

U.S. ROUTE 20 SEWER EXTENSION

PROJECT #08-016

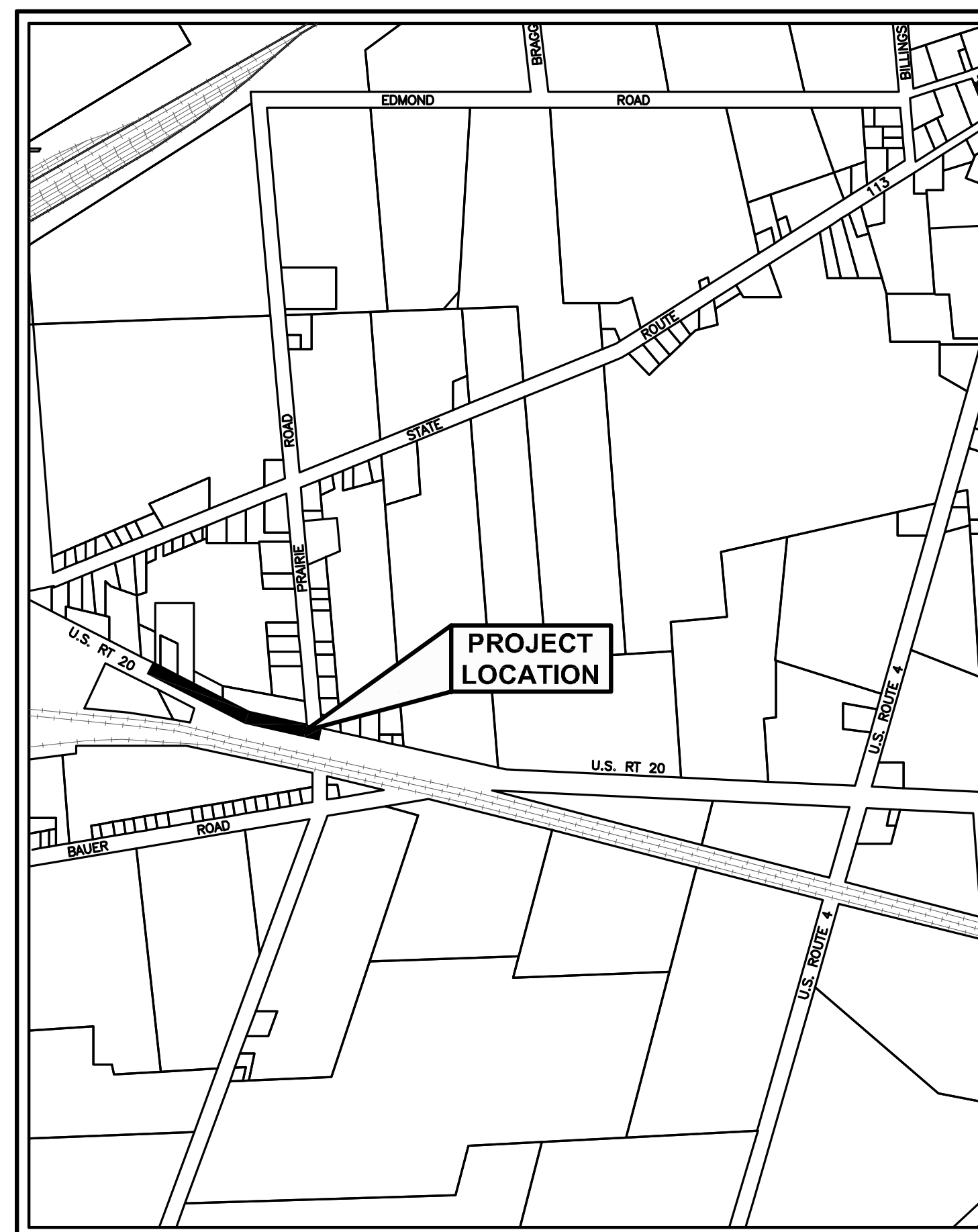
CITY OF BELLEVUE

HURON COUNTY, OHIO

AUGUST 2011

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LOCATION MAP

NOT TO SCALE

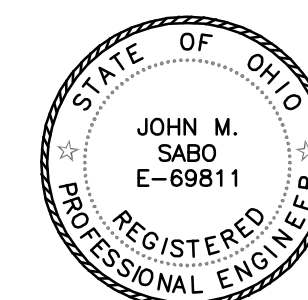
UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
Call... 800-362-2764 (Toll Free)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY



CONSULTING ENGINEERS
35585 CURTIS BOULEVARD, UNIT C EASTLAKE, OHIO 44095
440-953-1567 - PH. 440-953-0580 - F

JOHN M. SABO, PE# E-69811

DATE _____



CITY OFFICIALS

HONORABLE MAYOR.....DAVID E. KILE
SAFETY-SERVICE DIRECTOR.....JEFFREY A. CROSBY
CITY ENGINEER.....KEVIN C. SCAGNETTI
AUDITOR.....STEVEN D. SMITH
TREASURER.....DONALD R. BERKEY
LAW DIRECTOR.....DAVID A. WALLINGFORD

MEMBERS OF COUNCIL

COUNCIL PRESIDENT.....KAREN L. JUSTICE
1st WARD.....JUDITH KONST
2nd WARD.....JODI KEISER
3rd WARD.....CATHERINE SCHAFER
4th WARD.....EDMUND MATZ, JR.
AT LARGE.....ROSE MARY NASCONE
AT LARGE.....MARK BROOKS
AT LARGE.....SHERRARD BARR
CLERK OF COUNCIL.....RHONDA SOPER

APPROVALS

CITY OF BELLEVUE CITY ENGINEER:

KEVIN C. SCAGNETTI, PE _____ DATE _____

CITY OF BELLEVUE SAFETY-SERVICE DIRECTOR:

JEFFREY A. CROSBY _____ DATE _____

CITY OF BELLEVUE WATER POLLUTION CONTROL SUPERINTENDENT:

ERIC MACMICHAEL _____ DATE _____

EXISTING WATERLINES:
THE LOCATION AND SIZE OF EXISTING WATERLINES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND IS NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT LOCATION AND SIZES OF THE EXISTING WATERLINES SHALL BE DETERMINED BY THE CONTRACTOR BEFORE ANY FITTINGS ARE LAID WHICH WILL BE USED FOR CONNECTING TO THE EXISTING WATERLINES. THIS SHOULD BE DONE BEFORE PREPARATION OF LAYING SCHEDULES. IF THE SIZES ARE NOT AS INDICATED ON THE PLANS, THE PROPER SIZES OF FITTINGS, VALVES, TAPPING SLEEVES, AND ANY OTHER MATERIAL NEEDED TO MAKE THE CONNECTION SATISFACTORY TO THE ENGINEER SHALL BE MADE AND PAYMENT WILL BE IN THE APPROPRIATE PAY ITEMS.

EXISTING UTILITIES:
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

BORING AND JACKING:
NOTE PER ODOT STANDARDS ALL BORING PITS ARE REQUIRED TO BE A MINIMUM OF 10 FEET FROM THE EDGE OF ANY PAVEMENT SURFACE.

UTILITIES AND PUBLIC SERVICE CORPORATIONS:
THE CONTRACTOR SHALL NOTIFY ALL PUBLIC SERVICE CORPORATIONS, REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE MEMBERS AND OR NON-MEMBER OWNERS HAVING WIRE, POLES, PIPES, CONDUITS OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION AT LEAST TWO WORKING DAYS BEFORE BREAKING GROUND. THE CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE BEFORE DIGGING (1-800-362-2764).

UTILITIES WITHIN THE PROJECT LIMITS ARE:

CITY OF BELLEVUE WATER FILTRATION PLANT & DISTRIBUTION: 830 EAST CENTER STREET BELLEVUE, OHIO 44811 (419) 483-3819	WITEL COMMUNICATIONS ONE TECHNOLOGY CENTER 100 S. CINCINNATI TULSA, OKLAHOMA 74103 (330) 647-0297 TOM SMITH	CITY OF BELLEVUE ENGINEER MR. KEVIN SCAGNETTI, PE 3000 SENECA INDUSTRIAL PARKWAY BELLEVUE, OHIO 44811 (419) 484-5500
COLUMBIA GAS OF OHIO 1800 BROAD AVENUE FINDLAY, OHIO 45840 (419) 427-3226	OHIO EDISON COMPANY 300 MADISON STREET TOLEDO, OHIO 43652 (419) 665-2621	O.D.OT., DISTRICT 3 OFFICE 906 NORTH CLARK ST. ASHLAND, OHIO 44805 (800) 276-4188 - JOHN SCHAFRATH
DOMINION TELECOM 16363 PEARL ROAD, SUITE 100-C STRONGSVILLE, OHIO 44136 (440) 846-0252	VERIZON (TELEPHONE) 82 TOWNSEND AVENUE NORWALK, OHIO 44857 (419) 425-2225	O.D.OT., DISTRICT 2 OFFICE 317 EAST POE ROAD BOWLING GREEN, OHIO 43402 (419) 353-8131
LEVEL 3 COMMUNICATIONS 1025 ELDORADO BOULEVARD BROOMFIELD, COLORADO 80021 (720) 888-6481	TIME WARNER CABLE 820 NORTH MAIN STREET FINDLAY, OHIO 45840 (800) 425-2225	O.D.OT., CENTRAL OFFICE - REAL ESTATE 1980 WEST BROAD ST. COLUMBUS, OHIO 43223 (614) 466-4119 - MYRA BINNS
CITY OF BELLEVUE STREET DEPARTMENT 3000 SENECA INDUSTRIAL PARKWAY BELLEVUE, OHIO 44811 (419) 483-7503	NORTHERN OHIO RURAL WATER BRIAN PUDER P.O. BOX 96 COLLINS, OHIO 44826 419-668-7213	CITY OF BELLEVUE WATER POLLUTION CONTROL & COLLECTION: 500 GREAT LAKES PARKWAY BELLEVUE, OHIO 44811 (419) 483-7514

UTILITY POLE AND GUY WIRES
THE CONTRACT IS RESPONSIBLE TO COORDINATE WITH EACH UTILITY COMPANY PRIOR TO ANY UTILITY POLE OR GUY ANCHOR RELOCATION PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO PROVIDE TEMPORARY SUPPORT AND STABILIZATION FOR ANY UTILITY POLE OR GUY ANCHOR WITHIN 10 FEET OF ANY OPEN UTILITY TRENCHING WORK.

SUBSURFACE CONDITIONS:
IT IS THE OBLIGATION AND RESPONSIBILITY OF THE BIDDER TO MAKE INVESTIGATIONS OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING A PROPOSAL. THE BIDDER MAY EXAMINE THE RECORDS OF ALL BORINGS, TEST EXCAVATIONS AND OTHER SUBSURFACE INVESTIGATIONS, IF ANY, MADE SOLELY FOR DESIGN PURPOSES, FOR THE OWNER. SAID BORINGS, TEST EXCAVATIONS AND OTHER SUBSURFACE INVESTIGATIONS ARE NOT WARRANTED TO SHOW THE ACTUAL SUBSURFACE CONDITIONS. THE CONTRACTOR AGREES THAT NO CLAIM SHALL BE MADE AGAINST THE OWNER OR ENGINEER IF, IN CARRYING OUT THE WORK, IT IS FOUND THAT THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED DO NOT CONFORM TO THOSE INDICATED BY SAID BORINGS, OR SHOWN ON THE PLAN, TEST EXCAVATIONS AND OTHER SUBSURFACE INVESTIGATIONS.

MEASUREMENTS:
POLES, TREES, BUILDINGS, MANHOLES AND OTHER ITEMS INDICATED ON THE PLANS ARE TO THE CENTER OF THE INDICATED OBJECT AND BEING AT RIGHT ANGLES FROM BASELINE STATIONING.

BENCHMARKS:
BENCHMARKS WHICH ARE GIVEN HEREON ARE BASED AS NOTED ON PLANS AND ARE THE BASIS OF THE PROPOSED CONSTRUCTION ELEVATIONS.

ACCESSIBILITY TO PRIVATE PROPERTY:
ACCESS TO ALL DRIVEWAYS AND PARKING AREAS WITHIN THE PROJECT WORK LIMITS SHALL BE MAINTAINED AT ALL TIMES.

SAFETY & SERVICE DEPARTMENTS:
CONTRACTOR SHALL NOTIFY ALL EMERGENCY AND PUBLIC SERVICES (SAFETY-SERVICE DIRECTOR, NORTH CENTRAL EMS, FIRE DEPT., POLICE DEPT., SHERIFF DEPT., AMBULATORY, SCHOOLS AND THE POST OFFICE) ONE WEEK PRIOR TO ANY ROAD CLOSING OR DETOURS IN CONSIDERATION WITH THE CONSTRUCTION OF THIS CONTRACT. NOTIFICATION SHALL BE BY CERTIFIED LETTER WITH A COPY AND RETURN RECEIPT SUBMITTED TO THE ENGINEER.

POLYETHYLENE ENCASEMENT:
ALL DUCTILE CAST IRON PIPE, FITTINGS AND APPURTENANCES ARE TO BE ENCASED WITH 8 MIL. THICK POLYETHYLENE WRAP. BOTH MATERIAL AND INSTALLATION TO MEET ANSI A21.5, AWWA C105 AND AWWA C600 PROCEDURES, LATEST REVISIONS.

THRUST RESTRAINT:
THRUST RESTRAINT SHALL BE BY TIED JOINTS AS DETAILED ON THE PLANS. WHEN TIED JOINT THRUST RESTRAINT IS NOT DETAILED ON THE PLANS, THRUST RESISTANCE OF HORIZONTAL AND VERTICAL DIRECTION CHANGES SHALL BE ACCOMPLISHED BY USE OF THRUST BLOCKS AS DETAILED AND CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

CONSULTATION:
A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD, PRIOR TO THE START OF ANY CONSTRUCTION, AT THE CONVENIENCE OF THE OWNER.

SOIL EROSION:
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENTATION REGULATIONS OF THE OHIO DEPARTMENT OF ENVIRONMENTAL PROTECTION AND NATURAL RESOURCES, AND AS STATED IN THE PROJECT SPECIFICATIONS, AT THE CONTRACTORS OWN EXPENSE.

TOPSOIL REPLACEMENT:
O.D.O.T. ITEM 653 TOPSOIL REPLACEMENT SHALL BE LIMITED TO FRONTAGE MAINTAINED AS A LAWN. THE ACTUAL TOPSOIL REPLACEMENT LIMITS ("BEGIN" AND "END") MAY VARY FROM THOSE NOTED IN THE PLANS.

SEEDING AND MULCHING:
O.D.O.T. ITEM 659 SEEDING AND MULCHING SHALL APPLY TO THE ENTIRE PROJECT LENGTH.

GENERAL:
CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND CONSTRUCTION DRAWINGS, LATEST O.D.O.T STANDARD SPECIFICATIONS INCLUDING ALL CURRENT SUPPLEMENTAL SPECIFICATIONS AND STANDARD DRAWINGS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON ALL DRAWINGS PRIOR TO PROCEEDING WITH CONSTRUCTION. (FIGURED DIMENSIONS ONLY SHALL BE USED). ANY DISCREPANCY BETWEEN ACTUAL AND GRAPHIC CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH ANY CONSTRUCTION.

ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE CITY AND UTILITIES AND AT ALL TIMES SHALL BE SUBJECT TO THEIR DIRECT SUPERVISION AND INSPECTION.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE INSTALLING ANY PROPOSED PIPE, VALVES OR APPURTENANCES. ANY ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.

ANY EXISTING PROPERTY, STRUCTURES OR UTILITY LINES DAMAGED IN OR OUTSIDE OF THE CONSTRUCTION LIMITS DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY EXISTING SIGNS, MAILBOXES, PAPER BOXES, LANDSCAPE ITEMS OR FENCES DAMAGED DURING CONSTRUCTION OF THIS PROJECT, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS OR ANY OTHER TYPE OF LAND MONUMENT. THE CONTRACTOR SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. THE CONTRACTOR SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY A REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

ALL STATIONING SHOWN ON PLANS REPRESENT THE CENTERLINE OF SURVEY AND SHALL ALSO BE CONSIDERED AS THE BASELINE OF CONSTRUCTION.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO PERSONALLY ASCERTAIN THE CONDITIONS OF THE WORK. UPON COMPLETION OF CONSTRUCTION, THE WORK AREA SHALL BE RETURNED AS NEAR AS POSSIBLE TO ITS ORIGINAL CONDITION.

THE CONTRACTOR SHALL WORK WITHIN THE DESIGNATED STREET RIGHT-OF-WAYS WHILE CONSTRUCTING THIS PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

IMMEDIATELY UPON COMPLETION OF THE WORK, ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND UNLESS OTHERWISE SPECIFIED WILL REMAIN THE CONTRACTOR'S PROPERTY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL TESTING, INCLUDING COMPACTION TESTING AND PERMITS REQUIRED FOR THIS PROJECT.

THE CITY RESERVES THE RIGHT TO KEEP IN THEIR POSSESSION ANY ITEM BEING DEMOLISHED OR REMOVED AS PART OF THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL MATERIALS THAT ARE REMOVED OR DEMOLISHED AS PART OF THIS CONTRACT.

THE CITY WILL PAY FOR INSPECTION OF THE PROPOSED WORK.

- THE WATERLINE SHALL MAINTAIN THE FOLLOWING SEPARATIONS:
- A. 10' MINIMUM HORIZONTAL CLEAR SEPARATION FROM THE SANITARY SEWER (OR AS SHOWN ON PLANS)
 - B. 18" MINIMUM VERTICAL CLEAR SEPARATION FROM SANITARY SEWER.
 - C. 4' MINIMUM HORIZONTAL CLEAR SEPARATION FROM STORM SEWER (OR AS SHOWN ON PLANS).
 - D. 12" MINIMUM VERTICAL CLEAR SEPARATION FROM STORM SEWER.

THE USE OF THE EXISTING PAVEMENT FOR THE PURPOSES OF STORING MATERIAL, BOTH TEMPORARY OR STAGING, IS STRICTLY FORBIDDEN. THE CONTRACTOR IS FORBIDDEN FROM USING THE BUCKET OF A FRONT END LOADER FOR THE PURPOSES OF CLEANING THE ROAD SURFACE.

UPON AWARD OF THE CONTRACT THE CONTRACTOR SHALL NOTIFY THE LOCAL POSTMASTER TO COORDINATE THE POSTAL DELIVERY WITHIN THE LIMITS OF THE PROJECT DURING CONSTRUCTION. AFTER AN AGREEMENT IS REACHED BETWEEN THE CONTRACTOR AND THE POSTMASTER, THE CONTRACTOR SHALL NOTIFY THE CITY, IN WRITING, OF THE CONDITIONS OF THE AGREEMENT.

MAINTAINING TRAFFIC AND SIGNAGE:
THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, SATISFACTORY BARRIERS, LIGHTING, FLAG-PEOPLE, TEMPORARY GUARDRAIL AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION.

PAYMENT FOR LABOR AND EQUIPMENT REQUIRED FOR THE CONSTRUCTION, MAINTENANCE AND SUBSEQUENT REMOVAL OF APPROACHES, CROSSEOVERS, DRIVEWAYS, BARRICADES, LIGHTS, SIGNS, AND SIGN SUPPORTS, SHALL BE INCLUDED IN THE PRICE BID FOR O.D.O.T. ITEM 614 MAINTAINING TRAFFIC.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. A MINIMUM OF ALTERNATING ONE WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL UTILIZE FLAGGERS DURING LANE CLOSURES. TRAFFIC SHALL BE MAINTAINED, AS SHOWN IN O.D.O.T. STANDARD CONSTRUCTION DRAWING MT-97.10 (LATEST REVISION).

ALL CITY STREETS SHALL HAVE A MINIMUM OF ONE LANE MAINTAINED AT ALL TIMES. DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES TO ALLOW ACCESS BY LOCAL TRAFFIC. TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKDAY OR PROTECTED WITH STEEL PLATES. UNDER CERTAIN CIRCUMSTANCES, THE CONTRACTOR MAY TEMPORARILY CLOSE SIDE STREETS TO THROUGH TRAFFIC WITH WRITTEN PERMISSION FROM THE CITY AND THE ENGINEER. ANY SIDE STREETS THAT ARE TEMPORARILY CLOSED SHALL BE REOPENED BY THE END OF THE WORKDAY (NO OVERNIGHT CLOSURES).

THE CONTRACTOR SHALL CONFORM TO ODOT CONSTRUCTION AND MATERIALS SPECIFICATION (CMS) (LATEST EDITION) MANUAL SECTION 603.12 THRU 630.14 FOR ALL REMOVAL, STORAGE, RE ERECTION, OR DISPOSAL OF ANY SIGNAGE OR SUPPORTS.

SANITARY SEWERS:

PIPE MATERIAL FOR SANITARY SEWERS SHALL BE PVC SDR 35 GRAVITY SEWER PIPE, (ASTM D-3034, D-3212) (REFER TO PLAN)

ALL SANITARY SEWERS MUST HAVE PREMIUM JOINTS AND THE ENTIRE SYSTEM MUST PASS BOTH AN EXFILTRATION AND AN INFILTRATION TEST AFTER CONSTRUCTION HAS BEEN COMPLETED. THE MAXIMUM ALLOWABLE RATE OF INFILTRATION AND EXFILTRATION SHALL BE 100 GAL. PER INCH DIAMETER OF SEWER PIPE PER MILE PER DAY.

NO SANITARY MANHOLES AND PREFERABLY NO SANITARY CONNECTIONS ARE TO BE CONSTRUCTED IN SIDEWALKS AND/OR DRIVEWAYS.

DEFLECTION TESTING, VIDEO TAPING AND AIR TESTING SHALL BE REQUIRED.

CLEAN WATER CONNECTIONS TO THE SANITARY SEWER WILL NOT BE PERMITTED.

ALL PROPOSED MANHOLE RIMS ARE TO BE SET FLUSH WITH EXISTING GRADE, UNLESS OTHERWISE NOTED.

ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

PAVEMENT NOTES:
ALL PAVEMENT DETAILS, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION "CONSTRUCTION AND MATERIALS SPECIFICATIONS", OR AS MODIFIED BY THE CONTRACT DRAWINGS OR THE CONTRACT SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY THE CONTRACT DRAWINGS SHALL SUPERSEDE THE O.D.O.T. SPECIFICATIONS.

TRAFFIC SHALL NOT BE EXPOSED TO LONGITUDINAL VERTICAL FACES DURING NON-WORKING HOURS. TRANSVERSE VERTICAL FACES SHALL BE TEMPORARILY RAMPED A MINIMUM OF 10 FOOT IN LENGTH.

ALL CASTINGS SHALL BE ADJUSTED TO GRADE PRIOR TO THE SURFACE COURSE BEING PUT DOWN. THE CASTING ELEVATION DIFFERENTIAL WITH THE SURROUNDING PAVEMENT SHALL NOT BE GREATER THAN 1 INCH WHEN EXPOSED TO TRAFFIC.

THE RATE OF APPLICATION OF THE TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.35 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

ALL CASTINGS, EXCEPT THOSE OWNED BY PRIVATE COMPANIES, SHALL BE ADJUSTED BY THE CONTRACTOR. THE TIME BETWEEN ADJUSTING THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WATER METER MANHOLES AND VALVES SHALL BE ADJUSTED TO GRADE BY THE USE OF ADJUSTING RINGS.

ALL CURB REPLACEMENT SHALL CONFORM TO ODOT STANDARD DETAIL BP 5.1

ENVIRONMENTAL PROTECTION MEASURES:
CLEARING AND GRUBBING SHALL NOT COMMENCE UNTIL THE CONTRACTOR IS PREPARED TO START CONSTRUCTION.

EXISTING TOPSOIL THAT IS TO BE REUSED SHALL BE STOCKPILED AND REPLACED UPON FINAL GRADING. STOCKPILED TOPSOIL SHALL BE PROTECTED WITH SILT BARRIERS AND TEMPORARY SEEDING OR A COVERING SUCH AS ANCHORED STRAW MULCH.

EXCESS SOIL THAT IS STOCKPILED SHALL BE EITHER REMOVED OR PERMANENTLY STABILIZED WITHIN 15 DAYS OF THE COMPLETION OF CONSTRUCTION.

ONLY THOSE TREES, SHRUBS AND GRASSES THAT MUST BE REMOVED FOR CONSTRUCTION MAY BE REMOVED; PROTECT THE REST TO PRESERVE THEIR AESTHETIC, HABITAT AND EROSION CONTROL VALUES.

AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZE EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO NATURAL RESOURCES CONSERVATION SERVICE (OR EQUIVALENT) STANDARDS AND SPECIFICATIONS. IF FINAL GRADING AND SEEDING WILL NOT OCCUR WITHIN 30 DAYS, ALL DISTURBED AREAS SHALL BE TEMPORARILY SEEDED AND/OR MULCHED IMMEDIATELY.

TRENCHES SHALL BE BACKFILLED IMMEDIATELY; COMPACT AND SEED AND/OR MULCH TRENCHES IN UNPAVED AREAS WITHIN 15 DAYS AFTER THEY HAVE BEEN OPENED.

CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS, DRIVES OR WALKS BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.

ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IN COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.

CONSTRUCTION SHALL BE LIMITED TO DAYTIME HOURS.

CONSTRUCTION EQUIPMENT SHALL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS, AS REQUIRED BY SAFETY STANDARDS.

ALL CONSTRUCTION VEHICLES SHALL BE EQUIPPED WITH PROPER EMISSIONS CONTROL EQUIPMENT.

ALL EQUIPMENT AND MACHINERY SHALL BE MAINTAINED TO MINIMIZE EXHAUST EMISSIONS AND NOISE.

OHIO DEPARTMENT OF TRANSPORTATION:
O.D.O.T. SHALL BE CONTACTED NO LESS THAN 24 HOURS PRIOR TO STARTING ANY WORK WITHIN O.D.O.T.'S RIGHT OF WAY.

THE PERMITTEE, SITE INSPECTORS OR PROJECT SUPERVISORS SHALL NOT ALLOW THE REMOVAL, DAMAGE OR RE-ERECTION OF ANY O.D.O.T. SIGNS ALONG THE PROPOSED PROJECT ROUTE. SHOULD ANY SIGNS OBSTRUCT THE PROPOSED INSTALLATION, THE PERMITTEE OR CONTRACTOR SHALL NOTIFY O.D.O.T. NO LESS THAN 72 HOURS IN ADVANCE ALLOWING TIME TO SCHEDULE THE RELOCATION OF SAID OBSTRUCTION. THE CONTRACTOR SHALL CONFORM TO ODOT CONSTRUCTION AND MATERIALS SPECIFICATION (CMS) (LATEST EDITION) MANUAL SECTION 603.12 THRU 630.14 FOR ALL REMOVAL, STORAGE, RE ERECTION, OR DISPOSAL OF ANY SIGNAGE OR SUPPORTS.

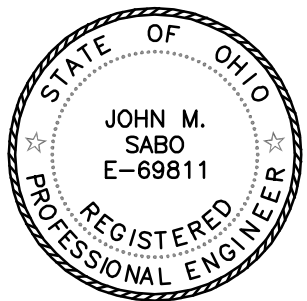
THE PERMITTEE SHALL FURTHER BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH THE REPLACING/RELOCATION OF SAID SIGNS.

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CITY OF BELLEVUE
U.S. ROUTE 20 SEWER EXTENSION
HURON COUNTY, OHIO
GENERAL NOTES



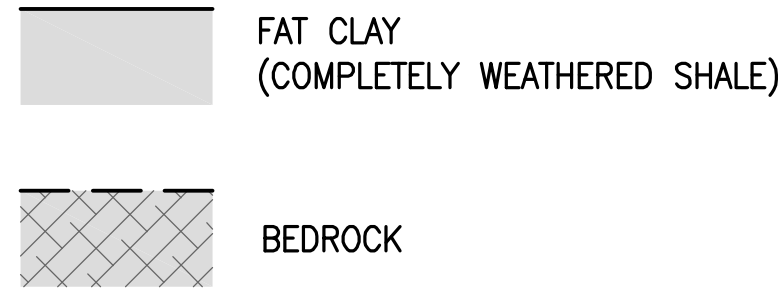
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SCALES	
HOR.	NONE
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CONTRACT NO.	
08-016	
SHEET NO.	OF
2	7



GEOTECHNICAL DATA *



* FOR REFERENCE ONLY. INFO BASED ON
"GEOTECHNICAL ENGINEERING REPORT" DATED
06/25/2010 BY H.C. NUTTING.

CONTRACTOR SHALL CONDUCT HIS/HER OWN
INVESTIGATIONS.

NOTE:

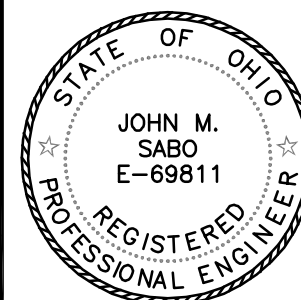
- THE UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL
VERIFY ALL UTILITIES IN THE FIELD AND NOTIFY ALL UTILITY COMPANIES PRIOR
TO INSTALLATION OF THE SEWER MAIN.
- ALL PROPOSED SANITARY MANHOLE RIMS ARE TO BE FLUSH WITH EXISTING
GRADE UPON COMPLETION OF THE PROJECT.

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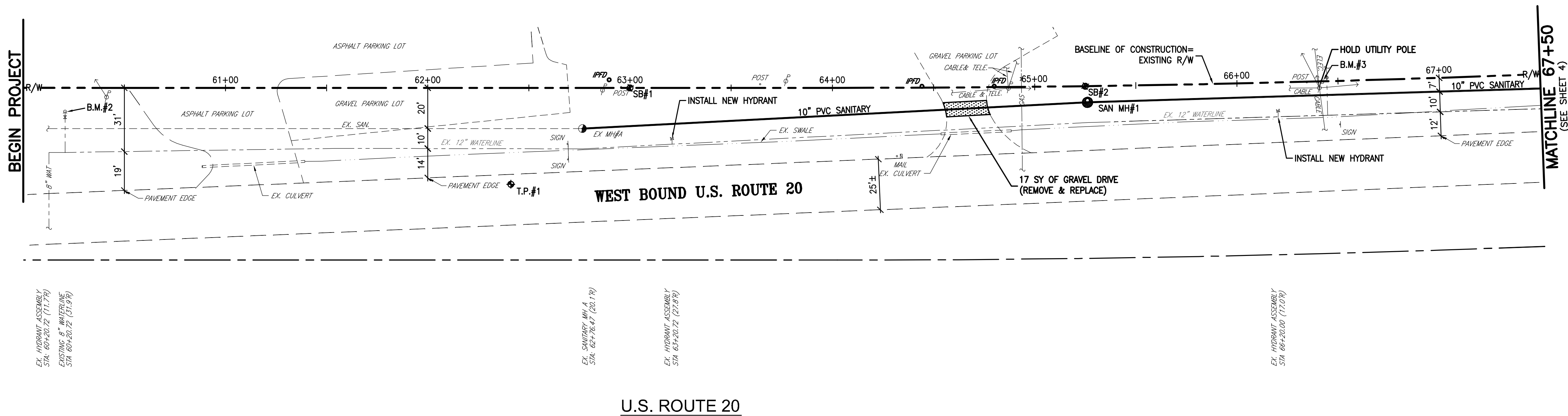
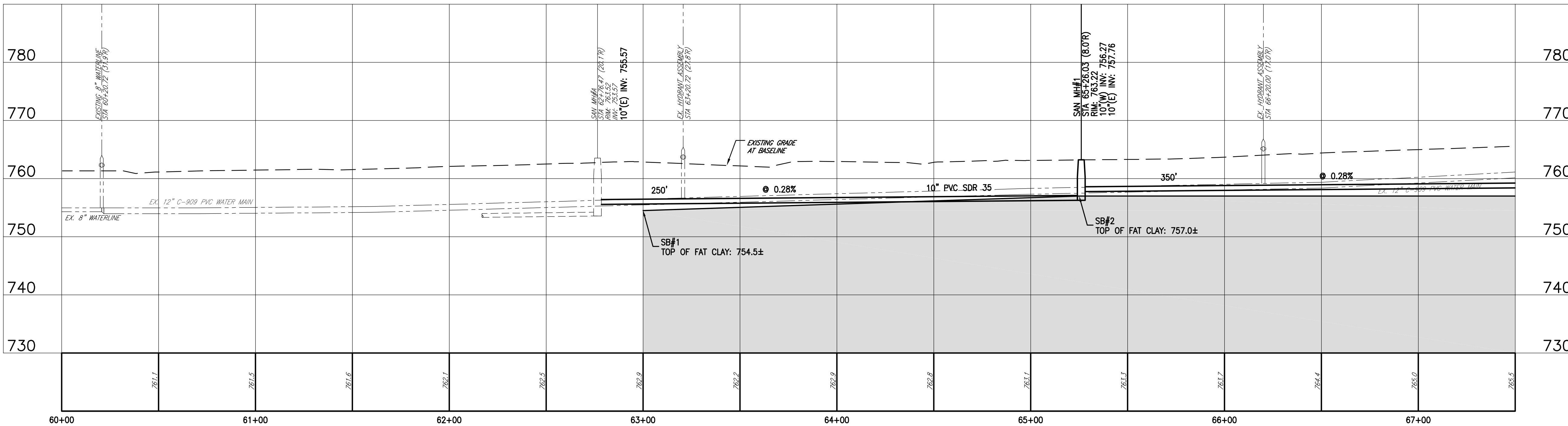
CITY OF BELLEVUE U.S. ROUTE 20 SEWER EXTENSION HURON COUNTY, OHIO PLAN & PROFILE



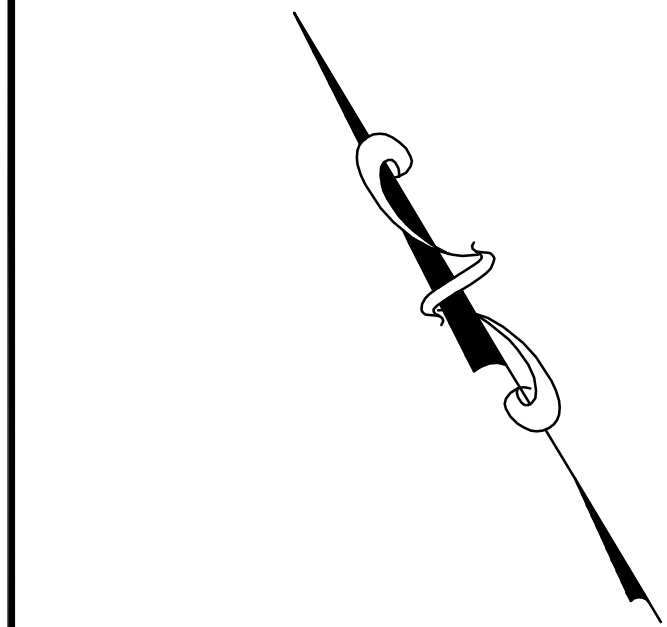
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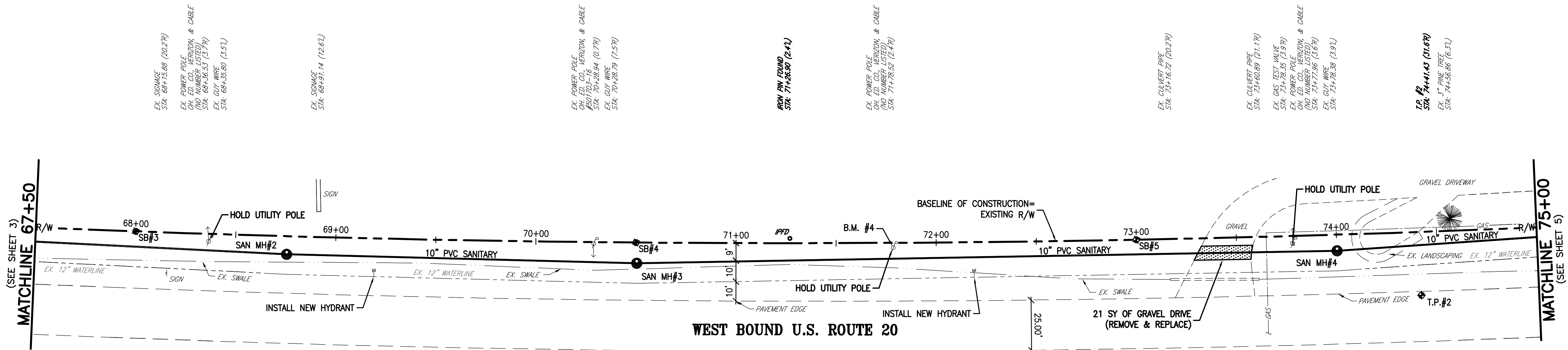
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CONTRACT NO.	
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BENCHMARK #1: RAILROAD SPIKE SET IN UTILITY POLE, NORTH SIDE OF U.S. 20, AT MILLER DRIVE-IN, ELEV: 761.35 (APPEARS OUTSIDE PROJECT LIMITS)
BENCHMARK #2: SOUTHWEST BONNETT BOLT ON HYD., NORTH SIDE OF U.S. 20, AT GIBBS EQUIPMENT, ELEV: 763.02
BENCHMARK #3: NAIL SET IN UTILITY POLE, NORTH SIDE OF U.S. 20, EAST OF MEYERS MARINE ELEV: 765.01



BENCHMARK #4: NAIL SET IN UTILITY POLE, NORTH SIDE OF U.S. 20, WEST OF GILDENMEISTER BUICK, ELEV: 777.78



OPEN CUT PAVEMENT
& REPAIR IN KIND

U.S. ROUTE 20

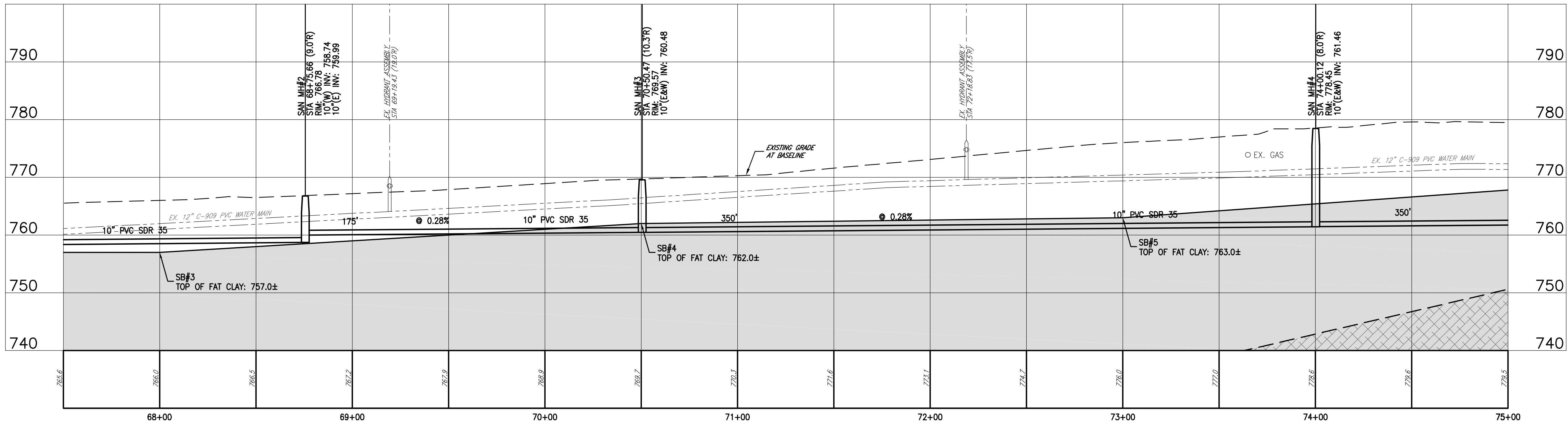
GEOTECHNICAL DATA *

FAT CLAY
(COMPLETELY WEATHERED SHALE)

BEDROCK

* FOR REFERENCE ONLY. INFO BASED ON
"GEOTECHNICAL ENGINEERING REPORT" DATED
06/25/2010 BY H.C. NUTTING.

CONTRACTOR SHALL CONDUCT HIS/HER OWN
INVESTIGATIONS.



NOTE:

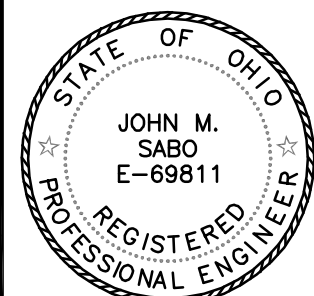
- THE UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UTILITIES IN THE FIELD AND NOTIFY ALL UTILITY COMPANIES PRIOR TO INSTALLATION OF THE SEWER MAIN.
- ALL PROPOSED SANITARY MANHOLE RIMS ARE TO BE FLUSH WITH EXISTING GRADE UPON COMPLETION OF THE PROJECT.

DATE:	APRIL 2011
DRAWN BY:	TM
CHECKED BY:	JS
APPROVED BY:	JS
F.B. No.	PG.
FILE:	
PLOT	1 = 1

CITY OF BELLEVUE
U.S. ROUTE 20 SEWER EXTENSION
HURON COUNTY, OHIO
PLAN & PROFILE



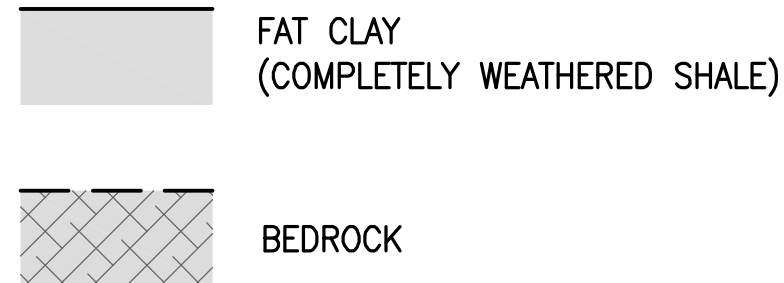
REV. NO.	DESCRIPTION	DATE	BY	CH'K'D



SCALES	
HOR.	1"=30'
VER.	1"=10'
CONTRACT NO.	
08-016	
SHEET NO.	OF
4	7



GEOTECHNICAL DATA *



* FOR REFERENCE ONLY. INFO BASED ON
"GEOTECHNICAL ENGINEERING REPORT" DATED
06/25/2010 BY H.C. NUTTING.

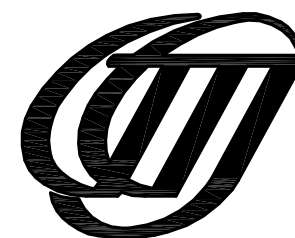
CONTRACTOR SHALL CONDUCT HIS/HER OWN
INVESTIGATIONS.

NOTE:

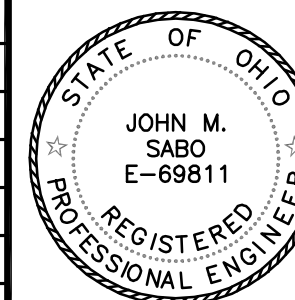
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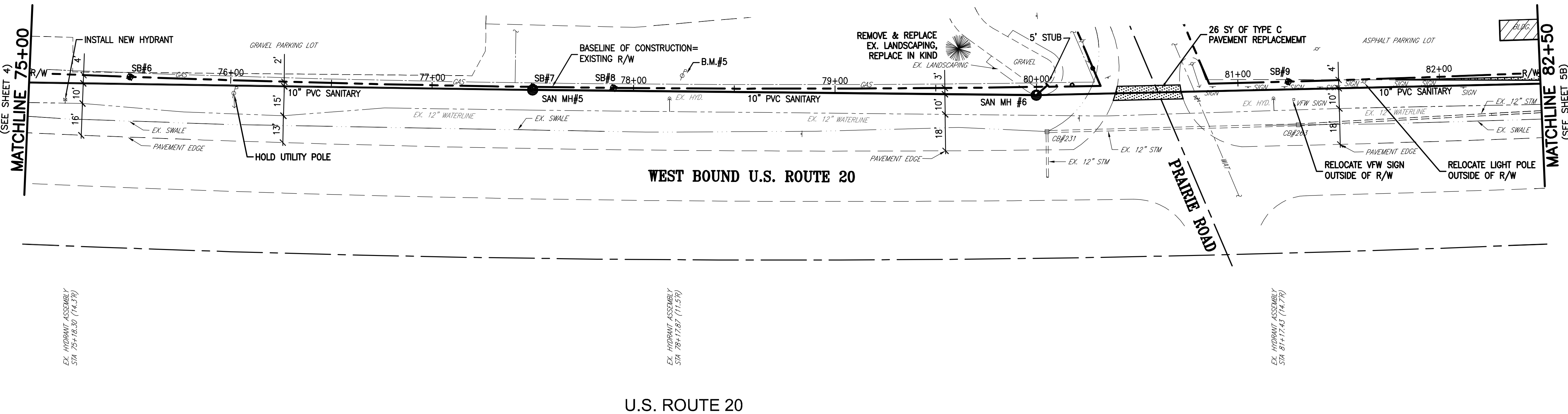
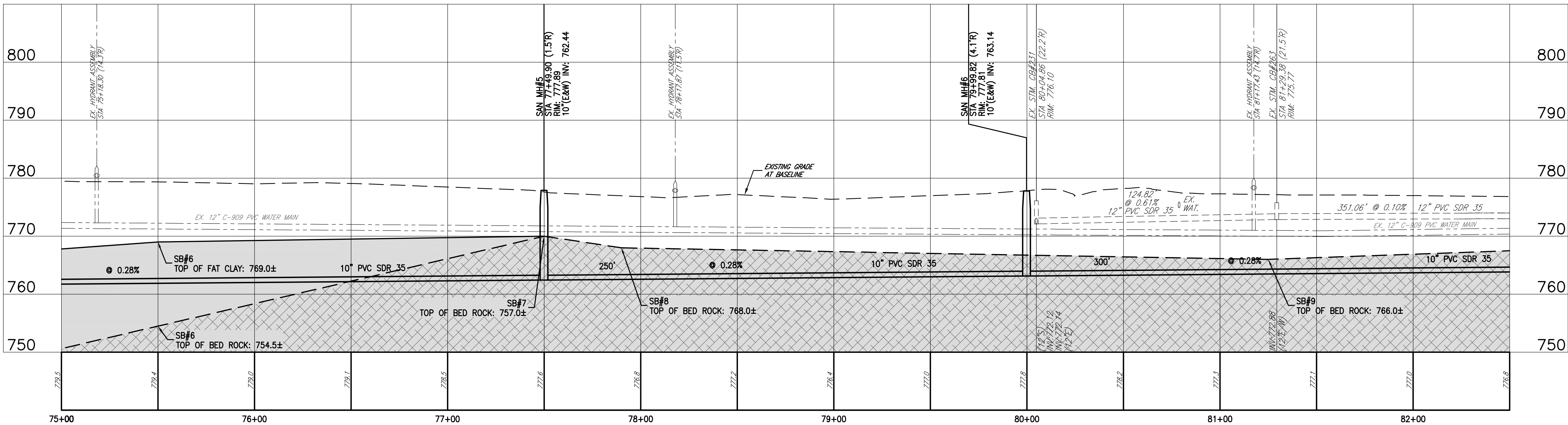
CITY OF BELLEVUE
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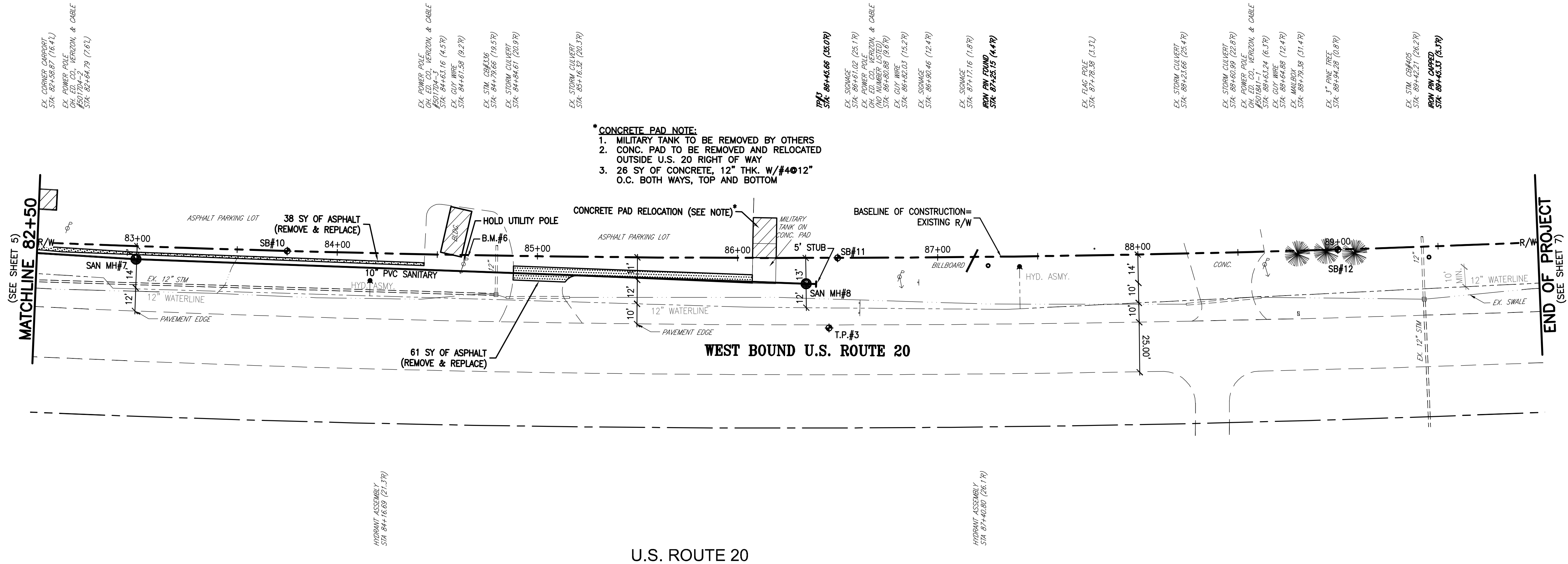


SCALES	
HOR.	1"=30'
VER.	1"=10'
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08-016	
SHEET NO.	OF
5	7



BENCHMARK #5: NAIL SET IN UTILITY POLE, NORTH
SIDE OF U.S. 20, AT GILDENMEISTER BUICK
ELEV: 777.78

BENCHMARK #6: NAIL SET IN UTILITY POLE,
NORTH SIDE OF U.S. 20, AT V.F.W., POLE #501704
ELEV: 777.34



OPEN CUT PAVEMENT
& REPAIR IN KIND

U.S. ROUTE 20

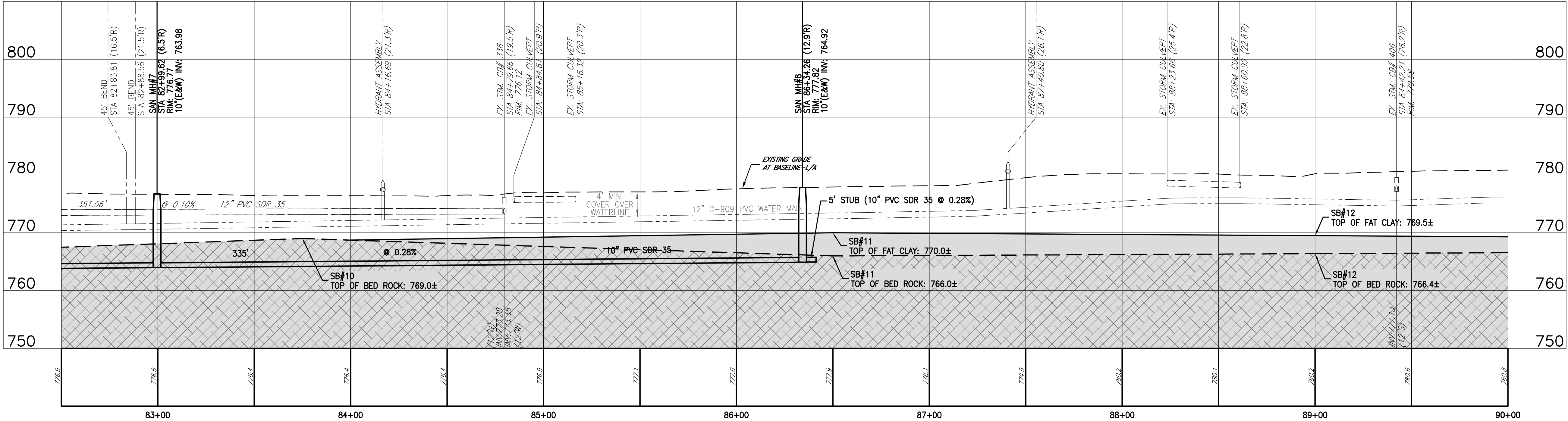
GEOTECHNICAL DATA *

FAT CLAY
(COMPLETELY WEATHERED SHALE)

BEDROCK

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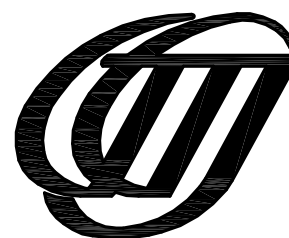


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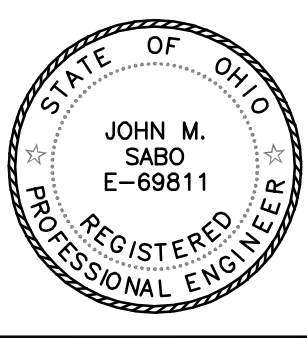
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HURON COUNTY, OHIO
PLAN & PROFILE

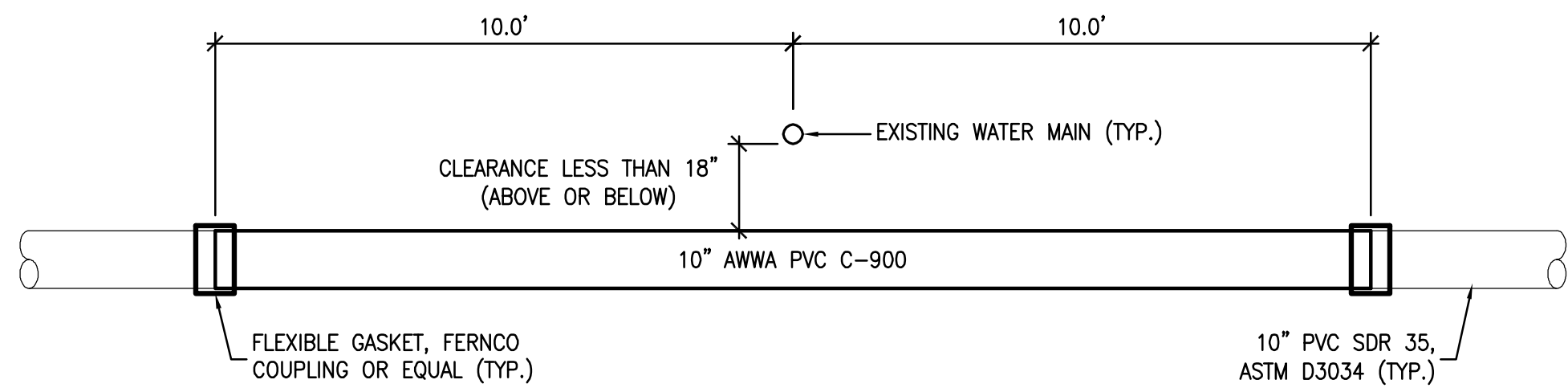


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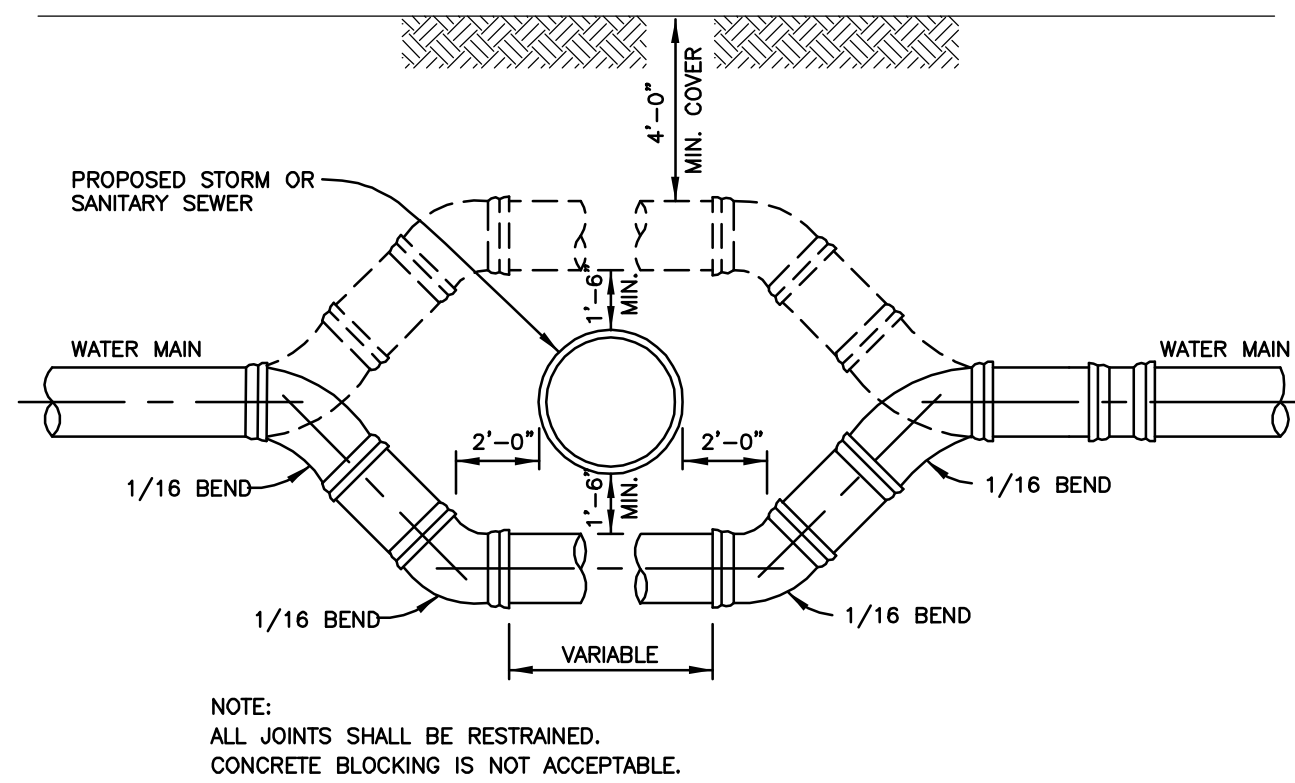


SCALES	
HOR. 1"=30'	
VER. 1"=10'	
CONTRACT NO.	
08-016	
SHEET NO.	OF
6	7



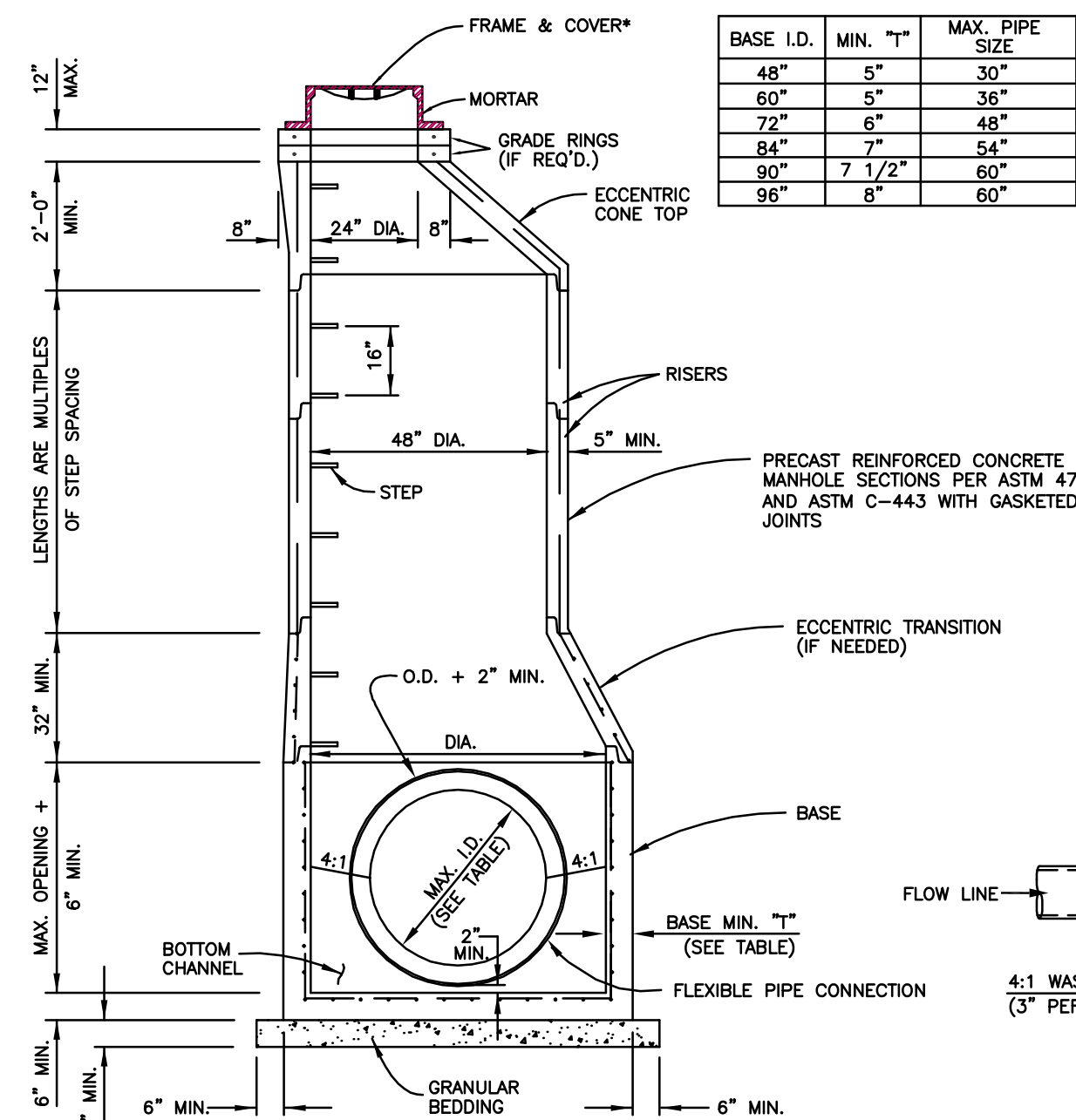


PIPE CROSSING DETAIL
NOT TO SCALE

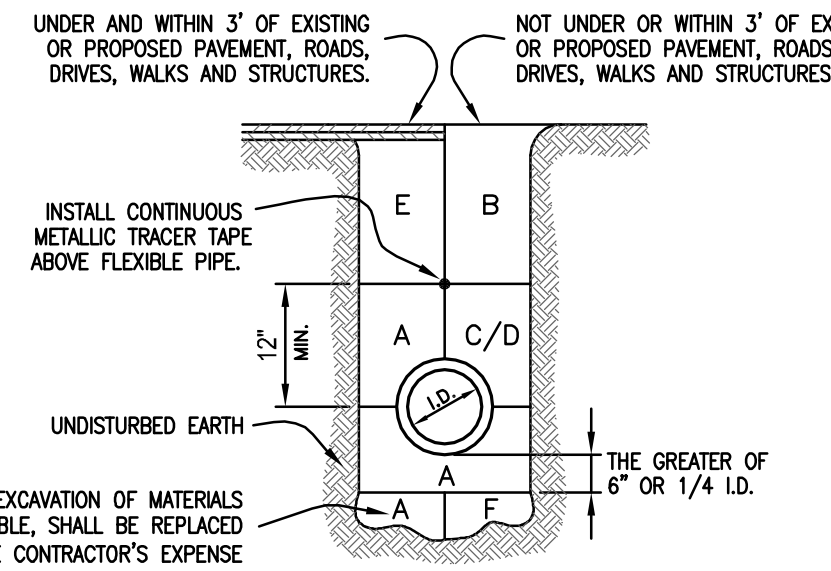
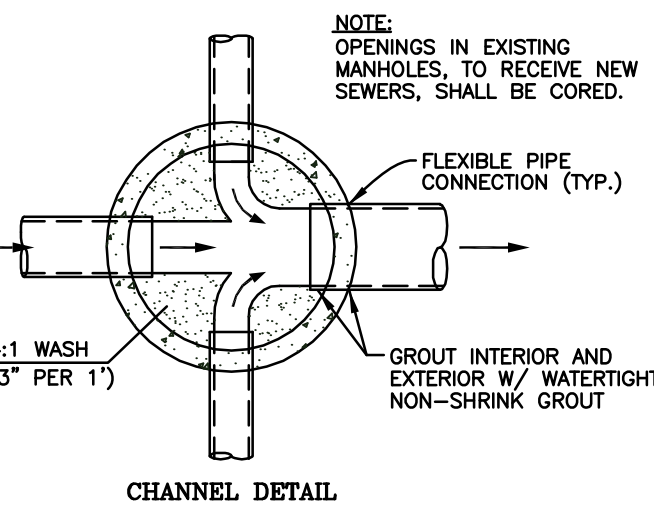


WATER MAIN OFFSET
NOT TO SCALE

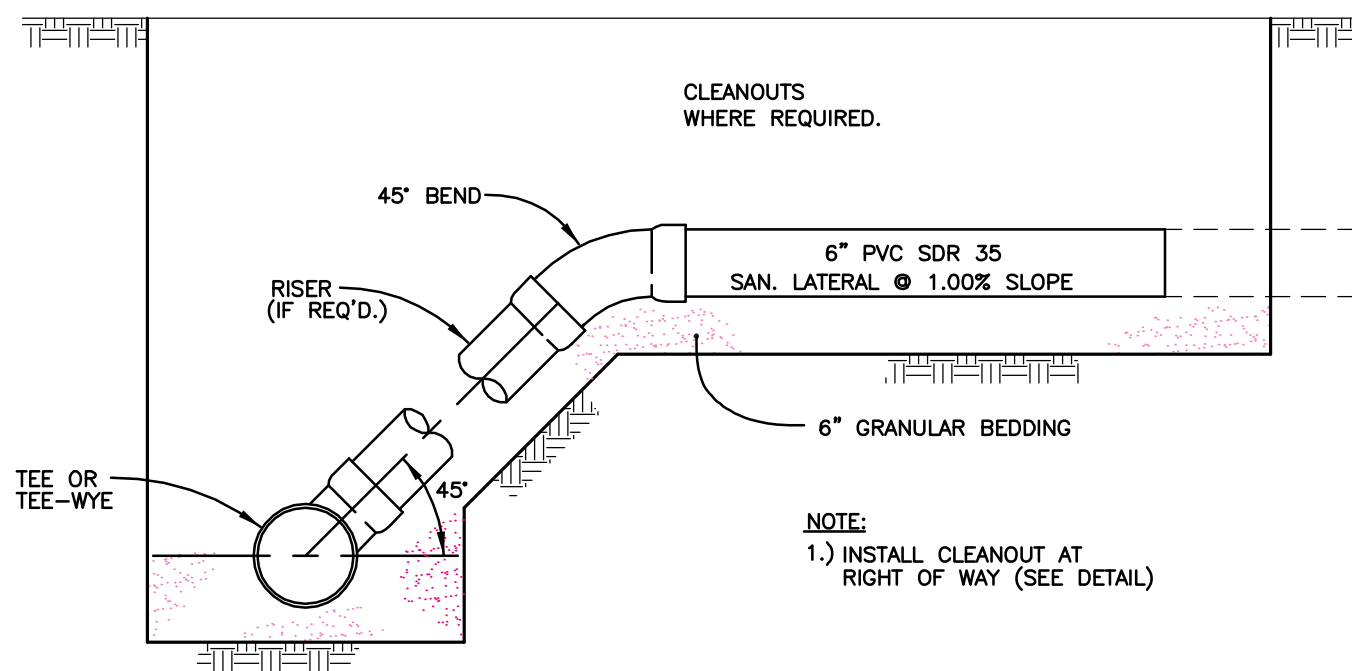
*FRAME & GRATE NOTE:
STD. FRAME & GRATE: TO MATCH CITY OF BELLEVUE STANDARD



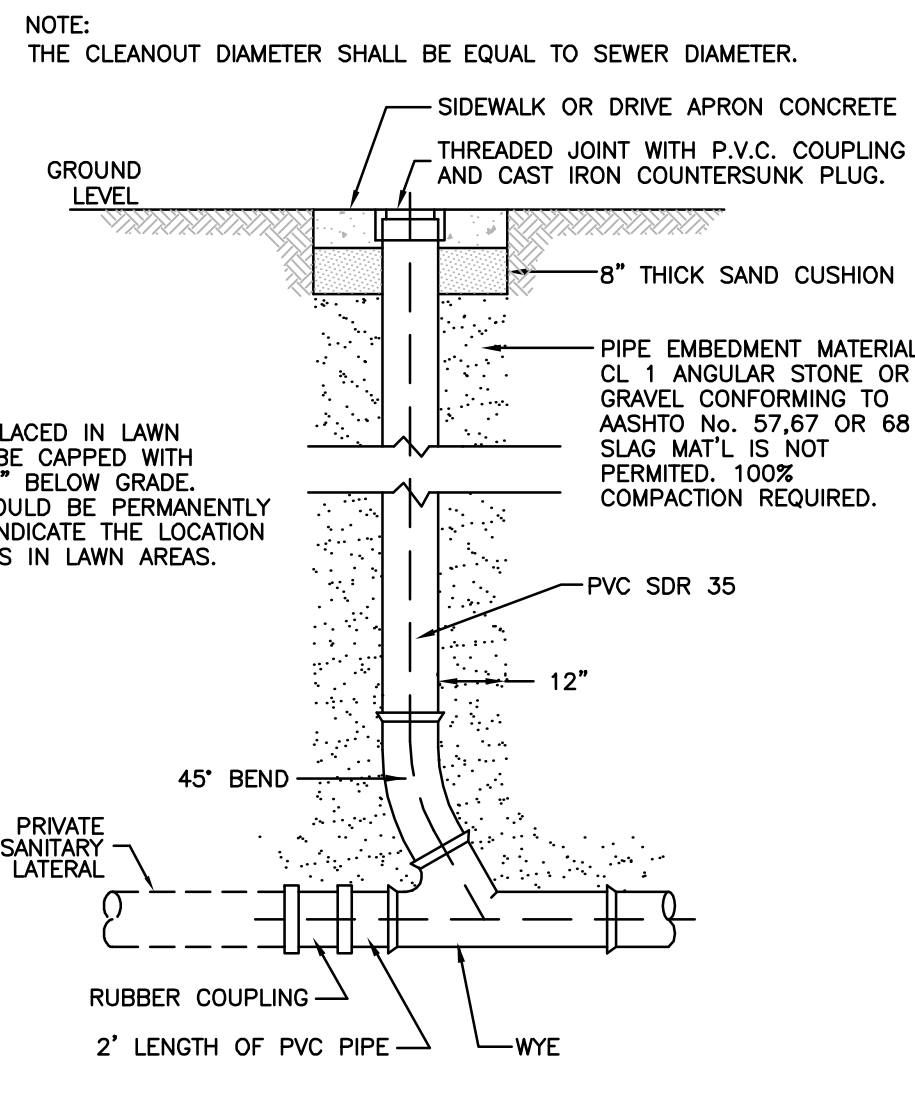
SANITARY MANHOLE
NOT TO SCALE



TRENCH & BEDDING DETAILS
NOT TO SCALE



SANITARY LATERAL
NOT TO SCALE



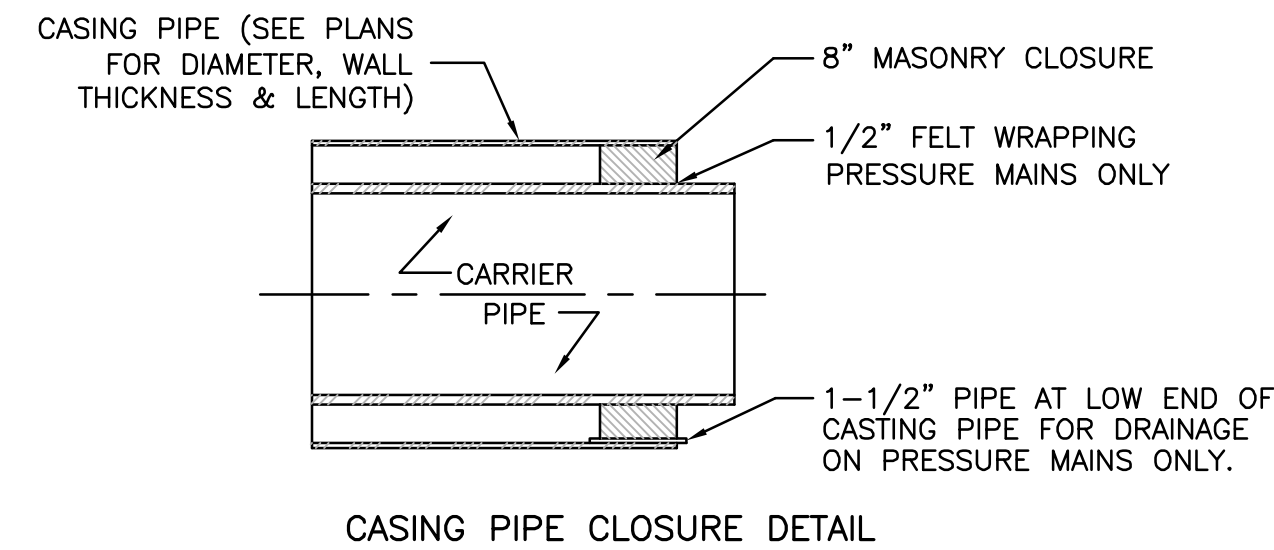
SANITARY CLEANOUT
NOT TO SCALE

NOTE:
DAMAGE TO CURB, SIDEWALK OR TREE LAWN OUTSIDE OF THE PAY LIMITS OF TRENCH SHALL BE AT THE CONTRACTOR'S EXPENSE.

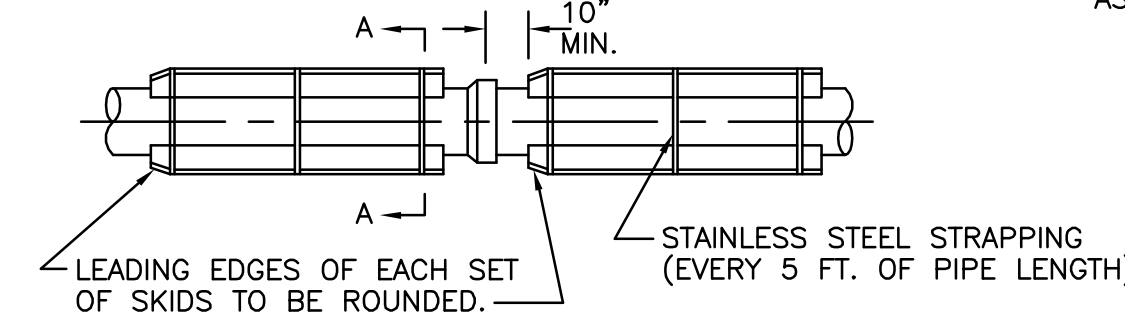
LEGEND:
A—USE GRANULAR BEDDING MATERIAL TYP. (ASTM 2321, CLASS 1 OR AASHTO 56.57.68) OR OTHER APPROVED GRANULAR MATERIAL IN COMPACTED 6" LIFTS.
B—USE APPROVED SELECT EXCAVATED MATERIAL, IN COMPACTED 6" LIFTS.
C—USE GRANULAR BEDDING WITH FLEXIBLE PIPE.
D—USE APPROVED SELECT EXCAVATED MATERIAL, WITH RIGID PIPE.
E—PREMIUM BACKFILL (DOT 304 OR APPROVED EQUAL)
F—SEE GEOTECHNICAL ENGINEERING REPORT, SECTION 4.2.2 "SEWER LINE BEDDING AND BACKFILL".

NOMINAL PIPE DIA.	MAX. TRENCH WIDTH AT TOP OF PIPE
THRU 24"	O.D. + 24"
OVER 24" THRU 66"	O.D. + 30"
72" & LARGER	O.D. + 48"

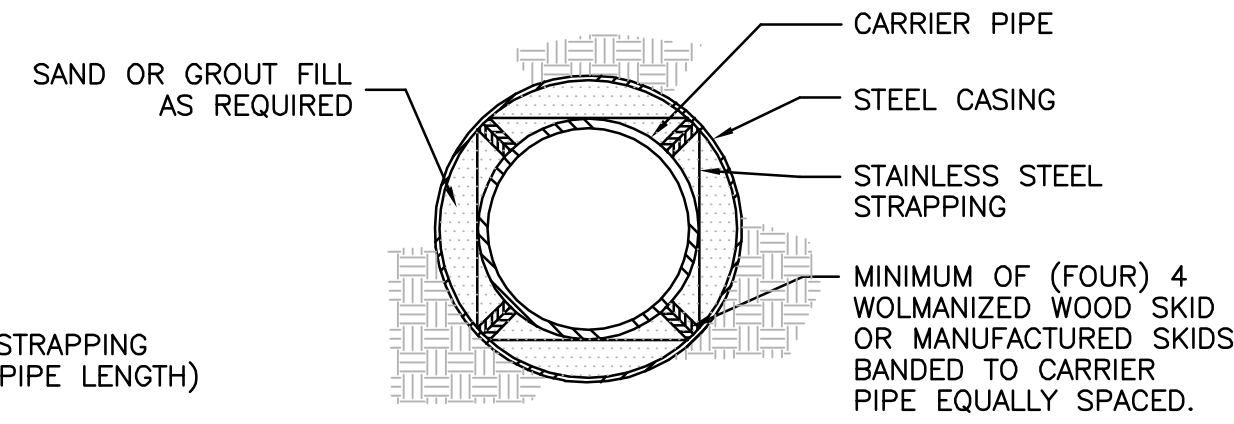
- NOTES:
1. NO SLAG BEDDING SHALL BE USED WITH WATER LINES OR METAL CONDUIT OR WHERE NOTED.
2. ABSOLUTELY NO SAND SHALL BE ALLOWED AS BACKFILL MATERIAL ON THIS PROJECT.



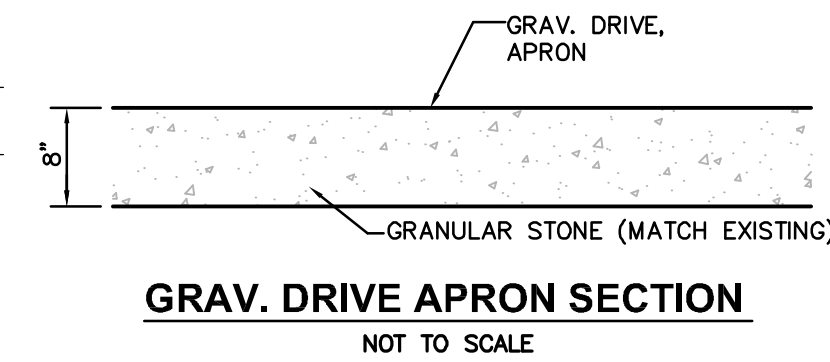
CASING PIPE CLOSURE DETAIL



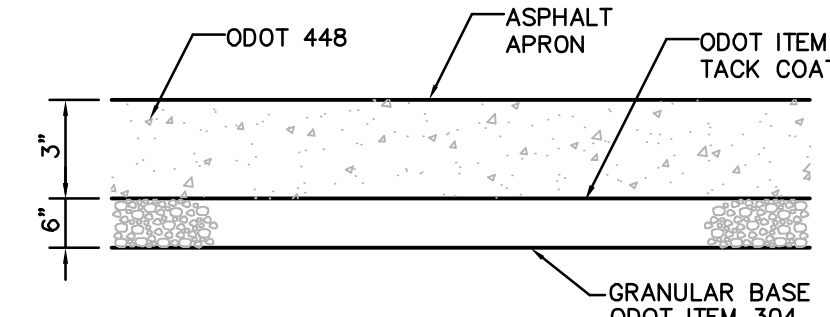
PIPE SKID DETAIL



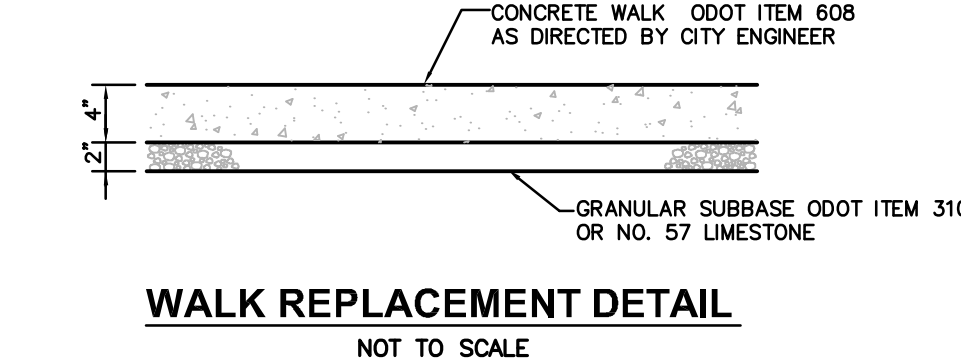
TYPICAL BORING DETAIL
NOT TO SCALE



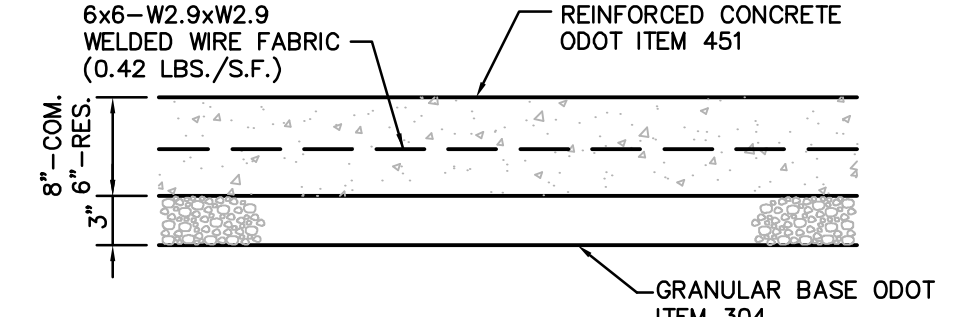
GRAV. DRIVE APRON SECTION
NOT TO SCALE



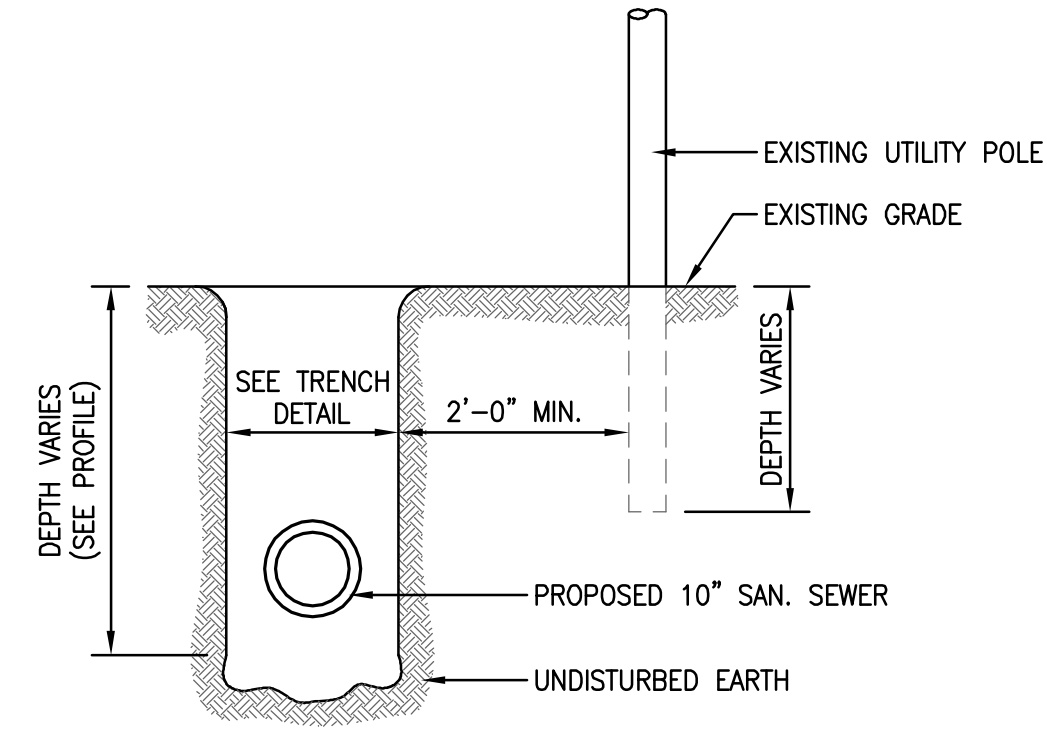
ASPH. DRIVE APRON SECTION
NOT TO SCALE



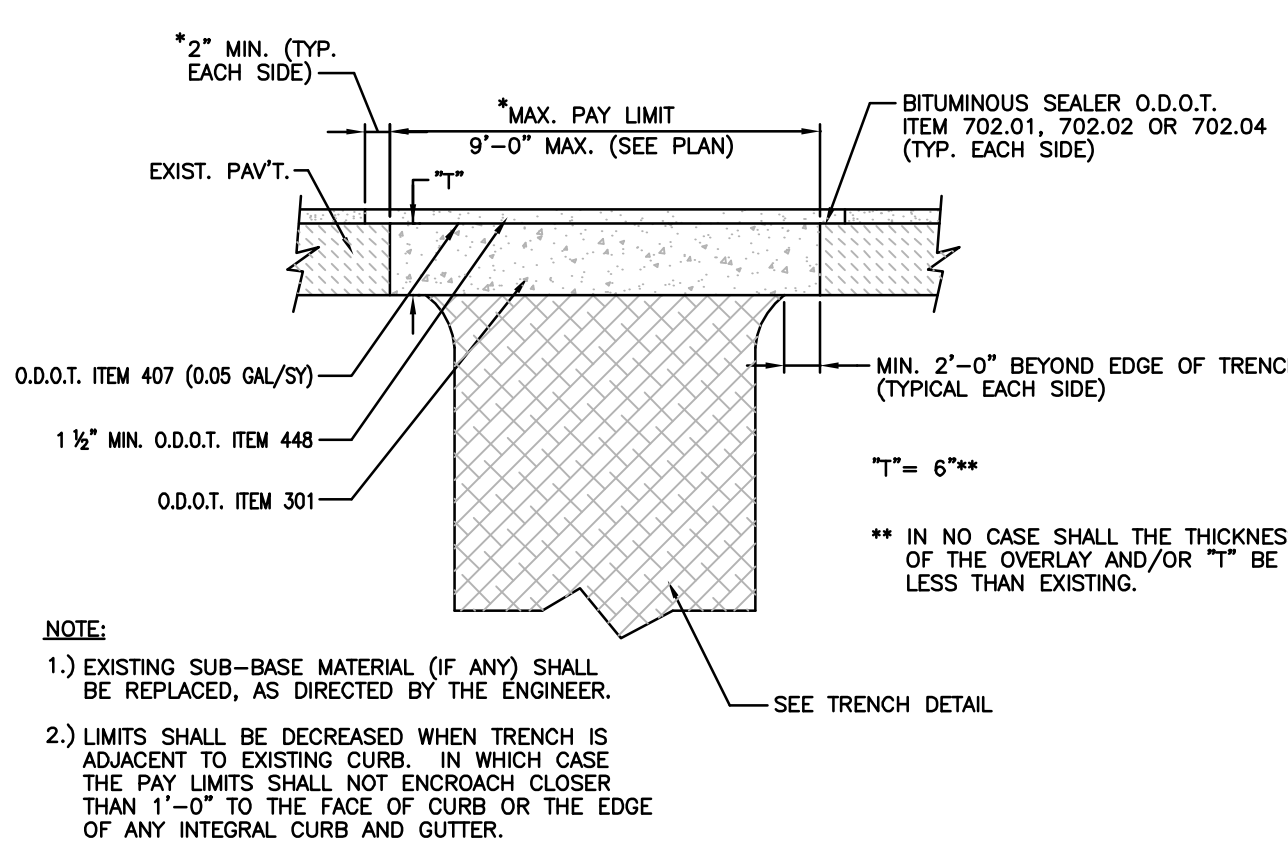
WALK REPLACEMENT DETAIL
NOT TO SCALE



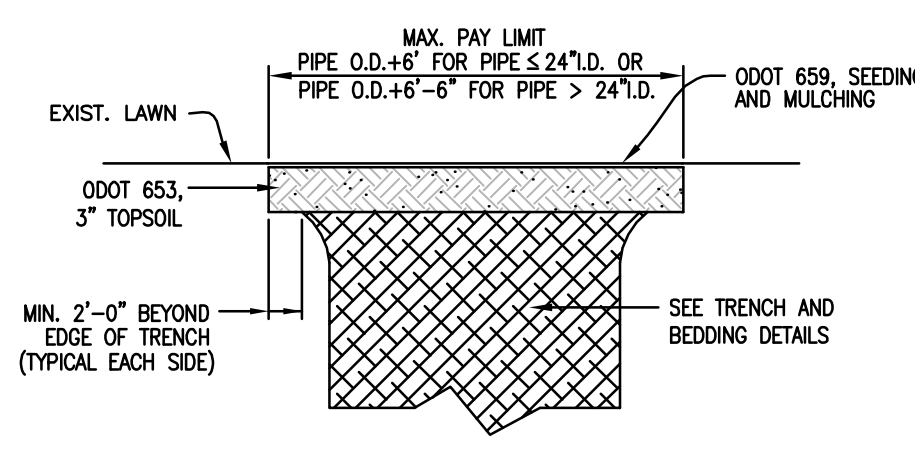
CONC. DRIVE APRON SECTION
NOT TO SCALE



UTILITY POLE HOLDING DETAILS
NOT TO SCALE



TYPE 'C' PAVEMENT RESTORATION
NOT TO SCALE



LAWN RESTORATION DETAIL
NOT TO SCALE

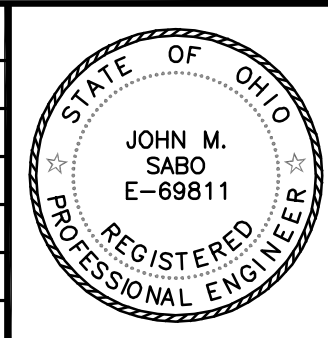


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CITY OF BELLEVUE
U.S. ROUTE 20 SEWER EXTENSION
HURON COUNTY, OHIO
STANDARD DETAILS



REV. NO.	DESCRIPTION	DATE	BY	CHK'D



SCALES	HOR.	NONE
VER.	NONE	
CONTRACT NO.	08-016	
SHEET NO.	7	OF 7