

SITE IMPROVEMENT PLAN

INTRO CLEVELAND

OHIO CITY

CLEVELAND, OHIO
FOUNDATION IFC SET - MAY 15, 2020



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AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and filing all existing conditions prior to proceeding with construction, complying with all applicable local, state, and federal building and accessibility codes, and notifying Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and construction of property used and located adjacent to the project. Submitting drawings to architect for approval and comments to Architectural Design Group.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. These documents are in all instances incorporated by reference into the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire contract documents and the conditions and have accepted all applicable work. Additional Architectural Specifications appear as available anytime upon request.

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
CLEVELAND, OHIO 44115

ISSUANCES	
DATE	ISSUED FOR
02/01/2019	ENTITLEMENT SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	SD APPROVAL
05/20/2019	SDN DESIGN DEVELOPMENT
06/20/2019	BID RELEASE 2
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/15/2020	10% DD PROGRESS
02/14/2020	100% DD PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	MPC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

GPD PROJECT NO.
20180500



PRJ: # 1818 SCALE: As indicated
CR: BY: NP DR: BY: NG

TITLE SHEET

C-100

ENVIRONMENTAL

CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL

NOTE: SECTION 541 OF THE CODIFIED ORDINANCES OF THE CITY OF CLEVELAND AND ALL RELATED ORDINANCES SHALL APPLY.

- 1. TO RECEIVE A CONNECTION PERMIT THE CONTRACTOR MUST BE A LICENSED AND BONDED SEWER BUILDER WITH THE CITY OF CLEVELAND, DEPARTMENT OF PUBLIC UTILITIES.
2. A SUBMITTED SEWER CONNECTION PLAN SHOULD SHOW DISTANCES FROM MANHOLE/MANHOLES THAT A CONNECTION IS BEING MADE. THE PLAN MUST ALSO SHOW THE SIZES OF THE PIPES AND THEIR LENGTH AND TYPE. IT MUST ALSO SHOW APPROXIMATE INVERT ELEVATION.
3. A PREMIUM JOINT VITRIFIED CLAY PIPE (V.C.P.) TEST TEE MUST BE PROVIDED WITH EVERY CONNECTION. A MANHOLE MAY BE REQUIRED IN SOME CASES WHICH WILL BE DETERMINED BY W.P.C. ENGINEERING SECTION.
4. EXISTING CONNECTION(S) SHOULD BE USED WHEN POSSIBLE.
5. NO DROP MANHOLE REQUIRED FOR STORM CONNECTION TO MANHOLES UNLESS THE DROP IS MORE THAN 10 FEET.
6. NO DROP MANHOLE REQUIRED FOR SANITARY IF THE HEIGHT DIFFERENCE BETWEEN INVERTS IS LESS THAN 18 INCHES.
7. THERE ARE TO BE NO INSIDE DROPS ON MANHOLES!
8. P.V.C. PIPE MAY NOT BE USED INSIDE THE CITY'S RIGHT OF WAY.
9. WITHIN THE CITY'S RIGHT OF WAY, ALL PIPE 18" AND SMALLER SHOULD BE V.C.P. C-700 E.S. WITH PREMIUM JOINTS. (CAST IRON OR DUCTILE IRON PIPE MAY BE USED IN SOME LOCATIONS INCLUDING THE TEST TEE).
10. WITHIN THE CITY'S RIGHT OF WAY, ALL PIPE 21" AND LARGER MUST BE R.C.P. CL. IV WITH PREMIUM JOINTS.
11. A MANHOLE MUST BE USED WHEN A NEW CONNECTION WOULD DESTROY THE STRUCTURAL INTEGRITY OF A PIPE IT IS JOINING.
12. WHEN A CONNECTION IS BEING MADE TO A SEWER PIPE (LARGER THAN 18 INCHES) IN WHICH A MANHOLE IS NOT NEEDED, W.P.C. REQUIRES THAT A SADDLE BE USED. CONNECTING TO AN EXISTING MANHOLE WOULD BE PREFERRED.
13. WHEN A CONNECTION IS BEING MADE TO A SEWER PIPE (18 INCHES AND SMALLER) IN WHICH A MANHOLE IS NOT NEEDED W.P.C. REQUIRES THAT A WYE BRANCH BE USED. (NO SADDLES)
14. CONNECTIONS TO CATCH BASINS ARE NOT PERMITTED.
15. ALL CATCH BASINS LOCATED WITHIN THE PRIVATE PROPERTY AND HAVE AN OUTLET TO THE MAIN SEWER OR SEWER APPURTENANCES SHALL HAVE A TRAP AND 2 FOOT MINIMUM SLUMP.
16. STORM FLOW AND/OR STORM DETENTION CALCULATIONS SHOULD BE SUBMITTED WITH STORM CONNECTION PLANS (HOUSE CONNECTIONS ARE EXCLUDED).
17. THE CONTRACTOR SHOULD NOTIFY THE DIVISION OF WATER POLLUTION CONTROL (WPC) PRIOR TO THE START OF CONSTRUCTION. CALL THE ENGINEERING OFFICE AT (216) 664-2756 OR (216) 864-3838 TO COORDINATE SEWER WORK.
18. THE CONTRACTOR IS REQUIRED TO SUBMIT SEWER SHOP DRAWINGS TO WPC PRIOR TO SEWER INSTALLATION. THE DRAWINGS SHOULD INCLUDE THE SEWER PIPES, MANHOLES, CATCH BASINS AND OTHER SEWER APPURTENANCES.
19. WPC WILL INSPECT THE CITY SEWER INSTALLATION. THE COST OF THE FULL TIME INSPECTION SHALL BE PAID BY THE CONTRACTOR. AN INSPECTION DEPOSIT SHALL BE SUBMITTED TO WPC PRIOR TO THE START OF CONSTRUCTION.
20. THE PROPOSED SEWERS SHOULD BE CONSTRUCTED IN ACCORDANCE TO THE PLANS AND SPECIFICATIONS APPROVED BY WPC. ANY DEVIATIONS FROM THE APPROVED PLANS OR SPECIFICATIONS REQUIRE A NEW PLAN SUBMITTAL REFLECTING THE CHANGES. UPON REVIEW OF THE REVISED ITEMS, WPC WILL RE-ISSUE A NEW APPROVAL. IT IS STRICTLY PROHIBITED TO CONSTRUCT ANY SEWERS UNLESS THEY ARE APPROVED BY THE WPC.
21. UPON COMPLETION OF THE SEWER INSTALLATION, THE CONTRACTOR IS REQUIRED TO SUBMIT A HARD COPY (24"x36") AND AN ELECTRIC COPY OF THE AS BUILT PLANS, AND A CITY COPY OF THE NEW CITY SEWERS. WPC RESERVES THE RIGHT NOT TO APPROVE ANY SEWER THAT DOES NOT MEET THE CITY REQUIREMENTS.
22. THE CONTRACTOR IS RESPONSIBLE FOR THE PLAN REVIEW FEES OF THE NEW CITY MAIN SEWERS.
23. THE CONTRACTOR IS REQUIRED TO OBTAIN PERMITS FOR ALL PROPOSED OR EXISTING SEWER CONNECTIONS THAT WILL SERVICE ANY PROPERTIES.

CITY OF CLEVELAND, GENERAL CONSTRUCTION NOTES

- 1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE 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. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS 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 GENERAL CONTRACTOR/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
3. THE MAP OF EXISTING CONDITIONS OF SURFACE FEATURES SHALL BE CONSIDERED ADDITIONAL INFORMATION TO THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION, HORIZONTAL AND VERTICAL OR ALL IMPROVEMENTS PER THESE PLANS.
4. UPON RECEIPT OF POINT COORDINATE DATA, THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH GIVEN POINTS TO CONFIRM GEOMETRIC DATA AND SUBMIT TO THE ENGINEER PRIOR TO ANY CONSTRUCTION.
5. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBSEQUENT ADJUSTMENT, REMOVAL AND RELOCATION OF ALL UTILITIES REQUIRED TO INSTALL PROPOSED IMPROVEMENTS.
6. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CITY/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.
7. ALL WORK WITHIN THE RIGHTS OF WAY AND PRIVATE ROADWAYS SHALL BE IN ACCORDANCE WITH THE CITY OF CLEVELAND ORDINANCES AND SPECIFICATIONS.
8. ALL CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR SEWERS ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF CLEVELAND UNIFORM STANDARD CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE ORDINANCES OF THE CITY OF CLEVELAND.
9. WITHIN CITY RIGHT OF WAYS, ALL STORM SEWER PIPE 18" AND SMALLER SHALL BE VITRIFIED CLAY PIPE (VCP) ASTM C-700 EXTRA STRENGTH ITEM 706.08 AS SHOWN ON THE PLAN AND SHALL HAVE A JOINTING MATERIAL OF THE COMPRESSION TYPE PREMIUM JOINT PER ITEM 706.12, A.S.T.M. D-3212 OR DUCTILE IRON WITH PREMIUM JOINTS OR APPROVED EQUAL PIPE WITH PREMIUM JOINTS OF THE SIZE AS SHOWN ON THE PLANS INSTALLED AT A MINIMUM GRADE OF 1.00% TO ACHIEVE PROPER CLEAN-OUT VELOCITIES. ALL CONNECTIONS SHOULD BE EXTENDED AS SHOWN ON THE PLAN OR APPROVED EQUAL. ALL CONNECTIONS SHALL BE MADE WITH FACTORY MANUFACTURED SYSTEMS. PIPES LARGER THAN 18" SHALL BE RCP MIN CLASS III WITH PREMIUM JOINTS PER ITEM 706.11.
10. WITHIN CITY RIGHT OF WAY, ALL SANITARY SEWER PIPE 18" AND SMALLER SHALL BE OF THE PIPE SIZE SHOWN ON THE PLANS AND BE V.C.P. ASTM C-700 EXTRA STRENGTH ITEM 706.08 WITH PREMIUM JOINTS ITEM 706.12 INSTALLED AT A GRADE AS SHOWN ON THE PLANS. ALL CONNECTIONS SHOULD BE EXTENDED AS SHOWN ON THE PLAN. ONLY WYE BRANCH FITTINGS ARE ACCEPTABLE FOR SANITARY CONNECTIONS. PIPES LARGER THAN 18" SHALL BE RCP MIN CLASS III WITH PREMIUM JOINTS PER ITEM 706.11.
11. THE LINE AND GRADE OF SEWER MAINS SHALL BE CONTROLLED DURING THE SEWER CONSTRUCTION BY USE OF AN APPROVED LASER DEVICE AND CONTRACTOR SHALL PROVIDE SUCH LASER DEVICE WITHOUT ANY EXTRA COST.
12. ALL SEWERS AND MANHOLES MUST BE CLEANED AND VIDEO TAPED BEFORE ACCEPTANCE BY THE CITY AND THE OWNER.
13. AS-BUILT MEASUREMENTS ON ALL STORM AND SANITARY SEWERS ARE REQUIRED TO BE SUBMITTED BY THE CONTRACTOR TO THE OWNER WITHIN 60 DAYS AFTER IMPROVEMENTS HAVE BEEN ACCEPTED.
14. CONNECTIONS TO EXISTING STORM SEWER MAIN LINE PIPES SHALL BE MADE WITH THE LIKE PIPE MATERIALS. ALL JOINTS SHALL BE SEALED AS DIRECTED BY THE CITY ENGINEER AND ALL COSTS SHALL BE INCLUDED IN THE PRICE BID PER EACH NEW STRUCTURE, BASIN OR MANHOLE.
15. THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS THAT THE FLOW OF ALL EXISTING SEWERS AND LATERALS WILL BE MAINTAINED AT ALL TIMES. ANY ADDITIONAL LABOR, EQUIPMENT OR COST INVOLVED IN MAINTAINING THIS FLOW BY PUMPING OR BY ANY OTHER APPROVED METHOD, WHICH IS NECESSARY FOR COMPLETION OF THIS PROJECT, SHALL BE INCLUDED IN THE PRICE BID FOR ASSOCIATED 611 ITEMS.
16. UNDERDRAIN PIPE SHALL BE RIGID PERFORATED PLASTIC PIPE OF THE A.S.T.M. DESIGNATION F-758 OR APPROVED EQUAL PIPE. THE PIPE SIZE SHALL BE AS SHOWN ON THE PLANS.
17. THE CONTRACTOR SHALL SUPPORT ALL EXISTING UTILITIES AND EXISTING SERVICE CONNECTIONS DURING CONSTRUCTION. THE PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ASSOCIATED 611 ITEMS.
18. ANY EXISTING UTILITIES AND EXISTING SERVICE CONNECTIONS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED AT NO ADDITIONAL COST TO THE CITY AND OWNER.
19. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE AND THE OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE TWO WORKING DAYS PRIOR TO STARTING THE JOB.

- 20. THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND IS NOT NECESSARILY COMPLETE OR CORRECT. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DUE DILIGENCE IN PROTECTING THESE FROM DAMAGE. ALL EXISTING UTILITIES AND STRUCTURES DAMAGED DURING CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE REPAIRED OR RESTORED BY THE CONTRACTOR IN ACCORDANCE WITH THE DIRECTION OF THE CITY ENGINEER AT NO ADDITIONAL COST TO THE CITY OR OWNER.
21. THE CONTRACTOR IS TO PROTECT AND USE CAUTION NOT TO DAMAGE AND/OR DISTURB THE EXISTING OVERHEAD AND UNDERGROUND FIBER OPTICS ELECTRICAL, TELEPHONE AND/OR CABLE TELEVISION WIRES AND HOUSE SERVICE WIRES, ETC. IF ANY WORK IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANY AT NO ADDITIONAL COST TO THE CITY OR OWNER. WORK SHALL NOT COMMENCE UNTIL PROPER PROTECTION OF ALL FACILITIES HAVE BEEN MADE PER SECTION 107 OF THE ODOT CMS.
22. WHERE THE PLANS PROVIDE FOR PROPOSED SEWER TO BE CONNECTED TO AND/OR TO CROSS EITHER OVER OR UNDER AN EXISTING UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING UTILITY BOTH AS TO LINE AND GRADE, BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT. THERE WILL BE NO EXTRA PAYMENT FOR ABOVE WORK.
23. THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS AND CARRY OUT THE WORK IN A MANNER TO CAUSE THE LEAST DISTURBANCE AND/OR INTERFERENCE WITH NORMAL FLOW OF TRAFFIC WITHIN THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL NOTIFY THE CLEVELAND POLICE, FIRE AND ENGINEERING DEPARTMENTS A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING STARTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND THE CONTROL OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC FROM ALL DAMAGE. IN ORDER THAT ALL UNNECESSARY DELAY TO THE TRAVELING PUBLIC MAY BE AVOIDED, THE CONTRACTOR SHALL PROVIDE AND STATION COMPETENT FLAGMEN WHOSE SOLE DUTIES SHALL CONSIST OF DIRECTING THE MOVEMENT OF PUBLIC AND VEHICLE TRAFFIC EITHER THROUGH OR AROUND THE WORK AREAS. THE CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN TO THE CITY WITH THE CONTRACTOR'S APPLICATION OF THEIR ROAD OPENING PERMIT.
24. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND GRADE EXCAVATED AREAS SO AS TO ELIMINATE PONDING ON THE SITE.
25. ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE CITY AND OWNER WITHOUT ANY EXTRA COST.
26. ALL NEW SEWERS, MANHOLES AND/OR INLET BASINS WITHIN THE PROJECT AREA MUST BE CLEANED PRIOR TO ACCEPTANCE BY THE CITY AND OWNER WITHOUT ANY EXTRA COST.
27. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.
28. COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 IS REQUIRED OF ALL CONTRACTORS ON THIS PROJECT.
29. ALL CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR GRADING AND PAVING ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND THE ORDINANCES OF THE CITY OF CLEVELAND UNLESS OTHERWISE NOTED IN THE PLANS.
30. ALL CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR EXCAVATION AND/OR EMBANKMENT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND THE ORDINANCES OF THE CITY OF CLEVELAND. COMPACTION TO 95 PERCENT OF THE MAXIMUM STANDARD.
31. EXISTING RIGID PAVEMENT SHALL BE REMOVED BY FULL DEPTH SAW CUTTING OR OTHER METHOD APPROVED BY THE CITY ENGINEER.
32. ALL EXCAVATION UNDER OR NEAR EXISTING OR FUTURE PAVEMENT, DRIVE AND SIDEWALKS SHALL BE BACKFILLED WITH APPROVED EXCAVATED GRANULAR MATERIAL OR PREMIUM BACKFILL (LIMESTONE OODT 304) COMPACTED TO CITY REQUIREMENTS THE DECISION OF THE CITY ENGINEER SHALL PREVAIL.
33. WITHIN THE PROJECT AREA THE CONTRACTOR SHALL ADJUST TO THE NEW GRADE ANY AND ALL WATER VALVE BOXES, WATER SERVICE CONNECTION STOP BOXES, HYDRANTS WITH HYDRANT VALVE BOXES, STORM AND/OR SANITARY CLEANOUTS, STORM AND/OR SANITARY MANHOLES OR SIMILAR STRUCTURES, WHETHER SHOWN ON THE PLANS OR NOT, IN ACCORDANCE WITH ITEM 611 IN THE O.D.O.T. SPECIFICATIONS.
34. CONTRACTOR SHALL COMPLY WITH THE CITY OF CLEVELAND EROSION AND SEDIMENT CONTROL PROCEDURES AND/OR ORDINANCES, AND THE RAINWATER AND LAND DEVELOPMENT EROSION AND SEDIMENT CONTROL PROCEDURES BY OHIO'S STANDARDS FOR STORMWATER MANAGEMENT LAND DEVELOPMENT AND URBAN STREAM PROTECTION, LATEST EDITION.
35. ANY WATER MAIN ITEMS NECESSARY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF CLEVELAND DIVISION OF WATER REGULATIONS.
36. THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE TO ALL ADJACENT PROPERTY'S ACCESS POINTS
37. STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
38. TESTING OF CONSTRUCTION MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF CLEVELAND SPECIFICATION SECTION 10-7. THE BID FOR PERFORMANCE OF THESE TESTS SHALL INCLUDE ANY PREMIUM TIME NECESSARY TO PERFORM WORK ON HOLIDAYS, WEEKENDS AND/OR OVERTIME. ALL TESTING SHALL BE SUBMITTED FOR ACCEPTANCE BY DIVISION OF ENGINEERING & CONSTRUCTION PRIOR TO COMMENCING NEXT OPERATION.

AREA FOR CITY APPROVAL STAMP

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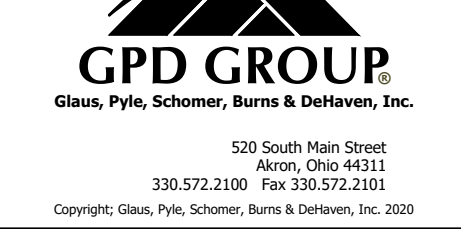
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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113

Table with columns: DATE, ISSUANCE, and description of project milestones from 02/01/2019 to 09/15/2020.

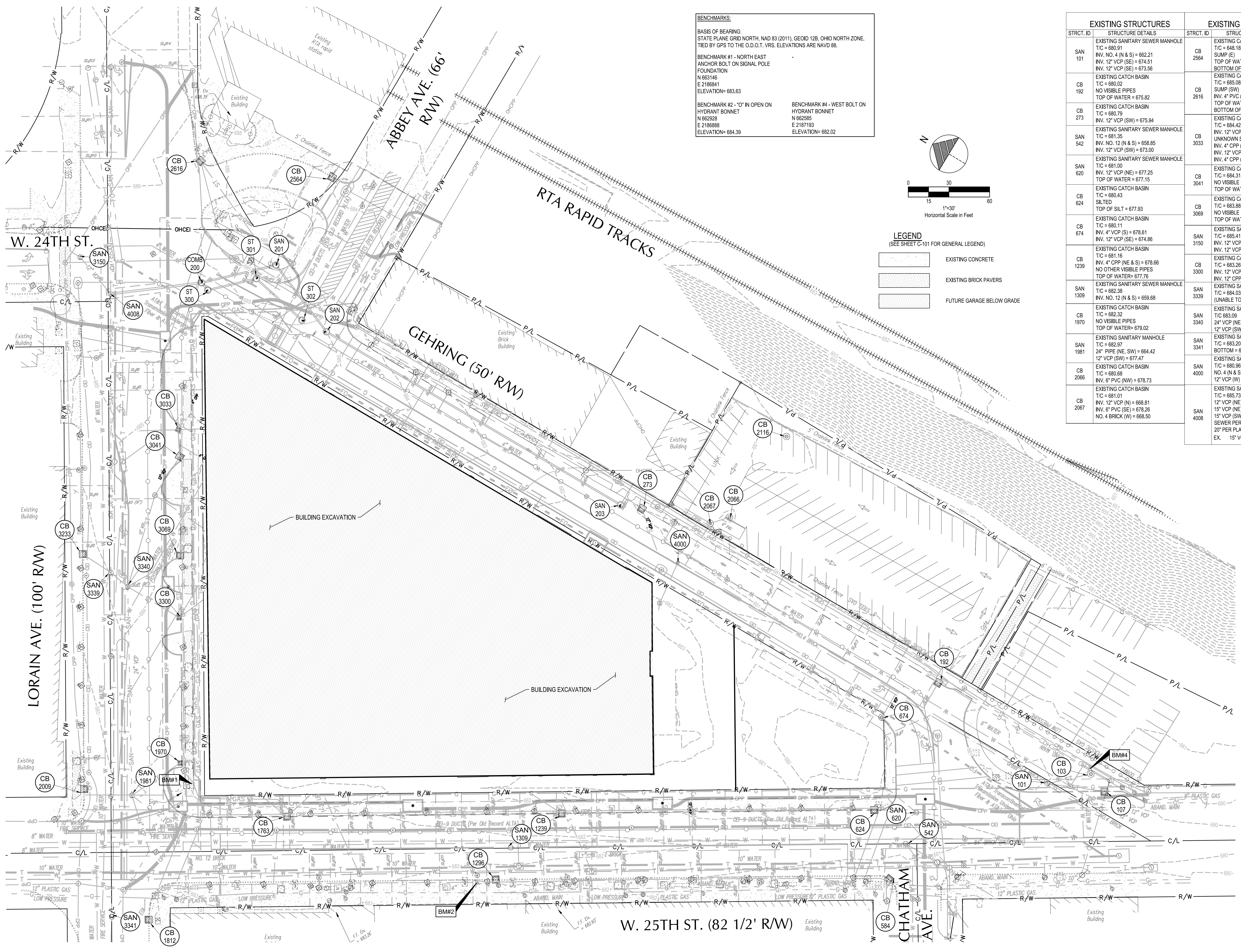
GPD PROJECT NO. 2018350.00



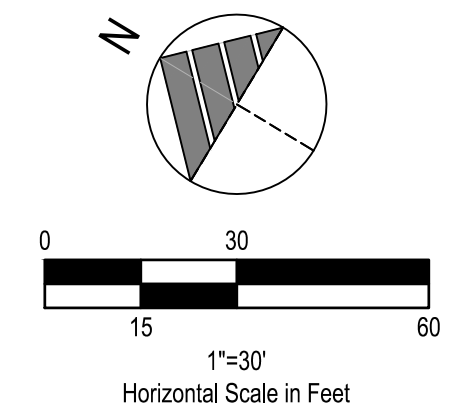
PROJ. # 1818 SCALE: As indicated
CK. BY: MP DR. BY: MP

LOCAL AUTHORITY
GENERAL NOTES

C-102



BENCHMARKS
 BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE C.D.O.T. VRS. ELEVATIONS ARE NAVD 88.
 ANCHOR BOLT ON BRONZ PIVOT
 FOUNDATION
 N 68146
 E 218841
 ELEVATION= 683.63
 BENCHMARK #2 - 10" IN OPEN ON
 HYDRANT BONNET
 N 68209
 E 218888
 ELEVATION= 684.39
 BENCHMARK #4 - WEST BOLT ON
 HYDRANT BONNET
 N 68285
 E 218793
 ELEVATION= 682.02



LEGEND
 (SEE SHEET C-101 FOR GENERAL LEGEND)
 [Symbol] EXISTING CONCRETE
 [Symbol] EXISTING BRICK PAVERS
 [Symbol] FUTURE GARAGE BELOW GRADE

STRUCT. ID	STRUCTURE DETAILS	STRUCT. ID	STRUCTURE DETAILS
SAN 101	EXISTING SANITARY SEWER MANHOLE T/C = 683.91 INV. NO. 4 (N & S) = 682.21 INV. 12" VCP (SE) = 674.51 INV. 12" VCP (SE) = 673.56	CB 2564	EXISTING CATCH BASIN T/C = 684.18 SUMP (E) TOP OF WATER = 680.28 BOTTOM OF WATER = 678.18
CB 192	EXISTING CATCH BASIN T/C = 680.02 NO VISIBLE PIPES TOP OF WATER = 675.82	CB 2616	EXISTING CATCH BASIN T/C = 685.08 INV. 4" PVC (SE) = 682.58 TOP OF WATER = 682.78 BOTTOM OF WATER = 681.88
CB 273	EXISTING SANITARY SEWER MANHOLE T/C = 681.35 INV. NO. 12 (N & S) = 678.85 INV. 12" VCP (SW) = 673.00	CB 3003	EXISTING CATCH BASIN T/C = 684.42 INV. 12" VCP (W) = 682.22 UNKNOWN SIZE (N) = 680.42 INV. 4" CPV (E) = 682.92 INV. 12" VCP (S) = 682.52 INV. 4" CPV (SV) = 682.62
SAN 620	EXISTING SANITARY SEWER MANHOLE T/C = 681.00 INV. 12" VCP (NE) = 677.25 TOP OF WATER = 677.15	CB 3041	EXISTING CATCH BASIN T/C = 683.98 NO VISIBLE PIPES TOP OF WATER = 681.38
CB 624	EXISTING CATCH BASIN T/C = 680.43 SILTED TOP OF SILT = 677.93	CB 3069	EXISTING CATCH BASIN T/C = 685.41 NO VISIBLE PIPES TOP OF WATER = 680.31
CB 674	EXISTING CATCH BASIN T/C = 680.11 INV. 4" VCP (S) = 678.61 INV. 12" VCP (SE) = 674.88	SAN 3150	EXISTING SANITARY SEWER MANHOLE T/C = 685.41 INV. 12" VCP (N) = 682.21 INV. 12" VCP (SW) = 680.31
CB 1239	EXISTING CATCH BASIN T/C = 681.16 INV. 4" CPV (NE & S) = 678.86 NO OTHER VISIBLE PIPES TOP OF WATER = 677.78	CB 3300	EXISTING CATCH BASIN T/C = 683.26 INV. 12" VCP (E) = 679.61 INV. 12" CPV (E) = 680.76
SAN 1309	EXISTING SANITARY SEWER MANHOLE T/C = 682.38 INV. NO. 12 (N & S) = 659.66	SAN 3339	EXISTING SANITARY SEWER MANHOLE T/C = 684.03 (UNABLE TO OPEN)
CB 1970	EXISTING CATCH BASIN T/C = 682.35 NO VISIBLE PIPES TOP OF WATER = 679.02	SAN 3340	EXISTING SANITARY MANHOLE T/C = 683.09 24" VCP (NE, SE, NE) = 683.89 12" VCP (SW) = 677.04
SAN 1981	EXISTING SANITARY MANHOLE T/C = 682.97 24" PIPE (NE, SW) = 684.42 12" VCP (SW) = 677.47	SAN 3341	EXISTING SANITARY MANHOLE T/C = 683.20 BOTTOM = 683.35
CB 2066	EXISTING CATCH BASIN T/C = 680.66 INV. 6" PVC (NW) = 678.73	SAN 4000	EXISTING SANITARY MANHOLE T/C = 680.96 NO. 4 (N & S) = 684.76 12" VCP (W) = 681.56
CB 2067	EXISTING CATCH BASIN T/C = 681.01 INV. 12" VCP (N) = 686.81 INV. 6" PVC (SE) = 678.26 NO. 4 BRICK (W) = 686.50	SAN 4008	EXISTING SANITARY MANHOLE T/C = 685.73 12" VCP (NE) = 678.63 15" VCP (NE) = 667.28 (POSSIBLE DEAD SEWER PER WPC) 20" PER PLAN VCP (SW) = 689.05 EX. 15" VCP (SE) = 689.50

STRUCT. ID	STRUCTURE DETAILS
COMB 200	COMBINED SEWER MANHOLE RIM = 685.22
SAN 201	SANITARY SEWER MANHOLE RIM = 686.10 INV. 12" VCP (NW, SW) = 670.42
SAN 202	SANITARY SEWER MANHOLE RIM = 686.50 INV. 12" VCP (NE, S) = 670.76
SAN 203	SANITARY SEWER MANHOLE RIM = 686.20 INV. 6" VCP (E) = 672.12 INV. 12" VCP (N) = 672.12
ST 300	STORM SEWER MANHOLE RIM = 685.15 INV. 12" VCP (N, SE) = 674.14
ST 301	STORM SEWER MANHOLE RIM = 685.15 INV. 12" VCP (NE) = 677.32 INV. 12" VCP (NW, S) = 674.32
ST 302	STORM SEWER MANHOLE RIM = 685.95 INV. 12" VCP (NE) = 679.55 INV. 12" VCP (E) = 677.55 INV. 12" VCP (N) = 674.55

ARCH. EL. 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and construction of property used and located thereon. Submitting drawings to architect for approval does not constitute an Architectural Design contract.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. These documents are to be read in conjunction with the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire contract documents and all its conditions and have accepted all applicable work. Additional Architectural Specifications are available upon request.

Hereinafter Plaintiff, ITS, shall retain all copyrights, statutory and common law right and request to these plans and building design. Reproduction, changes or preparation to any third party shall be done without obtaining approval, written permission and consent of Plaintiff, ITS.

Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
 CLEVELAND, OHIO 44113

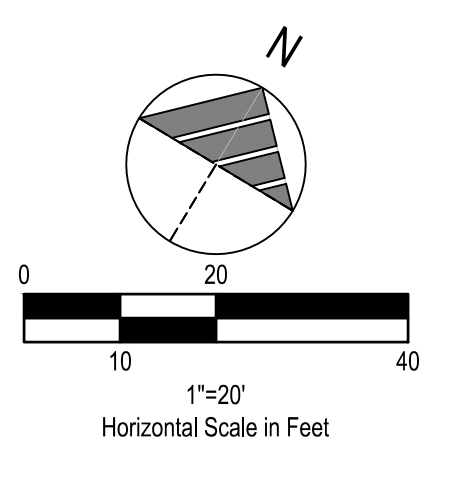
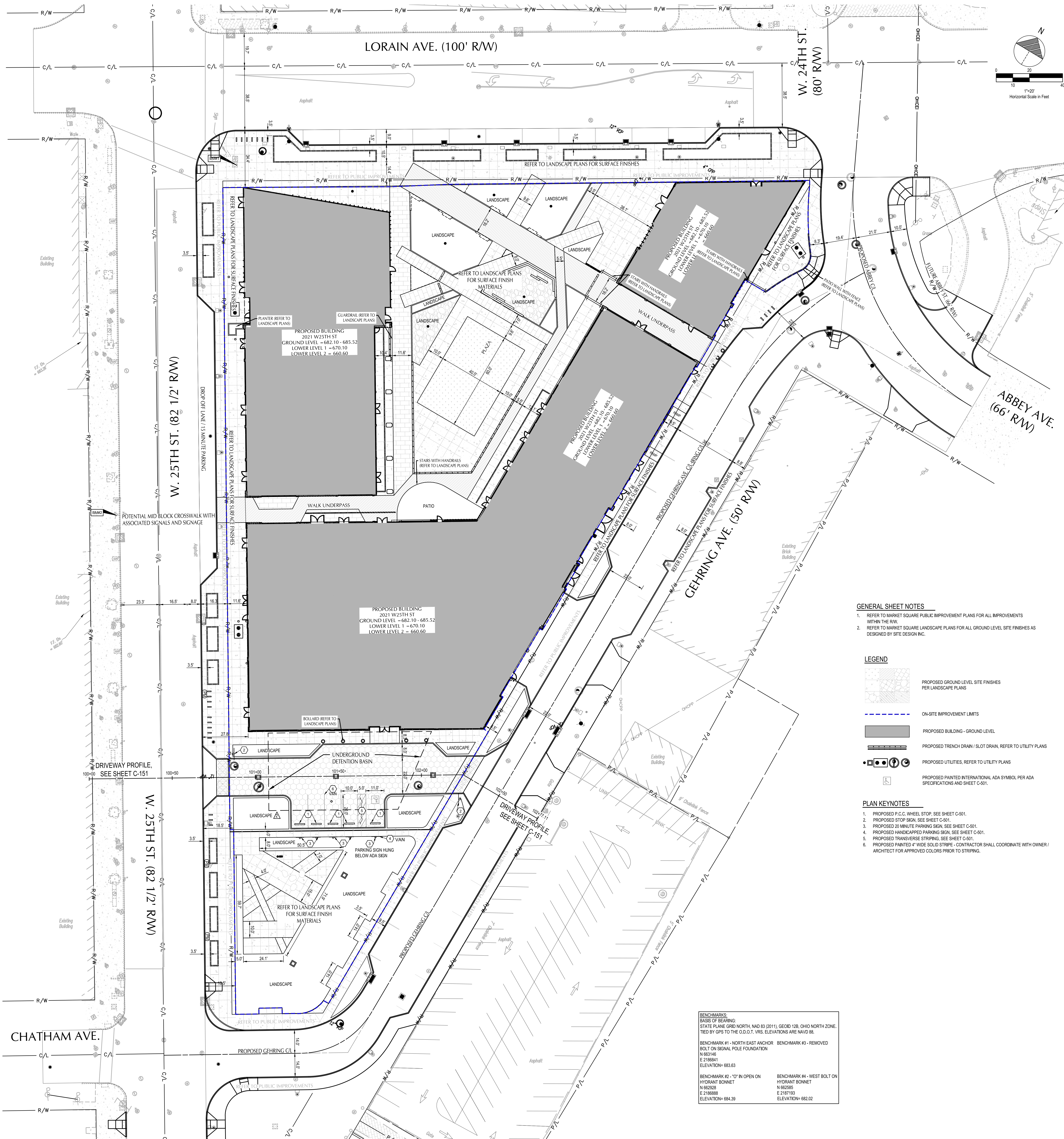
ISSUANCES	DATE	ISSUED FOR
02/01/2019	02/01/2019	PERMITTING SUBMITTAL
03/04/2019	03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	03/12/2019	100% APPROVAL
06/20/2019	06/20/2019	BID RELEASE DEVELOPMENT
06/20/2019	06/20/2019	BID RELEASE 2
10/14/2019	10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	12/10/2019	FOUNDATION PERMIT
01/16/2020	01/16/2020	100% DO PROGRESS
02/14/2020	02/14/2020	100% DO PROGRESS
03/13/2020	03/13/2020	BUILDING PERMIT
03/17/2020	03/17/2020	WPC COMMENTS
04/28/2020	04/28/2020	CITY COMMENTS
06/01/2020	06/01/2020	FOUNDATION IFC PROGRESS SET
06/15/2020	06/15/2020	FOUNDATION IFC

GPD PROJECT NO. 2018090.00

GPD GROUP
 Giese, Pyle, Schaefer, Harris & DeBorja, Inc.
 330 S.W. 22nd Street
 Miami, FL 33135
 305.572.2299 Fax: 305.572.1702
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PROJ. J: 1818 SCALE: As indicated
 CK. BY: RP DN. BY: NG

EXISTING CONDITIONS PLAN



GENERAL SHEET NOTES

1. REFER TO MARKET SQUARE PUBLIC IMPROVEMENT PLANS FOR ALL IMPROVEMENTS WITHIN THE R/W.
2. REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC.

LEGEND

- PROPOSED GROUND LEVEL SITE FINISHES PER LANDSCAPE PLANS
- ON-SITE IMPROVEMENT LIMITS
- PROPOSED BUILDING - GROUND LEVEL
- PROPOSED TRENCH DRAIN / SLOT DRAIN, REFER TO UTILITY PLANS
- PROPOSED UTILITIES, REFER TO UTILITY PLANS
- PROPOSED PAINTED INTERNATIONAL ADA SYMBOL, PER ADA SPECIFICATIONS AND SHEET C-501.

PLAN KEYNOTES

1. PROPOSED P.C.C. WHEEL STOP, SEE SHEET C-501.
2. PROPOSED STOP SIGN, SEE SHEET C-501.
3. PROPOSED 20 MINUTE PARKING SIGN, SEE SHEET C-501.
4. PROPOSED HANDICAPPED PARKING SIGN, SEE SHEET C-501.
5. PROPOSED TRANSVERSE STRIPING, SEE SHEET C-501.
6. PROPOSED PAINTED 4" WIDE SOLID STRIPE - CONTRACTOR SHALL COORDINATE WITH OWNER / ARCHITECT FOR APPROVED COLORS PRIOR TO STRIPING.

BENCHMARKS
 BASE OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE, TIED BY GPS TO THE O.D.O.T. VRS. ELEVATIONS ARE NAVD 88.

BENCHMARK #1 - NORTH EAST ANCHOR BENCHMARK #3 - REMOVED
 BOLT ON SIGNAL POLE FOUNDATION
 N 663146
 E 216881
 ELEVATION= 683.63

BENCHMARK #2 - "O" IN OPEN ON
 HYDRANT BONNET
 N 662928
 E 216888
 ELEVATION= 684.39

BENCHMARK #4 - WEST BOLT ON
 HYDRANT BONNET
 N 662985
 E 216765
 ELEVATION= 682.02

AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining contractor's or proposing contractor's approval, compliance with all applicable local, state, and federal building and accessibility codes, and existing Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and construction of property used and located adjacent to the project. Submitting drawings to architect for approval is not a warranty of architectural design or construction.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. Please refer to the Architectural Specification for all details and conditions. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and the conditions and have accepted all applicable work. Additional Architectural Specifications are available upon request.

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
 CLEVELAND, OHIO 44115

ISSUANCES	
DATE	ISSUED FOR
03/01/2019	PERMITTING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	30% APPROVAL
05/20/2019	50% DESIGN DEVELOPMENT
06/20/2019	BID RELEASE 2
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/15/2020	75% TO PROGRESS
02/14/2020	100% TO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	IFC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

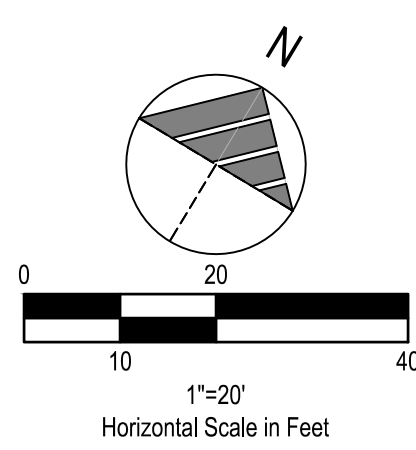
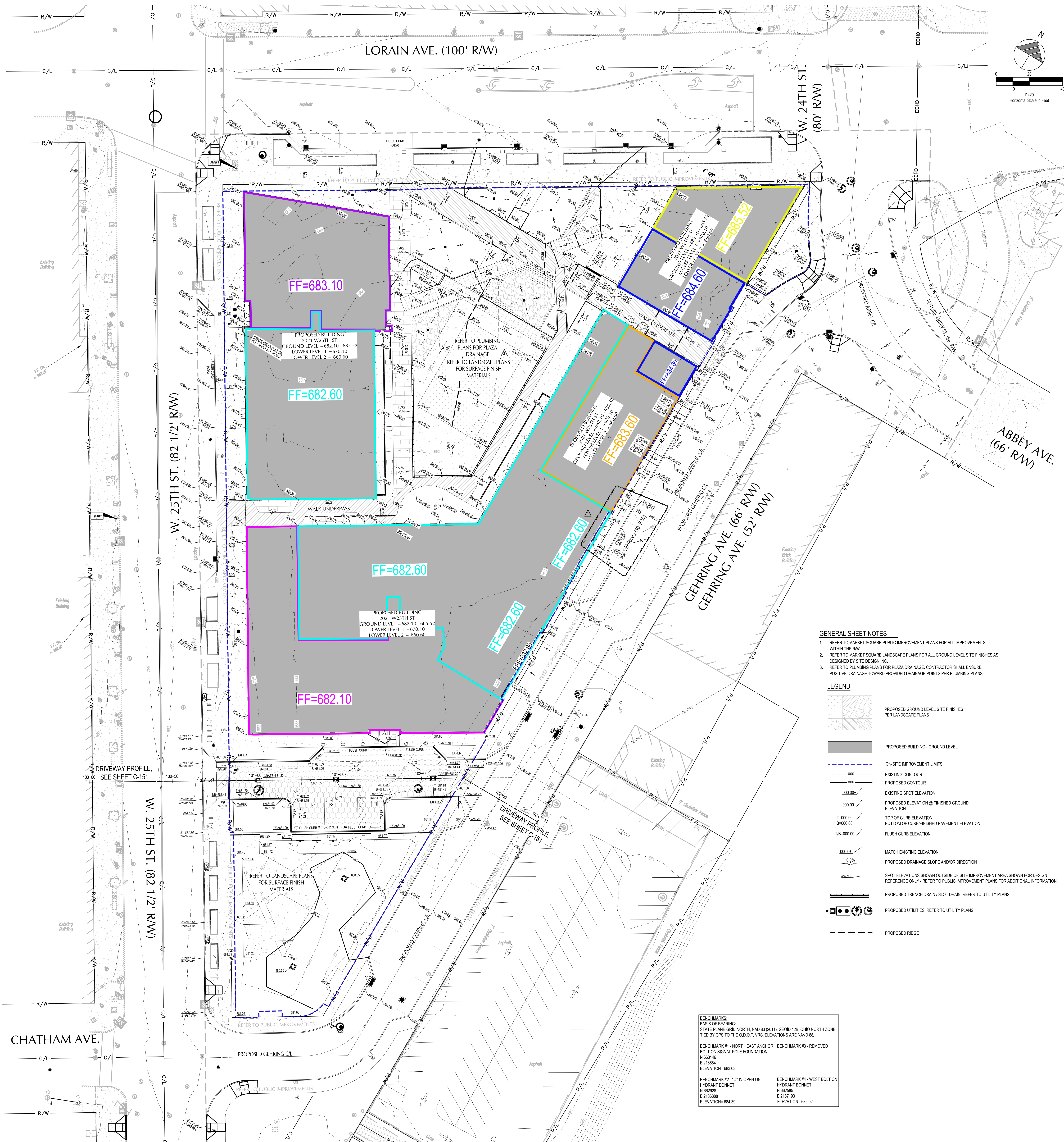
GPD PROJECT NO.
2018390.00

GPD GROUP
 GUY, PYLE, SCHWARTZ, BROWN & BERTHIAUME, INC.
 130 S.W. 22nd Street, Suite 200
 Miami, FL 33135
 Phone: 305.372.2200 Fax: 305.372.2201

PRJ.# 1818 SCALE: As indicated
 CK. BY: RP DN. BY: NS

SITE PLAN

C-111



GENERAL SHEET NOTES

1. REFER TO MARKET SQUARE PUBLIC IMPROVEMENT PLANS FOR ALL IMPROVEMENTS WITHIN THE R/W.
2. REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC.
3. REFER TO PLUMBING PLANS FOR PLAZA DRAINAGE. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARD PROVIDED DRAINAGE POINTS PER PLUMBING PLANS.

LEGEND

- PROPOSED GROUND LEVEL SITE FINISHES PER LANDSCAPE PLANS
- PROPOSED BUILDING - GROUND LEVEL
- ON-SITE IMPROVEMENT LIMITS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- TOP OF CURB ELEVATION
- BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- FLUSH CURB ELEVATION
- MATCH EXISTING ELEVATION
- PROPOSED DRAINAGE SLOPE AND/OR DIRECTION
- SPOT ELEVATIONS SHOWN OUTSIDE OF SITE IMPROVEMENT AREA SHOWN FOR DESIGN REFERENCE ONLY - REFER TO PUBLIC IMPROVEMENT PLANS FOR ADDITIONAL INFORMATION
- PROPOSED TRENCH DRAIN / SLOT DRAIN, REFER TO UTILITY PLANS
- PROPOSED UTILITIES, REFER TO UTILITY PLANS
- PROPOSED RIDGE

BENCHMARKS
 BASE OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE, TIED BY GPS TO THE O.D.O.T. VRS. ELEVATIONS ARE NAVD 88.

BENCHMARK #1 - NORTH EAST ANCHOR BENCHMARK #3 - REMOVED
 BOLT ON SIGNAL POLE FOUNDATION
 N 663146
 E 216881
 ELEVATION= 683.03

BENCHMARK #2 - "O" IN OPEN ON BENCHMARK #4 - WEST BOLT ON HYDRANT BONNET
 N 662928
 E 216688
 ELEVATION= 684.39

BENCHMARK #3 - REMOVED
 BENCHMARK #4 - WEST BOLT ON HYDRANT BONNET
 N 662585
 E 216763
 ELEVATION= 682.02

AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining construction permits for proposed work. Construction shall comply with all applicable local, state, and federal laws and regulations, and shall be subject to the Architect's immediate review and approval of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and construction of property used and located adjacent to the project. Submitting drawings to architect for approval and comments to Architect and design team.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. These documents are subject to change without notice through the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and all its conditions and have accepted all applicable work. Additional Architectural Specifications are available upon request.

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Intro Cleveland

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ISSUANCES	
DATE	ISSUED FOR
02/01/2019	PERMITTING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	3D APPROVAL
05/20/2019	BID DESIGN DEVELOPMENT
06/20/2019	BID RELEASE 2
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/16/2020	5% TO PROGRESS
02/14/2020	100% TO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	IFC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

GPD PROJECT NO.
2018390.00

GPD GROUP
 Geotechnical, Planning, Surveying, & Construction, Inc.
 130.972.2298 Fax: 216.777.1777
 130.972.2298 Fax: 216.777.1777
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PROJ. # 1818 SCALE: 1" = 20'
 CR. BY: RP DR. BY: NG

GRADING PLAN

C-121

STORM WATER POLLUTION PREVENTION NOTES

- 1. ALL WORK SPECIFIED AS AN DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE CURRENT STATE OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL... 2. IMPLEMENTATION OF SEDIMENT AND EROSION CONTROLS SHALL BE IN ACCORDANCE WITH THE OHIO EPA NPDES CONSTRUCTION GENERAL PERMIT #04000005 AND THE CITY OF CLEVELAND COOPERED ORDINANCES... 3. THESE CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST... 4. ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS... 5. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED IN THESE PLANS... 6. PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 14 DAYS OR MORE... 7. PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS... 8. SEDIMENT BARRIERS, SEDIMENT BARRIERS SHALL BE INSTALLED DOWN SLOPE OF DISTURBED AREAS AND AS SHOWN... 9. INCHES TO THE TIME THAT DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES... 10. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS, YARD DRAINS... 11. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL, STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN... 12. CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION... 13. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STANDING OF GRASS HAS BEEN OBTAINED... 14. TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND AFTER RAIN EVENTS... 15. UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED... 16. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING... 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES... 18. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION... 19. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED... 20. IN THE EVENT OF A LARGE PETROLEUM SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THE CURRENT STATES EPA... 21. CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT FACILITY SHALL BE UTILIZED... 22. IF NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES... 23. IF NECESSARY, ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED... 24. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP PEOPLE OFF SITE... 25. IF ENCOUNTERED DURING SITE REDEVELOPMENT, ANY OIL/GAS WELLS OR IRON PIPE SHAFTS MUST BE PROPERLY ABANDONED... 26. IF, FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED... 27. THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WHICH WILL BE USED ON THIS SITE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: a. SILT FENCE b. SILT BARRIERS c. CONSTRUCTION ENTRANCE d. CONCRETE WASHOUT FACILITY

ADDITIONAL CONSTRUCTION SITE POLLUTION CONTROLS

- 1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTE... 2. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS... 3. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE... 4. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS... 5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC. SHALL BE PERFORMED AWAY FROM WATERCOURSES... 6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS... 7. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ASSIGNED WITH SAND/DIRT OR KITTY LITTER AND DISPOSED OF WITH THE TRASH... 8. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTI-FREEZE, ETC. ARE SPILLED... 8.1. THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES... 8.2. PUMPING CONTAMINATED RUNOFF INTO A SANITARY SEWER... 8.3. APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR... 9. OPEN BURNING: NO OPEN BURNING... 10. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS... 11. OTHER AIR PERMITTING REQUIREMENTS: CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS... 12. PROCESS WASTE WATER/LEACHATE MANAGEMENT: EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER... 13. PLEASE REFER TO THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL... 14. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, TILES, CONCRETE, WOOD, ETC.) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONSTRUCTION SEQUENCE

- 1. INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS... 2. DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE... 3. STAKE AND/OR FLAG LIMITS OF DEMOLITION... 4. DEMOLITION, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS... 5. INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS... 6. DEMOLISH THE REMAINING SITE AS NECESSARY... 7. CONSTRUCT UNDERGROUND UTILITY WORK... 8. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE... 9. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIRBORNE POLLUTION... 10. ONCE BUILDING SUB-GRADINGS HAVE BEEN ESTABLISHED... 11. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED... 12. THE FOLLOWING ITEMS MUST BE COMPLETED IN ORDER BY THE CONTRACTOR... 13. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS... 14. SPILL REPORTING REQUIREMENTS... 15. CONTAMINATED SOILS... 16. OPEN BURNING: NO OPEN BURNING... 17. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS... 18. OTHER AIR PERMITTING REQUIREMENTS... 19. PROCESS WASTE WATER/LEACHATE MANAGEMENT... 20. PLEASE REFER TO THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL... 21. WASTES GENERATED BY CONSTRUCTION ACTIVITIES...

ONLY APPROVED SIGNED PLANS BY THE LOCAL SWCD ARE TO BE USED FOR CONSTRUCTION.

CONTRACTORS/INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.

CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION. SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.

REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.

CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE STATE EPA FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED DORMANT SITE FOR A LONG PERIOD.

ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS.

FOR BMPs THAT REQUIRE REPAIR OR MAINTENANCE, NON-POISONED POND BMPs ARE TO BE REPAIRED WITHIN 5 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR WITHIN 10 DAYS OF THE INSPECTION.

FOR BMPs THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

FOR MISSING BMPs REQUIRED, THE MISSING BMPs SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

DEWATERING

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS OR CONSTRUCTION SITES. UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES, GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE.

- 1. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS... 2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT EXCEEDING THE DESIGN O/U/FLOW FROM THE SEDIMENT CONTROL STRUCTURE... 3. USE OF A STRAW BALE(S) FENCE PIT OR TRAP... 4. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING... 5. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS WILL BE RETURNED TO ORIGINAL CONDITION.

DESIGN CRITERIA 1. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.

- 1. MEASURE SHALL CONSIST OF STRAW BALES, SILT FENCE, A STONE OUTLET CONSISTING OF A COMBINATION OF 44 INCH RIPRAP AND 1/2 TO 2 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING... 2. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE)... 3. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WER (EMERGENCY OVERFLOW), THE PUMP MUST BE SHUT OFF WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE... 4. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME... 5. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS WILL BE RETURNED TO ORIGINAL CONDITION.

- 1. THE BAG SHALL BE INSTALLED ON A VERY SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION... 2. THE NECK OF THE FILTER BAG SHALL BE TIGHTLY STRAPPED (MINIMUM TWO STRAPS) TO THE DISCHARGE HOSE... 3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG... 4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE... 5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES... 6. USE OF EXCESSIVE FLOW RATES OR OVERFLOWING THE DEWATERING DEVICE WITH SEDIMENT WILL CAUSE RUPTURES OF THE BAG OR FAILURE OF THE HOSE ATTACHMENT STRAPS... 7. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEWING AND MILCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL... 8. EACH STANDARD DEWATERING DEVICE SHALL HAVE A TELL SPURT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE... 9. THE DEWATERING DEVICE SHALL BE A NONWOVEN BAG, WHICH IS SEWN WITH A DOUBLE NEEDLE STITCHING USING A HIGH STRENGTH THREAD... 10. THE DEWATERING DEVICE SEAMS SHALL HAVE AN AVERAGE WIDE WIDTH STRENGTH PER ASTM D 4862 OF 10 LBS/IN (15 KILOMETERS)... 11. THE GEOTEXTILE FABRIC SHALL BE A NONWOVEN FABRIC WITH THE FOLLOWING PROPERTIES:

Table with 3 columns: PROPERTIES, TEST METHOD, ENGLISH, METRIC. Rows include GRAIN TENSILE, PUNCTURE, FLOW RATE, PERMEABILITY, MULLEN BURST, UV RESISTANT, ADS % RETAINED.

MAINTENANCE THE FILTERING DEVICES MUST BE INSPECTED FREQUENTLY DURING PUMPING OPERATIONS AND REPAIRED OR REPLACED ONCE THE SEDIMENT BUILD-UP PREVENTS THE STRUCTURE FROM FUNCTIONING AS DESIGNED.

THE ACCUMULATED SEDIMENT THAT IS REMOVED FROM A DEWATERING DEVICE MUST BE SPREAD ON-SITE AND STABILIZED OR DISPOSED OF AT AN APPROVED DISPOSAL SITE AS PER APPROVED PLAN.

STORM WATER POLLUTION PREVENTION PLAN NARRATIVE

PROJECT DESCRIPTION THE EXISTING IMPROVEMENT AREA IS APPROXIMATELY 4.12 ACRES. THE IMPROVEMENT AREA IS SPLIT INTO TWO MAIN AREAS, THE RIGHT-OF-WAY IMPROVEMENT AREA AND THE SITE IMPROVEMENT AREA.

PROPOSED SITE IMPROVEMENTS WILL CONSIST OF ONE NEW MIXED USE BUILDINGS (COMMERCIAL AND APARTMENTS) WITH TWO BELOW GRADE PARKING DECKS, SMALL PARKING LOT AND DRIVEWAYS, CONCRETE WALK, NEW UTILITY CONNECTIONS, COURTYARD PLAZA ABOVE THE PARKING DECKS AND OTHER ASSOCIATED SITE AMENITIES.

PROJECT COMPLETION STATISTICS

Table with 2 columns: SITE AREA, RW AREA, TOTAL DISTURBED AREA. Rows include PRE-CONSTRUCTION IMPERVIOUS AREA, PRE-CONSTRUCTION CURVE NUMBER, POST-CONSTRUCTION IMPERVIOUS AREA, POST-CONSTRUCTION CURVE NUMBER.

PROJECT LOCATION:

Table with 2 columns: LATITUDE, LONGITUDE. Values: 41.48367, -81.702521.

EXISTING SITE SOIL TYPES:

USDA URBAN LAND-CLANDRA COMPLEX. REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

WETLAND INFORMATION:

THERE ARE NO WETLANDS ON THIS SITE. FIRST AND SUBSEQUENT RECEIVING STREAM: INITIAL RECEIVING WATER IS THE CUYAHOGA RIVER AND THE SUBSEQUENT RECEIVING WATER IS PINE CREEK.

OWNER CONTACT:

OHIO CITY, LLC JAMES LITVIN VICE PRESIDENT OF CONSTRUCTION, HARBOR BAY REAL ESTATE ADVISORS 3412 COMMERCIAL AVE NORTHBROOK, IL 60062 781.201.8758 JAMES@HARBOR.BAY.COM

ANTICIPATED TIMING:

CONSTRUCTION BEGINS: SUMMER 2020 CONSTRUCTION COMPLETE: SPRING 2022

CONTRACTOR: PANZIKA CONSTRUCTION COMPANY CONTACT: BILL DAVIS 944-441-4300 PHONE NUMBER:

EPA NOI APPROVAL:

OHIO EPA FACILITY PERMIT NUMBER: 30C10996/4G

AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining construction or engineering approval, complying with all applicable local, state, and federal building codes, ordinances, rules, and regulations, and notifying Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and installation of property used and located adjacent to the project. Submitting drawings to architect for approval and comments to Architectural design intent.

A written Architectural Specification was issued for the project and along with those printed documents constitutes the Contract Documents for this project. These documents are the basis for all decisions made through the Contract Documents.

By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire contract documents and the conditions and have accepted all applicable work. Address Architectural Specification errors at available anytime upon request.

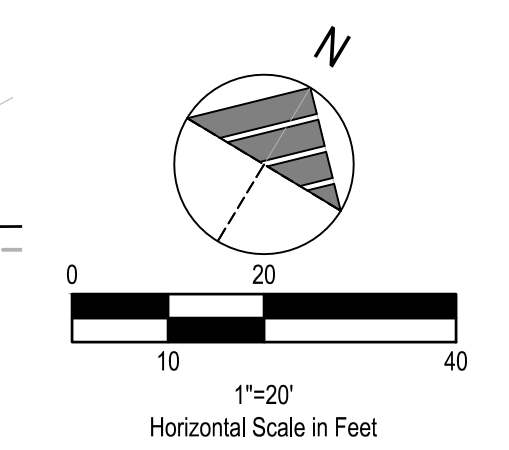
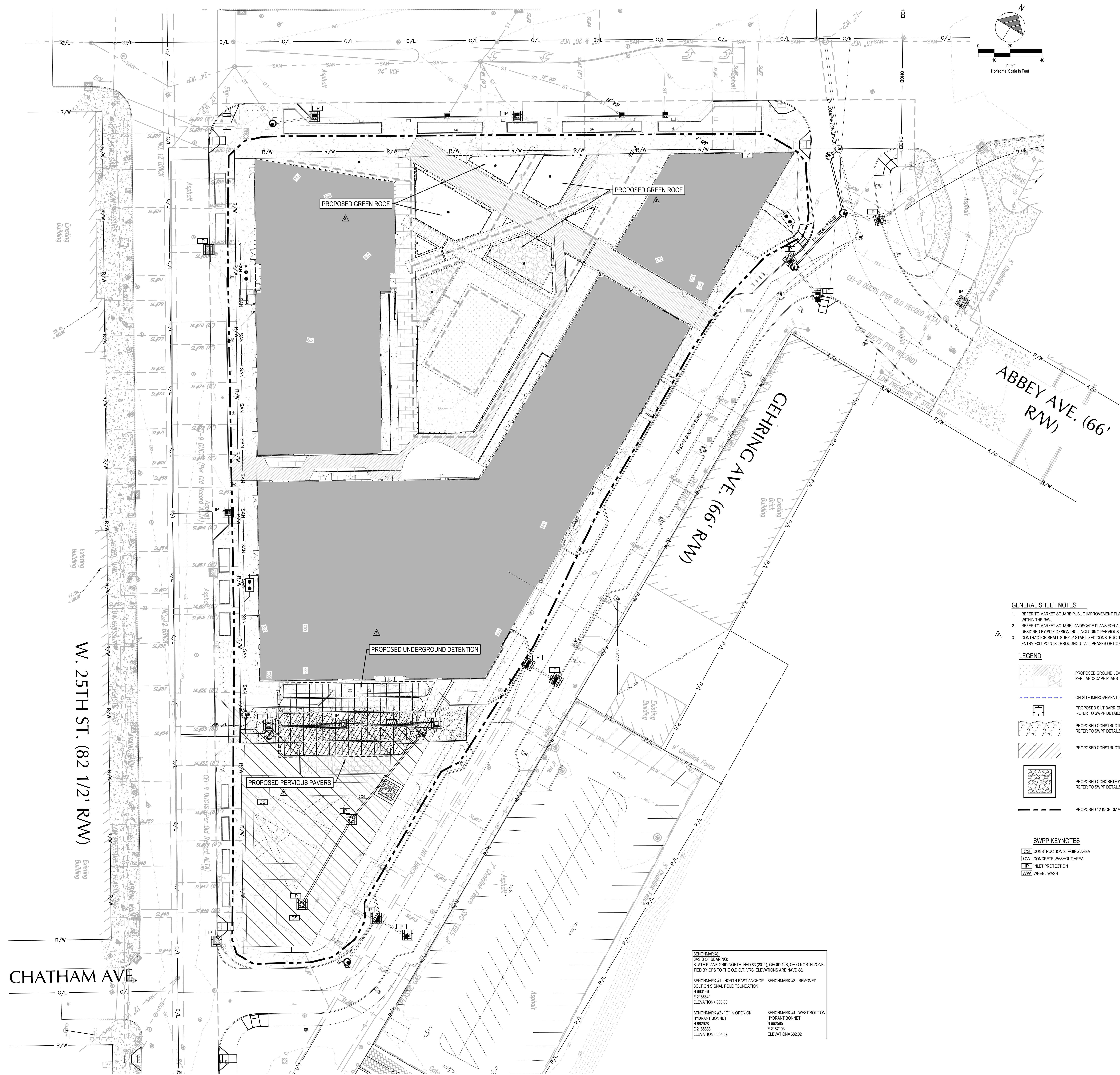
Hardware Platform, L10, shall retain all copyrights, ownership and control over all rights and title to the plans and building design. Reproduction, changes or employment by any third party shall be cause without obtaining approval written permission and consent of Hardware Platform, L10.

Intro Cleveland logo and address: WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113. Includes ISSUANCES table with columns for DATE and ISSUED FOR, and GPD PROJECT NO. 201859000. GPD GROUP logo and contact information for Ohio, PA, VA, NC, SC, TN, KY, WV, MD, DE, DC, VA, WV, KY, TN, NC, SC, GA, MS, AL, LA, TX, OK, MO, IL, IN, OH, PA, NY, NJ, CT, RI, MA, VT, NH, ME, HI, AK, HI, AK.

PRJ.# 1818 SCALE: As indicated CN: BY: NQ

SWPP PLAN NOTES

C-131



AREA FOR CITY APPROVAL STAMP

W. 25TH ST. (82 1/2' RW)

CHATHAM AVE.

GEHRING AVE. (66' RW)

ABBEY AVE. (66' RW)

GENERAL SHEET NOTES

- REFER TO MARKET SQUARE PUBLIC IMPROVEMENT PLANS FOR ALL IMPROVEMENTS WITHIN THE R/W.
- REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC.
- CONTRACTOR SHALL SUPPLY STABILIZED CONSTRUCTION ENTRANCE TO ALL SITE ENTRY POINTS THROUGHOUT ALL PHASES OF CONSTRUCTION.

LEGEND

- PROPOSED GROUND LEVEL SITE FINISHES PER LANDSCAPE PLANS
- ON-SITE IMPROVEMENT LIMITS
- PROPOSED SILT BARRIER REFER TO SWPP DETAILS
- PROPOSED CONSTRUCTION ENTRANCE / WHEEL WASH REFER TO SWPP DETAILS
- PROPOSED CONSTRUCTION STAGING
- PROPOSED CONCRETE WASHOUT FACILITY REFER TO SWPP DETAILS
- PROPOSED 12 INCH DIAMETER FILTER SOCK

SWPP KEYNOTES

- CONSTRUCTION STAGING AREA
- CONCRETE WASHOUT AREA
- INLET PROTECTION
- WHEEL WASH

BENCHMARKS
 BASE OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE, TIED BY GPS TO THE O.D.O.T. VRS. ELEVATIONS ARE NAVD 88.

BENCHMARK #1 - NORTH EAST ANCHOR BENCHMARK #3 - REMOVED
 BOLT ON SIGNAL POLE FOUNDATION
 N 663146
 E 216881
 ELEVATION= 683.63

BENCHMARK #2 - "O" IN OPEN ON HYDRANT BONNET
 N 662928
 E 216888
 ELEVATION= 684.39

BENCHMARK #4 - WEST BOLT ON HYDRANT BONNET
 N 662585
 E 2167163
 ELEVATION= 682.02

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, writing all working conditions and preparing all Construction, complying with all applicable local, state, and federal building and accessibility codes, and notifying Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and installation of property lines and needed easements. Submitting drawings to architect for approval and comments to Architectural design intent.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. These documents are to be read in conjunction with the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and the conditions and have accepted all applicable work. Additional Architectural Specifications are available upon request.

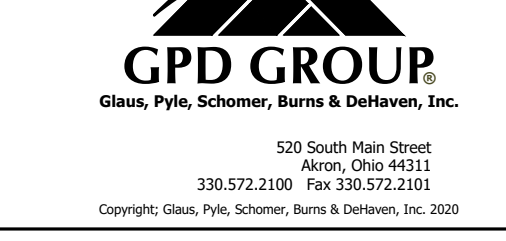
Hardstone Plunkett, LTD, shall retain all copyrights, proprietary and common law right with respect to these plans and building design. Reproduction, changes or expansion to any third party shall be done without obtaining approved written permission and consent of Hardstone Plunkett, LTD.

Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
 CLEVELAND, OHIO 44115

ISSUANCES	
DATE	ISSUED FOR
02/01/2019	PERMITTING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	30% APPROVAL
05/20/2019	50% DESIGN DEVELOPMENT
06/20/2019	BID RELEASE 2
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/16/2020	75% DO PROGRESS
02/14/2020	100% DO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	IFPC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

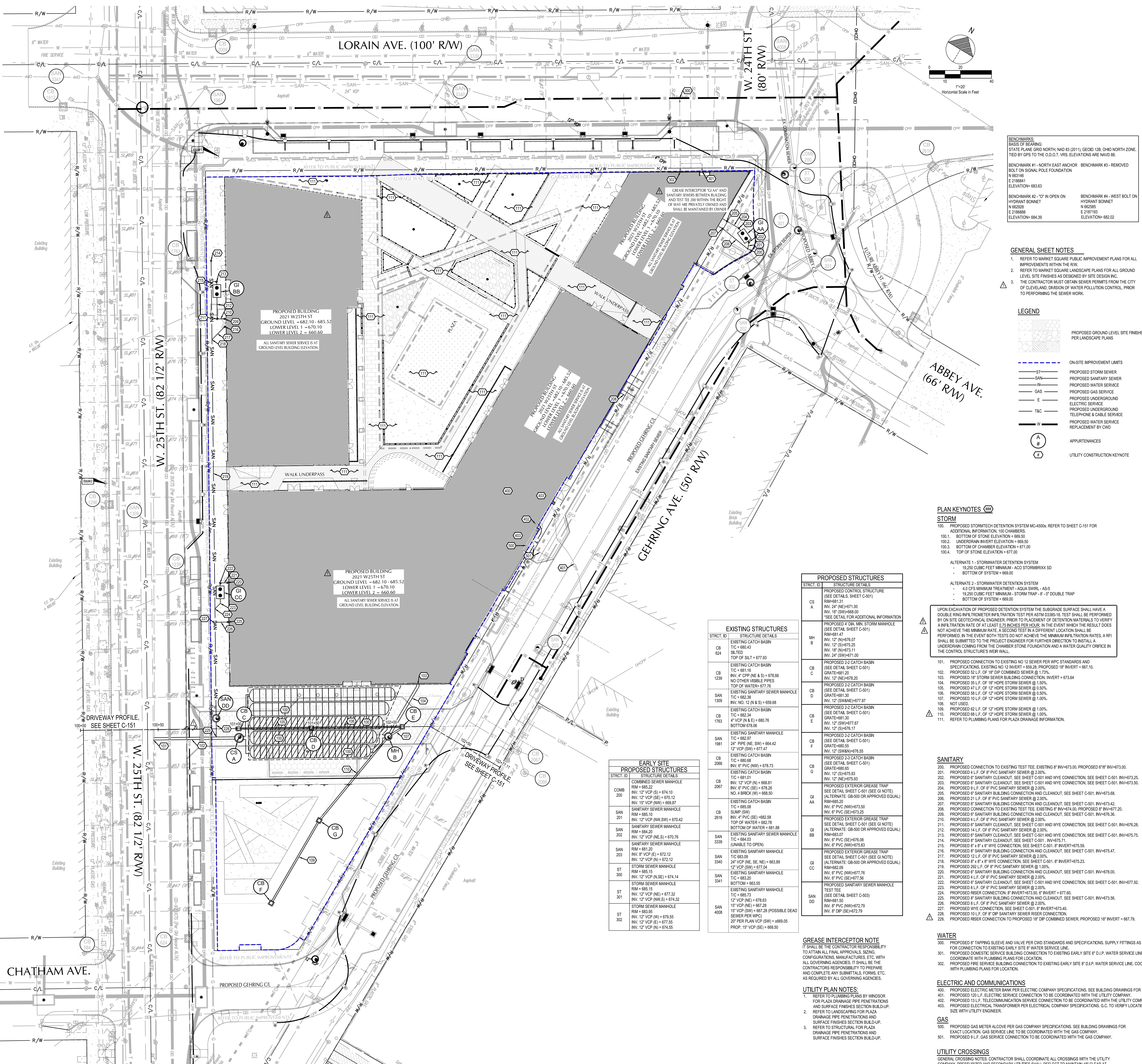
GPD PROJECT NO.
 2018350.00



PRJ. # 1818 SCALE: 1" = 20'
 CK. BY: RP DN. BY: NB

SWPP PLAN

C-132



AREA FOR CITY APPROVAL STAMP

BENCHMARKS
 BASS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, CHD NORTH ZONE,
 TIED BY GPS TO THE D.O.D.T. VRS. ELEVATIONS ARE NAVD 83.

BENCHMARK #1 - NORTH EAST ANCHOR BOLT ON SIGNAL POLE FOUNDATION
 N 69346
 E 219841
 ELEVATION: 683.63

BENCHMARK #2 - "O" IN OPEN ON HYDRANT BONNET
 N 69358
 E 219888
 ELEVATION: 684.39

BENCHMARK #3 - REMOVED BOLT ON SIGNAL POLE FOUNDATION
 N 69346
 E 219841
 ELEVATION: 683.63

BENCHMARK #4 - WEST BOLT ON HYDRANT BONNET
 N 69358
 E 219888
 ELEVATION: 684.39

GENERAL SHEET NOTES

- REFER TO MARKET SQUARE PUBLIC IMPROVEMENT PLANS FOR ALL IMPROVEMENTS WITHIN THE R/W.
- REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC.
- THE CONTRACTOR MUST OBTAIN SEWER PERMITS FROM THE CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL, PRIOR TO PERFORMING THE SEWER WORK.

LEGEND

- PROPOSED GROUND LEVEL SITE FINISHES PER LANDSCAPE PLANS
- ON-SITE IMPROVEMENT LIMITS
- ST - PROPOSED STORM SEWER
- SAN - PROPOSED SANITARY SEWER
- W - PROPOSED WATER SERVICE
- GAS - PROPOSED GAS SERVICE
- E - PROPOSED UNDERGROUND ELECTRIC SERVICE
- TAC - PROPOSED UNDERGROUND TELEPHONE & CABLE SERVICE
- W - PROPOSED WATER SERVICE REPLACEMENT BY CWD
- APERTURES
- UTILITY CONSTRUCTION KEYNOTE

PLAN KEYNOTES

STORM

- PROPOSED STORMTECH DETENTION SYSTEM MC4000. REFER TO SHEET C-151 FOR ADDITIONAL INFORMATION. 120 CHAMBERS.
- 100.1. BOTTOM OF STONE ELEVATION = 669.50
- 100.2. UNDERDRUM INVERT ELEVATION = 669.50
- 100.3. BOTTOM OF CHAMBER ELEVATION = 677.00
- 100.4. TOP OF STONE ELEVATION = 677.00

ALTERNATE 1 - STORMWATER DETENTION SYSTEM
 - 19.250 CUBIC FEET MINIMUM - ACC STORMBARRIX SD
 - BOTTOM OF SYSTEM = 669.50

ALTERNATE 2 - STORMWATER DETENTION SYSTEM
 - 4.0 CFS MINIMUM TREATMENT - AQUA SWIRL - AS-5
 - 19.250 CUBIC FEET MINIMUM - STORM TRAP - 8" - 0" DOUBLE TRAP
 - BOTTOM OF SYSTEM = 669.50

UPON EXCAVATION OF PROPOSED DETENTION SYSTEM THE SUBGRADE SURFACE SHALL HAVE A DOUBLE ENGINEERED TRENCHER INFILTRATION TEST PER ASTM D3085-16. TEST SHALL BE PERFORMED BY ON-SITE GEOTECHNICAL ENGINEER, PRIOR TO PLACEMENT OF DETENTION MATERIALS TO VERIFY INFILTRATION RATE OF AT LEAST 0.5 INCHES PER HOUR. IN THE EVENT WHICH THE RESULT DOES NOT ACHIEVE THE MINIMUM RATE, A SECOND TEST IN A DIFFERENT LOCATION SHALL BE PERFORMED. IN THE EVENT BOTH TESTS DO NOT ACHIEVE THE MINIMUM INFILTRATION RATES, A RFI SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR FURTHER DIRECTION TO INSTALL A UNDERDRUM COMING FROM THE CHAMBER STONE FOUNDATION AND A WATER QUALITY CRIB IN THE CONTROL STRUCTURE'S WER WALL.

- PROPOSED CONNECTION TO EXISTING NO 12 SEWER PER WPC STANDARDS AND SPECIFICATIONS. EXISTING NO 12 INVERT = 669.28. PROPOSED 18" INVERT = 667.10.
- PROPOSED 52" L.F. OF 18" DIP COMBINED SEWER @ 1.75%.
- PROPOSED 18" STORM SEWER BUILDING CONNECTION. INVERT = 673.84
- PROPOSED 56" L.F. OF 12" HOPE STORM SEWER @ 1.50%.
- PROPOSED 47" L.F. OF 12" HOPE STORM SEWER @ 0.50%.
- PROPOSED 58" L.F. OF 12" HOPE STORM SEWER @ 0.50%.
- PROPOSED 10" L.F. OF 12" HOPE STORM SEWER @ 1.00%.
- NOT USED.
- PROPOSED 62" L.F. OF 12" HOPE STORM SEWER @ 1.00%.
- PROPOSED 68" L.F. OF 12" HOPE STORM SEWER @ 1.00%.
- REFER TO PLUMBING PLANS FOR PLAZA DRAINAGE INFORMATION.

SANITARY

- PROPOSED CONNECTION TO EXISTING TEST TEE. EXISTING 8" INV=673.00. PROPOSED 8" INV=673.00.
- PROPOSED 4" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" SANITARY CLEANOUT. SEE SHEET C-011 AND WYE CONNECTION. SEE SHEET C-011. INV=673.25.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%. SEE SHEET C-011. INV=673.30.
- PROPOSED 9" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" SANITARY BUILDING CONNECTION AND CLEANOUT. SEE SHEET C-011. INV=673.68.
- PROPOSED 8" SANITARY BUILDING CONNECTION AND CLEANOUT. SEE SHEET C-011. INV=673.42.
- PROPOSED CONNECTION TO EXISTING TEST TEE. EXISTING 8" INV=673.00. PROPOSED 8" INV=673.20.
- PROPOSED 8" SANITARY BUILDING CONNECTION AND CLEANOUT. SEE SHEET C-011. INV=673.36.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 4" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" SANITARY CLEANOUT. SEE SHEET C-011 AND WYE CONNECTION. SEE SHEET C-011. INV=673.28.
- PROPOSED 14" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" SANITARY CLEANOUT. SEE SHEET C-011 AND WYE CONNECTION. SEE SHEET C-011. INV=673.75.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%. SEE SHEET C-011. INV=673.47.
- PROPOSED 12" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%. SEE SHEET C-011. INV=673.23.
- PROPOSED 20" L.F. OF 8" PVC SANITARY SEWER @ 1.00%.
- PROPOSED 8" SANITARY BUILDING CONNECTION AND CLEANOUT. SEE SHEET C-011. INV=673.00.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00% AND WYE CONNECTION. SEE SHEET C-011. INV=673.92.
- PROPOSED 8" L.F. OF 8" PVC SANITARY SEWER @ 2.00%.
- PROPOSED RISER CONNECTION. 8" INVERT=673.50. 8" INVERT = 677.40.
- PROPOSED 8" L.F. OF 8" PVC SANITARY BUILDING CONNECTION AND CLEANOUT. SEE SHEET C-011. INV=673.56.
- PROPOSED WYE CONNECTION. SEE SHEET C-011. INV=673.74.
- PROPOSED 10" L.F. OF 8" DIP SANITARY SEWER CONNECTION.
- PROPOSED RISER CONNECTION TO PROPOSED 18" DIP COMBINED SEWER. PROPOSED 18" INVERT = 667.79.

WATER

- PROPOSED 8" TAPPING SLEEVE AND VALVE PER CWD STANDARDS AND SPECIFICATIONS. SUPPLY FITTINGS AS REQUIRED FOR CONNECTION TO EXISTING EARLY SITE 8" WATER SERVICE LINE.
- PROPOSED DOMESTIC SERVICE BUILDING CONNECTION TO EXISTING EARLY SITE 8" D.I.P. WATER SERVICE LINE.
- PROPOSED FIRE SERVICE BUILDING CONNECTION TO EXISTING EARLY SITE 8" D.I.P. WATER SERVICE LINE. COORDINATE WITH PLUMBING PLANS FOR LOCATION.

ELECTRIC AND COMMUNICATIONS

- PROPOSED ELECTRIC METER BANK PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR LOCATION.
- PROPOSED 120 V.L. ELECTRIC SERVICE CONNECTION TO BE COORDINATED WITH THE UTILITY COMPANY.
- PROPOSED 15" L.F. TELECOMMUNICATION SERVICE CONNECTION TO BE COORDINATED WITH THE UTILITY COMPANY.
- PROPOSED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY SPECIFICATIONS. G.C. TO VERIFY LOCATION AND SIZE WITH UTILITY ENGINEER.

GAS

- PROPOSED GAS METER ABOVE PER GAS COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. GAS SERVICE LINE TO BE COORDINATED WITH THE GAS COMPANY.
- PROPOSED 8" L.F. GAS SERVICE CONNECTION TO BE COORDINATED WITH THE GAS COMPANY.

UTILITY CROSSINGS

GENERAL CROSSING NOTES: CONTRACTOR SHALL COORDINATE ALL CROSSINGS WITH THE UTILITY COMPANY. PRESSURIZED AND SECONDARY UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS.

PROPOSED STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
CS A	PROPOSED CONTROL STRUCTURE (SEE DETAILS, SHEET C-011) RM=681.31 INV. 24" (NE)=671.00 INV. 18" (SW)=669.00 SEE DETAIL FOR ADDITIONAL INFORMATION SEE DETAIL FOR SANITARY MANHOLE (SEE DETAIL SHEET C-011)
MH B	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.47 INV. 12" (N)=676.07 INV. 18" (S)=675.25 INV. 18" (N)=673.11 INV. 24" (SW)=671.00
CB C	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.20 INV. 12" (NE)=676.07 INV. 12" (NE)=678.20
CB D	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.30 INVERT=681.30 TOP OF WATER=677.76
CB E	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.34 INVERT=681.34 TOP OF WATER=677.76
CB F	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.55 INVERT=681.55 TOP OF WATER=677.76
CB G	PROPOSED 24" CATCH BASIN (SEE DETAIL SHEET C-011) RM=681.65 INVERT=681.65 TOP OF WATER=677.76
GI AA	PROPOSED EXTERIOR GREASE TRAP (SEE DETAIL SHEET C-011 (SEE G NOTE)) (ALTERNATE: GB-500 OR APPROVED EQUAL) RM=685.20 INV. 8" PVC (SE)=678.25 INV. 8" PVC (SE)=673.25
GI BB	PROPOSED EXTERIOR GREASE TRAP (SEE DETAIL SHEET C-011 (SEE G NOTE)) (ALTERNATE: GB-500 OR APPROVED EQUAL) RM=685.37 INV. 8" PVC (SE)=676.08 INV. 8" PVC (NW)=675.83
GI CC	PROPOSED EXTERIOR GREASE TRAP (SEE DETAIL SHEET C-011 (SEE G NOTE)) (ALTERNATE: GB-500 OR APPROVED EQUAL) RM=685.39 INV. 8" PVC (NW)=677.76 INV. 8" PVC (SE)=677.56
SAN DD	PROPOSED SANITARY SEWER MANHOLE TEST TEE (SEE DETAIL SHEET C-011) RM=685.33 INV. 12" VCP (NE)=677.52 INV. 12" VCP (NE)=678.43 INV. 12" VCP (NE)=678.29 INV. 12" VCP (NE)=678.29 PROP. 15" VCP (SE)=669.50

EXISTING STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
CB 624	EXISTING CATCH BASIN TIC = 690.43 SILTED TOP OF SILET = 677.93
CB 1239	EXISTING CATCH BASIN TIC = 681.16 INV. 4" CPP (NE & S) = 678.66 NO OTHER VISIBLE PIPES TOP OF WATER=677.76
SAN 1359	EXISTING SANITARY SEWER MANHOLE TIC = 692.38 INV. NO. 12 (N & S) = 659.68
CB 1763	EXISTING CATCH BASIN TIC = 692.34 4" VCP (N & E) = 690.78 BOTTOM 676.86
SAN 1981	EXISTING SANITARY MANHOLE TIC = 682.97 24" PIPE (NE, SW) = 684.42 12" VCP (SW) = 677.47
CB 2066	EXISTING CATCH BASIN TIC = 690.68 INV. 8" PVC (NW) = 678.73 INV. 12" (SW)=678.93
CB 2067	EXISTING CATCH BASIN TIC = 681.01 INV. 12" VCP (SE) = 668.81 INV. 8" PVC (SE) = 678.28 NO. 8 BRICK (N) = 668.50
CB 2616	EXISTING CATCH BASIN TIC = 686.68 NO. 8 BRICK (N) = 668.50
SAN 3339	EXISTING SANITARY MANHOLE TIC = 684.03 (UNABLE TO OPEN)
SAN 3340	EXISTING SANITARY MANHOLE TIC = 683.09 24" VCP (NE, SE, NE) = 683.89 12" VCP (SW) = 677.04
ST 300	EXISTING SANITARY MANHOLE TIC = 685.15 INV. 12" VCP (N,SE) = 674.14 BOTTOM = 683.55
ST 301	EXISTING SANITARY MANHOLE TIC = 685.15 INV. 12" VCP (NE) = 677.32 INV. 12" VCP (NW) = 681.52 INV. 12" VCP (NE) = 667.29
ST 302	EXISTING SANITARY MANHOLE TIC = 683.95 INV. 12" VCP (NW) = 679.55 INV. 12" VCP (N) = 677.55 INV. 12" VCP (N) = 674.55

EARLY SITE PROPOSED STRUCTURES

STRUCT. ID	STRUCTURE DETAILS
COOMB 200	COMBING SEWER MANHOLE RM = 685.22 INV. 12" VCP (S) = 674.10 INV. 12" VCP (SE) = 670.12 INV. 15" VCP (NW) = 669.87
SAN 201	SANITARY SEWER MANHOLE RM = 685.10 INV. 12" VCP (NW SW) = 670.42
SAN 202	SANITARY SEWER MANHOLE RM = 684.20 INV. 12" VCP (NE, S) = 670.76
SAN 203	SANITARY SEWER MANHOLE RM = 681.20 INV. 8" VCP (SE) = 672.12 INV. 12" VCP (N) = 672.12
ST 300	STORM SEWER MANHOLE RM = 685.15 INV. 12" VCP (N,SE) = 674.14 BOTTOM = 683.55
ST 301	STORM SEWER MANHOLE RM = 683.95 INV. 12" VCP (NW) = 679.55 INV. 12" VCP (N) = 677.55 INV. 12" VCP (N) = 674.55

GREASE INTERCEPTOR NOTE

IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO OBTAIN ALL FINAL APPROVALS, SIZING, CONFIGURATIONS, MANUFACTURERS, ETC. WITH ALL GOVERNING AGENCIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE AND COMPLETE ANY SUBMITTALS, FORMS, ETC. AS REQUIRED BY ALL GOVERNING AGENCIES.

UTILITY PLAN NOTES:

- REFER TO PLUMBING PLANS BY WINDSOR FOR PLAZA DRAINAGE PIPE PENETRATIONS AND SURFACE FINISHES SECTION BUILD-UP.
- REFER TO LANDSCAPING FOR PLAZA DRAINAGE PIPE PENETRATIONS AND SURFACE FINISHES SECTION BUILD-UP.
- REFER TO STRUCTURAL FOR PLAZA DRAINAGE PIPE PENETRATIONS AND SURFACE FINISHES SECTION BUILD-UP.

ARCH. EL. 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies.

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies. The Contractor shall be responsible for obtaining all necessary permits and approvals from all applicable agencies.

Intro Cleveland

DATE	ISSUANCE
03/01/2019	INITIALLY SUBMITTED
03/04/2019	PROGRESS, NOT FOR CONSTRUCTION
03/12/2019	RD APPROVAL
09/20/2019	BID RELEASE DEVELOPMENT
09/20/2019	BID RELEASE 1
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/16/2020	75% TO PROGRESS
02/14/2020	100% TO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	WPC COMMENTS
04/28/2020	CITY COMMENTS
06/01/2020	FOUNDATION IFC PROGRESS SET
09/15/2020	FOUNDATION IFC

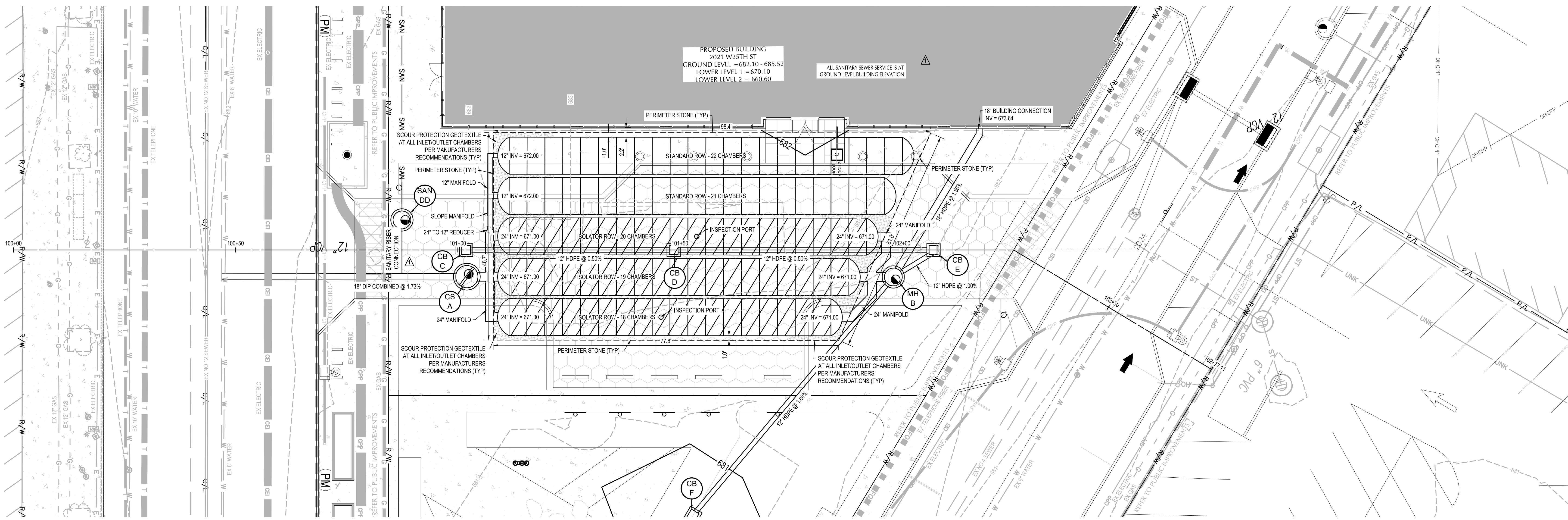
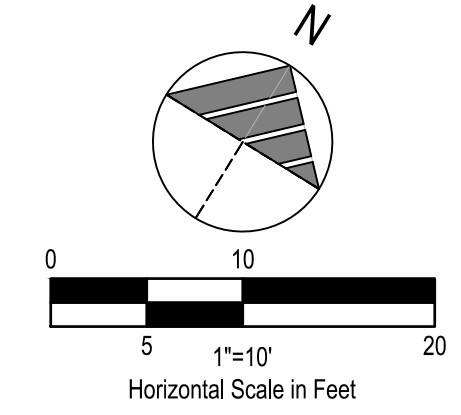
GPD PROJECT NO.
2018590.00

GPD GROUP
 Urban, Public, Science, Energy & Enterprise, Inc.
 13917.2300, Suite 200
 Cleveland, Ohio 44115

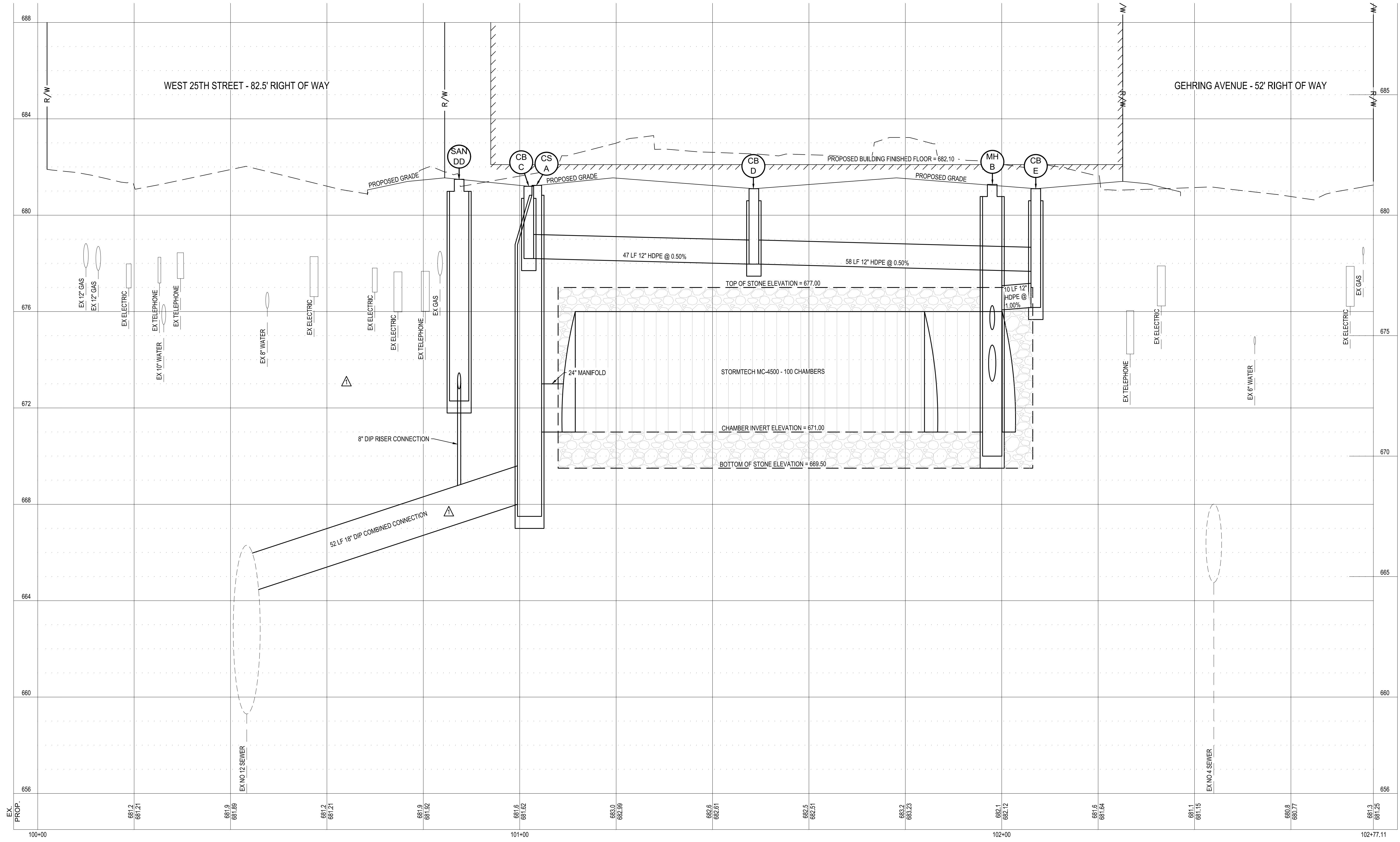
CRJ. # 1816 SCALE: 1" = 20'
 DN. BY: NFB

UTILITY PLAN

C-141



C1 PLAN VIEW
1" = 10'



A1 PROFILE VIEW
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

PROPOSED STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS
CS A	PROPOSED CONTROL STRUCTURE (SEE DETAIL SHEET C-501) RIM=681.31 INV. 24" (N/E)=671.00 INV. 18" (S/W)=668.00 *SEE DETAIL FOR ADDITIONAL INFORMATION
MH B	PROPOSED 4" DIA. MIN. STORM MANHOLE (SEE DETAIL SHEET C-501) RIM=681.47 INV. 12" (N)=676.07 INV. 12" (S)=675.25 INV. 18" (N)=673.11 INV. 24" (S/W)=671.00
CB C	PROPOSED 3'2" CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.20 INV. 12" (N/E)=678.20
CB D	PROPOSED 2'2" CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.30 INV. 12" (S/W)=677.07
CB E	PROPOSED 2'2" CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.30 INV. 12" (S/W)=677.07 INV. 12" (N/E)=678.17
CB F	PROPOSED 2'2" CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.55 INV. 12" (S/W)=676.55
CB G	PROPOSED 2'2" CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.65 INV. 12" (S/W)=676.65 INV. 12" (N/E)=678.55

BENCHMARKS
 BASE OF BEARING: STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 13B, OND NORTH ZONE, TIED BY GPS TO THE O.D.O.T.'S. ELEVATIONS ARE NAVD83.
 BENCHMARK #1 - NORTH EAST ANCHOR BENCHMARK #3 - REMOVED BOLT ON SIGNAL POLE FOUNDATION E 218844 ELEVATION= 683.63
 BENCHMARK #2 - "O" IN OPEN ON HYDRANT BONNET N 682508 E 218688 ELEVATION= 684.38
 BENCHMARK #4 - WEST BOLT ON HYDRANT BONNET N 682508 E 2187193 ELEVATION= 682.02

- GENERAL SHEET NOTES**
- REFER TO MARKET SQUARE PUBLIC IMPROVEMENT PLANS FOR ALL IMPROVEMENTS WITHIN THE R/W.
 - REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC.
 - THE CONTRACTOR MUST OBTAIN SEWER PERMITS FROM THE CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL, PRIOR TO PERFORMING THE SEWER WORK.



AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining all necessary permits and approvals from the City of Cleveland, Ohio, and for obtaining all necessary permits and approvals from the City of Cleveland, Ohio, and for obtaining all necessary permits and approvals from the City of Cleveland, Ohio.

Contractor shall construct the work in conformance with all applicable building codes. Contractor is responsible for design and construction of property used and located adjacent to the project. All utility lines shown on this plan are for informational purposes only. A written Architectural Specification was issued for this project and shall be read in conjunction with the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and all conditions and have accepted all conditions of work. Additional Architectural Specifications are available upon request.

Horizontal Datum: NAD 83. All elevations are in feet above mean sea level. All elevations are in feet above mean sea level. All elevations are in feet above mean sea level.

Intro Cleveland
 WEST 25TH STREET & LORAIN AVENUE
 CLEVELAND, OHIO 44113

ISSUANCES	
DATE	DESCRIPTION
03/01/2019	PERMITTING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	2D APPROVAL
05/20/2019	3D DESIGN DEVELOPMENT
06/20/2019	BID RELEASE 3
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/15/2020	50% PROGRESS
02/14/2020	100% DD PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	IFC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

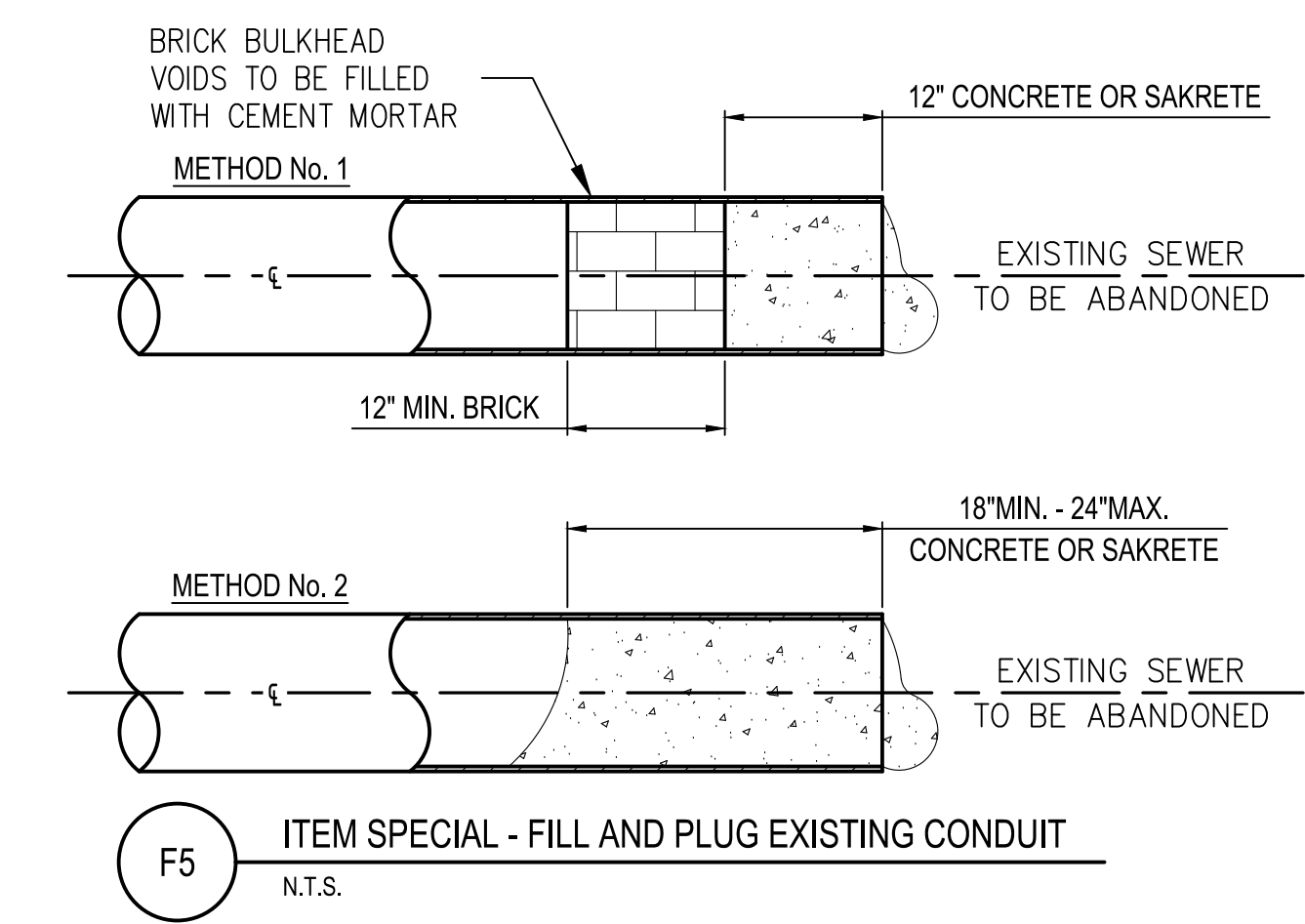
GPD PROJECT NO. 2018390.00

GPD GROUP
 GUY, PYLE, SCHWARTZ, BURKE & DODD, INC.
 330 S.W. 22ND AVENUE
 SUITE 2000
 MIAMI, FL 33135
 (305) 441-1111

PROJ. # 1818 SCALE: As indicated
 DR. BY: NS

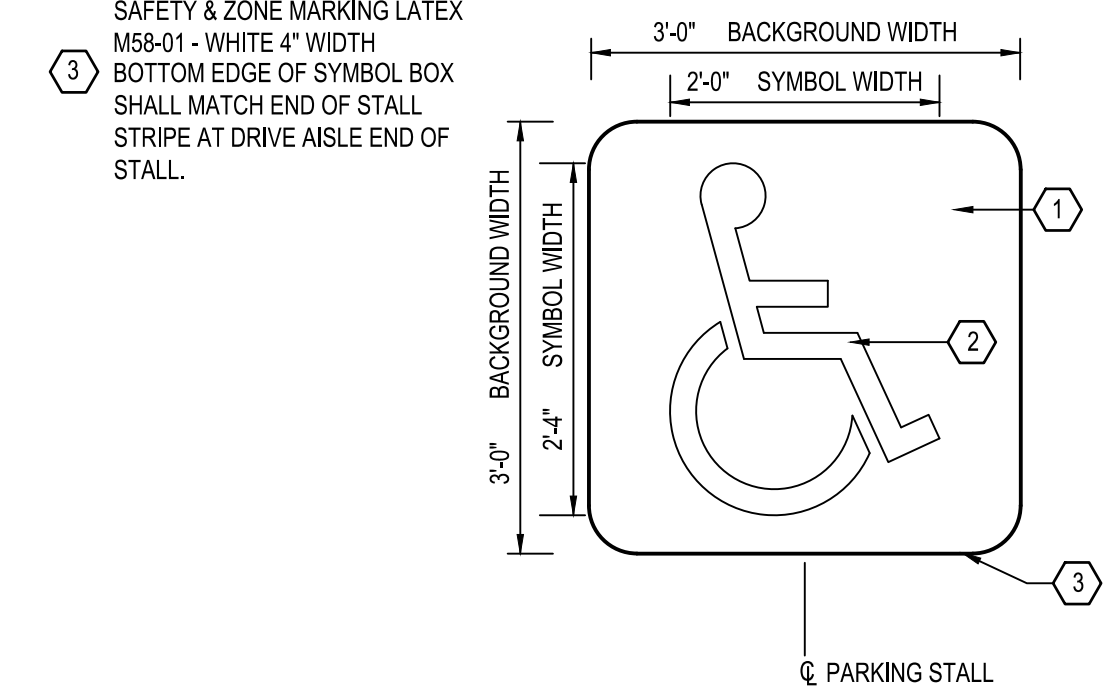
PLAN AND PROFILE

C-151

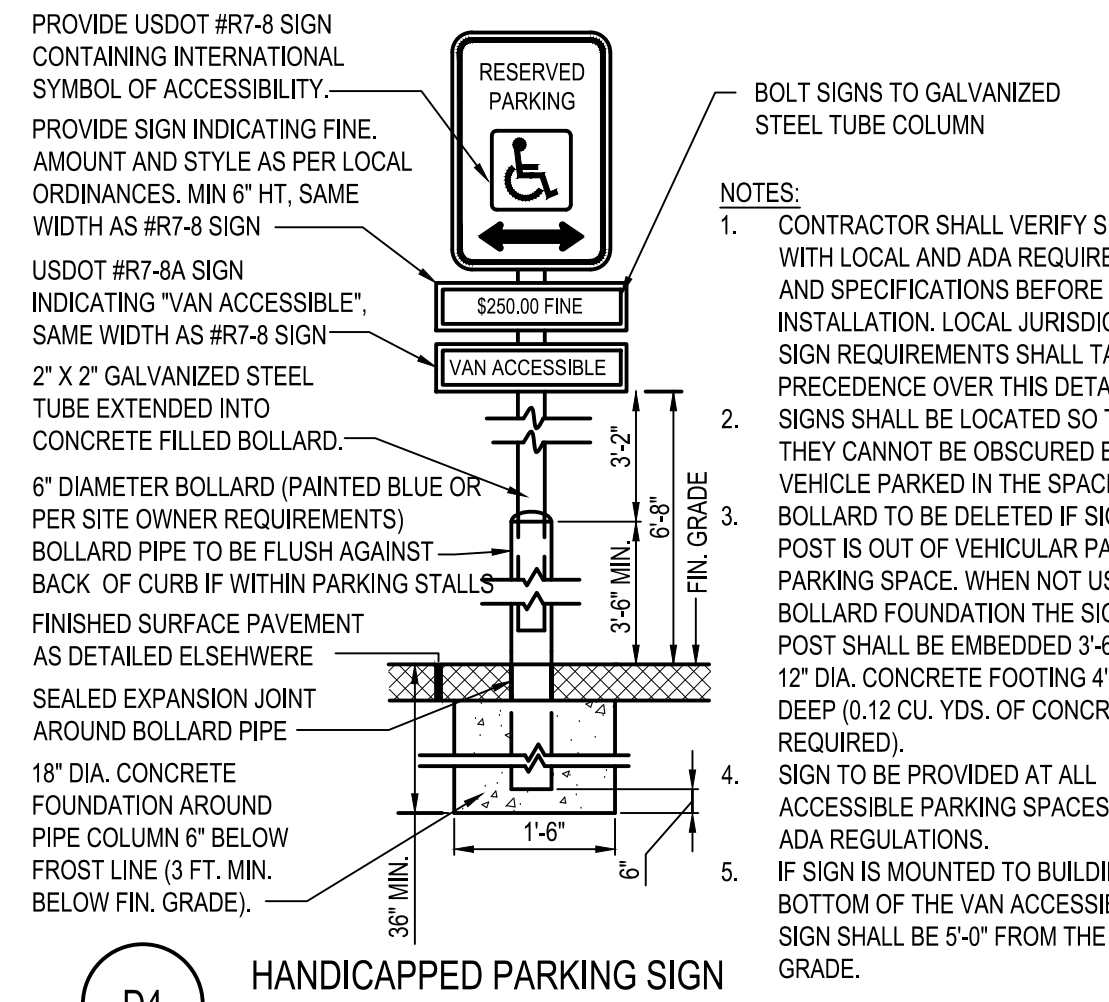


KEYED NOTES

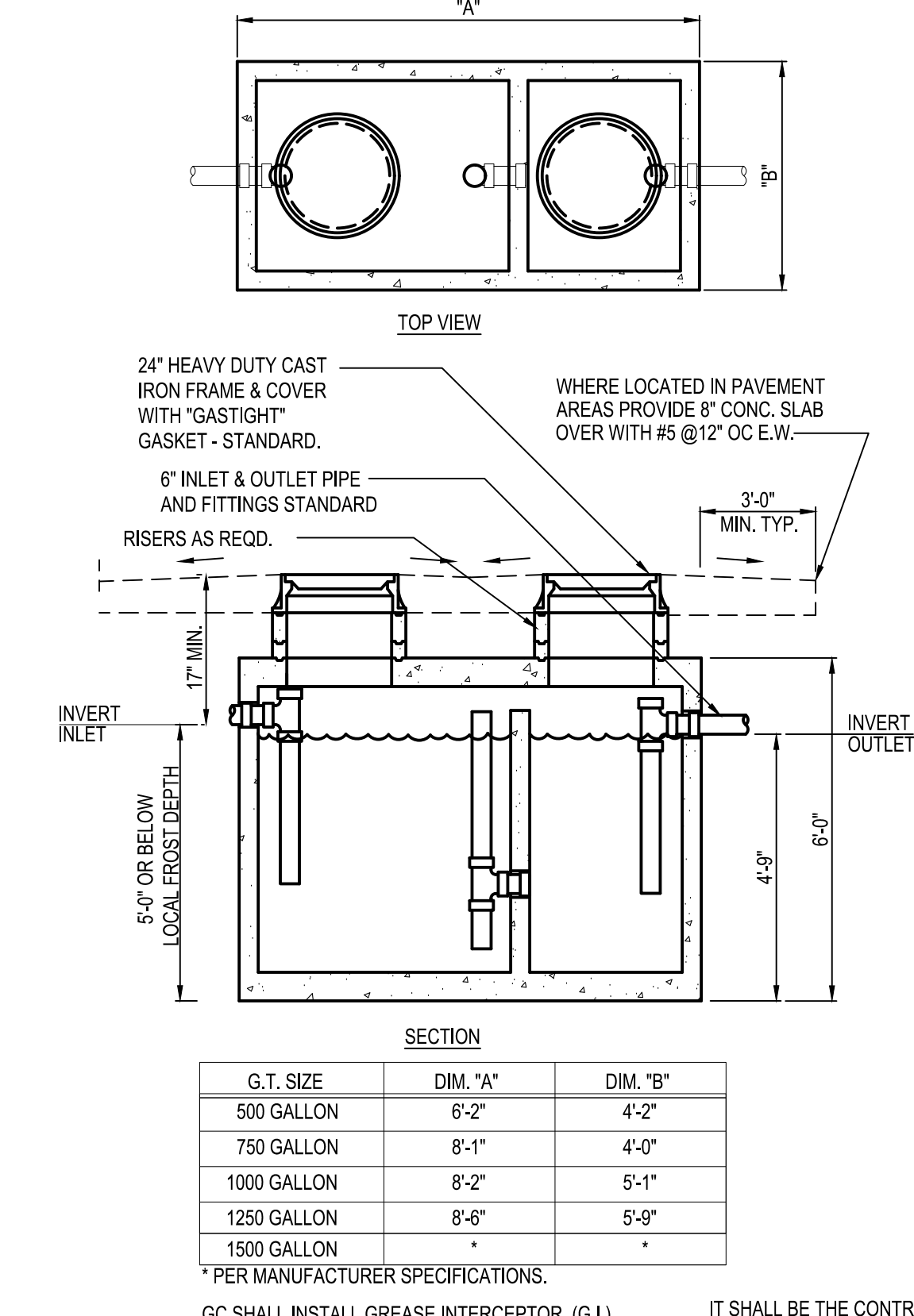
1. PAINT BACKGROUND BENJAMIN MOORE MSS SAFETY & ZONE MARKING LATEX MSB-33 - BLUE
2. PAINT SYMBOL BENJAMIN MOORE MSS SAFETY & ZONE MARKING LATEX MSB-41 - WHITE 4" W/TH
3. BOTTOM EDGE OF SYMBOL BOX SHALL MATCH END OF STALL STRIBE AT DRIVEABLE END OF STALL.



E4 ADA PAVEMENT SYMBOL
N.T.S.



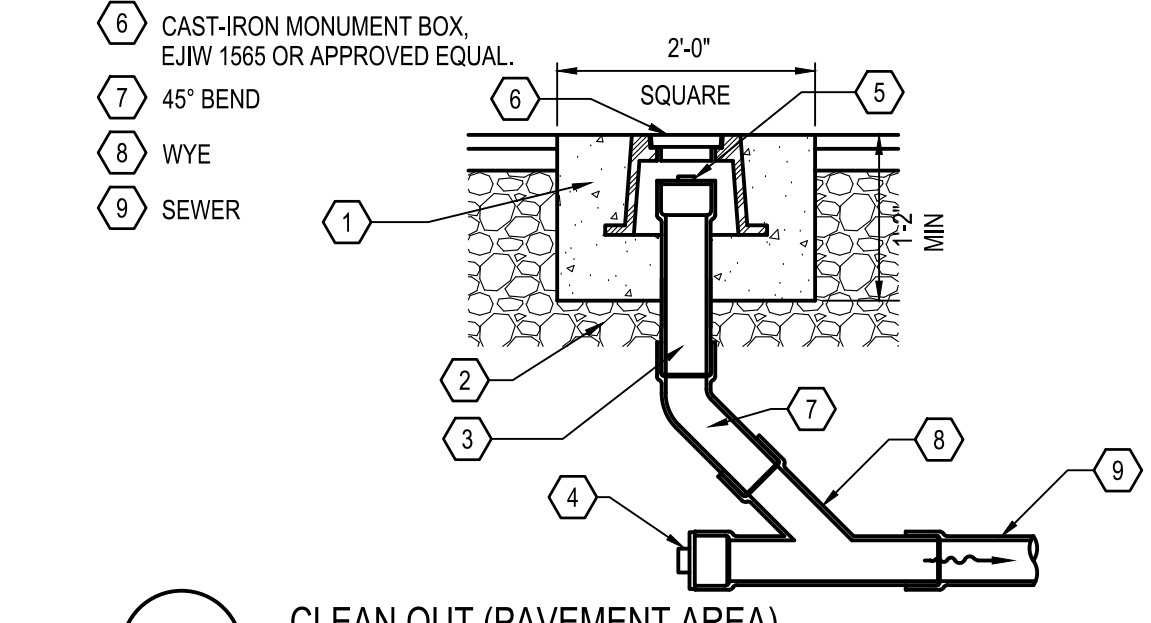
D4 HANDICAPPED PARKING SIGN
N.T.S.



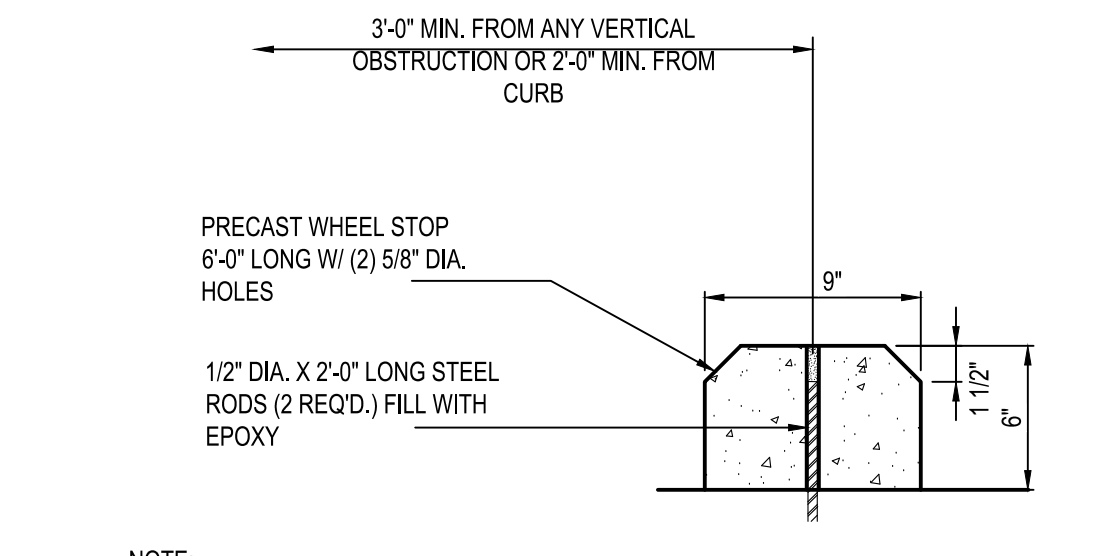
D5 EXTERIOR GREASE INTERCEPTOR
N.T.S.

KEYED NOTES

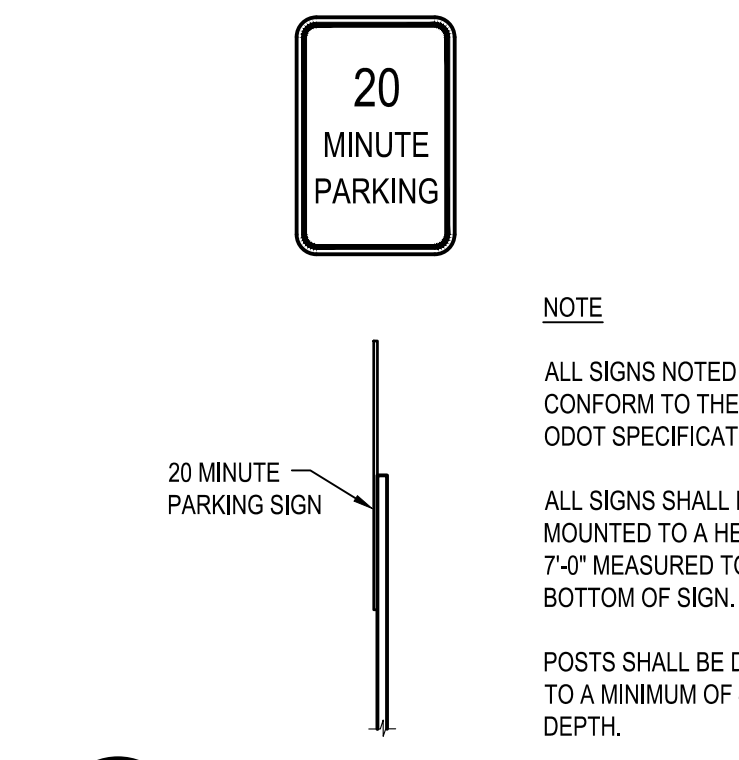
1. CONCRETE, MATCH PAVEMENT SPEC.
2. 8" (MIN.) AGGREGATE BASE
3. 8" DIA. CLEAN-OUT PIPE
4. CAP AND SEAL CONDUIT
5. THREADED CLEAN-OUT CAP
6. CAST-IRON MONUMENT BOX, 6" MIN. 1500 OR APPROVED EQUAL
7. WYE
8. SEWER



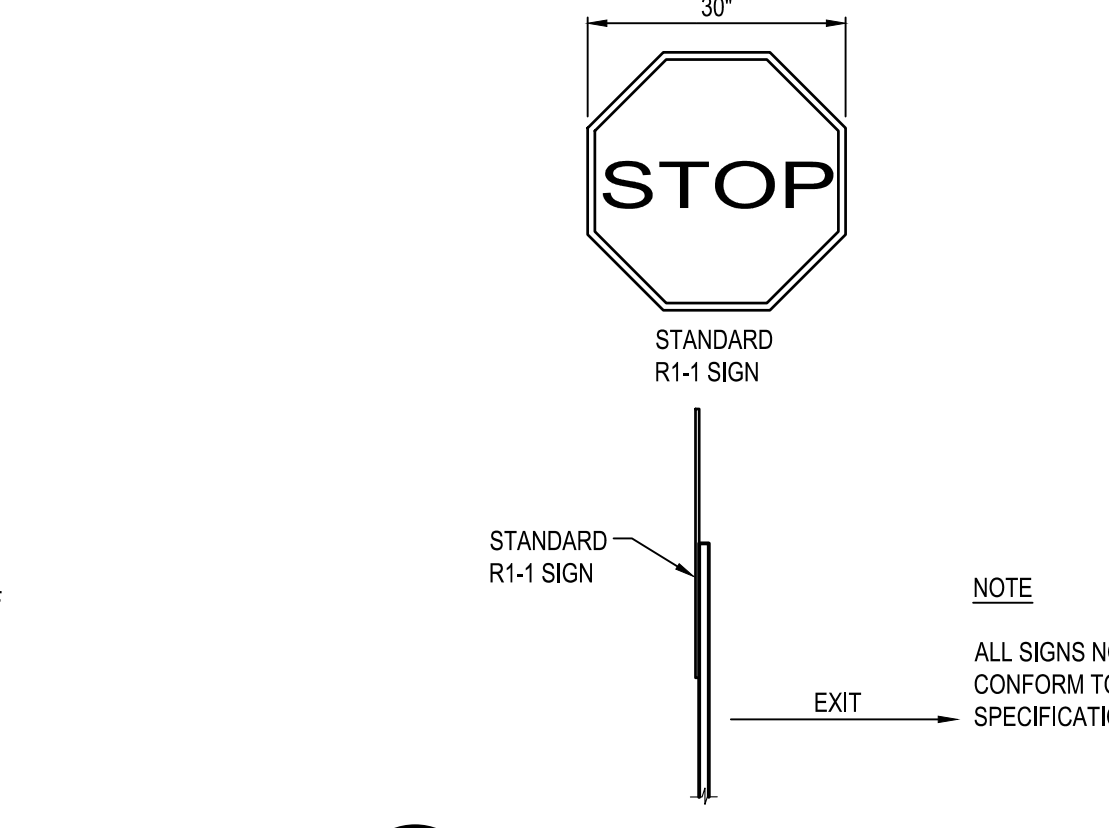
C5 CLEAN OUT (PAVEMENT AREA)
N.T.S.



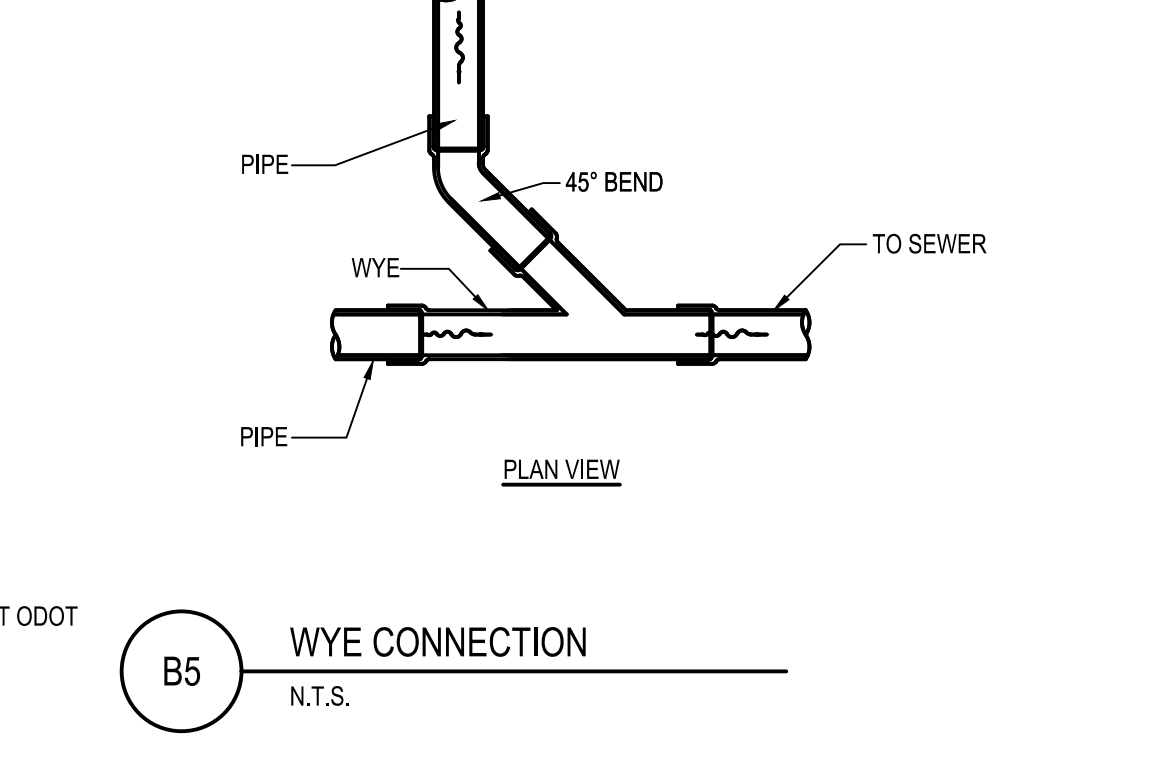
C4 P.C.C. WHEELSTOP
N.T.S.



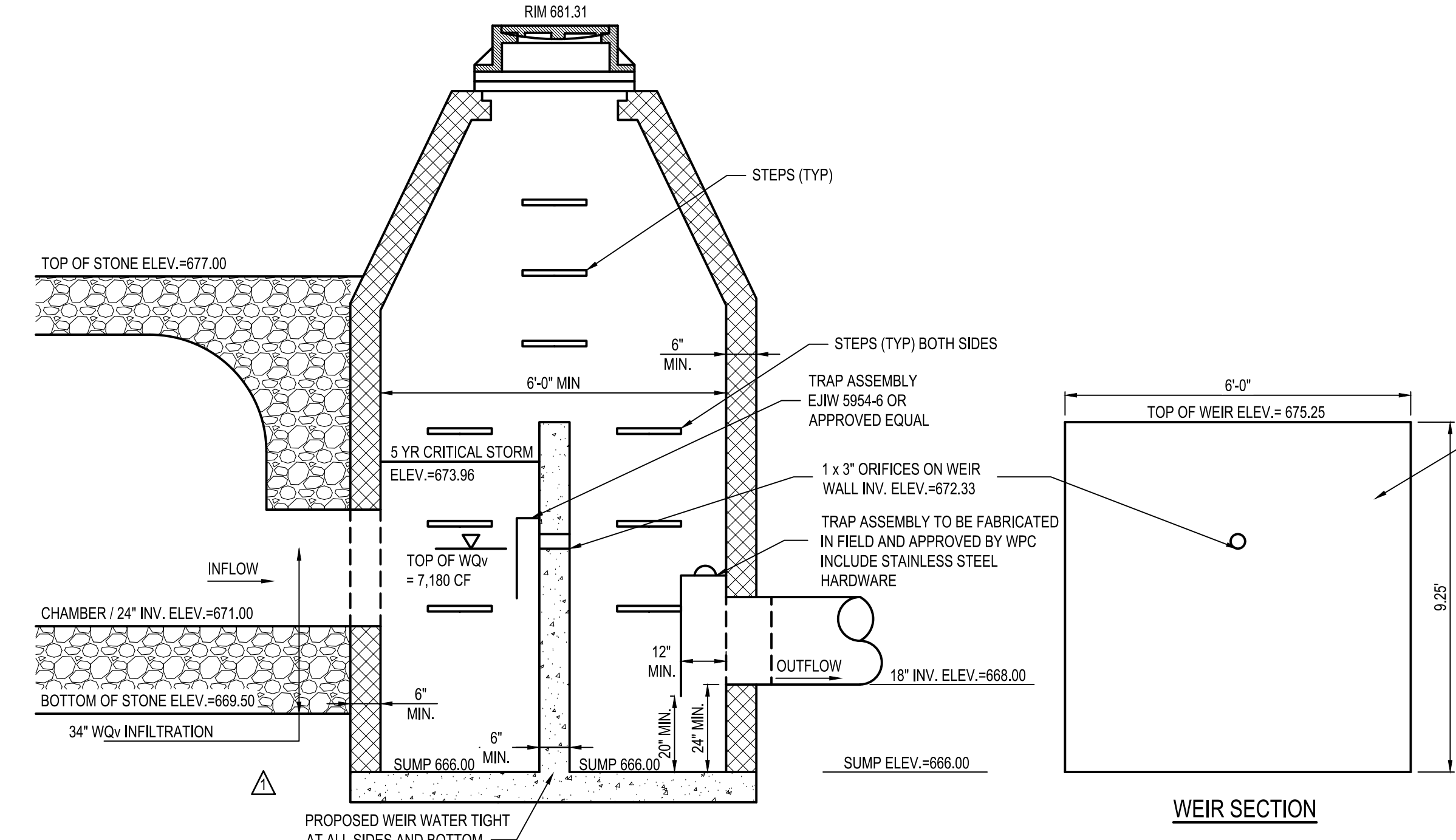
B3 20 MINUTE PARKING SIGN
N.T.S.



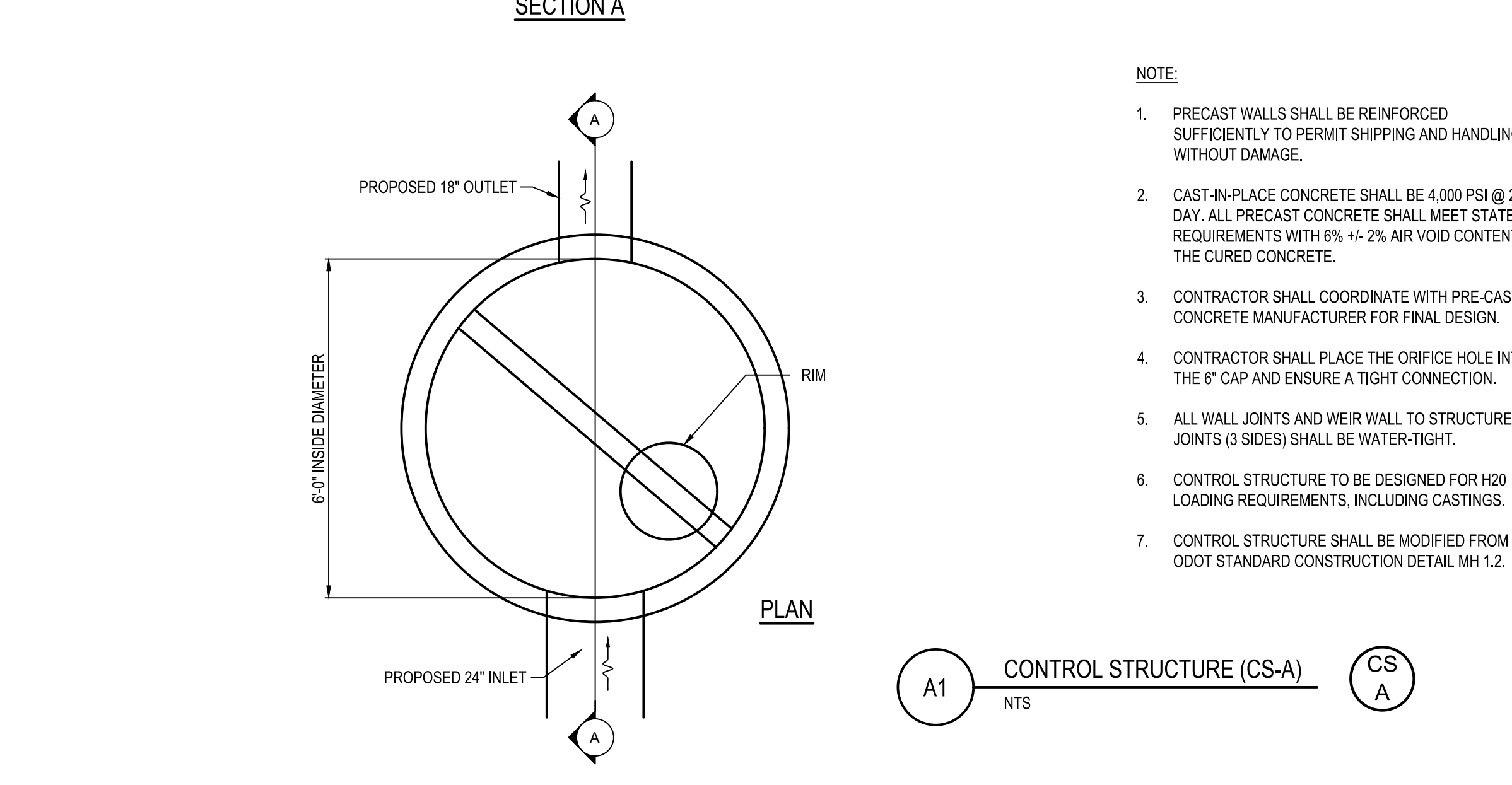
B4 DO NOT ENTER & STOP SIGN
N.T.S.



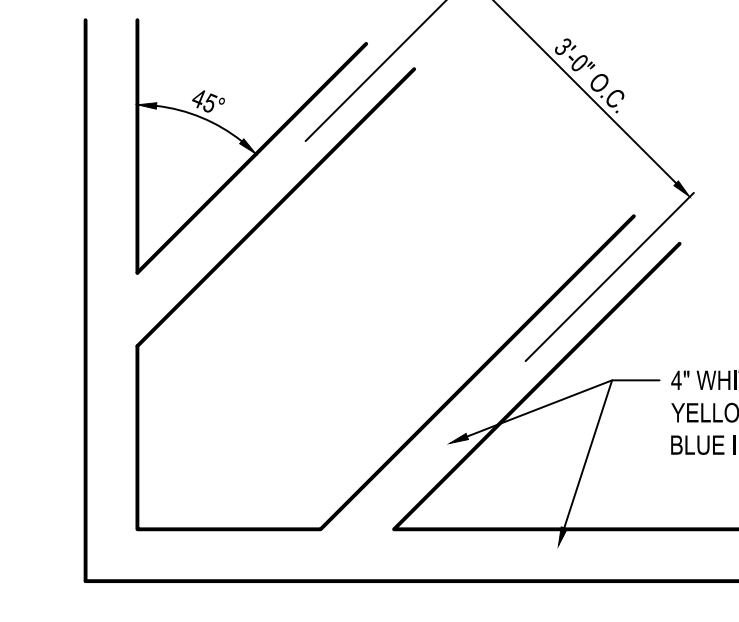
B5 WYE CONNECTION
N.T.S.



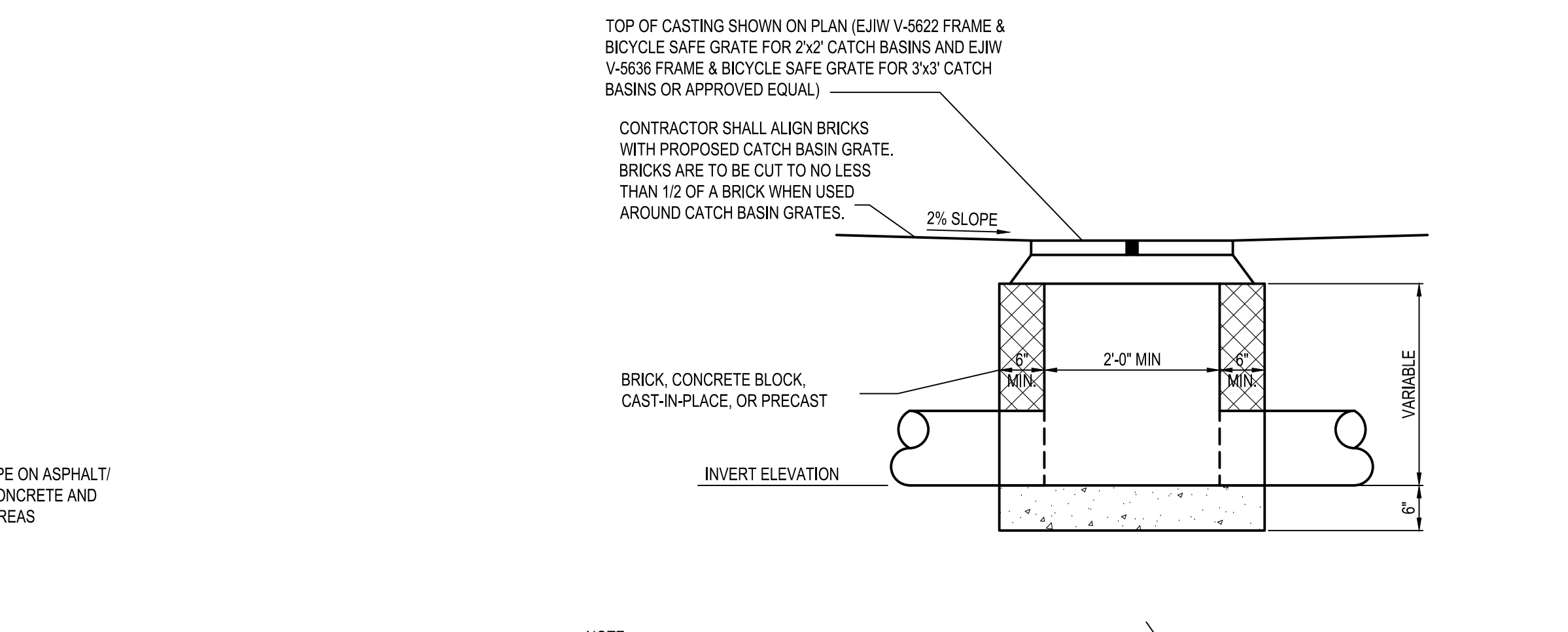
SECTION A WEIR SECTION



A1 CONTROL STRUCTURE (CS-A)
N.T.S.



A3 TRANSVERSE STRIPING
N.T.S.



A4 CATCH BASIN
N.T.S.

AREA FOR CITY APPROVAL STAMP

ARCH. EL. 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and filing all existing conditions prior to proceeding with construction. Compliance with all applicable local, state, and federal building and accessibility codes, and existing Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and verification of property lines and located (survey). Submitting drawings to architect for approval and comments to Architectural design intent.

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. These documents are to be read in conjunction with the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and all its conditions and have accepted all applicable work. Additional Architectural Specification copies are available anytime upon request.

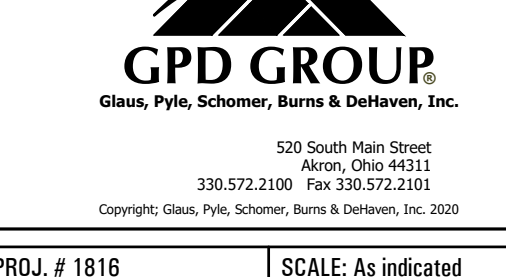
Hardware Products, L.L.C. shall retain all copyrights, patents and common law right and request to their plans and building design. Reproduction, changes or employment in any third party shall occur without obtaining express written permission and consent of Hardware Products, L.L.C.

Intro Cleveland

WEST 26TH STREET & LORAIN AVENUE
CLEVELAND, OHIO 44113

DATE	ISSUED FOR
03/01/2019	PERMITTING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	RD APPROVAL
05/20/2019	BID RELEASE DEVELOPMENT
06/20/2019	BID RELEASE 2
10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/15/2020	10% PROGRESS
02/14/2020	100% DO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	WPC COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

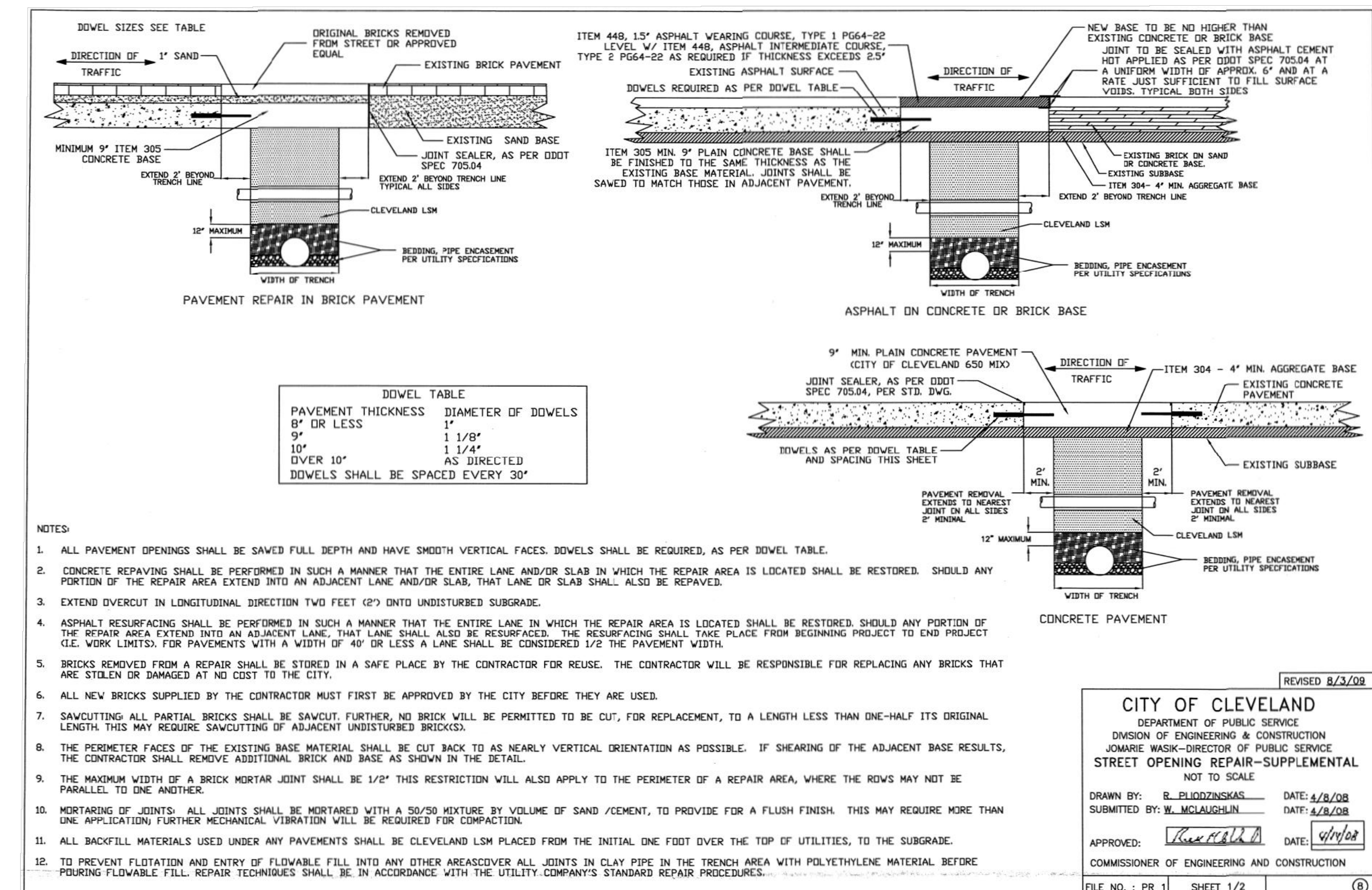
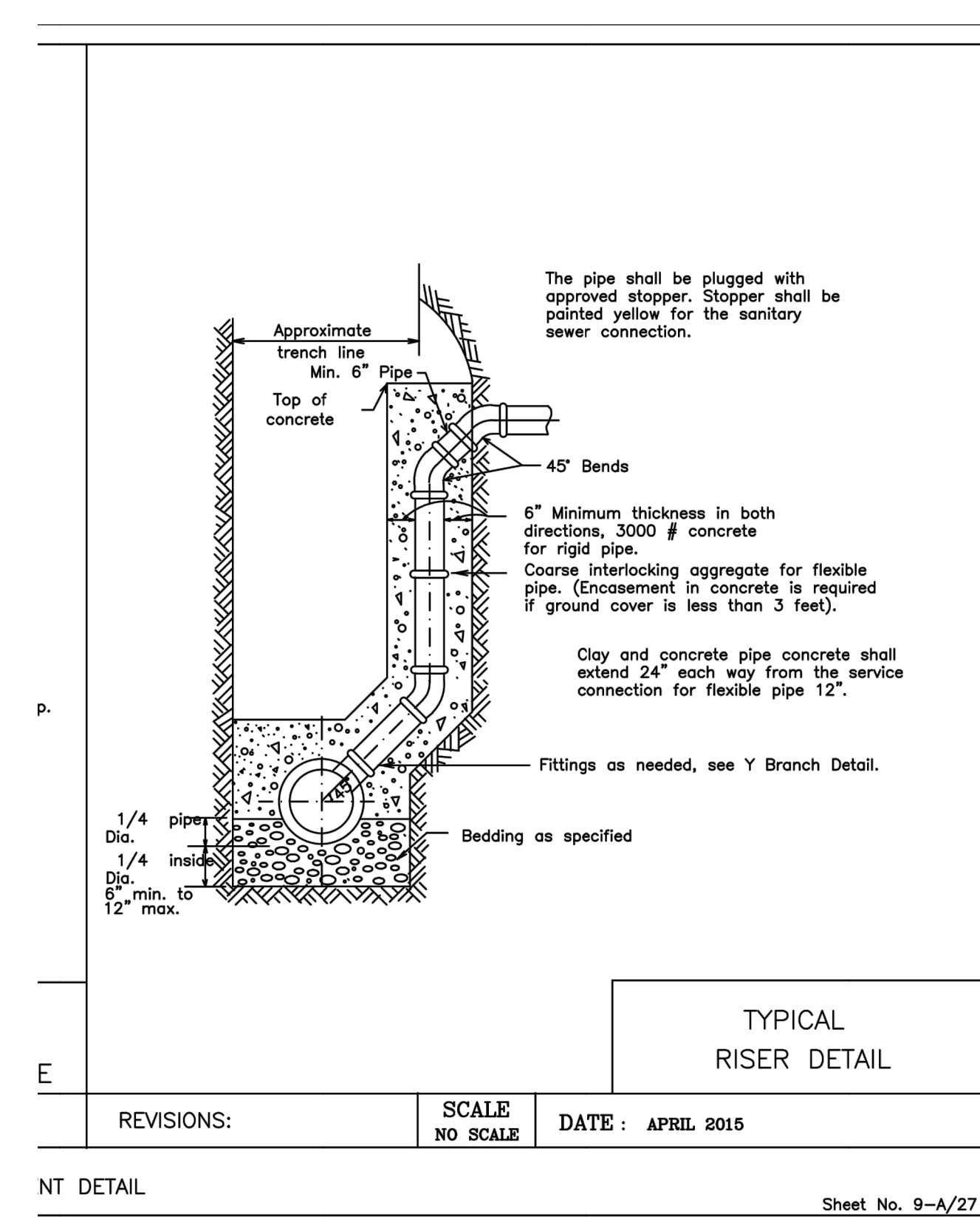
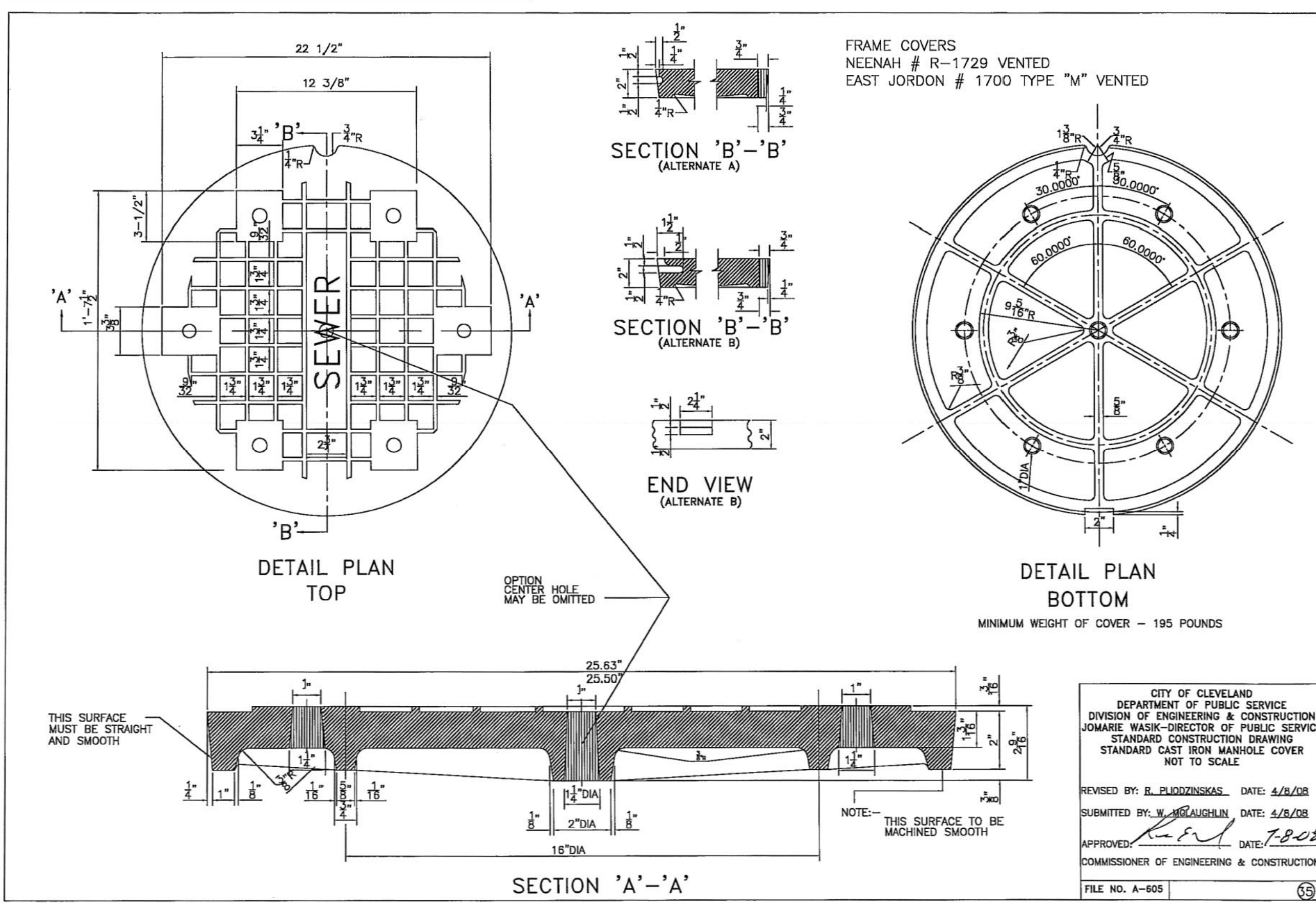
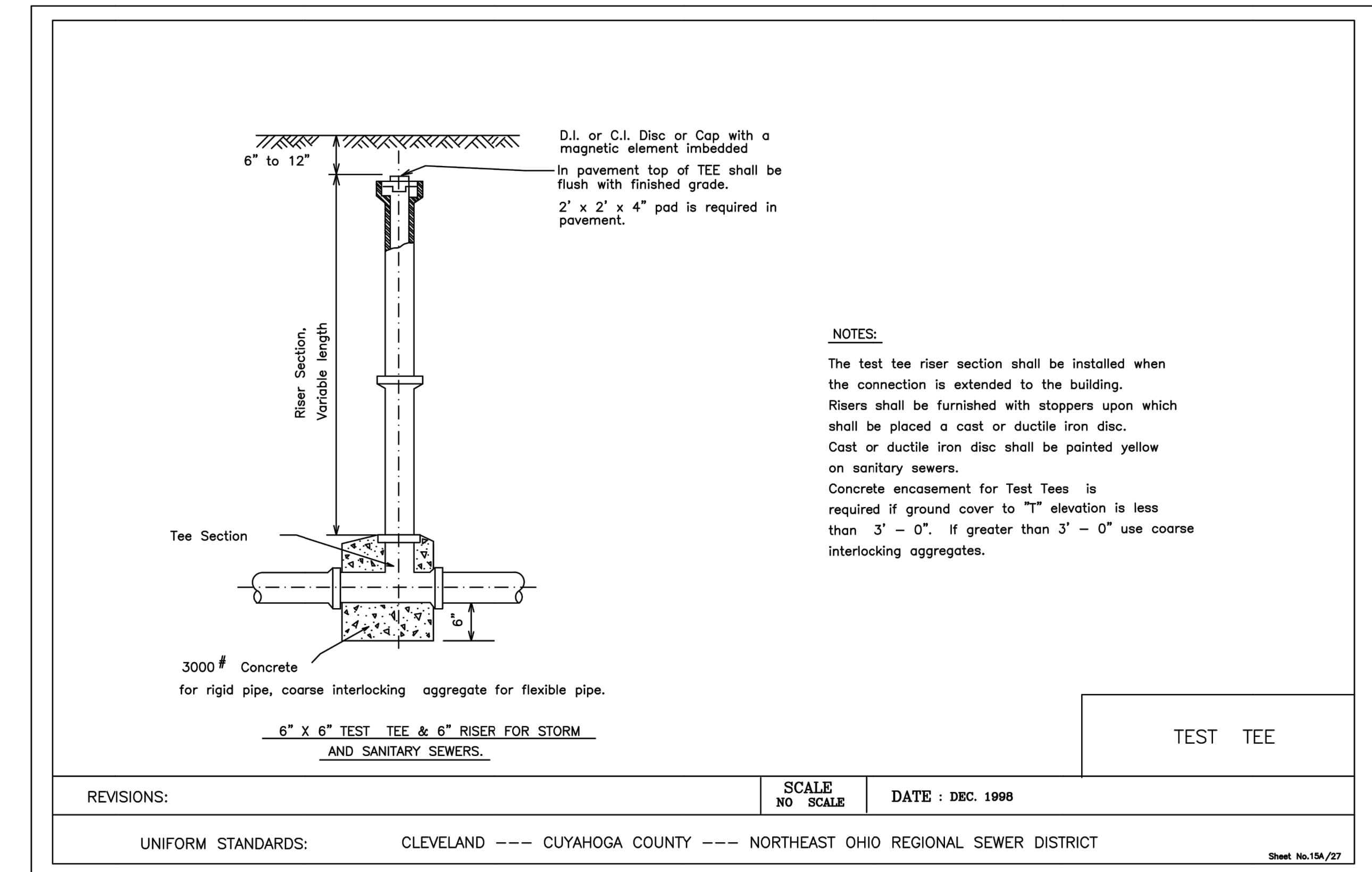
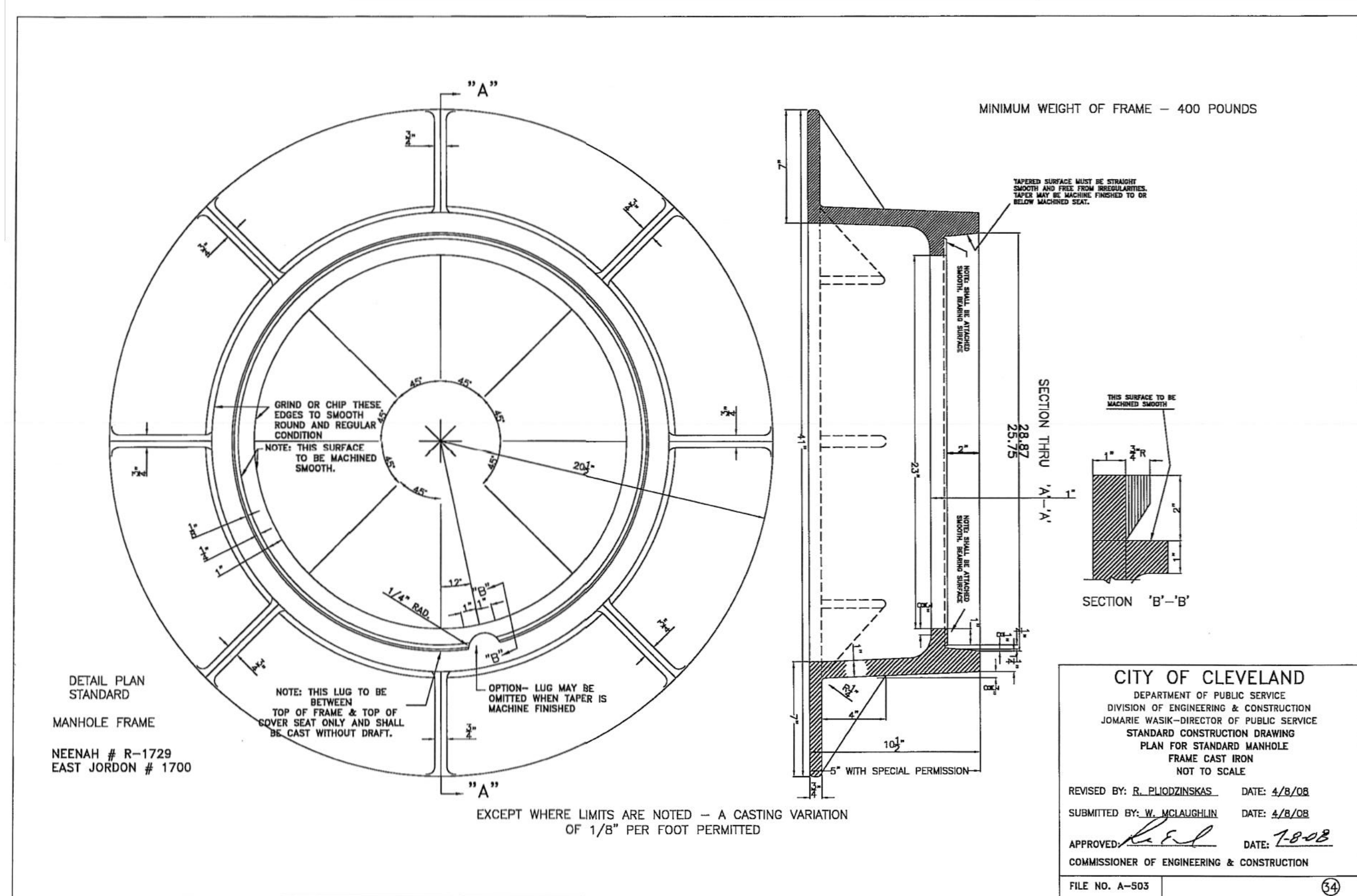
GPD PROJECT NO.
2018350-00



PRJ. # 1818 SCALE: As indicated
CK. BY: RP DN. BY: NG

DETAILS

C-501

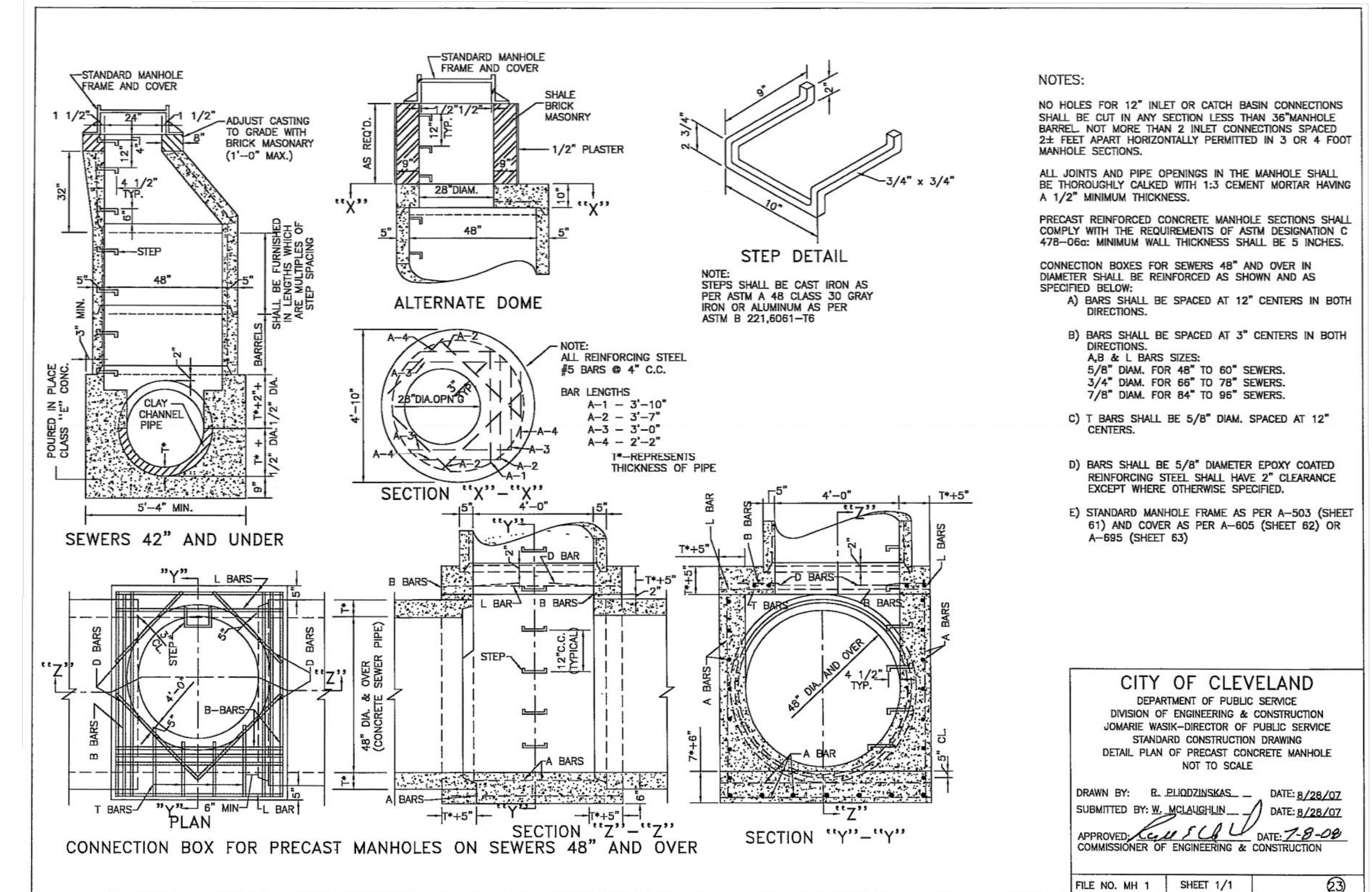
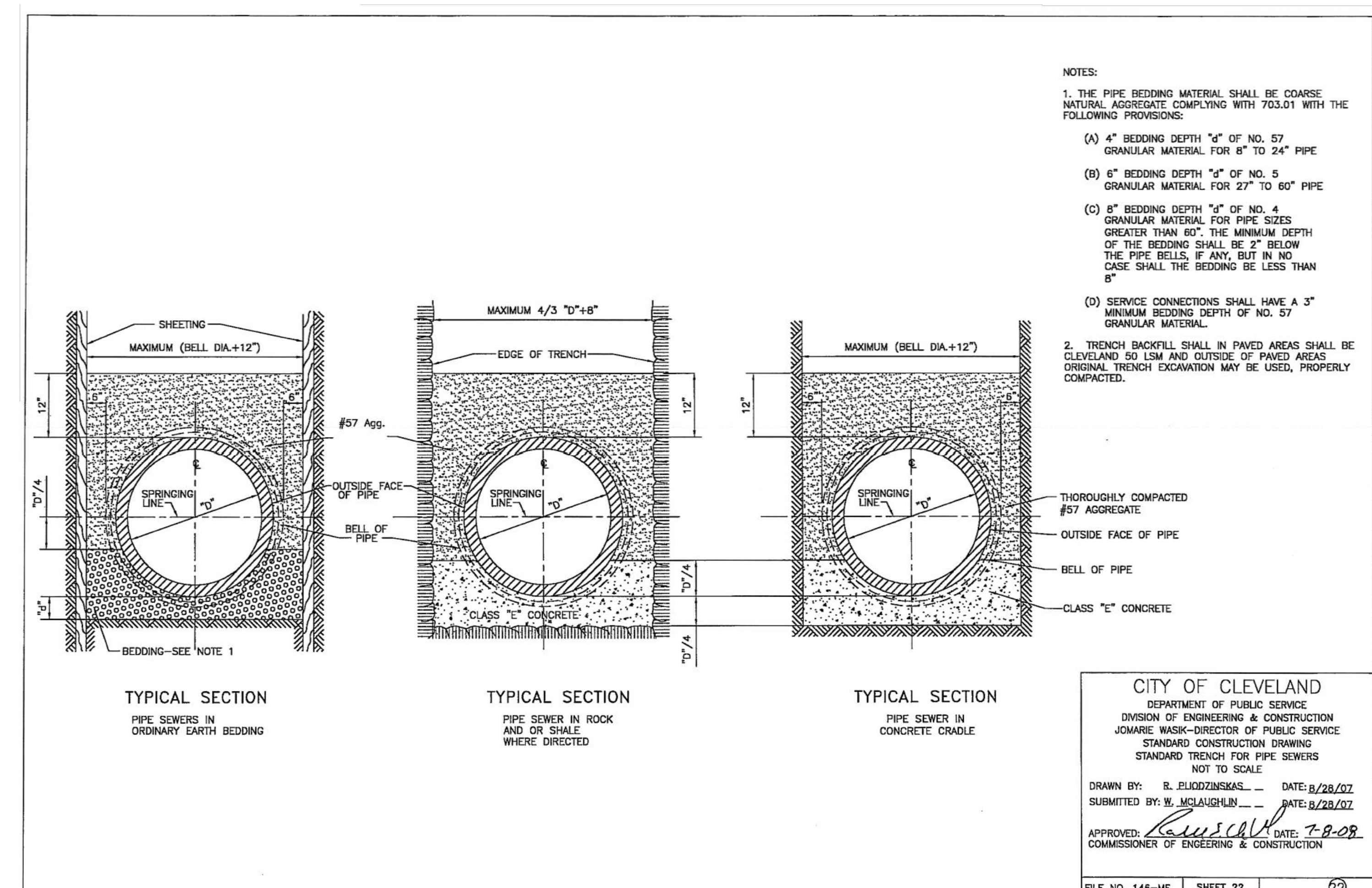


FOR REFERENCE ONLY

ARCH. EL: 0'-0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and for obtaining all necessary permits and for providing all necessary labor, materials, and equipment for the work. The Contractor shall be responsible for the safety of all workers and for the protection of all existing utilities and structures. The Contractor shall be responsible for the removal and disposal of all debris and waste materials. The Contractor shall be responsible for the maintenance of all traffic control devices and for the protection of all adjacent properties. The Contractor shall be responsible for the completion of all work in accordance with the approved plans and specifications.

This document 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.



Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
CLEVELAND, OHIO 44115

ISSUANCE	DATE	ISSUED FOR
03/01/2019	03/01/2019	INITIAL/ISSUE SUBMITTAL
03/04/2019	03/04/2019	PROGRESS, NOT FOR CONSTRUCTION
03/12/2019	03/12/2019	FOR APPROVAL
06/20/2019	06/20/2019	BID DESIGN DEVELOPMENT
06/20/2019	06/20/2019	BID RELEASE 2
10/14/2019	10/14/2019	BID RELEASE 1 UPDATE
12/10/2019	12/10/2019	FOUNDATION PERMIT
01/16/2020	01/16/2020	FINAL PROGRESS
03/13/2020	03/13/2020	100% DD PROGRESS
03/17/2020	03/17/2020	BUILDING PERMIT
04/28/2020	04/28/2020	MPFC COMMENTS
05/01/2020	05/01/2020	CITY COMMENTS
05/01/2020	05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	05/15/2020	FOUNDATION IFC

GPD PROJECT NO.
2018590.00

GPD GROUP
Civil, Public, Software, Marine & Fisheries, Inc.
130 572 2288
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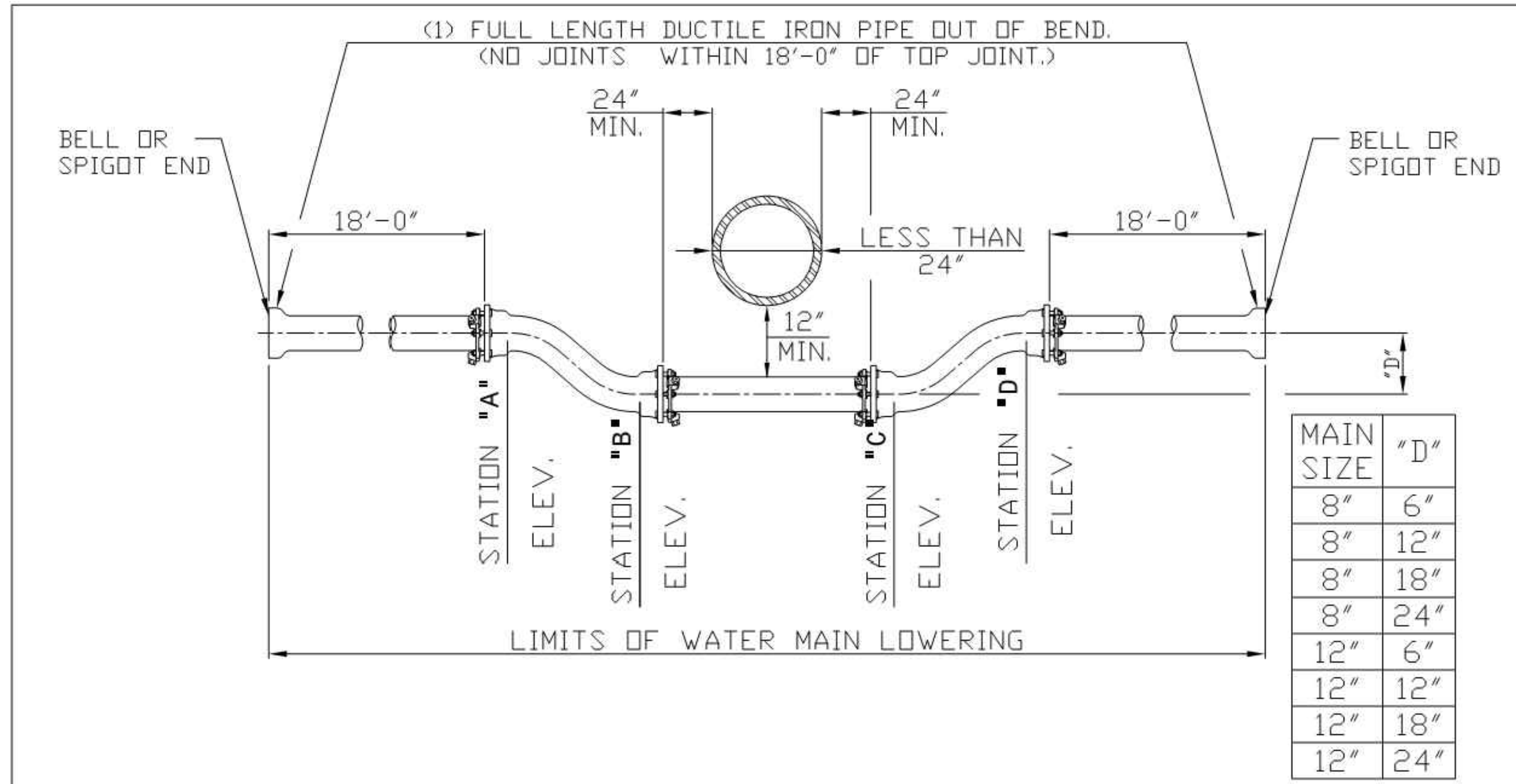
PROJ. # 1818 SCALE: AS INDICATED
CHK BY: NP

CITY OF CLEVELAND DETAILS

C-502

CLEVELAND WATER NOTES FOR WATER MAIN INSTALLATION AND/OR REPLACEMENT

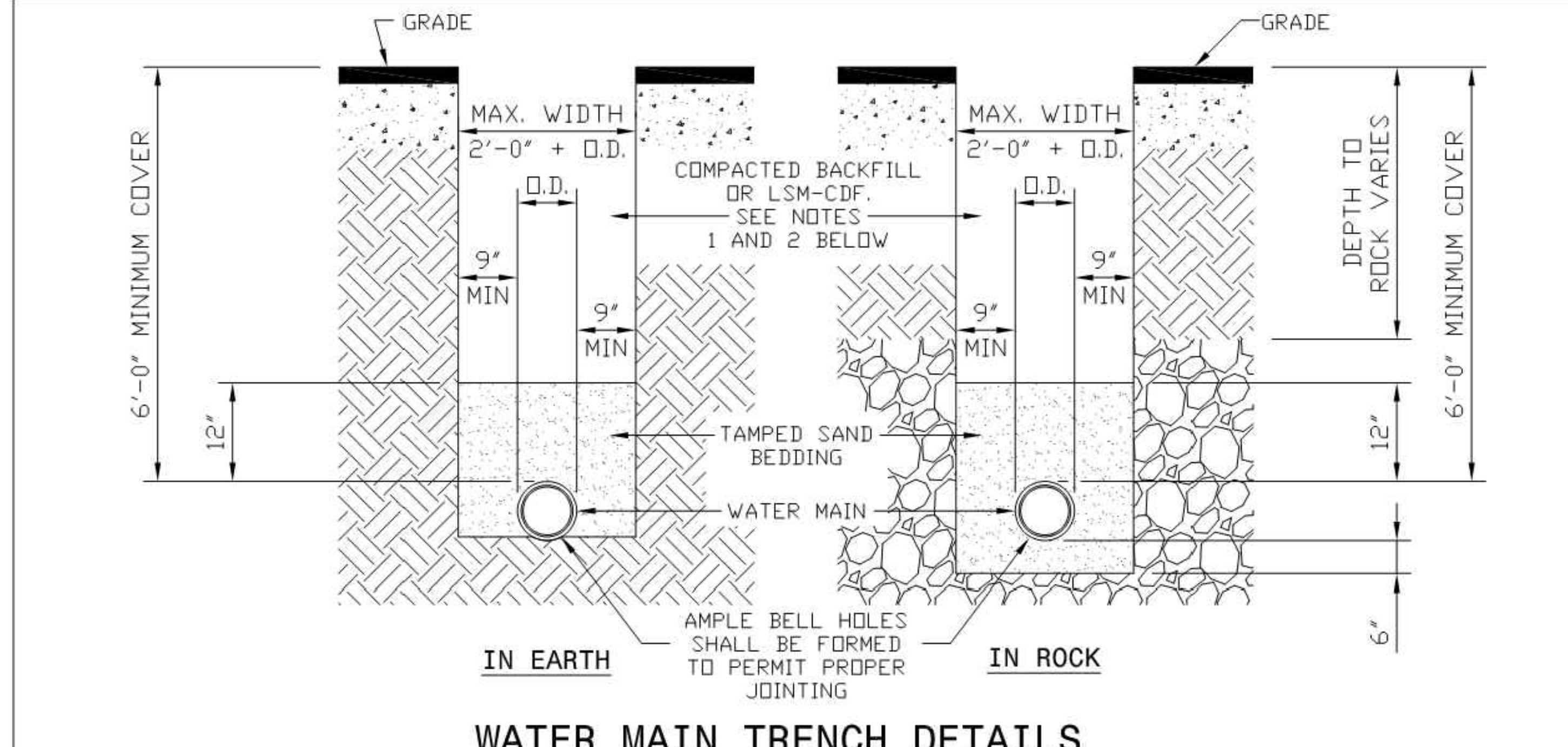
- DEVELOPERS, ENGINEERS AND CONTRACTORS ARE TO ADEE BY THE MOST CURRENT VERSION OF THE CLEVELAND WATER NOTES AND DETAILS. THE MOST UP-TO-DATE VERSION CAN BE FOUND AT WWW.CLEVELANDWATERCONSTRUCTION.COM
- GENERAL:**
- ALL WATER WORK REQUIRED, WHETHER SHOWN ON THE PLAN OR AS INDICATED BY CLEVELAND WATER SHALL BE AT THE EXPENSE OF THE PROJECT UNLESS OTHERWISE AGREED TO BY THE COMMISSIONER OF THE CLEVELAND DIVISION OF WATER.
 - THE INFORMATION SHOWN ON THE CLEVELAND DIVISION OF WATER'S SUMMARY OF WORK/CHANGE LETTER, STRIP MAPS, AS-BUILT DRAWINGS, AND DE AS TAKEN FROM EXISTING AVAILABLE RECORDS, AND THEIR ACCURACY IS NOT GUARANTEED.
 - CALL THE NOTIFICATION AND ENFORCEMENT UNIT AT 216-664-2342 TO SCHEDULE A PRECONSTRUCTION MEETING AT LEAST 1 WEEK PRIOR TO STARTING CONSTRUCTION. THE OPERATION OF ANY VALVE OR OPERATION OF ANY PART OF THE WATER SYSTEM BY CONTRACTORS OR THEIR EMPLOYEES IS PROHIBITED WITHOUT THE SUPERVISION OF THE CLEVELAND DIVISION OF WATER INSPECTOR.
 - PRIOR TO REQUESTING COLORATION, THE CONTRACTOR SHALL SUPPLY THE CLEVELAND WATER INSPECTOR WITH REDLINE DRAWINGS SHOWING CHANGES MADE FROM THE APPROVED DESIGN DRAWINGS AND ACTUAL MEASUREMENTS. COLORATION SHALL NOT OCCUR BEFORE THESE DRAWINGS ARE SUBMITTED.
 - FOR THE PURPOSES OF COLORATION AND BACTERIOLOGICAL TESTING OF THE WATER MAINS THE CONTRACTOR SHALL PROVIDE AND INSTALL AT EACH OF THE COLORATION FIT LOCATIONS SHOWN AND AT OTHER LOCATIONS DETERMINED BY CLEVELAND WATER. FLUSHING, SAMPING TAP SIZES ARE TO BE DETERMINED CLEVELAND WATER. COLORATION FITS SHALL BE 96 IN. FOOT SQUARE AND ARE TO MEET CSDW STANDARDS. NO CUSTOMER TAPS SHALL BE INSTALLED PRIOR TO COLORATION.
 - A TWO YEAR WARRANTY COMMENCING FROM THE DATE OF ACCEPTANCE OF THE FINAL COLORATION OF THE WATER MAIN INSTALLATION SHALL BE PROVIDED BY THE BUILDING/DEVELOPER AND/OR CONTRACTOR FOR ALL WATER MAINS AND SERVICE CONNECTION WORK PERFORMED BY THE CONTRACTOR, INCLUDING TAPS IF PERFORMED. SHOULD ANY LEAKS OCCUR AND REPAIRS BE REQUIRED DUE TO DEFECTIVE MATERIAL OR POOR WORKMANSHIP, A LETTER INDICATING THE COMMENCEMENT DATE AND END DATE OF THE WARRANTY SHALL BE INCLUDED WITH THE AS-BUILT SUBMISSION IN NOTE 12.
 - USE MCKEEL MATERIAL AS SPECIFIED AND COMPACT SUFFICIENTLY IN THOSE AREAS WHERE EXISTING MAINS AND WATER SERVICE CONNECTIONS ARE EXPOSED. (SEE CLEVELAND WATER STANDARD DETAIL STD-01)
 - ALL MATERIALS INCLUDING BUT NOT LIMITED TO WATER MAINS, FIRE HYDRANTS, VALVES, CONECTOR MATERIALS AND OTHER WATER APPURTENANCES SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE MOST CURRENT CLEVELAND WATER SPECIFICATIONS. ALL MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH CLEVELAND WATER STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER MAINS AND APPURTENANCES THEREOF WHEN CONSTRUCTING OR CONNECTING THE NEW WATER MAIN. THIS SHALL INCLUDE LEAKS IN EXISTING FITTINGS WHICH MAY REQUIRE REPLACEMENT FITTINGS AT THE DISCRETION OF THE INSPECTOR IF IT IS DETERMINED THEY WERE DISTURBED. ALL REPAIRS TO DAMAGED EXISTING FACILITIES SHALL BE MADE BY THE CONTRACTOR AT THE PROJECT EXPENSE, TO THE SATISFACTION OF CLEVELAND WATER.
 - ALL HYDROSTATIC PRESSURE TESTING SHALL BE DONE BY THE CONTRACTOR IN THE PRESENCE OF THE CLEVELAND WATER INSPECTOR. THE HYDROSTATIC TEST PRESSURE SHALL BE 75 PSI ABOVE THE STATO PRESSURE PREVAILING AT THE SITE. BUT IN NO CASE LESS THAN 100 PSI. THE PRESSURE TEST SHALL BE FOR A DURATION OF TWO (2) HOURS WITH THE PRESSURE BEING MAINTAINED WITHIN 4 PSI OF THE DESIGN TEST PRESSURE. SHOULD THE PRESSURE TEST FAIL, THE CONTRACTOR SHALL FIND AND CORRECT THE DEFICIENCIES TO THE SATISFACTION OF CLEVELAND WATER AND REPEAT THE TWO (2) HOUR PRESSURE TEST.
 - ALL BURIED WATER MAINS, FITTINGS, VALVES, FIRE HYDRANT BRANCH PIPING AND APPURTENANCES SHALL BE ENCASED WITH POLYETHYLENE WRAPPING IN ACCORDANCE WITH THE MOST CURRENT REVIEW OF ANSI/AWWA C 900. INSTALLATION METHOD "W" ALTERNATE INSTALLATION METHOD A FOR WET TRENCH CONDITIONS SHALL BE USED WHEN WATER MAINS ARE INSTALLED IN UNPAVED LOCATIONS SUCH AS TREE LANS AND EXISTENTS TRAVELING PRIVATE PROPERTY.
 - THE PROJECT'S PROFESSIONAL ENGINEER OR A DESIGNATED PROFESSIONAL SURVEYOR SHALL OBTAIN ACTUAL FIELD MEASUREMENTS OF THE MAIN DURING INSTALLATION AND SHALL FURNISH THE CLEVELAND WATER INSPECTOR WITH AS-BUILT DRAWINGS MEETING CLEVELAND WATER STANDARDS WITHIN 30 DAYS OF THE WATER MAIN GOING INTO SERVICE AND ALL TAPSETS BEING MADE. ONE HARD COPY AND ONE PDF COPY SHALL BE PROVIDED. DRAWINGS SHALL BE SEALD, DATED, AND STAMPED WITH THE ENGINEER OR SURVEYOR'S SEAL. REDLINE DRAWINGS ARE NOT SUFFICIENT. CLEVELAND WATER RESERVES THE RIGHT TO WITHHOLD PAYMENT AND/OR APPROVAL OF FUTURE WORK IF AS-BUILTS ARE NOT SUBMITTED.
- WATER MAINS:**
- ALL PIPE UNLESS OTHERWISE APPROVED BY CLEVELAND WATER SHALL BE DUCTILE IRON, MINIMUM CLASS 52, CEMENT LINED, HAVING PUSH-ON JOINTS WITH SODIALLY COMPRESSED RUBBER GASKETS AND INSTALLED AS PER THE MOST CURRENT REVIEW OF AWWA C900.
 - ALL FITTINGS UNLESS OTHERWISE CALLED FOR SHALL BE APPROVED DUCTILE IRON CLASS 502, CEMENT LINED OR FUSION BONDED SPOW COATED. ALL FITTINGS AND PIPE CONNECTED TO FITTINGS SHALL BE RESTRAINED USING A "REINFORCED" MECHANICAL JOINT CONFORMING TO THE MATERIAL AND PERFORMANCE REQUIREMENTS OF ANSI/AWWA C 1104/210 AND ANSI/AWWA C 1114/211, OR "COMPACT" FITTINGS IN ACCORDANCE WITH ANSI/AWWA C 1042/11, EXCEPT FOR ANCHOR TEES, REDUCERS OR OTHER SPECIAL CIRCUMSTANCES WHEN BY CLEVELAND WATER. ALL FITTINGS ARE TO HAVE BELL ENDS.
 - ALL BOLTS AND NUTS ON ALL "REINFORCED" MECHANICAL JOINTS SHALL HAVE FIELD APPLIED ONE (1) COAT OF BITUMASTIC PAINTING.
 - WHERE SHOWN ON THE PLAN, OR WHEN OTHERWISE CALLED FOR, PIPE AND FITTINGS SHALL HAVE AN APPROVED TYPE F OR TYPE H BOLTLSS RESTRAINED PUSH-ON JOINTS TO THE LIMITS SHOWN ON THE DRAWINGS.
 - AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PLUG ALL OPEN PIPE ENDS WITH WATER TIGHT PLUGS AS PER THE "PREVENTATIVE AND CORRECTIVE" MEASURES DURING CONSTRUCTION" SECTION OF THE MOST CURRENT REVIEW OF AWWA C 651 AS TO PREVENT THE INFILTRATION OR INTRUSION OF ANY FOREIGN OBJECTS OR MATERIALS. DATE STAMPED DIGITAL PHOTOS SHALL BE PROVIDED FOR EACH WORKDAY DEMONSTRATING THAT PROPER AWWA C 651 METHODS WERE USED TO PLUG ALL OPEN WATER MAIN ENDS. EACH PHOTO SHALL CLEARLY IDENTIFY THE STATION AT WHICH THE PIPE IS PLUGGED. THE STATIONING SHALL BE SHOWN BY THE USE OF A STATION MARKER PLUGGED AT THE PLUGGED PIPE END.
 - PHOTOS SHALL BE SUBMITTED ON A DAILY BASIS UNLESS OTHERWISE DEFINED BY THE CLEVELAND WATER INSPECTOR OR ENGINEER. ALL PHOTOS TAKEN OVER THE COURSE OF THE PROJECT SHALL BE SUBMITTED BY THE CONTRACTOR AS PART OF THE AS-BUILT SUBMITTAL. PHOTOS ARE TO INCLUDE STATIONING MARKERS. AS-BUILTS SHALL BE CENEED INCOMPLETE WITHOUT SAID COLLECTION OF DIGITAL PHOTOS.
 - HYDRANTS:**
 - IN ALL HYDRANT INSTALLATIONS THE CONTRACTOR SHALL FACE ALL HYDRANTS IF STRENGTH MODELS TOWARD THE PAVEMENT PRIOR TO TESTING AND COLORATION OF WATER MAINS. ONLY CLEVELAND WATER APPROVED HYDRANT MODELS SHALL BE INSTALLED. CONTRACTOR SHALL CONSULT WITH THE LOCAL MUNICIPALITY ENGINEERING OR SERVICE DEPARTMENT TO OBTAIN HYDRANT MODEL THREAD REQUIREMENTS IF NOT INDICATED ON THE APPROVED PLANS.
 - VALVES:**
 - ALL VALVES SHALL BE AN APPROVED MODEL, RESILIENT SEATED GATE VALVES AS PER THE MOST CURRENT VERSION OF AWWA C 200 OR C 201. VALVE OPERATING NUTS SHALL BE 1/2" TO 7/8" DIA. 2" FROM TOP TO BOTTOM AND 2" DEEP. VALVES MORE THAN 10 YEARS OLD AT THE IN POINTS TO EXISTING MAINS SHALL BE REPLACED AT THE PROJECT'S EXPENSE UNLESS OTHERWISE DIRECTED.
 - SERVICE CONNECTIONS:**
 - ANY CITYSIDE LEAD SERVICE CONNECTION ENCOUNTERED SHALL BE REPLACED WITH TYPE A COPPER OR OTHER APPROVED MATERIAL. IF OVERSIZE LEAD WILL REMAIN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY CWD BY CALLING 216-664-2342 AND LEAVING A CLEVELAND WATER SUPPLIED CUSTOMER NOTIFICATION CARD ON ALL ACCESSIBLE POINTS OF ENTRY TO THE HOME.
 - AS PART OF THE AS-BUILT SUBMISSION IN NOTE 12, THE CONTRACTOR SHALL PROVIDE A TABLE SHOWING ALL EXISTING CONNECTIONS IDENTIFIED BY CLEVELAND WATER CONNECTION NUMBER, SHOWING THE FOUND CONNECTION MATERIAL FOR BOTH THE CITYSIDE AND OVERSIDE CONNECTION, AS WELL AS THE NEW CONNECTION MATERIAL FOR ALL TAPSETS BEING MADE. THE TABLE SHALL ALSO NOTE ANY REINFORCED CONNECTION MEASUREMENTS AND SEES. A SAMPLE TABLE WILL BE PROVIDED. THE SUBMISSION SHALL BE IN MICROSOFT EXCEL FORMAT. CLEVELAND WATER SHALL REQUIRE THE DELIVERY AND ACCEPTANCE OF THIS TABLE BEFORE THE PRESSURE TEST AND COLORATION/INSPECTION OF THE MAIN WILL BE PERMITTED.
 - NEW WATER SERVICE CONNECTIONS LOCATIONS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY AND ARE NOT PART OF THE WATER MAIN APPROVAL. THE SPECIFIC LOCATION FOR EACH CONNECTION WILL BE DETERMINED BY CLEVELAND WATER PRIOR TO THE MAINS BEING INSTALLED. ALL PERMITS FOR TAPS AND METERS FOR PARCELS ASSOCIATED WITH THE WATER MAINS INSTALLED ON THIS PROJECT ARE TO BE OBTAINED BY THE LAND OWNER OF SAID IMPROVED PARCELS.
 - THE LAND OWNERS RESPONSIBILITY TO ARRANGE FOR OBTAINING PERMITS FOR ALL WATER SERVICE CONNECTIONS BEFORE ANY SERVICE CONNECTION WORK MAY PROCEED. ALL FEES CAN BE OBTAINED FROM THE CLEVELAND WATER PERMITS AND SALES SECTION AT 216-664-3100 OR BY PHONE AT 216-664-3100.
 - ACCOUNTS SHALL BE INITIATED IN THE LAND OWNERS NAME AS PART OF THE PERMITTING PROCESS. ALL RESPONSIBILITIES ASSOCIATED WITH EACH WATER SERVICE, INCLUDING THE OWNER SIDE INSPECTOR, METER SET/METER PIPING INSPECTION AND THE METER INSTALLATION SHALL BE THE RESPONSIBILITY OF SAID OWNER.
 - METERS INSTALLATIONS WILL NOT BE AUTHORIZED TO BE INSTALLED UNTIL ALL INSPECTIONS HAVE BEEN COMPLETED. ESTIMATED BILLS MAY ISSUE IF A HOME IS IDENTIFIED AS HAVING WATER SERVICE BUT NO METER HAS BEEN INSTALLED. IF NEW OWNERS, HOSE PARCELS ARE SOLD OFF AND TRANSFER TITLE, DO NOT CONTACT CLEVELAND WATER TO ESTABLISH ACCOUNTS IN THEIR NAME, ACCOUNTS AND THEIR ASSOCIATED BELLS WILL REMAIN IN THE NAME OF OUR LAST OWNER OF RECORD WHICH MAY BE THE DEVELOPER OR BUILDER. IT IS THE RESPONSIBILITY OF THE NEW OWNER TO TRANSFER ACCOUNTS INTO THEIR NAME WHEN THE PROPERTIES LEGALLY TRANSFER. LOCAL TRANSFER OF PROPERTY, SELLER OF PROPERTY MUST COMMUNICATE ALL UNCOMPLETED PORTIONS OF THE REFERENCED RESPONSIBILITIES TO THE NEW OWNER.
 - ONE INCH SERVICE CONNECTIONS SHALL BE PERMITTED TO SERVICE NEW HOMES (AS SHOWN ON APPROVED WATER MAIN EXTENSION PLANS) BASED ON THE FOLLOWING CRITERIA:
 - PEAK FLOW DEMANDS DO NOT EXCEED 20 GPM FOR AN INDIVIDUAL HOME/UNIT, INCLUDING ALL SAID DOMESTIC AND/OR INDUSTRIAL.
 - LENGTH OF ONE NEW CONNECTION DOES NOT EXCEED 15 FEET AS MEASURED FROM THE MAIN TO THE POINT OF ENTRY INTO THE PROPOSED HOME/UNIT.
 - THE CONNECTIONS DO NOT INCLUDE LIMITED AREA OR WPA 150 SPRINKLER SYSTEMS
 ANY SERVICE REQUESTS DIFFERING FROM THE STATED CRITERIA SHALL REQUIRE THE SUBMITTAL OF A COMPLETE WATER SERVICE APPLICATION FOR EACH WATER SERVICE REQUESTED.
 - ALL CURB VALVE BOXES & METER VALVES WILL BE INSTALLED IN GRASS AREAS WHEN POSSIBLE. CURB VALVES IN BASEMENTS SHALL BE PLACED APPROXIMATELY 3 FEET OFF THE WATER MAIN. IF VALVE BOXES OR METER VALVES ARE INSTALLED OUTSIDE OF A DEEPER PART OF HILL OR BASEMENT FOR THE PURPOSES OF WATER SUPPLY, A STANDARD CLEVELAND BASEMENT FOR A VALV SHALL BE PROVIDED.
 - SERVICE CONNECTIONS:**
 - IF A WATER MAIN OR SERVICE CONNECTION BREAK OCCURS DURING CONSTRUCTION AND EMERGENCY ASSISTANCE IS REQUIRED, PLEASE NOTIFY CLEVELAND WATER AT 216-664-3000. THIS LINE IS AVAILABLE 24/7/365.



- NOTES:**
- WATER MAIN SHALL BE DUCTILE IRON, MINIMUM CLASS 52, CEMENT LINED PUSH-ON JOINT PIPE WITH RETAINED MECHANICAL JOINT DUCTILE IRON CLASS 350, CEMENT LINE RETAINED MECHANICAL JOINT FITTINGS.
 - ALL FITTINGS MUST FOLLOW ANSI/AWWA C110/A2110 FOR FULL BODY FITTINGS AND ANSI/AWWA C153/A2115 FOR COMPACT FITTINGS.
 - ALL FITTINGS ARE NOT AVAILABLE FROM ALL APPROVED MANUFACTURERS.
 - WHERE LENGTH OF LOWERING UNDER OBSTRUCTION(S) REQUIRES AN INTERMEDIATE JOINT ONLY BETWEEN STATIONS "B" & "C", AND PIPE JOINTS ARE AS INDICATED IN NOTE "1" ABOVE, THAT INTERMEDIATE JOINT(S) SHALL BE MADE WITH A BOLTLSS RESTRAINED PUSH-ON JOINT, TYPE II.

DETAIL FOR WATER MAIN LOWERING USING MECHANICAL JOINT OFFSETS UNDER OBSTRUCTIONS LESS THAN 24" IN DIAMETER OR WIDTH FOR "NEW CONSTRUCTION"

STD-L06 - NOT TO SCALE - DATE: 12-3-2009 BY: RSK



- WATER MAIN TRENCH DETAILS**
- NOT TO SCALE -
- NOTES:**
- PREMIUM BACKFILL CONSISTING OF LOW STRENGTH MORTAR - CONTROLLED DENSITY FILL (LSM-CDF) "FLOWABLE FILL" IS REQUIRED.
 - A) UNDER ALL EXISTING OR FUTURE PAVEMENTS, SIDEWALKS AND DRIVES WITHIN THE CITY OF CLEVELAND CORPORATION LIMITS.
 - B) AS SPECIFIED IN LOCAL MUNICIPALITIES SERVED BY CWD (SEE LOCAL REQUIREMENTS)
 - WHEN PREMIUM BACKFILL IS REQUIRED BY THE LOCAL MUNICIPALITY FOR CASES OTHER THAN THOSE LISTED IN NOTE 1 ABOVE, IT SHALL BE LIMESTONE GRADED PER DDDT 304.02 OR DDDT 411. NO SLAG IS PERMITTED.
 - CONTRACTOR SHALL USE SPECIAL CARE IN PLACING THE SAND BEDDING, SO AS TO AVOID SCRAPING OF THE EXTERIOR COATING, INJURING THE PIPE, DISTORTING OR MOVING THE PIPE WHEN COMPACTING THE SAME. THE SAND BEDDING SHALL BE TAMPED IN SIX (6) INCH LAYERS, SIMULTANEOUSLY ON EACH SIDE OF THE PIPE, AND THOROUGHLY COMPACTED SO AS TO PROVIDE A SOLID BACKING AGAINST THE EXTERNAL SURFACE OF THE PIPE.
 - MINIMUM COMPACTION FOR ALL SAND BEDDING, BACKFILL AND PREMIUM BACKFILL SHALL BE 95% STANDARD PROCTOR.
 - PAVEMENT, SIDEWALK OR DRIVES TO BE INSTALLED IN ACCORDANCE WITH LOCAL MUNICIPALITY'S SPECIFICATIONS.

STD-001 - NOT TO SCALE - DATE: 6-21-2012

This document 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.

FOR REFERENCE ONLY

ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, and filing all existing conditions prior to proceeding with construction. Compliance with all applicable local, state, and federal building and accessibility codes, and existing Architectural Specifications or contracts.

Contractor shall construct the work in conformance with all applicable building codes.

Contractor is responsible for design and installation of property used and located thereon. Submitting drawings to architect for approval and comments to Architectural Design Office.

A written Architectural Specification was issued for this project and along with those printed documents constitutes the Contract Documents for this project. These documents are in compliance with the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and the conditions and have accepted all applicable work. Additional Architectural Specifications are available upon request.

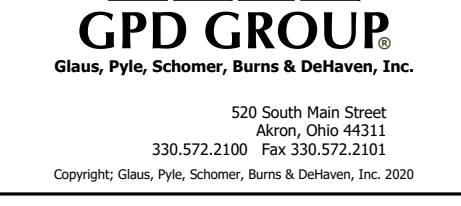
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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
CLEVELAND, OHIO 44113

DATE	ISSUED FOR
02/01/2019	PERMIT/PLANNING SUBMITTAL
03/04/2019	PROGRESS - NOT FOR CONSTRUCTION
03/12/2019	100% APPROVAL
06/20/2019	100% DESIGN DEVELOPMENT
06/20/2019	100% RELEASE 2
10/14/2019	100% RELEASE 1 UPDATE
12/10/2019	FOUNDATION PERMIT
01/15/2020	100% DO PROGRESS
02/14/2020	100% DO PROGRESS
03/13/2020	BUILDING PERMIT
03/17/2020	100% COMMENTS
04/28/2020	CITY COMMENTS
05/01/2020	FOUNDATION IFC PROGRESS SET
05/15/2020	FOUNDATION IFC

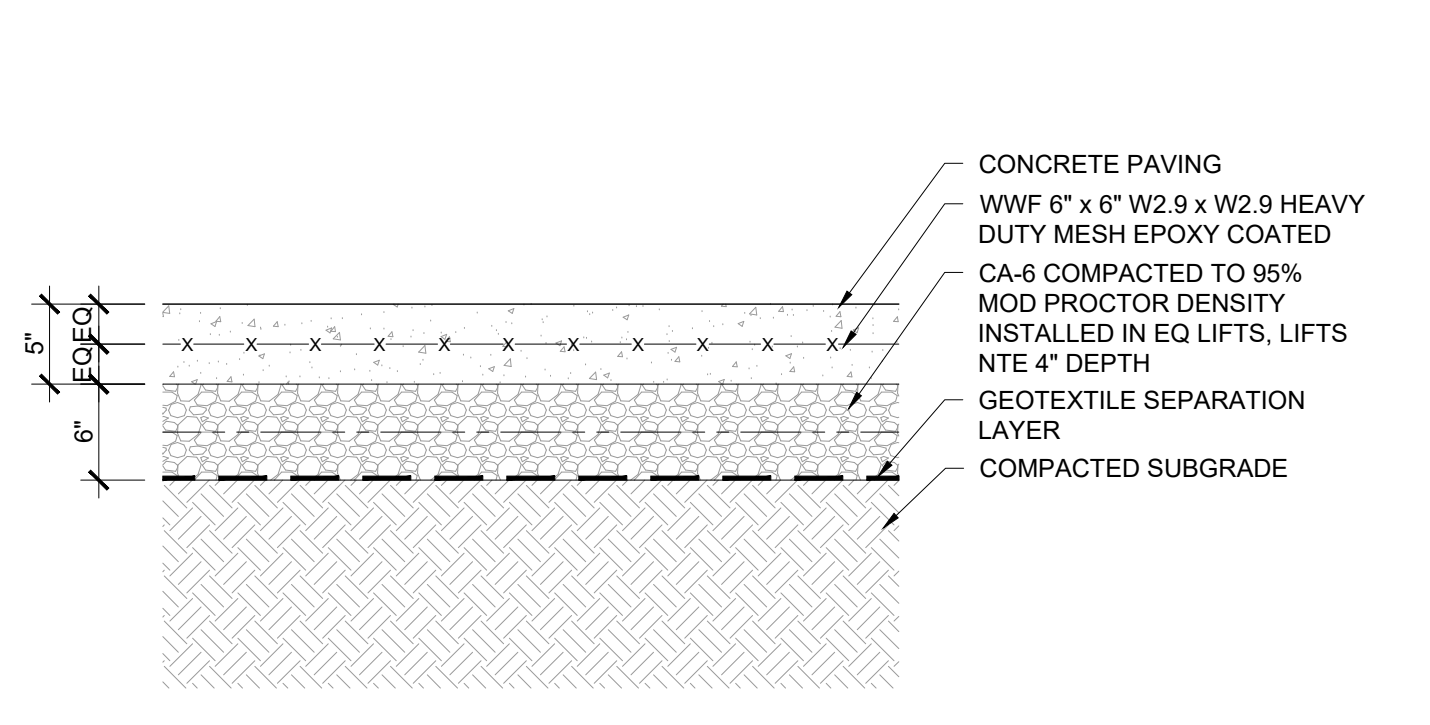
GPD PROJECT NO.
20183500



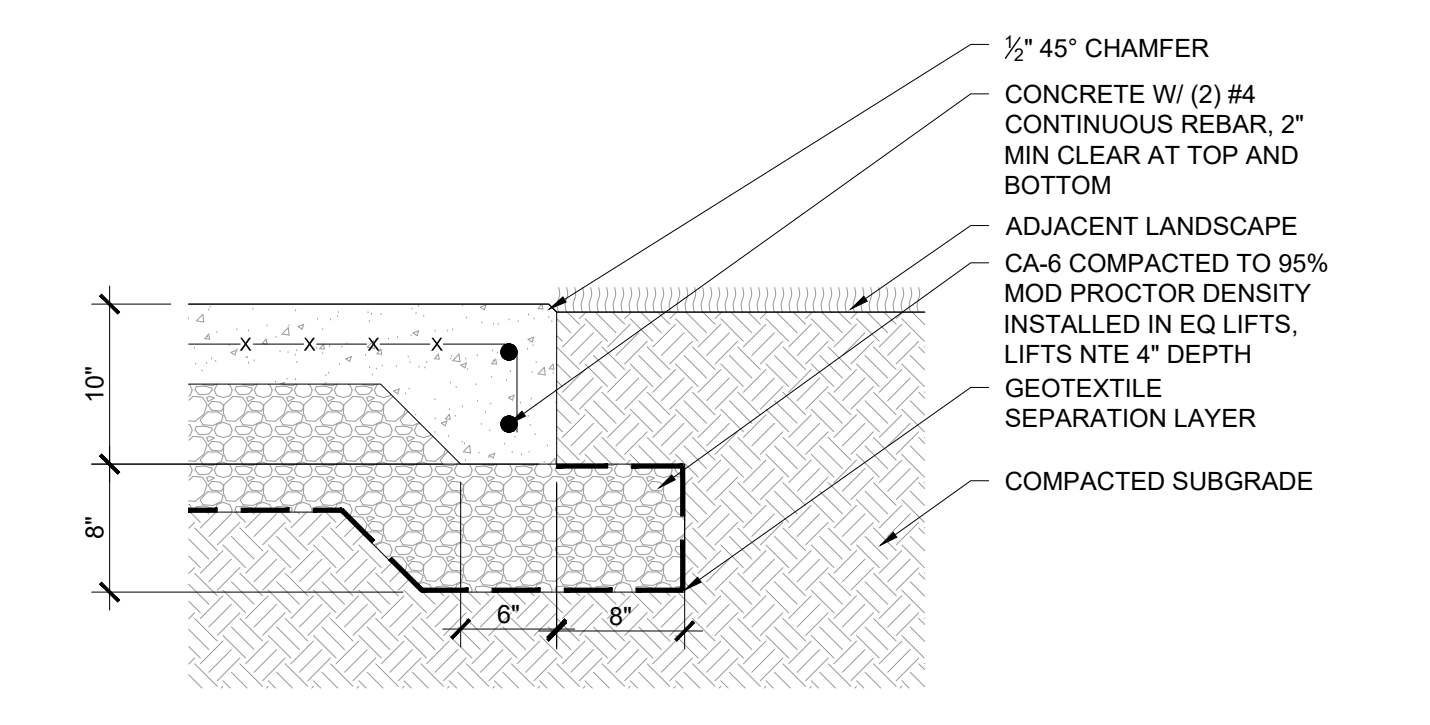
PROJ. # 1818 SCALE: As indicated
DN: BY: RP

CITY OF CLEVELAND DETAILS

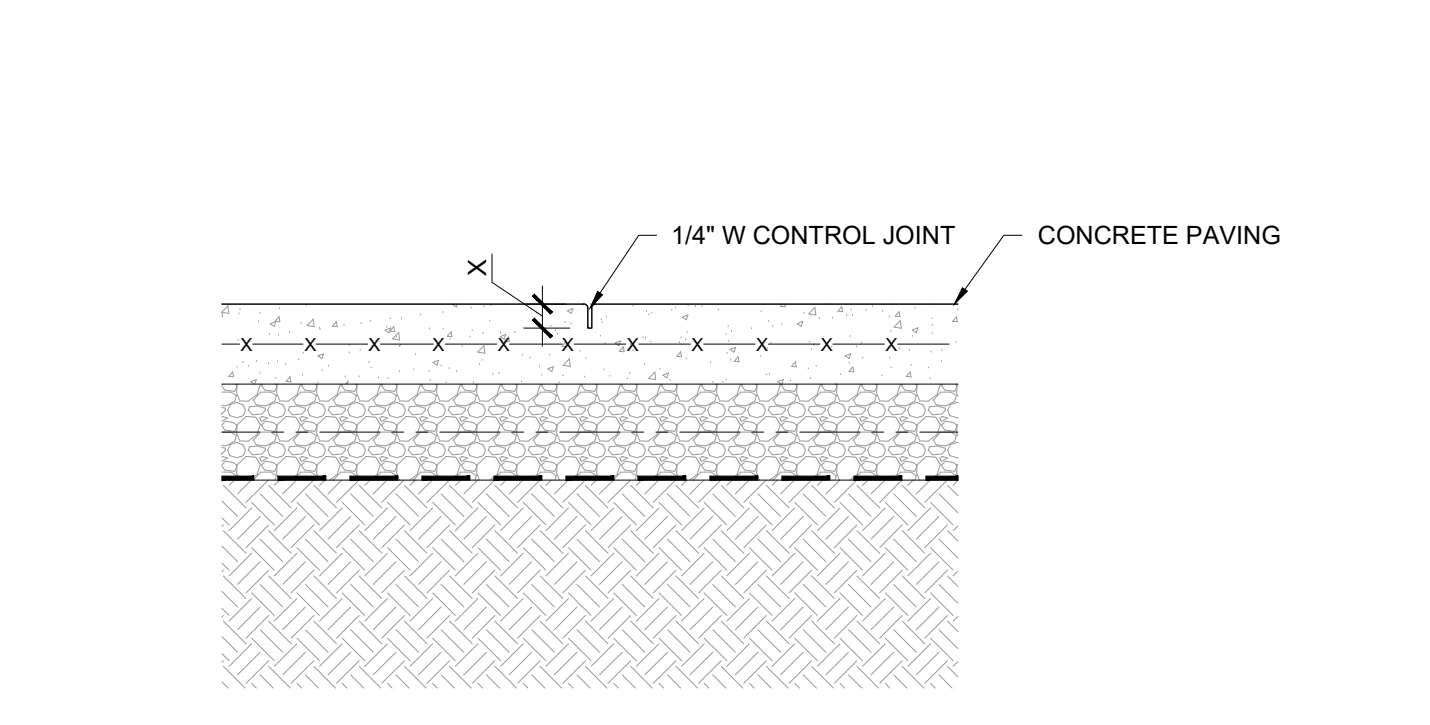
C-503



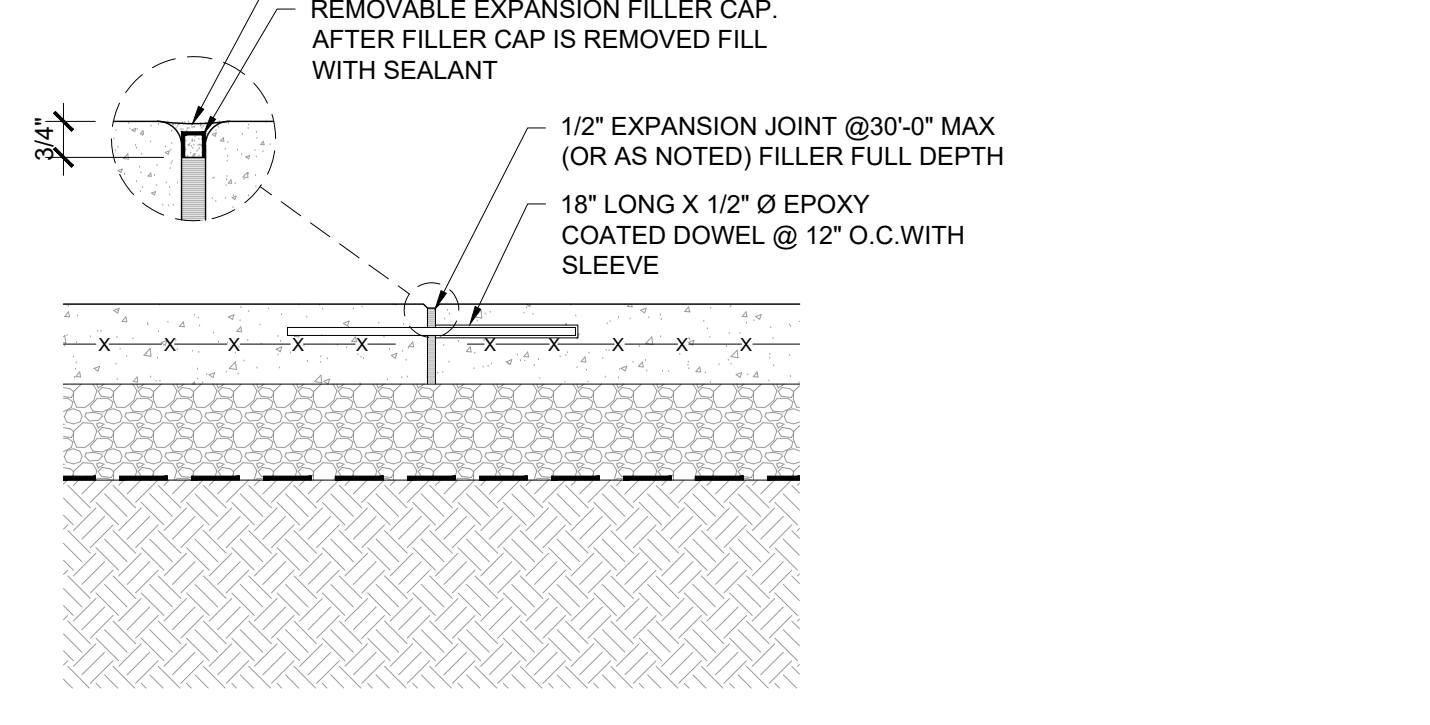
1 PEDESTRIAN CONCRETE PAVING SECTION
1" = 1'-0"



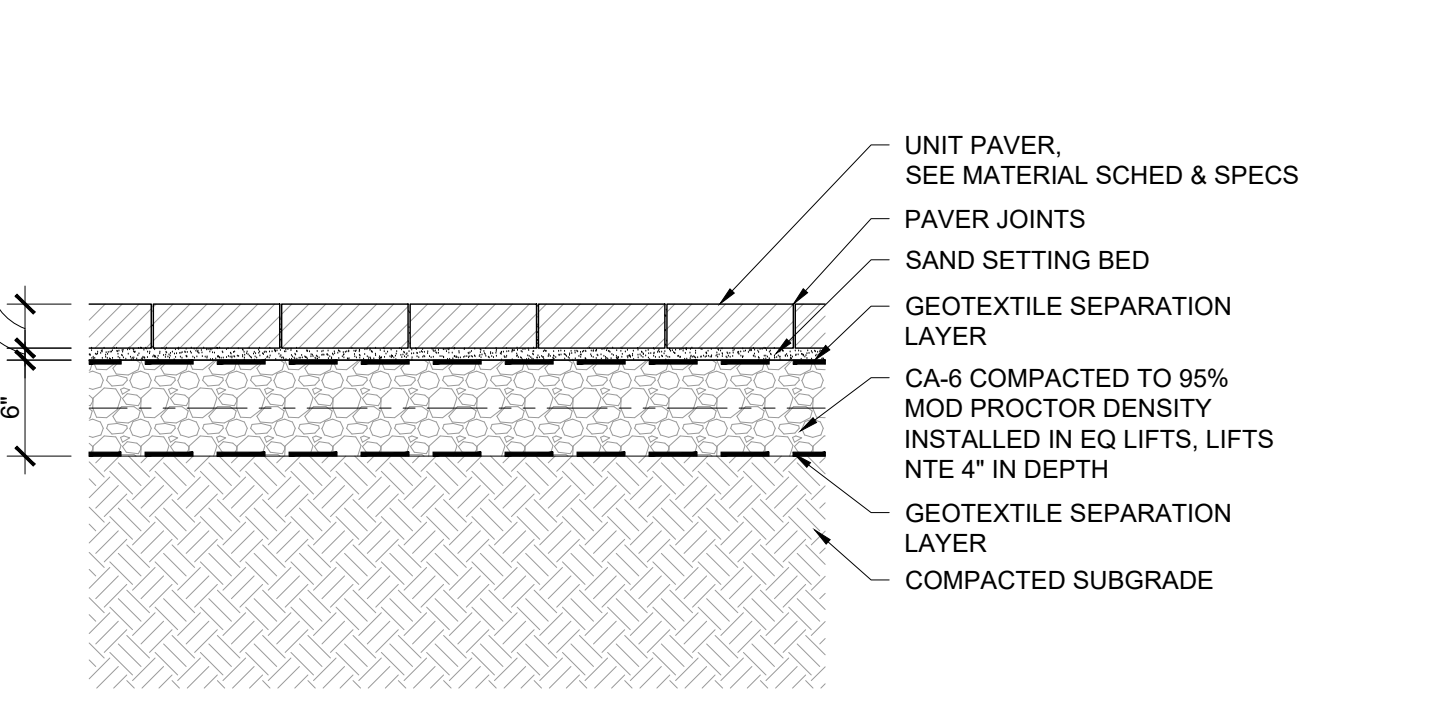
2 THICKENED CONCRETE EDGE TO LANDSCAPE SECTION
1" = 1'-0"



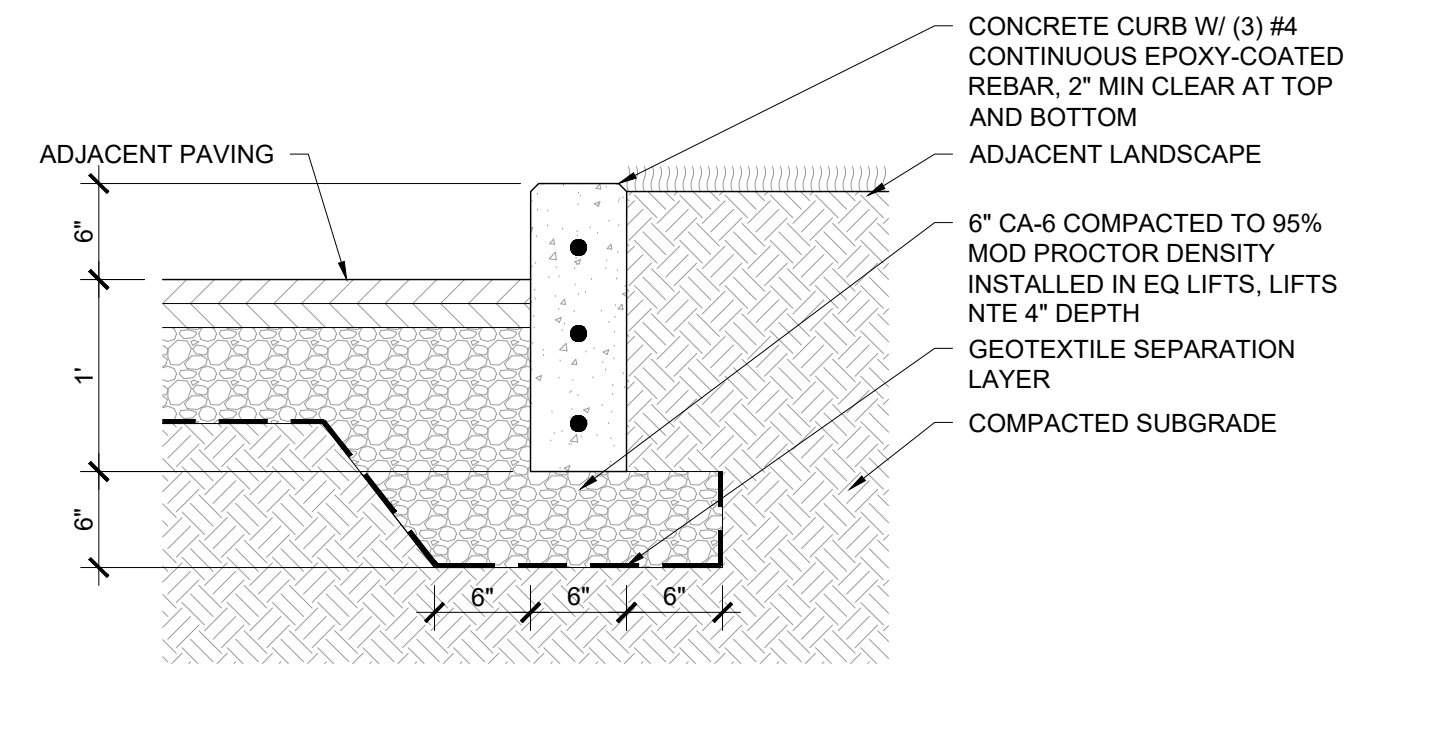
3 SAWCUT CONTROL JOINT SECTION
1" = 1'-0"



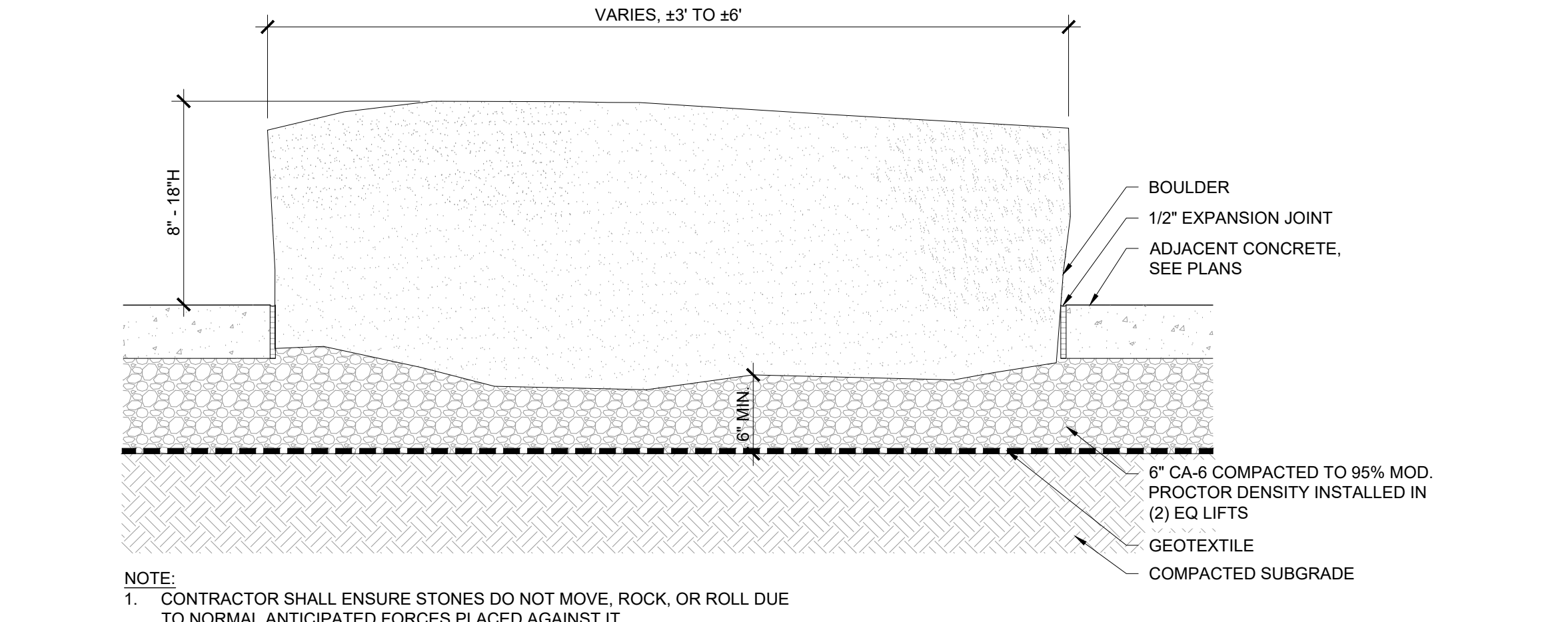
4 EXPANSION JOINT SECTION
1" = 1'-0"



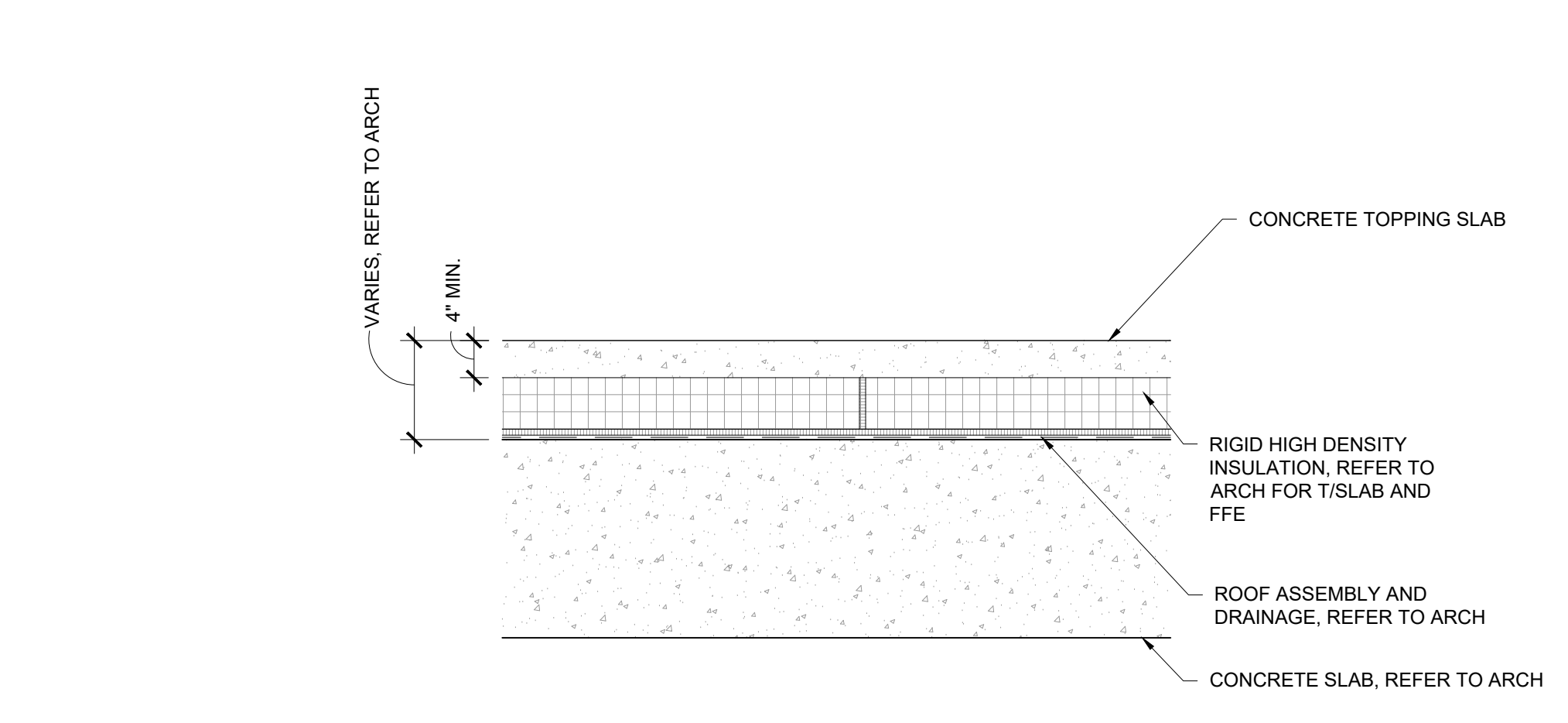
5 PEDESTRIAN UNIT PAVERS W/ SAND SETTING BED SECTION
1" = 1'-0"



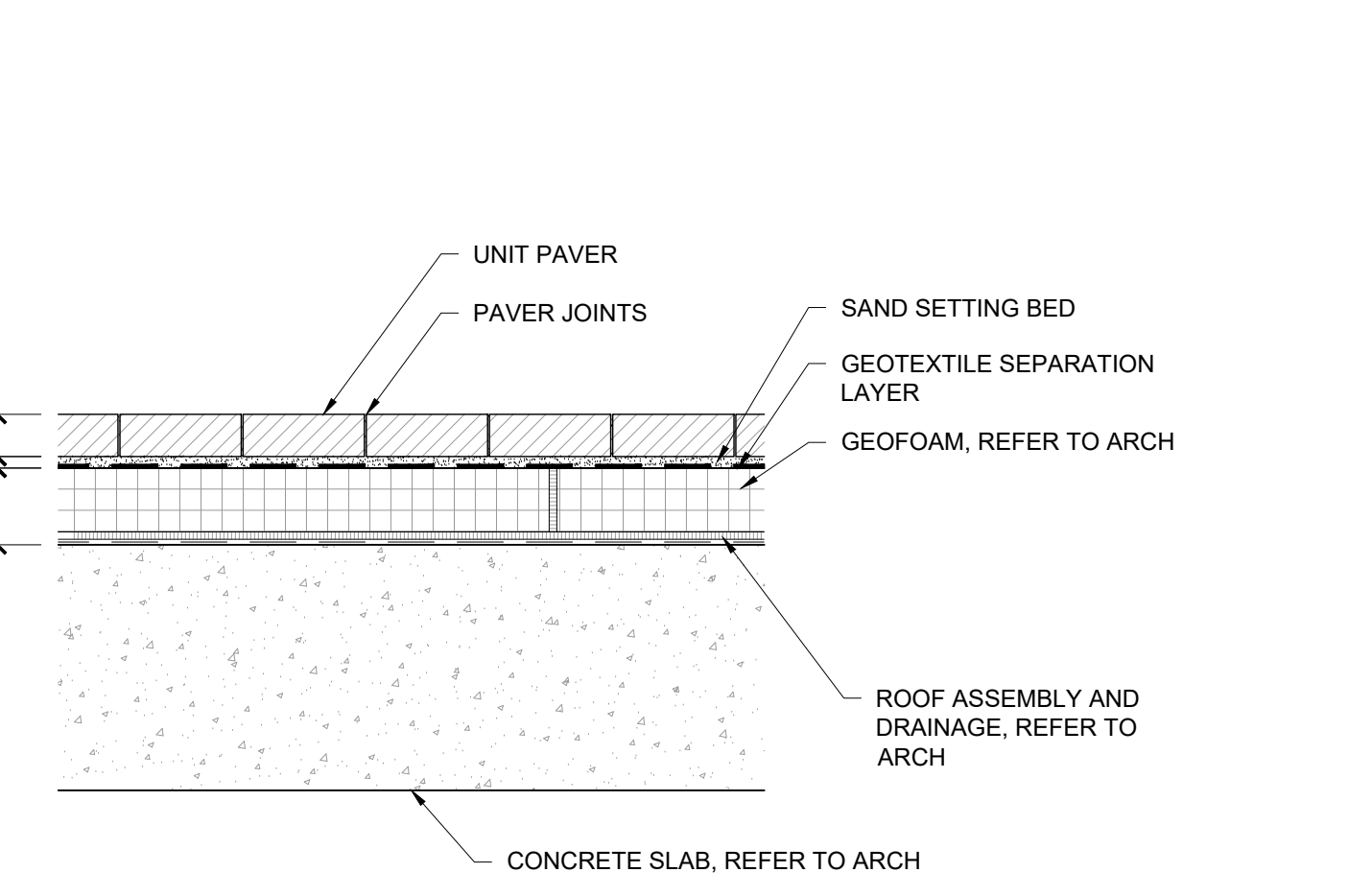
6 6" RAISED CONCRETE CURB SECTION
1" = 1'-0"



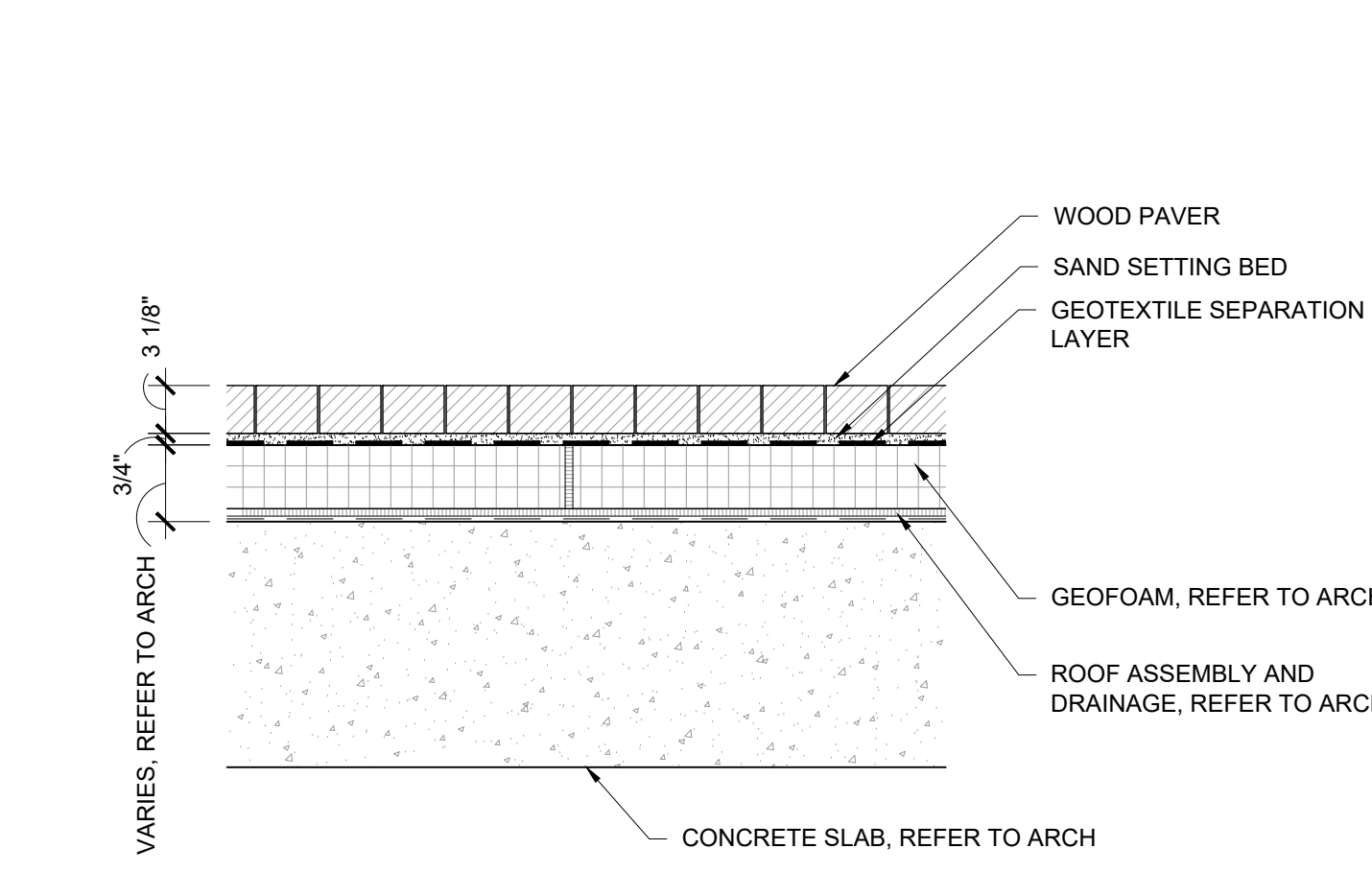
7 DOG AREA OUTCROPPING STONE
1" = 1'-0"



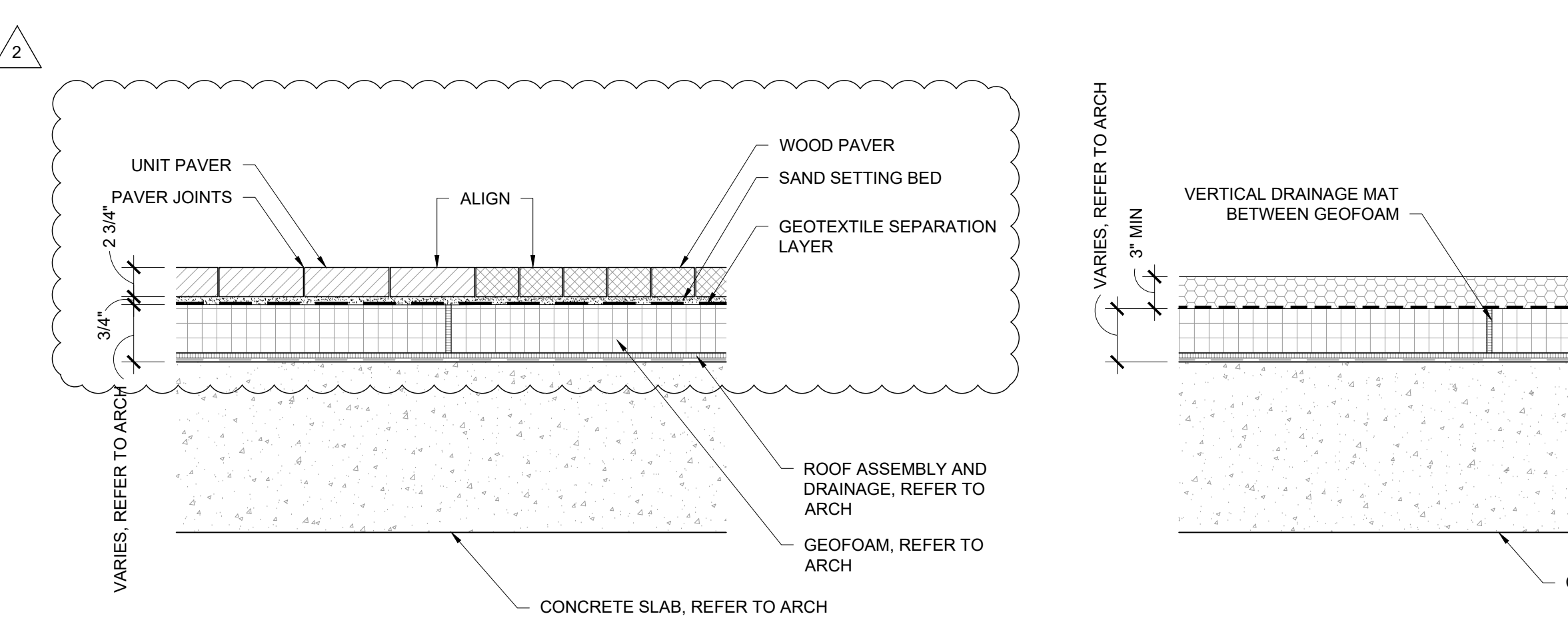
8 CONCRETE TOPPING SLAB ON STRUCTURE SECTION
1" = 1'-0"



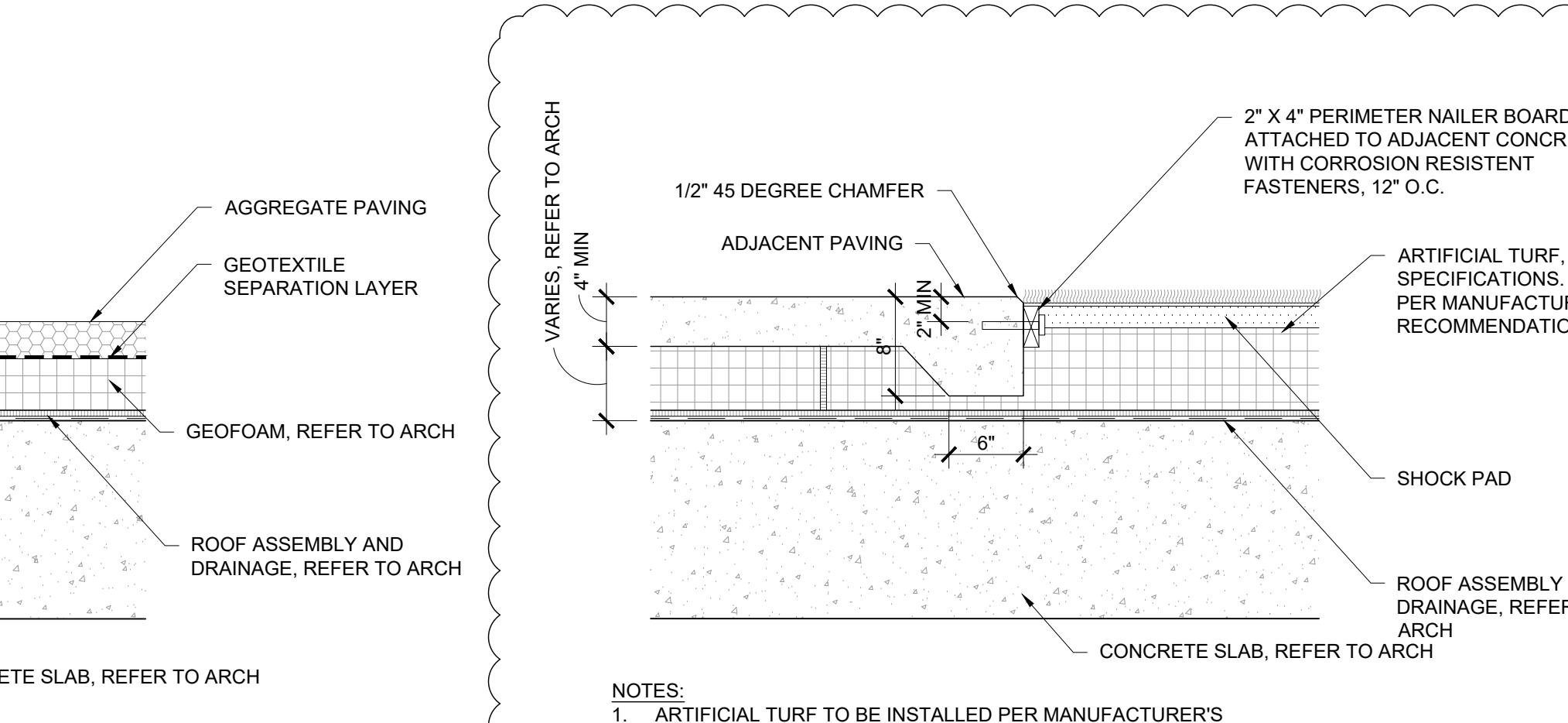
9 PEDESTRIAN UNIT PAVERS ON STRUCTURE W/ SAND SETTING BED SECTION
1" = 1'-0"



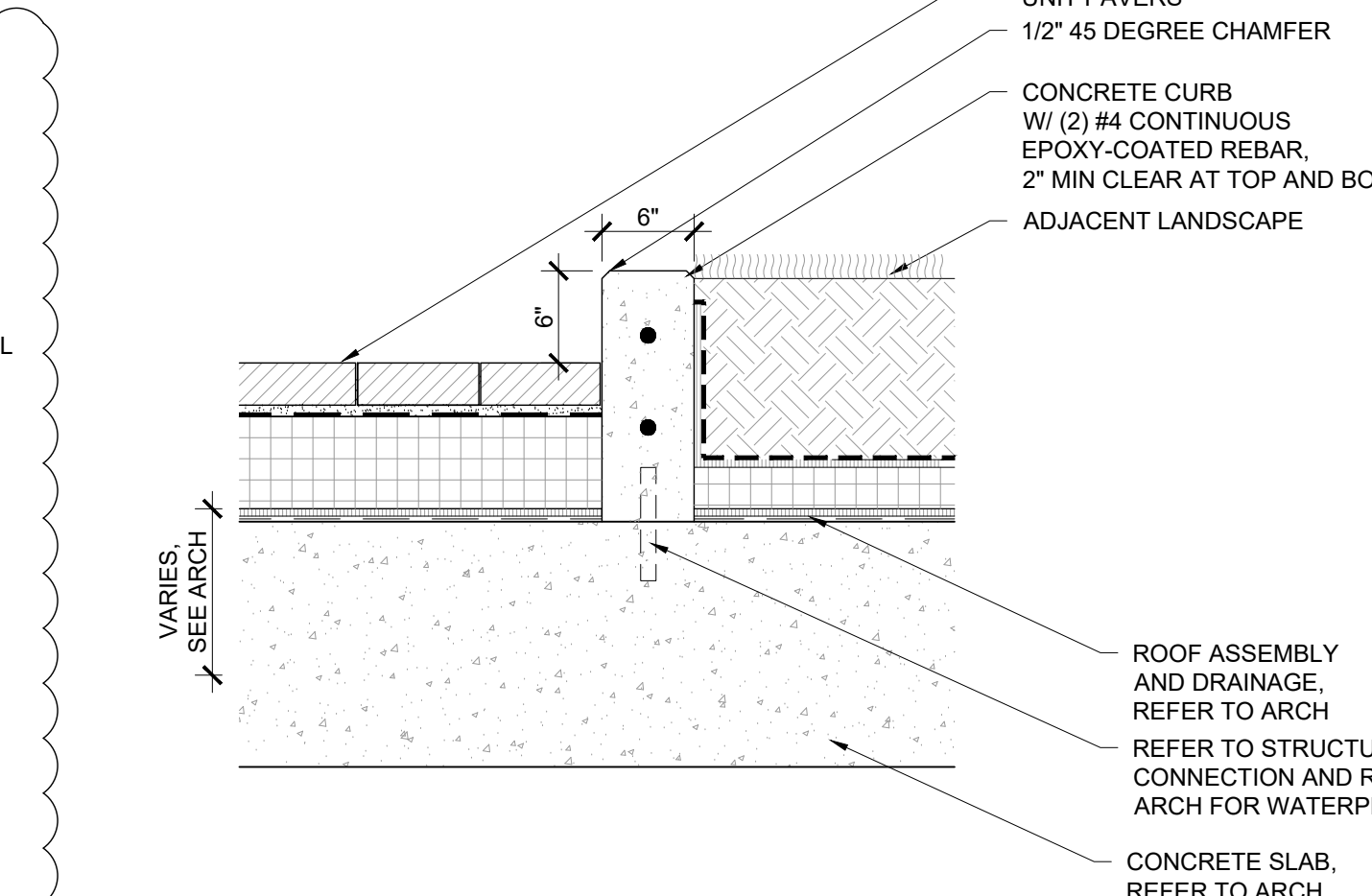
10 WOOD PAVER SECTION
1" = 1'-0"



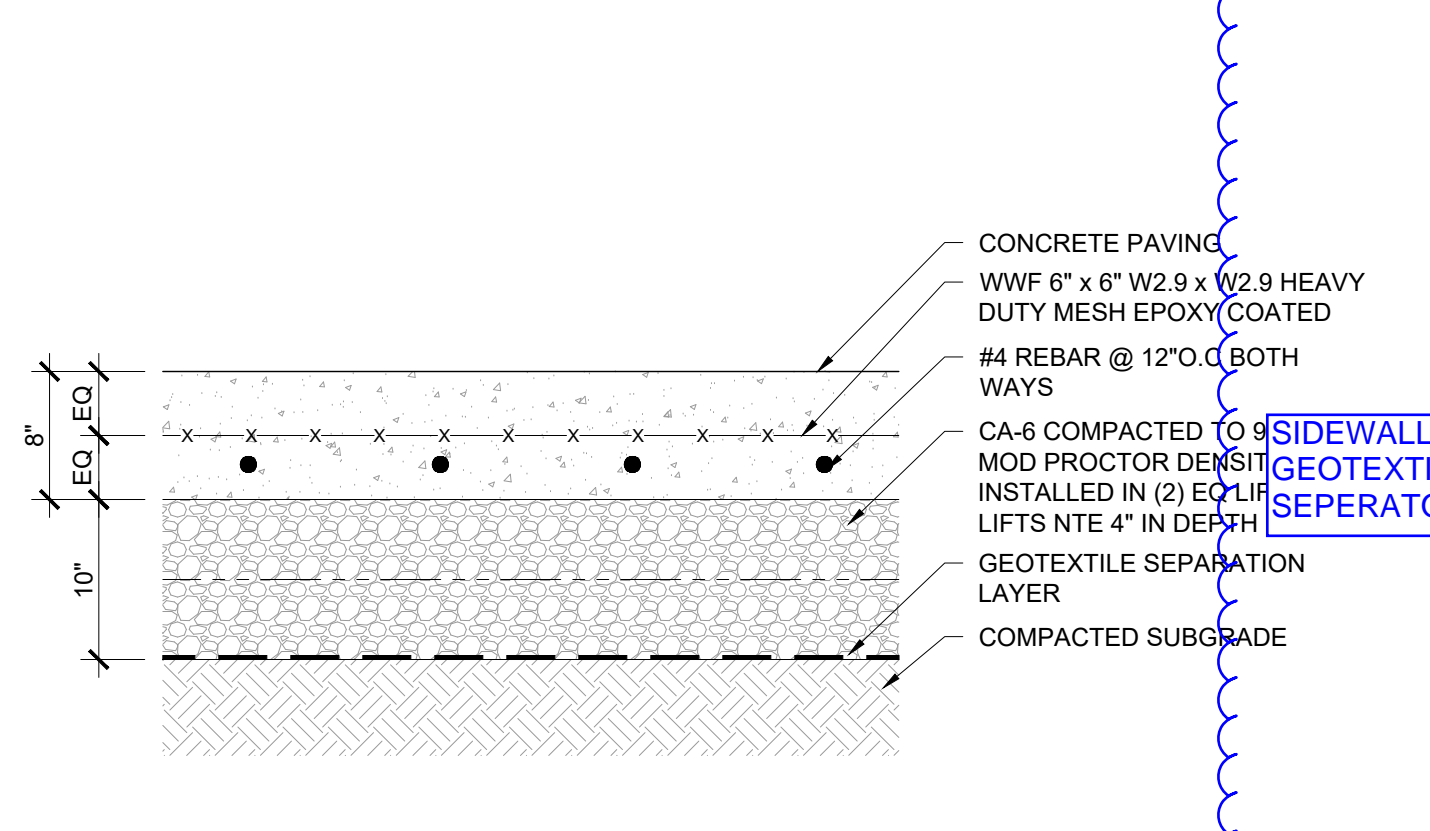
11 PEDESTRIAN UNIT PAVERS @ WOOD PAVERS ON SAND SETTING BED SECTION
1" = 1'-0"



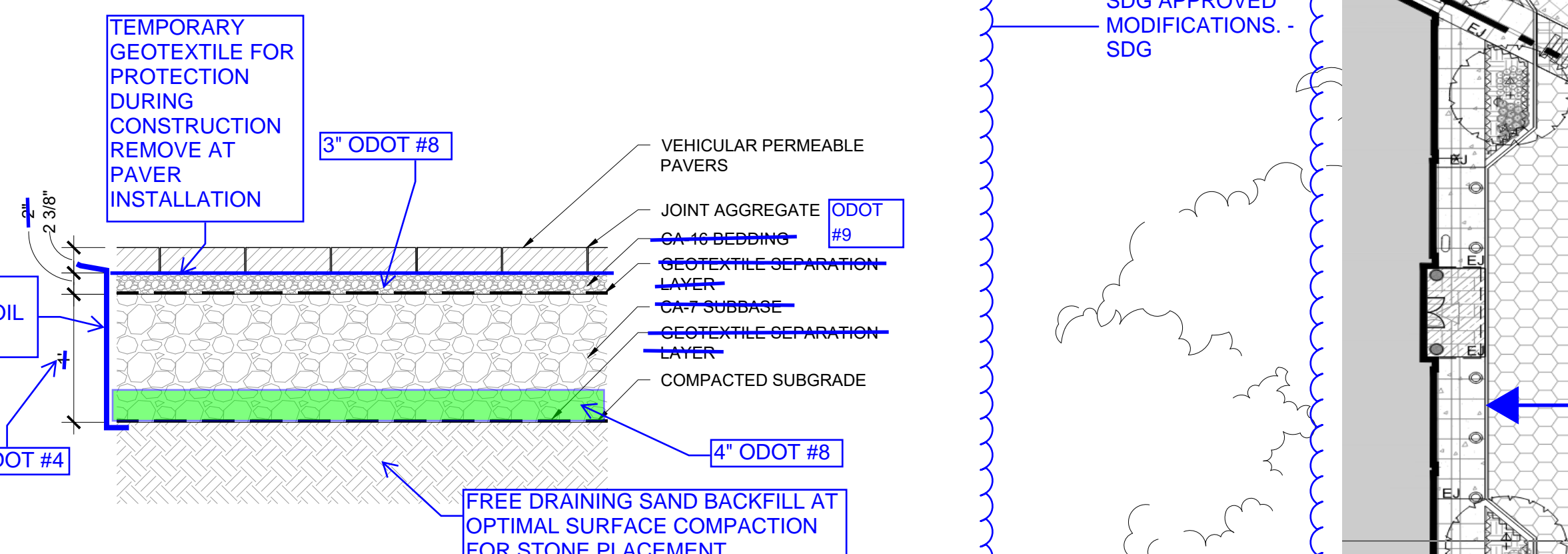
13 ARTIFICIAL TURF @ SLAB SECTION
1" = 1'-0"



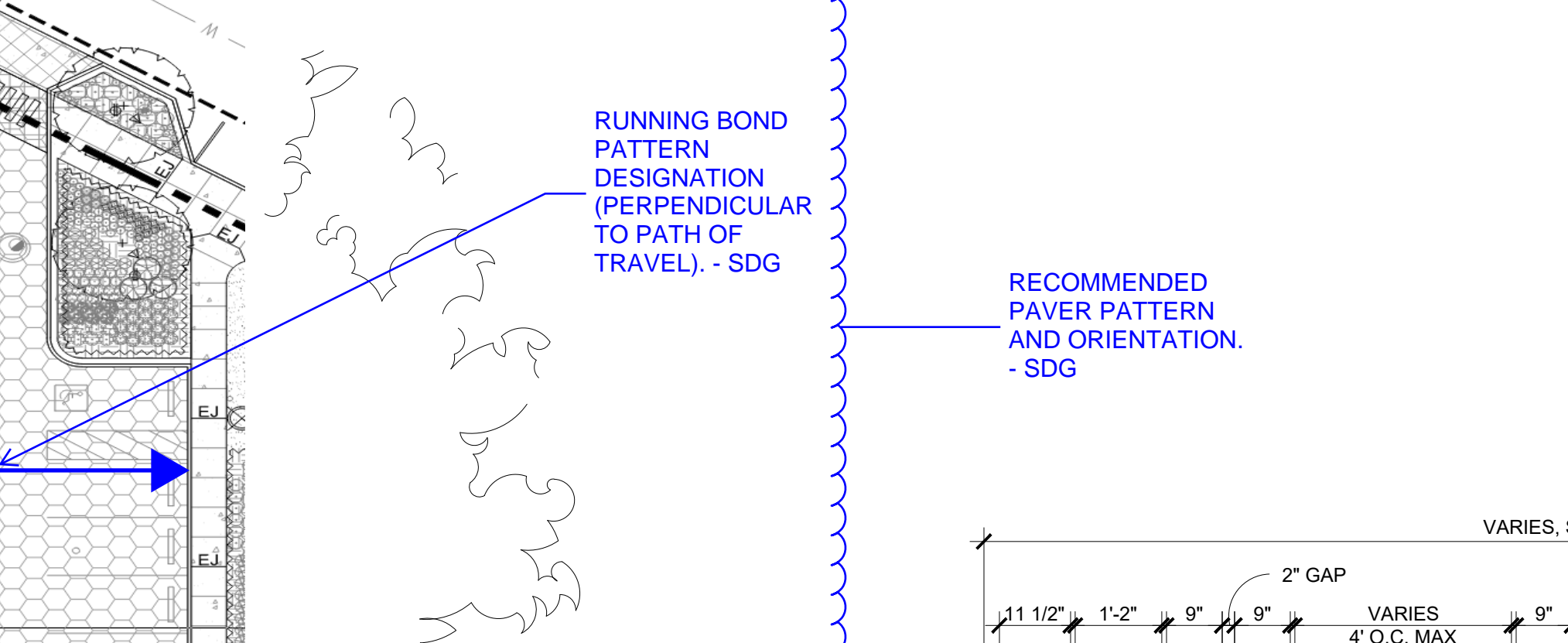
14 6"H RAISED CONCRETE CURB SECTION
1" = 1'-0"



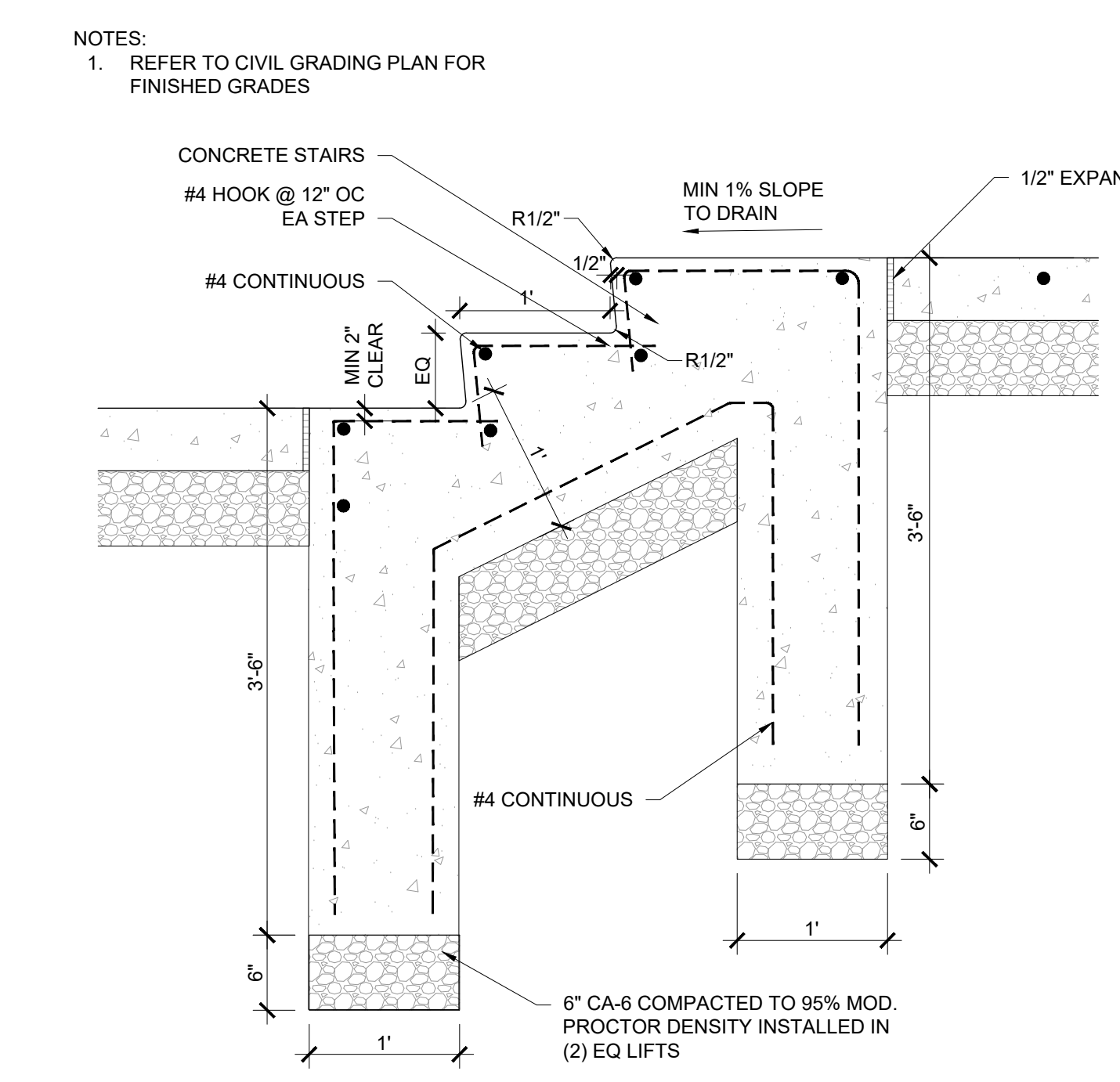
15 VEHICULAR CONCRETE PAVING SECTION
1" = 1'-0"



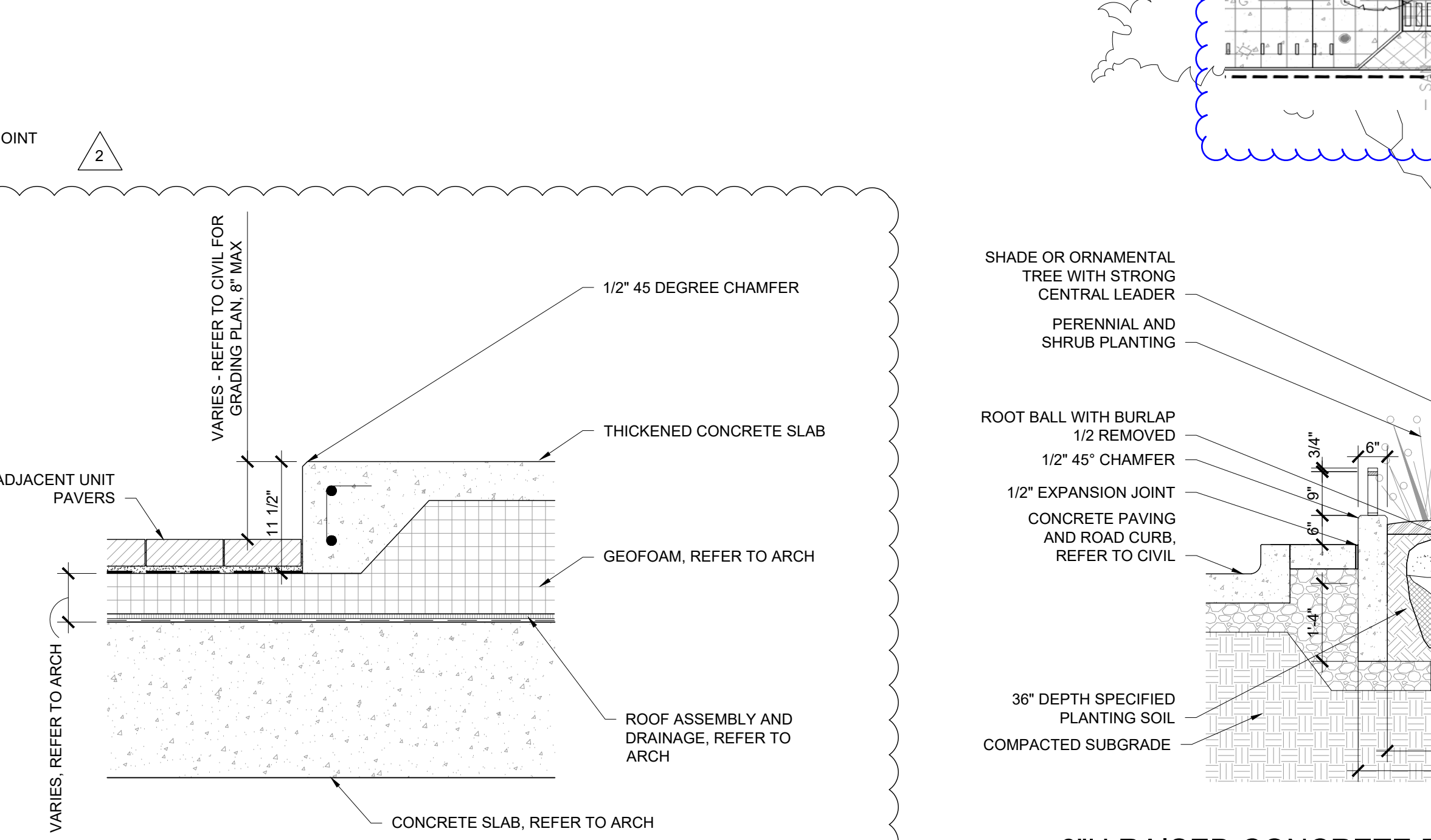
16 PERMEABLE UNIT PAVER SECTION
1" = 1'-0"



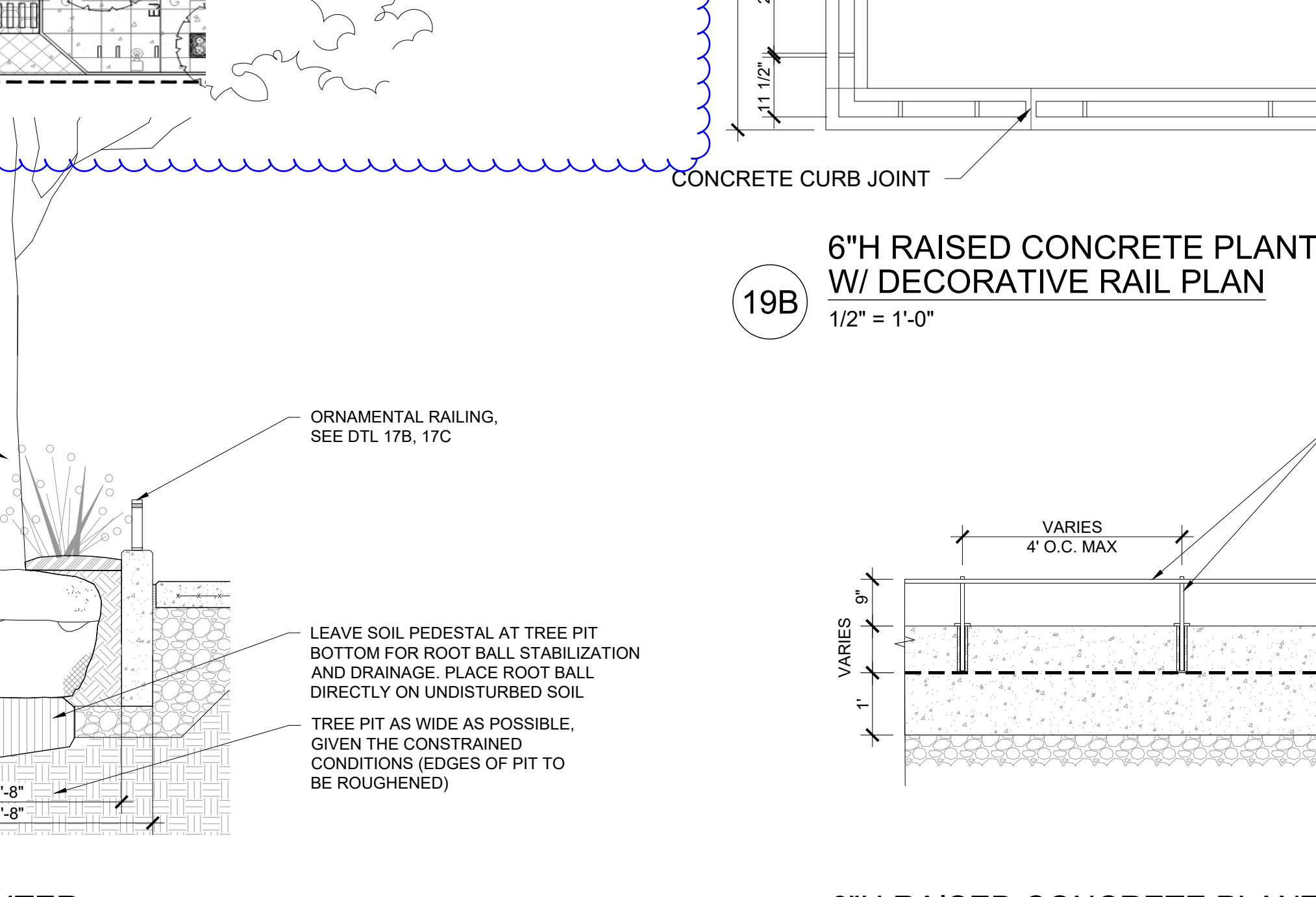
12 AGGREGATE PAVING SECTION
1" = 1'-0"



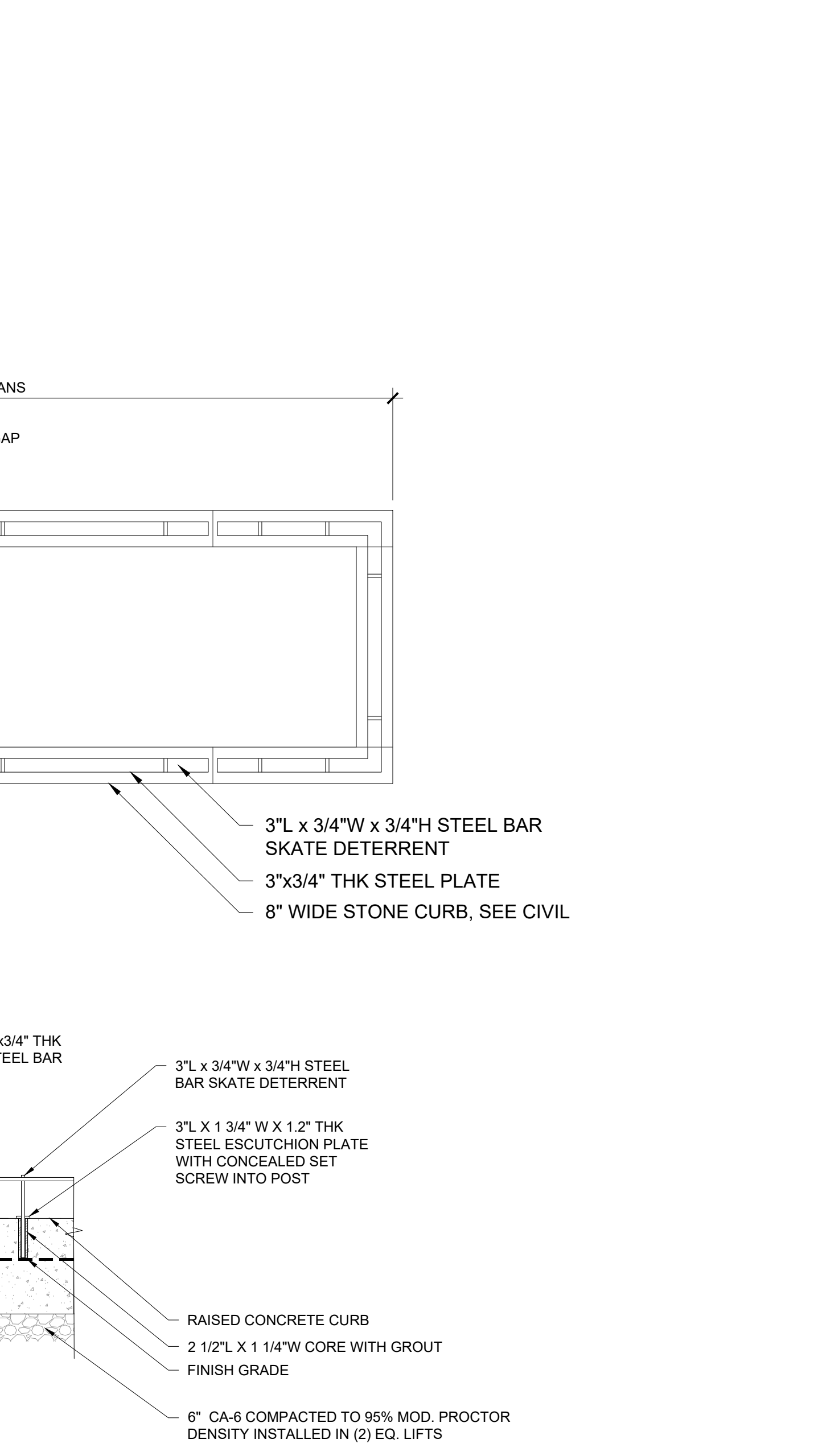
17 CONCRETE TERRACE STEPS
1" = 1'-0"



18 EXPOSED CONCRETE THICKENED EDGE SECTION
1" = 1'-0"



19A 6"H RAISED CONCRETE PLANTER W/ DECORATIVE RAIL SECTION
1/2" = 1'-0"



19C 6"H RAISED CONCRETE PLANTER W/ DECORATIVE RAIL SECTION
1/2" = 1'-0"

AREA FOR CITY APPROVAL STAMP



ARCH. EL: 0' - 0" = 682.10'

Contractor shall be responsible for reviewing all Plans and Specifications, verifying all existing conditions prior to commencing work, and ensuring compliance with all applicable codes, laws, and regulations, and obtaining all necessary permits and approvals from all applicable authorities. Contractor shall coordinate the work in accordance with all applicable building codes.

Contractor is responsible for design and installation of property lines and boundary markers. Contractor shall ensure that all work is completed in accordance with the approved design and specifications. A written Affidavit of Completion shall be provided to the City of Cleveland upon completion of the project. By submitting a bid for this work, the Contractor and all subcontractors agree that they have reviewed the entire Contract Documents and the conditions and have accepted the conditions and have agreed to the terms and conditions of the Contract Documents and the conditions and have accepted the conditions and have agreed to the terms and conditions of the Contract Documents.

Hardcore Products, LTD shall retain all copyright, design and other intellectual property rights in and to the design and construction documents, including all drawings, plans, specifications, and other documents, and shall retain the right to use the design and construction documents for any other project without the written consent of the Contractor. The Contractor shall indemnify and hold Hardcore Products, LTD harmless from and against all claims, damages, losses, and expenses, including reasonable attorneys' fees, arising out of or from the design and construction of the project, whether or not such claims, damages, losses, and expenses are caused in whole or in part by the negligence of Hardcore Products, LTD.

ISSUANCES	
DATE	ISSUED FOR
06/12/2020	CONSTRUCTION
05/12/2020	FOUNDATION I/F
05/01/2020	FOUNDATION I/F PROGRESS SET
03/13/2020	BUILDING PERMIT
02/14/2020	100% CD
01/15/2020	75% DD PROGRESS
11/22/2019	BID RELEASE 3
05/20/2019	100% DESIGN DEVELOPMENT
03/12/2019	SD APPROVAL
02/25/2019	PROGRESS - NOT FOR CONSTRUCTION
02/01/2019	ENTITLEMENT SUBMITTAL
11/27/2018	ENTITLEMENT SUBMITTAL

site design group, Inc.

 880 West 10th Street, Suite 400, Cleveland, OH 44115

 1.312.427.7248 www.site-design.com

 Landscape Architect

PROJ: #1336

 DRAWN BY: YS02

 CHECKED BY: P98M

HARDSCAPE DETAILS

L-503A