

CITY OF DAYTON

NEW POLICE STATION

WEST PATROL DISTRICT

10 Abbey Ave, Dayton, Ohio 45417

ARCHITECT

App Architecture

615 Woodside Drive
Englewood, Ohio 45322
(937) 836-8898

CIVIL ENGINEERS

Kabil Associates, Inc.

5900 Sharon Woods Blvd, Suite B
Columbus, Ohio 43229
(614) 899-8199

LANDSCAPE ARCHITECT

Yellow Springs Design, LLC

830 Xenia Ave.
Yellow Springs, Ohio 45387
(937) 767-8199

MECHANICAL & ELECTRICAL ENGINEERS

Nauman & Zelinski, LLC

204 South Ludlow Street, Suite 400
Dayton, Ohio 45402
(937) 223-3821

STRUCTURAL ENGINEER

Kabil Associates, Inc.

5900 Sharon Woods Blvd, Suite B
Columbus, Ohio 43229
(614) 899-8199

DRAWING INDEX

GENERAL	
G0.1A G0.2	SITE PACKAGE COVER SHEET ARCHITECTURAL SITE PLAN
CIVIL	
C0.0 C0.1 C0.2 C0.3 C0.4 C1.0 C2.0 C3.0 C4.0 C4.1 C5.0 C6.0 C6.1 C7.0 C7.1 C7.2 C7.3 C8.0 C8.1 C8.2	TITLE SHEET GENERAL NOTES GENERAL DETAILS GENERAL DETAILS GENERAL DETAILS SITE DETAILS EXISTING SURVEY SITE PREPARATION PLAN SITE PLAN SITE PLAN DETAILS UTILITY PLAN GRADING AND DRAINAGE PLAN GRADING DETAILS STORM PROFILES STORM PROFILES STORM PROFILES STORM PROFILES SWPPP TITLE SHEET SWPPP GENERAL EROSION CONTROL NOTES AND DETAILS SWPPP SITE EROSION CONTROL PLAN
LANDSCAPE	
L1.0	SITE LANDSCAPE PLAN
ELECTRICAL	
E1.1	SITE PLAN

VICINITY MAP



CODE INFORMATION

(OBC 2017)

PROJECT DESCRIPTION

PROJECT CONSISTS OF A SITE PACKAGE FOR A NEW POLICE STATION FOR THE CITY OF DAYTON.

THE BUILDING PACKAGE WILL BE SUBMITTED UNDER A SEPARATE PERMIT.

THE PROPOSED NEW BUILDING WILL BE A ONE STORY BUILDING WITH AN OVERALL GROSS SQUARE FOOTAGE OF 10,800 S.F.

App Architecture
creative focused design



CITY OF DAYTON
NEW POLICE STATION
WEST PATROL DISTRICT

10 Abbey Ave, Dayton, Ohio 45417

615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
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NO.	DATE	DESCRIPTION

DATE 8/14/24
JOB NO. 4205.00
DRAWN MLG
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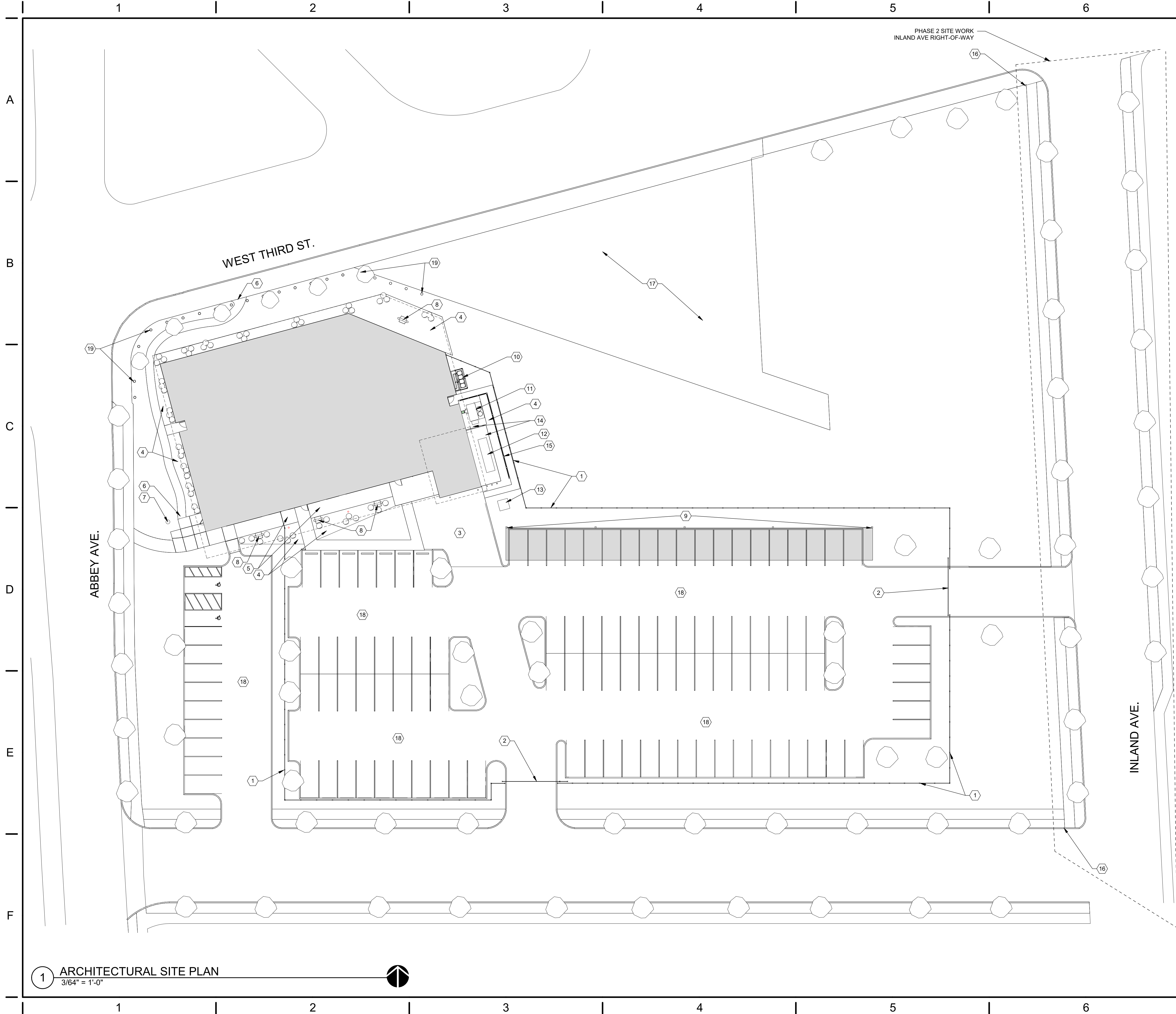
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TITLE
SITE PACKAGE COVER SHEET

SHEET NO.

G0.1A

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1 ARCHITECTURAL SITE PLAN
3/64" = 1'-0"

CONSTRUCTION NOTES

- (00) INDICATES CONSTRUCTION NOTE.
- 6'-0" TALL SECURITY FENCE.
 - SLIDING SECURITY GATE. COORDINATE ENTRANCE SYSTEM WITH OWNER.
 - HEAVY DUTY CONCRETE PAD. REFER TO CIVIL DRAWINGS.
 - GRAVEL BED WITH PERFORATED UNDERDRAIN SYSTEM.
 - HARDSCAPE. REFER TO CIVIL DRAWINGS.
 - HISTORY PATHWAY. REFER TO DETAILS SHEET IN FUTURE BUILDING PACKAGE.
 - APPROXIMATE LOCATION OF FLAGPOLE. REFER TO CIVIL DRAWINGS.
 - STRUCTURAL COLUMN LOCATION FOR ROOF OVERHANG ABOVE. REFER TO STRUCTURAL DRAWINGS.
 - ALTERNATE 01 - SOLAR POWERED CARPORT. REFER TO ELECTRICAL DRAWINGS AND SOLAR PANEL SYSTEM DRAWINGS.
 - VRF CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.REFER TO MECHANICAL DRAWINGS.
 - AHU. REFER TO MECHANICAL DRAWINGS.
 - EMERGENCY GENERATOR. REFER TO ELECTRICAL DRAWINGS.
 - TRANSFORMER. REFER TO ELECTRICAL DRAWINGS.
 - CONCRETE MECHANICAL PAD.
 - MECHANICAL PATIO SCREEN WALL. REFER TO DETAILS SHEET IN FUTURE BUILDING PACKAGE.
 - EXTENTS OF SITE EAST OF LINE ARE PART OF PHASE II SITE DEVELOPMENTS.
 - AREA NOT IN SCOPE.
 - ASPHALT PARKING LOT. REFER TO CIVIL DRAWINGS.
 - IMPACT PROTECTION BOLLARDS 8'-0" O.C. REFER TO DETAILS SHEET IN FUTURE BUILDING PACKAGE.
 - METAL PIPE BOLLARD AT OVERHEAD DOOR. REFER TO CIVIL DRAWINGS.

GENERAL NOTES

- A. ARCHITECTURAL SITE PLAN INCLUDED FOR REFERENCE ONLY. THE BUILDING CONSTRUCTION WILL BE SUBMITTED FOR PERMIT SEPARATELY.
- B. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



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TITLE
ARCHITECTURAL SITE PLAN

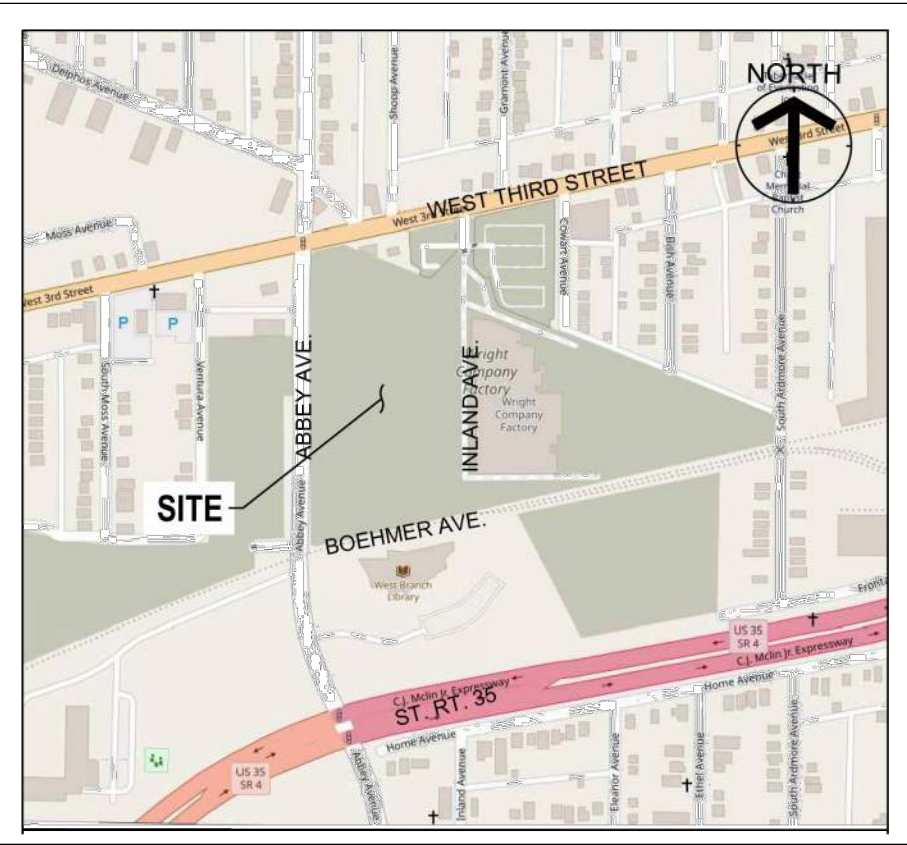
SHEET NO.

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CITY OF DAYTON, OHIO

NEW POLICE STATION

10 ABBEY AVENUE
DAYTON, OHIO 45417



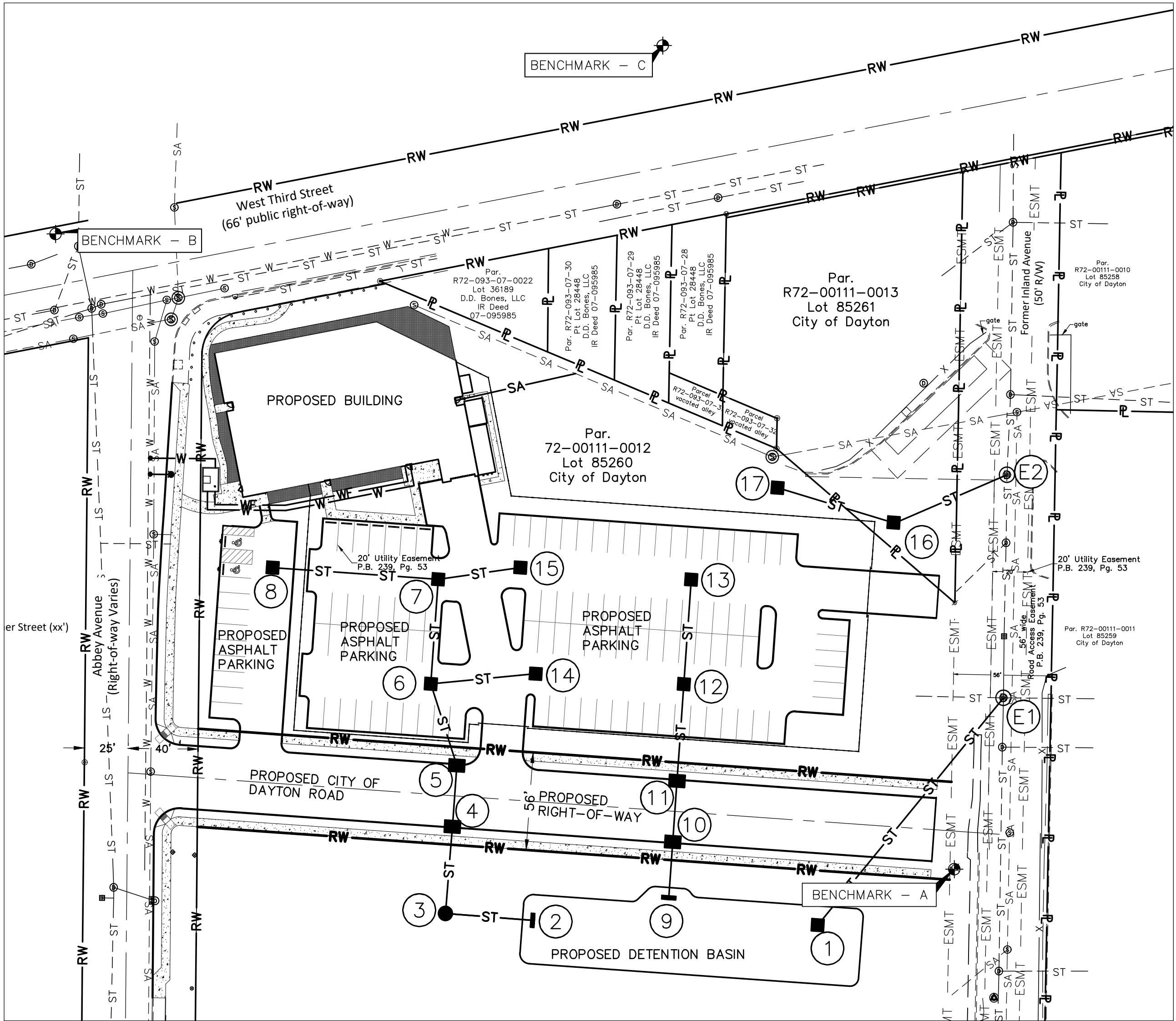
LOCATION MAP
NOT TO SCALE

SITE DATA	
PARCEL ID	R27-00111-0012
PARCEL AREA	15.78 ACRES
PROJECT AREA	4.07 ACRES
DISTURBED AREA WITHIN PROPERTY	3.31 ACRES
DISTURBED AREA WITHIN RIGHT-OF-WAY	0.76 ACRES
TOTAL DISTURBED AREA	4.07 ACRES
EXISTING IMPERVIOUS AREA	1.22 ACRES
EXISTING PERCENT IMPERVIOUS AREA	30%
PROPOSED IMPERVIOUS AREA	1.84 ACRES
PROPOSED PERCENT IMPERVIOUS AREA	45%

SURVEYOR NOTES:

- BEARINGS BASED ON U.S. STATE PLANE, NAD83 OHIO SOUTH (3402) ESTABLISHED FROM USING THE OHIO REAL TIME NETWORK (RTN) PROVIDED BY THE OHIO DEPARTMENT OF TRANSPORTATION. COORDINATES TAKEN TO GROUND AT LATITUDE N39°45'01.92872", LONGITUDE W84°14'19.62436", PROJECT HEIGHT 669.459', GROUND SCALE FACTOR 1.00007573185807.
- THE UTILITIES SHOWN ARE LOCATED FROM FIELD SURVEY INFORMATION AND/OR EXISTING DRAWINGS SUPPLIED BY CLIENT. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES LOCATED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES LOCATED ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. OUPS TICKETS REFERENCED FOR THIS PROJECT: B407300375-00B, B407300379-00B, B407300387-00B, AND B407300391-00B. FOR UTILITY LINES OR SERVICE LOCATIONS ON PRIVATE PROPERTY CESO RECOMMENDS CONTRACTING A PRIVATE UNDERGROUND UTILITY LOCATION SERVICE.

BENCHMARK	
Vertical Datum: NAVD88 derived from GPS Observations	
BM "A":	GROUND "X" ON "ARROW" (SOUTH WEST, 1 OF 4) BOLT ON FIRE HYDRANT LOCATED ABOUT 35'± WEST OF CENTERLINE OF INLAND AVE. AND ABOUT 395'± SOUTH OF W. 3RD STREET CENTERLINE. ELEVATION = 775.42'
BM "B":	BENCH THE SET IN EAST SIDE (1' ABOVE GRADE) OF POWER POLE LOCATED ON NORTHWEST CORNER OF BROOKLYN AVE. AND WEST 3RD STREET, ABOUT 60'± WEST OF BROOKLYN AVE. CENTERLINE AND ABOUT 3.5' NORTH OF THE CURB LINE OF WEST 3RD STREET. ELEVATION = 777.45'
BM "C":	BENCH TIE SET IN SOUTHEAST SIDE (1' ABOVE CONCRETE) OF POWER POLE #135-29R LOCATED 2' EAST OF CURB LINE OF SHOOP AVE. AND ABOUT 75'± NORTH OF WEST 3RD STREET CENTERLINE. ELEVATION = 773.16'



INDEX MAP
SCALE: 1"=50'

FEMA FLOODPLAIN DATA

ACCORDING TO THE FEMA FLOOD MAP SERVICE CENTER, THE SUBJECT PARCEL IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD) AS INDICATED BY FEMA MAP NUMBER 39113C0163E WITH AN EFFECTIVE DATE OF JANUARY 6, 2005.

SURVEYOR

CESO
3601 RIGBY ROAD, SUITE 300
MIAMISBURG, OH 45342
CONTACT: RICK CROSS
PHONE: (937) 848-0585

ENGINEER

KABIL ASSOCIATES
5900 SHARON WOODS BLVD
COLUMBUS, OH 43229
CONTACT: JEFF EDWARDS
PHONE: (614) 899-6707
EMAIL: jedwards@kabil.com

OWNER

CITY OF DAYTON
101 WEST THIRD STREET
DAYTON, OHIO 45402

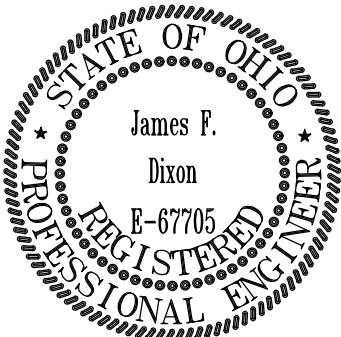
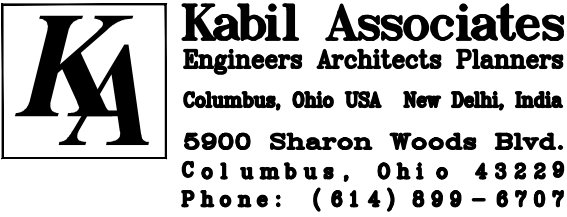


APPROVED

SIGNATURE BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

DIRECTOR, DEPARTMENT OF WATER
CITY OF DAYTON, OHIO

DATE



James F. Dixon
Registered Engineer E-67705 08/14/2024
No. Date

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C0.0	TITLE SHEET
C0.1	GENERAL NOTES
C0.2-C0.4	GENERAL DETAILS
C1.0	SITE DETAILS
C2.0	EXISTING SURVEY
C3.0	SITE PREPARATION PLAN
C4.0	SITE PLAN
C4.1	SITE PLAN DETAILS
C5.0	UTILITY PLAN
C6.0	GRADING AND DRAINAGE PLAN
C6.1	GRADING DETAILS 1
C7.0-C7.2	STORM PROFILES
C7.3	STORM DETAILS
C8.0	SWPPP TITLE SHEET
C8.1	SWPPP GENERAL EROSION CONTROL NOTES AND DETAILS
C8.2	SWPPP SITE EROSION CONTROL PLAN

CITY OF DAYTON

NEW POLICE STATION

10 Abbey Ave, Dayton, Ohio 45417

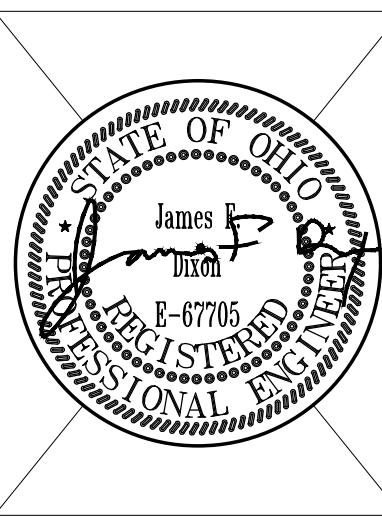
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TITLE SHEET	
SHEET NO.	

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GENERAL NOTES

1. ALL EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO FIELD LOCATE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO SETTING GRADE AND ALIGNMENT. THE CITY OF DAYTON AND THE DEPARTMENT OF WATER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTH OF THE 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. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COST FOR LOCATING, REMOVING AND REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE UTILITY OWNER'S SATISFACTION. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.
2. LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE DEPARTMENT OF WATER.
4. ALL WORK SHALL CONFORM TO THE CITY OF DAYTON, CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION).
5. NO CONSTRUCTION SHALL COMMENCE UNTIL CITY OF DAYTON PERMITS HAVE BEEN ISSUED AS REQUIRED.
6. ALL PROJECT ORDERS (FIELD OR OFFICE), REQUESTS, CHANGES, ADDITIONS OR DELETIONS PERTAINING TO PUBLIC WATER MAIN, STORM SEWER, AND SANITARY SEWER FACILITIES SHALL BE ONLY BY DIRECTION OR REQUEST OF THE DEPARTMENT OF WATER.
7. THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES AFFECTED BY STREET CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF THE ACTUAL STREET CLOSING.
8. ROADWAY RESTORATION WITHIN THE CITY OF DAYTON CORPORATION LIMITS SHALL BE DONE IN COMPLIANCE WITH THE DEPARTMENT OF PUBLIC WORKS' RULES AND REGULATIONS FOR MAKING OPENINGS IN A PUBLIC WAY"(LATEST EDITION).
9. FORTY-EIGHT HOURS PRIOR TO ANY CONSTRUCTION, EXCAVATION OR DIGGING, THE CONTRACTOR SHALL CALL AND NOTIFY THE OHIO UTILITIES PROTECTION SERVICES (OUPS) AT 1-800-362-2764. ALL OTHER AGENCIES, WHICH MIGHT HAVE UNDERGROUND UTILITIES IN THIS AREA AND ARE NOT MEMBERS OF OUPS, SHALL BE NOTIFIED DIRECTLY BY THE CONTRACTOR.
10. APPROVAL OF PLANS BY THE DEPARTMENT OF WATER DOES NOT RELIEVE THE DESIGNER, OWNER, OR PERSON IN CONTROL OF THE PROPERTY FROM LIABILITY FOR INJURY TO PERSONS OR PROPERTY.
11. APPROVAL OF THE PLANS SHALL BECOME VOID IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWELVE (12) MONTHS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER. IN ADDITION, THE PLANS SHALL BECOME VOID IF CONSTRUCTION IS NOT COMPLETED WITHIN TWO (2) YEARS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER.
12. ALL FILLS (INCLUDING TRENCH BEDDING AND BACKFILL) INTENDED TO SUPPORT A WATER MAIN, SANITARY SEWER, STORM SEWER OR DRAINAGE CHANNEL SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM DENSITY (MODIFIED PROCTOR TEST ASTM D1557), UNLESS OTHERWISE NOTED. FIELD VERIFICATION AND FORMAL RESULT SUBMITTALS MAY BE REQUESTED (AS NECESSARY) BY THEDEPARTMENT OF WATER.
13. IN ADDITION TO THE NOTES ON THIS SHEET, CONTRACTOR'S ATTENTION SHALL BE DIRECTED TO THE NOTES ON THE ATTACHED SHEETS AS WELL.
14. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED WATER LINE, SANITARY OR STORM SEWER LINES PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID LINES. ALL FILLS SHALL BE CONTROLLED, COMPACTED AND INSPECTED.

STORM WATER COLLECTION SYSTEM NOTES:

1. ALL STORM SEWERS AND CATCH BASIN LATERALS SHALL BE REINFORCED CONCRETE ASTM SPECIFICATION NUMBER C-76, CLASS 4 (UNLESS OTHERWISE NOTED).
2. STORM MANHOLES SHALL BE EQUAL TO ASTM C-478, CITY OF DAYTON TYPE "A" MANHOLE.
3. CHANNEL BOTTOMS OF ALL MANHOLES.
4. ALL CONNECTIONS TO EXISTING STORM SEWER MANHOLES SHALL BE MADE USING A DIAMOND CORE DRILL.
5. ALL CATCH BASINS TO BE CITY OF DAYTON TYPE "3" OR "3A" WITH "V" TYPE GRATES (UNLESSOTHERWISE NOTED).
6. ALL FIELD TILE ENCOUNTERED SHALL BE REPLACED OR CONNECTED TO THE STORM SEWER SYSTEM WITH APPROVAL FROM THE CITY OF DAYTON, DEPARTMENT OF WATER.
7. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE STORM SEWER ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.
8. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE STORM SEWER INSTALLATION WITHIN THE PUBLIC RIGHT-OF-WAY OR IN AN EASEMENT. THE DIVISION OF BUILDING SERVICES WILL INSPECT ALL PRIVATE STORM SEWER INSTALLATIONS.

9. ALL STORM SEWER CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

EROSION CONTROL NOTES:

1. FORTY-EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF WATER AT (937) 333-3739 (FIELD BUREAU).
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE. ALL RUNOFF RESULTING FROM CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED ONCE A WEEK AND AFTER EVERY ½" OF RAIN. RECORDS OF SUCH INSPECTION SHALL BE KEPT AT THE JOB SITE AND BE AVAILABLE FOR IMMEDIATE REVIEW UPON REQUEST.
4. IN ADDITION TO ANY TEMPORARY EROSION, SEDIMENT, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE DEVELOPMENT.
5. 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 MULCHED AS SOON AS PRACTICAL. DISTURBED AREAS THAT LIE DORMANT FOR 21 DAYS OR MORE SHALL BE SEEDED OR PROTECTED 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 OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
6. UNTIL IMPROVEMENTS IN THE DEVELOPMENT HAVE BEEN COMPLETED, THE CONTRACTOR SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED SURFACES ONTO ROADWAYS, INTO DRAINAGE COURSES, STORM SEWERS, OR ONTO ADJOINING LAND. FOR ANY EARTH DISTURBANCE OR ANY DEVELOPMENT APPROVED BY THE DEPARTMENT OF WATER, THE CONTRACTOR SHALL CLEAN ANY MUD OR DEBRIS DEPOSITED ON ROADWAYS, DRAINAGE COURSES, OR ADJOINING PROPERTY WHEN THE MUD AND DEBRIS ORIGINATES FROM THE EARTH MOVING OPERATIONS.
7. ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY (WITHIN 24 HOURS) REMOVED.
8. FOR DEVELOPMENT SITES, EROSION CONTROL MEASURES SHALL BE ENFORCED ON INDIVIDUAL OR RESIDENTIAL LOTS. THIS SHALL INCLUDE A CONSTRUCTION ENTRANCE (REFER TO DETAIL - ER-8) AND SILT FENCE ACROSS THE FRONTAGE OF EACH PROPERTY AND A TEMPORARY DIVERSION DITCH ON EACH LOT.
9. THIS PROJECT IS SUBJECT TO INSPECTION BY THE DEPARTMENT OF WATER PERSONNEL FOR COMPLIANCE WITH THE CITY'S STORM WATER ORDINANCE DURING AND AFTER CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO INSPECTION OF EROSION CONTROL FACILITIES, SURFACE DRAINAGE, AND DETENTION/RETENTION FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF VIOLATIONS OF THE ORDINANCE OCCUR AND WATER DEPARTMENT PERSONNEL DEEM IT NECESSARY. ALL MEASURES SHALL COMPLY WITH CITY OF DAYTON STANDARDS AND "RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARD FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION", (LATEST EDITION).

WATER DISTRIBUTION SYSTEM NOTES:

1. WATER MAINS, BENDS AND FITTINGS SHALL BE DUCTILE CAST IRON PIPE AND CONFORM TO ANSI A-21.51 (AWWA C151),CLASS 51 (UNLESS OTHERWISE NOTED).
2. THRUST BLOCKS ARE REQUIRED AT ALL FITTINGS.
3. THE LENGTH OF RESTRAINED JOINT REQUIREMENTS ARE INDICATED ON EACH PLAN AND PROFILE SHEET.
4. WELDING OF PIPE AND/OR APPURTENANCES IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE CITY OF DAYTON, DEPARTMENT OF WATER.
5. WATER MAINS SHALL HAVE A MINIMUM COVER OF 4 FEET, 6 INCHES. WATER MAINS SHALL HAVE A MINIMUM OF 10 FEET HORIZONTAL SEPARATION (OUT-TO-OUT) FROM ANY STORM OR SANITARY SEWER.
6. WATER MAINS CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE OUTSIDES OF THE PIPES (OUT TO OUT). ALSO, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE OF EQUAL DISTANT AND AS FAR FROM THE SEWER AS POSSIBLE. IF WATER MAIN CROSSES BELOW SANITARY SEWERS, THE SANITARY SEWER MUST BE WATER MAIN MATERIAL FOR THAT SPAN.
7. ONLY CITY OF DAYTON PERSONNEL SHALL OPERATE MAIN LINE WATER VALVES WITHIN THE DAYTON CORPORATION LIMITS.
8. ALL VALVE-OPERATING NUTS SHALL BE SET AT A MAXIMUM DEPTH OF 6 FEET. THE CONTRACTOR SHALL FURNISH AND INSTALL APPROVED EXTENSIONS AS REQUIRED.
9. THE CONTRACTOR SHALL BE ADVISED THAT ANY CLOSURE PIECES OR SLEEVES REQUIRED TO CONNECT SECTIONS OF THE CONCRETE MAIN LINE OR DUCTILE IRON CONNECTIONS, OTHER THAN THOSE SPECIFICALLY SHOWN ON THE CONSTRUCTION DRAWINGS, SHALL BE AT HIS EXPENSE.

10. ALL TAPS TO EXISTING WATER MAINS WILL BE MADE BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL INCLUDE FURNISHING AND INSTALLING THE TAPPING SLEEVE AND VALVE AND MAKING THE TAP. ALL OTHER WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION OVER THE TAPPED MAIN SHALL BE BY THE CONTRACTOR. CONTACT WATER ENGINEERING AT (937) 333-3742.

11. SERVICE CONNECTIONS SHALL NOT BE MADE TO THE WATER MAIN UNTIL THE MAIN LINE HAS BEEN INSPECTED, TESTED, DISINFECTED AND RELEASED FOR TAPS. ALL WATER SERVICE CONNECTIONS SHALL BE A MINIMUM OF 1"DIAMETER AND MINIMUM OF 5/8" WATER METER AND CONFORM TO THE CITY OF DAYTON STANDARDS FOR TAPS, SERVICES, METERS, AND BACKFLOW PREVENTION, (LATEST EDITION).

12. NO WATER SERVICE BRANCH SHALL BE LAID IN THE SAME TRENCH WITH A SANITARY SEWER LATERAL.

13. FIRE HYDRANTS SHALL BE LOCATED 3-FEET FROM THE FACE OF THE CURB OR EDGE OF THE PAVEMENT AND 4-INCH OPENING TO FACE THE STREET. FIRE HYDRANTS LOCATED WITHIN THE WALK MUST COMPLY WITH ADA REGULATIONS.

14. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE WATER MAIN ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.

15. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE WATER MAIN INSTALLATION.

16. ALL WATER MAIN CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

SANITARY COLLECTION SYSTEM NOTES:

1. SANITARY SEWERS LATERAL SERVICE SHALL CONFORM TO THE PVC-SDR35, F1417 AND D2321.

2. CHANNEL BOTTOMS OF ALL MANHOLES.

3. ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE MADE USING A DIAMOND CORE DRILL AND THE JOINT SEALED WITH "DURA SEAL" RUBBER GASKET OR APPROVED EQUAL.

4. SANITARY WYE CONNECTIONS SHALL BE FACTORY FABRICATED

5. ROOF DRAINS; FOUNDATION DRAINS OR OTHER "CLEAN WATER" CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

6. WITHIN THE PUBLIC RIGHT-OF-WAY, ALL LATERALS TO EXISTING SANITARY SEWERS WILL BE INSTALLED BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL INCLUDE FURNISHING AND INSTALLING THE FITTINGS AND MAKING THE CONNECTION. ALL WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION SHALL BE BY THE CONTRACTOR. CONTACT WATER ENGINEERING (937) 333-3742.

7. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE SANITARY SEWER ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.

8. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE SANITARY SEWER INSTALLATION.

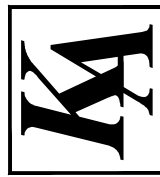
9. ALL SANITARY LATERALS REQUIRE INSPECTION AND A PERMIT FROM THE CITY OF DAYTON DIVISION OF BUILDING INSPECTION.

10. ALL SANITARY SEWER CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

SITE CONCRETE

1. ALL SITE CONCRETE SHALL BE CITY OF DAYTON CLASS D CONCRETE PER ITEM 499.
2. CONCRETE WITH FIBER REINFORCEMENT SHALL BE CLASS D CONCRETE WITH FIBERS ADDED TO THE MIX AT A RATE OF 1.5LB/CY. THE TYPE OF FIBERS SHALL BE FIBERSTRAND F FIBRILLATED POLYPROPYLENE MICRO-FIBER FROM THE EUCLID CHEMICAL COMPANY OR AN APPROVED EQUAL. THIS ITEM SHALL ALSO INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO BURN OFF EXPOSED FIBERS AT THE SURFACE OF THE CONCRETE PAVEMENT AS NEEDED AND DIRECTED BY THE ENGINEER.

LEGEND	
--- ST --- ST ---	EXISTING STORM SEWER
--- SA --- SA ---	EXISTING SANITARY SEWER
--- W --- W ---	EXISTING WATER
--- ESMT ---	EASMENT
--- X ---	EXISTING STEEL FENCE AND GATE
--- COM --- COM ---	EXITING COMMUNICATION FIBER OPTIC LINE
--- OHL --- OHL ---	OVERHEAD LINE
--- RW ---	RIGHT-OF-WAY LINE
--- P --- P ---	PROPERTY LINE
⊙	EXISTING UTILITY POLE
⊙	EXISTING LIGHT POLE
⊞	EXISTING STORM INLET
⊗	EXISTING WATER VALVE
Ⓢ	EXISTING SANITARY MANHOLE
Ⓣ	EXISTING STORM MANHOLE
--- ST --- ST ---	PROPOSED STORM SEWER
=====	PROPOSED CONTOUR
=====	PROPOSED FENCE
--- LOD --- LOD ---	LIMITS OF DISTURBANCE
--- -- ---	MATCHLINE
↩	PROPOSED TRAFFIC TURN SIGN
⊞	INLET PROTECTION
→	MAJOR FLOOD ROUTING
⊞	PROPOSED STORM INLET
⊞	PROPOSED CURB INLET
⊞	PROPOSED PULL BOX
⊞	STABILIZED CONSTRUCTION ENTRANCE
⊞	CONSTRUCTION WASHOUT AREA



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CITY OF DAYTON

NEW POLICE STATION

10 Abbey Ave, Dayton, Ohio 45417

ISSUE		
NO.	DATE	DESCRIPTION

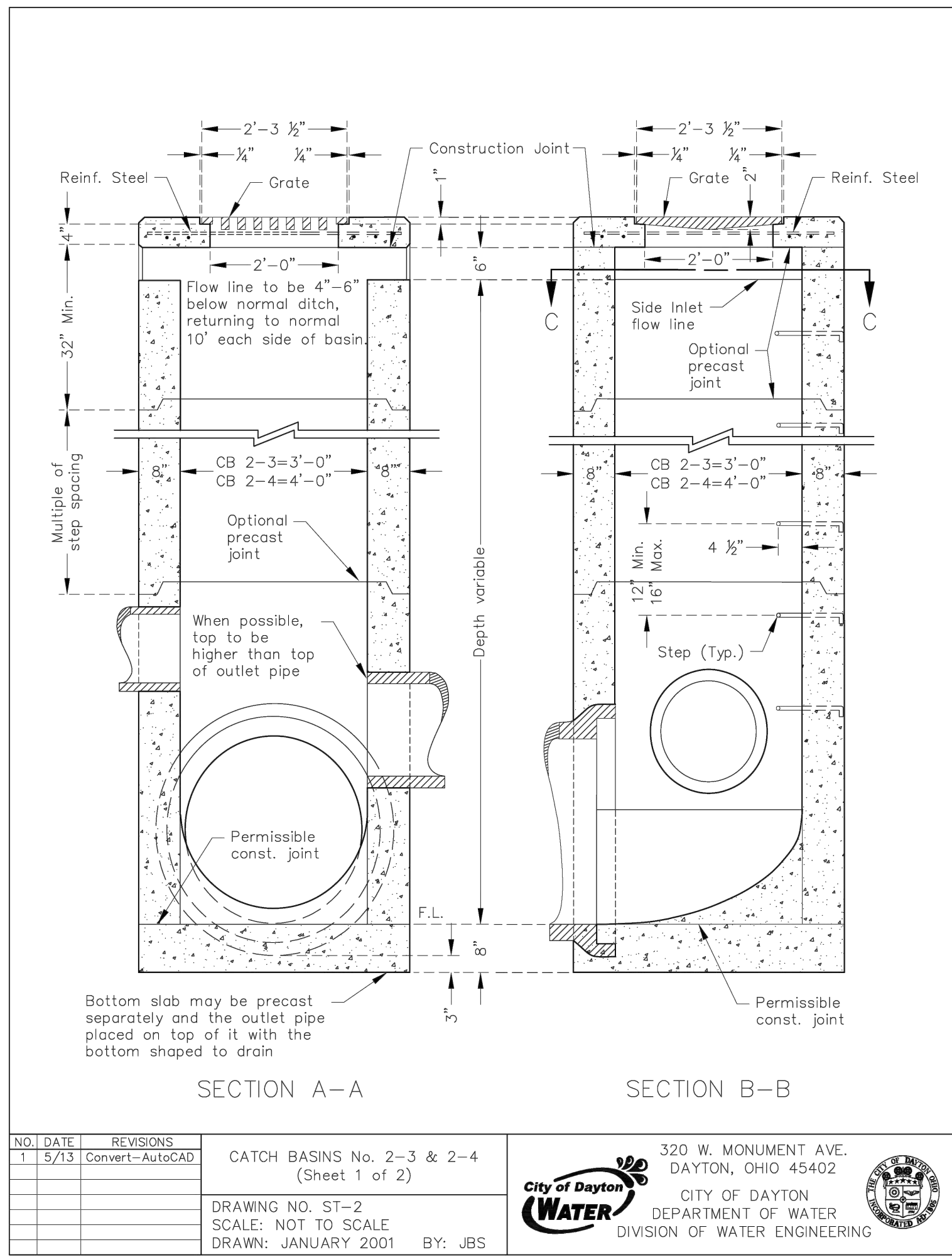
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JOB NO.	4205.00
DRAWN	KT
CHECKED	JFD

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TITLE
GENERAL NOTES

SHEET NO.

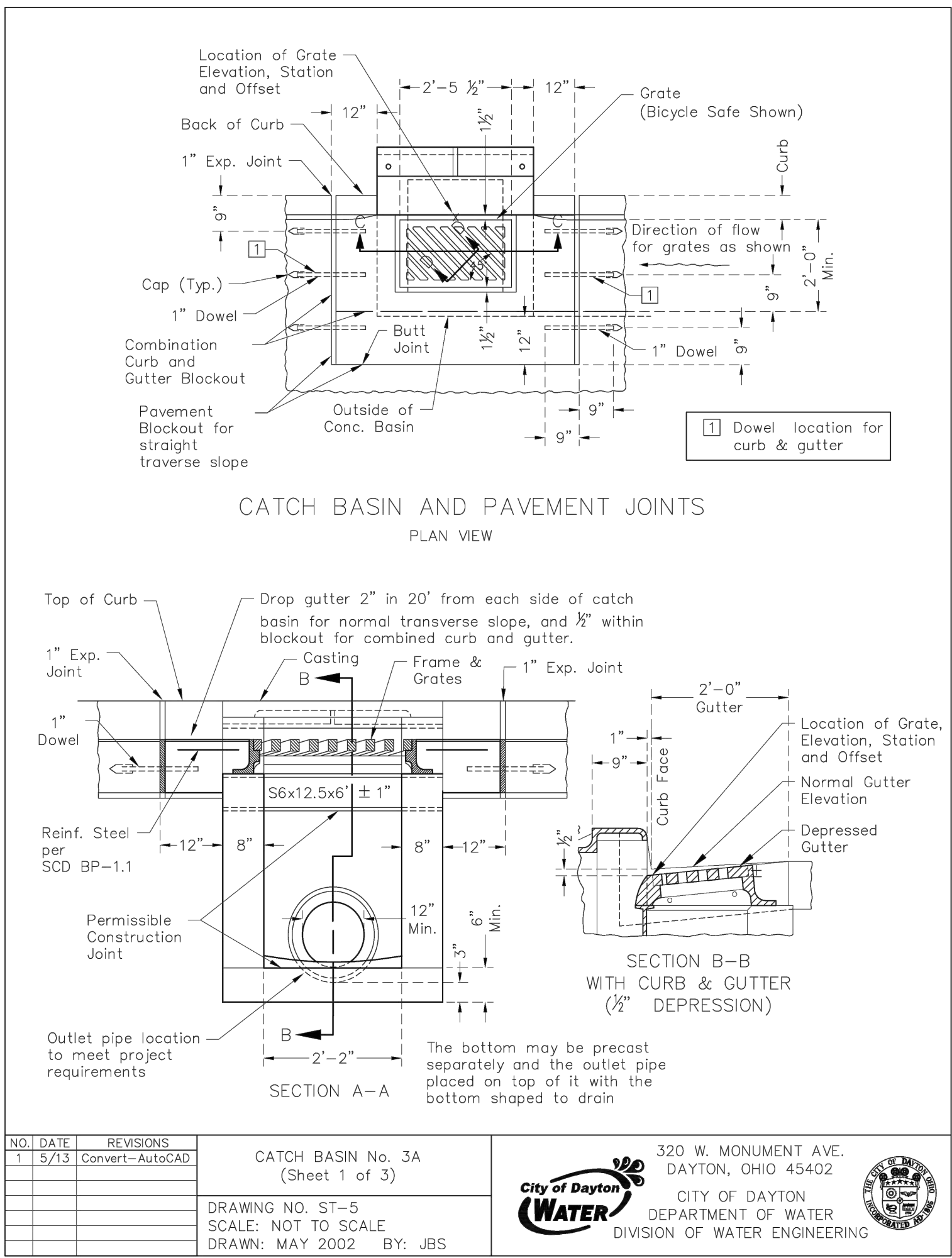
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NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

CATCH BASINS No. 2-3 & 2-4 (Sheet 1 of 2)
DRAWING NO. ST-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS

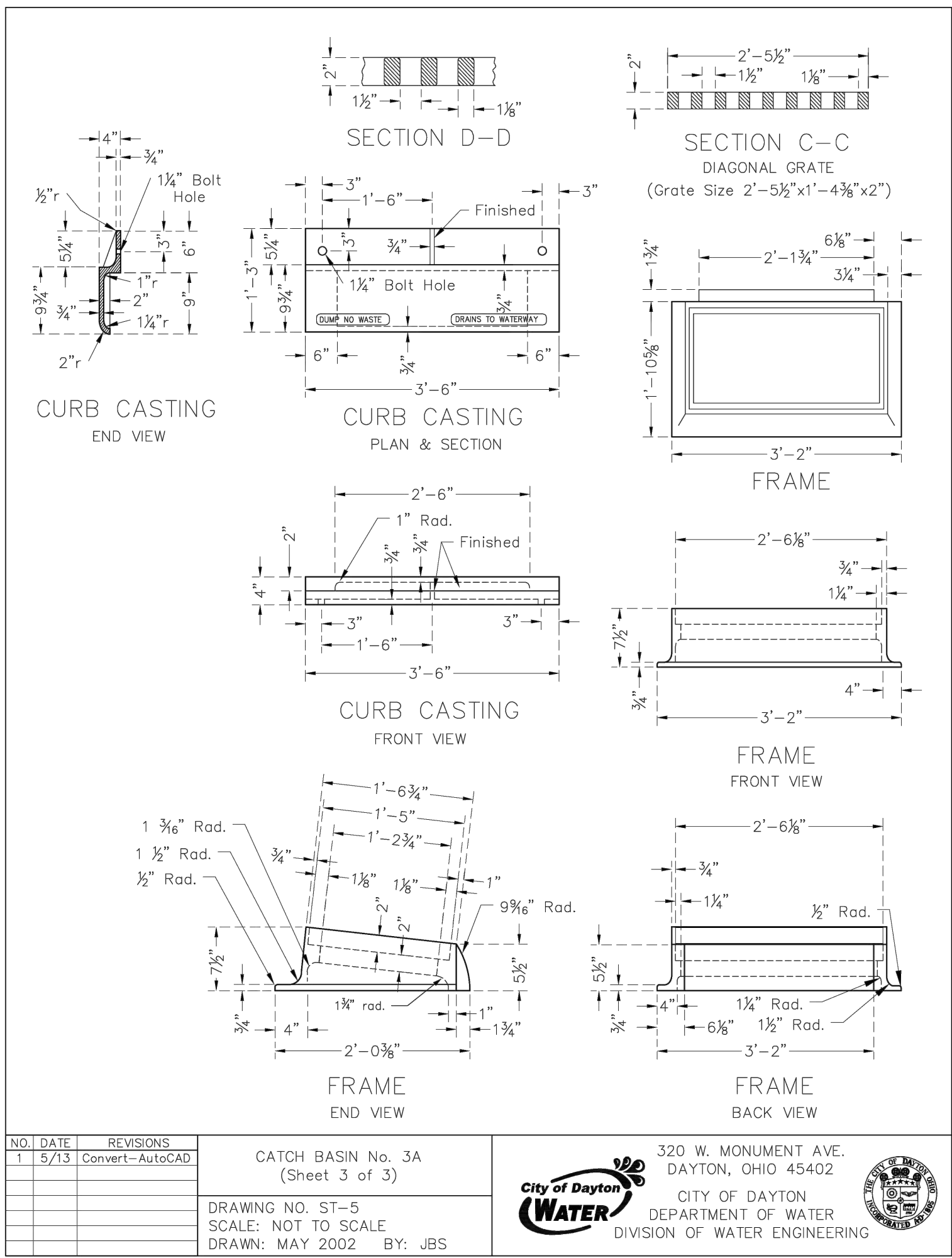
320 W. MONUMENT AVE. DAYTON, OHIO 45402
CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING



NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

CATCH BASIN No. 3A (Sheet 1 of 3)
DRAWING NO. ST-5 SCALE: NOT TO SCALE DRAWN: MAY 2002 BY: JBS

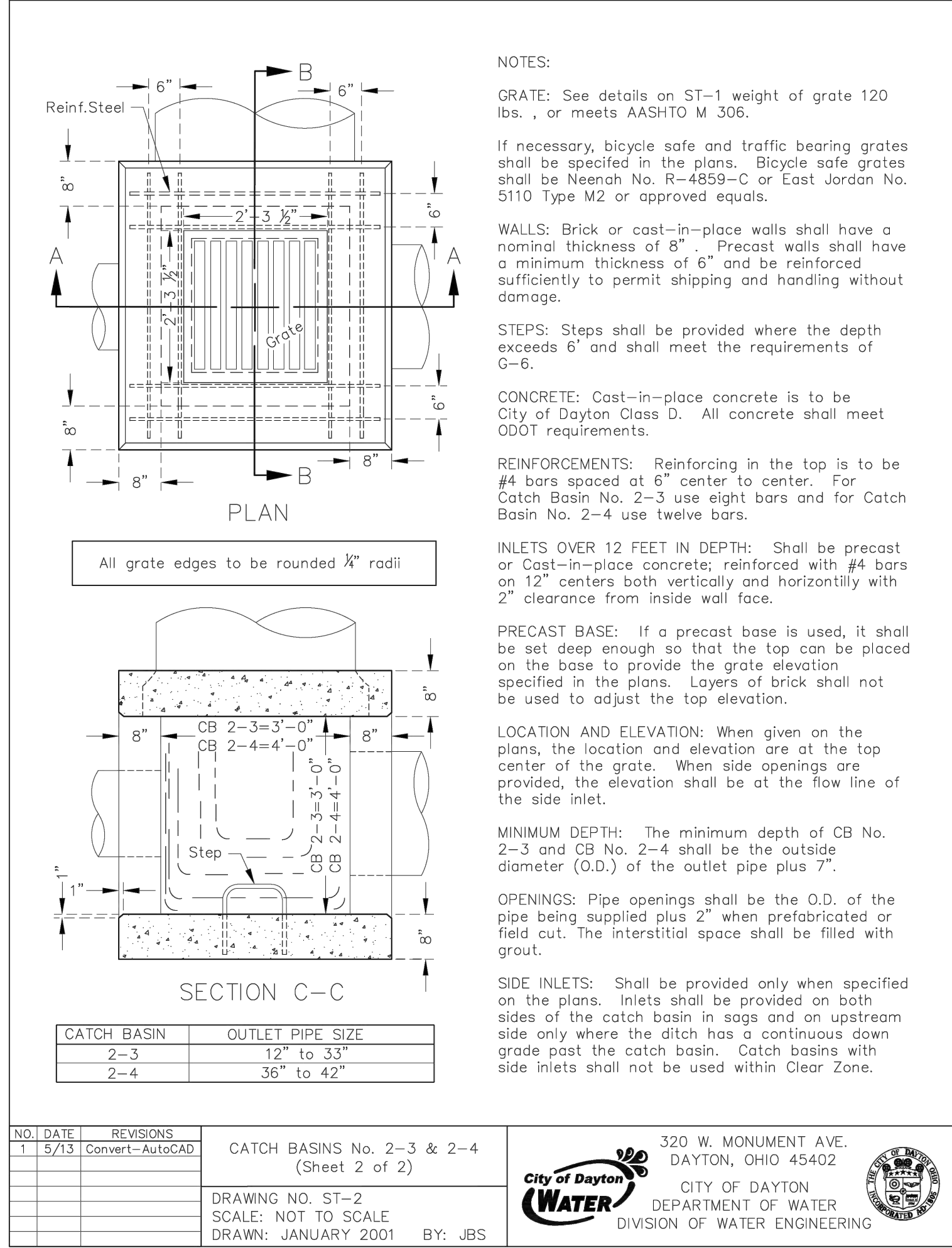
320 W. MONUMENT AVE. DAYTON, OHIO 45402
CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING



NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

CATCH BASIN No. 3A (Sheet 3 of 3)
DRAWING NO. ST-5 SCALE: NOT TO SCALE DRAWN: MAY 2002 BY: JBS

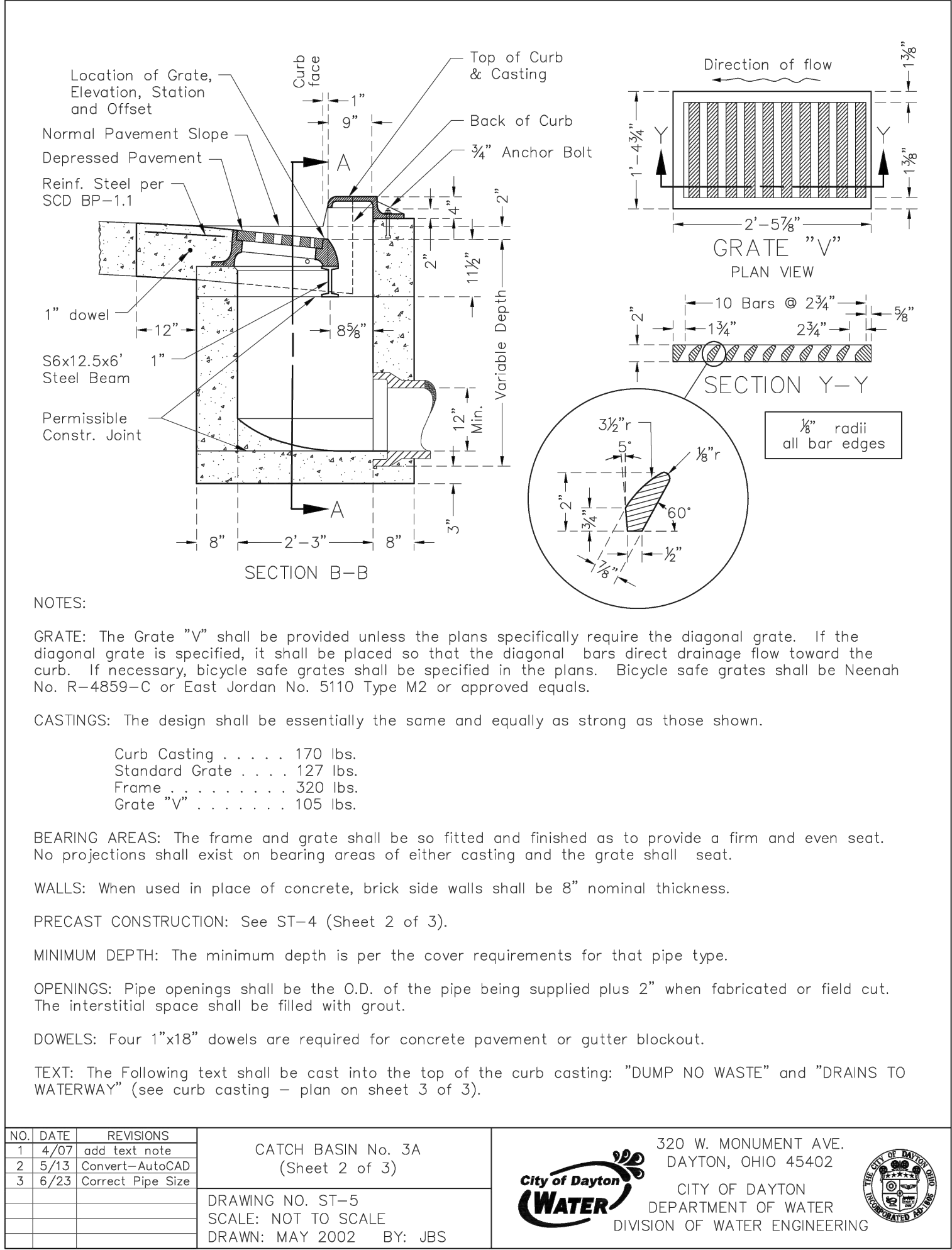
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NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

CATCH BASINS No. 2-3 & 2-4 (Sheet 2 of 2)
DRAWING NO. ST-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS

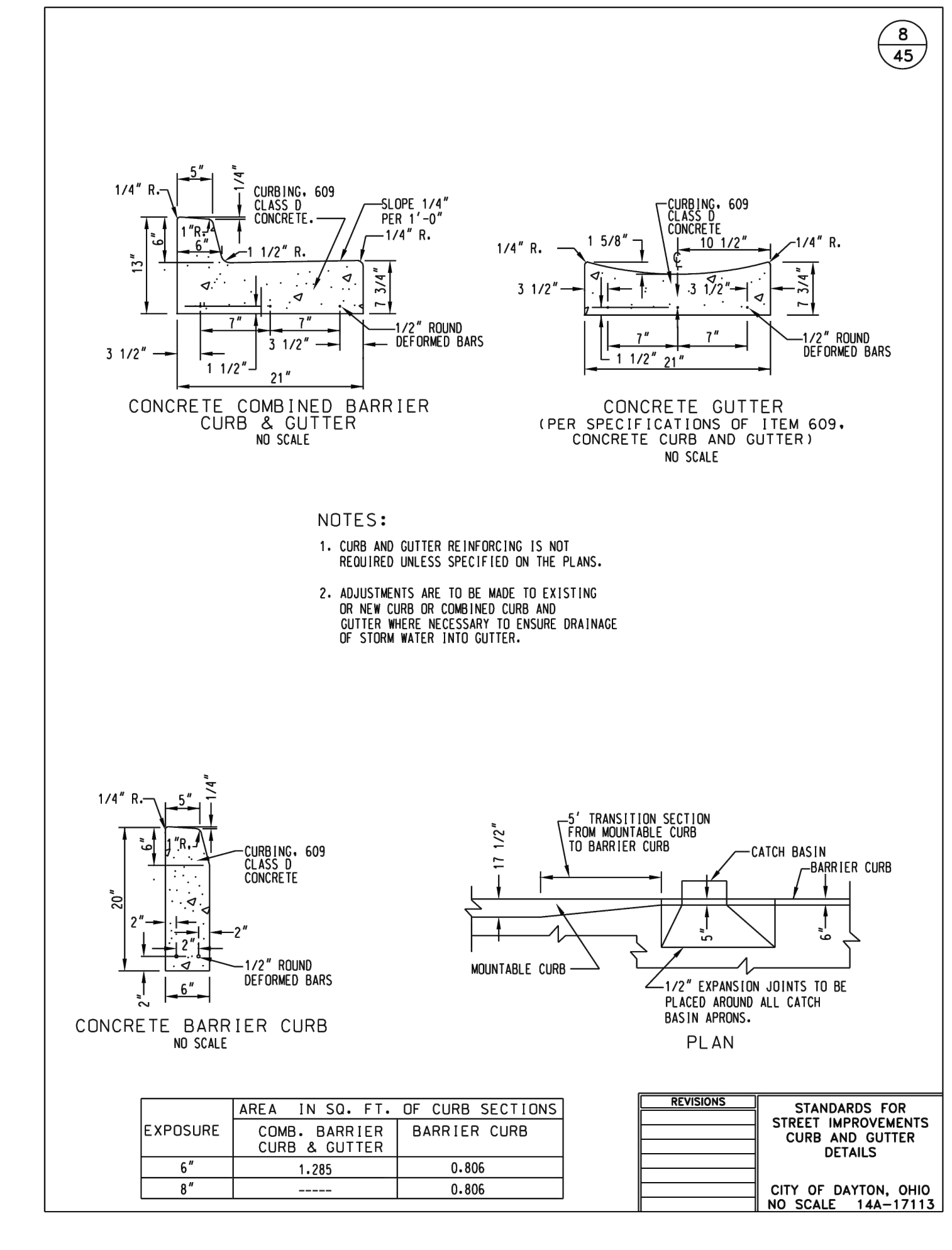
320 W. MONUMENT AVE. DAYTON, OHIO 45402
CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING



NO.	DATE	REVISIONS
1	4/07	add text note
2	5/13	Convert-AutoCAD
3	6/23	Correct Pipe Size

CATCH BASIN No. 3A (Sheet 2 of 3)
DRAWING NO. ST-5 SCALE: NOT TO SCALE DRAWN: MAY 2002 BY: JBS

320 W. MONUMENT AVE. DAYTON, OHIO 45402
CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING



NO.	DATE	REVISIONS
1	4/07	add text note
2	5/13	Convert-AutoCAD
3	6/23	Correct Pipe Size

CATCH BASIN No. 3A (Sheet 2 of 3)
DRAWING NO. ST-5 SCALE: NOT TO SCALE DRAWN: MAY 2002 BY: JBS

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CITY OF DAYTON

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NO.	DATE	DESCRIPTION

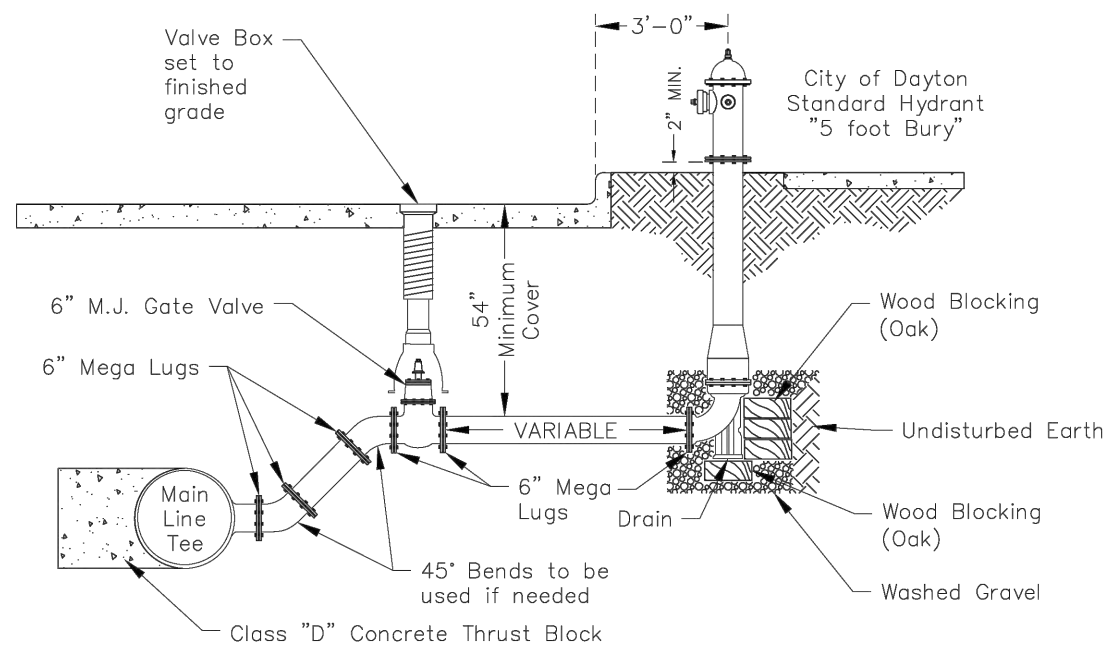
ISSUE
DATE 8/14/2024
JOB NO. 4205.00
DRAWN KT
CHECKED JFD
CITY OF DAYTON, OHIO NO SCALE 14A-17113

STANDARDS FOR STREET IMPROVEMENTS CURB AND GUTTER DETAILS
CITY OF DAYTON, OHIO NO SCALE 14A-17113

GENERAL DETAILS

SHEET NO.

C0.3



TYPICAL FIRE HYDRANT DETAIL
NO SCALE

NOTES:

- 6" BRANCH LINE TO BE RESTRAINED FULL LENGTH.
- CONCRETE THRUST BLOCK TO BE INSTALLED AT MAIN LINE TEE.
- WOOD (OAK) THRUST BLOCK TO BE INSTALLED BEHIND INLET OF FIRE HYDRANT.
- WASHED GRAVEL ¾" OR LARGER TO BE PUT AROUND DRAIN OF FIRE HYDRANT.
- DEPTHS GREATER THAN 54" MINIMUM, COVER TO THE TOP OF FIRE HYDRANT BRANCH, 45° BENDS AND FITTINGS SHALL BE USED TO BRING THE PIPING TO THE 54" COVER SO THAT THE 5'-0" STANDARD HYDRANT MAY BE USED. **EXTENSIONS SHALL NOT BE PERMITTED** unless approved by Water Engineering.
- RESTRAIN MAIN RUN ON THE TEE, ONE FULL LENGTH EACH DIRECTION.
- PAINT HYDRANT ABOVE GRADE WITH #15 ENSIGN YELLOW AND BONNET WITH SAFETY BLUE.
- CHAINS SHALL BE REMOVED BY THE CONTRACTOR.

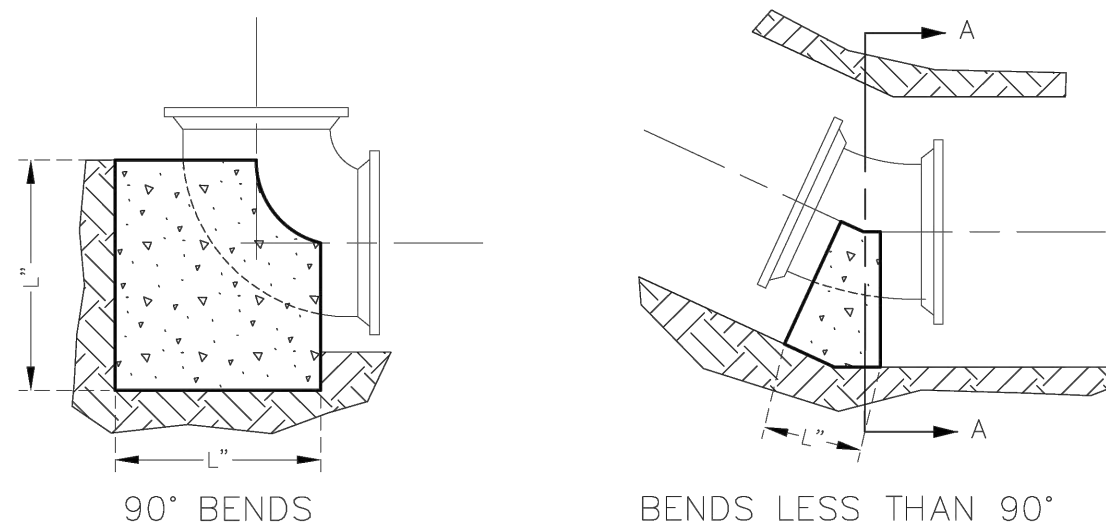
NO.	DATE	REVISIONS
1	4/07	EDIT NOTES ADD EARTH
2	3/09	NOTE 5
3	5/09	45 BENDS
4	5/13	Convert-AutoCAD
5	17/20	Left Note 7&8
6	8/23	Show Valve Bonnet

FIRE HYDRANT	DRAWING NO. WA-5 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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320 W. MONUMENT AVE. DAYTON, OHIO 45402 CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING	
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SIZE OF PIPE	DEGREE OF BEND															
	11°				22°				45°				90°			
	L"	D"	Vc.f.		L"	D"	Vc.f.		L"	D"	Vc.f.		L"	D"	Vc.f.	
3"	4	3	0.1		6	4	0.2		10	4	0.3		10	4	0.3	
4"	5	4	0.2		9	5	0.4		14	5	0.6		14	5	0.6	
6"	8	6	0.5		12	7	0.7		20	8	1.4		18	9	1.7	
8"	9	8	0.7		16	9	1.4		24	12	2.7		25	11	4.0	
10"+12"	14	12	1.8		24	14	3.6		36	18	6.9		32	18	10.7	
16"	18	16	3.4		32	18	6.7		36	32	13.4		41	26	25.4	
20"	25	20	6.4		30	30	11.5		49	36	20.5		50	32	46.5	
24"	27	24	9.0		39	34	18.4		60	42	35.0		58	40	77.7	

STEEL WILL BE USED AS REQUIRED BY THE ENGINEER



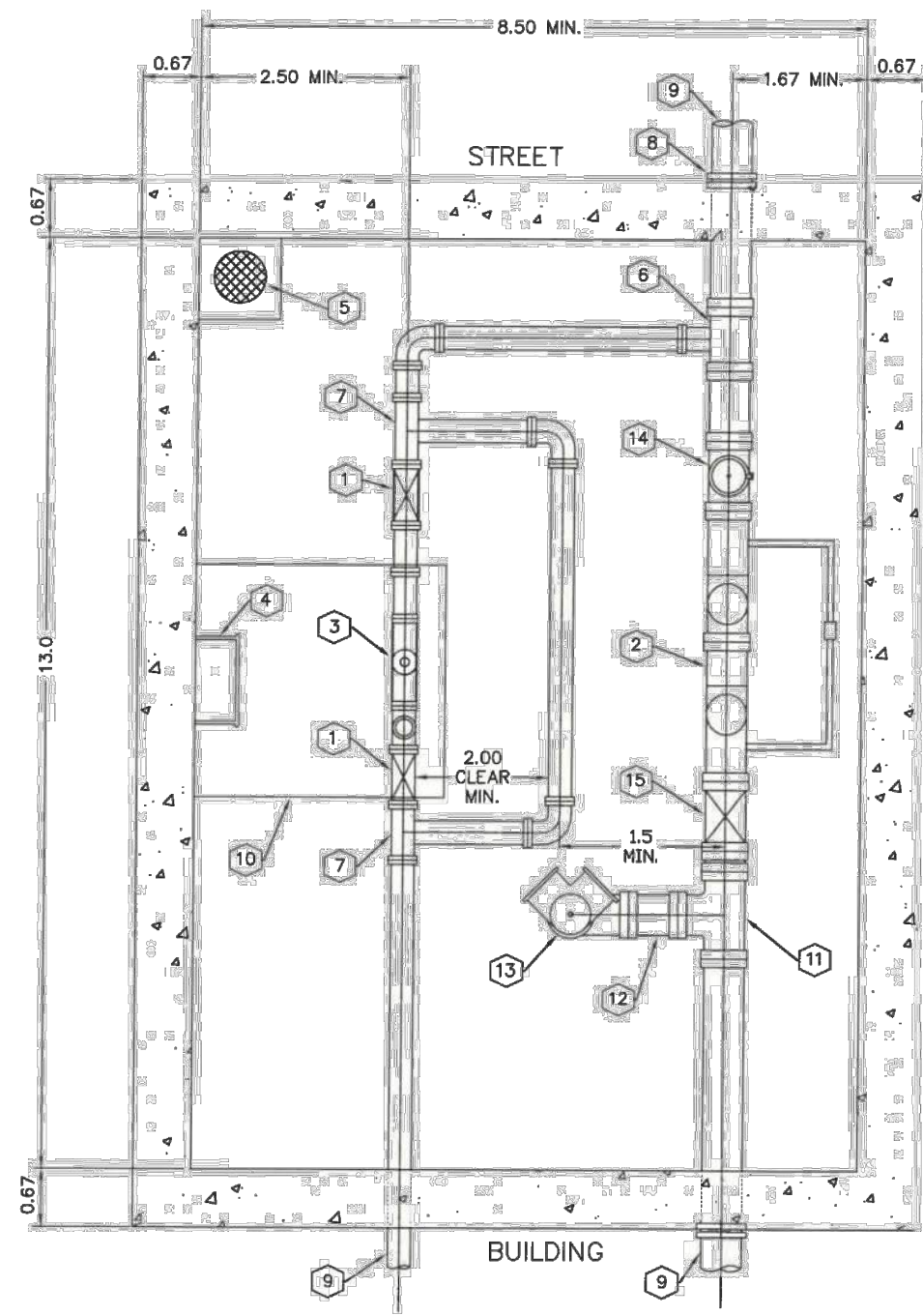
NOTE:

- BACKER DESIGN FOR 3000 PSF SOIL BEARING.
- CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
- A minimum of 6 mils thick polyethylene sheeting shall encase all bends tees and fittings where a thrust block is required and extend not less than 12" from the edge of the poured concrete.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 3

THRUST BLOCKING FOR BENDS ON WATER MAINS	DRAWING NO. WA-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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NOTE:
SEE SHEET No. D-34-B
FOR WATER METER PIT
DETAIL NOTES.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 3

WATER METER PIT DETAIL	DRAWING NO. WA-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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WATER PIT NOTES:

- DIMENSIONS SHOWN ARE INSIDE MEASUREMENTS.
- ALL PIPE WITHIN THE METER PIT AND TO THE CITY OWNED MAIN SHALL BE CLASS 53 DUCTILE IRON PIPE. PIPE WITHIN THE METER PIT SHALL HAVE FLANGED ENDS.
- ALL VALVES SHALL BE FLANGED END, HANDWHEEL OPERATED, O.S. & Y. GATE VALVES.
- PIT SHALL HAVE AN INSIDE HEIGHT OF 6' MINIMUM.
- PIT TO BE PRE-CAST CONSTRUCTION OR CAST-IN PLACE WITH 6" CONCRETE FLOOR SLAB AND SUMP PIT. ROOF TO BE 8" PRE-CAST OR DESIGNED BY A PROFESSIONAL ENGINEER.
- BACKFLOW PREVENTER TO BE RECERTIFIED AT TIME OF INSTALLATION.
- METER SPREAD AND DOUBLE DETECTOR CHECK VALVE VERTICAL CLEARANCE 18" MINIMUM AND 36" MAXIMUM OFF FLOOR OF PIT.
- PIPING, METER, AND CHECK VALVE SHALL BE SUPPORTED AS APPROVED BY WATER ENGINEERING.

CODED NOTES:

- O.S. & Y. GATE VALVE
- ASSE 1048 DOUBLE DETECTOR CHECK BACKFLOW PREVENTER WITH RESILIENT SEATED O.S. & Y. VALVES. WATER METER TO BE READ IN CUBIC FEET. PROVIDE REMOVABLE PLUGS IN TEST COCKS.
- METER SPREAD BASED ON METER SIZE.
- STEPS-CAST IRON OR ALUMINUM OR POLYPROPYLENE AT 12" O.C.
- SUMP DRAIN TO STORM MANHOLE 1'x1'x1'.
- 6"x4" TEE
- 4"x4" TEE
- PIPE ANCHORED TO WALL WITH RETAINER GLAND OR WALL SLEEVE.
- RESTRAINED M.J. BELL WITHIN 2' OF WALL.
- METAL DOOR 48"x48" PER CITY SPECIFICATIONS CENTERED ON METER SPREAD.
- 6"x6"x6" TEE.
- BALL DRIP CHECK VALVE.
- SIAMESE CONNECTION.
- POST INDICATOR VALVE WITH SUPERVISORY SWITCH.
- O.S. & Y. GATE VALVE WITH SUPERVISORY SWITCH.

NOTE:
SEE SHEET No. D-34-A
FOR WATER METER PIT DETAIL.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 3

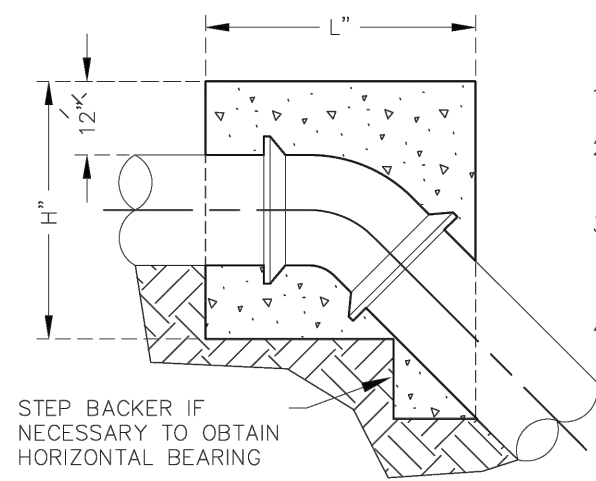
WATER METER PIT DETAIL	DRAWING NO. WA-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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320 W. MONUMENT AVE. DAYTON, OHIO 45402 CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING	
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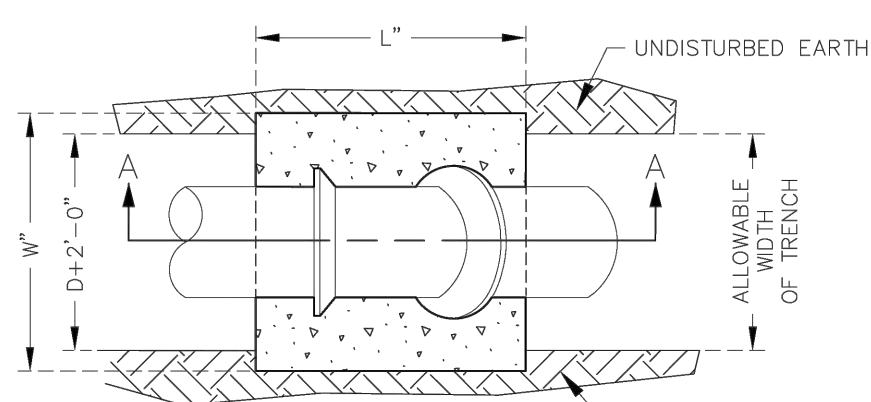
SIZE OF PIPE	DEGREE OF BEND															
	11°				22°				45°				90°			
	L"	W"	H"	Vol.	L"	W"	H"	Vol.	L"	W"	H"	Vol.	L"	W"	H"	Vol.
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9	25	30	24	10.4
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0	27	48	25	18.7
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9	37	54	36	41.6
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2	47	60	46	75.0
10"+12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9	66	66	66	166.4
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2	72	96	72	28.0
20"	45	70	40	72.8	56	70	60	136.2	72	76	78	247.0	86	108	84	451.8
24"	41	72	54	92.3	67	74	69	198.0	88	84	84	359.1	96	120	96	640.0

NOTE:

- VOLUMES GIVEN IN CUBIC FEET.
- BACKER TO BE CENTERED HORIZONTAL ON BEND.
- STEEL ANCHOR RODS WILL BE USED AS REQUIRED BY ENGINEER.
- BEND TO BE WRAPPED IN PLASTIC SHEETS PRIOR TO CONCRETE ENCASEMENT.



SECTION A - A



BENDS LESS THAN 90°

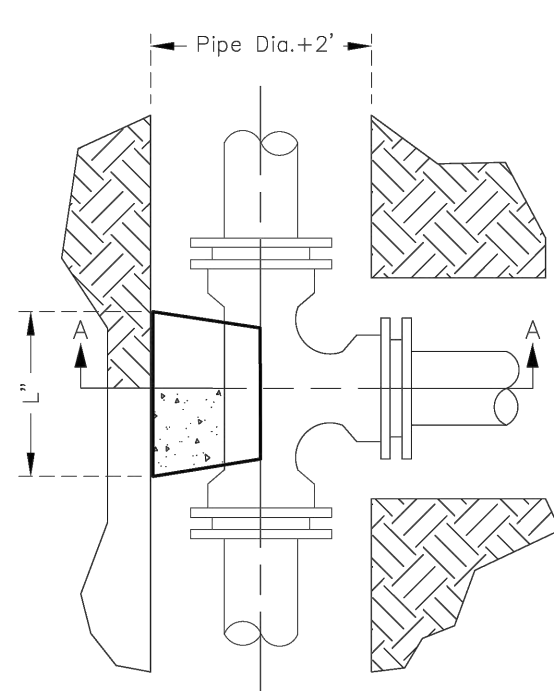
NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 4

THRUST BLOCKING FOR OVER VERTICAL BENDS (ONLY)	DRAWING NO. WA-3 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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320 W. MONUMENT AVE. DAYTON, OHIO 45402 CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING	
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SIZE OF PIPE	DEGREE OF BEND															
	11°				22°				45°				90°			
	L"	W"	H"	Vol.	L"	W"	H"	Vol.	L"	W"	H"	Vol.	L"	W"	H"	Vol.
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9	25	30	24	10.4
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0	27	48	25	18.7
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9	37	54	36	41.6
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2	47	60	46	75.0
10"+12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9	66	66	66	166.4
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2	72	96	72	28.0
20"	45	70	40	72.8	56	70	60	136.2	72	76	78	247.0	86	108	84	451.8
24"	41	72	54	92.3	67	74	69	198.0	88	84	84	359.1	96	120	96	640.0

STEEL WILL BE USED AS REQUIRED BY THE ENGINEER



PLAN VIEW

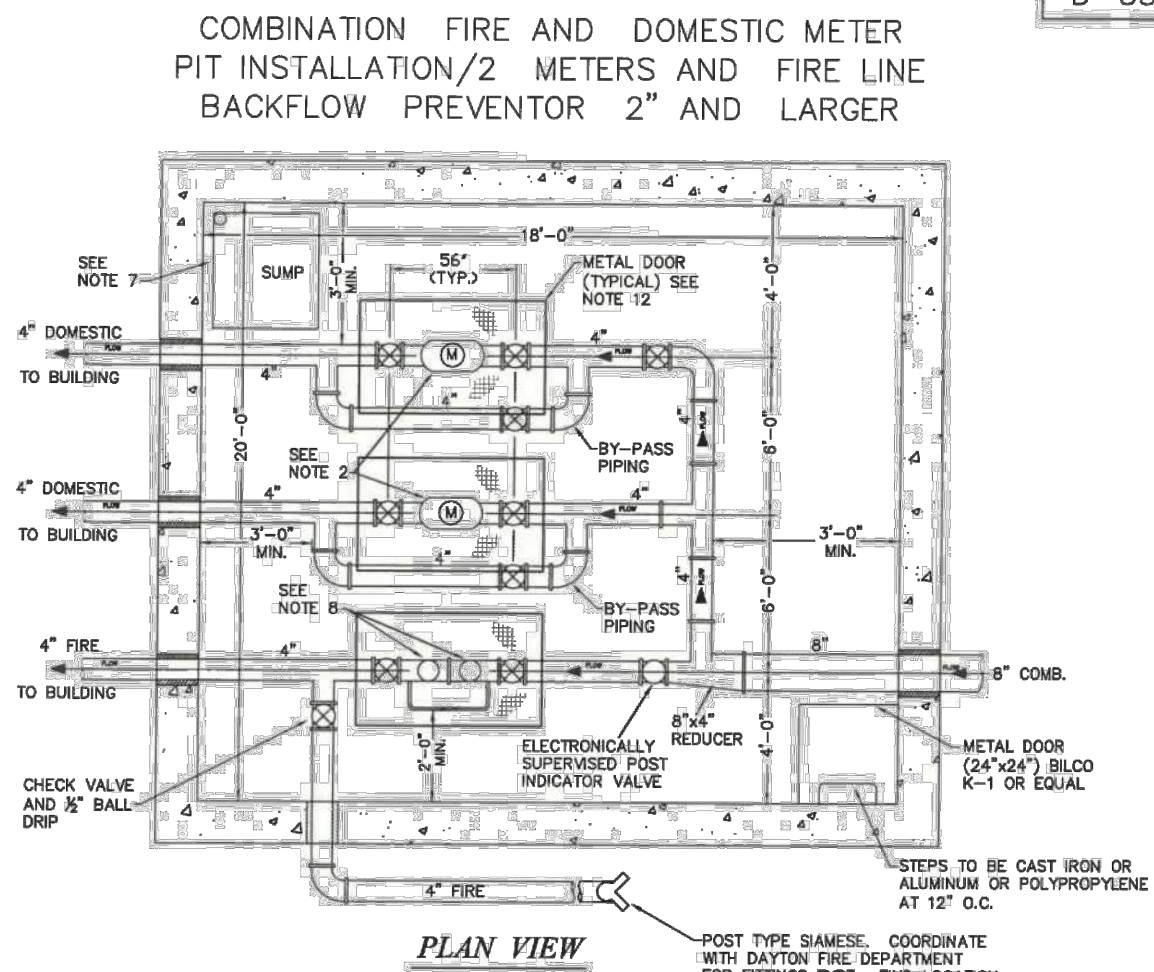
NOTE:

- BACKER DESIGN FOR 3000 PSF SOIL BEARING.
- CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
- PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
- A minimum of 6 mils thick polyethylene sheeting shall encase all bends tees and fittings where a thrust block is required and extend not less than 12" from the edge of the poured concrete.
- Contractor must mix bagged concrete with water prior to placing around fittings. Mixing concrete in trench is prohibited.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	1/20	Added Notes 4&5

THRUST BLOCKING FOR WATER MAIN TEES	DRAWING NO. WA-1 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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PLAN VIEW

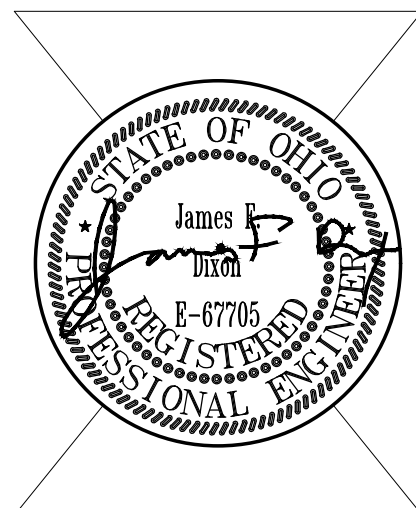
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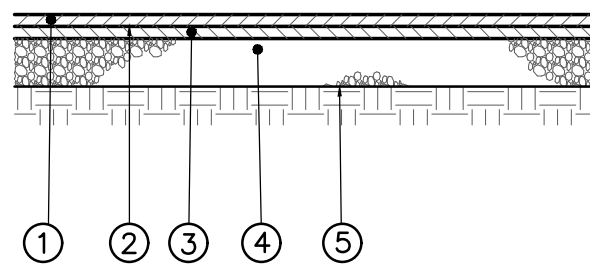
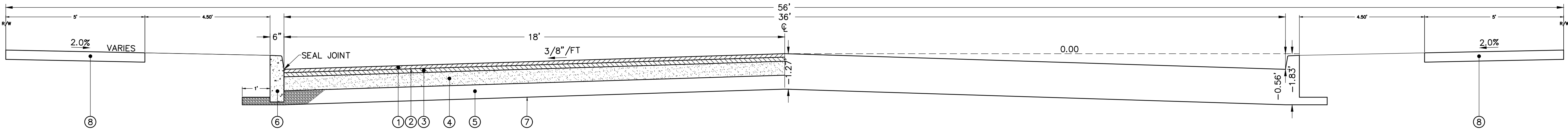
- REFER TO CITY OF DAYTON WATER DEPARTMENT STANDARDS FOR METER PIT SETTING REQUIREMENTS.
- CITY OF DAYTON WATER DEPARTMENT APPROVED WATER METER.
- PROVIDE 12"x12" CONCRETE SUPPORTS (3000 PSI CONCRETE) WITH #3 BARS IN CORNERS DOUBLED INTO FLOOR SLAB ALL VALVES. PROVIDE HANDWOOD BLOCK BETWEEN CONCRETE SUPPORT AND VALVE.
- PROVIDE WATERSTOP CONNECTION AT ALL PIPES. PROVIDE LINE-SEAL TYPE WALL PENETRATION SEAL.
- PROVIDE CONCRETE VAULT ABLE TO WITHSTAND 4"-20" WHEEL LOADS TO THE DIMENSIONS SHOWN.
- ALL PIPE SHALL BE CLASS 53 WITH FLANGE CONNECTIONS IN ACCORDANCE WITH CITY OF DAYTON WATER DEPARTMENT.
- CONNECT 2" PUMP DISCHARGE DRAIN TO STORM SEWER.
- 4" WATTS SERIES 7000CA DOUBLE CHECK DETECTOR ASSEMBLY (OR APPROVED EQUAL).

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 4

WATER METER PIT DETAIL	DRAWING NO. WA-2 SCALE: NOT TO SCALE DRAWN: JANUARY 2001 BY: JBS
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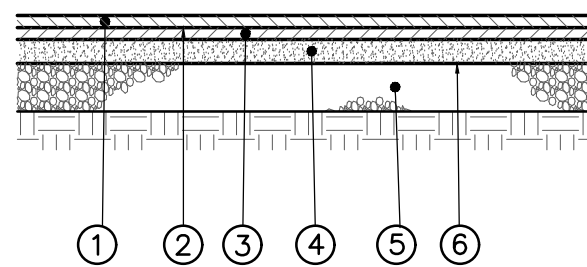
320 W. MONUMENT AVE. DAYTON, OHIO 45402 CITY OF DAYTON DEPARTMENT OF WATER DIVISION OF WATER ENGINEERING	
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1. ODOT 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG 70-22M (1.5")
2. ITEM 407, NON TRACKING TACK COAT, (0.1 GAL/SY)(TO BE APPLIED IF GREATER THAN 3 DAYS HAVE ELAPSED BETWEEN THE PLACEMENT OF SURFACE AND INTERMEDIATE COURSES)
3. ODOT 442 ASPHALT CONCRETE INERMEDATE COURSE, 19MM, TYPE A (448), PG64-28 (1.75")
4. 8" AGGREGATE BASE, ITEM 304
5. COMPACTED SUBGRADE, ODOT CMS ITEM 204

TYPICAL SECTION – LIGHT DUTY ASPHALT PAVEMENT
N.T.S.

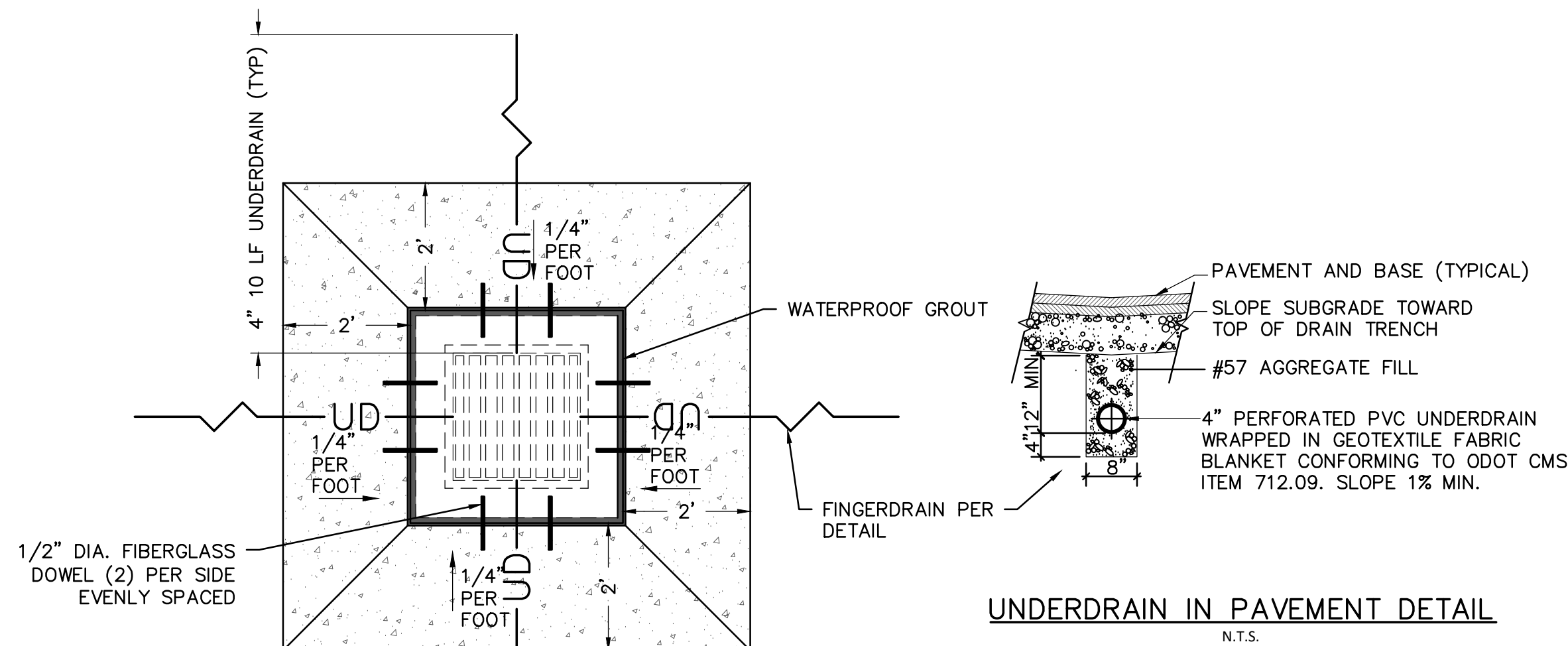


1. ODOT 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG 70-22M (1.5")
2. ITEM 407, NON TRACKING TACK COAT, (0.1 GAL/SY)(TO BE APPLIED IF GREATER THAN 3 DAYS HAVE ELAPSED BETWEEN THE PLACEMENT OF SURFACE AND INTERMEDIATE COURSES)
3. ODOT 442 ASPHALT CONCRETE INERMEDATE COURSE, 19MM, TYPE A (448), PG64-28 (1.75")
4. ODOT 302 BITUMINOUS AGGREGATE BASE (4")
5. 6" AGGREGATE BASE, ITEM 304
6. COMPACTED SUBGRADE, ODOT CMS ITEM 204

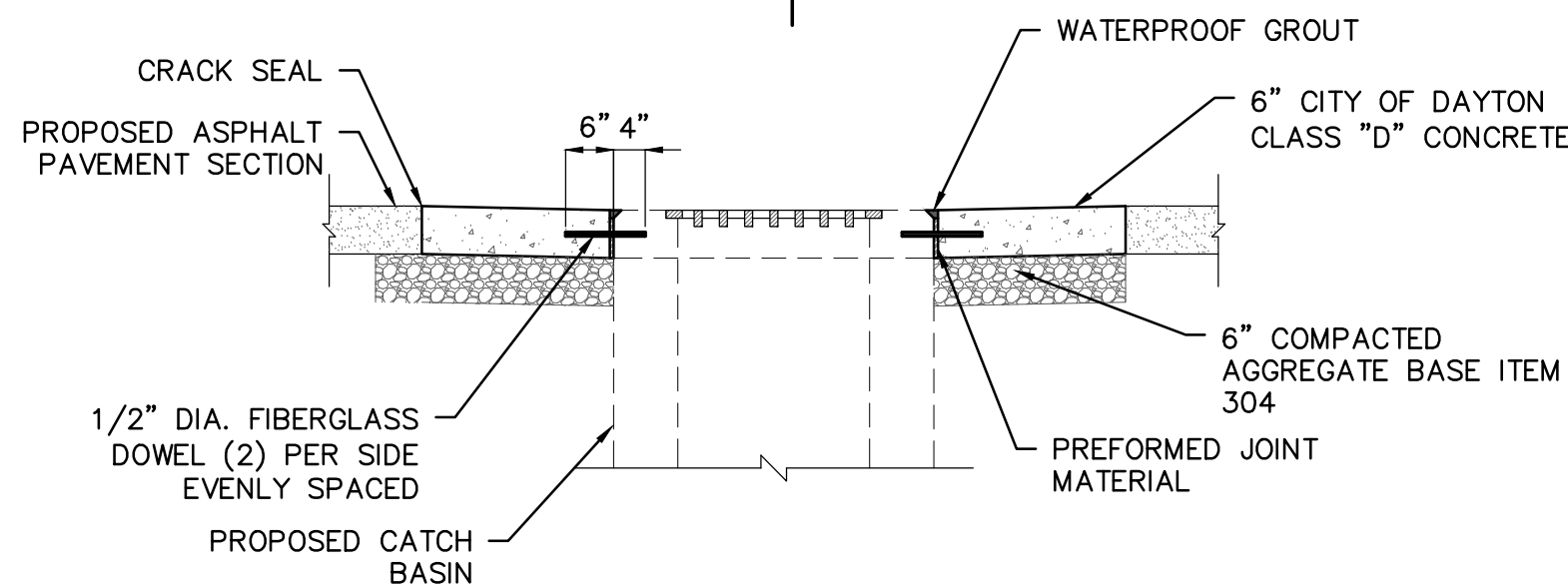
TYPICAL SECTION – HEAVY DUTY ASPHALT PAVEMENT
N.T.S.

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2. ITEM 407, NON TRACKING TACK COAT, (0.1 GAL/SY)(TO BE APPLIED IF GREATER THAN 3 DAYS HAVE ELAPSED BETWEEN THE PLACEMENT OF SURFACE AND INTERMEDIATE COURSES)
3. ODOT 442 ASPHALT CONCRETE INERMEDATE COURSE, 19MM, TYPE A (448), PG64-28 (1.75")
4. ODOT 302 BITUMINOUS AGGREGATE BASE (6")
5. 6" AGGREGATE BASE, ITEM 304
6. CONCRETE BARRIER CURB, ITEM 609 AND CITY OF DAYTON STANDARD DRAWING 8/45
7. COMPACTED SUBGRADE, ODOT CMS ITEM 204
8. 4" CONCRETE WALK, ITEM 608 AND CITY OF DAYTON STANDARD DRAWING 10/45

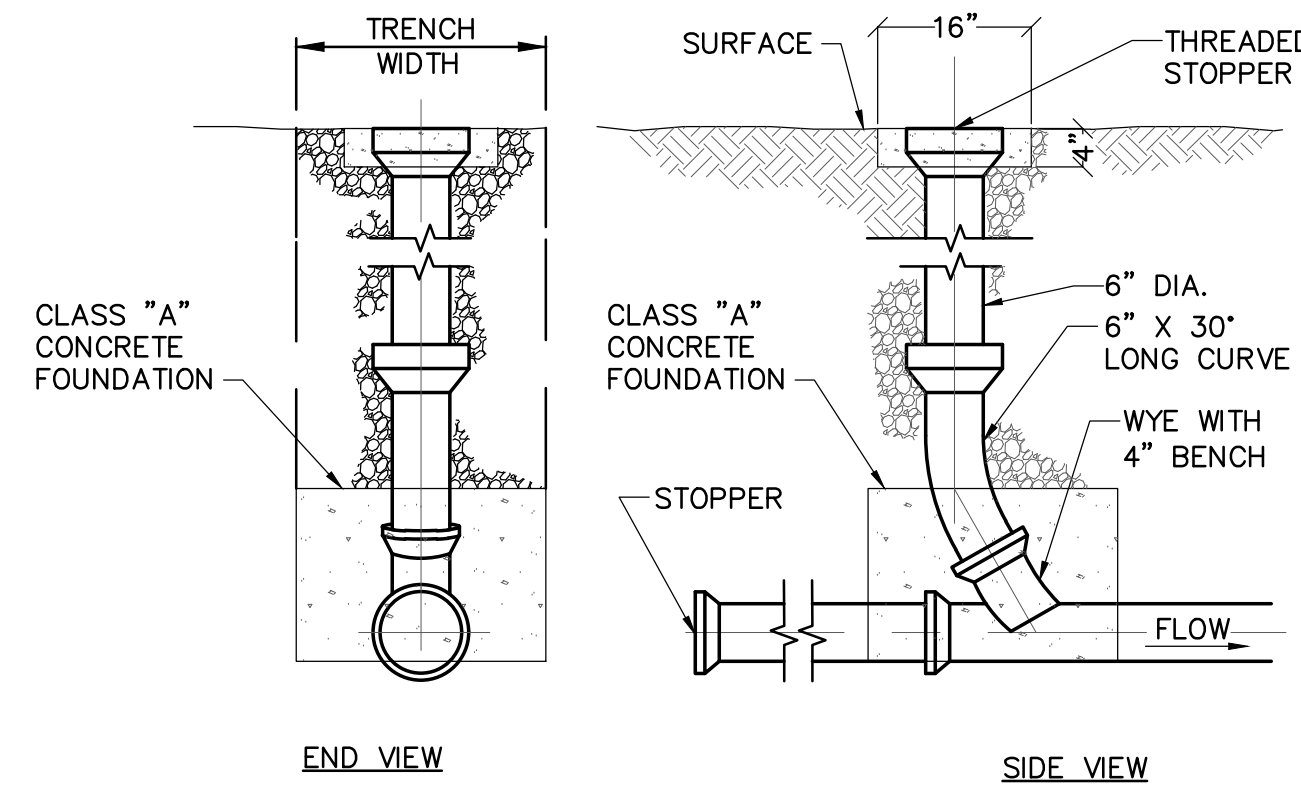
SEE CITY OF DAYTON STANDARD DRAWING 3/45
CITY OF DAYTON PUBLIC STREET TYPICAL SECTION DETAIL
N.T.S.



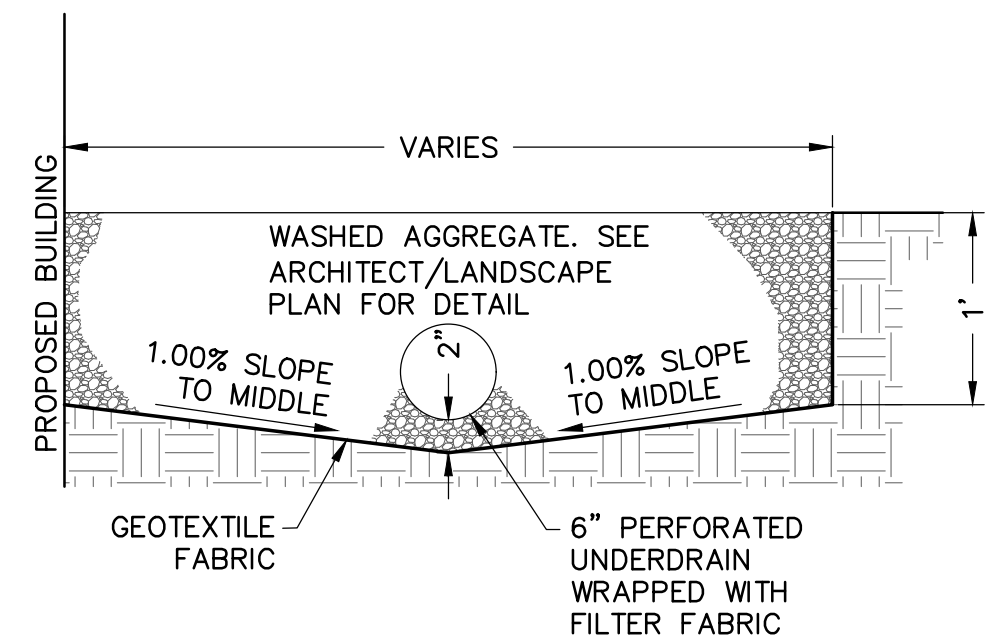
UNDERDRAIN IN PAVEMENT DETAIL
N.T.S.



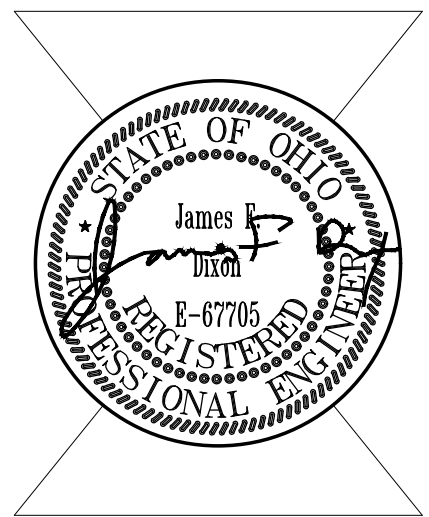
CONCRETE APRON FOR CATCH BASIN – WITH DOWEL JOINTS
N.T.S.



CLEANOUT DETAIL
N.T.S.



LANDSCAPE AGGREGATE UNDERDRAIN DETAIL
N.T.S.

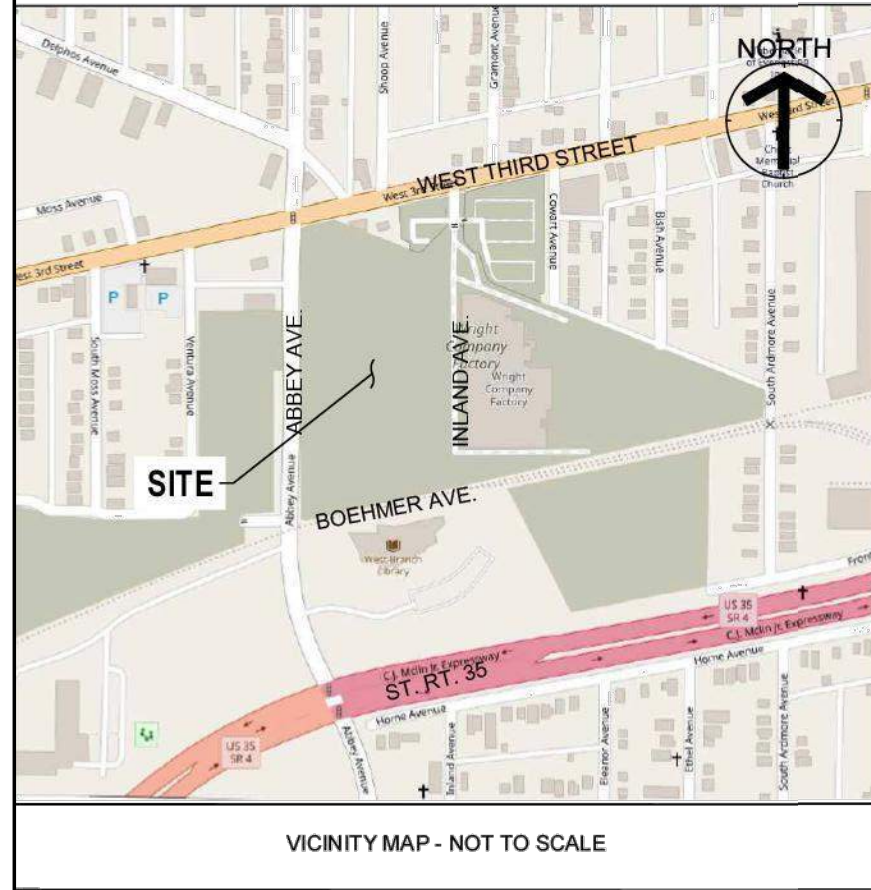


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SITE DETAILS

SHEET NO.
C1.0



SURVEY MONUMENT LEGEND

- - 5/8" Iron Pin Set w/cap CESO, Inc
- - Iron Pin Found as Described
- - Railroad Spike Found
- - Monument Found as Described
- - PK Nail/Mag Nail Found
- - Mag Nail Set
- ◆ - Benchmark Set
- Fnd. (F) - Found
- Rec. (R) - Deed
- Meas. (M) - Measured

TOPOGRAPHIC LEGEND

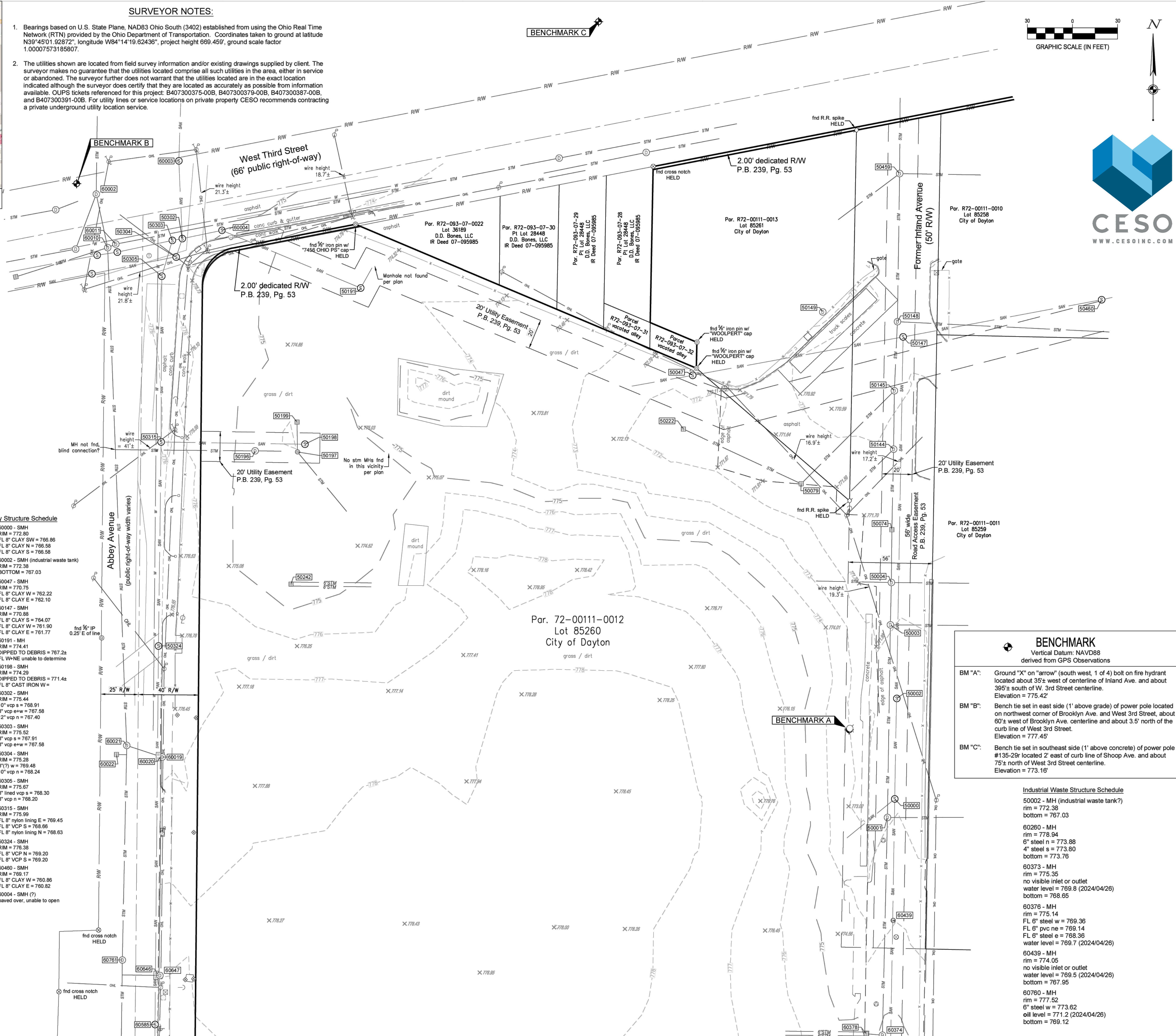
- Power / Telephone Pole
- Light Pole
- Power Pole
- Electric Box (Access)
- Signal Box
- Sanitary Manhole
- Storm Manhole
- Curb Inlet
- Catch Basin
- Signal Pole
- Guy Wire
- C-Valve Connection
- Fire Hydrant
- Telephone Manhole
- Bollard
- Catch Basin (Round)
- End Storm Drain
- Structure Number
- Gas Line
- Water Line
- Underground Electric
- Underground Communications
- Overhead Utility Line
- Storm Sewer
- Sanitary Sewer
- Handrail
- Fence Line

Storm Structure Schedule

- 50001 - DMH
RIM = 772.84
FL 15" CLAY E = 769.54
FL 15" CLAY N = 768.58
FL 15" CLAY S = 768.49
- 50003 - DMH
RIM = 772.04
FL 12" CLAY E = 768.24
FL 15" CLAY S = 767.82
FL 15" CLAY N = 767.76
- 50004 - DMH
RIM = 771.91
FL E = unable to measure
FL 15" CLAY W = 768.32
FL 15" CLAY N = 767.77
- 50074 - CB
RIM = 771.43
FL = unable to dip
- 50079 - CB
RIM = 771.48
FL NE = 769.29
FL NW = 769.20
- 50144 - DMH
RIM = 771.30
FL 12" RCP SW = 768.49
FL 18" RCP N = 767.30
FL 18" CLAY S = 767.26
- 50145 - DMH
RIM = 770.89
FL RCP SW = 767.82
FL 18" RCP N = 767.07
FL 18" RCP S = 767.07
- 50148 - DMH
RIM = 770.85
FL 12" RCP E = 768.02
FL 18" RCP N = 766.90
FL 18" RCP S = 766.90
- 50196 - DMH
RIM = 774.78
DIPPED TO DEBRIS = 770.14
FL 24" RCP E-W = 770.14
RIM = 774.04
DIPPED TO DEBRIS = 772.54
FL 12" CLAY N = 769.50
FL 8" CLAY S = 769.23
- 50199 - CB
RIM = 774.41
FL 12" CLAY S = 771.71
- 50222 - CB
RIM = 771.41
FL SE = 769.76
- 50242 - CB (broken conc)
RIM = 774.41
FL 6" METAL E = 772.78
FL 8" VCP E = 771.63
- 50459 - DMH
RIM = 770.77
FL 12" RCP SW = 767.28
FL 12" RCP N = 767.02
FL 18" RCP S = 767.02
FL 12" RCP E = 767.00
- 50461 - CB
RIM = 767.62
FL = unable to dip
- 50010 - DMH
RIM = 776.16
FL 24" vcp e = 770.64
FL 12" CLAY E = 770.57
FL 54" brick s = 766.94
FL 54" brick n = 766.63
- 50020 - curb inlet
RIM = 776.14
FL 12" vcp w = 773.18
- 50021 - DMH
RIM = 776.85
FL 12" vcp e = 772.70
FL 54" brick s = 770.27
FL 54" brick n = 770.22
- 50022 - DG inlet
RIM = 776.47
FL 15" vcp e = 774.36
- 50034 - DMH
RIM = 775.21
FL 12" vcp w = 769.61
FL 12" vcp e = 769.59
FL 15" vcp s = 769.50
FL 15" vcp n = 769.23
- 50376 - CB
RIM = 774.73
FL 6" steel w = 772.88
FL 6" steel w = 772.78
RIM = 771.41
FL SE = 769.76
- 50761 - DMH
RIM = 779.00
FL 54" brick n-s = 771.73
- 50367 - CB
RIM = 776.87
FL 6" vcp s = 772.87
FL 12" pvc w = 772.69
FL 12" RCP SW = 767.02
FL 12" RCP N = 767.02
FL 12" RCP S = 767.02
FL 12" RCP E = 767.00
- 50000 - SMH
RIM = 772.80
FL 8" CLAY SW = 766.86
FL 8" CLAY N = 766.58
FL 8" CLAY S = 766.58
- 50002 - SMH (industrial waste tank)
RIM = 772.38
BOTTOM = 767.03
- 50047 - SMH
RIM = 770.75
FL 8" CLAY W = 762.22
FL 8" CLAY E = 762.10
- 50147 - SMH
RIM = 770.88
FL 8" CLAY S = 764.07
FL 8" CLAY W = 761.90
FL 8" CLAY E = 761.77
- 50191 - MH
RIM = 774.41
DIPPED TO DEBRIS = 767.24
FL WNE unable to determine
- 50198 - SMH
RIM = 774.29
DIPPED TO DEBRIS = 771.44
FL 8" CAST IRON W = 771.44
- 50302 - SMH
RIM = 775.44
10" vcp s = 768.91
8" vcp e-w = 767.58
12" vcp n = 767.40
- 50303 - SMH
RIM = 775.52
8" vcp s = 767.91
8" vcp e-w = 767.58
- 50304 - SMH
RIM = 775.28
FL 8" VCP N = 769.45
FL 8" VCP S = 768.66
FL 8" nylon lining N = 768.63
- 50324 - SMH
RIM = 776.38
FL 8" VCP N = 769.20
FL 8" VCP S = 769.20
- 50480 - SMH
RIM = 769.17
FL 8" CLAY W = 760.88
FL 8" CLAY E = 760.82
- 60004 - SMH (?)
paved over, unable to open

Sanitary Structure Schedule

- 50000 - SMH
RIM = 772.80
FL 8" CLAY SW = 766.86
FL 8" CLAY N = 766.58
FL 8" CLAY S = 766.58
- 50002 - SMH (industrial waste tank)
RIM = 772.38
BOTTOM = 767.03
- 50047 - SMH
RIM = 770.75
FL 8" CLAY W = 762.22
FL 8" CLAY E = 762.10
- 50147 - SMH
RIM = 770.88
FL 8" CLAY S = 764.07
FL 8" CLAY W = 761.90
FL 8" CLAY E = 761.77
- 50191 - MH
RIM = 774.41
DIPPED TO DEBRIS = 767.24
FL WNE unable to determine
- 50198 - SMH
RIM = 774.29
DIPPED TO DEBRIS = 771.44
FL 8" CAST IRON W = 771.44
- 50302 - SMH
RIM = 775.44
10" vcp s = 768.91
8" vcp e-w = 767.58
12" vcp n = 767.40
- 50303 - SMH
RIM = 775.52
8" vcp s = 767.91
8" vcp e-w = 767.58
- 50304 - SMH
RIM = 775.28
FL 8" VCP N = 769.45
FL 8" VCP S = 768.66
FL 8" nylon lining N = 768.63
- 50324 - SMH
RIM = 776.38
FL 8" VCP N = 769.20
FL 8" VCP S = 769.20
- 50480 - SMH
RIM = 769.17
FL 8" CLAY W = 760.88
FL 8" CLAY E = 760.82
- 60004 - SMH (?)
paved over, unable to open



BENCHMARK
Vertical Datum: NAVD88
derived from GPS Observations

BM "A": Ground "X" on "arrow" (south west, 1 of 4) bolt on fire hydrant located about 35± west of centerline of Inland Ave. and about 395± south of W. 3rd Street centerline. Elevation = 775.42'

BM "B": Bench tie set in east side (1' above grade) of power pole located on northwest corner of Brooklyn Ave. and West 3rd Street, about 60± west of Brooklyn Ave. centerline and about 3.5' north of the curb line of West 3rd Street. Elevation = 777.45'

BM "C": Bench tie set in southeast side (1' above concrete) of power pole #135-29r located 2' east of curb line of Shoep Ave. and about 75± north of West 3rd Street centerline. Elevation = 773.16'

Industrial Waste Structure Schedule

- 50002 - MH (industrial waste tank?)
rim = 772.38
bottom = 767.03
- 60260 - MH
rim = 778.94
6" steel n = 773.88
4" steel s = 773.80
bottom = 773.76
- 60373 - MH
rim = 775.35
no visible inlet or outlet
water level = 769.8 (2024/04/26)
bottom = 768.65
- 60376 - MH
rim = 775.14
FL 6" steel w = 769.36
FL 6" pvc ne = 769.14
FL 6" steel e = 768.36
water level = 769.7 (2024/04/26)
- 60439 - MH
rim = 774.05
no visible inlet or outlet
water level = 769.5 (2024/04/26)
bottom = 767.95
- 60760 - MH
rim = 777.52
6" steel w = 773.62
oil level = 771.2 (2024/04/26)
bottom = 769.12

CITY OF DAYTON

NEW POLICE STATION

10 Abbey Ave., Dayton, Ohio 45417

ISSUE		
NO.	DATE	DESCRIPTION

DATE	8/14/2024
JOB NO.	4205.00
DRAWN	RLC
CHECKED	JKH

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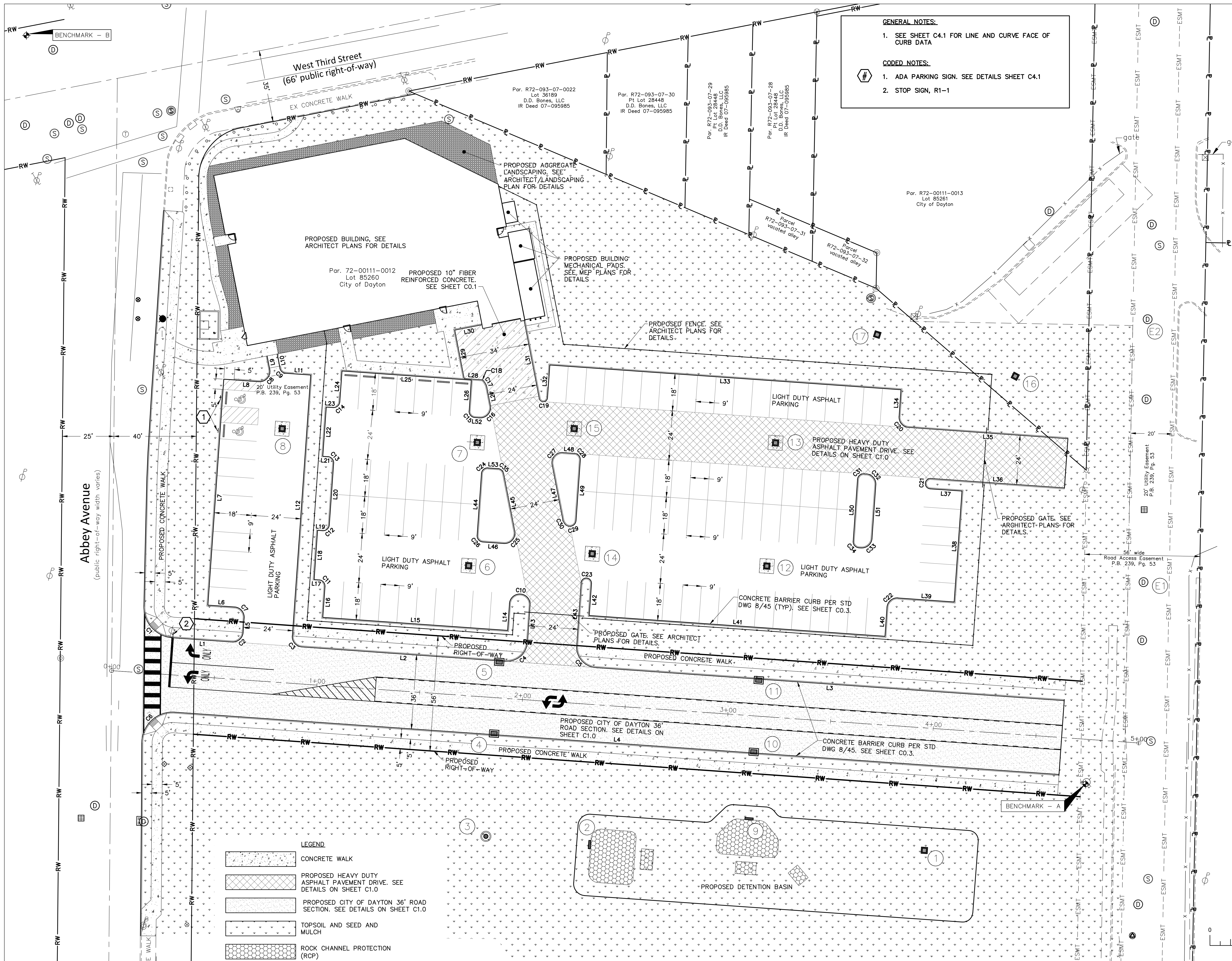
TITLE
EXISTING SURVEY

SHEET NO.

C2.0

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615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
www.app-arch.com



Kabil Associates, Inc.
Engineers
Architects
Planners
5900 Sharon Woods Boulevard Columbus, Ohio 43229
Phone: (614) 899-5707 Fax: (614) 899-7563



CITY OF DAYTON

NEW POLICE STATION

10 Abbey Ave, Dayton, Ohio 45417

ISSUE

NO.	DATE	DESCRIPTION
-----	------	-------------

DATE 8/14/2024

JOB NO. 4205.00

DRAWN KT

CHECKED JFD

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TITLE
SITE PLAN

SHEET NO.

C4.0

FACE OF CURB DATA

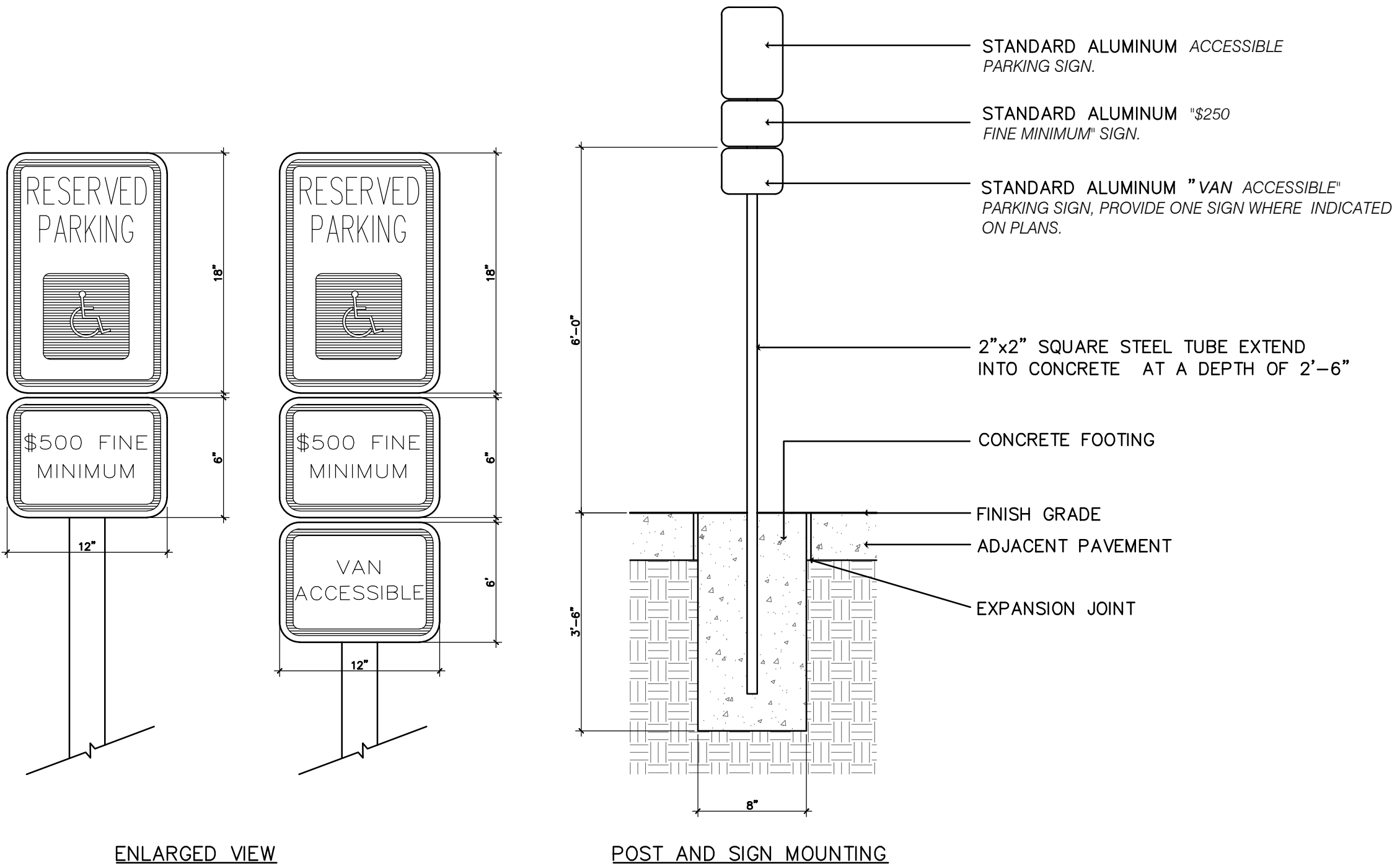
Curve Table				Center Point Table		
Curve #	Length	Radius	Delta	Point #	Northing	Easting
C1	22.83	15.00	87.22	1	642414.15	1479330.26
C2	7.85	5.00	90.00	2	642402.15	1479358.43
C3	7.85	5.00	90.00	3	642399.76	1479392.35
C4	15.71	10.00	90.00	4	642397.79	1479491.54
C5	15.71	10.00	90.00	5	642394.70	1479535.43
C6	24.53	15.00	93.70	6	642348.06	1479329.25
C7	7.85	5.00	90.00	7	642409.13	1479358.92
C8	9.16	5.00	105.00	8	642528.54	1479371.44
C9	3.93	3.00	75.00	9	642530.65	1479384.28
C10	15.71	5.00	180.00	10	642415.39	1479497.79
C11	4.71	3.00	90.00	11	642424.27	1479400.17
C12	4.71	3.00	90.00	12	642454.19	1479402.28
C13	4.71	3.00	90.00	13	642484.12	1479404.39
C14	4.71	3.00	90.00	14	642513.98	1479407.38
C15	4.71	3.00	90.00	15	642509.14	1479476.21
C16	9.16	5.00	105.00	16	642510.97	1479478.60
C17	4.14	7.00	33.85	17	642519.23	1479474.96
C18	0.72	1.00	41.15	18	642523.46	1479479.22
C19	5.76	2.00	165.00	19	642515.82	1479509.24
C20	7.85	5.00	90.00	20	642506.33	1479687.01
C21	7.85	2.50	180.00	21	642474.03	1479697.27
C22	7.85	5.00	90.00	22	642413.51	1479681.11
C23	7.85	2.50	180.00	23	642425.65	1479530.09
C24	4.71	3.00	90.00	24	642478.64	1479482.20
C25	9.16	5.00	105.00	25	642449.99	1479490.42
C26	4.71	3.00	90.00	26	642448.72	1479480.09
C27	9.16	5.00	105.00	27	642484.11	1479518.44
C28	4.71	3.00	90.00	28	642485.71	1479524.16
C29	6.98	3.00	133.30	29	642456.33	1479522.10
C30	2.77	5.00	31.70	30	642457.69	1479523.57
C31	4.71	3.00	90.00	31	642475.81	1479664.82
C32	7.85	5.00	90.00	32	642473.74	1479665.67
C33	7.85	5.00	90.00	33	642447.81	1479663.85
C34	4.71	3.00	90.00	34	642445.88	1479662.71
C35	3.93	3.00	75.00	35	642478.31	1479486.97

FACE OF CURB DATA

Line Table					
Line #	Length	Start Northing	Start Easting	End Northing	End Easting
L1	28.94'	642399.19	1479329.21	642397.16	1479358.08
L2	99.09'	642387.81	1479490.84	642394.77	1479392.00
L3	228.00'	642368.71	1479762.17	642384.72	1479534.73
L4	430.40'	642332.80	1479759.64	642363.03	1479330.30
L5	7.00'	642408.78	1479363.91	642401.79	1479363.42
L6	13.00'	642415.03	1479346.31	642414.12	1479359.27
L7	105.00'	642519.77	1479353.68	642415.03	1479346.31
L8	12.10'	642523.56	1479371.09	642524.41	1479359.02
L9	6.66'	642536.03	1479375.08	642529.50	1479376.35
L10	7.03'	642536.98	1479379.99	642530.08	1479381.33
L11	12.25'	642527.66	1479384.07	642526.80	1479396.28
L12	127.00'	642526.80	1479396.28	642400.11	1479387.36
L13	18.00'	642415.04	1479502.78	642397.08	1479501.52
L14	13.00'	642415.74	1479492.80	642402.77	1479491.89
L15	90.00'	642402.77	1479491.89	642409.10	1479402.11
L16	15.00'	642409.10	1479402.11	642424.06	1479403.17
L17	2.50'	642427.26	1479400.39	642427.44	1479397.89
L18	24.00'	642427.44	1479397.89	642451.38	1479399.58
L19	2.50'	642451.38	1479399.58	642451.20	1479402.07
L20	30.00'	642453.98	1479405.27	642483.91	1479407.38
L21	2.50'	642487.11	1479404.60	642487.29	1479402.11
L22	24.00'	642487.29	1479402.11	642511.23	1479403.79
L23	3.39'	642511.23	1479403.79	642510.99	1479407.17
L24	15.00'	642513.77	1479410.37	642528.74	1479411.43
L25	63.00'	642524.31	1479474.27	642528.74	1479411.43
L26	15.00'	642524.31	1479474.27	642509.35	1479473.22
L27	8.80'	642511.93	1479483.51	642520.57	1479481.83

Line Table					
Line #	Length	Start Northing	Start Easting	End Northing	End Easting
L28	8.53'	642525.06	1479470.78	642524.46	1479479.29
L29	23.98'	642548.61	1479466.21	642525.06	1479470.78
L30	13.47'	642551.17	1479479.43	642548.61	1479466.21
L31	38.53'	642553.26	1479499.94	642515.44	1479507.28
L32	16.02'	642515.68	1479511.23	642531.65	1479512.36
L33	171.00'	642531.65	1479512.36	642519.64	1479682.94
L34	13.00'	642519.64	1479682.94	642506.68	1479682.02
L35	77.50'	642501.34	1479686.66	642495.89	1479763.97
L36	65.00'	642476.52	1479697.45	642471.95	1479762.29
L37	15.50'	642471.53	1479697.10	642470.44	1479712.56
L38	54.00'	642470.44	1479712.56	642416.58	1479708.76
L39	27.37'	642418.50	1479681.46	642416.58	1479708.76
L40	14.00'	642413.86	1479676.13	642399.90	1479675.14
L41	144.00'	642399.90	1479675.14	642410.01	1479531.50
L42	15.50'	642425.47	1479532.59	642410.01	1479531.50
L43	30.50'	642425.82	1479527.60	642395.40	1479525.46
L44	30.00'	642448.93	1479477.10	642478.85	1479479.20
L45	28.45'	642478.88	1479489.92	642450.95	1479495.33
L46	10.22'	642445.01	1479490.07	642445.72	1479479.88
L47	26.92'	642483.16	1479513.53	642456.73	1479518.66
L48	5.60'	642488.70	1479524.37	642489.10	1479518.79
L49	29.46'	642456.12	1479525.09	642485.50	1479527.16
L50	30.00'	642446.09	1479659.72	642476.02	1479661.82
L51	26.00'	642473.39	1479670.66	642447.46	1479668.83
L52	2.26'	642506.15	1479476.00	642505.99	1479478.25
L53	4.79'	642481.64	1479482.41	642481.30	1479487.18

NOTE: CONCRETE BARRIER CURB PER STD DWG 8/45. SEE SHEET C0.3.



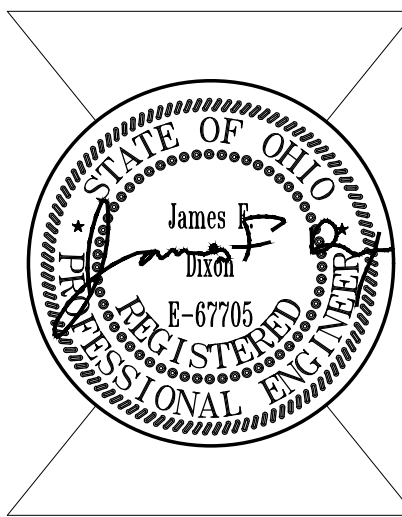
ADA PARKING SIGN DETAILS
N.T.S.

STORM STRUCTURE TABLE

					AS-BUILT		
NUMBER	TYPE	RIM	NORTHING	EASTING	RIM	NORTHING	EASTING
1	OUTLET—CB NO.3A, STD DRAWING ST-2	774.00	642295.9624	1479694.2505			
2	CONCRETE PIPE HEADWALL, STD DRAWING ST-8	771.00	642298.7303	1479532.1760			
3	MANHOLE TYPE A PER G-3	778.00	642302.7706	1479481.3363			
4	CURB INLET — CB NO.3A PER ST-5	775.44	642351.6281	1479485.0703			
5	CURB INLET — CB NO.3A PER ST-5	775.44	642387.5244	1479487.8275			
6	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642434.1845	1479472.9515			
7	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642494.0347	1479477.1519			
8	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.35	642500.7050	1479382.4137			
9	OUTLET—CB NO.3A, STD DRAWING ST-2	770.00	642310.8157	1479609.0872			
10	CURB INLET — CB NO.3A	774.18	642343.7344	1479611.4051			
11	CURB INLET — CB NO.3A	774.18	642378.6478	1479613.8637			
12	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642434.1354	1479617.7705			
13	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642493.8626	1479621.9755			
14	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642439.9808	1479532.9737			
15	STANDARD CATCH BASIN, NO.2-2B PER ST-1	775.00	642500.7448	1479524.2174			
16	STANDARD CATCH BASIN, NO.2-2B PER ST-1	770.50	642526.1878	1479738.4024			
17	STANDARD CATCH BASIN, NO.2-2B PER ST-1	771.50	642546.4179	1479671.3885			
E1	EXISTING MANHOLE 50004				771.91	642426.1760	1479800.7020
E2	EXISTING MANHOLE 50145				770.89	642553.8380	1479802.7090



Kabil Associates, Inc.
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Phone: (614) 899-6707 Fax: (614) 899-7563



CITY OF DAYTON

NEW POLICE STATION

10 Abbey Ave, Dayton, Ohio 45417

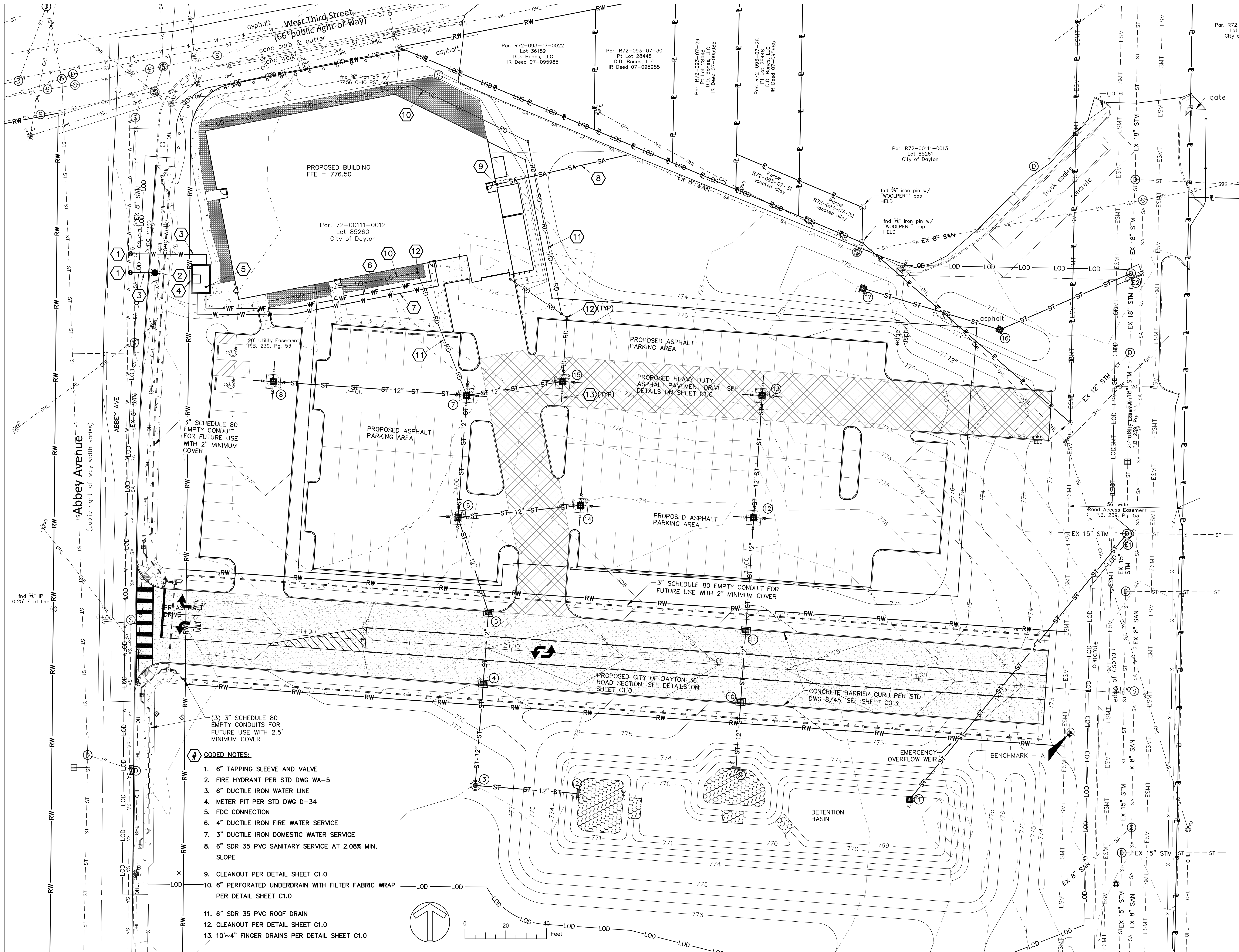
ISSUE		
NO.	DATE	DESCRIPTION

DATE 8/14/2024
JOB NO. 4205.00
DRAWN KT
CHECKED JFD

TITLE
SITE PLAN
DETAILS

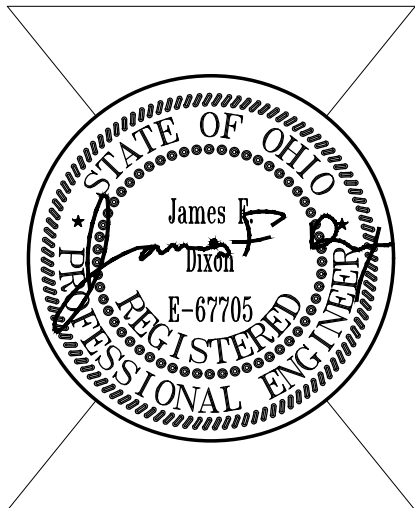
SHEET NO.

C4.1



- CODED NOTES:**
- 6" TAPPING SLEEVE AND VALVE
 - FIRE HYDRANT PER STD DWG WA-5
 - 6" DUCTILE IRON WATER LINE
 - METER PIT PER STD DWG D-34
 - FDC CONNECTION
 - 4" DUCTILE IRON FIRE WATER SERVICE
 - 3" DUCTILE IRON DOMESTIC WATER SERVICE
 - 6" SDR 35 PVC SANITARY SERVICE AT 2.08% MIN. SLOPE
 - CLEANOUT PER DETAIL SHEET C1.0
 - 6" PERFORATED UNDERDRAIN WITH FILTER FABRIC WRAP PER DETAIL SHEET C1.0
 - 6" SDR 35 PVC ROOF DRAIN
 - CLEANOUT PER DETAIL SHEET C1.0
 - 10"~4" FINGER DRAINS PER DETAIL SHEET C1.0

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Engineers
Architects
Planners
5900 Sharon Woods Boulevard Columbus, Ohio 43229
Phone: (614) 899-5707 Fax: (614) 899-7503

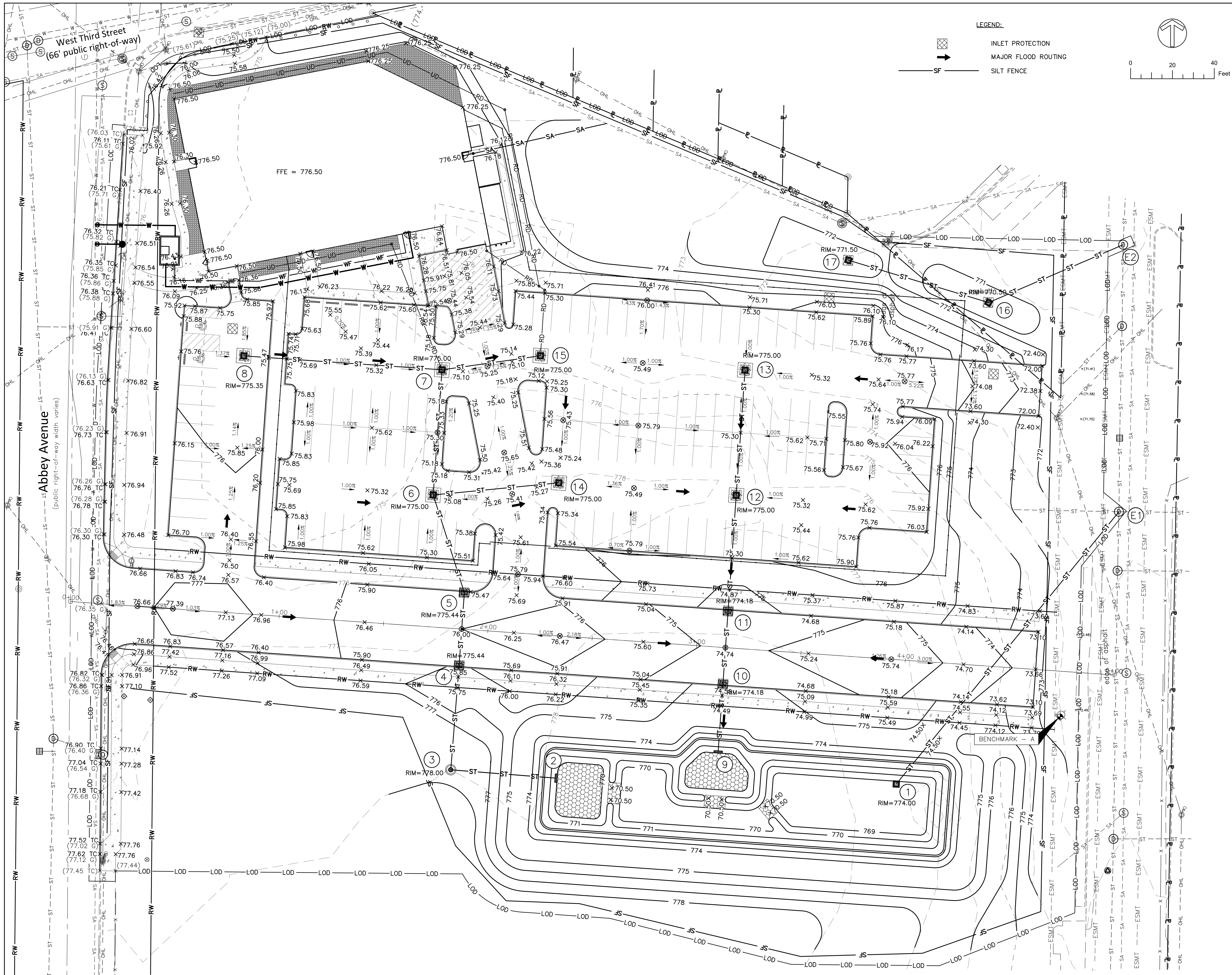


APP Architecture
creative focused design
615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
www.app-arch.com

CITY OF DAYTON
NEW POLICE STATION
10 Abbey Ave., Dayton, Ohio 45417

ISSUE		
NO.	DATE	DESCRIPTION

DATE	8/14/2024
JOB NO.	4205.00
DRAWN	KT
CHECKED	JFD
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TITLE	UTILITY PLAN
SHEET NO.	C5.0



Kabil Associates, Inc.
Engineers
Architects
Planners
5900 Sharon Woods Boulevard Columbus, Ohio 43229
Phone: (614) 899-5707 Fax: (614) 899-7563



CITY OF DAYTON

NEW POLICE STATION

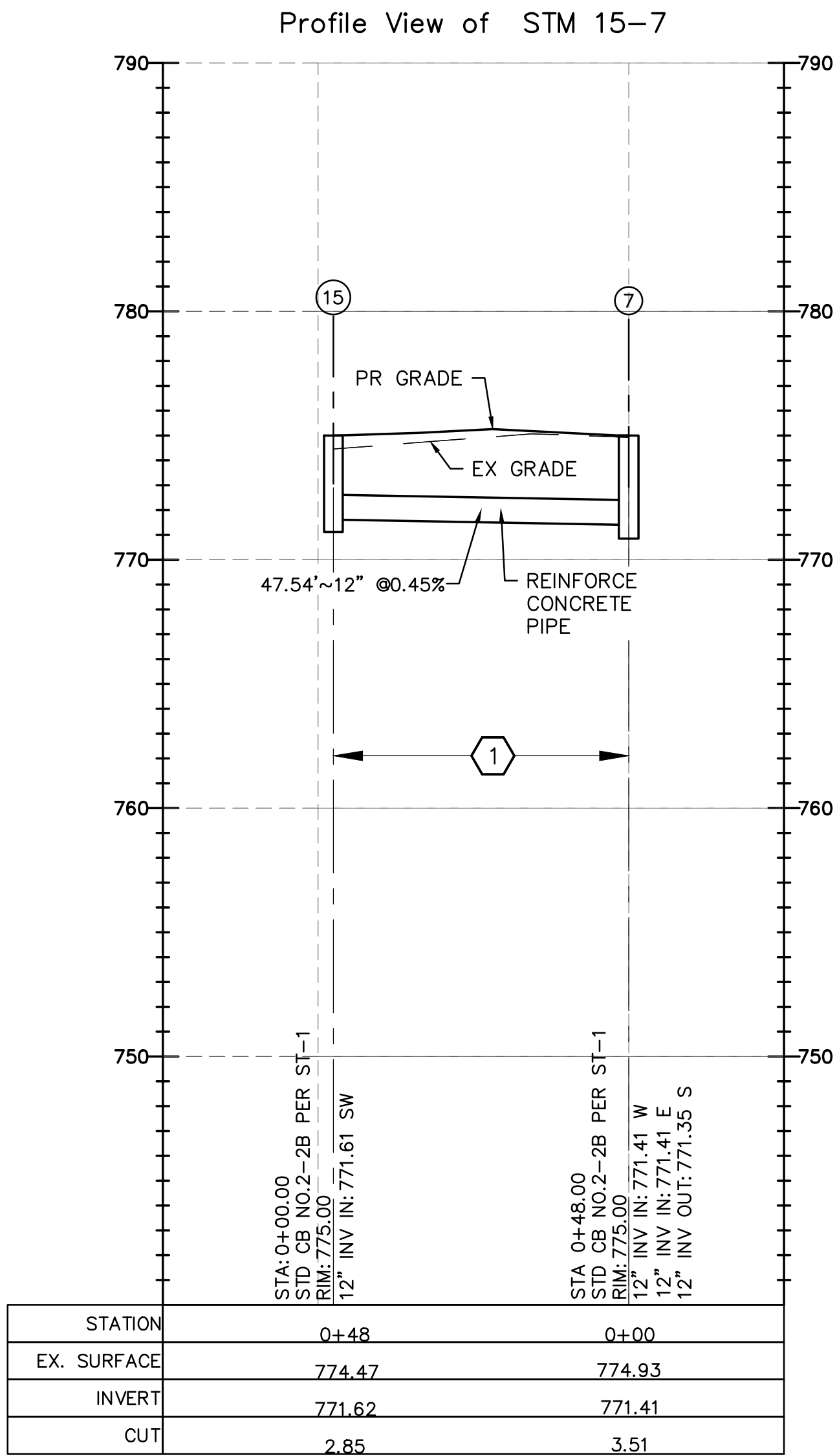
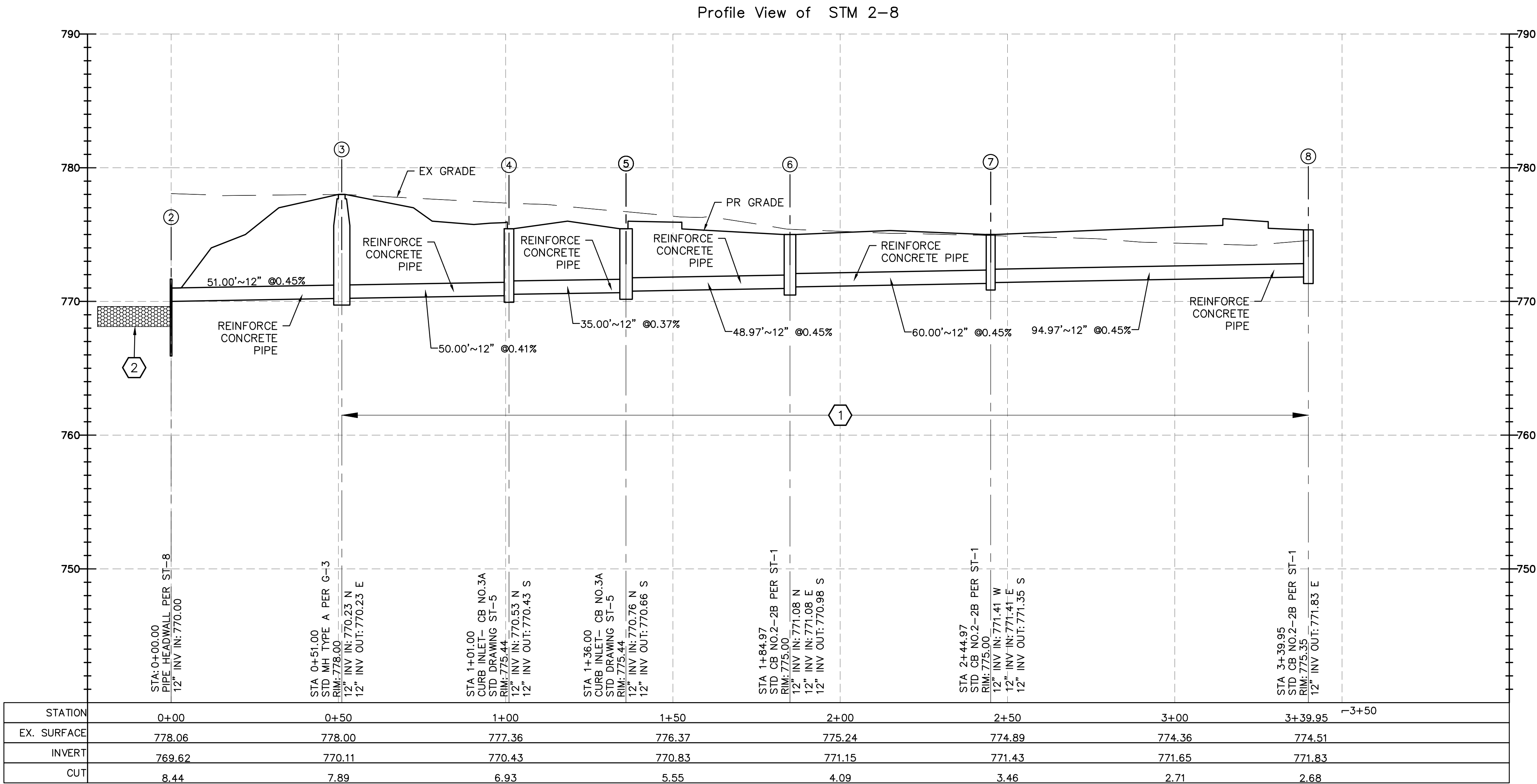
10 Abbey Ave, Dayton, Ohio 45417

ISSUE		
NO.	DATE	DESCRIPTION

DATE	8/14/2024
JOB NO.	4205.00
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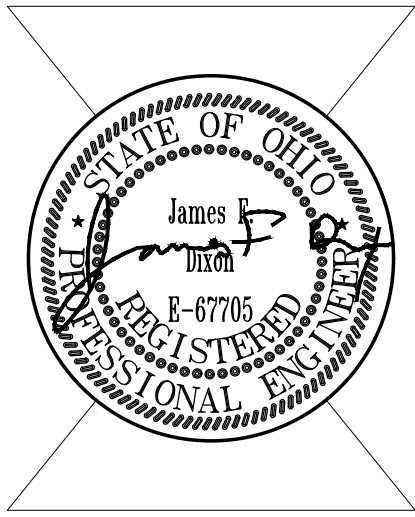
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TITLE
GRADING AND DRAINAGE PLAN

SHEET NO.
C6.0



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=5'

CODED NOTES:
1 COMPACTED GRANULAR BACKFILL PER ITEM 813.
2 ROCK CHANNEL PROTECTION TYPE C WITHOUT FILTER, AS PER PLAN



App Architecture
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615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
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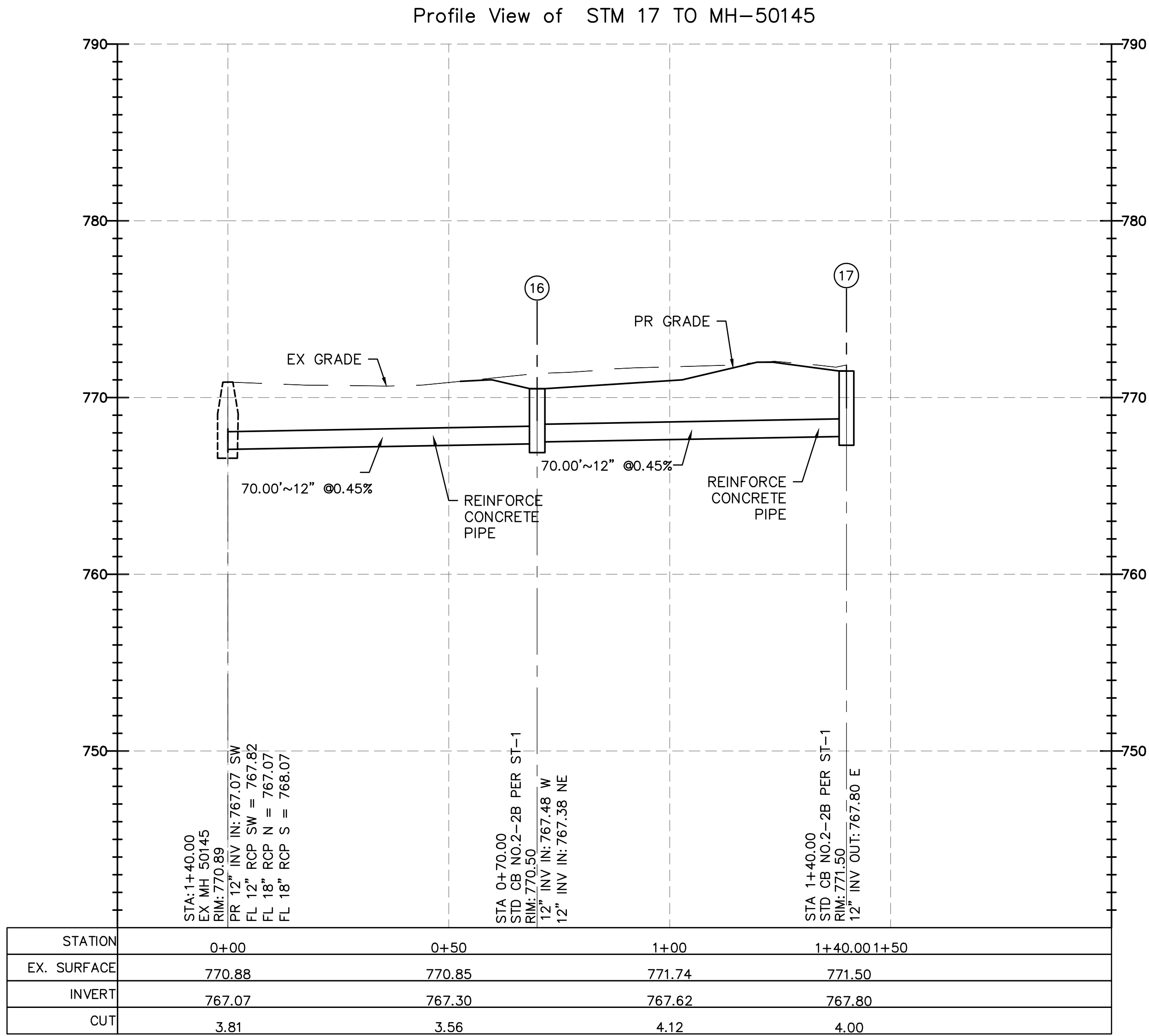
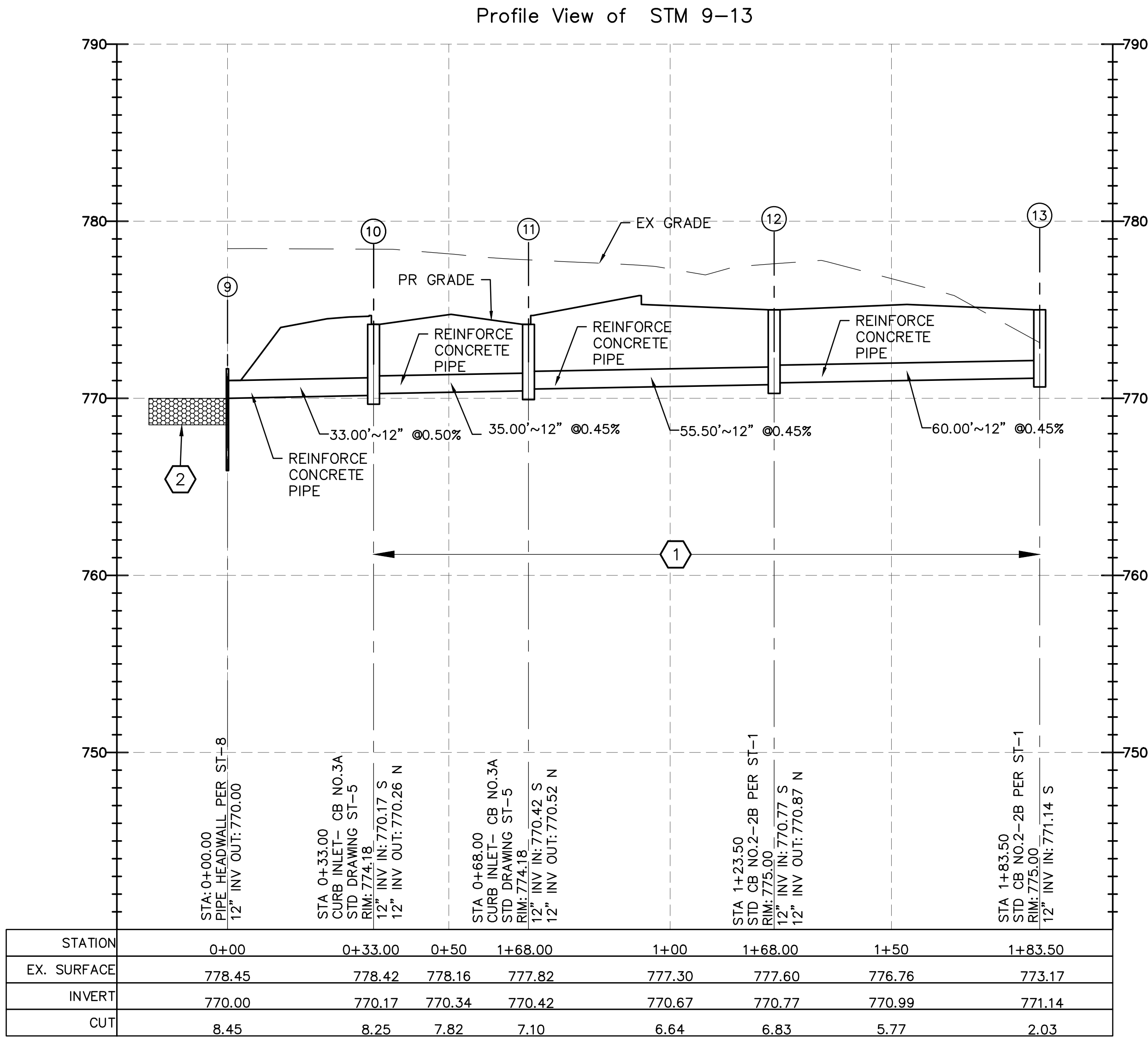
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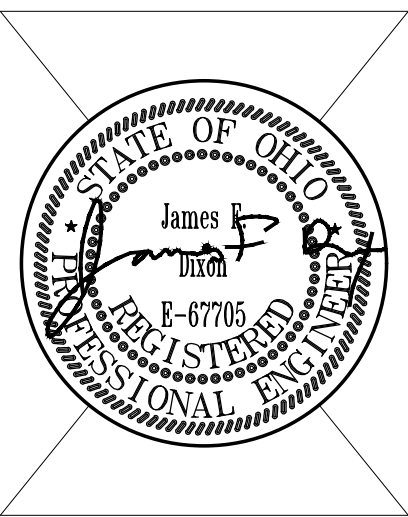
TITLE
**STORM
PROFILES**

SHEET NO.
C7.0



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE: 1"=5'

- CODED NOTES:**
- 1 COMPACTED GRANULAR BACKFILL PER ITEM 813.
- 2 ROCK CHANNEL PROTECTION TYPE C WITHOUT FILTER, AS PER PLAN

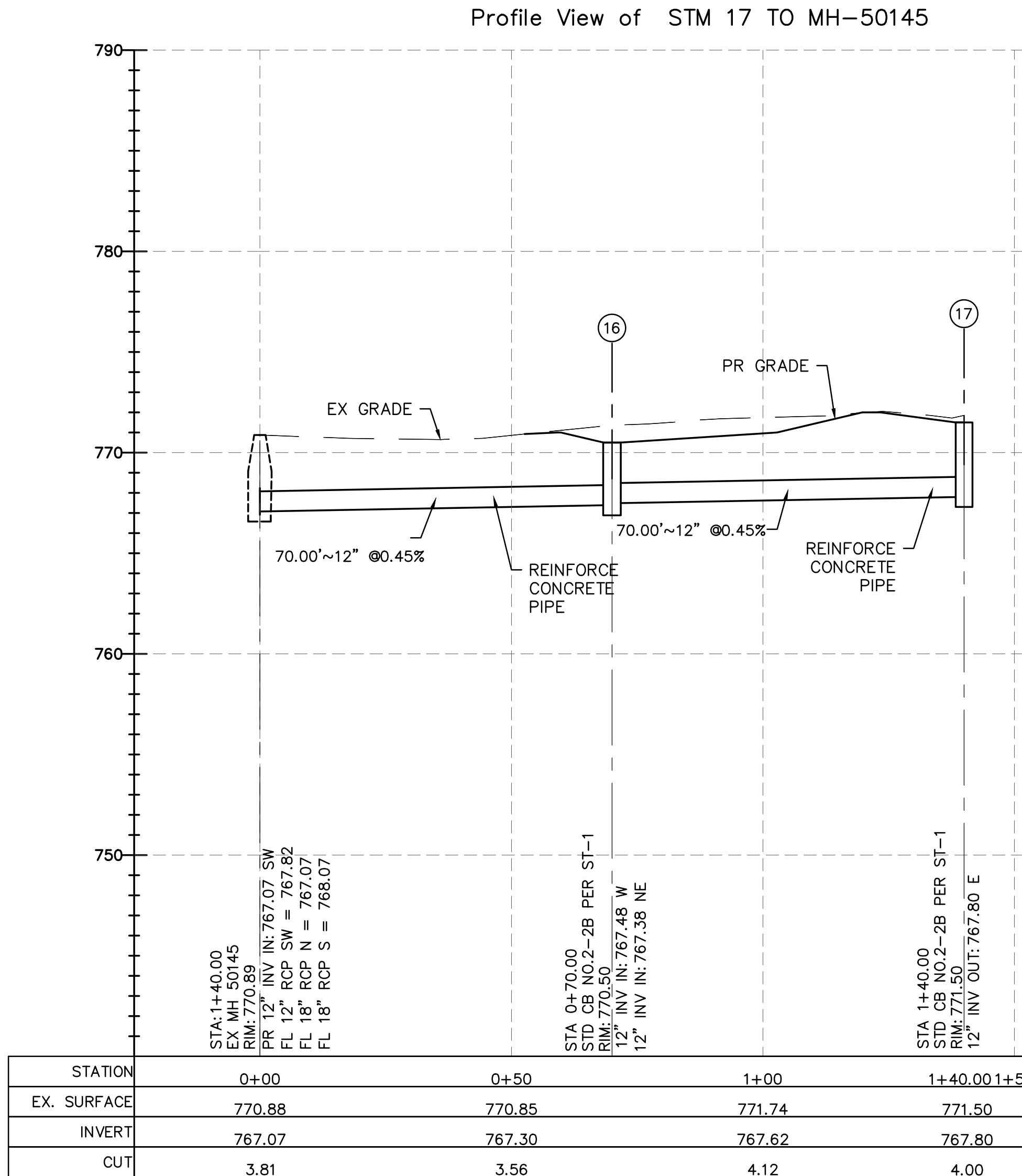
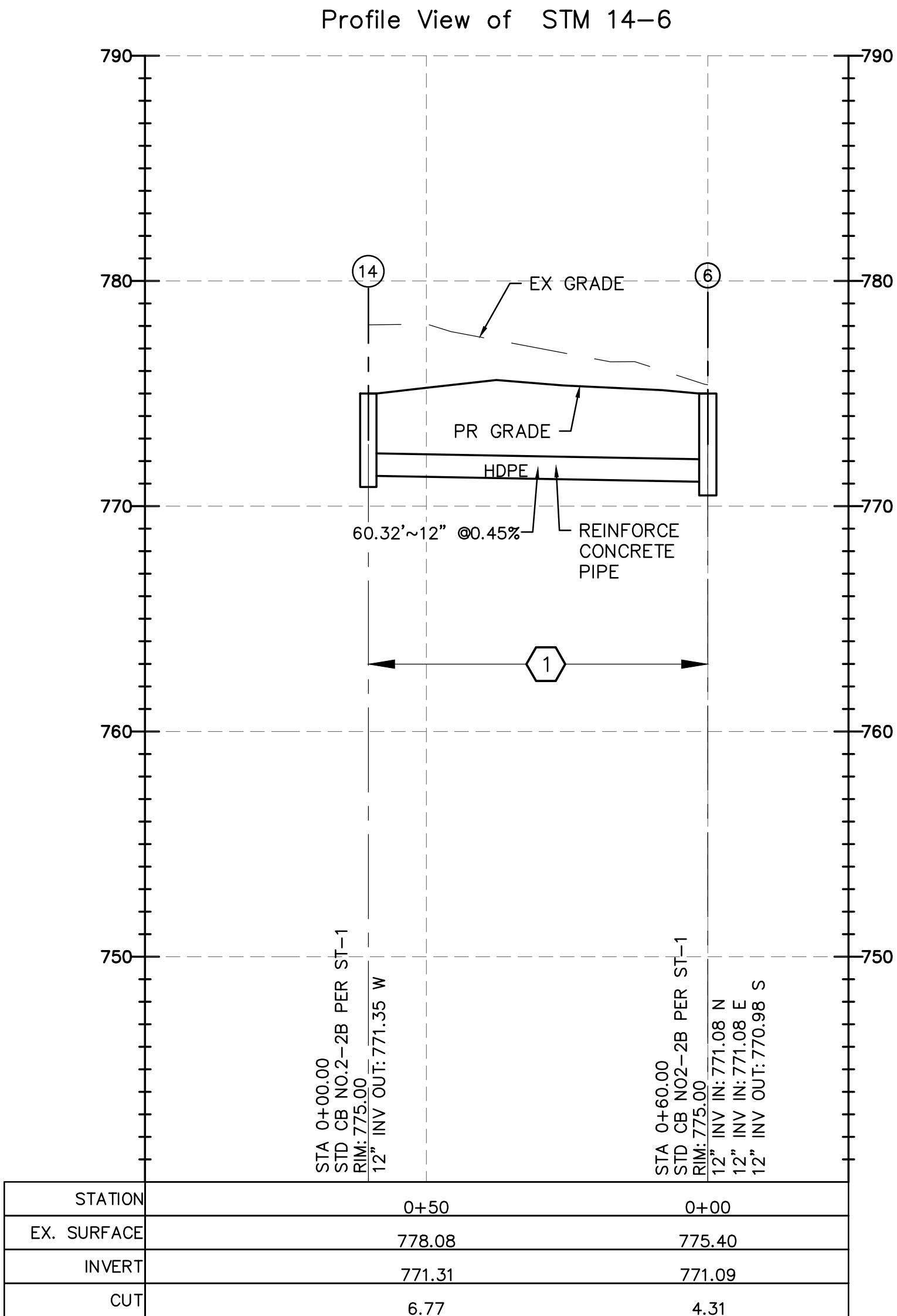
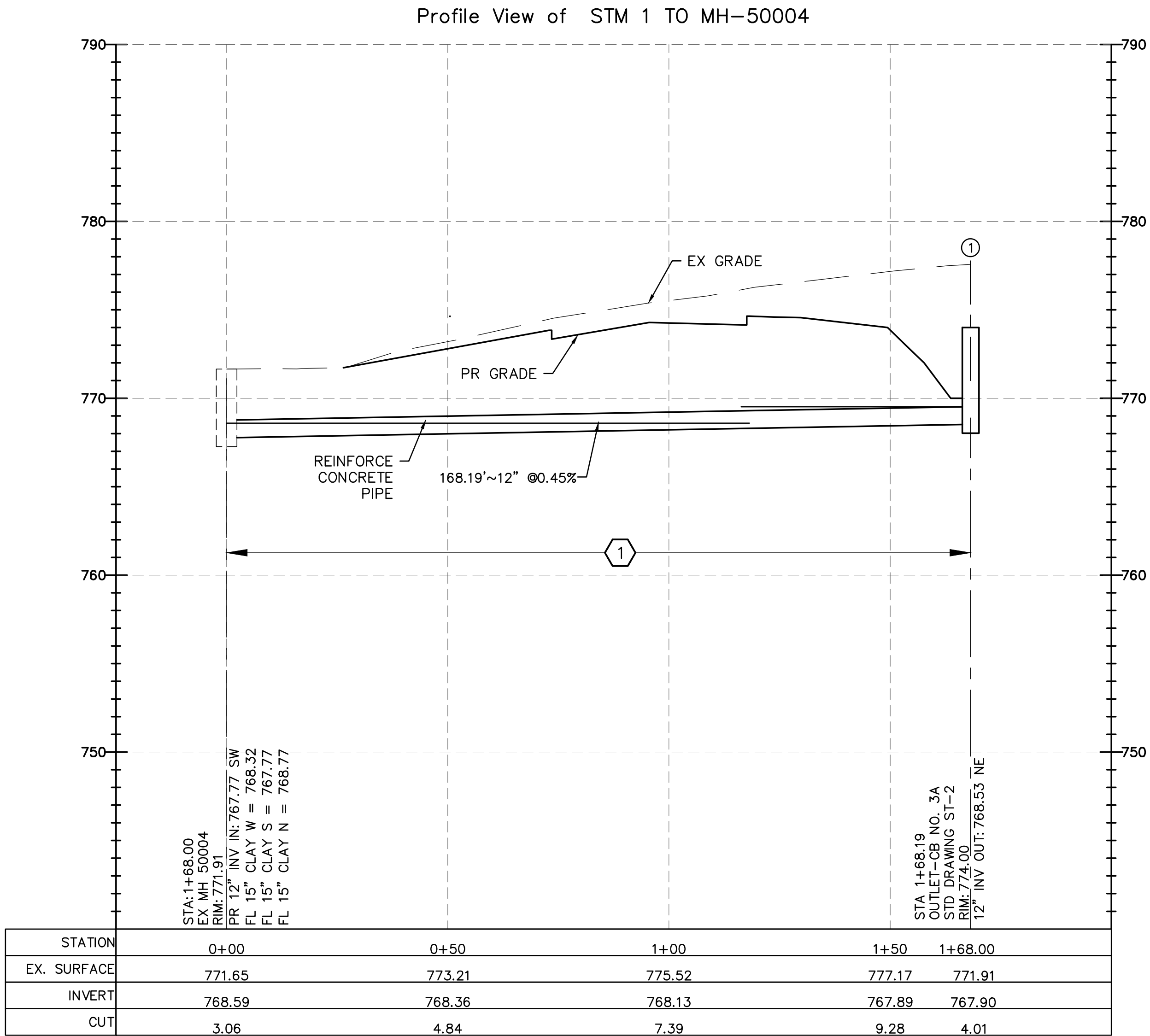


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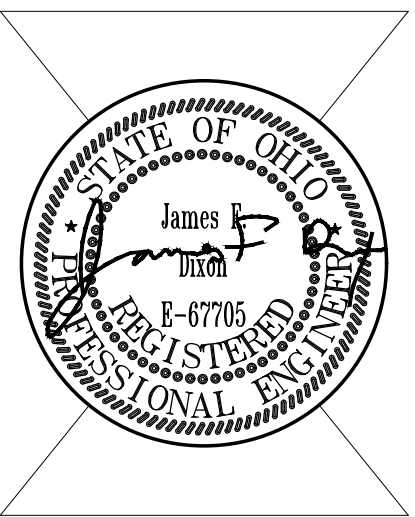
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TITLE
**STORM
PROFILES**

SHEET NO.
C7.1



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE: 1"=5'

CODED NOTES:
1 COMPACTED GRANULAR BACKFILL PER ITEM 813.
2 ROCK CHANNEL PROTECTION TYPE C WITHOUT FILTER, AS PER PLAN

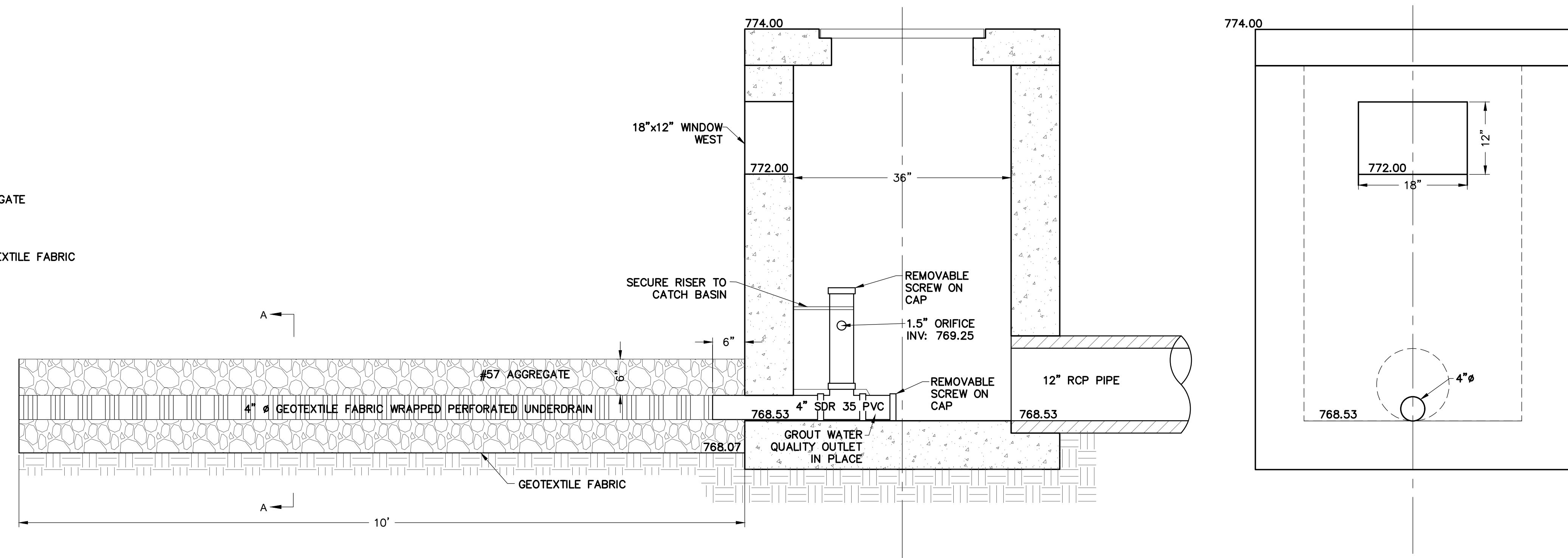
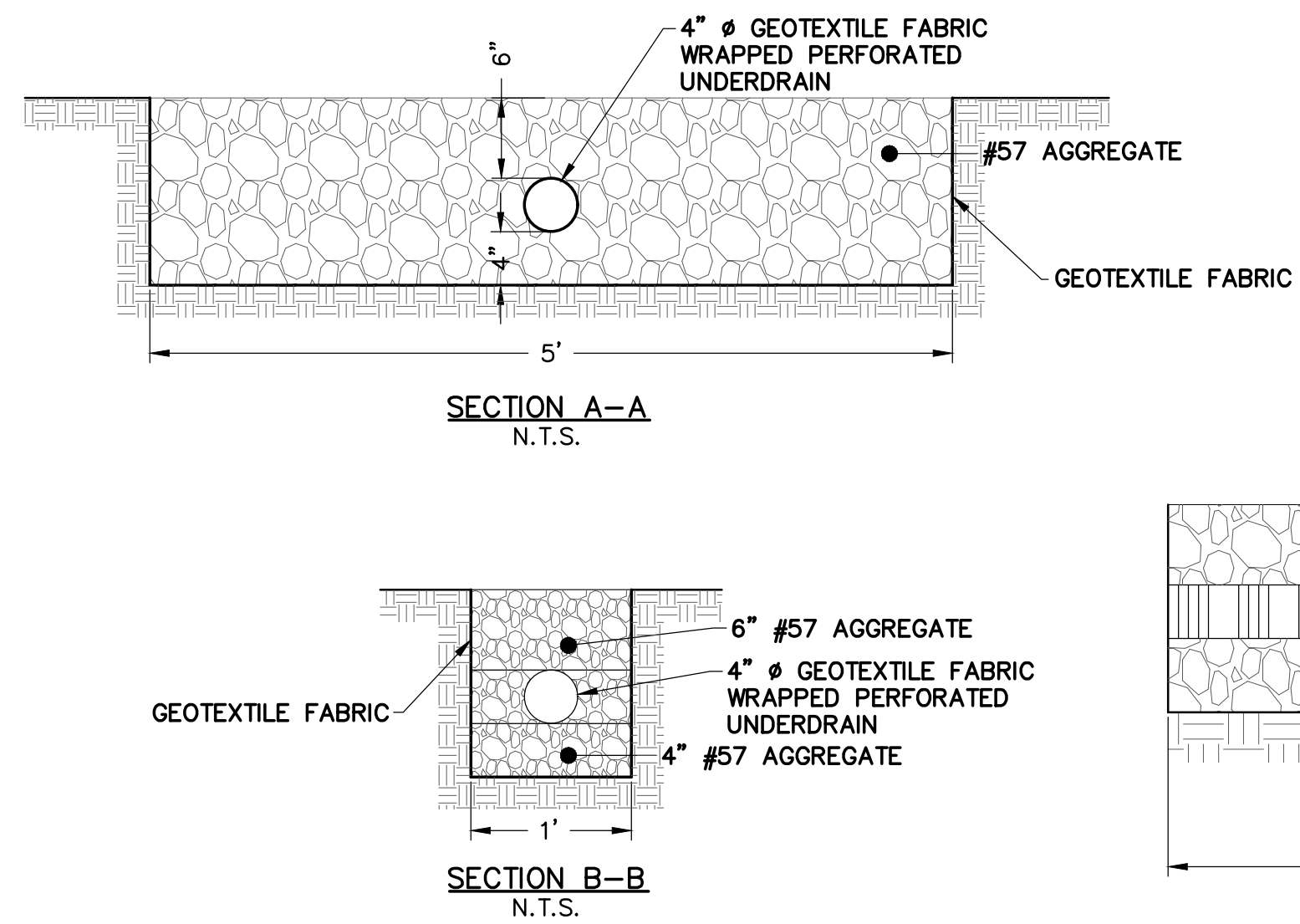
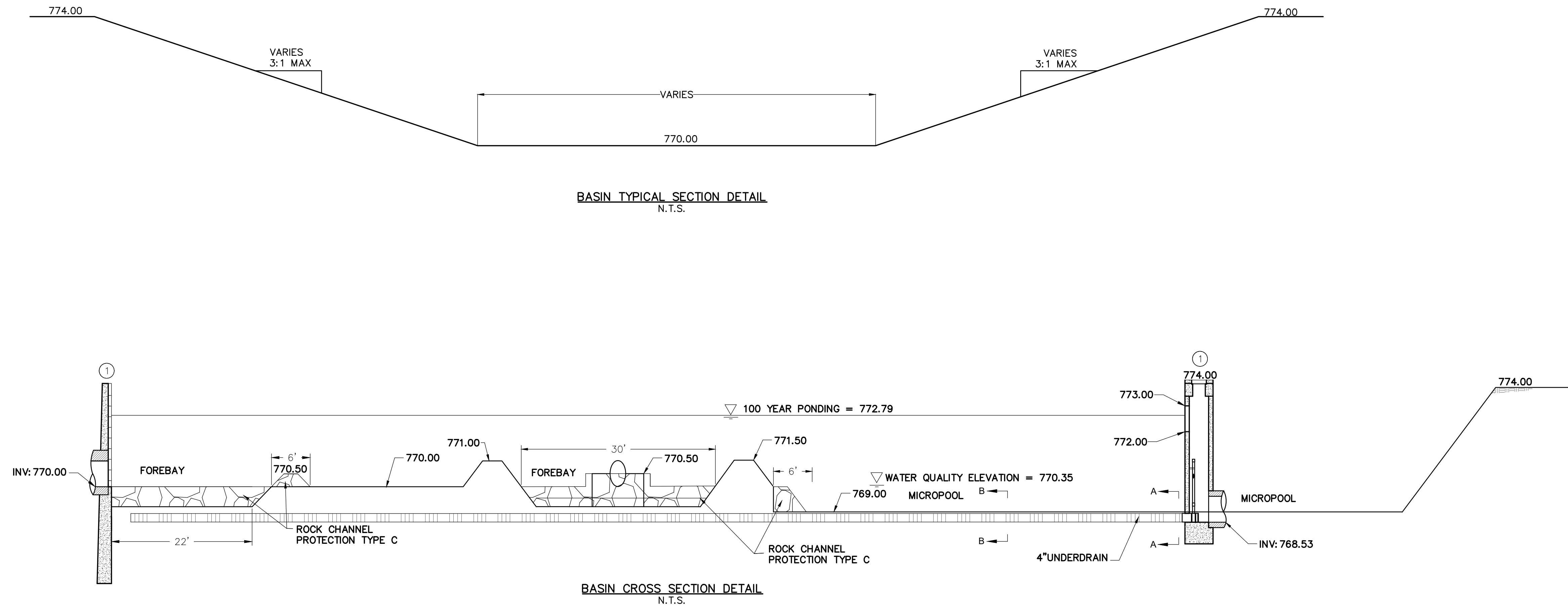


ISSUE		
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TITLE
**STORM
PROFILES**

SHEET NO.
C7.2



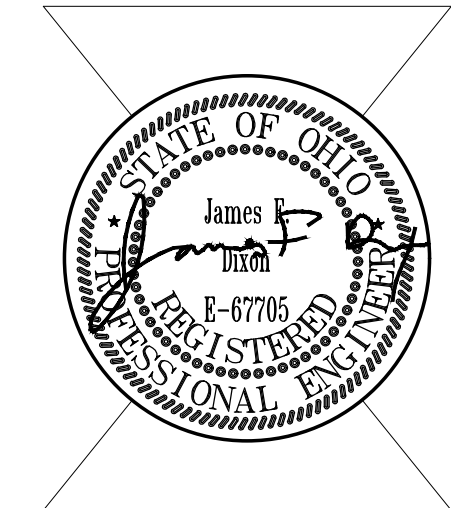
DETAIL OF PROPOSED STORM STRUCTURE (1)
N.T.S.

MODIFIED 3'x3' CATCH BASIN PER BMP-6
BASIN WATER QUALITY CONTROL DEVICE:
• 1.5" ORIFICE IN 4" SDR 35 PVC PIPE

BASIN WATER QUANTITY CONTROL DEVICE:
• 18"x12" WINDOW (WEST)

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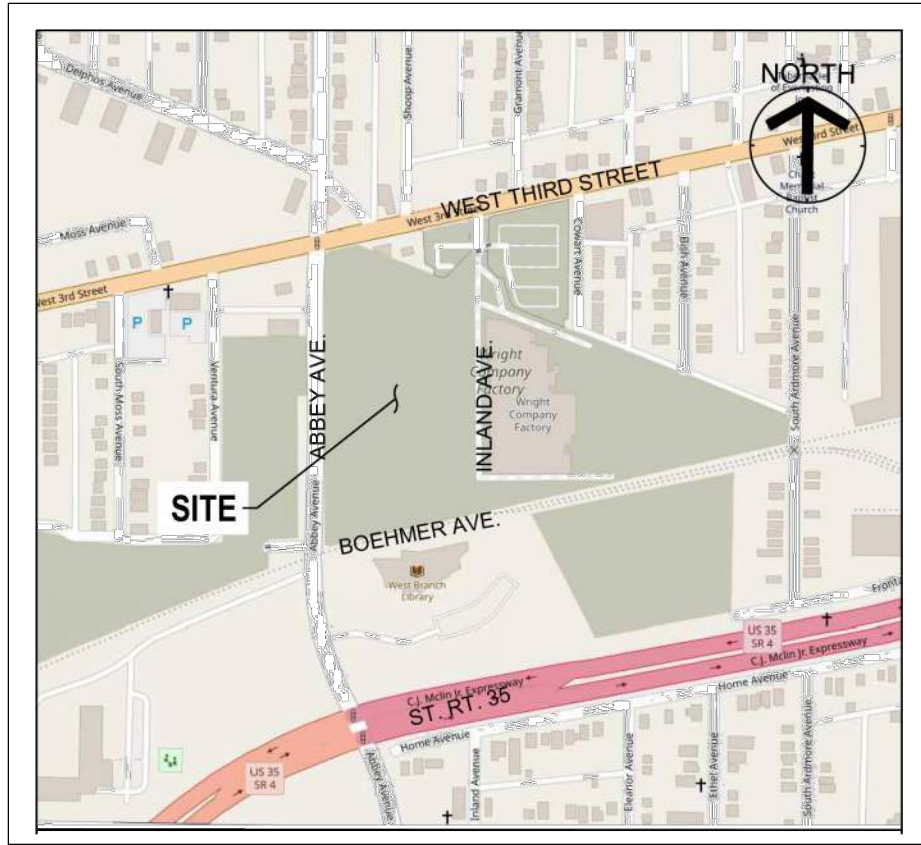
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TITLE	
STORM DETAILS	
SHEET NO.	
C7.3	

CITY OF DAYTON, OHIO

STORM WATER POLLUTION PREVENTION PLAN

FOR
NEW POLICE STATION
10 ABBY AVENUE
DAYTON, OHIO

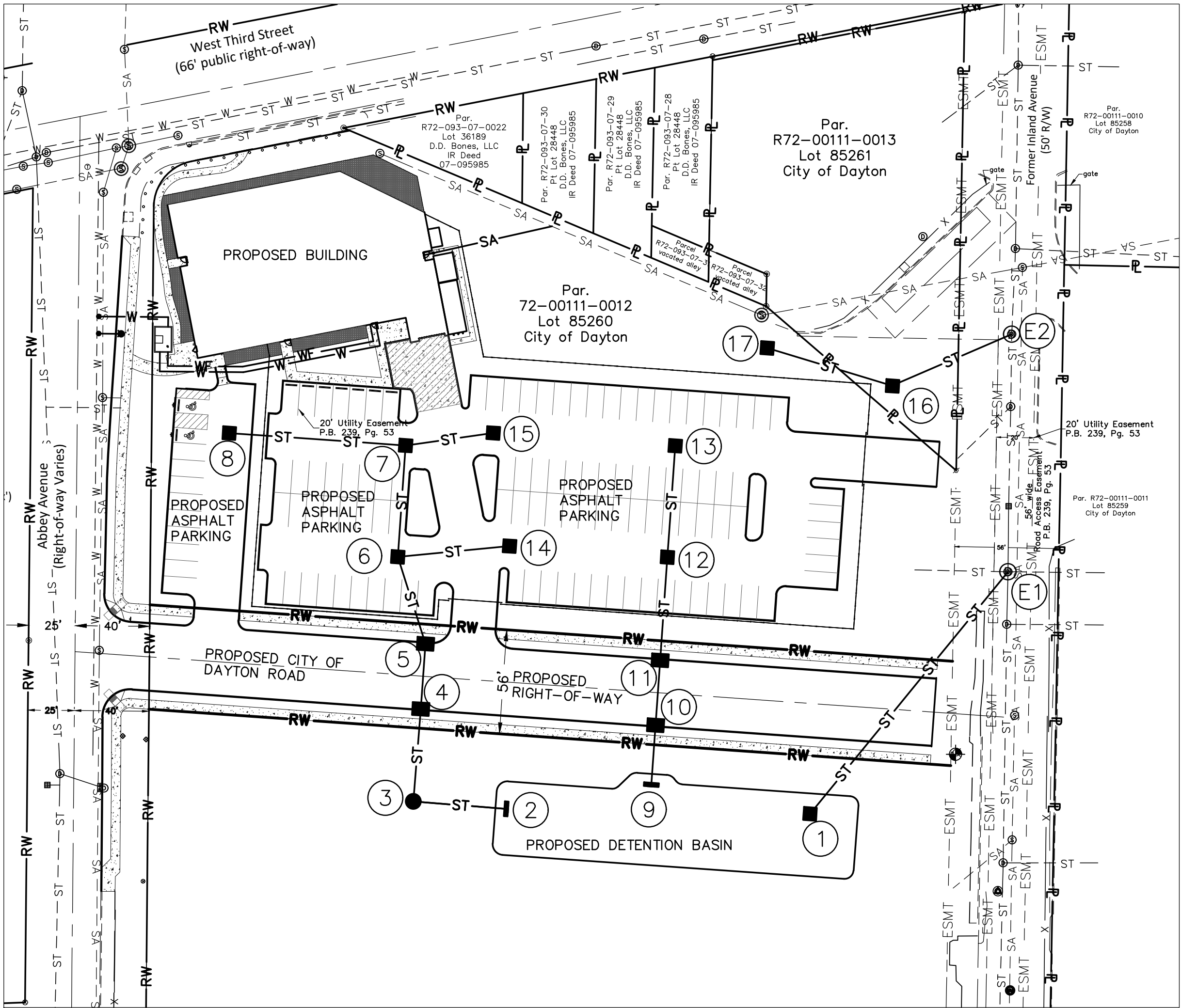


LOCATION MAP
NOT TO SCALE

SITE DATA	
PARCEL ID	R27-00111-0012
PARCEL AREA	15.78 ACRES
PROJECT AREA	4.07 ACRES
DISTURBED AREA WITHIN PROPERTY	3.31 ACRES
DISTURBED AREA WITHIN RIGHT-OF-WAY	0.76 ACRES
TOTAL DISTURBED AREA	3.91 ACRES
EXISTING IMPERVIOUS AREA	1.22 ACRES
EXISTING PERCENT IMPERVIOUS AREA	30%
PROPOSED IMPERVIOUS AREA	1.84 ACRES
PROPOSED PERCENT IMPERVIOUS AREA	45%

SURVEYOR NOTES:

- BEARINGS BASED ON U.S. STATE PLANE, NAD83 OHIO SOUTH (3402) ESTABLISHED FROM USING THE OHIO REAL TIME NETWORK (RTN) PROVIDED BY THE OHIO DEPARTMENT OF TRANSPORTATION. COORDINATES TAKEN TO GROUND AT LATITUDE N39°45'01.92872", LONGITUDE W84°14'19.62436", PROJECT HEIGHT 669.459', GROUND SCALE FACTOR 1.00007573185807.
- THE UTILITIES SHOWN ARE LOCATED FROM FIELD SURVEY INFORMATION AND/OR EXISTING DRAWINGS SUPPLIED BY CLIENT. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES LOCATED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES LOCATED ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. OUPS TICKETS REFERENCED FOR THIS PROJECT: B407300375-00B, B407300379-00B, B407300387-00B, AND B407300391-00B. FOR UTILITY LINES OR SERVICE LOCATIONS ON PRIVATE PROPERTY CESO RECOMMENDS CONTRACTING A PRIVATE UNDERGROUND UTILITY LOCATION SERVICE.



INDEX MAP
SCALE: 1"=50'

BENCHMARK	
Vertical Datum: NAVD88 derived from GPS Observations	
BM "A":	GROUND "X" ON "ARROW" (SOUTH WEST, 1 OF 4) BOLT ON FIRE HYDRANT LOCATED ABOUT 35'± WEST OF CENTERLINE OF INLAND AVE. AND ABOUT 395'± SOUTH OF W. 3RD STREET CENTERLINE. ELEVATION = 775.42'
BM "B":	BENCH TIE SET IN EAST SIDE (1' ABOVE GRADE) OF POWER POLE LOCATED ON NORTHWEST CORNER OF BROOKLYN AVE. AND WEST 3RD STREET, ABOUT 60'± WEST OF BROOKLYN AVE. CENTERLINE AND ABOUT 3.5' NORTH OF THE CURB LINE OF WEST 3RD STREET. ELEVATION = 777.45'
BM "C":	BENCH TIE SET IN SOUTHEAST SIDE (1' ABOVE CONCRETE) OF POWER POLE #135-29R LOCATED 2' EAST OF CURB LINE OF SHOOP AVE. AND ABOUT 75'± NORTH OF WEST 3RD STREET CENTERLINE. ELEVATION = 773.16'

FEMA FLOODPLAIN DATA

ACCORDING TO THE FEMA FLOOD MAP SERVICE CENTER, THE SUBJECT PARCEL IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD) AS INDICATED BY FEMA MAP NUMBER 39113C0163E WITH AN EFFECTIVE DATE OF JANUARY 6, 2005.

SURVEYOR

CESO
3601 RIGBY ROAD, SUITE 300
MIAMISBURG, OH 45342
CONTACT: RICK CROSS
PHONE: (937) 848-0585

ENGINEER

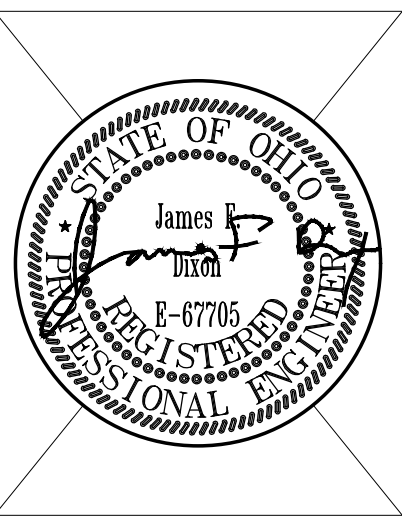
KABIL ASSOCIATES
5900 SHARON WOODS BLVD
COLUMBUS, OH 43229
CONTACT: JEFF EDWARDS
PHONE: (614) 899-6707
EMAIL: jedwards@kabil.com

OWNER

CITY OF DAYTON, OHIO
CONTACT: DAVID ESCOBAR
PHONE: 937-333-3849
EMAIL: WWW.DAYTONOHIO.GOV



SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C8.0	SWPPP TITLE SHEET
C8.1	SWPPP GENERAL EROSION CONTROL NOTES AND DETAILS
C8.2	SWPPP SITE EROSION CONTROL PLAN



CITY OF DAYTON
NEW POLICE STATION

10 Abbey Ave, Dayton, Ohio 45417

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TITLE
SWPPP TITLE SHEET

SHEET NO.
C8.0

STORMWATER POLLUTION PREVENTION PLAN SITE NARRATIVE

OEPA NPDES GENERAL PERMIT (OHC000006) NO: 1GC10009		
PLAN DESIGNER:	JAMES DIXON, PE KABIL ASSOCIATES 5900 SHARON WOODS BLVD., COLUMBUS, OHIO 43229 PHONE / EMAIL: 614-361-8329 / JDIXON@KABIL.COM	
DEVELOPER / OWNER	CITY OF DAYTON OHIO	
PROJECT DESCRIPTION:	PROPOSED BUILDING AND ASPHALT PARKING	
SITE DRAINS TO:	EXISTING CITY OF DAYTON STORM SEWER	
EXISTING SITE CONDITION:	ABANDONED COMMERCIAL PROPERTY	
ADJACENT AREAS:	COMMERCIAL	
CRITICAL AREAS:	NONE	
SOILS:	PER SOILS WEB SURVEY: CROSBY-URBAN LAND COMPLEX, 0 TO 2% SLOPE 95.3% MIAMIAN-URBAN LAND COMPLEX, UNDULATING 4.7%	
EROSION AND SEDIMENT MEASURES:	PERMANENT EROSION AND SEDIMENTATION WILL BE CONTROLLED BY DRY DETENTION FACILITY WITH CONTROLLED RELEASE FOR WATER QUANTITY AND QUALITY. TEMPORARY MEASURES DURING CONSTRUCTION INCLUDE: THE USE OF INLET PROTECTION AT STORM SEWER INLETS, SEDIMENT FENCE AT PERIMETER, CONSTRUCTION ENTRANCES, CONCRETE WASHOUT AND THE USE OF CONSTRUCTION TECHNIQUES TO MINIMIZE EROSION AND SEDIMENT RUNOFF.	
PERMANENT STABILIZATION:	ALL DISTURBED AREAS WILL BE SEEDED AND MULCHED OR PAVED.	
MAINTENANCE:	ALL EROSION CONTROL DEVICES ARE TO BE INSPECTED BY THE CONTRACTOR DAILY AND AFTER RAINFALLS. ANY DAMAGED FACILITIES ARE TO BE REPLACED/ REPAIRED IMMEDIATELY AS MAY BE NECESSARY.	
CONSTRUCTION SEQUENCE:	CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE CITY. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THIS SCHEDULE. SEE BELOW FOR MORE DETAILS.	

THE PROPERTY OWNER, ITS ADMINISTRATORS, EXECUTORS, SUCCESSORS, HEIRS OR ASSIGNS SHALL MAINTAIN THE STORM WATER CONTROL FACILITY OF FACILITIES IN GOOD WORKING CONDITION ACCEPTABLE TO THE CITY AND IN ACCORDANCE WITH THE SCHEDULE OF LONGTERM MAINTENANCE ACTIVITIES IN THE STORM WATER CONTROL FACILITY MAINTENANCE PLAN (SCMPM).

NOTES

- WATER QUANTITY CONTROL REQUIREMENTS FOR THIS PLAN ARE PROVIDED BY THE PROPOSED DETENTION AREA AND OUTLET STRUCTURE.
- THERE ARE NO STREAMS LOCATED IN THE IMMEDIATE VICINITY OF THIS SITE AND NO PORTION OF THIS SITE DRAINS TO A STREAM.

SEQUENCE OF EROSION & SEDIMENT CONSTRUCTION

- INSTALL PERIMETER FABRIC FENCE
- INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES AS INDICATED IN THE PLAN. PRACTICES ARE TO BE MAINTAINED IN EFFECTIVE WORKING CONDITION DURING CONSTRUCTION UNTIL THE DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.
 - INSTALL TEMPORARY EROSION CONTROL'S PER PLAN, INCLUDE: DANDY BAGS, CONCRETE WASHOUT, CONSTRUCTION ENTRANCE.
- REMOVE ONLY THOSE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED FOR CONSTRUCTION; PROTECT THE REST TO PRESERVE THEIR ASTHETIC AND EROSION-CONTROL VALUES.
- TEMPORARY STABILIZE EACH SEGMENT, GRADED OR OTHERWISE DISTURBED LAND, INCLUDING THE SEDIMENT-CONTROL DEVICES NOT OTHERWISE STABILIZED, BY SEEDING AND MULCHING OR BY MULCHING ALONE, AS CONSTRUCTION IS COMPLETED. PERMANENTLY STABILIZE EACH SEGMENT WITH PERENNIAL VEGETATION AND STRUCTURAL MEASURES.
- INSTALL THE STORM SEWER NETWORK AS DIRECTED PER PLAN. (WAIT TO MAKE FINAL CONNECTION ONCE THE ENTIRE PERMANENT STORM NETWORK IS INSTALLED).
- CONSTRUCT PROPOSED BUILDING, PAVEMENT, WALKS, AND UTILITY SERVICES.
- LEVEL DIVERSION DIKES, SEDIMENT BASIN AND SILT TRAPS AFTER AREAS THAT DRAIN INTO THEM ARE STABILIZED. ESTABLISH PERMANENT VEGETATION ON THESE AREAS.

EROSION CONTROL GENERAL NOTES

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENTATION AND EROSION CONTROL ON THIS PROJECT. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A CONTROL SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO OWNER.

THE SITE SHALL BE INSPECTED PERIODICALLY AND WITHIN 24 HOURS OF A SIGNIFICANT RAINFALL. RECORDS OF THESE INSPECTIONS SHALL BE KEPT AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED.

NOT ALL EROSION CONTROL MEASURES SHOWN WILL BE IN USE AT THE SAME TIME. PHASING SHALL BE DETERMINED BY THE CONTRACTOR AND EROSION CONTROL DEVICES SHALL BE MODIFIED ACCORDINGLY.

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND APPROVED EPA STORMWATER PERMIT (WITH THE SITE SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

THE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF DAYTON AND/OR THE OEPA.

ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER.

THE CONTRACTOR SHALL PLACE INLET AND CHANNEL PROTECTION FOR EROSION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF THE INLETS OR CHANNELS WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREA. HOWEVER THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER.

THE LIMITS OF SEEDING AND MULCHING ARE SHOWN WITHIN THE PLANS. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

THE COST FOR TEMPORARY CHANNELS, SEDIMENT DAMS, SEDIMENT BASINS, AND OTHER APPURTENANT EARTHMOVING OPERATIONS SHALL BE INCLUDED IN THE PRICE BID FOR EROSION AND SEDIMENTATION CONTROL QUANTITIES.

NOT ALL DETAILS ON THIS SHEET MAY BE REQUIRED FOR THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS MINIMIZED. ALL SUCH OFF-SITE SEDIMENT SHALL BE CLEANED DAILY. CONSTRUCTION OF A STABILIZED CONSTRUCTION ENTRANCES ARE PART OF THAT RESPONSIBILITY.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO STORMWATER RUNOFF. SEDIMENT-LADEN WATER SHALL BE FILTERED THROUGH THE USE OF SEDIMENT FILTERING FENCES OR SEDIMENTATION BASINS PRIOR TO THE DISCHARGE TO SURFACE WATERS. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR INTO NATURAL OR MAN-MADE CHANNELS OR SWALES LEADING THERETO. CONCRETE TRUCK WASH WATER AND SURPLUS CONCRETE SHALL BE CONFINED TO AREAS APPROVED BY THE ENGINEER; AFTER SOLIDIFYNG, THESE WASTE MATERIALS SHALL BE REMOVED FROM THE SITE.

THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING ALL PERMIT AND DOCUMENTS WHICH MAY BE NECESSARY FOR THE PERFORMANCE OF THIS WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN COMPLIANCE WITH ALL OHIO EPA STANDARD AND REGULATIONS FOR THE DURATION OF CONSTRUCTION. THE OWNER IS RESPONSIBLE TO MAINTAINING COMPLIANCE WITH ANY SUCH PROVISIONS POST CONSTRUCTION.

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

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.

DETAILS HAVE BEEN PROVIDED ON THE PLANS IN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENTATION CONTROL. THE DETAILS SHOWN ON THE PLAN SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE O.D.N.R. MANUAL "RAINWATER AND LAND DEVELOPMENT". THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.

DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN SEVEN 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 NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

"TEMPORARY SEEDING" NO AREA WHICH GRADING HAS BEEN COMPLETED OR WHERE A DENUDED AREA WILL REMAIN IDLE FOR MORE THAN 21 DAYS SHALL BE LEFT UNSEEDED FOR LONGER THAN 7 DAYS. IF PERMANENT SEED IS NOT APPLIED AT THIS TIME, TEMPORARY SEEDING SHALL BE DONE AT THE FOLLOWING RATES:

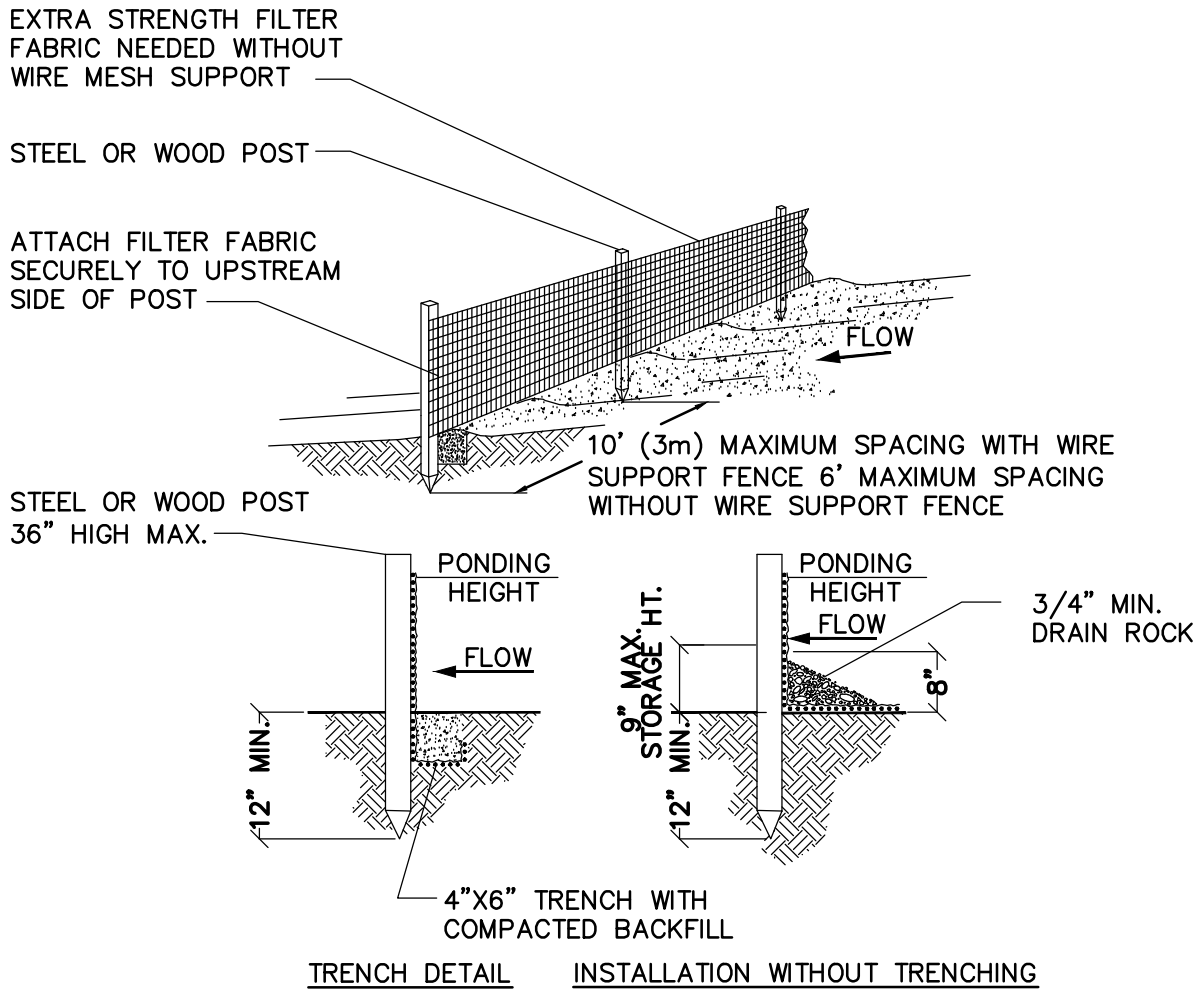
MARCH 1 TO AUGUST 15			
SEED:	OATS	2 LBS./1,000 SF	
FERTILIZER:	(12:12:12)	25 LBS./1,000 SF	
MULCH:	(STRAW OR HAY)	2 TONS/ACRE	

AUGUST 1 TO NOVEMBER 1			
SEED:	ANNUAL RYE	2 LBS./1,000 SF	
FERTILIZER:	(12:12:12)	25 LBS./1,000 SF	
MULCH:	(STRAW OR HAY)	2 TONS/ACRE	

NOVEMBER 1 TO MARCH 1			
MULCH (ONLY):	(STRAW OR HAY)	2 TONS/ACRE	

"PERMANENT SEEDING" SHALL BE DONE BETWEEN MARCH 15 AND SEPTEMBER 15. IF SEEDING IS DONE BETWEEN SEPTEMBER 15 AND MARCH 15, IT WILL BE CLASSIFIED AS "TEMPORARY SEEDING". PERMANENT SEEDING SHALL BE 40% KENTUCKY BLUE GRASS, 40% CREEPING RED FESCUE, 20% ANNUAL RYEGRASS. PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING RATES INDICATED UNDER ITEM 659. SEEDING SHALL BE APPLIED WITHIN TWO (2) DAYS AFTER FINAL GRADING OR FOLLOWING SEED BED PREPARATION.

RATES OF APPLICATION OF ITEM 659:			
SEED:		4 LBS./1,000 SF	
FERTILIZER:	(12:12:12)	20LBS./1,000 SF	
STRAW (HAY)		2 TONS/ACRE (3 TONS/ACRE)	

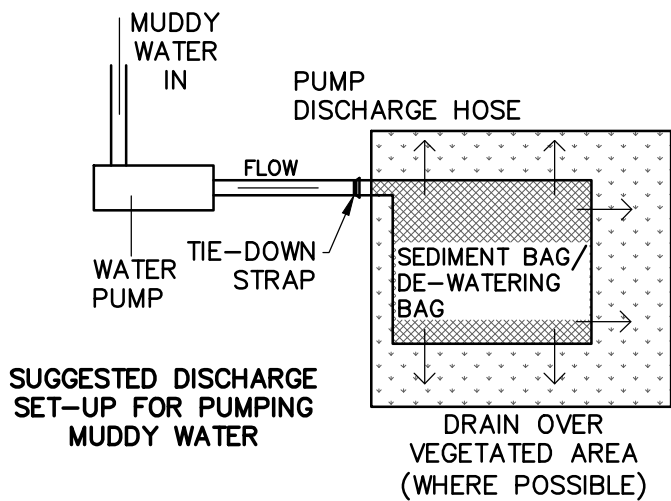


NOTES:

- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12" IN DIAMETER, PER OEPA STANDARD.
- THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY SUBSTITUTED FOR SILT FENCE. STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).
- THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING UNDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.

TYPICAL SILT FENCE DETAIL

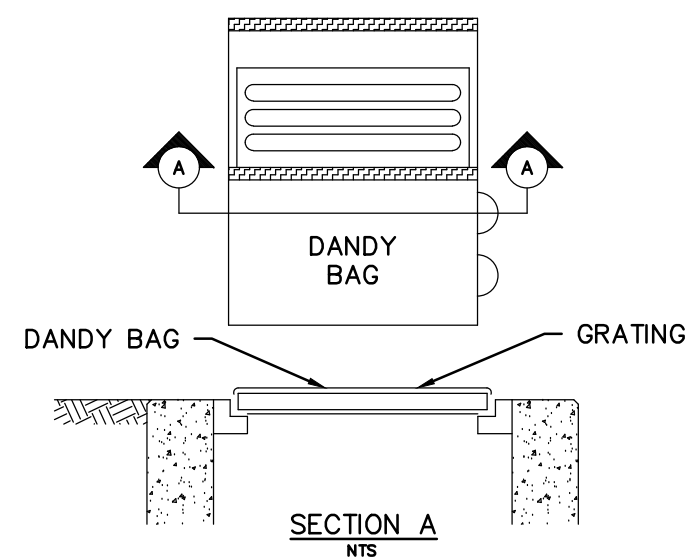
N.T.S.



SUGGESTED DISCHARGE SET-UP FOR PUMPING MUDDY WATER

TYPICAL DEWATERING BAG DETAIL

N.T.S.



INSTALLATION

STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

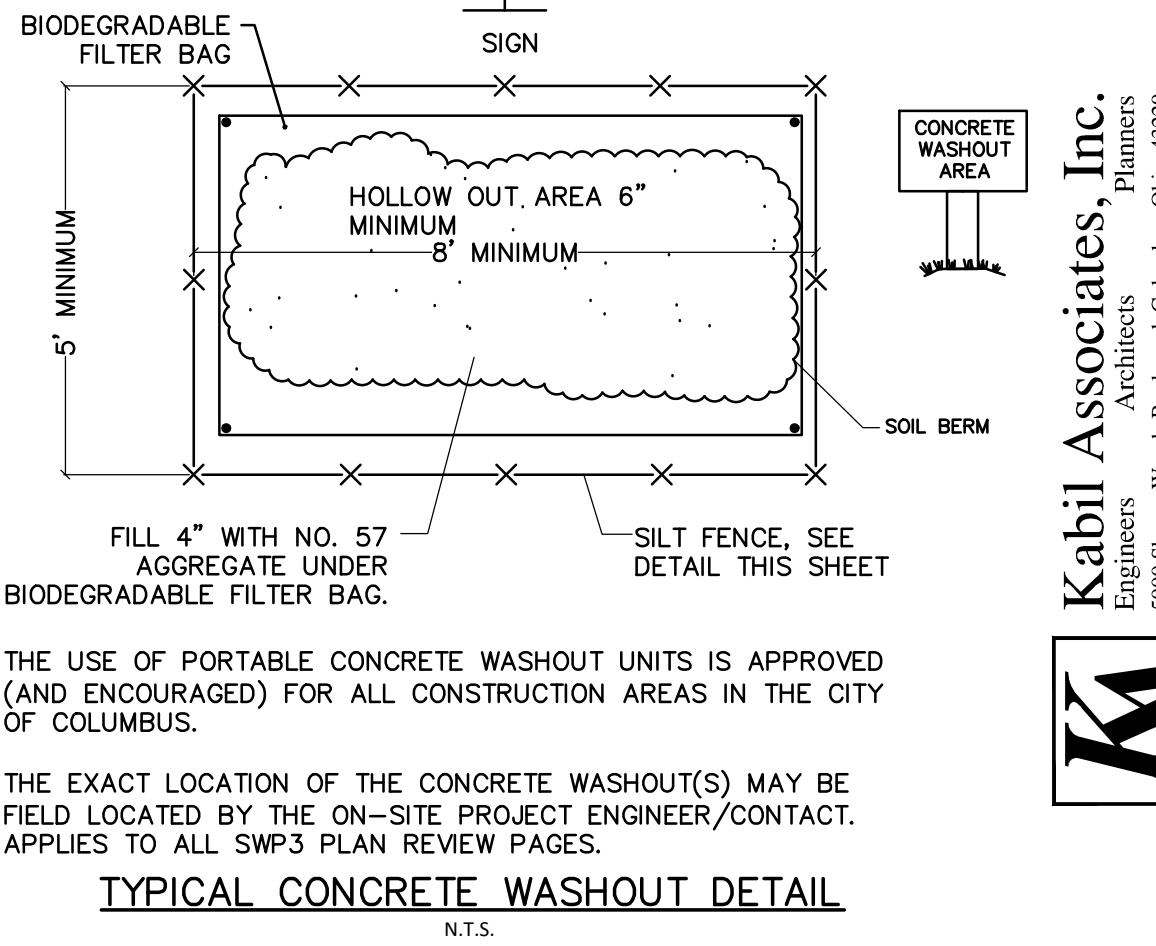
MAINTENANCE: CONTRACTOR TO INSPECT AND CLEAR DEBRIS FROM CLOGGED DANDY BAGS. AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

INSTALL DANDY BAG EROSION CONTROL FILTER BY DANDY PRODUCTS. GROVE CITY, OHIO, OR EQUAL.

DANDY BAGS MUST BE PLACED ON: ALL PROPOSED AND EXISTING CATCH BASINS LOCATED ON THE PROPERTY AND ALL CATCH BASINS IMMEDIATELY DOWN STREAM OF THE SITE, INCLUDING BUT NOT LIMITED TO: EXISTING STRUCTURE 50222, & 50079 AND PROPOSED STRUCTURES 1-17. REFERENCE THE SITE PREPARATION PLAN AND MASTER DRAINAGE PLAN FOR MORE INFORMATION.

TYPICAL DANDY BAG DETAIL

N.T.S.



THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.

THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT. APPLIES TO ALL SWP3 PLAN REVIEW PAGES.

TYPICAL CONCRETE WASHOUT DETAIL

N.T.S.

NOTES:

- THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF REYNOLDSBURG REGULATIONS.
- ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.
- DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURE'S RECOMMENDATION REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAILS BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION.
- PROPOSED DETENTION BASINS ARE TO BE USED AS A TEMPORARY SEDIMENTATION BASINS WITH A FAIRCLOTH SKIMMER UNTIL THE SITE IS STABILIZED. SEE DETAILS THIS SHEET. AFTER THE SITE HAS BEEN STABILIZED, THE BASINS SHALL BE EXCAVATED TO PLAN DESIGN AND GEOTEXTILE FABRIC, AGGREGATE, UNDERDRAIN, AND OUTLET ORIFICE ARE TO BE CONSTRUCTED. SEE SHEET 13 FOR DETAILS.

PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA
TEMPORARY STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA.
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

CITY OF DAYTON

NEW POLICE STATION

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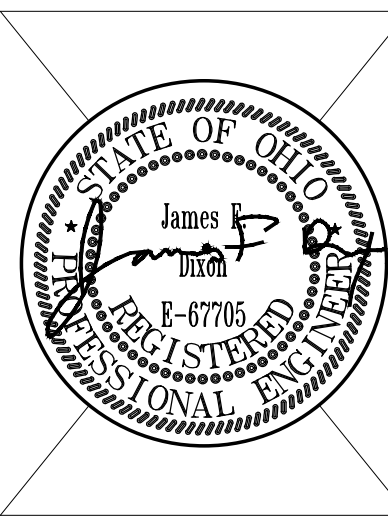
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NO.	DATE	DESCRIPTION

DATE	8/14/2024
JOB NO.	4205.00
DRAWN	KT
CHECKED	JFD

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TITLE
SWPPP GENERAL
EROSION CONTROL
NOTES AND DETAILS
SHEET NO.

C8.1

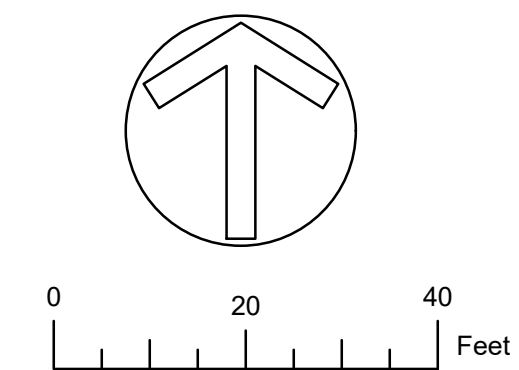
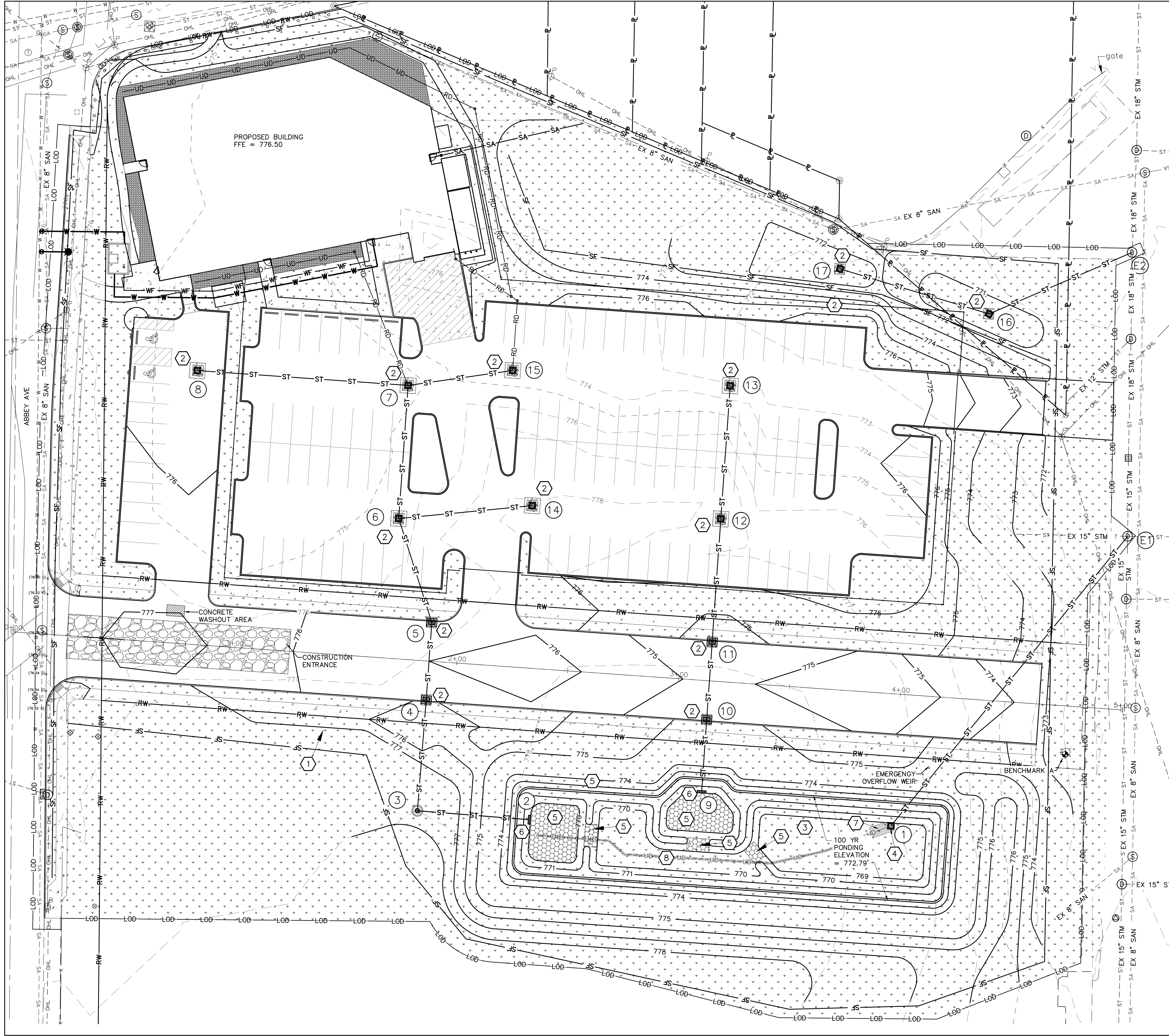


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615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
www.app-arch.com

Kabil Associates, Inc.
Engineers Architects Planners
5900 Sharon Woods Boulevard Columbus, Ohio 43229
Phone: (614) 899-6707 Fax: (614) 899-7563

K



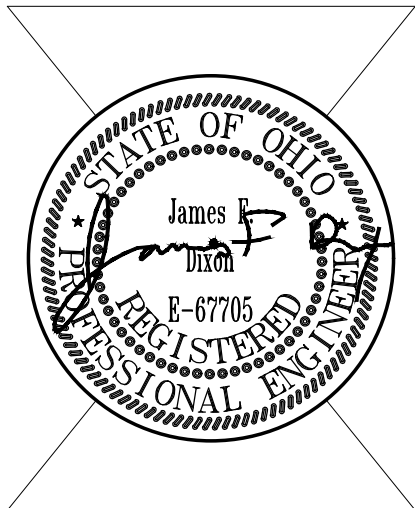
- LEGEND**
- ST --- ST --- EXISTING STORM SEWER
 - SA --- SA --- EXISTING SANITARY SEWER
 - W --- W --- EXISTING WATER
 - ESMT --- EASEMENT
 - x- EXISTING STEEL FENCE AND GATE
 - COM --- COM --- EXISTING COMMUNICATION FIBER OPTIC LINE
 - OHL --- OHL --- OVERHEAD LINE
 - RW --- RIGHT-OF-WAY LINE
 - P --- P --- PROPERTY LINE
 - ST --- ST --- PROPOSED STORM SEWER
 - --- --- PROPOSED CONTOUR
 - --- --- PROPOSED FENCE
 - LOD --- LOD --- LIMITS OF DISTURBANCE

- [Pattern] TOP SOIL FURNISHED AND PLACED PER ITEM 653 AND SEEDING AND MULCHING PER ITEM 659
- [Pattern] CONSTRUCTION ENTRANCE
- [Pattern] CONSTRUCTION WASHOUT AREA

- CODED NOTES**
- ① SILT FENCE
 - ② INLET PROTECTION
 - ③ EXTENDED DRY DETENTION BASIN. SEE DETAIL SHEET C7.3
 - ④ WATER QUANTITY AND QUALITY OUTLET CONTROL STRUCTURE. SEE DETAIL SHEET C7.3
 - ⑤ ROCK CHANNEL PROTECTION TYPE C W/O FILTER
 - ⑥ ENDWALL PER STD DWG ST-8
 - ⑦ UNDERDRAIN AS PER SECTION A-A STORM DETAILS. SEE SHEET C7.3.
 - ⑧ UNDERDRAIN AS PER SECTION B-B STORM DETAILS. SEE SHEET C7.3.
 - ① STRUCTURE NUMBER

Kabil Associates, Inc.
Engineers
Architects
Planners
5900 Sharon Woods Boulevard
Columbus, Ohio 43229
Phone: (614) 899-5707 Fax: (614) 899-7563

APP Architecture
creative focused design
615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
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TITLE
**SWPPP SITE
EROSION
CONTROL PLAN**
SHEET NO.
C8.2



FORTY- EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: OHIO UTILITIES PROTECTION SERVICE AT 811 OR 1-800-362-2764 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF STATE UTILITIES PROTECTION SERVICE.

A

B

C

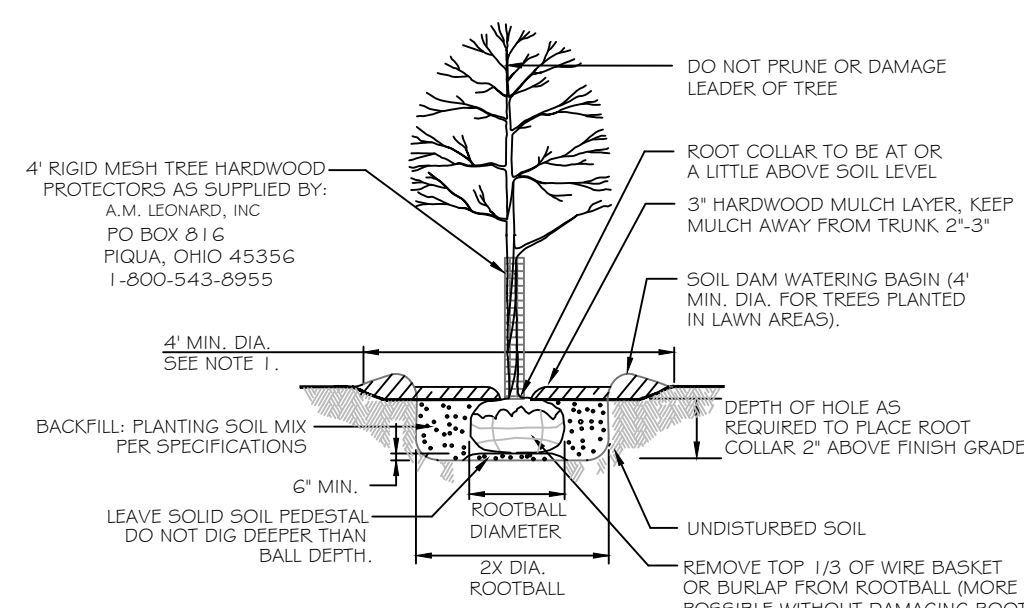
D

E

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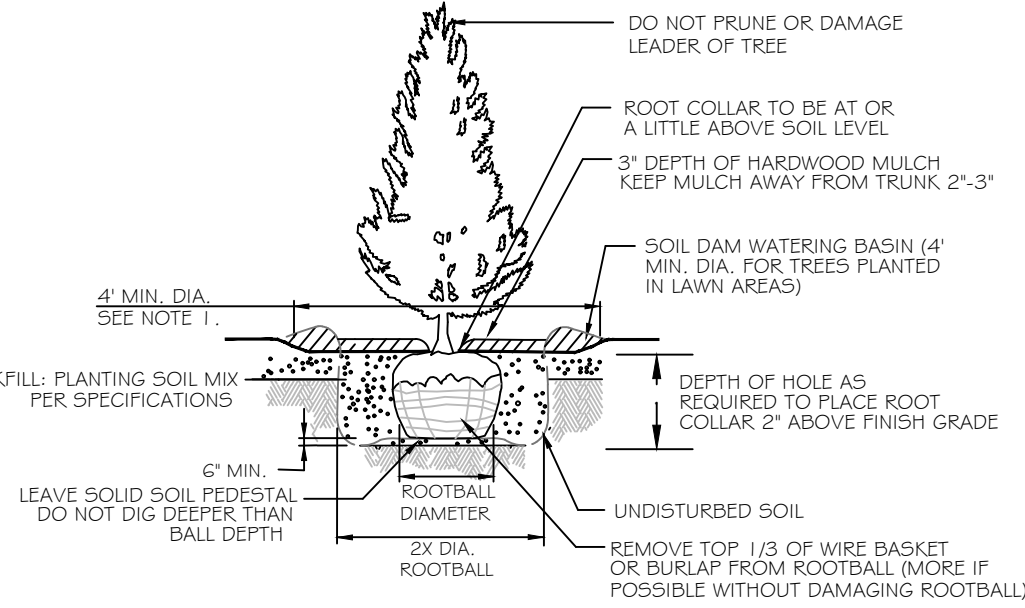
1 SITE LANDSCAPE PLAN 1" = 30'-0"

PLANT INSTALLATION DETAILS



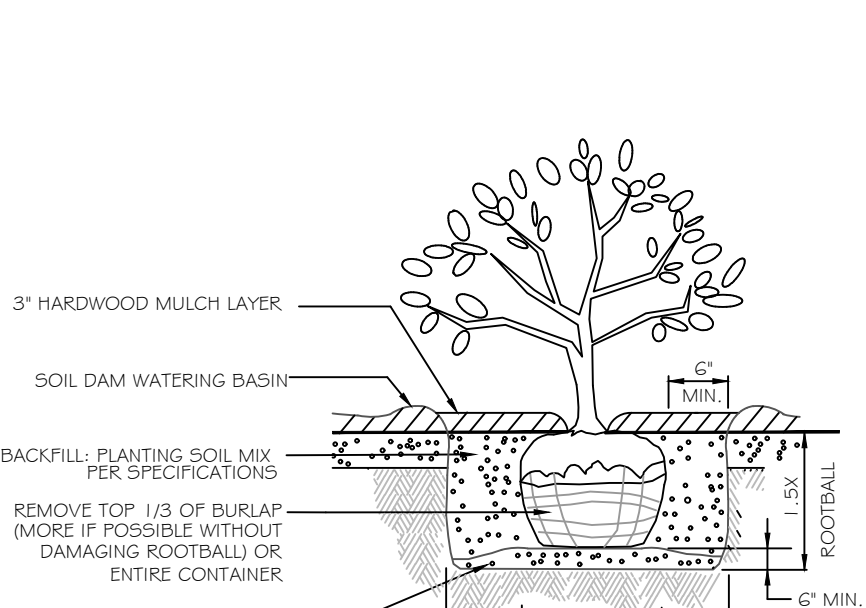
NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 3-4" MINIMUM DIAMETER MULCHED CIRCLE.
2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).

TREE PLANTING DETAIL
NTS



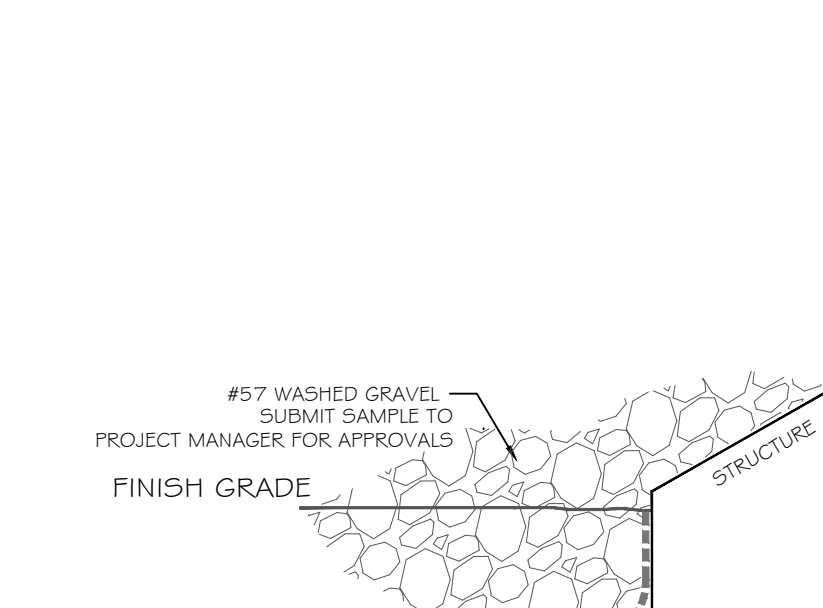
NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 3-4" MINIMUM DIAMETER MULCHED CIRCLE.
2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).

EVERGREEN TREE PLANTING DETAIL
NTS



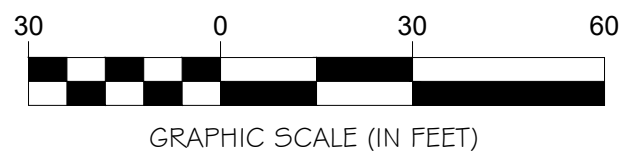
NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 3-4" MINIMUM DIAMETER MULCHED CIRCLE.
2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).

SHRUB PLANTING DETAIL
NTS



NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 3-4" MINIMUM DIAMETER MULCHED CIRCLE.
2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).

GRAVEL INSTALLATION
NTS



LANDSCAPE CODE REQUIREMENTS:

STREET FRONTAGE:
ONE TREE SHALL BE PROVIDED FOR EVERY THIRTY (30) LINEAR FEET OF FRONTAGE, OR FRACTION THEREOF, ALONG EACH ROAD. DEVIATIONS FROM THE REGULAR PLACEMENT OF TREES (BUT NOT THE TOTAL NUMBER OF TREES REQUIRED) MAY BE APPROVED BY THE ZONING ADMINISTRATOR. BASED UPON SITE CONSTRAINTS. TREES ARE TO BE PLANTED WITHIN TEN (10) FEET OF THE RIGHTS-OF-WAY OF THE ROAD OR ROADS WITHIN AND ABUTTING THE DEVELOPMENT.

ABBEY AVE 215± LF / 30 = 7.16 or 8 TREES REQUIRED 8 TREES AS SHOWN
(NO TREES AT STREET INTERSECTIONS FOR SIGHT LINES)

WEST THIRD STREET 240± LF / 114/ 30 = 8 TREES REQUIRED 4 EXISTING TREES
5 PROPOSED TREES
9 TREES AS SHOWN
(NO TREES AT STREET INTERSECTIONS FOR SIGHT LINES)

SOUTH ALLEY - NORTH SIDE 343± LF / 40 = 8.58 or 9 TREES REQUIRED 10 TREES AS SHOWN
(NO TREES AT STREET INTERSECTIONS FOR SIGHT LINES)

SOUTH ALLEY - SOUTH SIDE 430± LF / 40 = 10.75 or 11 TREES REQUIRED 10 TREES AS SHOWN
(TREES ADJUSTED FOR LIGHT POLES)

INLAND AVENUE - WEST SIDE 320± LF / 40 = 8 TREES REQUIRED 9 TREES AS SHOWN
(NO TREES AT STREET INTERSECTIONS FOR SIGHT LINES)

INLAND AVENUE - EAST SIDE 400± LF / 40 = 10 TREES REQUIRED 11 TREES AS SHOWN
(NO TREES AT STREET INTERSECTIONS FOR SIGHT LINES)

LANDSCAPING OF PARKING LOTS:
WITHIN THE LANDSCAPED ISLANDS, ONE (1) SHADE TREE SHALL BE PROVIDED FOR EVERY TEN (10) PARKING SPACES. EACH TREE, AT THE TIME OF INSTALLATION, SHALL HAVE A MINIMUM CALIPER OF 2.5 INCHES AND A CLEAR TRUNK HEIGHT OF AT LEAST SIX (6) FEET.
LANDSCAPED AREAS ADJACENT TO THE PERIMETER OF THE PARKING AREA SHALL NOT BE COUNTED AS INTERIOR PARKING LOT LANDSCAPED AREAS.

115 SPACES / 10 = 11.5 or 12 TREES REQUIRED 12 TREES AS SHOWN

PARKING LOT SCREENING:
SCREENING NEXT TO OR ACROSS THE STREET FROM RESIDENTIAL SHALL BE PER CITY CODE SECTION 150.565.42(C). SCREENING DESIGN AND DEVELOPMENT SHALL BE COMPATIBLE WITH THE EXISTING AND PROPOSED LAND USE AND DEVELOPMENT CHARACTER OF THE SURROUNDING LAND AND STRUCTURES. MEETS REQUIREMENT AS SHOWN

PLANT MATERIALS LIST

KEY	QTY.	PLANT NAME	MINIMUM INSTALLED SIZE	MATURE HT./SPD.
DECIDUOUS TREES				
AR	6	BOWHALL MAPLE - <i>Acer rubrum</i> 'Bowhall'	2-1/2" cal. B/B	40'/1.5'
AM	10	STATE STREET MAPLE - <i>Acer miyabei</i> 'Morton'	2-1/2" cal. B/B	50'/3.5'
GT	7	SKYLINE LOCUST - <i>Gleditsia triacanthos</i> 'Skyline'	2" cal. B/B	45'/3.5'
GD	8	KENTUCKY COFFEE TREE - <i>Gymnocladus dioica</i> 'Espresso-JFS' (Seedless)	2" cal. B/B	50'/3.5'
UA	20	JEFFERSON ELM - <i>Ulmus americana</i> 'Jefferson'	2" cal. B/B	70'/5.0'
SCREENING SHRUBS				
JV	34	GREY OWL JUNIPER - <i>Juniperus virginiana</i> 'Grey Owl'	# 3 cont.	3'/6'
ORNAMENTAL GRASSES				
PV	59	SWITCH GRASS - <i>Panicum virgatum</i> 'Shenandoah'	# 3 cont.	4'/3'

* DENOTES OHIO NATIVE PLANT MATERIAL

PLANT MATERIALS LIST - PHASE 2

KEY	QTY.	PLANT NAME	MINIMUM INSTALLED SIZE	MATURE HT./SPD.
DECIDUOUS TREES				
AS	20	WRIGHT BROTHERS SUGAR MAPLE - <i>Acer saccharum</i> 'Wright Brothers'	2" cal. B/B	50'/3.5'

GENERAL LANDSCAPE REQUIREMENTS:

- DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING.
- THE PLANT LIST IS INTENDED AS A GUIDE FOR THE LANDSCAPE CONTRACTOR. IN THE EVENT OF DISCREPANCY BETWEEN THE NUMBER OF PLANTS ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
- ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. ADVISE ARCHITECT'S REPRESENTATIVE BEFORE ADJUSTMENTS ARE MADE.
- ALL SHRUBS OCCURRING IN CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL BE OF UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH.
- A MINIMUM OF 4" DEPTH OF TOPSOIL SHALL BE PLACED IN ALL BED AREAS BY LANDSCAPE CONTRACTOR PRIOR TO PLANT INSTALLATION. BACKFILL ALL SHRUBS AND TREES WITH BACKFILL MIX OF ONE PART PEAT TO THREE PARTS TOPSOIL.
A. ROCKHOUND ALL AREAS TO A DEPTH OF 6" AND REMOVE ROCKS AND WEEDS. AFTER TOPSOIL HAS BEEN SPREAD, ROCKHOUND AGAIN TO REMOVE ALL STONES AND LUMPS.
- MULCH TREES AND SHRUBS WITH MIN. 3" DEPTH AND PERENNIAL BEDS WITH 2" DEPTH OF HARDWOOD MULCH. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITHIN PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURES - WALKS, BUILDING OR OTHER PLANT BED LIMITS. KEEP MULCH MIN. 1/2" BELOW TOP OF CURB & ADJACENT PAVED SURFACES.
- SEED ALL DISTURBED LAWN AREAS WITHIN PROJECT LIMITS. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS AND EXTENT OF WORK AND VERIFY EXTENT WITH ARCHITECT'S REPRESENTATIVE.
- THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTS AND BEDS FOR A MIN. OF 30 DAYS AFTER ACCEPTANCE OF THE WORK BY THE ARCHITECT'S REPRESENTATIVE. THIS INCLUDES REGULAR WATERING, WEEDING AND MOWING.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM DATE AT END OF MAINTENANCE PERIOD. BEFORE END OF WARRANTY PERIOD CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.

LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
PO Box 472 205 PARK MEADOWS DR.
YELLOW SPRINGS, OHIO 45387
(937) 767.8199 (M) 937.654.8199
ysdesigns20@gmail.com
LICENSED IN: OH, KY, PA, IN, IL, MO,
MI, VA, TX, OK, KS, AZ, CO, NM & UT

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TITLE
SITE LANDSCAPE PLAN

SHEET NO.

L1.0

not for construction

A

B

C

D

E

F

1

2

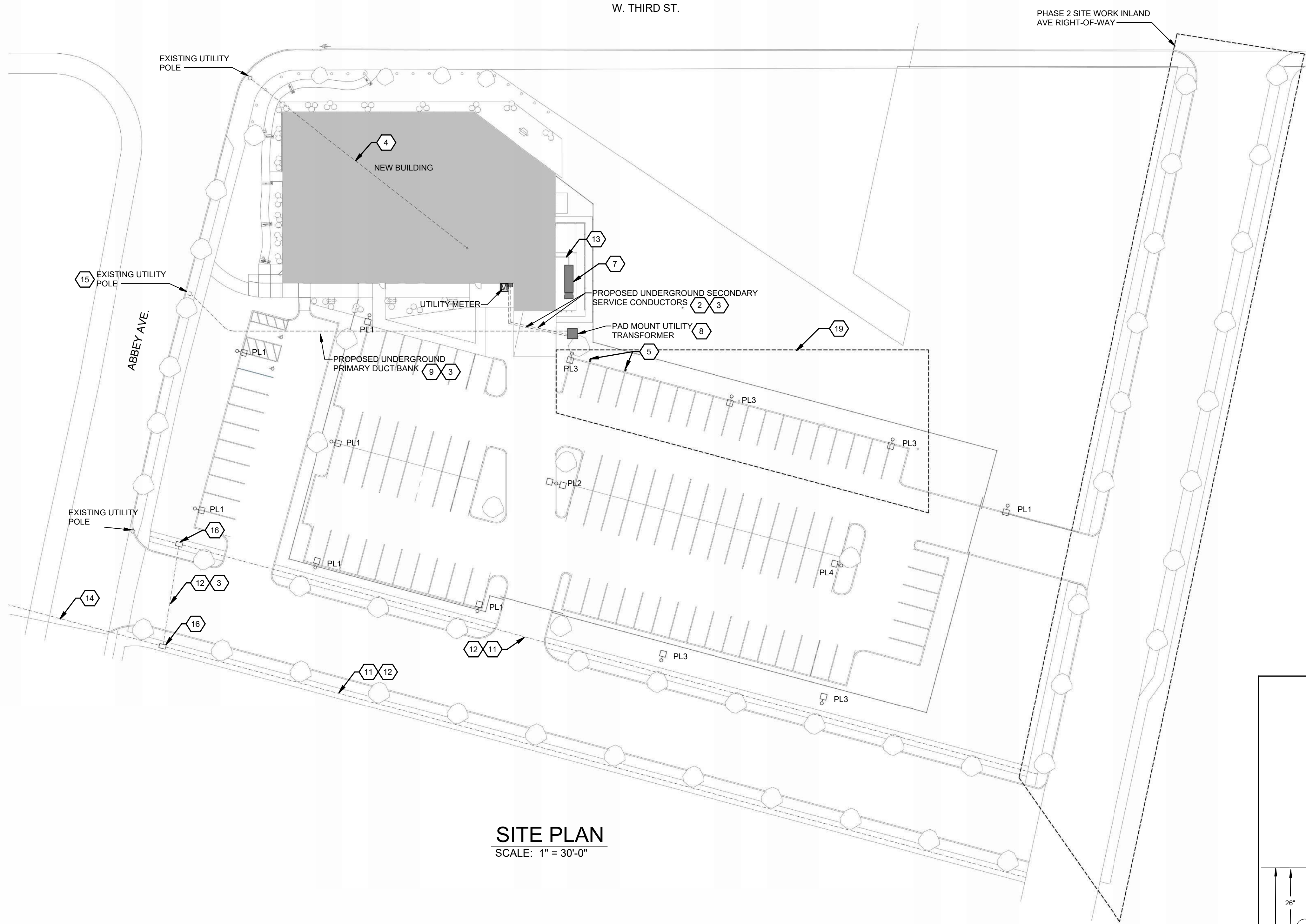
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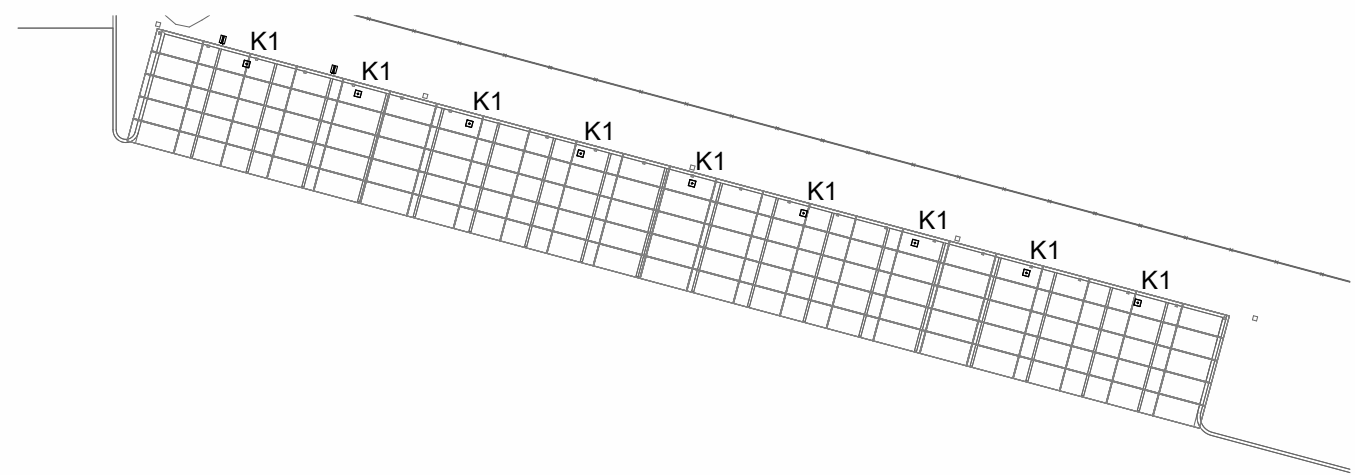
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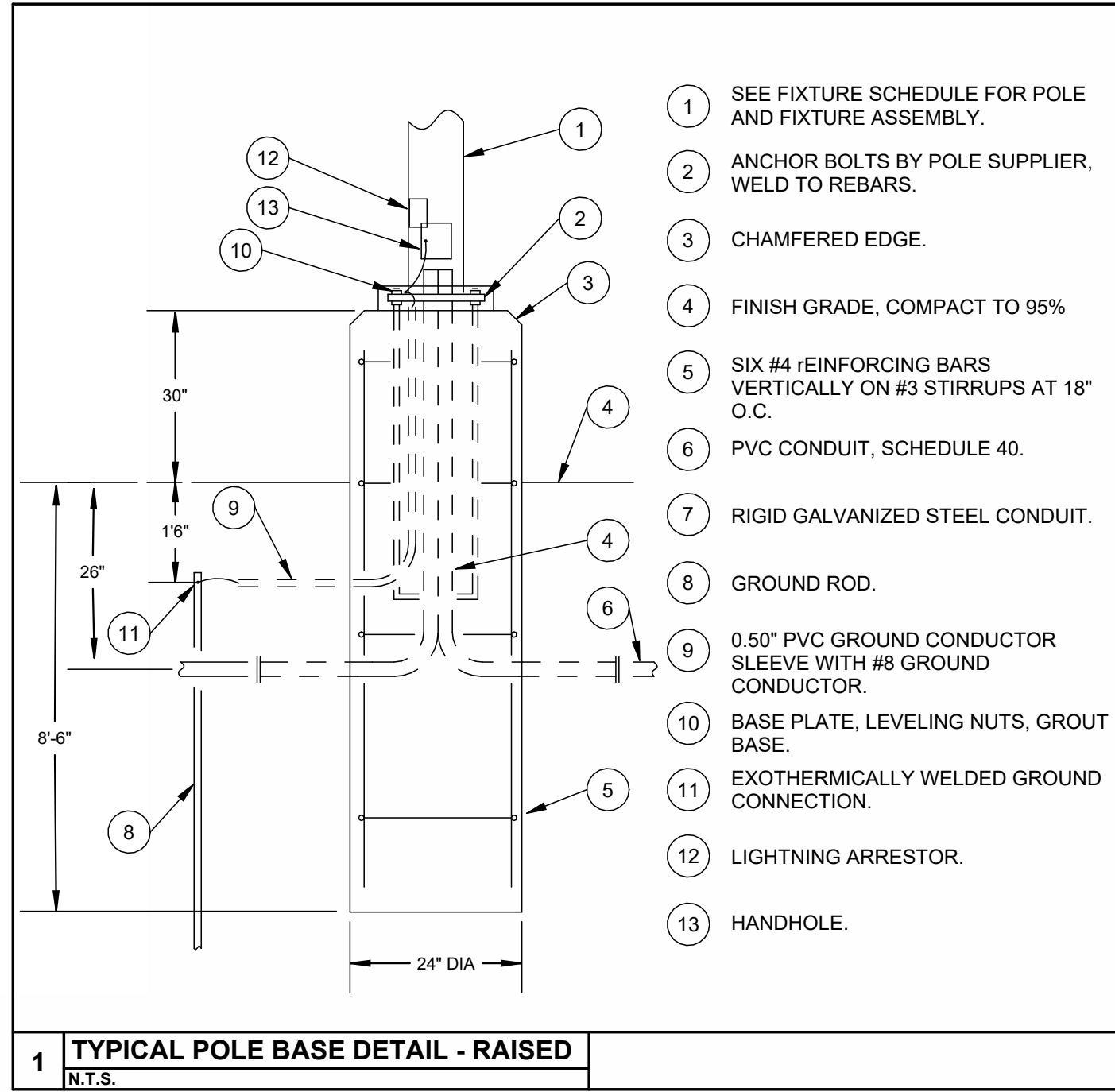
SITE PLAN
SCALE: 1" = 30'-0"



ELECTRICAL ALTERNATE E1
SCALE: 1" = 30'-0"

CONSTRUCTION NOTES

- COORDINATE FLAG POLE LIGHTS WITH INSTALLER.
- UNDER GROUND SERVICE ENTRANCE CONDUCTORS TO CT CABINET ON EXTERIOR WALL (WITH METERING) PER AES ENERGY REQUIREMENTS.
- PROVIDE CONCRETE ENCASUREMENT ON UNDERGROUND PRIMARY AND SECONDARY SERVICE CONDUITS WHERE CROSSING DRIVEWAYS, ROADS, PARKING.
- PROVIDE TWO 3" UNDERGROUND CONDUIT FROM UTILITY POLE TO RISE UP TO IT ROOM.
- PROVIDE 1" C. STUBBED FROM PANEL FOR EV CHARGING STATION.
- CIRCUIT EXTERIOR LIGHTS THRU EXTERIOR LIGHTING CONTACTOR LOCATED IN ELECTRICAL ROOM.
- STANDBY GENERATOR.
- UTILITY PAD MOUNT TRANSFORMER. REFER TO TRANSFORMER PAD DETAIL.
- PROVIDE PRIMARY SERVICE CONDUITS (TWO - 4" PVC) FROM NEW RISER POLE TO NEW UTILITY TRANSFORMER PAD. REFER TO UNDERGROUND DETAIL, SHEET E0.5.
- REFER TO POLE BASE DETAIL, SHEET E0.4.
- REFER TO SAND ENCASED UNDERGROUND DUCT DETAIL, SHEET E0.5.
- PROVIDE (3) 3" PVC CONDUITS BELOW SIDEWALK FOR FUTURE USE (BY CITY).
- CONDUITS FROM STANDBY GENERATOR FOR OUTPUT FEEDER, BLOCK HEATER, BATTERY CHARGER, REMOTE ANNUNCIATOR, START SIGNAL WIRING, ETC.
- EXTEND (3) 3" PVC CONDUITS ACROSS ABBEY AVE FOR FUTURE USE (BY CITY).
- EXISTING AES OVERHEAD PRIMARY SERVICE, 3 PHASE.
- PROVIDE FLUSH-IN-GRADE QUAZITE PULLBOX IN SIDEWALK FOR INTERCONNECTION OF FUTURE CONDUIT SYSTEM
- PROVIDE 1" CONDUIT AND 120V CIRCUIT FROM IT ROOM FOR FUTURE SIGNAGE.
- PROVIDE 1" DATA CONDUIT FROM IT ROOM TO POLE LIGHT FOR SECURITY CAMERA.
- REFER TO PARTIAL PLAN LIGHTING UNDER PHOTOVOLTAIC CANOPY SYSTEM. PROVIDED UNDER ALTERNATE E1, IN LIEU OF POLE LIGHTS SHOWN ON SITE PLAN ON THIS SHEET.



NAUMAN & ZELINSKI LLC.
204 S. Ludlow Street Suite 400 Dayton, Ohio 45402
Phone (937) 233-3661 • Fax (937) 233-3649