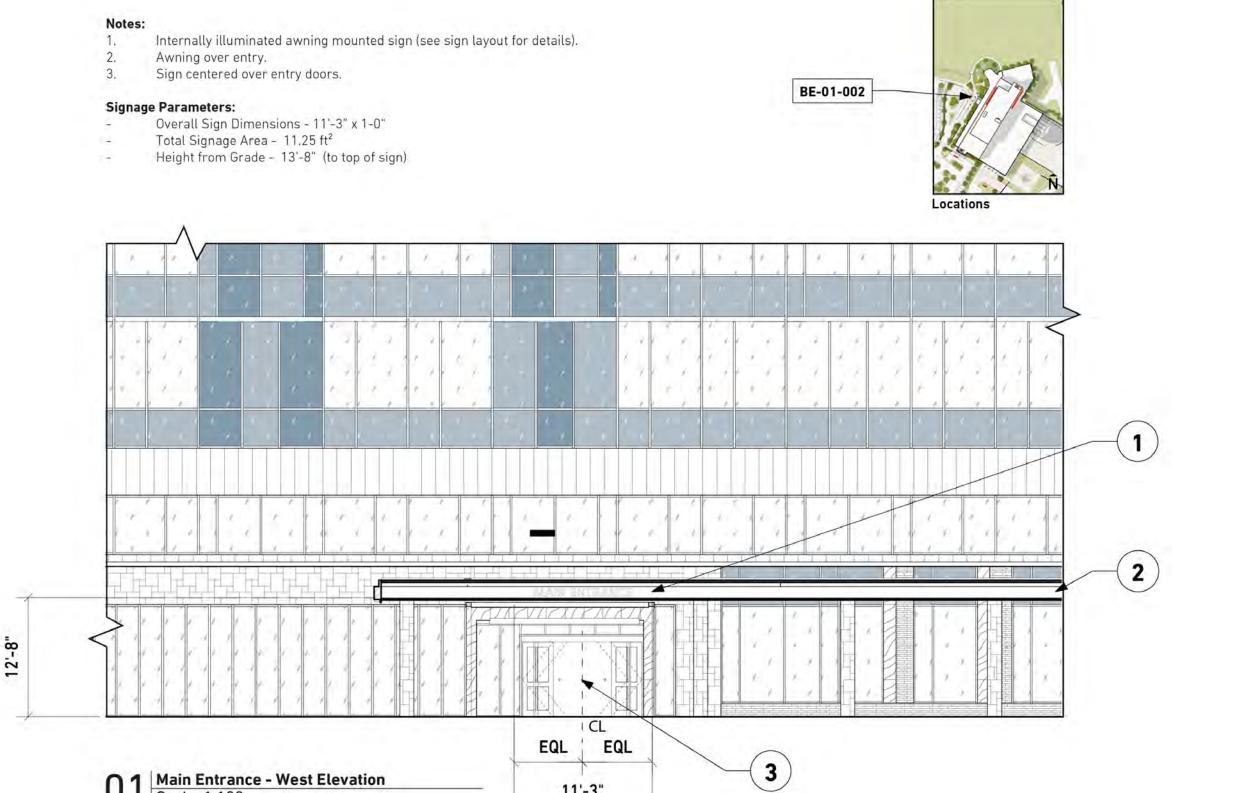
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GENERAL - MATERIALS & COLORS

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 [3

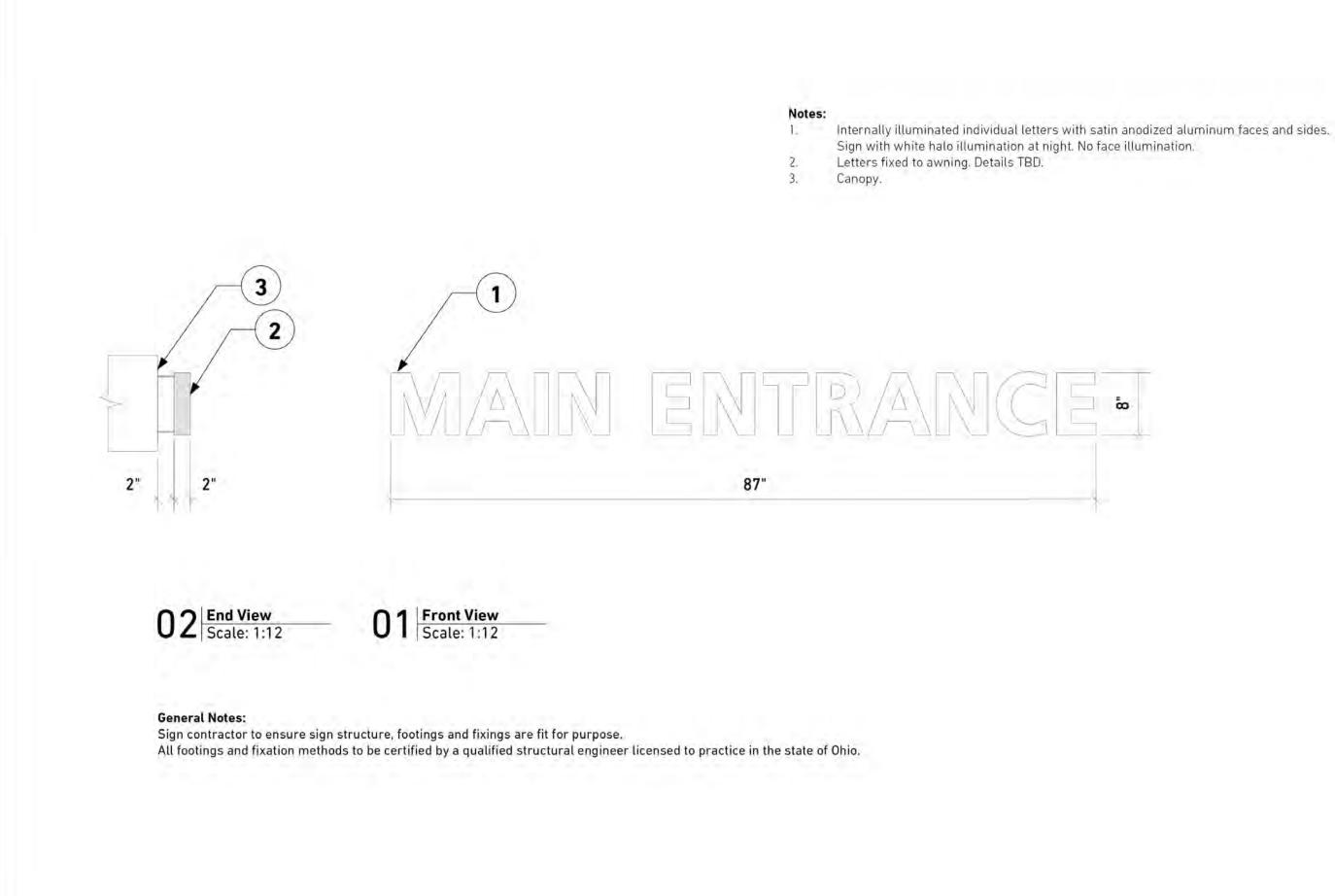




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MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 4

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Mount Carmel Northwest Health Wayfinding Signage System

Project Number: C22524 Wayfinding Signage System Exterior Signage Design Updates Issued For Coordination & Discussion

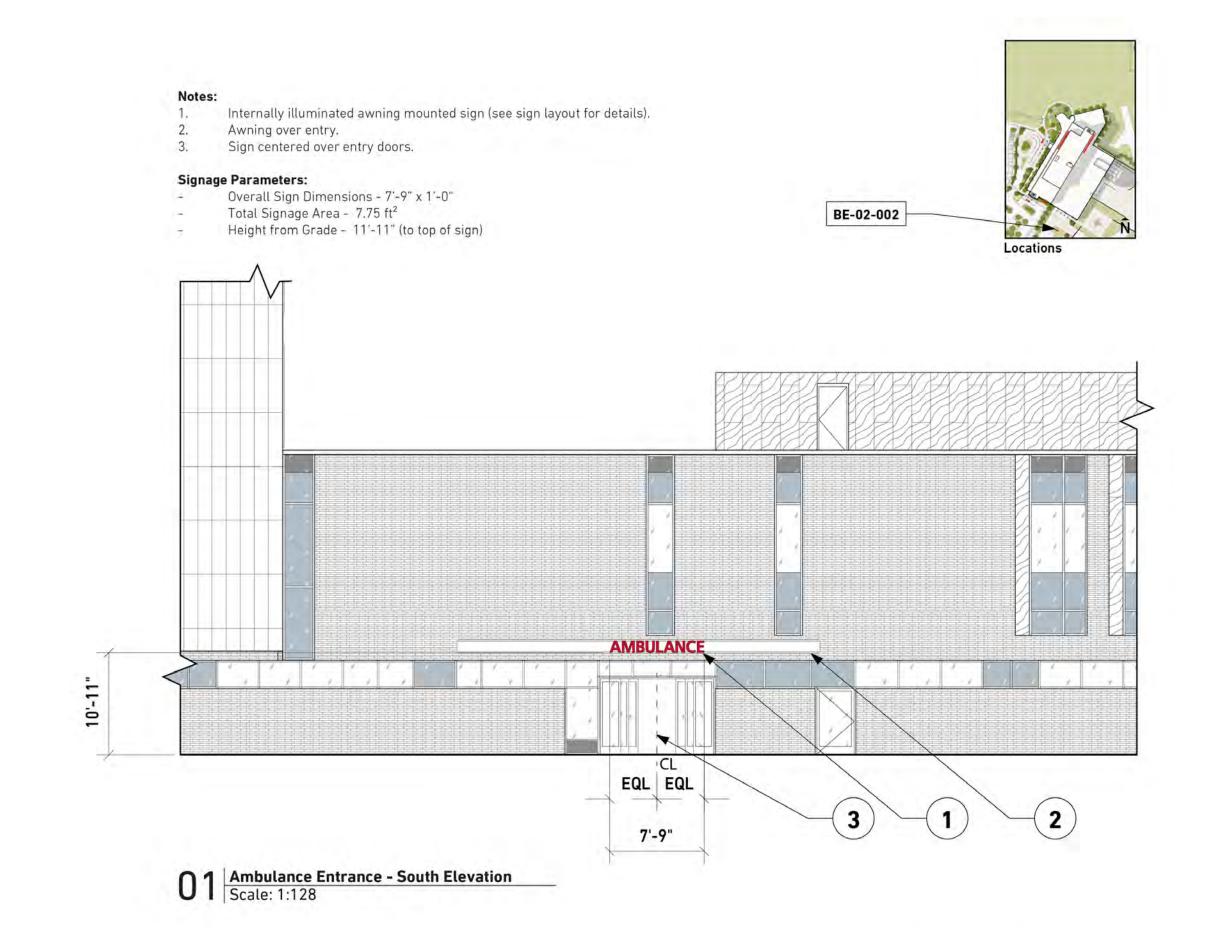
06.20.2022 Revisions:

Design and Size Changes

Sign Name Building Entrance Sign Canopy

BE-01

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 |



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Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022

Revisions: Elevation Updated 07.13.2022

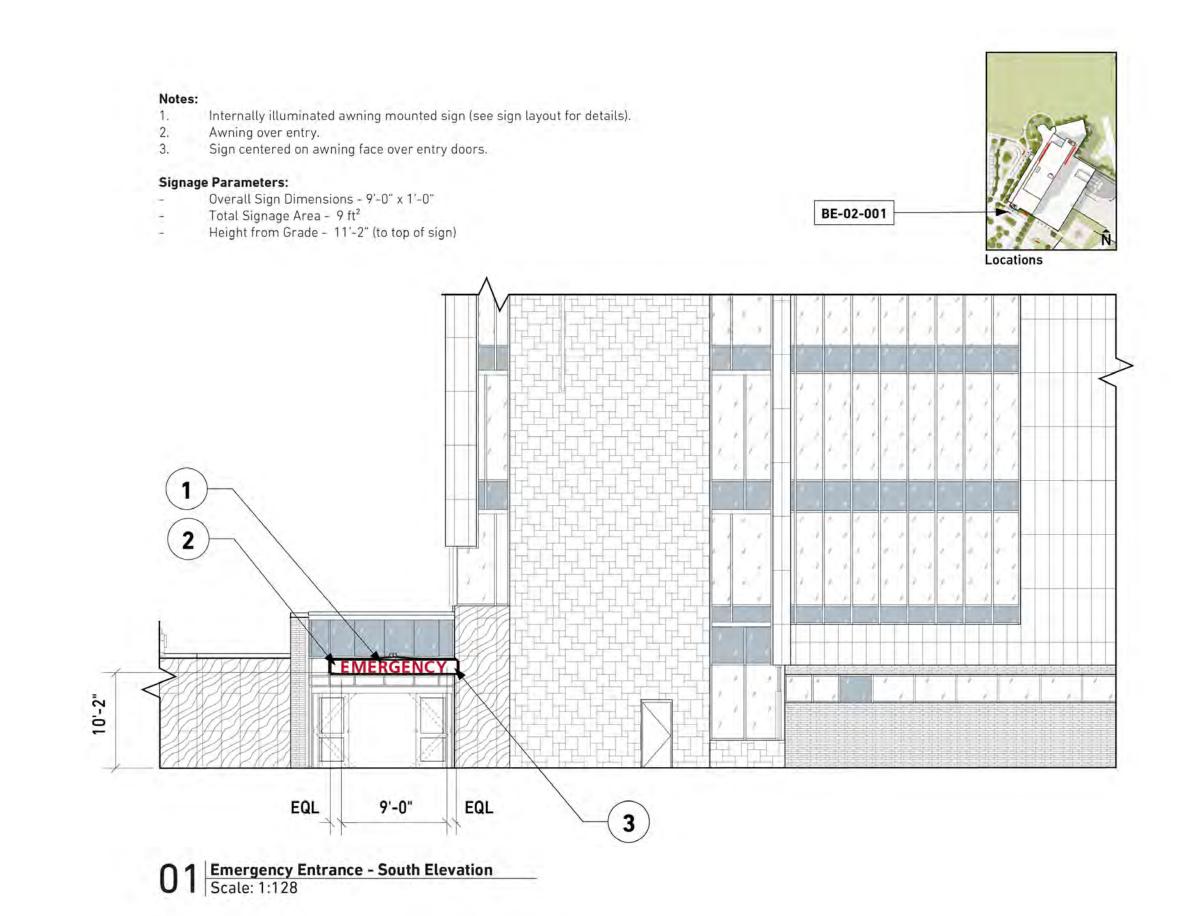
Design Intent

Sign Name Building Entrance Sign

Canopy Emergency

BE-02

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 7



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Wayfinding Signage System

Wayfinding Signage System

Project Number: C22524

Exterior Signage Design Updates **Issued For Coordination & Discussion**

Elevation Updated 07.13.2022

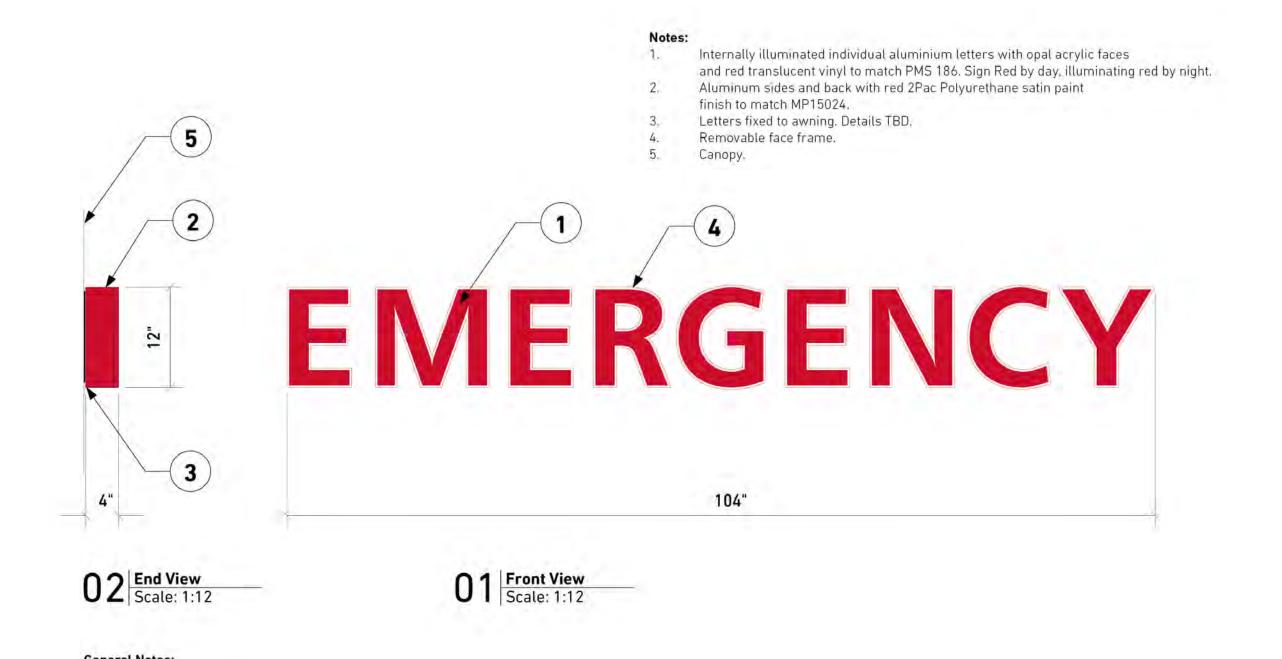
Sign Name

Building Entrance Sign

Canopy Emergency

BE-02

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 6



Sign contractor to ensure sign structure, footings and fixings are fit for purpose.

All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

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Mount Carmel Northwest Health Wayfinding Signage System Project Number: C22524 Wayfinding Signage System

Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022

Design Intent

Sign Name **Building Entrance Sign**

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 8

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Canopy Emergency

BE-02

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MOUNT CARMEL

MOUNT CARMEL

NORTHWEST HEALTH

HEALTH

SYSTEM

CAMPUS

PARKWAY

DUBLIN, OH

4105 EMERALD

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DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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Mount Carmel Northwest Health Wayfinding Signage System Project Number: C22524 Wayfinding Signage System

Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022

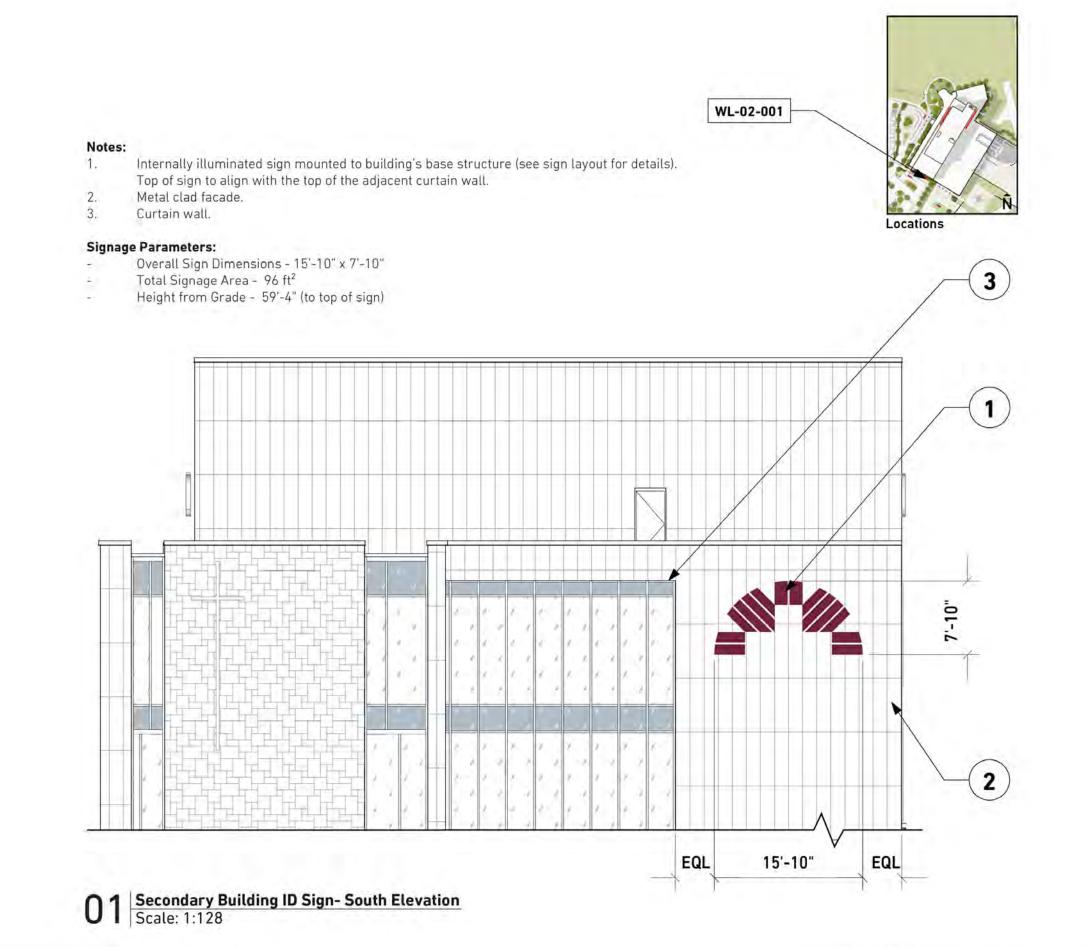
Revisions:

Design Intent

Sign Name Primary Building ID Sign Wall

WL-01

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 11



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Exterior Signage Design Updates Issued For Coordination & Discussion 06.20.2022

Wayfinding Signage System

Revisions: Elevation Updated 07.13.2022

Design Intent

Sign Name

Secondary Building ID Sign

WL-02

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 12

WL-01-002 73'-1" 56'-3" -(3)O1 | Primary Building ID Sign - East Elevation | Scale: 1:128 Internally illuminated sign mounted through equipment screen, to purpose-built structural support frame (see sign layout for details). Internally illuminated sign (see sign layout for details). Building equipment screen. Signage Parameters: Overall Sign Dimensions - 73'-1" x 7'-2"
 Total Signage Area - 350 ft²
 Height from Grade - 69'-10" (to top of sign)

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Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022

Project Number: C22524

Wayfinding Signage System

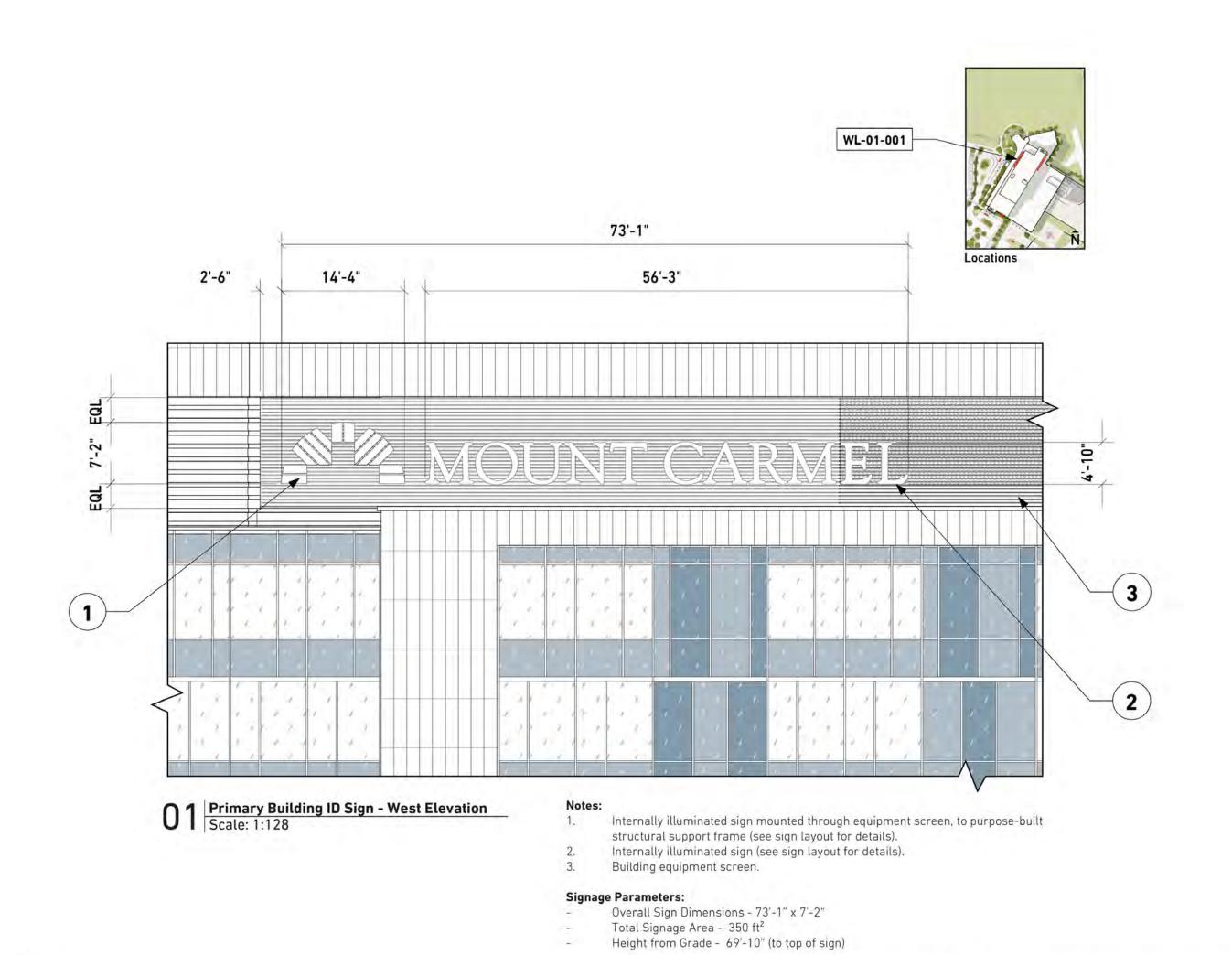
Revisions: Elevation Updated 07.13.2022

Design Intent

Sign Name Primary Building ID Sign

WL-01

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Mount Carmel Northwest Health Campus Wayfinding Signage System Project Number: C22524 **Wayfinding Signage System**

Exterior Signage Design Updates Issued For Coordination & Discussion 06.20.2022

Elevation Updated 07.13.2022

Design Intent

Sign Name Primary Building ID Sign Wall

WL-01

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 9

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MOUNT CARMEL HEALTH SYSTEM



PARKWAY

DUBLIN, OH

△NO DESCRIPTION DATE

SIGN DETAILS

ISSUANCE HISTORY - THIS SHEET

HGA NO: 1927-004-00

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT

General Notes: Sign contractor to ensure sign structure, footings and fixings are fit for purpose. All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

O1 Front View
Scale: 1:32

O2 End View Scale: 1:32

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Mount Carmel Northwest Health Wayfinding Signage System

Project Number: C22524 Wayfinding Signage System

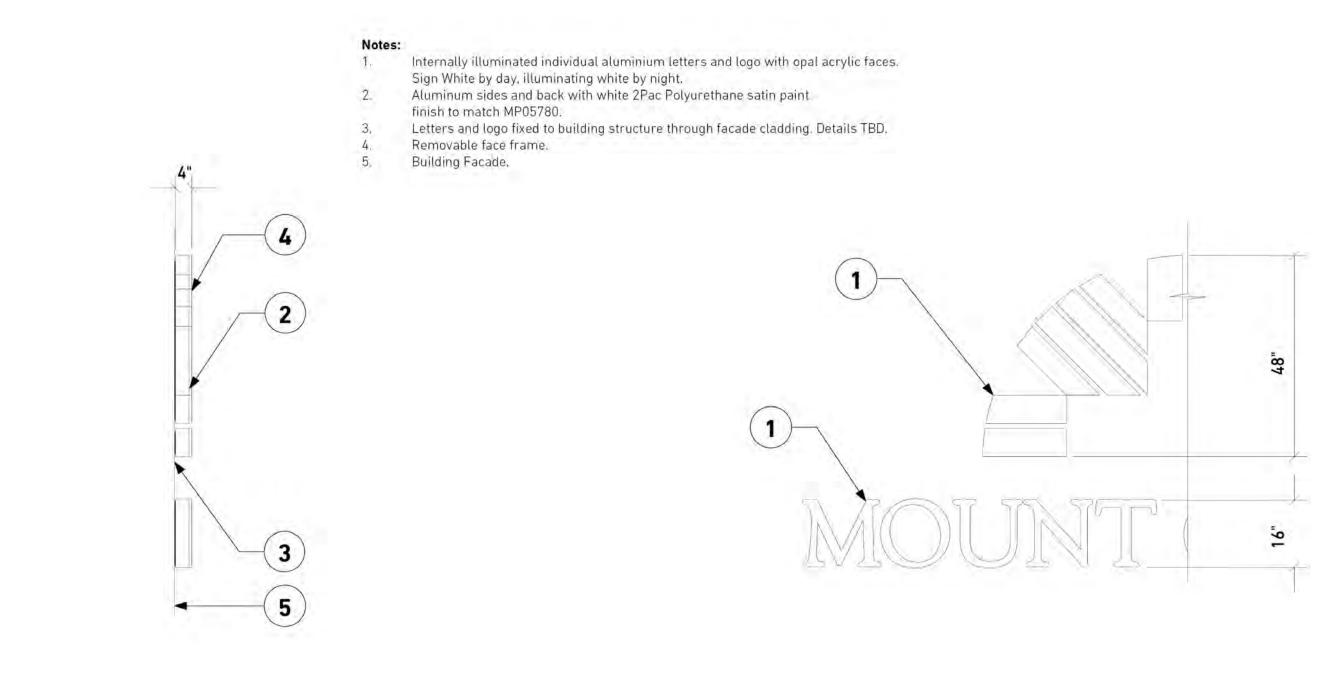
Exterior Signage Design Updates Issued For Coordination & Discussion

Sign Name

Secondary Building ID Sign

WL-02

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 13



General Notes: Sign contractor to ensure sign structure, footings and fixings are fit for purpose. All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio. MKSK 462 S Ludlow St. Columbus, Ohio, 43215 t: 614.621.2796 www.mkskstudios.com MOUNT CARMEL A Member of Trinity Health Mount Carmel Northwest Health

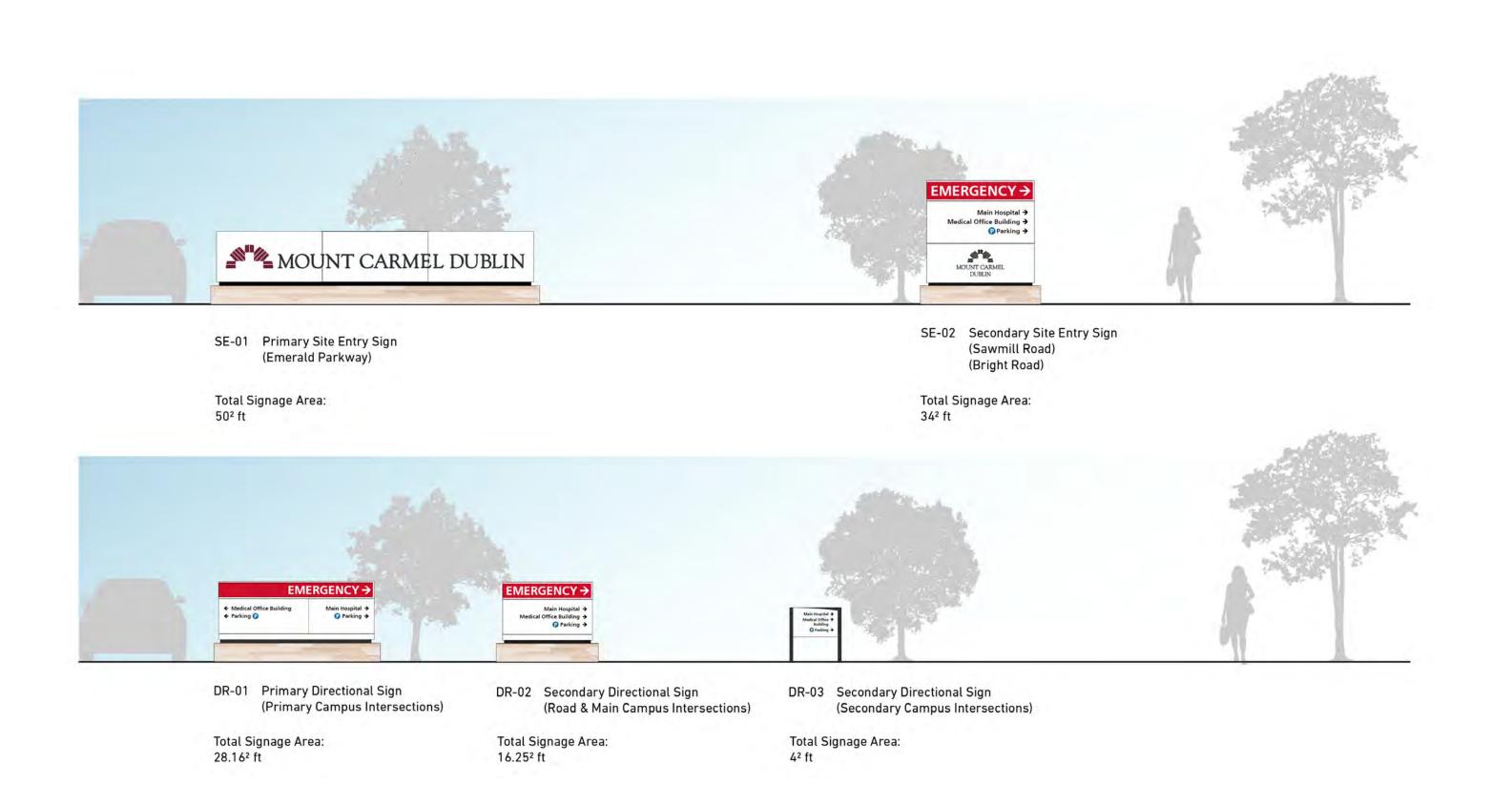
Wayfinding Signage System Project Number: C22524 Wayfinding Signage System

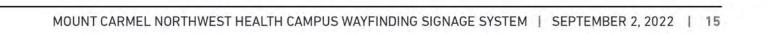
Exterior Signage Design Updates Issued For Coordination & Discussion 06.20.2022

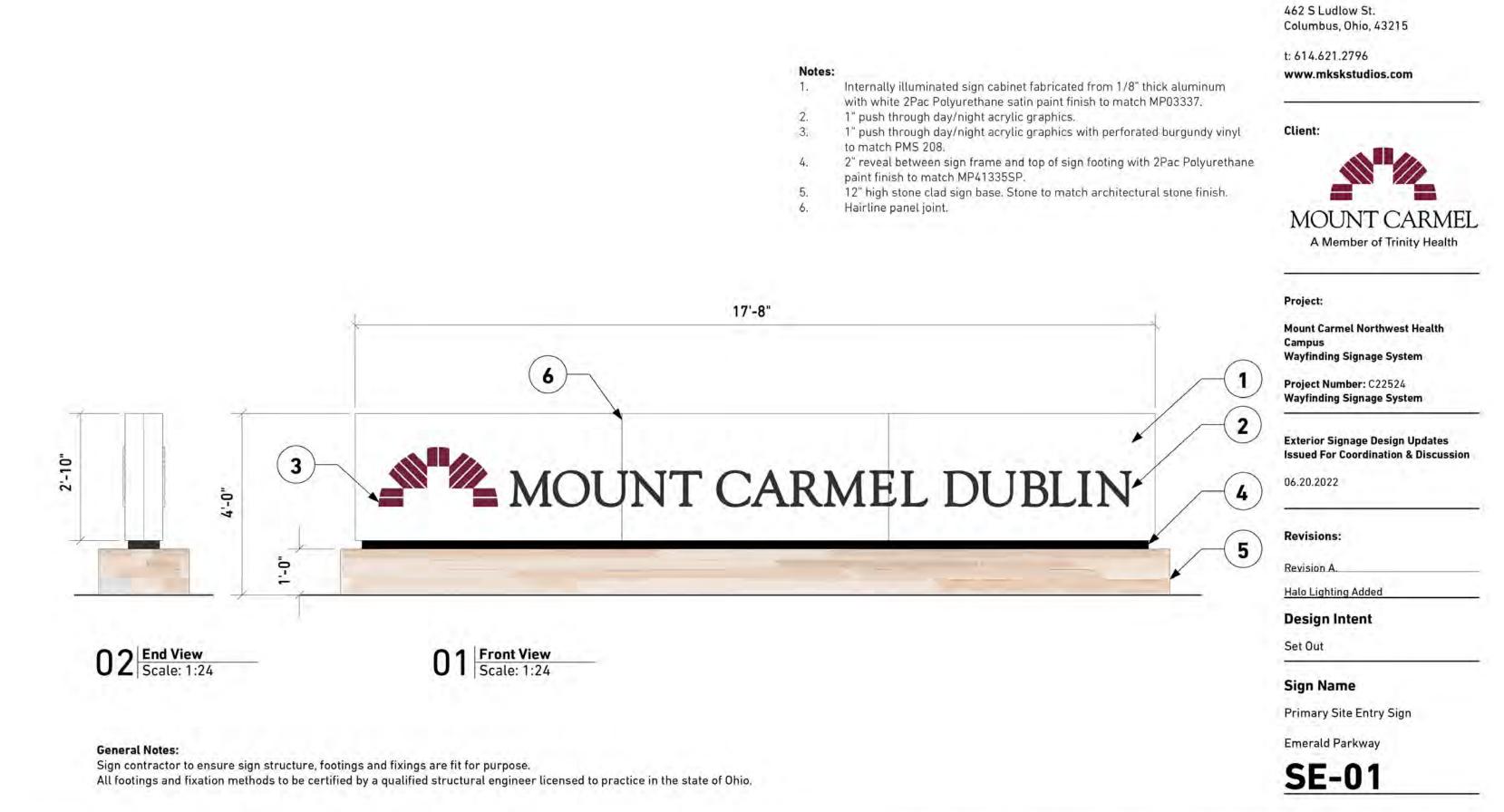
Sign Name Secondary Building ID Sign

WL-03

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 14







MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 16

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MOUNT CARMEL HEALTH SYSTEM



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH MKSK

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DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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MOUNT CARMEL HEALTH

SYSTEM



4105 EMERALD

PARKWAY

DUBLIN, OH

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Mount Carmel Northwest Health

Wayfinding Signage System

Wayfinding Signage System

Exterior Signage Design Updates

Issued For Coordination & Discussion

Project Number: C22524

06.20.2022

Revision A.

Halo Lighting Added

Design Intent

Sign Name

DR-01

Primary Directional Sign

(Primary Campus Intersections)

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Mount Carmel Northwest Health Wayfinding Signage System Project Number: C22524 Wayfinding Signage System

Exterior Signage Design Updates Issued For Coordination & Discussion

Design Intent

Sign Name

Secondary Directional Sign (Secondary Campus Intersections)

DR-03

ISSUANCE HISTORY - THIS SHEET

NO DESCRIPTION DATE

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462 S Ludlow St. Columbus, Ohio, 43215 t: 614.621.2796 www.mkskstudios.com 0.5" opal acrylic, push through day/night acrylic graphics with halo illumination. 0.5" push through opal acrylic graphics with translucent vinyl to match PMS 293.

MOUNT CARMEL

Mount Carmel Northwest Health Wayfinding Signage System

> Wayfinding Signage System Exterior Signage Design Updates Issued For Coordination & Discussion

Revision A.

Halo Lighting Added **Design Intent**

Secondary Site Entry Sign Sawmill Road, Bright Road

Sign contractor to ensure sign structure, footings and fixings are fit for purpose. All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

O3 Side View Scale: 1:24

General Notes:

A Member of Trinity Health Project Number: C22524 06.20.2022

Internally illuminated emergency beacon with opal acrylic faces

2" reveal between sign frame and top of sign footing.

finish to match MP03337.

and applied translucent red vinyl graphics to match PMS 186.

0.5" opal acrylic, push through graphics with halo illumination.

Aluminum frame and top with white 2Pac Polyurethane satin paint

1/4" reveal with 2Pac Polyurethane paint finish to match MP41335SP. Internally illuminated sign cabinet fabricated from 1/8" thick aluminum

12" high stone clad sign base. Stone to match architectural stone finish.

0.5" opal acrylic, push through day/night acrylic graphics with halo illumination. 0.5" push through opal acrylic graphics with translucent vinyl to match PMS 293.

with white 2Pac Polyurethane satin paint finish to match MP03337.

1. Internally illuminated emergency beacon with opal acrylic faces

2" reveal between sign frame and top of sign footing.

finish to match MP03337.

6'-0"

EMERGENCY →

MOUNT CARMEL DUBLIN

O1 Front View
Scale: 1:24

5'-0"

EMERGENCY →

O1 Front View Scale: 1:24

Medical Office Building

Main Hospital >

⊕ Parking →

All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

Main Hospital >

Parking >4

Medical Office Building >

and applied translucent red vinyl graphics to match PMS 186.

0.5" opal acrylic, push through graphics with halo illumination.

Aluminum frame and top with white 2Pac Polyurethane satin paint

1/4" reveal with 2Pac Polyurethane paint finish to match MP41335SP.

with white 2Pac Polyurethane satin paint finish to match MP03337.

Internally illuminated sign cabinet fabricated from 1/8" thick aluminum

12" high stone clad sign base. Stone to match architectural stone finish.

Set Out Sign Name **SE-02**

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 17

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MOUNT CARMEL A Member of Trinity Health

Wayfinding Signage System Project Number: C22524 Wayfinding Signage System Exterior Signage Design Updates **Issued For Coordination & Discussion**

Mount Carmel Northwest Health

Design Intent

Sign Name Secondary Directional Sign (Road & Main Campus Intersections)

DR-02

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 19

architectural charcoal metal finish, TBD. Applied vinyl graphics to match 3M Scotchcal Opaque 7725-17 Applied vinyl graphics to match architectural charcoal metal finish, TBD. Finished back side when single sided sign required. Main Hospital → Medical Office → Building

Parking →

O1 Front View Scale: 1:12

8'-8"

← Medical Office Building

← Parking (2)

O1 Front View Scale: 1:24

EMERGENCY >

Main Hospital 3

Parking >

Scale: 1:12

Sign contractor to ensure sign structure, footings and fixings are fit for purpose. All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

Halo Lighting Added O2 End View
Scale: 1:24

02 End View Scale: 1:12

Internally illuminated emergency beacon with opal acrylic faces

2" reveal between sign frame and top of sign footing.

finish to match MP03337.

and applied translucent red vinyl graphics to match PMS 186.

0.5" opal acrylic, push through graphics with halo illumination.

Aluminum frame and top with white 2Pac Polyurethane satin paint

1/4" reveal with 2Pac Polyurethane paint finish to match MP41335SP.

with white 2Pac Polyurethane satin paint finish to match MP03337.

12" high stone clad sign base. Stone to match architectural stone finish.

Internally illuminated sign cabinet fabricated from 1/8" thick aluminum

0.5" opal acrylic, push through day/night acrylic graphics with halo illumination.

0.5" push through opal acrylic graphics with translucent vinyl to match PMS 293.

O2 End View Scale: 1:24

Double sided Freestanding, externally illuminated post and panel sign

2"x 2" SHS post with 2Pac Polyurethane paint finish to match

with white 2Pac Polyurethane satin paint finish to match MP05780.

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 18

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 20

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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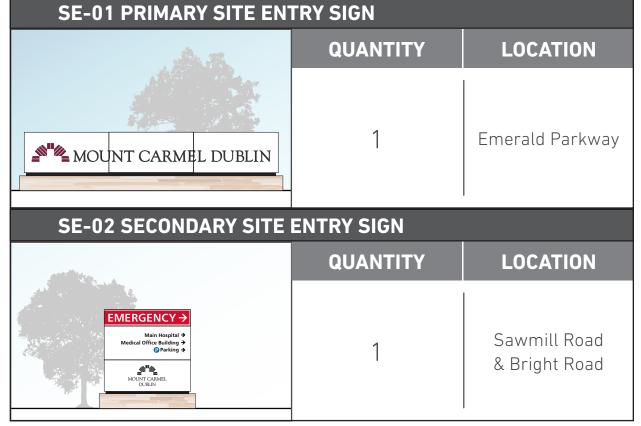
Scale: 1:24 Sign contractor to ensure sign structure, footings and fixings are fit for purpose. All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

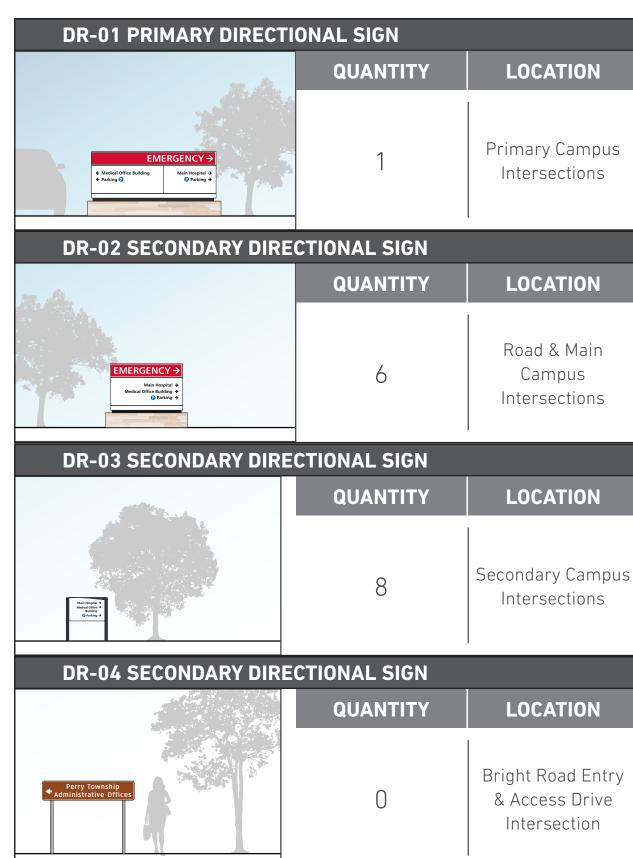
Scale: 1:24

Sign contractor to ensure sign structure, footings and fixings are fit for purpose.

General Notes:

SIGN QUANTITIES





MKSK

462 S Ludlow St. Columbus, Ohio, 43215

t: 614.621.2796 www.mkskstudios.com

Client:



Project:

Mount Carmel Northwest Health Campus Wayfinding Signage System

Project Number: C22524
Wayfinding Signage System

Exterior Signage Design Updates
Issued For Coordination & Discussion

06.20.2022

Revisions:

Design Intent

Sign Name

GENERAL - SIGN QUANTITIES & TYPES

MOUNT CARMEL HEALTH SYSTEM

SIGN QUANTITIES

Site Signs - Parameters & Quantities

Sign Code	Sign Name	City of Dublin Ordinance Type	Mounting Type	Location	Illumination	ft²	Qty.
SE-01	Primary Site Entry Sign	Site Entry Sign	Ground	Site Entry - Emerald Parkway	Internal	50	1
SE-02	Secondary Site Entry Sign	Site Entry Sign	Ground	Site Entry - Sawmill Rd. & Bright Rd.	Internal	34	1
DR-01	Primary Directional Sign	Primary Directional Sign	Ground	Internal Site Loop Road	Internal	28	1
DR-02	Secondary Directional Sign	Secondary Directional Sign	Ground	Site Entry - Emerald Parkway & Internal Site Loop Road	Internal	16	6
DR-03	Secondary Directional Sign	Secondary Directional Sign	Ground	Internal Site	External	4	8
DR-04	Secondary Directional Sign	Secondary Directional Sign	Ground	Bright Rd. Site Entry & Internal Site Loop Road	N/A	9	0

Building Signs - Parameters & Quantities

Sign Code	Sign Name	City of Dublin Ordinance Type	Mounting Type	Location	Illumination	ft²	Qty.
BE-01	Building Entrance Sign	Building Entrance Sign	Wall/Canopy	Main Hospital Entrance	Internal	33	2
BE-02	Building Entrance Sign - ER	Building Entrance Sign	Wall/Canopy	ED & Ambulance Entries	Internal	34	2
WL-01	Primary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Equipment Screen	Internal	350	2
WL-02	Secondary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Facade	Internal	96	1
WL-03	Secondary Building ID Sign	Building ID Sign - Wall Sign	Wall	Building Facade	Internal	46	1



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Sign Name

GENERAL - SIGN QUANTITIES & TYPES

COLORS & MATERIALS



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Sign Name **GENERAL - MATERIALS & COLORS**



PANTONE MATCH:

PMS 208 C

PAINT MATCH:

Mathews 144MP14062 Elderberry Wine (Satin Finish)

ALTERNATE:

Sherwin Williams Wild Current SW7583

VINYL-TRANSLUCENT MATCH:

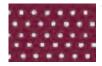
Oracal Translucent Dark Red 030 Series 8800 Vinyl

VINYL-OPAQUE MATCH:

Oracal Translucent Dark Red 030 Series 8800 Vinyl

VINYL-PERFORATED

(High-Level Usage Only) 3M Scotchcal Dual Colored Perforated Film, Color: Custom



*To match Oracle translucent to Dark Red 030



PANTONE MATCH:

PMS 186 C

PAINT MATCH:

Mathews MP15024 Red Dragon (Satin Finish)

VINYL-TRANSLUCENT MATCH:

3M Scotchcal Translucent 3630-33 Red Vinyl Background

VINYL-OPAQUE MATCH:

3M Scotchcal Opaque 7725-13 Tomato Red

VINYL-REFLECTIVE:

3M Scotchcal Reflective 680-72 Red

PANTONE MATCH:

MC WHITE

White

PAINT MATCH:

Mathews MP05780 Pearl Stone (Satin Finish)

VINYL-TRANSLUCENT MATCH:

3M Scotchcal Translucent 3630-20

VINYL-OPAQUE MATCH:

3M Scotchcal Opaque 7725-10

VINYL-REFLECTIVE:

3M Scotchcal Reflective 680-10 White

PAINT MATCH:

MC BLACK

Mathews MP41335SP Anodic Black (Satin Finish)

VINYL-OPAQUE MATCH:

3M Scotchcal Opaque 7725-12 Black

VINYL-REFLECTIVE:

3M Scotchcal Reflective Black Vinyl 680-85

VINYL-PERFORATED

(High-Level Usage Only) 3M Scotchcal Dual Colored Perforated Film 3635-222 Black



ACRYLIC:

Binary Black/White Acrylic

PANTONE MATCH:

PMS 293 C

PAINT MATCH:

TBD

VINYL-TRANSLUCENT MATCH:

3M Scotchcal Translucent 3630-97 Bristol Blue

VINYL-OPAQUE MATCH:

REGULATORY BLUE

3M Scotchcal Opaque 7725-17 Vivid Blue

VINYL-REFLECTIVE MATCH:

3M Scotchcal Reflective 680-76 Light Blue

PANTONE MATCH:

BRUSHED

ALUMINUM METAL

PMS 877 C

PAINT MATCH:

Mathews MP30136 Brushed Aluminum

VINYL-TRANSLUCENT MATCH:

3M Scotchcal Translucent 3630-21

VINYL-OPAQUE MATCH:

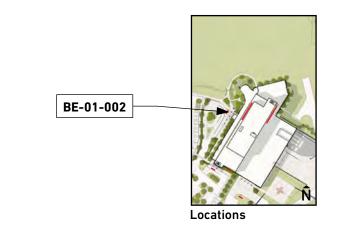
3M Scotchcal Opaque 7725-120 Satin Aluminum

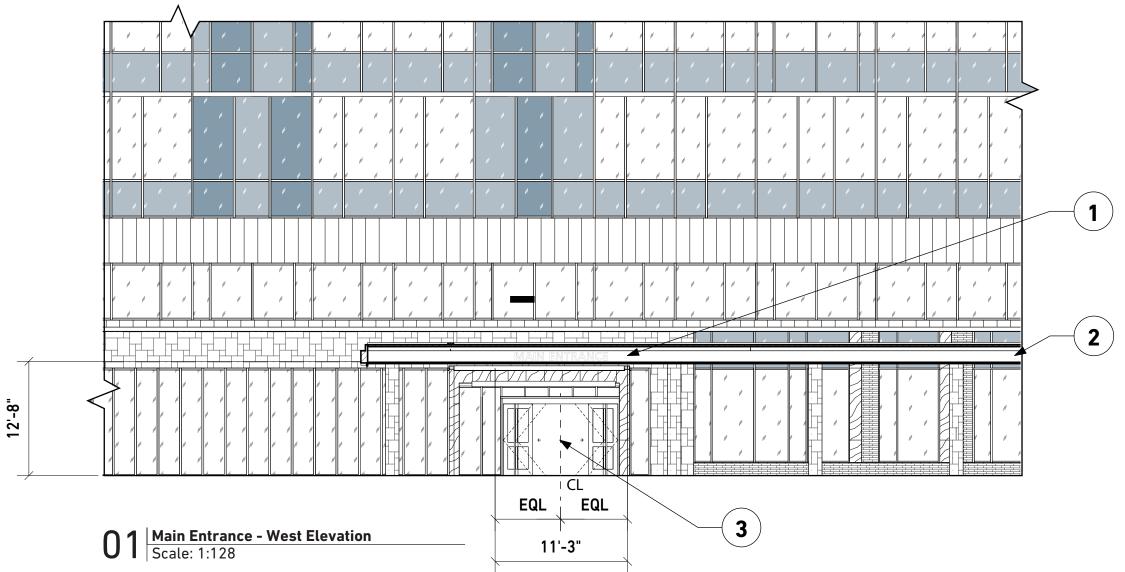


- Internally illuminated awning mounted sign (see sign layout for details).
- 2. Awning over entry.
- Sign centered over entry doors.

Signage Parameters:

- Overall Sign Dimensions 11'-3" x 1-0"
- Total Signage Area 11.25 ft²
- Height from Grade 13'-8" (to top of sign)





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06.20.2022

Revisions:

Elevation Updated 07.13.2022

Design Intent

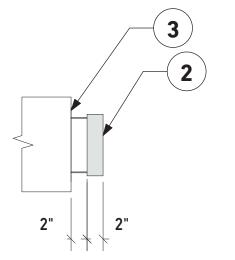
Set Out

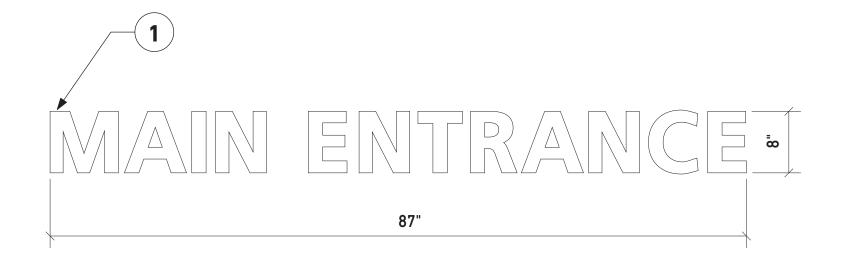
Sign Name

Building Entrance Sign

Canopy

- Internally illuminated individual letters with satin anodized aluminum faces and sides. Sign with white halo illumination at night. No face illumination.
- 2. Letters fixed to awning. Details TBD.
- 3. Canopy.





O2 End View
Scale: 1:12

General Notes:

Sign contractor to ensure sign structure, footings and fixings are fit for purpose.

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Exterior Signage Design Updates Issued For Coordination & Discussion

06.20.2022

Revisions:

Design and Size Changes

Design Intent

Detail

Sign Name

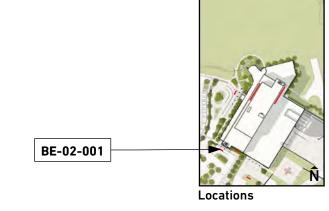
Building Entrance Sign

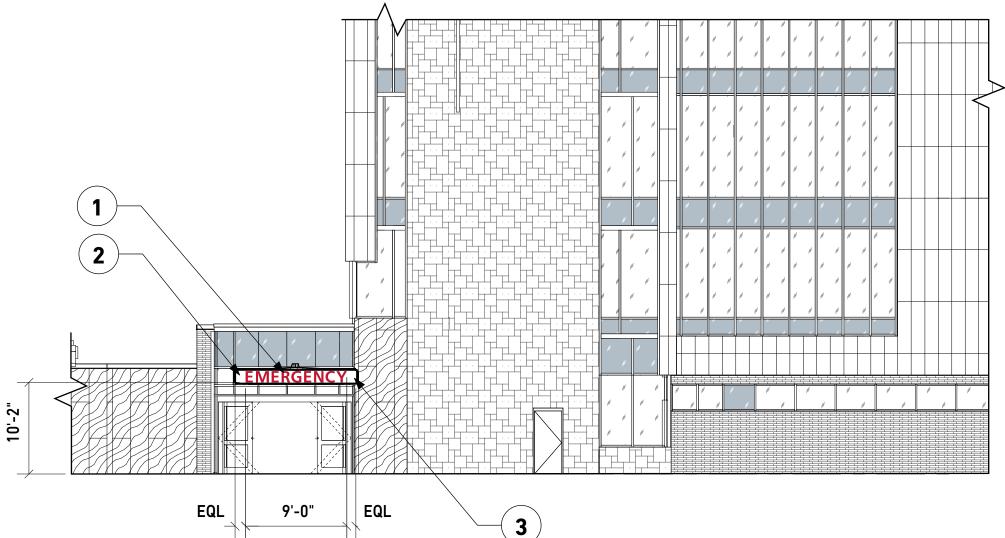
Canopy

- Internally illuminated awning mounted sign (see sign layout for details).
- Awning over entry.
- 3. Sign centered on awning face over entry doors.

Signage Parameters:

- Overall Sign Dimensions 9'-0" x 1'-0"
- Total Signage Area 9 ft²
- Height from Grade 11'-2" (to top of sign)





O 1 | Emergency Entrance - South Elevation | Scale: 1:128

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Client:



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Mount Carmel Northwest Health Campus **Wayfinding Signage System**

Project Number: C22524 **Wayfinding Signage System**

Exterior Signage Design Updates Issued For Coordination & Discussion

06.20.2022

Revisions:

Elevation Updated 07.13.2022

Design Intent

Set Out

Sign Name

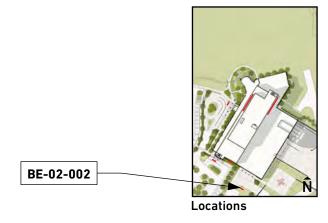
Building Entrance Sign

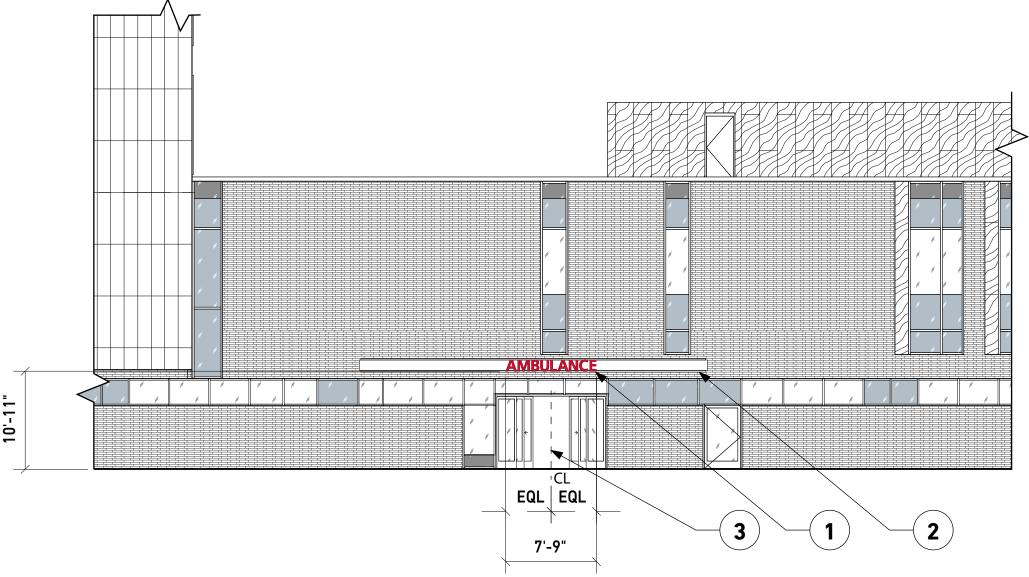
Canopy Emergency

- Internally illuminated awning mounted sign (see sign layout for details).
- 2. Awning over entry.
- Sign centered over entry doors. 3.

Signage Parameters:

- Overall Sign Dimensions 7'-9" x 1'-0"
- Total Signage Area 7.75 ft²
- Height from Grade 11'-11" (to top of sign)





O 1 | Ambulance Entrance - South Elevation | Scale: 1:128

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Client:



Project:

Mount Carmel Northwest Health Campus **Wayfinding Signage System**

Project Number: C22524 **Wayfinding Signage System**

Exterior Signage Design Updates Issued For Coordination & Discussion

06.20.2022

Revisions:

Elevation Updated 07.13.2022

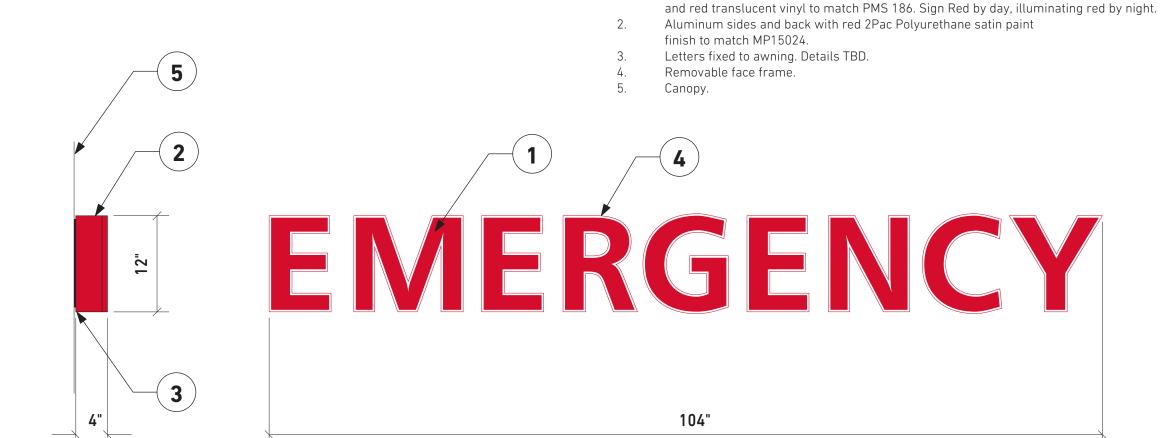
Design Intent

Set Out

Sign Name

Building Entrance Sign

Canopy Emergency



Internally illuminated individual aluminium letters with opal acrylic faces

General Notes:

02 End View Scale: 1:12

Sign contractor to ensure sign structure, footings and fixings are fit for purpose.

All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

Front View
Scale: 1:12

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Client:



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Mount Carmel Northwest Health Campus **Wayfinding Signage System**

Project Number: C22524 **Wayfinding Signage System**

Exterior Signage Design Updates Issued For Coordination & Discussion

06.20.2022

Revisions:

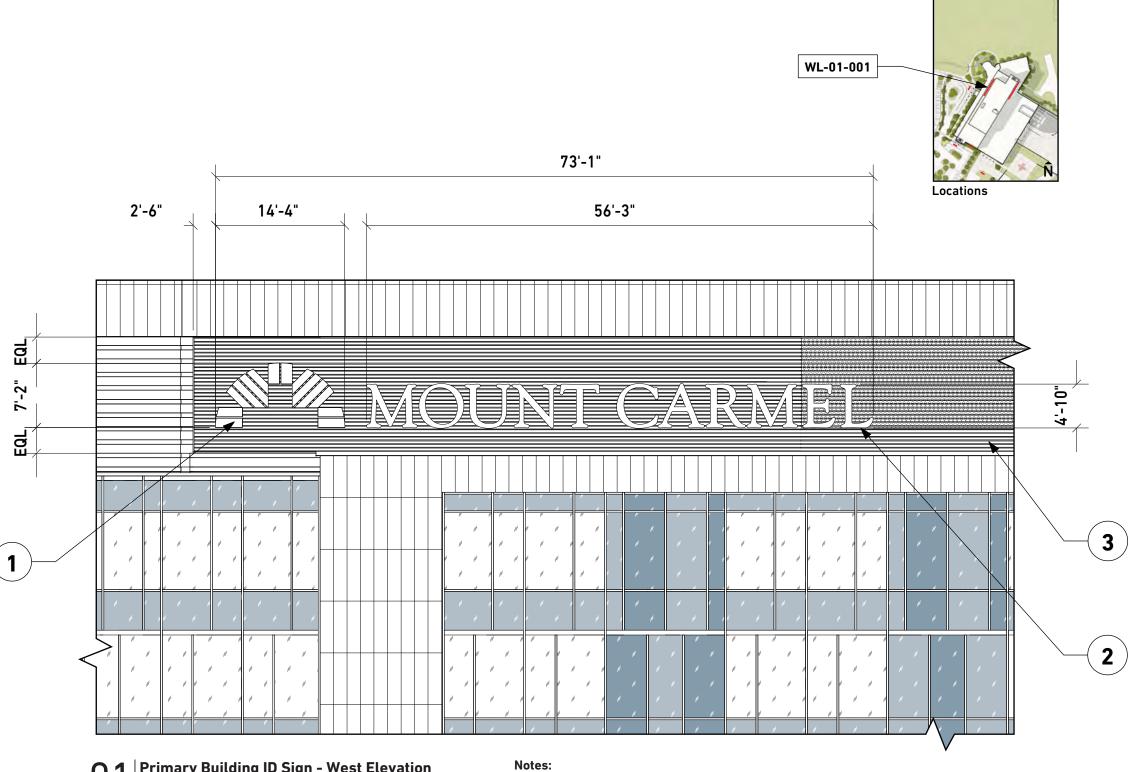
Design Intent

Detail

Sign Name

Building Entrance Sign

Canopy Emergency



Primary Building ID Sign - West Elevation
Scale: 1:128

- 1. Internally illuminated sign mounted through equipment screen, to purpose-built structural support frame (see sign layout for details).
- 2. Internally illuminated sign (see sign layout for details).
- 3. Building equipment screen.

Signage Parameters:

- Overall Sign Dimensions 73'-1" x 7'-2"
- Total Signage Area 350 ft²
- Height from Grade 69'-10" (to top of sign)

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Client:



Project:

Mount Carmel Northwest Health Campus Wayfinding Signage System

Project Number: C22524 Wayfinding Signage System

Exterior Signage Design Updates
Issued For Coordination & Discussion

06.20.2022

Revisions:

Elevation Updated 07.13.2022

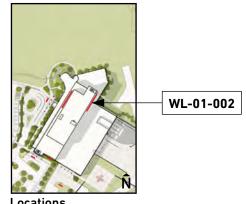
Design Intent

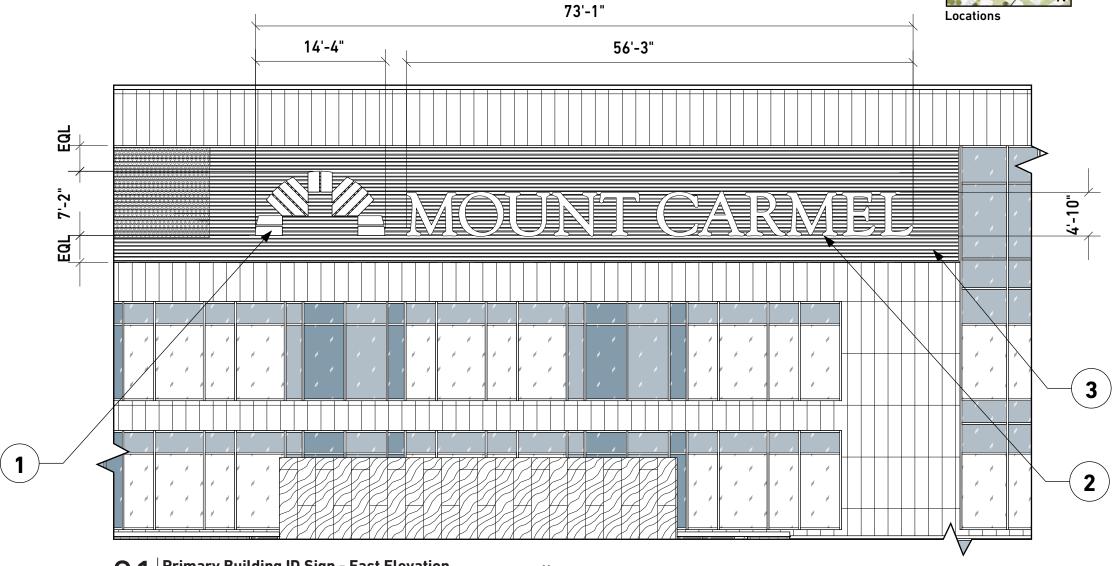
Set Out

Sign Name

Primary Building ID Sign

Wall





Primary Building ID Sign - East Elevation
Scale: 1:128

Notes:

- Internally illuminated sign mounted through equipment screen, to purpose-built structural support frame (see sign layout for details).
- Internally illuminated sign (see sign layout for details).
- Building equipment screen.

Signage Parameters:

- Overall Sign Dimensions 73'-1" x 7'-2"
- Total Signage Area 350 ft²
- Height from Grade 69'-10" (to top of sign)

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Client:



Project:

Mount Carmel Northwest Health Campus **Wayfinding Signage System**

Project Number: C22524 **Wayfinding Signage System**

Exterior Signage Design Updates Issued For Coordination & Discussion

06.20.2022

Revisions:

Elevation Updated 07.13.2022

Design Intent

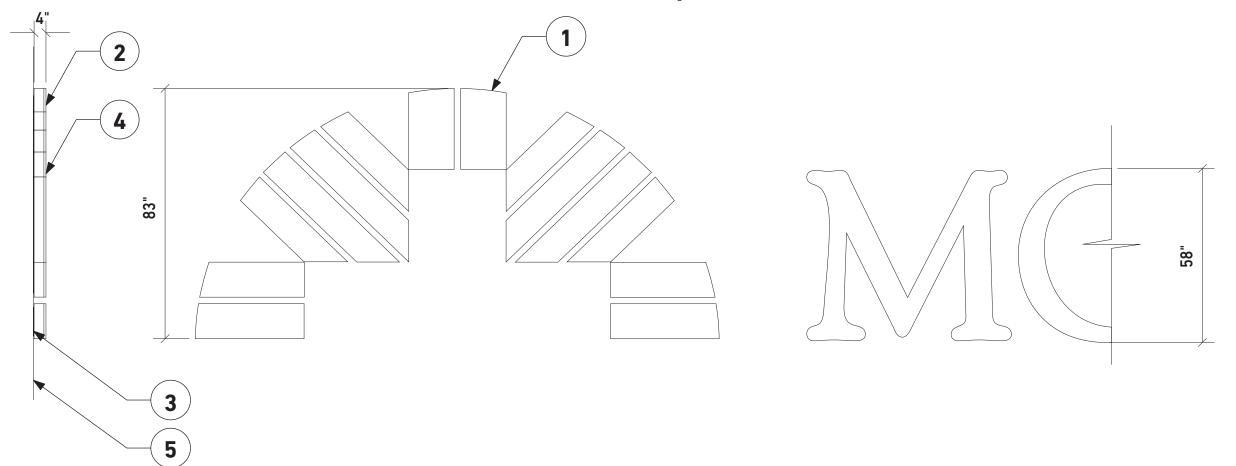
Set Out

Sign Name

Primary Building ID Sign

Wall

- Internally illuminated individual aluminium letters and logo with opal acrylic faces. Sign White by day, illuminating white by night.
- Aluminum sides and back with white 2Pac Polyurethane satin paint finish to match MP05780.
- Letters and logo fixed to building structure through facade cladding. Details TBD.
- 4. Removable face frame.
- 5. Building facade.



02 End View Scale: 1:32

Front View Scale: 1:32

General Notes:

Sign contractor to ensure sign structure, footings and fixings are fit for purpose.

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Revisions:

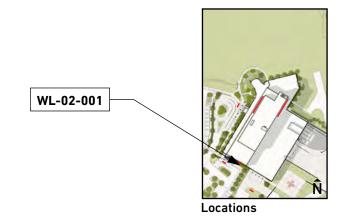
Design Intent

Detail

Sign Name

Primary Building ID Sign

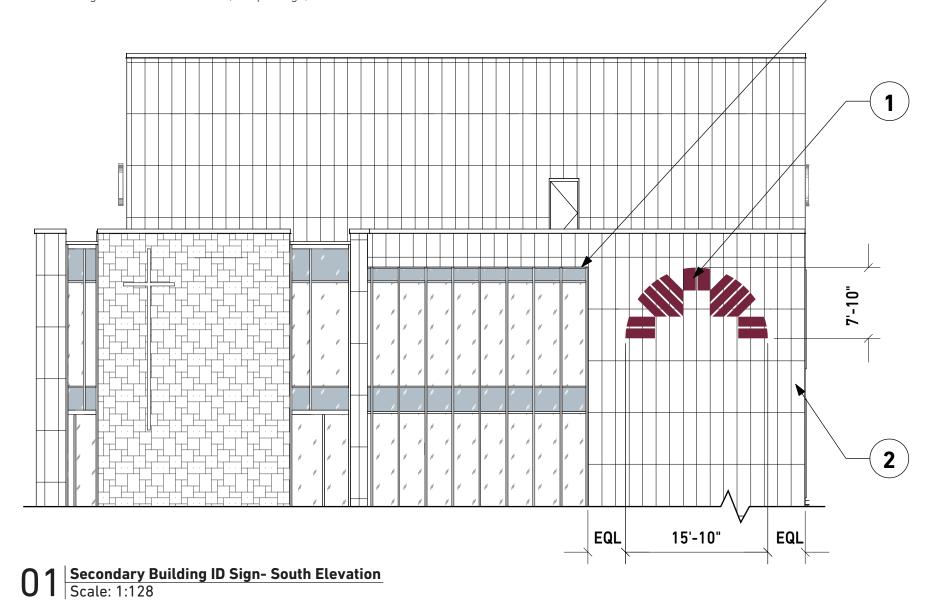
Wall



- Internally illuminated sign mounted to building's base structure (see sign layout for details). Top of sign to align with the top of the adjacent curtain wall.
- Metal clad facade.
- 3. Curtain wall.

Signage Parameters:

- Overall Sign Dimensions 15'-10" x 7'-10"
- Total Signage Area 96 ft²
- Height from Grade 59'-4" (to top of sign)



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Revisions:

Elevation Updated 07.13.2022

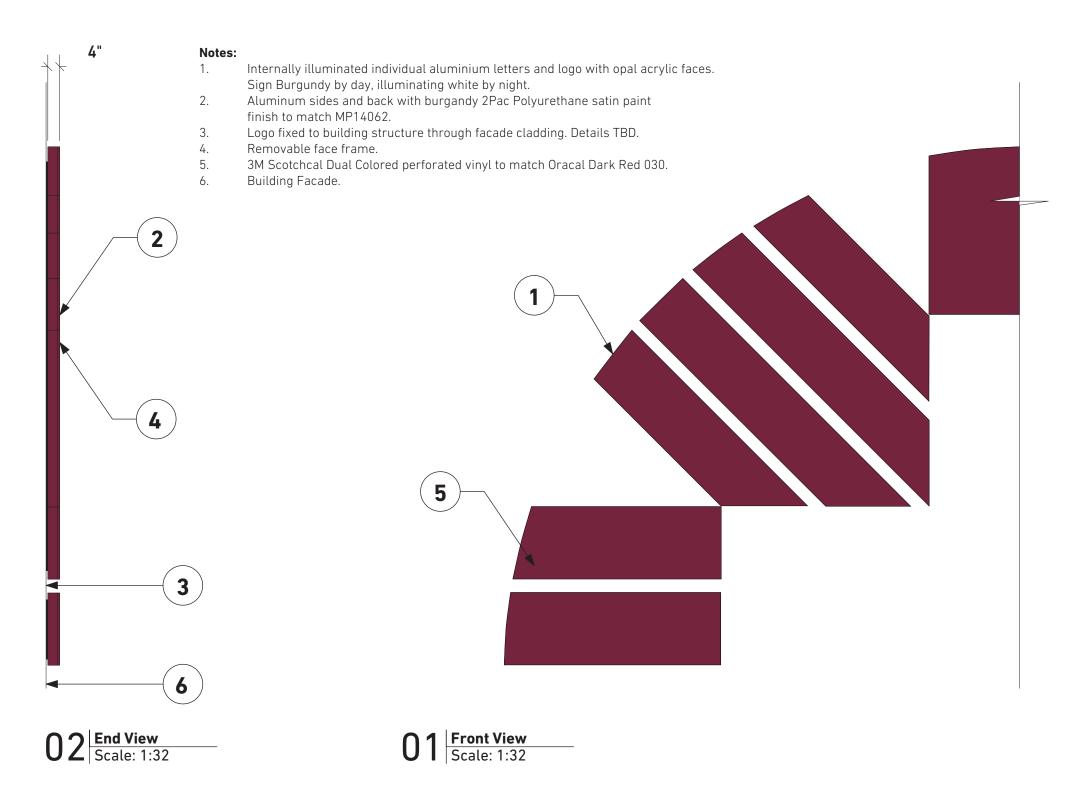
Design Intent

Set Out

Sign Name

Secondary Building ID Sign

Wall



General Notes:

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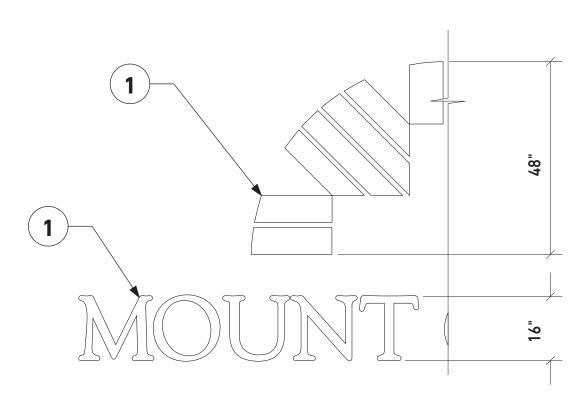
Design Intent

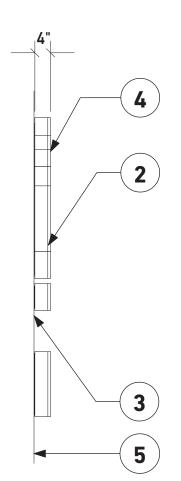
Detail

Sign Name

Secondary Building ID Sign

- Internally illuminated individual aluminium letters and logo with opal acrylic faces. Sign White by day, illuminating white by night.
- Aluminum sides and back with white 2Pac Polyurethane satin paint 2. finish to match MP05780.
- Letters and logo fixed to building structure through facade cladding. Details TBD.
- 4. Removable face frame.
- 5. Building Facade.





02 End View Scale: 1:24

Front View
Scale: 1:24

General Notes:

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Revisions:

Design Intent

Detail

Sign Name

Secondary Building ID Sign

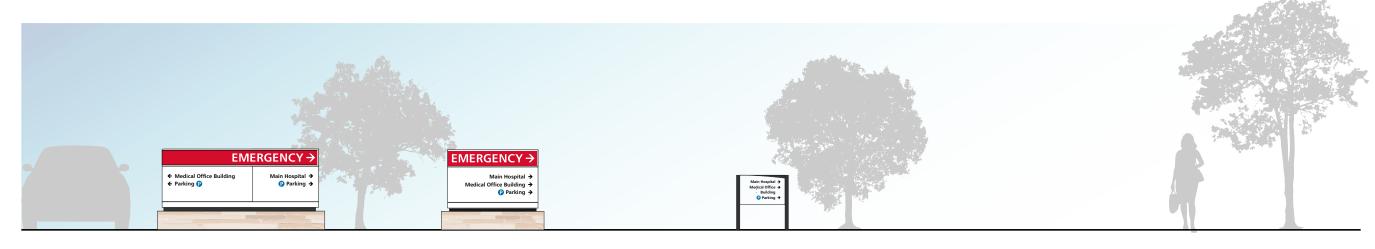


SE-01 Primary Site Entry Sign (Emerald Parkway)

Total Signage Area: 50² ft

SE-02 Secondary Site Entry Sign (Sawmill Road) (Bright Road)

Total Signage Area: 34² ft



DR-01 Primary Directional Sign (Primary Campus Intersections)

Total Signage Area: 28.16² ft

DR-02 Secondary Directional Sign (Road & Main Campus Intersections)

Total Signage Area: 16.25² ft

DR-03 Secondary Directional Sign (Secondary Campus Intersections)

Total Signage Area: 4² ft