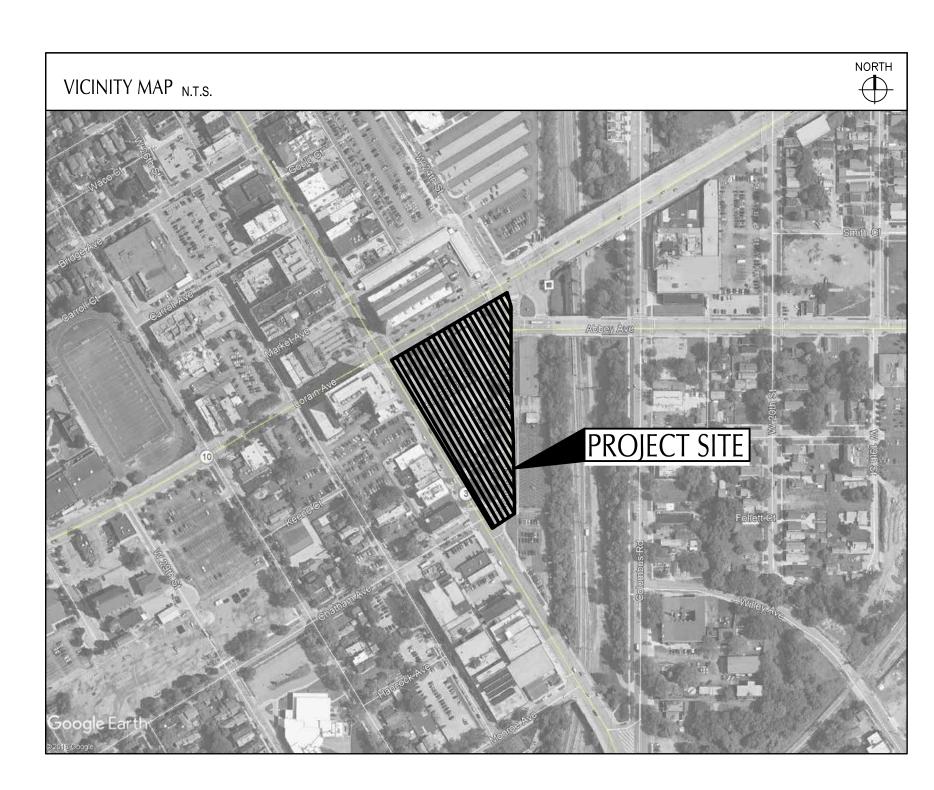
SITE IMPROVEMENT PLAN INTRO CLEVELAND

CLEVELAND, OHIO FOUNDATION IFC SET - MAY 15, 2020



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ARCH. EL: 0' - 0" = 682.10' Contractor shall be responsible for reviewing all Plans and Specifications, verifying

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

Contractor is responsible for design and installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity 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. Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request.

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE

CLEVELAND, OHIO 44113

ISSUED FOR 02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION

05/20/2019 50% DESIGN DEVELOPMENT 08/29/2019 BID RELEASE 3 10/14/2019 BID RELEASE 1 UPDATE 12/10/2019 FOUNDATION PERMIT

01/15/2020 75% DD PROGRESS

02/14/2020 100% DD PROGRESS

03/13/2020 BUILDING PERMIT

03/17/2020 WPC COMMENTS

04/28/2020 CITY COMMENTS

05/01/2020 FOUNDATION IFC PROGRESS SET

GPD PROJECT NO. 2018350.00

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TITLE SHEET

SCALE: As indicated DN. BY: NG

DEMOLITION NOTES	GENERAL PLAN NOTES	GRADING PLAN NOTES	GENERAL LEGEND	
CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY DEMOLITION PROCESS. CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE	PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND	A SUBSURFACE EXPLORATION REPORT HAS BEEN PREPARED BY INTERTEK PSI, DATED 10-9-2018 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.	GENERAL LEGEND	
CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC CURRENT STATE'S EPA OR LOCAL GOVERNING AUTHORITIES AIR PERMITS FOR INSTALLATION AND OPERATION. CONTRACTORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING GOVERNING BODIES. FOR DEMOLITION OF ALL COMMERCIAL SITES. A NOTIFICATION FOR RESTORATION AND	THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.	BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), LANDSCAPE PLAN AND SUBSURFACE EXPLORATION REPORT FOR	EXISTING IRON PIN FOUND AS NOTED EXISTING MONUMENT BOX FOUND AS NOTED	
DEMOLITION MUST BE SUBMITTED TO THE CURRENT STATE'S EPA AND LOCAL GOVERNING AUTHORITIES TO DETERMINE ANY CORRECTIVE ACTIONS THAT MAY BE REQUIRED.	2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR "GEOTECHNICAL ENGINEER" AND "SUBSURFACE EXPLORATION REPORT" NOTES.	TREATMENT OF EXISTING GRADE. 2. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT	EXISTING LIGHT POLE	
 DEMOLITION INCLUDES THE FOLLOWING: A.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE). DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS. 	3. 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	SILTATION FROM LEAVING THE SITE AT ALL TIMES. 3. STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE	EXISTING POWER POLE EXISTING POWER & TELEPHONE POLE	
2.C. DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE). 3. REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND	REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.	TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE SUBSURFACE EXPLORATION REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.	EXISTING POWER & TELEPHONE POLE EXISTING LIGHT & TELEPHONE POLE	AREA FOR CITY APPROVAL STAMP
TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND	THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION	4. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.	EXISTING TELEPHONE POLE	AMENTON ON THE PROPERTY OF THE
PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED. 4. PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE ENGINEER OR OWNER, ITEMS MAY BE REMOVED TO A	WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED	5. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SUBSURFACE EXPLORATION REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS	EXISTING POWER & LIGHT POLE EXISTING POWER, TELEPHONE & LIGHT POLE	
SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. 5. CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT	UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.	SPECIFIED IN THE SUBSURFACE EXPLORATION REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SUBSURFACE EXPLORATION REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.	EXISTING ELECTRIC METER EXISTING ELECTRIC MANHOLE	
MANAGER INCLUDING THE FOLLOWING: 5.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY. 5.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.	 5. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS. 6. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S 	OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. 6. AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 100% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-698. MOISTURE CONTENT	EXISTING ELECTRIC MANHOLE EXISTING TRANSFORMER	
5.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.	REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION. 7. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE	AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE SUBSURFACE EXPLORATION REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE SUBSURFACE EXPLORATION REPORT, MAKE GEOTECHNICAL	e EXISTING ELECTRIC PULLBOX	
6. COMPLY WITH GOVERNING AUTHORITIES NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.	SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS). 8. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO	RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION	EXISTING SIGNAL POLE EXISTING SIGNAL PULL BOX	
 STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES 	REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE	REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SUBSURFACE EXPLORATION REPORT.	EXISTING TRAFFIC CONTROLLER BASE EXISTING TRAFFIC CONTROLLER POLE	
SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.	SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS). 9. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL PROJECT AND THE SAME	NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND. 7. FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN	EXISTING TRAFFIC CONTROLLER POLE EXISTING CATCH BASIN	
9. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW	RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR THE ENGINEER AND THE SUBCONTRACTOR. 10. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS,	ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS,	EXISTING CURB INLET EXISTING UNKNOWN MANHOLE	
THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY COMPANY.	METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. 11. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN ATTAINED	BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE. 8. ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE	© EXISTING SANITARY MANHOLE	
10. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT	FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURE'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION	UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW	EXISTING FIRE HYDRANT EXISTING WATER METER	
ADA REGULATIONS. 11. USE OF EXPLOSIVES WILL NOT BE PERMITTED.	OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN, IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE	NEGATIVE GRADES OR PONDING OF WATER. 9. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).	EXISTING WATER VALVE	
12. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.	RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL. THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE	10. WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.	EXISTING WATER SERVICE VALVE	
13. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.	NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK. 12. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS,		© EXISTING GAS METER	
14. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.15. NO BURING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.	STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.		EXISTING GAS SERVICE METER EXISTING TELEPHONE PEDESTAL	
16. IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER.	13. THE A.L.T.A. SURVEY BY GPD GROUP, DATED 11-14-18 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.		EXISTING TELEPHONE MANHOLE [tv] EXISTING CABLE TV PEDESTAL	
17. SURVEY THE CONDITION OF THE STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.	14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS, SITE RECORDS, ETC. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO		© EXISTING POST OR BOLLARD	
18. DEMOLISH BUILDING AND STRUCTURAL PADS COMPLETELY AND REMOVE FROM THE SITE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:	STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. 15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED	UTILITY NOTES	 → EXISTING SIGN Æ EXISTING CLEANOUT 	
A. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. B. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS. C. BREAK UP AND REMOVE CONCRETE SLABS ON GRADE.	ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK	<u>UTILITIES</u>	EXISTING GUY WIRE 连 EXISTING YARD LIGHT	
19. DEMOLISH FOUNDATION WALLS AND OTHER BELOW-GRADE DEMOLITION. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, AND BELOW GRADE STRUCTURAL SLABS.	HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.	ALL LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE UTILITY INFORMATION AS SHOWN. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.	EXISTING PARKING METER EXISTING SOIL BORING	
20. FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES AND PAVEMENTS WITH SOIL MATERIALS ACCORDING TO THE REQUIREMENTS STATED HEREIN AND IN ACCORDANCE WITH A GEOTECHNICAL ENGINEER. (SEE	16. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF	LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:	EXISTING CONCRETE PAD/AREA	
ALSO GRADING PLAN NOTES). CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO FILLING ANY AREAS. CONTRACTOR SHALL CONTACT ENGINEER TO OBSERVE FILL PROCEDURES. 21. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE	CONSTRUCTION.	AT&T OHIO DIVISION OF CLEVELAND NEORSD	 — P / L — EXISTING PROPERTY LINE — R/W — EXISTING RIGHT OF WAY LINE 	
WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY		AT&T OHIO 13630 LORAIN AVE 2ND FLOOR CLEVELAND, OH 44111 ATTN: GARY SAYLOR ATTN: STANLEY MANNING PUBLIC POWER 13900 EUCLID AVE., CLEVELAND, OH 44115 CLEVELAND, OH 44114 ATTN: MARY MACIEJOWSKI ATTN: STANLEY MANNING OFFICE: 216-881-6600	——————————————————————————————————————	
GOVERNING REGULATIONS. 22. CONTRACTOR TO SAWCUT EXISTING PAVEMENT TO REMAIN PRIOR TO CURB, GUTTER, PAVEMENT, ETC REMOVAL.		OFFICE: 216-476-6265 OFFICE: 216-664-3922 x 152 CLEVELAND WATER DEPARTMENT CLEVELAND WATER DEPARTMENT OFFICE: 216-664-3922 x 152	———— GAS ———— EXISTING UNDERGROUND GAS LINES	
		1201 LAKESIDE AVE., 6TH FLOOR DOMINION EAST OHIO GAS CLEVELAND, OH 44114 320 SPRINGSIDE DR., SUITE 320 ATTN: RASHEED WARITH AKRON, OHIO 44333 STRONGSVILLE, OH 44136	——————————————————————————————————————	
CITY SPECIFICATION REFERENCE REFERENCE TO SPECIFICATION ITEMS (D-#) SHALL BE CONSTRUED TO BE THE CITY OF CLEVELAND DETAILED SPECIFICATIONS. REFERENCE TO SPECIFICATION ITEMS (DS-#) SHALL BE	SITE PLAN NOTES	OFFICE: 330-664-4456 OFFICE: 216-555-5032 FIRST ENERGY/THE ILLUMINATING CO.	W EXISTING UNDERGROUND WATER LINES EXISTING UNDERGROUND ELECTRIC LINES	
CONSTRUED TO BE A SUPPLEMENT TO THE CITY OF CLEVELAND STANDARD SPECIFICATIONS.	 ALL DIMENSIONS AND RADII ARE GIVEN TO FACE OF CURB UNLESS OTHERWISE NOTED. REFER TO MARKET SQUARE LANDSCAPE PLANS FOR ALL GROUND LEVEL SITE FINISHES AS DESIGNED BY SITE DESIGN INC. 	6896 MILLER RD., SUITE 100 CLEVELAND WATER BRECKSVILLE, OH 44141 POLLUTION CONTROL ATTN: WAYNE SAMUEL 12302 KIRBY RD., COMMUNICATIONS OFFICE: 440-546-8721 CLEVELAND, OH 44108 15565 NEO PARKWAY		
SPECIFICATION REFERENCE STANDARD SPECIFICATION OF THE CITY OF CLEVELAND AND THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION, 2016 EDITION SHALL GOVERN		OFFICE: 216-664-2756 GARFIELD HTS, OH 44128 ATTN: ELIE RAMY GARFIELD HTS, OH 44128 ATTN: BILL DARDEN OFFICE: 585-445-5865	EXISTING BUILDING/STRUCTURE = = = = = = EXISTING CURB = = = = = FXISTING CURP & CUTTER	
THE PROJECT. THIS SHALL INCLUDE ANY CHANGES OR SUPPLEMENTAL SPECIFICATIONS. SHOULD A CONFLICT ARISE BETWEEN THESE OR OTHER PROJECT SPECIFICATIONS, THE CITY OF CLEVELAND STANDARDS SHALL TAKE PRECEDENCE.	WORK HOURS AND CONSTRUCTION NOISE	ED DALY: 585-397-5988 LAWS, ORDINANCES, AND REGULATIONS	EXISTING CURB & GUTTER EXISTING DECIDUOUS TREE	ARCH. EL: 0' - 0" = 682.10' Contractor shall be responsible for reviewing all Plans and Specifications, verifying
	ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 P.M. AND 7:00	CONTRACTOR SHALL STAY FULLY INFORMED OF ALL LOCAL LAWS, ORDINANCES, REGULATIONS, ORDERS AND DECREES THAT AFFECT THE WORK. IT IS CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL SUCH RESTRICTIONS.	BM# BENCHMARK LOCATION BENCHMARK LOCATION	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.
	A.M. AND ONLY AS PERMITTED BY LOCAL ORDINANCES OR RESTRICTIONS. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE			Contractor shall construct the work in conformance with all applicable building codes. Contractor is responsible for design and installation of properly sized and loaded
	REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT AND WORK WITHIN THE LIMITS SPECIFIED IN OSHA REGULATIONS AND LOCAL ORDINANCES.	ITEM SPECIAL - MISC.: PRE-CONSTRUCTION VIDEO TAPING THE CONTRACTOR SHALL SUBMIT A DVD RECORDING OF THE CONSTRUCTION LIMITS TO THE CITY		systems. Submit shop drawings to architect for approval on conformity to Architectural design intent. A written Architectural Specification was issued for this project and along with
	EXISTING TYPICAL SECTIONS EXISTING TYPICAL SECTIONS HAVE BEEN DEVELOPED FROM SITE MEASUREMENTS AND	OF CLEVELAND PRIOR TO ANY WORK. THE RECORDING SHALL TAKE SPECIAL NOTE OF ALL SURFACE FEATURES, INCLUDING BUT NOT LIMITED TO, DRIVEWAYS, TREES, FENCES, LANDSCAPING FEATURES, AND PLANTERS. THE RECORDING WILL BE USED TO ASSIST THE		these printed documents constitutes the Contract Documents for this project. Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have
	RECORD PLANS AND ARE BELIEVED TO REPRESENT THE WIDTH AND COMPOSITION OF THE EXISTING PAVEMENT, BUT THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE SAME.	ENGINEER IN THE CASE THAT PROPERTY OWNERS CLAIM DAMAGE HAS BEEN DONE TO THEIR PROPERTY BY THE CONTRACTOR DURING CONSTRUCTION. AREAS THAT HAVE BEEN DAMAGED DUE TO CONTRACTOR NEGLIGENCE SHALL BE RESTORED TO IT'S ORIGINAL CONDITION BY THE CONTRACT AT NO ADDITION COST TO THE CITY OR THE PROPERTY OWNER.		included all applicable work. Additional Architectural Specification copies are available anytime upon request. Hartshorne Plunkard, LTD. shall retain all copyrights, statutory and common law
	WORK LIMITS THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALL ATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE			right with regard to these plans and building design. Reproduction, changes or assignment to any third party shall not occur without obtaining expressed written permission and consent of Hartshorne Plunkard, LTD.
	THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.	DECORD DRAWINGS FOR WATER BOLLLITION SOUTES: (WES)		Intro Cleveland
	COOPERATION BETWEEN CONTRACTORS IT IS ANTICIPATED THAT OTHER CONTRACTORS WILL BE WORKING ON PROJECTS ADJACENT TO	RECORD DRAWINGS FOR WATER POLLUTION CONTROL (WPC) THE CONTRACTOR SHALL SUBMIT RECORD DRAWINGS AND A VIDEOTAPE COPY (PER D-37) OF THE STORM SEWERS WHERE NEW CATCH BASINS ARE BEING PLACED (FROM THE CATCH BASIN TO THE MAINLINE). TO THE CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL.		
	OR WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATIONS, INCLUDING PROVISIONS FOR THE MAINTENANCE OF TRAFFIC, WITH THE CONTRACTORS OF OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. ALL CONTRACTORS SHALL CONDUCT THEIR WORK WITHOUT INTERFERING WITH OR	THE MAINLINE). TO THE CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL. THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT AND MATERIALS TO PERFORM THE REQUIRED WORK.		WEST SETH STREET & LODAN AVENUE
	HINDERING THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS AND SHALL COORDINATE AND COOPERATE WITH EACH OTHER. BIWEEKLY PROGRESS MEETINGS ARE TO BE HELD ON-SITE FOR COORDINATION. A REPRESENTATIVE FOR			WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113 ISSUANCES
	THIS PROJECT CONTRACTOR SHALL BE PRESENT.			DATE ISSUED FOR 02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION
	DOMINION EAST OHIO GAS COMPANY (DEO) IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBJACENT SUPPORT OF DOMINION'S PIPELINE(S), IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART P, (SAFE			03/12/2019 SD APPROVAL 05/20/2019 50% DESIGN DEVELOPMENT 08/29/2019 BID RELEASE 3
	EXCAVATION & SHORING). ONE-FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE MUST BE MAINTAINED BETWEEN DOMINION EAST OHIO'S (DEO) EXISTING PIPELINE(S) AND ALL OTHER IMPROVEMENTS. EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPELINES, ETC.)			10/14/2019 BID RELEASE 1 UPDATE 12/10/2019 FOUNDATION PERMIT 01/15/2020 75% DD PROGRESS
	OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.). DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING BRIDGE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ENSURING THAT ALL DEO EXISTING FACILITIES. ABOVE AND BELOW GROUND, DEMAIN LINDAMAGED.			02/14/2020 100% DD PROGRESS 03/13/2020 BUILDING PERMIT 03/17/2020 WPC COMMENTS 04/28/2020 CITY COMMENTS
	THAT ALL DEO EXISTING FACILITIES, ABOVE AND BELOW GROUND, REMAIN UNDAMAGED, ACCESSIBLE AND IN WORKING ORDER. THE CROSSING OF DEO'S PIPELINE WITH ANOTHER STEEL FACILITY MAY CREATE A POTENTIAL CORROSION ISSUE FOR THE PROPOSED FACILITY AND THE EXISTING			05/01/2020 FOUNDATION IFC PROGRESS SET 05/15/2020 FOUNDATION IFC
	DEO FACILITY. PLEASE CONTACT DOMINION'S CORROSION DEPARTMENT: DAVE CUTLIP (330-266-2121), RICK MCDONALD (330-266-2122), OR AL HUMRICHOUSER (330-478-3757). NOTIFY DEO IMMEDIATELY IF ANY HARM HAS BEEN INFLICTED UPON DEO'S FACILITIES (PIPELINES, ETC.) OR APPURTENANCES THERETO. DEO = THE			GPD PROJECT NO. 2018350.00
	EAST OHIO GAS COMPANY, dba DOMINION EAST OHIO, 1-800-362-7557.			GPD GROUP® Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 520 South Main Street
				520 South Main Street Akron, Ohio 44311 330.572.2100 Fax 330.572.2101 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2020 PROJ. # 1816 SCALE: As indicated
				CK. BY: RP DN. BY: NG
				GENERAL NOTES
			PLAN REPRODUCTION WARNING THE PLANS HAVE BEEN CREATED ON ARCH E	C-101

THE PLANS HAVE BEEN CREATED ON ARCH E (36"x48") SHEETS, REFER TO GRAPHIC SCALE.

ENVIRONMENTAL CITY OF CLEVELAND, GENERAL CONSTRUCTION NOTES

- 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.
- 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 SUMP.
- 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) 664-3638 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 <u>HARD COPY</u> (24"x36") AND AN <u>ELECTRIC COPY</u> OF THE AS BUILT PLANS, AND A CCTV 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.

- 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
- 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.
- 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.
- 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.
- 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 MAINTENCE OF TRAFFIC PLAN TO THE CITY WITH THE CONTRACTORS 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.
- 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 ODOT 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 D-73. THE BID FOR PERFORMANCE OF THESE TESTS SHALL INCLUDE ANY PREMIUM TIME NECESSARY TO PERFORM WORK ON HOLIDAYS, WEEKENDS AND/OR OVERNIGHT.

 ALL TESTING SHALL BE SUBMITTED FOR ACCEPTANCE BY DIVISION OF ENGINEERING & CONSTRUCTION PRIOR TO COMMENCING NEXT OPERATION.

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 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 installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity 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. Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113 ISSUANCES

DATE ISSUED FOR

02/01/2019 ENTITLEMENT SUBMITTAL

03/04/2019 PROGRESS - NOT FOR CONSTRUCTION

03/12/2019 SD APPROVAL

05/20/2019 50% DESIGN DEVELOPMENT

08/29/2019 BID RELEASE 3

10/14/2019 BID RELEASE 1 UPDATE

12/10/2019 FOUNDATION PERMIT

01/15/2020 75% DD PROGRESS
02/14/2020 100% DD 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

Glaus, Pyle, Schomer, Burns & DeHaven, Inc

330.572.2100 Fax 330.572.2101
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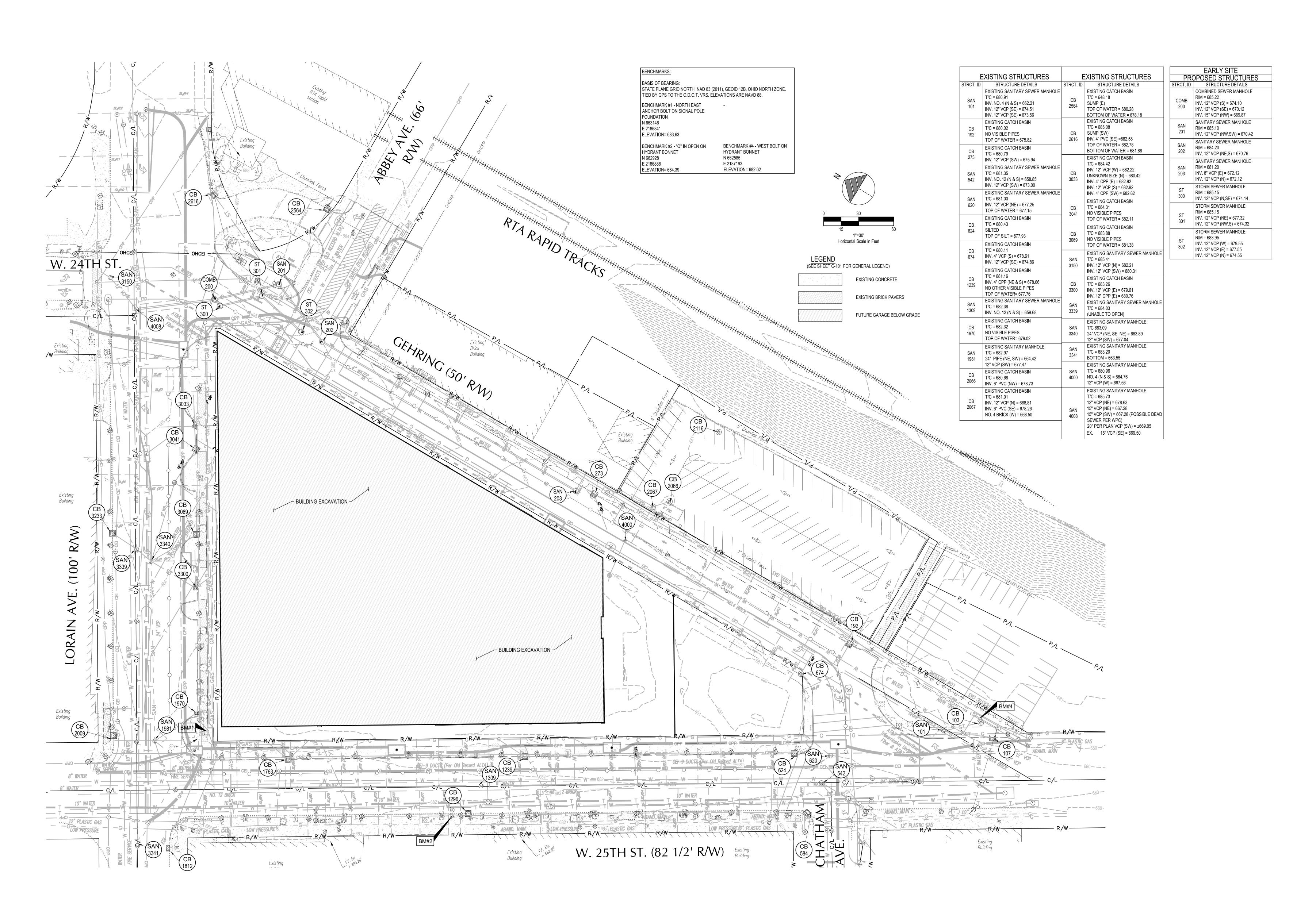
PROJ. # 1816 SCALE: As indicated
CK. BY: RP DN. BY: NG

LOCAL AUTHORITY

GENERAL NOTES

<u>C-10</u>





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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113

08/29/2019 BID RELEASE 3

10/14/2019 BID RELEASE 1 UPDATE

12/10/2019 FOUNDATION PERMIT

01/15/2020 75% DD PROGRESS

02/14/2020 100% DD PROGRESS

03/13/2020 BUILDING PERMIT

03/17/2020 WPC COMMENTS

04/28/2020 CITY COMMENTS

05/01/2020 FOUNDATION IFC PROGRESS SET

GPD PROJECT NO. 2018350.00

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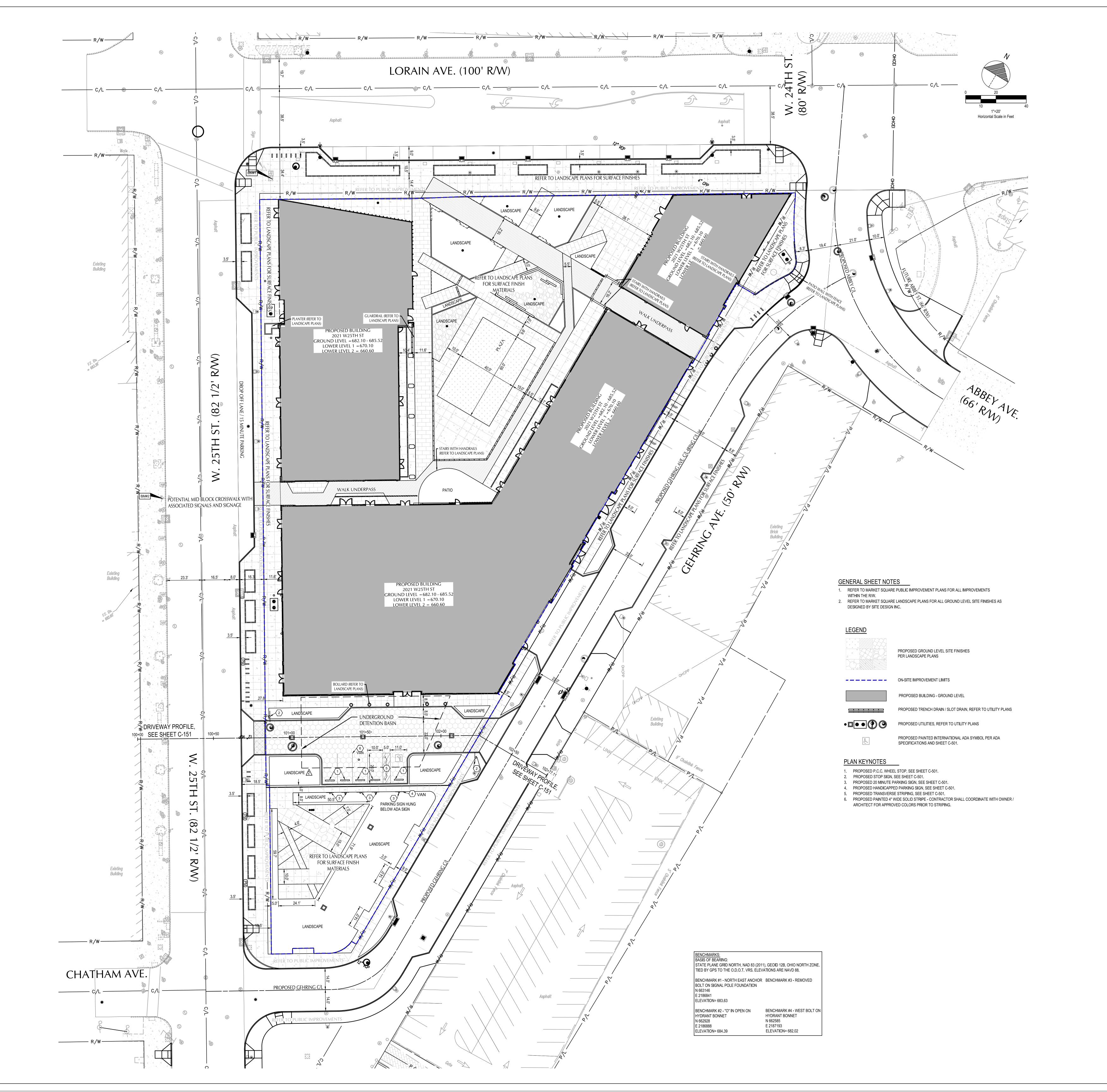
PROJ. # 1816 CK. BY: RP

EXISTING CONDITIONS PLAN

C-110

SCALE: As indicated

DN. BY: NG



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

Contractor shall be responsible for reviewing all Plans and Specifications, verifying 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 installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity to Architectural design intent.

A written Architectural Specification was issued for this project and along with

Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request.

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WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113

ISSUANCES

DATE ISSUED FOR

02/01/2019 ENTITLEMENT SUBMITTAL

03/04/2019 PROGRESS · NOT FOR CONSTRUCTION

03/12/2019 SD APPROVAL

05/20/2019 50% DESIGN DEVELOPMENT

08/29/2019 BID RELEASE 3

10/14/2019 BID RELEASE 1 UPDATE

12/10/2019 FOUNDATION PERMIT

10/14/2019 BID RELEASE 1 UPDATE
12/10/2019 FOUNDATION PERMIT
01/15/2020 75% DD PROGRESS
02/14/2020 100% DD PROGRESS
03/13/2020 BUILDING PERMIT
03/17/2020 WPC COMMENTS

02/14/2020 | 100% DD PROGRESS

03/13/2020 | BUILDING PERMIT

03/17/2020 | WPC COMMENTS

2 | 04/28/2020 | CITY COMMENTS

05/01/2020 | FOUNDATION IFC PROGRESS SET

05/15/2020 | FOUNDATION IFC

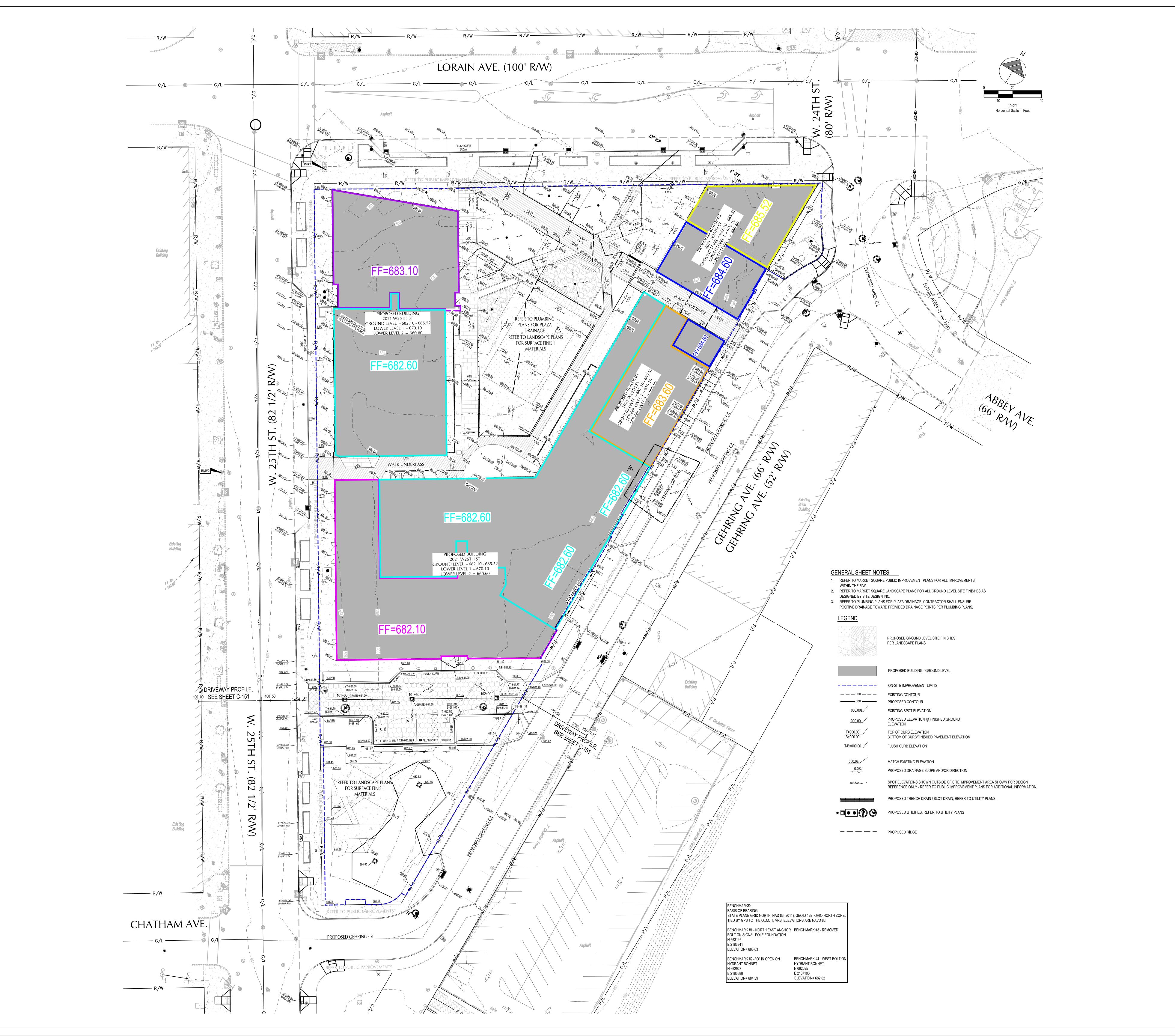
GPD PROJECT NO.
2018350.00

GPD GROUP®
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.

520 South Main Street
Akron, Ohio 44311
330.572.2100 Fax 330.572.2101
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PROJ. # 1816 SCALE: As indicated
CK. BY: RP DN. BY: NG

SITE PLAN



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

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3 05/01/2020 FOUNDATION IFC PROGRESS SET
4 05/15/2020 FOUNDATION IFC

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81816 SCALE: 1" = 20'

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GRADING PLAN

STORM WATER POLLUTION PREVENTION NOTES

- ALL WORK SPECIFIED AS AN DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE CURRENT STATE OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- IMPLEMENTATION OF SEDIMENT AND EROSION CONTROLS SHALL BE IN ACCORDANCE WITH THE OHIO EPA NPDES CONSTRUCTION GENERAL PERMIT #OHC000005 AND THE CITY OF CLEVELAND CODIFIED ORDINANCES. IF CONFLICT EXISTS REGARDING IMPLEMENTATION OF SEDIMENT AND EROSION CONTROLS, THE MORE RESTRICTIVE SHALL APPLY.
- THESE CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- 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.
- PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 7 DAYS WITH SEEDING, AS DEFINED ON THE TEMPORARY SEEDING TABLE WITHIN THESE PLANS, TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL. WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.
- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING.
- SEDIMENT BARRIERS: SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS AND AS SHOWN. HEREIN. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATES EPA. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- PRIOR TO THE TIME THAT DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
- 10. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS, YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- 11. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
- 12. CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION, LOGGING SHALL BE WEEKLY AND AFTER EVERY ½" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- 13. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- 14. TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND AFTER ½" RAIN EVENTS.
- 15. UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER POLLUTION PREVENTION PLANS, DETAILS AND NOTES.
- 16. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION AS SHOWN ON PLANS.
- 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. IF POSSIBLE GRADING SHALL BE DONE BY PHASING. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED. SEE DETAIL WITHIN THESE PLANS. OIL IS NOT TO BE USED AS A DUST SUPPRESSANT.
- 19. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE.
- 20. IN THE EVENT OF A LARGE PETROLEUM SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THE CURRENT STATE'S EPA. THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.
- 21. CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT FACILITY SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- 22. IF NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 23. IF NECESSARY, ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
- 24. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
- 25. IF ENCOUNTERED DURING SITE REDEVELOPMENT, ANY OIL/GAS WELLS OR MINE SHAFTS MUST BE PROPERLY ABANDONED, VAULTED AND VENTED IN ACCORDANCE WITH CURRENT REGULATIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES
- INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.

26. IF, FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL

- 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

PREVENT SPILLS USE PRODUCTS UP FOLLOW LABEL DIRECTIONS FOR DISPOSAL

HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL

- REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN 2 RECYCLE WASTES WHENEVER POSSIBLE
- DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS DON'T BURY CHEMICALS OR CONTAINERS DON'T BURN CHEMICALS OR CONTAINERS DON'T MIX CHEMICALS TOGETHER
- CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT 5 LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE CURRENT STATE'S EPA APPROVED CD&D LAND FILL.
- NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE.
- HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE. DITCH OR STORM
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE DISPOSED OF IN ACCORDANCE WITH ITEM 8.
- CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES.
- SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE CURRENT STATE'S EPA. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE CURRENT STATE'S EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE CURRENT STATE'S EPA.
- CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID. ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER THE CURRENT STATE'S EPA GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES TO ELIMINATE DISCHARGES OF CONTAMINATED SOILS:
- THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES. PUMPING CONTAMINATED RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER
- FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY. 8.3. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.
- 9. OPEN BURNING: NO OPEN BURNING.

10. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS. AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.

- OTHER AIR PERMITTING REQUIREMENTS : CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC THE CURRENT STATE'S EPA AIR PERMITS FOR INSTALLATION AND OPERATION. OPERATORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING DISTRICT OF THE EPA. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO THE CURRENT STATE'S EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
- PROCESS WASTE WATER/LEACHATE MANAGEMENT: EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND
- CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER. PLEASE REFER TO THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL, CURRENT EDITION, FOR ADDITIONAL INFORMATION.
- WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.

CONSTRUCTION SEQUENCE IRING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE PROCEDURES SHALL BE DISCUSSED.

- GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION 1 INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG THE PERIMETER OF THE SITE, IT CAN BE UTILIZED. FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE.
 - DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE, IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - STAKE AND/OR FLAG LIMITS OF DEMOLITION.
 - SILT PERIMETER CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS.

4. DEMOLITION, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL

- INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.
- DEMOLISH THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND
- TOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.
- BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- METHODS APPROVED BY THE AUTHORIZING EPA OFFICE. ONCE BUILDING SUB-GRADES HAVE BEEN ESTABLISHED, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.
- MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
- THE FOLLOWING ITEMS MUST BE COMPLETED IN ORDER BY THE CONTRACTOR, ONCE THE SITE HAS BEEN DEEMED STABLE: REMOVE CONSTRUCTION ENTRANCE PRIOR TO COMPLETION OF PAVING

RESEED ANY AREAS THAT REQUIRE ADDITIONAL SEED

- SILT FENCE SHOULD BE CLEANED, REMOVED, BACKFILLED AND SEEDED WITH PERMANENT SEEDING. VERIFY POSITIVE DRAINAGE FLOW IN ALL DRAINAGE STRUCTURES, REPAIR AS CLEAN PERVIOUS PAVER SYSTEM AND UNDERGROUND DETENTION SYSTEM TO
- BE JETTED AND VACUUMED PRIOR TO TURNOVER TO OWNER. CONTRACTOR SHALL ENSURE ALL SEDIMENT CAUSED BY CONSTRUCTION IS REMOVED FROM THESE SYSTEMS.

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.

CLEANED OUT WITHIN 10 DAYS OF INSPECTION.

SITE CLEAN UP

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

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 SEDIMENT POND BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR

CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE STATE EPA FOR A REDUCTION TO

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

PRACTICES FOR DEWATERING EXCAVATED AREAS

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING.

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.

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 OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE.

USE OF A STRAW BALE/SILT FENCE PIT OR TRAP. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE. A WELL-VEGETATIVE FILTER STRIP. CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING. INSTALL SOME SORT OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. USE A SUMP PIT TO REDUCE THE PUMPING MUD.

- DESIGN CRITERIA 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. THE FOLLOWING FORMULA CAN BE USED TO DETERMINE THE STORAGE VOLUME FOR DEWATERING STRUCTURES: PUMP DISCHARGE (G.P.M.) X 16 = CUBIC FEET OF STORAGE REQUIRED MATERIAL FROM ANY REQUIRED EXCAVATION SHALL BE STORED IN AN AREA AND
- PROTECTED IN A MANNER THAT WILL PREVENT SEDIMENTS FROM ERODING AND MOVING AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR
- UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY STRAW BALE OR RIPRAP. CONSTRUCTION METHODS
 - STRAW BALE/SILT FENCE PIT MEASURE SHALL CONSIST OF STRAW BALES, SILT FENCE, A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND ½ TO 2 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE). ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW).
 - THE PUMP MUST BE SHUT OFF WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF 4. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE.
 - 5. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS WILL BE RETURNED TO ORIGINAL CONDITION.

GEOTEXTILE FILTER BAG

THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION. THE NECK OF THE FILTER BAG SHALL BE TIGHTLY STRAPPED (MINIMUM TWO STRAPS) TO THE DISCHARGE HOSE

THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS UeA: URBAN LAND-ELNORA COMPLEX. WATER AT A REASONABLE RATE.

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. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. TYPICALLY FILTER BAGS CAN HANDLE FLOW RATES OF UP TO 1000 GALLONS PER MINUTE, BUT IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR FLOW RATES. USE OF EXCESSIVE FLOW RATES OR OVERFILLING THE DEWATERING DEVICE WITH SEDIMENT

WILL CAUSE RUPTURES OF THE BAG OR FAILURE OF THE HOSE ATTACHMENT STRAPS. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL. EACH STANDARD DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE. USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.

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 4884 OF 100 LB/IN (1.15 KG/METER). THE GEOTEXTILE FABRIC SHALL BE A NONWOVEN FABRIC WITH THE FOLLOWING PROPERTIES:

250 LBS. 113 KG
405 50
165 LBS. 75 KG
70 GAL/MIN/SQ FT 25 LITERS/MIN/SQ METE
1.3 SEC1 1.3 SEC1
550 LBS./ SQ INCH 3.79 MPA
70% 70%
100% 100%

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. ONCE THE WET STORAGE AREA BECOMES FILLED WITH SEDIMENT TO ONE-HALF OF THE EXCAVATED DEPTH, ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF PROPERLY.

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

STORM WATER POLLUTION PREVENTION PLAN NARRATIVE

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. THE SITE IMPROVEMENT PROPERTY ENCOMPASSES 2.36 ACRES OF LAND AND IS THE BLOCK BETWEEN LORAIN AVE., WEST 25TH STREET AND GEHRING AVE. IN CLEVELAND, OHIO. ON SITE IS AN EXISTING SHOPPING CENTER WITH ASPHALT PARKING AREAS. THE RIGHT OF WAY IMPROVEMENT AREA INCLUDES THE SIDEWALKS ALONG THE PROPERTY ALONG WEST 25TH STREET AND LORAIN AVE. IT ALSO INCLUDES THE ABBEY AVE / GEHRING AVE INTERSECTION AND THE ENTIRE LENGTH OF GEHRING AVE. (FROM LORAIN AVE. TO WEST 25TH STREET).

REFER TO PUBLIC IMPROVEMENT PLANS FOR RIGHT OF WAY IMPROVEMENTS

REFER TO EARLY SITE DEMOLITION AND UTILITY RELOCATION PLANS FOR THE DEMOLITION OF THE EXISTING BUILDING AND RELOCATION OF UTILITIES WITHIN GEHRING AVE.

PROJECT COMPLETION STATISTICS

R/W PRE-CONSTRUCTION CURVE NUMBER:

PROJECT DESCRIPTION

SITE AREA: R/W AREA:	2.36 ACRES 1.76 ACRES
TOTAL DISTURBED AREA:	APPROX. 4.12 ACRES
EXISTING LAND USE FOR THE SITE IS SHOPPING PLAZA.	
SITE PRE-CONSTRUCTION IMPERVIOUS AREA:	2.09 ACRES
SITE PRE-CONSTRUCTION IMPERVIOUS PERCENT:	88.6%±
SITE PRE-CONSTRUCTION CURVE NUMBER:	96
R/W PRE-CONSTRUCTION IMPERVIOUS AREA:	1.58 ACRES
R/W PRE-CONSTRUCTION IMPERVIOUS PERCENT:	90%±

AND APARTMENTS) WITH TWO BELOW GRADE PARKING DECKS, SMALL PARKING LOT AND DRIVES CONCRETE WALK, NEW UTILITY CONNECTIONS, COURTYARD PLAZA ABOVE THE PARKING DECKS AND OTHER ASSOCIATED SITE AMENITIES. RIGHT OF WAY IMPROVEMENTS INCLUDE RELOCATION OF ABBEY AVE INTERSECTION. RELOCATION OF UTILITIES, RECONSTRUCTION AND RELOCATION OF GEHRING AVE AND GEHRING AVE RIGHT OF WAY, NEW SIDEWALKS AND PARKING AREA ALONG WEST 25TH AND LORAIN AVE.

PROPOSED SITE IMPROVEMENTS WILL CONSIST OF ONE NEW MIXED USE BUILDINGS (COMMERCIAL

SITE POST-CONSTRUCTION IMPERVIOUS AREA: 2.01 ACRES SITE POST-CONSTRUCTION IMPERVIOUS PERCENT 85.2%± SITE POST-CONSTRUCTION CURVE NUMBER: 1.52 ACRES R/W POST-CONSTRUCTION IMPERVIOUS AREA: RW/ POST-CONSTRUCTION IMPERVIOUS PERCENT: 86.4%± R/W POST-CONSTRUCTION CURVE NUMBER:

PROJECT LOCATION:

-81.702521°

FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF 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

OWNER CONTACT

JAMES LITWIN

VICE PRESIDENT OF CONSTRUCTION. HARBOR BAY REAL ESTATE ADVISORS 3412 COMMERCIAL AVE NORTHBROOK, IL 60062

JAMES@HARBOR-BAY.COM

ANTICIPATED TIMING

OHIO CITY, LLC

224.261.8758

SUMMER, 2020 CONSTRUCTION BEGIN:

CONSTRUCTION COMPLETE: SPRING, 2022 CONTRACTOR: PANZICA CONSTRUCTION COMPANY

CONTACT: BILL DAVIS PHONE NUMBER: 440-442-4300

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND

STABILIZATION ACTIVITIES. EPA NOI APPROVAI

OHIO EPA FACILITY PERMIT NUMBER: 3GC10996*AG

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

AREA FOR CITY APPROVAL STAMP

Contractor shall be responsible for reviewing all Plans and Specifications, verifying 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 is responsible for design and installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity to Architectural design intent.

Contractor shall construct the work in conformance with all applicable building

A written Architectural Specification was issued for this project and along with these printed documents constitutes the Contract Documents for this project. Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request.

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Intro Cleveland

Hartshorne Plunkard, LTD. shall retain all copyrights, statutory and common law

WEST 25TH STREET & LORAIN AVENUE

CLEVELAND, OHIO 44113

ISSUED FOR 02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION 03/12/2019 SD APPROVAL 05/20/2019 | 50% DESIGN DEVELOPMENT 08/29/2019 BID RELEASE 3

12/10/2019 FOUNDATION PERMIT

01/15/2020 75% DD PROGRESS 02/14/2020 | 100% DD PROGRESS 03/13/2020 BUILDING PERMIT 03/17/2020 WPC COMMENTS 04/28/2020 CITY COMMENTS

3\ |05/01/2020 | FOUNDATION IFC PROGRESS SET 05/15/2020 FOUNDATION IFC

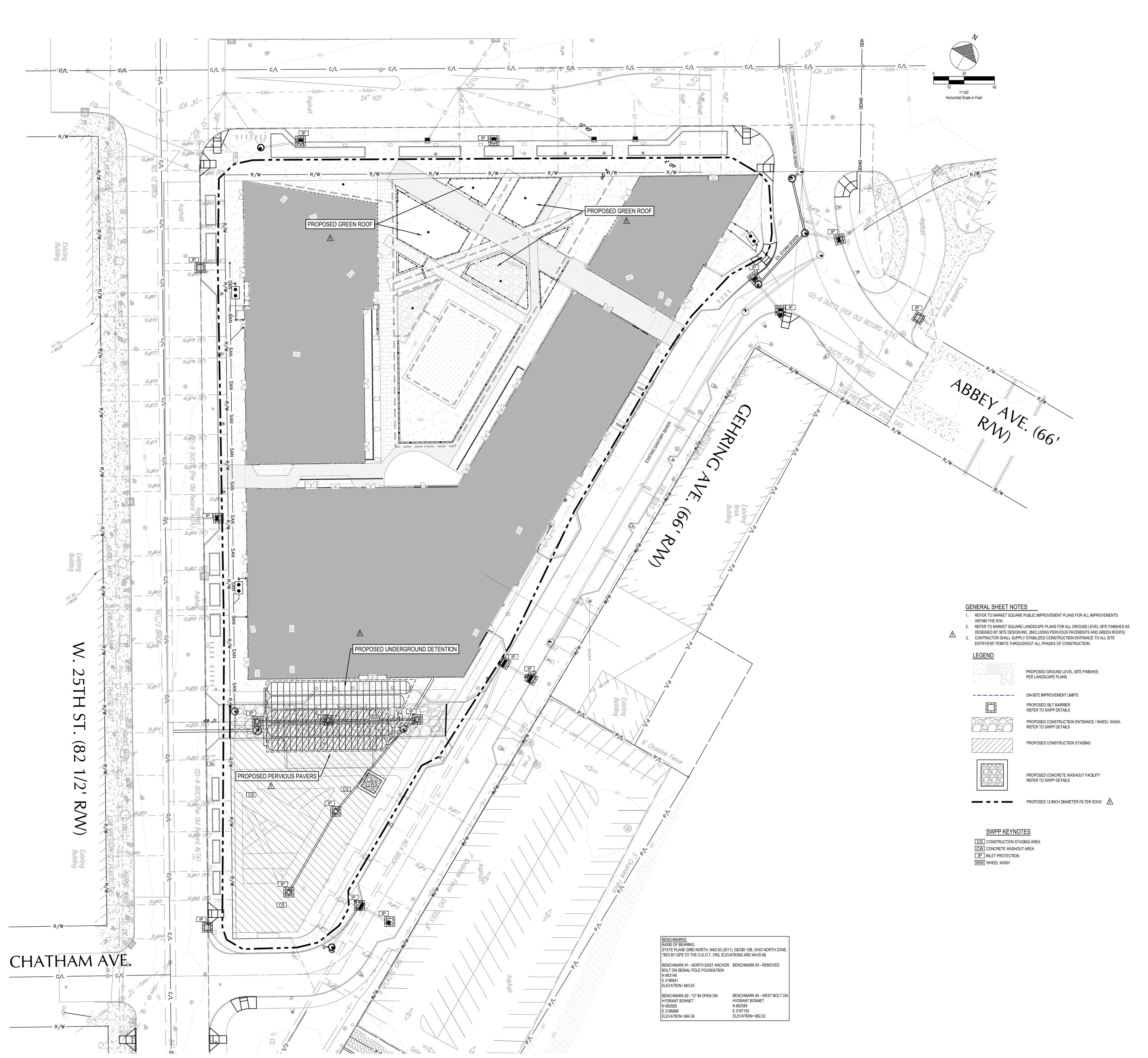
GPD PROJECT NO.

2018350.00

330.572.2100 Fax 330.572.2101 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2020

SWPP PLAN NOTES

SCALE: As indicated DN. BY: NG



S

Contractor shall be responsible for reviewing all Plans and Specifications, verifying all existing conditions prior to proceeding with Construction, complying with all

Architect immediately of any discrepancies or conflicts.

Contractor shall construct the work in conformance with all applicable building

applicable local, state, and federal building and accessibility codes, and notifying

Contractor is responsible for design and installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity to Architectural design intent.

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WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113

10/14/2019 BID RELEASE 1 UPDATE
12/10/2019 FOUNDATION PERMIT
01/15/2020 75% DD PROGRESS
02/14/2020 100% DD PROGRESS
03/13/2020 BUILDING PERMIT
03/17/2020 WPC COMMENTS
04/28/2020 CITY COMMENTS
05/01/2020 FOUNDATION IFC PROGRESS SET

GPD GROUP®
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.

520 South Main Street
Akron, Ohio 44311
330.572.2100 Fax 330.572.2101
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PROJ. # 1816 SCALE: 1" = 20'
CK. BY: RP DN. BY: NG

SWPP PLAN

-STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90

2) MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:

NO CONTACT WITH WATERS OF THE STATE.

LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY 45-LB BALES OF STRAW IN EACH SECTION.

-WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ. FT.

APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE AT 10-20 TONS/AC 3) MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE

FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.

-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH SOIL. MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.

STEEP SLOPES TO HOLD MULCH IN PLACE. -FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, BE APPLIED AS NEED TO ACCOMPLISH CONTROL. TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS 7)

-WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

SEEDING DATES	SPECIES	SEEDING RATE		
SEEDING DATES	SPECIES	LB./1,000 SQ FT	LB./AC.	
MARCH 1 TO AUGUST 15	OATS	3	128 (4 BUSHEL	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	PERENNIAL RYEGRASS	1	40	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	ANNUAL RYEGRASS	1.25	55	
	PERENNIAL RYEGRASS	3.25	142	
	CREEPING RED FESCUE	0.4	17	
	KENTUCKY BLUEGRASS	0.4	17	
	OATS	3	128 (3 BUSHEL	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
AUGUST 16 TO OCTOBER 31	RYE	3	112 (2 BUSHEL	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	WHEAT	3	120 (2 BUSHEL	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	PERENNIAL RYEGRASS	1	40	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	ANNUAL RYEGRASS	1.25	40	
	PERENNIAL RYEGRASS	3.25	40	
	CREEPING RED FESCUE	0.4	40	
	KENTUCKY BLUEGRASS	0.4		
NOVEMBER 1 TO FEBRUARY 29	USE MULCH ONLY OR DORMA	NT SEEDING		

PERMANENT SEEDING

LB./AC. | LB./1,000 SQ FT

40-50 1-1 1/4

40-50 1 1/4

10-20 1/4-1/2

20-30 1/2-3/4

| 40-50 | 1-1 1/4

20-30

20-25

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED

90 | 2 1/4

1/2-1

STEEP BANKS OR CUT SLOPES

1/2-3/4

1/2-3/4

ROAD DITCHES AND SWALES

1-1/2

NOTES:

DO NOT SEED LATER THAN AUGUST

DO NOT SEED LATER THAN AUGUST

FOR SHADED AREAS

WITH < 2.0 FT/SEC VELOCITY

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED

CREEPING RED FESCUE | 20-40 |

KENTUCKY BLUEGRASS | 10-20 |

TALL FESCUE

DWARF FESCUE

TALL FESCUE

CROWN VETCH

TALL FESCUE

TALL FESCUE

TALL FESCUE

DWARF FESCUE

PERENNIAL RYEGRASS

CREEPING RED FESCUE

| KENTUCKY BLUEGRASS | 5 | 0.1

KENTUCKY BLUEGRASS 100-120

KENTUCKY BLUEGRASS | 100-120 |

DOMESTIC RYEGRASS | 10-20 | 1/4 - 1/2

DUST CONTROL

TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO DISTURBANCES.

MOVEMENT ACROSS DISTURBED AREAS. HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF 2) SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND FOR SEEDBED PREPARATION AND SEEDING. HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING 3) TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION. AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.

-ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL SQ. FT. OR 2 TONS PER ACRE. CONTROL OF SOIL EMISSIONS.

> 4) EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR ACRE OF A 10-10-10 OR 12-12-12 ANALYSES. OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING 6) THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, 5) CALCIUM CHLORIDE MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES

OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER 7) -USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH OCCURS OUTSIDE OF THE ABOVE-SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND SUPPLIERS' SPECIFIED RATES. 6) WHEN TEMPORARY DUST CONTROL MEASURES ARE USED: REPETITIVE TREATMENT SHOULD COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT

CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE

STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO

GRADING THE REST OF THE CONSTRUCTION SITE.

TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 14 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.

3) THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.

4) TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.

5) SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER, WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH SHALL BE USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

ANY DISTURBED AREAS THAT ARE NOT GOING TO BE WORKED FOR 14 DAYS DURING WINTER MUST BE SEEDED AND MULCHED BY NOVEMBER 1. AREA REQUIRING TEMPORARY STABILIZATION | TIME FRAME TO APPLY EROSION CONTROLS | PLANTINGS WHERE SPECIFIED ON SAID PLANS

ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE	WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES, THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE	WITHIN 7 DAYS IF THE MOST RECENT DISTURBANCE WITHIN THE AREA
DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER	PRIOR TO NOVEMBER 1.

70' (OR 30' FOR ACCESS TO INDIVIDUAL HOUSE LOT) 10'± (IF NECESSARY) FOR CLOSE MOWING & FOR WATERWAYS WATER BAR RIGHT OF WAY DIVERSION AS -18" OR SUFFICIENT

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

TO DIVERT RUNOFF

PERMANENT SEEDING

SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMUM INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUSE SOIL AND AIR ESTABLISHING VEGETATION.

2) THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT

AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY 3) GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABALIZED USING CRUSHED A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000

5) FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN PLACE OF A SOIL TEST. FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1,000 SQ. FT. OR 1,000 POUNDS PER

SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR. SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING

REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION

SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN

SEEDING. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE 8) SEEDING SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS

WINTER.

THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING": -- FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20. AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING

RATES BY 50% FOR THIS TYPE OF SEEDING. - FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING -- APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE

PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF.

AREA REQUIRING PERMANENT STABILIZATION TIME FRAME TO APPLY EROSION CONTROLS ANY AREA THAT WILL LIE DORMANT | WITHIN 7 DAYS OF THE MOST RECENT FOR ONE YEAR OR MORE. DISTURBANCE. ANY AREA WITHIN 50 FEET OF A WITHIN 2 DAYS OF REACHING FINAL GRADE. WATERCOURSE AND AT FINAL GRADE ANY AREA AT FINAL GRADE. | WITHIN 7 DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

11) REFER TO FINAL LANDSCAPE PLANS BY SITE DESIGN INC. FOR ALL PERMANENT SEEDING AND

SHOWN ON THE PLAN.

- 1. STONE SIZE NO. 2 STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT. 2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS
- 3. PAVEMENT THICKNESS STONE LAYER SHALL BE 6" THICK FOR STANDARD DUTY ACTIVITY AND 10" THICK FOR HEAVY DUTY ACTIVITY.
- DRIVEWAY WIDTH THE ENTRANCE SHALL BE AT LEAST 20' WIDE. CONTRACTOR SHALL ENSURE ALL VEHICLES UTILIZE THE CONSTRUCTION ENTRANCE UNTIL PAVEMENT IS IN
- BEDDING-A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE SPECIFICATIONS SHOWN BELOW.
- 6. CULVERT-A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC

WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION

ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING 9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM

REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

CONCRETE CATCH

2. PLACE THE SILT BAG OVER THE GRATE.

6. PRESS THE VELCRO STRAPS TOGETHER.

INTO THE CATCH BASIN FRAME.

THE SILT BAG WILL NOT WORK PROPERLY.

REPLACE SILT BAG BACK INTO GRATE FRAME.

BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

— 1" REBAR THROUGH

REMOVAL FROM INLET

LOOPS FOR BAG

SILT BAG INLET PROTECTION

3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.

7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR

8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED

TO INSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE

AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM

SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT

TO INSPECT INLET. REMOVE SILT BAG WITH GRATE INSIDE. INSPECT CATCH BASIN AND

PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER

BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING

AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER

INSTALLATION:

4. PULL UP THE BAG.

5. TUCK THE FLAP IN.

MAINTENANCE:

OR SOLID WASTE FACILITY.

INLET INSPECTION:

EXISTING/PROP.

CATCH BASIN -

EXPANSION

RESTRAINT (1/4"

NYLON ROPE, 2'

FLAT WASHERS) -

1. STAND THE GRATE ON END.

CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS. 10. THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR

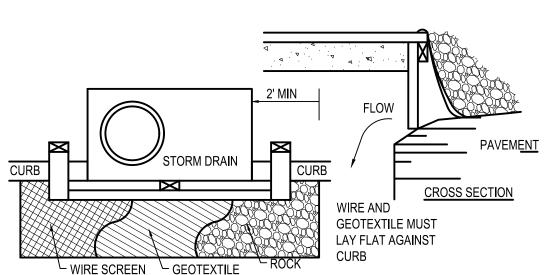
FLAP FOLDS OVER TO

- WOVEN MONOFILAMENT

FABRIC BAG VELCRO

CLOSURE

VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE



SITE INSPECTIONS SHALL BE DONE WEEKLY AND AFTER EVERY

RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY

REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH

CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING WEEKLY

EROSION CONTROL INSPECTION REPORTS. SUCH REPORTS SHALL BE

AMENDMENT

PREPARED BY

[NAME(S) AND TITLE]

LOCATION AND DESCRIPTION

OF THE GRADING ACTIVITY

DESCRIPTION OF THE AMENDMENT

GRADING AND STABILIZATION LOG

GRADING STABILIZATION

ACTIVITY MEASURES

CEASED INITIATED

MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS

INSPECTIONS.

UPON THEIR REQUEST.

SWPPP CONTACT:

AMENDMENT

PROJECT NAME

SWPPP CONTACT

GRADING EMPORARY ().

ACTIVITY PERMANENT

INITIATED

ACTIVITY

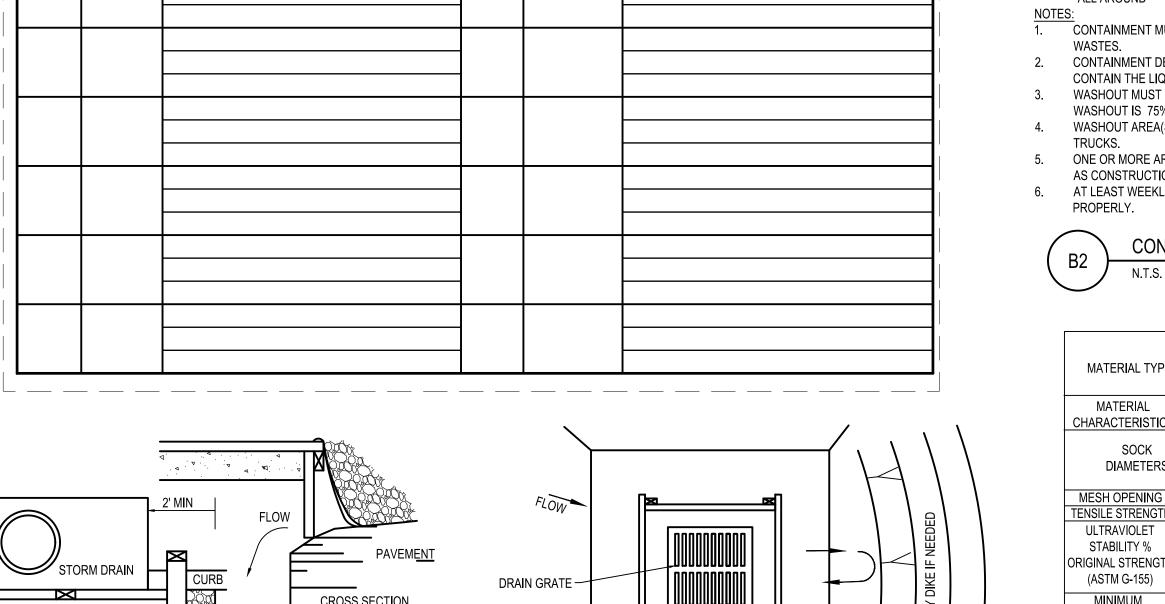
AMENDMENT

INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL. 2. CONSTRUCT A WOODEN FRAME OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE

3. THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE. 4. GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH. 5. THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN. FRAME. 6. TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE

GEOTEXTILE REPLACED WHEN CLOGGED WITH SEDIMENT. CURB INLET PROTECTION

7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE STONE AND/OR



DESCRIPTION OF THE STABILIZATION MEASURE AND

LOCATION

DRAIN GRATE REINFORCED WITH LAYER OF WIRE MESH

 INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL. 2. SILT FENCE SHALL BE GEOTEXTILE FABRIC, PER STATE'S DEPARTMENT OF TRANSPORTATION STANDARDS, AND SHOULD BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS. STAKES SHALL BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET. STAKES SHALL BE SPACED AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVEN INTO THE GROUND (MINIMUM OF 8 INCHES). THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF

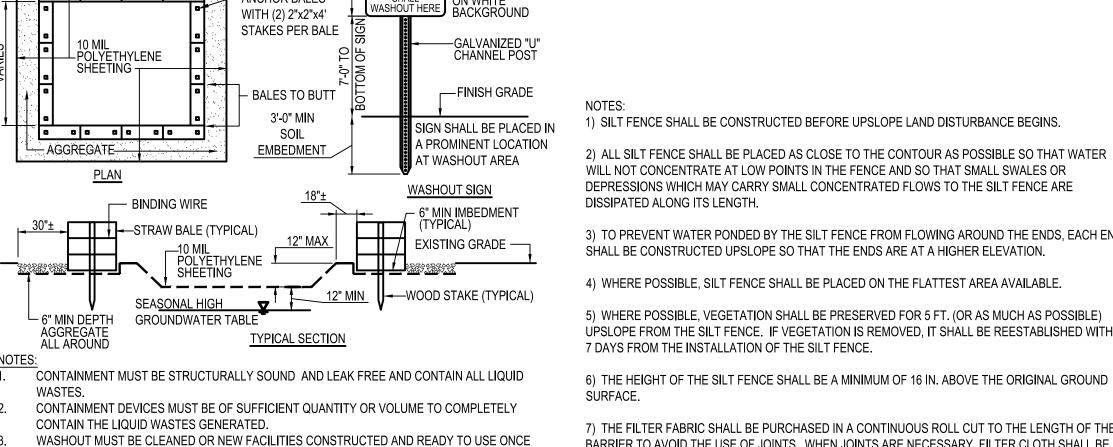
PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC. 4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME. 5. THE SILT FENCE SHALL BE STAPLED WITH HEAVY DUTY WIRE STAPLES AT LEAST 1/2 INCH LONG, TO THE WOODEN STAKES, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO

THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 15 INCHES AND ODIAMETER. SHALL NOT EXCEED 18 INCHES (PLATE 1.08B) 6. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST. 7. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.

8. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

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

YARD INLET PROTECTION



ANCHOR BALES

WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE

ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES. 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF

0 0 0 0 0

	COMPOS	T SOCK FABRI	C MINIMUM SPE	CIFICATIONS		10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL		
MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE	SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.		
				, ,	(MFPP)	11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH		
MATERIAL	PHOTO-	PHOTO-	BIO-	PHOTO- DEGRADABLE	PHOTO- DEGRADABLE	SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.		
CHARACTERISTICS	DEGRADABLE	DEGRADABLI 12"	<u> 12"</u> 12"	12"	12"	DIRECTLY TO THE POSTS.		
SOCK	12"	18"	18"	18"	18"	12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8		
DIAMETERS	18"	24"	24"	24"	24"	INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND		
		32"	32"	32"	32"	MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE		
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"	STAPLED TO EXISTING TREES.		
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI			
ULTRAVIOLET STABILITY %	% AT 1000					13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF		
ORIGINAL STRENGTH		23% AT		100% AT	100% AT	EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.		
(ASTM G-155)	l IIIX.	1000 HR.		1000 HR.	1000 HR.	14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE		
MINIMUM						IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER		
FUNCTIONAL	6	9	6	1	2	WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS		
LONGEVITY	MONTHS	MONTHS	MONTHS	YEAR	YEARS	APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED		
LONGLYIII		-	WO-PLY SYSTE	MS	1	SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.		
INNER CONTAINMENT HDPE BIAXIAL NET CONTINUOUSLY WOUND			HDPE BIAXIAL NET					
			CO	CONTINUOUSLY WOUND		MAINTENANCE:		
NETTIN				FUSION-WELDED JUNCTURES		SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH		
1121111			3/4" X 3/4" MAX. APERTURE SIZE COMPOSITE POLYPROPYLENE FABRIC			RAINFALL EVENT TO INSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE		
						FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED		
	TER FILTRATIO	N (VV		ION-WOVEN FLEEC D VIA NEEDLE PUN		SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES		
MES	SH			' MAX. APERTURE S	/	ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE		
SOCK FABRICS (COMPOSED OF	BURLAP MAY			MONTHS OR LESS			
COMPOST SHALL MI	EET THE FOLLO	OWING STAND	ARDS:			THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT		
ORGANIO	C MATTER CON	TENT		80% - 100% (DRY	WEIGHT BASIS)	FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.		
	GANIC PORTION			FIBROUS AND	ELONGATED			
	рН			5.5 - 8.0				
MOIS	STURE CONTEN	IT		35% -	55%	 		
	ARTICLE SIZE			98% PASS THROU		<u> </u>		
SOLUBLE S	SALT CONCENT	RATION		5.0 dS MA	AXIMUM	LEVEL CONTOUR		
F	BLOWN					NO SLOPE		
	PLACED	2" X	2" WOODEN ST	AKES PLACED 10' C).C.			
	FILTER MEDIA	7 //-00	MPOST FILTER	SOCK		U ELEVATION U		
DISTUR	RBED AREA		<u>DISTURB</u> ED ARE	ĒΑ		LEE WHOM		
	12" MIN	√. <u>I</u> U				, FLAT SLOPE IN ,		
		SECTION VIEV	V			FRONT OF BARRIER		

CONTOURS 2" X 2" WOODEN STAKES PLACED 10' O.C. FILTER SOCK UNDISTURBED AREA ADAPTED FROM FILTREXX

COMPOST FILTER SOCK USED FOR PERIMETER CONTROLS SHALL BE A MINIMUM OF 12 INCHES IN

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ½ THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH $rac{1}{2}$ INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH

COMPOST FILTER SOCK

SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS. 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

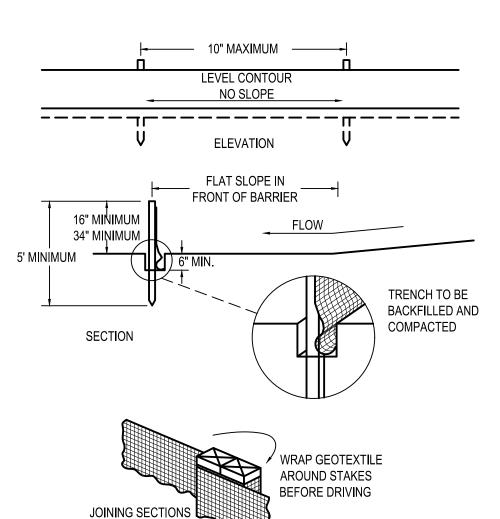
4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE. 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY

8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED

9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL

ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE



CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS. FABRIC PROPERTIES TEST METHOD VALUES NIMUM TENSILE STRENGT 120 LB. MINIMUM ASTM D 4632 200 PSI MINIMUM IINIMUM BURST STRENGTH MINIMUM PERMITTNITY ASTM D 4491 1x10-2sec-1 ASTM D 4751 APPARENT OPENING SIZE AOS < 0.84 mm V EXPOSURE STRENGTH RETENTIOL ASTM G 4335 ASTM D 4632 MAXIMUM ELONGATION AT 60 LBS. 50 LBS (220N) ASTM D 4833 MINIMUM PUNCTURE STRENGTH MINIMUM TEAR STRENGTH 40 LBS (180N) ASTM D 4533

OF SILT FENCE

AREA FOR CITY APPROVAL STAMP

ARCH. EL: 0' - 0'' = 682.10'ontractor shall be responsible for reviewing all Plans and Specifications, verifying l existing conditions prior to proceeding with Construction, complying with all

oplicable 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

Contractor is responsible for design and installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity to Architectural design intent. A written Architectural Specification was issued for this project and along with ese printed documents constitutes the Contract Documents for this project.

By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request. lartshorne Plunkard, LTD. shall retain all copyrights, statutory and common law right with regard to these plans and building design. Reproduction, changes or

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Intro Cleveland

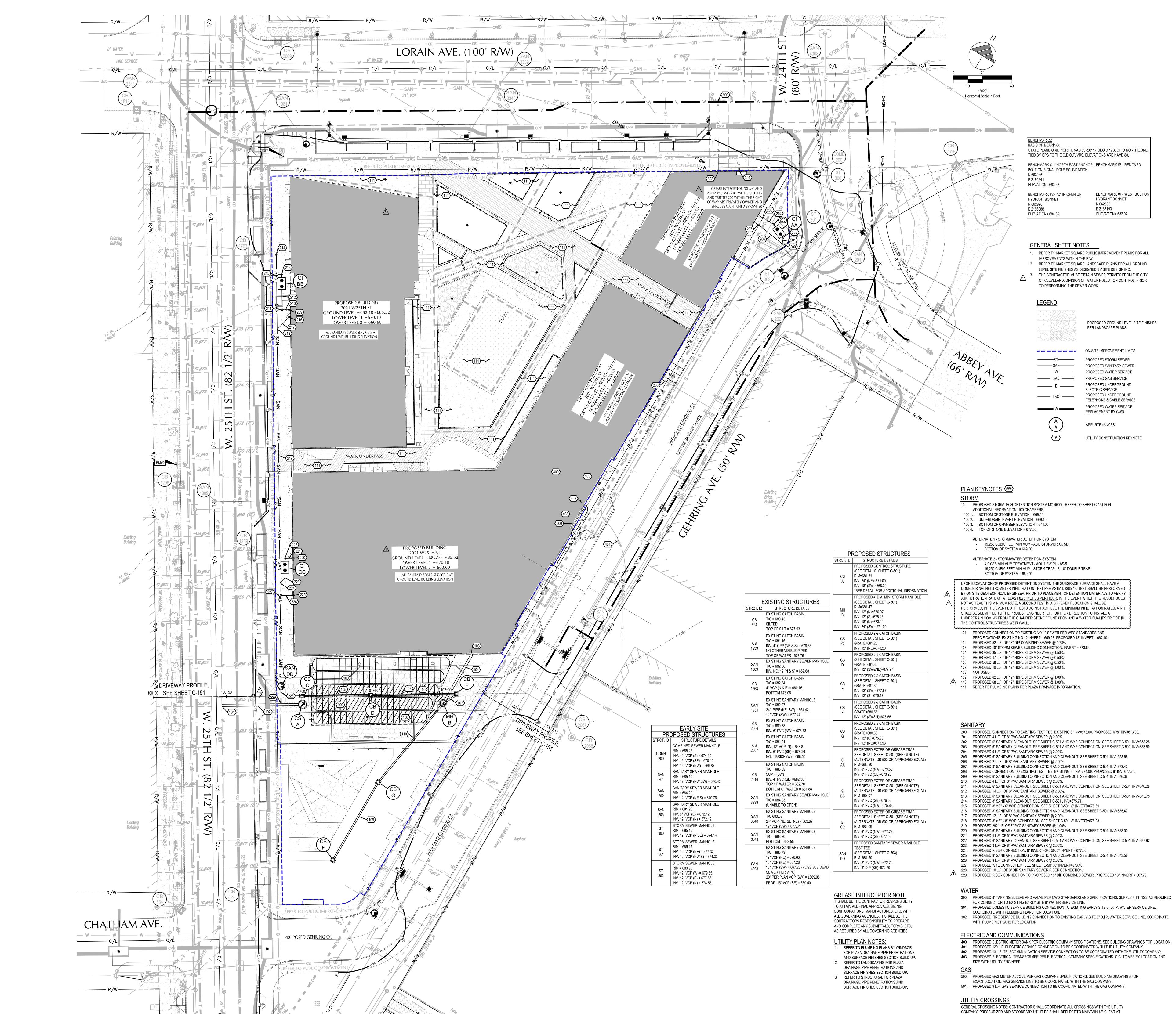
WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113 ISSUED FOR 02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION 03/12/2019 SD APPROVAL

05/20/2019 | 50% DESIGN DEVELOPMENT 08/29/2019 BID RELEASE 3 10/14/2019 BID RELEASE 1 UPDATE 12/10/2019 FOUNDATION PERMIT 02/14/2020 |100% DD PROGRESS 03/13/2020 |BUILDING PERMIT 3/17/2020 WPC COMMENTS

04/28/2020 CITY COMMENTS 3\ |05/01/2020 |FOUNDATION |FC PROGRESS SET 05/15/2020 FOUNDATION IFC GPD PROJECT NO. 2018350.00

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SWPP NOTES AND DETAILS



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

Contractor shall be responsible for reviewing all Plans and Specifications, verifying 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.

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE
CLEVELAND, OHIO 44113

ISSUANCES

DATE ISSUED FOR
02/01/2019 ENTITLEMENT SUBMITTAL
03/04/2019 PROGRESS - NOT FOR CONSTRUCTION

| 03/12/2019 | SD APPROVAL | 05/20/2019 | 50% DESIGN DEVELOPMENT | 08/29/2019 | BID RELEASE 3 | 10/14/2019 | BID RELEASE 1 UPDATE | 12/10/2019 | FOUNDATION PERMIT | 01/15/2020 | 75% DD PROGRESS | 02/14/2020 | 100% DD PROGRESS | 03/13/2020 | BUILDING PERMIT | 03/17/2020 | WPC COMMENTS | 04/28/2020 | CITY COMMENTS

3 05/01/2020 FOUNDATION IFC PROGRESS SET
4 05/15/2020 FOUNDATION IFC

GPD PROJECT NO. 2018350.00

GPD GROUP®
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.

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Akron, Ohio 44311
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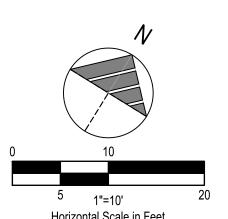
PROJ. # 1816

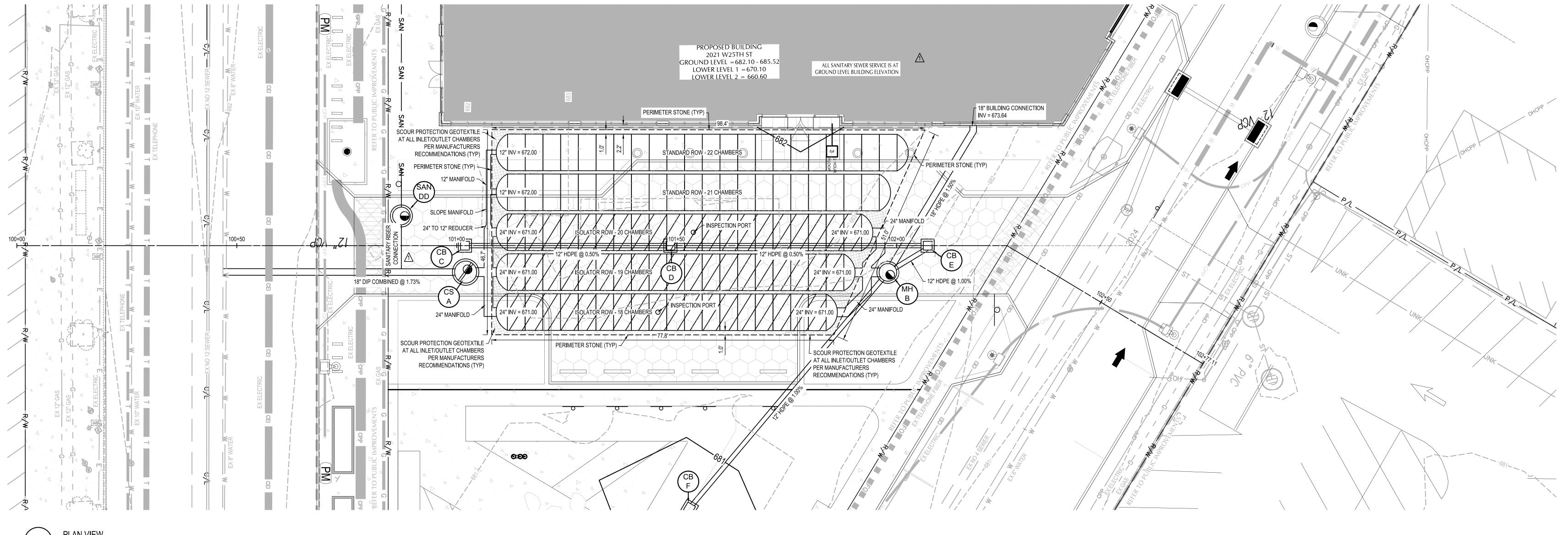
SANITARY OR STORM SEWER CROSSINGS.

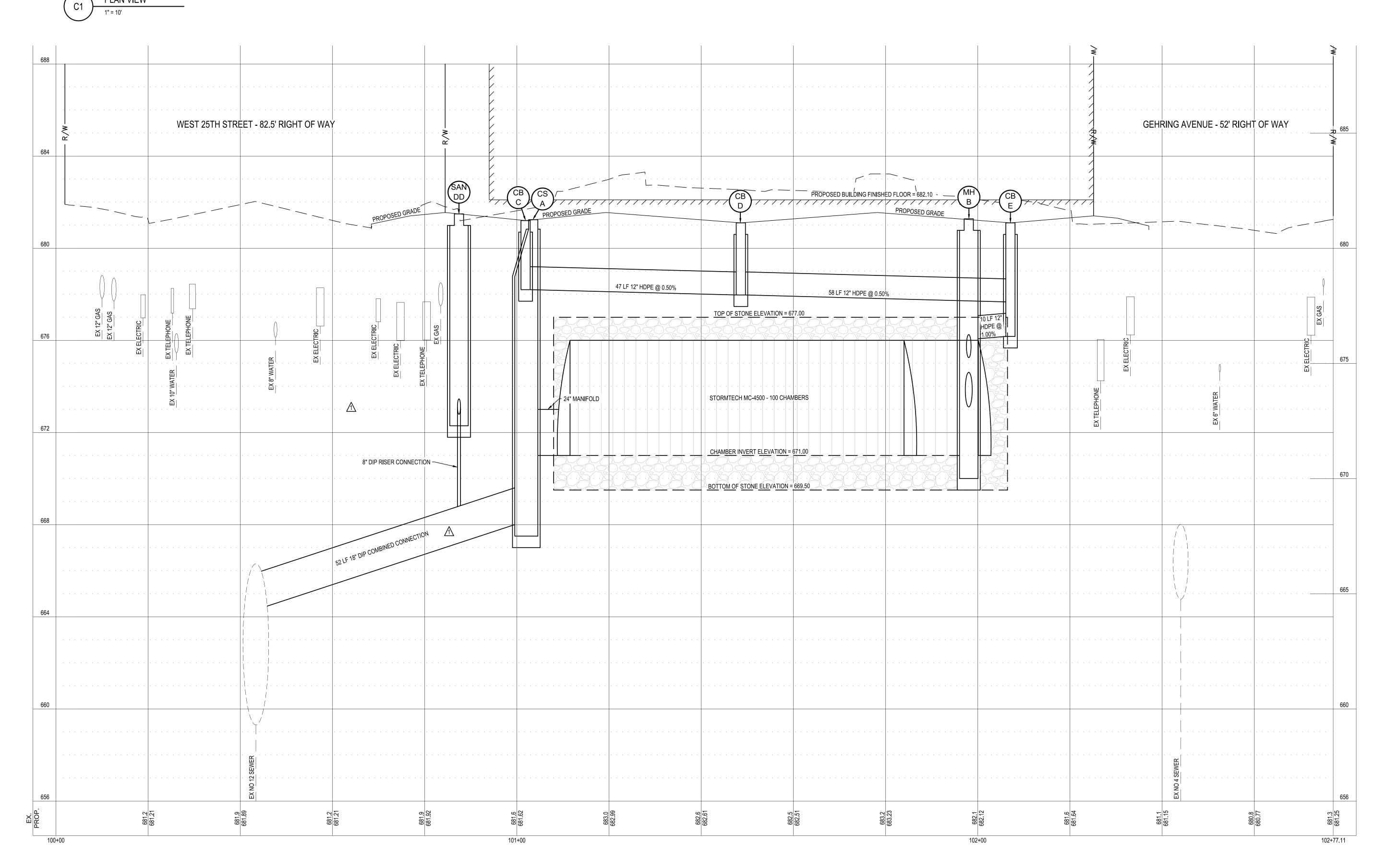
UTILITY PLAN

C-14

SCALE: 1" = 20'







PI	ROPOSED STRUCTURES
STRCT. ID	STRUCTURE DETAILS
CS A	PROPOSED CONTROL STRUCTURE (SEE DETAILS, SHEET C-501) RIM=681.31 INV. 24" (NE)=671.00 INV. 18" (SW)=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" (SW)=671.00
CB C	PROPOSED 2-2 CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.20 INV. 12" (NE)=678.20
CB D	PROPOSED 2-2 CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.30 INV. 12" (SW&NE)=677.97
CB E	PROPOSED 2-2 CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=681.30 INV. 12" (SW)=677.67 INV. 12" (S)=676.17
CB F	PROPOSED 2-2 CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=680.55 INV. 12" (SW&N)=676.55
CB G	PROPOSED 2-3 CATCH BASIN (SEE DETAIL SHEET C-501) GRATE=680.65 INV. 12" (S)=675.93 INV. 12" (NE)=675.93

BENCHMARKS: BASIS 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 2186841 ELEVATION= 683.63 BENCHMARK #4 - WEST BOLT ON BENCHMARK #2 - "O" IN OPEN ON HYDRANT BONNET HYDRANT BONNET N 662928 N 662585 E 2186888 E 2187193 ELEVATION= 684.39 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.

3. THE CONTRACTOR MUST OBTAIN SEWER PERMITS FROM THE CITY OF CLEVELAND, DIVISION OF WATER POLLUTION CONTROL, PRIOR TO PERFORMING THE SEWER WORK.

LEGEND

F F

PROPOSED GROUND LEVEL SITE FINISHES PER LANDSCAPE PLANS

- - - ON-SITE IMPROVEMENT LIMITS

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 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 installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity 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.

Work scope pertinent to all disciplines occurs throughout the Contract Documents.

By submitting a bid for this work the Contractor and all subcontractors attest that they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request.

assignment to any third party shall not occur without obtaining expressed written permission and consent of Hartshorne Plunkard, LTD.

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WEST 25TH STREET & LORAIN AVENUE

ISSUANCES

DATE ISSUED FOR

02/01/2019 ENTITLEMENT SUBMITTAL

03/04/2019 PROGRESS - NOT FOR CONSTRUCTION

03/12/2019 SD APPROVAL

05/20/2019 50% DESIGN DEVELOPMENT

08/29/2019 BID RELEASE 3

10/14/2019 BID RELEASE 1 UPDATE

12/10/2019 FOUNDATION PERMIT

01/15/2020 75% DD PROGRESS

GPD PROJECT NO.
2018350.00

GPD GROUP

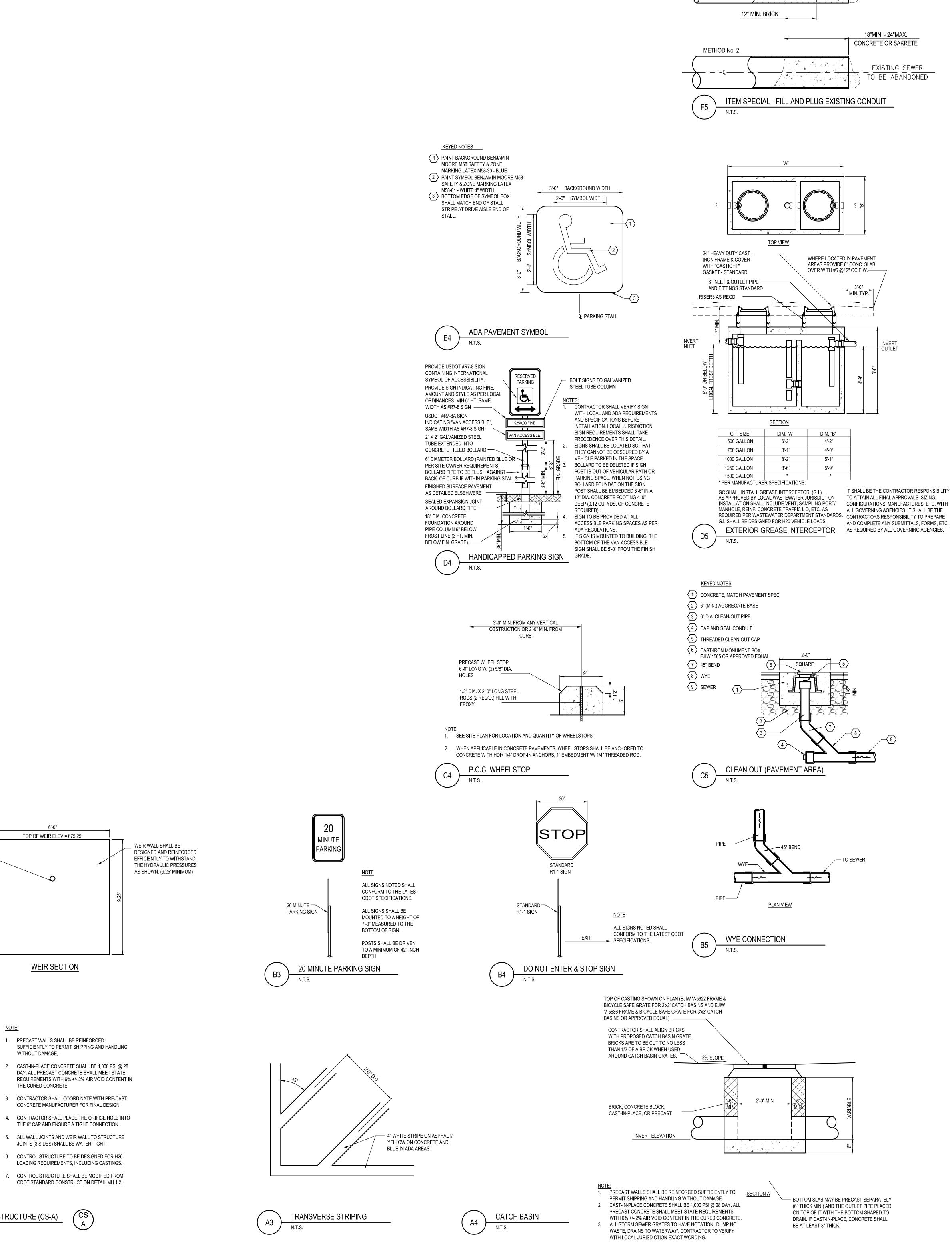
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.

520 South Main Street
Akron, Ohio 44311
330.572.2100 Fax 330.572.2101

PROJ. # 1816 SCALE: As indicated
CK. BY: RP DN. BY: NG

PROFILE





STEPS (TYP)

STEPS (TYP) BOTH SIDES

1 x 3" ORIFICES ON WEIR

TRAP ASSEMBLY TO BE FABRICATED IN FIELD AND APPROVED BY WPC INCLUDE STAINLESS STEEL

WALL INV. ELEV.=672.33

18" INV. ELEV.=668.00

SUMP ELEV.=666.00

TOP OF WEIR ELEV.= 675.25

WEIR SECTION

NOTE:

WITHOUT DAMAGE.

THE CURED CONCRETE.

TRAP ASSEMBLY EJIW 5954-6 OR

APPROVED EQUAL

HARDWARE

PROPOSED WEIR WATER TIGHT

AT ALL SIDES AND BOTTOM ---

PROPOSED 18" OUTLET —

PROPOSED 24" INLET -

SECTION A

TOP OF WEIR ELEV.= 675.25

TOP OF STONE ELEV.=677.00

CHAMBER / 24" INV. ELEV.=671.00

BOTTOM OF STONE ELEV.=669.50

34" WQv INFILTRATION

AREA FOR CITY APPROVAL STAMP

12" CONCRETE OR SAKRETE

EXISTING SEWER
TO BE ABANDONED

BRICK BULKHEAD

METHOD No. 1

VOIDS TO BE FILLED —

WITH CEMENT MORTAR

ARCH. EL: 0' - 0" = 682.10' Contractor shall be responsible for reviewing all Plans and Specifications, verifying

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Intro Cleveland

WEST 25TH STREET & LORAIN AVENUE CLEVELAND, OHIO 44113 ISSUED FOR 02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION 03/12/2019 SD APPROVAL 05/20/2019 50% DESIGN DEVELOPMENT 12/10/2019 FOUNDATION PERMIT

08/29/2019 BID RELEASE 3 10/14/2019 BID RELEASE 1 UPDATE 01/15/2020 75% DD PROGRESS 02/14/2020 100% DD PROGRESS
03/13/2020 BUILDING PERMIT
1 03/17/2020 WPC COMMENTS 04/28/2020 CITY COMMENTS

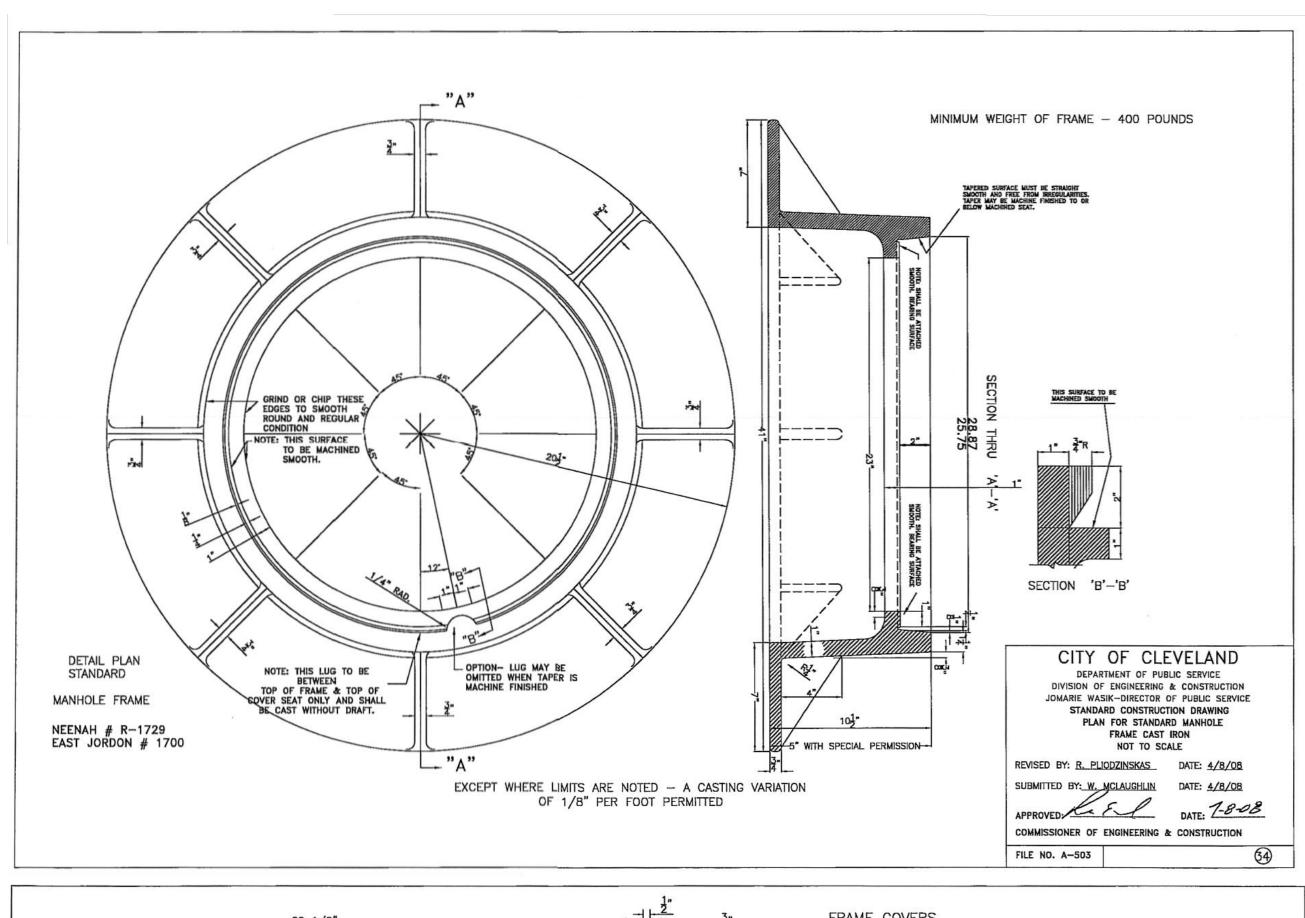
3 05/01/2020 FOUNDATION IFC PROGRESS SET

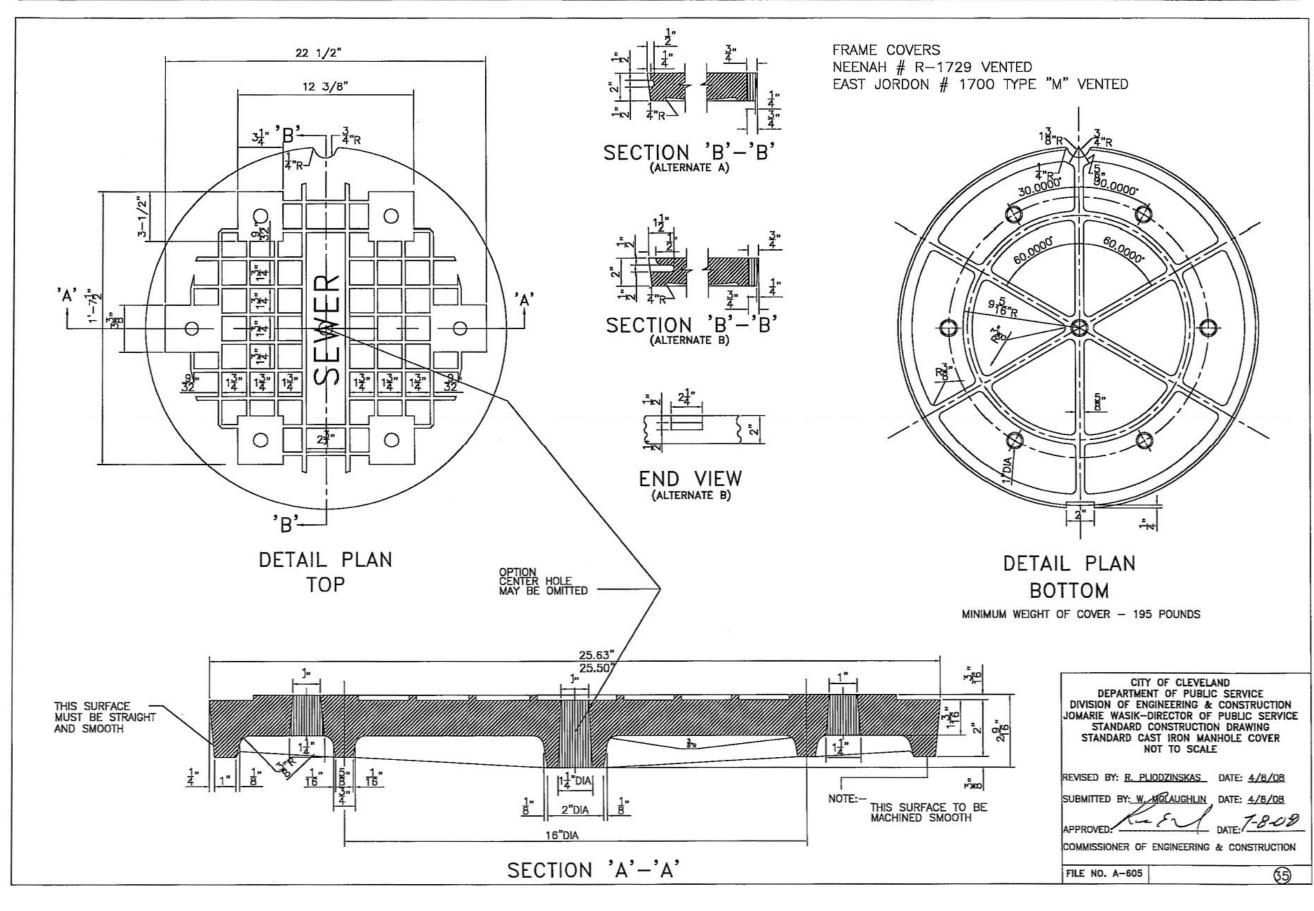
05/15/2020 FOUNDATION IFC

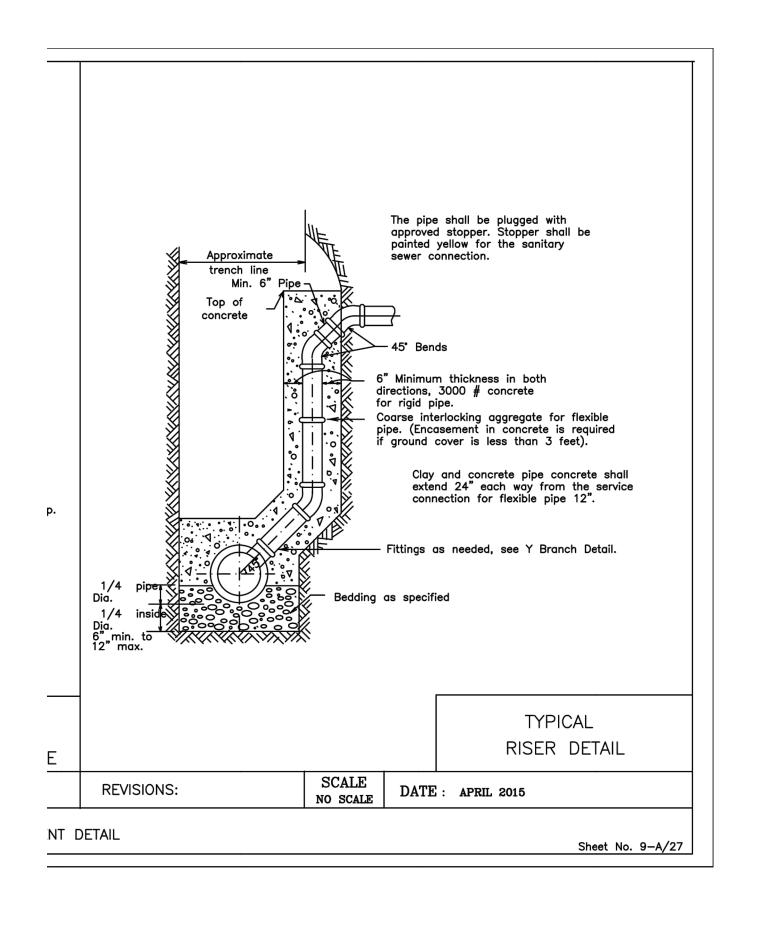
GPD PROJECT NO. 2018350.00 Glaus, Pyle, Schomer, Burns & DeHaven, Inc.

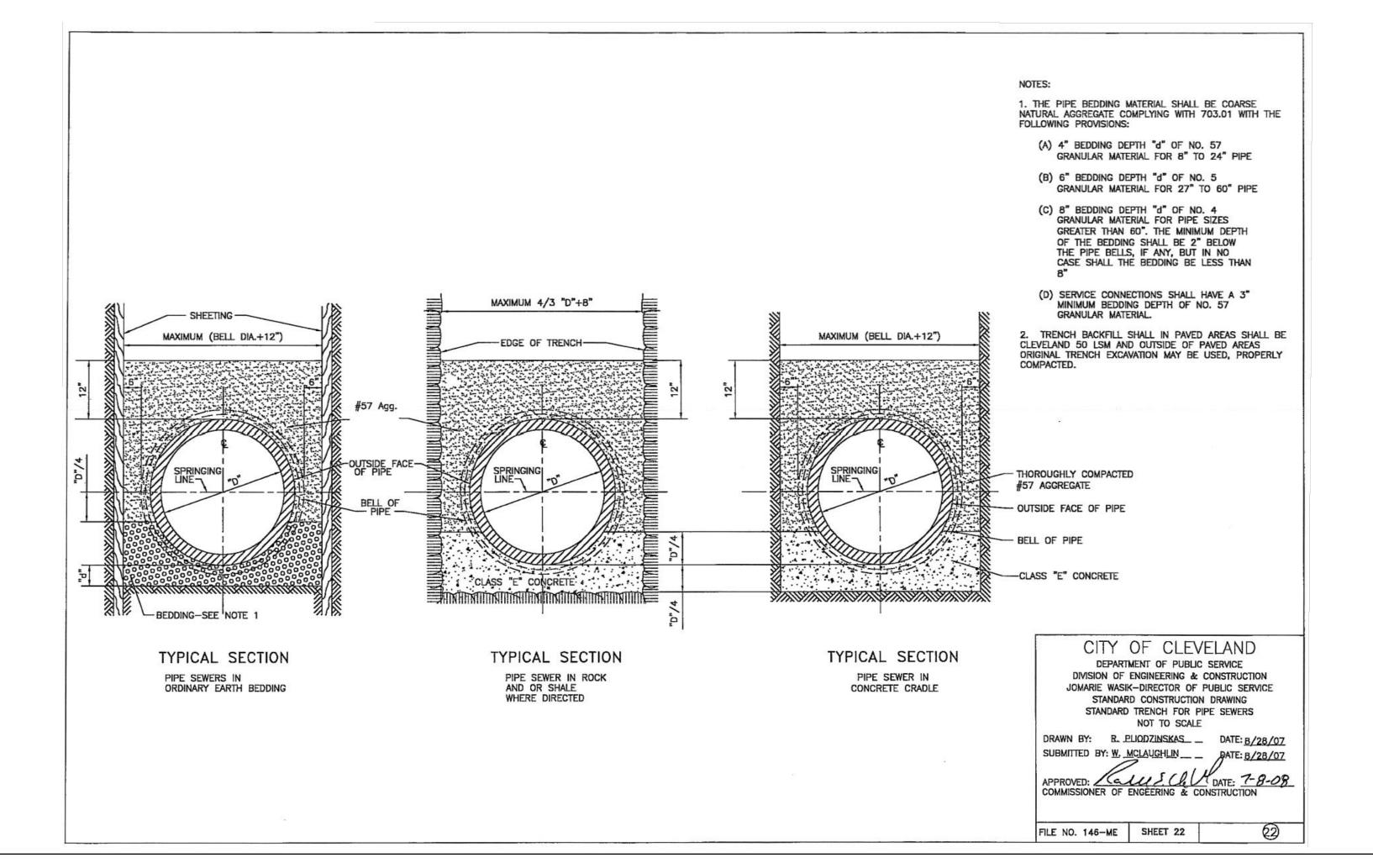
520 South Main Street Akron, Ohio 44311 330.572.2100 Fax 330.572.2101 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2020 SCALE: As indicated DN. BY: NG

DETAILS

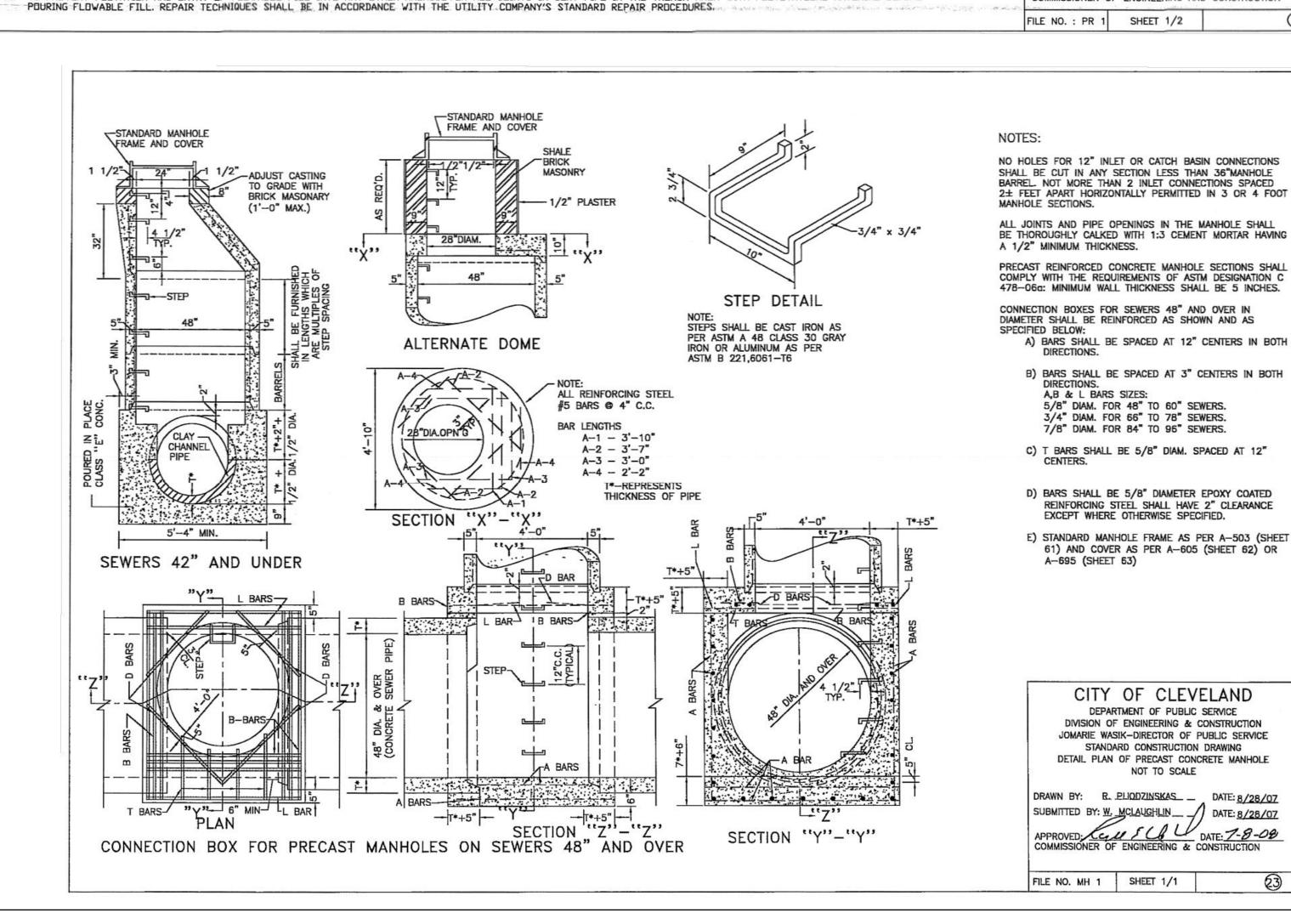


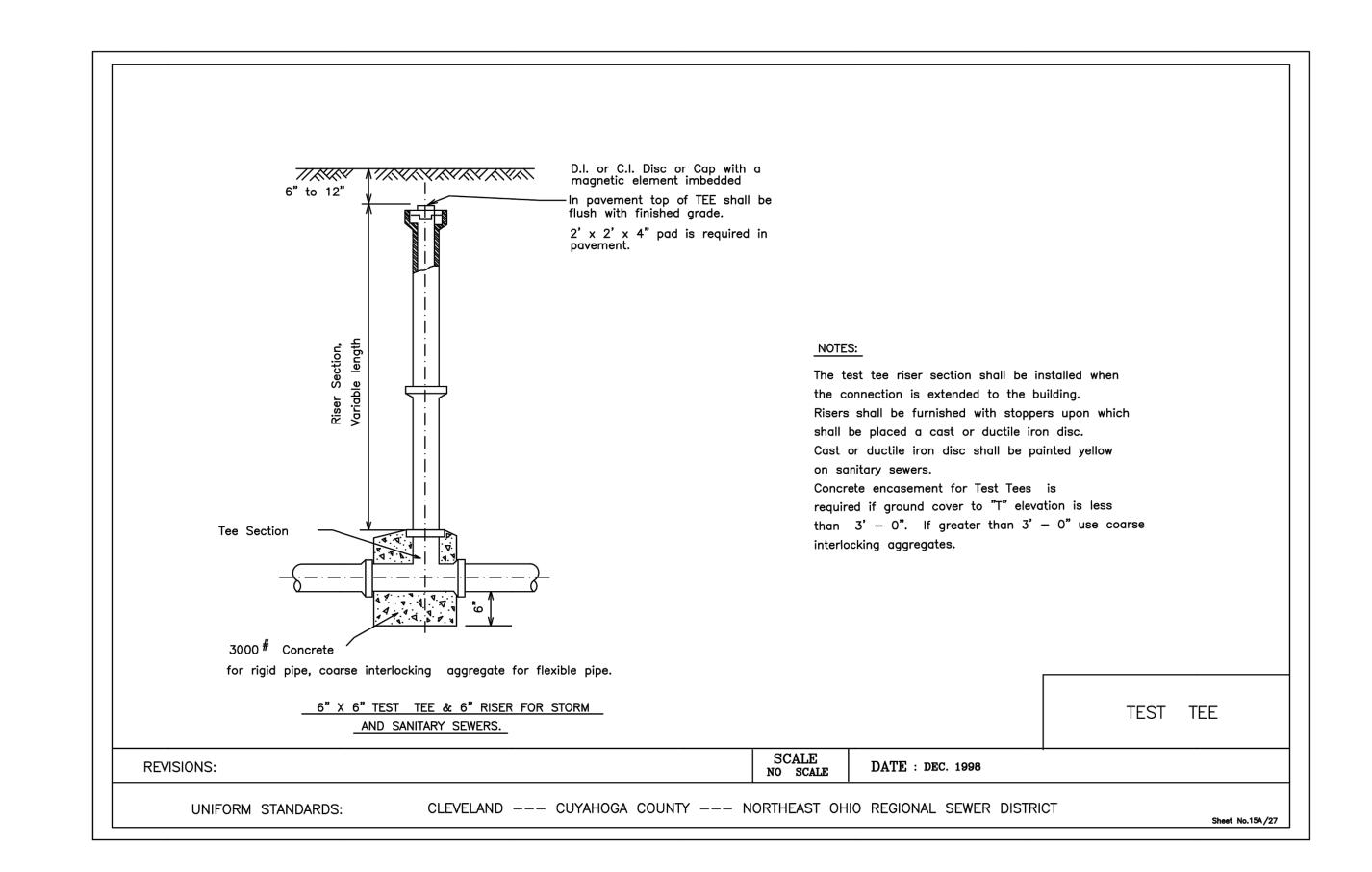


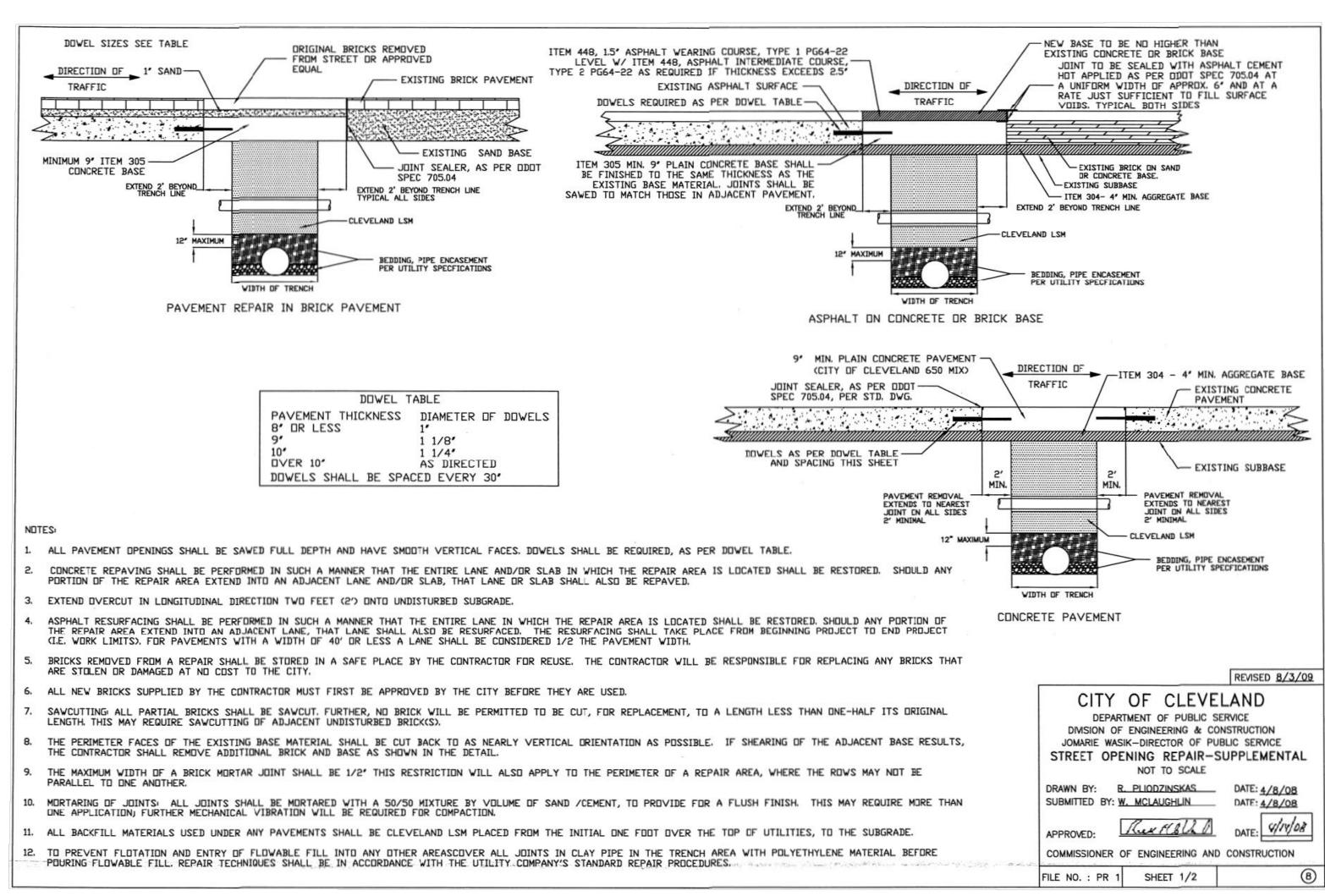




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ARCH. EL: 0' - 0'' = 682.10'

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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 GPD GROUP 520 South Main Street Akron, Ohio 44311 330.572.2100 Fax 330.572.2101 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2020

DN. BY: NG

CITY OF CLEVELAND

DIVISION OF ENGINEERING & CONSTRUCTION

DEPARTMENT OF PUBLIC SERVICE

JOMARIE WASIK-DIRECTOR OF PUBLIC SERVICE

STANDARD CONSTRUCTION DRAWING

DETAIL PLAN OF PRECAST CONCRETE MANHOLE NOT TO SCALE

CITY OF CLEVELAND DETAILS

(1) FULL LENGTH DUCTILE IRON PIPE DUT DF BEND. (ND JOINTS WITHIN 18'-0" DF TOP JOINT.) BELL OR -SPIGOT END LIMITS OF WATER MAIN LOWERING

- 1) 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/A21.10 FOR FULL BODY FITTINGS AND ANSI/AWWA C153/A221.5 FOR COMPACT FITTINGS. ALL FITTINGS ARE NOT AVAILABLE FROM ALL APPROVED MANUFACTURES.
- 2) 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 BOLTLESS 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"

- NOT TO SCALE -DATE: 12-3-2009 BY: RSK STD-L06 OR LSM-CDF. - SEE NOTES -1 AND 2 BELOW -WATER MAIN -AMPLE BELL HOLES ─ SHALL BE FORMED — IN ROCK IN EARTH TO PERMIT PROPER WATER MAIN TRENCH DETAILS - NOT TO SCALE -

1) PREMIUM BACKFILL CONSISTING OF LOW STRENGTH MORTAR - CONTROLLED DENSITY FILL (LSM-CDF) "FLOWABLE FILL" IS 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) 2) 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 ODOT 304.02 OR ODOT 411, NO SLAG IS PERMITTED. 3)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.
- 4) MINIMUM COMPACTION FOR ALL SAND BEDDING, BACKFILL AND PREMIUM BACKFILL SHALL BE 95% STANDARD PROCTOR. 5) PAVEMENT, SIDEWALK OR DRIVES TO BE INSTALLED IN ACCORDANCE WITH LOCAL MUNICIPALITY'S SPECIFICATIONS.

STD-001 DATE: 6-21-2012

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CLEVELAND WATER NOTES FOR WATER MAIN INSTALLATION AND/OR REPLACEMENT

VERSION CAN BE FOUND AT WWW.CLEVELANDWATER.COM/CONSTRUCTION/

1. ALL WATER WORK REQUIRED, WHETHER SHOWN ON THE PLANS OR AS DIRECTED BY CLEVELAND WATER, SHALL BE AT THE EXPENSE OF THE PROJECT UNLESS OTHERWISE AGREED TO BY THE COMMISIONER OF THE CLEVELAND DIVISION OF WATER.

2. THE INFORMATION SHOWN ON THE CLEVELAND DIVISION OF WATER'S SUMMARY OF WORK/CHARGE LETTER, STRIP MAPS, AS BUILT DRAWINGS, AND GIS ARE TAKEN FROM EXISTING AVAILABLE RECORDS, AND THEIR ACCURACY IS NOT GUARANTEED.

3. CALL THE INSPECTION 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 ALTERATION OF ANY PART OF THE WATER SYSTEM BY CONTRACTORS OR THEIR EMPLOYEES IS PROHIBITED WITHOUT THE SUPERVISION OF THE CLEVELAND DIVISION OF WATER INSPECTOR.

4. PRIOR TO REQUESTING CHLORINATION, THE CONTRACTOR SHALL SUPPLY THE CLEVELAND WATER INSPECTOR WITH REDLINE DRAWINGS SHOWING CHANGES MADE FROM THE APPROVED DESIGN DRAWINGS AND ACTUAL MEASUREMENTS, CHLORINATION SHALL NOT OCCUR BEFORE THESE DRAWINGS ARE SUBMITTED. 5. FOR THE PURPOSES OF CHLORINATION AND BACTERIOLOGICAL TESTING OF THE

WATER MAINS THE CONTRACTOR SHALL PROVIDE AND INSTALL, AT EACH OF THE CHLORINATION PIT LOCATIONS SHOWN AND AT OTHER LOCATIONS DETERMINED BY CLEVELAND WATER. FLUSHING / SAMPLING TAP SIZES ARE TO BE DETERMINED CLEVLEAND WATER. CHLORINATION PITS SHALL BE SIX (6) FOOT SQUARE AND ARE TO MEET OSHA STANDARDS. NO CUSTOMER TAPS SHALL BE INSTALLED PRIOR TO

PERFORMED. SHOULD ANY LEAKS OCCUR AND REPAIRS BE REQUIRED DUE TO DEFECTIVE MATERIAL OR POOR WORKMANSHIP. A LETTER INDICATING THE 7. USE BACKFILL MATERIAL AS SPECIFIED AND COMPACT SUFFICIENTLY IN THOSE

AREAS WHERE EXISTING MAINS AND WATER SERVICE CONNECTIONS ARE EXPOSED. (SEE

8. ALL MATERIALS, INCLUDING BUT NOT LIMITED TO WATER MAINS, FIRE HYDRANTS, VALVES, CONNECTION 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

CLEVELAND WATER STANDARD DETAIL STD-001)

DETERMINED THEY WERE DISTURBED, ALL REPAIRS TO DAMAGED EXISTING FACILITIES REQUIREMENTS IF NOT INDICATED ON THE APPROVED PLANS. SHALL BE MADE BY THE CONTRACTOR, AT THE PROJECT' EXPENSE, TO THE SATISFACTION OF CLEVELAND WATER.

HOURS WITH THE PRESSURE BEING MAINTAINED WITHIN 5 PSI OF THE REQUIRED TEST PRESSURE. SHOULD THE PRESSURE TEST FAIL THE CONTRACTOR SHALL FIND AND CORRECT THE DEFICIENCY(IES) TO THE SATISFACTION OF CLEVELAND WATER AND REPEAT THE TWO (2) HOUR PRESSURE TEST.

APPURTENANCES SHALL BE ENCASED WITH POLYETHYLENE WRAPPING IN ACCORDANCE WITH THE MOST CURRENT REVISION OF ANSI/AWWA C-105/A21.5 INSTALLATION METHOD "A". ALTERNATE INSTALLATION METHOD A FOR WET TRENCH CONDITIONS SHALL BE USED WHEN WATER MAINS ARE INSTALLED IN UNPAVED LOCATIONS SUCH AS TREE LAWNS AND EASEMENTS TRAVERSING PRIVATE PROPERTY.

11. ALL BURIED WATER MAINS, FITTINGS, VALVES, FIRE HYDRANT BRANCH PIPING AND

APPROVAL OF FUTURE WORK IF AS-BUILTS ARE NOT SUBMITTED.

13. ALL PIPE, UNLESS OTHERWISE APPROVED BY CLEVELAND WATER, SHALL BE DUCTILE IRON, MINIMUM CLASS 52, CEMENT LINED HAVING PUSH-ON JOINTS WITH RADIALLY COMPRESSED RUBBER RING GASKET AND INSTALLED AS PER THE MOST CURRENT REVISION OF AWWA C600.

14. ALL FITTINGS, UNLESS OTHERWISE CALLED FOR, SHALL BE APPROVED DUCTILE IRON, CLASS 350, CEMENT LINED OR FUSION BONDED EPOXY COATED. ALL FITTINGS AND PIPE CONNECTED TO FITTINGS SHALL BE RESTRAINED USING A "RETAINED" MECHANICAL JOINT CONFORMING TO THE MATERIAL AND PERFORMANCE REQUIREMENTS OF ANSI/AWWA C- 110/A21.10 AND ANSI/AWWA C-111/A21.11, OR "COMPACT" FITTINGS IN ACCORDANCE WITH ANSI/AWWA C-153/A21.53. EXCEPT FOR ANCHOR TEES, REDUCERS OR OTHER SPECIAL CIRCUMSTANCES WHEN BY CLEVELAND WATER, ALL FITTINGS ARE

15. ALL BOLTS AND NUTS ON ALL "RETAINED" MECHANICAL JOINTS SHALL HAVE FIELD APPLIED ONE (1) COAT OF BITUMASTIC PAINTING. 16. WHERE SHOWN ON THE PLANS. OR WHEN OTHERWISE CALLED FOR, PIPE AND FITTINGS SHALL HAVE AN APPROVED "TYPE I" OR "TYPE II" BOLTLESS RESTRAINED

PUSH-ON JOINTS TO THE LIMITS SHOWN ON THE DRAWINGS.

6. A TWO YEAR WARRANTY, COMMENCING FROM THE DATE OF ACCEPTANCE OF THE 17. AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PLUG ALL OPEN PIPE FINAL CHLORINATION OF THE WATER MAIN INSTALLATION SHALL BE PROVIDED BY THE ENDS WITH WATER TIGHT PLUGS AS PER THE "PREVENTITIVE BUILDER/DEVELOPER AND/OR CONTRACTOR FOR ALL WATER MAINS AND SERVICE AND CORRECTIVE MEASURES DURING CONSTRUCTION" SECTION OF THE MOST MAY BE THE DEVELOPER OR BUILDER. IT IS THE RESPONSIBILITY OF THE NEW OWNER CONNECTION WORK PERFORMED BY THE CONTRACTOR, INCLUDING TAPS IF CURRENT REVISION OF AWWA C-651 AS TO PREVENT THE INFILTRATION OR INTRUSION TO TRANSFER ACCOUNTS INTO THEIR NAME WHEN THE PROPERTIES LEGALLY OF ANY FOREIGN OBJECTS OR MATERIALS. DATE STAMPED DIGITAL PHOTOS SHALL BE PROVIDED FOR EACH WORKDAY DEMONSTRATING THAT PROPER AWWA C-651 METHODS COMMENCEMENT DATE AND END DATE OF THE WARRANTY SHALL BE INCLUDE WITH THE 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 PLACED AT THE PLUGGED PIPE END.

> 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 DEEMED INCOMPLETE WITHOUT SAID COLLECTION OF DIGITAL PHOTOS.

18. IN ALL HYDRANT INSTALLATIONS THE CONTRACTOR SHALL FACE ALL HYDRANT'S 4" 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER (STEAMER) NOZZLE TOWARD THE PAVEMENT PRIOR TO TESTING AND CHLORINATION OF MAINS AND APPURTENANCES THEREOF WHEN CONSTRUCTING OR CONNECTING THE WATER MAINS. ONLY CLEVELAND WATER APPROVED HYDRANT MODELS SHALL BE NEW WATER MAIN. THIS SHALL INCLUDE LEADED JOINTS IN EXISTING FITTINGS WHICH INSTALLED. CONTRACTOR SHALL CONSULT WITH THE LOCAL MUNICIPALITY'S MAY REQUIRE REPLACEMENT FITTINGS AT THE DISCRESION OF THE INSPECTOR IF IT IS ENGINEERING OR SERVICE DEPARTMENT TO OBTAIN HYDRANT NOZZLE THREAD

PRESENCE OF THE CLEVELAND WATER INSPECTOR. THE HYDROSTATIC TEST PRESSURE PER THE MOST CURRENT VERSION OF AWWA C509 OR C515. VALVE OPERATING NUTS CASE LESS THAN 150 PSI. THE PRESSURE TEST SHALL BE FOR A DURATION OF TWO (2) THAN 10 YEARS OLD AT TIE IN POINTS TO EXISTING MAINS SHALL BE REPLACED AT THE SUPPLY, A STANDARD CLEVELAND EASEMENT FOR A VAULT SHALL BE PROVIDED. PROJECT'S EXPENSE UNLESS OTHERWISE DIRECTED.

> 20. ANY CITYSIDE LEAD SERVICE CONNECTION ENCOUNTERED SHALL BE REPLACED AND EMERGENCY ASSISTANCE IS REQUIRED, PLEASE NOTIFY CLEVELAND WATER AT WITH TYPE K COPPER OR OTHER APPROVED MATERIAL. IF OWNERSIDE LEAD WILL 216-664-3060. THIS LINE IS AVAILABLE 24/7/365 REMAIN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY CWD BY CALLING 216-664-2882 AND LEAVING A CLEVELAND WATER SUPPLIED CUSTOMER NOTIFICATION DOORHANGER ON ALL ACCESSIBLE POINTS OF ENTRY TO THE HOME.

DEVELOPERS, ENGINEERS, AND CONTRACTORS ARE TO ABIDE BY THE MOST CURRENT 12. THE PROJECT'S PROFESSIONAL ENGINEER OR A DESIGNATED PROFESSIONAL 21. AS PART OF THE AS BUILT SUBMISSION IN NOTE 12, THE CONTRACTOR SHALL VERSION OF THE CLEVELAND WATER NOTES AND DETAILS. THE MOST UP-TO-DATE SURVEYOR SHALL OBTAIN ACTUAL FIELD MEASUREMENTS OF THE MAIN DURING PROVIDE A TABLE SHOWING ALL EXISTING CONNECTIONS, IDENTIFIED BY CLEVELAND INSTALLATION AND SHALL FURNISH THE CLEVELAND WATER INSPECTOR WITH AS-BUILT WATER CONNECTION NUMBER. SHOWING THE FOUND CONNECTION MATERIAL FOR BOTH DRAWINGS MEETING CLEVELAND WATER STANDARDS WITHIN 30 DAYS OF THE WATER THE CITYSIDE AND OWNERSIDE CONNECTION, AS WELL AS THE NEW CONNECTION MAIN GOING INTO SERVICE AND ALL TAPS/RETAPS BEING MADE. ONE HARD COPY AND MATERIAL FOR ALL CONNECTIONS REPLACED. THE TABLE SHALL ALSO NOTE ANY ONE PDF COPY SHALL BE PROVIDED. DRAWINGS SHALL BE SIGNED, DATED, AND REVISED CONNECTION MEASUREMENTS AND SIZES. A SAMPLE TABLE WILL BE PROVIDED. STAMPED WITH THE ENGINEER OR SURVEYOR'S SEAL REDLINE DRAWINGS ARE NOT THE SUBMISSION SHALL BE IN MICRSOFT EXCEL FORMAT, CLEVELAND WATER SHALL SUFFICIENT. CLEVELAND WATER RESERVES THE RIGHT TO WITHHOLD PAYMENT AND/OR REQUIRE THE DELIVERY AND ACCEPTANCE OF THIS TABLE BEFORE THE PRESSURE TEST

> 22. 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 TAPS BEING INSTALLED. ALL PERMITS FOR TAPS AND METERS FOR PARCELS ASSOCIATED WITH THE WATER MAINS INSTALLED ON THIS PROJECT ARE TO BE

AND CHLORINATION/DISINFECTION OF THE MAIN WILL BE PERMITTED.

OBTAINED BY THE LAND OWNER OF SAID IMPROVEMENT PLANS. IT

IS 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 216-664-3130 PROMPT #7 OR 216-664-2444 X75209. ACCOUNTS SHALL BE INITIATED IN THE LAND OWNER'S NAME AS PART OF THE PERMITTING PROCESS. ALL RESPONSIBILITIES ASSOCIATED WITH EACH WATER SERVICE, INCLUDING, THE OWNER SIDE INSPECTIONS, METER SET/METER PIPING INSPECTION AND THE METER INSTALLATION SHALL BE THE RESPONSIBILITY OF SAID

METERS INSTALLATIONS WILL NOT BE AUTHORIZED TO BE INSTALLED UNTIL ALL INSPECTIONS HAVE BEEN COMPLETED. ESTIMATED BILLS MAY ENSUE IF A HOME IS IDENTIFIED AS HAVING WATER SERVICE BUT NO METER HAS BEEN INSTALLED. IF NEW OWNERS, ONCE PARCELS ARE SOLD OFF AND TRANSFER TITLE, DO NOT CONTACT CLEVELAND WATER TO ESTABLISH ACCOUNTS IN THEIR NAME, ACCOUNTS AND THEIR ASSOCIATED BILLS WILL REMAIN IN THE NAME OF OUR LAST OWNER OF RECORD WHICH TRANSFER. UPON TRANSFER OF PROPERTY, SELLER OF PROPERTY MUST COMMUNICATE ALL UNCOMPLETED PORTIONS OF THE REFERENCED RESPONSIBILITIES

23. ONE INCH SERVICE CONNECTIONS SHALL BE PERMITTED TO SERVICE NEW HOMES PHOTOS SHALL BE SUBMITTED ON A DAILY BASIS UNLESS OTHERWISE DEFINED BY THE

(AS SHOWN ON APPROVED WATER MAIN EXTENSION PLANS) BASED ON THE FOLLOWING

> PEAK FLOW DEMANDS DO NOT EXCEED 25 GPM FOR AN INDIVIDUAL HOME/UNIT. INCLUSIVE OF ALL USAGE (DOMESTIC AND/OR IRRIGATION),

• LENGTH OF ONE INCH CONNECTION DOES NOT EXCEED 75 FEET AS MEASURED FROM THE MAIN TO THE POINT OF ENTRY INTO THE PROPOSED HOME/UNIT.

ANY SERVICE REQUESTS DIFFERING FROM THE STATED CRITERIA SHALL REQUIRE THE SUBMITTAL OF A COMPLETE WATER SERVICE APPLICATION FOR EACH WATER SERVICE

24. ALL CURB VALVE BOXES & METER VAULTS WILL BE INSTALLED IN GRASS AREAS 10. ALL HYDROSTATIC PRESSURE TESTING SHALL BE DONE BY THE CONTRACTOR IN THE 19. ALL VALVES SHALL BE AN APPROVED MODEL RESILIENT SEATED GATE VALVES AS WHEN POSSIBLE, CURB VALVES IN EASEMENTS SHALL BE PLACED APPROXIMATELY 3 FEET OFF THE WATER MAIN. IF VALVE BOXES OR METER VAULTS ARE INSTALLED SHALL BE 75 PSI ABOVE THE STATIC PRESSURE PREVAILING AT THE SITE, BUT IN NO SHALL BE TAPERED (1 7/8" TO 2" FROM TOP TO BOTTOM) AND 2" DEEP. VALVES MORE OUTSIDE OF A DEDICATED RIGHT OF WAY OR EASEMENT FOR THE PURPOSES OF WATER

THE CONNECTIONS DO NOT INCLUDE LIMITED AREA OR NFPA 13D SPRINKLER

25. IF A WATER MAIN OR SERVICE CONNECTION BREAK OCCURS DURING CONSTRUCTION

DATE: 11/28/2017 BY: FSR STD-011



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

Contractor shall be responsible for reviewing all Plans and Specifications, verifying 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

Contractor is responsible for design and installation of properly sized and loaded systems. Submit shop drawings to architect for approval on conformity 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. Work scope pertinent to all disciplines occurs throughout the Contract Documents. By submitting a bid for this work the Contractor and all subcontractors attest tha they have reviewed the entire contract document set and site conditions and have included all applicable work. Additional Architectural Specification copies are available anytime upon request.

assignment to any third party shall not occur without obtaining expressed written permission and consent of Hartshorne Plunkard, LTI Intro Cleveland

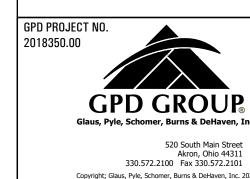
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02/01/2019 ENTITLEMENT SUBMITTAL 03/04/2019 PROGRESS - NOT FOR CONSTRUCTION 05/20/2019 50% DESIGN DEVELOPMENT

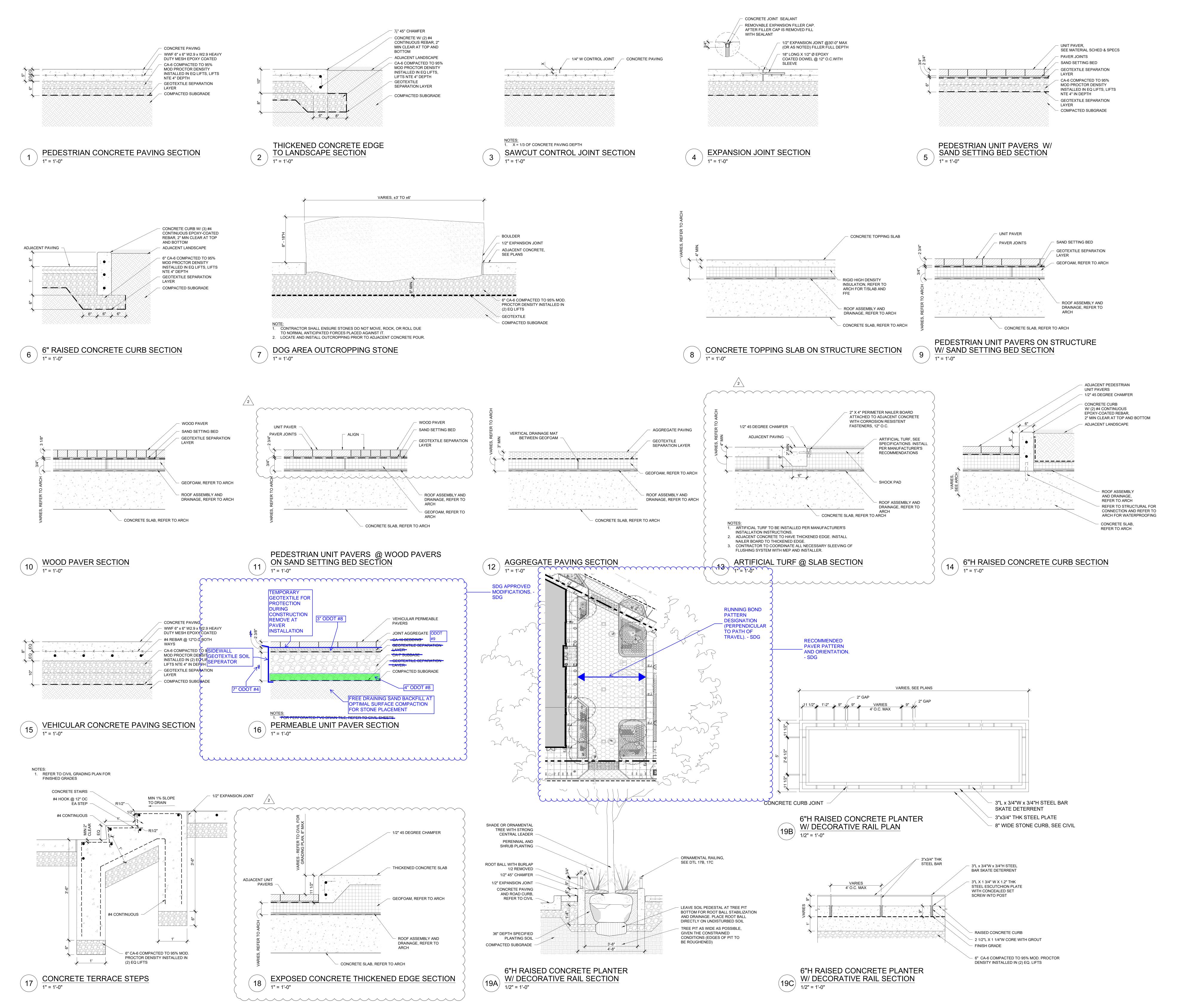
08/29/2019 BID RELEASE 3 10/14/2019 BID RELEASE 1 UPDATE 12/10/2019 FOUNDATION PERMIT 01/15/2020 75% DD PROGRESS 03/13/2020 BUILDING PERMIT

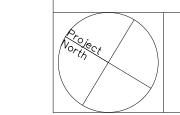
04/28/2020 CITY COMMENTS 05/01/2020 FOUNDATION IFC PROGRESS SET



CITY OF CLEVELAND DETAILS

SCALE: As indicated DN. BY: NG





site design group, ltd.

t: 312.427.7240 www.site-design.com

888 South Michigan Avenue #1000, Chicago, IL 60605

L-503A

HARDSCAPE DETAILS

DRAWN BY: YS/DZ CHECKED BY: PP/BM

ARCH. EL: 0' - 0" = 682.10

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all existing conditions prior to proceeding with Construction, complying with all

Contractor shall construct the work in conformance with all applicable building

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included all applicable work. Additional Architectural Specification copies are

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ISSUANCES

05/01/2020 FOUNDATION IFC PROGRESS S

05/20/2019 | 50% DESIGN DEVELOPMENT

DATE ISSUED FOR

△ 06/12/2020 CONSTRUCTION

05/15/2020 FOUNDATION IFC

03/13/2020 BUILDING PERMIT

01/15/2020 75% DD PROGRESS

02/25/2019 PROGRESS- NOT FOR CONSTRUCTION

02/01/2019 ENTITLEMENT SUBMITTAL

11/27/2018 ENTITLEMENT SUBMITTAL

11/22/2019 BID RELEASE 3

03/12/2019 SD APPROVAL

02/14/2020 100% DD

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Architect immediately of any discrepancies or conflicts.

AREA FOR CITY APPROVAL STAMP

Landscape Architect