

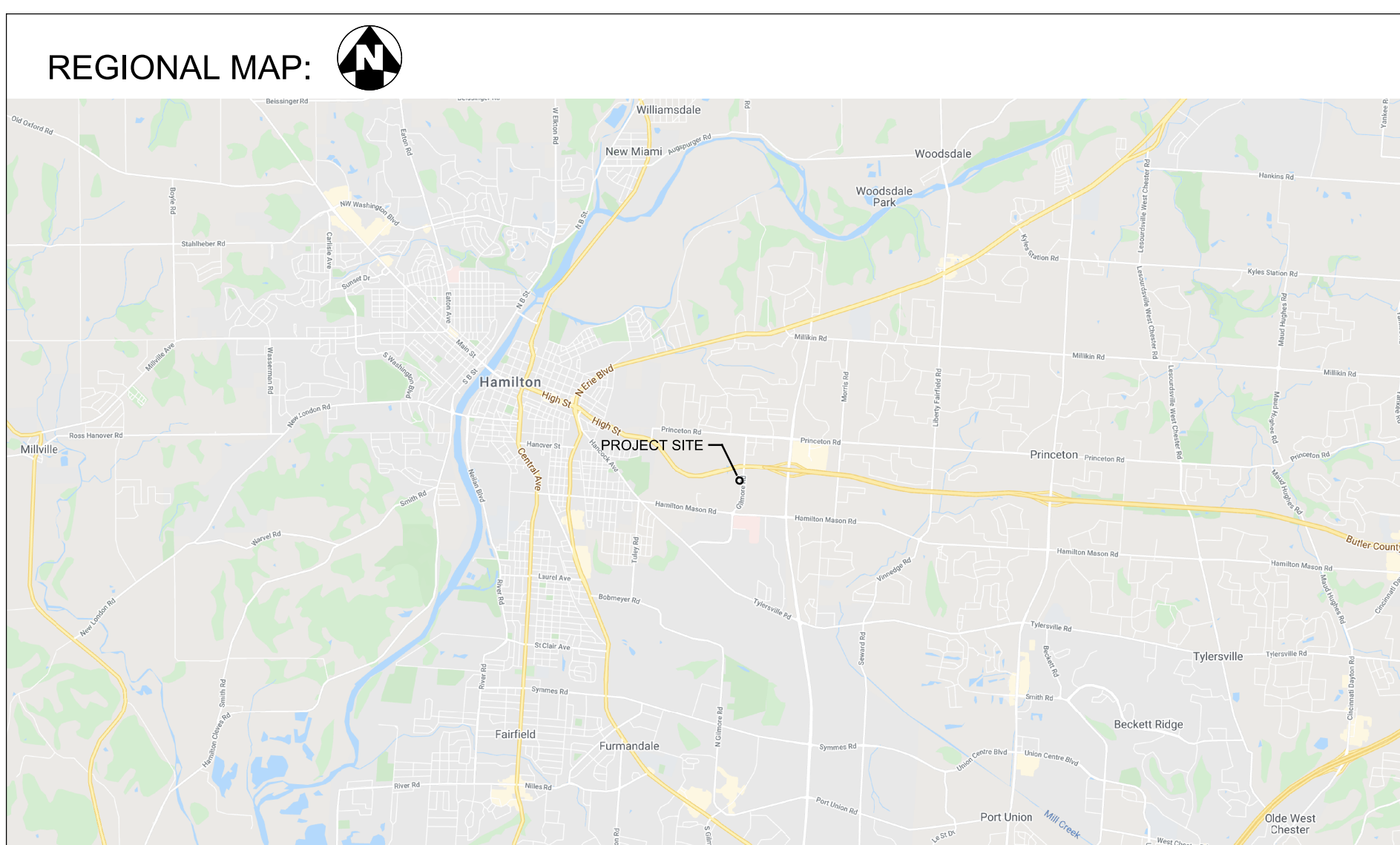
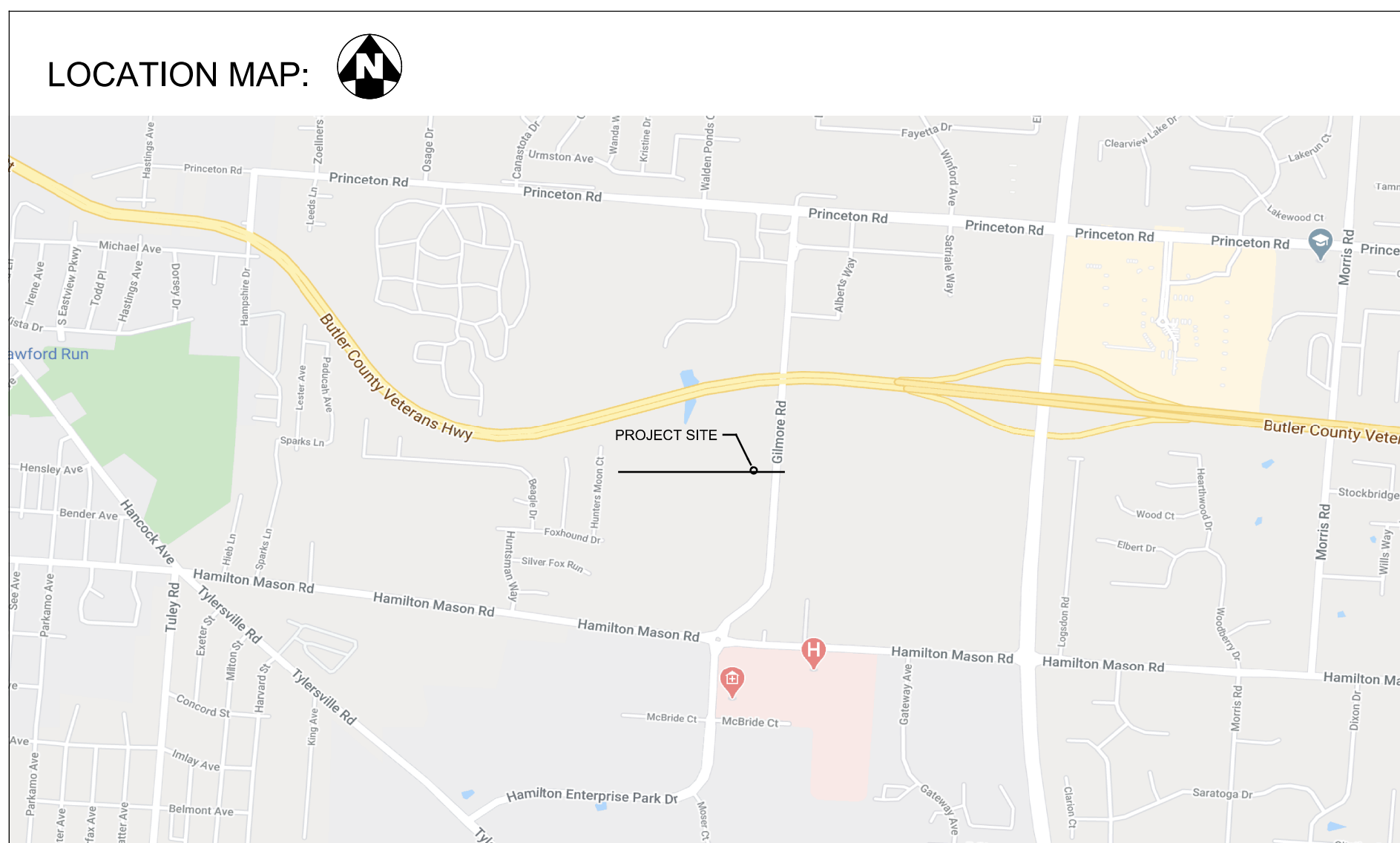
GENERAL SANITARY NOTES

- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- ITEM NUMBERS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL NEW CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OUTLINED IN THE "BUTLER COUNTY SUBDIVISION REGULATIONS." WHEN IN CONFLICT, THE BUTLER COUNTY REQUIREMENTS SHALL PREVAIL.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL, PRACTICES REQUIRED BY BUTLER COUNTY AND THE OHIO EPA.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AS SOON AS PRACTICAL IN ACCORDANCE WITH SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED USE STATE OF OHIO SPECIFICATIONS ITEM 659.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS.
- FORTY-EIGHT HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS), AND ALL OTHER AGENCIES WHICH MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE.
 - CONTACTING THE INDIVIDUAL UTILITY OWNERS TEN DAYS PRIOR TO CONSTRUCTION AND ADVISING THEM OF THE WORK TO TAKE PLACE.
 - SOLICITING THEIR AID IN LOCATING AND PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
 - EXCAVATING AND VERIFYING THE HORIZONTAL AND VERTICAL LOCATION OF EACH UTILITY.
 - ALL DAMAGE TO ANY EXISTING UTILITY.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS.
- CONTRACTOR SHALL SECURE ALL PERMITS AND FURNISH ALL DRAWINGS REQUIRED FOR UTILITY TAPS PRIOR TO STARTING CONSTRUCTION.
- SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED VERTICAL SEPARATION BETWEEN UTILITIES BY VARYING DEPTH OF UNDERGROUND ELECTRIC, TELEPHONE, WATER AND GAS.
- A MINIMUM OF 1.5' OF VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN UTILITIES AT ALL TIMES.
- SANITARY SEWER MATERIALS AND INSTALLATION SHALL BE PER BUTLER COUNTY WATER AND SEWER SPECIFICATIONS, USING: SECTION 3110 FOR PVC, SDR-35 & 26 PIPE; SECTION 3140 FOR ABS OR PVC COMPOSITE PIPE; SECTION 3410 FOR MANHOLES.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWERSYSTEM ARE PROHIBITED.
- ALL BUILDINGS TO BE SERVED BY THE PUBLIC SEWER SYSTEM SHALL BE CONSTRUCTED SO AS TO PROVIDE A MINIMUM OF FOUR FEET OF VERTICAL SEPARATION BETWEEN THE PUBLIC SANITARY SEWER, AT THE POINT OF CONNECTION AND THE LOWEST BUILDING LEVEL SERVED BY GRAVITY SEWER CONNECTION. IN ADDITION, SAID BUILDING LEVEL SHALL BE AT LEAST ONE (1) FOOT ABOVE THE LOWEST POINT OF FREE-OVERFLOW (NON-SEALED MANHOLE COVER) UPSTREAM OF ANY TREATMENT FACILITY OR WASTEWATER PUMPING FACILITY THAT RECEIVES THE DISCHARGE FROM SAID BUILDING. SAID MINIMUM SERVICE LEVELS SHALL BE RECORDED ON THE "RECORD DRAWING" PLANS FOR THE DEVELOPMENT, WHICH WILL BE KEPT ON FILE IN THE OFFICE OF THE BUTLER COUNTY WATER & SEWER DEPARTMENT.
- BUTLER COUNTY WATER & SEWER DEPARTMENT DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE RELOCATION, REPAIR, OR REPLACEMENT OF ANY OTHER UTILITY INSTALLED WITHIN FIVE (5) FEET OF THE CENTER LINE OF ANY SANITARY SEWER MAIN.
- PRIVATE DRIVEWAYS, PARKING LOTS AND OTHER PAVED AREAS, EARTHEN BERMS OR STRUCTURES SHOULD NOT BE CONSTRUCTED OVER PRIVATE SEWER SERVICE LINES WITHIN THE PUBLIC ROAD RIGHT-OF-WAY OR WITHIN THE EASEMENT AREAS FOR THE PUBLIC UTILITIES. SHOULD THIS OCCUR, THE PROPERTY OWNER SHALL BE HELD RESPONSIBLE FOR THE PROTECTION AND REPAIR AND FOR PROVIDING ACCESS TO ANY CURB STOPS, METER PITS, MANHOLES, CLEAN-OUTS, ETC. INSTALLED IN CONJUNCTION WITH THESE PRIVATE SERVICE LINES AND FOR ANY DAMAGE OR RESTORATION OF THE PAVED SURFACES OR STRUCTURES THAT MAY RESULT FROM THE FUTURE OPERATION, MAINTENANCE, REPAIR, OR REPLACEMENT OF SAID SERVICE LINES AND APPURTENANCES.
- SANITARY SEWER LATERALS, WHICH SHALL INCLUDE ALL PIPE AND APPURTENANCES FROM THE BUILDING TO THE PUBLIC SEWER MAIN, AND THE CONNECTION TO THE PUBLIC SEWER MAIN SHALL BE CONSIDERED PRIVATE AND THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN. THE CONNECTION TO THE SEWER MAIN WOULD BE ANY PIPING THAT EXTENDS OUT FROM THE MAIN BARREL TO THE SEWER MAIN.

GILMORE ROAD SANITARY SEWER EXTENSION

BUTLER COUNTY WATER & SEWER SUBMITTAL
ISSUANCE DATE: 06/22/2020

SECTION 25, TOWN 2, RANGE 3
FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO



SHEET INDEX	
SHEET	TITLE
1	TITLE SHEET
2	DETAIL SHEET
3	SCHEMATIC PLAN
4	PLAN & PROFILE STA. 1+00.00 TO STA. 4+00.00
5	PLAN & PROFILE STA. 4+00.00 TO STA. 8+75.70

SITE DATA:

OWNERS OF RECORD:

FAIRFIELD CITY SCHOOL DISTRICT BOARD OF EDUCATION
FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO

ENGINEER/SURVEYOR:

THE KLEINGERS GROUP
6219 CENTRE PARK DRIVE
WEST CHESTER, OH 45069

SITE INFORMATION

BOUNDARY: BASED ON BOUNDARY SURVEY BY THE KLEINGERS GROUP
TOPOGRAPHY: BASED ON TOPOGRAPHIC SURVEY BY THE KLEINGERS GROUP

ZONING: AGRICULTURAL DISTRICT (A-1)

EXISTING USE: FARM LAND, UNDEVELOPED
PROPOSED USE: SANITARY MAIN EXTENSION TO 1 SERVICE BUILDING + FUTURE DEVELOPMENT

BENCHMARK: FOUND IRON PIN, SEE PAGE 3 FOR LOCATION
N: 510339.66, E: 1398884.16
ELEVATION: 746.17

BENCHMARK DESCRIPTION: THE IRON PIN IS APPROXIMATELY 45' SOUTH OF THE CULVERT, 3' WEST OF GILMORE ROAD EXISTING EDGE OF PAVEMENT AND APPROXIMATELY 7' FROM AN EXISTING POWER POLE.

UTILITY CONTACTS:

TELECOM

CINCINNATI BELL
221 E. 4TH ST., BLDG. 43
CINCINNATI, OH 45201
(513) 585-7043
CONTACT: MARK CONNER

TIME WARNER CABLE
11252 CORNELL PARK DR.
CINCINNATI, OH 45242
(513) 386-5483
CONTACT: JIM O'REILLY

WATER AND SEWER

BUTLER COUNTY WATER AND SEWER
130 HIGH STREET
HAMILTON, OH 45011
(513) 887-3096
CONTACT: STEVE THOMPSON

GAS

DUKE ENERGY
139 E. FOURTH ST.
ROOM 460A
CINCINNATI, OH 45202
(513) 287-1993
CONTACT: CHRIS COLYER

ELECTRIC

DUKE ENERGY
139 E. FOURTH ST.
ROOM 460A
CINCINNATI, OH 45202
(513) 287-3852
CONTACT: CRAIG HUTCHISON

STORM

BUTLER COUNTY ENGINEERS OFFICE
1921 FAIRGROVE AVENUE
(513) 785-4121
CONTACT: ERIC POTTENGER

TRAFFIC

BUTLER COUNTY ENGINEERS OFFICE
1921 FAIRGROVE AVENUE
(513) 785-4109
CONTACT: MATT LOEFFLER, PE

LEGEND:

- EXIST. EDGE OF PAVEMENT
- PROPERTY LINE
- EXIST. WATER LINE
- EXIST. GAS LINE
- EXIST. ELECTRIC
- PROP. EDGE OF PAVEMENT
- PROP. UNDERDRAIN
- PROP. SIDEWALK
- PROP. SANITARY SEWER
- PROP. UTILITY EASEMENT
- PROP. TEMP. CONSTRUCTION EASEMENT
- EXIST. R/W
- PROP. CONSTRUCTION LIMITS
- PROP. SILT FENCE (EROSION CONTROL)
- PROP. MANHOLE

PLAN PREPARED BY:



CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
6219 Centre Park Dr.
West Chester, OH 45380
513.785.7851
www.kleingers.com

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

ENGINEERS SEAL:

SIGNED:
DATE:

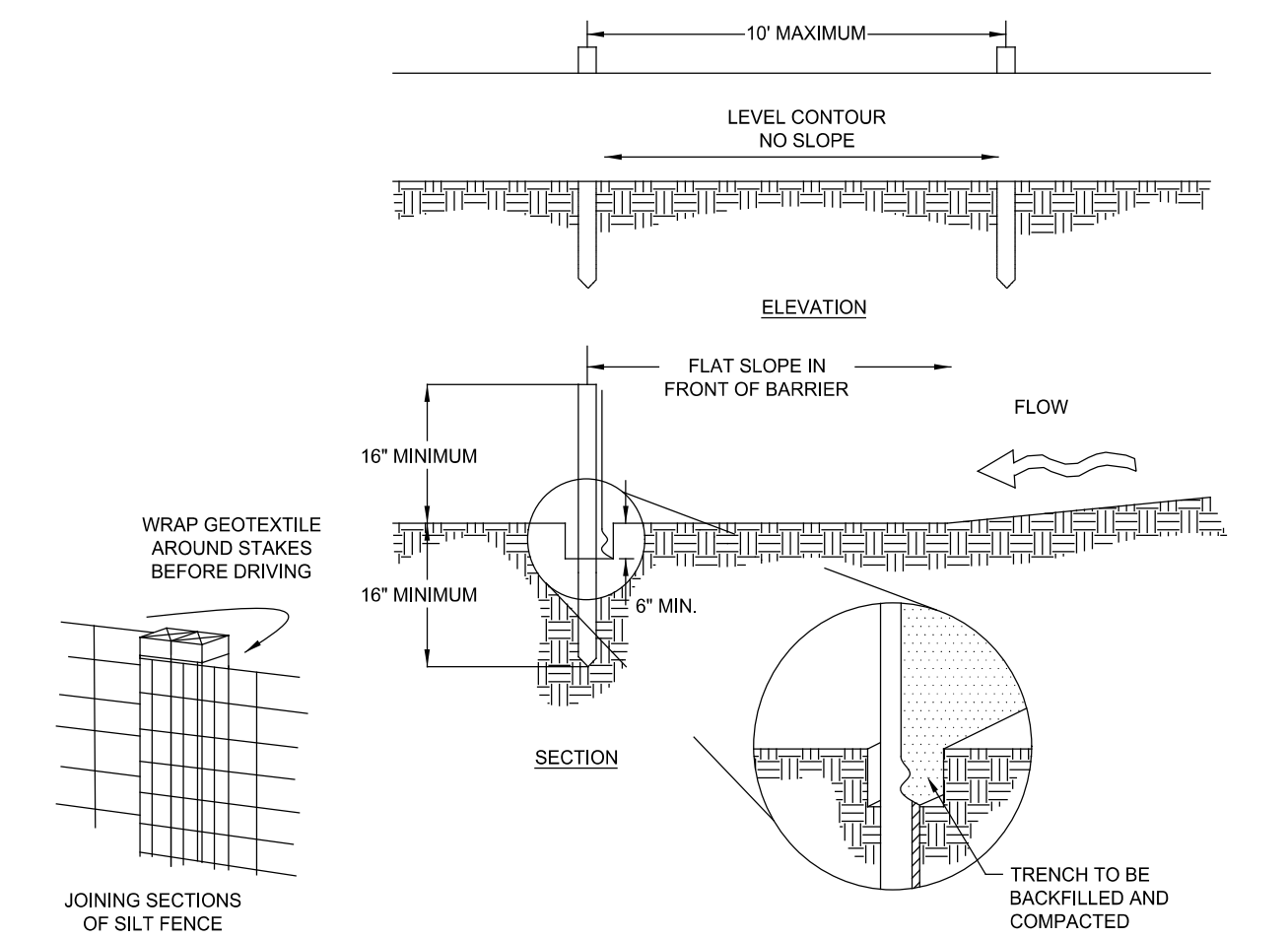
CALCULATED
DMH
CHECKED
ACB

SANITARY SEWER EXTENSION TITLE SHEET

GILMORE ROAD

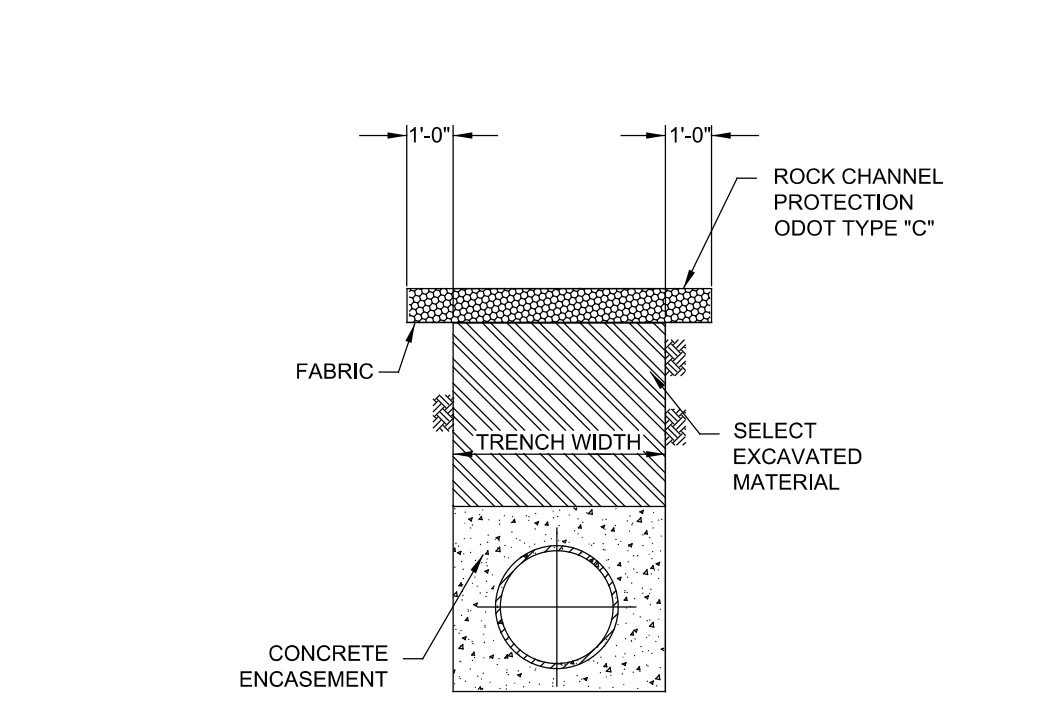
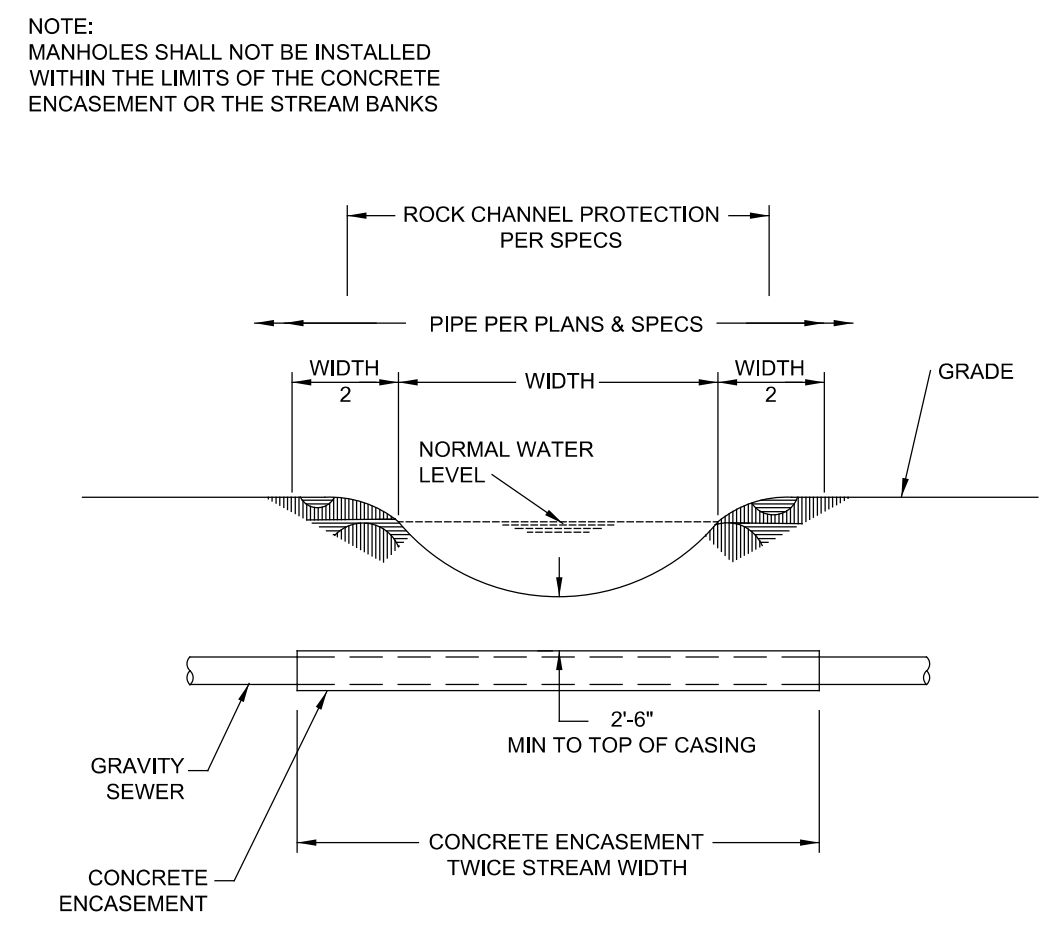
1
5

H:\2015\1505688\007\88007_1505688_007\Design\Utilities\Basemaps\88007_BU001.dgn 1 - Title Sheet 6/22/2020 2:52:23 PM dhiggins

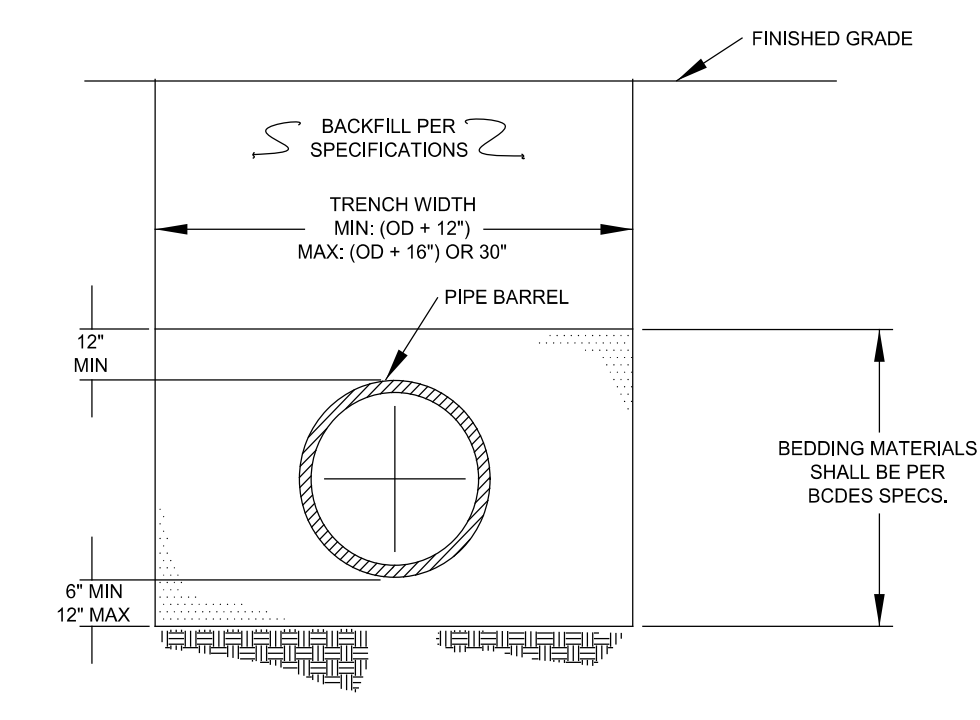


- NOTES:
- SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 - ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
 - ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
 - SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 - WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (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.
 - THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
 - THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
 - THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
 - SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.
 - MAINTENANCE—SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.
- SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.
- SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.
- CRITERIA FOR SILT FENCE MATERIALS
- FENCE POST – THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS. THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
 - SILT FENCE FABRIC – SEE CHART BELOW.
- | FABRIC PROPERTIES | VALUES | TEST METHOD |
|--------------------------------|------------------|-------------|
| MINIMUM TENSILE STRENGTH | 120 LBS. (535 N) | ASTM D 4832 |
| MAXIMUM ELONGATION AT 60 LBS | 50% | ASTM D 4832 |
| MINIMUM PUNCTURE STRENGTH | 50 LBS. (220 N) | ASTM D 4833 |
| MINIMUM TEAR STRENGTH | 40 LBS. (180 N) | ASTM D 4533 |
| APPEARANT OPENING SIZE | <0.84 MM | ASTM D 4751 |
| MINIMUM PERMITTIVITY | 1X10-2 SEC-1 | ASTM D 4481 |
| UV EXPOSURE STRENGTH RETENTION | 70% | ASTM G 4355 |

1
002 SILT FENCE DETAIL
N.T.S.



2
002 BUTLER COUNTY WATER AND SEWER
6260 TYPICAL CREEK CROSSING
FOR GRAVITY SEWERS
NOT TO SCALE

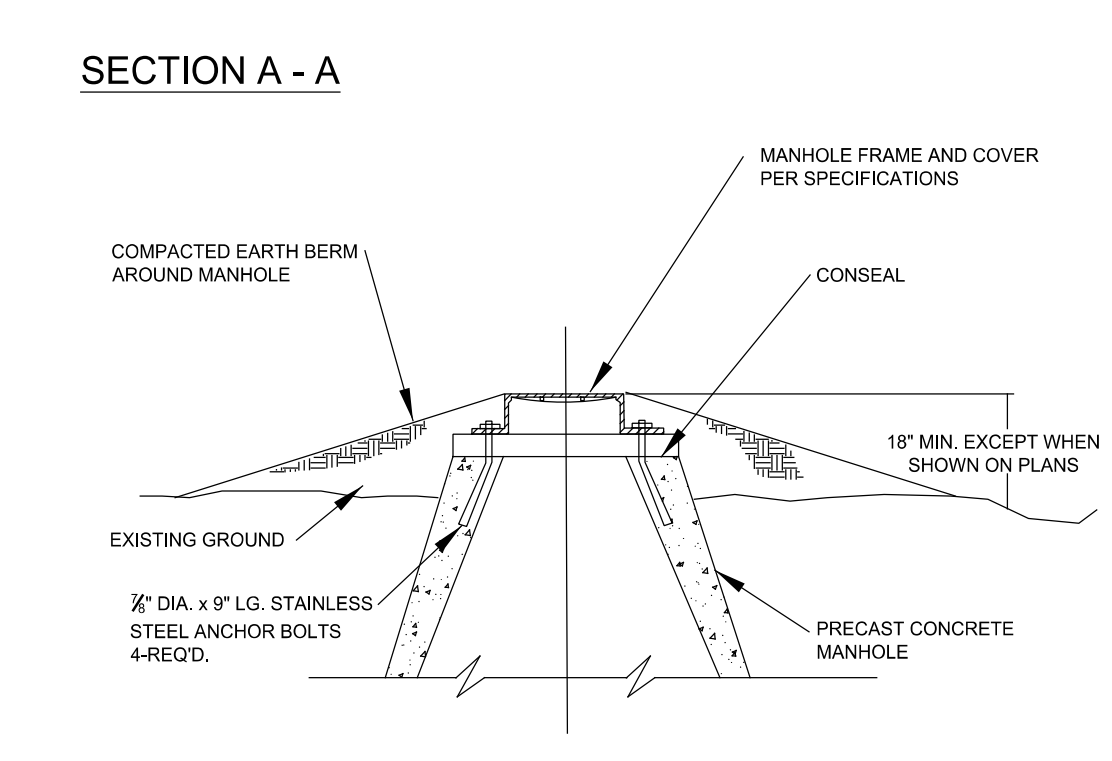


5
002 BUTLER COUNTY WATER AND SEWER
6270 TYPICAL TRENCH DETAIL FOR SANITARY INSTALLATION
NOT TO SCALE

TABLE 1: PERMANENT STABILIZATION

PIPE SIZE	CY CONC PER LIN. FT.	LENGTH OF NO. 3 BARS	SPACING (FT) BETWEEN NO. 3 BARS
8"	0.121	3'-0"	1.64
10"	0.157	4'-0"	1.25
12"	0.177	5'-0"	1.02
16"	0.200	6'-0"	0.85
18"	0.247	6'-10"	0.78
20"	0.270	7'-0"	0.72
24"	0.315	8'-0"	0.63
30"	0.540	10'-0"	0.57

4
002 BUTLER COUNTY WATER AND SEWER
6240 CONCRETE ENCASEMENT DETAIL
NOT TO SCALE



6
002 BUTLER COUNTY WATER AND SEWER
6170 ELEVATED MANHOLE DETAIL
NOT TO SCALE

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000005. (SEE TABLE 1)

TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000005. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S). PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

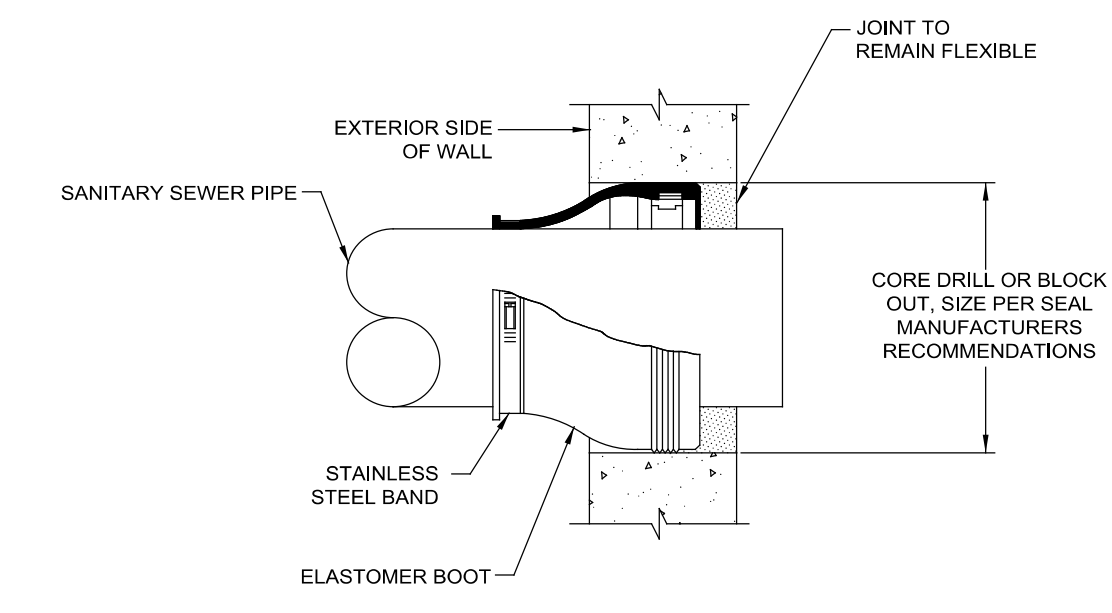
MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

- MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:
- MECHANICAL—USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
 - MULCH NETTINGS—USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
 - SYNTHETIC BINDERS FOR STRAW MULCH. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, 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 NO CONTACT WITH WATERS OF THE STATE.
 - WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 90 LB./100 GAL. OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	PER 1,000 SQ.FT.	PER ACRE
PERENNIAL RYEGRASS	1 POUND	40 POUNDS
TALL FESCUE	1 POUND	40 POUNDS
ANNUAL RYEGRASS	1 POUND	40 POUNDS
SMALL GRAIN STRAW	90 POUNDS	2 TONS
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12

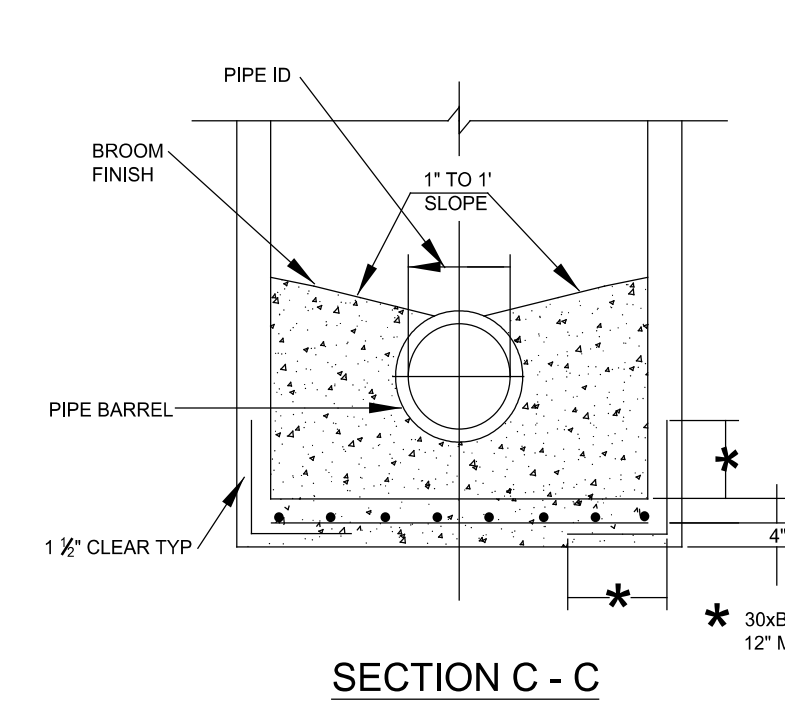
NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED



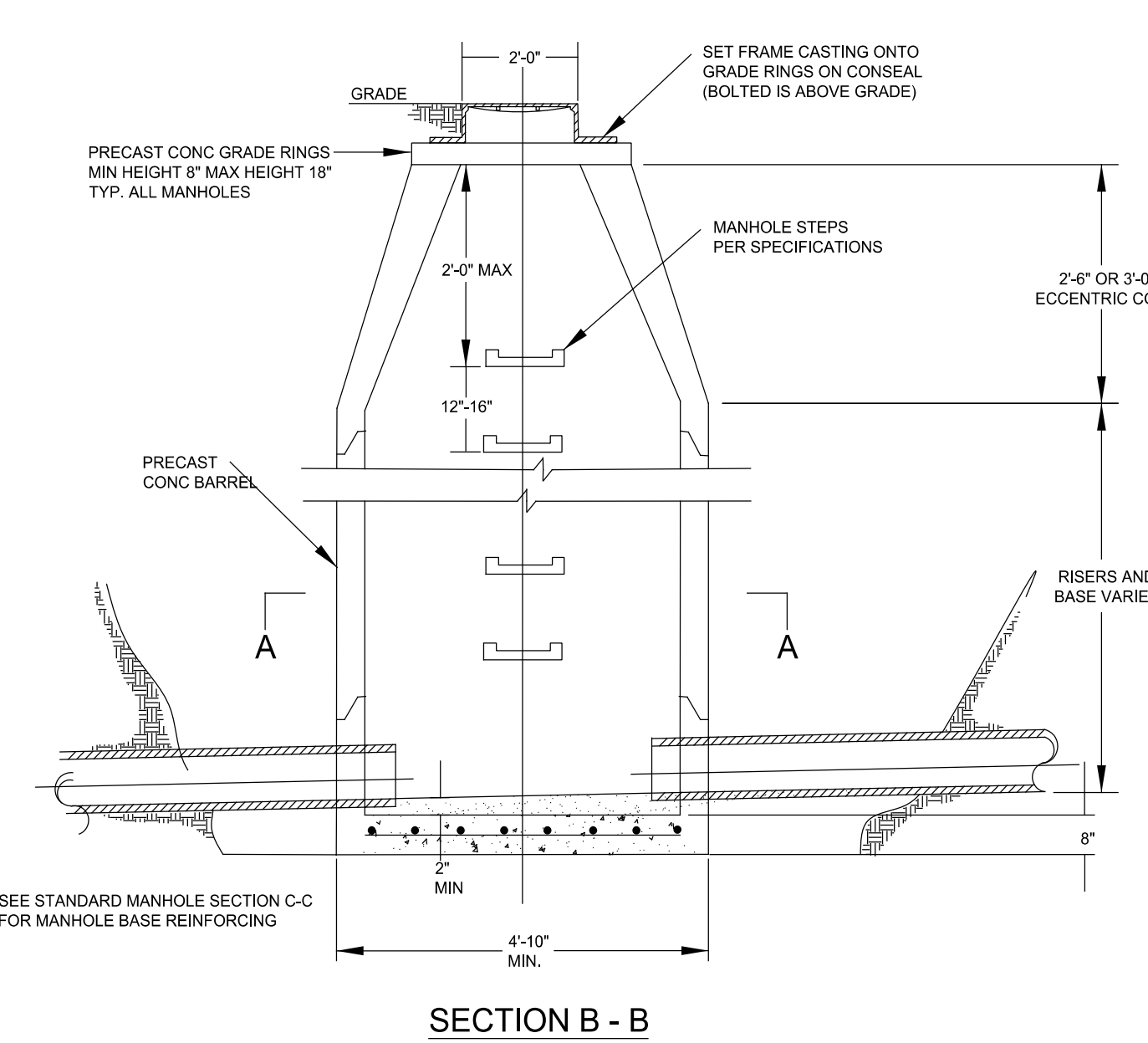
3
002 BUTLER COUNTY WATER AND SEWER
6150 CONNECTION TO EXIST. MANHOLE
NOT TO SCALE

SECTION A - A

M.H. DEPTH	SLAB & DOWELL RESTEEL SQ. IN./FT. E.W.
0'-10"	0.17
11'-20"	0.22
21'-30"	0.27
31'-40"	0.32



7
002 BUTLER COUNTY WATER AND SEWER
6200 STANDARD SANITARY MANHOLE
NOT TO SCALE

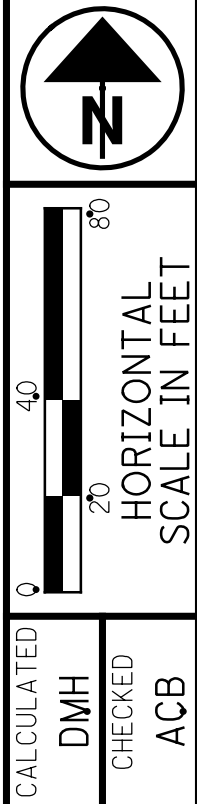
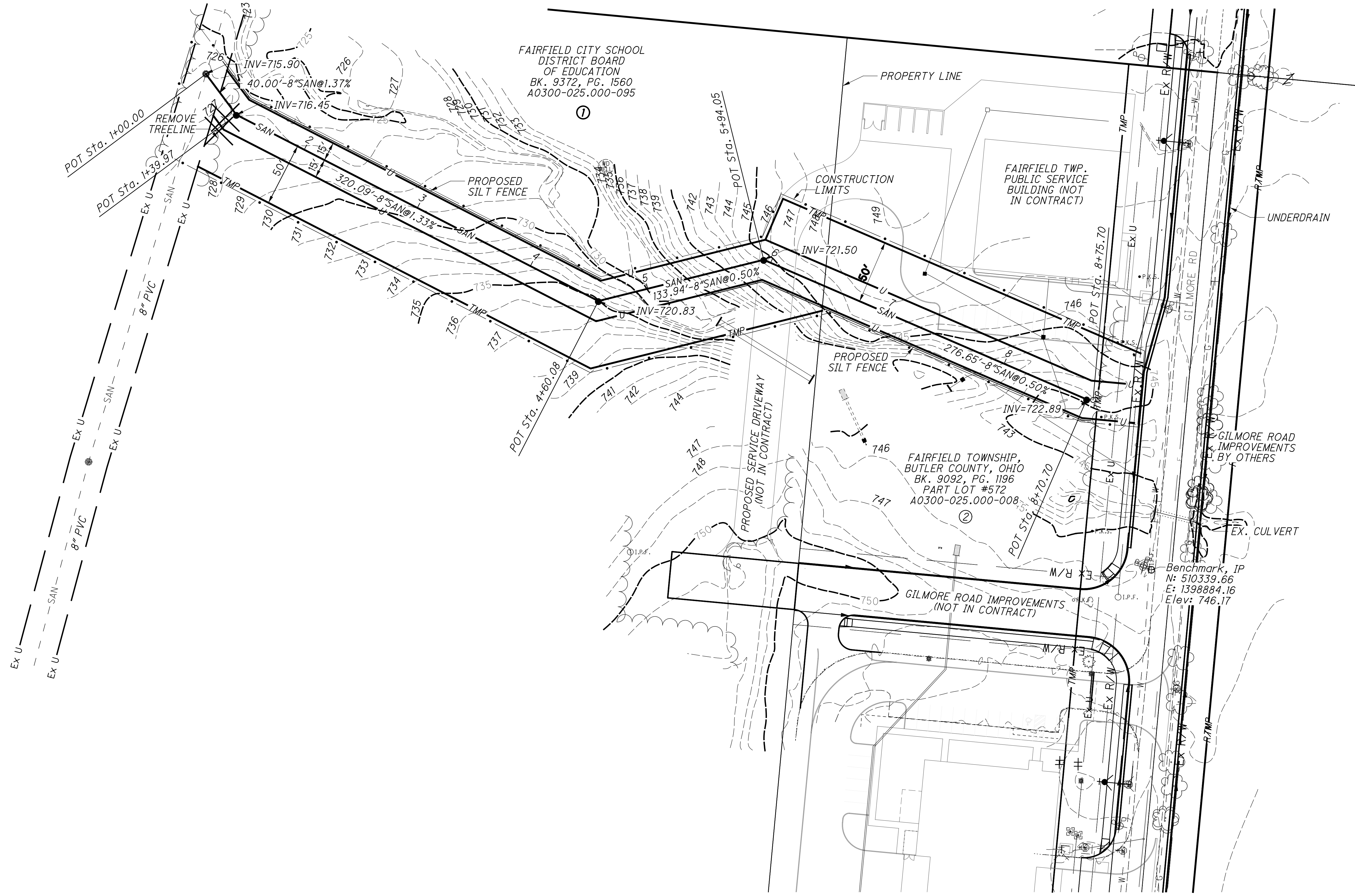


PLAN PREPARED BY:
BUTLER COUNTY WATER AND SEWER
6200 STANDARD SANITARY MANHOLE
NOT TO SCALE



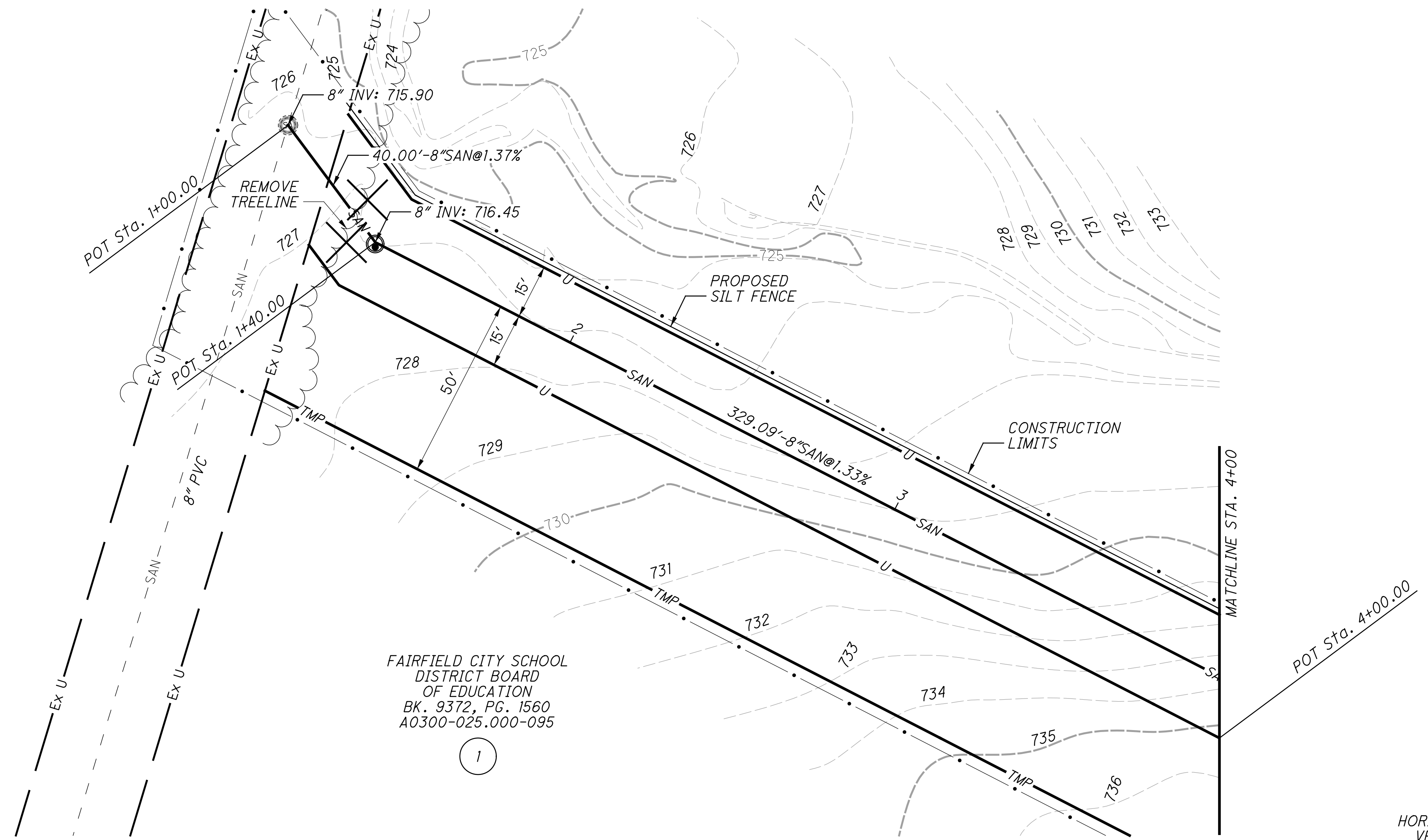
H:\2015\150588\007\88007\Design\Utilities\Basemaps\88007_BU001.dgn 2 - DetailSheet 6/22/2020 2:55:56 PM dhiggins

H:\2015\150588\007\88007_150588_007\Design\Utilities\Basemaps\88007_BU001.dgn 3 - Schematic Design 6/22/2020 4:14:39 PM dhiggins



GILMORE ROAD
SANITARY SEWER EXTENSION SCHEMATIC PLAN

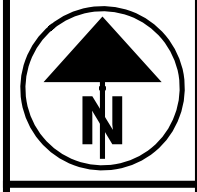
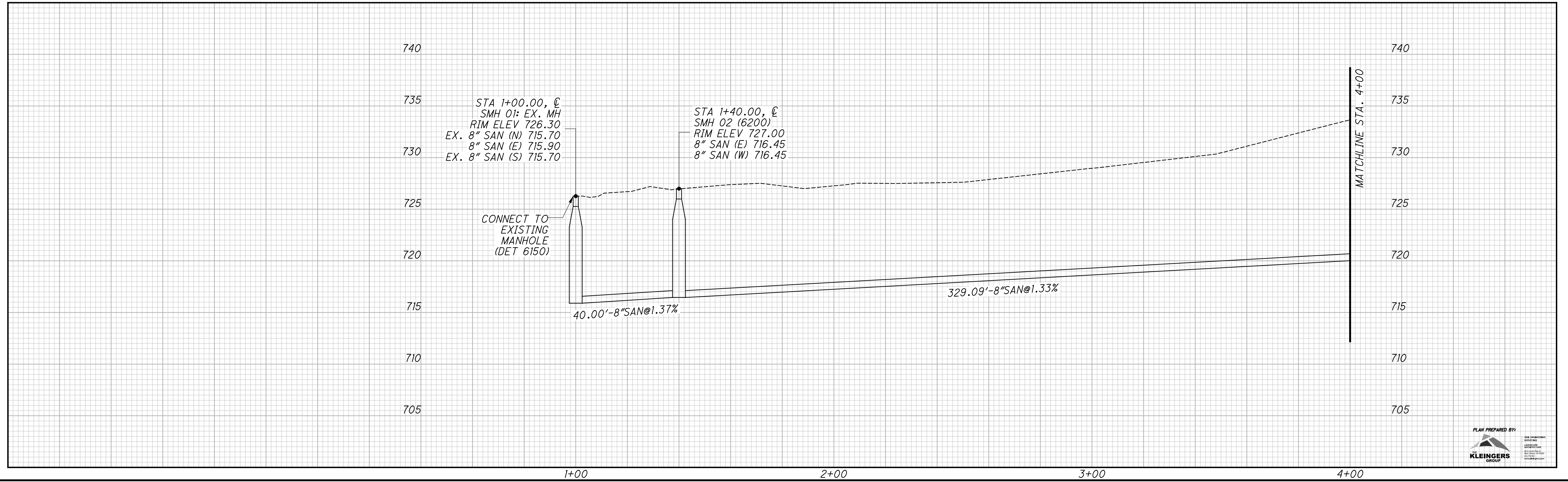
H:\2015\150588\007\88007_150588_007\Design\Utilities\Basemaps\88007_BU001.dgn 4 - Plan and Profile 6/22/2020 4:16:20 PM dhiggins



FAIRFIELD CITY SCHOOL
DISTRICT BOARD
OF EDUCATION
BK. 9372, PG. 1560
A0300-025.000-095

1

SCALE:
HORIZ. 1" = 20'
VERT. 1" = 5'



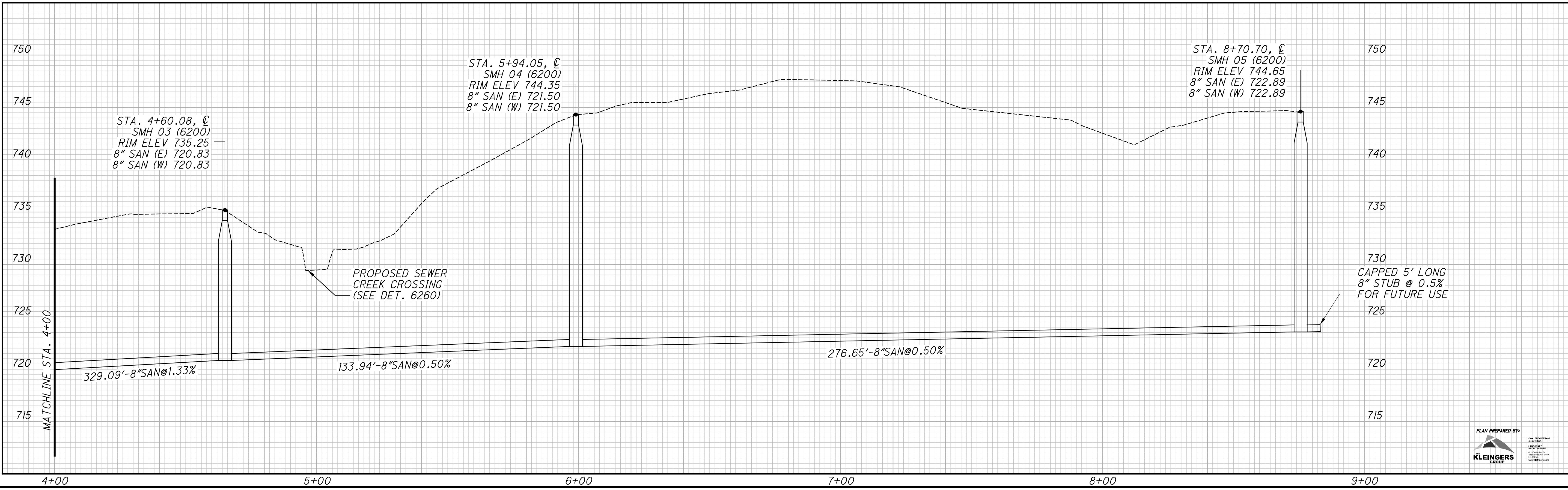
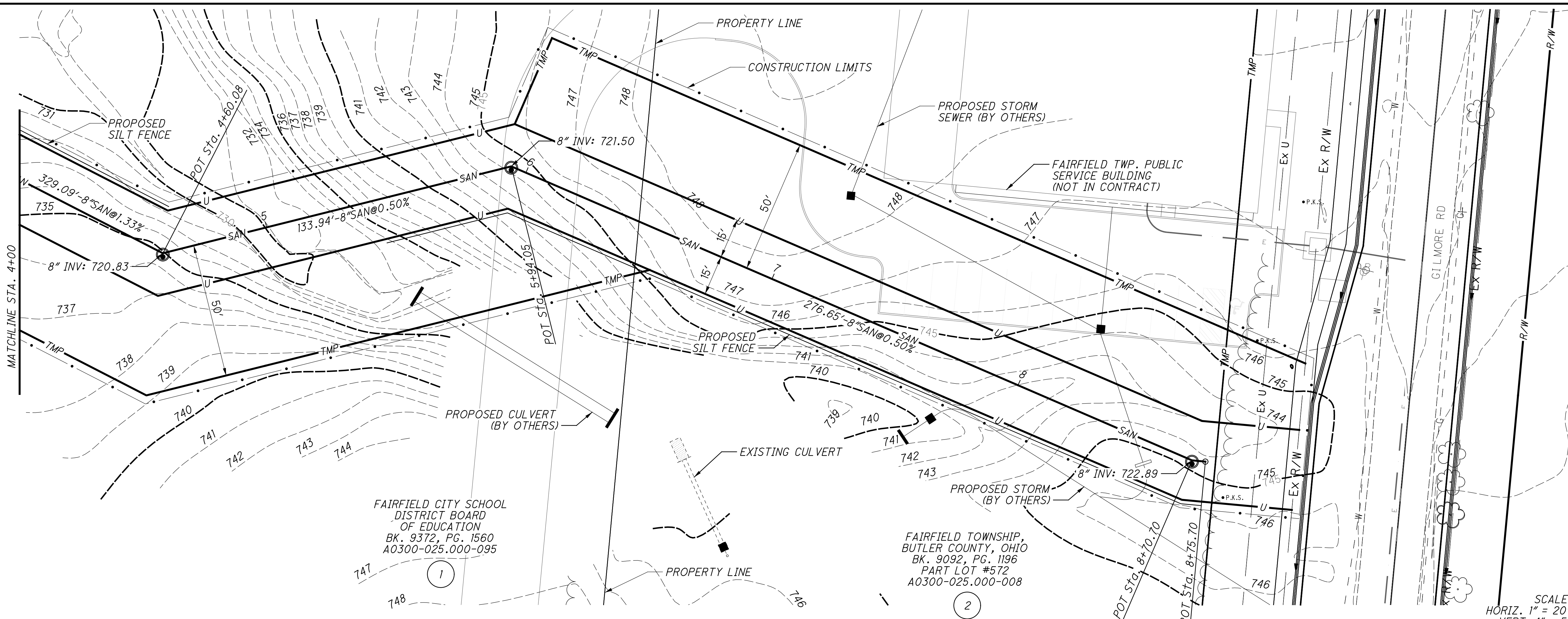
CALCULATED
DMH
CHECKED
ACB

SANITARY SEWER EXTENSION PLAN & PROFILE
STA. 1+00.00 TO STA. 4+00.00

GILMORE ROAD



H:\2015\150588\007\88007_150588\007\Design\Utilities\Basemaps\88007_BU001.dgn 5 - Plan and Profile 6/22/2020 4:17:57 PM dhiggins



SANITARY SEWER EXTENSION PLAN & PROFILE
STA. 4+00.00 TO STA. 8+75.70

GILMORE ROAD

5
5

CALCULATED
DMH
CHECKED
ACB

SCALE:
HORIZ. 1" = 20'
VERT. 1" = 5'

PLAN PREPARED BY:
KLEINGERS GROUP