

HGA

333 East Erie Street

Telephone 414.278.8200

Milwaukee, Wisconsin 53202

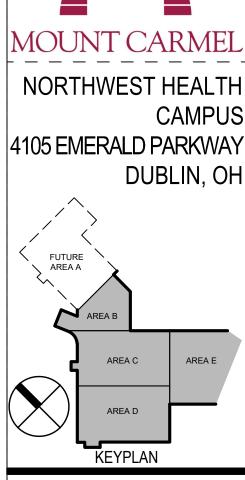
KORDA/NEMETH\_ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

VIKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



NOTRUCTION

NO DESCRIPTION DATE

HGA NO: 1927-004-0

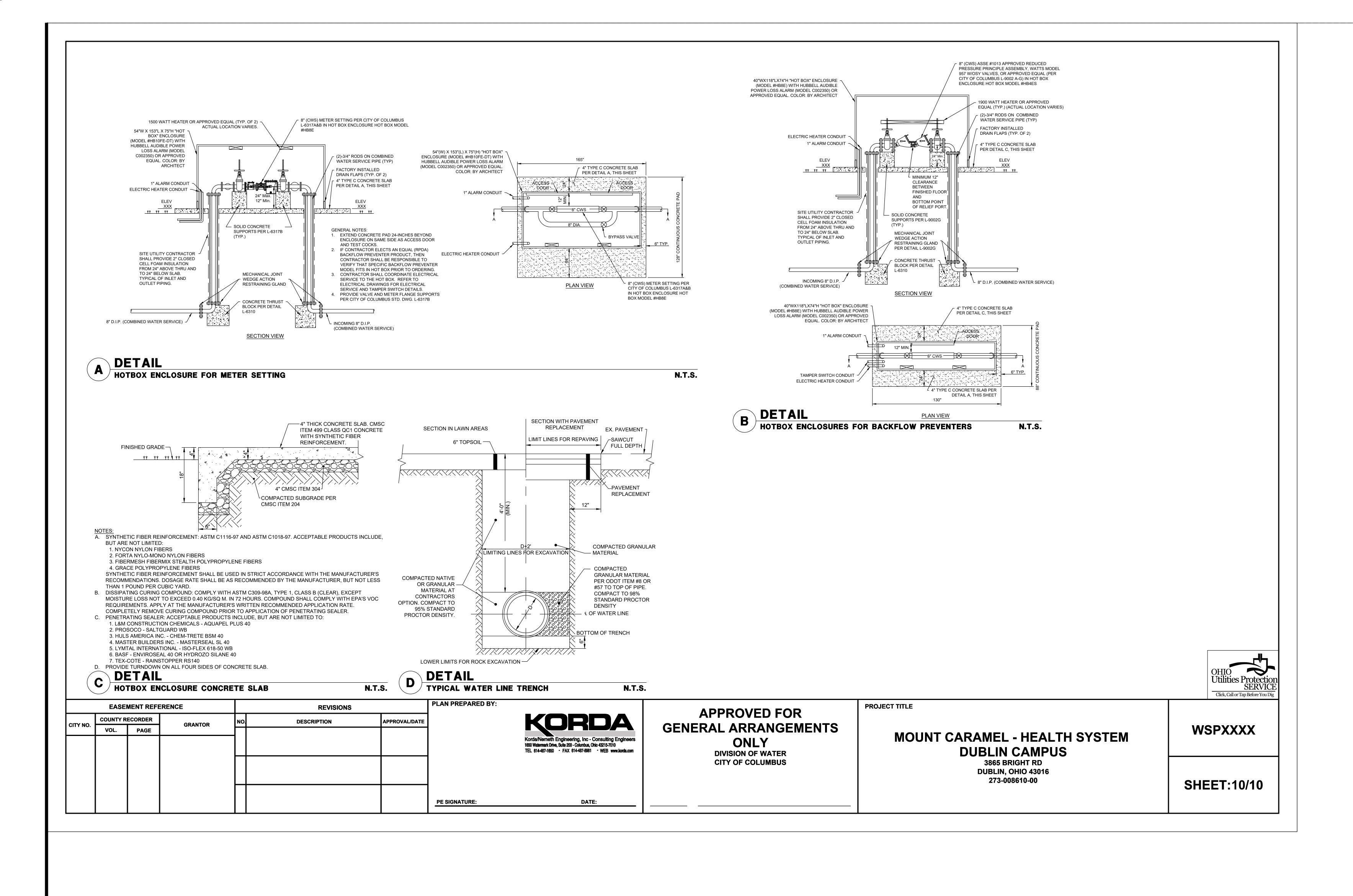
WATERLINE PLAN AND PROFILE

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C314



HGA

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Milwaukee, Wisconsin 53202 Telephone 414.278.8200

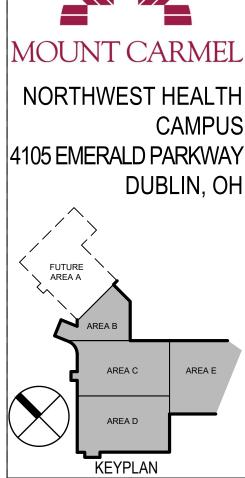
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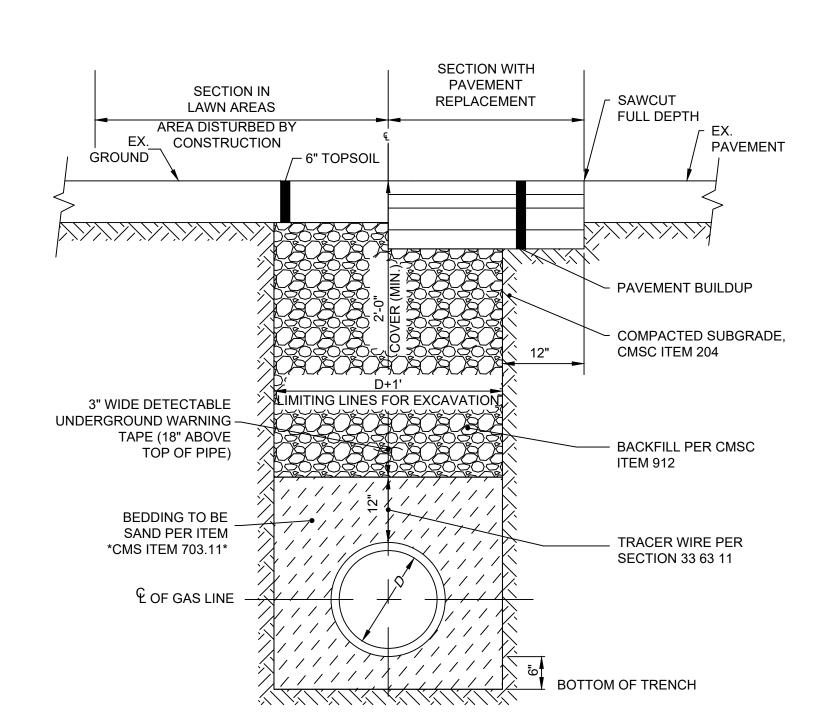
UTILITY DETAILS

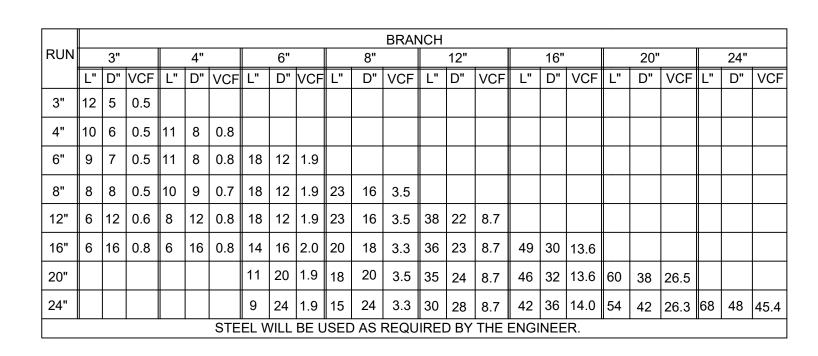
ISSUANCE HISTORY - THIS SHEET

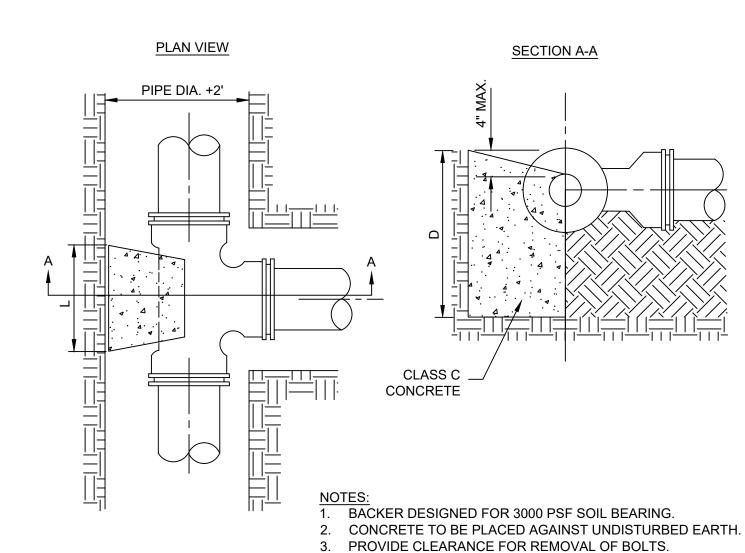
DATE: SEPTEMBER 6, 2022

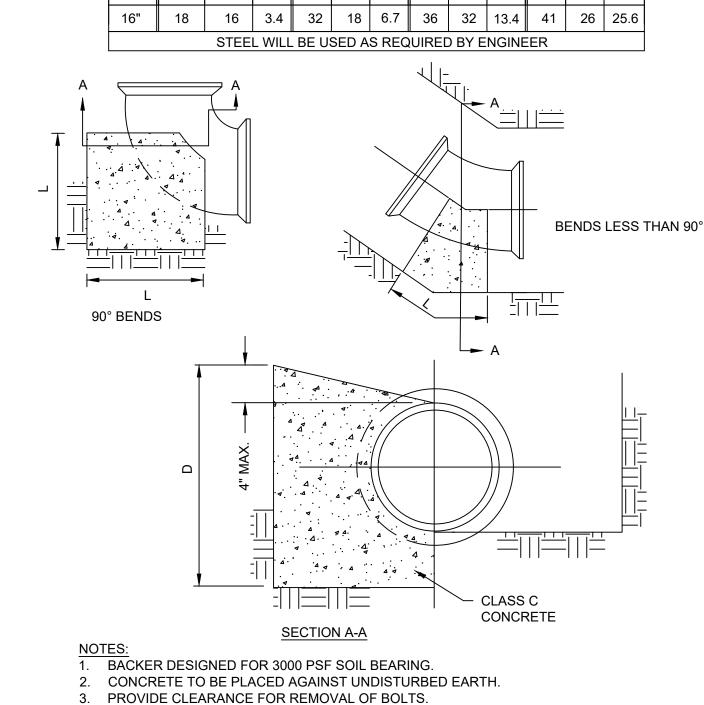
FINAL DEVELOPMENT

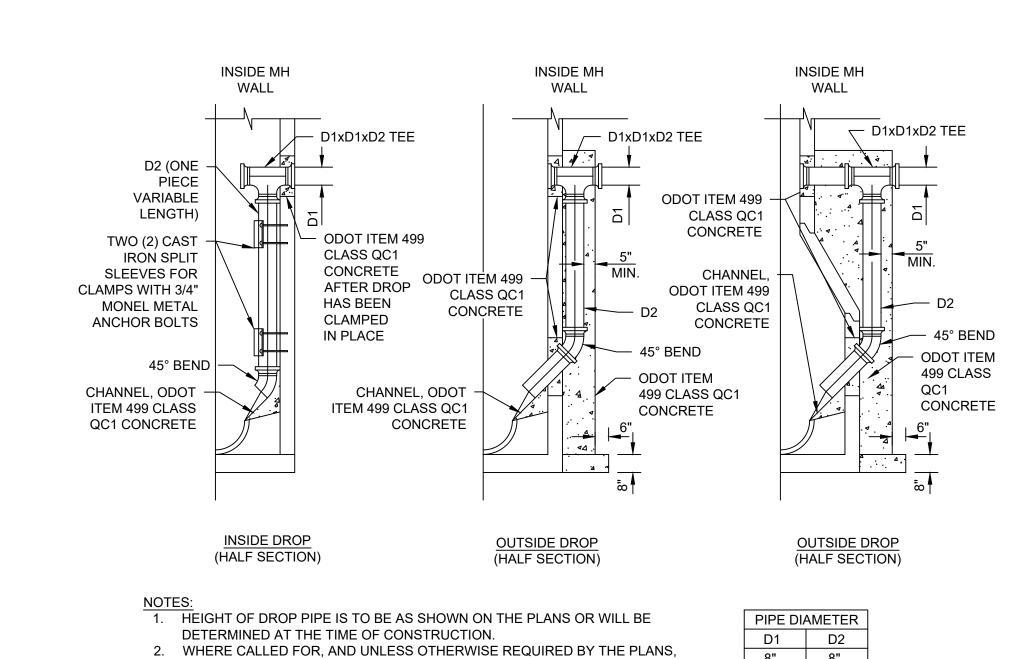
C315











THE OUTSIDE DROP WILL BE CONSTRUCTED WITH NEW MANHOLES.

**DETAIL** 

**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** 

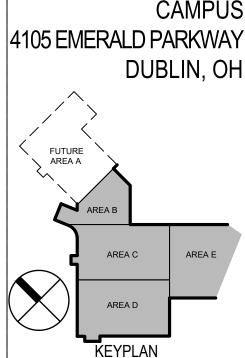
COLUMBUS, OH 43215

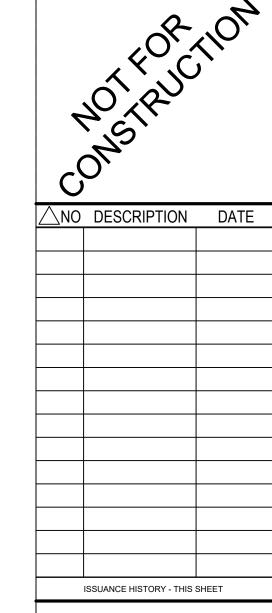
614.621.2796

COLMBUS, OH 43215

614.487.1650







UTILITY DETAILS

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C316

36 MANHOLE FRAME PER COLUMBUS STD. DWG. AA-S114 WITH COSTUME DUBLIN LOGO PER STD. DWG. ST-03, OR APPROVED EQUAL PROVIDE A 1", 2", & 3" GRADE RING ON ALL STRUCTURES TOP OF CASTING - CONTROL PANEL AND POWER WIRING IN 1" CONDUIT TO CONTROL PANEL PER ELECTRICAL SPECIFICATIONS. SEE NOTE 7. NORMAL POOL ELEV. 18" Outlet Pump On 

#### 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

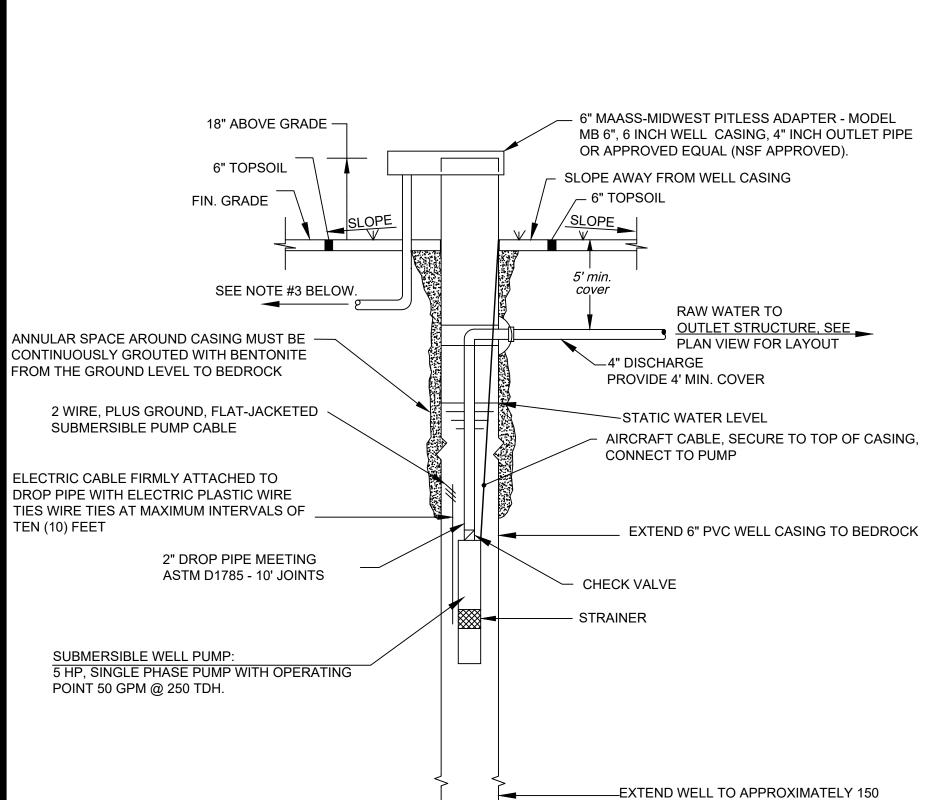
DETAIL

N.T.S.

RECHARGE WELL CONTROL STRUCTURE (RETENTION BASIN 1)

N.T.S.

N.T.S.



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.

FEET IN DEPTH.

BACKING FOR BENDS [HORIZONTAL & VERTICAL SAG] 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

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

EXCAVATION, CONSULT THE ENGINEER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH THE OWNER AND

- SERVICES HAVE BEEN PROVIDED. 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, (614) 645-0433
- 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
- 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.

CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF

- 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.
- 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,

GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE

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

LOCATIONS WHERE NEW PAVEMENT ABUTS EXISTING.

- 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.
- 23. 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 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 LATERALS INSTALLED AS PART OF MAINLINE CONSTRUCTION. TESTING SHALL CONFORM TO THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIALS SPECIFICATIONS CURRENT VERSION.
- 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.

#### **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.

	PRO	OPERTY OW	NERS	
	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

#### **ARCHITECT OWNER**

MOUNT CARMEL HEALTH 333 EAST ERIE STREET SYSTEM MILWAUKEE, WI 53202

**DUBLIN, OH 43016** CONTACT: MARA SABATINI CONTACT: MEG A. PEUGH P: 614 621 2796 P: 614 325 5245 EMAIL: 913 558 2618 EMAIL: MPEUGH@MCHS.COM

#### **ENGINEER**

KORDA/NEMETH ENGINEERING 1650 WATERMARK DRIVE COLUMBUS, OH 43215 CONTACT: GRAHAM WATKINS P: 567 674 2783

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

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

<b>EXISTING</b>		PROPOSED	
800	INDEX CONTOUR ——	Stm	- STORM SEWER
799	INTERMEDIATE CONTOUR ———		- CATCH BASIN
Stm	STORM SEWER ——	<b>—</b>	− MANHOLE
	CATCH BASIN	o co	− CLEAN OUT
$\overline{}$	MANHOLE	o DS	- 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
	PROPERTY LINE UTILITY LOCATED PER CONSTRUCTION PLANS		PAVEMENT REPLACEMENT, PER STANDARD DRAWING, 1441 DR. A

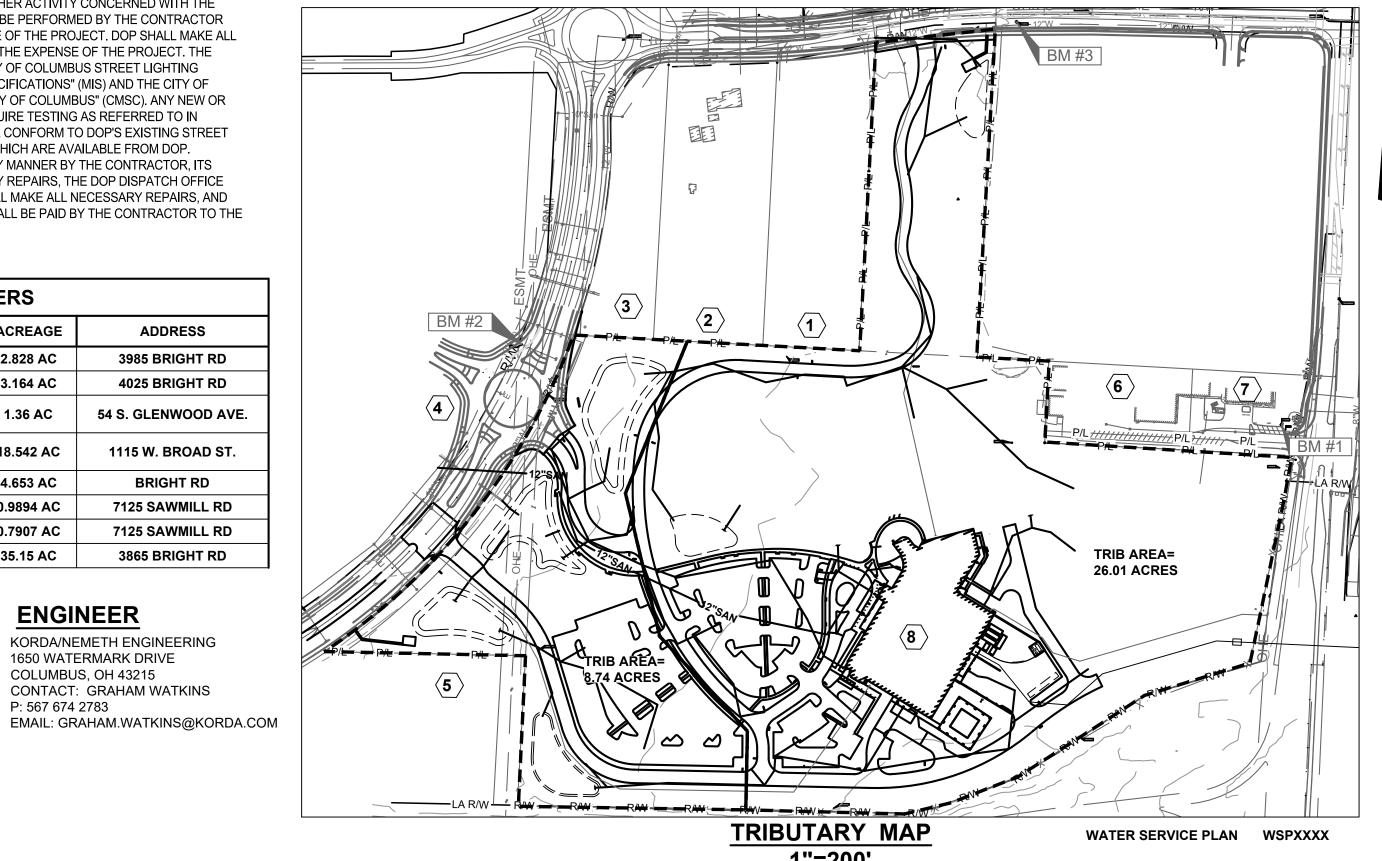
**DECIDUOUS TREE** 

SPOT ELEVATION

SURVEY CONTROL POINT

STRUCTURE NUMBER

STANDARD CONSTRUCTION DRAWINGS					
CITY OF DUBLIN	CITY OF COLUMBUS				
SA-01	AA-S102	AA-S106	AA-S117		
SA-02	AA-S104	AA-S110	AA-S119		
SA-04	AA-S111	AA-S1441			
THE STANDARD DRAWINGS LISTED ON THIS PLAN SHALL BE CONSIDERED A					



PART THEROF.

# LOCATION MAP

		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

		ESTIMA	TE OF QUANTITIES
ITEM	QUANTITY	UNIT	DESCRIPTION
			SANITARY SEWER
604	7	EA	TYPE "C" MANHOLE, CLASS C (SA-01)
901	946	LF	12" SANITARY SEWER WITH TYPE 1 BEDDING
915	1	EA	12"X8" WYE FITTING
918	69	LF	8" SANITARY SERVICE
918	55	LF	4" SANITARY SERVICE

#### **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.

1. ELEVATIONS ARE BASED ON NAVD1988.

		CONTRO	L POINT	S
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.



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_	DIRECTOR OF ENGINE	ERING/CITY ENGINEER (CITY OF DUBLIN)	DATE

PROJECT TITLE					
PRIVATE SANITARY PLAN FOR					
<b>MOUNT CARMEL HEALTH SYSTEM - D</b>	UBLIN HOSPITAL				
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	MOUNT CARMEL HEALTH SYSTEM - DUBLIN HOSPITAL  DUBLIN HOSPITAL							
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CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES **DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY** 

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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

ITEM NUMBERS UNLESS OTHERWISE NOTED.

PRIOR TO BEGINNING CONSTRUCTION.

DRAWINGS

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.

ENGINEER. ITEM NUMBERS LISTED REFER TO CITY OF COLUMBUS

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

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

REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS

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.

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 FTC.) 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.

**GRANTOR** 

SEND THE INFORMATION TO THE FOLLOWING ADDRESS:

CONSTRUCTION INSPECTION DIVISION CITY OF COLUMBUS 1800 EAST 17TH AVENUE COLUMBUS, OHIO 43219

**COUNTY RECORDER** 

VOL.

EASEMENT REFERENCE

PAGE

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,

CITY OF DUBLIN. 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

TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ANCHOR BASE INSTALLATION AND

BY THE DIVISION OF PARKS AND RECREATION, CITY OF DUBLIN,

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

**UTILITIES:** 35. THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED

BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

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

AT&T (CABLE) **DIVISION OF ENGINEERING** 111 N 4TH STEET 6555 SHIFR RINGS RD 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

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

COLUMBUS, OH 43228

CONTACT: JOE TEPPER

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

WIDE OPEN WEST 3675 CORPORATE DRIVE COLUMBUS, OHIO 43231 TEL: 614-749-2225 CONTACT: STEVEN CALLAHAN CITY OF COLUMBUS DIVISION OF WATER 910 DUBLIN ROAD

**DUBLIN DEVELOPMENTS** 1810 ARLINGTON LANE COLUMBUS, OHIO 43228 2ND FLOOR TFI: 614-274-8100 COLUMBUS, OHIO 43215 CONTACT: DEAN PENCE TEL: 614-645-7677

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 CONSTRUCTION.

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 DIRECTED BY THE CITY ENGINEER.

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.

CURRENT EDITION.

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.

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

**SANITARY SEWERS:** 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.

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 BACKFILL 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

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 FOLLOWING TYPES:

PRICE FOR THE VARIOUS SEWER ITEMS.

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:

CONSIDERED THE PERMITTEE.

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

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

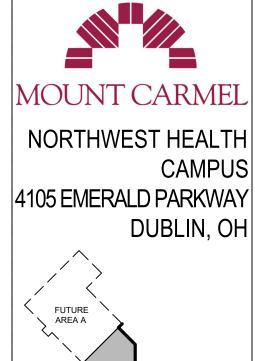
CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL **TECHNOLOGY ENGINEER** 

Telephone 414.278.8200

1650 WATERMARK DRIVE

**462 SOUTH LUDLOW ALLEY** 

**MOUNT CARMEL** 



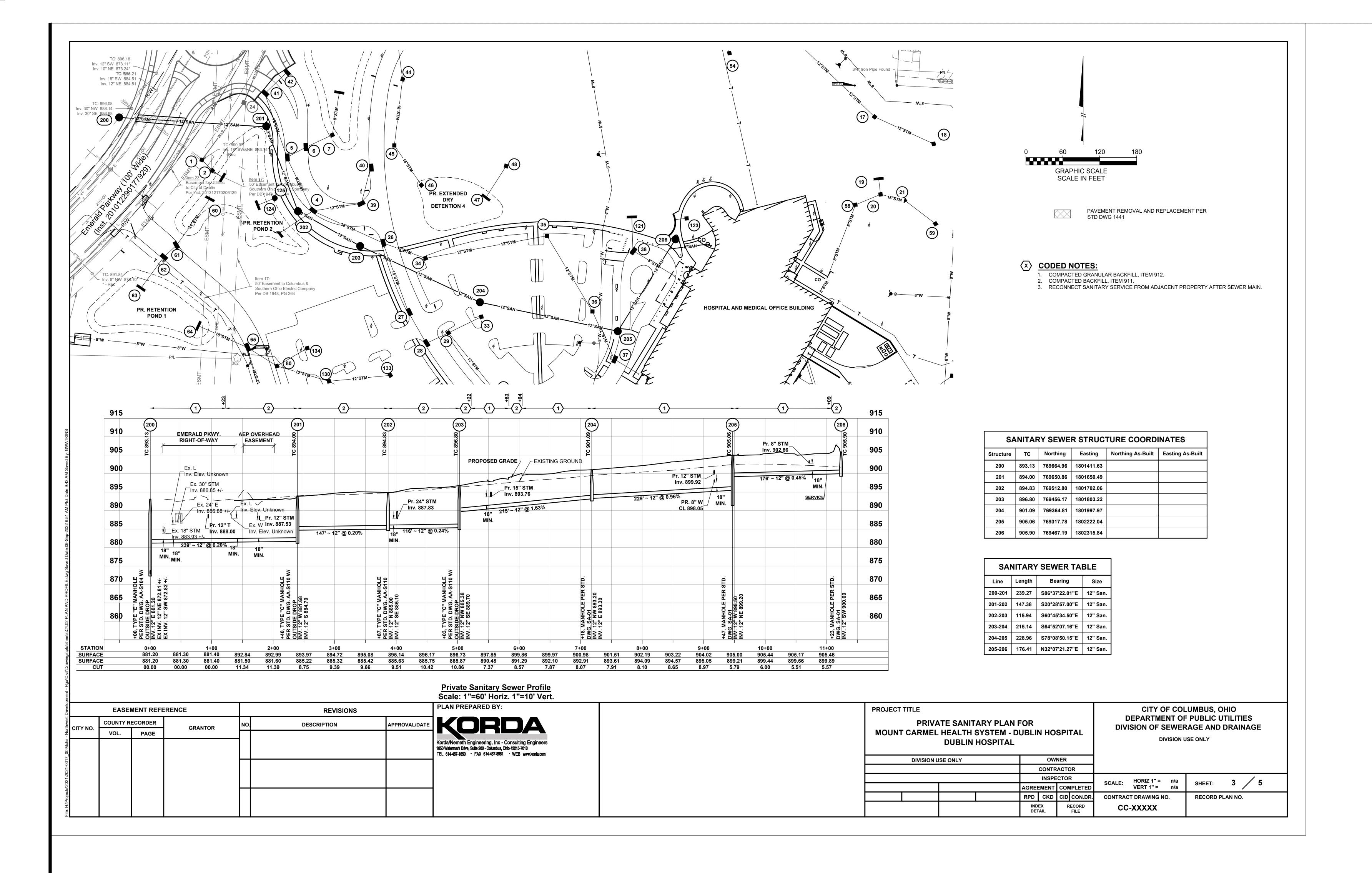
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CITY OF DUBLIN GENERAL NOTES

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C401



333 East Erie Street

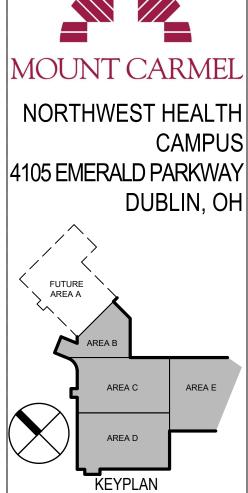
Milwaukee, Wisconsin 53202 Telephone 414.278.8200

KORDA CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/ **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



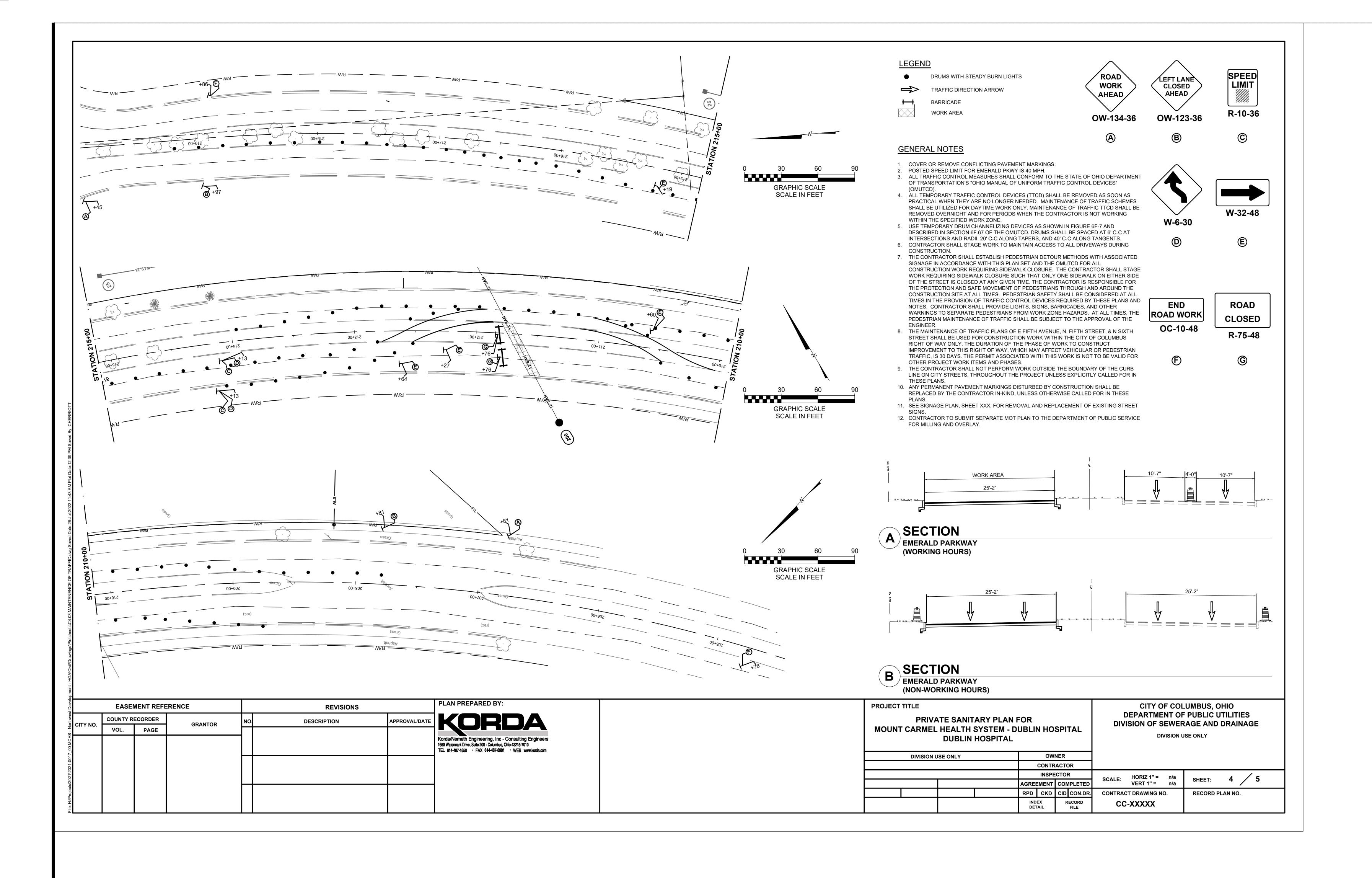
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PLAN & PROFILE

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

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Milwaukee, Wisconsin 53202

Telephone 414.278.8200

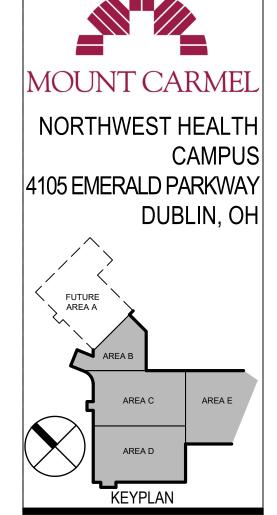
KORDA/NEMETH ENGINEERING
CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

# VISK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



NO DESCRIPTION DATE

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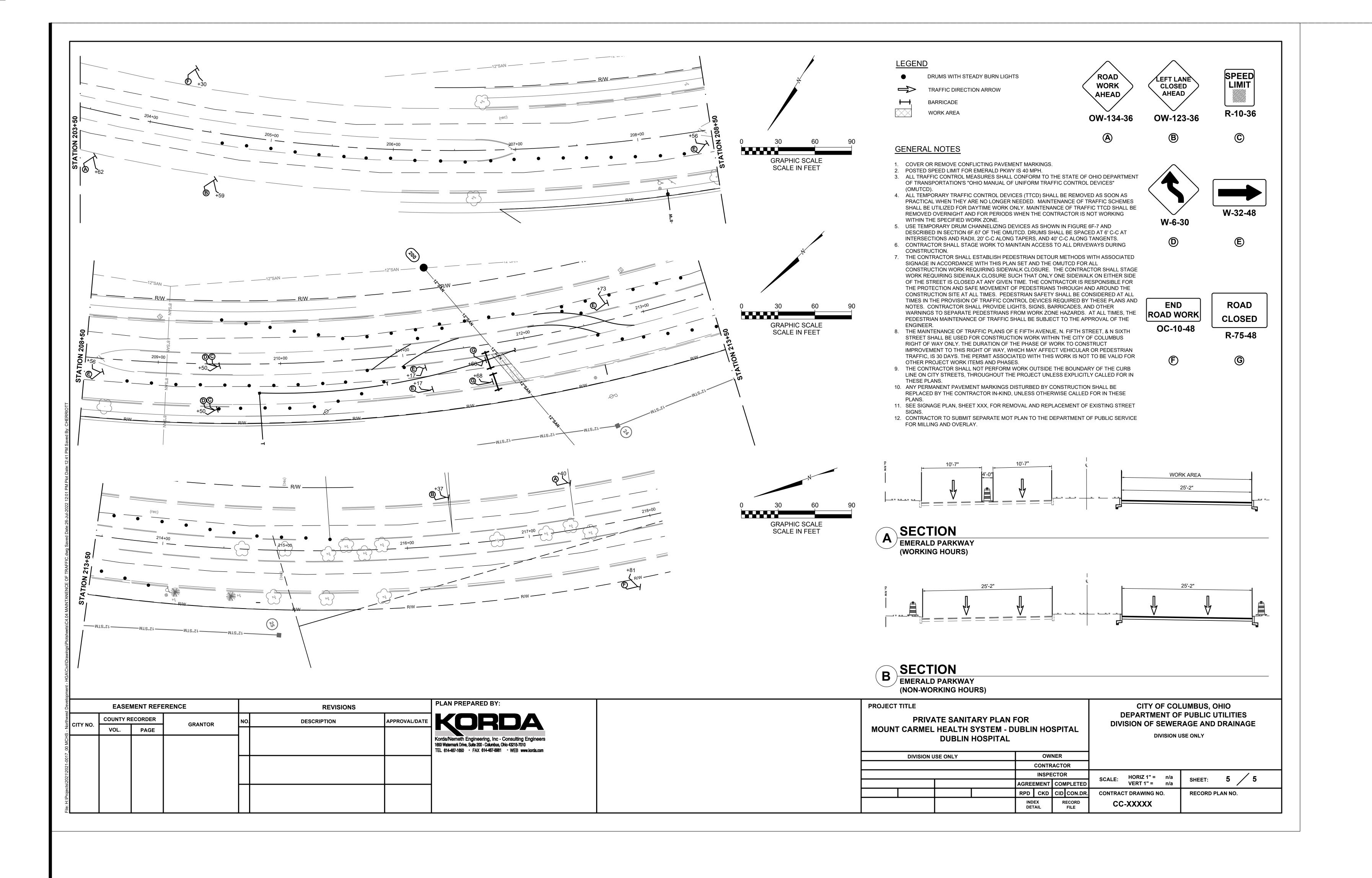
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DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C403



333 East Erie Street Milwaukee, Wisconsin 53202

Telephone 414.278.8200

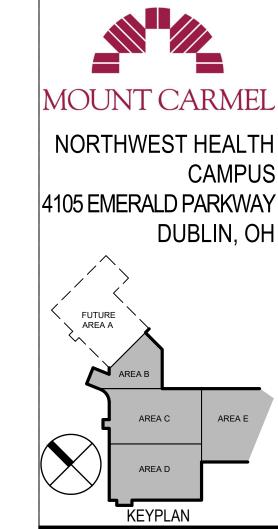
KORDA/NEMETH ENGINEERIN CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL/

> 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

TECHNOLOGY ENGINEER

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

**MOUNT CARMEL HEALTH SYSTEM** 



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DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

C404

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## **EMERALD PARKWAY IMPROVEMENTS**

FOR MOUNT CARMEL NORTHWEST HEALTH



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.

DIRECTOR OF ENGINEERING/CITY ENGINEER CITY OF DUBLIN, OHIO PAUL A. HAMMERSMITH, P.E.

REGISTERED ENGINEER

APPROVED:

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

333 East Erie Street Milwaukee, Wisconsin 53202

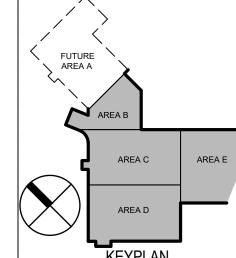
Telephone 414.278.8200

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

**MOUNT CARMEL** HEALTH **SYSTEM** 



CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



**EMERALD PARKWAY IMPROVMENTS** TITLE SHEET

DATE: SEPTEMBER 6, 2022

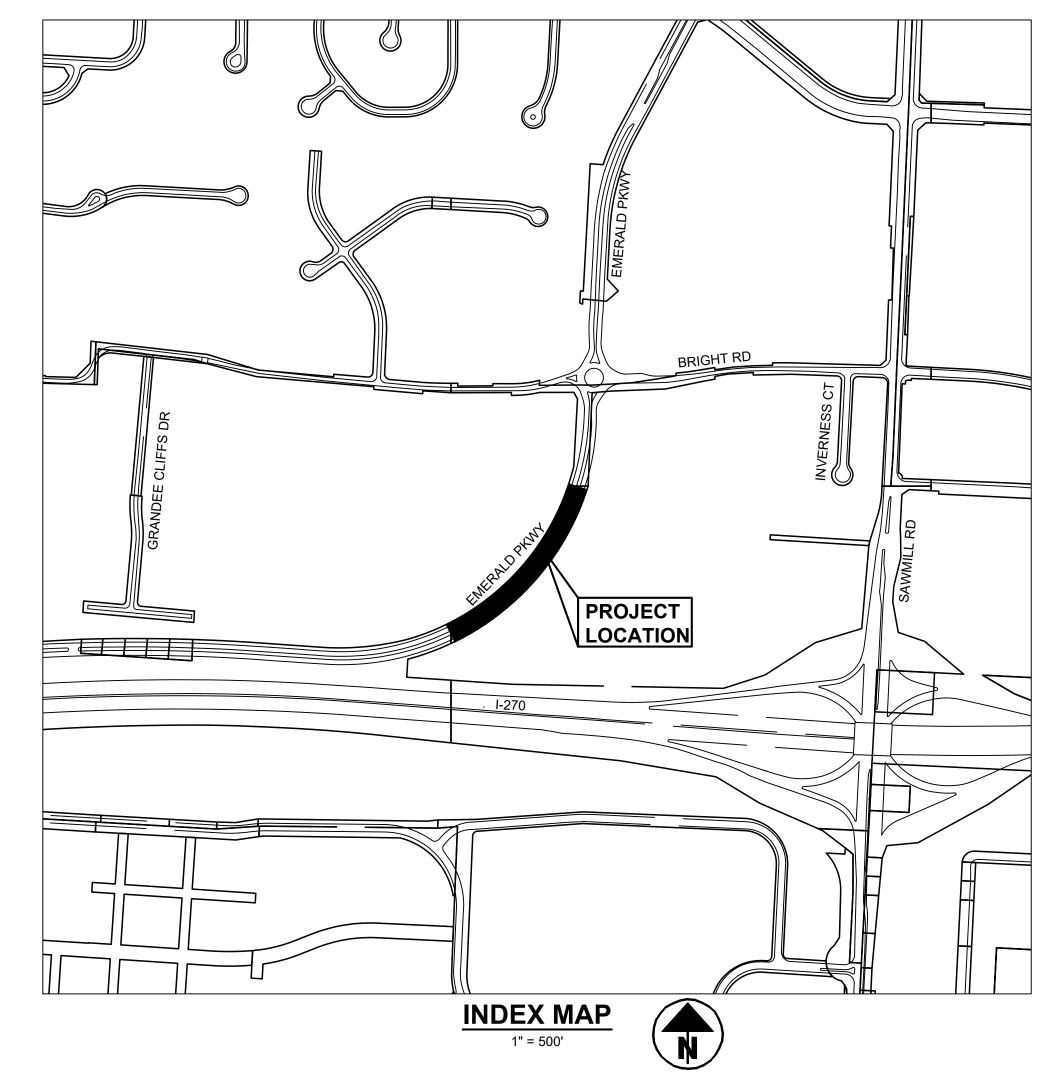
FINAL DEVELOPMENT
PLAN

C500

**CAMPUS IMPROVEMENTS** 

	BENCHMARKS					
lo.	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.				

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		



PORTIONS TO BE IMPROVED:

STANDARD CONSTRUCTION DRAWINGS					
С	ITY OF DUBL	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		

DATE

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△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

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.

CITY OF DUBLIN

**DUBLIN, OH 43016** 

TEL: 614-410-4740

1600 WALCUTT RD

TEL: 614-921-4616

CELL: 614-323-8079

CITY OF COLUMBUS

COLUMBUS, OH 43228

CONTACT: JOE TEPPER

TEAM FISHEL

DIVISION OF ENGINEERING

6555 SHIER RINGS RD

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

SPECTRUM

## 700 MORRISON ROAD

3RD FLOOR GAHANNA, OHIO 43230 TEL: 614-883-6831 CELL:614-949-8883 CONTACT: PAUL PAXTON

AT&T (CABLE)

SUITE 802

111 N 4TH STEET

TEL: 614-223-7162

WIDE OPEN WEST

TEL: 614-749-2225

COLUMBUS, OHIO 43215

3675 CORPORATE DRIVE

COLUMBUS, OHIO 43231

CONTACT: ROGER MIKESELL

CONTACT: STEVEN CALLAHAN

COLUMBUS, OHIO 43204 TEL: 614-481-5262 CELL: 614-975-7468 CONTACT: DAVID HOLSTEIN

3760 INTERCHANGE ROAD

COLUMBIA GAS 3550 JOHNNY APPLESEED CT COLUMBUS, OHIO 43231 TEL: 614-818-2113 CELL: 614-315-3770

CONTACT: MATT MYERS AT&T (CONDUIT) 111 N. 4TH STREET SUITE 802

DIVISION OF WATER 910 DUBLIN ROAD COLUMBUS, OHIO 43215 2ND FLOOR COLUMBUS, OHIO 43215 614-223-7276 CONTACT: GARY VAN ALMSICK TEL: 614-645-7677

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

CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER.

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

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.

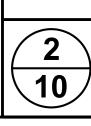
HE CONTRACTOR IS PERMITTED TO WORK BETWEEN 7:00 AM AND 7:00 PM, MONDAY THROUGH SATURDAY. ANY WORK WHICH

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

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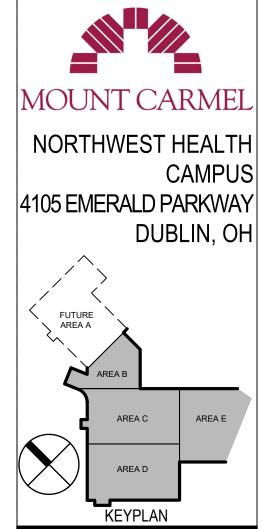
CIVIL/MECHANICAL/ELECTRICAL PLUMBING/STRUCTURAL **TECHNOLOGY ENGINEER** 

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

ISSUANCE HISTORY - THIS SHEET

**GENERAL NOTES** 

DATE: SEPTEMBER 6, 2022

C501

FINAL DEVELOPMENT

SHEET NUMBER	ITEM	GRAND	UNIT	ITEM DESCRIPTION	
5	7	1	TOTAL		
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

CHECKED

GJW

GJW

FROM A POINT 390' NORTH OF I-270 RD
TO A POINT 904' SOUTH OF BRIGHT RD

3 10

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VKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



DUBLIN, OH

FUTURE
AREA A

AREA C

AREA E

KEYPLAN

KEYPLAN

KEYPLAN

NO DESCRIPTION DATE

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HGA NO: 1927-004-00

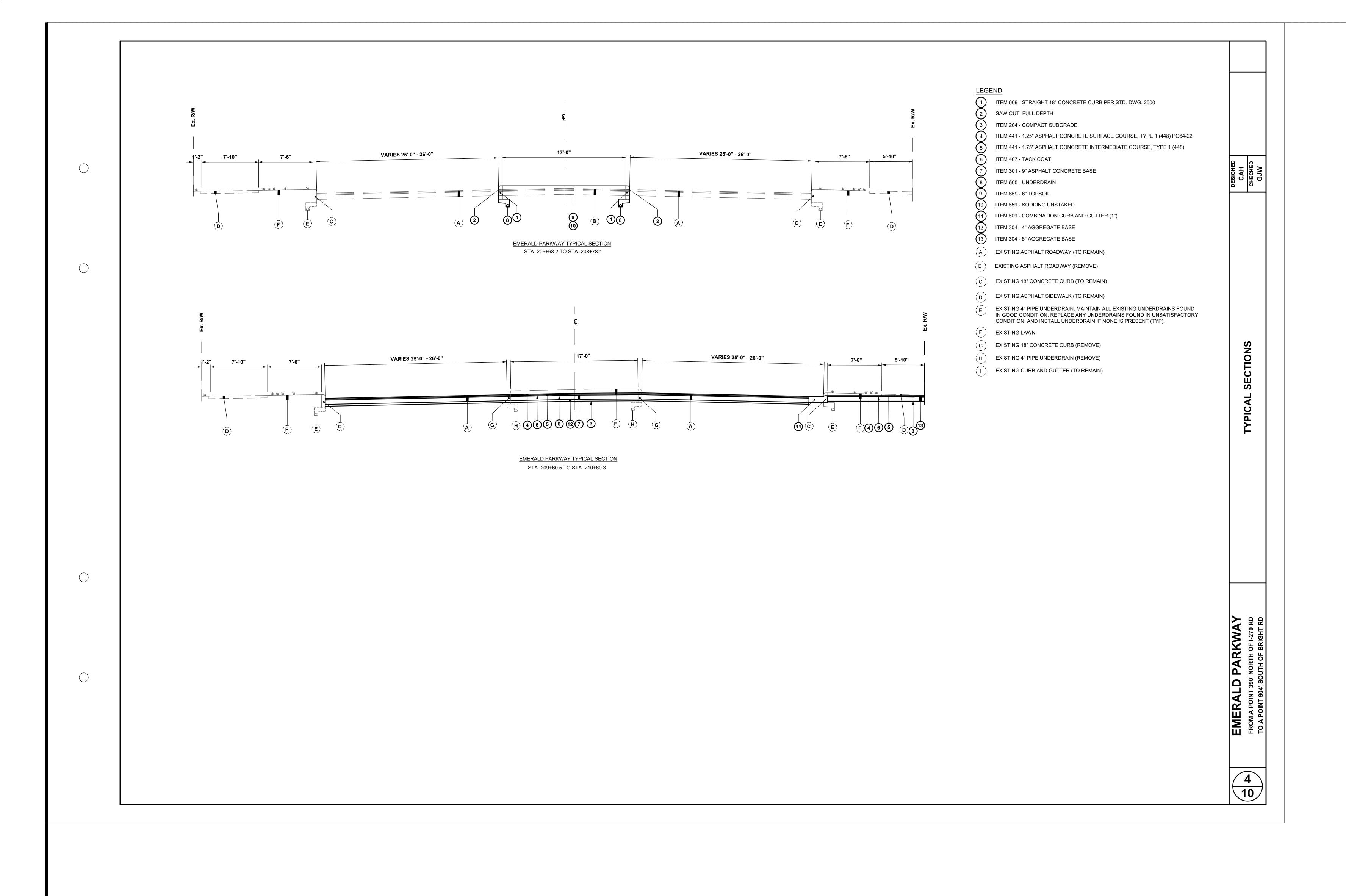
GENERAL SUMMARY

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN

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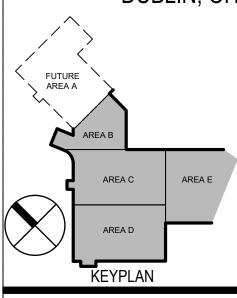
LANDSCAPE ARCHITECT

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



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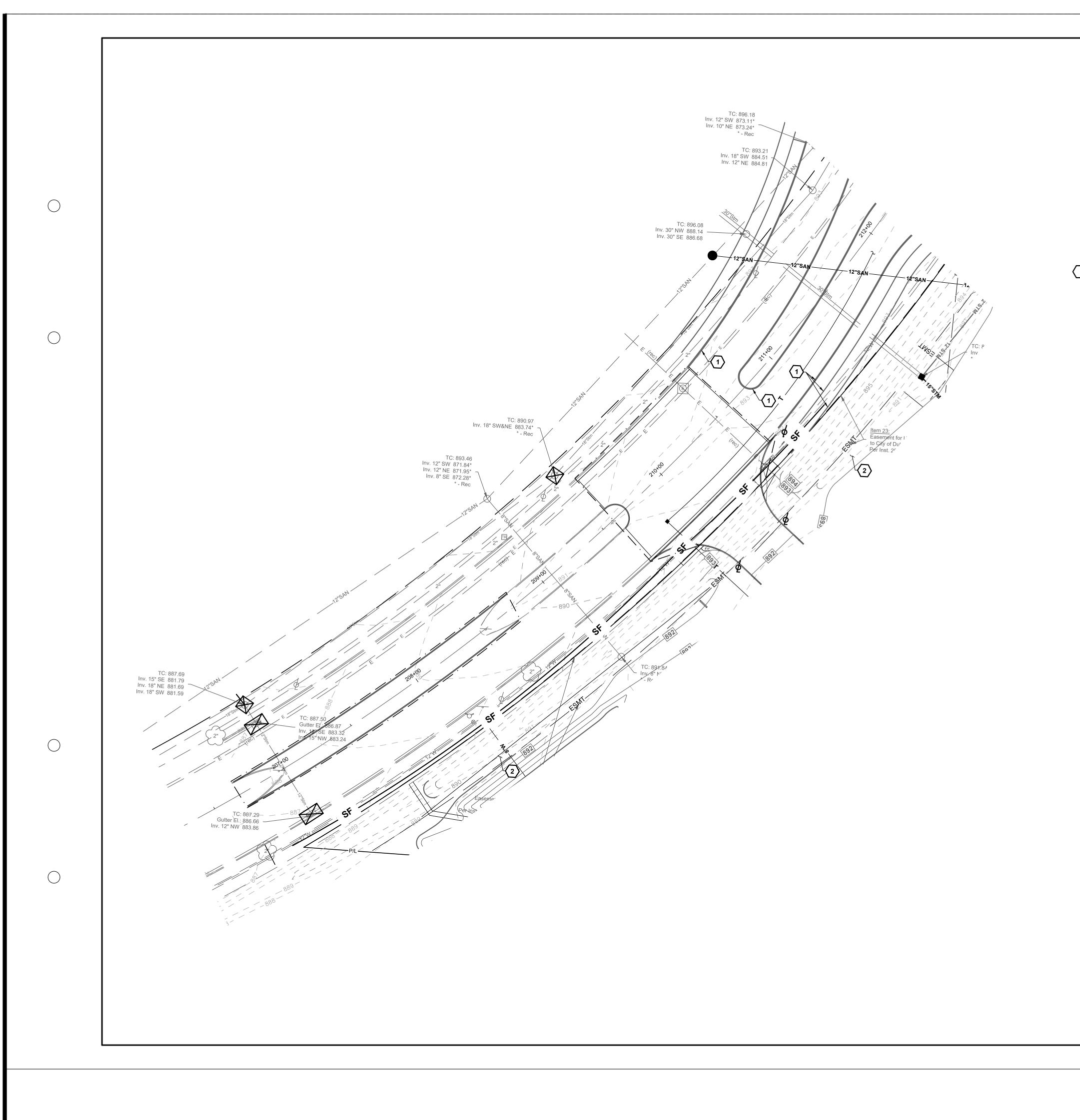
HGA NO: 1927-004-0

TYPICAL SECTIONS

DATE: SEPTEMBER 6, 2022

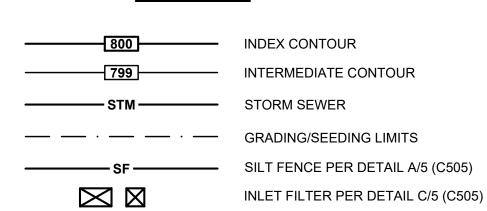
FINAL DEVELOPMENT
PLAN

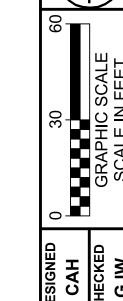
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#### **EROSION AND SEDIMENT CONTROL LEGEND**

#### **PROPOSED**



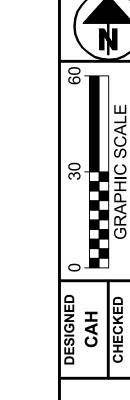


## CODED NOTES

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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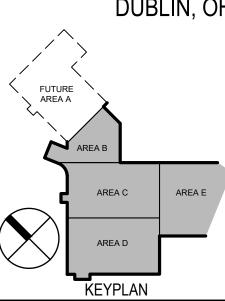
1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

TECHNOLOGY ENGINEER

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

**MOUNT CARMEL HEALTH SYSTEM** 



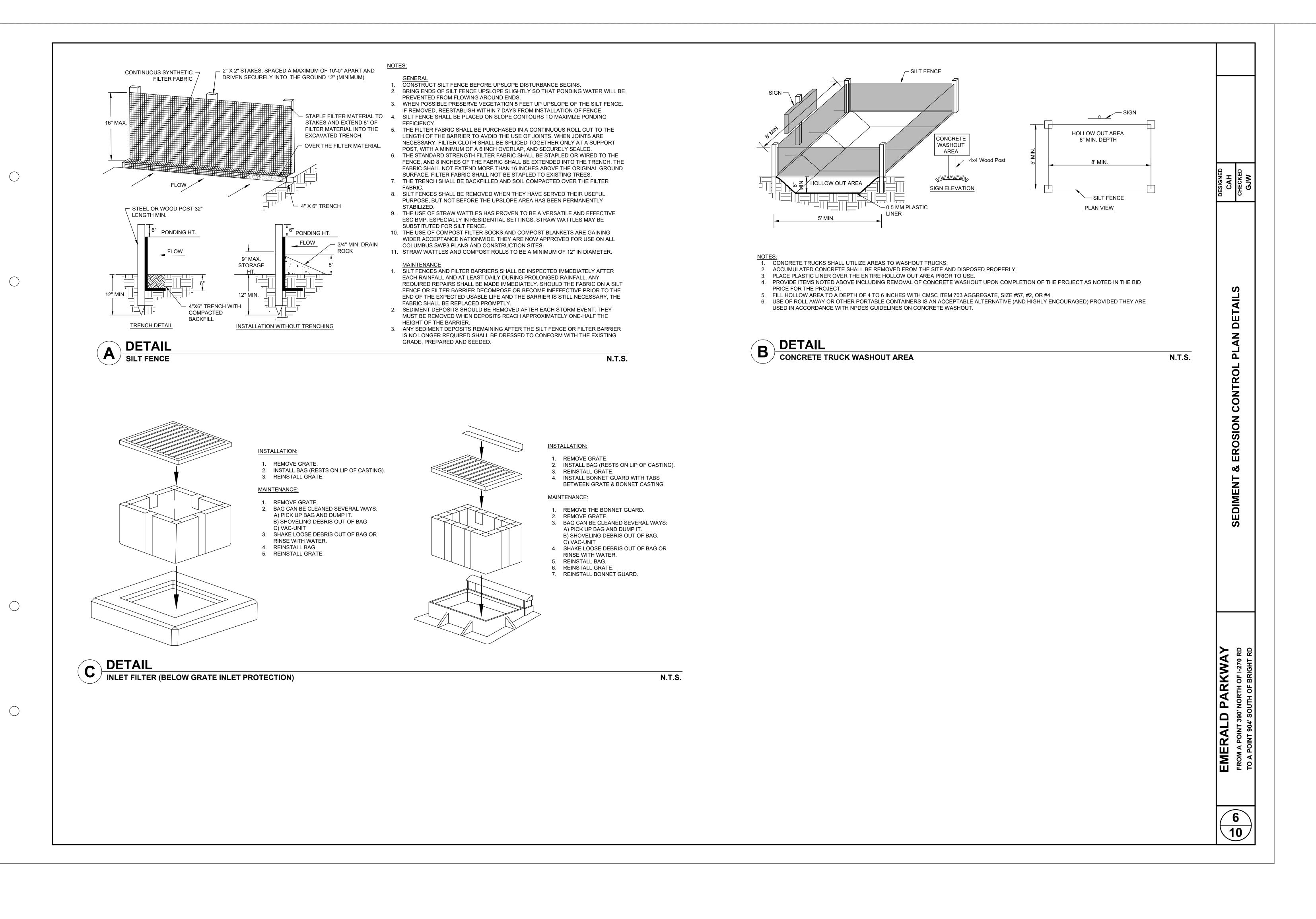


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SEDIMENT & **EROSION CONTROL PLAN** 

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

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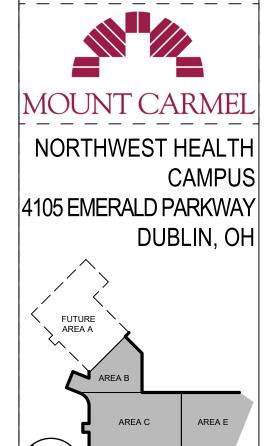
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TECHNOLOGY ENGINEER

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# MKSK

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MOUNT CARMEL
HEALTH
SYSTEM



NO DESCRIPTION DATE

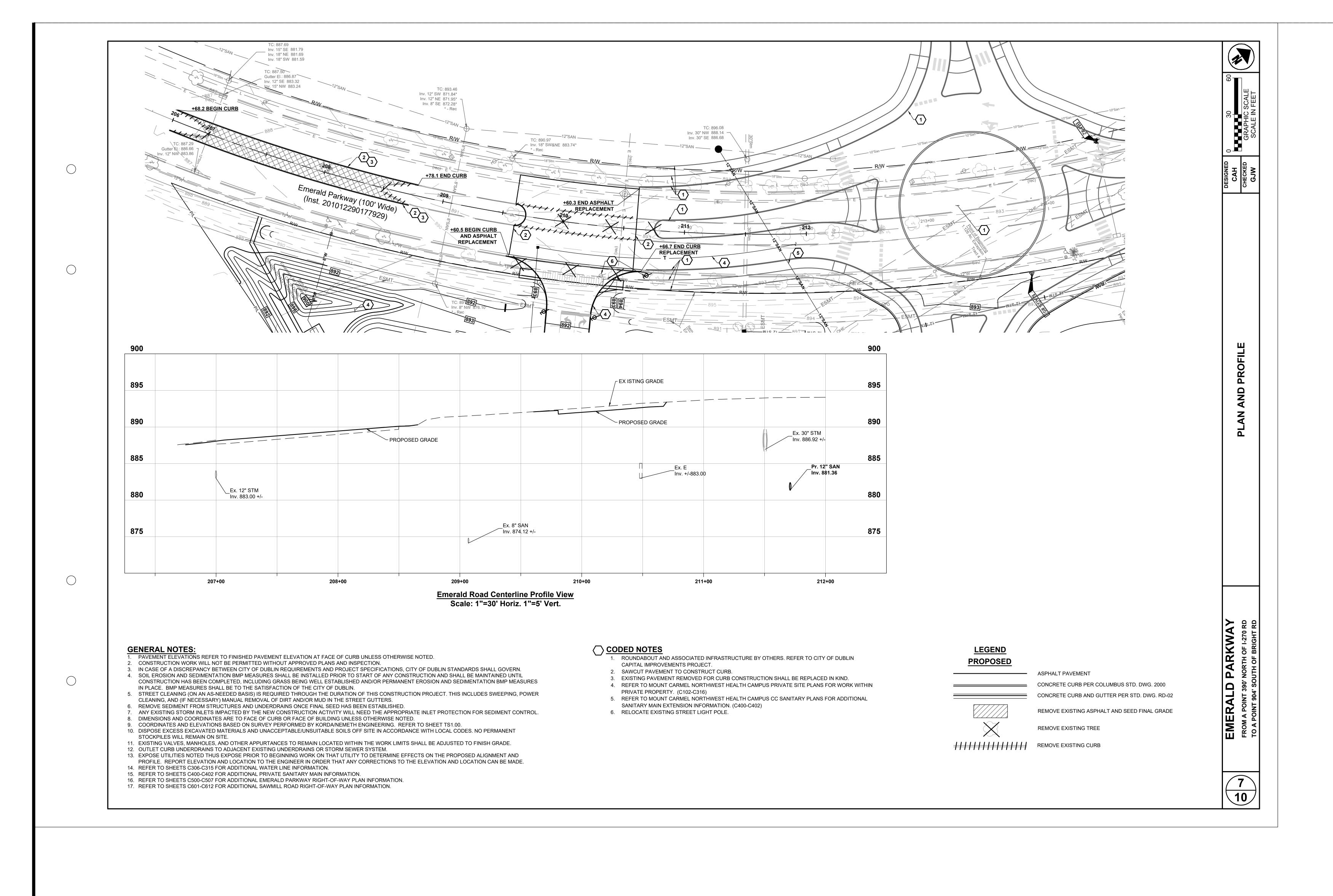
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EROSION CONTROL PLAN DETAILS

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

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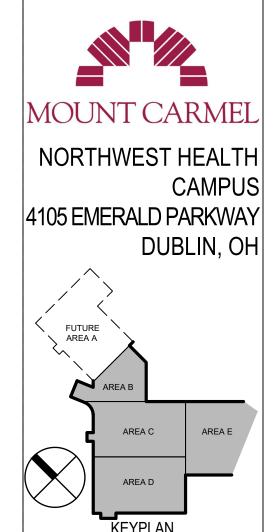
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**TECHNOLOGY ENGINEER** 

VKSK LANDSCADE ADCHITECT

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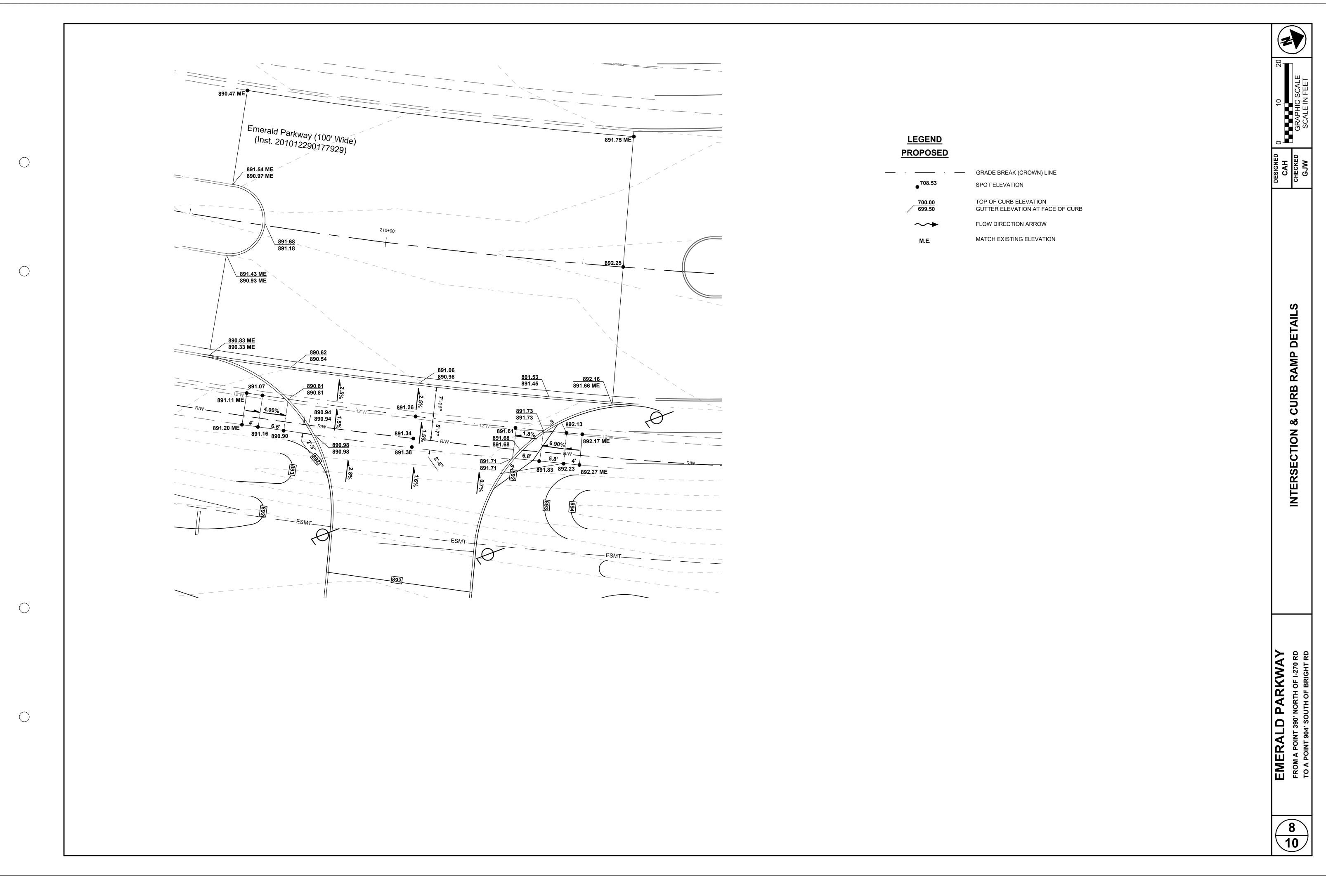
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PLAN AND PROFILE

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

C506



GRAPHIC SCALE

SCALE IN FEET

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VIKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
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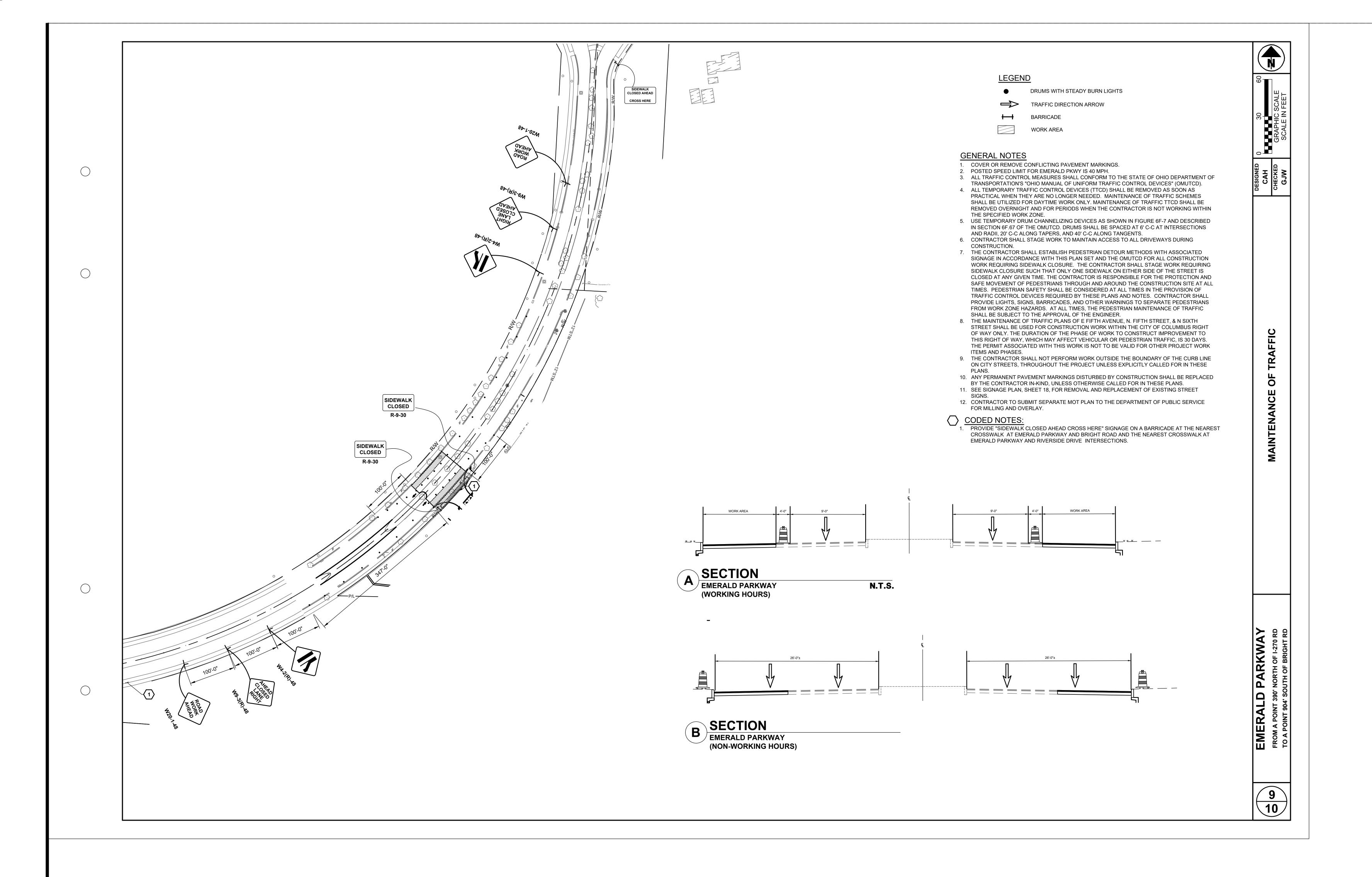
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INTERSECTION AND CURB RAMP DETAILS

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN

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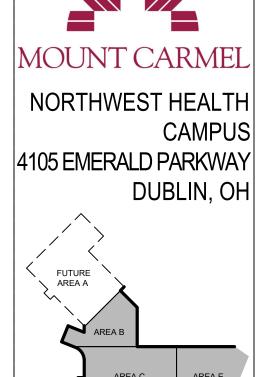
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ANDSCAPE ARCHITECT

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MOUNT CARMEL
HEALTH
SYSTEM



KEYPLAN

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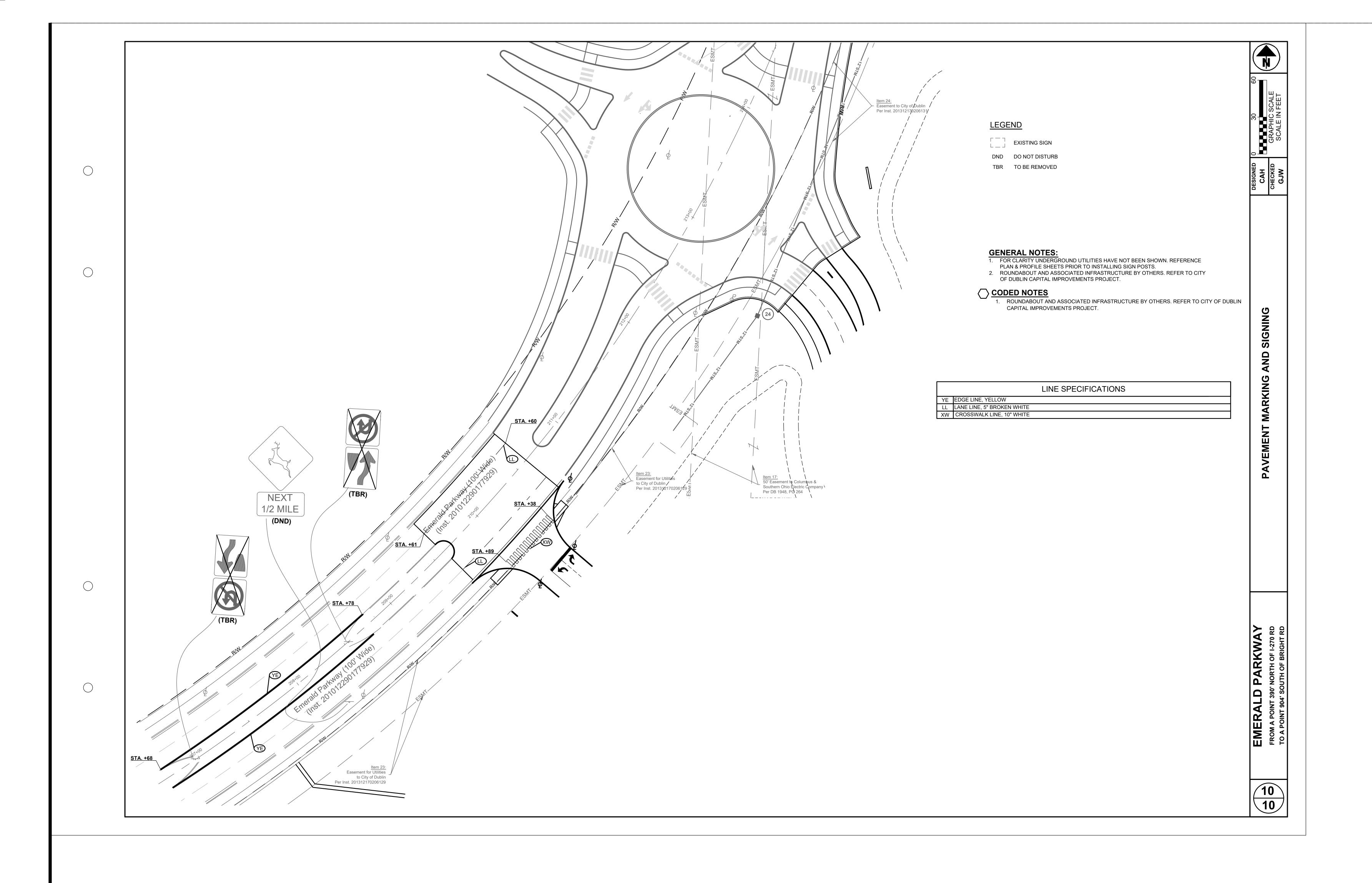
MAINTENANCE OF TRAFFIC

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

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## VKSK LANDSCAPE ARCHITECT

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MOUNT CARMEL
HEALTH
SYSTEM

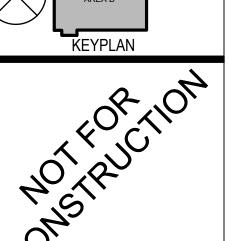


4105 EMERALD PARKWAY
DUBLIN, OH

FUTURE
AREA A

AREA C

AREA E



NO DESCRIPTION DATE

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HGA NO: 1927-004-00

PAVEMENT MARKING AND SIGNING

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
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CIVIL/MECHANICAL/ELECTRICAL
PLUMBING/STRUCTURAL

KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

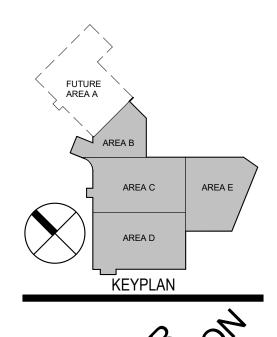
**TECHNOLOGY ENGINEER** 

MKSK

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH





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$\triangle$ NO	DESCRIPTION	DATE
	ISSUANCE HISTORY - THIS	SHEET
	ISSUANCE HISTORY - THIS	O OI IÉE I
HGA	NO: 1927-004-	-00

OVERALL SITE
LIGHTING
CALCULATION
PLAN

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT



333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414,278.8200

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

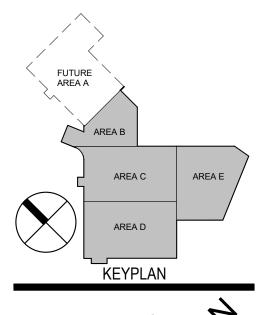
KORDA 1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

MKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM





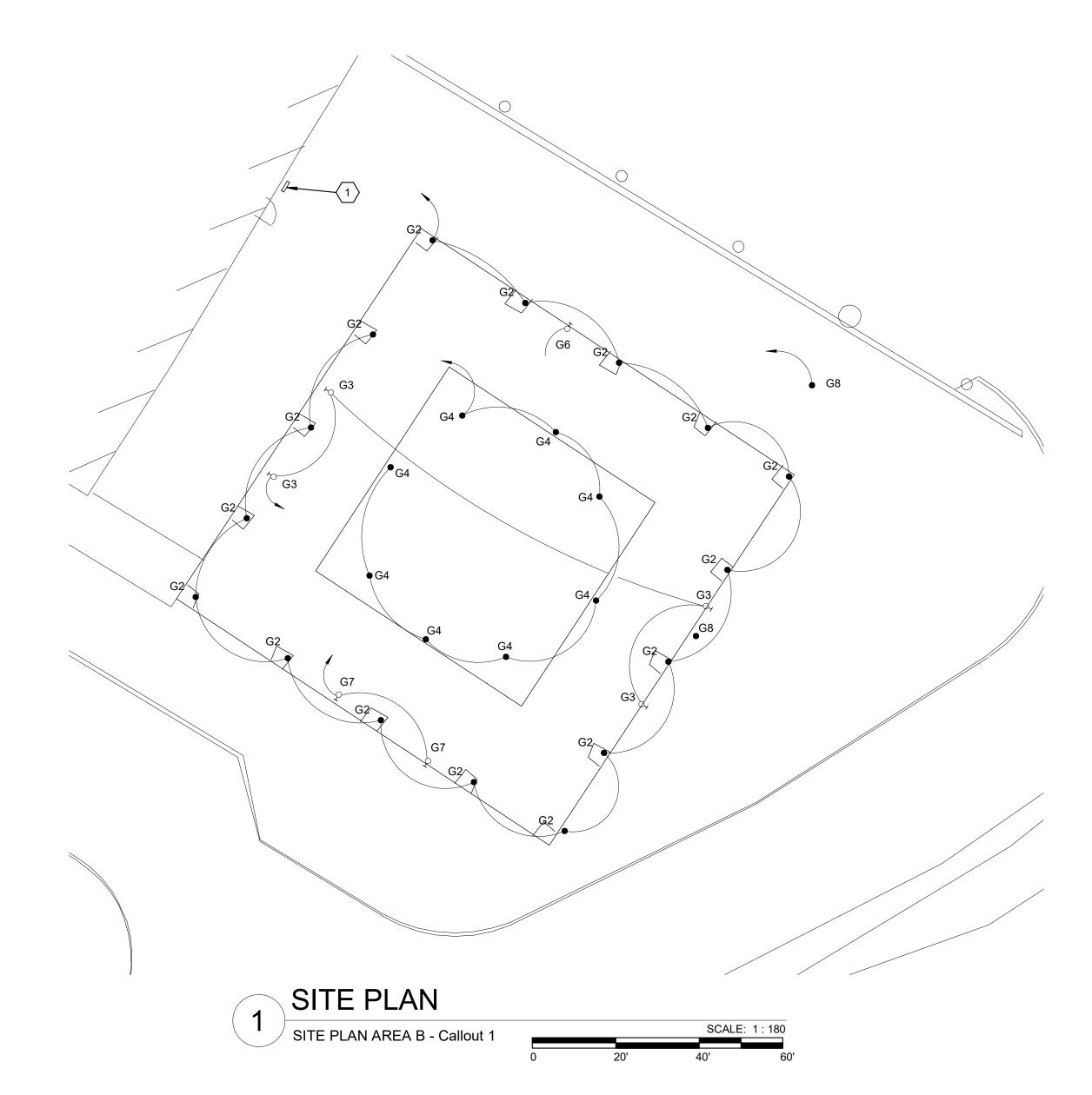
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$\overline{\triangle}$	NO	DESCRIPTION	DATE

HGA NO: 1927-004-00

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN



									LUN	<b>JINAIRE</b>	SCHE	DULE					
					B: BOLLARD C: CEILING	CV: CC	OVE G:	GROUND	H: HANDRAIL	P: POLE F	R: RECESSED	S: SUSPENDED	T: TABLE UC: UNDI	ERCABINET W: WALL	X: UNIVER	SAL	
ARTIAL MOD	DEL NUMBERS MAY BE SH	HOWN AND ARE INTEND	ED TO INDICATE ACCEPTABLE MANUFA	CTURER'S PRODUCT LINE. EXA	CT MODEL NUMBERS MEETING THE FIXT	URE DESCRII	PTION SHALL E	BE OBTAINED FR	ROM THE MANUFA	ACTURER'S AGENTS. A	ALL FIXTURES MAY	NOT 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 CIRCUITE	ED 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 MANUFACTURER
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 & TYPE 4	LED	480V	266 W	3500K	18186 LM	SEE OPTIONS	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 3 DISTRIBUTION	TBD	DOUBLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.	
P2	GARDCO	PUREFORM	P26	(15.2" X 32.4" X 5.5")	SINGLE HEAD AREA LIGHT - TYPE 2	LED	480V	133 W	3500K	18806 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.	
P3	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	DIE-CAST ALUMINUM	POLE MOUNTED	TYPE 3 DISTRIBUTION	TBD	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.	
P4A	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	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.	
P7	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.	
P7A	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.	
P8	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	POLE MOUNTED	TYPE T2S DISTRIBUTION	TBD	SINGLE HEAD. PROVIDE INTEGRAL MOTION SENSOR WITH BI-LEVEL DIMMING CONTROLS. BANNER ARMS.	
P9	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.	
P10	POLE LED				POLE MOUNTED FLAG LIGHT	LED	277V	15 W	3500K			7.20					
P11	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.	
1-P4 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.	
-P8 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.	
G1	HADCO	FLEXSCACPE	B9-DWXXSP1	6" X 10"	TREE UPLIGHT	LED	277V	19 W	3000K	2000 LM	FIXED OUTPUT	DIE-CAST ALUMINUM	GROUND MOUNT		DARK BRONZI	MOUNT TO AN ARLINGTON GPD19B DARK BRONZE PEDESTAL WITH WP-GFI OUTLET	HADCO
G2	POINT LIGHTING		PRL-97004-1C-G-PLS-NC-VB	(8" Ф X 5" DP)	FATO PERIMETER LIGHT	LED	120V	3.5 W	3500K			DIE-CAST ALUMINUM	FLUSH GROUND MOUNT	GLASS			
G3	POINT LIGHTING		PSF-53063-6-T-PLS-V	24" X 4"	FLOODLIGHT	LED	120V	21 W	3500K	4725 LM		DIE-CAST ALUMINUM	GROUND MOUNT				
G4	POINT LIGHTING		PRL-97004-1C-G-PLS-NC-VB	(8" Ф X 5" DP)	TLOF PERIMETER LIGHT	LED	120V	3.5 W	3500K			DIE-CAST ALUMINUM	FLUSH GROUND MOUNT	GLASS			
G5	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	
G6	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	
G7	POINT LIGHTING		VAGS-89021-1-F-PLS		VERTICAL ALIGNMENT	LED	120V		3500K								
G8	POINT LIGHTING		PHB-37002-WGY-1-H		HELIPORT BEACON	LED	120V		3500K							PROVIDE LIGHTING SYSTEM CONTROLLER	
G9	HADCO	LANDSCAPE	i1.5N FL	(7.5" DIA X 6")	INGROUND UPLIGHT	LED	277V	12 W	3000K			FIBERGLASS	GROUND MOUNT	BOR SILICATE	CAST BRONZI	=	

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.	
Logation	
Caclic	
Type	
Lангря:	Qty

	Number	Drive	LED Color -				Options				
Prefix	o/LEN	Euromi	Berval atlan	Distribution	Emergency	Voltage	Dimming controls	Motion-sensing lens	Phóto-sensing	Electrical & Shield	Emish
PWS											
PWS PureForm wall sconce	48L 48 LEDs 64L 64 LEDs	300 300 mA <sup>2</sup> 400 400 mA 500 mA 500 mA 600 mA 700 mA 600 mA 700 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  Z OR CRI Generation 2	2 Type 2 3 Type 3 4 Type 4 BLC Back light control	EBPC Emergency Battery Pack Cold Weather (13.0) Leave blank to omit an emergency option	UNV 120-277V HVU 347-480V 120 120V 208 208V 240 240V 277 277V 347 347V	DD 0-10V External dimming (controls by others)* 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 CM30 Median 30% Dimming, 8 hours	IMRI2 <sup>16</sup> Integral with #2 Iens IMRI3 <sup>16</sup> Integral with #3 Iens	PCB Photocontrol Button ****	Fusing	Textured  BK Black WH White BZ Bronze DGY Dark G MGY Mediun Gray  Customer specif RAL Specify option color o RAL (ex. RAL70) CC Custom color (Must
	800 8W-G2 480 480V 8DOMA 3SDOK. SUCRI Generation 2 340 AM-G2 Direct Amber (590nm) Generation 2 344					supply color chip for require factory quote)					

PWS\_PureForm\_wall\_sconce 04/22 page 1 of 6

G GARDCO

by (Signify

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

Not available with motion sensor.



Site & Area

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

Project	
- dipation	
Eat No	
Type	
Lamps	Div.

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				

PureForm

Options									
Dimming controls		Motion sensing		Photo-sensing	Elent	rycal/Snield	Finish		
DD FAWS LLC BL DynaDir	0-10V External dimming (by others) <sup>4</sup> Field Adjustable Wattage Selector <sup>4,6</sup> Integral wireless module <sup>4,6,7,13</sup> Bi-level functionality <sup>4,73</sup> mmer: Automatic Profile Dimming <sup>4,7</sup>	IMRI3	Integral with #3 lens <sup>12</sup>	PCB Photocontrol Button 7th TLRD5 Twist Lock Receptacle 5 Pin 9th TLRD7 Twist Lock Receptacle 7 Pin 9th TLRPC Twist Lock Receptacle w/Photocell 810014	C 1000	ng Single (120, 277, 347VAC) <sup>a</sup> Double (208, 240, 480VAC) <sup>a</sup> Canadian Double Pull (208, 240, 480VAC) <sup>a</sup>	Textured BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray		
CS50 CM50 CS30 CM30	CS50 Security 50% Dimming, 7 hours CM50 Median 50% Dimming, 8 hours CS30 Security 30% Dimming, 7 hours				Surg SP2 EHS		Customer specified  RAL Specify optional color or RAL (ex. RAL7024  CC Custom color (Must supply color chip fo		

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

13. Must specify a motion sensor lens.

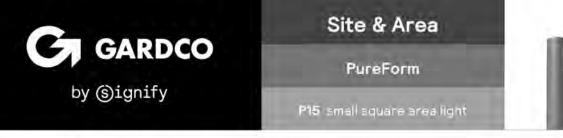
cold weather (EBPC).

Must specify input voltage. Must specify input voltage.
 Extended lead times apply. Contact factory for
 Dimming will not be connected to NEMA receptacle if
 14. Cannot be combined with HVU and BL-IMR13. details. ordering with other control options.

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

PPT\_PureForm\_post\_top 04/22 page 1 of 5





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 to customize your selection.



Prefix P15		P	Tacimology	Config	gui ation ne ominantimen	Cotor	Temperature	Distri	bution	Moun	ting	Voltag	je
P15	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 <sup>1</sup> 827 <sup>2</sup>	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		Arm mount (Standard)  ollowing mounting kits must be red separately (See accessories)  Retrofit arm mount kit  Wall mount	120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-277V (50/60Hz) 347-480V (50/60Hz)
Option	s												
	Access Field Ac	g Lead ible (co djustab	ndard) s Externally ontrols by ot ole Wattage S 50% dimmin	elector	L2 <sup>8,12,13</sup> PIR Sensor	#2 lens	TR7 <sup>8,10</sup> 7-pin 7-	contro Twist L Twist L Photoc		Textu BK WH BZ DG			
DynaDii CS50 <sup>4,6</sup> CM50 <sup>4,6</sup> CS30 <sup>4,6</sup> CM30 <sup>4,6</sup>	socket mmer: Autor Securit Median Securit	natic P y 50% 50% D y 30%	rofile Dimmin Dimming, 7 h Dimming, 8 ho Dimming, 7 h Dimming, 7 h	g ours ours			FS2 <sup>6</sup> Doubl	e Fuse	120, 277, 347VAC) (208, 240, 480VAC) te side shield	MG	Medium Gray  omer specified  Specify optional color or RAL (ex: RAL7024)  Custom color (Must supply color chip for required factory quote)		
2. Exte 3. Mount 4. Not 5. Not 6. BL50	nts to a 4-5" available wit available wit	mes ap OD ro n other n motic ecified	ply, Contact und pole with dimming cor on sensor. with a motio	adapte trol op	for details. In included for square tions (mutually exclus r lens (L2 or L3).	9 - 1 - 1 - 1		10. A 11. N 12. N 13. W	ot available in 480V. Or ot available with DLEA	der pho and FAW h L2 or	e connected to SR driver: otocell separately with TR7. /S dimming control aptions. L3, controller to be used on sock tails).	et must	be SR comp

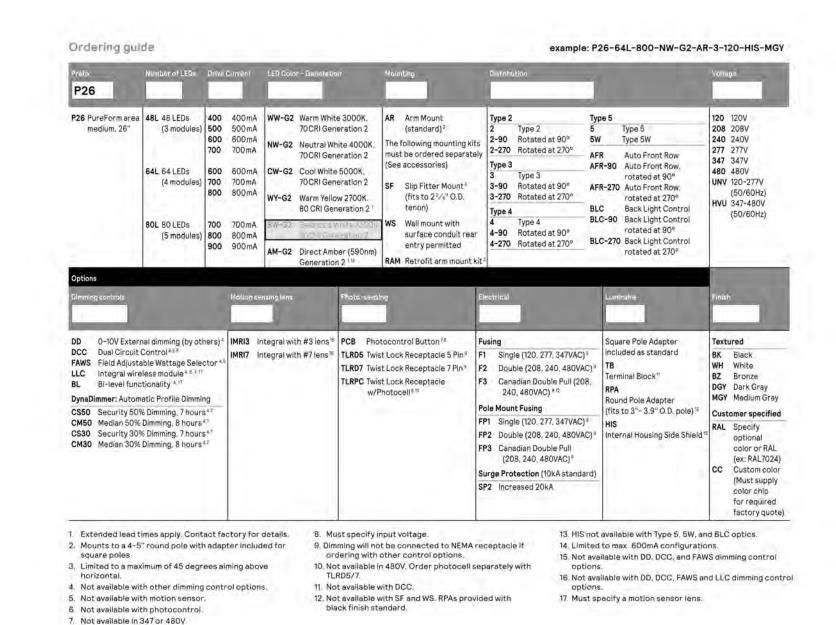
P15\_PureForm\_area\_small\_square\_precision 10/21 page 1 of 6





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

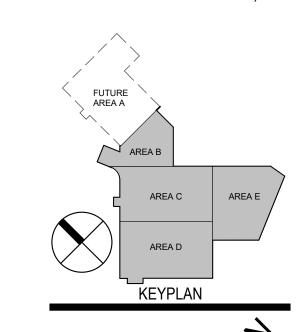
COLUMBUS, OH 43215

614.621.2796

COLMBUS, OH 43215

KORDA

614.487.1650





HGA NO: 1927-004-00

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

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tal No	
Type	
Lamps	Dty.
mhari	

	example: PPT-1	96L-450-NW-G2-T3-	-1-UNV-DGY
	Distribution	Emergency	Voltage
(4" d) i/8"x be ipped	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)

Options	ti .				1
Olmming	controls	Motion settling	Pfrato-sensing	Electrical/Snield	Finish
DD	0-10V External dimming (by others) 4		PCB Photocontrol Button 7.8	Fusing	Textured
FAWS LLC BL	Field Adjustable Wattage Selector 4.6 Integral wireless module 4.6,713 Bi-level functionality 4.53	#3 lens 12	TLRD5 Twist Lock Receptacle 5 Pin 9.16 TLRD7 Twist Lock Receptacle 7 Pin 9.16	F2 Double (208, 240, 480VAC) 4	BK Black WH White BZ Bronze
DynaDi	mmer: Automatic Profile Dimming 47		TLRPC Twist Lock Receptacle w/Photocell <sup>8,1004</sup>	F3 Canadian Double Pull (208, 240, 480VAC) <sup>8</sup>	DGY Dark Gray MGY Medium Gray
CS50 CM50	Security 50% Dimming, 7 hours Median 50% Dimming, 8 hours			Come Books May (10): A standard)	Customer specified
CS30 CM30	Security 30% Dimming, 7 hours Median 30% Dimming, 8 hours			Surge Protection (10kA standard) SP2 Increased 20kA	RAL Specify optional color or RAL (ex: RAL7024)
CM3U	Median 2022 Dimining, 8 hours			EHS External house side shield (factory installed)	CC Gustom color (Must supply color chip for

12. Not available with DD and FAWS dimming control

#### **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 CMU CONCRETE MASONRY UNIT CO CLEANOUT COL COLUMN CONC CONT CONCRETE CONTINUOUS CRS COURSE CLEAR TRUNK CTR CENTER DBH DIAMETER AT BREAST HEIGHT DEMOLISH

DEM DIA 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 GEN GENERAL

GENERAL CONTRACTOR 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 PT POINT PTP PRESSURE TREATED PINE

PW POTABLE WATER

PVMT PAVEMENT

REINF REINFORCED REQD REQUIRED REV REVISION RIM ELEVATION SCHEDULE SPECIFICATION

SINGLE TRUNK STD STANDARD STRUC STRUCTURAL VIEW NUMBER SQUARE TO BE DETERMINED TOP OF CURB TOP OF COLUMN BASE TCM TOP OF COLUMN TEMP TEMPERATURE TOP OF FOOTING TOP OF STAIRS SHEET NUMBER TOP OF WALL TYPICAL

TYP 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

QC QUICK COUPLER

QUANTITY

SECTION

SHEET

SIMILAR

SEALANT

SPREAD

STAINLESS STEEL

RADIUS

ROUND

REM REMOVE

QTY

SCH

SEC

SHT

SIM

SNT

SPR

SS

SQ

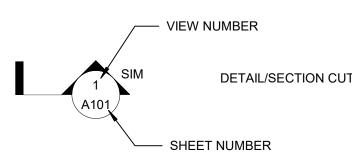
TBD

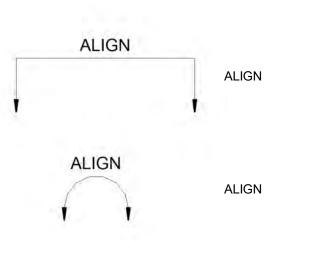
TCB

TF

TW

 VIEW NUMBER **ELEVATION CUT** SHEET NUMBER





**ELEVATION** 

\_\_\_ \_ CENTERLINE

RADIAL DIMENSION

SHEET INDEX Sheet Number Sheet Name LANDSCAPE GENERAL NOTES AND INDEX L0.02 OVERALL PLAN RENDERING L0.03 TREE PRESERVATION & REPLACEMENT L0.04 TREE PRESERVATION & REPLACEMENT TREE PRESERVATION & REPLACEMENT L0.06 PLANTING CHARACTER L1.00 PLANTING NOTES AND SCHEDULE L1.01 PLANTING KEY PLAN L1.02 PLANTING ZONE 01 L1.03 PLANTING ZONE 02 L1.04 PLANTING ZONE 03 PLANTING ZONE 04 L1.06 PLANTING ZONE 05 L1.07 SITE DETAILS L2.01 PEDESTRIAN AND BICYCLE CIRCULATION

SITE FURNISHINGS

SIGNAGE PLAN

L2.02

L3.00

COLMBUS, OH 43215 614.487.1650

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

**MOUNT CARMEL** 



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
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PLUMBING/STRUCTURAL/
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VIKSK LANDSCADE ADCHITECT

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

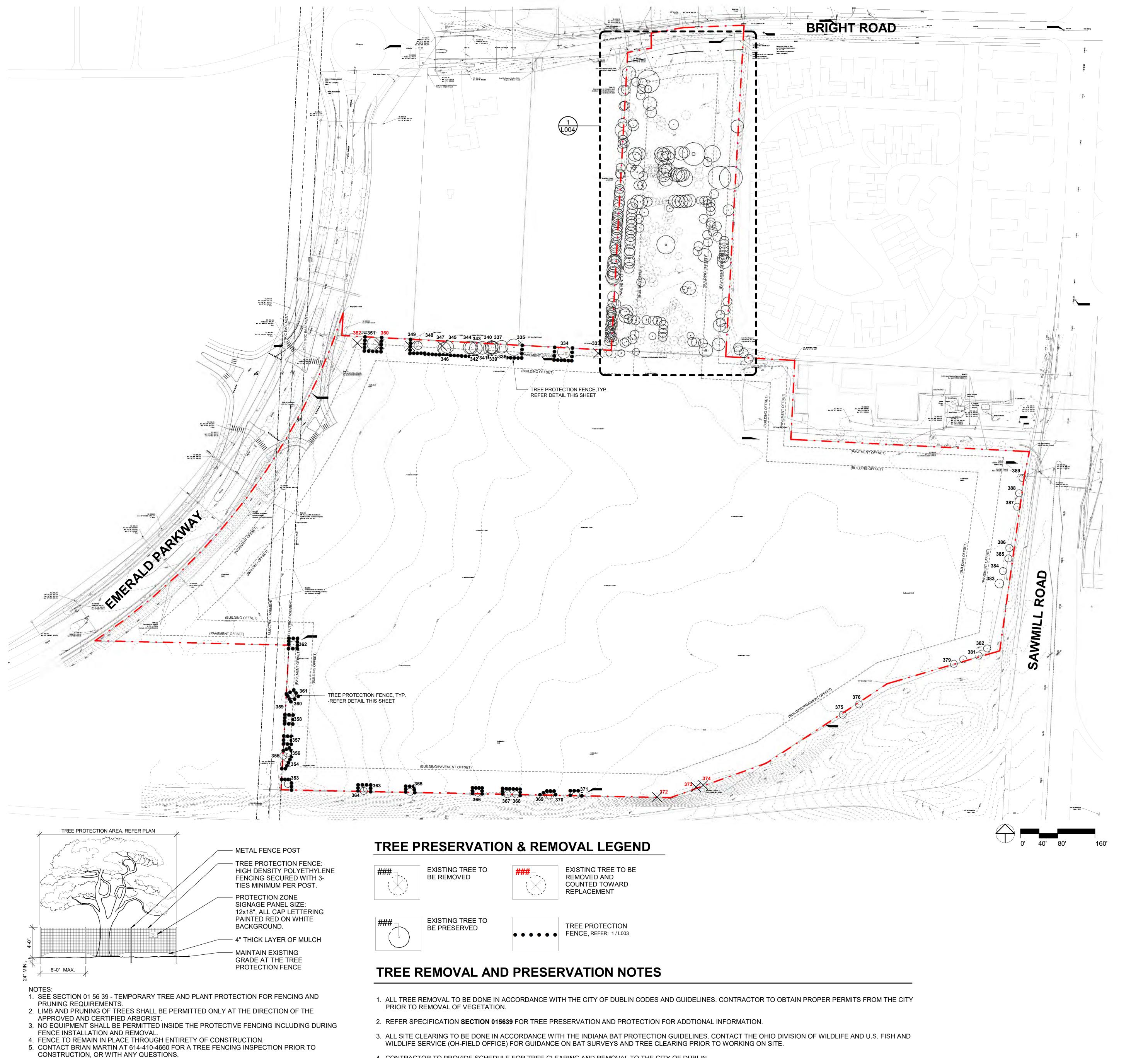
HGA NO: 1927-004-00

OVERALL PLAN RENDERING

KENDEKING

PINAL DEVELOPMENT
PLAN

1002



333 East Erie Street Telephone 414.278.8200

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

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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

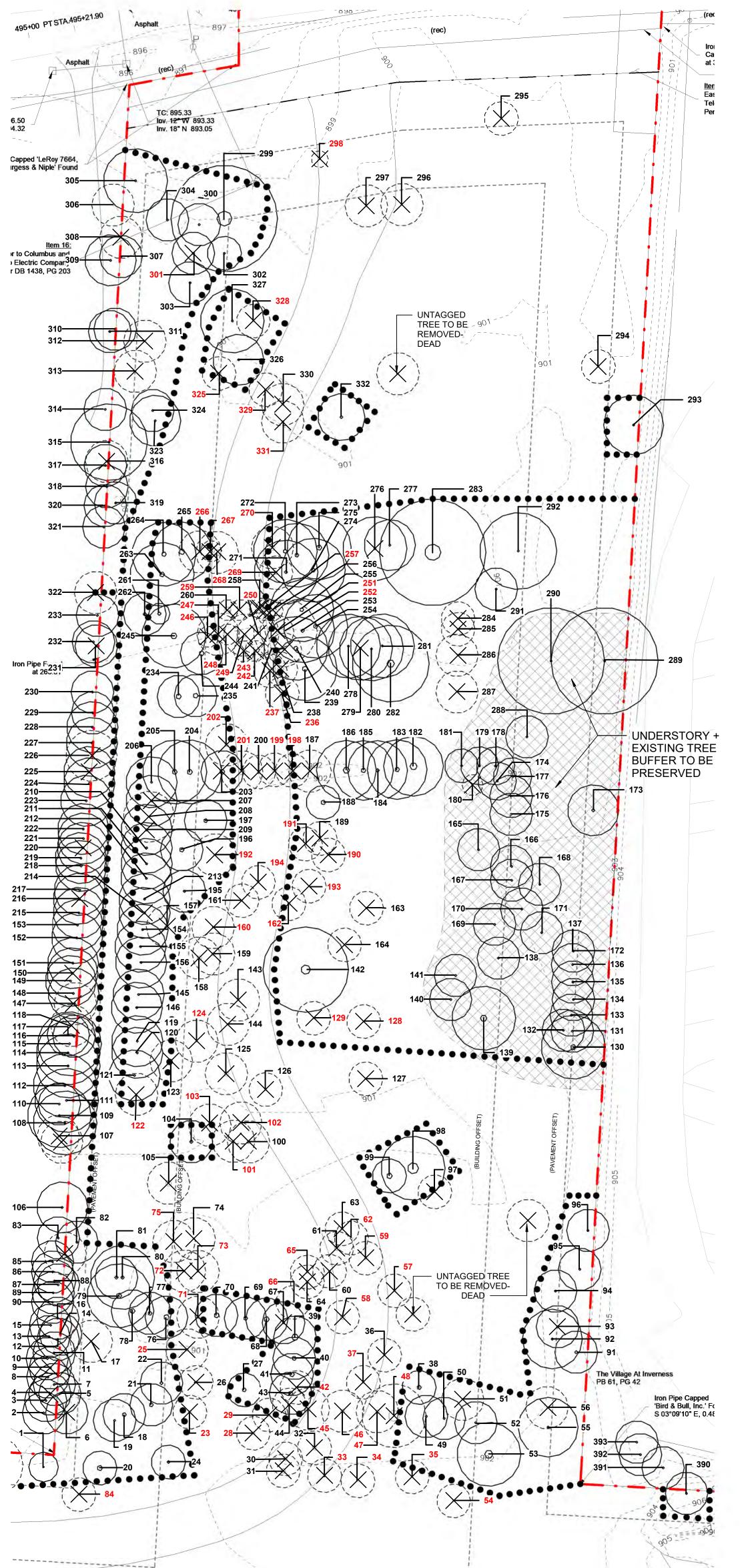
TREE PRESERVATION -

& REPLACEMENT \( \subseteq \)

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

4. CONTRACTOR TO PROVIDE SCHEDULE FOR TREE CLEARING AND REMOVAL TO THE CITY OF DUBLIN.

TREE PROTECTION FENCE N.T.S.



WHITE PINE 18" GOOD PRESERVE WHITE PINE 18" FAIR PRESERVE WHITE PINE 12" GOOD PRESERVE BOXELDER 12" GOOD PRESERVE WHITE PINE 19" FAIR PRESERVE WHITE PINE 19" FAIR PRESERVE WHITE PINE 19" GOOD PRESERVE WHITE PINE 13" GOOD PRESERVE WHITE PINE 19" FAIR PRESERVE WHITE PINE 19" FAIR PRESERVE BOXELDER 7" POOR REMOVED BLACK WALNUT 11" GOOD PRESERVE BOXELDER 19" FAIR PRESERVE BOXELDER 7" POOR REMOVED BOXELDER 7" POOR REMOVED BOXELDER 7" POOR REMOVED BLACK WALNUT 10" GOOD PRESERVE BLACK WA	FREE #	SPECIES	SIZE	CONDITION	STATUS
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WHITE PINE   6"   DEAD   PRESERVE	2		_		PRESERVE
BOXELDER   12'   GOOD   PRESERVE	3		_		PRESERVE
BOXELDER   6"   FAIR   PRESERVE   WHITE PINE   15"   GOOD   PRESERVE   BOXELDER   8"   POOR   PRESERVE   WHITE PINE   13"   GOOD   PRESERVE   WHITE PINE   13"   GOOD   PRESERVE   WHITE PINE   13"   GOOD   PRESERVE   WHITE PINE   19"   DEAD   PRESERVE   WHITE PINE   9"   DEAD   PRESERVE   WHITE PINE   9"   DEAD   PRESERVE   BOXELDER   7"   POOR   REMOVED   BLACK WALNUT   11"   FAIR   PRESERVE   BOXELDER   7"   POOR   REMOVED   BLACK WALNUT   11"   GOOD   PRESERVE   BLACK WALNUT   11"   GOOD   RESERVE   BLACK WALNUT   11"   GOOD   RESERVE   BLACK WALNUT   11"   GOOD   RESERVE   BLACK WALNUT   10"   GOOD   REMOVED   BLACK WALNUT   9"   GOOD   REMOVED   BLACK WALNUT   10"   GOOD   REMOVED   BLACK WALNUT   7"   FAIR   REMOVED   RE	<u>4</u> 5		_		PRESERVEL
WHITE PINE	6				PRESERVED
BOXELDER	7		_		PRESERVE
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WHITE PINE	11		_		PRESERVE
AMERICAN ELM	12		_		PRESERVED
WHITE PINE	13 14				
BOXELDER	15		_		PRESERVE
BLACK WALNUT	16	WHITE PINE	9"	DEAD	PRESERVE
BOXELDER	17		•		REMOVED
BOXELDER   15"	18 19				
BOXELDER   9"   FAIR   REMOVED	20		-		PRESERVE
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AMERICAN ELM	22	_	-		PRESERVE
BLACK WALNUT   9"   GOOD   REMOVED   BLACK WALNUT   11"   GOOD   RESERVE   BLACK WALNUT   10"   GOOD   REMOVED   SILVER MAPLE   12"   VERY POOR   REMOVED   SILVER MAPLE   12"   VERY POOR   REMOVED   REMOV	23				
BLACK WALNUT	25		_		REMOVED
BLACK WALNUT	26	BOXELDER	7"	POOR	REMOVED
SILVER MAPLE   12"	27				PRESERVE
SILVER MAPLE	28 29		_		REMOVED
BOXELDER 14" POOR REMOVED BLACK WALNUT 7" GOOD REMOVED CRABAPPLE 6" FAIR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 12" FAIR REMOVED CRABAPPLE 12" FAIR PRESERVE NORWAY SPRUCE 13" GOOD PRESERVE NORWAY SPRUCE 13" GOOD PRESERVE NORWAY SPRUCE 12" FAIR PRESERVE RORWAY SPRUCE 12" FAIR PRESERVE RORWAY SPRUCE 12" FAIR PRESERVE RORWAY SPRUCE 12" FAIR REMOVED NORWAY SPRUCE 12" GOOD REMOVED SILVER MAPLE 32" GOOD REMOVED NORWAY SPRUCE 12" GOOD PRESERVE NORWAY SPRUCE 12" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE PIN OAK 23" GOOD PRESERVE CRABAPPLE 11" GOOD PRESERVE CRABAPPLE 11" GOOD PRESERVE CRABAPPLE 11" GOOD PRESERVE CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRU	30				REMOVED
BLACK WALNUT	31				REMOVED
CRABAPPLE	32				REMOVED
BOXELDER 10" FAIR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 17" FAIR REMOVED CRABAPPLE 12" FAIR PRESERVE NORWAY SPRUCE 13" GOOD PRESERVE NORWAY SPRUCE 13" GOOD PRESERVE NORWAY SPRUCE 12" FAIR PRESERVE NORWAY SPRUCE 12" FAIR REMOVED NORWAY SPRUCE 12" GOOD REMOVED SILVER MAPLE 32" GOOD PRESERVE NORWAY SPRUCE 12" GOOD REMOVED NORWAY SPRUCE 12" GOOD PRESERVE POOR REMOVED NORWAY SPRUCE 12" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE CRABAPPLE 9" POOR REMOVED NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 13" DEAD REMOVED CHARAPHORAL STAN DEAD REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 9" FAIR REMOVED CRABAPPLE 9" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 9" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 10" POOR REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 11" POOR PRESERVE NORWAY SPRUCE 15" FAIR REMOVED CRABAPPLE 15" GOOD PRESERVE NORWAY SPRUCE 15" FAIR REMOVED CRABAPPLE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE	33				
CRABAPPLE         7"         FAIR         REMOVED           CRABAPPLE         12"         FAIR         PRESERVE           NORWAY SPRUCE         18"         FAIR         PRESERVE           NORWAY SPRUCE         12"         FAIR         PRESERVE           NORWAY SPRUCE         12"         FAIR         REMOVED           NORWAY SPRUCE         12"         GOOD         REMOVED           NORWAY SPRUCE         12"         GOOD         REMOVED           NORWAY SPRUCE         12"         GOOD         PRESERVE           ORABAPPLE         9"         POOR         REMOVED           NORWAY SPRUCE         11"         GOOD         PRESERVE           ORABAPPLE         9"         POOR         REMOVED           NORWAY SPRUCE         11"         GOOD         PRESERVE           ORABAPPLE         11"         GOOD         PRESERVE           NORWAY SPRUCE         11"         GOOD         REMOVED           CRABAPPLE         15" <td>35</td> <td></td> <td>-</td> <td></td> <td>REMOVED</td>	35		-		REMOVED
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CRABAPPLE 10" POOR REMOVED CRABAPPLE 7" FAIR REMOVED CRABAPPLE 6" FAIR REMOVED NORWAY SPRUCE 12" POOR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 11" POOR PRESERVE NORWAY SPRUCE 14" POOR PRESERVE NORWAY SPRUCE 13" GOOD REMOVED CRABAPPLE 10" FAIR REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE	62 63				
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NORWAY SPRUCE 12" POOR PRESERVE NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 11" POOR PRESERVE NORWAY SPRUCE 14" POOR PRESERVE NORWAY SPRUCE 13" GOOD REMOVED CRABAPPLE 10" FAIR REMOVED CRABAPLE 15" GOOD REMOVED CRABAPLE 15" GOOD REMOVED CRABAPLE 15" FAIR REMOVED CRABAPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 15" FAIR PR	65		-		REMOVED
NORWAY SPRUCE 15" FAIR PRESERVE NORWAY SPRUCE 11" POOR PRESERVE NORWAY SPRUCE 14" POOR PRESERVE NORWAY SPRUCE 13" GOOD REMOVED CRABAPPLE 10" FAIR REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	66 67		-		REMOVED PRESERVE
NORWAY SPRUCE 11" POOR PRESERVE NORWAY SPRUCE 14" POOR PRESERVE NORWAY SPRUCE 13" GOOD REMOVED CRABAPPLE 10" FAIR REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE PRESERVE 9" POOR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 9" POOR PRESERVE DIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	68				PRESERVE
NORWAY SPRUCE 13" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 13" POOR REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	69		11"		PRESERVE
CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" GOOD REMOVED CRABAPPLE 15" FAIR REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 9" POOR PRESERVE DIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	70				PRESERVE
CRABAPPLE 15" GOOD REMOVED CRABAPPLE 13" POOR REMOVED CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	71 72				
CRABAPPLE 15" FAIR REMOVED NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	73		_		REMOVED
NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	74	CRABAPPLE	13"	POOR	REMOVED
NORWAY SPRUCE 11" GOOD PRESERVE NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	75				REMOVED
NORWAY SPRUCE 14" GOOD PRESERVE NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 8" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	76 77				
NORWAY SPRUCE 15" GOOD PRESERVE NORWAY SPRUCE 10" FAIR PRESERVE RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 12" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 9" POOR PRESERVE CRABAPPLE 7" GOOD PRESERVE DIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE DIN OAK 10" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	78				PRESERVE
RED MULBERRY 10" FAIR PRESERVE PIN OAK 15" FAIR PRESERVE WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 8" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	79	NORWAY SPRUCE	15"	GOOD	PRESERVE
PIN OAK  WHITE PINE  BOXELDER  UNKNOWN  WHITE PINE  B''  WHITE PINE  B''  WHITE PINE  WHIT	80				PRESERVE
WHITE PINE 17" FAIR PRESERVE BOXELDER 9" GOOD REMOVED UNKNOWN DEAD REMOVED WHITE PINE 12" FAIR PRESERVE WHITE PINE 8" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	81 82				
BOXELDER  UNKNOWN  DEAD  WHITE PINE  FAIR  PRESERVE  WHITE PINE  FAIR  PRESERVE  WHITE PINE  FAIR  PRESERVE  WHOOD  PRESERVE  CRABAPPLE  PIN OAK  TO"  GOOD  PRESERVE  CRABAPPLE  TO  GOOD  PRESERVE  BLACK WALNUT  TO  GOOD  PRESERVE  CRABAPPLE  TO  GOOD  PRESERVE  CRABAPPLE  TO  GOOD  PRESERVE  BLACK WALNUT  TO  TO  TO  TO  TO  TO  TO  TO  TO	83				PRESERVE
WHITE PINE 12" FAIR PRESERVE WHITE PINE 8" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	84	BOXELDER		GOOD	REMOVED
WHITE PINE 8" FAIR PRESERVE WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	0		40"		REMOVED
WHITE PINE 13" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	85 86				
WHITE PINE 15" FAIR PRESERVE WHITE PINE 15" FAIR PRESERVE WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	87				PRESERVE
WHITE PINE 9" FAIR PRESERVE BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	88	WHITE PINE	15"	FAIR	PRESERVE
BLACK WALNUT 9" GOOD PRESERVE NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	89				PRESERVE
NORWAY SPRUCE 7" FAIR PRESERVE CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	90				
CRABAPPLE 9" POOR PRESERVE PIN OAK 10" GOOD PRESERVE CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	92				PRESERVE
CRABAPPLE 7" GOOD PRESERVE BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	93		9"	POOR	PRESERVE
BLACK WALNUT 9" GOOD PRESERVE CRABAPPLE 8" POOR REMOVED	94		_		PRESERVE
CRABAPPLE 8" POOR REMOVED	95 96		-		
	90				
silver maple 31" FAIR PRESERVE	97		'		v LD

PRESERVED   PRES		EXIS	STING TREE L	IST		
PRESERVED   103   SILVER MAPLE   6"   FAIR   REM   PRESERVED   102   SILVER MAPLE   6"   FAIR   REM   PRESERVED   103   SILVER MAPLE   6"   FAIR   REM   PRESERVED   104   SILVER MAPLE   6"   FAIR   REM   PRESERVED   105   WHITE APIH   1"   FOOR   PRESERVED   105   WHITE APIH   1"   FOOR   PRESERVED   106   WHITE APIH   1"   GOOD   PRESERVED   108   WHITE APIH   1"   GOOD   PRESERVED   108   WHITE APIH   1"   GOOD   PRESERVED   109   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   110   RED MULBERRY   "FAIR   PRESERVED   PRESERVED   110   RED MULBERRY   "FAIR   PRESERVED   PRESERVED   111   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   112   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   112   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   112   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   114   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   114   WHITE APIH   1"   GOOD   PRESERVED   PRESERVED   116   AMARICAN   5"   FAIR   PRESERVED   PRESERVED   116   AMARICAN   5"   GOOD   PRESERVED   PRESERVED   116   AMARICAN   5"   GOOD   PRESERVED   TRESERVED   110   AVAILAGE   1"   FAIR   PRESERVED   TRESERVED   110   AVAILAGE   1"   FAIR   PRESERVED   TRESERVED   120   AVAILAGE   1"   FAIR   PRESERVED   TRESERVED   120   AVAILAGE   1"   FAIR   PRESERVED   TRESERVED   120   CARABAPPLE   1"   FAIR   PRESERVED   1"   AVAILAGE   1"   AVAILAGE   1"   AVAILAGE   1"   AVAILAGE   1"	STATUS		SPECIES	SIZE	CONDITION	STAT
PRESERVED   193   SHAVEN MAPLE   6"   FAIR   REM   REM   PRESERVED   193   SHAVEN MAPLE   10"   GOOD   PRESERVED   RESERVED   195   WHITE FINE   10"   GOOD   PRESERVED   RESERVED   196   WHITE FINE   17"   FOOD   RESM   RESERVED   197   WHITE FINE   17"   GOOD   PRESERVED   RESERVED   198   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   111   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   115   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   116   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   116   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   116   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   117   RED MULBERRY   2"   FAIR   PRESERVED   RESERVED   118   WHITE FINE   18"   GOOD   PRESERVED   RESERVED   119   KORWAY SPRUCE   11"   FAIR   PRESERVED   RESERVED   110   RED MULBERRY   2"   FAIR   PRESERVED   RESERVED						REMO
PRESERVED						
PRESERVED   105						REMO
PRESERVED PRESERVED 106 PRESERVED 107 PRESERVED 108 PRESERVED 109 PRESERVED 109 PRESERVED 109 PRESERVED 109 PRESERVED 110 PRESERVED 111 PRESERVED 111 PRESERVED 111 PRESERVED 112 PRESERVED 113 PRESERVED 114 PRESERVED 115 PRESERVED 116 PRESERVED 117 PRESERVED 118 PRESERVED 119 PRESERVED 119 PRESERVED 119 PRESERVED 119 PRESERVED 110 PRESERVED 111 PRESERVED 111 PRESERVED 111 PRESERVED 111 PRESERVED 112 PRESERVED 113 PRESERVED 114 PRESERVED 115 PRESERVED 116 PRESERVED 117 PRESERVED 117 PRESERVED 118 PRESERVED 119 PRESERVED 119 PRESERVED 119 PRESERVED 119 PRESERVED 119 PRESERVED 110 PRESERVED 110 PRESERVED 110 PRESERVED 111 PRESERVED 111 PRESERVED 112 NORWAY SPRUCE 117 PRESERVED 118 PRESERVED 119 PRESERVED 120 REMOVED 121 REMOVED 122 REMOVED 123 REMOVED 124 REMOVED 125 CRABAPPLE 127 POOR REMM REMOVED 128 REMOVED 129 REMOVED 130 REMOVED 131 NORWAY SPRUCE 137 PRESERVED 131 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 139 REMOVED 130 NORWAY SPRUCE 137 PRESERVED 130 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 130 NORWAY SPRUCE 137 PRESERVED 138 NORWAY SPRUC	PRESERVED	104	SILVER MAPLE	10"	GOOD	PRESE
PRESERVED PRESER						REMO
PRESERVED REMOVED REMOVED REMOVED PRESERVED PR						
PRESERVED 113 WHITE PINE 15° PRESERVED 116 WHITE PINE 15° PRESERVED PRESERVED 117 REMOVED PRESERVED 118 WHITE PINE 15° PRESERVED 119 WHITE PINE 15° PRESERVED 119 REMOVED PRESERVED 1116 WHITE PINE 15° PRESERVED 119 REMOVED PRESERVED 119 REMOVED PRESERVED 119 REMOVED 110 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 122 REMOVED 123 REMOVED 124 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 120 REMOVED 120 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 122 REMOVED 123 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 120 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 122 REMOVED 123 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 120 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 120 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 133 REMOVED 134 REMOVED 135 REMOVED 135 REMOVED 136 REMOVED 137 REMOVED 136 REMOVED 137 REMOVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 134 REMOVED 135 REMOVED 135 REMOVED 136 REMOVED 137 REMOVED 137 REMOVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 134 REMOVED 135 REMOVED 136 REMOVED 137 REMOVED 137 REMOVED 138 REMOVED 139 REMOVED 139 REMOVED 130 REMO						
PRESERVED PRESER						PRESE
PRESERVED PRESER	PRESERVED	110	RED MULBERRY	7"	FAIR	PRESE
PRESERVED 118 WHITE PINE 119 PRESERVED 120 WRWAY SPRUCE 131 PRESERVED 121 PRESERVED 122 BOXELDER 7 FAIR PRESER PRESERVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 129 REMOVED 129 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 123 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 131 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 138 REMOVED 139 REMOVED 130 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 132 CRABAPPLE 12 PRESERVED 133 NORWAY SPRUCE 137 POOR PRESER REMOVED 136 REMOVED 137 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 139 REMOVED 130 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 145 REMOVED 146 REMOVED 147 WHITE PINE 137 RORWAY SPRUCE 137 POOR PRESER PRESERVED 138 REMOVED 139 REMOVED 140 REMOVED 141 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 141 REMOVED 142 RE						PRESE
PRESERVED REMOVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED REMOVED RE						
REMOVED						PRESE
PRESERVED 110 NORWAY SPRUCE 111 NORWAY SPRUCE 112 NORWAY SPRUCE 113 NORWAY SPRUCE 114 FAIR PRESERVED REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 129 REMOVED 129 REMOVED 120 REMOVED 121 REMOVED 121 REMOVED 121 REMOVED 122 REMOVED 123 REMOVED 124 REMOVED 125 REMOVED 126 REMOVED 127 REMOVED 127 REMOVED 128 REMOVED 129 REMOVED 129 REMOVED 130 REMOVED 130 REMOVED 131 NORWAY SPRUCE 131 REMOVED 131 NORWAY SPRUCE 132 REMOVED 133 NORWAY SPRUCE 133 NORWAY SPRUCE 134 REMOVED 135 REMOVED 136 REMOVED 137 REMOVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 133 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 133 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 133 NORWAY SPRUCE 137 PRESERVED 138 REMOVED 139 REMOVED 130 REMOVED 130 REMOVED 131 REMOVED 131 REMOVED 131 REMOVED 132 REMOVED 133 REMOVED 134 REMOVED 135 REMOVED 136 REMOVED 137 REMOVED 138 REMOVED 139 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 141 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 143 REMOVED 144 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 149 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 141 REMOVED 142 REMOVED 144 REMOVED 145 REMOVED 146 REMOVED 147 REMOVED 147 REMOVED 148 REMOVED 149 REMOVED 149 REMOVED 140 REMOVED 140 REMOVED 141 REMOVED 141 REMOVED 141 REMOVED 141 REMOVED 141 REMOVED 142 R	PRESERVED	115	WHITE PINE		FAIR	PRESE
PRESERVED         118         WHITE PINE         18*         DEAD         REM           PRESERVED         120         NORWAY SPRUCE         11*         FAIR         PRESE           PRESERVED         120         NORWAY SPRUCE         11*         FAIR         PRESE           PRESERVED         122         NORWAY SPRUCE         11*         FAIR         PRESE           PRESERVED         123         CRABAPPLE         12*         POOR         REM           REMOVED         124         CRABAPPLE         12*         POOR         REM           REMOVED         126         CRABAPPLE         12*         POOR         REM           REMOVED         128         CRABAPPLE         12*         FAIR         REM           REMOVED         130         NORWAY SPRUCE         15*         FAIR         PRESE           REMOVED         131         NORWAY SPRUCE         12*         FAIR         PRESE           REMOVED         130         NORWAY SPRUCE         13*         FAIR         PRESE           REMOVED         130         NORWAY SPRUCE         13*         FAIR         PRESE           REMOVED         135         NORWAY SPRUCE         13*						PRESE
PRESERVED   PRESERVED   190 NORWAY SPRUCE   19"   FAJR   PRESERVED   120 NORWAY SPRUCE   19"   FAJR   PRESERVED   121 NORWAY SPRUCE   19"   FAJR   PRESERVED   122 NORWAY SPRUCE   19"   FAJR   PRESERVED   123 CRABAPPLE   12"   POOR   REMOVED   126 CRABAPPLE   12"   POOR   REMOVED   126 CRABAPPLE   15"   POOR   REMOVED   126 CRABAPPLE   15"   POOR   REMOVED   128 CRABAPPLE   15"   FAJR   REMOVED   129   CRABAPPLE   15"   FAJR   REMOVED   129   CRABAPPLE   15"   FAJR   REMOVED   120   CRABAPPLE   15"   FAJR   PRESERVED   130   NORWAY SPRUCE   19"   POOR   PRESERVED   131   NORWAY SPRUCE   13"   FAJR   PRESERVED   134   NORWAY SPRUCE   13"   FAJR   PRESERVED   REMOVED   135   NORWAY SPRUCE   13"   FAJR   PRESERVED   REMOVED   136   NORWAY SPRUCE   13"   FAJR   PRESERVED   PRESERVED   136   NORWAY SPRUCE   13"   FAJR   PRESERVED   PRESERVED   136   NORWAY SPRUCE   13"   FAJR   PRESERVED   PRESERVED   130   NORWAY SPRUCE   13"   FAJR   PRESERVED   PRESERVED   130   NORWAY SPRUCE   13"   FAJR   PRESERVED   PRESERVED   140   CRABAPPLE   14"   FAJR   PRESERVED   PRESERVED   140   CRABAPPLE   14"   FAJR   PRESERVED   PRESERVED   140   CRABAPPLE   14"   FAJR   PRESERVED   PRESERVED   140   CRABAPPLE   12"   POOR   PRESERVED   140   NORWAY SPRUCE   15"   FAJR   PRESERVED   150   WHITE PINE   13"   DOAD   REMOVED   REMOVED   140   NORWAY SPRUCE   15"   FAJR   PRESERVED   PRESERVED   150   NORWAY SPRUCE						
PRESERVED   121 NORWAY SPRUCE   12"   FAIR   PRESERVED   122   CRABAPPLE   12"   POOR   REMOVED   124   CRABAPPLE   15"   POOR   REMOVED   125   CRABAPPLE   15"   POOR   REMOVED   126   CRABAPPLE   15"   POOR   REMOVED   126   CRABAPPLE   15"   POOR   REMOVED   127   HAWTHORN   11"   VERY POOR   REMOVED   128   CRABAPPLE   12"   FAIR   REMOVED   REMOVED   129   CRABAPPLE   12"   FAIR   REMOVED   REMOVED   130   NORWAY SPRUCE   13"   POOR   PRESERVED   131   NORWAY SPRUCE   13"   FAIR   PRESERVED   132   CRABAPPLE   6"   FAIR   PRESERVED   134   NORWAY SPRUCE   13"   FAIR   PRESERVED   REMOVED   135   NORWAY SPRUCE   13"   FAIR   PRESERVED   PRESERVED   136   NORWAY SPRUCE   13"   FAIR   PRESERVED   PRESERVED   136   NORWAY SPRUCE   13"   FAIR   PRESERVED   PRESERVED   136   NORWAY SPRUCE   13"   FAIR   PRESERVED   PRESERVED   140   CRABAPPLE   12"   FAIR   PRESERVED   PRESERVED   140   CRABAPPLE   12"   POOR   PRESERVED   PRESERVED   141   CRABAPPLE   12"   POOR   PRESERVED   142   SINVET maple   28"   GOOD   PRESERVED   REMOVED   143   WHITE ASH   6"   POOR   REMOVED   144   WHITE PINE   13"   POOR   REMOVED   145   NORWAY SPRUCE   15"   FAIR   PRESERVED   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESERVED   PRESERVED   147   WHITE PINE   13"   DOAD   PRESERVED   PRESERVED   148   WHITE PINE   13"   DOAD   PRESERVED   PRESERVED   149   WHITE PINE   13"   DOAD   PRESERVED   PRESERVED   150   WHITE PINE   13"   DOAD   PRESERVED   150   WHITE PINE   13"   DOAD   PRESERVED   150   WHITE PINE   13"   DOAD   PRESERVED   REMOVED   150   NORWAY SPRUCE   15"   FAIR   PRESERVED   150   WHITE PINE   13"   DOAD   PRESERVED   150   NORWAY SPRUCE   15"   FAIR   PRESERVED   PRESERVED   150   NORWAY SPRUCE   15"   FAIR   PRESERVED   150   NORWAY SPRUCE   15"   FAIR   PRESERVED   PRESERV						PRESE
PRESERVED   122   BOXELDER   7"   FAIR   REMM   PRESERVED   123   CRABAPPLE   12"   POOR   REMOVED   124   CRABAPPLE   12"   POOR   REMM   REMOVED   126   CRABAPPLE   12"   POOR   REMM   REMOVED   126   CRABAPPLE   12"   POOR   REMM   REMOVED   126   CRABAPPLE   12"   FAIR   REMM   REMOVED   120   CRABAPPLE   12"   FAIR   REMM   REMOVED   120   CRABAPPLE   12"   FAIR   REMM   REMOVED   130   NORWAY SPRUCE   13"   FAIR   PRESE   REMOVED   131   NORWAY SPRUCE   13"   FAIR   PRESE   REMOVED   132   CRABAPPLE   6"   FAIR   PRESE   REMOVED   133   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   134   NORWAY SPRUCE   13"   POOR   PRESE   PRESERVED   134   NORWAY SPRUCE   13"   POOR   PRESE   PRESERVED   136   CRABAPPLE   8"   DEAD   PRESE   PRESERVED   136   CRABAPPLE   13"   POOR   PRESE   PRESERVED   138   BLACK WALNUT   6"   GOOD   PRESE   139   SINVER maple   18"   GOOD   PRESE   PRESERVED   140   CRABAPPLE   12"   FAIR   PRESE   PRESERVED   141   CRABAPPLE   12"   FAIR   PRESE   PRESERVED   142   SINVER maple   18"   GOOD   PRESE   PRESERVED   143   SINVER MAPLE   13"   DEAD   PRESE   PRESERVED   144   CRABAPPLE   12"   POOR   REMOVED   145   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   13"   POOR   REMOVED   146   NORWAY SPRUCE   13"   POOR   REMOVED   147   WHITE RINE   13"   DEAD   REMOVED   148   WHITE RINE   13"   DEAD   REMOVED   149   WHITE RINE   13"   DEAD   REMOVED   REMOVED   150   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   REMOVED   150   CRABAPPLE   14"   FAIR   PRESE   PRESERVED   PRESERVED   150   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   PRESERVED   150   NORW	PRESERVED	120	NORWAY SPRUCE	11"	FAIR	PRESE
PRESERVED   123   CRABAPPLE   12"   POOR   REMM						PRESE
REMOVED         124         CRABAPPLE         6"         FAIR         REM           REMOVED         125         CRABAPPLE         12"         POOR         REM           REMOVED         126         CRABAPPLE         12"         POOR         REM           REMOVED         128         CRABAPPLE         12"         PAIR         REM           REMOVED         120         CRABAPPLE         12"         PAIR         REM           REMOVED         130         NORWAY SPRUCE         13"         PAIR         PRES           REMOVED         131         NORWAY SPRUCE         13"         PAIR         PRES           REMOVED         132         CRABAPPLE         6"         PAIR         PRES           REMOVED         131         NORWAY SPRUCE         13"         POOR         PRES           REMOVED         130         NORWAY SPRUCE         13"         POOR         PRES           PRESERVED         PRESERVED         138         BLACK WALNUT         6"         GOOD         PRES           PRESERVED         140         CRABAPPLE         12"         POOR         PRES           PRESERVED         141         CRABAPPLE         12"         P	_					
PRESERVED   REMOVED   126   CRABAPPLE   12°   POOR   REMOVED   127   HAWTHORN   11°   VERY POOR   REMOVED   128   CRABAPPLE   12°   FAIR   REMOVED   129   CRABAPPLE   12°   FAIR   REMOVED   120   CRABAPPLE   13°   FAIR   PRESE   REMOVED   131   NORWAY SPRUCE   13°   FAIR   PRESE   REMOVED   132   CRABAPPLE   6°   FAIR   PRESE   REMOVED   133   NORWAY SPRUCE   13°   FAIR   PRESE   REMOVED   134   NORWAY SPRUCE   13°   FAIR   PRESE   REMOVED   135   NORWAY SPRUCE   13°   FAIR   PRESE   PRESERVED   136   CRABAPPLE   13°   FAIR   PRESE   PRESERVED   136   NORWAY SPRUCE   13°   FAIR   PRESE   PRESERVED   137   NORWAY SPRUCE   13°   FAIR   PRESE   PRESERVED   138   BLACK WALNUT   6°   GOOD   PRESE   PRESERVED   140   CRABAPPLE   12°   FAIR   PRESE   PRESERVED   141   CRABAPPLE   12°   FAIR   PRESE   PRESERVED   141   CRABAPPLE   12°   FAIR   PRESE   PRESERVED   142   Silver maple   18°   GOOD   PRESE   PRESERVED   144   GRABAPPLE   12°   FAIR   PRESE   PRESERVED   145   NORWAY SPRUCE   13°   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15°   FAIR   PRESE   PRESERVED   147   WHITE PINE   13°   DEAD   REMOVED   148   WHITE PINE   13°   DEAD   REMOVED   149   WHITE PINE   13°   DEAD   REMOVED   150   NORWAY SPRUCE   15°   FAIR   PRESE   PRESERVED   150   WHITE PINE   13°   GOOD   PRESE   150   WHITE PINE   13°   FAIR   PRESE   PRESERVED   150   NORWAY SPRUCE   13°   FAIR   PRESE   150   NORWAY S						REMO
REMOVED	REMOVED	125	CRABAPPLE	15"	POOR	REMO
REMOVED						REMO
REMOVED						
REMOVED						REMO
REMOVED		130				PRESE
REMOVED						PRESE
REMOVED   134   NORWAY SPRUCE   13*   POOR   PRESE REMOVED   136   CRABAPLE   8*   DEAD   PRESERVED   136   CRABAPLE   8*   DEAD   PRESERVED   137   NORWAY SPRUCE   14*   FAIR   PRESE   PRESERVED   138   BLACK WALNUT   6*   GOOD   PRESE   PRESERVED   139   Silver maple   18*   GOOD   PRESE   PRESERVED   140   CRABAPPLE   12*   FAIR   PRESE   PRESERVED   141   CRABAPPLE   12*   POOR   PRESE   PRESERVED   142   Silver maple   26*   GOOD   PRESE   PRESERVED   144   CRABAPPLE   12*   POOR   PRESE   PRESERVED   145   Silver maple   26*   GOOD   PRESE   PRESERVED   146   NORWAY SPRUCE   15*   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15*   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15*   FAIR   PRESE   PRESERVED   148   WHITE PINE   13*   DEAD   REMOVED   PRESERVED   149   WHITE PINE   23*   FAIR   PRESE   PRESERVED   149   WHITE PINE   23*   FAIR   PRESE   PRESERVED   15*   WHITE PINE   19*   GOOD   PRESE   PRESERVED   15*   MORWAY SPRUCE   13*   FAIR   PRESE   PRESERVED   15*   MORWAY SPRUCE   14*   FAIR   PRESE   PRESERVED   15*   MORWAY SPRUCE   14*   FAIR   PRESE   PRESERVED   15*   MORWAY SPRUCE   14*   FAIR   PRESE   PRESERVED   15*   MORWAY SPRUCE   15*   FAIR   PRESE   PRESERVED   15*   MORWAY SPRUC						
PRESERVED   136   CRABAPPLE   8"   DEAD   PRESER						PRESE
PRESERVED   137   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   138   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   149   SILVER maple   18"   GOOD   PRESE   PRESERVED   140   CRABAPPLE   12"   POOR   PRESE   PRESERVED   141   CRABAPPLE   12"   POOR   PRESE   PRESERVED   142   SILVER maple   26"   GOOD   PRESE   PRESERVED   143   SILVER maple   26"   GOOD   PRESE   PRESERVED   144   CRABAPPLE   13"   POOR   REMM   PRESE   POOR   REMM   PRESER   POOR   REMM   PRESER   PRESERVED   145   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   147   WHITE PINE   10"   FAIR   PRESE   PRESERVED   148   WHITE PINE   10"   FAIR   PRESE   PRESERVED   150   WHITE PINE   11"   POOR   PRESER   PRESERVED   151   WHITE PINE   19"   GOOD   PRESE   PRESERVED   152   WHITE PINE   19"   GOOD   PRESE   PRESERVED   153   WHITE PINE   19"   GOOD   PRESE   PRESERVED   154   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   155   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   156   CRABAPPLE   14"   DEAD   REMOVED   156   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   160   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   160   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERV		135	NORWAY SPRUCE		FAIR	PRESE
PRESERVED   138   BLACK WALNUT   6"   GOOD   PRESE PRESERVED   140   CRABAPPLE   12"   FAIR   PRESE PRESERVED   140   CRABAPPLE   12"   FAIR   PRESE PRESERVED   141   CRABAPPLE   12"   FAIR   PRESE PRESERVED   142   Silver maple   26"   GOOD   PRESE   PRESERVED   143   WHITE ASH   6"   POOR   REMMOVED   144   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   145   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   147   WHITE PINE   13"   DEAD   REMMOVED   REMOVED   148   WHITE PINE   10"   FAIR   PRESE   PRESERVED   149   WHITE PINE   10"   FAIR   PRESE   PRESERVED   150   WHITE PINE   19"   FAIR   PRESE   PRESERVED   151   WHITE PINE   19"   FAIR   PRESE   PRESERVED   151   WHITE PINE   19"   FAIR   PRESE   PRESERVED   152   WHITE PINE   19"   FAIR   PRESE   PRESERVED   155   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   160   CRABAPPLE   14"   DEAD   REMMOVED   REMOVED   160   CRABAPPLE   14"   DEAD   REMMOVED   160   CRABAPPLE   14"   DEAD   REMMOVED   160   CRABAPPLE   14"   DEAD   REMMOVED   160   CRABAPPLE   14"   FAIR   PRESE   PRESERVED   160   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   160   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   160   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   170   NORWAY SPRUCE   13"   FAIR   PRESE   PR				_		PRESE
PRESERVED   139   silver maple   18"   GOOD   PRESE   REMOVED   141   CRABAPPLE   12"   POOR   PRESE   PRESERVED   142   silver maple   26"   GOOD   PRESE						
PRESERVED   141   CRABAPPLE   12"   POOR   PRESE   PRESERVED   142   SIIVER MADIE   26"   GOOD   PRESE   REMOVED   143   WHITE ASH   6"   POOR   REMM   REMOVED   144   CRABAPPLE   13"   POOR   REMM   REMOVED   145   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   147   WHITE PINE   13"   DEAD   REMM   PRESERVED   PRESERVED   149   WHITE PINE   10"   FAIR   PRESE   PRESERVED   149   WHITE PINE   11"   POOR   PRESERVED   PRESERVED   150   WHITE PINE   11"   POOR   PRESERVED   PRESERVED   151   WHITE PINE   19"   FAIR   PRESE   PRESERVED   151   WHITE PINE   19"   GOOD   PRESE   PRESERVED   154   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   155   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   156   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   155   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   156   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   160   CRABAPPLE   11"   DEAD   REMOVED   REMOVED   160   CRABAPPLE   13"   POOR   REMOVED   REMOVED   161   CRABAPPLE   13"   POOR   REMOVED   REMOVED   163   BLACK WALNUT   6"   POOR   REMOVED   REMOVED   164   CRABAPPLE   8"   POOR   REMOVED   REMOVED   165   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   168   BLACK WALNUT   11"   GOOD   PRESE   PRESERVED   168   BLACK WALNUT   11"   GOOD   PRESE   PRESERVED   170   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   171   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   172   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   174   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   175   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   177   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   178   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   179   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   170   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED				_		PRESE
PRESERVED   142   silver maple   26"   GOOD   PRESE   REMOVED   144   CRABAPPLE   13"   POOR   REMM   REMOVED   145   NORWAY SPRUCE   15"   FAIR   PRESE   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   147   WHITE PINE   13"   DEAD   REMW   PRESERVED   148   WHITE PINE   13"   DEAD   REMW   PRESERVED   149   WHITE PINE   13"   DEAD   REMW   PRESERVED   149   WHITE PINE   10"   FAIR   PRESE   REMOVED   150   WHITE PINE   11"   POOR   PRESERVED   PRESERVED   151   WHITE PINE   19"   FAIR   PRESE   PRESERVED   152   WHITE PINE   19"   FAIR   PRESE   PRESERVED   153   WHITE PINE   19"   GOOD   PRESE   PRESERVED   154   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   158   CRABAPPLE   14"   DEAD   REMW   PREMOVED   159   CRABAPPLE   14"   DEAD   REMW   PREMOVED   160   CRABAPPLE   14"   DEAD   REMW   PREMOVED   161   CRABAPPLE   14"   FAIR   REMW   PREMOVED   162   CRABAPPLE   14"   FAIR   REMW   PRESERVED   166   NORWAY SPRUCE   13"   POOR   REMW   REMOVED   162   CRABAPPLE   10"   FAIR   REMW   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   REMW   REMOVED   162   CRABAPPLE   10"   FAIR   REMW   REMOVED   165   NORWAY SPRUCE   14"   FAIR   PRESERVED   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   PRESERVED   167   NORWAY SPRUCE   14"   FAIR   PRESERVED   168   NORWAY SPRUCE   14"   FAIR   PRESERVED   170   NORWAY SPRUCE   14"   FAIR   PRESERVED   170   NORWAY SPRUCE   14"   FAIR   PRESERVED   171   NORWAY SPRUCE   14"   FAIR   PRESERVED   172   NORWAY SPRUCE   14"   FAIR   PRESERVED   173   NORWAY SPRUCE   14"   FAIR   PRESERVED   174   NORWAY SPRUCE   14"   FAIR   PRESERVED   175   NORWAY SPRUCE   14"   FAIR   PRESERVED   176   NORWAY SPRUCE   14"   FAIR   PRESERVED   176   NORWAY SPRUCE   15"   FAIR   PRESERVED   176   NORWAY SP	PRESERVED	140	CRABAPPLE			PRESE
REMOVED   143   WHITE ASH   6"   POOR   REMOVED   REMOVED   144   CRABAPPLE   13"   POOR   REMOVED   REMOVED   145   NORWAY SPRUCE   15"   FAIR   PRESE   FAIR   PRESE   PRESERVED   146   NORWAY SPRUCE   15"   FAIR   PRESER   PRESERVED   148   WHITE PINE   10"   FAIR   PRESER   PRESERVED   149   WHITE PINE   11"   POOR   PRESERVED   PRESERVED   150   WHITE PINE   11"   POOR   PRESER   PRESERVED   151   WHITE PINE   19"   FAIR   PRESER   PRESERVED   152   WHITE PINE   19"   GOOD   PRESER   PRESERVED   153   WHITE PINE   19"   GOOD   PRESER   PRESERVED   154   NORWAY SPRUCE   13"   FAIR   PRESER   PRESERVED   155   NORWAY SPRUCE   13"   FAIR   PRESER   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESER   PRESER   PRESERVED   156   CRABAPPLE   9"   POOR   REMOVED   PRESER   POOR   REMOVED   PRESER   POOR   REMOVED   RESERVED   REMOVED   REMOVED   RESERVED   REMOVED   RESERVED   REMOVED   RESERVED   REMOVED   RESERVED   RESERVED   RESERVED   REMOVED   RESERVED   RESERVED   RESERVED   REMOVED   RESERVED   RESERVE						PRESE
REMOVED   144   CRABAPPLE   13"   POOR   REMOVED   REMOVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   REMOVED   146   NORWAY SPRUCE   15"   FAIR   PRESE   REMOVED   147   WHITE PINE   13"   DEAD   REMOVED   REMOVED   148   WHITE PINE   10"   FAIR   PRESE   PRESERVED   149   WHITE PINE   23"   FAIR   PRESE   PRESERVED   150   WHITE PINE   19"   POOR   PRESE   PRESERVED   151   WHITE PINE   19"   FAIR   PRESE   PRESERVED   152   WHITE PINE   19"   GOOD   PRESE   REMOVED   153   WHITE PINE   14"   FAIR   PRESE   REMOVED   155   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PREMOVED   156   NORWAY SPRUCE   13"   FAIR   PRESE   PREMOVED   158   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   159   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   160   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   161   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   162   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   163   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   REMOVED   REMOVED   165   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   167   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   167   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   170   CRABAPPLE   8"   FAIR   PRESE   PRESERVED   170   CRABAPPLE   8"   FAIR   PRESE   PRESERVED   171   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   172   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   173   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   174   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   175   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   15"   FAIR   PRESE   150   NORWAY SPRUC			•			
REMOVED   146   NORWAY SPRUCE   15"						REMO
REMOVED	REMOVED	145			FAIR	PRESE
PRESERVED						
PRESERVED   149   WHITE PINE   23"   FAIR   PRESER PRESERVED   150   WHITE PINE   11"   POOR   PRESERVED   PRESERVED   151   WHITE PINE   19"   GOOD   PRESERVED   REMOVED   153   WHITE PINE   14"   FAIR   PRESER PRESERVED   154   NORWAY SPRUCE   11"   FAIR   PRESER PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESERVED   REMOVED   156   NORWAY SPRUCE   13"   FAIR   PRESER PRESERVED   156   NORWAY SPRUCE   13"   FAIR   PRESER PRESERVED   157   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   158   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   160   CRABAPPLE   14"   DEAD   REMOVED   REMOVED   161   CRABAPPLE   13"   POOR   REMOVED   REMOVED   162   CRABAPPLE   13"   POOR   REMOVED   REMOVED   163   BLACK WALNUT   6"   POOR   REMOVED   REMOVED   164   CRABAPPLE   8"   POOR   REMOVED   REMOVED   165   BLACK WALNUT   6"   GOOD   PRESER PRESERVED   REMOVED   166   NORWAY SPRUCE   14"   FAIR   PRESER PRESERVED   REMOVED   168   BLACK WALNUT   11"   GOOD   PRESER PRESERVED   169   NORWAY SPRUCE   14"   FAIR   PRESER PRESERVED   170   CRABAPPLE   8"   FAIR   PRESER PRESERVED   171   NORWAY SPRUCE   14"   FAIR   PRESER PRESERVED   172   NORWAY SPRUCE   13"   FAIR   PRESER PRESERVED   173   NORWAY SPRUCE   13"   FAIR   PRESER PRESERVED   174   NORWAY SPRUCE   13"   FAIR   PRESER PRESERVED   175   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   176   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   176   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   178   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   180   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   181   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   181   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   182   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   184   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   185   NORWAY SPRUCE   16"   FAIR   PRESER PRESERVED   186   NORWAY SPRUCE   16"   FAIR   PRESER P						
PRESERVED						PRESE
PRESERVED						PRESE
REMOVED						
REMOVED         155         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         156         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         157         CRABAPPLE         9"         POOR         REMO           REMOVED         158         CRABAPPLE         14"         DEAD         REMO           REMOVED         160         CRABAPPLE         11"         DEAD         REMO           REMOVED         161         CRABAPPLE         11"         FAIR         REMO           REMOVED         162         CRABAPPLE         10"         FAIR         REMO           REMOVED         163         BLACK WALNUT         6"         POOR         REMO           REMOVED         166         KORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         167         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         170         CRABAPPLE         8"         FAIR         PRESE           PRESERVED         171         NORWAY SPRUCE         13"         FAIR <td></td> <td></td> <td></td> <td></td> <td></td> <td>PRESE</td>						PRESE
REMOVED         156         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         157         CRABAPPLE         9"         POOR         REMM           REMOVED         158         CRABAPPLE         14"         DEAD         REMM           REMOVED         159         CRABAPPLE         11"         DEAD         REMM           REMOVED         160         CRABAPPLE         11"         DEAD         REMM           REMOVED         162         CRABAPPLE         13"         POOR         REMM           REMOVED         162         CRABAPPLE         13"         POOR         REMM           REMOVED         164         CRABAPPLE         8"         POOR         REMM           REMOVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           PRESERVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         15"         FAIR			NORWAY SPRUCE		FAIR	PRESE
REMOVED	_					PRESE
SEMOVED						
REMOVED   160   CRABAPPLE   14"   FAIR   REMOWED   161   CRABAPPLE   13"   POOR   REMOWED   162   CRABAPPLE   10"   FAIR   REMOWED   163   BLACK WALNUT   6"   POOR   REMOWED   164   CRABAPPLE   8"   POOR   REMOWED   165   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   168   BLACK WALNUT   11"   GOOD   PRESE   REMOVED   170   CRABAPPLE   8"   FAIR   PRESE   PRESERVED   171   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   172   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   174   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   175   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   9"   POOR   PRESERVED   PRESERVED   178   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   178   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   178   NORWAY SPRUCE   15"   FAIR   PRESE   PRESERVED   178   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   180   CRABAPPLE   7"   POOR   REMOVED   181   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   182   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   184   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   185   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   186   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   186   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   186   NORWAY SPRUCE   18"   GOOD   PRESE   PRESERVED   187   NORWAY SPRUCE   18"   GOOD   PRESE   PRESERVED   188   BLACK WALNUT   7"   FAIR   PRESE   PRESERVED   189   BLACK WALNUT   7"   FAIR   PRESE   PRESERVED   190   BLACK WALNUT   7"   FAIR   PRESE   PRESERVED   191   BLACK WALNUT   7"   FAIR   REMOVED   PRESERVED   194   BLACK WALNUT   7"   GOOD   REMOVED   PRESERVED   195   BLACK WALNUT   13"   GOOD   PRESE   PRESERVED   196   BLACK WALNUT   7"   GOOD   PRESE   PRESERVED   196   BLACK WALNUT   13"   GOOD   PRESE   PRESERVED   197   BLACK WALNUT   13"   GOOD   PRESE   PRESERVED   198   NORWAY SPRUCE   16"   FAIR   REMOVED   PRESERVED   199   NORWAY SPRUCE   16"   FAIR   REMOVED						REMO
REMOVED         161         CRABAPPLE         13"         POOR         REMOVED           REMOVED         163         BLACK WALNUT         6"         POOR         REMOVED           REMOVED         164         CRABAPPLE         8"         POOR         REMOVED           REMOVED         165         BLACK WALNUT         6"         GOOD         PRESERVED           PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         174         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         175         NORWAY SPRUCE         15" </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>REMO</td>						REMO
REMOVED   REMOVED   163   BLACK WALNUT   6"   POOR   REMOVED   164   CRABAPPLE   8"   POOR   REMOVED   165   BLACK WALNUT   6"   GOOD   PRESE   PRESERVED   166   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   167   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   169   NORWAY SPRUCE   15"   FAIR   PRESE   PREMOVED   170   CRABAPPLE   8"   FAIR   PRESE   PREMOVED   171   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   172   NORWAY SPRUCE   13"   FAIR   PRESE   PRESERVED   174   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   175   NORWAY SPRUCE   14"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   10"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   10"   FAIR   PRESE   PRESERVED   176   NORWAY SPRUCE   10"   FAIR   PRESE   PRESERVED   PRESERVED   178   NORWAY SPRUCE   11"   FAIR   PRESE   PRESERVED   180   CRABAPPLE   7"   POOR   REMOVED   REMOVED   181   NORWAY SPRUCE   13"   FAIR   PRESE   NORWAY SPRUCE   10"						
REMOVED         164         CRABAPPLE         8"         POOR         REMOVED           PRESERVED         165         BLACK WALNUT         6"         GOOD         PRESE           PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         167         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         20"         FAIR         PRESE           REMOVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         178         NORWAY SPRUCE <td< td=""><td></td><td></td><td></td><td></td><td></td><td>REMO</td></td<>						REMO
REMOVED		163			POOR	REMO
PRESERVED         166         NORWAY SPRUCE         14"         FAIR         PRESER           PRESERVED         167         NORWAY SPRUCE         14"         FAIR         PRESE           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           REMOVED         169         NORWAY SPRUCE         15"         FAIR         PRESE           REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           PRESERVED         175         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         178         NORWAY SPRUCE         11"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         11"         FAIR         PRESE           PRESERVED         181         NORWAY SPRUCE						REMO
PRESERVED         167         NORWAY SPRUCE         14"         FAIR         PRESER           PRESERVED         168         BLACK WALNUT         11"         GOOD         PRESE           PRESERVED         169         NORWAY SPRUCE         15"         FAIR         PRESE           REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           REMOVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         9"         POOR         PRESE           PRESERVED         176         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         21"         GOOD         PRESE           PRESERVED         181         NORWAY SPRUCE						
PRESERVED         169         NORWAY SPRUCE         15"         FAIR         PRESERVED           REMOVED         170         CRABAPPLE         8"         FAIR         PRESER           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESER           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           REMOVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         9"         POOR         PRESE           PRESERVED         176         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         11"         FAIR         PRESE           PRESERVED         180         CRABAPPLE         7"         POOR         REMO           PRESERVED         180         CRABAPPLE         7"         POOR         REMO           PRESERVED         181         NORWAY SPRUCE						PRESE
REMOVED         170         CRABAPPLE         8"         FAIR         PRESE           REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           PRESERVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         175         NORWAY SPRUCE         9"         POOR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         178         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         178         NORWAY SPRUCE         11"         FAIR         PRESE           PRESERVED         180         CRABAPPLE         7"         POOR         REMO           PRESERVED         181         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         184         NORWAY SPRUCE <t< td=""><td></td><td></td><td></td><td></td><td></td><td>PRESE</td></t<>						PRESE
REMOVED         171         NORWAY SPRUCE         13"         FAIR         PRESE           REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           PRESERVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         175         NORWAY SPRUCE         9"         POOR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         177         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         11"         FAIR         PRESE           PRESERVED         179         NORWAY SPRUCE         21"         GOOD         PRESE           PRESERVED         180         CRABAPPLE         7"         POOR         REMO           PRESERVED         181         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         184         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         186         NORWAY SPRUCE						
REMOVED         172         NORWAY SPRUCE         14"         FAIR         PRESE           REMOVED         173         BLACK WALNUT         9"         FAIR         PRESE           PRESERVED         174         NORWAY SPRUCE         20"         FAIR         PRESE           PRESERVED         175         NORWAY SPRUCE         9"         POOR         PRESE           PRESERVED         176         NORWAY SPRUCE         16"         FAIR         PRESE           PRESERVED         177         NORWAY SPRUCE         15"         FAIR         PRESE           PRESERVED         178         NORWAY SPRUCE         21"         GOOD         PRESE           PRESERVED         179         NORWAY SPRUCE         21"         GOOD         PRESE           PRESERVED         180         CRABAPPLE         7"         POOR         REMO           PRESERVED         181         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         182         NORWAY SPRUCE         13"         FAIR         PRESE           PRESERVED         184         NORWAY SPRUCE         10"         FAIR         PRESE           PRESERVED         186         NORWAY SPRUCE						PRESE
PRESERVED PRESER		172	NORWAY SPRUCE	14"		PRESE
PRESERVED PRESER						PRESE
PRESERVED PRESER						
PRESERVED REMOVED REMOVED PRESERVED						PRESE
PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED REMOVED REMOVED PRESERVED	PRESERVED	177	NORWAY SPRUCE	15"	FAIR	PRESE
PRESERVED PRESERVED PRESERVED 181 NORWAY SPRUCE 13" FAIR PRESE PREMOVED REMOVED REMOVED REMOVED 183 NORWAY SPRUCE 13" GOOD PRESE PRESERVED PRESERVED 184 NORWAY SPRUCE 10" FAIR PRESE PRESERVED PRESERVED 185 NORWAY SPRUCE 13" FAIR PRESE PRESERVED PRESERVED 186 NORWAY SPRUCE 18" GOOD PRESE PRESERVED 187 NORWAY SPRUCE 8" POOR REMO PRESERVED 188 BLACK WALNUT 13" FAIR PRESE PRESERVED 189 BLACK WALNUT 7" POOR REMO PRESERVED 190 BLACK WALNUT 7" FAIR REMO PRESERVED 191 BLACK WALNUT 7" FAIR REMO PRESERVED 192 BLACK WALNUT 7" FAIR REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD REMO PRESERVED 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE PRESERVED 197 BLACK WALNUT 11" FAIR PRESE 198 NORWAY SPRUCE 12" FAIR REMO PRESERVED 199 NORWAY SPRUCE 16" FAIR REMO						PRESE
PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED PRESERVED PR						
REMOVED REMOVED REMOVED 184 NORWAY SPRUCE 10" FAIR PRESE PRESERVED PRESERVED 185 NORWAY SPRUCE 13" FAIR PRESE PRESERVED 186 NORWAY SPRUCE 18" GOOD PRESE PRESERVED 187 NORWAY SPRUCE 8" POOR REMO PRESERVED 188 BLACK WALNUT 13" FAIR PRESE PRESERVED 189 BLACK WALNUT 7" POOR REMO PRESERVED 190 BLACK WALNUT 7" FAIR REMO PRESERVED 191 BLACK WALNUT 7" FAIR REMO PRESERVED 192 BLACK WALNUT 6" GOOD REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD REMO PRESERVED 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE 197 BLACK WALNUT 13" GOOD PRESE 198 BLACK WALNUT 13" FAIR PRESE 199 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO						PRESE
REMOVED PRESERVED PRESERVE						PRESE
PRESERVED PRESERVED 185 NORWAY SPRUCE 13" FAIR PRESE 186 NORWAY SPRUCE 18" GOOD PRESE PRESERVED PRESERVED 187 NORWAY SPRUCE 8" POOR REMO PRESERVED 188 BLACK WALNUT 13" FAIR PRESE PRESERVED 189 BLACK WALNUT 7" POOR REMO PRESERVED 190 BLACK WALNUT 7" FAIR REMO PRESERVED 191 BLACK WALNUT 7" FAIR REMO PRESERVED 192 BLACK WALNUT 6" GOOD REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD PRESE PRESERVED 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE PRESERVED 197 BLACK WALNUT 11" FAIR PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO PRESERVED 199 NORWAY SPRUCE 16" FAIR REMO						PRESE
PRESERVED PRESER						PRESE
PRESERVED PRESERVED 188 BLACK WALNUT 13" FAIR PRESERVED PRESERVED 190 BLACK WALNUT 7" FAIR REMO PRESERVED 191 BLACK WALNUT 7" FAIR REMO PRESERVED 192 BLACK WALNUT 6" GOOD REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD REMO PRESERVED 195 BLACK WALNUT 6" GOOD PRESE PRESERVED 196 BLACK WALNUT 7" GOOD PRESE 197 BLACK WALNUT 13" GOOD PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO				18"	GOOD	PRESE
PRESERVED PRESERVED 190 BLACK WALNUT 7" FAIR REMO PRESERVED 191 BLACK WALNUT 7" FAIR REMO PRESERVED 192 BLACK WALNUT 6" GOOD REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD PRESE PRESERVED 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE PRESERVED 197 BLACK WALNUT 13" FAIR PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO PRESERVED 199 NORWAY SPRUCE 16" FAIR REMO PRESE PRESERVED						REMO
PRESERVED PRESERVED 190 BLACK WALNUT 7" FAIR REMO 191 BLACK WALNUT 7" FAIR REMO 192 BLACK WALNUT 6" GOOD REMO 193 BLACK WALNUT 6" GOOD REMO 194 BLACK WALNUT 6" GOOD REMO 195 BLACK WALNUT 7" GOOD PRESE 196 BLACK WALNUT 7" GOOD PRESE 197 BLACK WALNUT 13" GOOD PRESE 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO						
PRESERVED PRESERVED 191 BLACK WALNUT 7" FAIR REMO 192 BLACK WALNUT 6" GOOD REMO PRESERVED 193 BLACK WALNUT 6" GOOD REMO PRESERVED 194 BLACK WALNUT 6" GOOD REMO 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE 197 BLACK WALNUT 11" FAIR PRESE 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO						REMO
PRESERVED PRESERVED 193 BLACK WALNUT 6" GOOD REMO 194 BLACK WALNUT 6" GOOD REMO 195 BLACK WALNUT 7" GOOD PRESE 196 BLACK WALNUT 13" GOOD PRESE 197 BLACK WALNUT 11" FAIR PRESE 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO	PRESERVED		BLACK WALNUT	7"		REMO
PRESERVED PRESERVED 194 BLACK WALNUT 6" GOOD REMO 195 BLACK WALNUT 7" GOOD PRESE PRESERVED 196 BLACK WALNUT 13" GOOD PRESE REMOVED 197 BLACK WALNUT 11" FAIR PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO						REMO
PRESERVED 195 BLACK WALNUT 7" GOOD PRESE 196 BLACK WALNUT 13" GOOD PRESE REMOVED 197 BLACK WALNUT 11" FAIR PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO 199 NORWAY SPRUCE 16" FAIR REMO						REMO
REMOVED 197 BLACK WALNUT 11" FAIR PRESE PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO PRESERVED 199 NORWAY SPRUCE 16" FAIR REMO						PRESE
PRESERVED 198 NORWAY SPRUCE 12" FAIR REMO						PRESE
PRESERVED 199 NORWAY SPRUCE 16" FAIR REMO						PRESE REMC
200 NORWAY SPRUCE 11" POOR REMO						REMO
		200	NORWAY SPRUCE	11"	POOR	REMO

	EV	ISTING THEE I	ICT	
ATUS	TRE #	SPECIES	SIZE	CONDITION
MOVED	201		18"	FAIR
MOVED MOVED	202		11" 14"	FAIR FAIR
MOVED	204		15"	FAIR
SERVED	205		14"	FAIR
MOVED	206		14"	FAIR
SERVED IOVED	207 208		11" 9"	POOR DEAD
ERVED	209		10"	POOR
ERVED	210	NORWAY SPRUCE	13"	FAIR
ERVED	211		13"	FAIR
ERVED ERVED	212 213		10" 12"	FAIR FAIR
ERVED	214		9"	POOR
ERVED	215		16"	FAIR
ERVED	216		11"	POOR
ERVED ERVED	217 218		20" 14"	FAIR FAIR
OVED	219		16"	FAIR
ERVED	220		9"	POOR
ERVED ERVED	221		15" 19"	FAIR
OVED	222		20"	FAIR FAIR
OVED	224		11"	FAIR
OVED	225		26"	POOR
OVED	226		13"	DEAD
OVED OVED	227 228		15" 20"	FAIR FAIR
OVED	229		10"	FAIR
OVED	230		31"	GOOD
ERVED	231		7"	POOR
ERVED	232		37"	FAIR
ERVED ERVED	233		12" 15"	FAIR FAIR
ERVED	235		14"	FAIR
ERVED	236	BLACK WALNUT	6"	FAIR
ERVED	237		12"	FAIR
ERVED ERVED	238		18" 15"	POOR FAIR
ERVED	240		12"	FAIR
ERVED	241	NORWAY SPRUCE	7"	VERY POOR
ERVED	242		11"	FAIR
ERVED OVED	243 244		12" 14"	FAIR FAIR
OVED	244		17"	GOOD
ERVED	246	NORWAY SPRUCE	10"	FAIR
ERVED	247		9"	FAIR
OVED ERVED	248		8" 11"	FAIR FAIR
RVED	250		8"	FAIR
ERVED	251		8"	FAIR
ERVED	252		7"	FAIR
ERVED ERVED	253 254		10" 12"	FAIR FAIR
ERVED	254 255		12"	FAIR
ERVED	256		6"	DEAD
RVED	257		9"	FAIR
OVED	258		9" 9"	POOR
OVED OVED	259 260		20"	FAIR POOR
OVED	261		10"	FAIR
OVED	262	NORWAY SPRUCE	10"	FAIR
VED	263		14"	FAIR
OVED	264 265		13" 16"	FAIR FAIR
OVED RVED	265		16" 8"	FAIR
RVED	267		11"	FAIR
RVED	268	NORWAY SPRUCE	19"	GOOD
RVED	269		11"	FAIR
RVED	270		16" 9"	FAIR
RVED RVED	271 272		9"	FAIR FAIR
RVED	273		11"	FAIR
RVED	274		11"	FAIR
RVED	275		15"	GOOD
ERVED	276		12"	POOR
ERVED ERVED	277 278		10" 12"	FAIR GOOD
ERVED	278		6"	POOR
ERVED	280		18"	GOOD
OVED	281	NORWAY SPRUCE	14"	GOOD
ERVED	282		21"	GOOD
RVED	283		45"	FAIR
RVED RVED	284 285		25" 25"	VERY POOR DEAD
RVED	286		25"	DEAD
RVED	287		17"	DEAD
OVED	288		7"	GOOD
RVED	289		46"	FAIR
OVED	290		48"	FAIR
VED	291		10"	FAIR
VED VED	292 293		30" 12"	FAIR FAIR
VED	293		23"	DEAD
VED	295		40"	DEAD
RVED	296		27"	VERY POOR
RVED	297		24"	VERY POOR
RVED	298 299		23" 42"	FAIR FAIR
VED	300		15"	GOOD
VED	301	NORWAY SPRUCE	11"	POOR

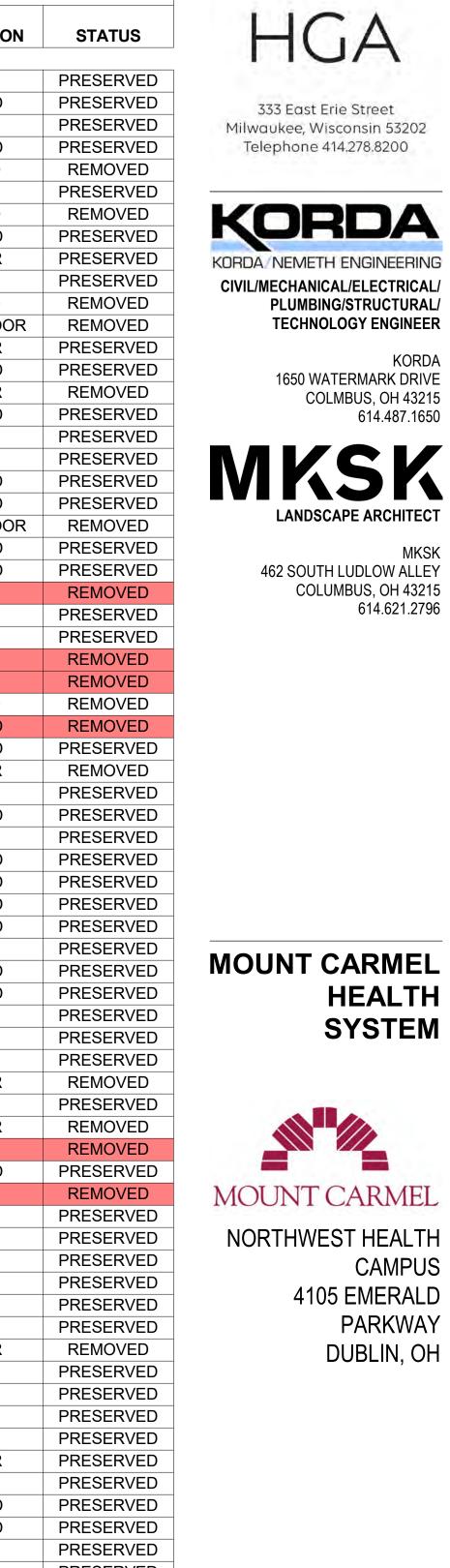
301 NORWAY SPRUCE 11" POOR

PRESERVED

TREE				
#	SPECIES	SIZE	CONDITION	STATUS
302	NORWAY SPRUCE	15"	FAIR	PRESERVED
303	BLACK WALNUT	10"	GOOD	PRESERVED
304	NORWAY SPRUCE	17"	FAIR	PRESERVED
305	BLACK WALNUT	8"	GOOD	PRESERVED
306	BLACK CHERRY	24"	DEAD	REMOVED
307	RED MULBERRY	11"	FAIR	PRESERVED
308	BLACK CHERRY	8"	DEAD	REMOVED
309	RED MULBERRY	14"	GOOD	PRESERVED
310	RED MULBERRY	21"	POOR	PRESERVED
311	RED MULBERRY	15"	FAIR	PRESERVED
312	WHITE ASH	18"	DEAD	REMOVED
313	RED BUD	11"	VERY POOR	REMOVED
314	RED MULBERRY	16"	POOR	PRESERVED
315	TULIP TREE	20"	GOOD	PRESERVED
316	RED MULBERRY	6"	POOR	REMOVED
317	WHITE PINE	16"	GOOD	PRESERVED
318	WHITE PINE	11"	FAIR	PRESERVED
319	RED MULBERRY	11"	FAIR	PRESERVED
320	WHITE PINE	17"	GOOD	PRESERVED
321	WHITE PINE	19"	GOOD	PRESERVED
322	RED MULBERRY	15"	VERY POOR	REMOVED
323	BLACK WALNUT	12"	GOOD	PRESERVED
324	BLACK WALNUT	9"	GOOD	PRESERVED
325	BLACK WALNUT	11"	FAIR	REMOVED
326	NORWAY SPRUCE	20"	FAIR	PRESERVED
327	NORWAY SPRUCE	22"	FAIR	PRESERVED
328	BLACK WALNUT	12"	FAIR	REMOVED
329	NORWAY SPRUCE	20"	FAIR	REMOVED
330	BOXELDER	7"	DEAD	REMOVED
331	BLACK WALNUT	10"	GOOD	REMOVED
332	BLACK WALNUT	8"	GOOD	PRESERVED
333	RED MULBERRY	10"	POOR	REMOVED
334	RED MULBERRY	12"	FAIR	PRESERVED
335	CHINKADINI OAK	24"	GOOD	PRESERVE

	302	NORWAY SPRUCE	15"	FAIR	PRESERVED
	303	BLACK WALNUT	10"	GOOD	PRESERVED
	304	NORWAY SPRUCE	17"	FAIR	PRESERVED
	305	BLACK WALNUT	8"	GOOD	PRESERVED
	306	BLACK CHERRY	24"	DEAD	REMOVED
	307	RED MULBERRY	11"	FAIR	PRESERVED
	308	BLACK CHERRY	8"	DEAD	REMOVED
	309	RED MULBERRY	14"	GOOD	PRESERVED
	310	RED MULBERRY	21"	POOR	PRESERVED
	311	RED MULBERRY	15"	FAIR	PRESERVED
	312	WHITE ASH	18"	DEAD	REMOVED
	313	RED BUD	11"	VERY POOR	REMOVED
	314	RED MULBERRY	16"	POOR	PRESERVED
	315	TULIP TREE	20"	GOOD	PRESERVED
	316	RED MULBERRY	6"	POOR	REMOVED
	317	WHITE PINE	16"	GOOD	PRESERVED
	318	WHITE PINE	11"	FAIR	PRESERVED
	319	RED MULBERRY	11"	FAIR	PRESERVED
	320	WHITE PINE	17"	GOOD	PRESERVED
	321	WHITE PINE	19"	GOOD	PRESERVED
	322	RED MULBERRY	15"	VERY POOR	REMOVED
	323	BLACK WALNUT	12"	GOOD	PRESERVED
	324	BLACK WALNUT	9"	GOOD	PRESERVED
	325	BLACK WALNUT	11"	FAIR	REMOVED
	326	NORWAY SPRUCE	20"	FAIR	PRESERVED
	327	NORWAY SPRUCE	22"	FAIR	PRESERVED
	328	BLACK WALNUT	12"	FAIR	REMOVED
	329	NORWAY SPRUCE	20"	FAIR	REMOVED
	330	BOXELDER	7"	DEAD	REMOVED
	331	BLACK WALNUT	10"	GOOD	REMOVED
	332	BLACK WALNUT	8"	GOOD	PRESERVED
	333	RED MULBERRY	10"	POOR	REMOVED
	334	RED MULBERRY	12"	FAIR	PRESERVED
	335	CHINKAPIN OAK	24"	GOOD	PRESERVED
	336	BLACK WALNUT	9"	FAIR	PRESERVED
	337	CHINKAPIN OAK	12"	GOOD	PRESERVED
	338	BLACK WALNUT	6"	GOOD	PRESERVED
	339	CHINKAPIN OAK	6"	GOOD	PRESERVED
	340	BLACK WALNUT	6"	GOOD	PRESERVED
	341	BLACK WALNUT	10"	FAIR	PRESERVED
- 1	341	BLACK WALING	10	FAIN	PRESERVED
	242		40"	COOD	DDECEDVED
	342	BLACK WALNUT	10"	GOOD	PRESERVED
	343	CHINKAPIN OAK	7"	GOOD	PRESERVED
	343 344	CHINKAPIN OAK BLACK WALNUT	7" 7"	GOOD FAIR	PRESERVED PRESERVED
	343 344 345	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT	7" 7" 7"	GOOD FAIR FAIR	PRESERVED PRESERVED PRESERVED
	343 344 345 346	CHINKAPIN OAK BLACK WALNUT	7" 7" 7" 8"	GOOD FAIR	PRESERVED PRESERVED
	343 344 345	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT	7" 7" 7"	GOOD FAIR FAIR	PRESERVED PRESERVED PRESERVED
	343 344 345 346	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY	7" 7" 7" 8"	GOOD FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED
	343 344 345 346 347	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK	7" 7" 7" 8" 9"	GOOD FAIR FAIR FAIR POOR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED
	343 344 345 346 347 348	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY	7" 7" 7" 8" 9" 6"	GOOD FAIR FAIR FAIR POOR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY	7" 7" 7" 8" 9" 6"	GOOD FAIR FAIR FAIR POOR FAIR POOR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED
	343 344 345 346 347 348 349 350	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM	7" 7" 7" 8" 9" 6" 7"	GOOD FAIR FAIR FAIR POOR FAIR POOR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED REMOVED
	343 344 345 346 347 348 349 350 351	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK	7" 7" 7" 8" 9" 6" 7" 10"	GOOD FAIR FAIR FAIR POOR FAIR POOR FAIR POOR FAIR GOOD	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK	7" 7" 7" 8" 9" 6" 7" 10" 7"	GOOD FAIR FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY	7" 7" 8" 9" 6" 7" 10" 7"	GOOD FAIR FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED PRESERVED PRESERVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR	7" 7" 7" 8" 9" 6" 7" 10" 7" 7"	GOOD FAIR FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY	7" 7" 8" 9" 6" 7" 10" 7" 7" 7" 21"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY	7" 7" 8" 9" 6" 7" 10" 7" 7" 7" 16"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY	7" 7" 8" 9" 6" 7" 10" 7" 7" 7" 16" 12"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY BLACK CHERRY	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 21" 16" 12" 6"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY BLACK CHERRY	7" 7" 8" 9" 6" 6" 7" 7" 7" 7" 7" 7" 6" 8"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8" 11"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY BLACK CHERRY	7" 7" 8" 9" 6" 6" 7" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8" 11" 7"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 16" 12" 6" 8" 11" 7" 6"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365	CHINKAPIN OAK BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8" 11" 7" 6" 21"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366	CHINKAPIN OAK BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR RED MULBERRY	7" 7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8" 11" 7" 6" 21" 10"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED REMOVED PRESERVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367	CHINKAPIN OAK BLACK WALNUT BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY FLOWERING PEAR RED MULBERRY RED MULBERRY	7" 7" 8" 9" 6" 7" 7" 7" 7" 7" 7" 16" 12" 6" 8" 11" 11" 7" 6" 21" 10" 12"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED REMOVED PRESERVED
	343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368	CHINKAPIN OAK BLACK WALNUT RED MULBERRY CHINKAPIN OAK BLACK CHERRY HACKBERRY AMERICAN ELM CHINKAPIN OAK CHINKAPIN OAK FLOWERING PEAR HACKBERRY HACKBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY BLACK CHERRY BLACK CHERRY FLOWERING PEAR RED MULBERRY RED MULBERRY RED MULBERRY FLOWERING PEAR RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY RED MULBERRY	7" 7" 8" 9" 6" 6" 7" 7" 7" 7" 7" 21" 16" 12" 6" 8" 11" 7" 6" 21" 10" 12" 8"	GOOD FAIR FAIR POOR FAIR POOR FAIR GOOD FAIR FAIR FAIR FAIR FAIR FAIR FAIR FAIR	PRESERVED PRESERVED PRESERVED REMOVED REMOVED REMOVED REMOVED PRESERVED
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393 RED MULBERRY 19"



COLMBUS, OH 43215 614.487.1650

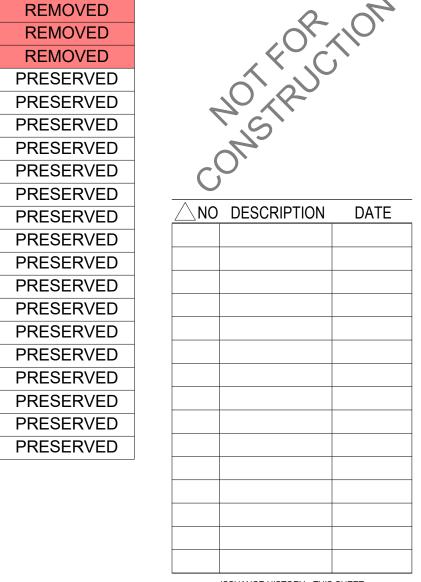
**HEALTH** 

**SYSTEM** 

CAMPUS

PARKWAY

DUBLIN, OH



HGA NO: 1927-004-00

TREE PRESERVATION =

DATE: SEPTEMBER 06, 2022

& REPLACEMENT

FINAL DEVELOPMENT

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 INCLUD	ED IN REPLACEMENT CALCULATIONS

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

EXISTING TREE TO BE

REMOVED AND COUNTED TOWARD

REPLACEMENT

TREE PRESERVATION & REMOVAL LEGEND

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

EXISTING TREE TO

BE REMOVED



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



NORTHWEST HEALTH
CAMPUS
4105 EMERALD
PARKWAY
DUBLIN, OH

NO DESCRIPTION DATE

NO DESCRIPTION DATE

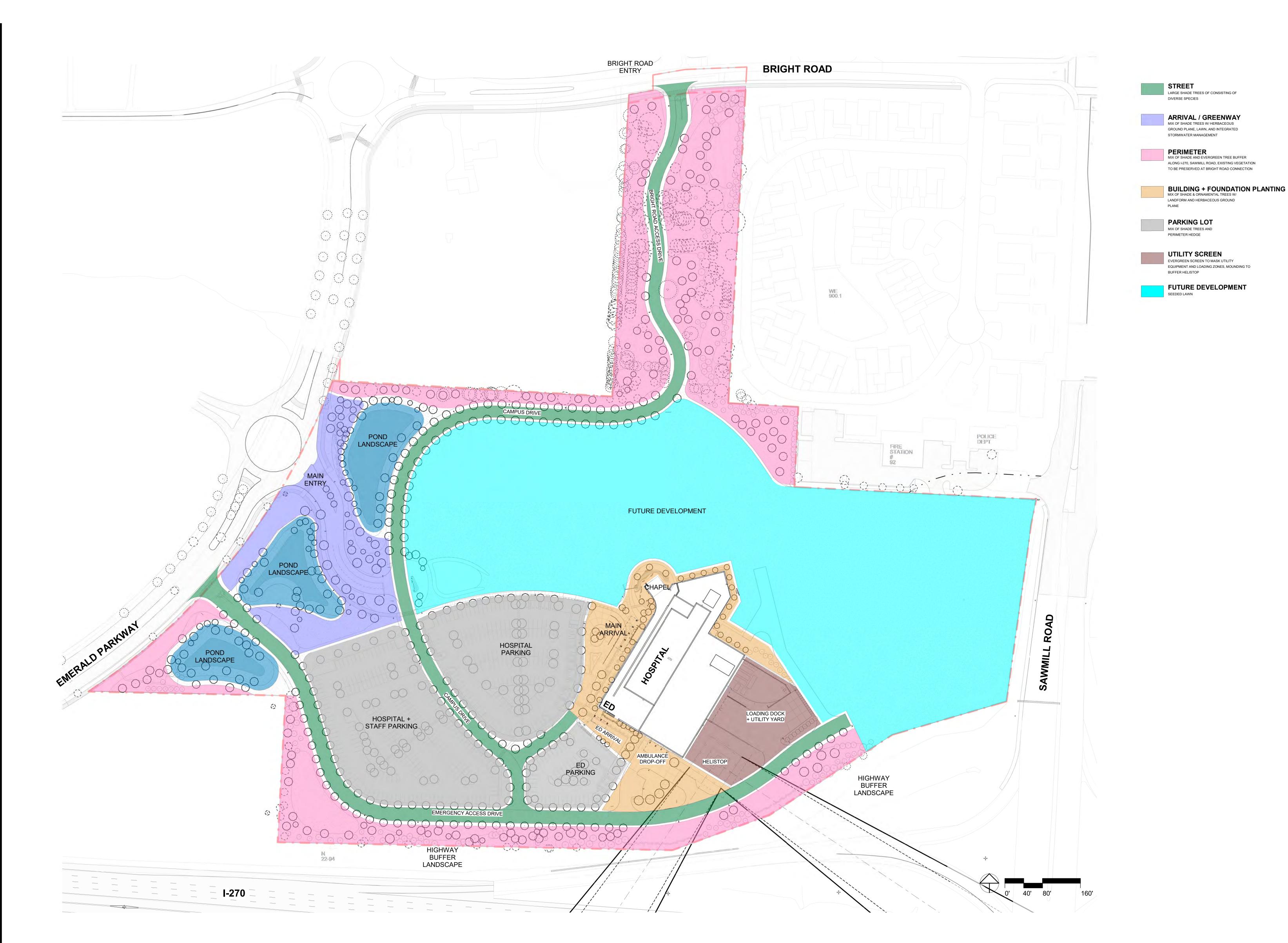
HGA NO: 1927-004-00

PRESERVATION & REPLACEMENT

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT PLAN

L005



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



PARKWAY

DUBLIN, OH

NO DESCRIPTION DATE

NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

PLANTING NEW CHARACTER

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT
PLAN

1006

#### 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
		-				

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**

**PLANTING NOTES** 

LANDSCAPE ARCHITECT.

REQUIREMENTS.

INSTALLATION.

FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE.

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	LTY						
P22	Paeonia lactiflora 'Paul M. Wild'	Paul M. Wild Double Peony	#3 CONT	CLUMP	PER PLAN	50% EACH VARIETY	9

1. SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. SUBSTITUTIONS FOR PLANT MATERIALS WILL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE

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

HANDLE TREES WITH NYLON STRAPS. NO CHAINS OR CABLES WILL BE ALLOWED. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.

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

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

10. PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS OF THE AREA TO

11. REMOVE PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE

4. PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.

OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.

8. ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".

ASSURE COMPLETE SURVIVABILITY OF PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT.

12. PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION AND MAINTAINED WEED FREE THROUGH FINAL ACCEPTANCE.

7. REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS, GUYING AND STAKING, MULCHING, AND OTHER PLANTING

MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE.

#### **SCHEDULE - GROUNDCOVERS AND PERENNIALS**

CODE	BOTANICAL NAME	COMMON NAME	DETAIL	SECTION	CONDITION	SPACING	PLANT QUANTITY
A N IN II I A I O							
ANNUALS			1				
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	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'	'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
TURF & MEADO\	N					
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

### MAINTENANCE

- A. Maintenance by Contractor:
- Maintenance Bond is required for this scope of work.
   Maintenance begins upon the Landscape Architect's
- 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.
- . 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.

NATIVE SEED AND NO MOW TURF MAINTENANCE

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. 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.

- 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 as
- 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.
- 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 responsibility of the

### Second year: (Contractor Responsibility)

contractor.

- 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.

  3. 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) the entire site.

## 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)

the entire site.

HGA

333 East Erie Street

KORDA

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TECHNOLOGY ENGINEER

KORDA

1650 WATERMARK DRIVE

COLMBUS, OH 43215

PLUMBING/STRUCTURAL

614.487.1650

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



AND DESCRIPTION DA

NO DESCRIPTION DATE

HGA NO: 1927-004-00

PLANTING NOTES AND SCHEDULE

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022

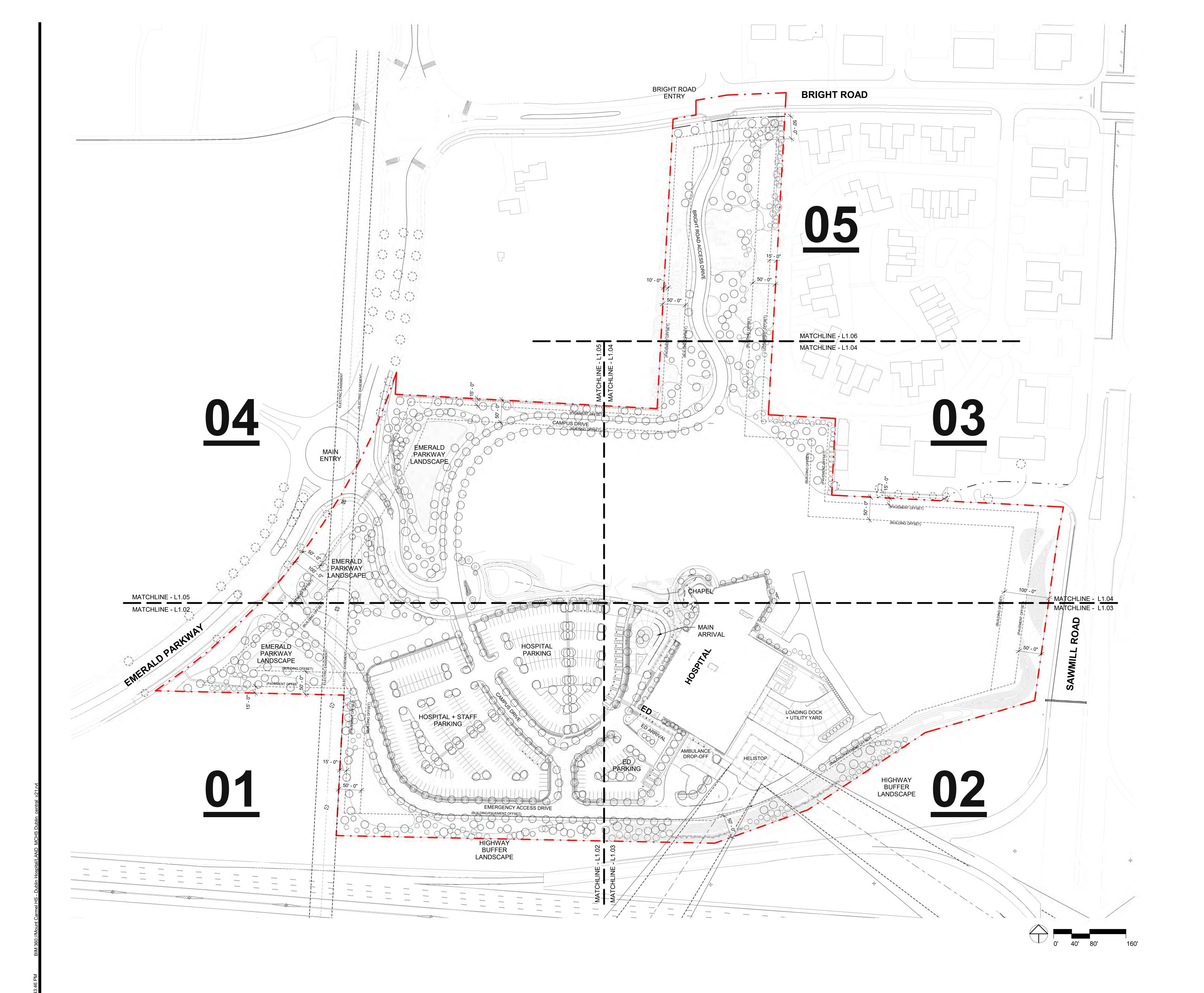
FINAL DEVELOPMENT

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KORDA NEMETH ENGINEERING
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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



NORTHWEST HEALTH
CAMPUS
4105 EMERALD
PARKWAY
DUBLIN, OH

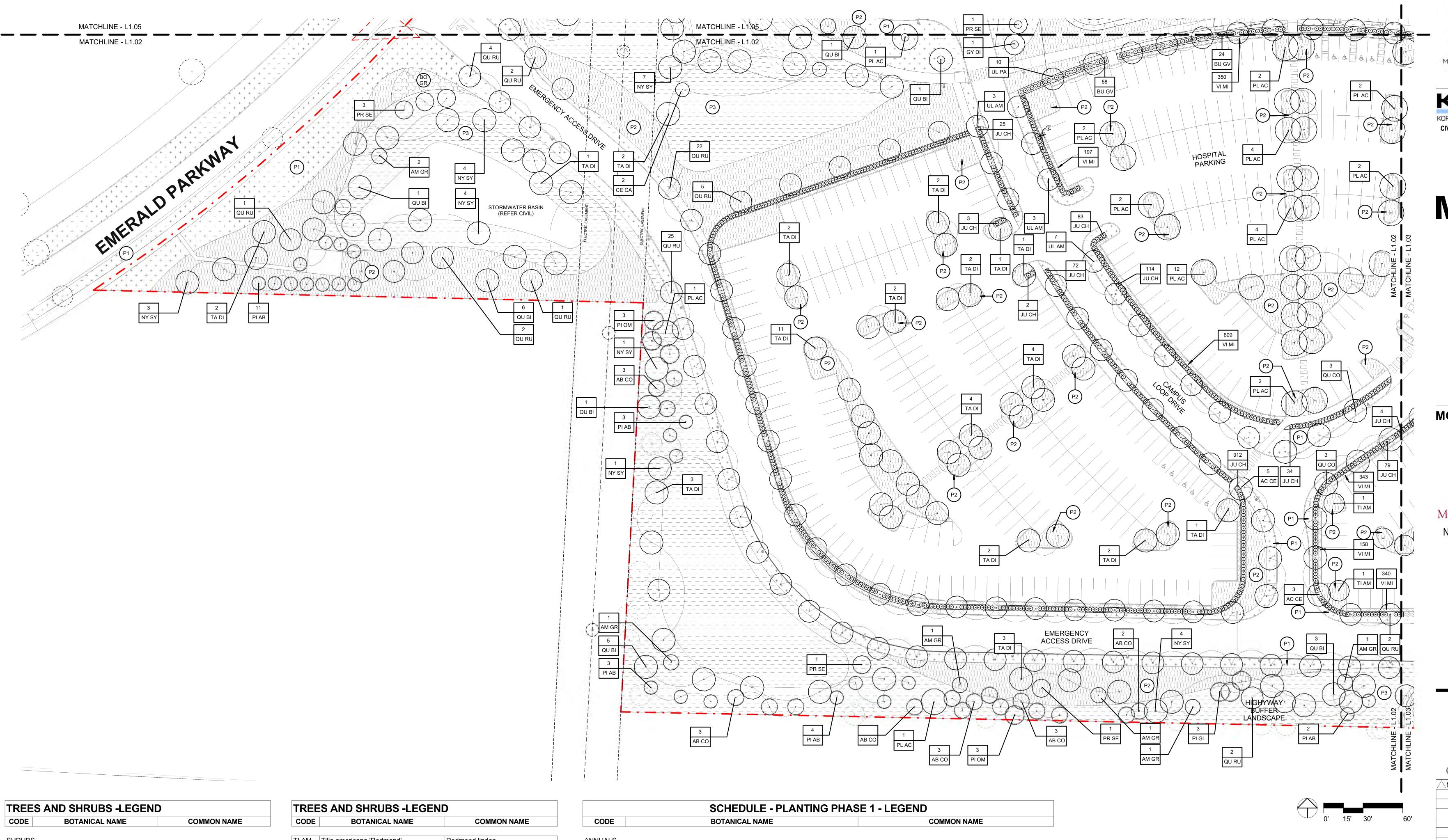


PLANTING KEY PLAN

HGA NO: 1927-004-00

DATE: SEPTEMBER 06, 2022
FINAL DEVELOPMENT

L1.01



CODE	BOTANICAL NAME	COMMON NAME
SHRUB	S	
BU GV	Buxus x 'Green Velvet'	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'

TI AM	Tilia americana 'Redmond'	Redmond linden	
UL AM	Ulmus americana 'Princeton'	Princeton Elm	
UL PA	Ulmus parvifolia	Lacebark elm	
	BS & SPECIALTY PLANT		
BULE CODE	BS & SPECIALTY PLANT BOTANICAL NAME	TING -LEGEND  COMMON NAME	
BULBS			

Paul M. Wild Double Peony

'Sailboat'

P22 Paeonia lactiflora 'Paul M. Wild'

SPECIALTY

CODE	BOTANICAL NAME	COMMON NAME	
JODL	BOTATIOAL ITAINL	OCIMINON 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	
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 Mix	
P4	Mixed-Height Prairie Seed Mix	Prairie Moon Nursery Mixed-Height Prairie Seed Mix	

HGA

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MKSK

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL HEALTH SYSTEM



NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

AND DESCRIPTION DATE

△NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

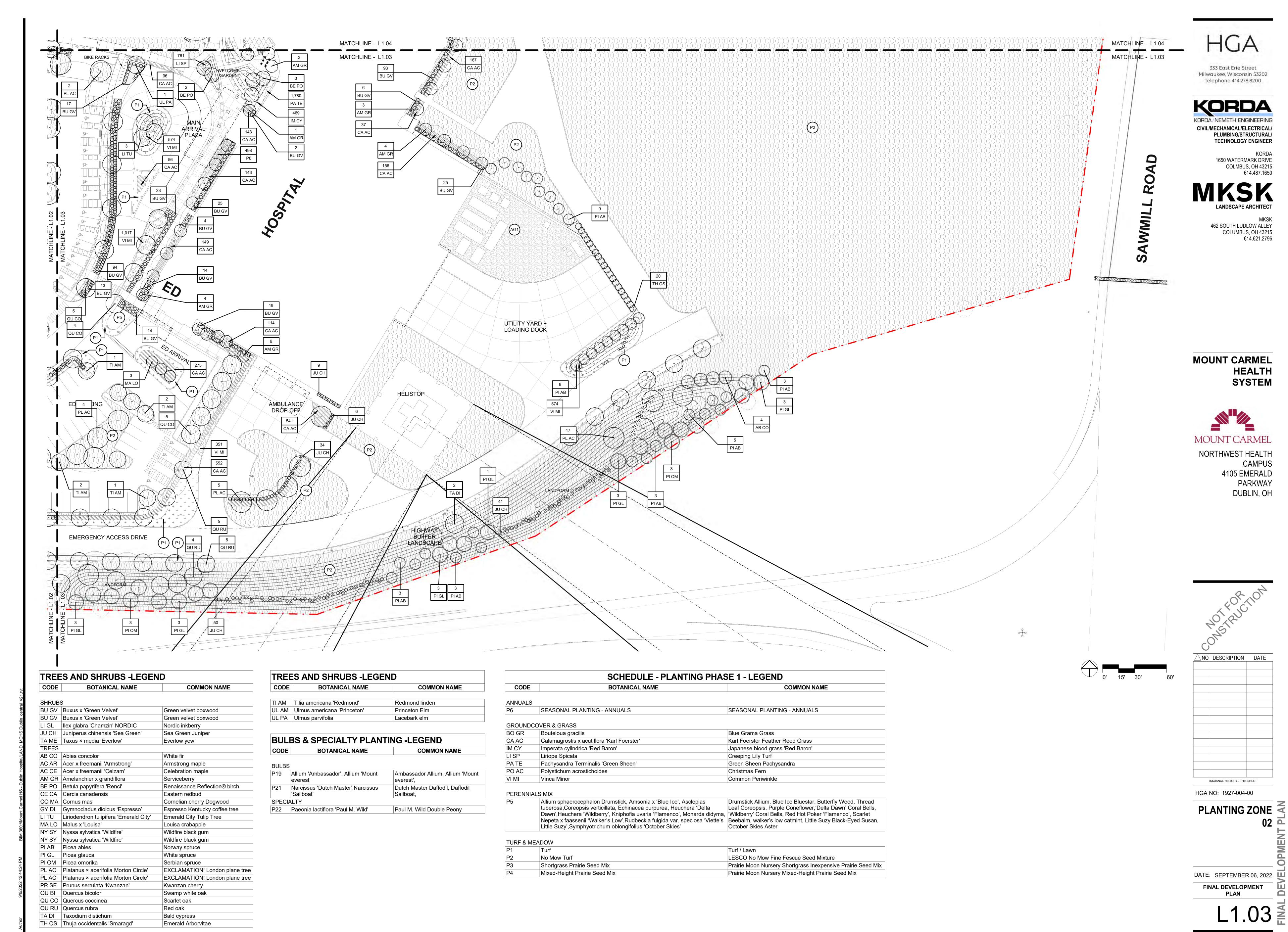
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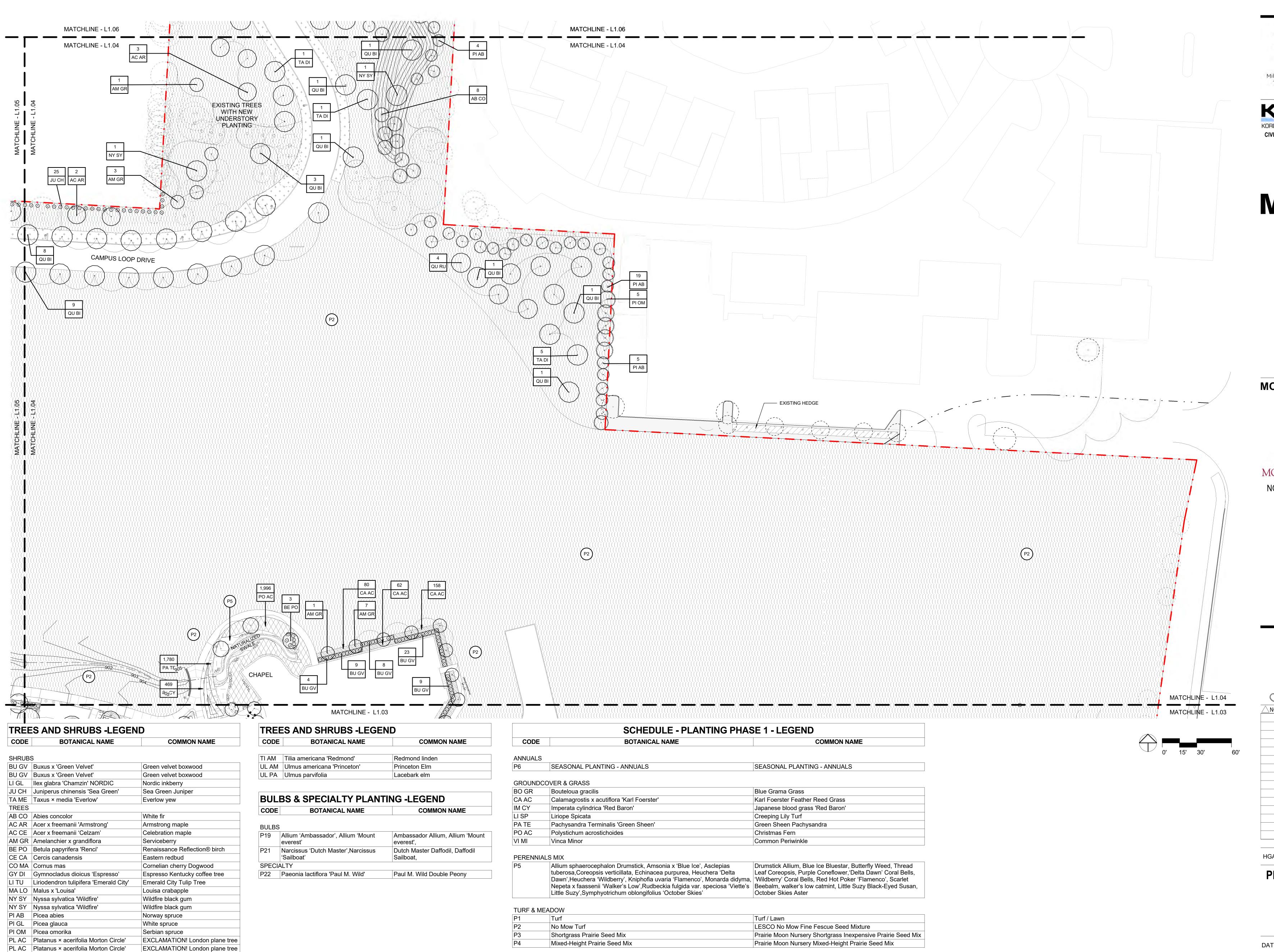
PLANTING ZONE 01

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT
PLAN

1 1 02





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

Kwanzan cherry

Scarlet oak

Bald cypress

Red oak

Swamp white oak

Emerald Arborvitae

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**MOUNT CARMEL** HEALTH SYSTEM

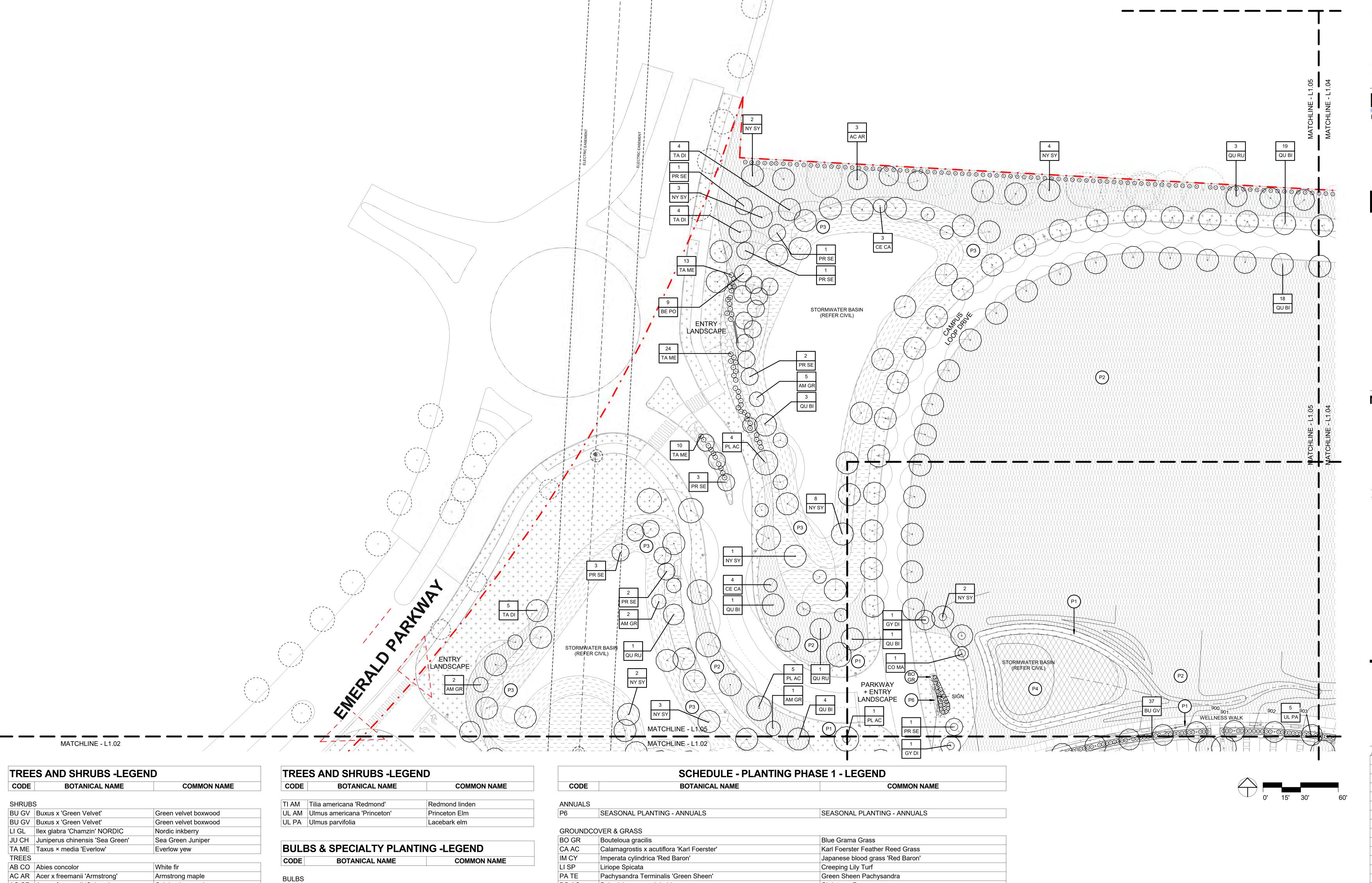


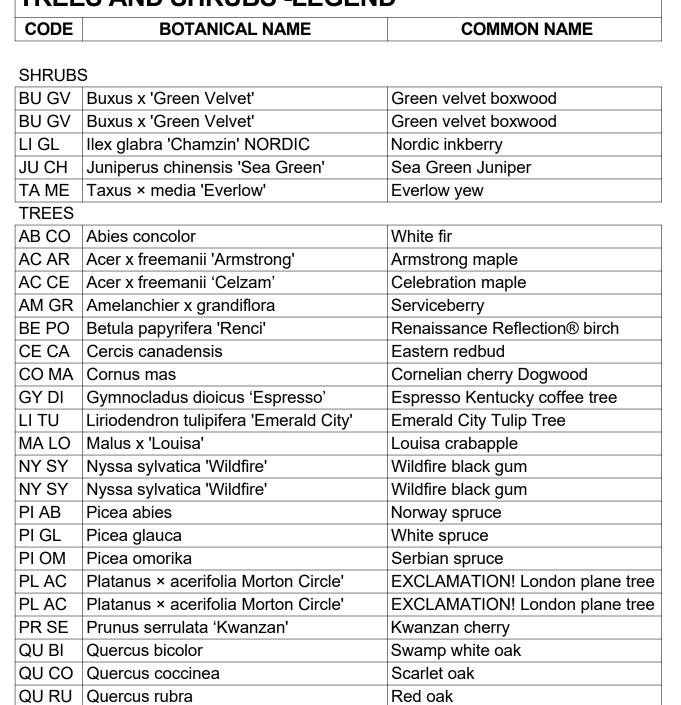
DUBLIN, OH

NO DESCRIPTION DATE



DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT





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
JL AM	Ulmus americana 'Princeton'	Princeton Elm
UL PA	Ulmus parvifolia	Lacebark elm
		·
BULE	BS & SPECIALTY PLANT	TING -LEGEND  COMMON NAME

Dutch Master Daffodil, Daffodil

Paul M. Wild Double Peony

|Sailboat,

P21 Narcissus 'Dutch Master', Narcissus

P22 Paeonia lactiflora 'Paul M. Wild'

∣'Sailboat'

SPECIALTY

CODE	BOTANICAL NAME	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
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	EADOW	
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



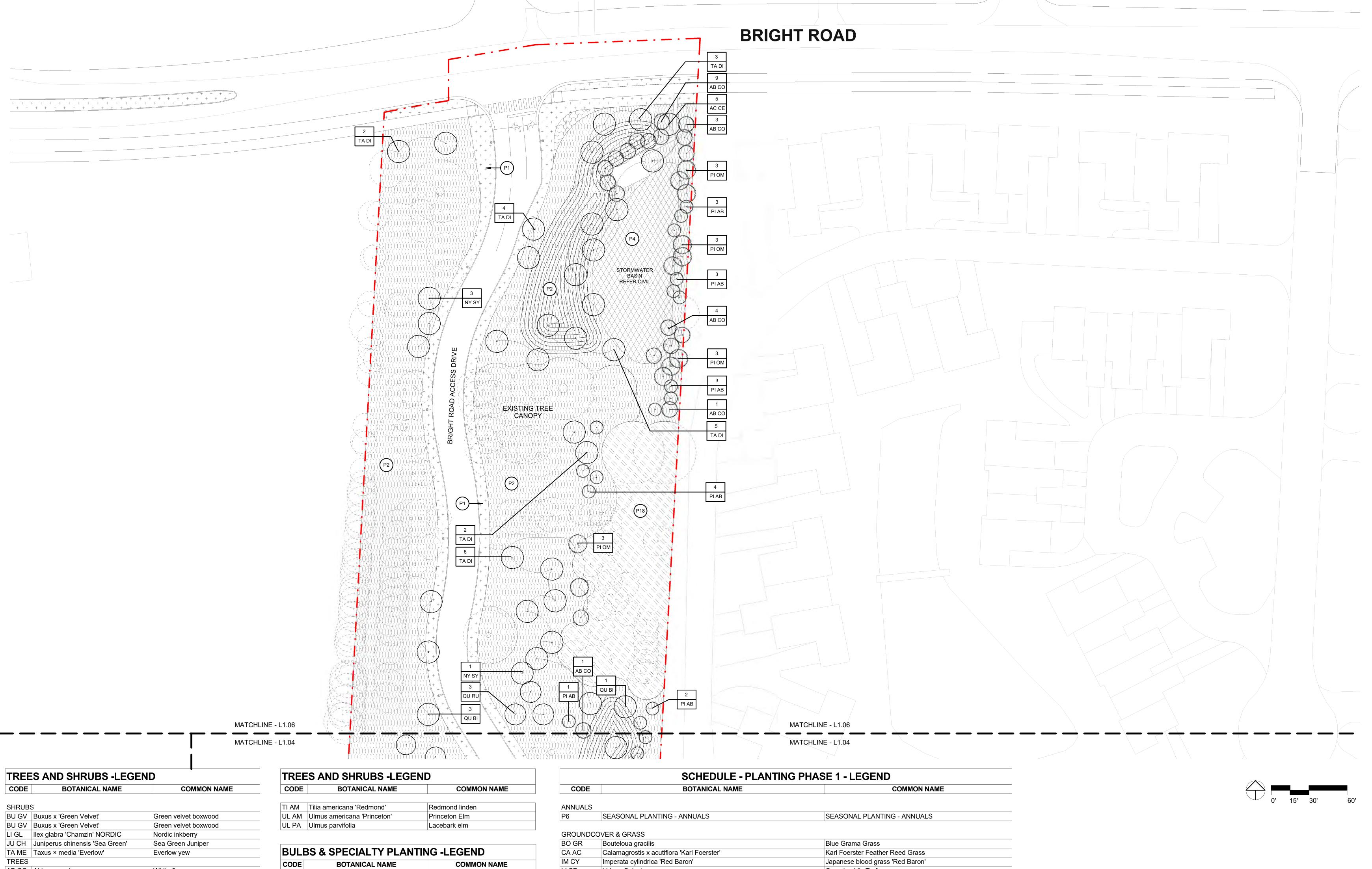
NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT PLAN



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 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

Kwanzan cherry

Scarlet oak

Bald cypress

Red oak

Swamp white oak

Emerald Arborvitae

EXCLAMATION! London plane tree

EXCLAMATION! London plane tree

PI OM Picea omorika

QU BI Quercus bicolor

QU RU Quercus rubra

QU CO Quercus coccinea

TA DI Taxodium distichum

PL AC Platanus × acerifolia Morton Circle'

PL AC Platanus × acerifolia Morton Circle'

PR SE Prunus serrulata 'Kwanzan'

TH OS Thuja occidentalis 'Smaragd'

BULBS & SPECIALTY PLANTING -LEGEND		
CODE	BOTANICAL NAME	COMMON NAME
BULBS	8	
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

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

ERENNIALS MIX				
5	Allium sphaerocephalon Drumstick, Amsonia x 'Blue Ice', Asclepias	Drumstick Allium, E		
	tuberosa,Coreopsis verticillata, Echinacea purpurea, Heuchera 'Delta	Leaf Coreopsis, Pu		
	Dawn', Heuchera 'Wildberry', Kniphofia uvaria 'Flamenco', Monarda didyma,	'Wildberry' Coral B		
	Neneta v faassenii 'Walker's Low' Rudheckia fulgida var. speciosa 'Viette's	Reehalm walker's		

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

RF & MEADOW	
Turf	Turf / Lawn
No Mow Turf	LESCO No Mow Fine Fescue Seed Mixture
Shortgrass Prairie Seed Mix	Prairie Moon Nursery Shortgrass Inexpensive Prairie Seed Mix
Mixed-Height Prairie Seed Mix	Prairie Moon Nursery Mixed-Height Prairie Seed Mix



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MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

**MOUNT CARMEL HEALTH** SYSTEM

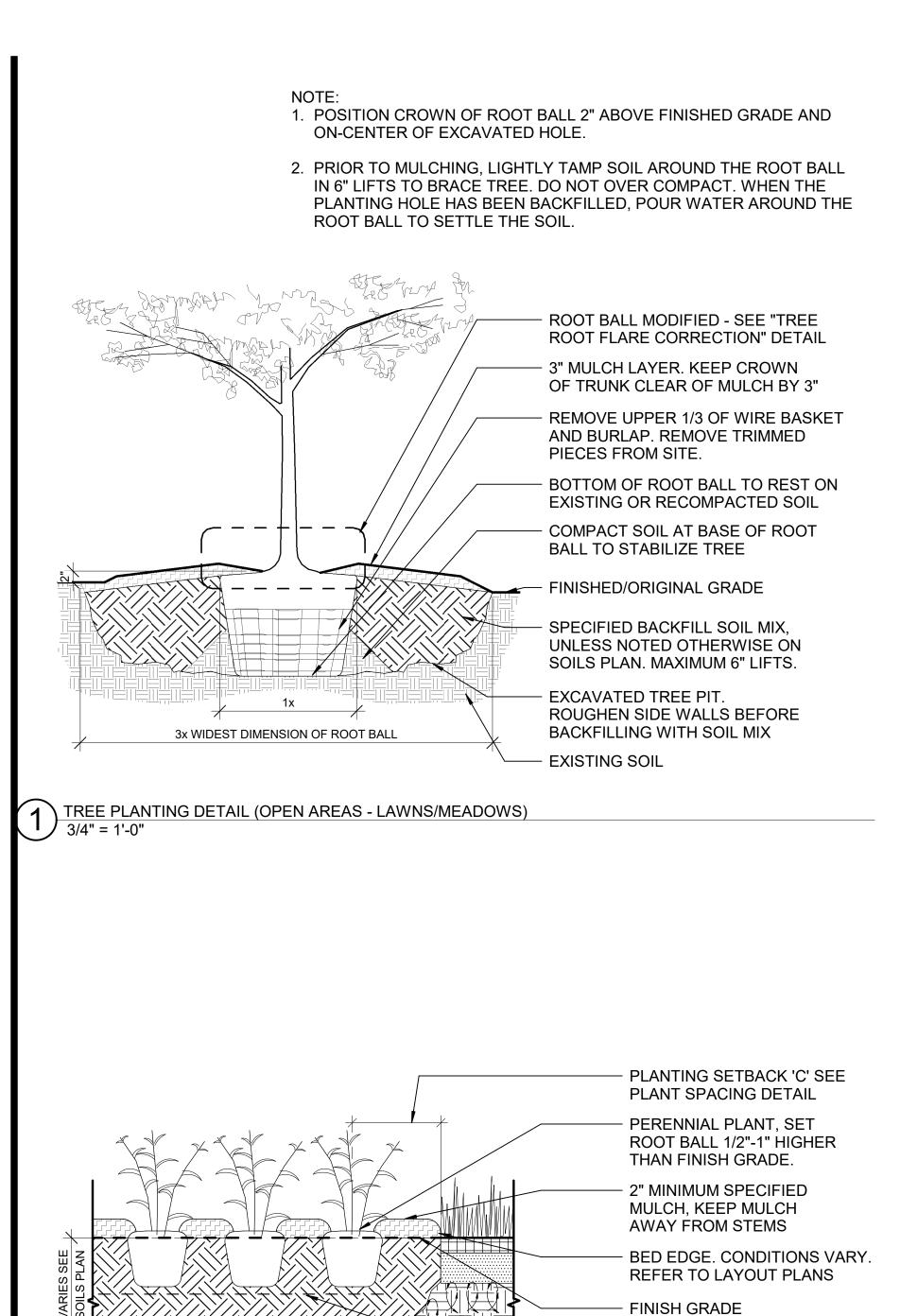


NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

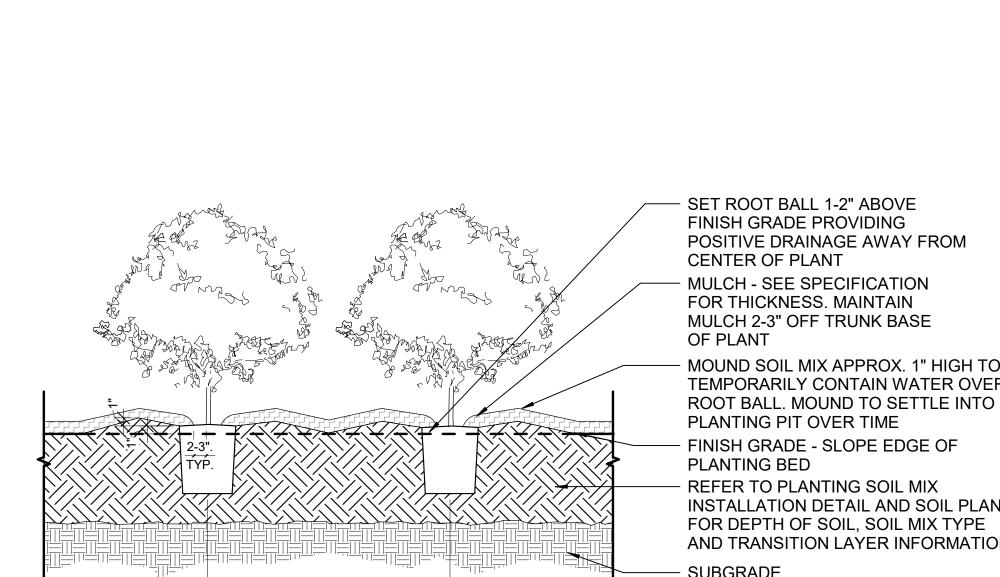
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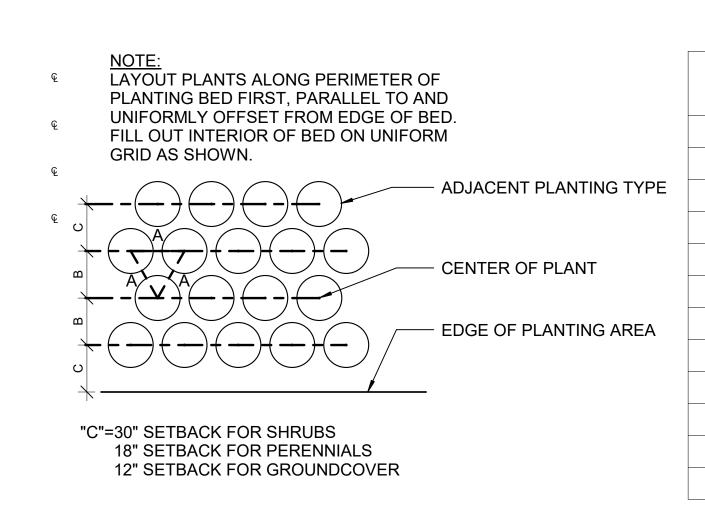
ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT PLAN



PERENNIAL PLANTING
1" = 1'-0"





TREE STAKING DETAIL (3" CAL. OR SMALLER)
3/4" = 1'-0"

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

STAKING PLAN

\_\_\_\_\_180°

PREVAILING WINDS

- POLYPROPYLENE STRAPS

- WOODEN GUY STAKES, PLACE EQUALLY AROUND

AND INTO UNDISTURBED

- PLANTING SOIL MIX BACKFILL

SUBGRADE AND MIN. 2"

CLEAR OF ROOT BALL

ROOT BALL

SUBGRADE

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

1650 WATERMARK DRIVE COLMBUS, OH 43215 614.487.1650

333 East Erie Street

Milwaukee, Wisconsin 53202

Telephone 414.278.8200

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KORDA NEMETH ENGINEERING

CIVIL/MECHANICAL/ELECTRICAL/

PLUMBING/STRUCTURAL/

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KORDA

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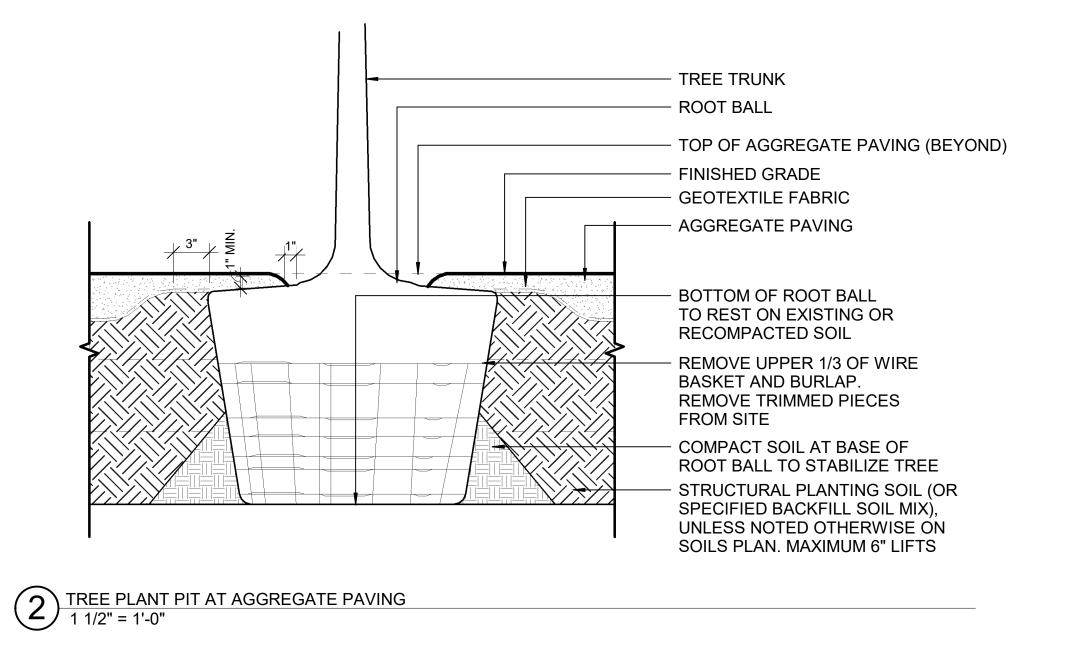
**MOUNT CARMEL HEALTH SYSTEM** 

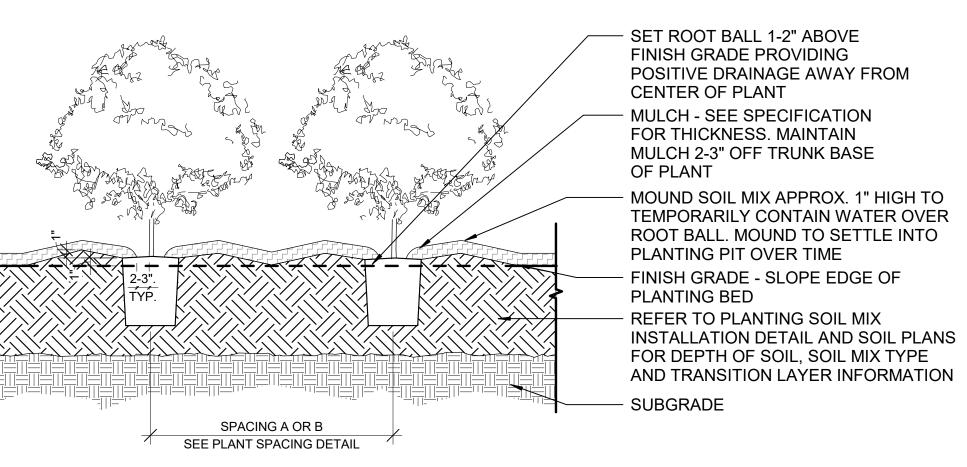


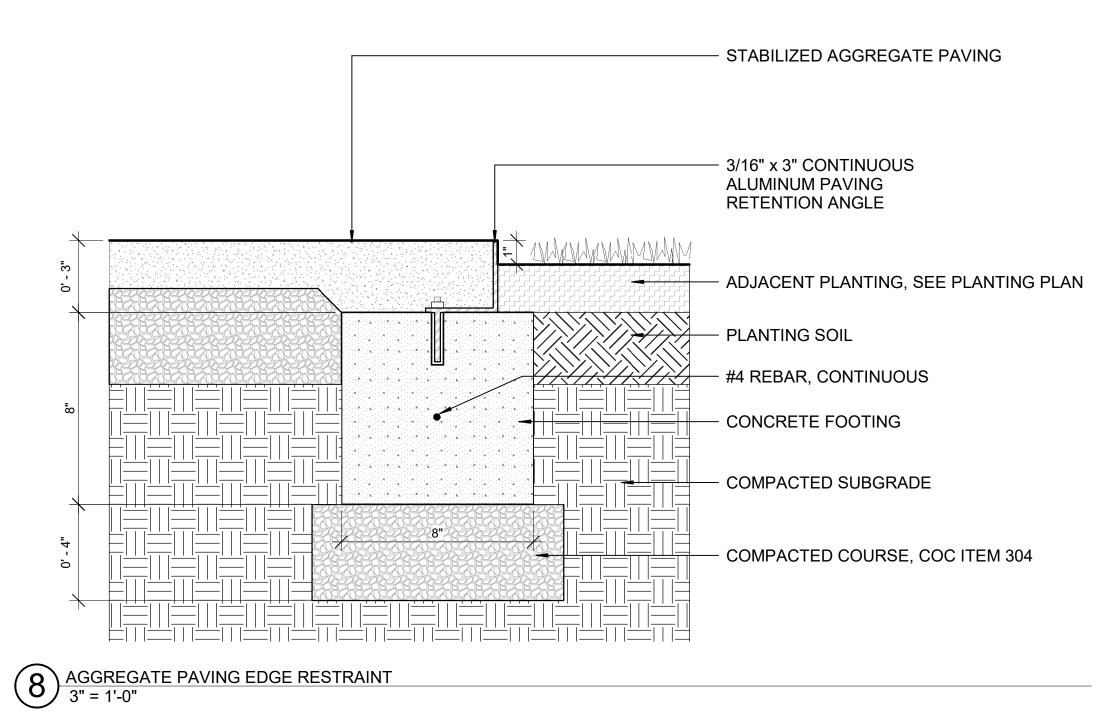
DUBLIN, OH

NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

FINAL DEVELOPMENT PLAN







V21.rvt		NOTES: MATERIAL: EXPOSED GRANITE COLOR: BIRCHWOOD PEBBLES MANUFACTURER: KAFKAGRANITE
ublin central  0' - 3"		— STABILIZED CRUSHED AGGREGATE
AND MCHS Dublin 0'-4"		— COMPACTED AGGREGATE BASE. COURSE ODOT ITEM 304
- Dublin Hospitai/LAND		PROOFROLL SUBGRADE IN ACCORDANCE     W/ MANUFACTURER'S RECOMMENDATION
	BILIZED AGGREGATE PAVING 1'-0"	

- PLANTING SOIL AT 6"

MAXIMUM LIFTS. SEE PLANTING SOIL MIX

INSTALLATION DETAIL

TRANSITION LAYER

- PLANTING SOIL.

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MOUNT CARMEL HEALTH SYSTEM



PARKWAY

DUBLIN, OH

NO DESCRIPTION DATE

HGA NO: 1927-004-00

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

HGA NO: 1927-004-00

ISSUANCE HISTORY - THIS SHEET

FINAL DEVELOPMENT PLAN

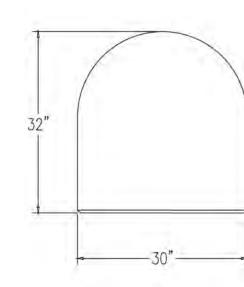


# TF6011 Heavy Duty Concrete Bollard

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

Factory Sealed





**ELEVATION VIEW** 

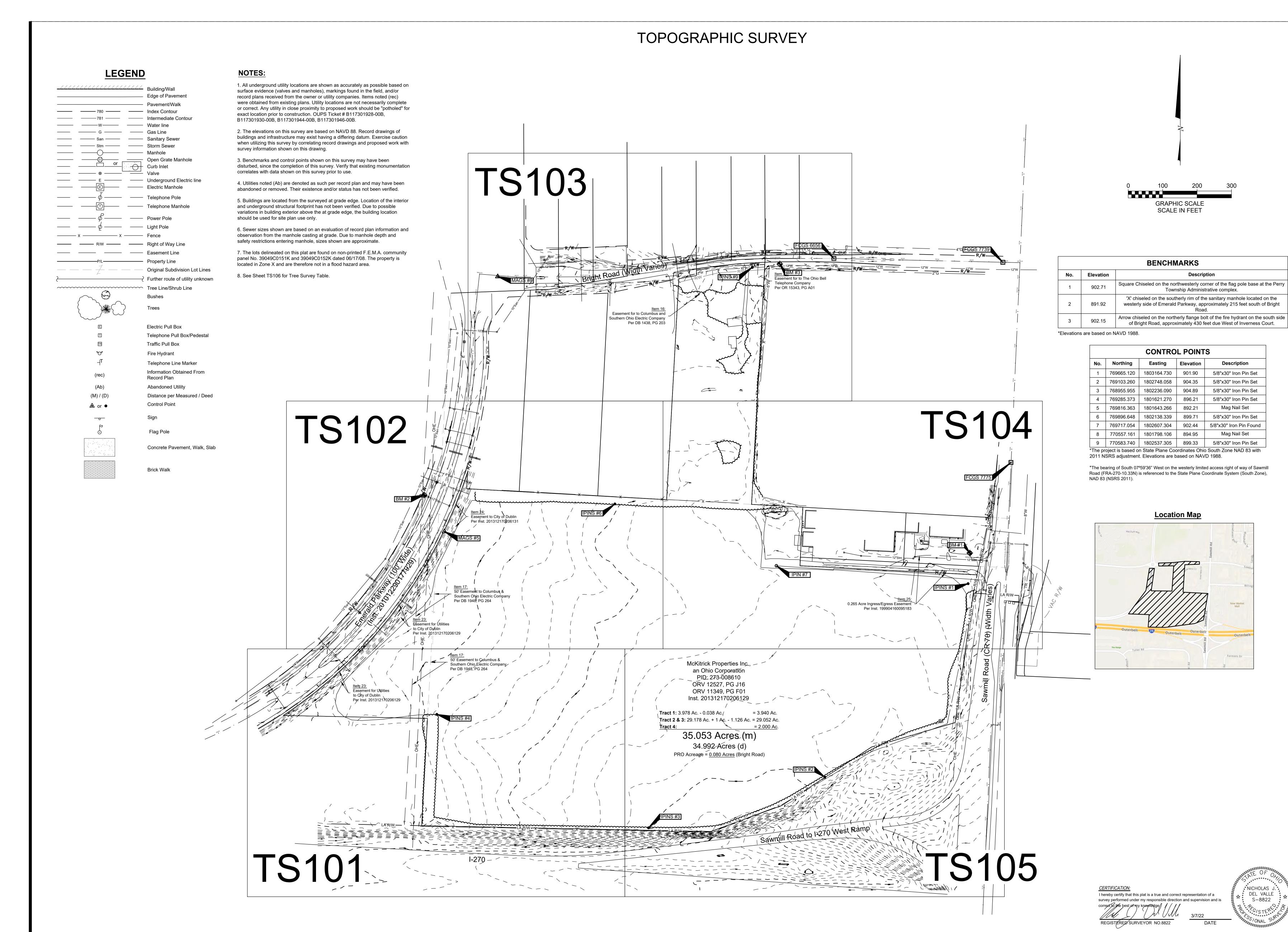
TOP VIEW

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"



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KORDA CIVIL/MECHANICAL/ELECTRICAL

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PLUMBING/STRUCTURAL/

TECHNOLOGY ENGINEER

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**MOUNT CARMEL HEALTH SYSTEM** 

MOUNT CARMEL

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

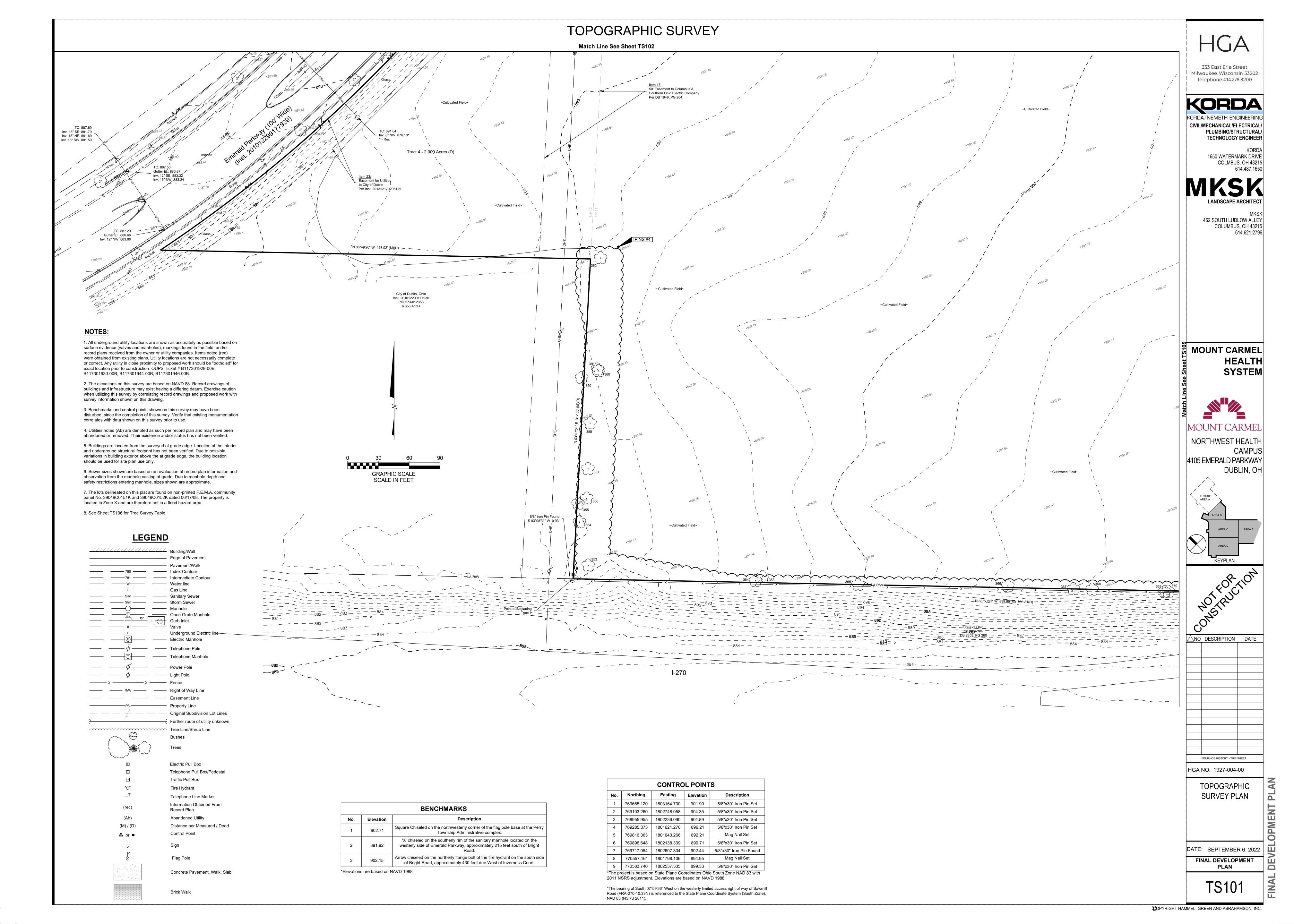
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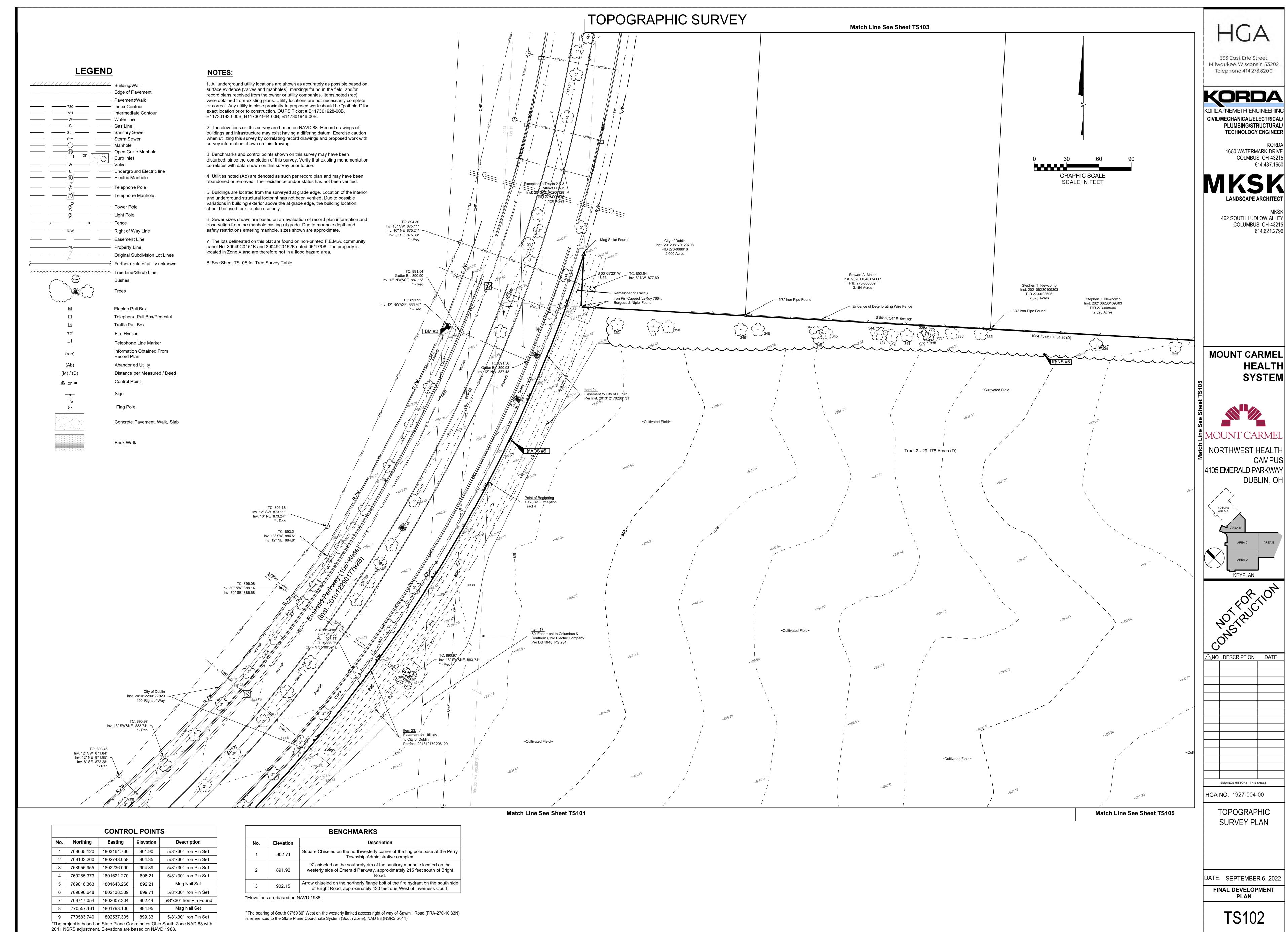
ISSUANCE HISTORY - THIS SHEET

**TOPOGRAPHIC** SURVEY PLAN

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

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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

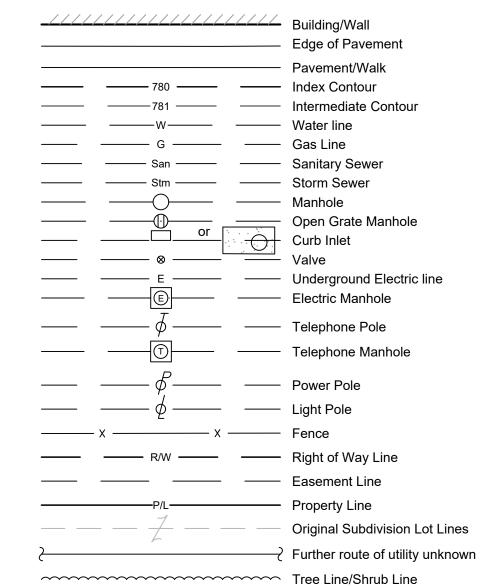
abandoned or removed. Their existence and/or status has not been verified. 5. Buildings are located from the surveyed at grade edge. Location of the interior and underground structural footprint has not been verified. Due to possible variations in building exterior above the at grade edge, the building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



Match Line See Sheet TS102

**LEGEND** 

***	Trees
E	Electric Pull Box
T	Telephone Pull Box/Pedestal
ĪR	Traffic Pull Box
8	Fire Hydrant
$\dashv^T$	Telephone Line Marker
(rec)	Information Obtained From Record Plan
(Ab)	Abandoned Utility
(M) / (D)	Distance per Measured / Deed
<b>▲</b> or ●	Control Point
<del>- 0 -</del>	Sign
0	Flag Pole
	Concrete Pavement, Walk, Sla
	Brick Walk

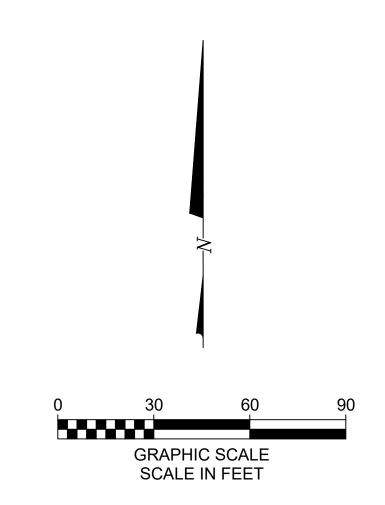
	BENCHMARKS				
No.	Elevation	Description			
1	902.71	Square Chiseled on the northwesterly corner of the flag pole base at the Perry Township Administrative complex.			
2	891.92	'X' chiseled on the southerly rim of the sanitary manhole located on the westerly side of Emerald Parkway, approximately 215 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.

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).

Match Line See Sheet TS104

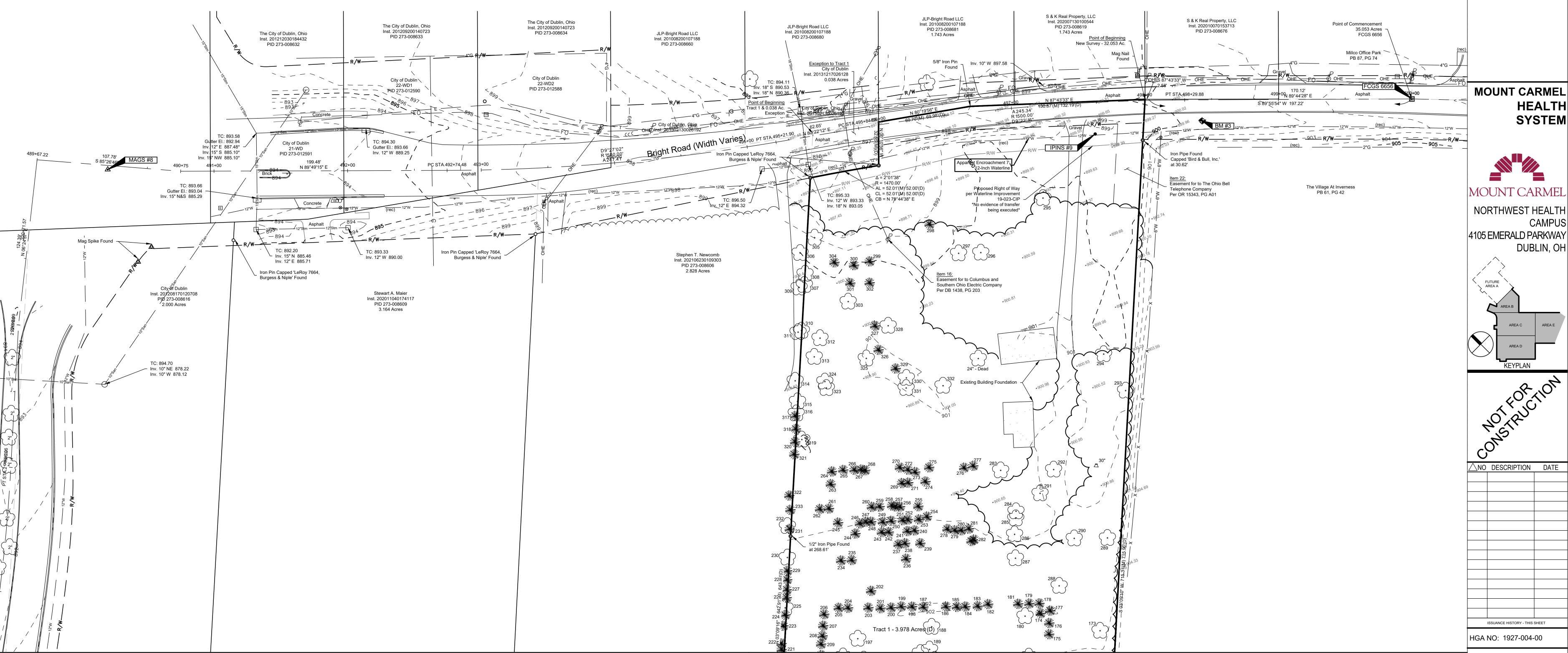


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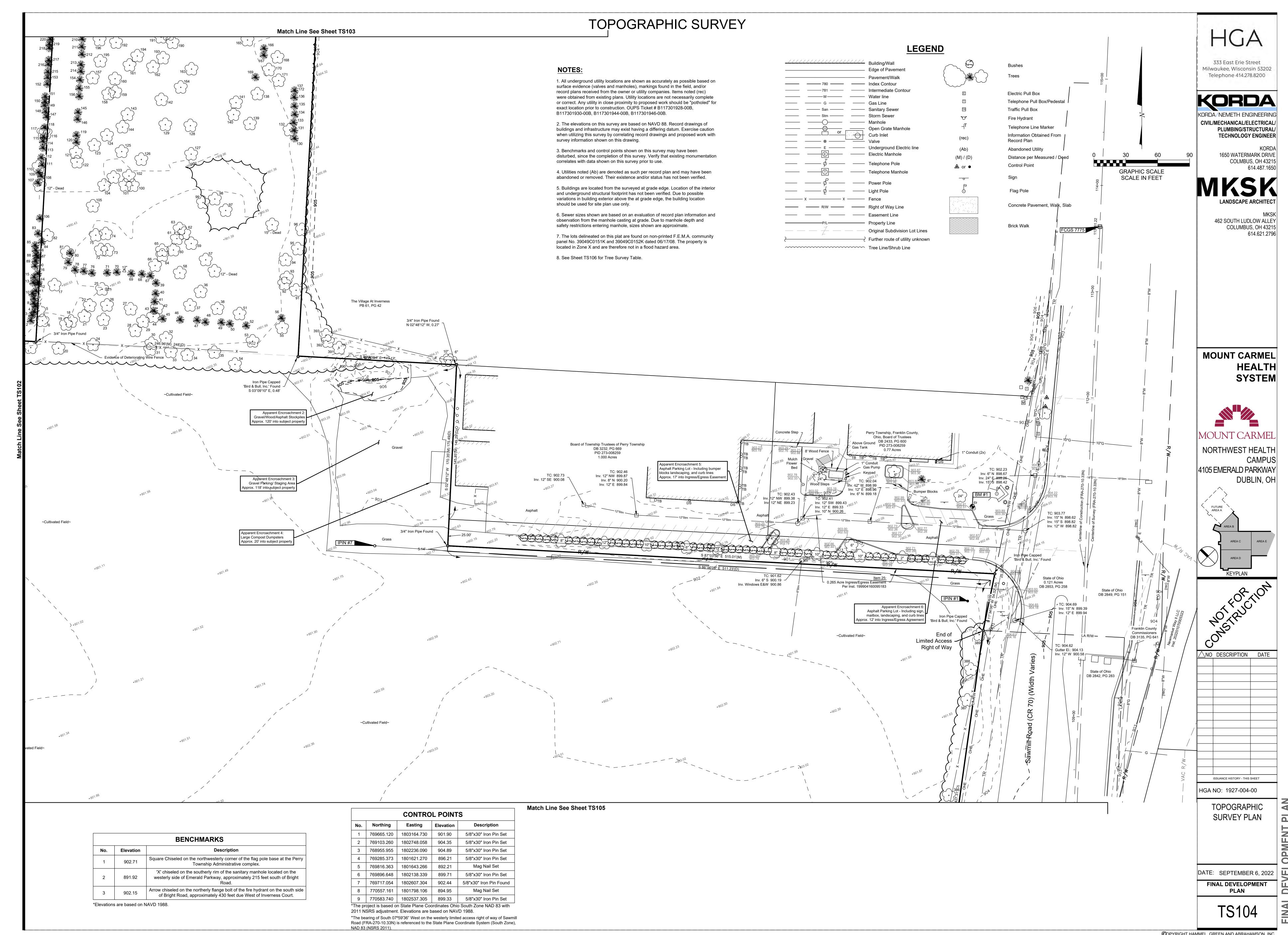
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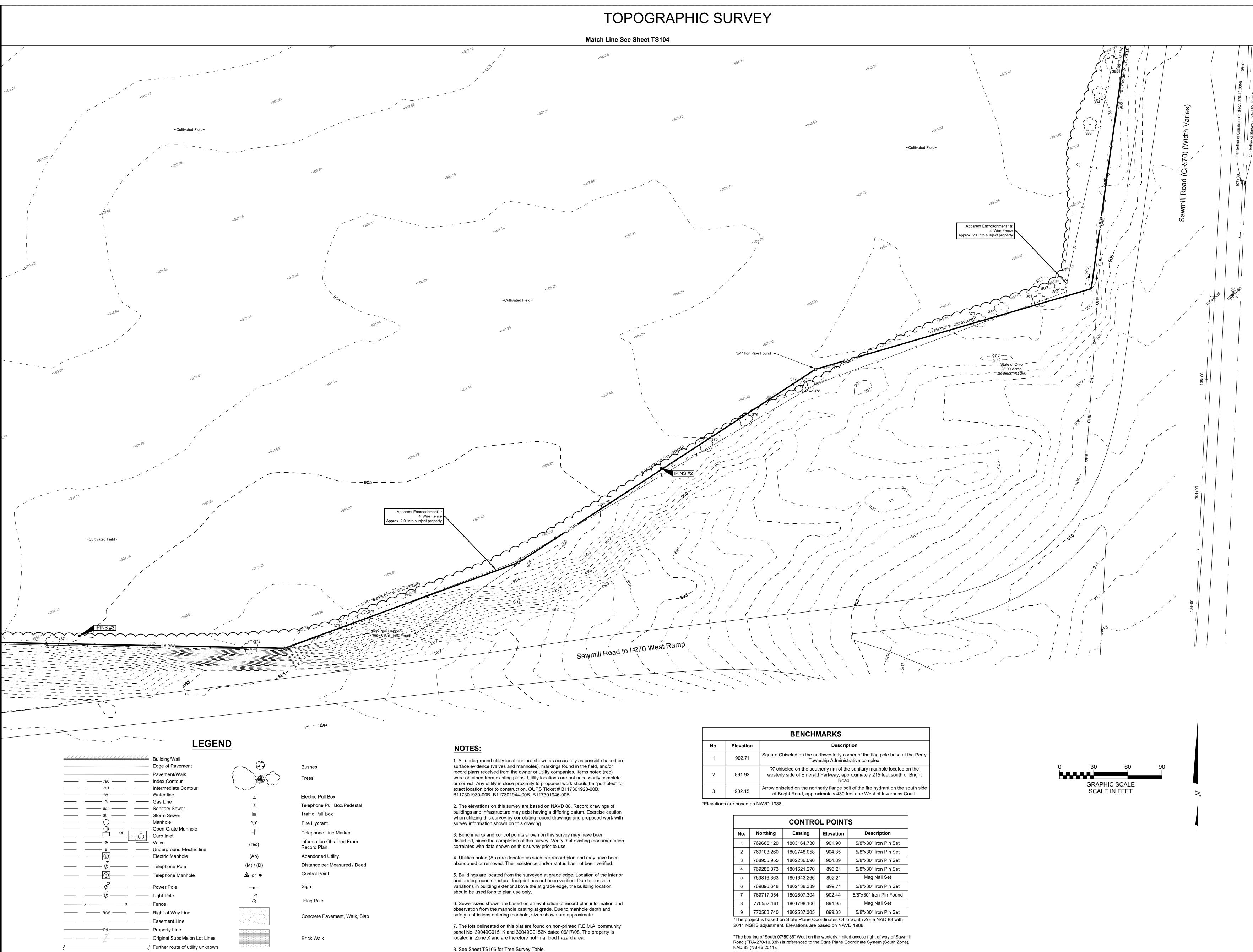


TOPOGRAPHIC SURVEY PLAN

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT

TS103





Tree Line/Shrub Line

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VIKSK LANDSCAPE ARCHITECT

MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

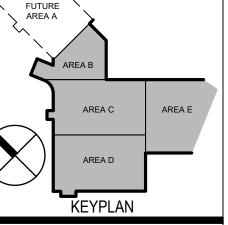
MOUNT CARMEL
HEALTH
SYSTEM

MOUNT CARMEL

NORTHWEST HEALTH

CAMPUS

CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH



MOTRUCTION

△NO DESCRIPTION DATE

HGA NO: 1927-004-00

TOPOGRAPHIC

SURVEY PLAN

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT

PLAN

TS105

### Tree Inventory Report

Tree 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	white pine	Pinus strobus	11	Fair
14	American elm	Ulmus americana	18	Fair
15	white pine	Pinus strobus	13	Good
16	white pine	Pinus strobus	9	Dead
17	boxelder	Acer negundo	7	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
	Norway spruce	·		
39	<u> </u>	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	Acer saccharinum	32	Good
49	Norway spruce	Picea abies	14	Fair
50	Norway spruce	Picea abies	12	Good
51	crabapple	Malus species	9	Poor
52	Norway spruce	Picea abies	11	Good
53	pin oak	Quercus palustris	23	Good
54	crabapple	Malus species	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
70	Norway spruce	Picea abies 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	Picea abies	14	Good

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	white pine	Pinus strobus	12	Fair
86	white pine	Pinus strobus	8	Fair
87	white pine	Pinus strobus	13	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  Acer saccharinum	8	Fair
103	silver maple	Acer saccharinum  Acer saccharinum	10	Good
104	•	Fraxinus americana	17	Poor
	white ash			
106	white pine	Pinus strobus	30	Fair
107	white pine	Pinus strobus	21	Very Poo
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	white pine	Pinus strobus	11	Fair
116	American elm	Ulmus americana	14	Good
117	red mulberry	Morus rubra	24	Fair
118	white pine	Pinus strobus	18	Dead
119	Norway spruce	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 Poo
128	crabapple	Malus species	16	Fair
129		Malus species	12	Fair
130	crabapple Norway spruce	Picea abies	15	Poor
130	Norway spruce	Picea abies  Picea abies	13	Fair
131			6	Fair Fair
	crabapple	Malus species	9	
133	Norway spruce	Picea abies		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
149	white pine	Pinus strobus	23	Fair
150	white pine	Pinus strobus Pinus strobus	11	Poor
150	•		19	
121	white pine	Pinus strobus		Fair
452	white pine	Pinus strobus	19	Good
152		Pinus strobus	14	Fair
153	white pine	<u> </u>		
153 154	Norway spruce	Picea abies	11	Fair
153	·	<u> </u>		Fair Fair Fair

Tree ID #	Common Name	Scientific Name	Diameter (inches)	Conditio
158	crabapple 	Malus species	14	Dead
159	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	Fair
175	Norway spruce	Picea abies	9	Poor
176	Norway spruce	Picea abies	16	Fair
176	, ,			
	Norway spruce	Picea abies	15	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
197		Picea abies	11 12	Fair Fair
198	Norway spruce		16	
	Norway spruce	Picea abies		Fair
200	Norway spruce	Picea abies	11	Poor
201	Norway spruce	Picea abies	18	Fair
202	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
219	white pine white pine	Pinus strobus Pinus strobus	9	Poor
220	· · · · · · · · · · · · · · · · · · ·		15	
	white pine	Pinus strobus		Fair
222	white pine	Pinus strobus	19	Fair
223	white pine	Pinus strobus	20	Fair
224	white pine	Pinus strobus	11	Fair
225	white pine	Pinus strobus	26	Poor
226	white pine	Pinus strobus	13	Dead
227	white pine	Pinus strobus	15	Fair
228	white pine	Pinus strobus	20	Fair
229	white pine	Pinus strobus	10	Fair
230	cottonwood	Populus deltoides	31	Good
231	white pine	Pinus strobus	7	Poor
232	silver maple	Acer saccharinum	37	Fair
232	white pine	Pinus strobus	12	Fair
233	·		15	Fair Fair
<b>∠</b> 34	Norway spruce	Picea abies Picea abies	15	Fair Fair
235	Norway spruce	D:		

<b>T15</b> # 1			Diamatan (in abas)	0 1111
237	Norway spruce	Scientific Name  Picea abies	Diameter (inches)	Condition Fair
238	Norway spruce	Picea abies	18	Poor
239	Norway spruce	Picea abies	15	Fair
240	Norway spruce	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
251 252	Norway spruce  Norway spruce	Picea abies Picea abies	8 7	Fair Fair
253	Norway spruce	Picea abies	10	Fair
254	Norway spruce	Picea abies	12	Fair
255	Norway spruce	Picea abies	11	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
264 265	Norway spruce  Norway spruce	Picea abies	13 16	Fair Fair
266	Norway spruce	Picea abies Picea abies	8	Fair
267	Norway spruce	Picea abies	11	Fair
268	Norway spruce	Picea abies	19	Good
269	Norway spruce	Picea abies	11	Fair
270	Norway spruce	Picea abies	16	Fair
271	Norway spruce	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
277 278	Norway spruce	Picea abies Picea abies	10 12	Fair
278	Norway spruce  Norway spruce	Picea abies Picea abies	6	Good 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	red mulberry	Morus rubra	25	Very Poor
285	red mulberry	Morus rubra	25	Dead
286	red mulberry	Morus rubra	24	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
291 292	silver maple silver maple	Acer saccharinum  Acer saccharinum	10 30	Fair Fair
292	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	Norway spruce	Picea abies	11	Poor
302	Norway spruce	Picea abies	15	Fair
303	black walnut	Juglans nigra	10	Good
304 305	Norway spruce black walnut	Picea abies Juglans nigra	17 8	Fair Good
305	black walnut	Prunus serotina	24	Dead
307	red mulberry	Morus rubra	11	Fair
307	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 #	Common Name	Scientific Name	Diameter (inches)	Condit
316	red mulberry	Morus rubra	6	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 Po
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
	<u> </u>			
334	red mulberry	Morus rubra	12	Fair
335	chinkapin oak	Quercus muehlenbergii	24	Good
336	black walnut	Juglans nigra	9	Fair
337	chinkapin oak	Quercus muehlenbergii	12	Good
338	black walnut	Juglans nigra	6	Good
339	chinkapin oak	Quercus muehlenbergii	6	Good
340	black walnut	Juglans nigra	6	Good
341	black walnut	Juglans 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	· · · · · · · · · · · · · · · · · · ·		7	Fair
	hackberry	Celtis occidentalis		
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	hackberry	Celtis occidentalis	10	Good
371	hackberry	Celtis occidentalis	21	Fair
372	flowering pear	Pyrus calleryana	17	Fair
373	hackberry	Celtis occidentalis	7	Fair
374	flowering pear	Pyrus calleryana	14	Fair
374		Pyrus calleryana Pyrus calleryana	12	Fair
	flowering pear	, ,		
376	flowering pear	Pyrus calleryana	10	Fair
377	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
. 11 11 1	flowering pear	Pyrus calleryana	18	Fair
	HOWELLING PERI	r yi us cullei yulla		
389	<u> </u>	Ougrana manadalanda "	21	
389 390	chinkapin oak	Quercus muehlenbergii	31	
389	<u> </u>	Quercus muehlenbergii Quercus muehlenbergii Morus rubra	31 12 8	Good Fair Fair



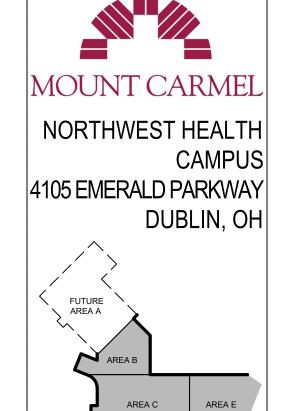
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CIVIL/MECHANICAL/ELECTRICAL/
PLUMBING/STRUCTURAL/
TECHNOLOGY ENGINEER

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MKSK LANDSCAPE ARCHITECT

> MKSK 462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

MOUNT CARMEL
HEALTH
SYSTEM



CONSTRUCTION

ISSUANCE HISTORY - THIS SHEET

HGA NO: 1927-004-0

TOPOGRAPHIC SURVEY PLAN

DATE: SEPTEMBER 6, 2022

FINAL DEVELOPMENT
PLAN

TS106



HGA

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MOUNT CARMEL **HEALTH** 

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

DATE: SEPTEMBER 6, 2022



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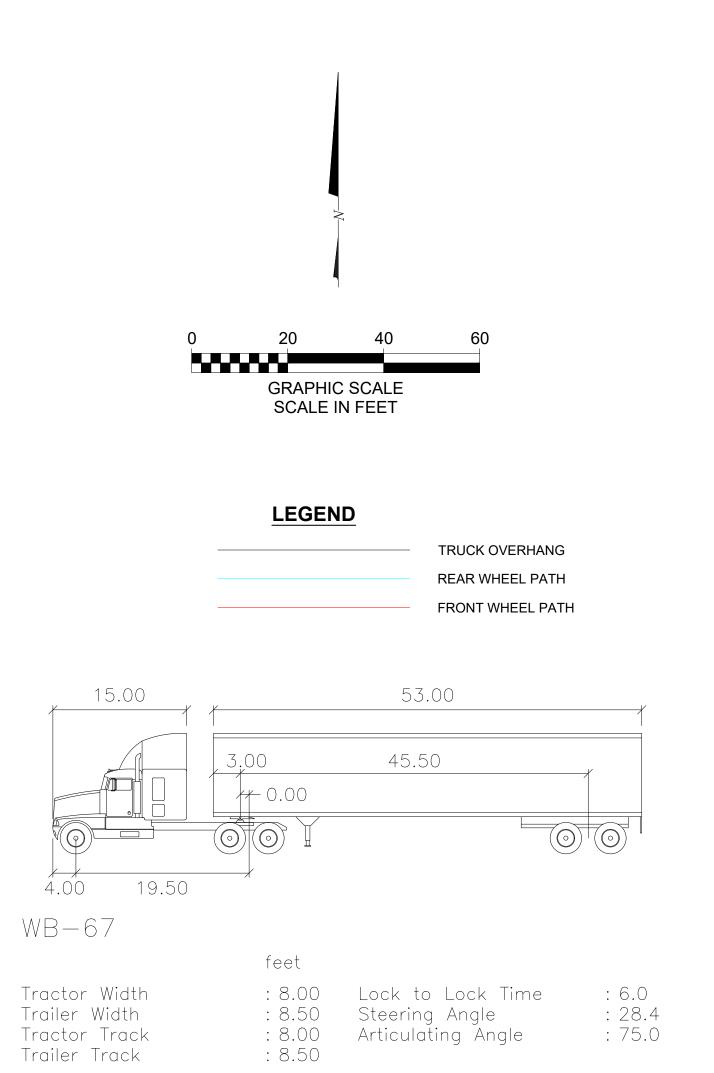
HEALTH

NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY DUBLIN, OH

DATE: SEPTEMBER 6, 2022



**DELIVERY LOADING DOCK** 



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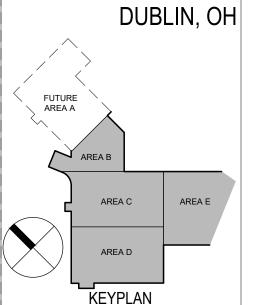
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MOUNT CARMEL HEALTH SYSTEM



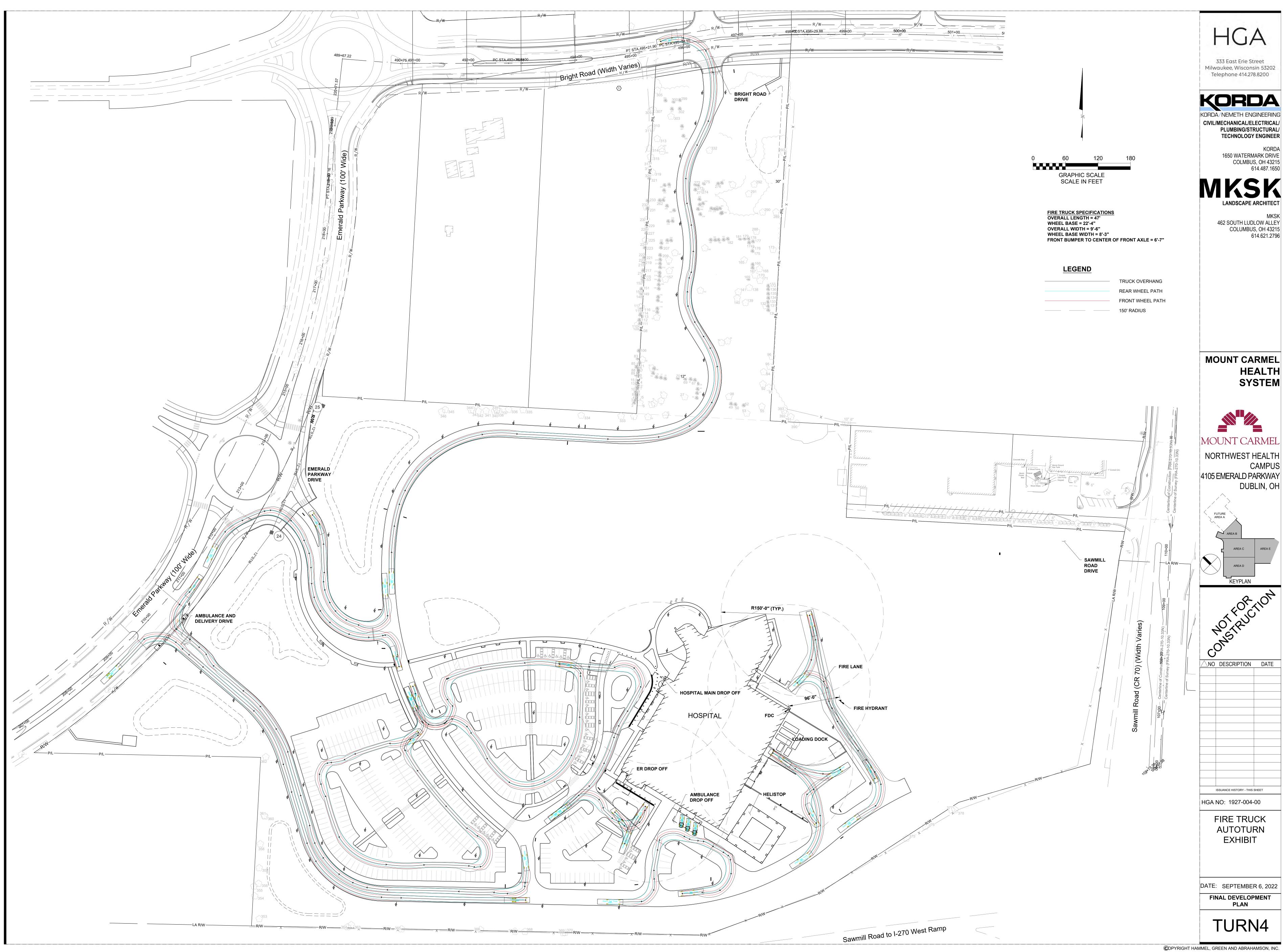
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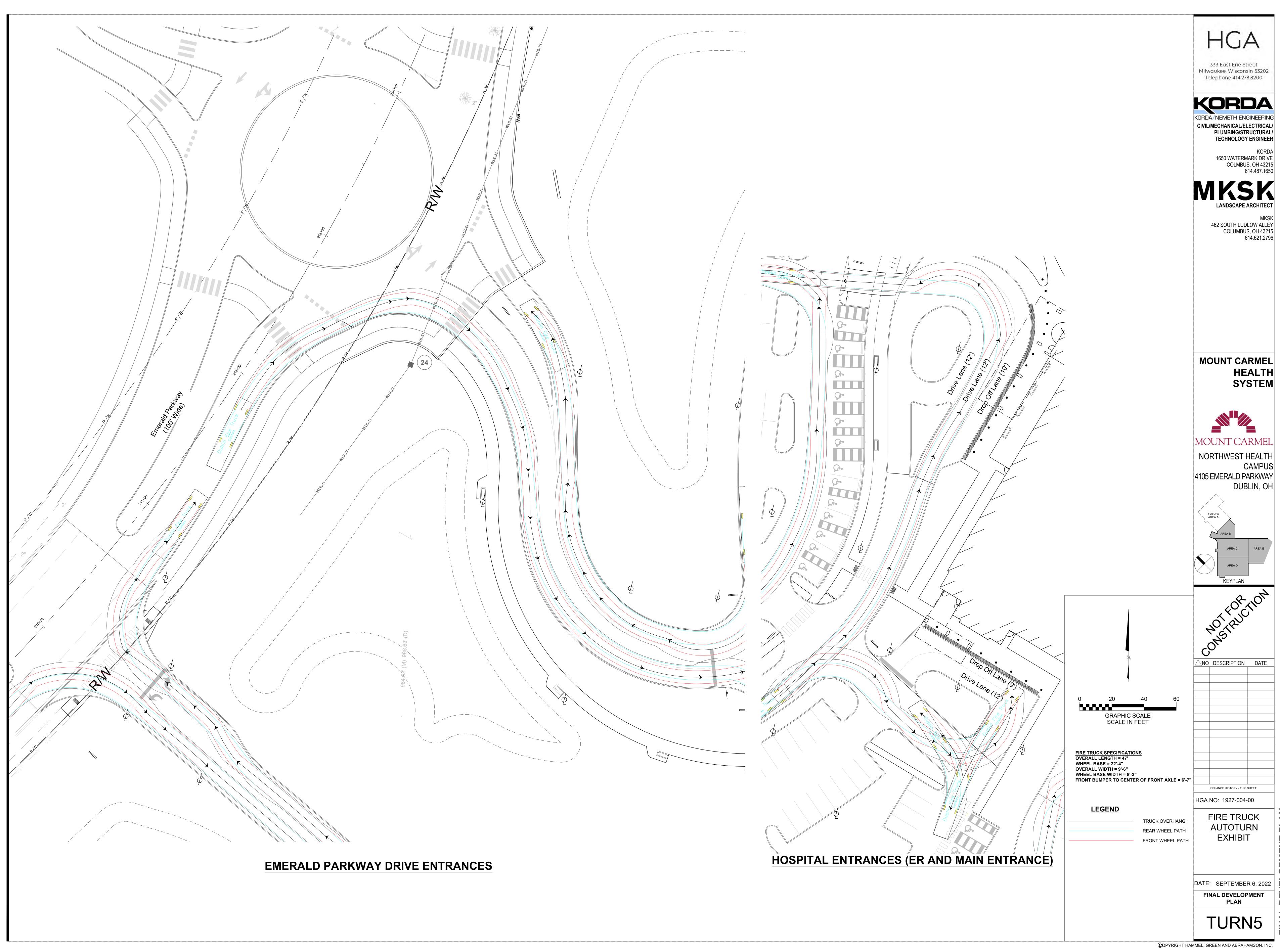
△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

DELIVERY TRUCK
AUTOTURN
EXHIBIT

DATE: SEPTEMBER 6, 2022 FINAL DEVELOPMENT PLAN



**HEALTH** 





SECONDARY DIRECTIONAL

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MOUNT CARMEL HEALTH SYSTEM



NORTHWEST HEALTH
CAMPUS
4105 EMERALD
PARKWAY
DUBLIN, OH

NO DESCRIPTION DATE

NO DESCRIPTION DATE

HGA NO: 1927-004-00

SIGNAGE PLAN

DATE: SEPTEMBER 06, 2022

FINAL DEVELOPMENT PLAN

1300

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1650 WATERMARK DRIVE

**MOUNT CARMEL HEALTH SYSTEM** 

> MOUNT CARMEL NORTHWEST HEALTH CAMPUS 4105 EMERALD PARKWAY

> > DUBLIN, OH

NO DESCRIPTION DATE

Canopy

ISSUANCE HISTORY - THIS SHEET

MOUNT CARMEL HEALTH SYSTEM

# SIGN QUANTITIES

	QUANTITY	LOCATION
MOUNT CARMEL DUBLIN	1	Emerald Parkway
SE-02 SECONDARY SIT	QUANTITY	LOCATION
EMERGENCY→		Sawmill Road

	QUANTITY	LOCATION
EMERGENCY →	1	Primary Campus Intersections

		1
	QUANTITY	LOCATION
EMERGENCY →  Main Hospital →  Medical Office Building →  @ Parking →	6	Road & Main Campus Intersections

A STATE OF THE PARTY OF THE PAR	QUANTITY	LOCATION
Man Nigold + Medical Close + Sphalog +	8	Secondary Campus Intersections
DR-04 SECONDARY DIR	ECTIONAL SIGN	LOCATION

Man Royald & Beard Office & Royald Grows & Royald Grows & Royald Grows & Royald Grows & Grows	0	Intersections
DR-04 SECONDARY DIR	ECTIONAL SIGN	
	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

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MOUNT CARMEL

**Mount Carmel Northwest Health** 

**Wayfinding Signage System** 

Wayfinding Signage System

Exterior Signage Design Updates

**Issued For Coordination & Discussion** 

Project Number: C22524

06.20.2022

Revisions:

Design Intent

Sign Name

**GENERAL - SIGN QUANTITIES &** 

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Client:

A Member of Trinity Health

462 S Ludlow St.

t: 614.621.2796

Columbus, Ohio, 43215

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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	ft <sup>2</sup>	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**



PANTONE MATCH: PMS 208 C PMS 186 C PAINT MATCH: PAINT MATCH: Mathews 144MP14062 Elderberry Mathews MP15024 Red Dragon Wine (Satin Finish) (Satin Finish)

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-PERFORATED (High-Level Usage Only) 3M Scotchcal Dual Colored Perforated Film, Color: Custom \*To match Oracle translucent to Dark Red 030

Oracal Translucent Dark Red 030

ALTERNATE:

Series 8800 Vinyl

EMERGENCY RED

VINYL-REFLECTIVE:

3M Scotchcal Reflective 680-72

PANTONE MATCH: White PAINT MATCH: Mathews MP05780 Pearl Stone (Satin Finish)

MC WHITE

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

PAINT MATCH:

Mathews MP41335SP

Black Vinyl 680-85

ACRYLIC:

VINYL-PERFORATED

(High-Level Usage Only)

3M Scotchcal Dual Colored

Binary Black/White Acrylic

Perforated Film 3635-222 Black

Anodic Black (Satin Finish)

VINYL-OPAQUE MATCH:

3M Scotchcal Opaque 7725-12 Black

REGULATORY BLUE PANTONE MATCH: PMS 293 C

PMS 877 C

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

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

RUSHED LUMINUM METAL PANTONE MATCH: PAINT MATCH: Mathews MP30136

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

Satin Aluminum

Wayfinding Signage System Project Number: C22524 Wayfinding Signage System Exterior Signage Design Updates **Issued For Coordination & Discussion** 06.20.2022 **Design Intent** 

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GENERAL - MATERIALS & COLORS

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

# Internally illuminated awning mounted sign (see sign layout for details). Awning over entry. Sign centered over entry doors. BE-01-002 Signage Parameters: - Overall Sign Dimensions - 11'-3" x 1-0" Total Signage Area - 11.25 ft<sup>2</sup> - Height from Grade - 13'-8" (to top of sign) EQL | EQL Main Entrance - West Elevation Scale: 1:128 11'-3"

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**Mount Carmel Northwest Health** 

**Wayfinding Signage System** 

Project Number: C22524

06.20.2022

**Design Intent** 

Sign Name

**GENERAL - SIGN QUANTITIES &** 

Wayfinding Signage System

Exterior Signage Design Updates

**Issued For Coordination & Discussion** 

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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: Elevation Updated 07.13.2022

**Design Intent** 

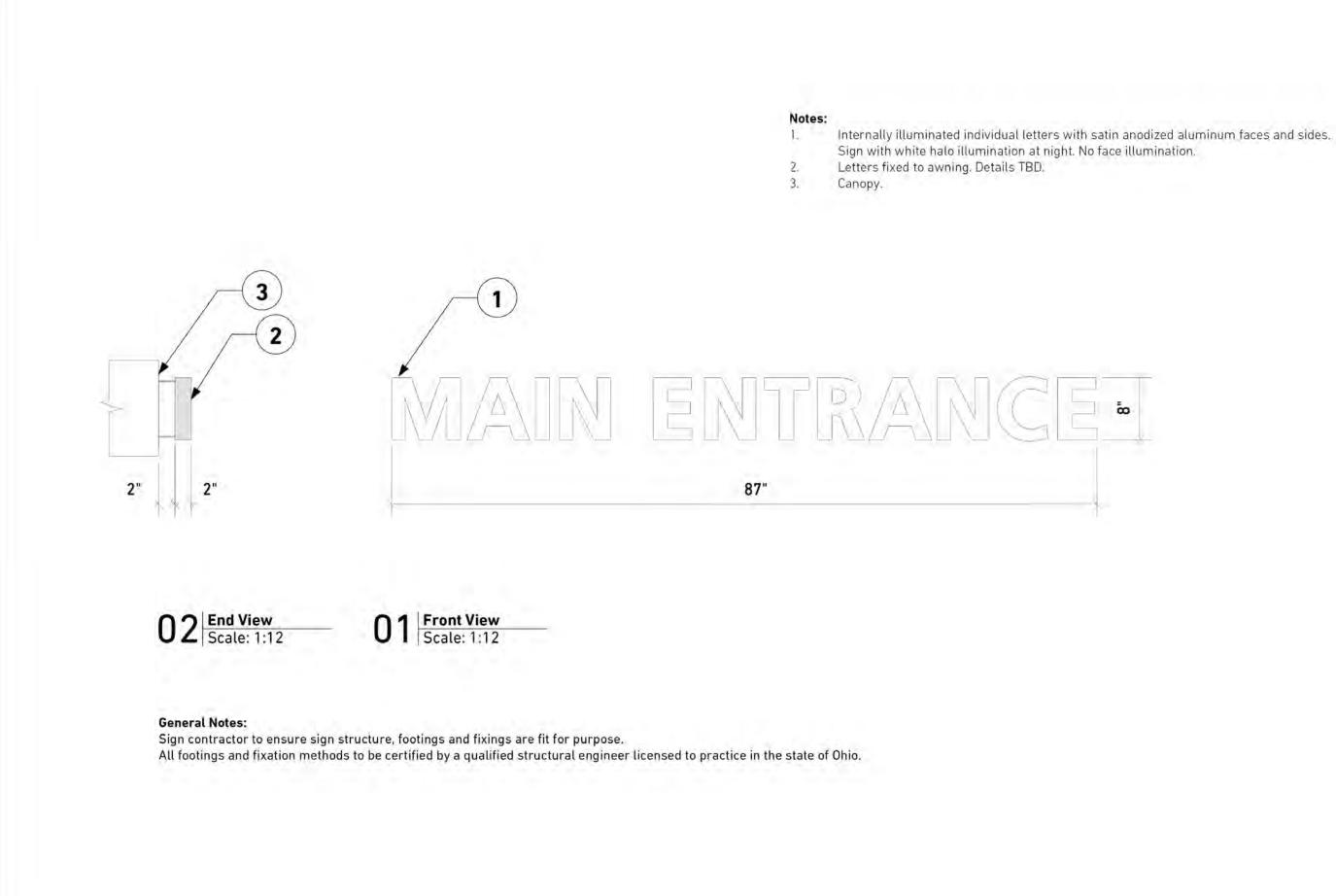
Sign Name Building Entrance Sign

**BE-01** 

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

FINAL DEVELOPMENT PLAN

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Design and Size Changes

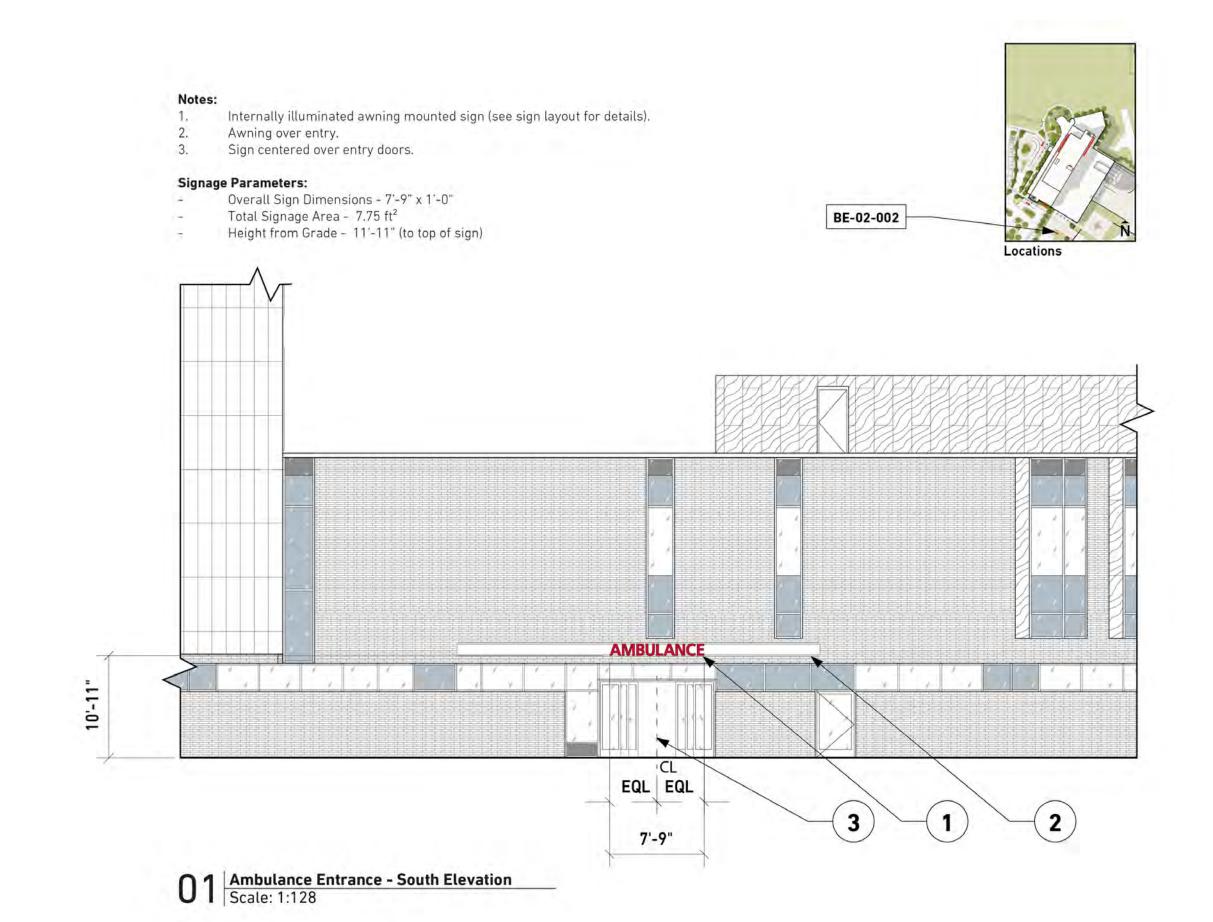
Sign Name

Canopy

Building Entrance Sign

**BE-01** 

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



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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

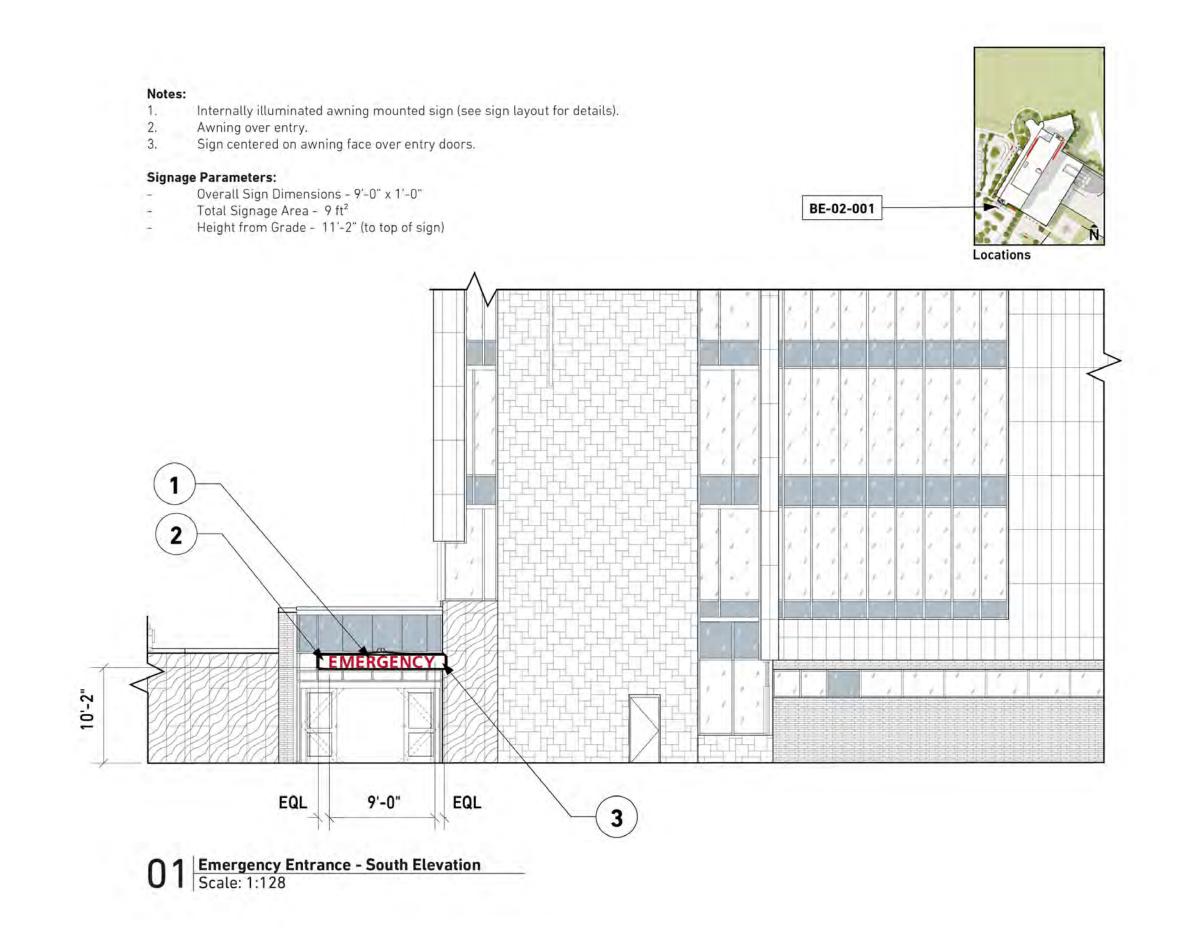
**Design Intent** 

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

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

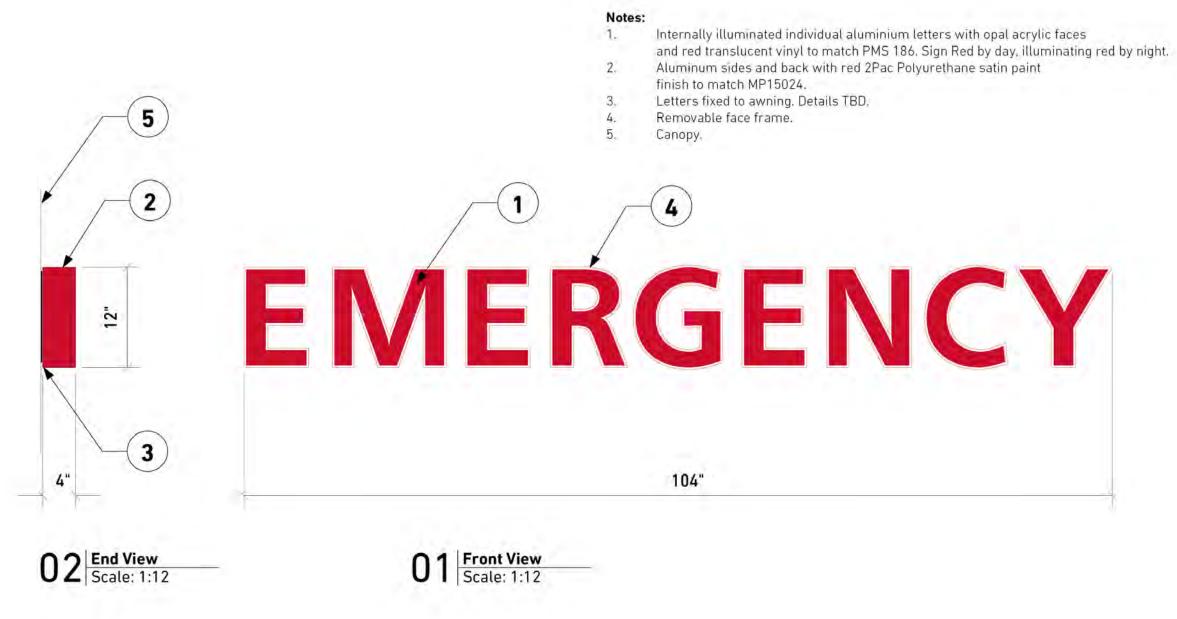
Elevation Updated 07.13.2022

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.

# MKSK

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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** 

Canopy Emergency **BE-02** 

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



**MOUNT CARMEL HEALTH SYSTEM** 

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**TECHNOLOGY ENGINEER** 

1650 WATERMARK DRIVE COLMBUS, OH 43215

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215

614.487.1650

614.621.2796



PARKWAY

DUBLIN, OH

 $\triangle$ NO DESCRIPTION DATE

ISSUANCE HISTORY - THIS SHEET

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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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 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

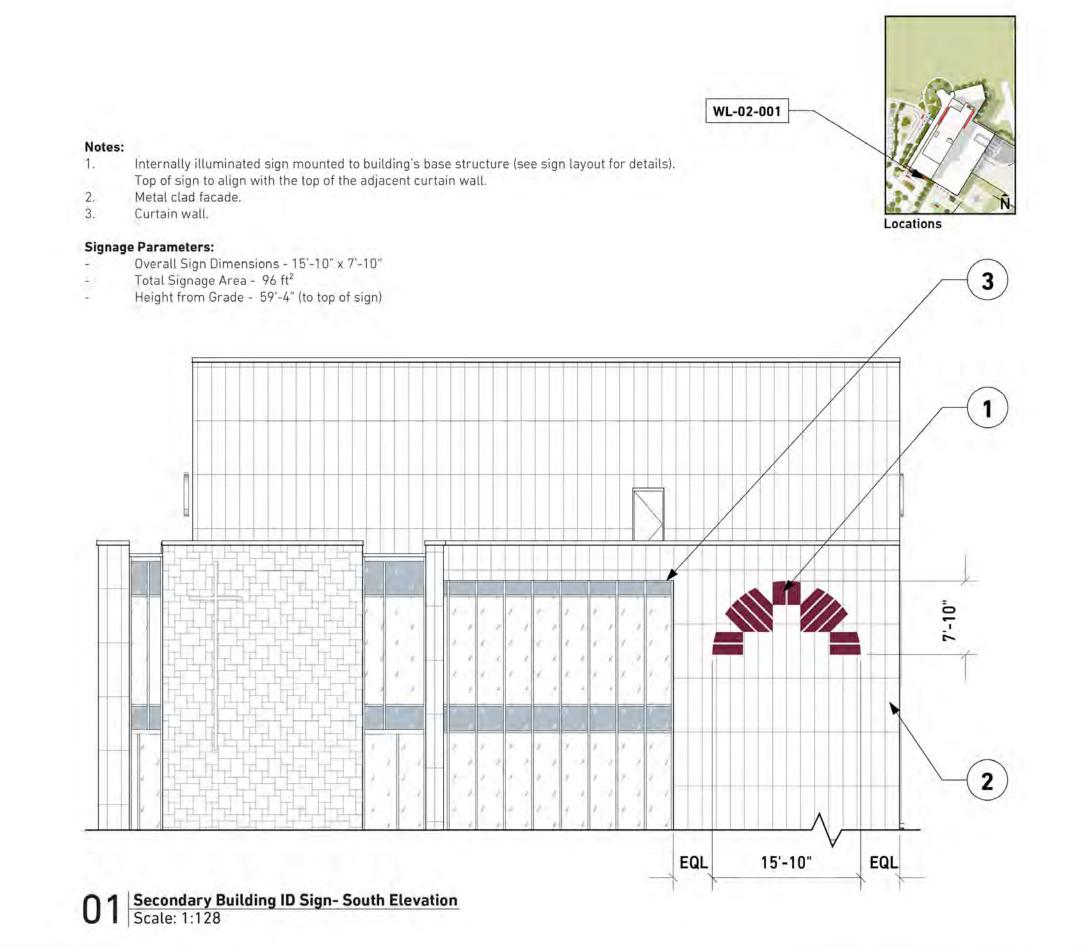
Revisions:

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

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 ft<sup>2</sup>
 Height from Grade - 69'-10" (to top of sign)

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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

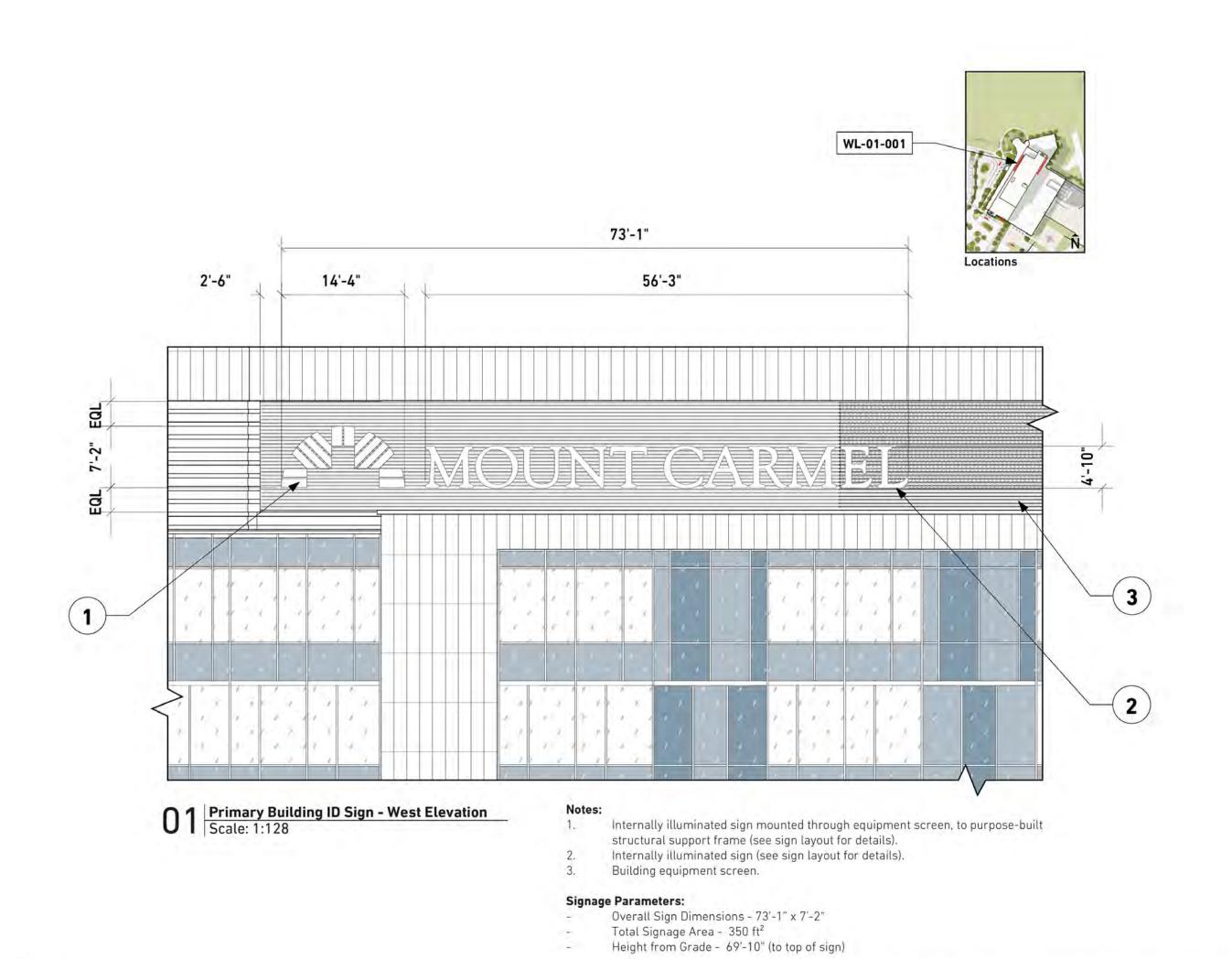
Revisions: Elevation Updated 07.13.2022

**Design Intent** 

Sign Name Primary Building ID Sign

**WL-01** 

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 10



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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

Elevation Updated 07.13.2022

**Design Intent** 

06.20.2022

Sign Name Primary Building ID Sign Wall

**WL-01** 

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

KORDA/NEMETH ENGINEERING CIVIL/MECHANICAL/ELECTRICAL/ PLUMBING/STRUCTURAL/ **TECHNOLOGY ENGINEER** KORDA 1650 WATERMARK DRIVE

KORDA

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200

COLMBUS, OH 43215 614.487.1650

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215 614.621.2796

**MOUNT CARMEL HEALTH SYSTEM** 



PARKWAY

DUBLIN, OH

△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

SIGN DETAILS 4

HGA NO: 1927-004-00

DATE: SEPTEMBER 06, 2022 FINAL DEVELOPMENT

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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.

(Primary Campus Intersections)

Total Signage Area: 28.162 ft

O1 Front View
Scale: 1:32

O2 End View Scale: 1:32

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MOUNT CARMEL A Member of Trinity Health

Mount Carmel Northwest Health Wayfinding Signage System

Project Number: C22524 Wayfinding Signage System

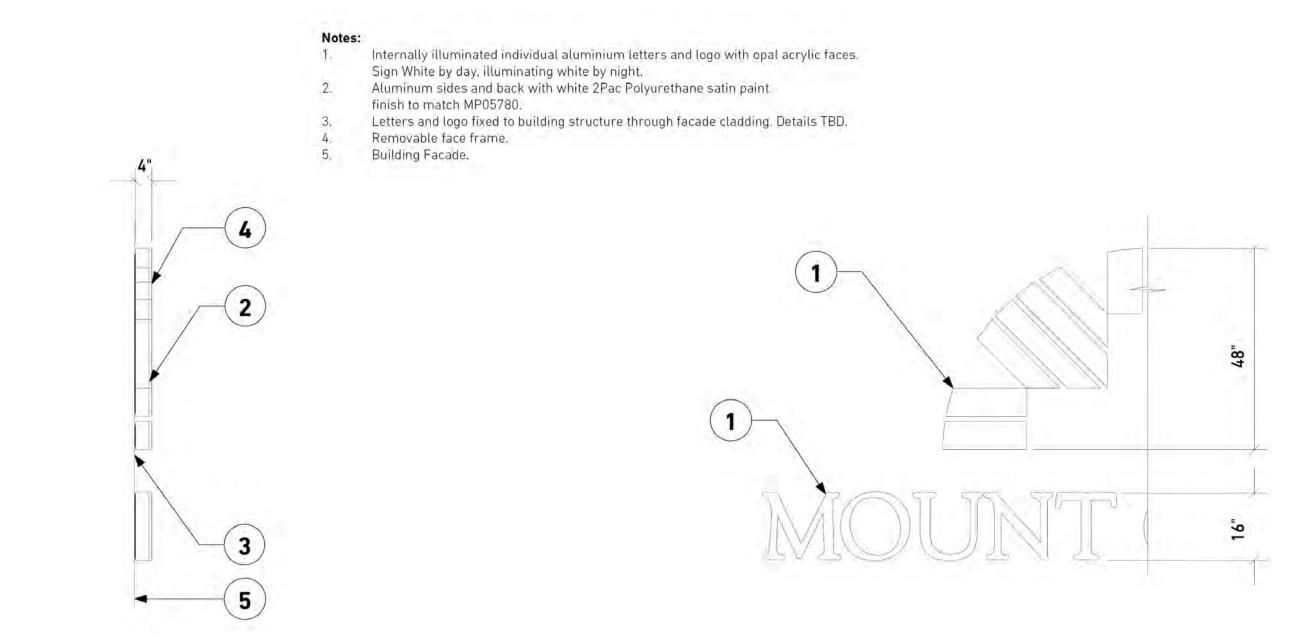
Exterior Signage Design Updates Issued For Coordination & Discussion

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

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

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

Secondary Building ID Sign

WL-03

**MOUNT CARMEL HEALTH SYSTEM** 

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KORDA/NEMETH ENGINEERING

CIVIL/MECHANICAL/ELECTRICAL/

PLUMBING/STRUCTURAL/

TECHNOLOGY ENGINEER

1650 WATERMARK DRIVE

462 SOUTH LUDLOW ALLEY COLUMBUS, OH 43215

COLMBUS, OH 43215

614.487.1650

614.621.2796

MOUNT CARMEL NORTHWEST HEALTH CAMPUS

4105 EMERALD

PARKWAY

DUBLIN, OH

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Exterior Signage Design Updates Issued For Coordination & Discussion

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

**EMERGENCY** → Main Hospital →
Medical Office Building →
Parking → MOUNT CARMEL DUBLIN SE-02 Secondary Site Entry Sign (Sawmill Road) SE-01 Primary Site Entry Sign (Emerald Parkway) (Bright Road) Total Signage Area: Total Signage Area: 50<sup>2</sup> ft EMERGENCY → DR-01 Primary Directional Sign DR-02 Secondary Directional Sign DR-03 Secondary Directional Sign

(Road & Main Campus Intersections)

Total Signage Area: 16.25² ft

(Secondary Campus Intersections)

Total Signage Area:

42 ft

MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 15

with white 2Pac Polyurethane satin paint finish to match MP03337. 1" push through day/night acrylic graphics. 1" push through day/night acrylic graphics with perforated burgundy vinyl 2" reveal between sign frame and top of sign footing with 2Pac Polyurethane paint finish to match MP41335SP. 12" high stone clad sign base. Stone to match architectural stone finish. Hairline panel joint. 17'-8" Mount Carmel Northwest Health Wayfinding Signage System Project Number: C22524 Wayfinding Signage System MOUNT CARMEL DUBLIN 06.20.2022 Revision A. Halo Lighting Added Design Intent O2 End View Scale: 1:24 O1 Front View Scale: 1:24 Sign Name Primary Site Entry Sign **Emerald Parkway** General Notes: Sign contractor to ensure sign structure, footings and fixings are fit for purpose. **SE-01** All footings and fixation methods to be certified by a qualified structural engineer licensed to practice in the state of Ohio.

△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

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

**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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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

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

Revision A.

Halo Lighting Added **Design Intent** Set Out

Sign Name Secondary Site Entry Sign Sawmill Road, Bright Road

**SE-02** 

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.

8'-8" **EMERGENCY** > Main Hospital 3 ← Medical Office Building ← Parking (2) Parking > O1 Front View Scale: 1:24 O3 Side View Scale: 1:24

General Notes:

1. 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.

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.

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: 1:24

5'-0"

**EMERGENCY** →

O1 Front View Scale: 1:24

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

Medical Office Building

Main Hospital >

⊕ Parking →

Scale: 1:24

6'-0"

**EMERGENCY** →

MOUNT CARMEL DUBLIN

Main Hospital >

Parking >4

Medical Office Building >

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

Internally illuminated emergency beacon with opal acrylic faces

and applied translucent red vinyl graphics to match PMS 186. Aluminum frame and top with white 2Pac Polyurethane satin paint finish to match MP03337. 0.5" opal acrylic, push through graphics with halo illumination. 1/4" reveal with 2Pac Polyurethane paint finish to match MP41335SP. Internally illuminated sign cabinet fabricated from 1/8" thick aluminum with white 2Pac Polyurethane satin paint finish to match MP03337. 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

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

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

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

Exterior Signage Design Updates

Halo Lighting Added

Sign Name

**DR-02** 

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**Issued For Coordination & Discussion** 

**Design Intent** 

Secondary Directional Sign (Road & Main Campus Intersections)

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

Main Hospital → Medical Office → Building Parking →

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

Scale: 1:12 O1 Front View Scale: 1:12

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

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

Finished back side when single sided sign required.

Applied vinyl graphics to match 3M Scotchcal Opaque 7725-17

architectural charcoal metal finish, TBD.

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

Applied vinyl graphics to match architectural charcoal metal finish, TBD.

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

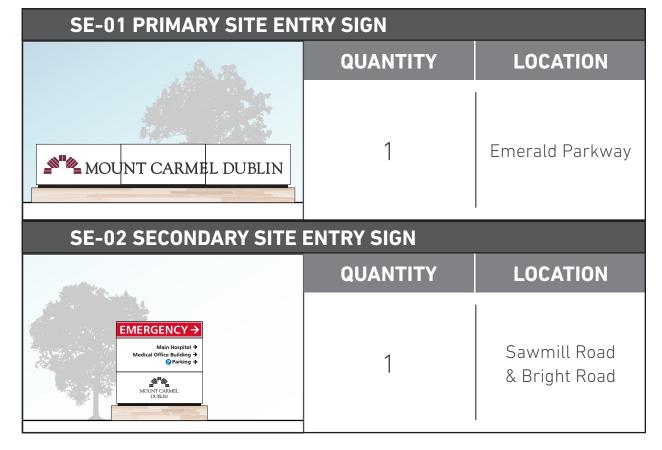
MOUNT CARMEL NORTHWEST HEALTH CAMPUS WAYFINDING SIGNAGE SYSTEM | SEPTEMBER 2, 2022 | 20

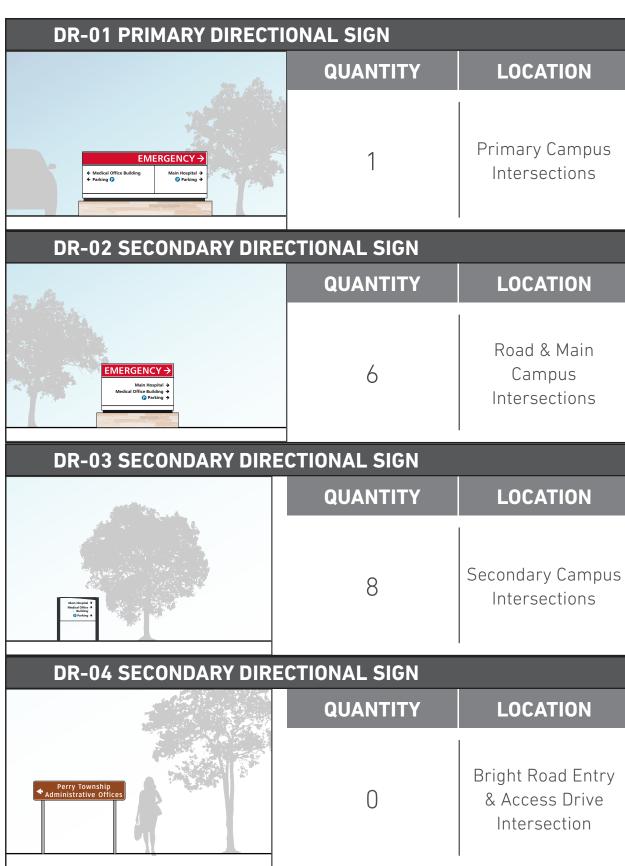
Scale: 1:24

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

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### **SIGN QUANTITIES**





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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:

**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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Project:

**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

**GENERAL - SIGN QUANTITIES & TYPES** 

### **COLORS & MATERIALS**



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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:** 

**Design Intent** 

Sign Name **GENERAL - MATERIALS & COLORS** 



**PANTONE MATCH:** 

**PAINT MATCH:** 

PMS 208 C

**MC BURGUNDY** 

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:** 

White

**PAINT MATCH:** 

MC WHITE

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:** 

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:

3M Scotchcal Opaque 7725-17 Vivid Blue

**VINYL-REFLECTIVE MATCH:** 

3M Scotchcal Reflective 680-76 Light Blue

**PANTONE MATCH:** 

ALUMINUM METAL

BRUSHED

PMS 877 C

**PAINT MATCH:** 

Mathews MP30136 Brushed Aluminum

**VINYL-TRANSLUCENT MATCH:** 

3M Scotchcal Translucent 3630-21

VINYL-OPAQUE MATCH:

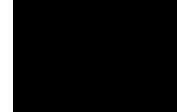
3M Scotchcal Opaque 7725-120 Satin Aluminum

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









































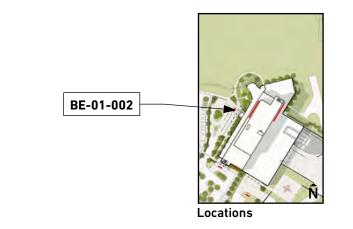


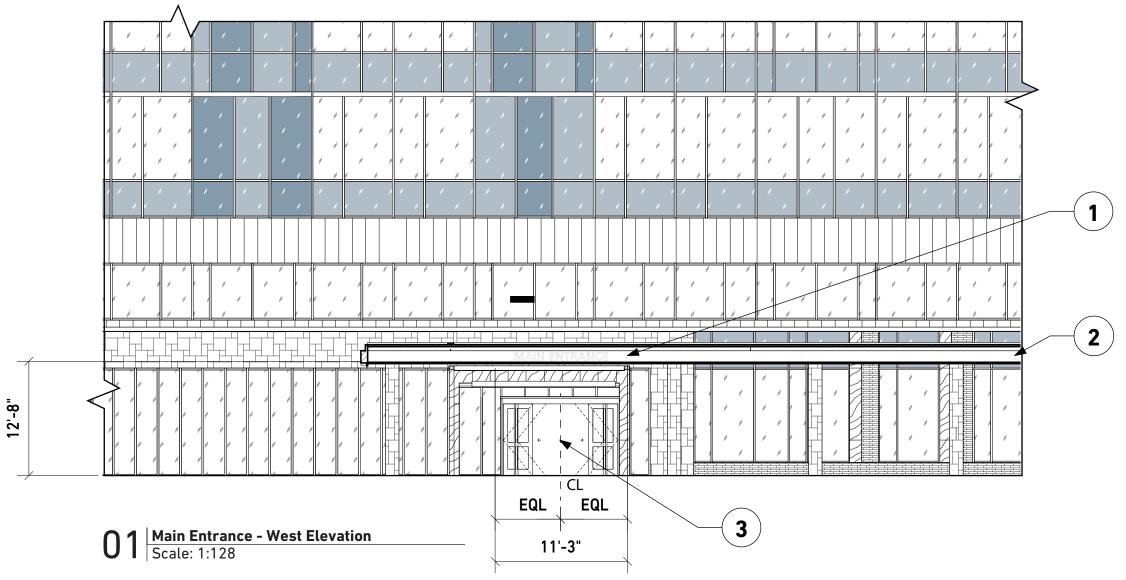


- Internally illuminated awning mounted sign (see sign layout for details).
- 2. Awning over entry.
- Sign centered over entry doors.

### Signage Parameters:

- Overall Sign Dimensions 11'-3" x 1-0"
- Total Signage Area 11.25 ft<sup>2</sup>
- Height from Grade 13'-8" (to top of sign)





## MKSK

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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** 

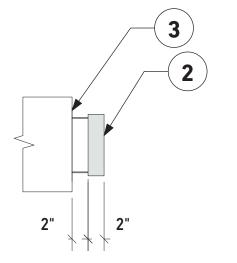
Set Out

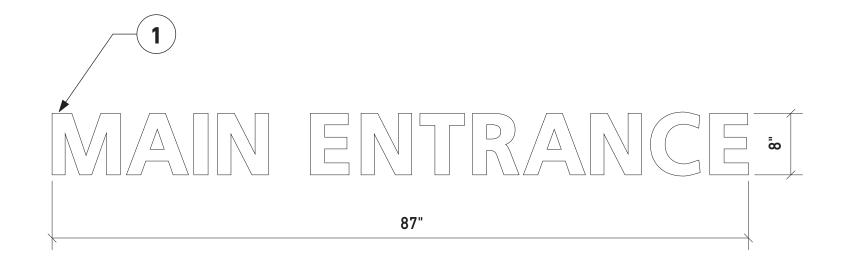
Sign Name

**Building Entrance Sign** 

Canopy

- 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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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 and Size Changes

**Design Intent** 

Detail

Sign Name

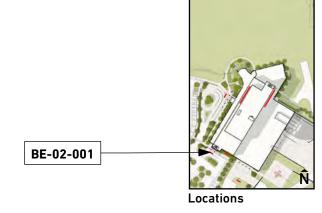
**Building Entrance Sign** 

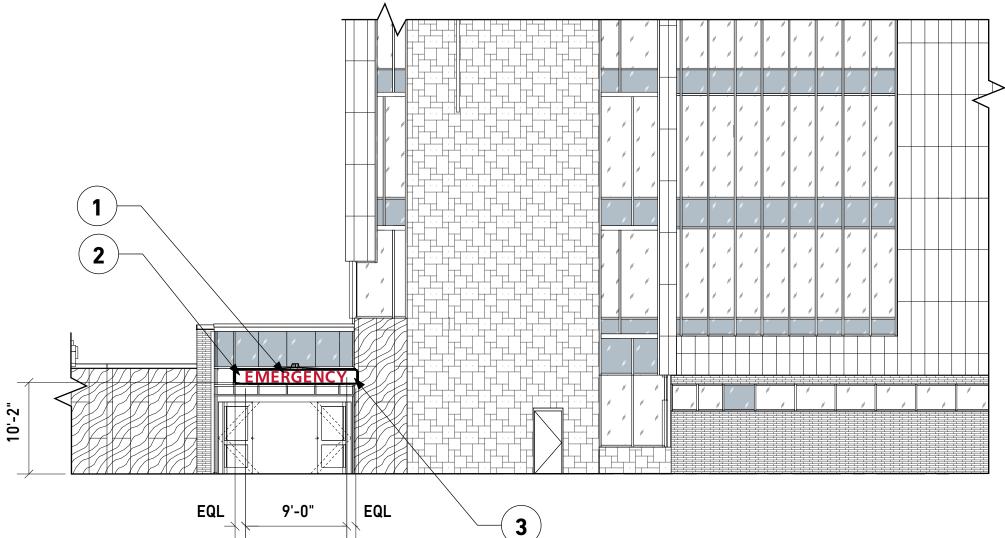
Canopy

- 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 ft<sup>2</sup>
- Height from Grade 11'-2" (to top of sign)





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

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**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

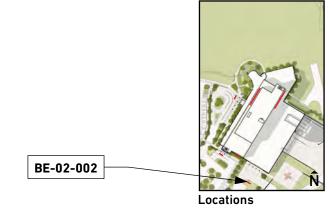
**Building Entrance Sign** 

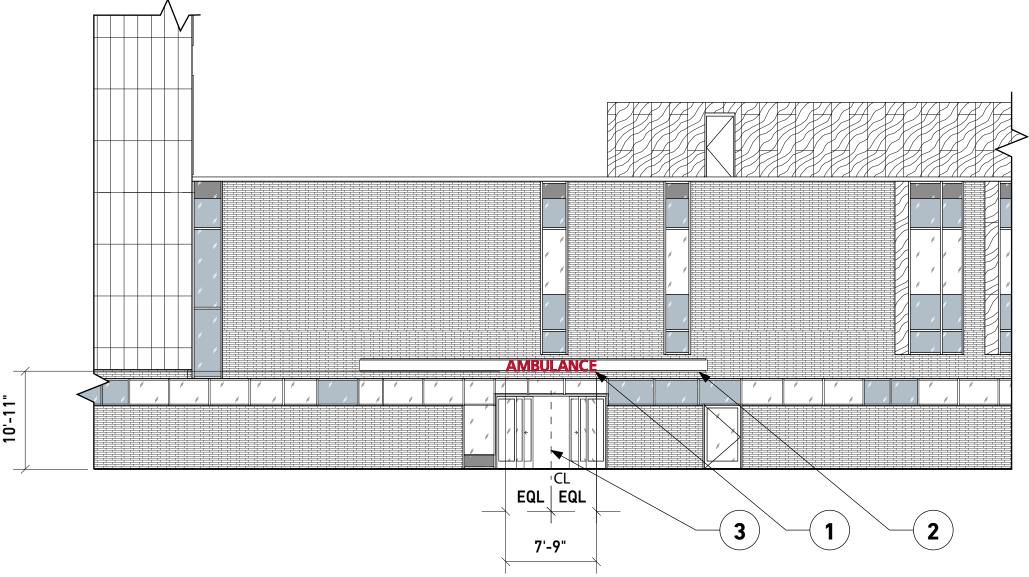
Canopy Emergency

- 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 ft<sup>2</sup>
- 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

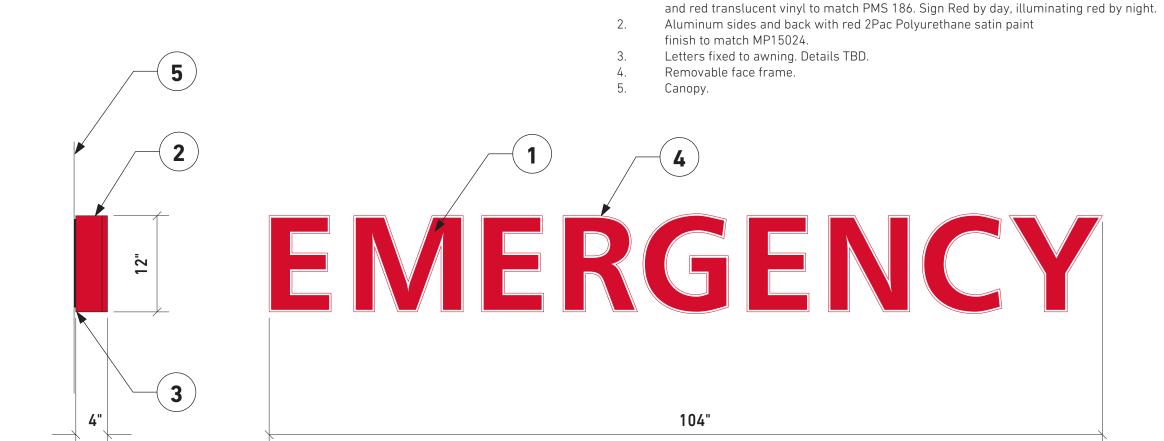
**Design Intent** 

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

# 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:** 

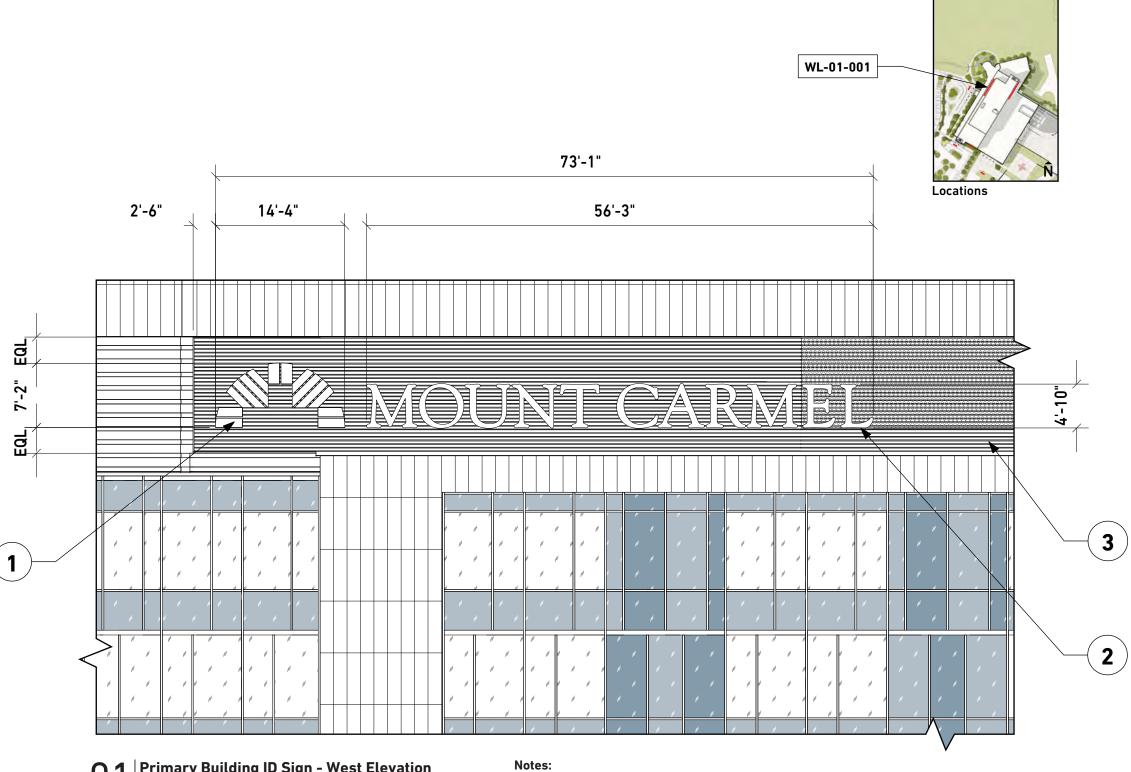
**Design Intent** 

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 ft<sup>2</sup>
- Height from Grade 69'-10" (to top of sign)

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Project Number: C22524 Wayfinding Signage System

Exterior Signage Design Updates
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06.20.2022

Revisions:

Elevation Updated 07.13.2022

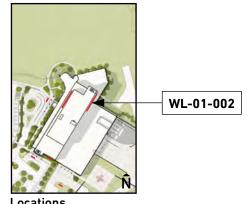
**Design Intent** 

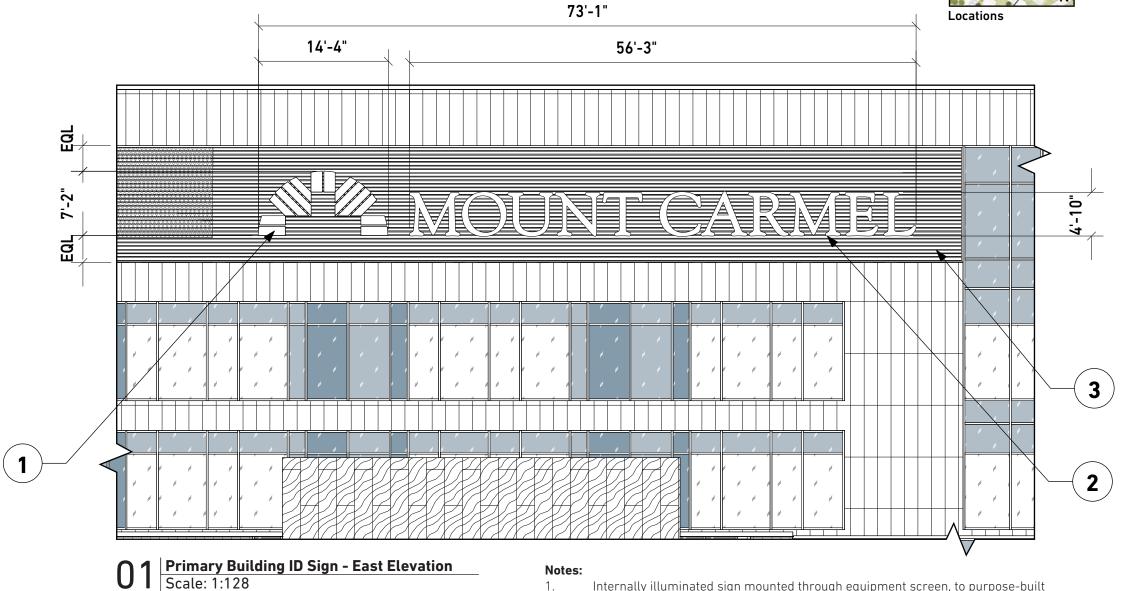
Set Out

Sign Name

Primary Building ID Sign

Wall





- 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 ft<sup>2</sup>
- Height from Grade 69'-10" (to top of sign)

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06.20.2022

Revisions:

Elevation Updated 07.13.2022

### **Design Intent**

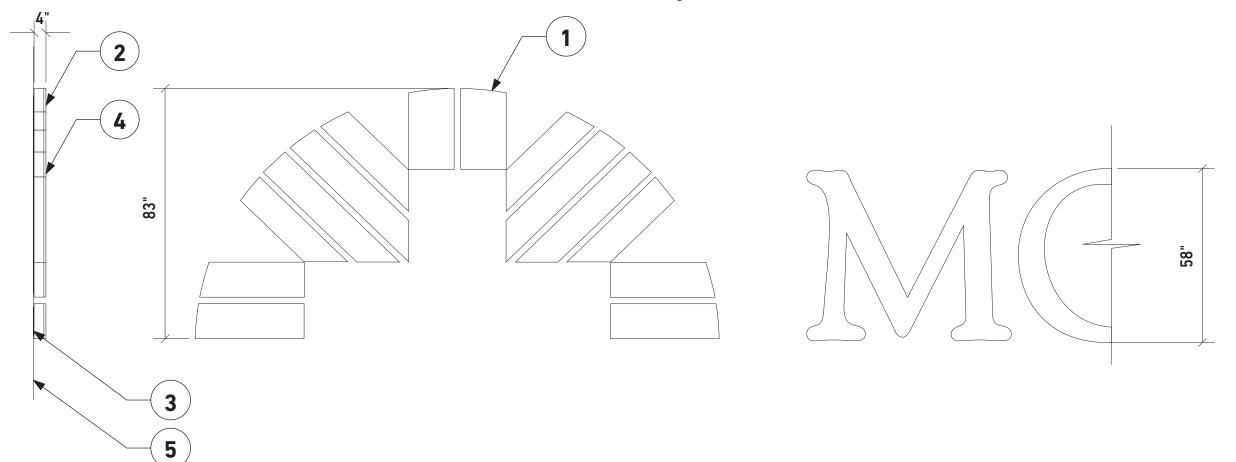
Set Out

### 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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**Project Number:** C22524 **Wayfinding Signage System** 

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

06.20.2022

**Revisions:** 

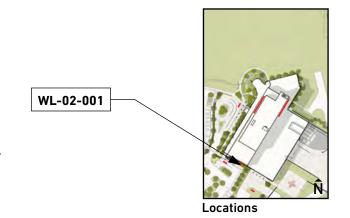
**Design Intent** 

Detail

Sign Name

Primary Building ID Sign

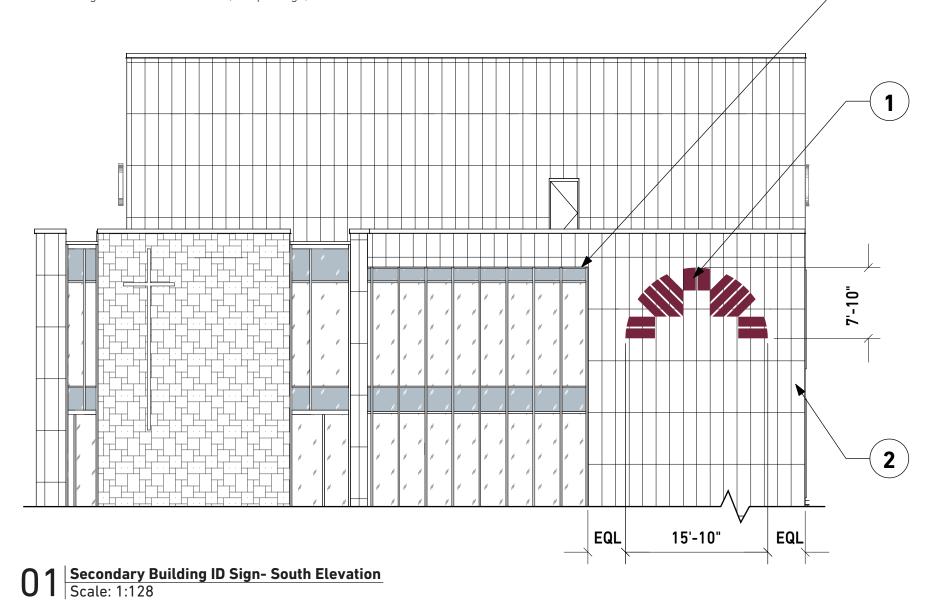
Wall



- 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 ft<sup>2</sup>
- Height from Grade 59'-4" (to top of sign)



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**Project Number:** C22524 **Wayfinding Signage System** 

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

06.20.2022

Revisions:

Elevation Updated 07.13.2022

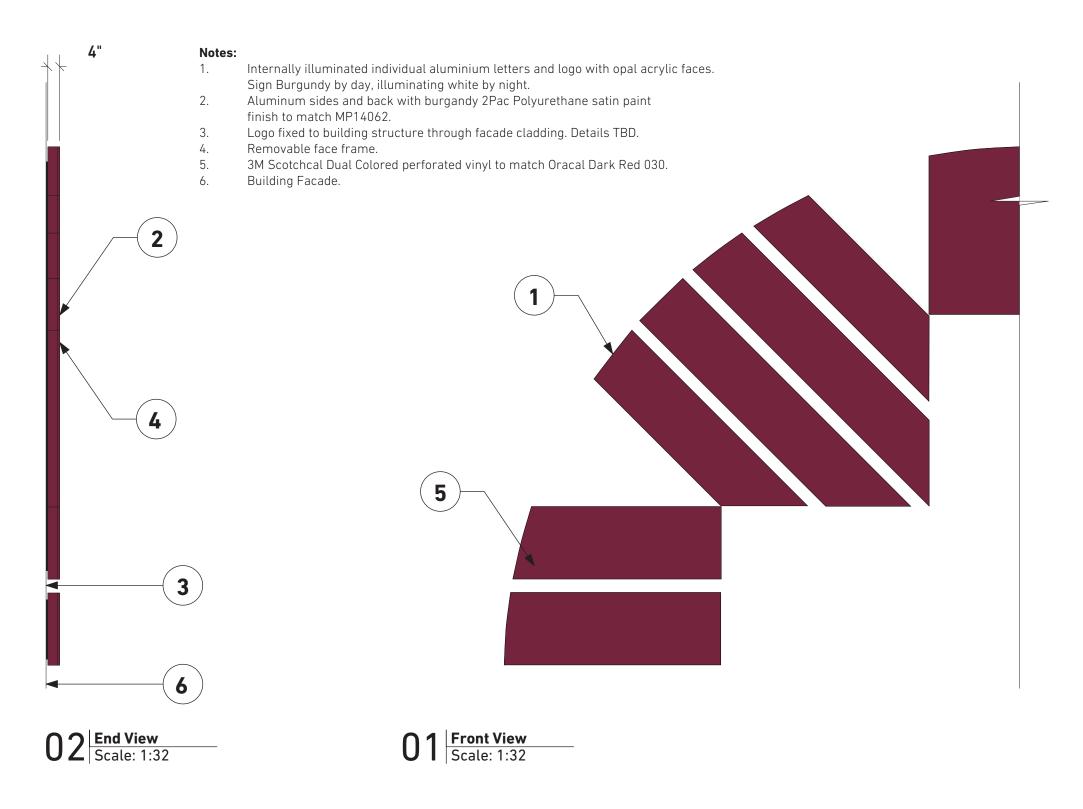
**Design Intent** 

Set Out

Sign Name

Secondary Building ID Sign

Wall



#### **General Notes:**

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

06.20.2022

**Revisions:** 

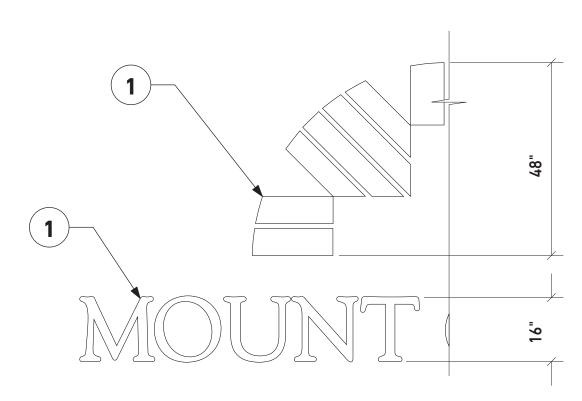
**Design Intent** 

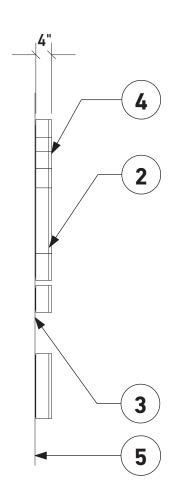
Detail

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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06.20.2022

**Revisions:** 

**Design Intent** 

Detail

Sign Name

Secondary Building ID Sign

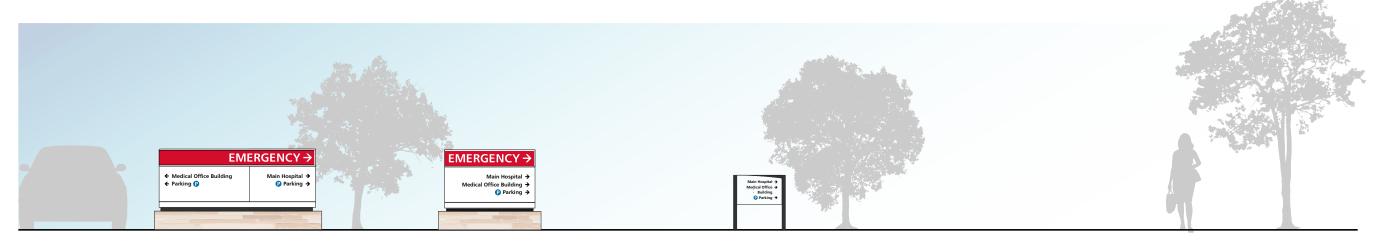


SE-01 Primary Site Entry Sign (Emerald Parkway)

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: 28.16<sup>2</sup> ft

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

Total Signage Area: 16.25<sup>2</sup> ft

DR-03 Secondary Directional Sign (Secondary Campus Intersections)

Total Signage Area: 4<sup>2</sup> ft