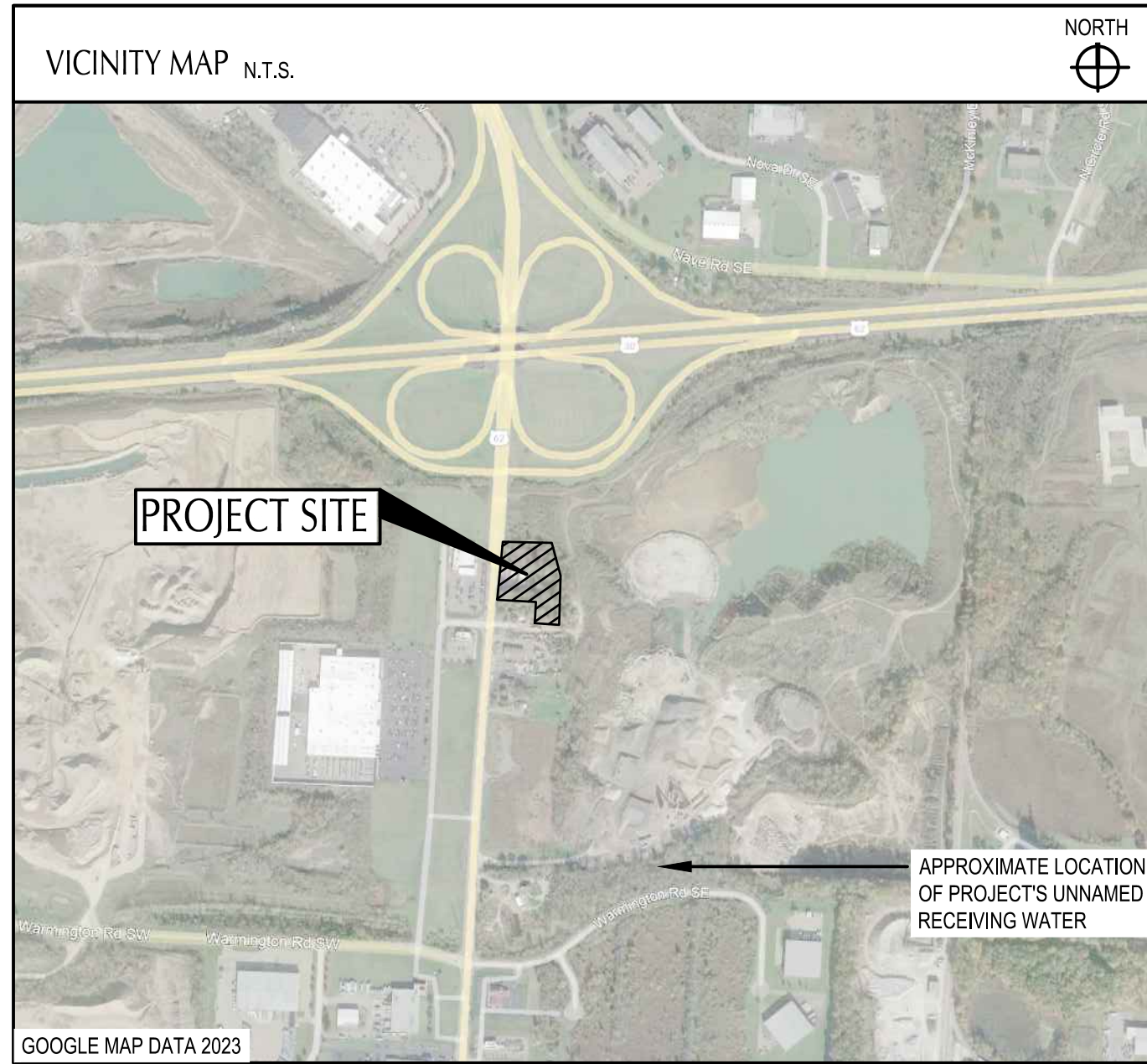
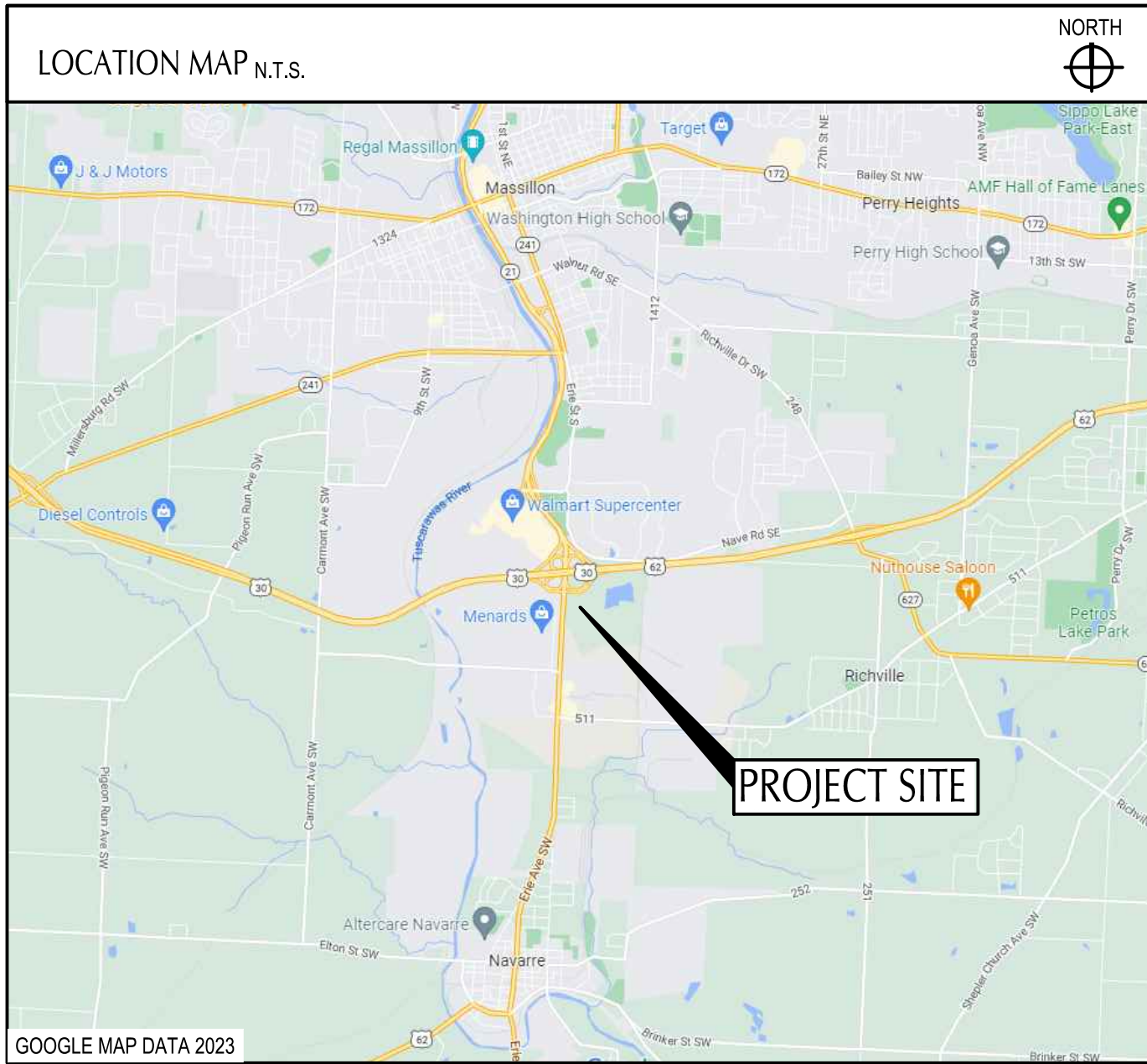


FINAL DEVELOPMENT PLANS

SHEETZ STORE

3544 ERIE AVENUE SW
MASSILLON (PERRY TOWNSHIP), OH 44646
FEBRUARY 2023



UTILITY CONTACT INFO	
STORM SEWER STARK COUNTY SUBDIVISION ENGINEER ATTN: CURTIS BUNGARD 201 3RD STREET NE CANTON, OH 44702 P: 330.451.7366 F: 330.451.7990 CDBUNGARD@STARKCOUNTYOHI.OV	SANITARY SEWER STARK COUNTY SANITARY ENGINEERS ATTN: TOM DAVIS 1701 MAHONING ROAD NE, P.O. BOX 9972 CANTON, OH 44711-0972 P: 330.451.2335 TBDAVIS@STARKCOUNTYOHI.OV
WATER AQUA AMERICA ATTN: DONALD SYNDER 870 3RD STREET NW MASSILLON, OH 44647 P: 330.832.5764 ext. 50666 DLSNYDER@AQUAAMERICA.COM	ELECTRIC OHIO EDISON ATTN: CHAD UHLMAN 2600 S. ERIE STREET MASSILLON, OH 44646 P: 330.301.6316 CUHLMAN@FIRSTENERGYCORP.COM
GAS - MAIN LINE/STORE SERVICE DOMINION ENERGY ATTN: ADAM KEARNS 320 SPRINGFIELD DRIVE AKRON, OH 44333 P: 330.620.9127 ADAM.J.KEARNS@DOMINIONENERGY.COM	GAS - PRIVATE DISTRIBUTION SOUND ENERGY COMPANY, INC. ATTN: TYLER LEVENGOOD P: 330.260.0788 TYLER@SOUNDENERGYOIL.COM
TELEPHONE AT&T ATTN: STEVE HYLTON 50 W. BOWERY STREET, 4TH FLOOR AKRON, OH 44308 P: 330.631.7485 SH1513@ATT.COM	SHEETZ SWPP CONTACT STEVE AUGUSTINE 5700 SIXTH AVENUE ALTOONA, PA P: 814.946.3611 F: 814.941.5105 SAUGUSTINE@SHEETZ.COM

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PLAN REPRODUCTION WARNING
THE PLANS HAVE BEEN PREPARED
FOR PRINTING ON ARCH D (24" x 36")
SHEETS. PRINTING ON OTHER SIZE
SHEETS MAY DISTORT SCALES.
REFER TO GRAPHIC SCALES.



REV.	DATE	DESCRIPTION



SHEETZ STORE 3544 ERIE AVE SW MASSILLON (PERRY TOWNSHIP), OH 44646	TITLE SHEET
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ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

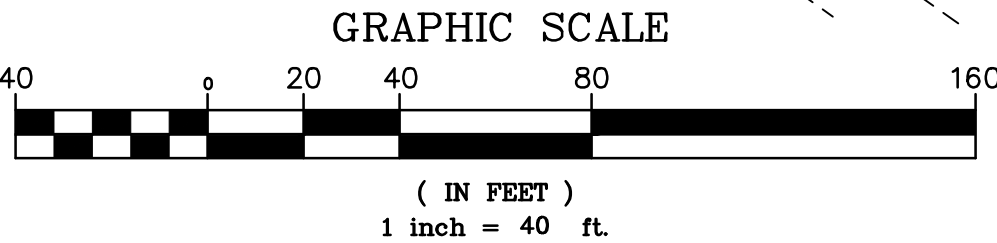
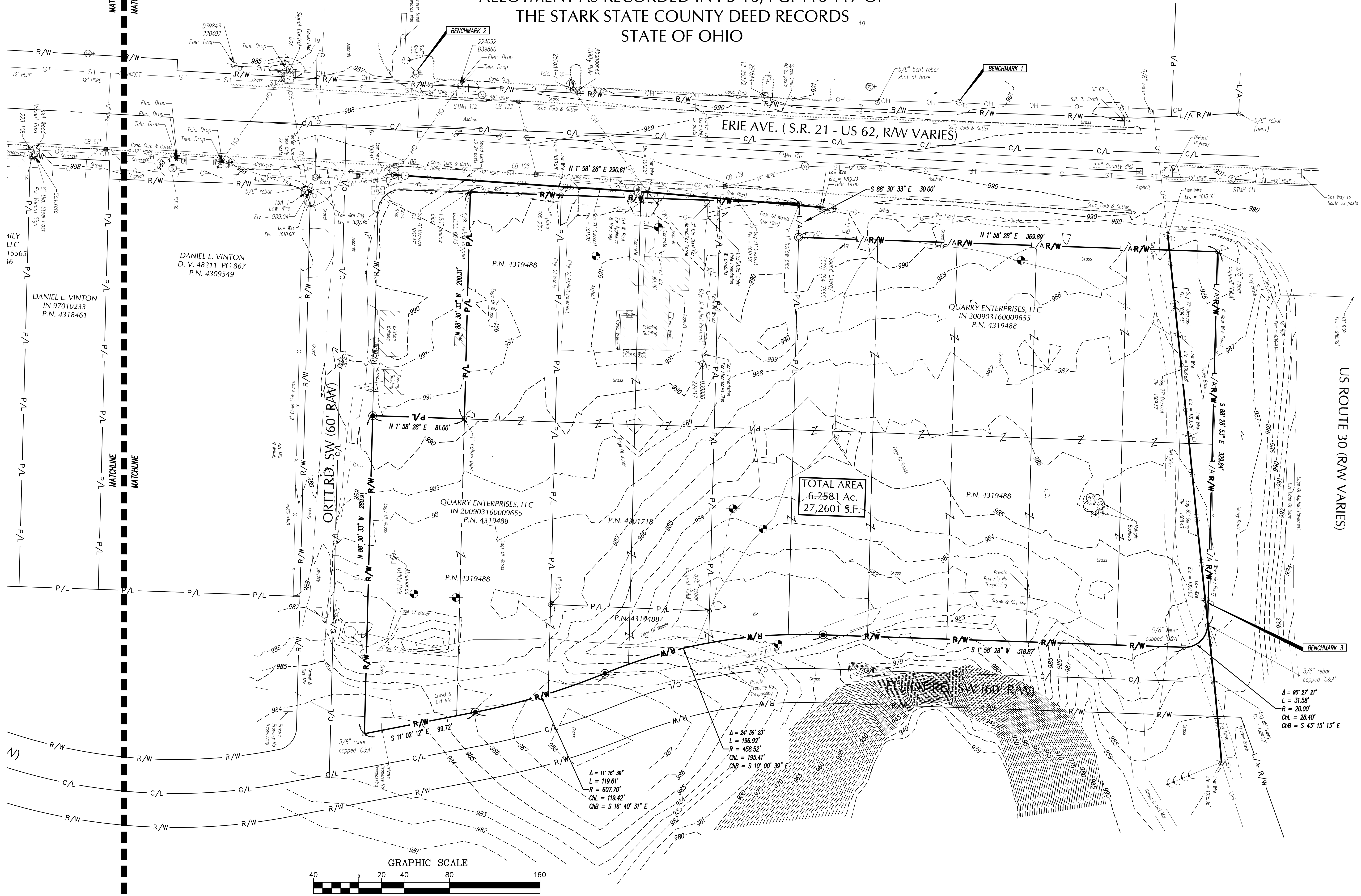
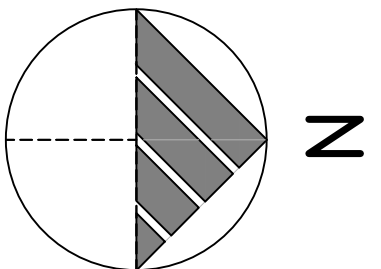
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO. 2020117.09

T-001

BOUNDARY & TOPOGRAPHIC SURVEY
TOWNSHIP OF PERRY/ COUNTY OF STARK
NORTHEAST QUARTER OF SEC. 29, RIDGEWOOD
ALLOTMENT AS RECORDED IN PB 16, PG. 116-117 OF
THE STARK STATE COUNTY DEED RECORDS
STATE OF OHIO

BASIS OF BEARING:
STATE PLANE GRID NORTH, NAD 83 (2011),
OHIO NORTH ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18.
TIED BY GPS TO THE OHIO REAL TIME NETWORK.



REV.	DATE	DESCRIPTION

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

ISSUED FOR:
PERMIT
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CONSTRUCTION
RECORD

PROJECT MANAGER	DESIGNER
SLM	JP

JOB NO.
2020096.04

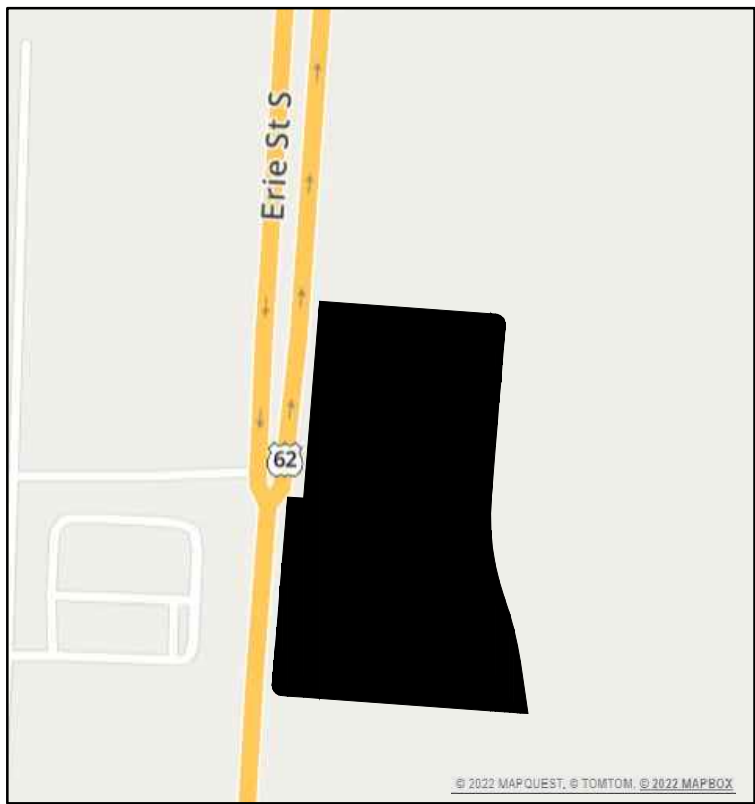
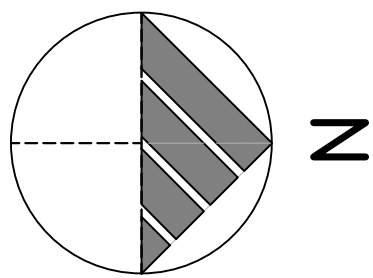
BOUNDARY & TOPOGRAPHIC SURVEY

LEGEND:

- EXISTING IRON PIN FOUND AS NOTED
- EXISTING MONUMENT BOX FOUND AS NOTED
- 5/8" x 30" REBAR WITH CAP "GPD" SET
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING POWER & TELEPHONE POLE
- EXISTING POWER, TELEPHONE & LIGHT POLE
- EXISTING UNKNOWN POLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC PULLBOX
- EXISTING SIGNAL POLE
- EXISTING CATCH BASIN
- EXISTING CURB INLET
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER SERVICE VALVE
- EXISTING GAS METER
- EXISTING UNDERGROUND GAS LINE MARKER
- EXISTING GAS VENT
- EXISTING TELEPHONE MANHOLE
- EXISTING POST OR BOLLARD
- EXISTING SIGN
- EXISTING GUY WIRE
- EXISTING MAIL BOX
- EXISTING CURB
- P/L — EXISTING PROPERTY LINE
- R/W — EXISTING RIGHT OF WAY LINE
- L/A R/W — EXISTING LIMITED ACCESS RIGHT OF WAY LINE
- C/L — EXISTING CENTER LINE
- OH — EXISTING OVERHEAD UTILITY LINES
- G — EXISTING UNDERGROUND GAS LINES
- ST — EXISTING UNDERGROUND STORM LINES
- SAN — EXISTING UNDERGROUND SANITARY LINES
- W — EXISTING UNDERGROUND WATER LINES
- T — EXISTING UNDERGROUND TELEPHONE LINES

BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18.
TIED BY GPS TO THE OHIO REAL TIME NETWORK.



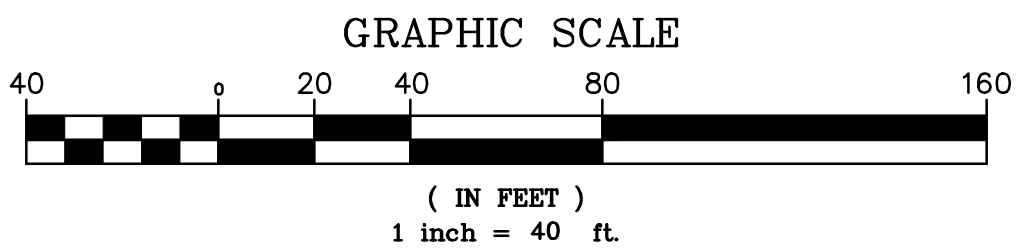
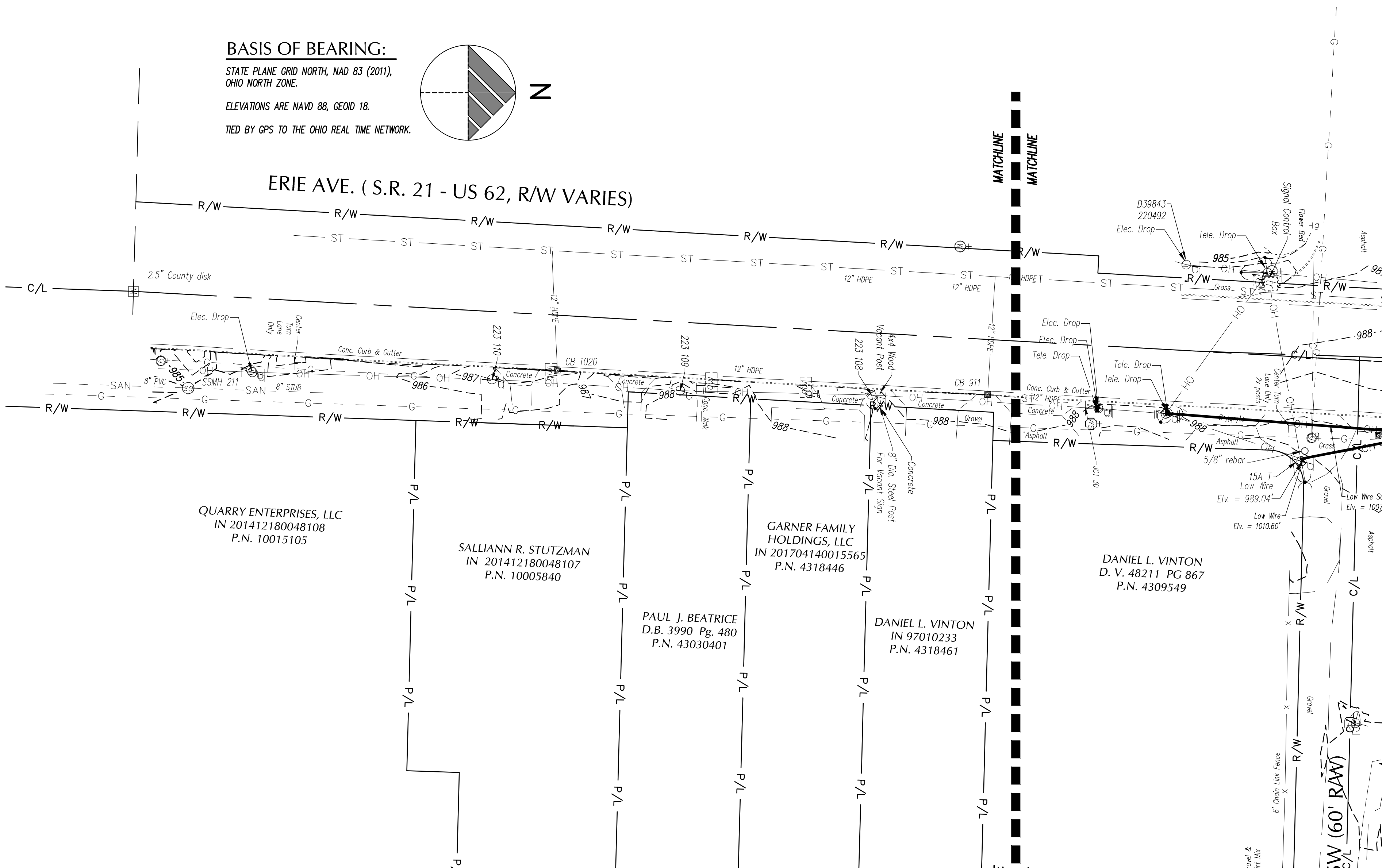
LOCATION MAP

BENCHMARKS:

- 1. BENCH SPIKE EAST SIDE OF UTILITY POLE
N 399198
E 2240971
ELEV. = 992.20
- 2. NORTH WEST BONNET BOLT BETWEEN MUE & LLER
N 398718
E 2240943
ELEV. = 988.90
- 3. RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE
N 399415
E 2241410
ELEV. = 986.48

INVERTS:

- CB 104 T/C = 988.04
SILTED
- CB 106 T/C = 987.60
12" HDPE (N) = 982.70
12" HDPE (S) = 983.00
- CB 108 T/C = 988.02
12" HDPE (N) = 982.92
12" HDPE (S) = 982.12
18" HDPE (SW) = 981.62
- CB 109 T/C = 988.64
12" HDPE (N) = 983.74
12" HDPE (S) = 983.64
- STMH 110 T/C = 989.58
12" HDPE (N) = 983.83
12" HDPE (S) = 983.83
- STMH 111 T/C = 991.01
12" HDPE (N) = 985.41
15" HDPE (S) = 985.61
- STMH 112 T/C = 988.65
18" HDPE (N) = 980.95
24" HDPE (S) = 980.75
- CB 122 T/C = 987.94
18" HDPE (NE) = 981.09
18" HDPE (S) = 981.04
- SSMH 211 T/C = 985.01
8" PVC (S) = 977.81
8" STUB (N) = 977.81
- CB 911 T/C = 986.71
12" HDPE (N) = 982.71
12" HDPE (W) = 986.71
- CB 1020 T/C = 985.28
12" HDPE (W) = 981.08



1-800-362-2764 or 811

UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OURS REQUEST #A220804584.

REV.	DATE	DESCRIPTION

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

ISSUED FOR:
PERMIT
BID
CONSTRUCTION
RECORD

PROJECT MANAGER	DESIGNER
SLM	JP

JOB NO.
2020096.04

2 OF 2

DEMOLITION NOTES

SHEETZ DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.

2. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT, AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.

3. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND DO NOT INCLUDE MECHANICAL, ELECTRICAL, AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

4. ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF NEW CONSTRUCTION SHALL BE RAZED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET, ARCHITECTURAL PLANS AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS, AND FOOTINGS.

5. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

6. ALL UTILITY REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

7. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.

8. UTILITY CONTACTS ARE LISTED ON THE TITLE SHEET T-001.

9. EROSION AND SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION ACTIVITIES. REFER TO SWPP PLANS FOR DETAILS.

10. ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.

11. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.

12. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.

13. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH ODOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.

14. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION ACTIVITIES.

15. DEMOLITION CONTRACTOR SHALL COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE SHEETZ CONSTRUCTION REPRESENTATIVE A MINIMUM 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES.

ADDITIONAL DEMOLITION NOTES - SHEETZ DEMOLITION NOTES SHALL GOVERN OVER THESE NOTES IF THERE IS A DISCREPANCY

16. DEMOLITION INCLUDES THE FOLLOWING WITHIN THE PROPERTY LINES:

16.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).

16.B. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS.

16.C. DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).

17. REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN.

18. REMOVE, REINSTALL, AND RELOCATE: REMOVE ITEMS INDICATED: CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.

19. EXISTING TO REMAIN: PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION, WHEN PERMITTED BY THE ENGINEER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.

20. CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:

20.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.

20.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.

20.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.

21. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

22. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.

23. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS.

23.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.

24. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.

25. UTILITY REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE.

25.A. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES.

25.B. COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE SHEETZ CONSTRUCTION REPRESENTATIVE A MINIMUM OF 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES.

25.C. UTILITY CONTACTS ARE LISTED ON THE TITLE SHEET, T-001.

26. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.

26.A. ERECT TEMPORARY PROTECTION, BARRICADES AS PER LOCAL GOVERNING AUTHORITIES.

26.B. PROTECT EXISTING SITE IMPROVEMENTS AND APPURTENANCES TO REMAIN.

27. USE OF EXPLOSIVES WILL NOT BE PERMITTED.

28. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND SITE CODES AND PERMIT REQUIREMENTS.

29. CLEAN ADJACENT BUILDINGS AND REMOVE DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION. PROVIDE WATER TO CONTROL DUST CAUSED BY DEMOLITION OF STRUCTURES.

30. DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.

31. GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.

32. SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.

DEMOLITION NOTES - CONTINUED

33. BUILDING PAD DEMOLITION: DEMOLISH BUILDING PAD COMPLETELY AND REMOVE FROM THE SITE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS.

33.A. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.

33.B. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.

33.C. BREAK UP AND REMOVE CONCRETE SLABS ON GRADE.

34. BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS AND OTHER BELOW-GRADE DEMOLITION, AS FOLLOWS.

34.A. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, AND BELOW GRADE CONCRETE SLABS.

35. FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS AND PAVEMENTS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER GEOTECHNICAL ENGINEERING REPORT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO FILLING ANY AREAS. CONTRACTOR SHALL CONTACT ENGINEER TO OBSERVE FILL PROCEDURES.

36. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.

36.A. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.

37. CONTRACTOR TO SAVICUT EXISTING PAVEMENT TO REMAIN PRIOR TO CURB, GUTTER, PAVEMENT, ETC REMOVAL.

GENERAL PLAN AND SURVEY NOTES

1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "GEOTECHNICAL ENGINEERING REPORT".

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE GEOTECHNICAL ENGINEERING REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN GEOTECHNICAL ENGINEERING REPORT AND PLANS, ETC.

4. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.

5. ALL WORK WITHIN THE RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS. SEE ERIE AVE. SWIORT ST. SW IMPROVEMENT PLAN SET FOR ADDITIONAL INFORMATION. ALL WORK WITHIN THE RIGHT OF WAY SHALL BE COORDINATED. CONTRACTOR SHALL NOTIFY SHEETZ CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST.

6. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.

7. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).

8. ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPALLTER, UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY STARK COUNTY SOIL AND WATER AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS).

9. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.

10. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.

11. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURE'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN. IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM HAS REVIEWED THE INFORMATION FOR ACCURACY AND WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECTS CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.

12. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.

13. THE BOUNDARY AND TOPOGRAPHIC SURVEY BY GPD GROUP SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.

14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON THE GENERAL FIELD SURVEYS, COUNTY RECORDS, AND PRIVATE UTILITY LOCATE SERVICES (NOT PERFORMED ACROSS THE ENTIRE PROPERTY) PERFORMED BY GPD GROUP. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK-THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED.

15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE BOUNDARY AND TOPOGRAPHIC SURVEY AND PRIVATE UTILITY LOCATE. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

16. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

SITE LAYOUT NOTES

SHEETZ SITE NOTES

1. CONTRACTOR SHALL REFER TO THE SHEETZ ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS, EXIT RAMPS, DUMPS/TER ENCLOSURE AND PORCHES.

2. ALL DIMENSIONS AND RADII ARE GIVEN TO BUILDING FACE, FACE OF CURB, OR EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

3. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.

4. ALL NON-LANDSCAPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45° AND 2 FEET O.C.

5. ALL STRIPING SHALL BE 4" WIDE UNLESS NOTED OTHERWISE.

6. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF PYLON SIGN WITH SHEETZ.

ADDITIONAL SITE NOTES - SHEETZ SITE NOTES SHALL GOVERN OVER THESE NOTES IF THERE IS A DISCREPANCY

7. ALL EXTERIOR CURBS SHALL HAVE EXPANSION JOINTS AT 75'-0" O.C. AND CONTROL JOINTS AT 25'-0" O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS) ALL EXTERIOR WALK SHALL HAVE EXPANSION JOINTS AT 20'-0" O.C. AND CONTROL JOINTS @ 8'-0" MAX. O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS).

8. ALL CONCRETE SHALL HAVE A MEDIUM TRANSVERSE FINISH.

CONCRETE NOTES AND SPECIFICATIONS

SHEETZ CONCRETE NOTES

1. CONCRETE SHALL CONFORM TO THE FOLLOWING:

STRENGTH 4000 PSI (PER ACI 318)

MIN. CEMENT FACTOR 589# (6.25 BAGS)

MAX. W/C 0.45

ENRAINED AIR 4.5%-7.5%

SLUMP 4" MAX. UNLESS HRWR OR MID RANGE WR, THEN 6"-8"

WATER REDUCER NORMAL TYPE A

RETARDER NORMAL TYPE D AS NEEDED (REQUIRED IF CONCRETE TEMPERATURE EXCEEDS 85°)

CONCRETE TEMPERATURE 50° - 90° F

ACCELERATOR NON-CHLORIDE TYPE ONLY

THE USE OF CALCIUM CHLORIDE IS PROHIBITED!

FIBER 1 ½' @ 1.5#C.Y. (AS FIBERMESH 300 OR EQUIVALENT)

*NOTE: FIBER REQUIREMENT MAY BE WAIVED. SITE SPECIFIC, AT OWNER'S DISCRETION.

THE ABOVE LISTED SUBMITTAL DATA IS IN GENERAL COMPLIANCE WITH THE GUIDELINES GIVEN IN ACI 301 AND ACI 318. THE CONCRETE SUPPLIER MUST BE FAMILIAR WITH THESE DOCUMENTS.

ADDITIONAL CONCRETE NOTES - SHEETZ CONCRETE NOTES SHALL GOVERN OVER THESE NOTES IF THERE IS A DISCREPANCY

2. ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE SPECIFIED ASTM STANDARDS FOR MATERIALS USED, MIXING, TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.

3. ALL EXTERIOR CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.

SLAB THICKNESS - " T "	MAXIMUM JOINT SPACING
LESS THAN 4 INCHES	8 FEET
4 - < 5 INCHES	8 FEET
5 - < 6 INCHES	12.5 FEET
6 INCHES - < 8 INCHES	15 FEET
8 INCHES - 10 INCHES	15 FEET

4. ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 6990 FOR HOT APPLIED ELASTOMERIC, ASTM D 5893 TYPE NS FOR SILICONE RUBBER, AND TT-S-00230C FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURES RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.

5. ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS. STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 90 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.

6. ALL JOINTING (IF) SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRED CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH THE STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.

7. ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH, AND MICRO FIBERS SHALL BE 0.5 TO 0.75 INCHES IN LENGTH.

8. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.

9. CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR LOSS ON IGNITION UNDER PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURES WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.

10. CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F, EXCEPT FOR LOSS ON IGNITION MUST NOT EXCEED 5%. SLAG CEMENT ACCORDING TO ASTM C698, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.

11. AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX.

12. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE PER ASTM C1315 TYPE II CLASS A IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURES RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE SIMILAR TO THE APPEARANCE OF A BLANK WHITE SHEET OF COPY PAPER. NO POOLING OF MATERIAL SHALL BE ACCEPTED.

13. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURE FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY.

14. REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

SHEETZ GENERAL NOTES

1. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY GPD GROUP. THE CURRENT REQUIREMENTS OF COUNTY/TOWNSHIP, THE APPLICABLE SECTIONS OF THE ODOT STANDARDS SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND ALL OTHER PERTINENT FEDERAL STATE LAWS.

2. THE CONTRACTOR SHALL COMPLY AT ALL TIME WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION AND SUBSEQUENT PUBLICATIONS UPDATING THE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES

5. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT. COORDINATE SCOPE OF WORK WITH SHEETZ CONSTRUCTION MANAGER.

STORMWATER MANAGEMENT NOTES

SHEETZ STORMWATER MANAGEMENT NOTES

1. CONTRACTOR SHALL COORDINATE PUMP ISLAND CANOPY DRAINS CONNECTION TO THE MAIN COLLECTOR PIPE WITH SHEETZ AND PROVIDE ALL NECESSARY FITTINGS TO MAKE THE CONNECTION TO THE MAIN COLLECTOR PIPE.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.

3. ALL JOINTS SHALL BE WATERTIGHT.

GRADING PLAN NOTES

SHEETZ GRADING NOTES

1. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL, SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

2. ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.

3. ALL AREAS NOT PAVED SHALL BE TOP SOILED, SEEDED, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.

4. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT BY GPD GROUP PRIOR TO INITIATION OF ANY EARTHWORK.

ADDITIONAL GRADING NOTES - SHEETZ GRADING NOTES SHALL GOVERN OVER THESE NOTES IF THERE IS A DISCREPANCY

5. A GEOTECHNICAL ENGINEERING REPORT HAS BEEN PREPARED BY GPD GROUP, DATED SEPTEMBER 1, 2020 AND LATER AMENDED TO INCLUDE ADDITIONAL EXPLORATION AND GEOTECHNICAL WORK WITH A REPORT DATED JANUARY 9, 2023. THESE DOCUMENTS/REPORTS SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.

6. BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), AND GEOTECHNICAL ENGINEERING REPORT FOR TREATMENT OF EXISTING GRADE.

7. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.

8. STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS, STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL ENGINEERING REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.

9. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.

10. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL ENGINEERING REPORT UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR GEOTECHNICAL ENGINEERING



REV.	DATE	DESCRIPTION



<div>SHEETZ STORE</div> <div>3544 ERIE AVE SW</div> <div>MASSILLON (PERRY TOWNSHIP), OH 44846</div>	<div>GENERAL NOTES</div>
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ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09
C-001

GENERAL UTILITY NOTES

SHEETZ UTILITY NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL AND/OR RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO THE SHEETZ STORE.
- ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
- UTILITY COMPANIES AND CONTACTS ARE LISTED ON SHEET T-001.
- CONDUIT LOCATIONS TO PYLON SIGNS AND SITE LIGHT POLES TO BE COORDINATED WITH SHEETZ SUPERINTENDENT.
- CONTRACTOR SHALL COORDINATE WITH SHEETZ SUPERINTENDENT ON LOCATION AND SIZE OF THE GREASE TRAP. GREASE TRAP SHALL BE PROVIDED WITH "T" PIPE IN OUTFLOW CHAMBER. ALL SANITARY SEWER PIPE SHALL BE SDR-35 PVC UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE WITH SHEETZ ON CONDUIT ROUTE TO STORE FROM THE TRANSFORMER AND/OR SERVICE UTILITY POLE FOR TELEPHONE AND ELECTRICAL SERVICE.

ADDITIONAL UTILITY NOTES - SHEETZ UTILITY NOTES SHALL GOVERN OVER THESE NOTES IF THERE IS A DISCREPANCY

- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER AND ENGINEER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.
- CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES, PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
- UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

STORM SEWER NOTES

- ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED EQUAL).
- CONTRACTOR SHALL COORDINATE PUMP ISLAND CANOPY DRAINS CONNECTION TO THE MAIN COLLECTOR PIPE WITH SHEETZ AND PROVIDE ALL NECESSARY FITTINGS TO MAKE THE CONNECTION TO THE MAIN COLLECTOR PIPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION.
- ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN PLANS. SEE UTILITY PLAN.
- ALL STORM STRUCTURES AND PIPE SHALL BE CONSTRUCTED AS SHOWN ON THESE DRAWINGS AND DETAILED PER ODOT STANDARD DRAWINGS, AND 2019 CONSTRUCTION AND MATERIAL SPECIFICATIONS, OR LATEST VERSION.

SANITARY SEWER NOTES

- SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 50" BELOW FINISH FLOOR.
- SERVICE ENTRY POINT INTO BUILDING SHOULD BE VERIFIED W/ THE ARCHITECTURAL DRAWINGS.
- CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED.
- THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE.
- ALL SANITARY PIPE MATERIAL SHALL BE 4" OR 6" PVC (AS SPECIFIED ON THE UTILITY PLAN), SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.
- ALL LATERAL CONNECTIONS SHALL BE MADE BY SITE CONTRACTOR.
- COORDINATE LATERAL CONNECTION WORK WITH THE CONTRACTOR PERFORMING THE SANITARY MAIN EXTENSION WORK ON ERIE AVE. SW AND ORTT ST. SW.

WATER NOTES

- WATER SERVICE MATERIALS SHALL BE AS FOLLOWED:
 - SERVICE SADDLES:**
STAINLESS STEEL, DOUBLE STUD, CC OUTLET, SMITH-BLAIR MODEL 372 OR EQUALS AS APPROVED BY AQUA OHIO.
 - CORPORATION STOPS:**
BRASS, BALL VALVE, CC INLETS, CTS COMPRESSION OUTLET, MUELLER MODEL B-25008N OR EQUAL AS APPROVED BY AQUA OHIO.
 - CURB STOPS:**
BRASS, BALL VALVE, CTS COMPRESSION INLET AND OUTLET, MUELLER MODEL B-25209N OR EQUAL AS APPROVED BY AQUA OHIO.
 - CURB BOXES:**
TWO PIECE, CAST IRON, 2-1/2" BUFFALO STYLE, SCREW TYPE FOR ADJUSTABLE HEIGHT, HEIGHT RANGE TO BE APPROXIMATELY 36" TO 54" WITH CAST IRON LID AND BRASS BOLT. THE WORD "WATER" TO BE CAST ON LID. GENERAL FOUNDRIES PRODUCT NO. 37093E OR EQUAL AS APPROVED BY AQUA OHIO. IF THE CURB STOP WILL BE IN A PAVED AREA, A 144R ROADWAY BOX IS REQUIRED.
 - SERVICE LINES:**
SERVICE LINES OF 1" SHALL BE COPPER TYPE "K" TUBING. SERVICE LINES OF 1-1/2" OR 2" MAY BE COPPER TYPE "K" TUBING OR AS AN ALTERNATE MATERIAL, HDPE PLASTIC, COPPER TUBE OD, SDR 9, 200 PSI RATINGS. HDPE NEEDS STAINLESS STEEL STIFFNERS AT EACH JOINT. A TRACER WIRE AND MARKING TAPE IS REQUIRED.
- DIAMETER SHALL BE AS NOTED ON THESE PLANS.
- WATER SERVICE LINES SHALL BE LAID AT A DEPTH OF NOT LESS THAN 4'-6" NOR MORE THAN 5' BELOW FINISHED GROUND LEVEL.
- THE WATER SERVICE LINE TRENCH SHALL BE LEFT OPEN AND THE PIPE UNCOVERED UNTIL IT IS INSPECTED AND APPROVED BY AN AQUA OHIO, INC. REPRESENTATIVE.
- SERVICE CONNECTIONS LARGER THAN 1" IN DIAMETER MUST BE SEPARATED BY A MINIMUM DISTANCE OF 5' FROM OTHER SERVICE CONNECTIONS, HYDRANT TEES, FITTINGS, AND VALVES.
- ALL NEW VALVES SHALL OPEN RIGHT. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING DIRECTION WITH THE LOCAL FIRE DEPARTMENT PRIOR TO ORDERING MATERIALS.
- CONSTRUCTION AND MATERIALS PROVIDED BY AQUA OHIO, INC.:
 - INSPECTION OF SERVICE LINE IN TRENCH PRIOR TO BACKFILL.
 - INSPECTION OF UNDERGROUND APPURTENANCES.
 - FURNISH AND INSTALL WATER METER AT BUILDING.
 - FURNISH AND INSTALL IRRIGATION METER.
 - CONNECTIONS TO METERS.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - TAP MAIN
 - FURNISH AND INSTALL CURB STOPS.
 - FURNISH AND INSTALL WATER LINES (SEE #7 ABOVE FOR INSPECTIONS PRIOR TO BACKFILL).
 - ALL TRENCHING AND BACKFILLING.
- CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION/PROJECT MANAGER AND AQUA OHIO, INC. REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION/PROJECT MANAGER AND IRRIGATION CONSULTANT PRIOR TO PAVEMENT AND CURB INSTALLATION. SEE SHEETS L-111, L-112 AND L-501 FOR IRRIGATION PLANS.

NATURAL GAS NOTES

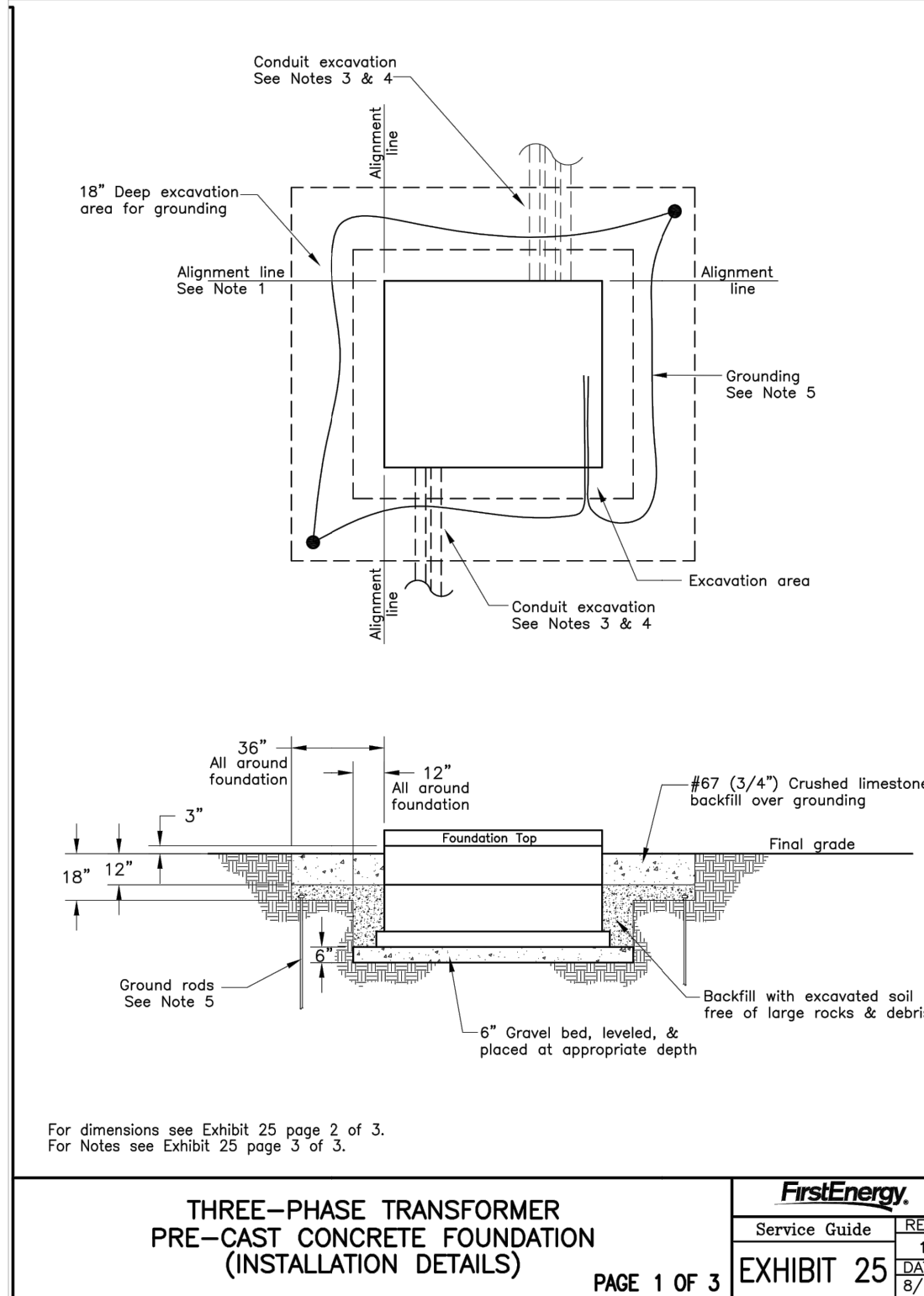
- CONSTRUCTION AND MATERIALS PROVIDED BY THE GAS COMPANY:
 - TAP MAIN.
 - FURNISH AND INSTALL METER AT BUILDING.
 - SERVICE CONNECTION TO METER.
 - INSPECTION OF SERVICE LINE IN TRENCH PRIOR TO BACKFILL.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - TRENCHING AND BACKFILLING OF SERVICE LINE.
 - FURNISH AND INSTALL SERVICE LINE FROM TAP TO BUILDING AND THROUGHOUT BUILDING.
 - ROADWAY RESTORATION (IF REQUIRED).
 - CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

CABLE/ TELECOMMUNICATIONS NOTES

- INSTALL 4" CABLE TVSS CONDUIT PER COUNTY/TOWNSHIP, STATE OR NEC CODE, WHICHEVER IS MORE STRINGENT (FOR FUTURE USE). SEE ELECTRICAL SHEETS FOR DETAILS. TERMINATE CABLE CONDUIT AT RIGHT-OF-WAY. PROVIDE END CAP AND NOTE LOCATION ON AS-BUILT DRAWINGS.
- CABLE AND TELECOMMUNICATION SERVICE SHALL BE COORDINATED WITH SHEETZ IT DEPARTMENT, SHEETZ CONSTRUCTION MANAGER, AND UTILITY PROVIDERS.

ELECTRICAL NOTES

- SEE PHOTOMETRIC PLAN FOR FIXTURE DESCRIPTION AND DETAILS FOR FOUNDATION DETAIL FOR LIGHT POLES. COORDINATE ALL WORK WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL CONDUIT SERVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- ALL PARKING LOT LIGHTING WIRING SHALL BE NO. 10 AWG IN 4" PVC DUCT.
- WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE 4" SCHD. 80 DUCTS.
- CONDUIT LOCATIONS TO POLE SIGNS AND SITE LIGHT POLES TO BE COORDINATED WITH SHEETZ SUPERINTENDENT.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY:
 - SEE EXHIBIT 1 CHART BY FIRST ENERGY, THIS SHEET, FOR SCOPE OF WORK BY ELECTRIC COMPANY.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - SEE EXHIBIT 1 CHART BY FIRST ENERGY, THIS SHEET, FOR SCOPE OF WORK BY CONTRACTOR.
 - 2 - 5" SCHEDULE 80 CONDUITS FROM POLE TO TRANSFORMER.
 - 4 - 4" SCHEDULE 40 CONDUITS FROM TRANSFORMER TO BUILDING.
 - SEE SHEET C-131 FOR ELECTRICAL CONDUIT SITE CONFIGURATION AND EXTENSIONS. INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.
- SEE THIS SHEET FOR FIRST ENERGY TRANSFORMER PAD AND NOTES. CONTRACTOR SHALL COORDINATE FINAL SIZES WITH FIRST ENERGY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE DURING BID, AS WELL AS CONSTRUCTION, THE MOST CURRENT FIRST ENERGY SERVICE GUIDE NOTES, EXHIBITS AND SPECIFICATIONS ARE BEING UTILIZED.



Pre-Cast Concrete Foundation													
Transformer Size (kVA)	Base				Top				Opening in Top				
	Wb	Db	Hb	Tb	Wt	Dt	Ht	Wt	Wo	Do	Ow	Od	
22,940 Ord/14,400 Volt & Below													
45 - 150	72"	54"	42"	4"	4,275#	72"	54"	6"	1,725#	55"	14"	8.5"	6"
225 - 1000	78"	66"	42"	4"	8,000#	78"	66"	6"	2,400#	60"	19"	9"	6"
1500 - 2500	96"	96"	42"	6"	12,000#	96"	96"	9"	6,400#	60"	19"	18"	9"
1500 - 2500 (Note 9)	96"	96"	54"	6"	14,000#	96"	96"	9"	6,400#	60"	19"	18"	9"
34,500 Ord/19,920 Volt													
45 - 2500	96"	96"	42"	6"	12,000#	96"	96"	9"	6,400#	60"	19"	18"	9"
45 - 2500 (Note 9)	96"	96"	54"	6"	14,000#	96"	96"	9"	6,400#	60"	19"	18"	9"
34,500 Delta Volt Live-Front (includes CEI 38W system)													
All Sizes (Note 10)	138"	120"	54"	6"	24,655#	138"	120"	9"	10,270#	102"	36"	18"	18"

THREE-PHASE TRANSFORMER PRE-CAST CONCRETE FOUNDATION (FABRICATION DETAILS)		
		FirstEnergy
		Service Guide
		REV. 1
		DATE 2/19

These documents has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.

Material	Supplied By	Installed By
Service Drop w/ connectors	Company	Company
Service Entrance	Customer	Customer
Connectors @ meter socket	Customer	Customer
Self-Contained Meter Socket		
200 amp or less	Customer	Customer
400 amp	Company	Customer
480-Volt Meter Disconnecting Means ¹	Customer	Customer
Current transformer Cabinet ²	Customer	Customer
Current Transformers	Company	Company
Metering Conduit	Customer	Customer
Metering Conductors	Company	Company
Transformer-Rated Meter Socket	Company	Company
Meter	Company	Company

Material	Supplied By	Installed By
Service Lateral (cable) ¹	Customer	Customer
Trench / Backfill / Conduit	Customer	Customer
Service Entrance	Customer	Customer
Riser - Pole Material	Customer	Customer/Company
Transformer Foundation		
Single-Phase	Company	Company
Three-Phase	Customer	Customer
Connectors ² @ Source Transformer, Pedestal, Handhole	Company	Company
Connectors @ Meter Socket	Customer	Customer
Self-Contained Meter Socket		
200 amp or less	Customer	Customer
400 amp	Company	Customer
480-Volt Meter Disconnecting Means ¹	Customer	Customer
Current transformer Cabinet ²	Customer	Customer
Current Transformers	Company	Company
Metering Conduit	Customer	Customer
Metering Conductors	Company	Company
Transformer-Rated Meter Socket	Company	Company
Meter	Company	Company

- Notes:
- For all single-phase and three-phase 480-volt services with self-contained metering, a disconnect shall be installed by customer on the source side of the meter socket (refer to Exhibit 15 for details).
 - Customer supplies, installs, and maintains underground service lateral. For connections at pedestals, handholes, overhead transformer riser installations, and single-phase pad-mounted transformers, cable size is limited to 750 kcmil. For connections at three-phase pad-mounted transformers, the cable size is limited to 16 conductors of 750 kcmil per phase or 8 conductors of 1000 kcmil per phase.
 - The metering method for services greater than 400 amp is a current transformer cabinet.
 - Contact the Company for network applications.

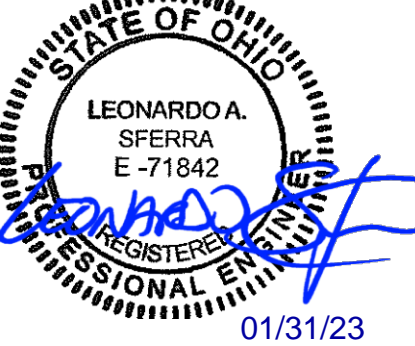
SERVICE MATERIAL GUIDELINE FOR OHIO OPERATING COMPANIES		
		FirstEnergy
		Service Guide
		REV. 2
		DATE 2/19

- Notes:
- Customer shall contact the Company prior to beginning work to discuss the details of transformer foundation position and orientation, working clearances, barrier protection, construction specifications, and inspection procedures. The Customer is responsible for purchasing, owning, installing, and maintaining the pre-cast transformer foundation and associated secondary rack equipment. The contractor/developer shall coordinate site preparations with the desired delivery date. The contractor shall provide a clear and firm approach to the point of delivery and keep the area above the transformer clear of obstructions that may block the use of Company vehicles (e.g., crane access to the transformer).
 - The customer/contractor is responsible for the excavation to install the transformer foundation and for backfilling afterwards. The excavation shall be at least 2 feet wider than the vault dimension and 5 feet 6 inches deep (actual excavation depth may vary, depending upon relation between existing and final grade). Six (6) to eight (8) inches of 2B crushed stone bed shall be spread (tamped and leveled at appropriate depth) in the bottom of the excavation. Pavement (concrete, asphalt, or grasscrete) shall be provided to within ten (10) feet of installation for Company trucks. For delivery, the customer/contractor should provide painted lines or stakes and string for alignment in place and three pieces of scrap 4 inch x 4 inch x 8 feet lumber off to side for unloading foundation top (at delivery time).
 - Customer/contractor shall provide, install, and seal a minimum five (5) foot section of PVC conduit through the wall of the foundation base (sloping away from the foundation) for Company primary cable at Company designated location.
 - Excavation for customer conduits may be done at the same time as for foundation.
 - The customer shall install a continuous loop of #2 bare, seven strand, soft drawn copper ground wire connected to two 5/8-inch diameter x 8-foot ground rods installed in opposite corners of the vault in undisturbed earth. Both ends of the ground wire shall enter the foundation through a one-inch diameter hole to be drilled or chiseled in the upper right-hand corner of the knockout pane. Each ground wire tail shall extend 15 feet inside vault beyond knockout point.
 - The decision to open the sump for drainage or leave it closed will be made by the Company based on field conditions. The customer is responsible for taking corrective action (improve drainage, sump pump, etc.) for a foundation that fills with water and water is leaking through service conduits into the customer's building. The area surrounding the foundation shall be graded so that ground water will not collect.
 - The customer/contractor shall install protective barriers when the transformer is located in an area exposed to vehicular traffic (refer to Exhibit 30).
 - Base is customized for location: conduit terminators w/knockouts; openings for conduit push through, customer secondary cable conduit openings.
 - The deeper base for the 1500-2500 kVA transformers is used when the secondary conduit configuration requires a deeper wall to maintain NEC/NESC minimum soil cover over the conduit.
 - Foundation for 34.5 kV line-front transformer includes 6" thick dividing wall between the high voltage and low voltage compartment centered 55 1/2" from the inside edge of the low voltage compartment side wall.

THREE-PHASE TRANSFORMER PRE-CAST CONCRETE FOUNDATION (NOTES)		
		FirstEnergy
		Service Guide
		REV. 2
		DATE 2/19



DESCRIPTION	DATE	REV.



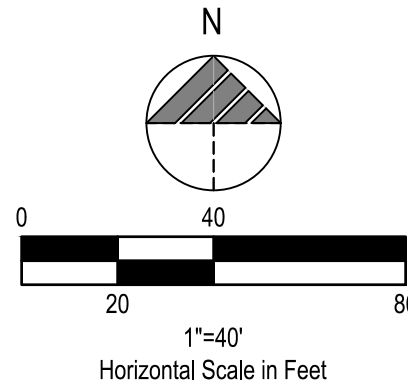
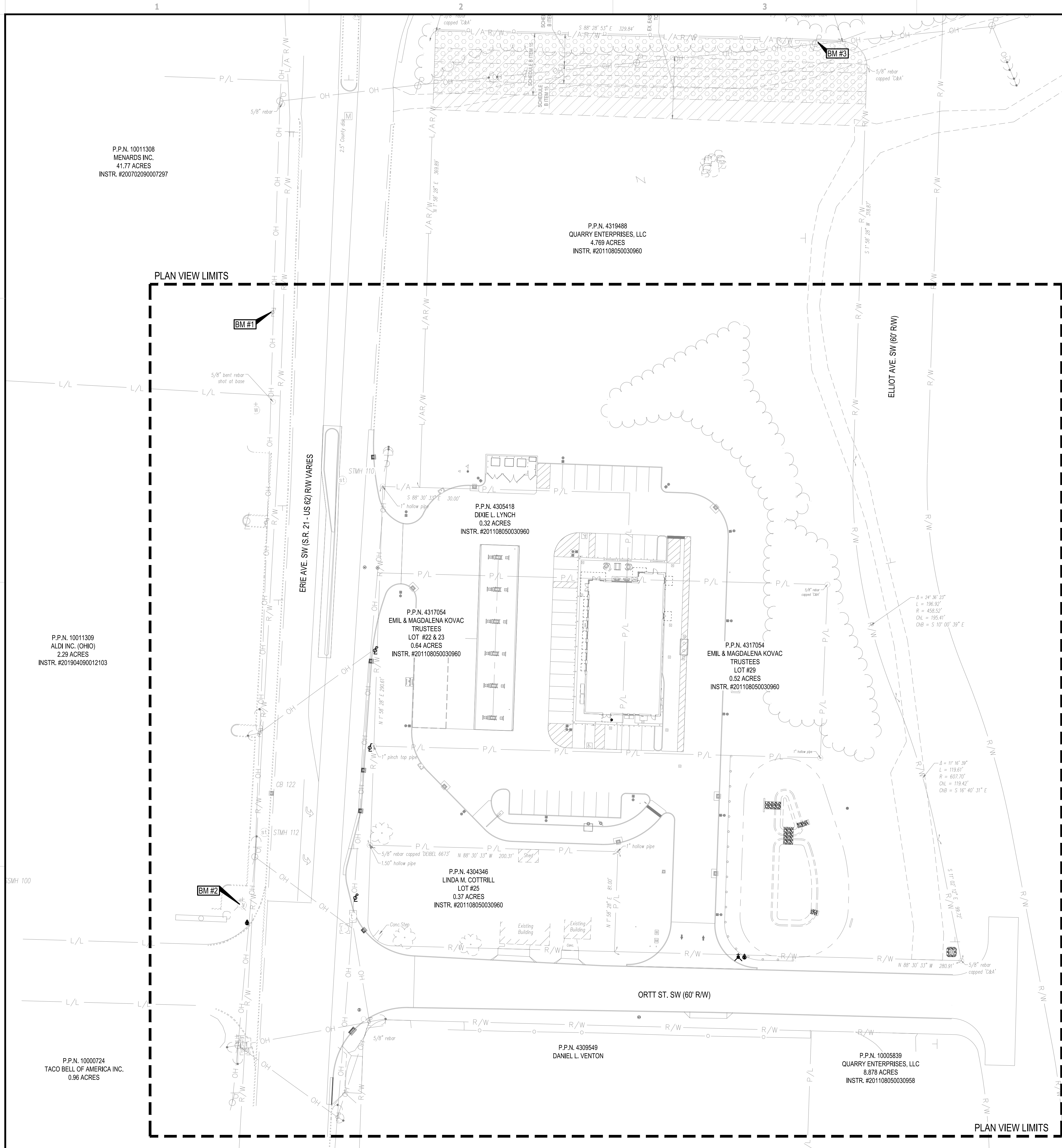
SHEETZ STORE 3544 ERIE AVE SW MASSILLON (PERRY TOWNSHIP), OH 44646	GENERAL NOTES
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ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

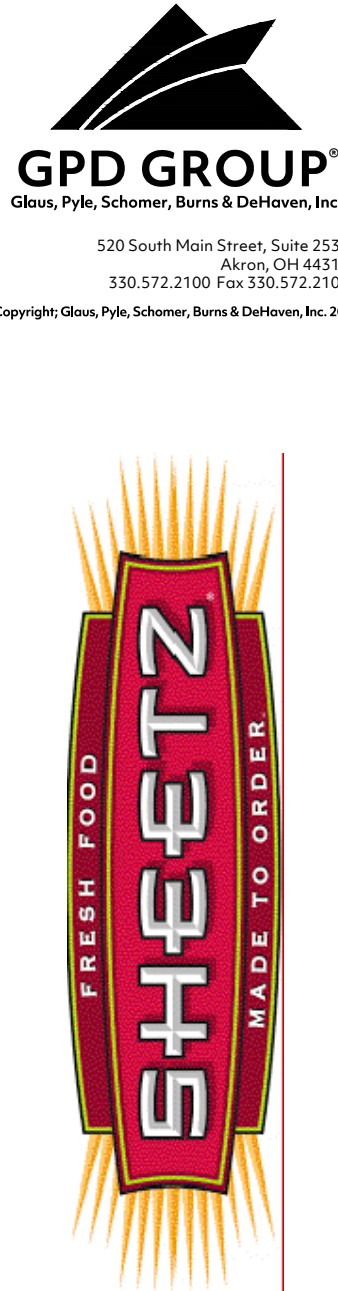
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO. 2020117.09

C-002



NOTE:
1. PLAN SHOWS FINAL CONDITIONS OF DEVELOPMENT.
2. OWNERS OF PARCELS SHOWN PRIOR TO LOT CONSOLIDATION.



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646
OVERALL KEY PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-100



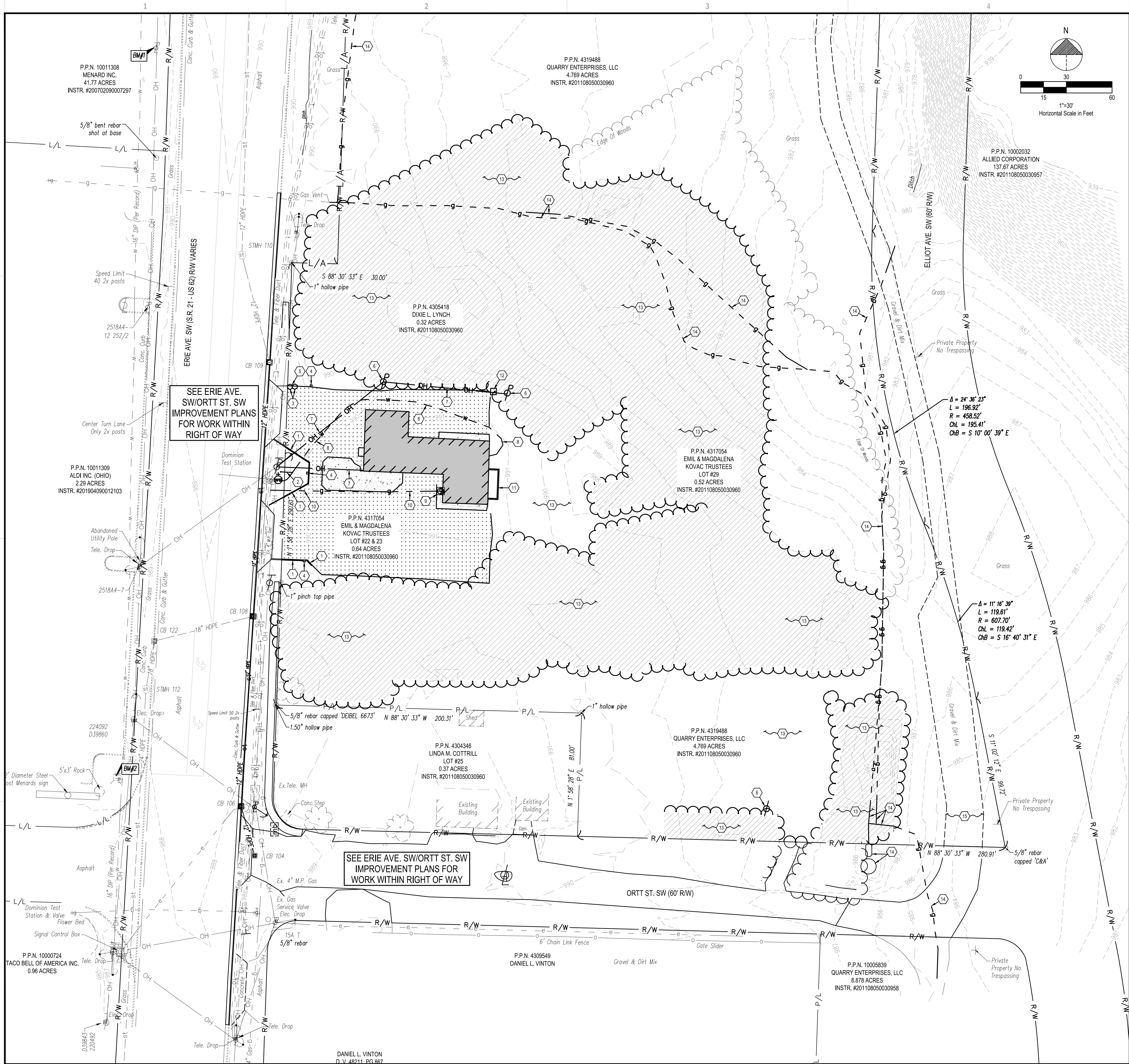
UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:
STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 399198, E 2240971 ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240943 ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410 ELEVATION=986.48



PLAN KEYNOTES (#)

- EXISTING CURB TO BE REMOVED.
- EXISTING POST AND PANEL SIGN TO BE REMOVED (INCLUDING FOUNDATION IF APPLICABLE).
- EXISTING POST AND/OR PIPE BOLLARD TO BE REMOVED (INCLUDING FOUNDATION IF APPLICABLE).
- EXISTING LIGHT POLE BASE AND FOUNDATION TO BE REMOVED. CONTRACTOR SHALL REMOVE ABANDONED CONDUITS AND WIRING BACK TO SOURCE.
- EXISTING 3-INCH STEEL POLE TO BE REMOVED (INCLUDING FOUNDATION IF APPLICABLE).
- EXISTING UTILITY POLE TO BE REMOVED.
- EXISTING OVERHEAD WIRES TO BE REMOVED.
- EXISTING WATER SERVICE TO BE REMOVED. COORDINATE SERVICE TERMINATION WITH UTILITY SERVICE PROVIDER.
- EXISTING GAS METER TO BE REMOVED.
- EXISTING GAS SERVICE TO BE REMOVED. COORDINATE SERVICE TERMINATION WITH UTILITY SERVICE PROVIDER.
- EXISTING BLOCK WALL TO BE REMOVED.
- EXISTING CONCRETE FOUNDATION (FROM ABANDONED SIGN) TO BE REMOVED.
- EXISTING LANDSCAPING (INCLUDING SHRUBS, TREES, ETC.) TO BE REMOVED.
- EXISTING GAS LINE/GAS EQUIPMENT TO BE REMOVED BY CONTRACTOR IF NOT ALREADY REMOVED/RELOCATED BY PROPERTY OWNER. FINAL LIMITS OF REMOVAL SHALL BE COORDINATED WITH SOUND ENERGY AND SHEETZ CONSTRUCTION MANAGER, IF APPLICABLE.
- EXISTING GRAVEL/DIRT DRIVE TO BE REMOVED AND REPLACED AS REQUIRED FOR INSTALLATION OF NEW STORM INFRASTRUCTURE.

DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

ROADWAY CONSTRUCTION DEMOLITION NOTE:

DEMOLITION ITEMS WITHIN THE ERIE AVE. SW AND ORTT ST. SW RIGHT-OF-WAY ARE NOT SHOWN ON THIS PLAN. REFER TO THE ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET FOR RIGHT-OF-WAY DEMOLITION SCOPE.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

	EXISTING ASPHALT PAVEMENT TO BE REMOVED
	EXISTING CONCRETE TO BE REMOVED
	EXISTING BUILDING/STRUCTURE TO BE REMOVED
	EXISTING LANDSCAPING (INCLUDING SHRUBS, TREES, ETC.) TO BE REMOVED
	DEMOLITION KEYNOTE

COORDINATE ALL SITE WORK WITH ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.

EXISTING STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS
*CB 104	*EXISTING STORM CATCH BASIN RIM=988.04 SILTED
*CB 106	*EXISTING STORM CATCH BASIN RIM=987.60 12" HDPE (N) =982.70 12" HDPE (S) =983.00
*CB 108	*EXISTING STORM CATCH BASIN RIM=988.02 12" HDPE (N) =982.92 12" HDPE (S) =982.12 18" HDPE (SW) =981.62
*CB 109	*EXISTING STORM CATCH BASIN RIM=988.64 12" HDPE (N) =983.74 12" HDPE (S) =983.64
STMH 110	EXISTING STORM MANHOLE RIM=989.58 12" HDPE (N) =983.83 12" HDPE (S) =988.64
STMH 112	EXISTING STORM MANHOLE RIM=988.65 18" HDPE (N) =980.95 24" HDPE (S) =980.75
CB 122	EXISTING STORM CATCH BASIN RIM=987.94 18" HDPE (NE) =981.09 18" HDPE (S) =981.04

*STRUCTURE TO BE REMOVED AS PART OF THE ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 399198, E 2240971 ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240943 ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410 ELEVATION=986.48

SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



REV.	DATE	DESCRIPTION



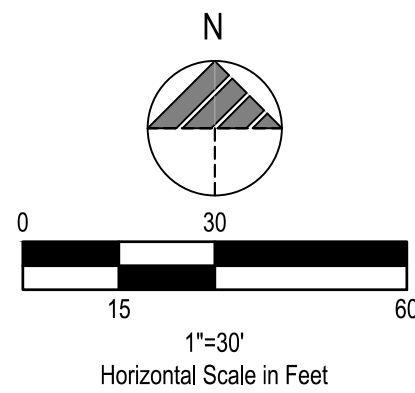
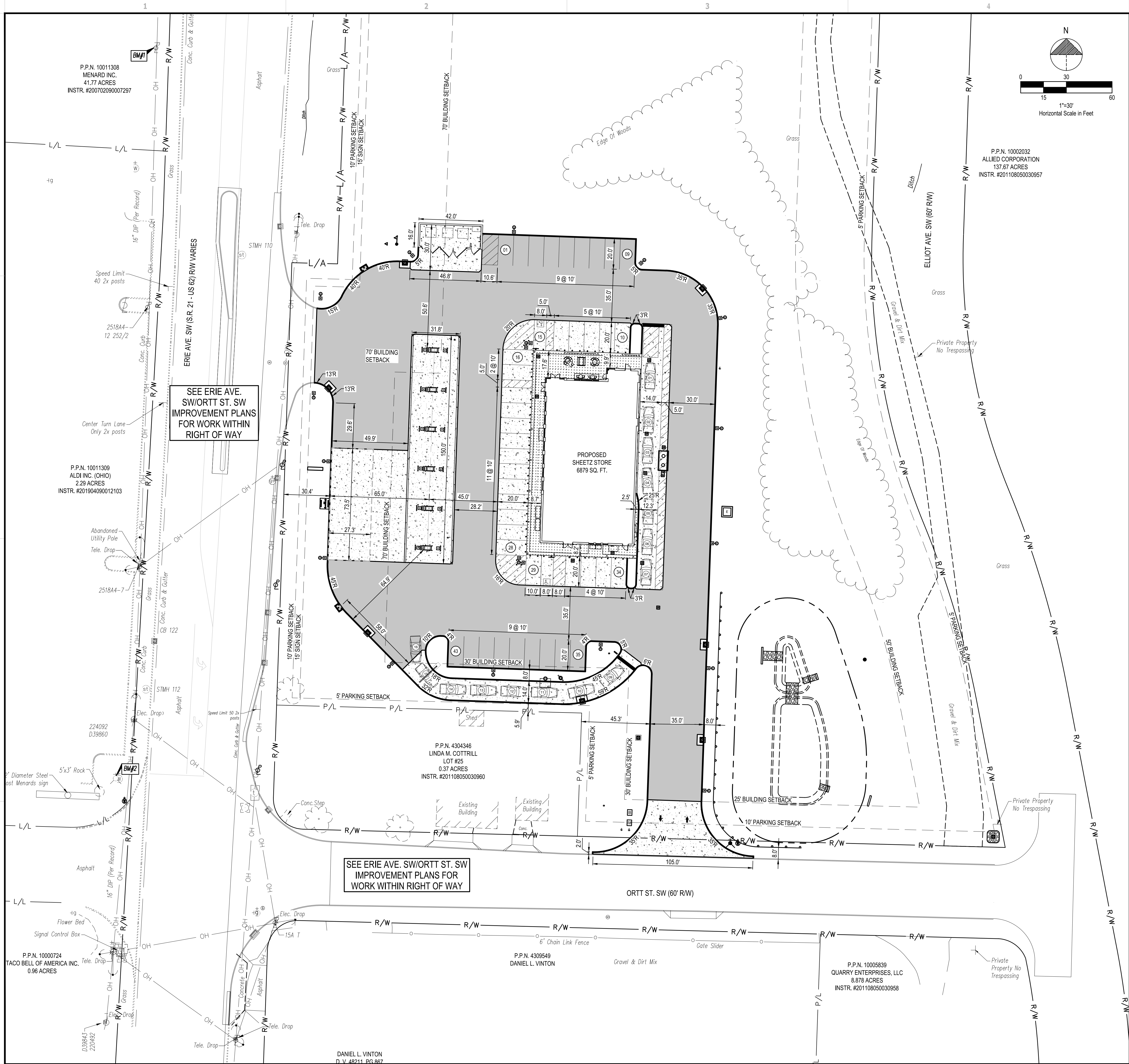
SHEETZ STORE 3544 ERIE AVE SW MASSILLON (PERRY TOWNSHIP), OH 44646	
DEMOLITION PLAN	

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO. 2020117.09

C-101



PARKING CALCULATIONS		
USE	CALCULATION/REQUIRED	PROVIDED
RETAIL STORES (1 SPACE PER 100 SF)	3,977/100 = 40 REQUIRED	43
ADA PARKING (VAN/TOTAL)	1/2	1/2

BUILDING/CANOPY/DUMPSTER SETBACKS				
	REQUIRED	PROVIDED (BUILDING)	PROVIDED (CANOPY)	PROVIDED (DUMPSTER)
FRONT: ERIE AVE. SW	70'	168.8'	67.1'	52.4'
SIDE: US ROUTE 30 (RAMP)	30'	433.4'	414.9'	341.4'
REAR: ELLIOTT AVE. SW	50'	156.0'	271.6'	255.5'
SIDE: ORTT ST. SW (RW)	30'	192.0'	176.5'	383.9'
SIDE: ORTT ST. SW (PL)	30'	111.0'	95.5'	302.9'

PARKING SETBACKS		
	REQUIRED	PROVIDED
FRONT: ERIE AVE. SW	10'	10.4'
SIDE: US ROUTE 30 (RAMP)	5'	347.3'
REAR: ELLIOTT AVE. SW	5'	102.4'
SIDE: ORTT ST. SW (RW)	5'	86.2'
SIDE: ORTT ST. SW (PL)	5'	5.2'

LAND USE DATA		
	PERCENTAGE OF SITE AREA	AREA PROVIDED
BUILDING	2.6%	0.16 AC.
PAVEMENT/IMPERVIOUS	24.9%	1.56 AC.
LANDSCAPING	72.5%	4.54 AC.
TOTAL	100%	6.26 AC.

CURRENT ZONING: INDUSTRIAL - I

- LEGEND**
(SEE SHEET C-001 FOR GENERAL LEGEND)
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT, SEE SHEET C-501.
 - PROPOSED FIBER MESH CONCRETE PAVEMENT, SEE SHEET C-501.
 - PROPOSED SIDEWALK, SEE SHEET C-112 FOR SIDEWALK TYPE.
 - PROPOSED PARKING SPACE NUMBER

COORDINATE ALL SITE WORK WITH ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 399198, E 2240971 ELEVATION=992.20

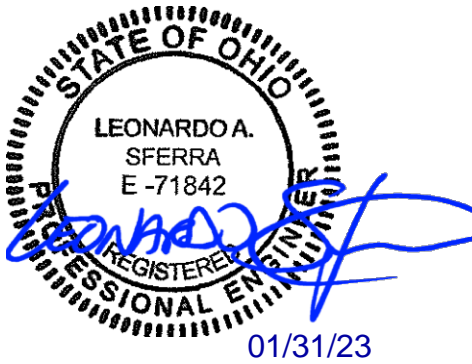
BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240943 ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410 ELEVATION=986.48

SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

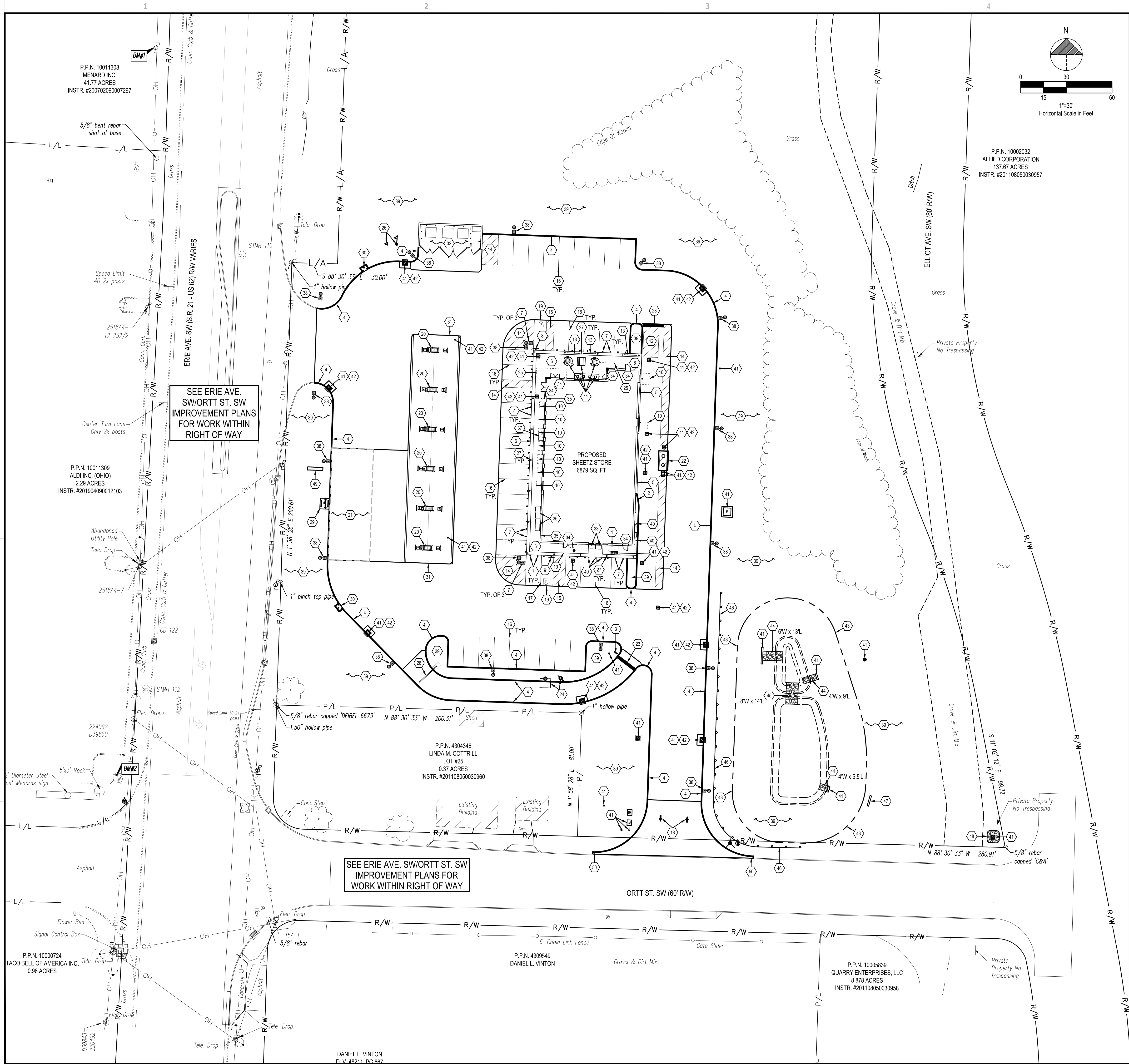
DIMENSIONAL SITE PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-111



PLAN KEYNOTES (#)

1. PROPOSED ROOF LADDER ACCESS. SEE ARCHITECTURAL DRAWINGS.
2. PROPOSED FIBER MESH CURBED WALK. SEE SHEET C-501.
3. PROPOSED DO NOT ENTER AND STOP SIGN. SEE SHEET C-501.
4. PROPOSED SITE AND STORE PERIMETER CURBING. SEE SHEET C-400.
5. PROPOSED DRIVE THRU CURB. SEE ARCHITECTURAL DRAWINGS.
6. PROPOSED STOREFRONT BRICK PAVER SIDEWALK. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND INSTALLATION SPECIFICATIONS. TOP OF WALK TO MATCH TOP OF PAVEMENT WHERE APPLICABLE. REFER TO GRADING PLAN.
7. PROPOSED STOREFRONT BUMPER POST FLUSH SIDEWALK PER SHEETZ SPECIFICATIONS AND DETAIL. SEE SHEET C-400.
8. PROPOSED HANDICAPPED PARKING SIGN ATTACHED TO BUMPER POST. SEE SHEET C-501.
9. PROPOSED HANDICAPPED PARKING SIGN WITH VAN ACCESSIBLE SIGN ATTACHED TO BUMPER POST. SEE SHEET C-501.
10. PROPOSED AWNING. SEE ARCHITECTURAL DRAWINGS.
11. PROPOSED OUTDOOR SEATING (2 TABLES W/ 2 CHAIRS, 3 TABLES W/4 CHAIRS AND 1 BENCH WITH 4 SEATS). SEE ARCHITECTURAL DRAWINGS.
12. PROPOSED DRIVE-THRU WAITING ZONE. SEE SHEETZ DRIVE-THRU SIGNAGE PLAN FOR PAVEMENT MARKINGS.
13. PROPOSED DECORATIVE ALUMINIZED FENCE. SEE ARCHITECTURAL DRAWINGS.
14. PROPOSED PAINTED TRANSVERSE STRIPING (WHITE ON ASPHALT & YELLOW ON CONCRETE). SEE SHEET C-501.
15. PROPOSED PAINTED TRANSVERSE STRIPING (BLUE). SEE SHEET C-501.
16. PROPOSED 4" WIDE PAINTED SOLID STRIPE (WHITE ON ASPHALT & YELLOW ON CONCRETE). SEE PAVEMENT MARKING & NOTES ON SHEET C-501.
17. PROPOSED 4" WIDE PAINTED SOLID STRIPE (BLUE). SEE PAVEMENT MARKING & NOTES ON SHEET C-501.
18. PROPOSED PAINTED DIRECTIONAL PAVEMENT MARKINGS (WHITE ON ASPHALT & YELLOW ON CONCRETE). SEE PAVEMENT MARKING & NOTES ON SHEET C-501.
19. PROPOSED PAINTED ADA SYMBOL (WHITE ON BLUE BACKGROUND). SEE SHEET C-501.
20. PROPOSED GAS ISLANDS WITH DISPENSERS. SEE PETROLEUM DRAWINGS FOR DETAILS.
21. PROPOSED UNDERGROUND FUEL TANKS. SEE PETROLEUM DRAWINGS FOR DETAILS.
22. PROPOSED 2000 GALLON GREASE INTERCEPTOR. SEE UTILITY PLAN.
23. PROPOSED PAINTED 20" WIDE STOP BAR (WHITE PER OMUTCD 3B.16).
24. PROPOSED DRIVE-THRU ORDER BOARD AND MENU WITH CANOPY PER SHEETZ SIGNAGE PACKAGE.
25. PROPOSED ENTRANCE DOOR MAPES CANOPIES. SEE ARCHITECTURAL DRAWINGS.
26. PROPOSED FLAGPOLE WITH GROUND MOUNTED LIGHTS PER SHEET C-400 (VERIFY LOCATION WITH SHEETZ CONSTRUCTION/PROJECT MANAGER PRIOR TO ORDERING AND INSTALLATION).
27. PROPOSED DECORATIVE LIGHT BOLLARDS. SEE ARCHITECTURAL DRAWINGS.
28. PROPOSED CLEARANCE BAR. SEE ARCHITECTURAL DRAWINGS.
29. PROPOSED UST VENT PAD. PRIOR TO INSTALLATION, CONTRACTOR SHALL CONTACT SHEETZ CONSTRUCTION/PROJECT MANAGER TO COORDINATE ITEMS ON THE PAD. SEE DETAIL ON SHEET C-400.
30. PROPOSED AIR MACHINE PAD. SEE DETAIL ON SHEET C-401. SEE PETROLEUM DRAWINGS FOR ALL WIRING.
31. PROPOSED FUEL ISLAND CANOPY. SEE PETROLEUM DRAWINGS FOR DETAILS.
32. PROPOSED TRASH ENCLOSURE. SEE SHEET C-401.
33. PROPOSED PROPANE LOCKER. SEE SHEET C-400.
34. PROPOSED FROST SLAB. SEE ARCHITECTURAL DRAWINGS.
35. PROPOSED WALL MOUNT E-STOP. SEE ARCHITECTURAL DRAWINGS.
36. PROPOSED ICE MERCHANDISERS.
37. PROPOSED AUTO MERCHANDISER.
38. PROPOSED POLE LIGHT. SEE SHEET C-400 AND C-701.
39. PROPOSED LANDSCAPE AREA. SEE LANDSCAPING DRAWINGS.
40. PROPOSED 6" PIPE BOLLARD. SEE SHEET C-400.
41. PROPOSED UTILITY STRUCTURE. SEE UTILITY PLAN FOR MORE INFORMATION.
42. PROPOSED UTILITY CONCRETE APRON. SEE SHEET C-501.
43. PROPOSED BASIN LIMITS. SEE SHEET C-121.
44. PROPOSED ROCK CHANNEL PROTECTION. SEE SHEET C-503. SEE PLAN FOR LENGTH AND WIDTH.
45. PROPOSED ROCK EMBANKMENT BERM. SEE SHEET C-503. SEE PLAN FOR LENGTH AND WIDTH.
46. PROPOSED ODOT MGS-2.1 GUARDRAIL WITH TIMBER POSTS AND W-BEAM. CONTRACTOR SHALL PERFORM UTILITY TEST HOLES TO CONFIRM LOCATION OF UTILITIES LOCATED IN THE AREA OF THE NEW GUARDRAIL PRIOR TO DRIVING POSTS. GUARDRAIL SHALL NOT HAVE WOOD BLOCKING.
47. PROPOSED CONCRETE ANTI-SEEP COLLAR. SEE SHEET C-503.
48. PROPOSED PROTECTION STONE. SEE SHEET C-503.
49. PROPOSED PYLON SIGN. COORDINATE WITH SIGN CONTRACTOR.
50. PROPOSED APRON CURB CONNECT. SEE SHEET C-501.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)



CONSTRUCTION KEYNOTE

NOTE:

SEE SHEET C-111 FOR PROPOSED PAVEMENT LIMITS, SITE DIMENSIONS, AND RADII INFORMATION.

PROPERTY LINE INFORMATION SHOWN IS AFTER LOT CONSOLIDATION.

COORDINATE ALL SITE WORK WITH ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 399198, E 2240971 ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240943 ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410 ELEVATION=986.48

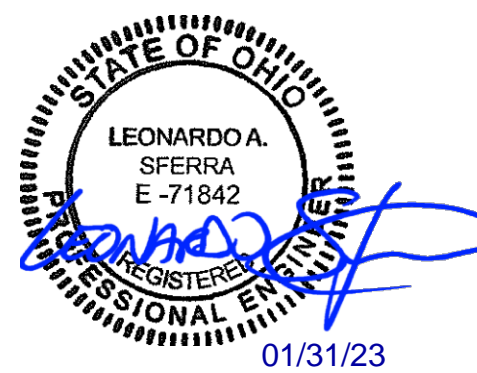
SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



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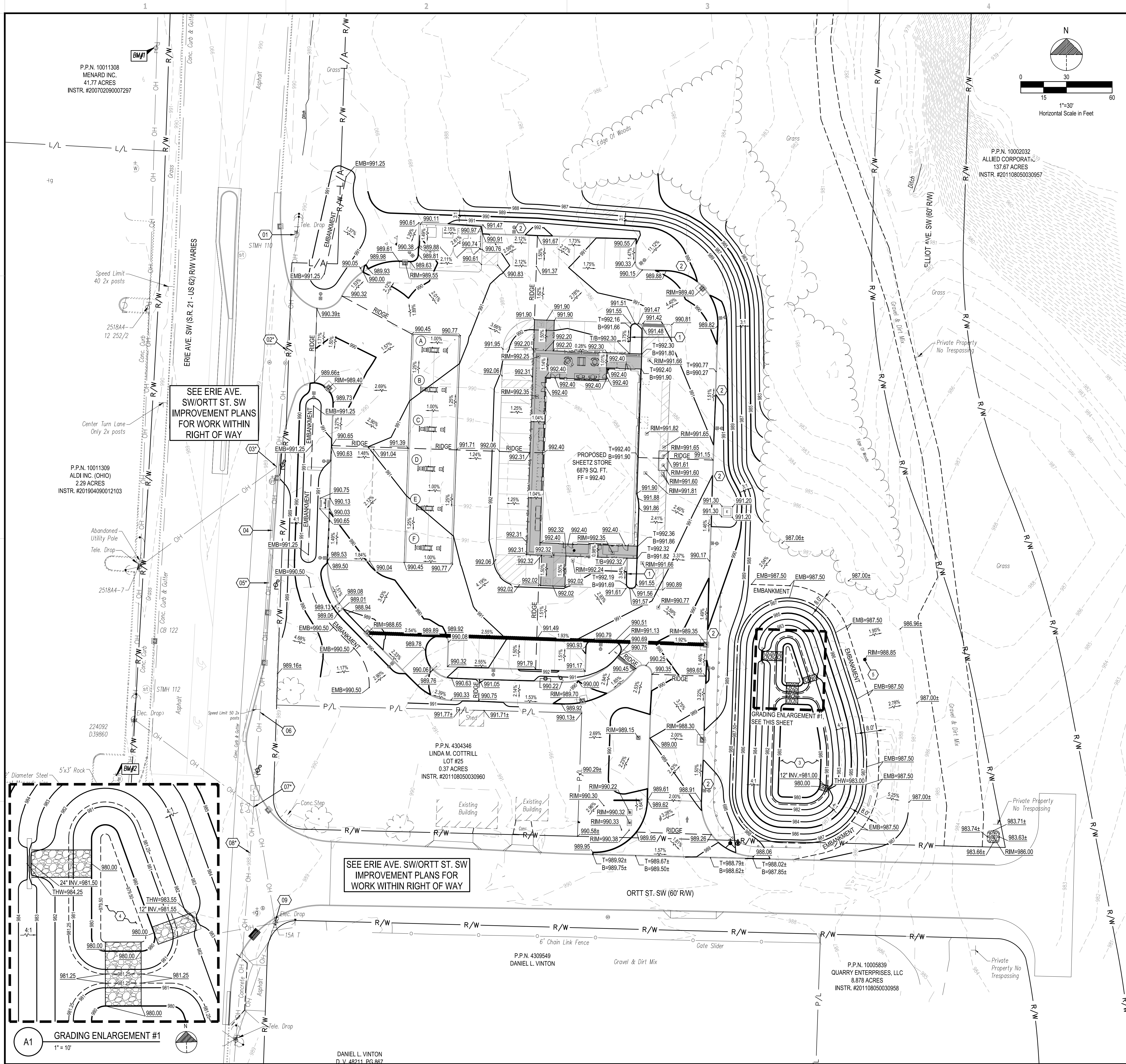
SHEETZ STORE 3544 ERIE AVE SW MASSILLON (PERRY TOWNSHIP), OH 44846	
KEYNOTE SITE PLAN	

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO. 2020117.09

C-112



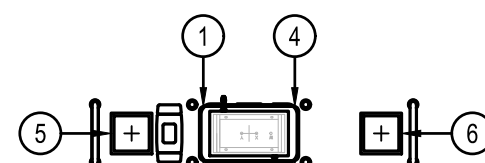
GRADING KEYNOTES

- PROPOSED CURB TRANSITION FROM ZERO CURB TO 6" CURB. SEE SPOT GRADES.
- PROVIDE 5-FOOT WIDE SOFT SLOPING BENCH BEHIND CURB. AREA TO GRADE AWAY FROM CURB AT 2%.
- PROPOSED STORMWATER MANAGEMENT INFILTRATION BASIN. LEVEL BASIN BOTTOM = 980.00.
- PROPOSED FOREBAY. LEVEL BOTTOM = 979.50.
- CONTRACTOR SHALL BUILD UP FINISHED GRADE AROUND PROPOSED MANHOLE TO BE WITHIN 6" OF SPECIFIED RIM ELEVATION. ENSURE AREA POSITIVELY DRAINS AROUND STRUCTURE.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- 000 EXISTING CONTOUR
- PROPOSED CONTOUR
- XXX.XX± MATCH EXISTING GRADE ELEVATION
- XXX.XX PROPOSED ELEVATION AT FINISHED PAVEMENT/GROUND AND FACE OF 6" CURB (WHEN APPLICABLE)
- T=XXX.XX TOP OF CURB ELEVATION
- B=XXX.XX BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- RIM=XXX.XX PROPOSED STRUCTURE RIM ELEVATION
- THW=XXX.XX PROPOSED GROUND ELEVATION AT TOP OF HEADWALL
- EMB=XXX.XX PROPOSED EMBANKMENT ELEVATION
- XX' INV.=XXX.XX PROPOSED STORM PIPE INVERT ELEVATION AT HEADWALL
- ADA LIMITS OF ADA ROUTING
- 0.0% PROPOSED DRAINAGE SLOPE & DIRECTION
- (A) PROPOSED CANOPY ISLAND
- FF=XXX.XX FINISHED FLOOR ELEVATION OF BUILDING



ISLANDS A - F

ISLAND	1	2	3	4	5	6
A	T=991.15 B=990.69	T=991.15 B=990.72	T=991.15 B=990.77	T=991.15 B=990.74	990.66	990.81
B	T=991.47 B=991.01	T=991.47 B=991.04	T=991.47 B=991.09	T=991.47 B=991.06	990.98	991.13
C	T=991.80 B=991.34	T=991.80 B=991.37	T=991.80 B=991.42	T=991.80 B=991.39	991.31	991.46
D	T=991.80 B=991.34	T=991.80 B=991.37	T=991.80 B=991.42	T=991.80 B=991.39	991.31	991.46
E	T=991.47 B=991.01	T=991.47 B=991.04	T=991.47 B=991.09	T=991.47 B=991.06	990.98	991.13
F	T=991.15 B=990.69	T=991.15 B=990.72	T=991.15 B=990.77	T=991.15 B=990.74	990.66	990.81

OVERHEAD LINE LOW WIRE

- 01 OVERHEAD ELEVATION: 1010.23±
EX. GR. ELEVATION: 989.68±
- 02 OVERHEAD ELEVATION: 1010.38±
EX. GR. ELEVATION: 988.95
- 03 OVERHEAD ELEVATION: 1012.21±
EX. GR. ELEVATION: 988.56
- 04 OVERHEAD ELEVATION: 1011.07±
EX. GR. ELEVATION: 988.24
- 05 OVERHEAD ELEVATION: 1010.98±
EX. GR. ELEVATION: 988.08
- 06 OVERHEAD ELEVATION: 1007.47±
EX. GR. ELEVATION: 988.60±
- 07 OVERHEAD ELEVATION: 1010.41±
EX. GR. ELEVATION: 987.77
- 08 OVERHEAD ELEVATION: 1007.45±
EX. GR. ELEVATION: 987.36
- 09 OVERHEAD ELEVATION: 1010.80±
EX. GR. ELEVATION: 987.40

* LOCATION OF EXISTING POLE/OVERHEAD WIRE TO BE REMOVED AS PART OF THE ROADWAY DEVELOPMENT. NEW LOW WIRE (LINE SAG) SHALL BE A MINIMUM 17'-0" ABOVE FINISHED GRADE WHEN WIRE CROSSES DRIVE PATH TO ALLOW FOR THE PASSING OF SEMI-TRUCK TRAFFIC. COORDINATE WITH SHEETZ CONSTRUCTION MANAGER AND UTILITY COMPANY.

COORDINATE ALL SITE WORK WITH ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

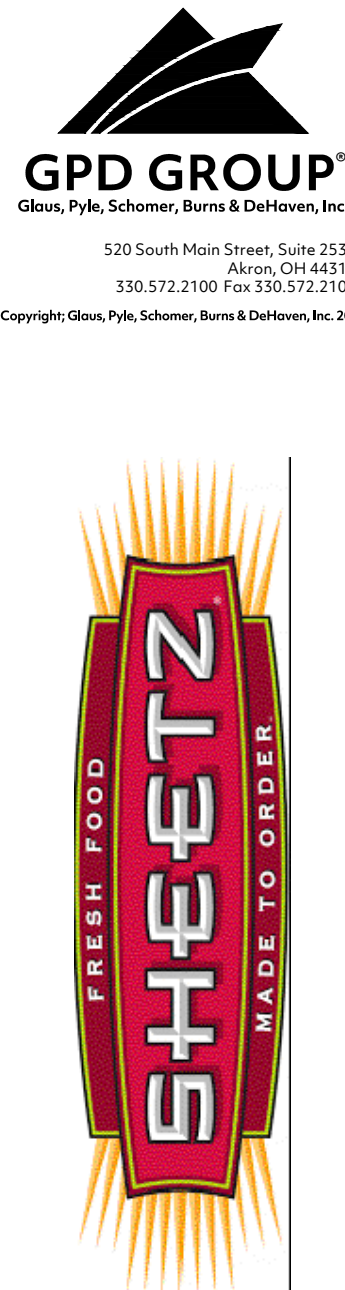
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SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

GRADING PLAN

ISSUED FOR:	
PERMIT	01/31/2023
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PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-121

PROPOSED STRUCTURE TABLE	
Structure Name	Structure Details
CB-01	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (N,S,W)* RIM = 989.35 24" HDPE INV (E)=981.76 18" HDPE INV (N)=982.26 15" HDPE INV (W)=982.51 12" HDPE INV (S)=982.76
CB-02	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (SE,SW,NW)* RIM = 989.40 18" HDPE INV (S)=983.87 15" HDPE INV (W)=984.12
CB-03	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (E,S,W)* RIM = 989.55 15" HDPE INV (E)=985.47 12" HDPE INV (SW)=985.72
CB-04	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (NE,SE,NW)* RIM = 989.40 12" HDPE INV (NE)=986.40
CB-05	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (NE,SE,NW)* RIM = 988.65 15" HDPE INV (E)=985.40
CB-06	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (N,S,W)* RIM = 988.30 12" HDPE INV (N)=984.86 12" HDPE INV (W)=984.86
CB-07	PROP. ODOT 2-B CATCH BASIN WITH EJIW 6500 BEEHIVE DITCH GRATE PER ODOT STD DWG 2-B (OR APPROVED EQUAL) RIM = 989.15 12" HDPE INV (E)=986.15 12" HDPE INV (NW)=986.15
CB-08	PROP. ODOT 3A CATCH BASIN WITH CONCRETE APRON AND DIAGONAL GRATE PER ODOT STD DWG CB-3A (OR APPROVED EQUAL) 4" FINGER DRAIN (N,E,W)* RIM = 989.70 12" HDPE INV (SE)=986.70
CB-09	PROP. ODOT 2-B CATCH BASIN WITH EJIW 5110 TYPE M3 GRATE PER ODOT STD DWG 2-B (OR APPROVED EQUAL) RIM = 986.00 12" RCP INV (W)=981.34
MH-01	PROPOSED 48-INCH DIA. STORM MANHOLE PER ODOT STANDARD DWG. MH-3 (OR APPROVED EQUAL) RIM = 988.85 12" HDPE INV (W)=981.88 12" HDPE INV (SE)=981.88

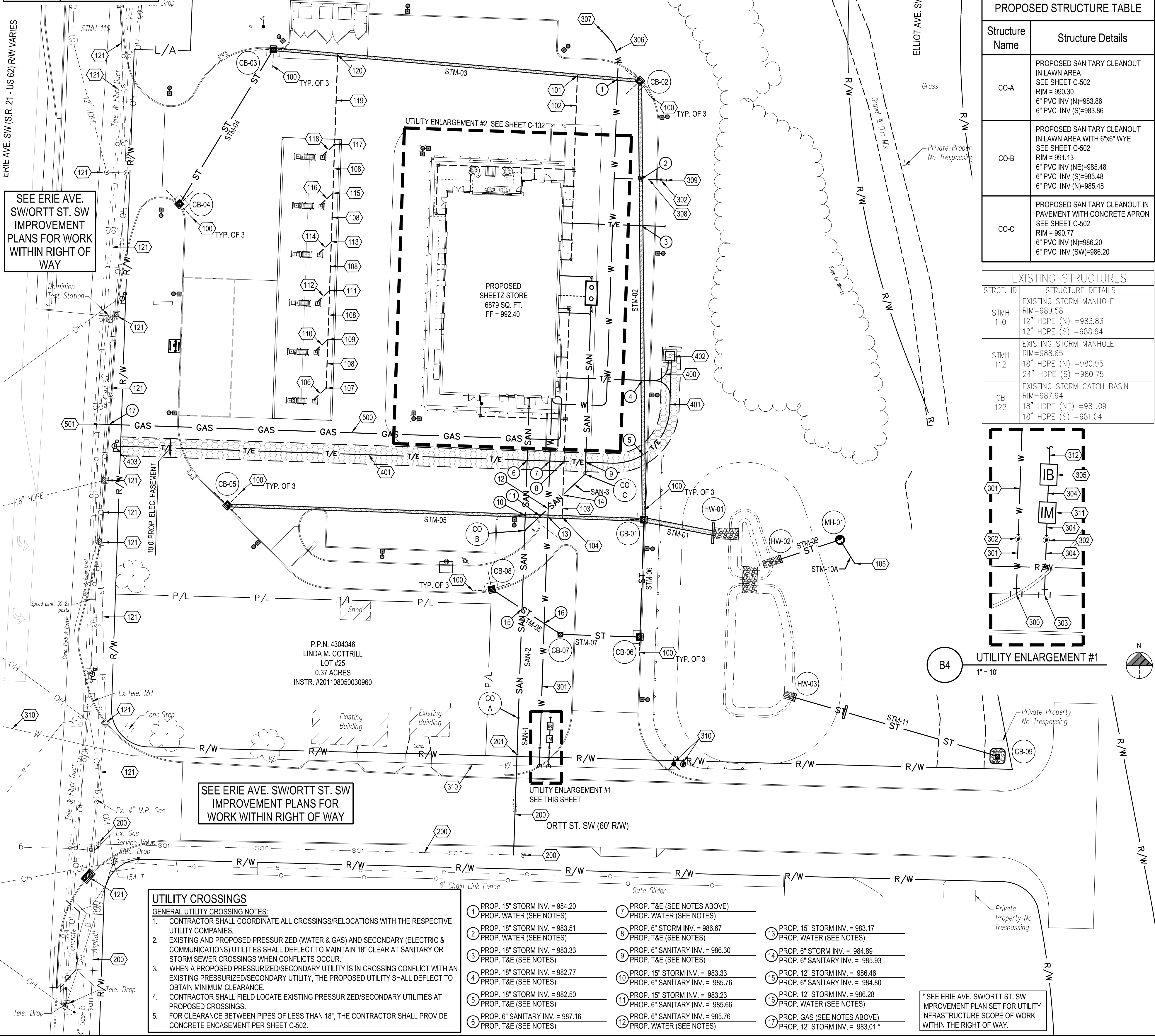
PROPOSED HEADWALLS	
Structure Name	Structure Details
HW-01	PROPOSED FULL HEIGHT HEADWALL SEE SHEET C-502 24" HDPE INV (W)=981.50
HW-02	PROPOSED FULL HEIGHT HEADWALL SEE SHEET C-502 12" HDPE INV (E)=981.55
HW-03	PROPOSED FULL HEIGHT HEADWALL SEE SHEET C-502 12" RCP INV (E)=981.00

* FINGER DRAIN INVERT SHALL MATCH THE BOTTOM OF THE PAVEMENT AGGREGATE BASE

Pipe Table	
Pipe Name	Design
STM-01	38 LF OF 24" HDPE @ 0.68%
STM-02	234 LF OF 18" HDPE @ 0.69%
STM-03	196 LF OF 15" HDPE @ 0.69%
STM-04	97 LF OF 12" HDPE @ 0.70%
STM-05	222 LF OF 15" HDPE @ 1.30%
STM-06	63 LF OF 12" HDPE @ 3.36%
STM-07	42 LF OF 12" HDPE @ 3.05%
STM-08	44 LF OF 12" HDPE @ 1.25%
STM-09	34 LF OF 12" HDPE @ 0.98%
STM-10A	15 LF OF 12" HDPE @ 0.98%
STM-11	113 LF OF 12" RCP @ 0.30%

LEGEND	
(SEE SHEET C-001 FOR GENERAL LEGEND)	
	PROPOSED 6" DOWNSPOUT & COLLECTOR LINE
	PROPOSED STORM SEWER (12" AND SMALLER)
	PROPOSED STORM SEWER (LARGER THAN 12")
	PROPOSED SANITARY SEWER
	PROPOSED WATER SERVICE
	PROPOSED GAS SERVICE
	PROPOSED UNDERGROUND ELECTRIC AND TELECOMMUNICATION SERVICE
	PROPOSED ELECTRIC EASEMENT

	APPURTENANCES
	UTILITY CONSTRUCTION KEYNOTE
	PROPOSED LIGHTPOLE. SEE ELECTRICAL LIGHTING PLAN AND SHEET C-701. SEE SHEETZ PETROLEUM PLANS FOR ALL SITE WIRING.



GENERAL SHEET NOTES

- SEE SHEET C-001 AND C-002 FOR ADDITIONAL UTILITY NOTES AND SPECIFICATIONS.
- SEE SHEET C-504 FOR STARK COUNTY DETAILS.
- SEE SHEET C-505 FOR AQUA OHIO DETAILS

PLAN KEYNOTES (#)

STORM

- PROPOSED FINGER DRAIN. SEE PROPOSED STRUCTURE TABLE, THIS SHEET AND DETAIL ON SHEET C-502. FINGER DRAIN INVERT SHALL MATCH THE BOTTOM OF THE PAVEMENT AGGREGATE BASE.
- PROPOSED 6" INSERT-A-TEE CONNECTION TO 15" STORM SEWER. 15" INV. = 984.35. 6" INV. = 984.98.
- PROPOSED 50 L.F. OF 6" PVC @ 6.69%.
- PROPOSED 52 L.F. OF 6" PVC @ 10.01%.
- PROPOSED 6" INSERT-A-TEE CONNECTION TO 15" STORM SEWER. 15" INV. = 983.08. 6" INV. = 983.71.
- CONTRACTOR SHALL CAP STORM STUB WATER TIGHT.
- PROPOSED 10 L.F. OF 6" PVC @ 1.00%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED PAVEMENT CLEANOUT WITH CONCRETE APRON & WYE. SEE SHEET C-502. 6" INV. = 987.65.
- PROPOSED 26 L.F. OF 6" PVC @ 1.00%.
- PROPOSED WYE. SEE SHEET C-502. 6" INV. = 987.39.
- PROPOSED 10 L.F. OF 6" PVC @ 3.66%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED WYE. SEE SHEET C-502. 6" INV. = 987.13.
- PROPOSED 10 L.F. OF 6" PVC @ 6.32%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED WYE. SEE SHEET C-502. 6" INV. = 986.87.
- PROPOSED 10 L.F. OF 6" PVC @ 8.98%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED WYE. SEE SHEET C-502. 6" INV. = 986.61.
- PROPOSED 10 L.F. OF 6" PVC @ 11.64%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED PAVEMENT CLEANOUT WITH CONCRETE APRON & WYE. SEE SHEET C-502. 6" INV. = 986.35.
- PROPOSED 10 L.F. OF 6" PVC @ 14.30%. PROVIDE BEND FITTINGS AS REQUIRED FOR SHOWN ROUTING. 6" INV. AT CANOPY COLUMN = 987.75.
- PROPOSED 48 L.F. OF 6" PVC @ 1.00%.
- PROPOSED 6" INSERT-A-TEE CONNECTION TO 15" STORM SEWER. 15" INV. = 985.24. 6" INV. = 985.87.
- RIGHT OF WAY STORM INFRASTRUCTURE TO BE CONSTRUCTED PER ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET.

SANITARY

- RIGHT OF WAY SANITARY INFRASTRUCTURE TO BE CONSTRUCTED PER ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET.
- PROPOSED 6" SANITARY CONNECTION TO PROVIDED 6" STUB (ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET). CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CONNECTION WORK, INCLUDING ALL TESTING AND INSPECTIONS, WITH THE STARK COUNTY SANITARY ENGINEERS OFFICE. 6" STUB INV. = 983.54.

WATER

- PROPOSED 2" DOMESTIC SERVICE TAP PER AQUA OHIO STANDARDS AND SPECIFICATIONS.
- PROPOSED 2" DOMESTIC WATER LINE.
- PROPOSED CURB STOP PER AQUA OHIO STANDARDS AND SPECIFICATIONS.
- PROPOSED 1" IRRIGATION SERVICE TAP PER AQUA OHIO STANDARDS AND SPECIFICATIONS.
- PROPOSED 1" IRRIGATION SERVICE LINE.
- PROPOSED IRRIGATION BACKFLOW DEVICE. SEE IRRIGATION PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING REQUIREMENTS WITH AQUA OHIO AND SHEETZ CONSTRUCTION MANAGER.
- PROPOSED 2" WATER LINE.
- PROPOSED 2" WATER LINE CAP FOR FUTURE CONNECTION.
- PROPOSED 1" WATER LINE.
- PROPOSED 1" WATER LINE CAP FOR FUTURE CONNECTION.
- WATER INFRASTRUCTURE TO BE CONSTRUCTED PER ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET.
- PROPOSED VAULT WITH IRRIGATION METER. SEE IRRIGATION PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING REQUIREMENTS WITH AQUA OHIO AND SHEETZ CONSTRUCTION MANAGER.
- SEE IRRIGATION PLANS.

ELECTRIC AND COMMUNICATIONS

- PROPOSED SECONDARY ELECTRIC AND TELECOMMUNICATION SERVICE LINE. CONTRACTOR SHALL COORDINATE TELECOMMUNICATIONS SERVICE WITH SHEETZ IT DEPARTMENT AND SHEETZ CONSTRUCTION MANAGER.
- PROPOSED PRIMARY ELECTRIC AND TELECOMMUNICATIONS SERVICE LINE AND CONNECTION TO BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANIES.
- PROPOSED ELECTRICAL TRANSFORMER AND PAD PER FIRST ENERGY STANDARDS AND SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER.
- PROPOSED PRIMARY ELECTRIC SERVICE DROP AT FUTURE NEW POLE. CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY. SEE ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET FOR MORE INFORMATION ON FUTURE NEW POLE LOCATION.

GAS

- PROPOSED 2" GAS SERVICE LINE. CONTRACTOR SHALL COORDINATE FINAL SERVICE ROUTING WITH DOMINION ENERGY.
- PROPOSED CONNECTION TO MAIN PER DOMINION ENERGY STANDARDS AND SPECIFICATIONS.

COORDINATE ALL SITE WORK WITH ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

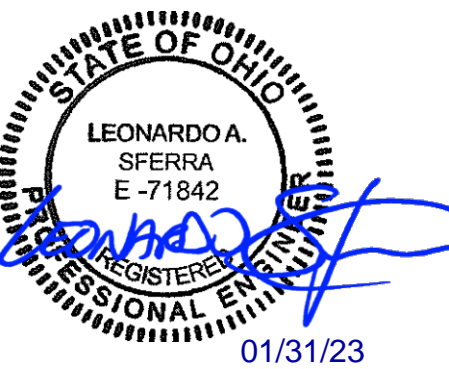
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BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240843. ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410. ELEVATION=986.48
SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



DESCRIPTION	DATE
REV.	



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44846

UTILITY PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-131

* SEE ERIE AVE. SWORTT ST. SW IMPROVEMENT PLAN SET FOR UTILITY INFRASTRUCTURE SCOPE OF WORK WITHIN THE RIGHT OF WAY.

STATE OF OHIO
LEONARDO A.
SFERRA
E-71842
REGISTERED PROFESSIONAL ENGINEER
01/31/23

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

PROFILE ALIGNMENT PLAN

PROJECT MANAGER	DESIGNER
JAL	MCC

C-133

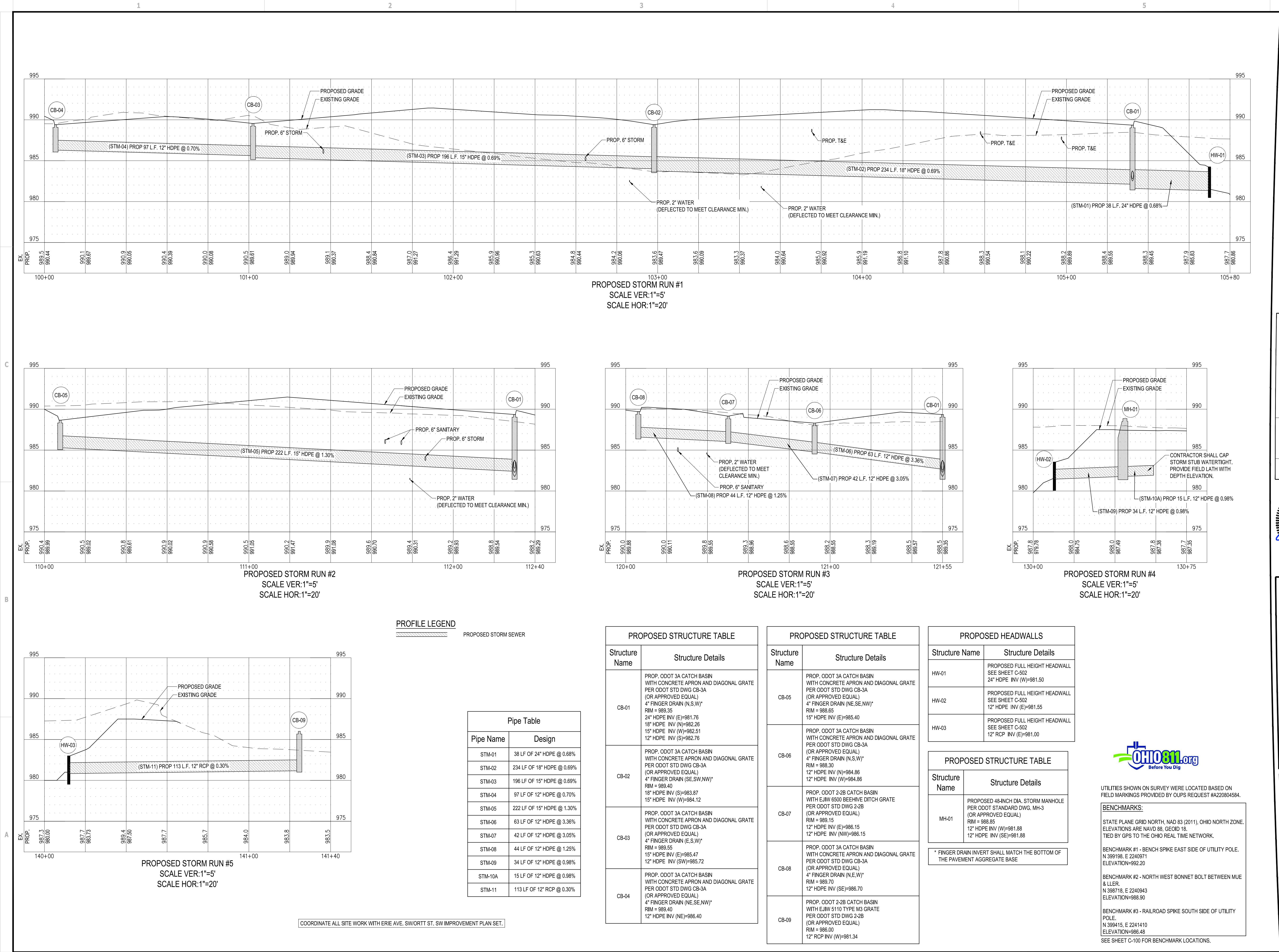


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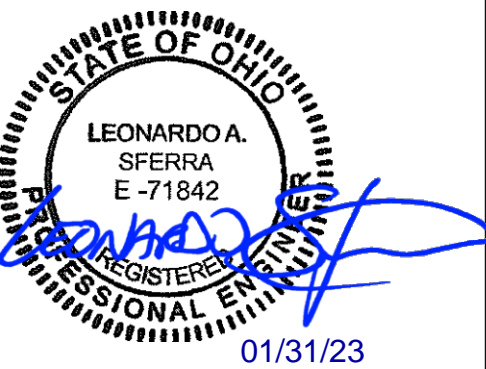
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N 399198. E 2240971
ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUI
& LLER.
N 398718, E 2240943

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY
POLE.
N 399415, E 2241410
ELEVATION=986.48



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

STORM PROFILES

ISSUED FOR:	
PERMIT	01/31/2023
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CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

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2020117.09

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STATE OF OHIO
LEONARDO A.
SFERRA
E-71842
REGISTERED PROFESSIONAL ENGINEER
01/31/23

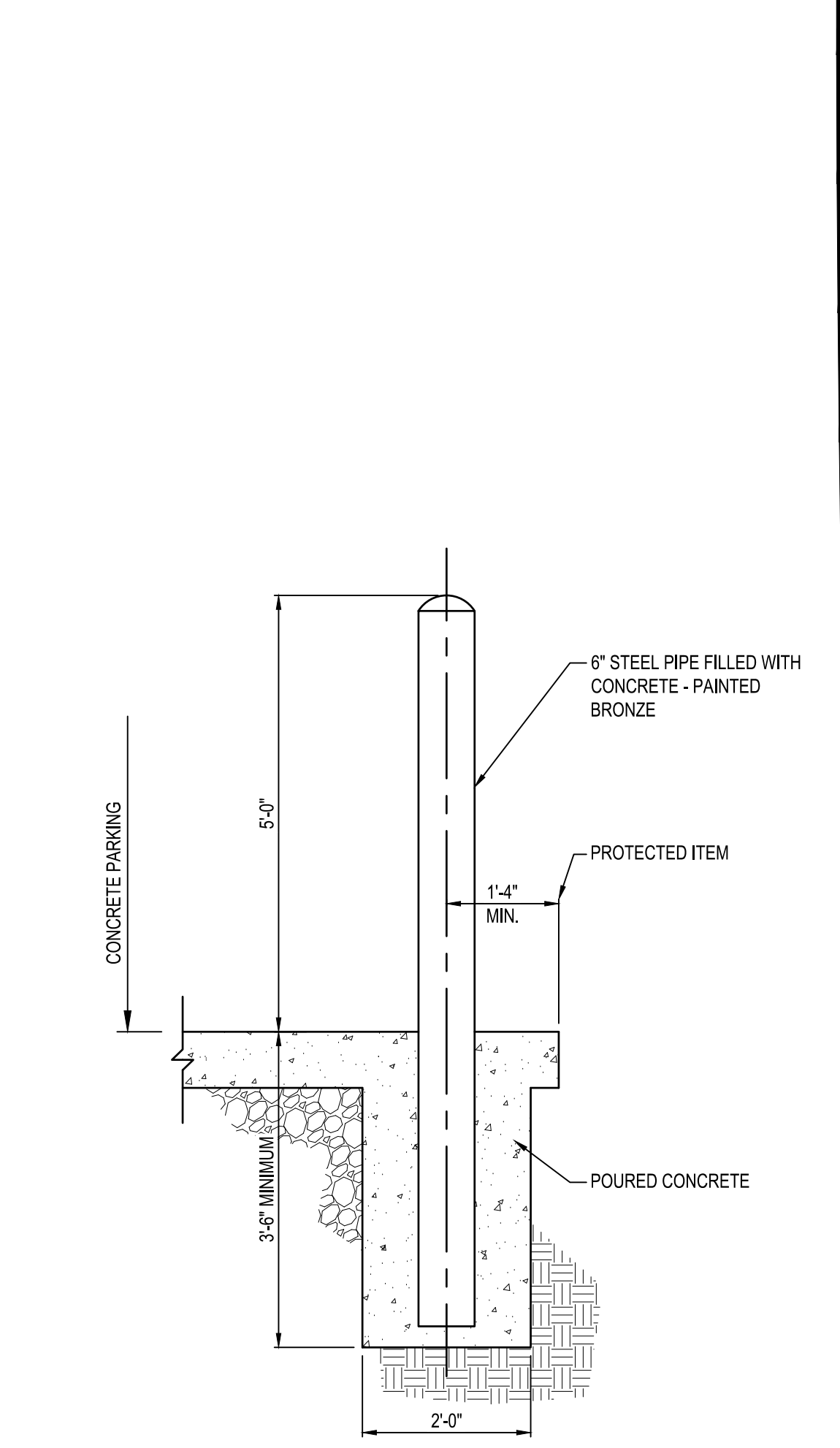
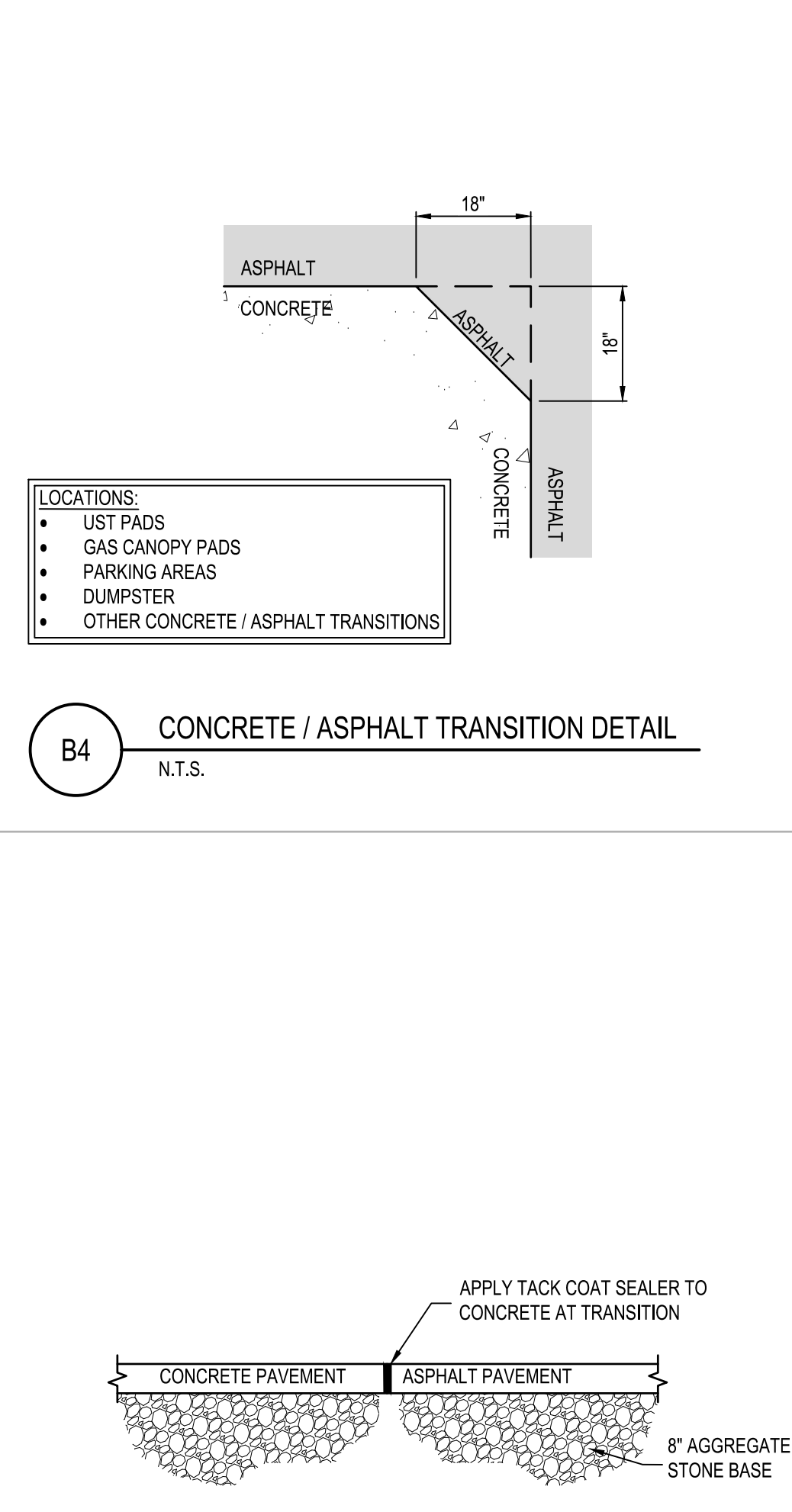
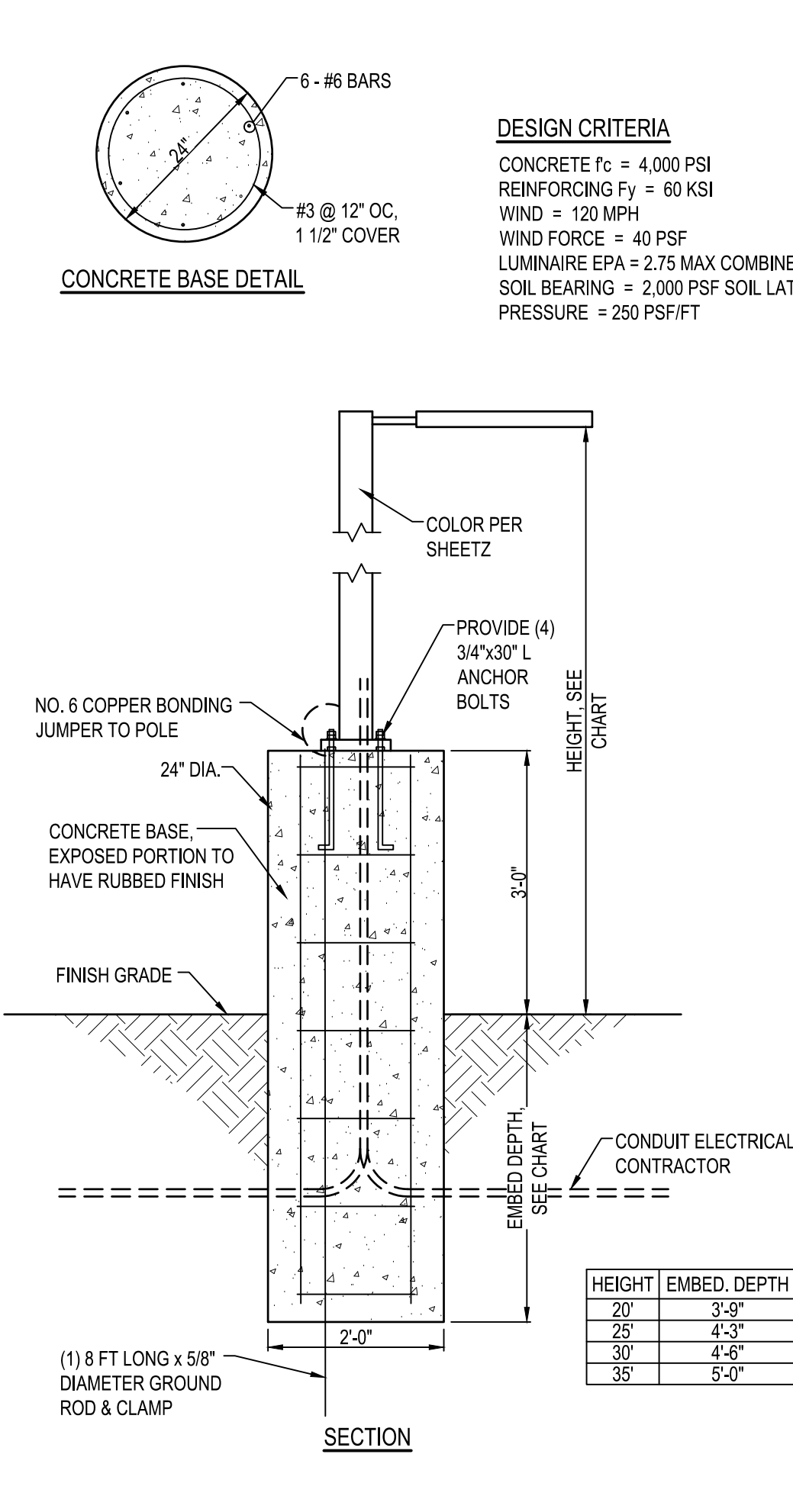
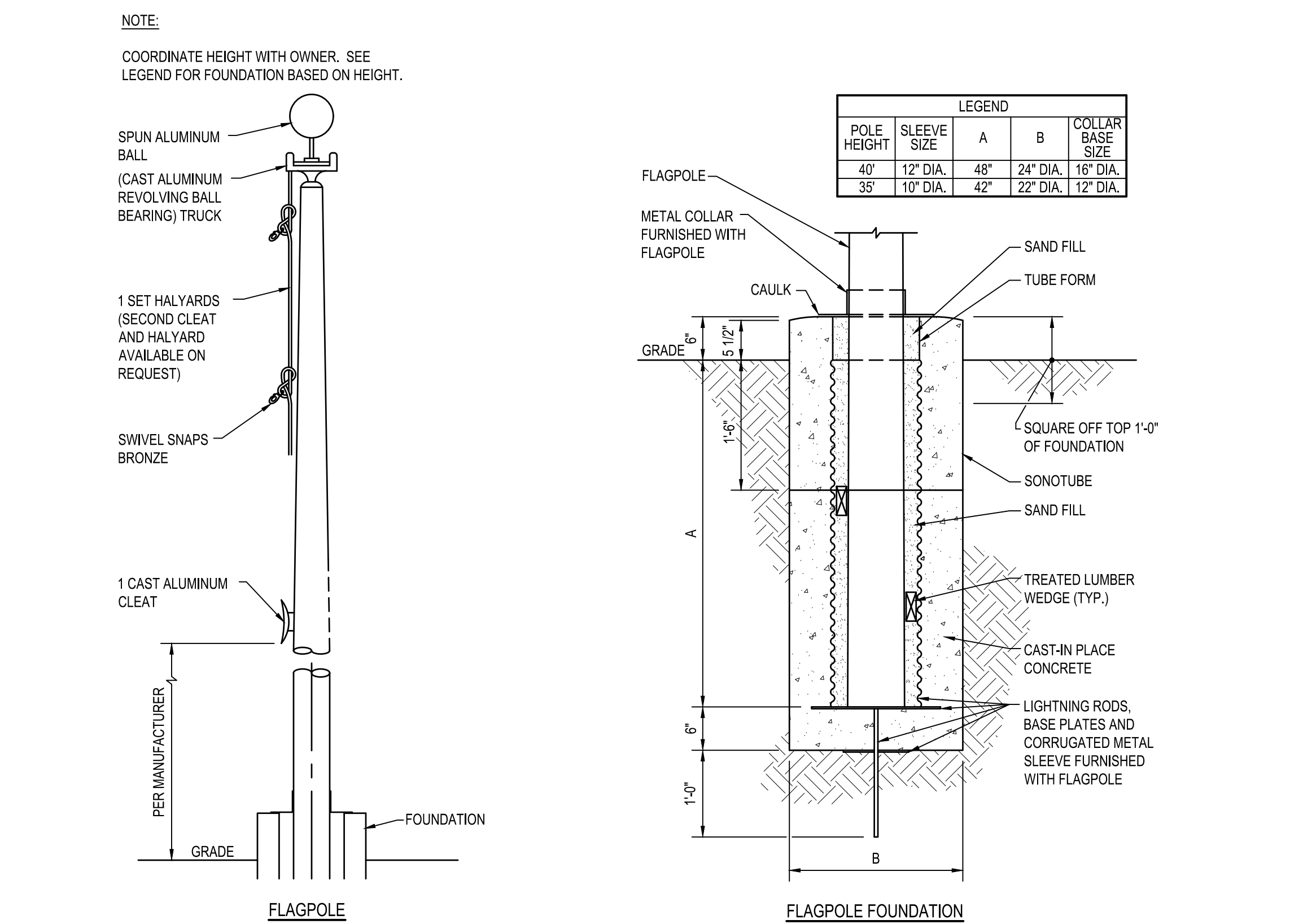
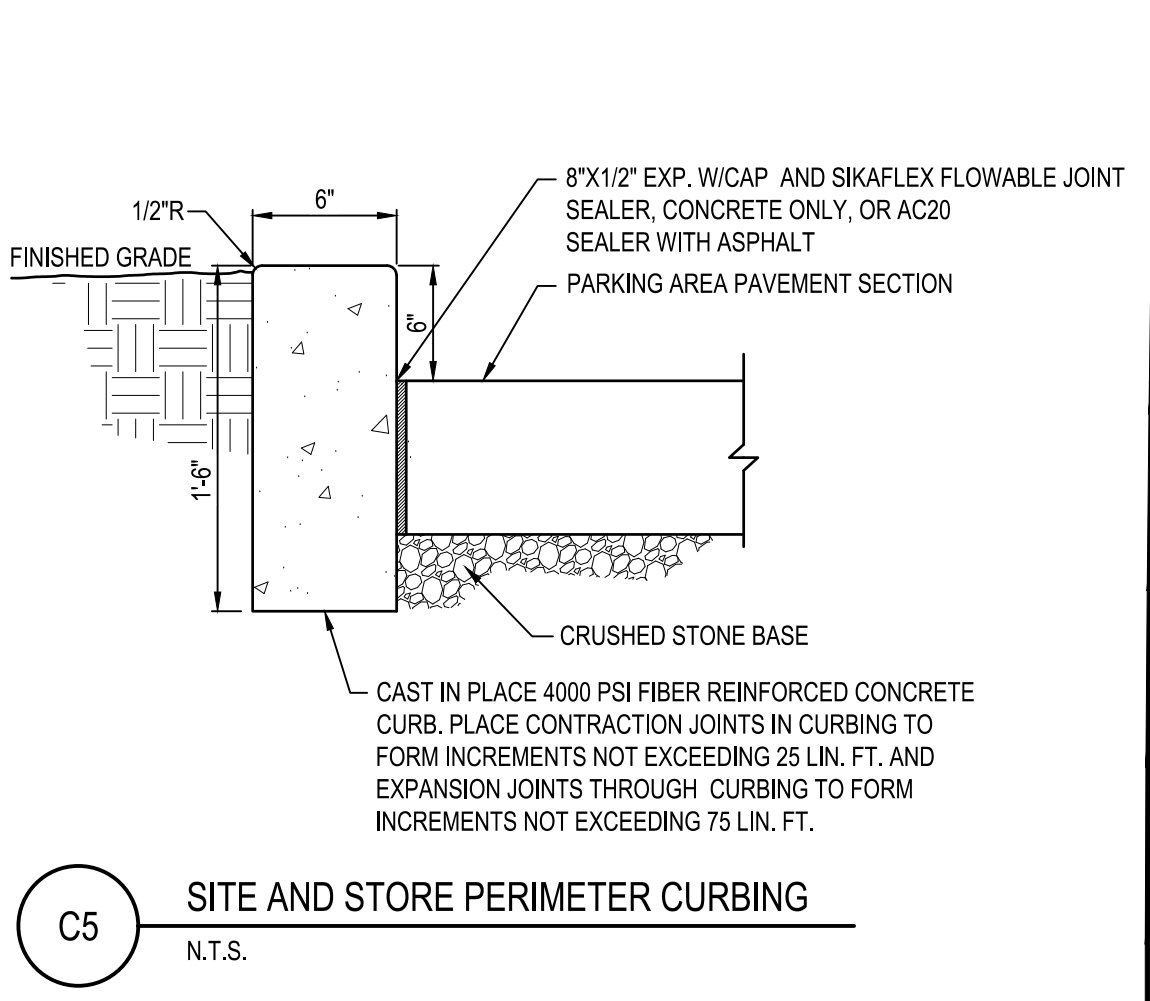
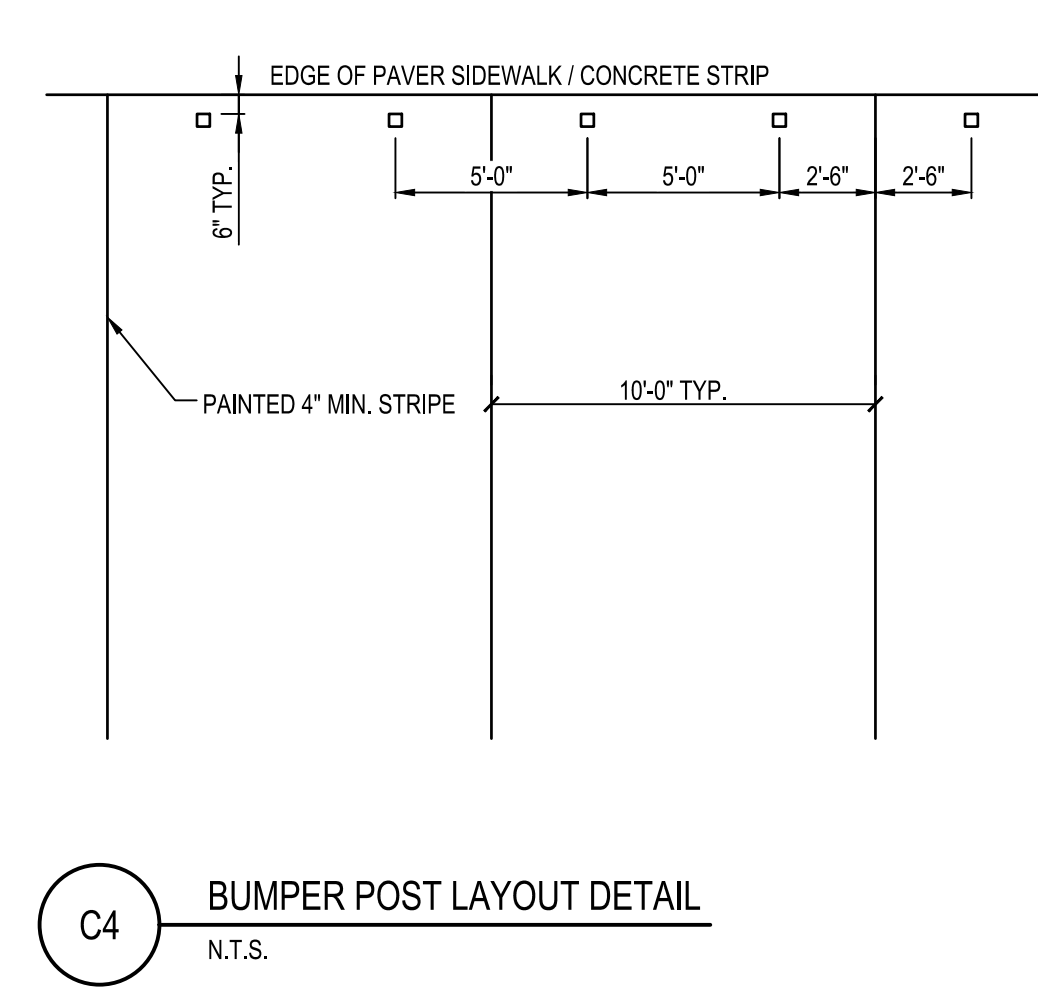
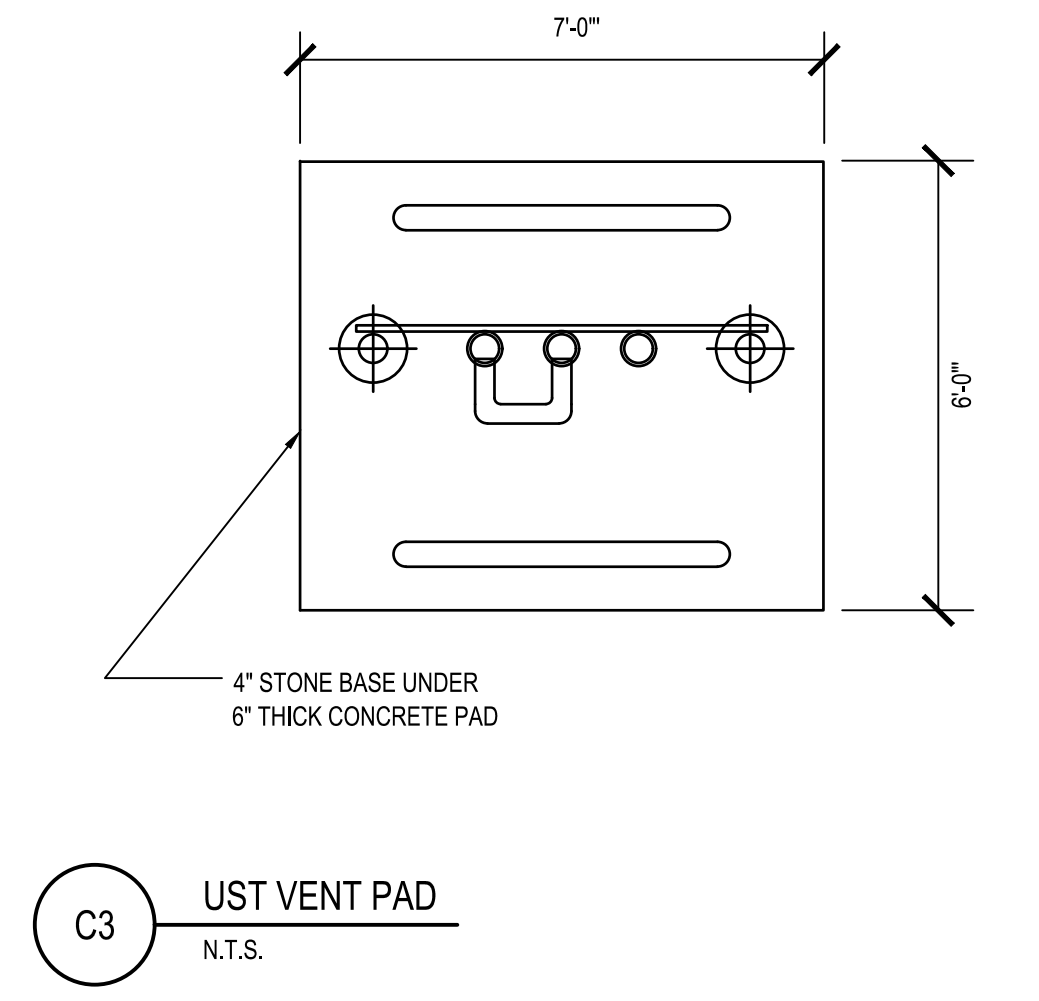
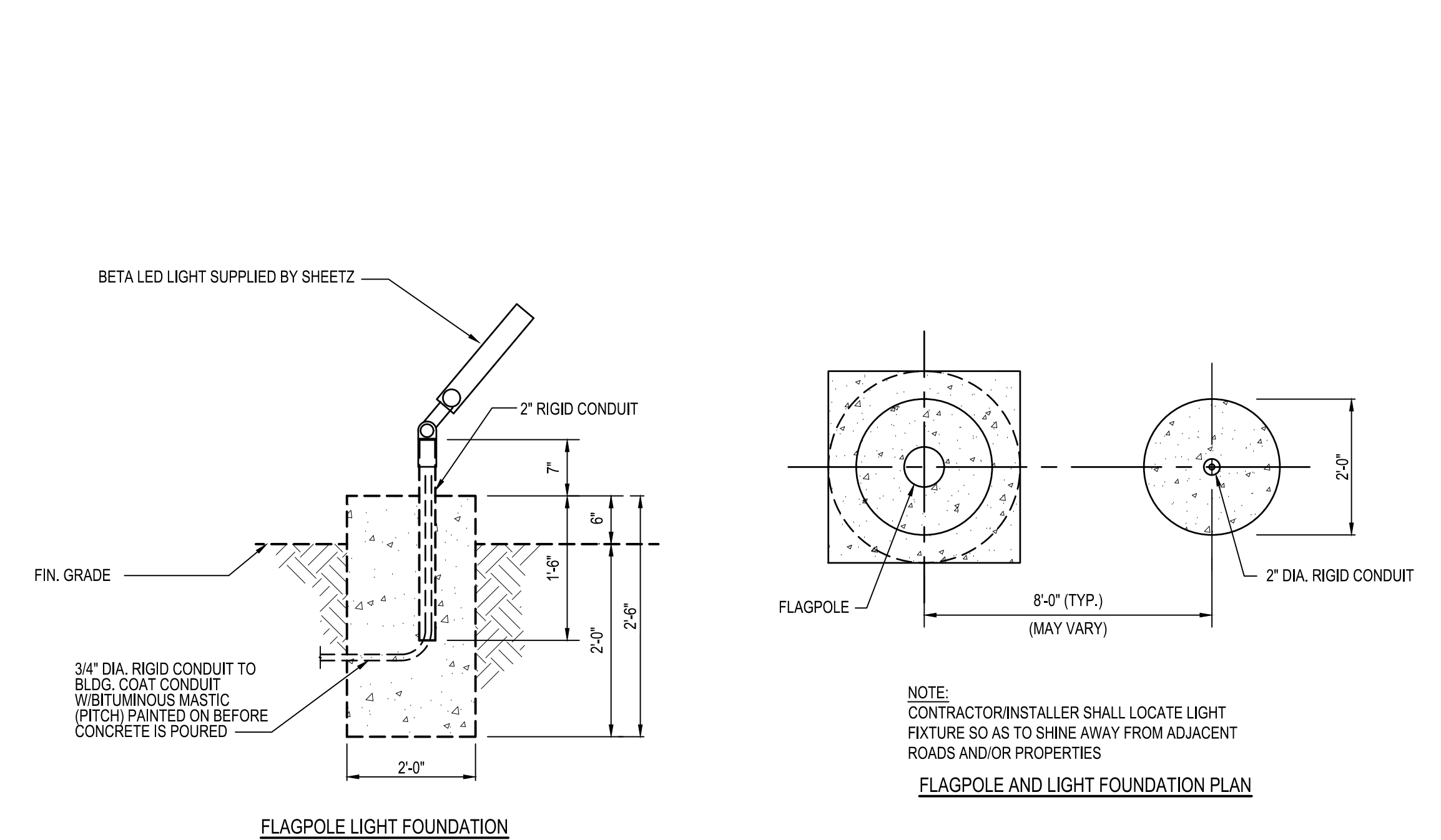
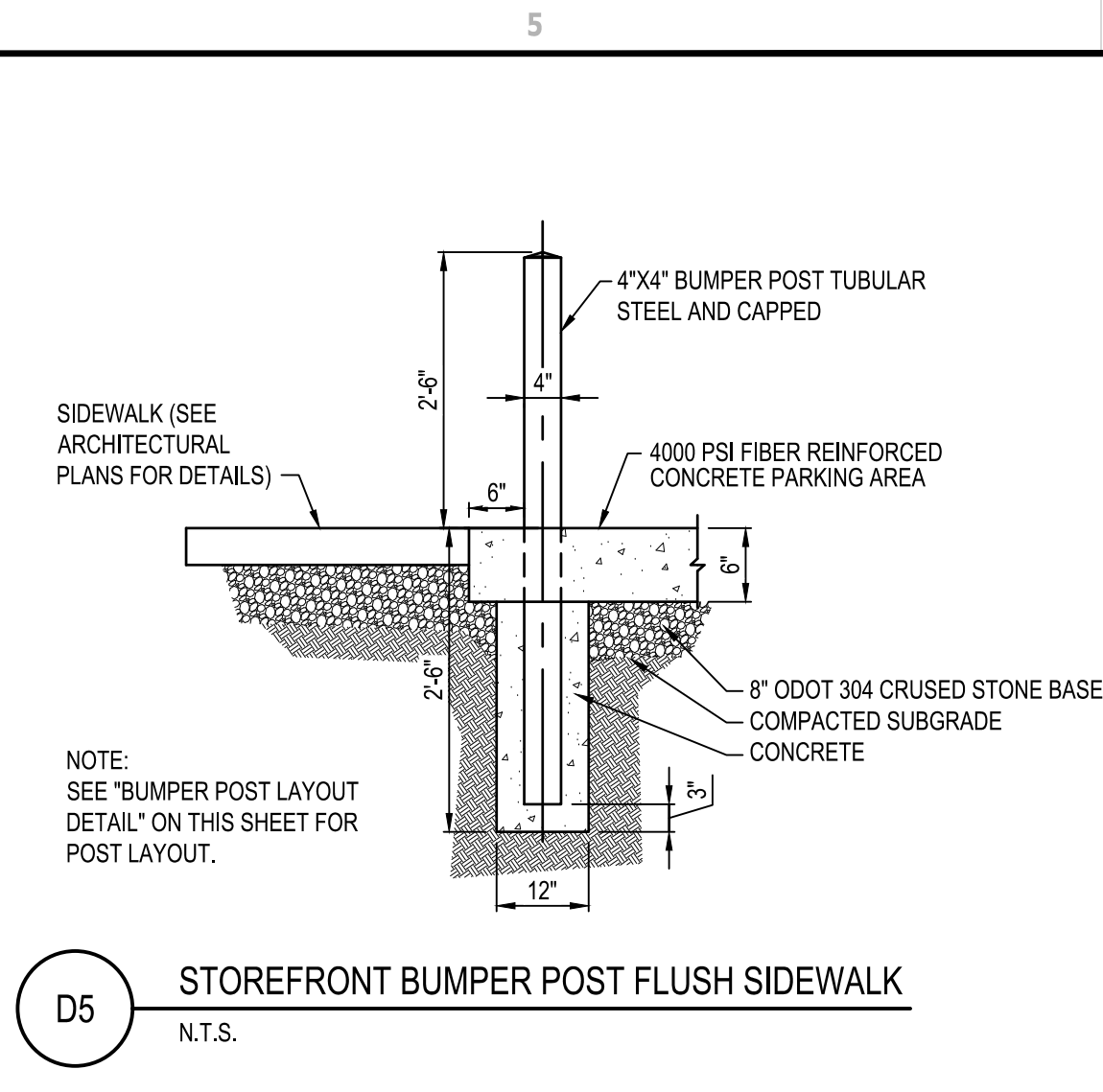
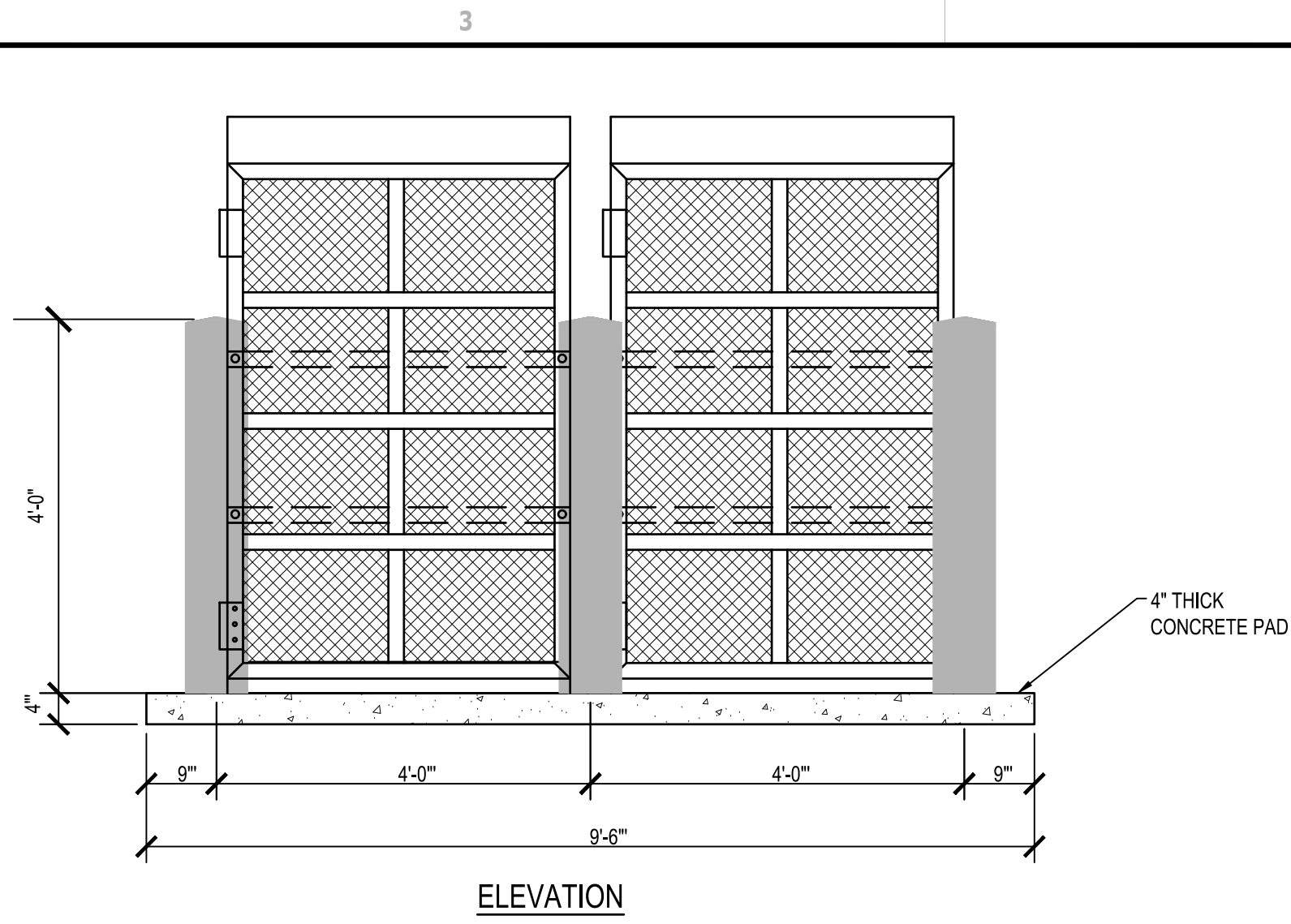
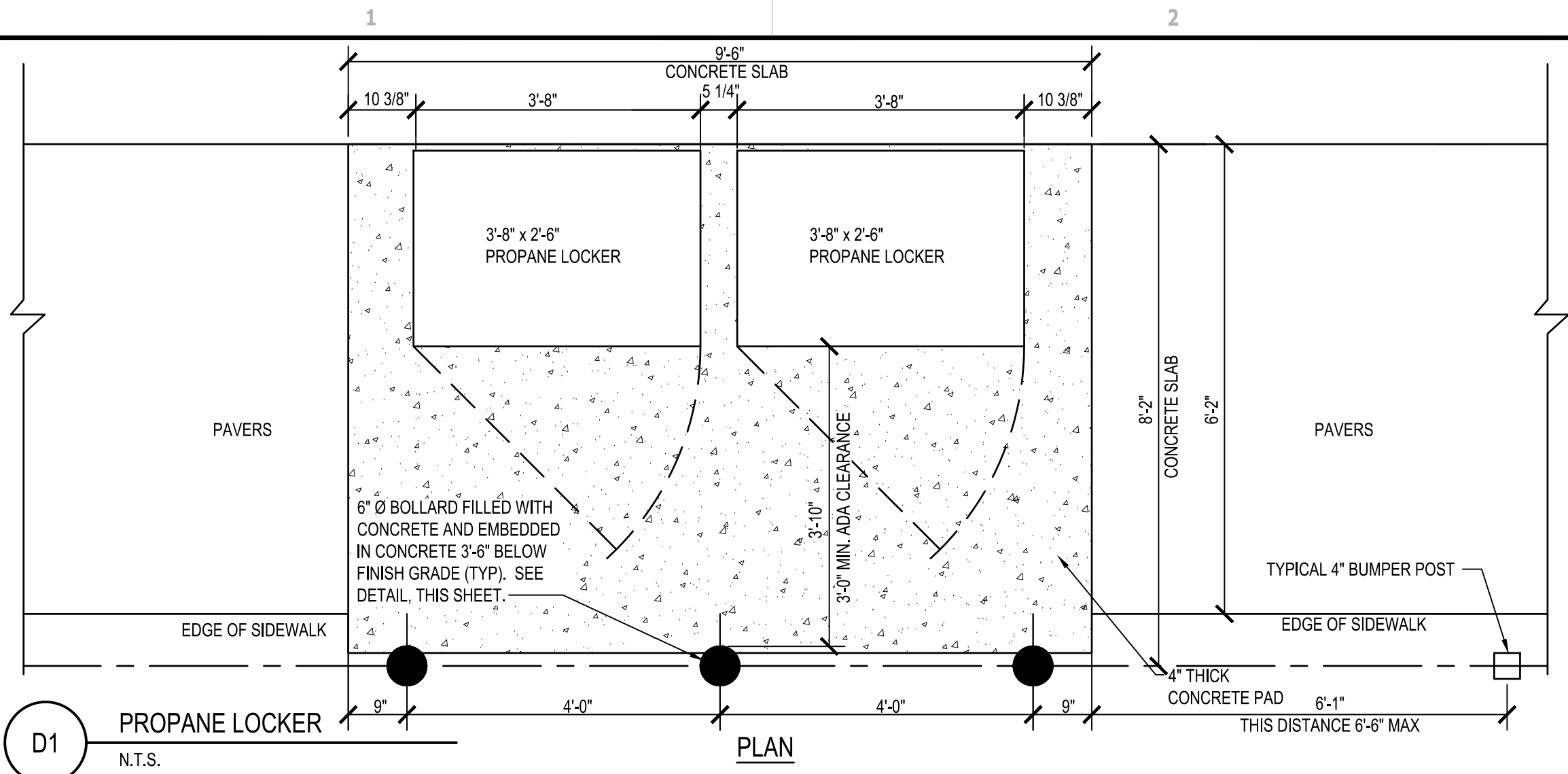
SANITARY PROFILES

C-135



BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY
POLE.
N 399415, E 2241410
ELEVATION=986.48

SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



GPD GROUP

Glenn, Pyke, Schumacher, Burns & DeHaven, Inc.

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Akron, OH 44311
330.572.2100 Fax 330.572.2101

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FRESH FOOD
SHEETZ
MADE TO ORDER

REV.	DATE	DESCRIPTION

FOR
REFERENCE
ONLY

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

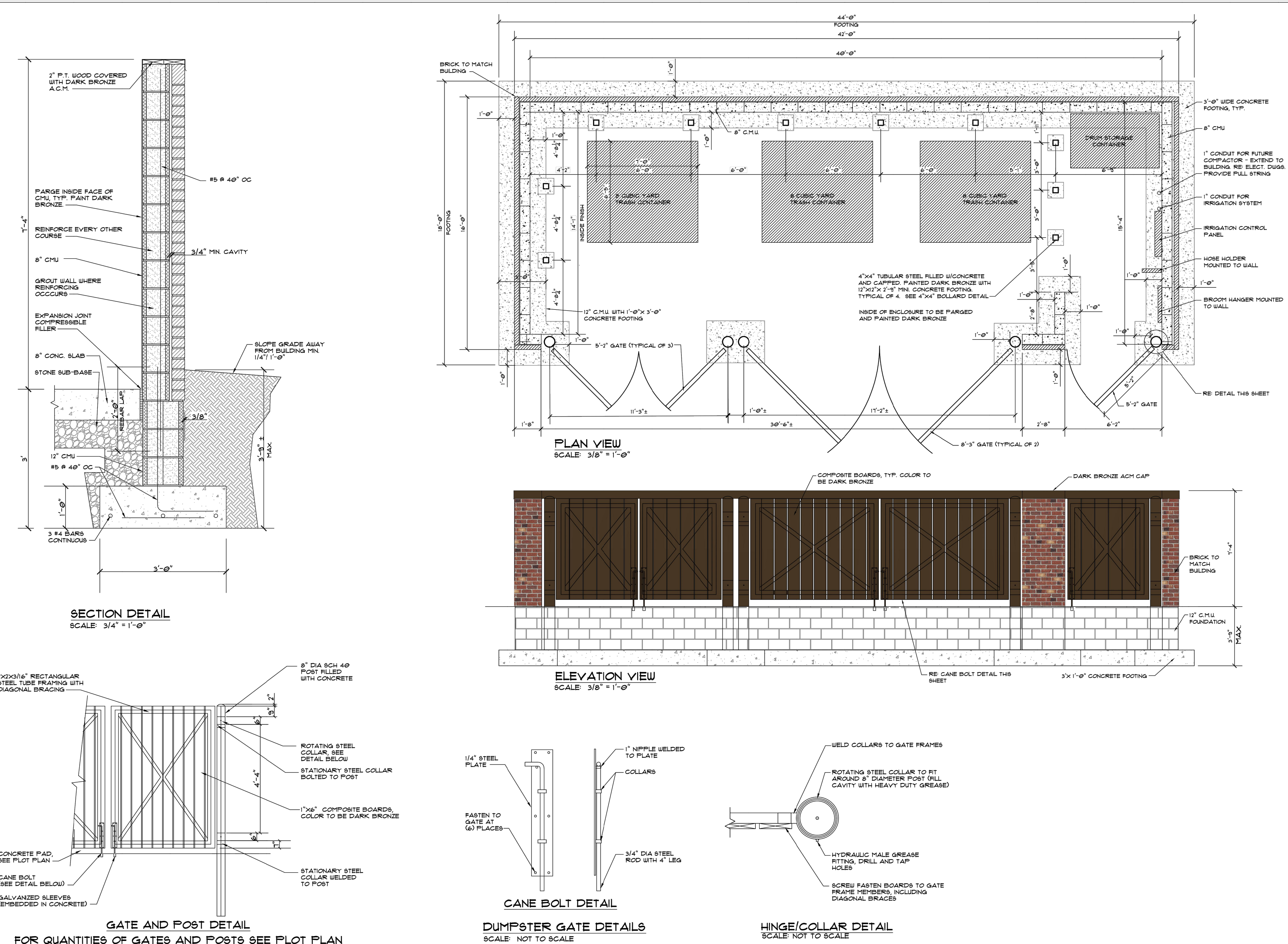
SHEETZ DETAILS

ISSUED FOR:	
PERMIT	01/31/2023
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CONSTRUCTION	
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PROJECT MANAGER	DESIGNER
JAL	MCC

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2020117.09

C-400

Drawing Name: C:\2020\202011709_Massillon\working Files\CSheets\202011709 CStore - Notes And Details.dwg
January 31, 2023 - modified



TRASH ENCLOSURE DETAILS FOR REFERENCE ONLY. SCALES SHOWN ARE NOT CORRECT AND SHOULD NOT BE USED TO SCALE OFF OF.

AIR MACHINE PAD NOTES:
ELECTRICAL NEEDS ARE A 120-VAC 30-AMP #10 WIRE. CIRCUITS WITH GROUND
POWER CONDUIT FROM BUILDING TO AIR MACHINE IS TO BE RIGID PVC WITH FIRST AND LAST 10' IN RIGID METAL CONDUIT AND EYS FITTINGS AT BOTH ENDS. TERMINATED IN RECESSED 6" PVC SLEEVE UNDER AIR MACHINE.
USE WEDGE ANCHOR BOLTS TO MOUNT AIR STAND.
BUMPER POSTS ARE 4" X 4" X 5'. TO BE PAINTED DARK BRONZE.
MAXIMUM DISTANCE FROM FINAL GRADE TO TOP BUTTON ON AIR MACHINE TO BE 48"



REV.	DATE	DESCRIPTION

FOR
REFERENCE
ONLY

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

SHEETZ DETAILS

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-401

Drawing Name: C:\2020\202011709_Massillon\working Files\C\Sheets\202011709 CStore - Notes And Details.dwg
January 31, 2023 - modified



REV.	DATE	DESCRIPTION



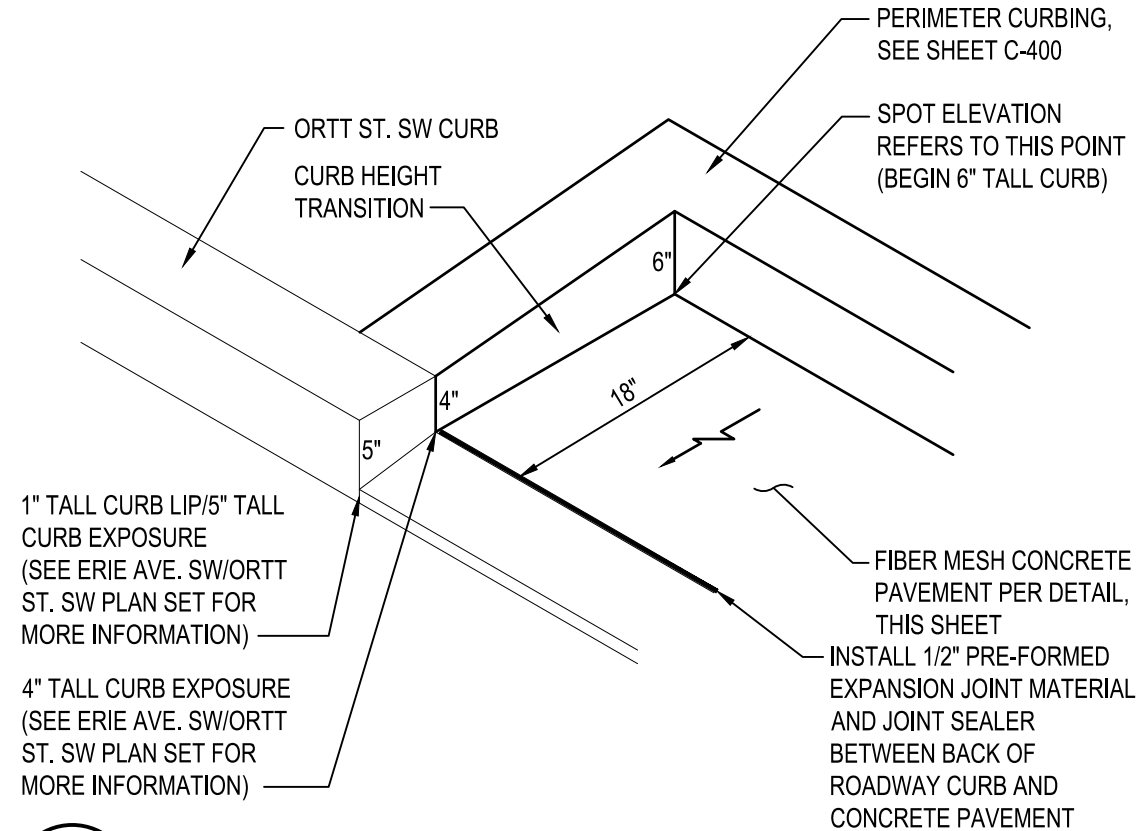
SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

DETAILS

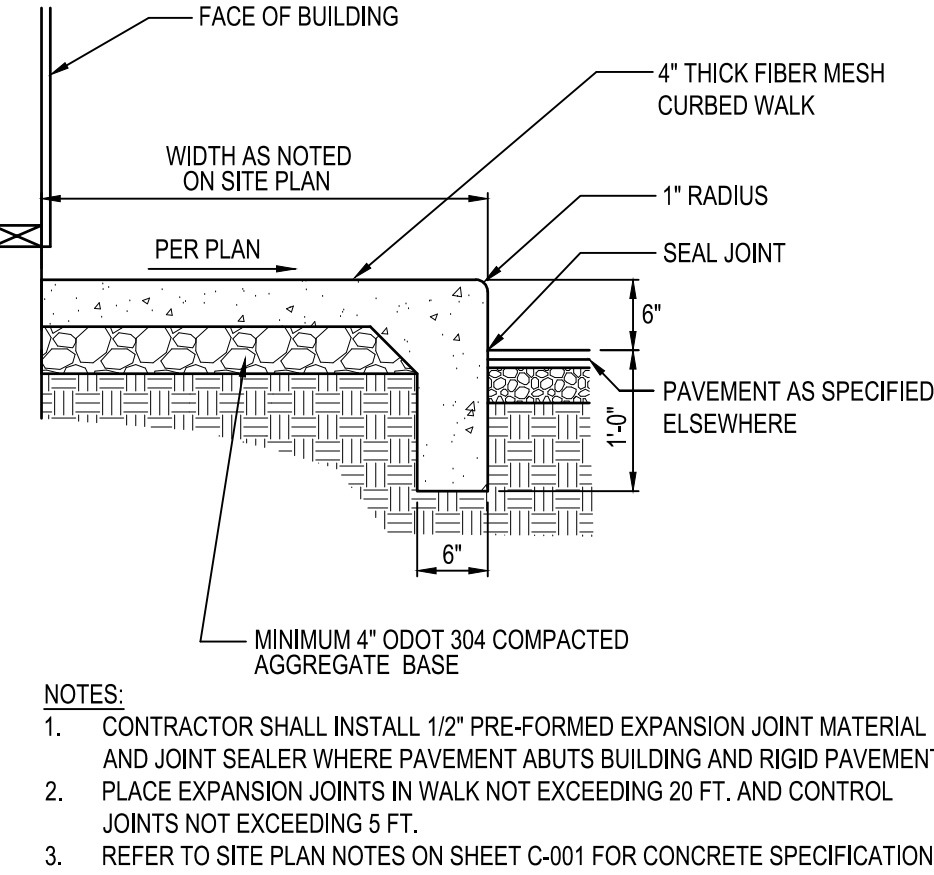
ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

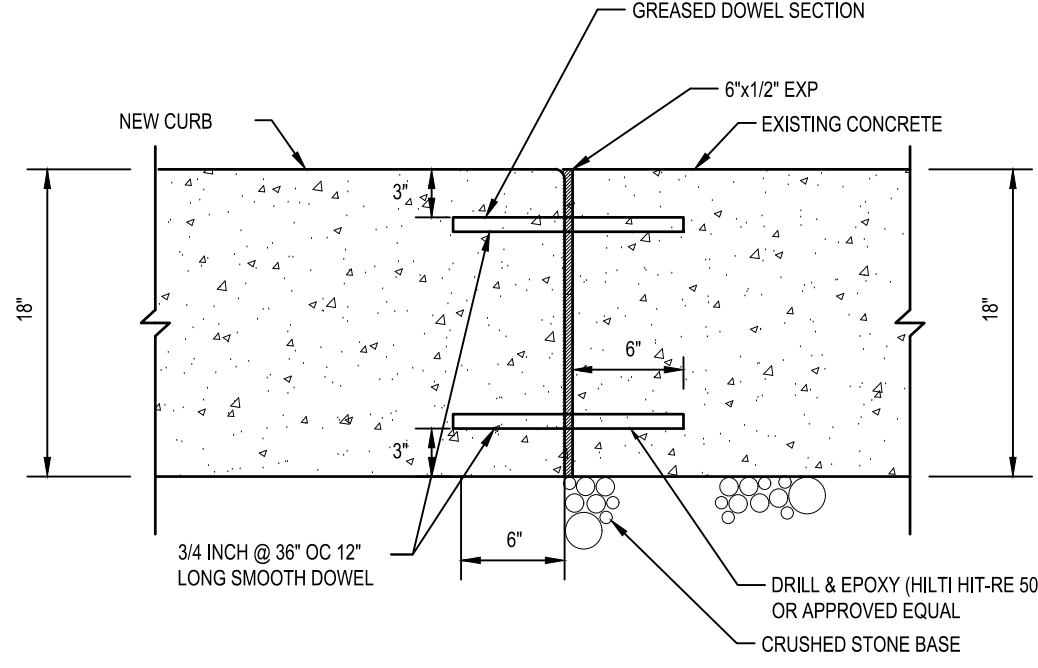
C-501



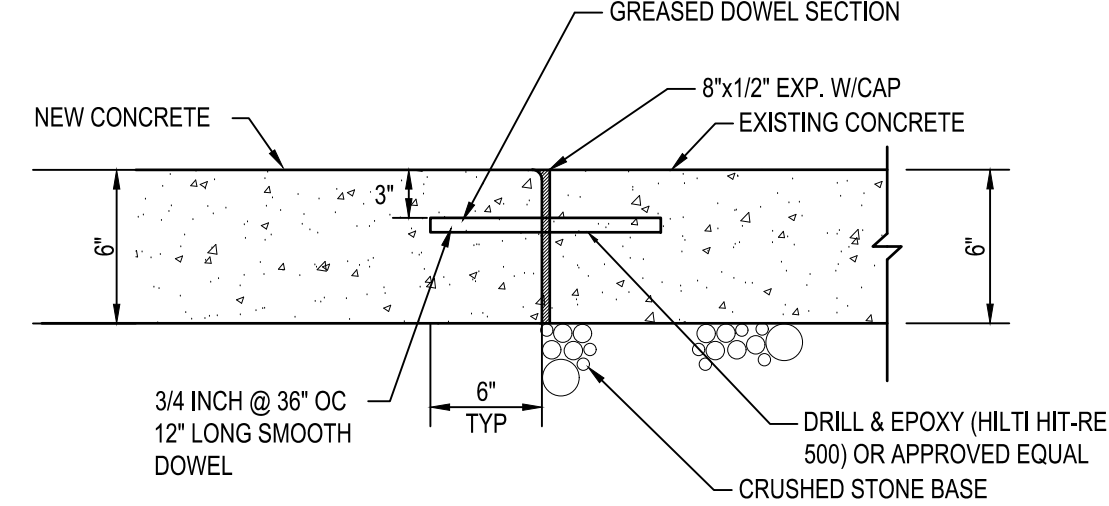
C2 APRON CURB CONNECT
N.T.S.



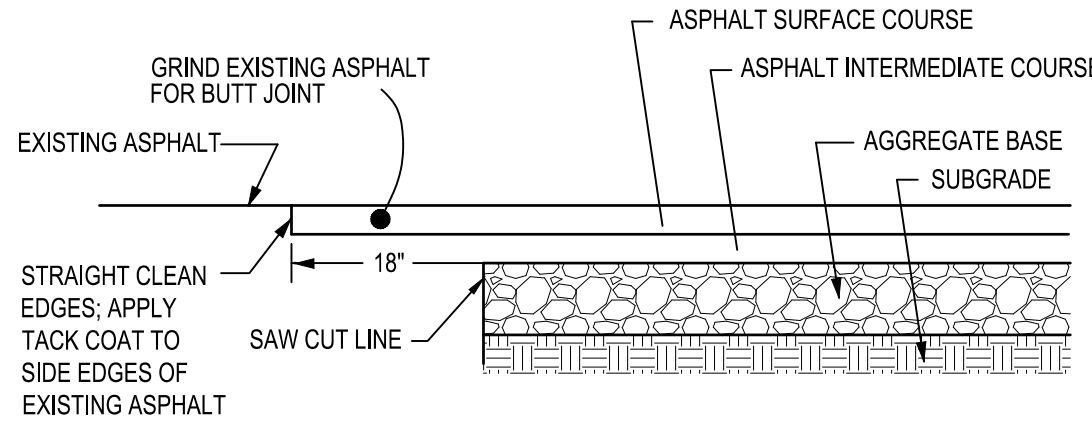
C3 FIBER MESH CURBED WALK
N.T.S.



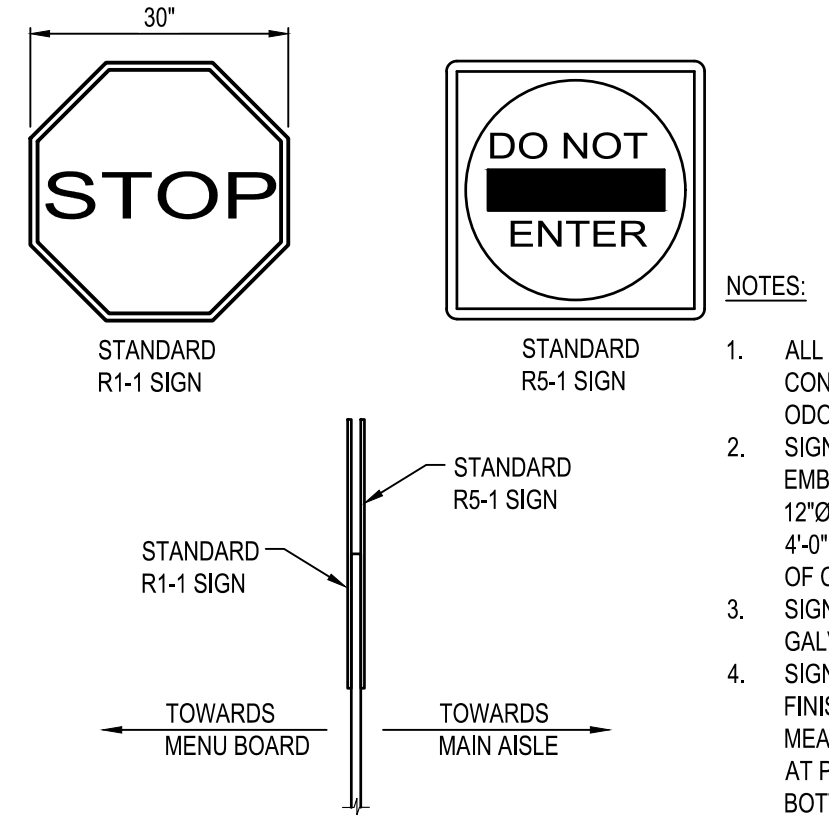
C4 CURB TO CURB DOWEL JOINT
N.T.S.



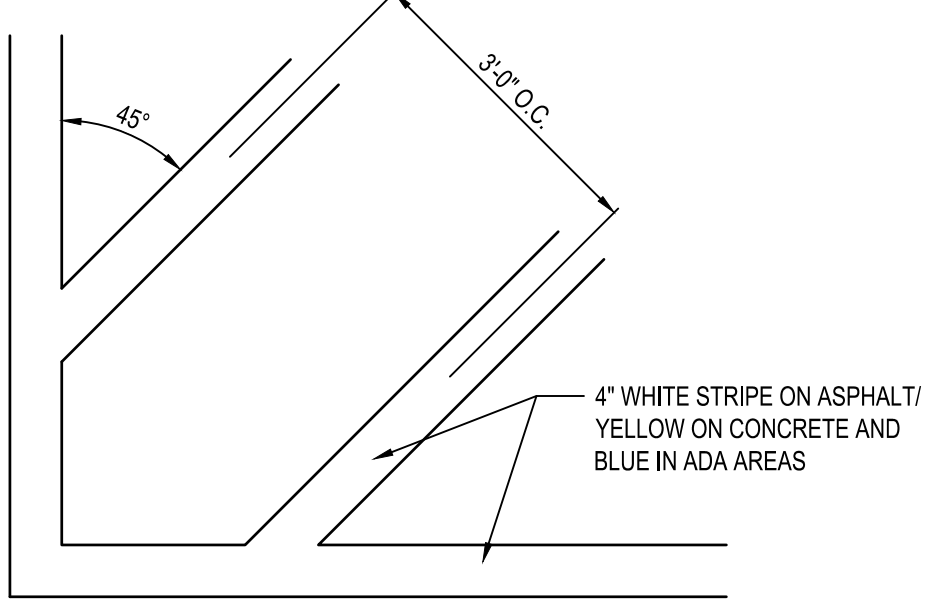
C5 CONCRETE TO CONCRETE DOWEL JOINT
N.T.S.



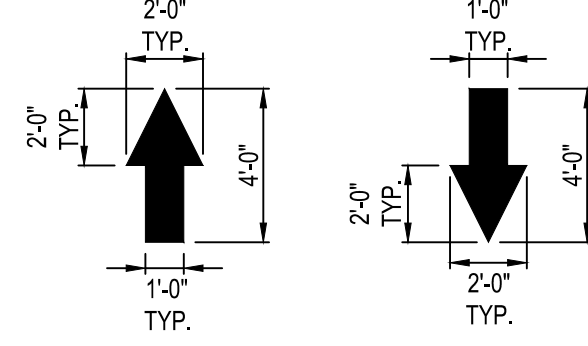
B1 BUTT JOINT
N.T.S.



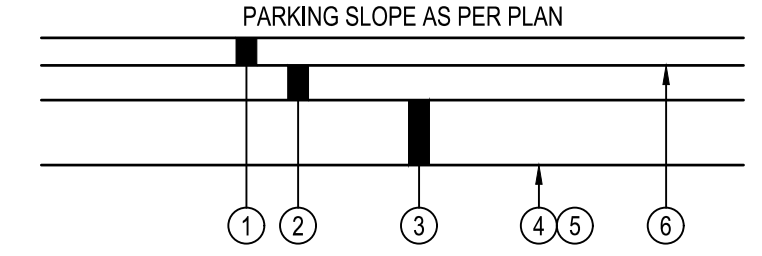
B2 DO NOT ENTER & STOP SIGN
N.T.S.



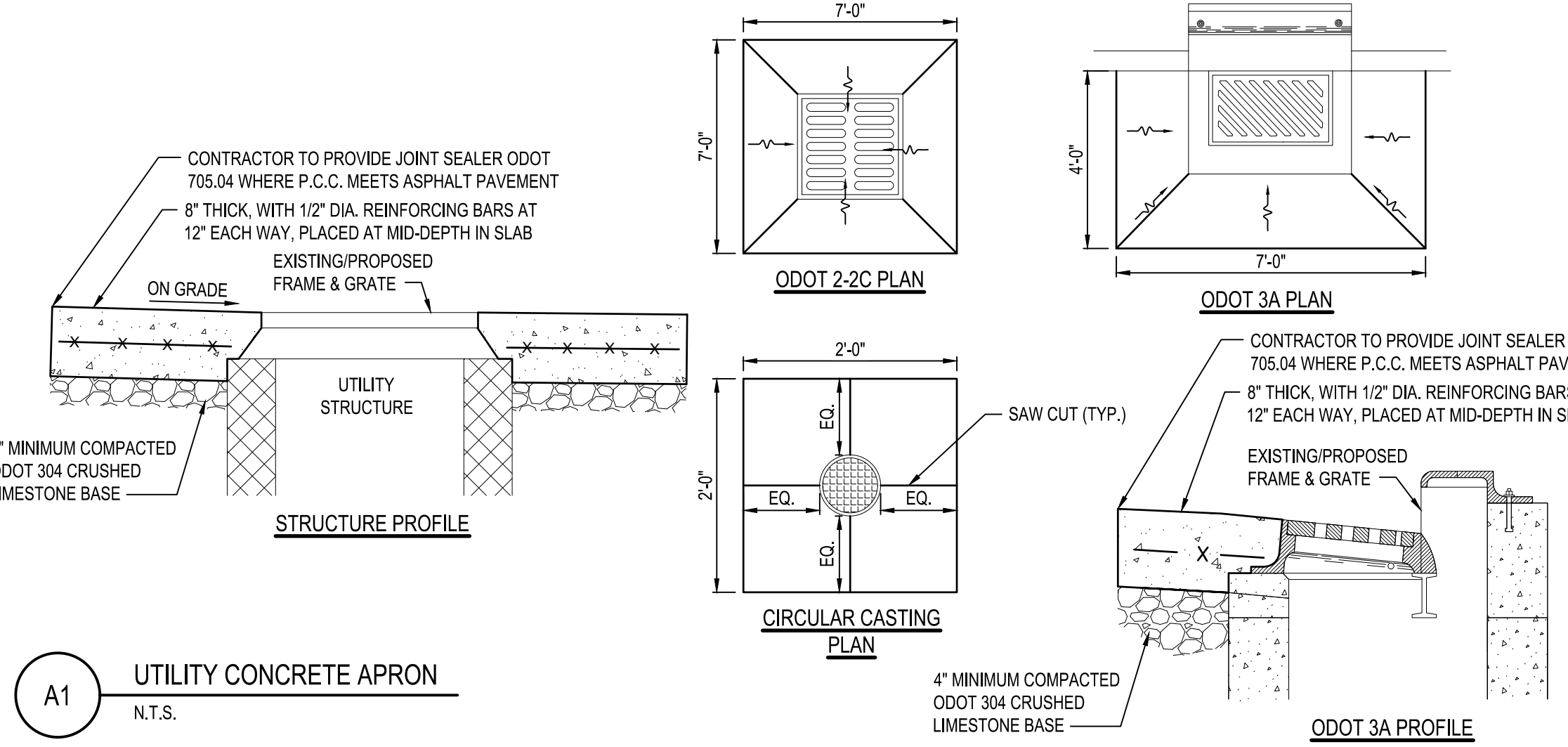
B3 PAINTED TRANSVERSE STRIPING
N.T.S.



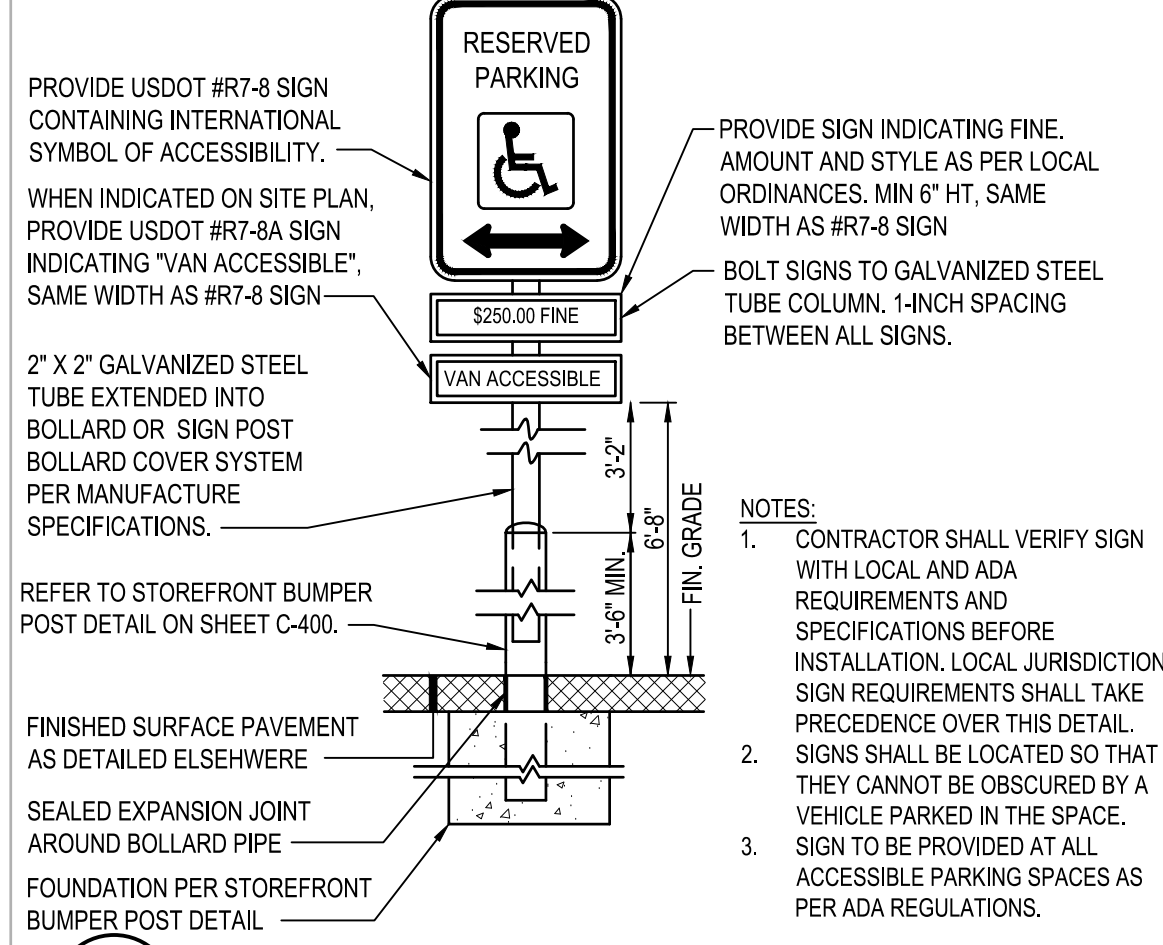
B4 PAVEMENT MARKINGS & NOTES
N.T.S.



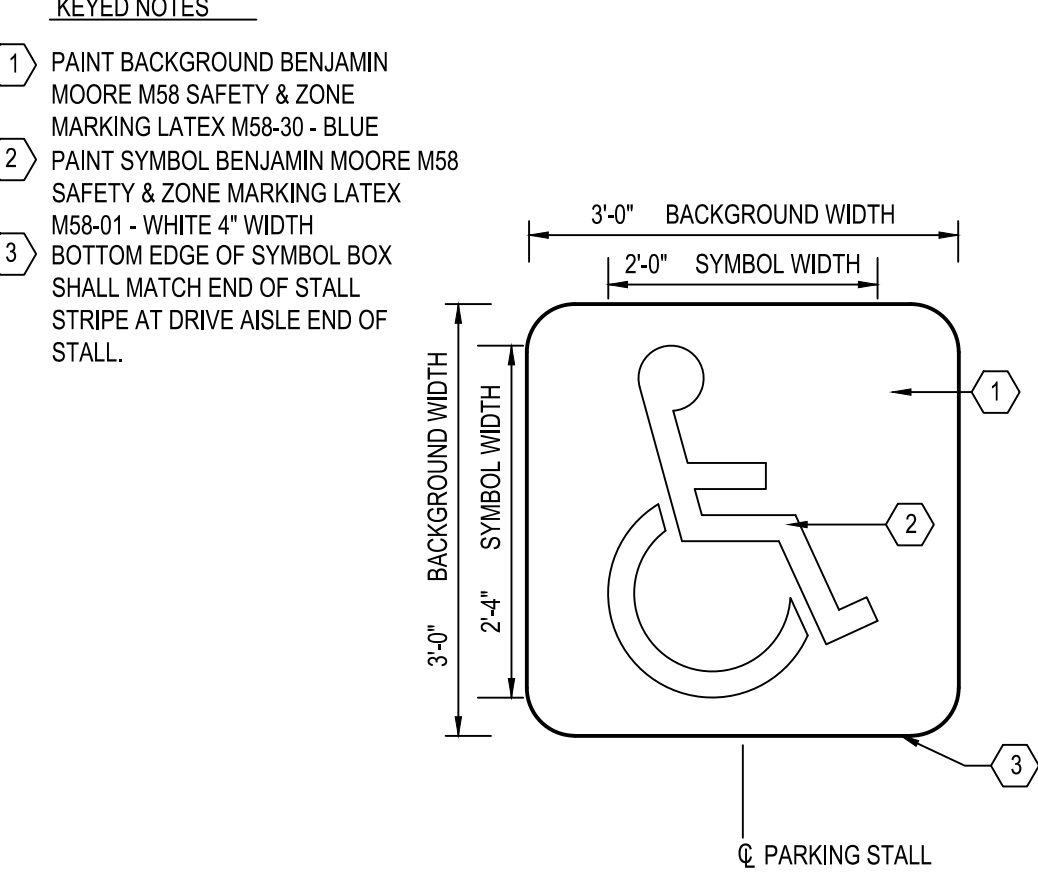
B5 ASPHALT PAVEMENT - STANDARD DUTY
N.T.S.



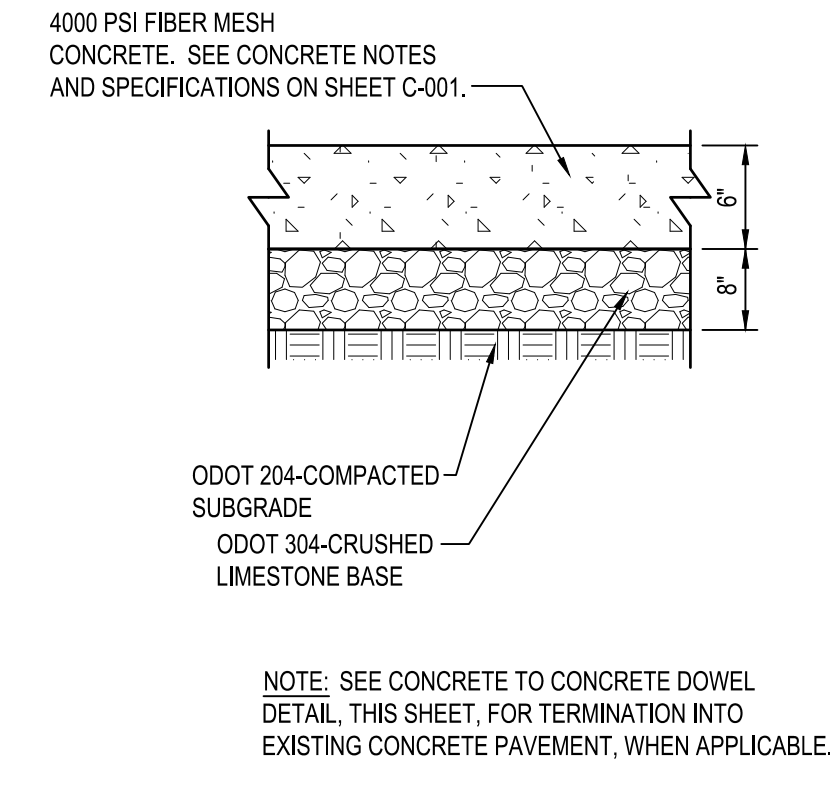
A1 UTILITY CONCRETE APRON
N.T.S.



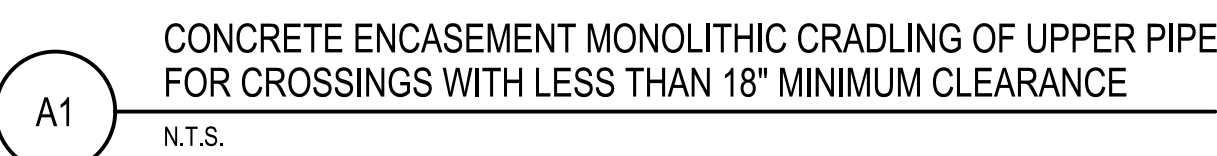
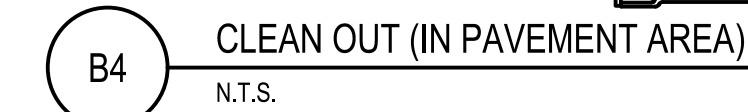
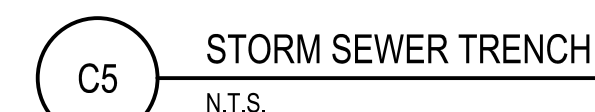
A3 HANDICAPPED PARKING SIGN ATTACHED TO BUMPER POST
N.T.S.



A4 PAINTED ADA PAVEMENT SYMBOL
N.T.S.



A5 FIBER MESH CONCRETE PAVEMENT
N.T.S.



<u>PRECAST CONCRETE HEADWALL NOTES:</u>	
1.	PRECAST WALLS SHALL BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.
2.	CAST-IN-PLACE CONCRETE SHALL BE MIN. 4,000 PSI @ 28 DAY. ALL PRECAST CONCRETE SHALL MEET STATE REQUIREMENTS WITH 6% +/- 2% AIR VOID CONTENT IN THE CURED CONCRETE.
3.	CONTRACTOR SHALL SUBMIT PRECAST SHOP DRAWING FOR APPROVAL PRIOR TO ORDERING.
4.	CHAMFER ALL EXPOSED CORNERS 3/4".
5.	MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3".

GENERAL TEMPORARY SEDIMENT BASIN NOTES:

- CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED SEDIMENT STORAGE AND DEWATERING VOLUME AS PROVIDED IN TABLE WITHIN THE FOOTPRINT OF THE INFILTRATION BASIN, USING THE FINAL BASIN SHAPE AS MUCH AS POSSIBLE. CONTRACTOR SHALL REFER TO THE OHIO EPA RAINWATER AND LAND DEVELOPMENT MANUAL CHAPTER 6, SECTION 1 SEDIMENT BASINS FOR ADDITIONAL INFORMATION.
- FINAL CONVERSION TO PERMANENT INFILTRATION BASIN SHALL NOT OCCUR UNTIL AFTER 70% OF THE CONTRIBUTING DRAINAGE AREA TO SEDIMENT BASIN HAS BEEN STABILIZED AND AS DIRECTED BY A STARK COUNTY SOIL AND WATER REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY FINAL INSPECTIONS, IF APPLICABLE, WITH STARK COUNTY SOIL AND WATER PRIOR TO CONVERSION.
- TEMPORARY ROCK CHANNEL PROTECTION SHALL BE PROVIDED AT ALL INCOMING PIPE HEADWALLS AND SHALL BE REMOVED PRIOR TO FINAL BASIN CONVERSION.
- THE ROCK EMBANKMENT BERM SHALL NOT BE INSTALLED UNTIL FINAL BASIN CONVERSION.
- CONTRACTOR SHALL CONSTRUCT DIVERSION SWALES AS REQUIRED TO DIVERT SEDIMENT LADEN RUNOFF TO SEDIMENT BASIN.
- THE SEDIMENT BASIN BOTTOM SHALL NOT BE AT AN ELEVATION LOWER THAN 981.50 IN ORDER TO PRESERVE THE NATURAL STATE OF THE SUBSOIL BELOW THAT WILL BE USED FOR INFILTRATION WHEN THE BASIN IS CONVERTED.

TEMPORARY SEDIMENT BASIN CONSTRUCTION

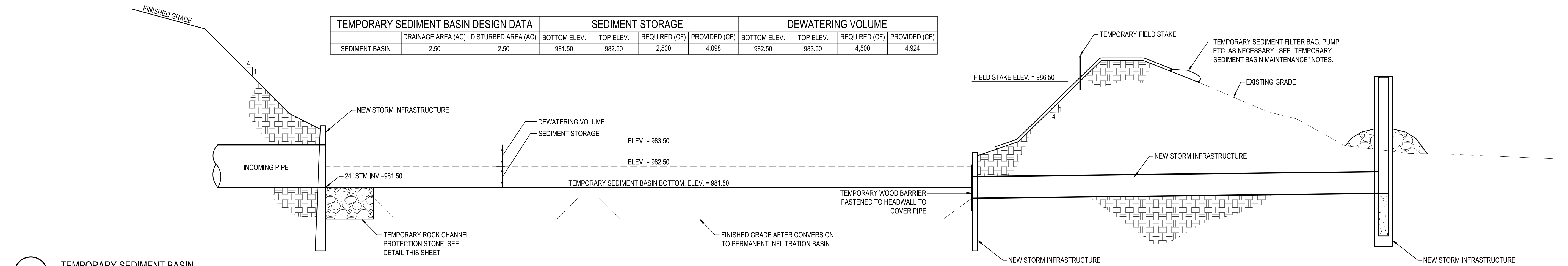
- WORK SHALL CONSIST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THE SEDIMENT BASIN AT THE LOCATION DESIGNATED ON THE PLANS.
- SEDIMENT BASIN SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- THE TEMPORARY SEDIMENT BASIN SIZING INCLUDING, BUT NOT LIMITED TO, SEDIMENT STORAGE VOLUMES, DEWATERING VOLUMES, AND EMBANKMENTS SHALL BE CONSTRUCTED AS SHOWN ON DRAWINGS AND IN ACCORDANCE WITH STARK COUNTY SOIL AND WATER AND THE OHIO EPA REQUIREMENTS.
- THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MATERIAL. THE POOL AREA SHALL BE CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEANOUT. THE SURFACE OF THE FOUNDATION AREA WILL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE EMBANKMENT MATERIAL.
- ANY FILL MATERIAL UTILIZED SHALL BE FREE OF ALL SOD, ROOTS, FROZEN SOIL, STONES OVER 6 IN. IN DIAMETER, AND OTHER OBJECTIONABLE MATERIAL. THE PLACING AND SPREADING OF THE FILL MATERIAL SHALL BE STARTED AT THE LOWEST POINT OF THE FOUNDATION AND THE FILL SHALL BE BROUGHT UP IN APPROXIMATELY 6 IN. HORIZONTAL LAYERS OR OF SUCH THICKNESS THAT THE REQUIRED COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED. SPECIAL EQUIPMENT SHALL BE USED WHEN THE REQUIRED COMPACTION CANNOT BE OBTAINED WITHOUT IT. CONSTRUCTION SHALL NOT BE PERMITTED IF EITHER THE EARTH FILL OR COMPACTION SURFACE IS FROZEN.
- THE SEDIMENT BASIN SHALL BE STABILIZED IMMEDIATELY FOLLOWING ITS CONSTRUCTION. IN NO CASE SHALL THE EMBANKMENT REMAIN BARE FOR MORE THAN 7 DAYS.
- WARNING SIGNS AND SAFETY PRACTICES SHALL BE PLACED AROUND THE BASIN AND MAINTAINED OVER THE LIFE OF THE PRACTICE.

TEMPORARY SEDIMENT BASIN DESIGN DATA			SEDIMENT STORAGE				DEWATERING VOLUME			
	DRAINAGE AREA (AC)	DISTURBED AREA (AC)	BOTTOM ELEV.	TOP ELEV.	REQUIRED (CF)	PROVIDED (CF)	BOTTOM ELEV.	TOP ELEV.	REQUIRED (CF)	PROVIDED (CF)
SEDIMENT BASIN	2.50	2.50	981.50	982.50	2,500	4,098	982.50	983.50	4,500	4,924

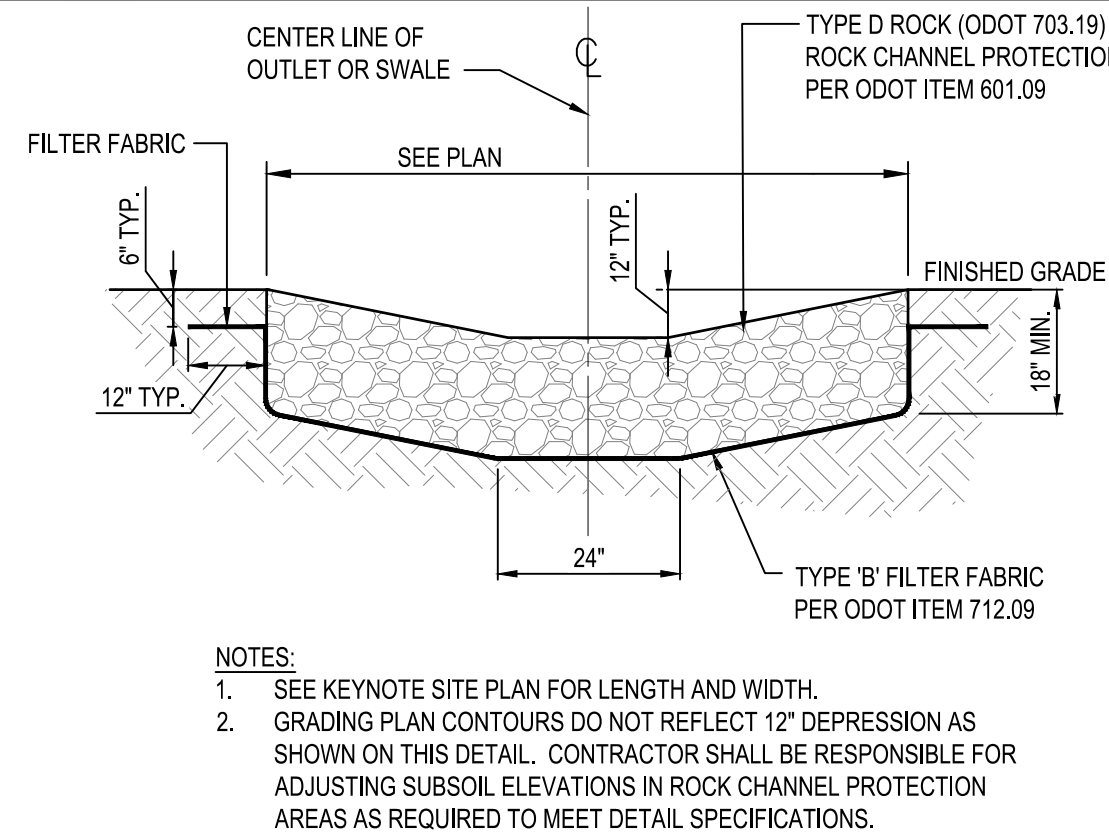
TEMPORARY SEDIMENT BASIN MAINTENANCE:

- THE CAPACITY AND FUNCTION OF THE SEDIMENT BASIN SHALL BE MAINTAINED BY INSPECTING ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT, AND BY PERFORMING THE NECESSARY ACTIVITIES BELOW.
- INSPECT THE POOL AREA AND EMBANKMENT AREAS FOR BURROWING RODENTS, SLOPE FAILURE, SEEPAGE, EXCESS SETTLEMENT, AND DISPLACED STONE (IF APPLICABLE). THE SEDIMENT BASIN AREA SHOULD BE INSPECTED FOR STRUCTURAL SOUNDNESS AND REPAIRED AS NEEDED.
- REMOVE UNDESIRABLE VEGETATION PERIODICALLY TO PREVENT GROWTH OF TREES AND SHRUBS ON THE EMBANKMENT AND SPILLWAY AREAS.
- REGULARLY INSPECT WATER DISCHARGED FROM THE BASIN FOR EXCESS SUSPENDED SEDIMENTS. IDENTIFY AND PERFORM NECESSARY REPAIRS TO IMPROVE WATER QUALITY. EXCESSIVE SUSPENDED SEDIMENTS MAY REQUIRE DESIGN MODIFICATIONS OR TREATMENT WITH FLOCCULATES.
- REMOVE TRASH AND DEBRIS THAT ACCUMULATE IN THE POND.
- CHECK POINTS OF INFLOW TO ENSURE DRAINAGE IS NOT CAUSING EROSION. REPLACE DISPLACED ROCK CHANNEL PROTECTION IMMEDIATELY.
- PROVIDE AND INSTALL A TEMPORARY FIELD STAKE IN THE SIDE OF THE BASIN EMBANKMENT AT A GROUND ELEVATION OF 982.50 LABELED AS THE BASIN'S "MAXIMUM SEDIMENT STORAGE". CONTRACTOR SHALL REMOVE SEDIMENT AND RESTORE THE SEDIMENT BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE DESIGNATED ELEVATION. PROPERLY DISPOSE OF THE REMOVED SEDIMENT.
- PROVIDE AND INSTALL A TEMPORARY FIELD STAKE IN THE SIDE OF THE BASIN EMBANKMENT AT A GROUND ELEVATION OF 986.50 LABELED AS THE BASIN'S "MAXIMUM DEWATERING VOLUME". IF STORED WATER REACHES THE BOTTOM OF THE GROUND STAKE, THE CONTRACTOR SHALL PROVIDE AN APPROVED SEDIMENT FILTER BAG AND PUMP TO DEWATER THE BASIN DOWN TO THE DESIGNED TOP OF DEWATERING VOLUME OF 983.50. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS DIRECTED BY STARK COUNTY SOIL AND WATER.

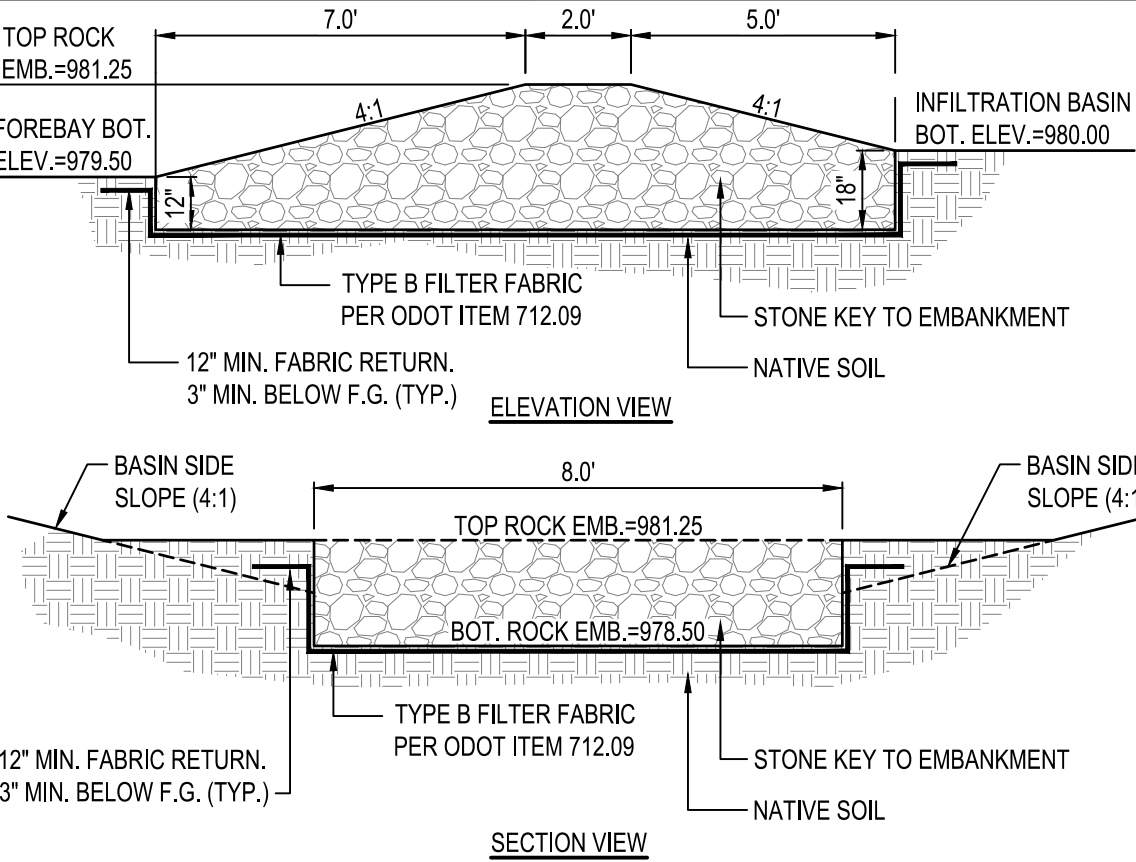
- AFTER THE ENTIRE CONSTRUCTION PROJECT IS COMPLETED, THE CONTRACTOR SHALL CLEAN/FLUSH NEW STORM SYSTEM OF ALL SEDIMENT AND DEBRIS. THE TEMPORARY SEDIMENT BASIN SHALL THEN BE DEWATERED. ACCUMULATED BASIN SEDIMENT SHALL BE REMOVED AND THE CONTRACTOR SHALL COMMENCE FINAL BASIN GRADING. THE BASIN SHALL BE GRADED TO CONFORM TO THE CONTOURS SHOWN ON THE GRADING PLAN AND AS DETAILED ON THIS SHEET (INFILTRATION BASIN DETAIL). THE BASIN AREA SHALL BE SEEDED, MULCHED AND STABILIZED AS PER THE LANDSCAPE DRAWINGS.
- NOTE THAT THE SEDIMENT BASIN SHALL BE EXCAVATED AND GRADED AS SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF THE SITE.
- PRIOR TO THE SEDIMENT BASIN CONVERSION, PUMP ALL STANDING WATER FROM WITHIN THE BASIN PER THE DEWATERING NOTES OR OTHER OHIO EPA APPROVED METHOD EQUALLY ACCEPTED FOR A DEWATERING OPERATIONS. REMOVE AND DISPOSE OF ALL UNSUITABLE SEDIMENT MATERIALS ACCUMULATED WITHIN THE BASIN.
- COMPLETE EARTHWORK WITHIN BASIN TO BRING ELEVATIONS TO FINAL GRADE AS SHOWN ON GRADING PLAN.
- NOTE THAT THE BOTTOM OF THE INFILTRATION BASIN AND FOREBAY SHALL BE CONSTRUCTED OF NATIVE SOIL MATERIAL LOCAL TO THE LOCATION OF THE BASIN.



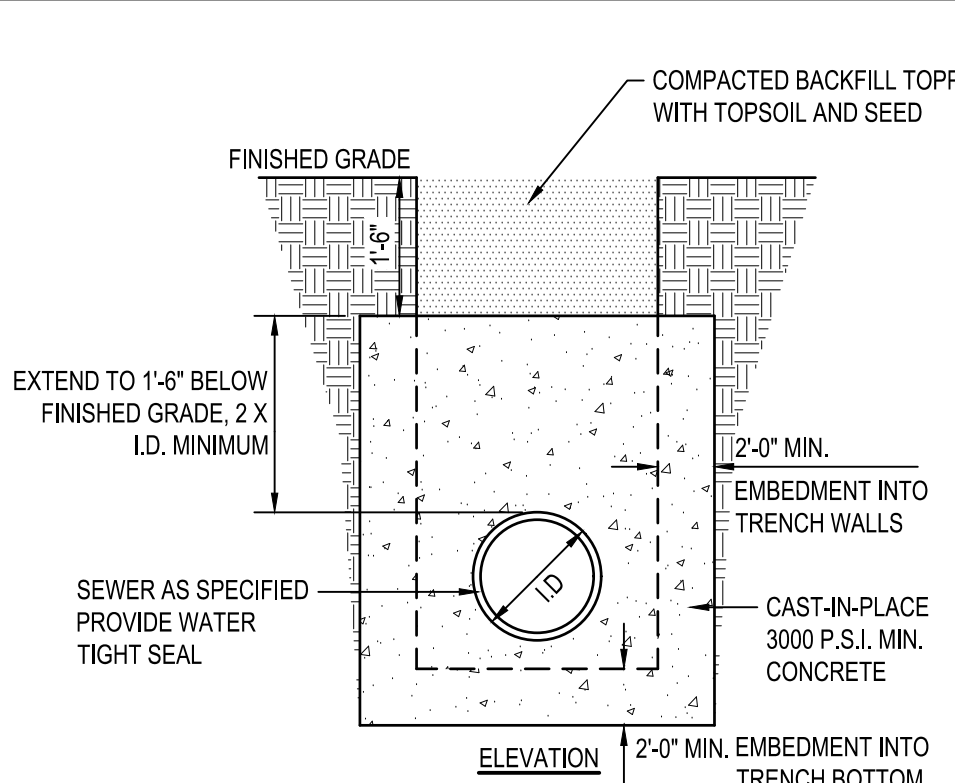
C1 TEMPORARY SEDIMENT BASIN
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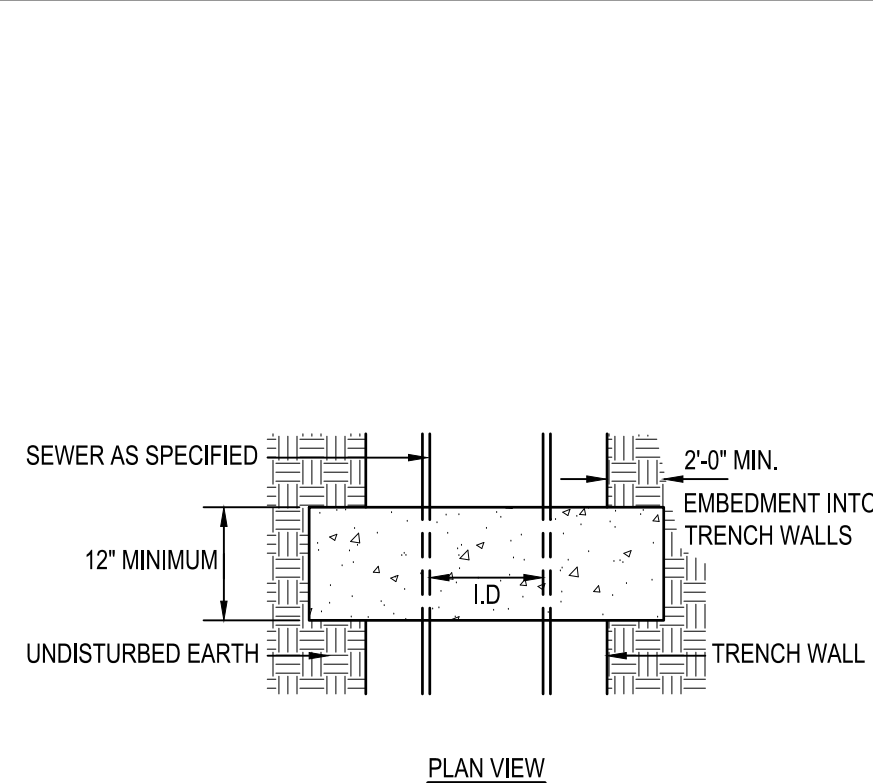
B1 ROCK CHANNEL PROTECTION
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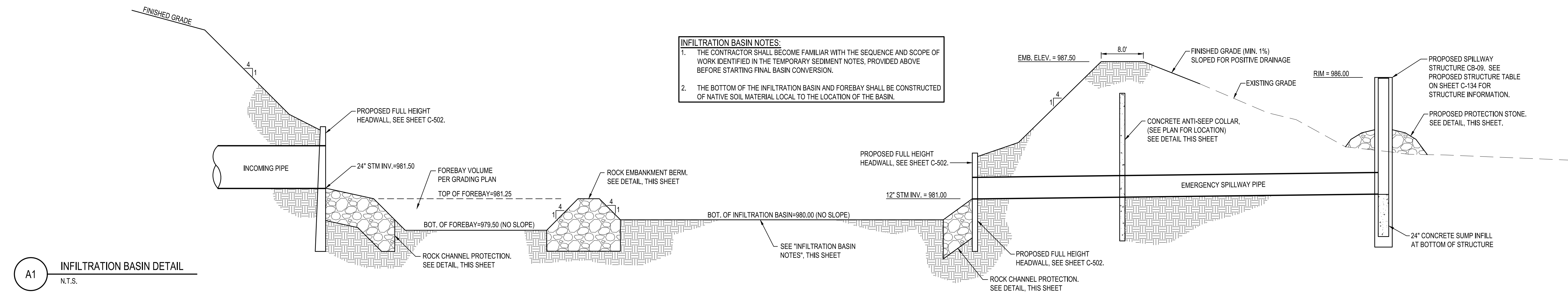
B2 ROCK EMBANKMENT BERM
N.T.S.



B3 CONCRETE ANTI-SEEP COLLAR
N.T.S.



B5 PROTECTION STONE
N.T.S.



A1 INFILTRATION BASIN DETAIL
N.T.S.

REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

DETAILS

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-503



REV.	DATE	DESCRIPTION

FOR
REFERENCE
ONLY

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

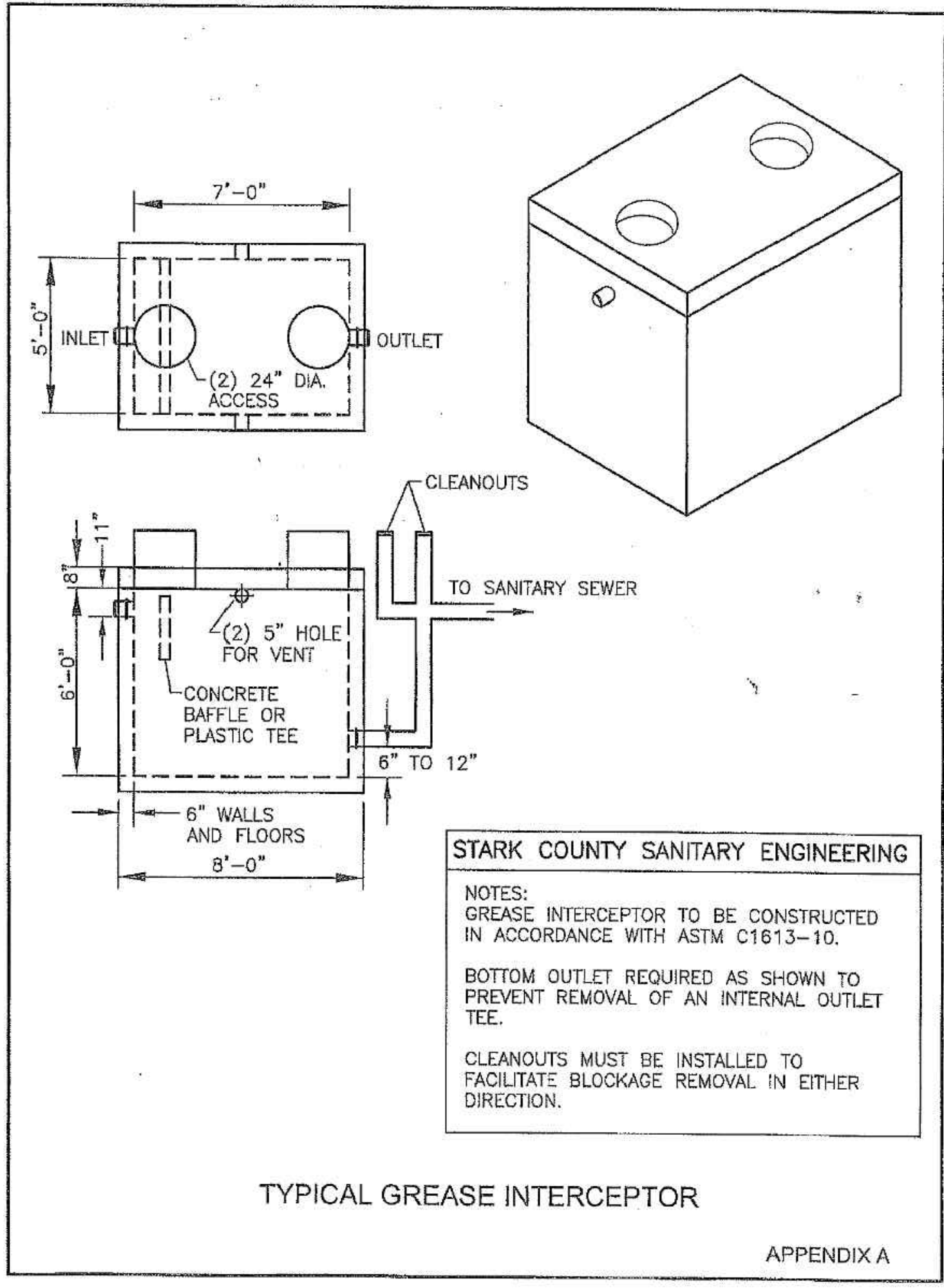
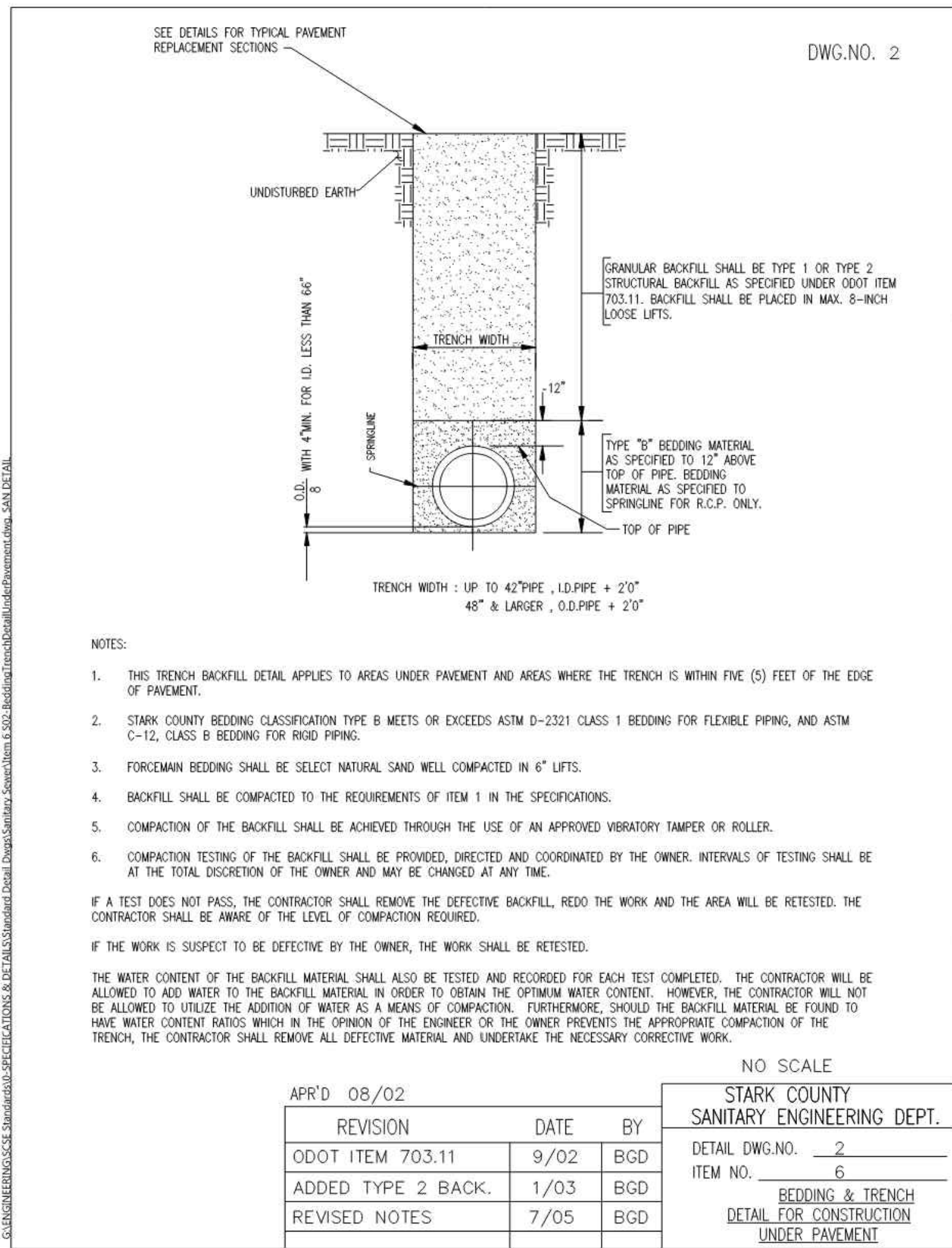
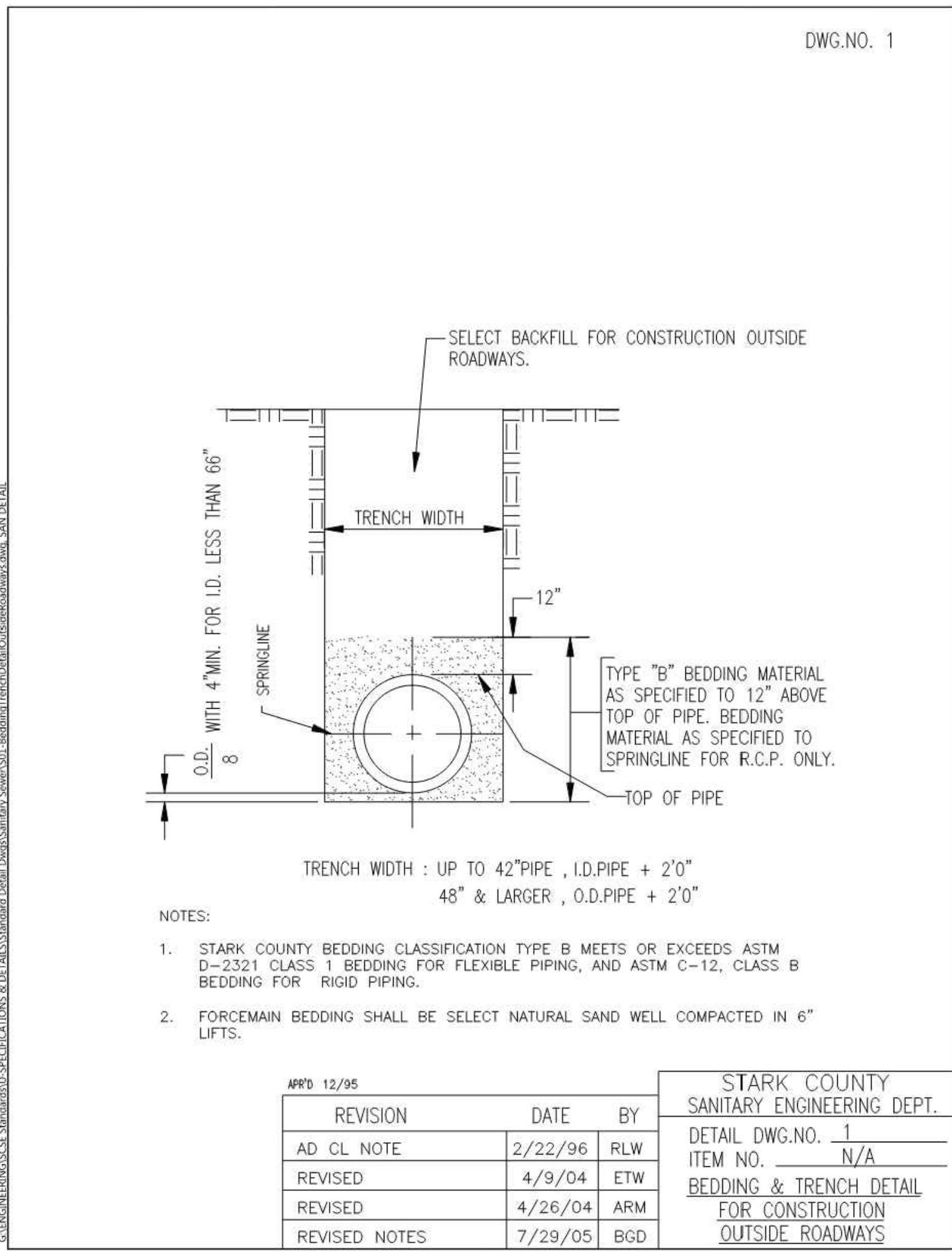
STARK COUNTY DETAILS

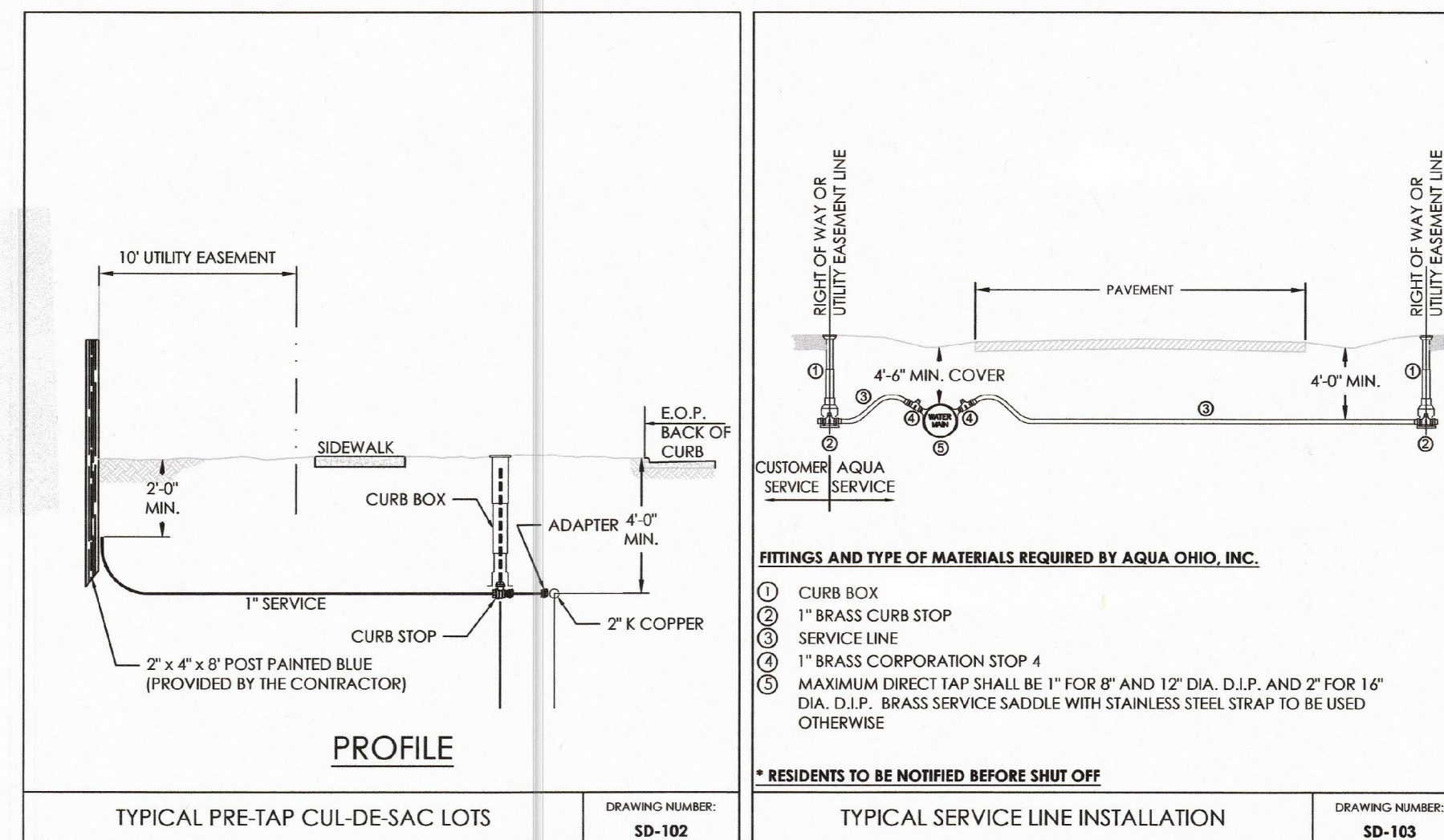
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PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-504





FIELD-LOG GASKETS OR OTHER APPROVED PIPE RESTRAINT SYSTEMS WILL BE USED TO RESTRAIN PIPE, OR WITH PRIOR APPROVAL BY AGUA FOR THE FOLLOWING SITUATION:

1. FOR VERTICAL BENDS IN LIEU OF DEAD-MAN CONCRETE RESTRAINT
2. FOR VERTICAL AND HORIZONTAL BENDS INSTALLED IN POOR SOIL CONDITIONS FOR PIPE STRAINS OR BENDS WITH SLOPING GROUND BEHIND THE POINT OF THURST

NOTE: MEG-A-LUGS OR APPROVED EQUIPMENT SHALL BE USED TO RESTRAIN FITTINGS AND VALVES

THURST BLOCKS WILL NORMALLY BE USED FOR ALL HORIZONTAL BENDS. THE CONTRACTOR WILL GET WRITTEN PRIOR APPROVAL FROM AGUA TO SUBSTITUTE A RESTRAINT SYSTEM IN LIEU OF THURST BLOCKING FOR HORIZONTAL BENDS.

CONTRACTOR WILL SUPPLY ALL FIELD-LOG GASKETS

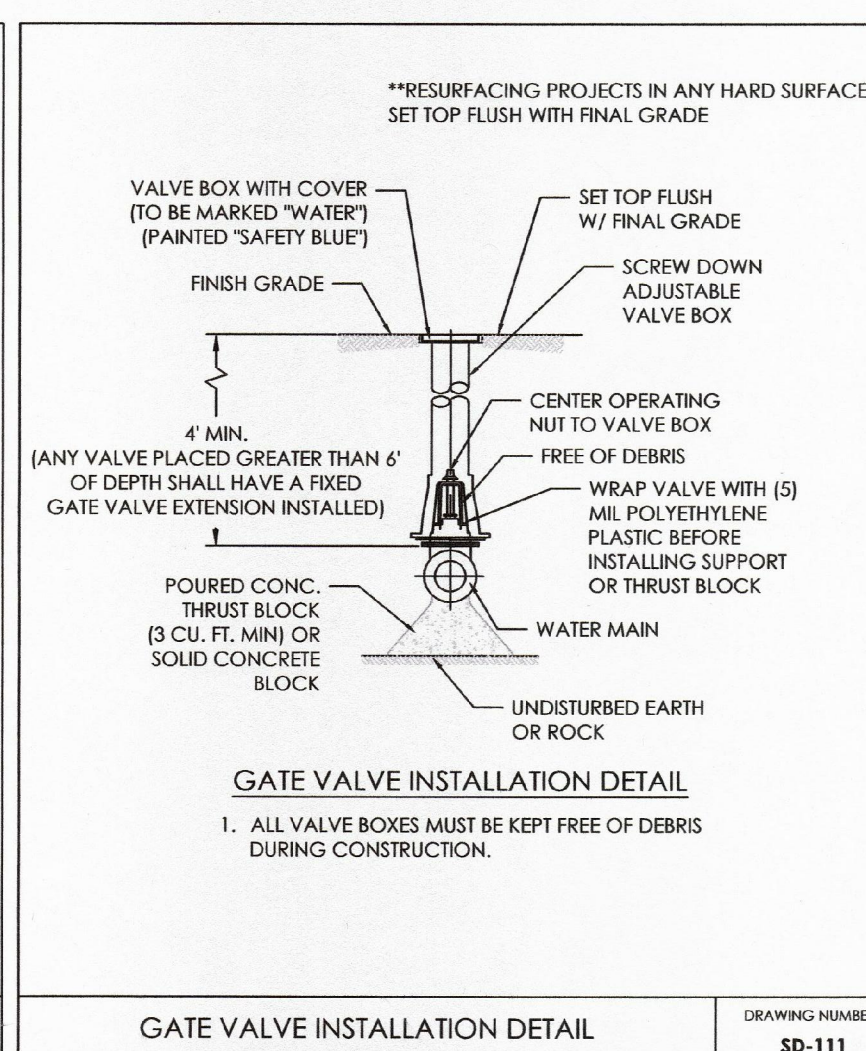
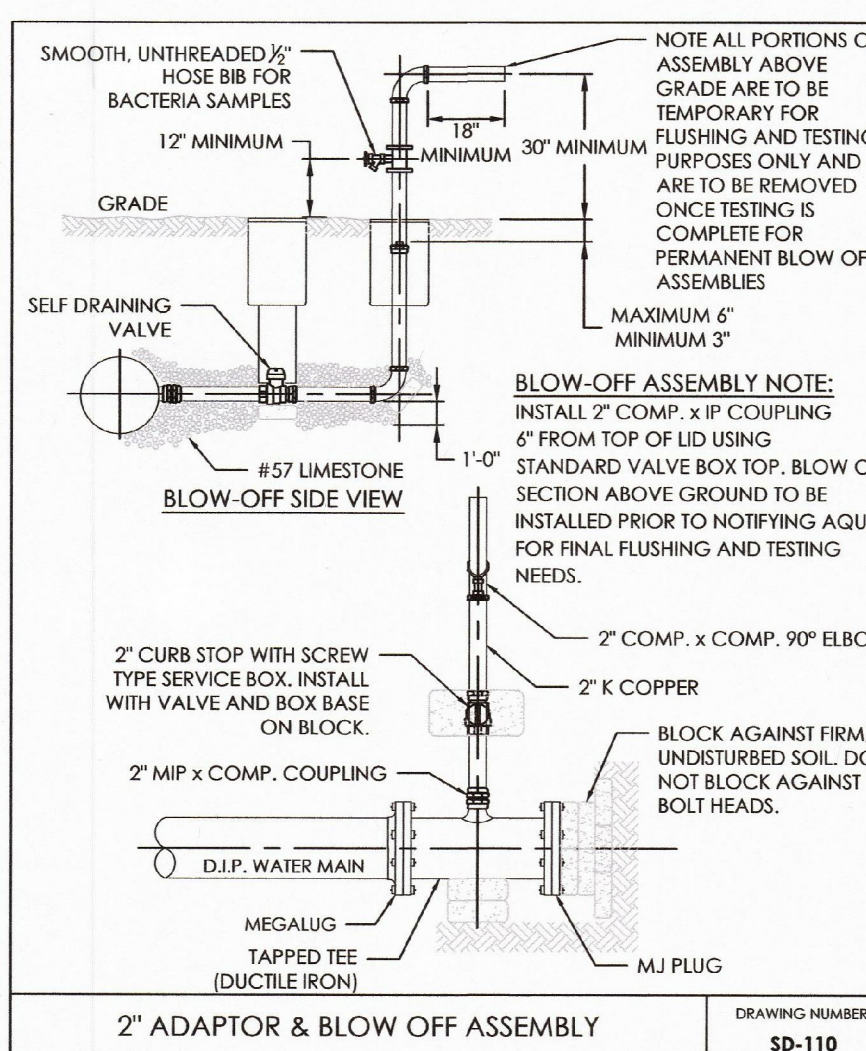
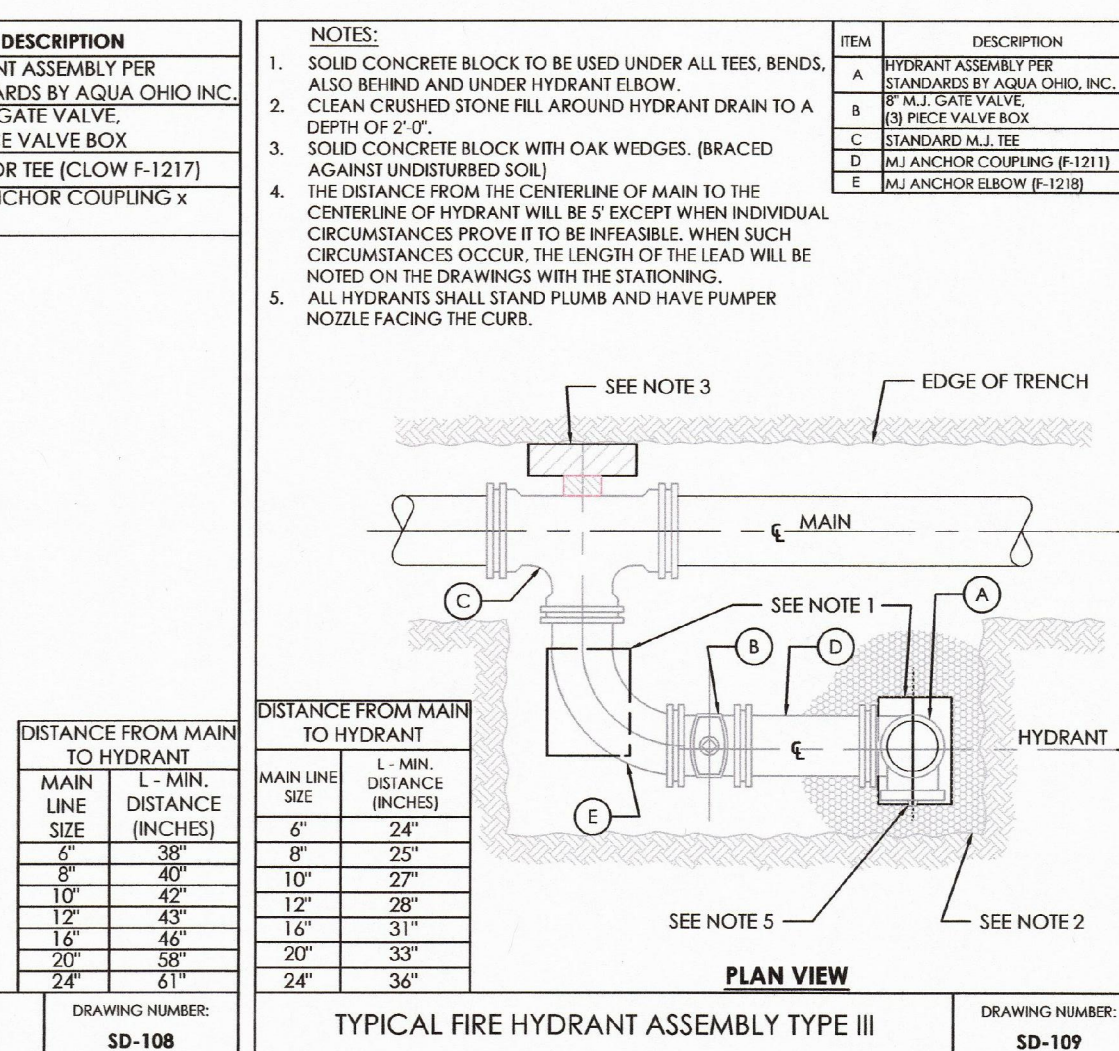
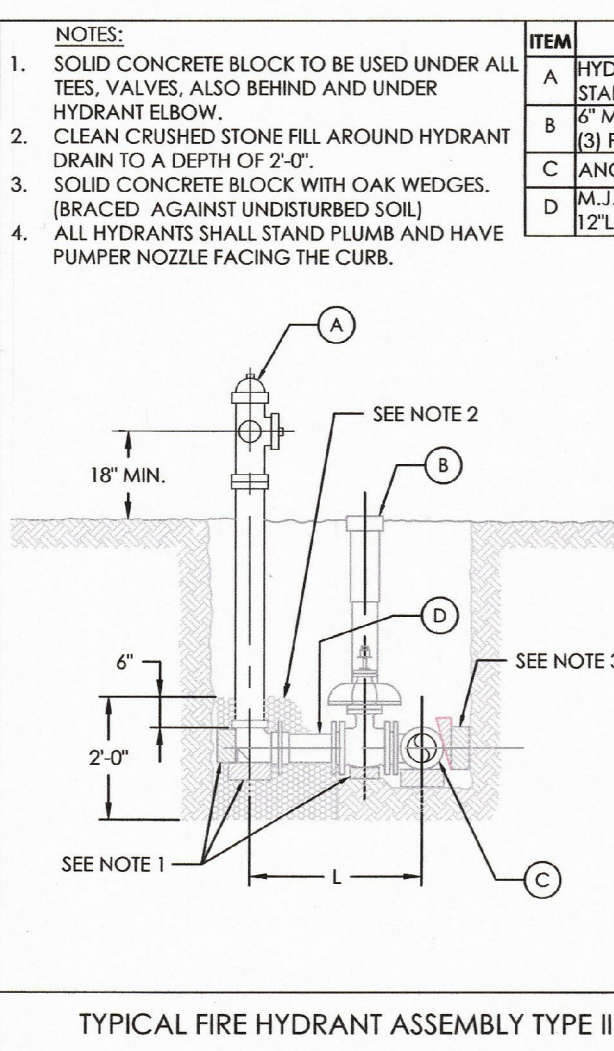
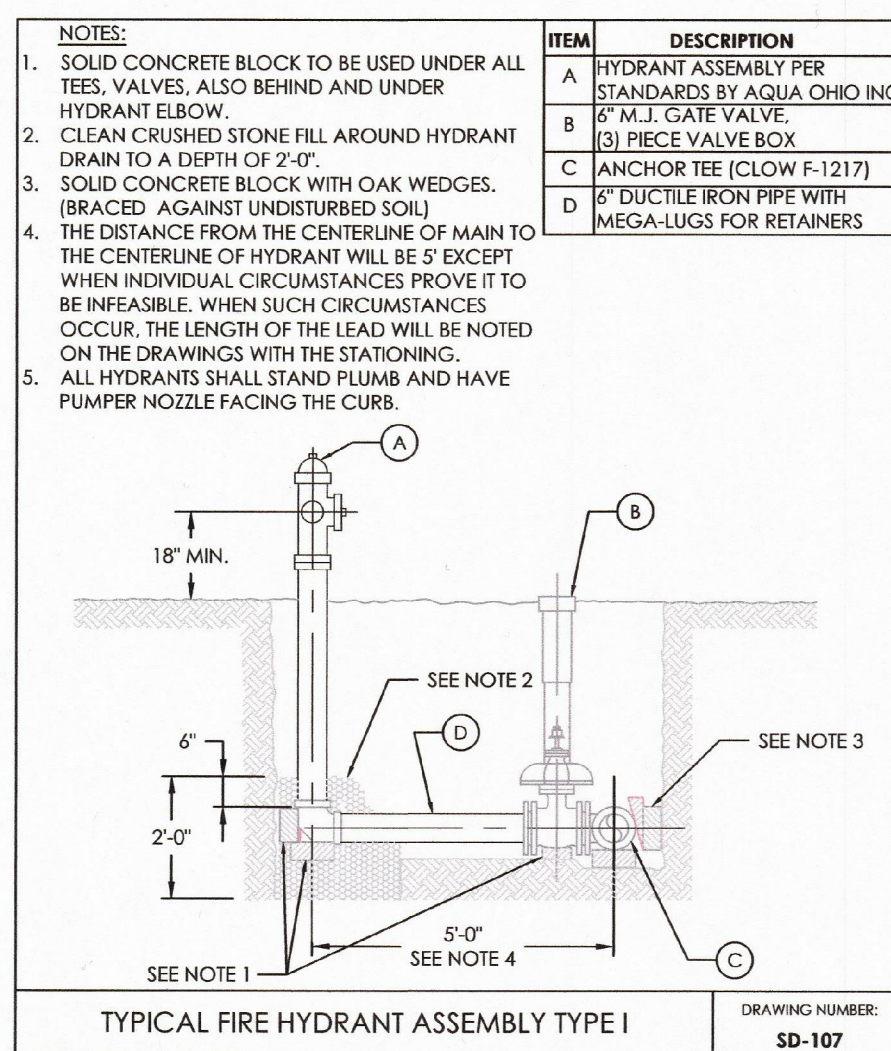
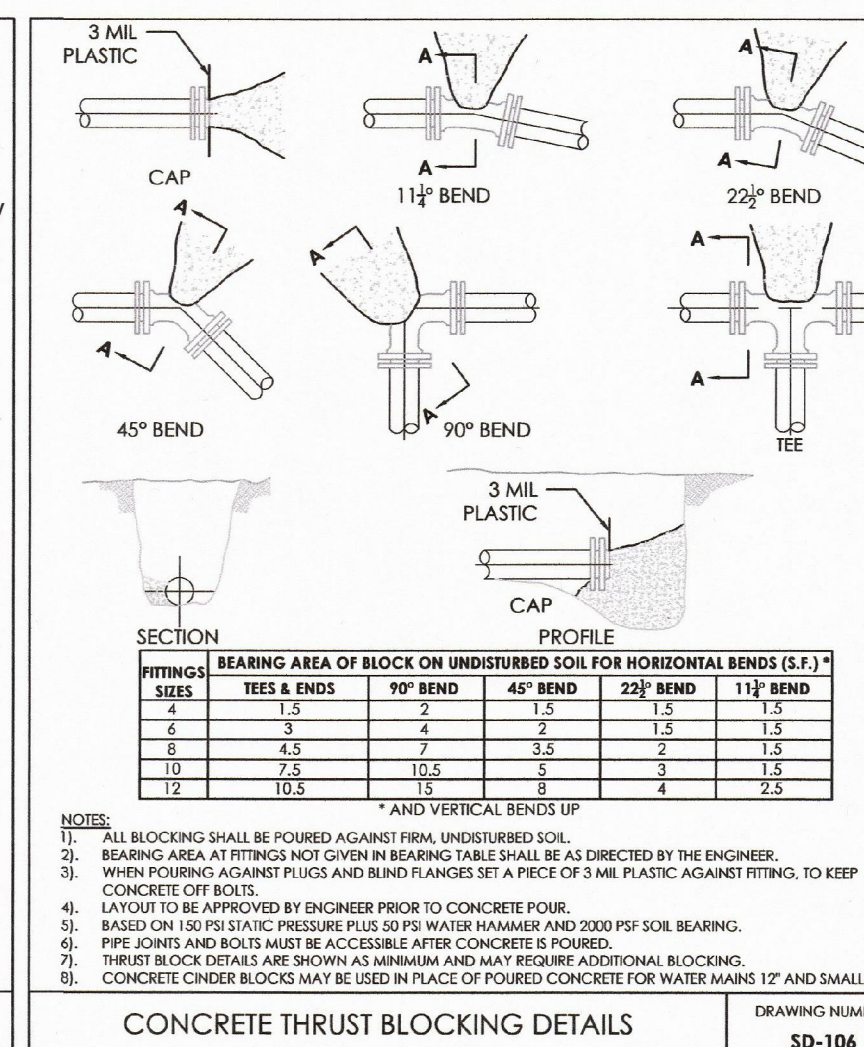
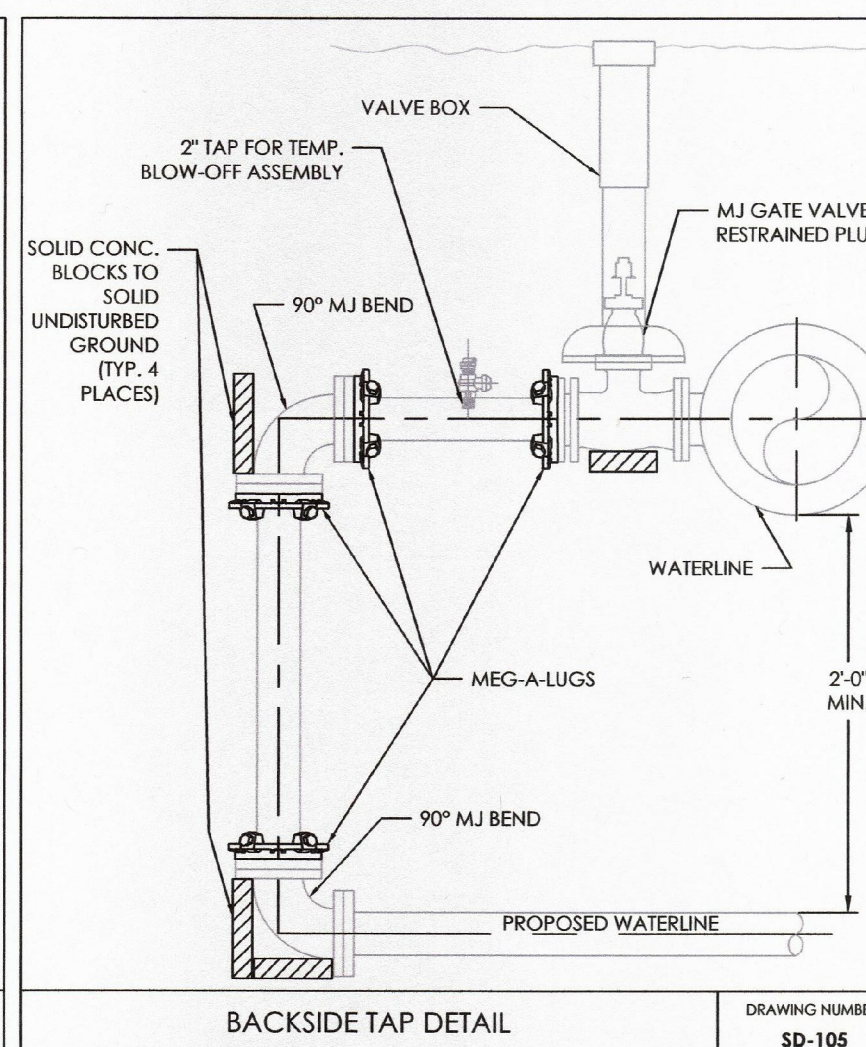
LINEAR FEET OF MECHANICAL PIPE RESTRAINT REQUIRED (EITHER SIDE OF FITTING)									
PIPE DIA. (IN.)	DEAD END	90°	45°	22.5°	11.25°	VERT. UP	VERT. DOWN	TRE BENCH	THURST
4	36	16	8	0	0	4	16	18	
6	60	28	13	0	0	10	24	35	
8	108	54	18	0	0	18	36	100	
12	162	90	36	18	0	36	72	144	
16	214	114	49	23	12	12	21	200	
24	304	165	68	33	16	16	30	289	

CONSTRUCTION CRITERIA:

1. FOR WORKING AND/OR TEST PRESSURES < 150 PSI.
2. TYPE 2 TRENCH WITH MINIMUM OF 4.0 FT. OF COVER
3. POLYWRAPPED PIPE
4. 18 FT. PIPE LENGTHS
5. FITTINGS INSTALLED WITH MEG-A-LUGS OR APPROVED EQUAL

NOTE: IF FIELD CONDITIONS DO NOT CONFORM TO THE ABOVE CONSTRUCTION CRITERIA, THE CONTRACTOR SHALL GET WRITTEN APPROVAL FROM AGUA FOR THE NUMBER OF RESTRAINED JOINTS.

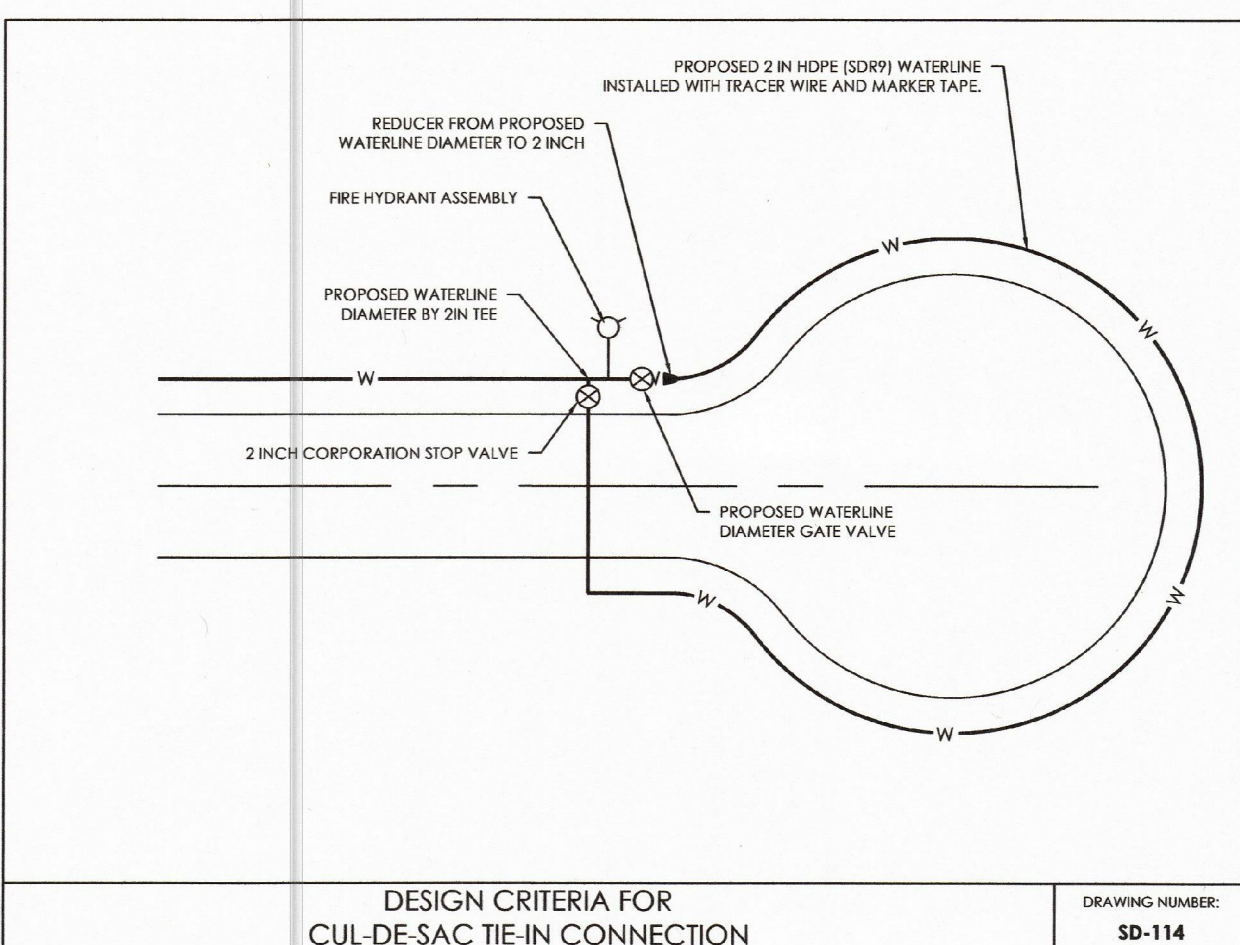
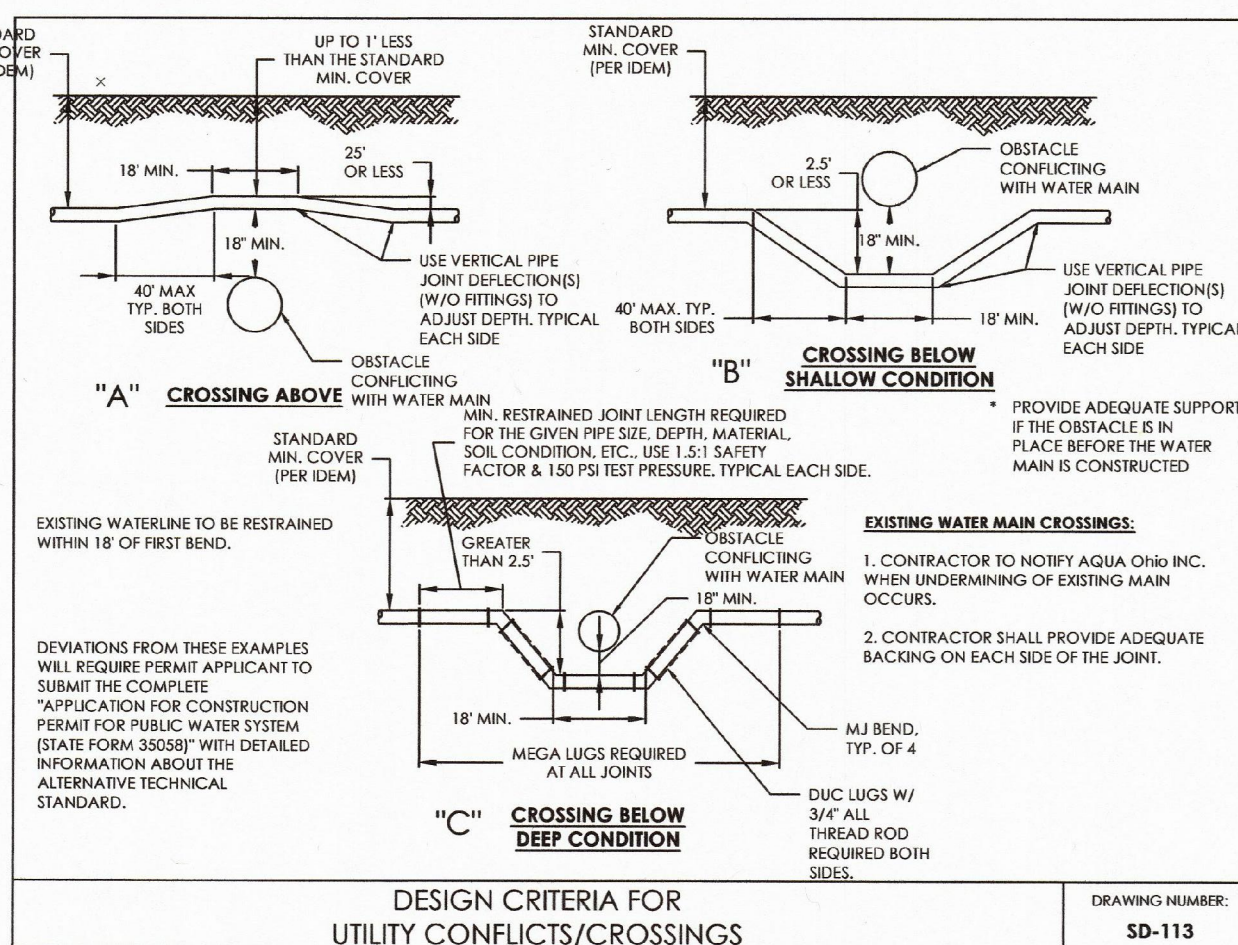
THURST RESTRAINT WITH FIELD-LOG GASKETS	DRAWING NUMBER: SD-104
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~PIPE CROSSING DATA SHEET~			
PIPE DATA	CARRIER PIPE		CASING PIPE
MATERIAL	DUCTILE IRON	STEEL	STEEL
PROCESS OF MANUFACTURE	SPIN CAST		ELECTRIC
WELD SPECIFICATION	ANSI A21.51		ASTM A53
GRADE OF CLASS	SEE SPEC		GRADE B
PRESSURE	SEE SPEC		35.00 PSI
TYPE OF JOINT	PUSH ON FLUE RUBBER GASKET		WELDED
TYPE OF COATING	ASPHALTIC PRIMER		NONE
CATHODIC PROTECTION	NONE		NONE
SEAL AT END OF CASING	N/A		MOLDED STR. RUBBER AND BC
METHOD OF INSTALLATION	PUSH ON SLEDS		JACK AND BC

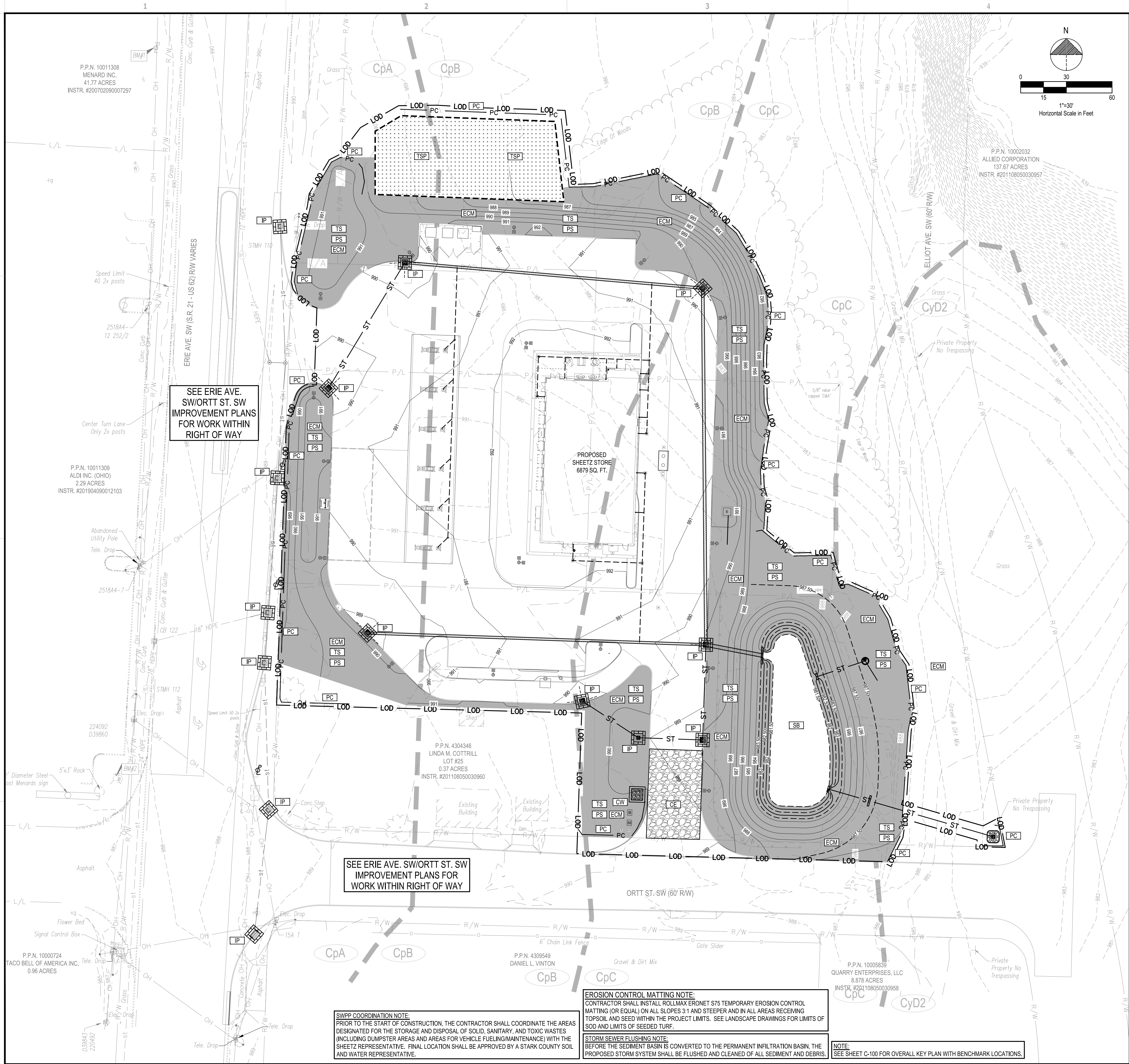
CASING PIPE SIZING				
WATER MAIN SIZE	NOMINAL SIZE OF CASING PIPE	OUTSIDE DIAMETER	WALL THICKNESS (MIN)	WEIGHT PER FOOT
6"	16"	16.000	15.250	42.64
8"	18"	18.000	17.250	47.65
12"	24"	24.000	23.000	126.61
16"	30"	30.000	29.000	157.68
20"	36"	36.000	35.000	189.75
24"	42"	42.000	41.000	221.82
30"	48"	48.000	47.000	253.89
36"	54"	54.000	53.000	285.96
42"	60"	60.000	59.000	318.03

SMITH-BLAIR CASING SPACERS @ 1/3 POINTS EACH PIPE @ 12" LENGTH (2 PER LENGTH) (NOTE: AS AN ALTERNATIVE, P.S.I. OR CASCADE CASING SPACERS MAY BE USED)	STEEL CASING D.I.P. WATER LINE POLYWRAPPED
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NOTE:
ONLY DETAILS AND SPECIFICATIONS PERTAINING TO WATER SERVICE LINES SHALL BE APPLIED TO THE SHEETZ STORE IMPROVEMENTS. AQUA OHIO STANDARDS AND SPECIFICATIONS SHALL GOVERN IF ANY DISCREPANCIES ARE FOUND. SEE ERIE AVE. SW/ORTT ST. SW IMPROVEMENTS FOR WATER MAIN WORK.

These documents has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.



PROJECT DESCRIPTION
THE SCOPE OF THIS PROJECT IS TO DEVELOP A PREDOMINATELY VACANT PIECE OF LAND OFF ERIE AVENUE SW INTO A NEW SHEETZ STORE. CONSTRUCTION WOULD INCLUDE A NEW STORE BUILDING, FUELING CANOPY WITH DISPENSERS, DRIVE-THRU LANE WITH ORDER BOARDS, SITE PARKING, AND ASPHALT/CONCRETE CIRCULATION DRIVES.

PROJECT COMPLETION STATISTICS

PARCEL SIZE:	6.26 ACRES
TOTAL DISTURBED AREA:	*3.13 ACRES
*DISTURBED AREA DOES NOT INCLUDE DISTURBANCE FROM ERIE AVE. SE/ORTT ST. SW IMPROVEMENT PLAN SET.	

(THE CALCULATIONS BELOW ARE BASED ON THE ABOVE TOTAL DISTURBED AREA)

EXISTING LAND USE FOR THE SITE IS A FORESTED VACANT LAND,	0.37 ACRES
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA:	12%
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT:	0.42
PRE-CONSTRUCTION RUN-OFF COEFFICIENT:	
PROPOSED LAND USE WILL BE A SHEETZ STORE.	1.72 ACRES
ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA:	55%
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT:	0.68
POST-CONSTRUCTION RUN-OFF COEFFICIENT:	

PROJECT LOCATION:

LATITUDE	LONGITUDE
40.7576°	-81.5155°

EXISTING SITE SOIL TYPES:

CpA: CHILI SILT LOAM, 0 TO 2 PERCENT SLOPES
CpB: CHILI SILT LOAM, 2 TO 6 PERCENT SLOPES
CpC: CHILI SILT LOAM, 6 TO 12 PERCENT SLOPES
CyD2: CONYTON GRAVELLY LOAM, 12 TO 18 PERCENT SLOPES, MODERATELY ERODED
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

WETLAND INFORMATION:
THERE ARE NO KNOWN WETLANDS WITHIN THE PROJECT AREA.

FIRST AND SUBSEQUENT RECEIVING WATER:
INITIAL RECEIVING WATER IS AN UNNAMED CREEK LOCATED APPROXIMATELY 0.30 MILES SOUTHEAST OF THE PROJECT SITE AND THE SUBSEQUENT RECEIVING WATER IS THE TUSCARAWAS RIVER.

POST CONSTRUCTION WQV / BMP DESCRIPTION:
SEE SUPPLEMENTAL STORMWATER MANAGEMENT REPORT FOR MORE INFORMATION.

OWNER CONTACT:
STEVE AUGUSTINE
5700 SIXTH AVENUE
ALTOONA, PA
814.946.3611 FAX: 814.941.5105
SAUGUSTINE@SHEETZ.COM

ANTICIPATED TIMING:
CONSTRUCTION BEGIN: JULY 2023
CONSTRUCTION COMPLETE: FEBRUARY 2024

CONTRACTOR: T.B.D.
CONTACT: _____
PHONE NUMBER: _____

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED INLET PROTECTION REFER TO SWPP DETAILS
- USDA NATIONAL SOIL LIMITS AND TYPE
- PROPOSED CONSTRUCTION ENTRANCE REFER TO SWPP DETAILS
- TOPSOIL STOCKPILE AREA (AS NECESSARY)
- PROPOSED EROSION CONTROL MATTING. SEE EROSION CONTROL MATTING NOTE, THIS SHEET, FOR ADDITIONAL INFORMATION.
- PROPOSED CONCRETE WASHOUT FACILITY REFER TO SWPP DETAILS
- PROJECT LIMITS OF DISTURBANCE
- PROPOSED PERIMETER CONTROL (SILT FENCE OR COMPOST FILTER SOCK) REFER TO SWPP DETAILS
- SOIL TYPE BOUNDARY
- TEMPORARY SEEDING, SEE SWPP NOTES
- PERMANENT SEEDING, SEE LANDSCAPE DRAWINGS
- TEMPORARY SEDIMENT BASIN - SEE SHEET C-503

COORDINATE ALL SITE WORK WITH ERIE AVE. SW/ORTT ST. SW IMPROVEMENT PLAN SET.



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

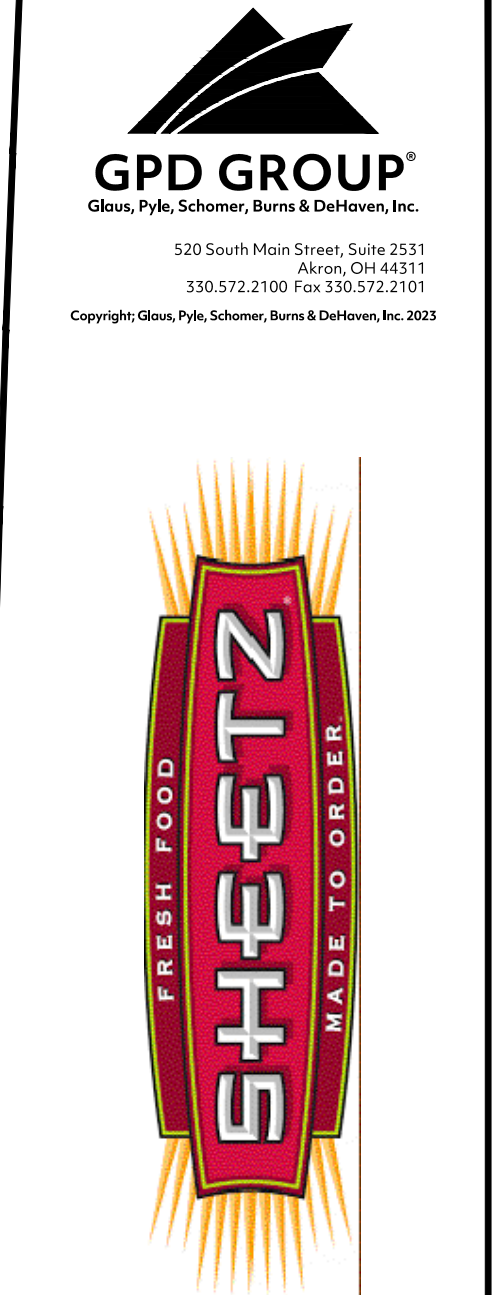
STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 399198, E 2240971 ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 398718, E 2240843 ELEVATION=986.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 399415, E 2241410 ELEVATION=986.48

SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

SWPP PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

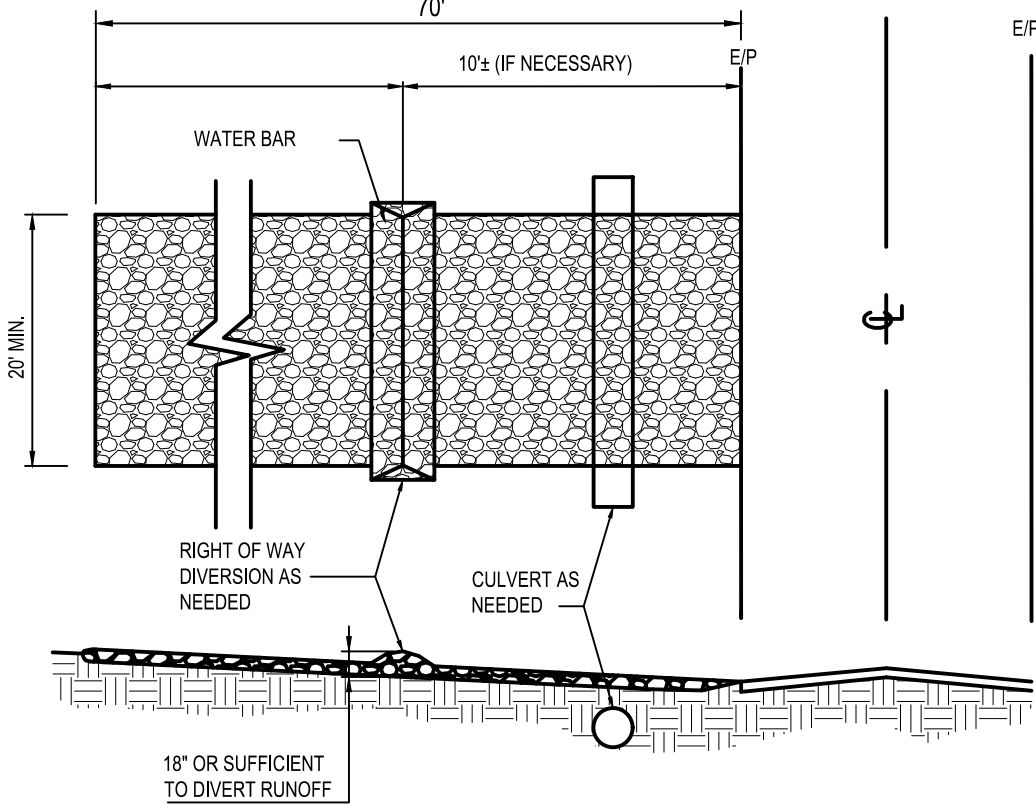
C-602

Drawing Name: C:\2020\202011709_Massillon\working Plans\CSheets\202011709 CSheer - SWPP Plans.dwg
January 21, 2023 - modified

A1

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

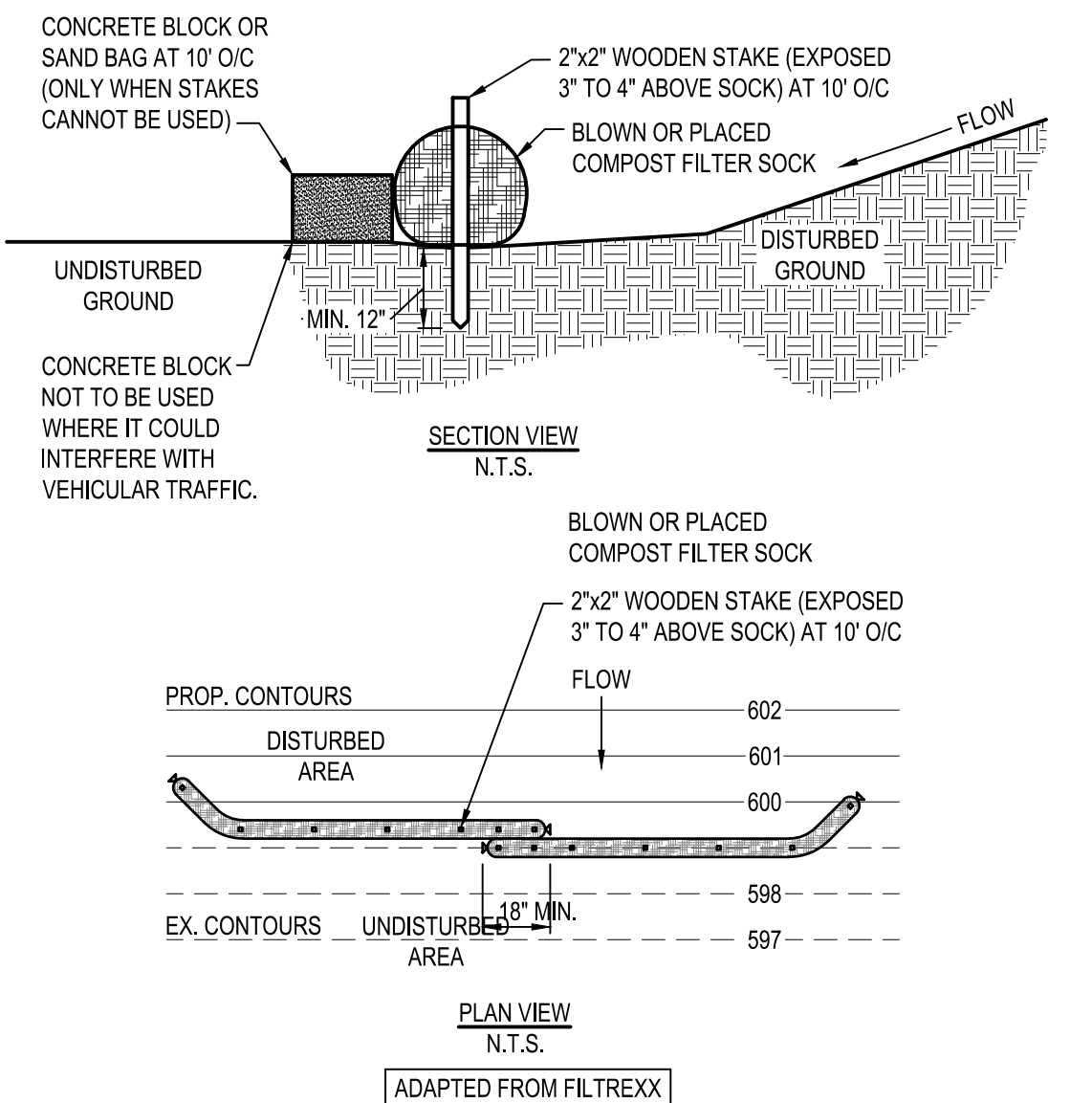
N.T.S.



A2

COMPOST FILTER SOCK

N.T.S.

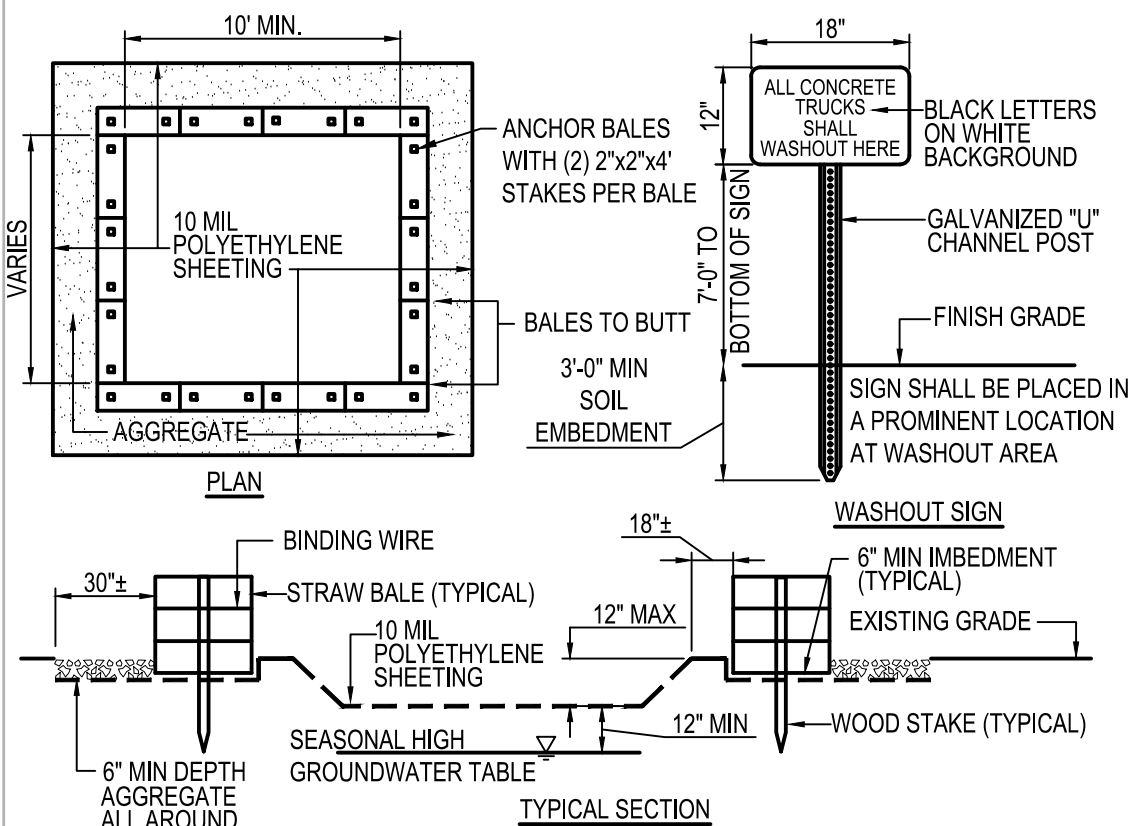


1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
3. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
4. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
5. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

A3

CONCRETE WASHOUT AREA

N.T.S.

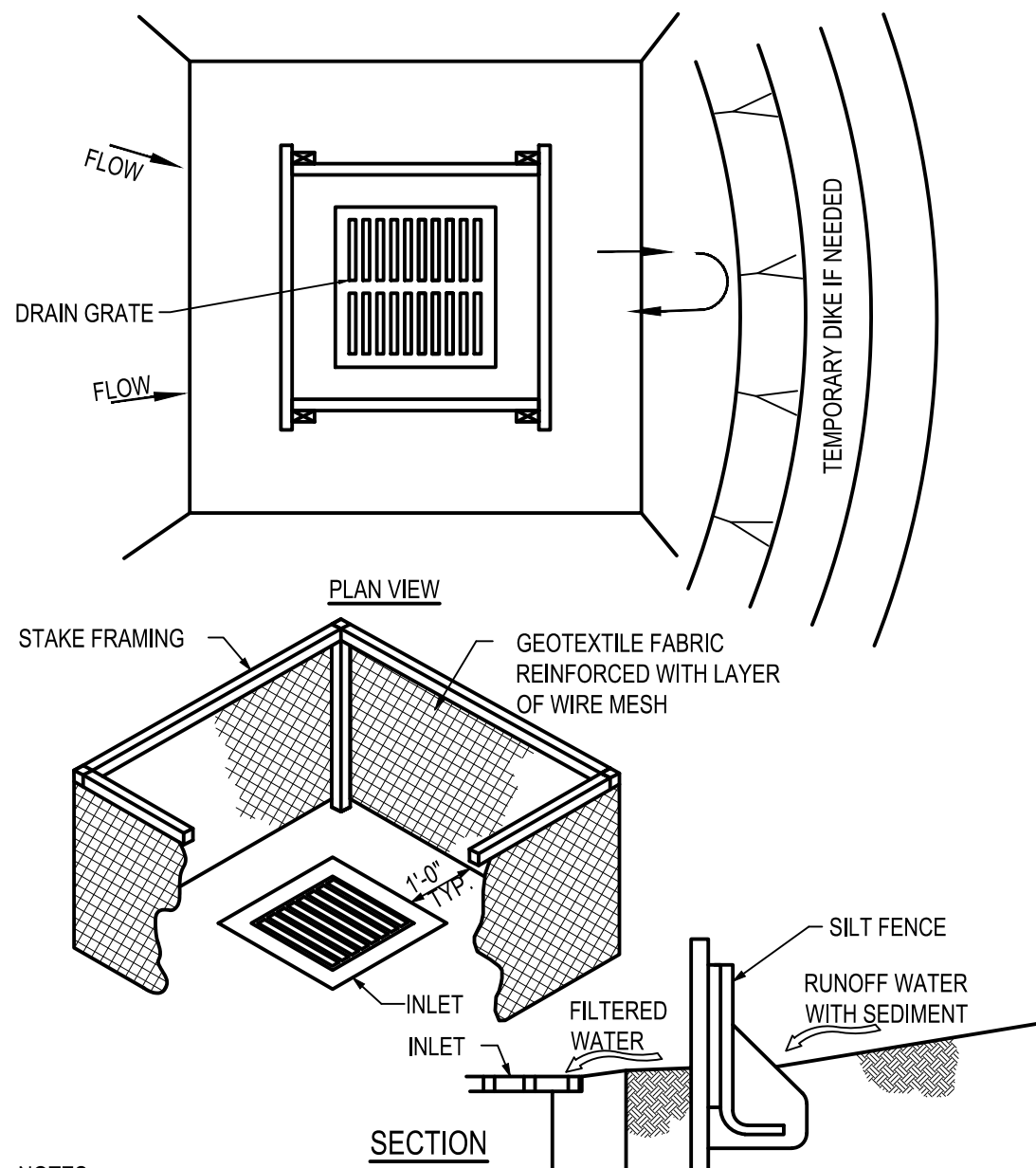


1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

A4

SILT BARRIER

N.T.S.



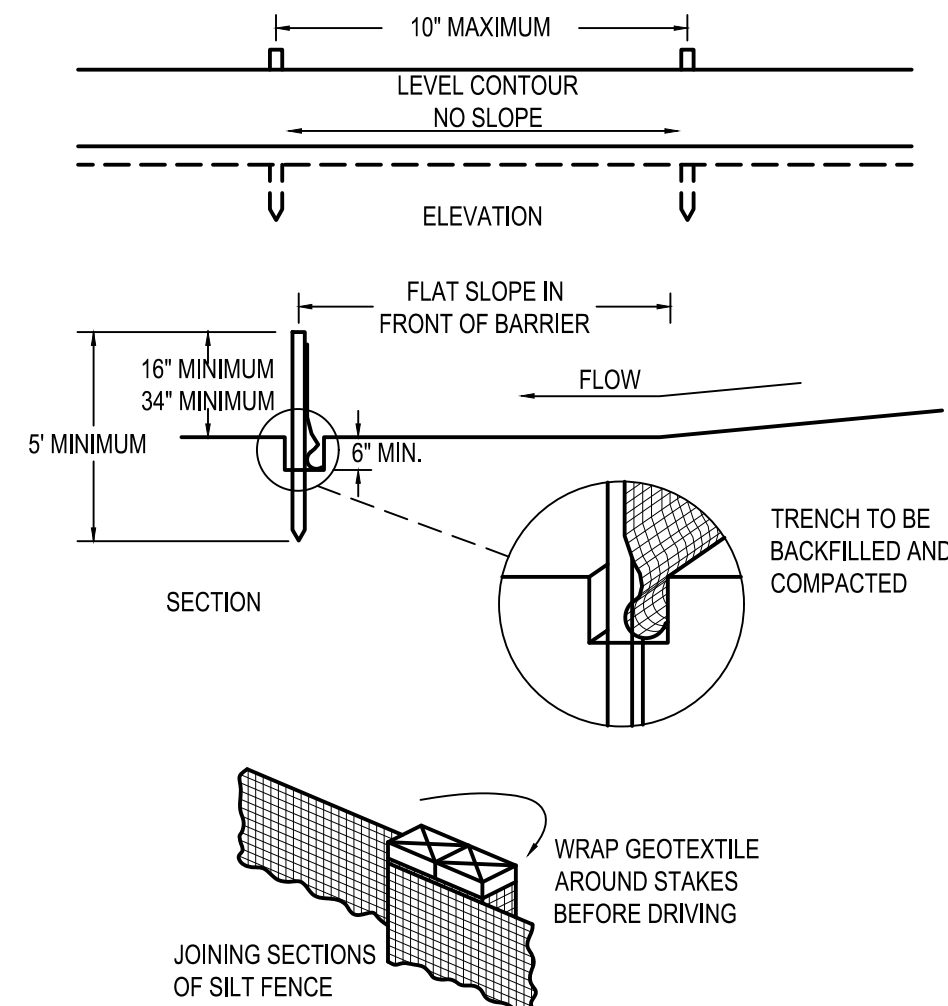
1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
2. SILT FENCE SHALL BE GEOTEXTILE FABRIC, PER STATE'S DEPARTMENT OF TRANSPORTATION STANDARDS, AND SHOULD BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS.
3. STAKES SHALL BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET. STAKES SHALL BE SPACED AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVEN INTO THE GROUND (MINIMUM OF 8 INCHES). THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. THE SILT FENCE SHALL BE STAPLED WITH HEAVY DUTY WIRE STAPLES AT LEAST 1/2 INCH LONG, TO THE WOODEN STAKES, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH, THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 15 INCHES AND SHALL NOT EXCEED 18 INCHES (PLATE 1.08B).
6. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
7. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.
8. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
9. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

MAINTENANCE:
SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

A5

SILT FENCE

N.T.S.



CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER OHIO DOT SPECIFICATIONS.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4632
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTIVITY	1x10 ⁻² sec-cm	ASTM D 4491
APPARENT OPENING SIZE	AOS ≤ 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTION	70%	ASTM D 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4533

JOB NO.

2020117.09

C-603

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JAL	MCC

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646

SWPP DETAILS

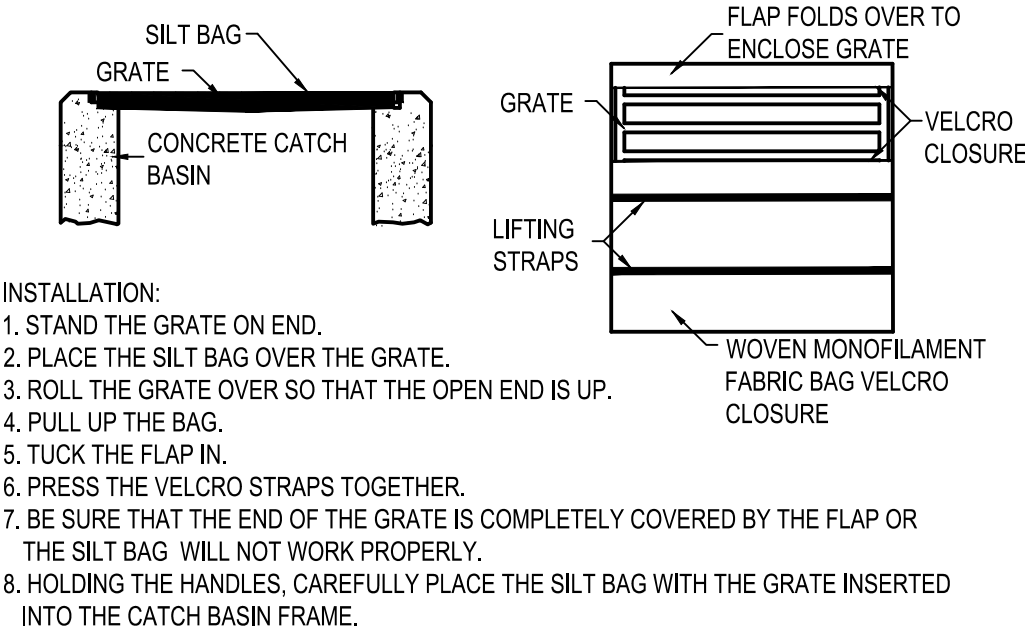


DESCRIPTION	
DATE	
REV.	



- NOTES:
- 1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 - 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
 - 3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
 - 4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 - 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
 - 6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
 - 7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.
 - 8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
 - 9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
 - 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
 - 11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
 - 12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
 - 13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
 - 14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

MAINTENANCE:
SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.



- INSTALLATION:
1. STAND THE GRATE ON END.
 2. PLACE THE SILT BAG OVER THE GRATE.
 3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.
 4. PULL UP THE BAG.
 5. TUCK THE FLAP IN.
 6. PRESS THE VELCRO STRAPS TOGETHER.
 7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
 8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

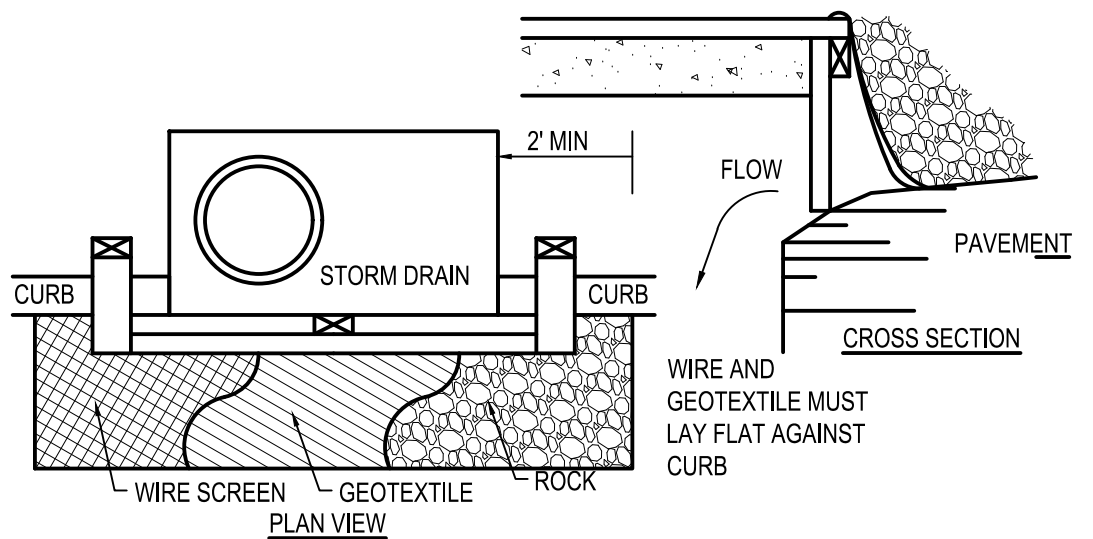
MAINTENANCE:
TO ENSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION:
TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.
NOTE:
PONDED IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

D3

SILT BAG INLET PROTECTION

N.T.S.



1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. CONSTRUCT A WOODEN FRAME OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
3. THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.
4. GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
5. THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN. FRAME.
6. TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE STONE AND/OR GEOTEXTILE REPLACED WHEN CLOGGED WITH SEDIMENT.

D4

CURB INLET PROTECTION

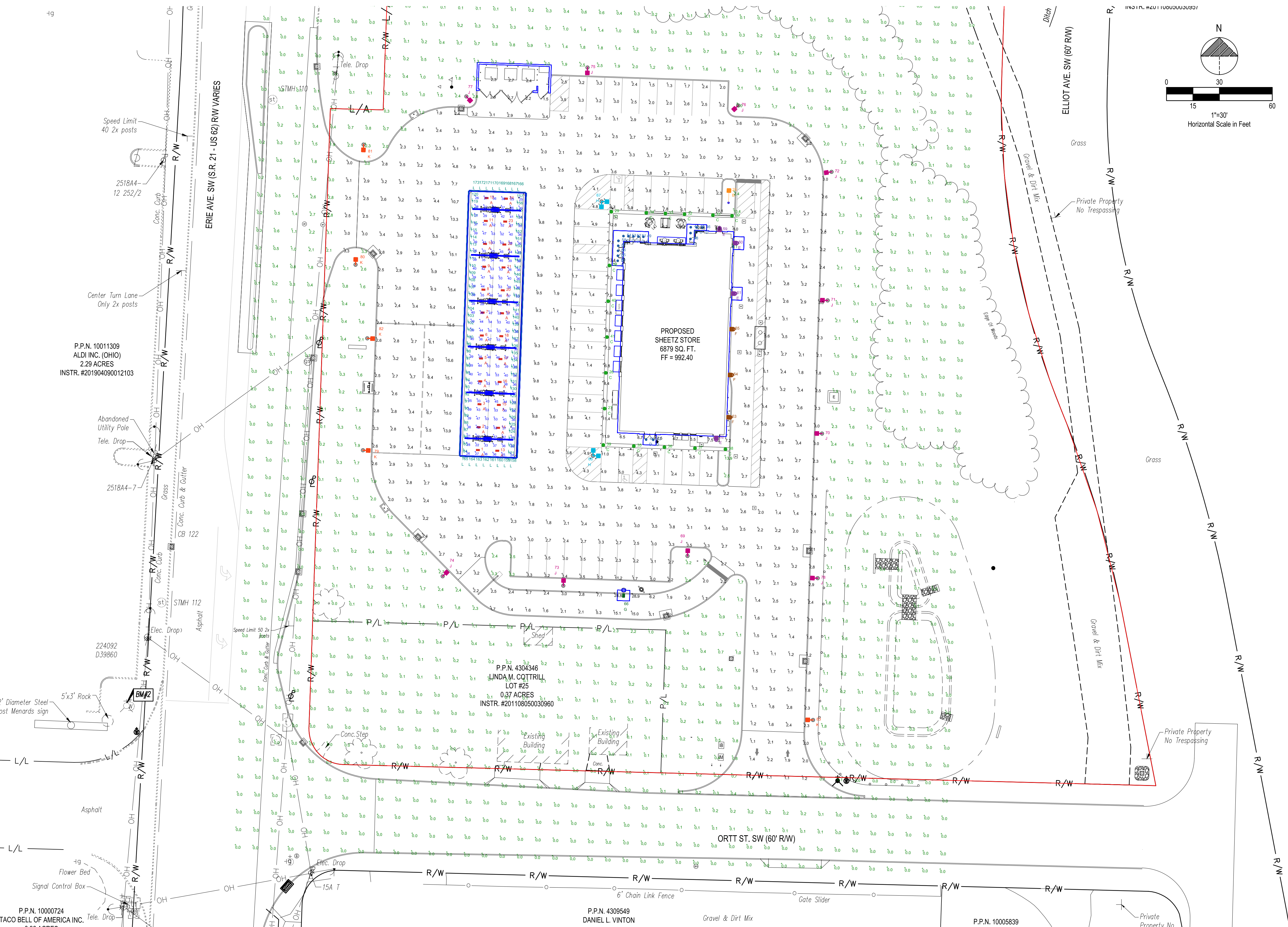
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LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	24	A	SINGLE	11213	1.030	B3-U0-G0	99	2376	CREE, INC.	CAN-228-PS-RM-06-E-UL-XX-525-57K
	1	B	SINGLE	11950	1.040	B4-U0-G0	72	72	CREE, INC.	OSQ-ML-B-AA-XX w/PGM-1 + OSQM-B-11L-57K7-N3-UL-NM-XX
	16	C	SINGLE	1441	1.030	B1-U0-G1	22	352	CREE, INC.	PWY-EDG-3M-P3-02-E-UL-350-57K
	17	D	SINGLE	484	1.000	N.A.	6.9	117.3	B-K LIGHTING, INC.	BKLT CH-LED-e69-FL-BZP-12 (BY OTHERS)
	4	E	SINGLE	2947	1.030	B1-U0-G1	36	144	CREE, INC.	SEC-EDG-3M-WM-02-E-UL-XX-525-57K
	3	F	SINGLE	5893	1.030	B2-U0-G2	68	204	CREE, INC.	SEC-EDG-3M-WM-04-E-UL-XX-525-57K
	1	G	SINGLE	13946	1.030	B3-U0-G1	132	132	CREE, INC.	BXCT9020&/CAN-228-SL-RM-06-E-UL-XX-700 (BRIGHT RED FINISH, ORDERED SEPARATELY)
	2	H	2 @ 90 degrees	11174	1.030	B2-U0-G2	72	288	CREE, INC.	OSQ-ML-B-DA-XX + OSQM-B-11L-57K7-4M-UL-NM-XX
	10	J	Single	11174	1.030	B2-U0-G2	72	720	CREE, INC.	OSQ-ML-B-DA-XX + OSQM-B-11L-57K7-4M-UL-NM-XX
	5	K	Single	8574	1.030	B1-U0-G2	72	360	CREE, INC.	OSQ-ML-B-DA-XX + OSQM-B-11L-57K7-4M-UL-NM-XX-w_OSQ-BLSMF
	90	L	SINGLE	136	1.000	N.A.	4.12	370.8	BLAIR COMPANIES	LINEAR STRIP LIGHT (BY OTHERS, SHOWN FOR CONTRIBUTION)

NOTES:
- ALL AREA LIGHTS ON NEW 20 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
SITE PAVED AREA	3.98	28.9	1.0	3.98	28.90
UNDEFINED	0.37	13.9	0.0	N.A.	N.A.
UNDER CANOPY	40.02	54	22	1.82	2.45

THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES



LUMINAIRE LOCATION SUMMARY			
LUM NO.	LABEL	MTG. HT.	TILT
1 - 12	A	18.79	5
13 - 24	A	17.83	5
25	B	1	167
26 - 41	C	3	0
42 - 58	D	11.33	0
59 - 62	E	9	0
63 - 65	F	12	0
66	G	11	0
67, 68	H	23	0
69 - 78	J	23	0
79 - 83	K	23	0
84 - 120	L	20.875	0
121 - 157	L	18.06	0
158	L	18.25	5
159	L	18.599	5
160	L	18.948	5
161	L	19.297	5
162	L	19.646	5
163	L	19.995	5
164	L	20.344	5
165	L	20.693	5
166	L	18.25	5
167	L	18.599	5
168	L	18.948	5
169	L	19.297	5
170	L	19.646	5
171	L	19.995	5
172	L	20.344	5
173	L	20.693	5

DESCRIPTION	
DATE	
REV.	

FOR
REFERENCE
ONLY

SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44846
PHOTOMETRIC PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

C-701

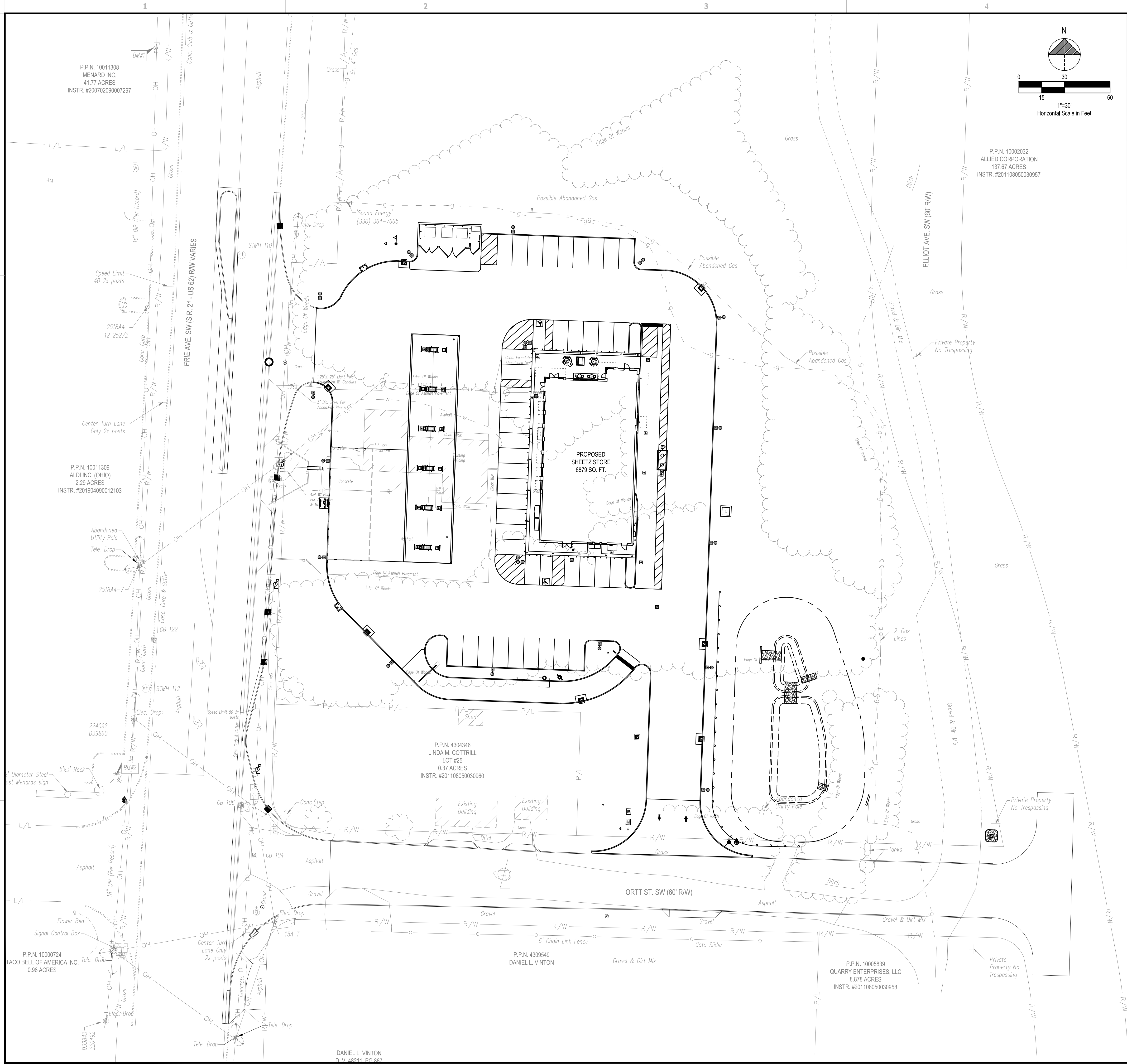


1340 Kemper Meadow Dr, Forest Park, OH 45240
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SCALE:
1" = 40'
LAYOUT BY:
DAR
DWG SIZE:
D
DATE:
1/19/23

PROJECT NAME:
SHEETZ
MASSILLON, OH
DRAWING NUMBER:
RL-8548-S1



UTILITIES SHOWN ON SURVEY WERE LOCATED BASED ON FIELD MARKINGS PROVIDED BY OUPS REQUEST #A220804584.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE OHIO REAL TIME NETWORK.

BENCHMARK #1 - BENCH SPIKE EAST SIDE OF UTILITY POLE. N 3991198, E 2240971 ELEVATION=992.20

BENCHMARK #2 - NORTH WEST BONNET BOLT BETWEEN MUE & LLER. N 3987118, E 2240943 ELEVATION=988.90

BENCHMARK #3 - RAILROAD SPIKE SOUTH SIDE OF UTILITY POLE. N 3994115, E 2241410 ELEVATION=986.48

SEE SHEET C-100 FOR BENCHMARK LOCATIONS.



REV.	DATE	DESCRIPTION



SHEETZ STORE
3544 ERIE AVE SW
MASSILLON (PERRY TOWNSHIP), OH 44646
OVERLAY PLAN

ISSUED FOR:	
PERMIT	01/31/2023
BID	
CONSTRUCTION	
RECORD	

PROJECT MANAGER	DESIGNER
JAL	MCC

JOB NO.
2020117.09

O-101