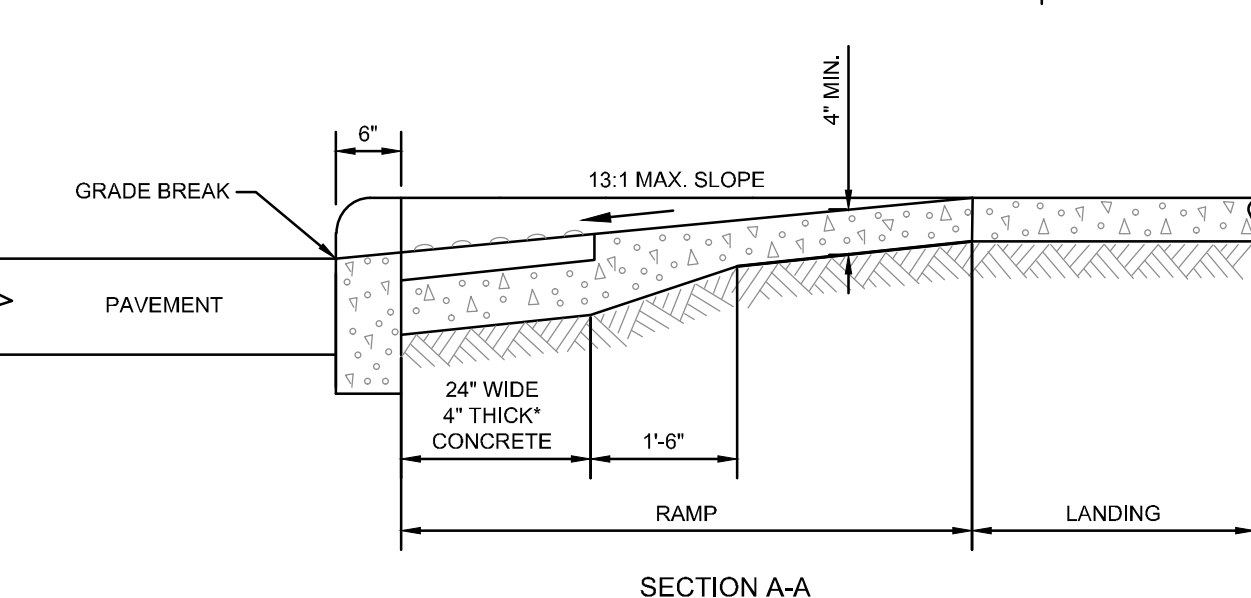
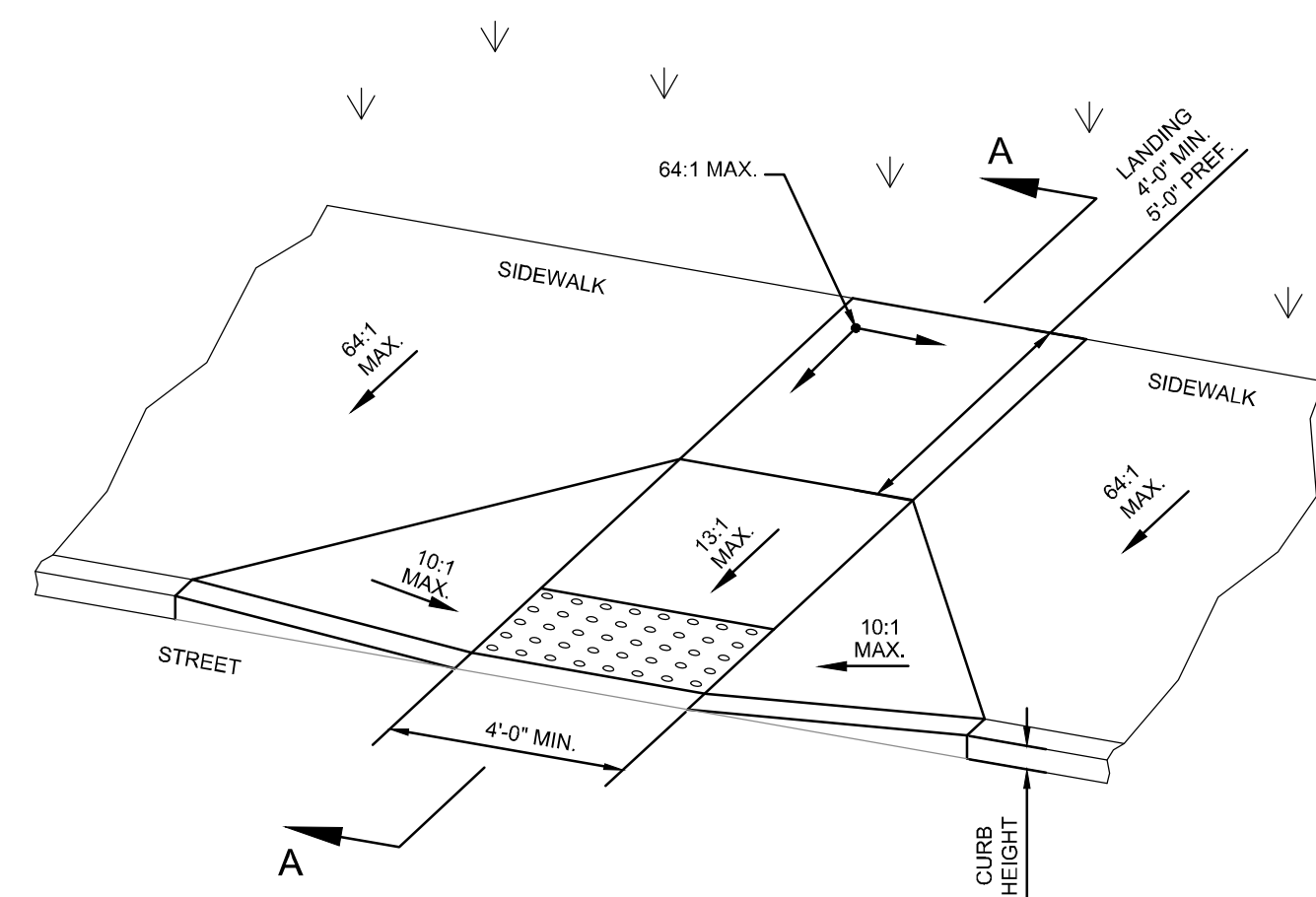


**NOTES:**

- INSTALL EXPANSION JOINTS AT 30' OC MAXIMUM AND WHERE SLAB ABUTS STRUCTURES, WHERE NEW WALK ABUTS ADJOINING WALK. SAWCUT EXISTING WALK TO NEAREST JOINT AND INSTALL EXPANSION JOINT. EXPANSION JOINTS SHALL BE 1/2" WIDE BY DEPTH OF SLAB. SEAL ALL EXPANSION JOINTS.
- INSTALL CONTROL JOINTS AT 8' OC MAXIMUM. CONTROL JOINTS SHALL BE 3/8" WIDE BY 1 1/2" DEEP. JOINTS TO BE TOoled, SAWED.
- WALK SHALL HAVE A MINIMUM CROSS SLOPE OF 0.100%, MAXIMUM CROSS SLOPE OF 2.00%.
- WATER AND UTILITY BOXES IN THE WALK AREA SHALL BE ADJUSTED FLUSH WITH THE FINAL SURFACE.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AT ALL BUILDING DOORS.
- JOINTING PLANS MUST BE SUBMITTED FOR APPROVAL.

**EXTERIOR CONCRETE SLAB WALK DETAIL**  
N.T.S.

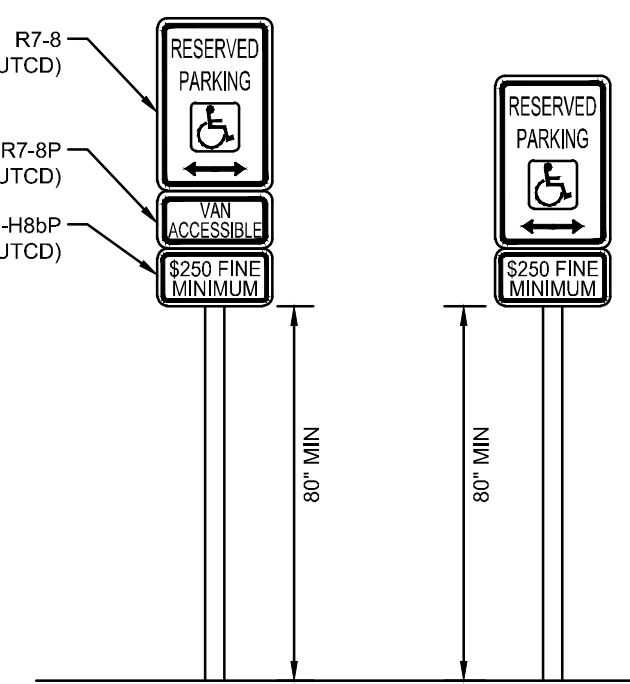


**CURB RAMP DETAIL - PERPENDICULAR WITH FLARED SIDES**  
N.T.S.

**NOTES:**

- WHILE RAMPS MAY BE SKEWED TO THE CROSSWALK, THE ENTIRE LOWER LANDING AREA MUST FALL WITHIN THE CROSS WALK THAT THE RAMP SERVES AND CANNOT BE LOCATED IN THE TRAVELED LANE OF OPPOSING TRAFFIC.
- THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITIONS SHALL BE 20:1 OR FLATTER.
- THE BOTTOM EDGE OF THE RAMP SHALL CHANGE PLANES PERPENDICULAR TO THE LANDING.
- THE EDGE OF THE CURB SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER AND SURFACE SLOPES THAT MEET GRADE BREAKS SHALL ALSO BE FLUSH.
- RAMP LANDINGS SHALL BE 4' MIN. X 4' MIN. WITH A 64:1 OR FLATTER CROSS SLOPE AND RUNNING SLOPE.
- DETECTABLE WARNINGS:** INSTALL DETECTABLE WARNINGS ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN IN SEPARATE DETAIL. INSTALL THESE PROPRIETARY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- DRAINAGE:** CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP SLOPES. VERTICAL CHANGE IN LEVEL EXCEEDING 1/2" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.
- SURFACE TEXTURE:** TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
- JOINTS:** PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 688.3 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A 1/2" ITEM 705.03 EXPANSION JOINT FILLER AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT LINES.

\*WHERE POSSIBLE, POUR RAMP AREA INTEGRAL WITH THE CURB. OTHERWISE USE 6" THICK WALK.



**GENERAL NOTES:**

- U-TYPE FLANGED STEEL SIGN POST SET IN EARTH 1" OUTSIDE PAVEMENT EDGE, OR IN CONCRETE TO A MINIMUM DEPTH OF 3'-0" IF WITHIN PAVEMENT.
- R7-8 NOTES:**
- 12"x18"x16 GA. STEEL SIGN
  - GREEN LETTERING, BORDER, AND ARROW WITH WHITE BACKGROUND. WHITE HANDICAP SYMBOL IN BLUE BOX.
- R7-8P NOTES:**
- 12"x6"x16 GA. STEEL SIGN
  - GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.
- R7-8BP NOTES:**
- 12"x6"x16 GA. STEEL SIGN
  - GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

**NOTE:**

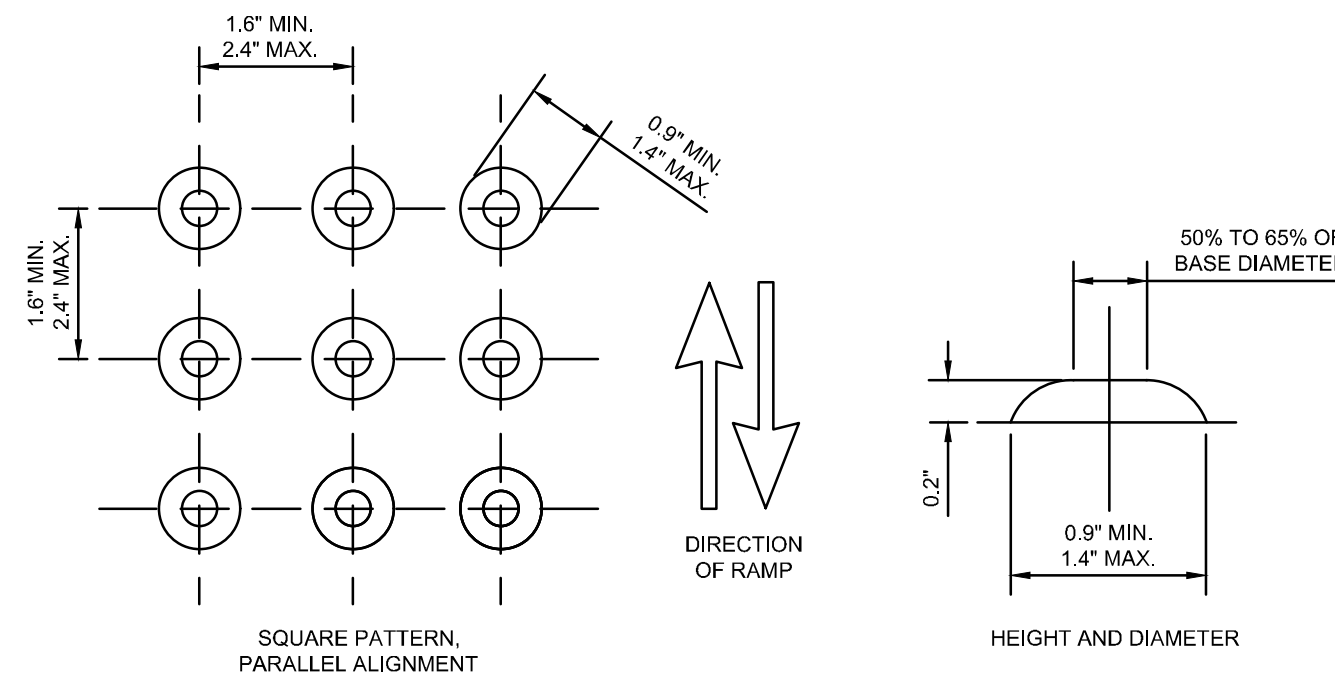
- ONE ACCESSIBLE PARKING SPACE FOR EVERY SIX OR FRACTION THERE OF SHALL BE DESIGNATED AS "VAN ACCESSIBLE". LOCATION AS NOTED ON THE DRAWINGS.
- ONE SIGN TO BE INSTALLED AT EACH ACCESSIBLE PARKING SPACE

**ACCESSIBLE PARKING SIGN DETAIL**  
N.T.S.

**NOTES:**

**GENERAL**

- DETECTABLE WARNINGS ARE A DISTINCTIVE SURFACE PATTERN OF TRUNCATED DOMES WHICH ARE DETECTABLE BY CANE OR UNDERFOOT TO ALERT PEOPLE WITH VISION IMPAIRMENTS OF THEIR APPROACH TO STREETS AND HAZARDOUS DROP-OFFS.
- PLACEMENT**
- DETECTABLE WARNINGS ARE TO BE INSTALLED AT ANY LOCATION WHERE PEDESTRIANS MIGHT CROSS PATHS WITH VEHICULAR TRAFFIC LANES, SUCH AS THE BASE OF CURB RAMPS OR AT BLENDED CURBS. A 24" STRIP OF DOMES IS TO BE INSTALLED FOR THE FULL WIDTH OF THE RAMP OR WALK.
  - THE DEPTH OF CONCRETE UNDERNEATH DETECTABLE WARNING PRODUCTS SHALL BE A MINIMUM OF 4".
- PRODUCTS & COLORS**
- COLOR OF THE DETECTABLE WARNINGS SHOULD CONTRAST WITH SURROUNDING CONCRETE WALK AND RAMP. BLACK IS NOT AN ACCEPTABLE COLOR. APPROVED PRODUCTS AND GUIDANCE ON COLOR MAY BE FOUND ON THE ODOT OFFICE OF ROADWAY ENGINEERING SERVICE'S DETECTABLE WARNINGS APPROVED LIST. INSTALL PRODUCTS AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.



**DETECTABLE WARNINGS DETAIL**  
N.T.S.

**GENERAL NOTES**

- THE CITY OF CINCINNATI AND THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT CMS), INCLUDING ALL SUPPLEMENTS, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THIS PLAN. ENGINEER REFERENCES TO MEASUREMENT AND PAYMENT IN THE ODOT CMS UNLESS NOTED OTHERWISE, IN THE CASE OF CONFLICTS BETWEEN THE ODOT CMS AND THE CITY OF CINCINNATI REQUIREMENTS, THE CITY OF CINCINNATI REQUIREMENTS SHALL PREVAIL.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES WHO ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE OHIO EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
- THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM HIMSELF CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE HIM FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE CONTRACT.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR EXPENSES INCURRED DUE TO SOIL CONDITIONS, GROUNDWATER, AND/OR ROCK EXCAVATION, ALL OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE COST OF ALL DEWATERING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED.
- ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AS DIRECTED BY THE DIRECTOR OF PUBLIC UTILITIES OR HIS REPRESENTATIVE.
- ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), DIVISION OF WATER, WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISION CODE SECTION 1521.01 AND IN ACCORDANCE WITH SUCH FACILITY IS COMPLETED IN ACCORDANCE WITH SECTION 1521.18 OF THE OHIO REVISED CODE. FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: DIVISION OF WATER, OHIO DEPARTMENT OF NATURAL RESOURCES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224, (614)2656717.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE ODNR FOR THE REGISTRY, MAINTENANCE AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN CONSTRUCTION OF THIS PROJECT.
- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
- ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE SAWCUT BEFORE REMOVAL. IF DURING CONSTRUCTION, THE PAVEMENT, WALKWAY, CURB, ETC. IS DAMAGED BEYOND THE ORIGINAL SAWCUT, THE DAMAGED AREA SHALL BE RE-CUT TO NEAR LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT TO PROVIDE A SMOOTH VERTICAL FULL DEPTH BUTT JOINT BETWEEN THE EXISTING PAVEMENT OR CURB AND THE PROPOSED PAVEMENT. CONTRACTOR SHALL LOCATE SOUND PAVEMENT EDGE AND CUT AND TRIM PAVEMENT TO A NEAR LINE, INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.

**GRADING NOTES**

- CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKIPPING OF BRANCHES, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
- ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR BURY/BORROW PITS AS NEEDED TO BALANCE THE SITE. GEOTECH AND ENGINEER MUST APPROVE AREAS PRIOR TO BURY/BORROW OPERATIONS. AS-BUILT OF BURY/BORROW PIT WILL BE REQUIRED AT COMPLETION OF CONTRACTOR WORK AND MUST BE SUBMITTED TO THE CONSTRUCTION MANAGER.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY CITY OF CINCINNATI AND THE OHIO EPA.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND SOON AS PRACTICAL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE ODOT ITEM 609.
- CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY.

**UTILITY NOTES**

- ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. THE DRAIN TILE AND/OR STORM SEWER SHALL BE CONNECTED TO THE CURB SUBDRAIN. STORM SEWER SYSTEM OR OUTLETTED INTO THE ROADWAY DITCH AS APPLICABLE. REPLACED DRAIN TILE/STORM SEWER SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- ALL EXISTING UTILITIES KNOWN TO EXIST HAVE BEEN SHOWN ON THESE PLANS IN THEIR APPROXIMATE LOCATION. PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE UTILITIES SHOWN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROTECTION AND/OR RELOCATION OF ANY UTILITIES THAT MAY EXIST AND ARE NOT SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.
- UTILITY POLES WITHIN INFLUENCE OF THE UTILITY OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO THESE CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.
- ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES AND CONFORM TO ADA REQUIREMENTS.
- ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
- ALL CATCH BASINS WITH DEPTH GREATER THAN 4' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611.
- ALL STORM AND SANITARY SEWER MANHOLES WITH A DEPTH GREATER THAN 4' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611.
- DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM AND SANITARY STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNEL PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ETC.
- ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION.
- THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTIONS ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
- ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
- SITE CONTRACTOR SHALL PICK UP ALL UTILITIES, WITH THE EXCEPTION OF DOWNSPOUTS, 5' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER.
- ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED.
- STORM SEWER PIPE LABELED "STM" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35 PER ODOT ITEM 707.45, PVC PROFILE PIPE PER ODOT ITEM 707.43, HIGH DENSITY POLYETHYLENE PER ODOT ITEM 707.33, ALUMINIZED CORRUGATED METAL ODOT ITEM 707.01, 707.02, OR REINFORCED CONCRETE PIPE, ODOT ITEM 706.03 CLASS IV. STORM SEWER PIPE LABELED "RSP" SHALL BE REINFORCED CONCRETE PIPE, ODOT ITEM 706.02 CLASS IV. ALL STORM IS TO BE INSTALLED PER ODOT ITEM 611. ALL STORM PIPE USED MUST HAVE A MANUFACTURER SPECIFIED FRICTION FACTOR OF 0.013 (N=0.913) OR LESS.
- ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED. ALL CATCH BASINS IN THE CURB ARE TO HAVE 2" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.
- FOR EXACT LOCATION OF DOWN SPOUTS & ROOF DRAINS, COORDINATE WITH CONSTRUCTION MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.
- ALL YARD DRAINS SHALL BE ONE OF THE FOLLOWING: NYLOPLAST-ADS DRAIN BASIN, NDS DURACAST FABRICATED PVC CATCH BASIN, AGRI-DRAIN CATCH BASIN, OR APPROVED EQUAL.
- ALL EXISTING INVERTS ALONG PROPOSED PIPE ALIGNMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SEWER.
- ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFF-SITE AREA MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
- THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.
- SANITARY SEWER SHALL BE SDR-35 OR APPROVED EQUAL AND CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF CINCINNATI. PIPE MUST MEET MINIMUM SLOPE REQUIREMENTS OF THE CITY OF CINCINNATI AND OHIO EPA. SANITARY SEWER SHALL BE INSTALLED AT A MINIMUM DEPTH OF FOUR FEET (4') UNLESS OTHERWISE NOTED. A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL WATERLINE CROSSINGS. SANITARY SERVICE JOINTS SHALL CONFORM TO ASTM D-3212.
- SANITARY SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, ASH TO MAX SIZE .075 OR 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.
- ALL WATERLINE CROSSINGS SHALL MAINTAIN A VERTICAL SEPARATION OF 18" MINIMUM. SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 18" BELOW WATERLINE AT ALL CROSSINGS. WATERLINE SHALL BE LOCATED A MINIMUM OF 10" HORIZONTALLY FROM ANY SANITARY SEWER. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERLINE PIPE. ONE FULL LENGTH OF WATERLINE PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE. ALL WATER SHALL HAVE A MINIMUM OF 4" OF COVER.
- WATERLINE SHALL BE DUCTILE IRON PIPE CLASS S2, MINIMUM 250 PSI. WATERLINE 2 INCHES AND UNDER TO BE "C" COPPER OR POLYBUTYLENE.

SEAL:	
NO.	DATE
	DESCRIPTION

**PARAMOUNT WORKS**  
CINCINNATI, OHIO

PROJECT NO:	200208.010
DATE:	
SCALE:	

**GENERAL NOTES & DETAILS**

SHEET NO.  
**C100**



VICINITY MAP  
N.T.S

LEGEND	
○	IRON PIN FOUND (SIZE AS NOTED)
●	5/8" IRON PIN SET
×	CROSS NOTCH
△	MAG NAIL FOUND
▲	MAG NAIL SET
○	SANITARY MANHOLE
○	CLEAN OUT
○	MANHOLE
○	STORM MANHOLE
□	INLET
□	CATCH BASIN
□	DOWNSPOUT
□	GROUND LIGHT
□	TRANSFORMER
□	PULL BOX
□	LIGHT POLE
□	LAMP POST
□	ELECTRIC MANHOLE
□	UTILITY POLE
□	GUY WIRE
□	ELECTRIC BOX
□	ELECTRIC METER
□	GUARD POST
□	PARKING METER
□	FENCE POST
□	GAS VALVE
□	WATER VALVE
□	FIRE HYDRANT
□	WATER SERVICE
□	WATER MANHOLE
□	SINGLE POST SIGN
□	TELEPHONE MANHOLE
□	TRAFFIC BOX
□	TRAFFIC SIGNAL POLE
X	FENCE LINE
W	WATER LINE
G	GAS LINE
UT	UNDERGROUND TELEPHONE
UE	UNDERGROUND ELECTRIC
OU	OVERHEAD UTILITIES
---	SANITARY SEWER
---	STORM SEWER
■	ASPHALT
■	CONCRETE

**NOTES:**

- SOURCE DOCUMENTS AS NOTED.
- OCCUPATION IN GENERAL FITS SURVEY.
- MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED.
- HORIZONTAL DATUM IS BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM SOUTH ZONE (OSPC) AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS), (NAD 83) (NGVD 29)
- PER A GRAPHICAL INTERPRETATION OF FEMA'S FLOOD INSURANCE RATE MAP NON-PRINTED PANEL NO. 3906100238E WITH AN EFFECTIVE DATE OF FEBRUARY 17, 2010. SUBJECT SITE IS LOCATED IN ZONE "X" OTHER AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD.
- SUBJECT SITE CONTAINS 217 PARKING SPACES OF WHICH 5 ARE DESIGNATED HANDICAP.
- AT THE TIME OF THE FIELD SURVEY, THERE WAS NO EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
- AT THE TIME OF THE FIELD SURVEY, THERE WAS NO EVIDENCE OF CHANGES IN STREET RIGHT OF WAY LINES.
- SUBJECT SITE HAS DIRECT VEHICULAR ACCESS TO GILBERT AVENUE, McMILLAN STREET AND KEMPER LANE.
- PROPERTY SHOWN HEREON CONSISTS OF THE AUDITOR'S PARCEL NO. 067-0003-0007-01 AND NO OTHER LAND.
- PROPERTY SHOWN HEREON IS CONTIGUOUS TO ADJOINING LANDS ALONG THE COMMON BOUNDARY LINES, WITH NO GAPS, GORES OR OVERLAPS.
- PROPERTY SHOWN HEREON IS ALL OF THE LANDS DESCRIBED IN FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. OH-FAM-16-001339.

NOTE:  
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2784 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



**THE KLEINGERS GROUP**  
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE  
www.kleingers.com  
6219 Centro Park Dr. West Chester, OH 45069  
513.779.7851

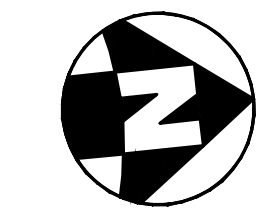
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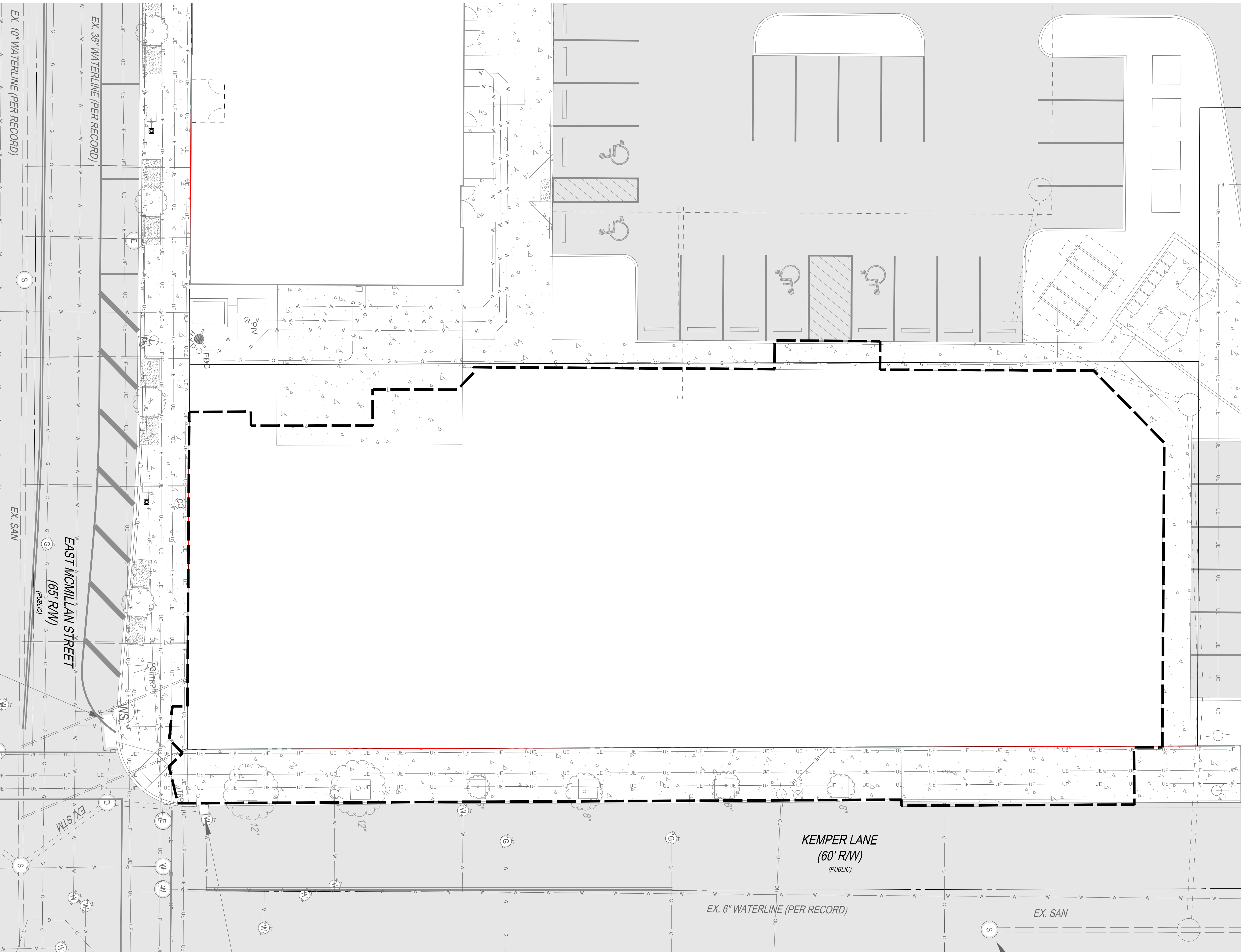
NO.	DATE	DESCRIPTION

**PARAMOUNT WORKS**  
CINCINNATI, OHIO

PROJECT NO: 200208.010  
DATE: \_\_\_\_\_  
SCALE: \_\_\_\_\_

SHEET NAME: **EXISTING CONDITIONS**  
SHEET NO: **C110**





PROPOSED LEGEND  
 ——— LIMITS OF DISTURBANCE

KEY NOTES ①

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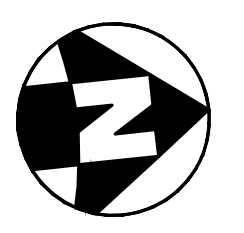


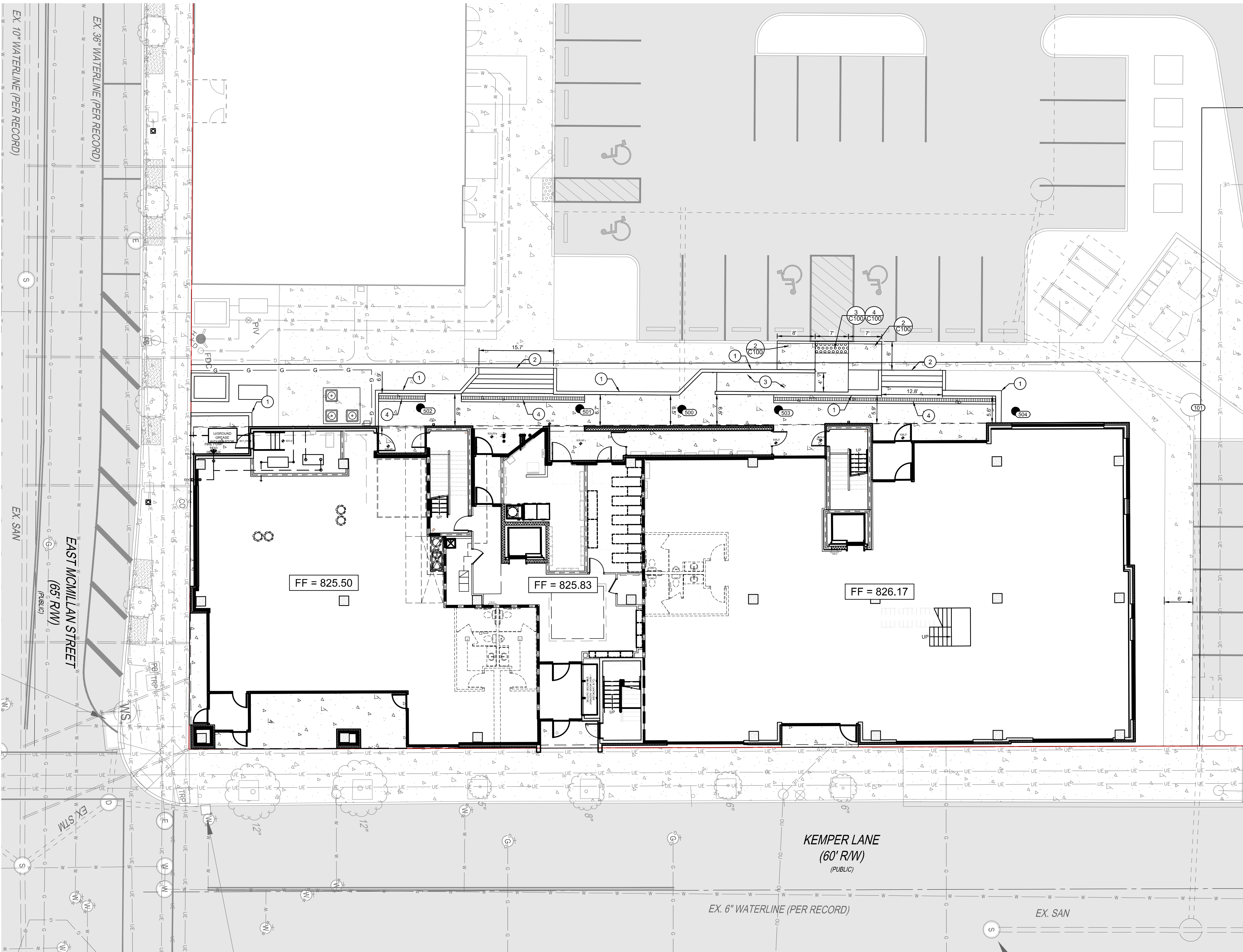
SHEET NAME:

**DEMOLITION PLAN**

SHEET NO.

**C120**





**PROPOSED LEGEND**

- CATCH BASIN
- CURB INLET
- YARD DRAIN
- HEADWALL
- MANHOLE
- STORM SEWER CLEANOUT
- DOWNSPOUT
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- CONCRETE WALK, DETAIL 1/C100

**KEY NOTES** ①

1. PROPOSED WALL, REFER TO GRADING PLAN FOR ELEVATIONS.
2. PROPOSED STEPS, REFER TO GRADING PLAN FOR ELEVATIONS.
3. PROPOSED RAMP, REFER TO GRADING PLAN FOR ELEVATIONS.
4. PROPOSED TRENCH DRAIN, REFER TO UTILITY PLAN FOR MORE INFORMATION.

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 SURVEYING | 6219 Centro Park Dr.  
 LANDSCAPE ARCHITECTURE | West Chester, OH 45069  
 513.779.7851

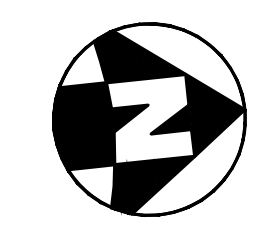
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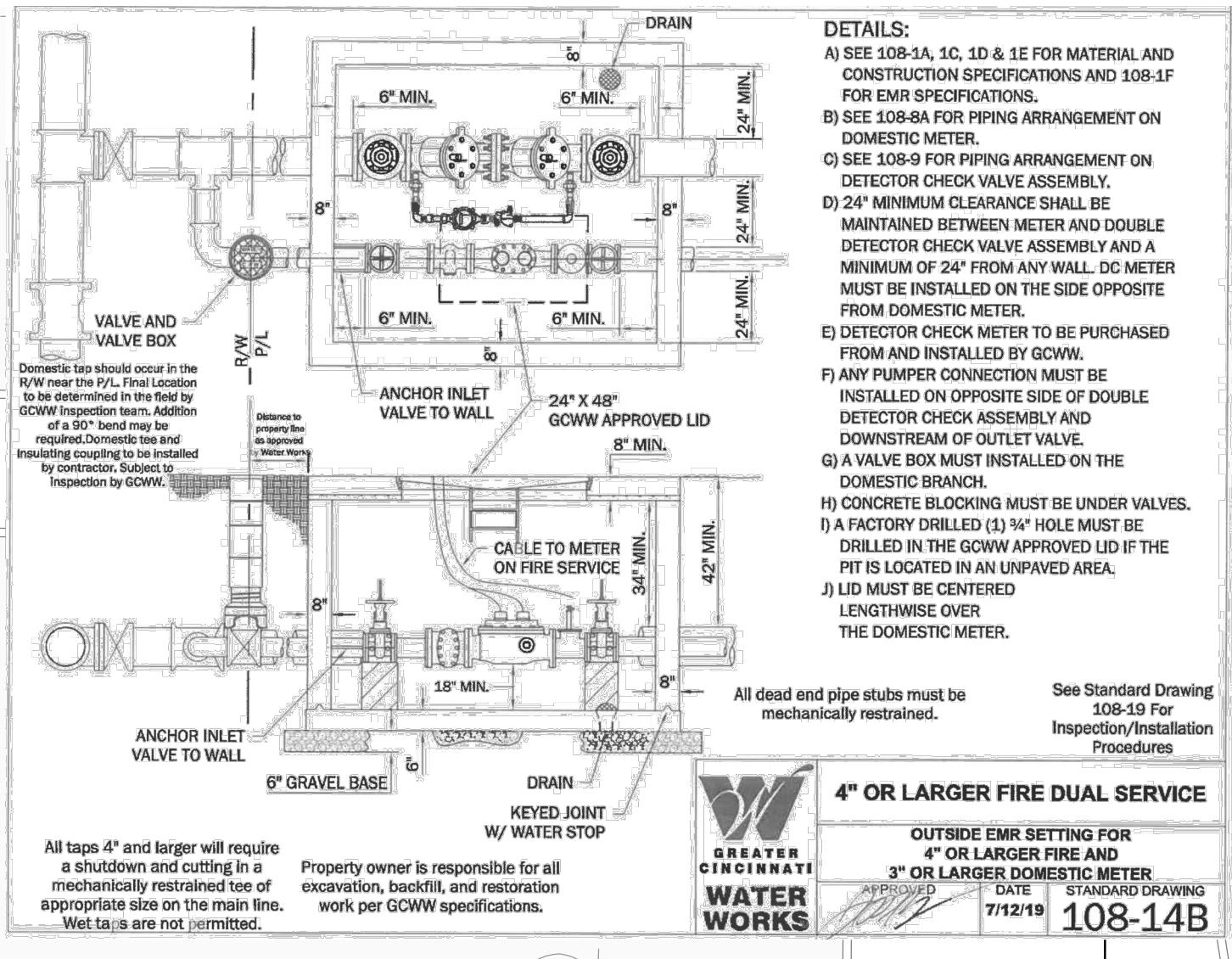
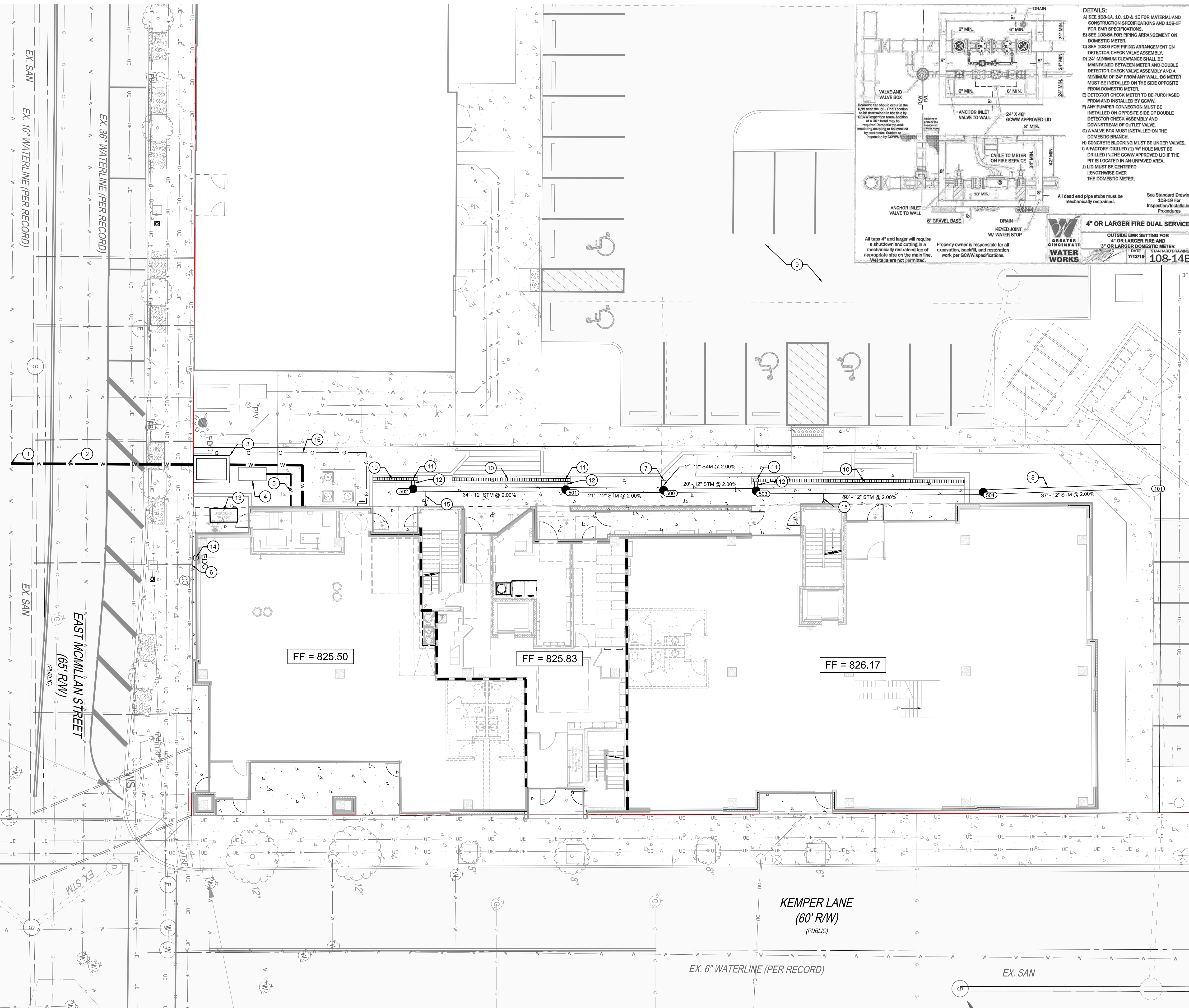
NO.	DATE	DESCRIPTION

**PARAMOUNT WORKS**  
 CINCINNATI, OHIO

PROJECT NO: 200208\_010  
 DATE:   
 SCALE:

SHEET NAME: **LOCATION PLAN**  
 SHEET NO: **C130**





- PROPOSED LEGEND**
- STM STORM SEWER PIPE
  - 100 CATCH BASIN
  - 100 YARD DRAIN
  - 100 MANHOLE
  - SAN SANITARY SEWER PIPE
  - CO SANITARY SEWER CLEANOUT
  - W WATERLINE PIPE
  - FD FIRE DEPARTMENT CONNECTION

- KEY NOTES**
- TAP EXISTING 10" WATER MAIN PER GCWW STANDARDS.
  - PROPOSED 6" COMBINED WATER SERVICE TO METER PIT.
  - DUAL SERVICE FIRE & DOMESTIC METER PIT PER GCWW STANDARD DRAWING THIS SHEET.
  - PROPOSED 6" FIRE SUPPRESSION WATER LINE TO BUILDING.
  - PROPOSED 4" DOMESTIC WATER LINE TO BUILDING.
  - CONTRACTOR TO LOCATE AND VIDEO THE EXISTING LATERAL TO VERIFY THE SIZE AND CONDITION, ONCE LOCATED, CLEAN THE LATERAL OF ALL DEBRIS DOWN TO THE MAIN FOR CONTINUED USE.
  - CONNECT PROPOSED STORM TO EXISTING STUB LEADING TO THE UNDERGROUND DETENTION BASIN.
  - PROPOSED OVERFLOW STORM PIPE.
  - EXISTING UNDERGROUND DETENTION.
  - PROPOSED ACO KLASSIKDRAIN KS200 WITH TYPE 647D/648D GRATES.
  - ACO INLINE CATCH BASIN AT DOWNSTREAM END WITH 8" OUTLET.
  - CONNECT 8" TRENCH DRAIN OUTLET TO STORM STRUCTURE.
  - GREASE INTERCEPTOR, REFER TO PLUMBING PLANS FOR DETAILS.
  - WALL MOUNTED FDC.
  - 8" DOWNSPOUT COLLECTOR, MINIMUM 18" COVER AND 2.00% SLOPE. CONNECT TO STORM SYSTEM.
  - GAS SERVICE SHOWN FOR REFERENCE, REFER TO PLUMBING PLANS FOR DETAILS.

- UTILITY PLAN GENERAL NOTES**
- EXISTING UTILITIES TO BE CAPPED/REMOVED AT EXISTING STRUCTURES OR AT THE RIGHT OF WAY.
  - CONNECT BUILDING FOUNDATION DRAIN LINE TO NEAREST STORM STRUCTURE.

- MSD NOTES**
- IF LOWEST LEVEL ELEVATION IS BELOW RIM ELEVATION OF UPSTREAM MANHOLE, THE MAIN LINE MUST BE BACKFLOW PREVENTION OR BE PUMPED TO GRAVITY.
  - A PERMIT IS REQUIRED BY MSD FOR THE STORMWATER TAP CONNECTION TO THE EXISTING COMBINED SEWER LINE. FOR QUESTIONS ABOUT MSD TAP PERMITS, CALL (513) 244-1330 OR EMAIL MSDTAPPERMITS@CINCINNATI-OH.GOV.

- SMU STANDARD PLAN NOTES**
- ALL PLANS AND CONSTRUCTION WITHIN THE CITY OF CINCINNATI SHALL COMPLY WITH CHAPTER 720 OF THE CITY'S MUNICIPAL CODE ALONG WITH THE LATEST EDITIONS OF SMU'S: A) DETENTION OPERATION AND MAINTENANCE PLAN, B) FEES, C) STANDARD DRAWINGS, D) PIPE MATERIALS POLICY, AND E) RULES & REGULATIONS. THESE DOCUMENTS CAN BE DOWNLOADED FROM SMU'S WEBSITE AT: [HTTP://WWW.CINCINNATI-OH.GOV/STORMWATER/](http://www.cincinnati-oh.gov/stormwater/). IF THERE ARE CONFLICTS BETWEEN THESE DOCUMENTS SMU SHALL BE CONTACTED TO RESOLVE THE ISSUE PRIOR TO WORK COMMENCING. SMU CAN BE REACHED AT 513-591-7746 OR STORMWATERMANAGEMENT@CINCINNATI-OH.GOV.
  - TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE INSTALLED AS EARLY AS POSSIBLE AND BE MAINTAINED THROUGHOUT THE PROJECT.
  - A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT IS REQUIRED IF THE TOTAL LAND DISTURBANCE WILL BE EQUAL TO OR GREATER THAN ONE ACRE IN A STORM ONLY SEWER AND/OR IF DISCHARGING TO A CREEK. A COPY OF THE PERMIT MUST ACCOMPANY THE REQUEST FOR APPROVAL OF THE PLAN.
  - SMU DOES NOT ALLOW TWO-PIECE CASTINGS OR SLAB TOP MANHOLES AND ONLY REINFORCED CONCRETE PIPE (RCP) OR DUCTILE IRON PIPE (DIP) IS PERMITTED WITHIN AN EASEMENT OR RIGHT-OF-WAY.
  - SMU DOES NOT ALLOW ANY DRAINAGE STRUCTURES WITHIN 5 FEET OF A DRIVEWAY.
  - ALL PUBLIC STORM DRAINAGE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND WITH THE LATEST EDITION OF THE CITY OF CINCINNATI SUPPLEMENT TO THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. IF THERE IS A CONFLICT BETWEEN THE GOVERNING SPECIFICATIONS THE MOST STRINGENT SHALL BE USED. SMU SHALL BE CONTACTED TO RESOLVE ANY DISCREPANCIES PRIOR TO WORK COMMENCING. SMU CAN BE REACHED AT 513-591-7746 OR STORMWATERMANAGEMENT@CINCINNATI-OH.GOV.
  - THE OWNERS OF ALL PROPERTIES SHOWN ON THIS IMPROVEMENT PLAN SHALL BE SUBJECT TO ALL APPLICABLE SEWER MAINLINE INSPECTION FEES, SERVICE CHARGES, ASSESSMENTS, TAP-IN CHARGES OR OTHER FEES, WHICH HAVE BEEN ESTABLISHED BY CITY COUNCIL, CITY OF CINCINNATI.
  - ALL WORK DONE ON STORMWATER INFRASTRUCTURE WITHIN THE CITY OF CINCINNATI MUST BE DONE BY A CONTRACTOR WHO IS AN APPROVED SEWER TAPPER PROPERLY LICENSED AND BONDED THROUGH THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI.
  - A STORMWATER TAP PERMIT IS REQUIRED FOR EACH BUILDING. BOND OR FINAL ACCEPTANCE OF THE MAIN LINE IS REQUIRED PRIOR TO ISSUANCE OF A TAP PERMIT. A SKETCH SHALL BE SUBMITTED BY THE PLUMBER, WHICH SHALL SHOW THE ELEVATION AND LOCATION OF THE STORMWATER TAP WITH RESPECT TO THE NEAREST STORM MANHOLE. A REQUEST FOR APPLICATION CAN BE SENT TO STORMWATERMANAGEMENT@CINCINNATI-OH.GOV.
  - ALL PUBLIC STORMWATER INFRASTRUCTURE THAT IS BEING TAPPED INTO MUST BE CORED AND INSPECTED AS PART OF THE TAP PERMIT PROCESS.
  - ALL STORMWATER INFRASTRUCTURE WITHIN THIS DEVELOPMENT IS TO BE PRIVATE AND MAINTAINED BY THE OWNER(S) [ONLY IF APPLICABLE].
  - STORMWATER INFRASTRUCTURE CONSTRUCTION MUST COMMENCE WITHIN 12 MONTHS AND BE COMPLETED WITHIN 36 MONTHS OF THE DATE OF APPROVAL SHOWN HEREON OR THESE PLANS BECOME VOID.
  - NEAR THE COMPLETION OF WORK ON ALL STORMWATER INFRASTRUCTURE, THE [CONTRACTOR/OWNER/DEVELOPER/ETC.] SHALL REQUEST CAGIS IDS FROM SMU. UPON COMPLETION OF THE WORK USING SAID IDS THE [CONTRACTOR/OWNER/DEVELOPER/ETC.] SHALL CLOSE CIRCUIT TELEVISION (CCTV) THE PUBLIC STORMWATER MAINLINES AS WELL AS PROVIDE DIGITAL PHOTOGRAPHS OF THE LINES AND STRUCTURES. THE CCTV SHALL BE PIPELINE ASSESSMENT CERTIFICATION PROGRAM (PACP)-COMPLIANT AND SUBMITTED TO SMU FOR APPROVAL.
  - FINAL ACCEPTANCE: IN ORDER FOR SMU TO GRANT FINAL ACCEPTANCE THE FOLLOWING MUST BE SUPPLIED: A. AS-BUILT DRAWINGS WITH ACCURATE LOCATIONS, DESCRIPTIONS, AND QUANTITIES OF THE INSTALLED MATERIALS. B. FINAL CLEANING AND INSPECTION BY THE OWNER OF THE INFRASTRUCTURE MUST BE COMPLETED AND WITHOUT CONFLICTS.
  - SMU RESERVES THE RIGHT TO REFUSE OWNERSHIP ON BEHALF OF THE CITY.

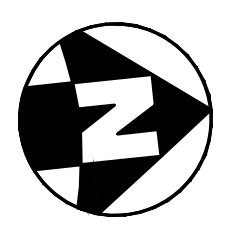
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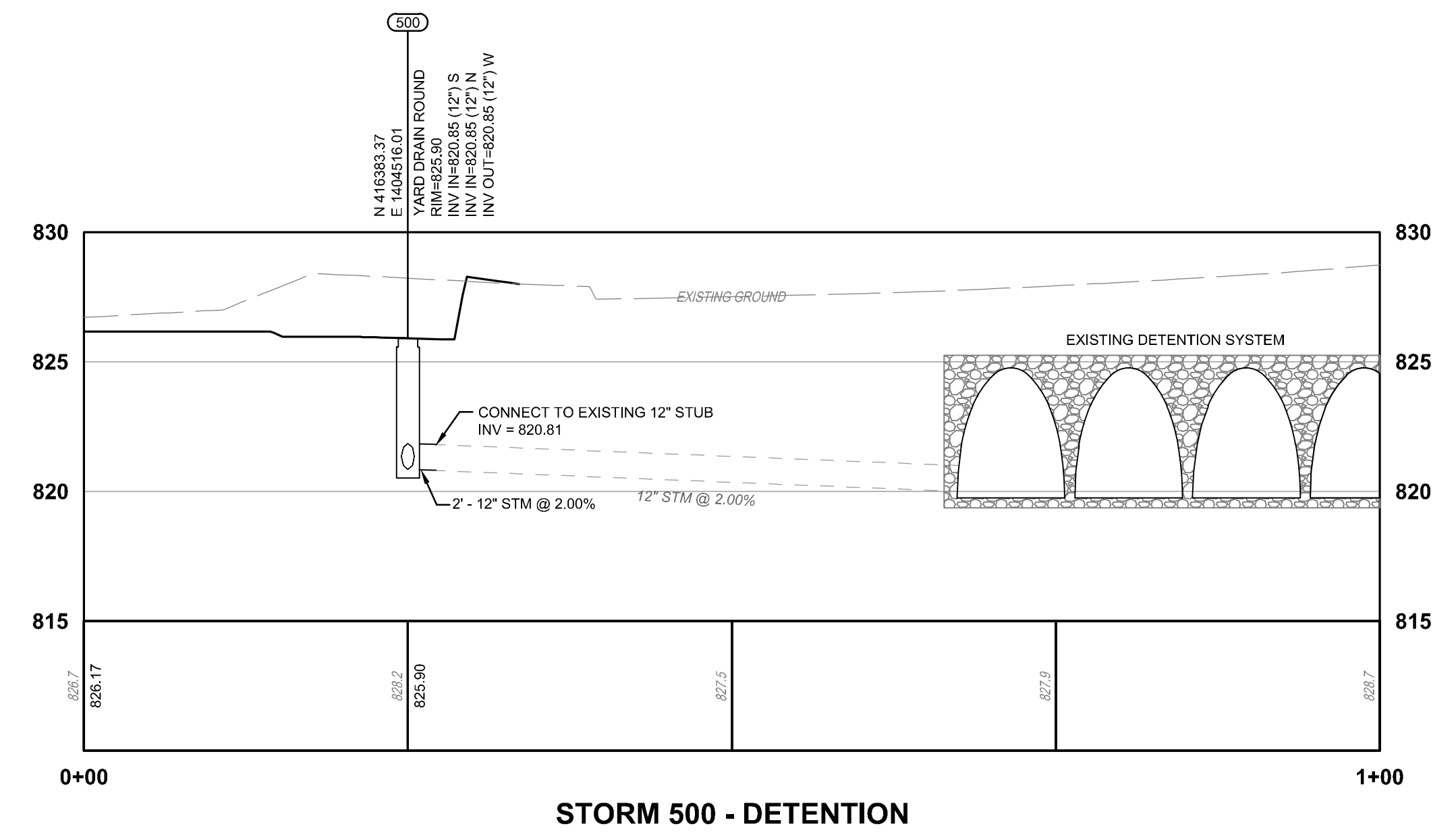
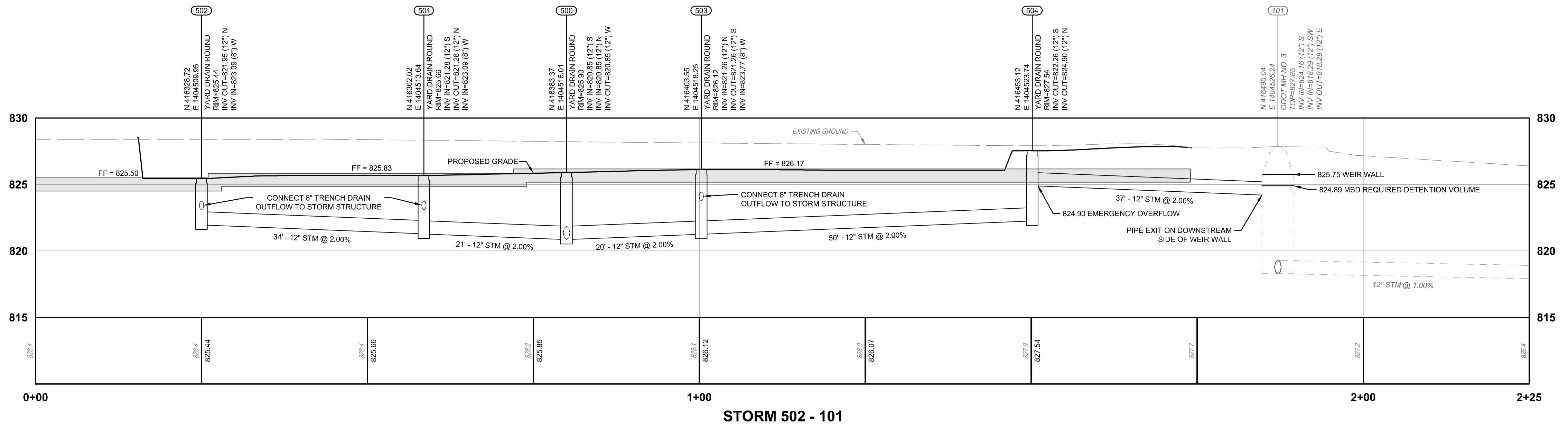
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**PARAMOUNT WORKS**  
CINCINNATI, OHIO

PROJECT NO: 200208.010  
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SHEET NAME: **UTILITY PLAN**  
SHEET NO: **C140**





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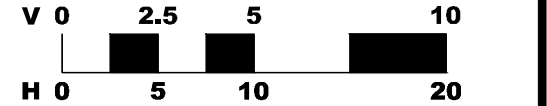
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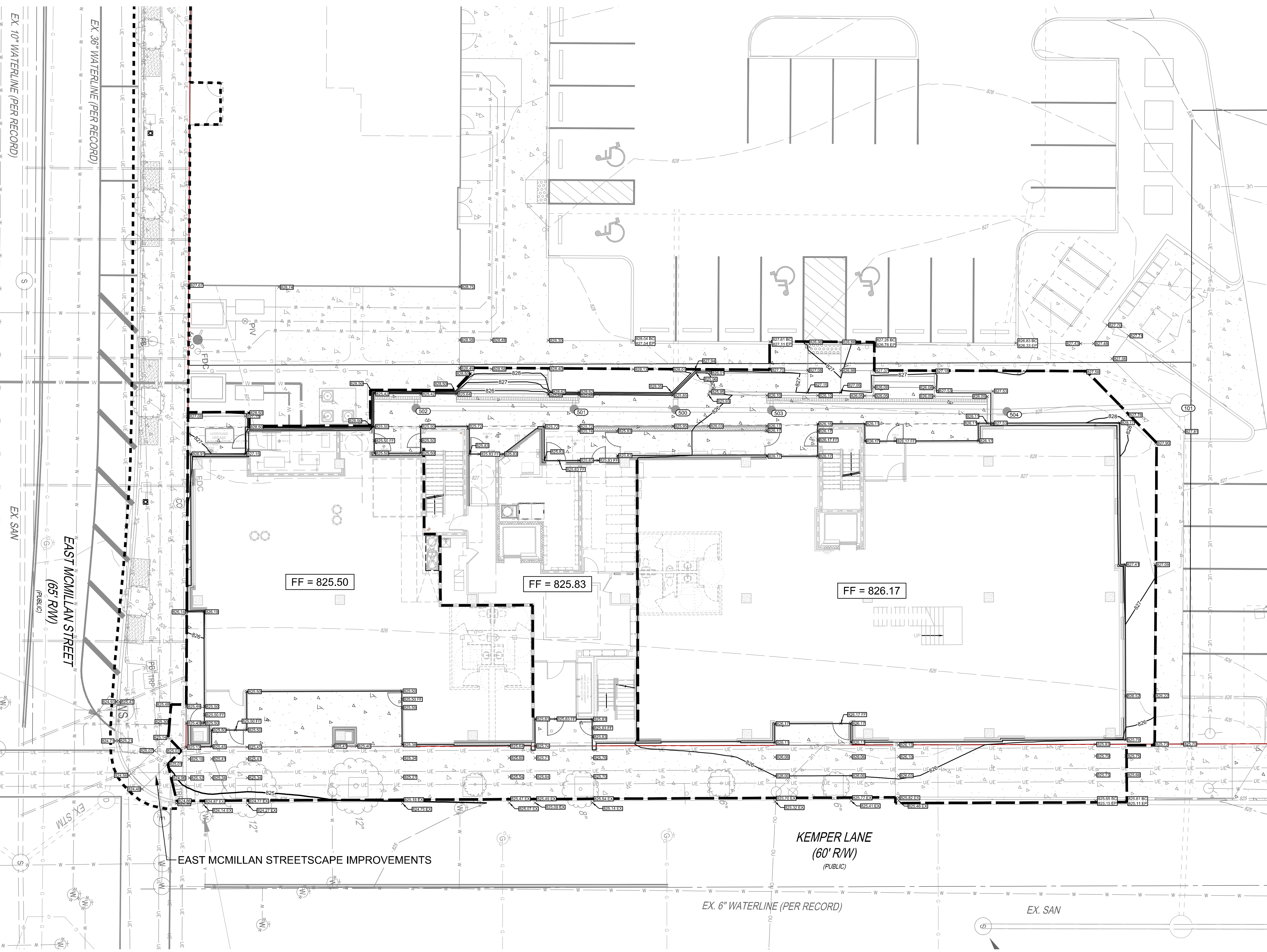


SHEET NAME:

**UTILITY PROFILES**

SHEET NO.

**C141**



- GRADING LEGEND**
- 1215 — EXISTING MAJOR CONTOUR
  - 1216 — EXISTING MINOR CONTOUR
  - 1215 — PROPOSED MAJOR CONTOUR
  - 1216 — PROPOSED MINOR CONTOUR
  - x 1215.00 PROPOSED SPOT ELEVATION
  - ~ PROPOSED SWALE
  - ➔ 100-YEAR FLOOD ROUTE

- PROPOSED EROSION CONTROL LEGEND**
- IP INLET PROTECTION
  - SF SILT FENCE
  - TP TREE PROTECTION
  - CWO CONCRETE WASHOUT
  - CONSTRUCTION ENTRANCE
  - ODOT TYPE C ROCK CHANNEL PROTECTION
  - LIMITS OF DISTURBANCE

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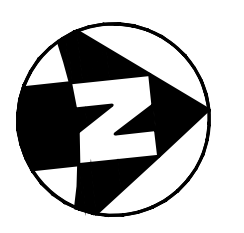
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**PARAMOUNT WORKS**  
 CINCINNATI, OHIO

PROJECT NO: 200208.010  
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SHEET NAME:  
**GRADING PLAN**

SHEET NO:  
**C150**



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