

BENCHMARK

EX. STMH#12
RIM = 1017.59'
N = 14926.19
E = 14811.66

LEGEND

REC. - RECORD DISTANCE OR ANGLE	○ - CATCH BASIN	— - CONCRETE CURBING
CAL. - CALCULATED DISTANCE OR ANGLE	⊕ - WATER METER	— - HEAVY DUTY CONCRETE PAVEMENT SEE DETAIL SHT C6
OBS. - OBSERVED DISTANCE OR ANGLE	⊕ - WATER VALVE	— - REGULAR DUTY CONCRETE PAVING, CONCRETE SIDEWALK OR CONC. PAD SEE DETAILS SHT C6
T.P.O.B. - TRUE PLACE OF BEGINNING	—X—X— - FENCE	— - STONE DRIVE / PAD, SEE DETAIL SHT. C6
P.O.B. - PLACE OF BEGINNING	⊕ - GAS VALVE	
■ - MONUMENT BOX	⊕ - POST	
● - MONUMENT FOUND, SIZE & TYPE AS INDICATED.	⊕ - HANDICAP SPACE	
○ - 5/8" REBAR, 30 INCHES IN LENGTH, WITH I.D. CAP & A SET	⊕ - RIGHT-OF-WAY	
△ - P.K.(MASONRY) NAIL SET	⊕ - GAS LINE MARKER	
⊕ - POWER POLE	⊕ - MANHOLE	
⊕ - LIGHT POLE	⊕ - SANITARY MANHOLE	
⊕ - TELEPHONE POLE	⊕ - ELECTRIC BOX	
⊕ - HYDRANT	⊕ - CENTERLINE	
	(XXXXXX) - RECORD BEARING	
	XXXXXX - DISTANCE	

GENERAL

THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MASSILLON AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION REQUIREMENTS, STANDARDS, AND SPECIFICATIONS.

ALL KNOWN UTILITIES HAVE BEEN SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

VERIFY EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION. INFORM OWNER OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL ALERT THE OHIO UTILITIES PROTECTION SERVICE AT 800-362-2764 AND OTHER APPROPRIATE UTILITIES AS NECESSARY AT LEAST FORTY- EIGHT (48) HOURS BEFORE ANY EXCAVATION OR CONSTRUCTION IS INITIATED TO ARRANGE FOR UTILITY VERIFICATION AND CONSTRUCTION INSPECTION SERVICES, RESPECTIVELY. INFORM OWNER OF ANY DISCREPANCIES.

HORIZONTAL AND VERTICAL CONTROL MONUMENTS AFFECTED BY THE PROJECT SHALL BE REMOVED AND REPLACED TO THEIR ORIGINAL REFERENCE LOCATIONS AND ELEVATIONS BY THIS CONTRACTOR.

ALL ROAD SURFACES, UTILITIES, BUILDINGS, STRUCTURES, SITE CONDITIONS, OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT ARE TO BE RESTORED COMPLETELY TO THE BEFORE CONSTRUCTION CONDITION OR BETTER WHEN ORDERED BY THE OWNER AND/OR THE CITY OF MASSILLON ENGINEER.

ALL EXISTING SITE PARKING AND ACCESS DRIVE PAVEMENT MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. RECYCLING OF PAVEMENT MATERIAL MAY BE APPROVED AS FILL OR BASE MATERIAL IF IT MEETS PROPER SPECIFICATIONS PER OHIO DOT.

ALL DISTURBED SIGNS, GUARDRAIL, MAIL AND/OR PAPER BOXES, DRIVES AND DRIVE CULVERTS SHALL BE REPAIRED AND/OR REPLACED AS DIRECTED BY THE OWNER.

ALL DISTURBED AND/OR DAMAGED STORM SEWER PIPES, STORM SEWER APPURTENANCES, PAVEMENTS, BERMS AND DITCHES SHALL BE REPAIRED AND/OR REPLACED AS DIRECTED BY THE OWNER.

ANY DEFECTS IN THE CONSTRUCTION INCLUDING MATERIALS OR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHOD PRIOR TO ACCEPTANCE BY THE OWNER.

THE CONSTRUCTION OF THIS PROJECT SHALL BE GOVERNED BY THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) SUPPLEMENTED WHERE APPLICABLE BY THE LOCAL SPECIFICATIONS.

CONTRACTOR SHALL NOTIFY THE OWNER TWENTY-FOUR (24) HOURS PRIOR TO STARTING CONSTRUCTION.

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

UTILITIES

ALL WATER LINES, STORM SEWERS, SEWERS AND THEIR APPURTENANCES SHALL BE CONSTRUCTED, TESTED AND INSPECTED UNDER THE SUPERVISION OF THE LOCAL GOVERNING AUTHORITY.

EXCAVATIONS SHALL BE SHORED OR SLOPED AS NECESSARY TO PROVIDE SAFE WORKING CONDITIONS DURING CONSTRUCTION. IN DEEP TRENCHES OR WHERE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, A TRENCH BOX OR OTHER METHOD OF EMBANKMENT STABILIZATION WILL BE REQUIRED.

MAXIMUM ALLOWABLE UNDERGROUND UTILITY TRENCH WIDTH FOR SERVICES SHALL BE 3 FEET, UNLESS NOTED OTHERWISE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DOCUMENTATION OF ALL SANITARY & STORM SEWER LATERALS, AND WATER SERVICES AS THEY ARE ENCOUNTERED DURING EXCAVATION ON THE PROJECT.

THESE REQUIREMENTS ARE TO BE FOLLOWED REGARDLESS OF THE MATERIAL USED TO BACKFILL OR FILL. THESE REQUIREMENTS PERTAIN TO INSTALLATION OF ALL UTILITIES, NOT JUST THE STORM SEWER.

ALL UTILITY TRENCHES OUTSIDE THE 45' INFLUENCE LINE SHALL BE BEDDED AND BACKFILLED WITH #57 LESTONE A MINIMUM OF 6" ABOVE THE PIPE CROWN.

THE OWNER, HIS AGENT OR CONTRACTOR, MUST USE ONLY APPROVED OHIO D.O.T. MATERIAL FOR BACKFILLING OPERATIONS UNDER PROPOSED PAVEMENT OR WITHIN THE 45' INFLUENCE LINE.

REGARDLESS OF THE TYPE OF BACKFILL USED ON THIS PROJECT, THE OWNER OR HIS AGENT MUST PROVIDE THE TESTING SERVICES NECESSARY TO CHECK THE DENSITY OF THE MATERIALS PLACED IN TRENCHES OR FILL AREAS AS DIRECTED BY THE PROJECT ENGINEER. THE OWNER WILL BE RESPONSIBLE FOR PAYMENT FOR THE TESTING SERVICES.

ANY MATERIALS THAT ARE NOT ABLE TO BE COMPACTED TO THE REQUIRED COMPACTION WILL NEED TO BE REMOVED AND REPLACED WITH MATERIALS THAT CAN ACHIEVE THE REQUIRED COMPACTION.

ANY TRENCH BACKFILLING OUTSIDE THE PAVED AREAS SHALL HAVE A COMPACTION OF A MINIMUM OF 80% OF THE MAXIMUM LABORATORY DRY DENSITY. THE PROJECT ENGINEER MAY SPOT TEST THESE AREAS FOR COMPLIANCE WITH THE REQUIREMENTS.

WHEREVER UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED THAT ARE NOT INDICATED ON THE PLANS, THE WORK SHALL BE DISCONTINUED UNTIL THE PROJECT ENGINEER AND THE COUNTY APPROVE THE METHOD AND MATERIALS TO BE INCORPORATED INTO THE WORK, AS ALL CONDUITS SHALL BE INSTALLED ON A FIRM BED FOR ITS FULL LENGTH IN ACCORDANCE WITH APPLICABLE OHIO D.O.T. REQUIREMENTS UNLESS OTHERWISE SPECIFIED.

AT ALL LOCATIONS, THE CONTRACTOR SHALL AVOID DISTURBANCE OF EXISTING ROADWAY PAVEMENTS. ONLY AREAS AS INDICATED ON THE PLANS SHALL BE DISTURBED. AT LOCATIONS WHERE DISTURBANCE IS EMINENT, THE CONTRACTOR SHALL CONTACT THE CITY FOR APPROVAL. ALL REPLACEMENT WILL BE AS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING WATER AND SEWERAGE SYSTEMS.

A WITNESS STAKE SHALL BE PROVIDED AT THE END OF EACH LATERAL AND WATER SERVICE. THE STAKE SHALL EXTEND A MINIMUM OF THREE (3) FEET ABOVE GRADE AND SHALL BE COLOR CODED AS FOLLOWS:

SANITARY & STORM SEWER	GREEN
GAS, OIL, STEAM OR PETROLEUM	YELLOW
WATER & IRRIGATION	BLUE
ELECTRIC & LIGHTING	RED
COMMUNICATION, ALARM OR SIGNAL	ORANGE
SURVEY MARKINGS	PINK
EXCAVATION	WHITE

ALL MANHOLE CONNECTIONS SHALL CONFORM TO THE CITY OF MASSILLON STANDARD CONSTRUCTION SPECIFICATIONS AND REQUIREMENTS

ALL SEWER AND SURFACE DRAINAGE CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE STATE OF OHIO CONSTRUCTION AND MATERIALS SPECS.

ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRIOR TO INSTALLATION OF PAVEMENT.

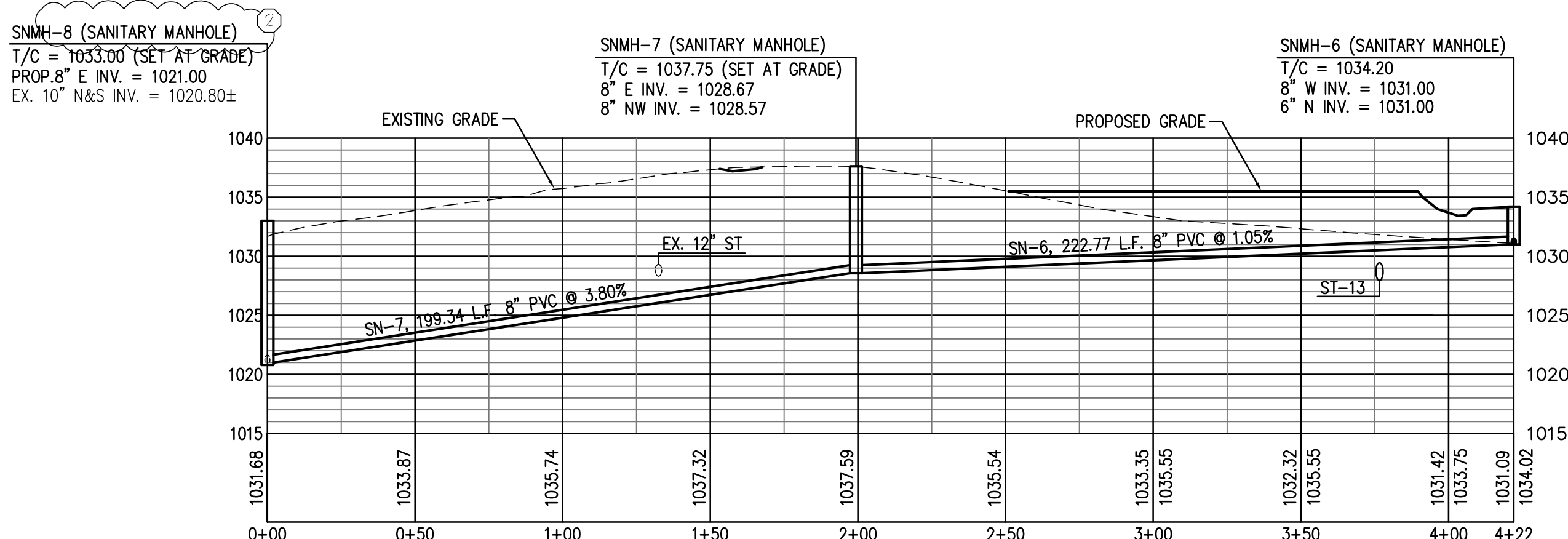
E.P.A. CLEARANCES AND GUIDELINES

A 12" VERTICAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF ALL WATERMAINS TO THE EDGE OF ALL PROPOSED STORM SEWERS AND/OR INLET LEAD PIPE WHERE THEY CROSS.

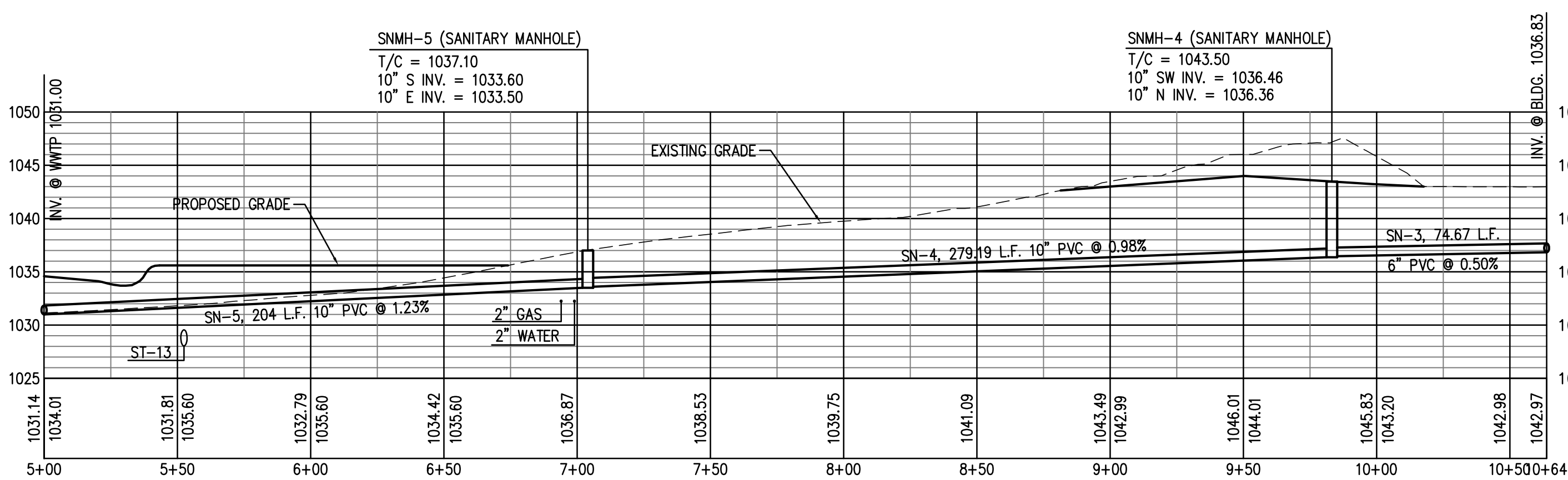
A 4.0' MINIMUM HORIZONTAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF THE WATERMAIN PIPE TO THE EDGE OF THE STORM SEWER PIPE AND STORM SEWER MANHOLES.

A 10.0' MINIMUM HORIZONTAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF THE WATERMAIN PIPE TO THE EDGE OF THE SANITARY SEWER AND/OR FORCE MAIN PIPE.

AN 18" MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED FROM THE EDGE OF ALL WATER MAINS &/OR SERVICES TO THE OUTSIDE EDGE OF ALL SANITARY SEWER PIPES WHERE THEY CROSS.

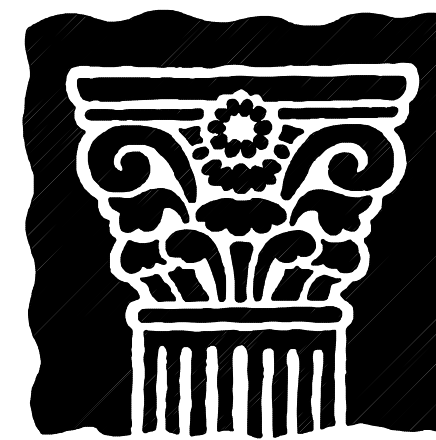


PROFILE 'A'



PROFILE 'B'

PHASE 2 SANITARY PLAN AND PROFILES

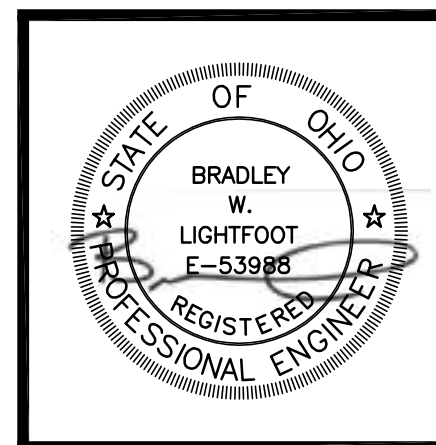


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PHASE 2 ADDITIONS
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4100 MILLENNIUM BOULEVARD SE
MASSILLON, OHIO 44046



Project Number
10003
Date
07-09-10
Scale
AS SHOWN

Sheet
C7

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