MODEL

FRANKLIN HS - SITE IMPROVEMENTS

140 E 6th Street, Franklin, OH 45005

SHP - ARCHITECT
312 Plum Street, Suite 700, Cincinnati, OH 45202
PHONE: (513) 381-2112 FAX: (513) 381-5121

THE KLEINGERS GROUP - CIVIL ENGINEER
6219 Centre Park Drive, West Chester, OH 45069
PHONE: (513) 779-7851 FAX: (513) 779-7852

THE KLEINGERS GROUP - LANDSCAPE ARCHITECT
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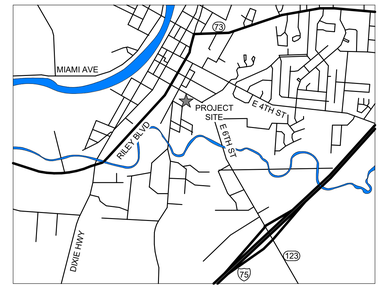

VICINITY MAP
NTS

SHEET INDEX

STATE OF OHIO
RUSSELL R. MILLER, JR. 0814790
REGISTERED ARCHITECT

RUSSELL R. MILLER, JR., Lic# 0814790
Expiration Date 12/31/2025

SHP
312 Plum Street, Ste 700 | Cincinnati, Ohio 45202 | 513.381.2112
1086 North 4th Street, Ste 111 | Columbus, Ohio 43201 | 614.423.2124
223 Fairfield Avenue, Ste 100 | Bellevue, Kentucky 41073 | 859.360.1234

FRANKLIN CITY SCHOOLS
FRANKLIN HS - SITE IMPROVEMENTS
140 E 6th Street, Franklin, OH 45005
FRANKLIN CITY SCHOOLS
754 E 4th Street, Franklin, OH 45005

ISSUANCES

11-06-23	DESIGN DEVELOPMENT
03-15-24	PLANNING COMMISSION
04-19-24	GMP
11-25-24	PLANNING COMMISSION

TITLE SHEET

COMM NO. 2020108.03

G000

0"-1" REFERENCE LINE

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AERIAL VIEW FROM FROM EAST SIXTH STREET & ANDERSON STREET

STREET VIEW FROM EAST SIXTH STREET & ANDERSON STREET

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ISSUANCES

11-25-24	PLANNING COMMISSION

RENDERINGS

COMM NO. 2020108.03

G005

0'-1" REFERENCE LINE

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GENERAL NOTES

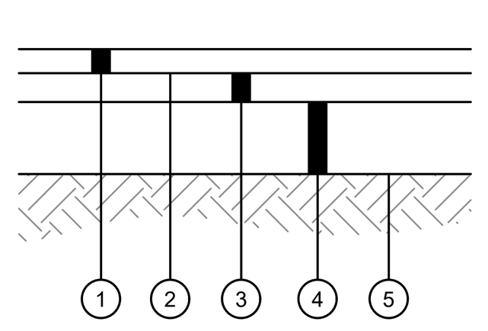
1. THE CITY OF FRANKLIN, AND THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT CMS), INCLUDING ALL SUPPLEMENTS, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THIS PLAN. IGNORE REFERENCES TO MEASUREMENT AND PAYMENT IN THE ODOT CMS UNLESS NOTED OTHERWISE. IN THE CASE OF CONFLICTS BETWEEN THE ODOT CMS AND THE CITY OF FRANKLIN REQUIREMENTS, THE CITY OF FRANKLIN REQUIREMENTS SHALL PREVAIL.
2. 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.
3. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
4. 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.
5. 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.
6. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
7. ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
8. 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 RECUT TO NEAT LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
9. 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 NEAT LINE. INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.

GRADING NOTES

1. CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
2. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, 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.
3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
4. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK ON SITE BY IMPORTING/EXPORTING DIRT AS NECESSARY.
6. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY CITY OF FRANKLIN AND THE OHIO EPA.
7. 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 IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE ODOT ITEM 659.

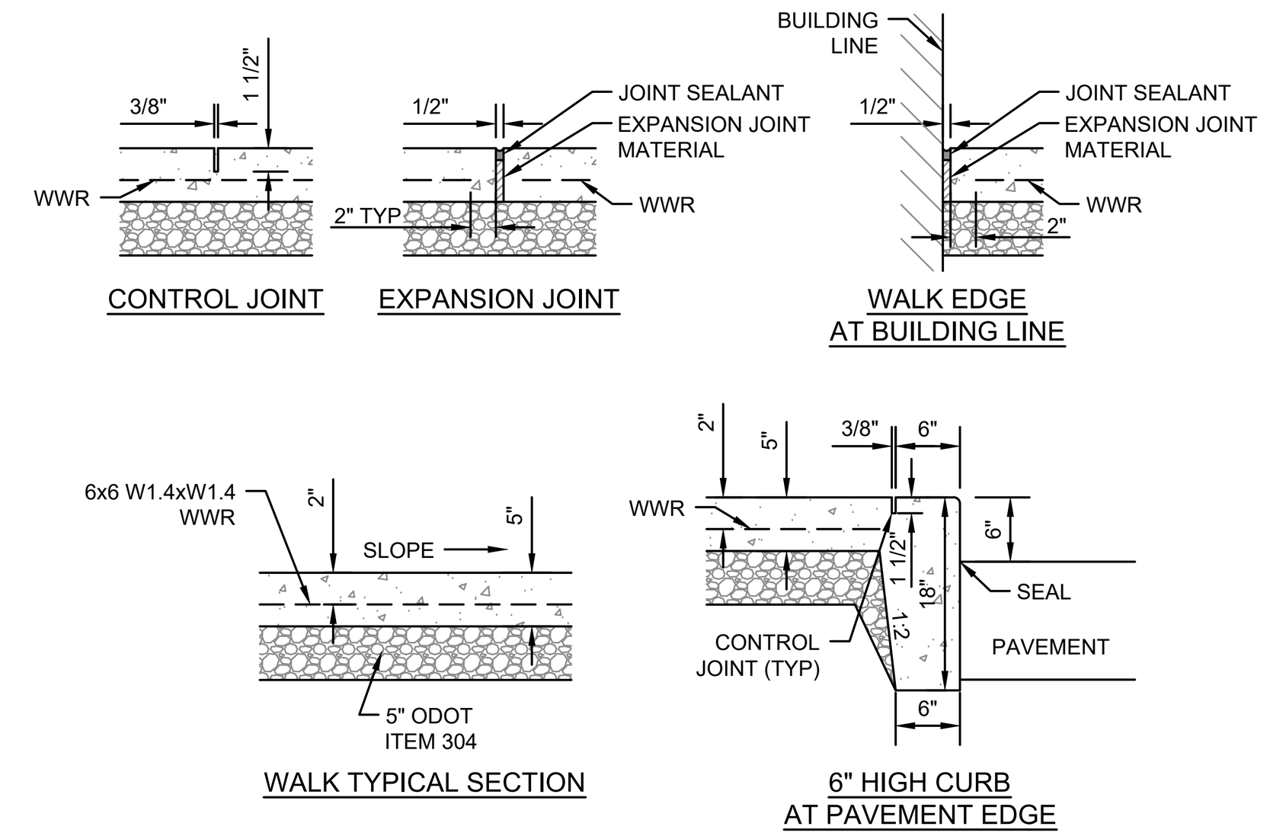
UTILITY NOTES

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.
7. ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES AND CONFORM TO ADA REQUIREMENTS.
8. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
9. ALL CATCH BASINS WITH DEPTH GREATER THAN 4.5' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611.
10. DISTANCES SHOWN FOR STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
11. 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.
12. 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.
13. 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.
14. ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED.
15. 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 706.02 CLASS IV. STORM SEWER PIPE LABELED "RCP" 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=0.013) OR LESS.
16. ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4, 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, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.
17. ALL EXISTING INVERTS ALONG PROPOSED PIPE ALIGNMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SEWER.
18. ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFFSITE AREA MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
19. 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.



1. 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
2. ODOT ITEM 407 TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
3. 2.5" ODOT ITEM 301 ASPHALT CONCRETE BASE
4. 6" ODOT ITEM 304 AGGREGATE BASE
5. SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

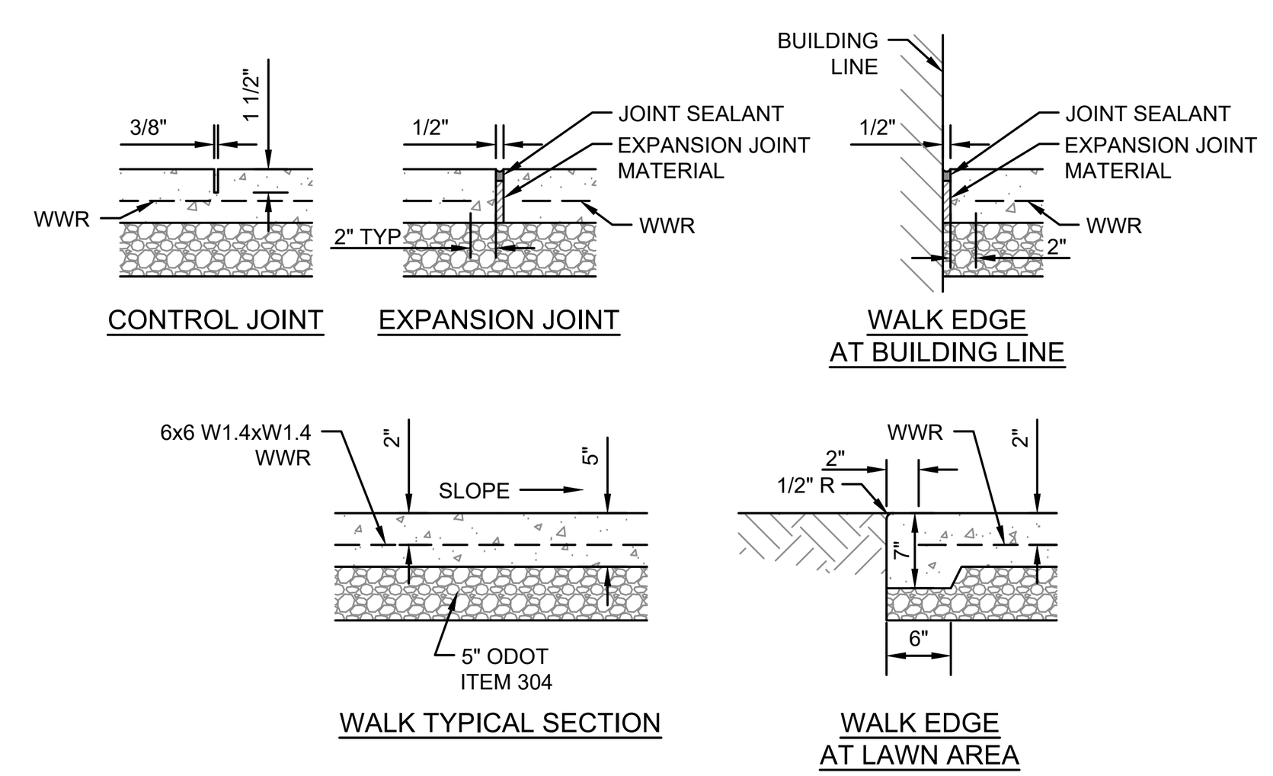
1 C100 STANDARD DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



NOTES:

1. 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.
2. INSTALL CONTROL JOINTS AT 6' OC MAXIMUM. CONTROL JOINTS SHALL BE 3/8" WIDE BY 1 1/2" DEEP AND TOOLED, SAWED JOINTS ARE NOT PERMITTED.
3. WALK SHALL HAVE A MINIMUM CROSS SLOPE OF 1.00%, MAXIMUM CROSS SLOPE OF 2.00%.
4. WATER AND UTILITY BOXES IN THE WALK AREA SHALL BE ADJUSTED FLUSH WITH THE FINAL SURFACE.
5. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AT ALL BUILDING DOORS.
6. JOINTING PLANS MUST BE SUBMITTED FOR APPROVAL.

2 C100 EXTERIOR CONCRETE SLAB WALK WITH INTEGRAL CURB DETAIL
N.T.S.



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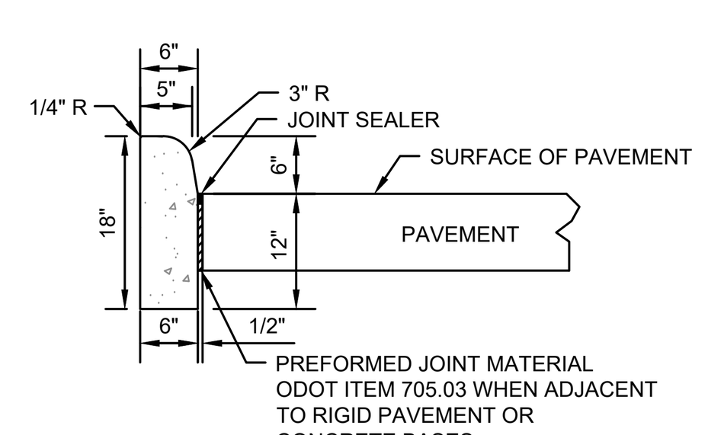
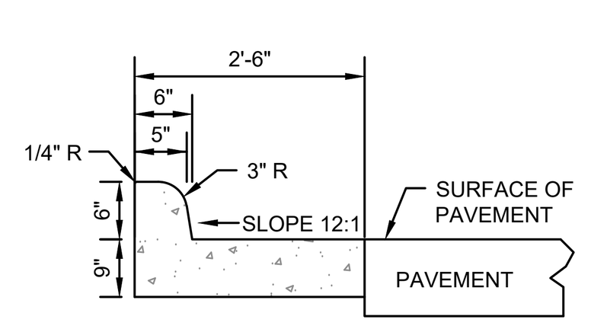
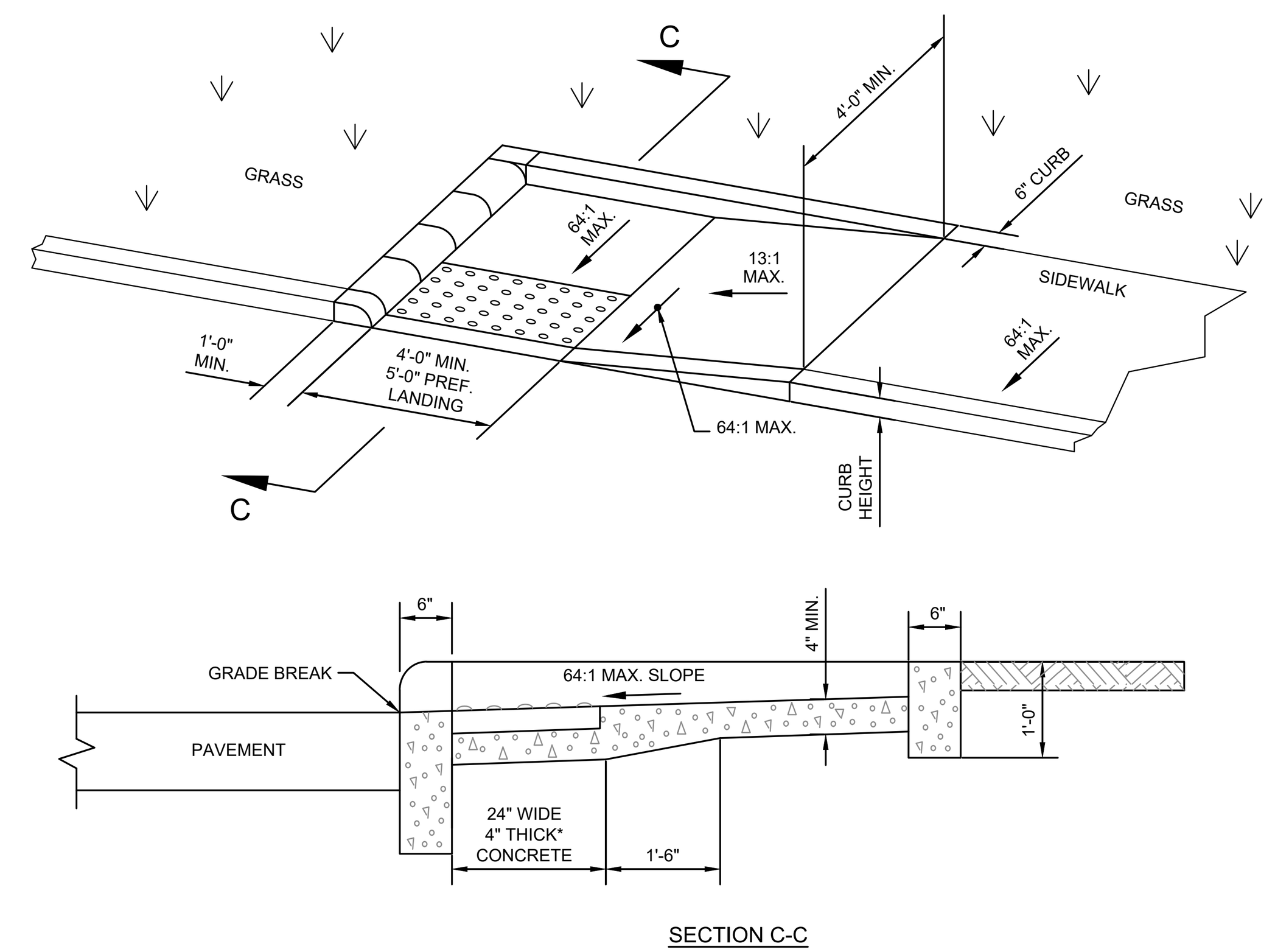
3 C100 EXTERIOR CONCRETE SLAB WALK DETAIL
N.T.S.



4 C100 BARRIER CURB DETAIL
N.T.S.



5 C100 CURB AND GUTTER DETAIL
N.T.S.

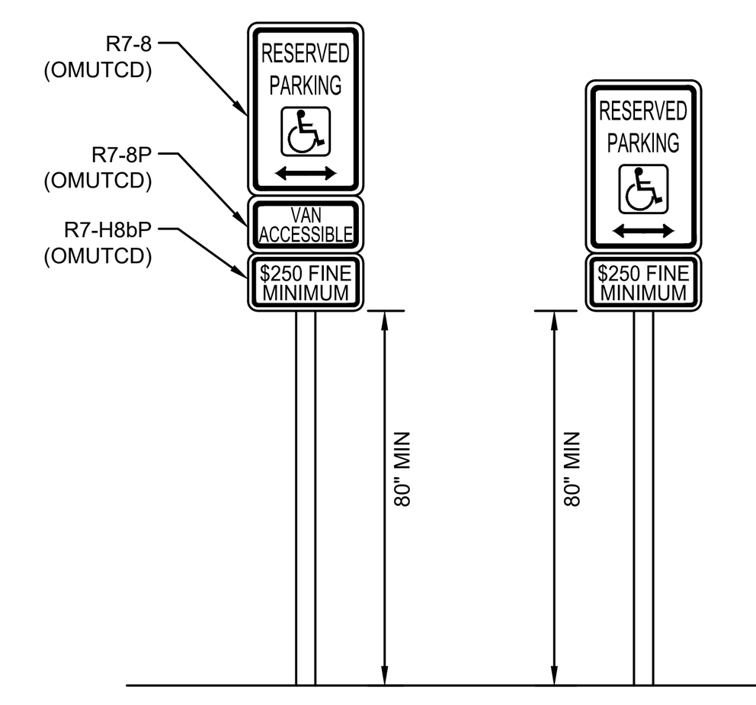


NOTES:

1. 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.
2. 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.
3. THE BOTTOM EDGE OF THE RAMP SHALL CHANGE PLANES PERPENDICULAR TO THE LANDING.
4. 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.
5. RAMP LANDINGS SHALL BE 4' MIN. X 4' MIN. WITH A 64:1 OR FLATTER CROSS SLOPE AND RUNNING SLOPE.
6. **DETECTABLE WARNINGS:** INSTALL DETECTABLE WARNINGS ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN IN SEPARATE DETAIL. INSTALL THESE PROPRIETY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. **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 ⅛" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.
8. **SURFACE TEXTURE:** TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
9. **JOINTS:** PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A ½" 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.

6 C100 CURB RAMP DETAIL - SINGLE SIDED PARALLEL
N.T.S.



GENERAL NOTES:
1. U-TYPE FLANGED STEEL SIGN POST SET IN EARTH IF OUTSIDE PAVEMENT EDGE, OR IN CONCRETE TO A MINIMUM DEPTH OF 3'-0" IF WITHIN PAVEMENT.

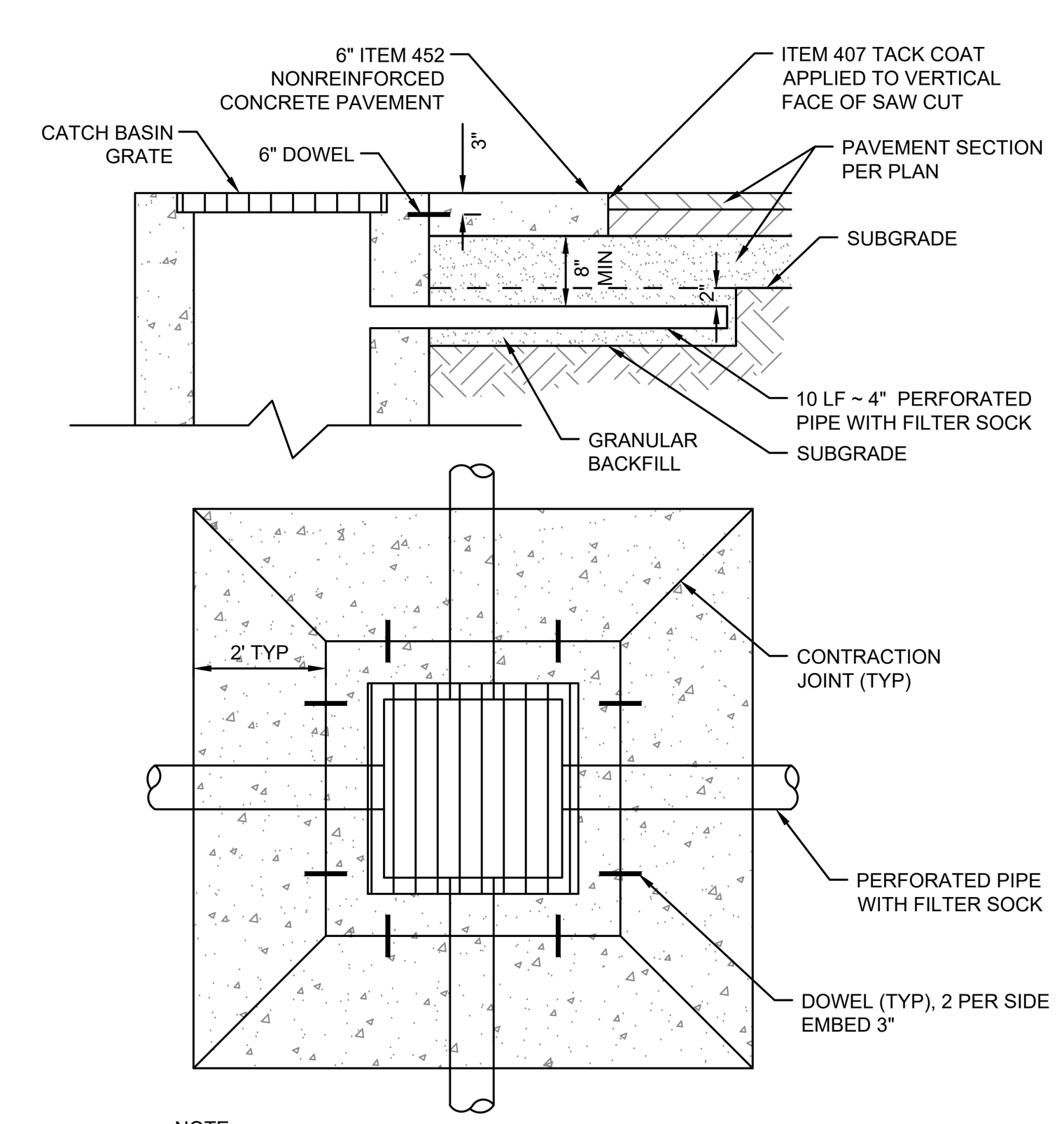
R7-8 NOTES:
1. 12"X18"X16 GA. STEEL SIGN
2. GREEN LETTERING, BORDER, AND ARROW WITH WHITE BACKGROUND. WHITE HANDICAP SYMBOL IN BLUE BOX.

R7-8P NOTES:
1. 12"X6"X16 GA. STEEL SIGN
2. GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

R7-H8bP NOTES:
1. 12"X6"X16 GA. STEEL SIGN.
2. GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

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

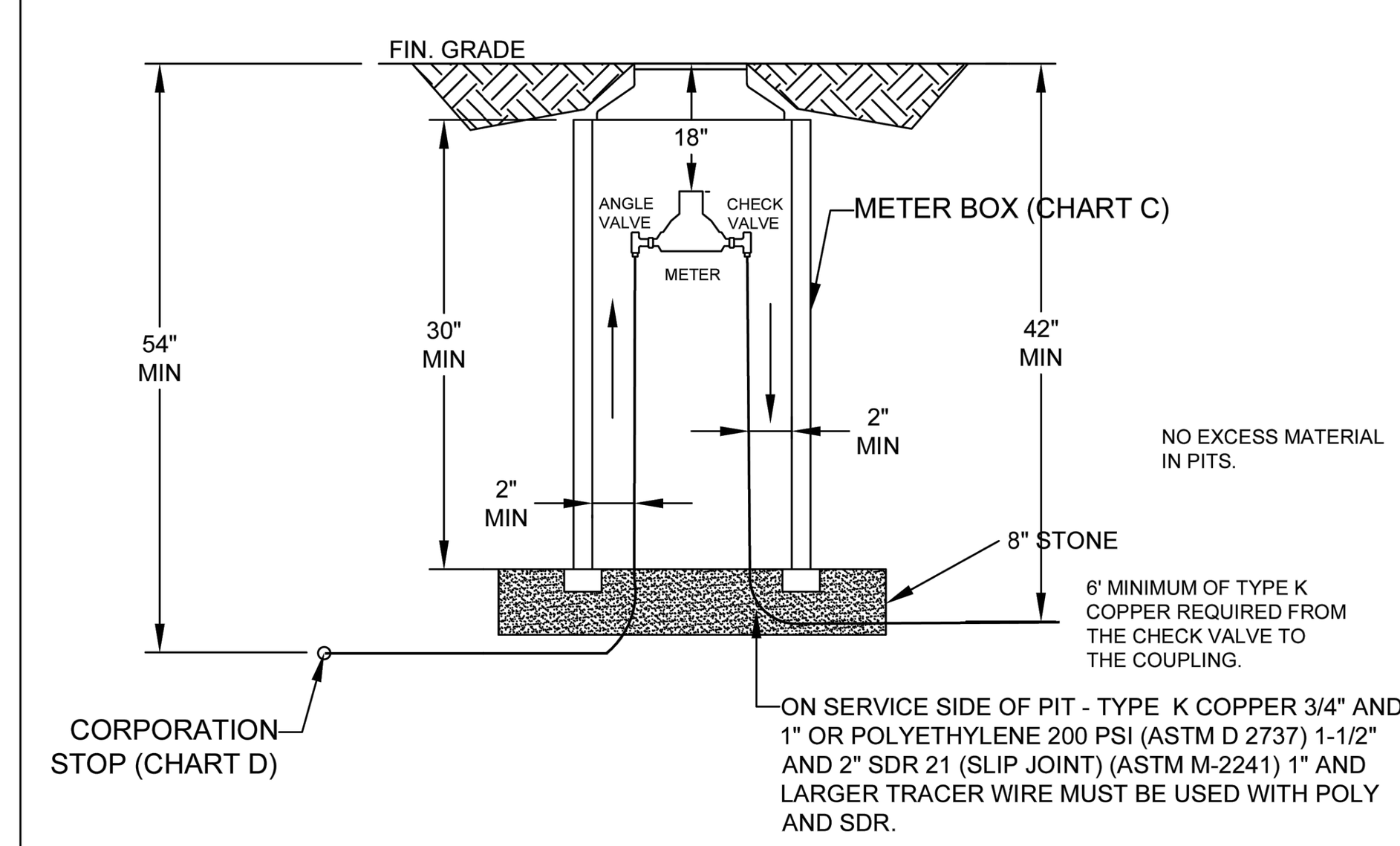
7 C100 ACCESSIBLE PARKING SIGN DETAIL
NTS



NOTE:
INSTALL FINGER DRAINS AT ALL CATCH BASINS IN PAVEMENT

8 C100 FINGER DRAIN AND CATCH BASIN CONCRETE APRON DETAIL
N.T.S.

METER SIZE	CHART A ANGLE VALVE	CHART B CHECK VALVE	CHART C METER PIT & COVER	CHART D CORP STOP	CHART E COUPLINGS
3/4" - 5/8"	MUELLER P24258-1 FORD BA43-332W MCDONALD 4602 B-22	MUELLER P 14269 FORD HA34 323 MCDONALD 02-342	METER PIT 20'X30" SIGMA #2030-SW-W ROUND STRAIGHT WALL COVER FORD C-3T OR EQUAL	MUELLER P 15008 FORD FB1000 MCDONALD MAC-PAK COMPRESSION	FORD C44-33 MUELLER P 15403 MCDONALD 4758-22
1 "	FORD BA43-444W	FORD HA34-444	METER PIT 20'X30" SIGMA #2030-SW-W ROUND STRAIGHT WALL COVER FORD C-3T OR EQUAL	FORD FB1000	FORD C44-44 MUELLER P 15403 MCDONALD 4758-22
DOUBLE 3/4"	FORD UVB43-32W	FORD HA34-323	METER PIT 20'X30" SIGMA #2030-SW-W ROUND STRAIGHT WALL COVER FORD C-3T OR EQUAL	FORD FB1000	FORD C44-33 MUELLER P 15403 MCDONALD 4758-22



NOTE:
1. BACK FLOW PREVENTER TO BE INSTALLED AHEAD OF ANY SPRINKLER BUT NOT IN METER PIT.

METER BOX DETAIL FOR 3/4" AND 1" METERS

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS	STANDARD NUMBER
MAY, 2023	DEPARTMENT OF WATER & SEWER	W-10A

NOTES:

GENERAL

1. 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

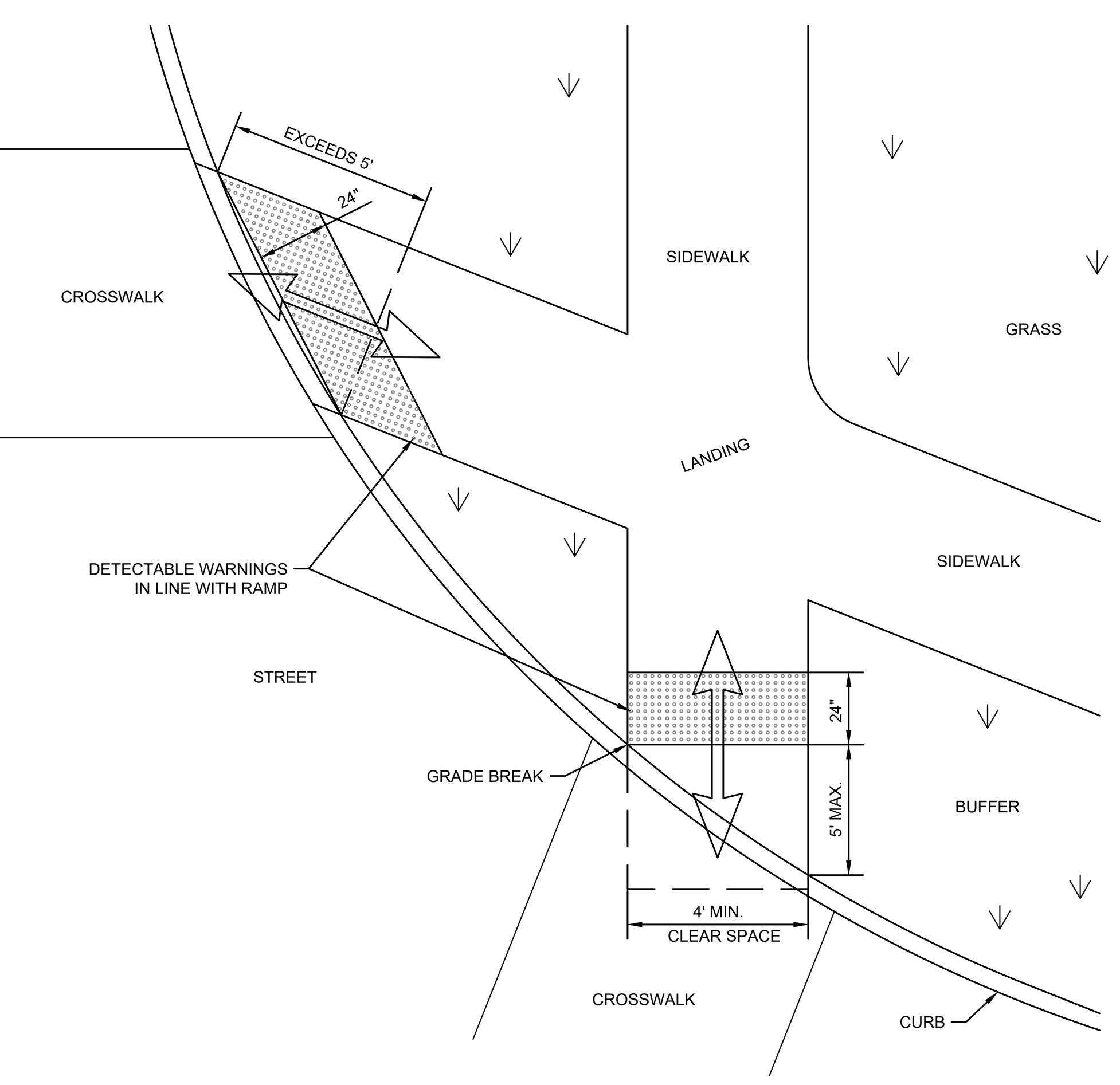
2. DETECTABLE WARNINGS ARE TO BE INSTALLED AT ANY LOCATION WHERE PEDESTRIANS MIGHT CROSS PATHS WITH VEHICULAR TRAFFIC LANES, SUCH AS THE BASE OF CURB RAMPS OR AT BLENDED CURBS. A 24" STRIP OF DOMES IS TO BE INSTALLED FOR THE FULL WIDTH OF THE RAMP OR WALK.
3. THE DEPTH OF CONCRETE UNDERNEATH DETECTABLE WARNING PRODUCTS SHALL BE A MINIMUM OF 4".

ALIGNMENT

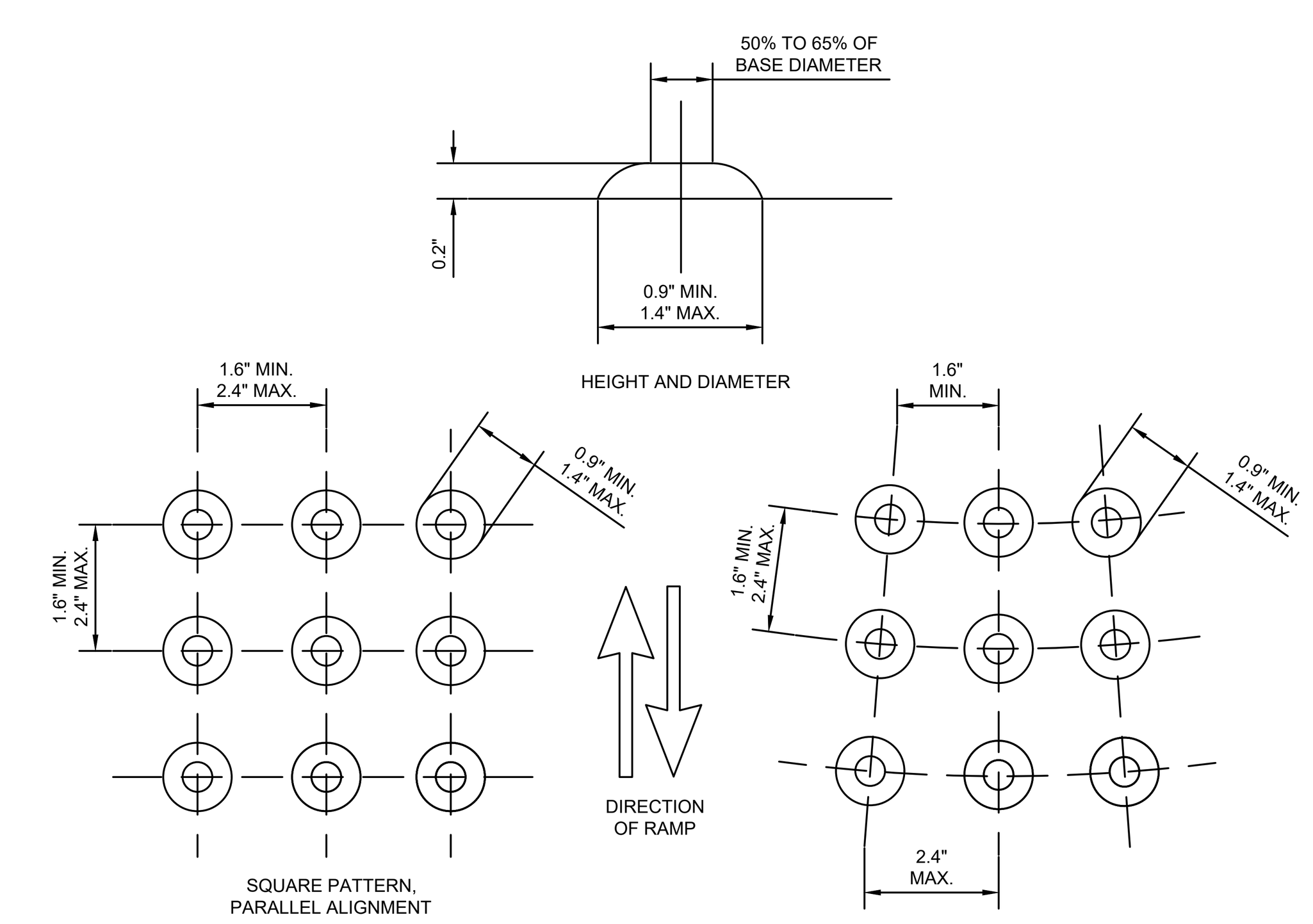
4. TRUNCATED DOMES SHOULD BE ALIGNED WITH THE PRIMARY DIRECTION OF THE RAMP AS SHOWN ON THE DETECTABLE WARNING ALIGNMENT DETAIL. NORMALLY THE DETECTABLE WARNINGS SHOULD BE FLUSH WITH THE BACK OF THE CURB, BUT FOR SKEWED CONDITIONS SEE DETECTABLE WARNING ALIGNMENT DETAIL. FOR NON-STNADARD LAYOUTS, DETECTABLE WARNING MATERIALS MAY HAVE TO BE MITERED AND PLACED SEGMENTALLY.

PRODUCTS & COLORS

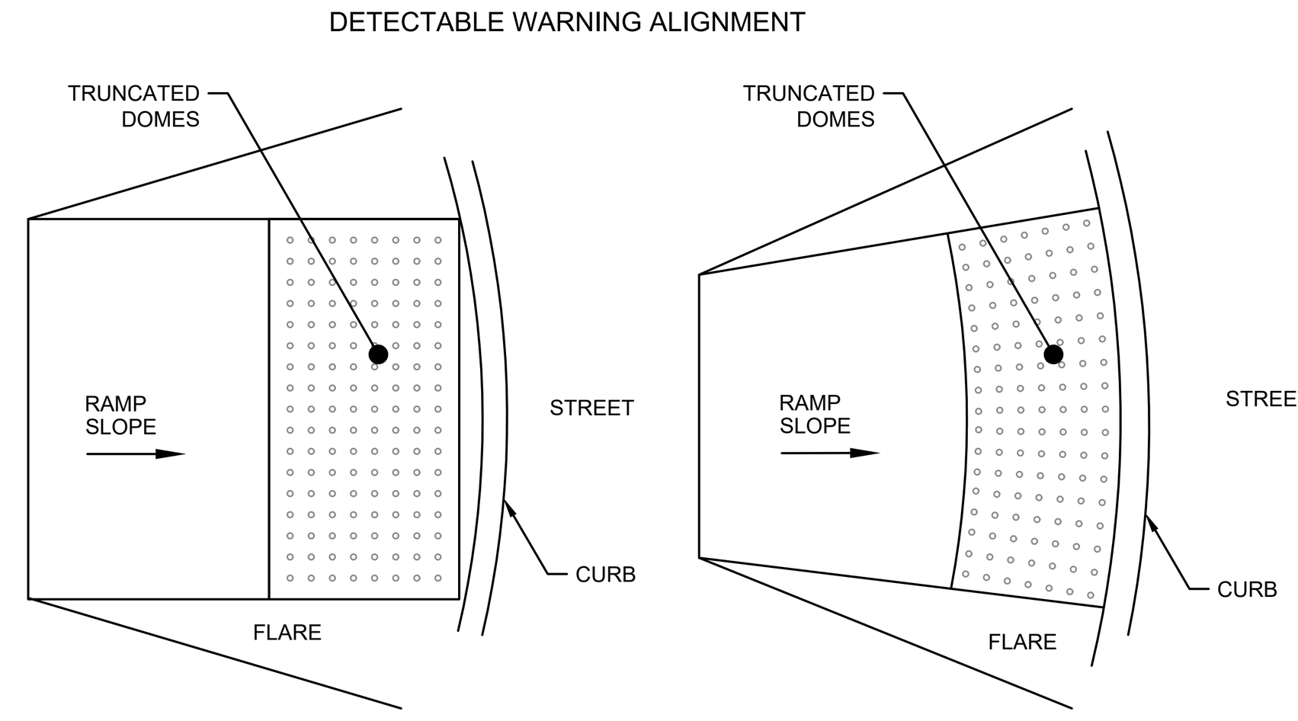
5. COLOR OF THE DETECTABLE WARNINGS SHOULD CONTRAST WITH SURROUNDING CONCRETE WALK AND RAMP. BLACK IS NOT AN ACCEPTABLE COLOR. APPROVED PRODUCTS AND GUIDANCE ON COLOR MAY BE FOUND ON THE ODOT OFFICE OF ROADWAY ENGINEERING SERVICE'S DETECTABLE WARNINGS APPROVED LIST. INSTALL PRODUCTS AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.



DETECTABLE WARNING ALIGNMENT



TRUNCATED DOMES DETAILS



DOME ALIGNMENT ON RADIUSED CURB

9 C100 DETECTABLE WARNINGS DETAIL
N.T.S.

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 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

OHIO811.org Before You Dig

THE KLEINGERS GROUP
CIVIL ENGINEERING
SURVEYING
LANDSCAPE ARCHITECTURE
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ISSUANCES

	11-06-23	DESIGN DEVELOPMENT
	03-15-24	PLANNING COMMISSION
	04-19-24	GMP
	05-22-24	PLANNING COMMISSION
	11-25-24	PLANNING COMMISSION

GENERAL NOTES & DETAILS

DATE 05-22-2024

COMM NO. 2020108.03

C100

VICINITY MAP
N.T.S

LEGEND

- BENCHMARK
- MAGNAIL FOUND
- 5/8" IRON PIN FOUND (UNLESS OTHERWISE NOTED)
- PIPE FOUND (SIZE AS NOTED)
- FOUND CROSS NOTCH
- STORM MANHOLE
- CATCH BASIN
- STORM INLET
- YARD DRAIN
- SANITARY CLEANOUT
- SANITARY MANHOLE
- WATER SERVICE
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- SIGN - SINGLE POST
- SIGN - DOUBLE POST
- LIGHT POLE
- UTILITY POLE
- GUY
- ELECTRIC BOX
- ELECTRIC METER
- PULL BOX
- TELEPHONE MANHOLE
- TELEPHONE BOX
- GAS VALVE
- TRAFFIC SIGNAL POLE
- GUARD POST
- OU — OVERHEAD UTILITY
- G — GAS LINE
- W — WATER LINE
- SANITARY SEWER
- STORM SEWER
- ASPHALT
- CONCRETE

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NOTES:

1. SOURCE DOCUMENTS AS NOTED.
2. OCCUPATION IN GENERAL FITS SURVEY.
3. MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED.
4. HORIZONTAL AND VERTICAL DATUM ARE 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) (NAVD 88)
5. SITE BENCHMARK AS SHOWN HEREON.

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SURVEY BASEMAP

DATE 05-22-2024

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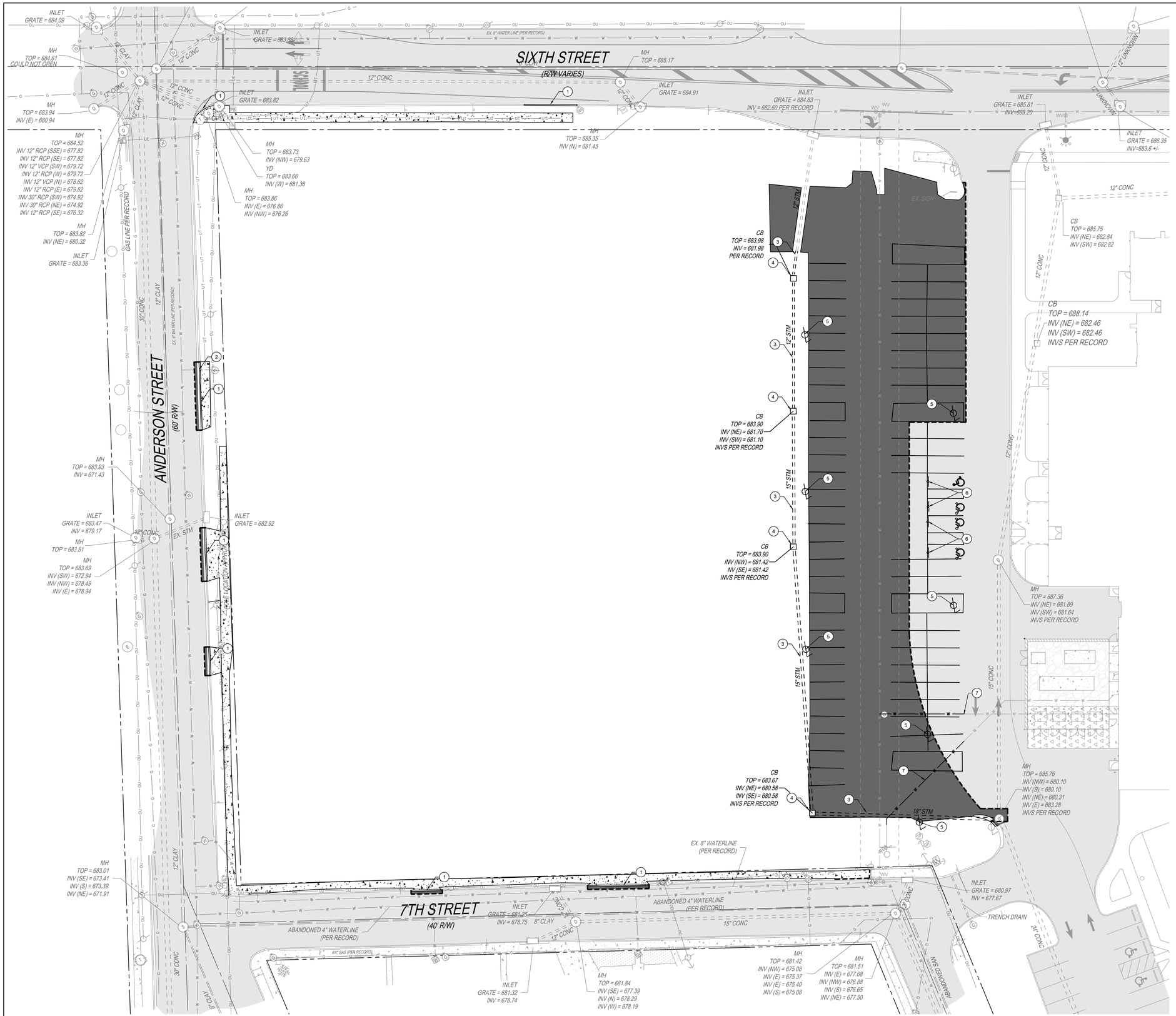

DEMOLITION PLAN LEGEND

- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT
- SAWCUT LINE

DEMOLITION PLAN CODED NOTES

1. REMOVE FLUSH CURB TO EXTENTS SHOWN
2. REMOVE FULL HEIGHT CURB TO EXTENTS SHOWN
3. REMOVE STORM PIPE TO EXTENTS SHOWN
4. REMOVE STORM STRUCTURE
5. REMOVE LIGHT POLE, BASE, AND FOUNDATION COMPLETE
6. REMOVE SIGN, BASE, AND FOUNDATION COMPLETE
7. REMOVE WATER LINE TO EXTENTS SHOWN

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DEMOLITION PLAN

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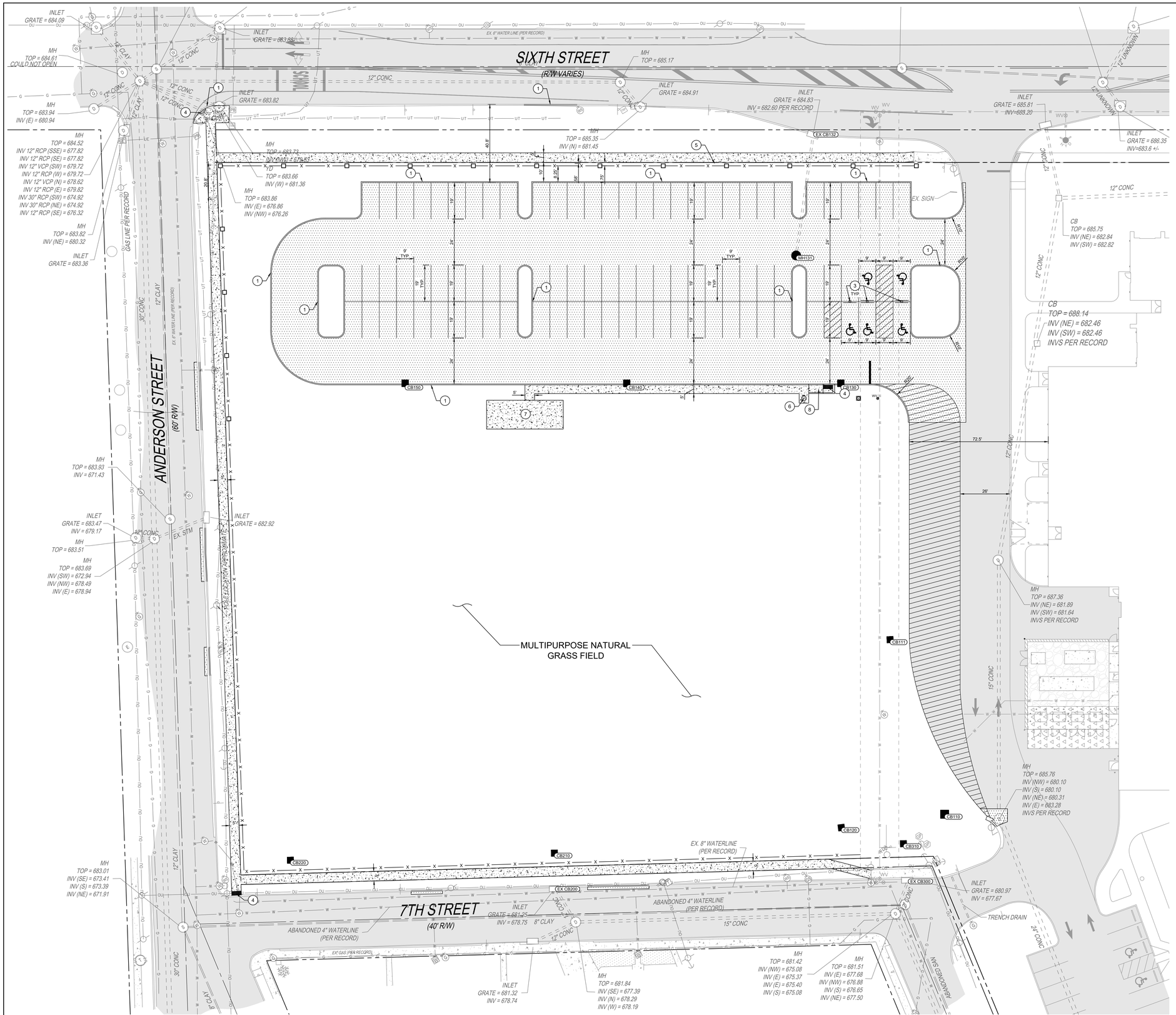

LOCATION PLAN LEGEND

- STANDARD DUTY ASPHALT PAVEMENT PER DETAIL 1/C100
- CONCRETE WALK PER DETAILS 2/C100 AND 3/C100
- CATCH BASIN
- MANHOLE
- WATER METER PER WARREN COUNTY STANDARD DETAIL W-10A ON SHEET C100
- WATER VALVE

PARKING COUNT TABLE

84	STANDARD PARKING SPACES
5	ACCESSIBLE PARKING SPACES

LOCATION PLAN KEYNOTES

1. BARRIER CURB PER DETAIL 4/C100
2. CURB AND GUTTER PER DETAIL 5/C100
3. ACCESSIBLE PARKING SIGN PER DETAIL 7/C100
4. DETECTABLE WARNINGS PER DETAIL 9/C100
5. COLUMN + FENCE, REFER LANDSCAPE DETAILS L200
6. HOSE BIB AND DRINKING FOUNTAIN
7. CONCRETE BLEACHER PAD, APPROXIMATE SIZE AND LOCATION FOR OWNER PROVIDED PORTABLE BLEACHERS - CAPACITY OF APPROX. 40
8. CURB RAMP PER DETAIL 6/C100

LOCATION PLAN GENERAL NOTES:

A. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF CURB, UNLESS OTHERWISE NOTED
B. ALL STANDARD PARKING SPACES ARE TO BE 9' X 19' UNLESS OTHERWISE NOTED
C. PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN. CAR STRIPING SHALL BE WHITE.
D. ALL RADII TO BE 4' UNLESS OTHERWISE NOTED
E. ALL CATCH BASINS SET IN PAVEMENT SHALL BE INSTALLED WITH A CONCRETE APRON AND FINGER DRAINS PER DETAIL 8/C100
F. 17 FEET OF R.O.W. TO BE DEDICATED FOR 6TH STREET. 5 FEET OF R.O.W. TO BE DEDICATED FOR 7TH STREET. 2.5 FEET OF R.O.W. TO BE DEDICATED FOR CLARK STREET.

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LOCATION PLAN

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NOTES

1. PER THE UNIFIED DEVELOPMENT ORDINANCE OF THE CITY OF FRANKLIN CHAPTER 1107.11 (C) (1) THE FOLLOWING DIMENSIONAL REQUIREMENTS APPLY TO THE SITE:

	MU-1	CV-1
MIN. FRONT YARD SETBACK	0'	0'
MAX. FRONT YARD SETBACK	N/A	N/A
MIN. SIDE YARD SETBACK	0'	0'
MIN. REAR YARD SETBACK	0'	0'-0"

2. PER THE UNIFIED DEVELOPMENT ORDINANCE OF THE CITY OF FRANKLIN CHAPTER 1107.11 (E) (1), "BUFFERYARD LANDSCAPING REQUIREMENTS, AS ESTABLISHED IN SECTION 1111.06 (G), SHALL NOT APPLY TO LOTS WITHIN THE DOWNTOWN DISTRICTS."

ZONING PLAN LEGEND

PROPOSED PROJECT LIMITS

04-31-177-006 MERILL DONNIE R

04-31-177-007 KRAMER R HAROLD & CAROLYN G & GABBARD RONALD D & DONNA K

04-31-177-008 PLATA ADRIAN

04-31-177-009 PLATA ADRIAN

04-31-177-010 EMERALD VENTURE CAPITAL II LLC.

04-31-177-018 PLATA ADRIAN

04-31-177-013 BROUGHTON GARRETT JR.

04-31-177-014 BROUGHTON GARRETT JR.

04-31-177-015 GREEN JASON M. & CARLY C

04-31-251-013 CHIPPENDALE PROPERTIES LLC.

04-31-251-014 NISWONGER CASSANDRA & LEVI

04-31-251-015 KRAUS ELAINE K

SIXTH STREET (R/W VARIES)

ZONE TN-1

ZONE MU-1

ANDERSON STREET (60' R/W)

04-31-180-004 CB PROPERTIES OF *

EX. SIGN

04-31-178-011 FRANKLIN CITY SCHOOLS, BOARD OF EDUCATION

04-31-178-010 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-001 FRANKLIN CITY BOARD OF EDUCATION

ZONE CV-1

04-31-178-003 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-004 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-006 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-007 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-013 FRANKLIN CITY BOARD OF EDUCATION

04-31-178-012 FRANKLIN CITY BOARD OF EDUCATION

7TH STREET (40' R/W)

ZONE TN-1

04-31-181-001 MILLER MITCHELL T

04-31-181-011 VG FAMILY PROPERTIES LLC.

04-31-181-012 VG FAMILY PROPERTIES LLC.

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11-25-24	PLANNING COMMISSION

ZONING PLAN

DATE 05-22-2024

COMM NO. 2020108.03

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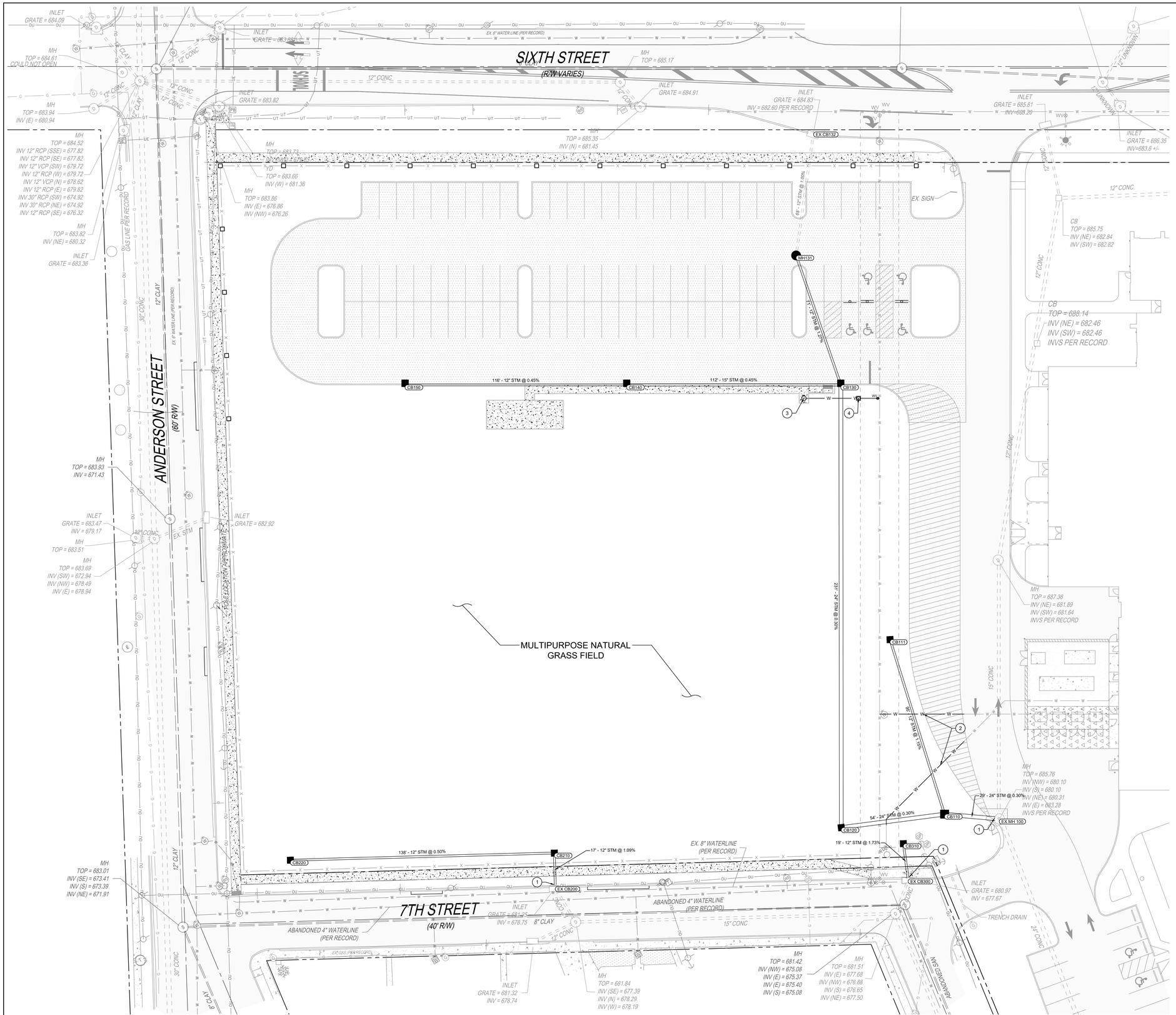

UTILITY PLAN LEGEND

- STM — STORM SEWER PIPE
- 100 — CATCH BASIN
- 100 — MANHOLE
- WAT W — WATERLINE PIPE
- WATER METER PER WARREN COUNTY STANDARD DETAIL W-10A ON SHEET C100
- WV — WATER VALVE

UTILITY PLAN CODED NOTES

1. CONNECT TO EXISTING STORM SEWER
2. REPLACE EXISTING WATER SERVICES TO HIGH SCHOOL BUILDING. MAINTAIN 18" VERTICAL CLEARANCE BELOW PROPOSED STORM SEWER.
3. HOSE BIB AND DRINKING FOUNTAIN
4. PROPOSED WATER METER PER WARREN COUNTY WATER AND SEWER STANDARD DETAIL W-10A

UTILITY PLAN GENERAL NOTES:

A. ALL CATCH BASINS SET IN PAVEMENT SHALL BE INSTALLED WITH A CONCRETE APRON AND FINGER DRAINS PER DETAIL 8/C100

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UTILITY PLAN

DATE 05-22-2024

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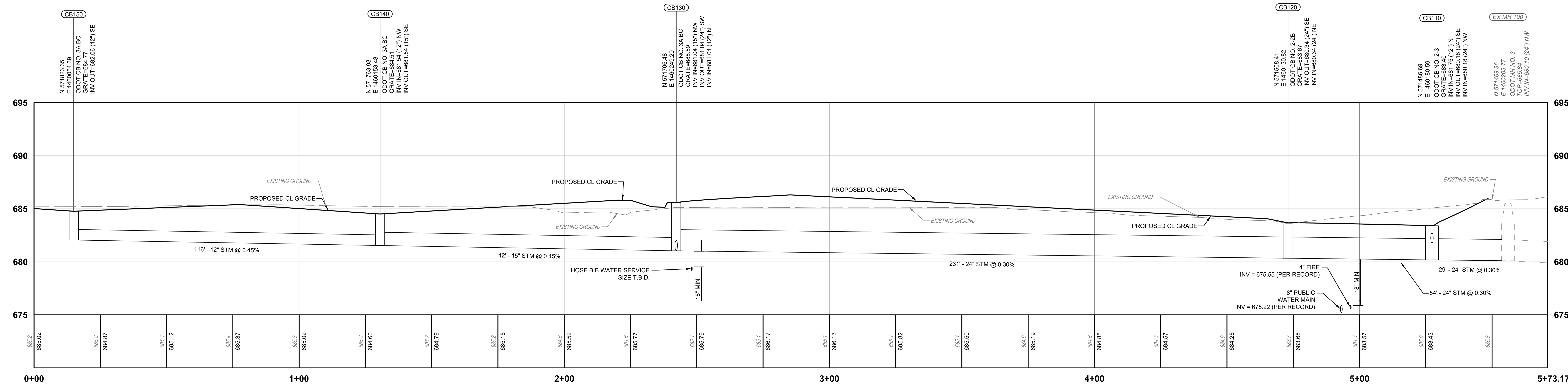

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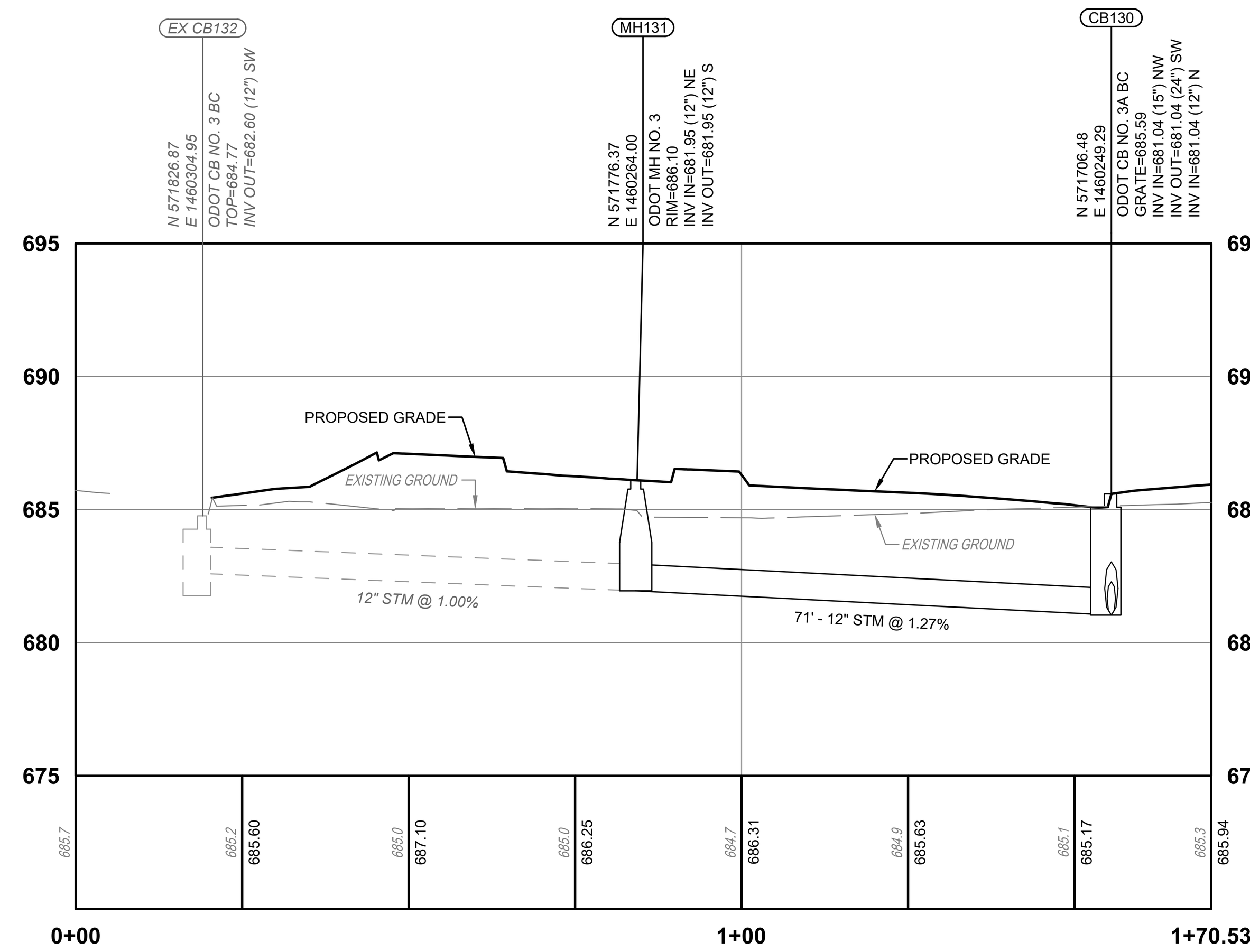

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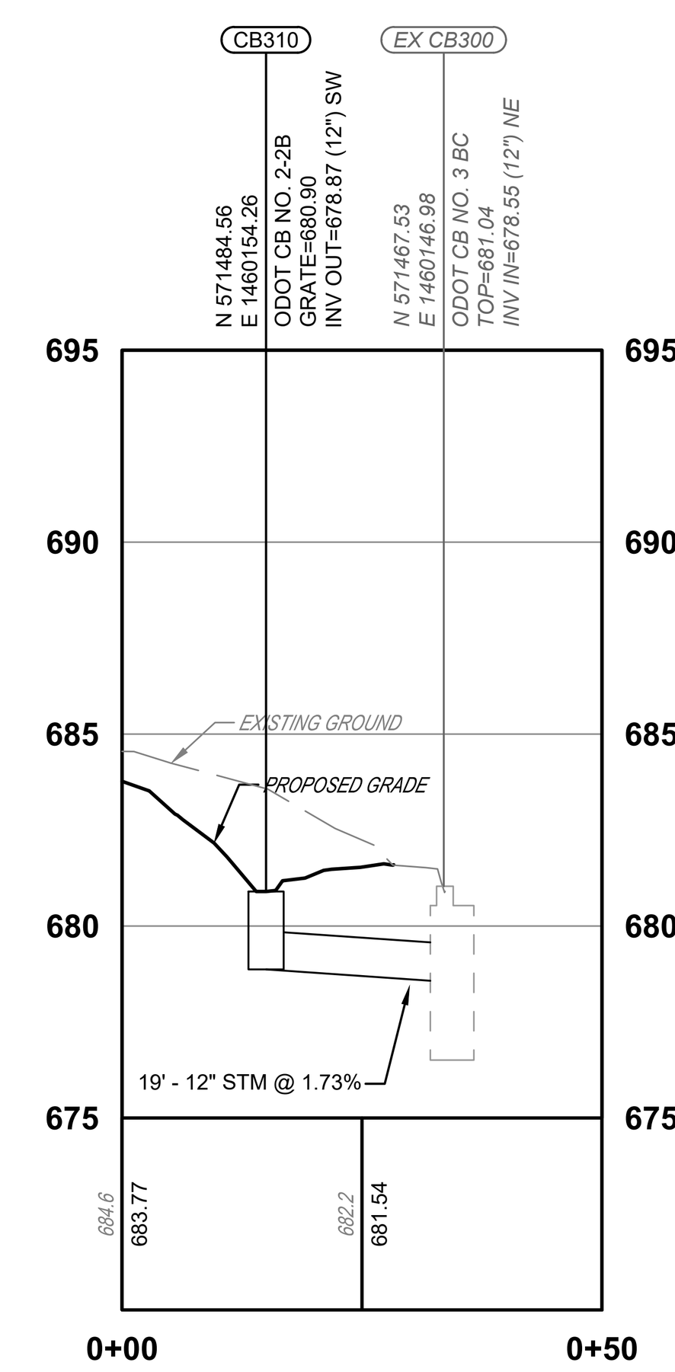

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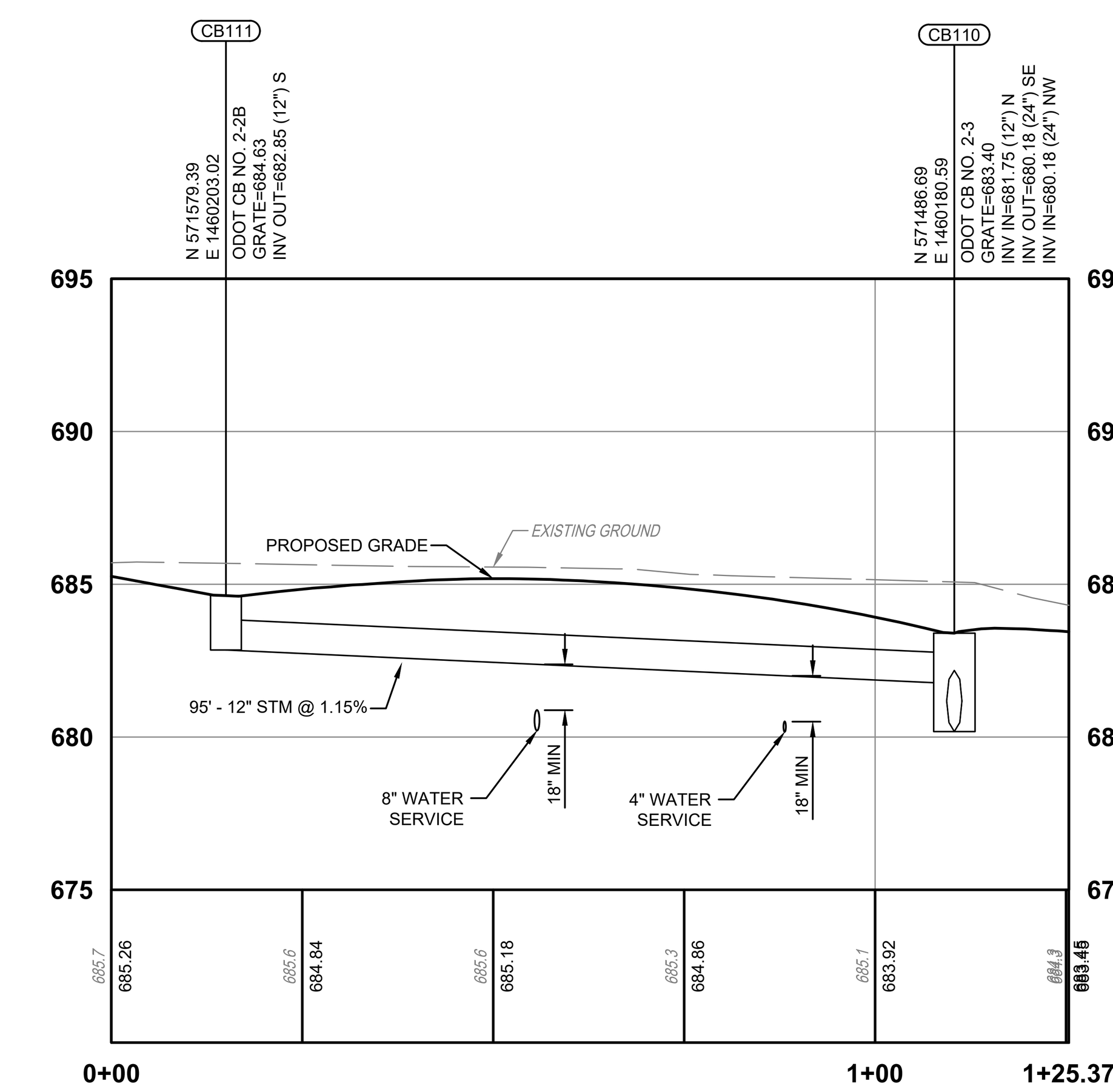

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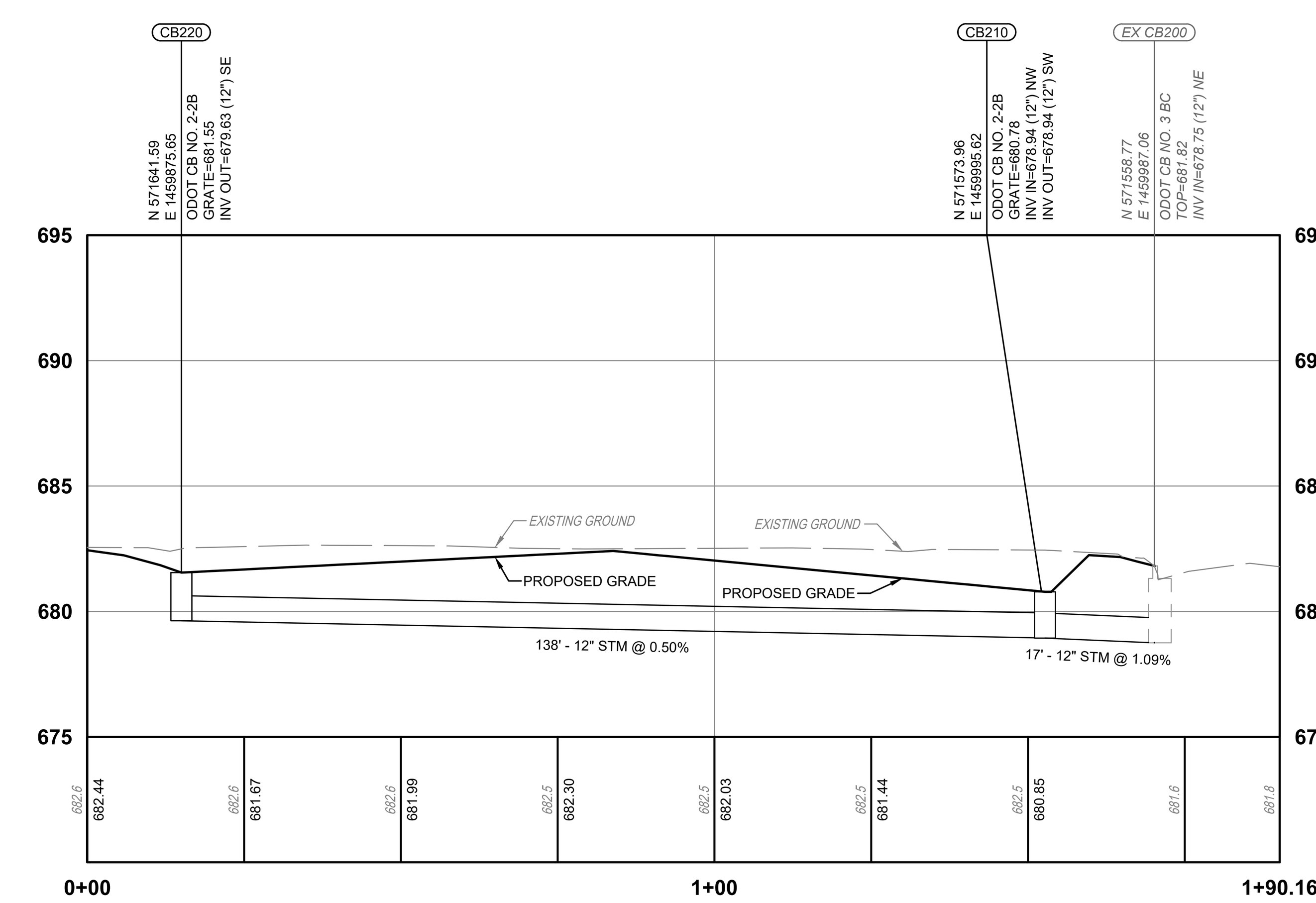

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UTILITY
PROFILES

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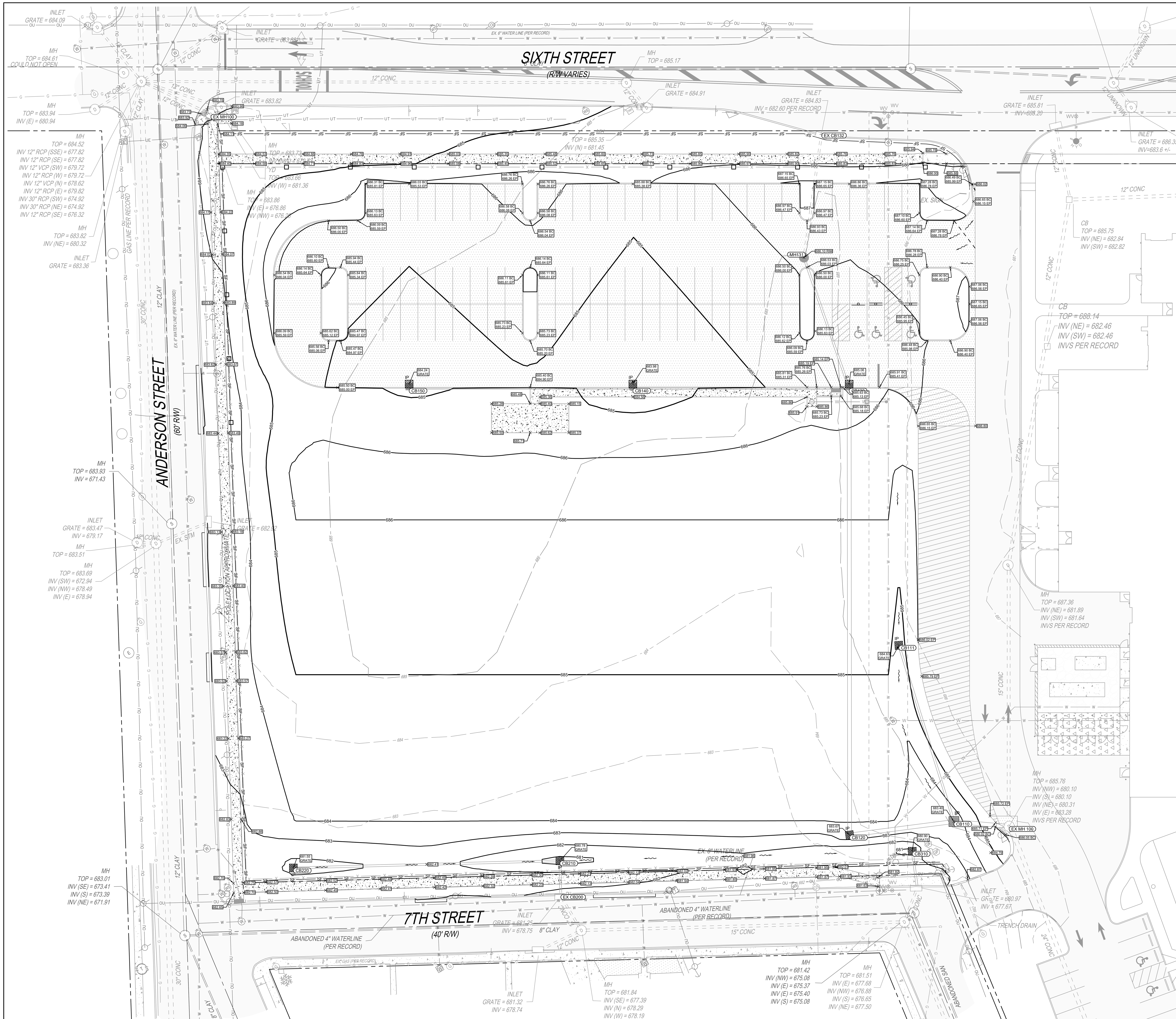

GRADING PLAN LEGEND

1215	EXISTING MAJOR CONTOUR
1216	EXISTING MINOR CONTOUR
1215	PROPOSED MAJOR CONTOUR
1216	PROPOSED MINOR CONTOUR
× 1215.00	PROPOSED SPOT ELEVATION
〰	PROPOSED SWALE
⇨	100-YEAR FLOOD ROUTE

SPOT ELEVATION LEGEND

× 1215.00	FINISHED GRADE ELEVATION
× 1215.00 BC	BACK OF CURB ELEVATION
× 1215.00 EC	EDGE OF CONCRETE ELEVATION
× 1215.00 EP	EDGE OF PAVEMENT ELEVATION
× 1215.00 RIM	MANHOLE / CLEANOUT RIM ELEVATION
× 1215.00 GRATE	CATCH BASIN GRATE ELEVATION

EROSION CONTROL LEGEND

▨ IP	INLET PROTECTION
SF	SILT FENCE

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PROJECT DATA

PROJECT DESCRIPTION
NEW PARKING LOT AND LAWN AREA. IMPROVEMENTS TO INCLUDE HARDSCAPE, UTILITIES, AND LANDSCAPING

LATITUDE:	N 39°33'22.11"
LONGITUDE:	W -84°18'10.72"
ESTIMATED CONSTRUCTION DATES:	SPRING 2025 - SUMMER 2025
TOTAL SITE AREA:	3.56 ACRES
TOTAL DISTURBED AREA:	3.56 ACRES
EXISTING IMPERVIOUS AREA:	0.60 ACRES
PROPOSED IMPERVIOUS AREA:	0.96 ACRES
TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION:	0.96 ACRES
INCREASE IN IMPERVIOUS AREA:	60%
PRE-CONSTRUCTION RUNOFF COEFFICIENT :	C=0.40
POST-CONSTRUCTION RUNOFF COEFFICIENT:	C=0.46
IMMEDIATE RECEIVING WATER/MS4:	CLEAR CREEK
ULTIMATE RECEIVING STREAM:	GREAT MIAMI RIVER
EXISTING LAND USE:	PROJECT SITE WAS FORMERLY A BUS FACILITY, RETAIL LOT, AND RESIDENTIAL PROPERTIES. THE SITE HAS BEEN DEMOLISHED AND CLEARED IN PREPARATION FOR CONSTRUCTION.
SOILS:	MnD2 - Miamian-Hennepin silt loams, 12 to 18 percent slopes, moderately eroded Rn - Ross loam, 0 to 2 percent slopes, occasionally flooded

CONSTRUCTION SEQUENCE

TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS, COORDINATION OF THE CONTRACTOR'S WORK CREWS WILL BE REQUIRED. THE EXISTING DITCHES WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION. WORK WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THESE WORK AREAS. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:

A) INSTALL EROSION CONTROL ITEMS.
B) STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.
C) INSTALL TEMPORARY DITCH CHECKS IN DOWNSTREAM END OF EXISTING DITCH WITHIN 24 HOURS FOLLOWING THE STRIPPING OPERATION.
D) IF U/G PIPE IS CALLED FOR IN THIS PORTION OF WORK AREA, PIPE CREW WILL INSTALL PIPE AS WELL AS MANHOLES.
E) AS PIPE INSTALLATION PROGRESSES, REPAIR OF THE ROADWAY WILL PROCEED BEHIND IT.
F) ANY DISTURBED OR EXPOSED AREAS SHALL BE STABILIZED PER OEPA TEMPORARY AND PERMANENT STABILIZATION REGULATIONS INCLUDING:

1. SEEDING
2. DITCH MATTING
3. INLET PROTECTION
4. MULCHING
5. WATERING

EMERGENCY ACTION & SPILL PREVENTION PLAN

THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP.

IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE, OR OTHER INDIVIDUALS AS LISTED BELOW.

TITLE	NAME	PHONE NUMBER
SITE SUPERINTENDENT		
PROJECT ENGINEER		

IMMEDIATELY AFTER NOTIFICATION, THE EMPLOYEE WILL BE DIRECTED BY THE SAFETY OFFICER, OR RESPONSIBLE PARTY TO START CONTAINMENT PROCEDURES TO PREVENT THE MATERIAL FROM REACHING THE STORM SEWERS, DRAINAGE DITCH, AND OTHER OUTLETS USING THE FOLLOWING ACTIONS OR ANY OTHER MEANS NECESSARY WITHOUT COMPROMISING WORKER SAFETY:

1) CLEAR PERSONNEL FROM THE SPILL AREA AND ROPE OFF AREA.
2) STOP THE SPILL.
3) USE SORBENT MATERIALS, PLUG PUTTY, OR HOLE PUTTY AS NECESSARY TO CONTROL THE SPILL AT THE SOURCE.
4) CONSTRUCT A TEMPORARY CONTAINMENT DIKE OF SORBENT MATERIALS OR DIRT TO CONTAIN SPILL.

SPILL KITS WILL BE LOCATED ON THE PROJECT AS DESIGNATED ON THE SWPPP PLAN.

UPON COMPLETION OF CONTAINMENT OPERATIONS, PROPER CLEAN-UP PROCEDURES WILL BE IMPLEMENTED IN ACCORDANCE WITH REGULATORY PROCEDURES.

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT:

EMERGENCY CONTACTS:

OHIO EPA EMERGENCY RESPONSE CENTER 800-282-9378 (24-HOUR PHONE NO.)

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH REVISIONS IN APRIL 2018 AND IN APRIL 2023. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OEPA "RAINWATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE ENGINEER OR THE OHIO EPA CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY EROSION CONTROL INSTALLATIONS.

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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 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

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IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPPED AREAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 1)

TABLE 1: 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
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, 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 FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
3) SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
4) WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	PER 1,000 SQ FT	PER ACRE
PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 POUNDS 40 POUNDS 40 POUNDS
SMALL GRAIN STRAW	90 POUNDS	2 TONS
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			•	•	•	*	*	*	•	•		
DORMANT SEEDING	•	•	•							•	•	•
TEMPORARY SEEDING			•	•	•	*	*	*	•	•		
SODDING			**	**	**	**	**	**	**			
MULCHING	•	•	•	•	•	•	•	•	•	•	•	•

* IRRIGATION NEEDED
** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

INSPECTIONS

ALL BMPS ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED, AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD. A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED;
7. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPS SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED AS PER THE ODOT CMS SECTION 108.07.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

1. VEGETATIVE COVER AND/MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING - SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3. SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

PERMITTEE

NAME
ADDRESS1
ADDRESS2
PHONE:
FAX:
CONTACT:
EMAIL:

GENERAL PERMIT: OHC000006
NPDES PERMIT: XXXXXXXX
DATE OF ISSUE: XX/XX/XXXX

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER/WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.

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FRANKLIN HS - SITE IMPROVEMENTS
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FRANKLIN CITY SCHOOLS
754 E 4th Street, Franklin, OH 45005

ISSUANCES

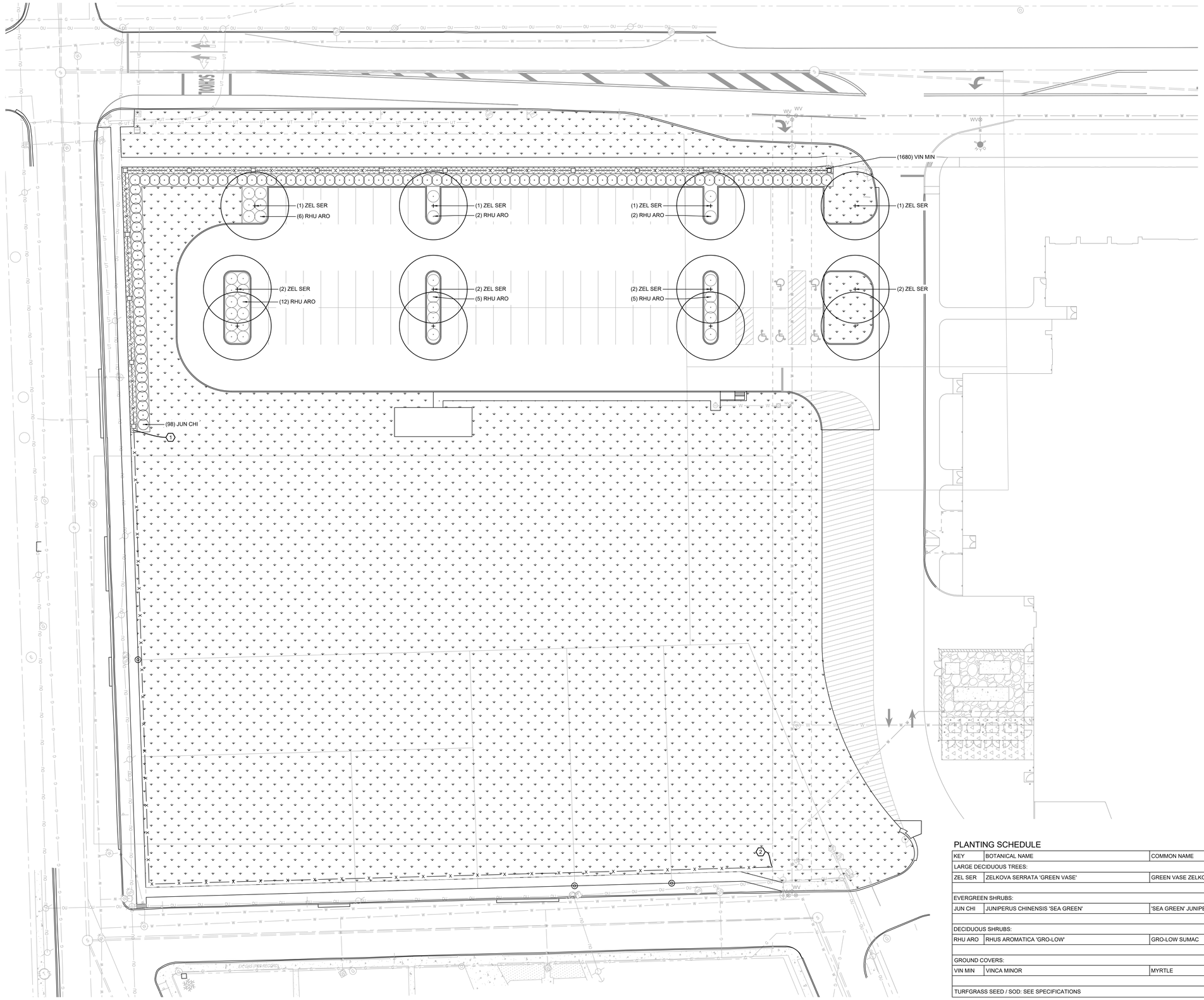
	11-06-23	DESIGN DEVELOPMENT
	03-15-24	PLANNING COMMISSION
	04-19-24	GMP
	05-22-24	PLANNING COMMISSION
	11-25-24	PLANNING COMMISSION

EROSION CONTROL NOTES & DETAILS

DATE 05-22-2024

COMM NO. 2020108.03

C160



LEGEND

PLANT MATERIALS

- TREE, DECIDUOUS SHADE, TYP.
- SHRUBS, EVERGREEN + DECIDUOUS, TYP.
- EXISTING TREES TO REMAIN, TYP. [PROTECT IN PLACE]
- PLANTING AREA, GROUND COVER, TYP.
- TURF GRASS/SOD, TYP.
- DECORATIVE METAL FENCE AND MASONRY PIER SEE DETAILS 1 & 2 , SHEET L200
- DECORATIVE METAL FENCE SEE DETAIL 3, SHEET L200

CONSTRUCTION NOTES:

1. BEGIN 4' HEIGHT FENCING
2. END 4' HEIGHT FENCING

PLANTING SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
LARGE DECIDUOUS TREES:					
ZEL SER	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	3" CAL.	B&B	SPACE PER PLAN
EVERGREEN SHRUBS:					
JUN CHI	JUNIPERUS CHINENSIS 'SEA GREEN'	'SEA GREEN' JUNIPER	30" HT. MIN.	B&B	SPACE 5' O.C.
DECIDUOUS SHRUBS:					
RHU ARO	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	18" SP. MIN.	CONT.	SPACE 6' O.C.
GROUND COVERS:					
VIN MIN	VINCA MINOR	MYRTLE	2.5 QT	CONT.	SPACE 12" O.C.
TURFGRASS SEED / SOD: SEE SPECIFICATIONS					

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REGISTERED LANDSCAPE ARCHITECT

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754 E 4th Street, Franklin, OH 45005

ISSUANCES

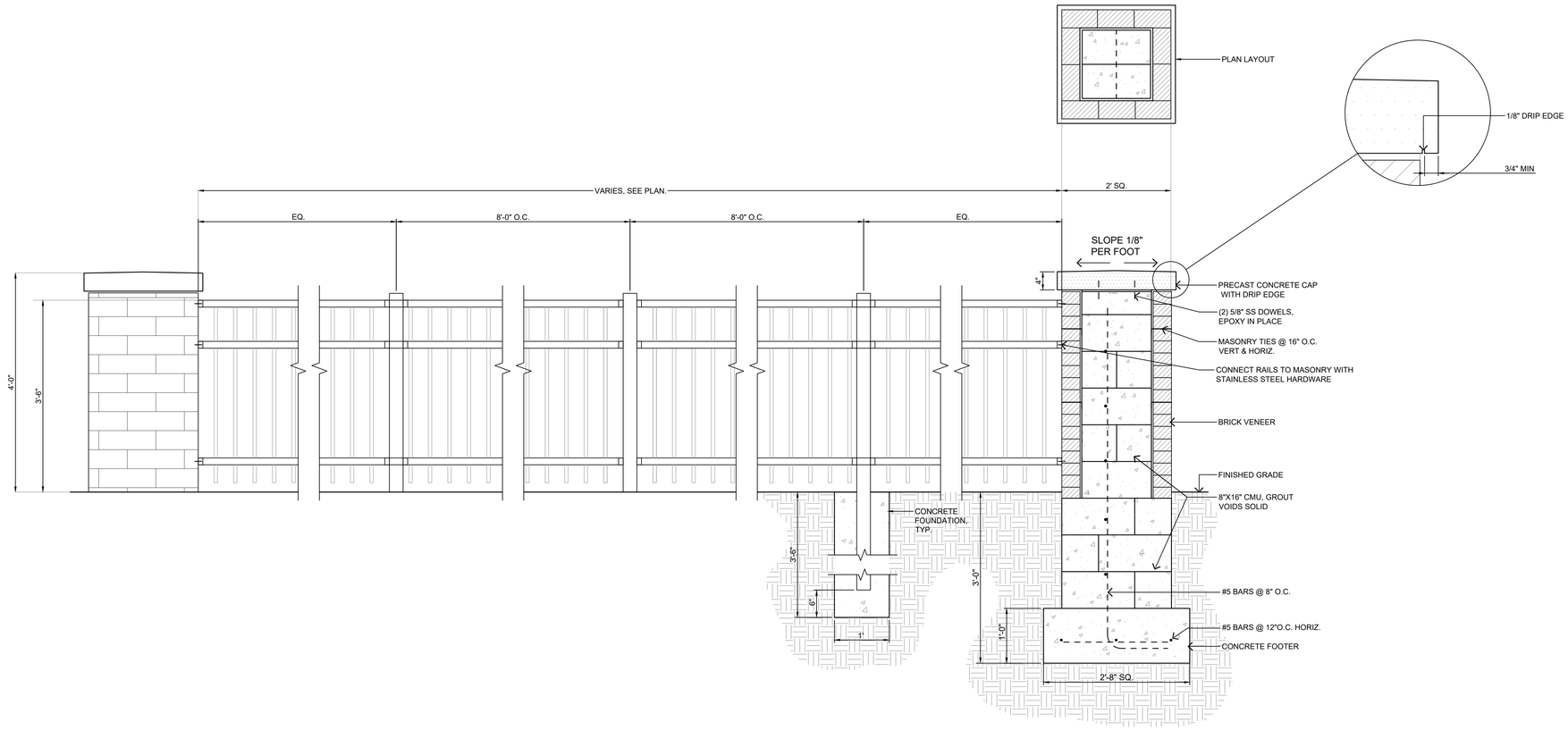
11-06-23	DESIGN DEVELOPMENT
03-15-24	PLANNING COMMISSION
04-19-24	GMP
05-22-24	PLANNING COMMISSION
11-25-24	PLANNING COMMISSION

PLANTING PLAN

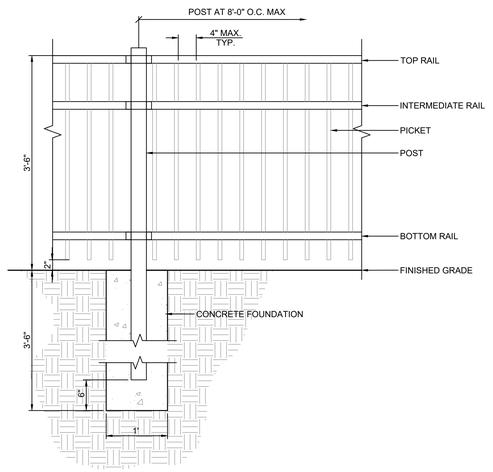
DATE 05-22-2024

COMM NO. 2020108.03

L100

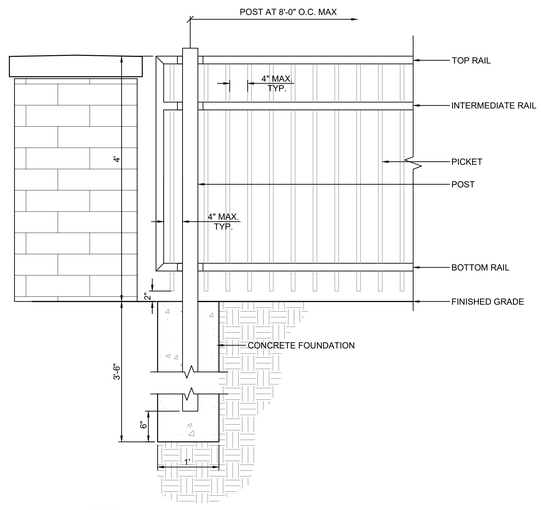


1 DECORATIVE METAL FENCE & MASONRY PIER
SCALE: 1" = 1'-0"



NOTES:
SEE SPECS FOR MANUFACTURER INFORMATION

2 3'-6" DECORATIVE METAL FENCE (WITHIN MASONRY PIERS)
SCALE: 1" = 1'-0"



NOTES:
- SEE SPECS FOR MANUFACTURER INFORMATION
- PROVIDE SHOP DRAWINGS

3 4' DECORATIVE METAL FENCE
SCALE: 1" = 1'-0"

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COLUMN + FENCING DETAILS

DATE 05-22-2024

COMM NO. 2020108.03

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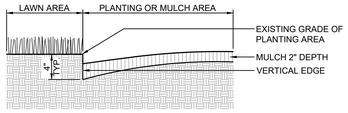
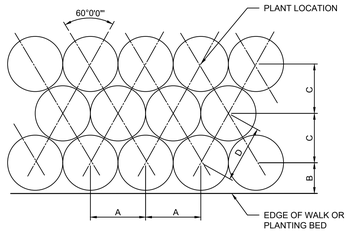


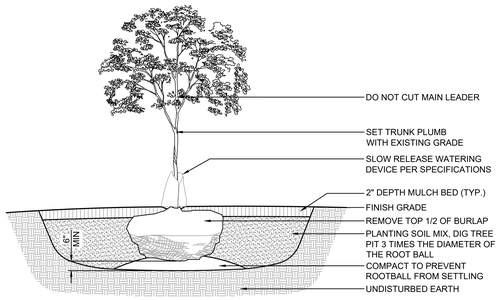
1 PLANTING BED / TREE PIT EDGING DETAIL
N.T.S.

SPACING	A	B	C	D
12"	12"	6"	10"	12"
18"	18"	8"	15	18"
24"	24"	10"	20"	24"
30"	30"	15"	25"	30"
36"	36"	18"	31"	36"
48"	48"	21"	41"	48"

A = SPACING
B = SP/2
C = SP/1.2
D = SPACING

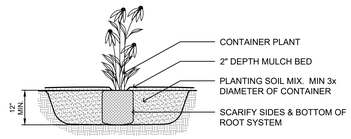


2 PLANT SPACING
N.T.S.

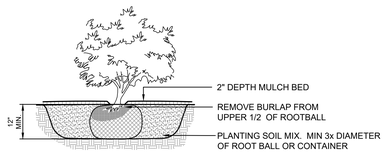


NOTES:
1. TOP OF ROOT BALL TO BE 2"-3" ABOVE ADJACENT FINISHED GRADE.
2. REMOVE ALL LABELS, TAGS, OR OTHER FOREIGN MATERIALS FROM LIMBS.
3. THE AMOUNT OF PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS DURING TRANSPLANTING. RETAIN NORMAL SHAPE OF TREE. OWNER'S REPRESENTATIVE WILL DETERMINE AMOUNT OF PRUNING NECESSARY. PLANT TREES AT SAME GRADE AS GROWN IN THE NURSERY.
4. DO NOT STAKE AND GUY TREES UNLESS NEEDED FOR STABILITY BASED ON SITE CONDITIONS OR A DIRECTED BY OWNER'S REPRESENTATIVE .
5. PROVIDE SLOW RELEASE WATERING DEVICE. ONE PER TREE. REFER TO SPECIFICATIONS.

5 DECIDUOUS TREE PLANTING
N.T.S.



3 PERENNIAL PLANTING
N.T.S.



4 SHRUB PLANTING
N.T.S.

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PLANTING DETAILS

DATE 05-22-2024

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L201

LIGHTING FIXTURE LEGEND

LIGHTING FIXTURE TAGS

- CAPITAL LETTER WITH NUMBER DENOTES FIXTURE TYPE - REFER TO LIGHT FIXTURE SCHEDULE BELOW.
- SMALL LETTER DENOTES SWITCH LEG/RELAY NUMBER - REFER TO E100 SERIES DRAWINGS FOR TYPICAL ROOM LAYOUTS.

GENERAL NOTES - LIGHT FIXTURES:

- **ALL LIGHT POLE FIXTURES ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED.**
- **INFORMATION BELOW IS FOR REFERENCE ONLY.**

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	EXISTING FIXTURE	FIXTURE BASIS OF DESIGN	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MINIMUM LUMEN OUTPUT	MIN CRI	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAXIMUM WATTAGE	MOUNTING METHOD	TYPE COMMENTS
P10HS MTG HT 1	Yes	LITHONIA DSX1	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE II MEDIUM	6800 lm	70	4000 K	LED DRIVER	277 V	55 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P20HS MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE IV MEDIUM	18000 lm	70	4000 K	LED DRIVER	277 V	140 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21 MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21T MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, TANDEM HEADS, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.

FOR INFORMATIONAL PURPOSES ONLY. NO NEW BREAKERS, LOADS, OR CIRCUITS ARE REQUIRED.

Panelboard: L10

Location: ELECTRICAL 1130 | **Volts:** 480Y/277 V | **A.I.C. Rating:** 35,000
Supply From: MP | **Phases:** 3 | **Mains Type:** MLO
Mounting: Wall Mounted | **Wires:** 4 | **Panel Rating** 100.0 A
Enclosure: NEMA 1

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	L - 1100D, 1106, 1106B-1113T	EX	20	1	2388	382					1	20	EX	L - EXTERIOR AREA A, AREA C	2
3	L - 1100C, 1100E, 1103-1105, 1106A,...	EX	20	1			1538	1526			1	20	EX	L - 1100C, 1100G, 1124-1131	4
5	L - 1114	EX	20	1					2850	2870	1	20	EX	L - 1100H, 1132, 1200F, 1234-1236	6
7	L - 1100C, 1000F, 1116-1123	EX	20	1	2029										8
9	LCP1	EX	20	1			180								10
11	L - SITE LIGHTING WEST PARKING	EX	20	1					1040						12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37	Spare	EX	20	1	0	0					1	20	EX	Spare	38
39	Spare	EX	20	1			0	0			1	20	EX	Spare	40
41	Spare	EX	20	1					0	0	1	20	EX	Spare	42
			Total Load:		4799 VA		3244 VA		6760 VA						
			Total Amps:		18.2 A		11.7 A		25.3 A						

L = LIGHTS	**Panel Totals**
R = RECEPTACLES	
M = MECHANICAL EQUIPMENT	**Total Conn. Load:** 14803 VA
P = PLUMBING EQUIPMENT	**Total Est. Demand:** 14803 VA
	Total Conn. Current: 17.8 A
	Total Est. Demand Current: 17.8 A

Notes:
EXISTING PANEL

WIRING METHODS SCHEDULE

APPLICATION		LOCATION	ALLOWABLE CONDUIT AND RACEWAY TYPE	OUTLET BOXES	CONDUIT BODIES	ENCLOSURE TYPE	FASTENERS/ SUPPORTS	CONDUIT AND RACEWAY NOTES:
EXTERIOR APPLICATIONS	BELOW GRADE	FEEDERS	RNC	MINIMUM SIZE 1"C				-MINIMUM SIZE 1"C -DO NOT ROUTE BRANCH CIRCUITS UNDER SLAB UNLESS OTHERWISE NOTED ON THE PLANS.
		BRANCH CIRCUITS	RNC					
	ABOVE GRADE	ALL OTHER LOCATIONS	IMC AND RSC	GALVANIZED MALLEABLE IRON	GALVANIZED MALLEABLE IRON	NEMA 3R	GALVANIZED	-CONDUIT SHALL ENTER FROM SIDE OR BOTTOM WHERE PRACTICAL. -PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

NOTES:
A) UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. UNLESS OTHERWISE INDICATED ON DRAWINGS, TREAT ALL OTHER SPACES AS FINISHED SPACES.

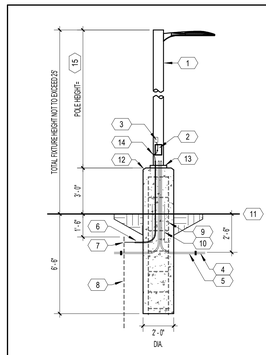
B) CONDUITS FOR BRANCH CIRCUITS NOT PERMITED UNDER SLAB, UNLESS OTHERWISE INDICATED ON DRAWINGS.

CONDUCTOR AND CONDUIT COLOR CODING

APPLICATION	COLOR
PHASE A CONDUCTOR	BROWN (480V), BLACK (208V)
PHASE B CONDUCTOR	ORANGE (480V), RED (208V)
PHASE C CONDUCTOR	YELLOW (480V), BLUE (208V)
NEUTRAL CONDUCTOR	GREY (480V), WHITE (208V)
GROUND CONDUCTOR	GREEN
CONTROL CONDUCTOR, 120V	RED
CONTROL CONDUCTOR, NEU	WHITE
CONTROL CONDUCTOR, 24V	BLUE
CONTROL CONDUCTOR, EXTERNAL SOURCE	YELLOW

ABBREVIATIONS:

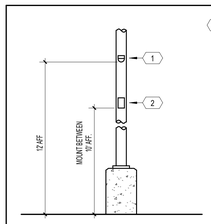
CA	CAST ALUMINUM
EMT	ELECTRICAL METALLIC TUBING
GALV	GALVANIZED
GMI	GALVANIZED MALLEABLE IRON
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHORIDE, SCHEDULE 40
SM	SHEET METAL



DETAIL NOTES:

1. REFER TO LUMINARIE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY
2. HANDHOLE: MINIMUM 2"x4"
3. LIGHTNING ARRESTOR
4. PVC CONDUIT, SCHEDULE 40
5. RIGID GALVANIZED STEEL CONDUIT
6. 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #2 GROUND CONDUCTOR
7. CADWELD GROUND WIRE TO GROUND ROD
8. 1/2" x 10' LG GROUND ROD
9. #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.
10. ANCHOR BOLTS BY POLE SUPPLIER - WELD TO REBAR
11. FINISH GRADE, COMPACT TO 95%
12. CHAMFERED EDGE OF CONCRETE BASE
13. BASE PLATE, LEVELING NUTS, GROUT BASE
14. BOND POLE TO #2 BARE GROUND WIRE
15. REFER TO LIGHTING FIXTURE SCHEDULE FOR POLE HEIGHTS.

1 / E010 LIGHT POLE BASE DETAIL



DETAIL NOTES:

1. EXTERIOR SECURITY CAMERA. REFER TO SPECS.
2. NEMA RATED ENCLOSURE FOR EQUIPMENT CONNECTIONS.

2 / E010 POLE MOUNTED TECHNOLOGY DEVICE

"0-1" REFERENCE LINE"

26-ELECTRICAL SHEET LIST - SITE IMPROVEMENT

SHEET NUMBER	SHEET NAME
E010	ELECTRICAL LEGENDS
E710	ELECTRICAL SITE IMPROVEMENT PLANS
E711	ELECTRICAL SITE IMPROVEMENT ZONING PLAN

DRAFTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
X	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
2 / E501	DETAIL CALLOUT REFER TO DETAIL 2 ON SHEET E501

TECHNOLOGY SYMBOL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	PAN / TILT / ZOOM SECURITY CAMERA WALL MOUNT	*MOUNT AS SHOWN BELOW UNLESS OTHERWISE NOTED* EXTERIOR - 12'-0" AFF

WIRING DEVICE LEGEND

J INDICATES DEVICE DESIGNATION (IF USED)

J / *JUNCTION BOX*	EV	ELECTRIC VECHICLE SERVICE EQUIPMENT

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SAMUEL H. BOHMAN
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ELECTRICAL LEGENDS

COMM NO. 2020108.03

E010

DEMOLITION DRAWING NOTES

A. DRAWING IS BASED ON FIELD OBSERVATIONS AND EXISTING DRAWINGS. NOTIFY CM OF DISCREPANCIES DUE TO ACTUAL FIELD CONDITIONS BEFORE PROCEEDING.

B. FIXTURES, DEVICES, AND EQUIPMENT DENOTED BY BOLD, DASHED LINE TYPE OR LABELLED BY ED GENERALLY INDICATES EQUIPMENT TO BE DEMOLISHED. REFER TO DRAWING NOTES AND KEYNOTES FOR FULL EXTENT OF ASSOCIATED DEMOLITION WORK AND ITEMS TO REMAIN. UNLESS OTHERWISE NOTED, REMOVE WIRING BACK TO ABOVE FINISHED CEILING. MAINTAIN CIRCUITS FOR CONNECTION TO NEW DEVICES.

GENERAL NOTES - SITE PLAN

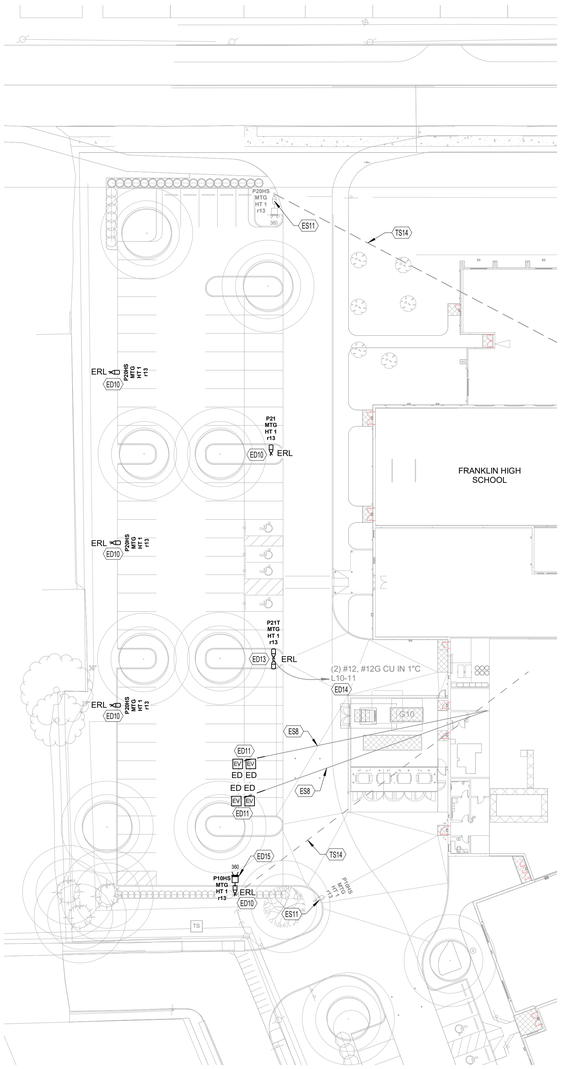
A. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

B. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

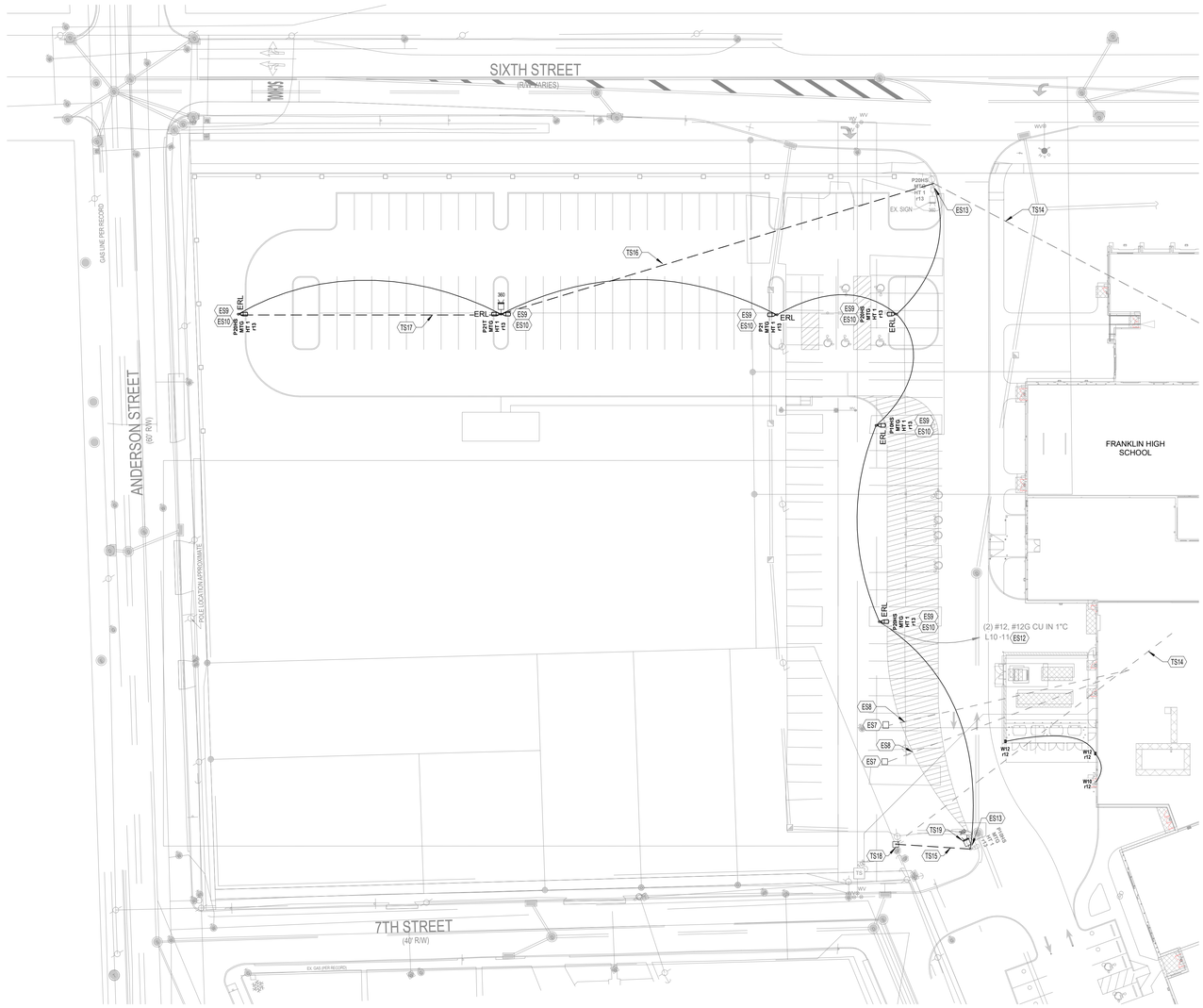
C. COORDINATE PHASING AND SCHEDULING OF ALL SITE WORK WITH CONSTRUCTION MANAGER.

KEYNOTES

ED10	DISCONNECT AND PREPARE LIGHT POLE FIXTURE, ALL ASSOCIATED MOUNTING HARDWARE, AND ALL OTHER COMPONENTS NECESSARY FOR REINSTALLATION AND PREPARE FOR STORAGE. DISCONNECT AND REMOVE BRANCH CIRCUIT BACK TO LAST ACTIVE LIGHT POLE FIXTURE. DEMOLISH CONCRETE POLE BASE.
ED11	DEMOLISH EVSE CONCRETE BASE. MAINTAIN THE REST OF THE CONDUIT AND PULL STRINGS FOR EXTENSION.
ED13	DISCONNECT AND PREPARE LIGHT POLE FIXTURE, ALL ASSOCIATED MOUNTING HARDWARE, AND ALL OTHER COMPONENTS NECESSARY FOR REINSTALLATION AND PREPARE FOR STORAGE. DEMOLISH CONCRETE POLE BASE.
ED14	MAINTAIN BRANCH CIRCUIT CONDUIT AND WIRING HOMERUN BACK TO PANELBOARD L10.
ED15	REMOVE EXISTING TECHNOLOGY INFRASTRUCTURE AND EQUIPMENT AND PREPARE FOR RELOCATION TO ADJACENT EXISTING TO REMAIN POLE.
ES7	PROVIDE ELECTRICAL QUAZITE BOX TO MAINTAIN EXISTING CONDUIT FOR FUTURE USE.
ES8	EXTEND FROM EXISTING UNDERGROUND CONDUIT TERMINATION POINT WITH NEW CONDUIT TO LOCATION INDICATED. NEW CONDUIT SHALL MATCH EXISTING. PROVIDE NEW PULLSTRING FOR FULL LENGTH.
ES9	PROVIDE NEW CONCRETE BASE FOR THE RELOCATED LIGHT POLE. REFER TO DETAIL 1/E010 FOR ADDITIONAL REQUIREMENTS.
ES10	PROVIDE NEW UNDERGROUND CONDUIT AND WIRING TO RELOCATED LIGHT POLE LOCATION. NEW CONDUIT AND WIRING SHALL MATCH EXISTING.
ES11	EXISTING LIGHT POLE FIXTURE AND 1" UNDERGROUND CONDUIT SHALL REMAIN. PREPARE EXISTING UNDERGROUND BRANCH CIRCUIT FOR INTERCEPTION OF NEW BRANCH CIRCUIT.
ES12	UTILIZE EXISTING CONDUIT AND WIRING HOMERUN BACK TO PANELBOARD L10.
ES13	PROVIDE NEW UNDERGROUND CONDUIT AND WIRING TO EXISTING LIGHT POLE AS REQUIRED. NEW CONDUIT AND WIRING SHALL MATCH EXISTING.
TS14	EXISTING 1" UNDERGROUND TECHNOLOGY CONDUIT FOR SECURITY CAMERA SHALL REMAIN.
TS15	PROVIDE NEW 1" UNDERGROUND TECHNOLOGY CONDUIT AND WIRING FROM DEMOLISHED LIGHT POLE LOCATION FOR RELOCATED SECURITY CAMERA.
TS16	PROVIDE NEW 1" UNDERGROUND TECHNOLOGY CONDUIT AND WIRING FROM EXISTING SECURITY CAMERA TO NEW SECURITY CAMERA.
TS17	EXTEND 1" UNDERGROUND TECHNOLOGY CONDUIT FOR FUTURE SECURITY CAMERA LOCATION.
TS18	PROVIDE QUAZITE BOX FOR TECHNOLOGY CONDUIT.
TS19	INSTALL PREVIOUSLY PROCURED SITE SECURITY CAMERA ONTO EXISTING LIGHT POLE.



1 E710 ELECTRICAL SITE IMPROVEMENT DEMOLITION PLAN
1" = 30'-0"



2 E710 ELECTRICAL SITE IMPROVEMENT PLAN
1" = 30'-0"

STATE OF OHIO
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ELECTRICAL SITE IMPROVEMENT PLANS

COMM NO. 2020108.03

E710

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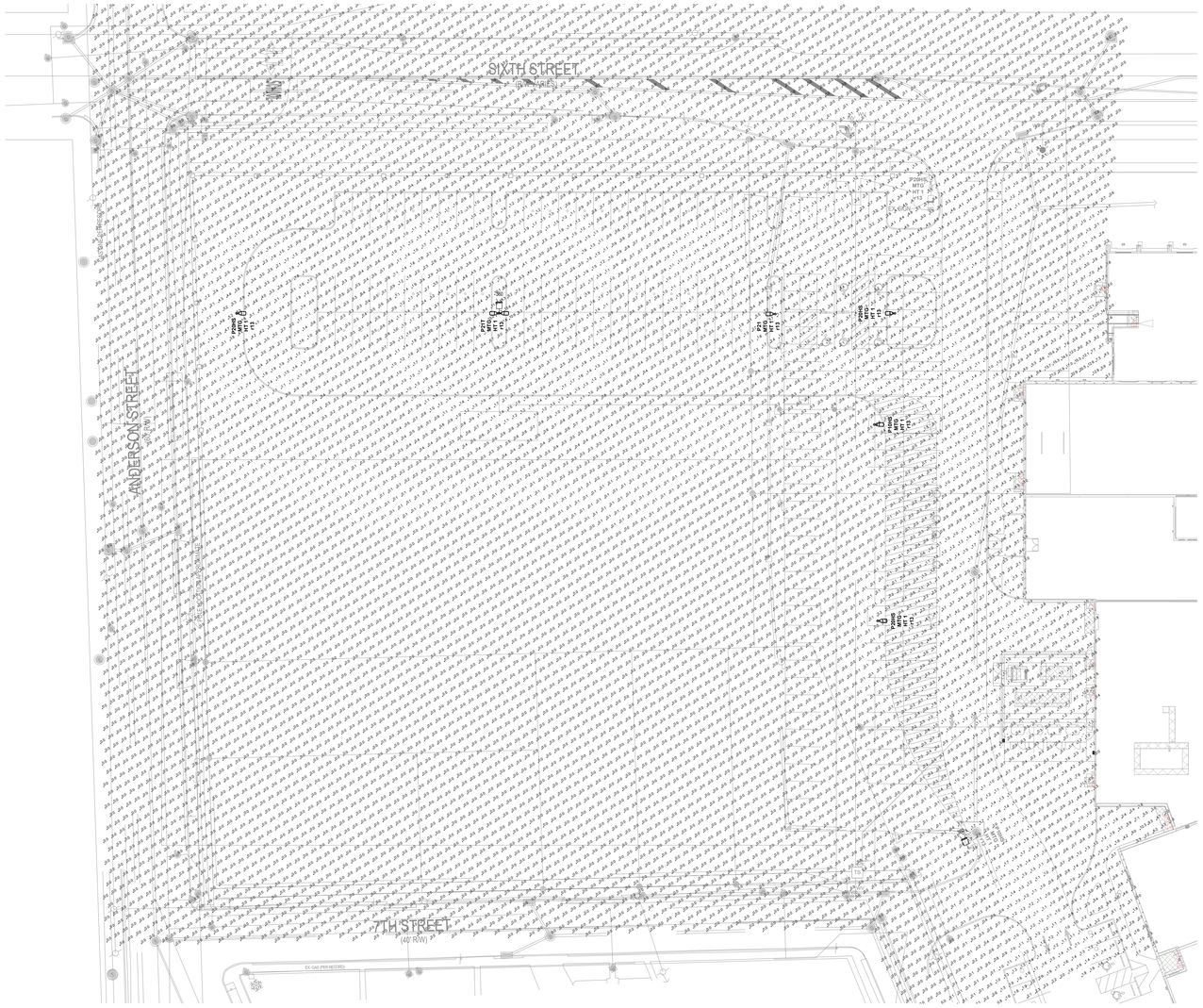
0"-1" REFERENCE LINE

LIGHT FIXTURE SCHEDULE													
FIXTURE TYPE	EXISTING FIXTURE	FIXTURE BASIS OF DESIGN	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MINIMUM LUMEN OUTPUT	MIN CRI	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAXIMUM WATTAGE	MOUNTING METHOD	TYPE COMMENTS
P10HS MTG HT 1	Yes	LITHONIA DSX1	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE II MEDIUM	6800 lm	70	4000 K	LED DRIVER	277 V	55 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P20HS MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE IV MEDIUM	18000 lm	70	4000 K	LED DRIVER	277 V	140 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21 MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21T MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, TANDEM HEADS, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.



1 / E711 ELECTRICAL SITE IMPROVEMENT ZONING PLAN
1" = 30'-0"

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SAMUEL H. BOHMAN
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FRANKLIN HS - SITE IMPROVEMENTS
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FRANKLIN CITY SCHOOLS
754 E 4th Street, Franklin, OH 45005

ISSUANCES	
03-15-24	PLANNING COMMISSION
05-22-24	PLANNING COMMISSION [5/12]
11-25-24	PLANNING COMMISSION

ELECTRICAL SITE IMPROVEMENT ZONING PLAN

COMM NO. 2020108.03

E711

0'-1" REFERENCE LINE