ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE

Irvine, Kentucky

for the

Estill County Board of Education

253 Main St, Irvine, Kentucky 40336
p 606.723.2181

BG # 22-179

RTA # 2142

rosstarrant architects

101 old lafayette avenue
lexington, kentucky 40502
p 859.254.4018
www.rosstarrant.com

enhancing education through great design

M.E.P. ENGINEER: CMTA, INC.
2429 Members Way
p 859.253.0892
Lexington, Kentucky 40504

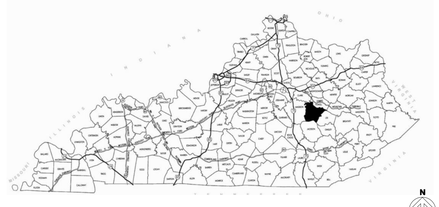
PROJECT SITE ADDRESS:

397 Engineer Rd,
Irvine, Kentucky
40336

VICINITY MAP



PROJECT VICINITY MAP



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rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

COVER SHEET
ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KY 40336

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

BG# 22-179
Project No: 2142
Drawn By: JR
Rev'd By: PF

SHEET RELEASE

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4		
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CONSTRUCTION DOCUMENTS

G0.0

COVER SHEET

DATE ISSUED:
OCTOBER 21, 2021

FLOOD HAZARD NOTES

BASED ON FEMA, FIRM MAP NUMBER 21065C0130D, EFFECTIVE DATE MAY 24, 2011, THE AREA SURVEYED LIES WITHIN FEMA ZONE X. FEMA ZONE X IS DEFINED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.20% ANNUAL CHANCE FLOODPLAIN".

SURVEY NOTES

THE PURPOSE OF THIS SURVEY IS TO PROVIDE SITE IMPROVEMENT & TOPOGRAPHIC INFORMATION ONLY. THIS DOCUMENT DOES NOT REPRESENT A BOUNDARY SURVEY, IS NOT INTENDED FOR RECORDING OR LAND TRANSFER AND IS NOT INTENDED TO COMPLY WITH 201 KAR 18:150.

THE NORTH MERIDIAN SHOWN HEREON ARE BASED ON GPS OBSERVATIONS MADE USING A TRIMBLE R10 NETWORK RECEIVER USING C.O.R.S. STATION "VRS". THE HORIZONTAL DATUM IS KENTUCKY STATE PLANE COORDINATE SYSTEM SINGLE ZONE (NAD 83) GRID NORTH. THE SURVEY CONTROL WAS ESTABLISHED ON APRIL 2, 2019.

THIS SURVEY WAS CONDUCTED BY THE METHOD OF RANDOM TRAVERSE WITH SIDESHOTS USING A TRIMBLE S7 ROBOTIC TOTAL STATION. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE WAS 1:58,560 AND WAS NOT ADJUSTED. .

THIS PROPERTY IS SUBJECT TO ALL EASEMENTS AND RIGHTS OF WAY BOTH RECORDED AND UNRECORDED.

DATE OF SURVEY COMPLETION: 9/14/2020

DISCLAIMERS

THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A TITLE ABSTRACT. NO LIABILITY IS ASSUMED BY THE SURVEYOR FOR ANY LOSS THAT MAY BE DISCOVERED BY AN ABSTRACT OR TITLE SEARCH.

THE SUBSURFACE UTILITY LOCATIONS AND DESCRIPTIONS SHOWN HEREON WERE DETERMINED TO THE EXTENT POSSIBLE BY SURFACE OBSERVATIONS, LOCATION MARKINGS PROVIDED BY THE UNDERGROUND DETECTIVE (TUD) AND LOCATION MARKINGS PROVIDED BY KY 811, LOCATION SERVICE (TICKET NUMBER 200720475, DATED 07/20/2020). LINES SHOWN MAY VARY FROM THE LOCATIONS OUTLINED AND ADDITIONAL UTILITIES AND OR EASEMENTS MAY EXIST. NO LIABILITY IS ASSUMED BY THE SURVEYOR FOR ANY LOSS OR DAMAGE THAT MAY OCCUR DURING DESIGN OR CONSTRUCTION.

LAND SURVEYORS CERTIFICATION

I DO HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED UNDER MY DIRECTION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SHOWN HEREON IS TRUE AND ACCURATE.

ALAN W. LEAKE, P.L.S. #3032 — 10/16/2020 DATE

0 30 60 90
GRAPHIC SCALE (IN FEET)

N
KY SPCS GRID NORTH

LEGEND

- PL — APPROXIMATE PROPERTY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER (FROM SURFACE OBSERVATION ONLY)
- STM — STORM SEWER LINE (UNCONFIRMED)
- SAN — SANITARY SEWER LINE (FROM SURFACE OBSERVATIONS ONLY)
- SS — SANITARY SEWER LINE (FROM NON-SCIENTIFIC METHOD)
- UGE LT — UNDERGROUND LOW VOLTAGE ELECTRIC LINE (FROM TUD MARKS)
- UGE HV — UNDERGROUND HIGH VOLTAGE ELECTRIC LINE (FROM TUD MARKS)
- WL — WATERLINE (FROM TUD MARKS)
- WT — WATERLINE (FROM NON-SCIENTIFIC METHOD)
- W — WATERLINE (FROM KY 811)
- W18 — WATERLINE (FROM 2018 SURVEY)
- WS — WATER SUPPRESSION LINE (FROM TUD MARKS)
- GAS — GAS LINE (FROM KY 811)
- G18 — GAS LINE (FROM 2018 SURVEY)
- UN — UNKNOWN UTILITY (FROM TUD MARKS)
- AU — AERIAL UTILITY (FROM SURFACE OBSERVATIONS ONLY)
- X — FENCE LINE
- POST WITH CABLE
- GUARD RAIL
- COMM — COMMUNICATION LINE (FROM TUD MAKRS)
- IRRI — IRRIGATION LINE (FROM TUD MARKS)
- STORM SEWER MANHOLE
- STORM SEWER DROP INLET
- WATER VALVE
- WATER METER
- FIRE HOSE CONNECTION
- FIRE HYDRANT
- PIV — POST INDICATOR VALVE
- WATER SPIGOT
- GUY WIRE
- CP # — CONTROL POINT
- SANITARY MANHOLE
- LIGHT POLE
- IRRIGATION BOX
- RAIL ROAD SIGNAL
- UTILITY POLE
- GAS VALVE
- GAS METER
- CO — CLEANOUT
- TREE (NOT TO SCALE)
- SIGN
- BOLLARD (NOT TO SCALE)
- COLUMN (NOT TO SCALE)
- FLAG POLE
- PROPERTY MONUMENT FOUND
- DOWNSPOUT TO STORM SYSTEM
- DOWNSPOUT TO SURFACE
- ELECTRIC BOX
- ELEC PANEL — ELECTRIC PANEL
- FOUL POLE
- GAS LINE MARKER
- POST WOOD/METAL

SURVEY CONTROL TABLE

CP #	Northing	Easting	Elevation	Description
46	3795624.75	5430949.81	703.34	MAG HUB IN SHOULDER
47	3796476.99	5430864.89	718.04	MAG HUB IN SHOULDER
53	3795961.99	5430570.07	700.03	MAG NAIL IN ASPHALT
55	3795874.69	5430420.72	690.31	MAG NAIL IN ASPHALT
56	3795216.98	5430570.45	690.10	MAG NAIL IN ASPHALT
57	3796086.13	5430264.24	698.98	MAG NAIL IN ASPHALT
134	3796449.09	5430552.23	710.35	MAG NAIL IN CURB
135	3796119.15	5430579.23	704.66	MAG NAIL IN CURB
142	3797051.80	5429957.21	760.11	IRON PIN SET WITH CAP
146	3797305.77	5429573.45	762.69	IRON PIN SET WITH CAP
150	3796760.70	5430094.14	734.84	MAG NAIL



2020 LIBERTY ROAD, SUITE 105
LEXINGTON, KY 40505
(859) 293-5518

CLIENT:
ESTILL COUNTY BOARD OF EDUCATION
253 MAIN ST
IRVINE, KY 40336

STATE OF KENTUCKY
ALAN W LEAKE 3032
LICENSED PROFESSIONAL LAND SURVEYOR

NO.	DATE	UTILITY EDITS DESCRIPTION	BY	CHK	APV
1	10/16/2020		WLS	AWL	MDG

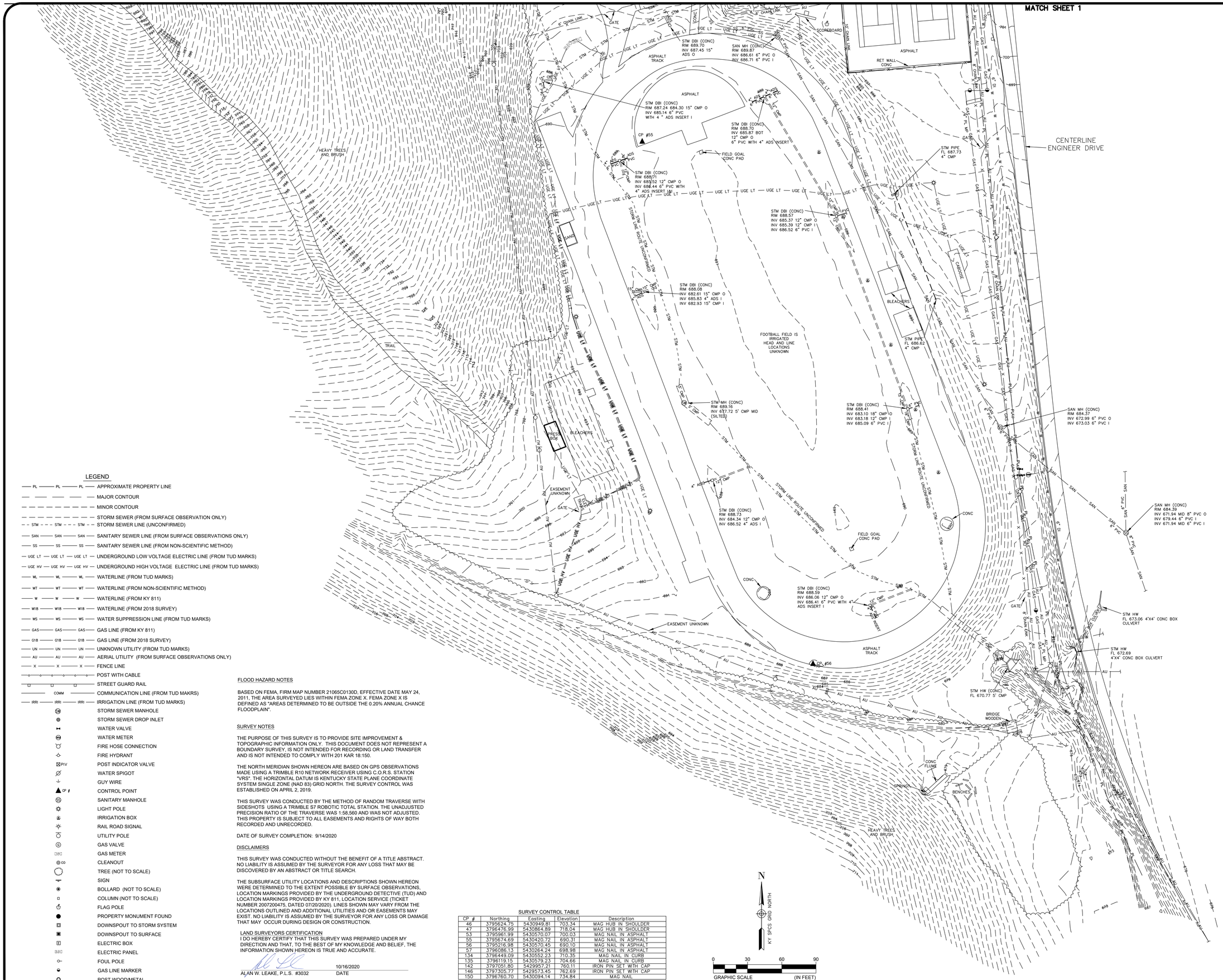
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1"=30'	10/16/2020
DRAWN BY: WLS	CHECKED BY: MDG
FIELDWORK BY: AWL/WLS	APPROVED BY: AWL

TOPOGRAPHIC SURVEY

ESTILL COUNTY HIGH SCHOOL
PHASE #7
ENGINEER DR., IRVINE, ESTILL COUNTY, KENTUCKY

PROJECT NUMBER
7283-20-012

SHEET NUMBER
1 of 2



LEGEND

- APPROXIMATE PROPERTY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
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N
KY SPCS GRID NORTH

0 30 60 90
GRAPHIC SCALE (IN FEET)

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STATE OF KENTUCKY
ALAN W LEAKE 3032
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NO.	DATE	DESCRIPTION	BY	CHK	APV
1	10/16/2020	UTILITY EDITS	WLS	AWL	MDG

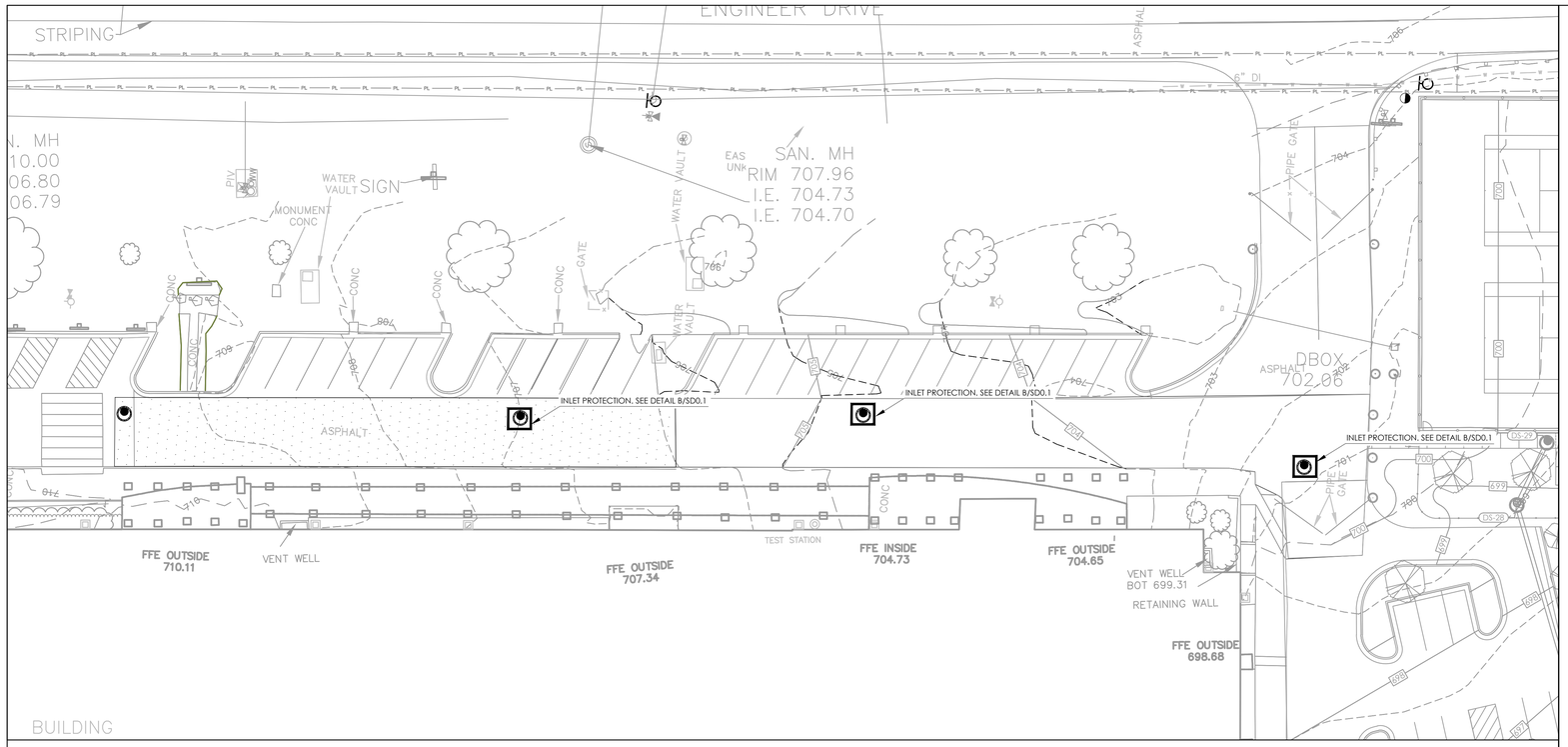
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1"=30'	10/16/2020
DRAWN BY: WLS	CHECKED BY: MDG
FIELDWORK BY: AWL/WLS	APPROVED BY: AWL

TOPOGRAPHIC SURVEY

ESTILL COUNTY HIGH SCHOOL
PHASE #7
ENGINEER DR., IRVINE, ESTILL COUNTY, KENTUCKY

PROJECT NUMBER
7283-20-012

SHEET NUMBER
2 of 2

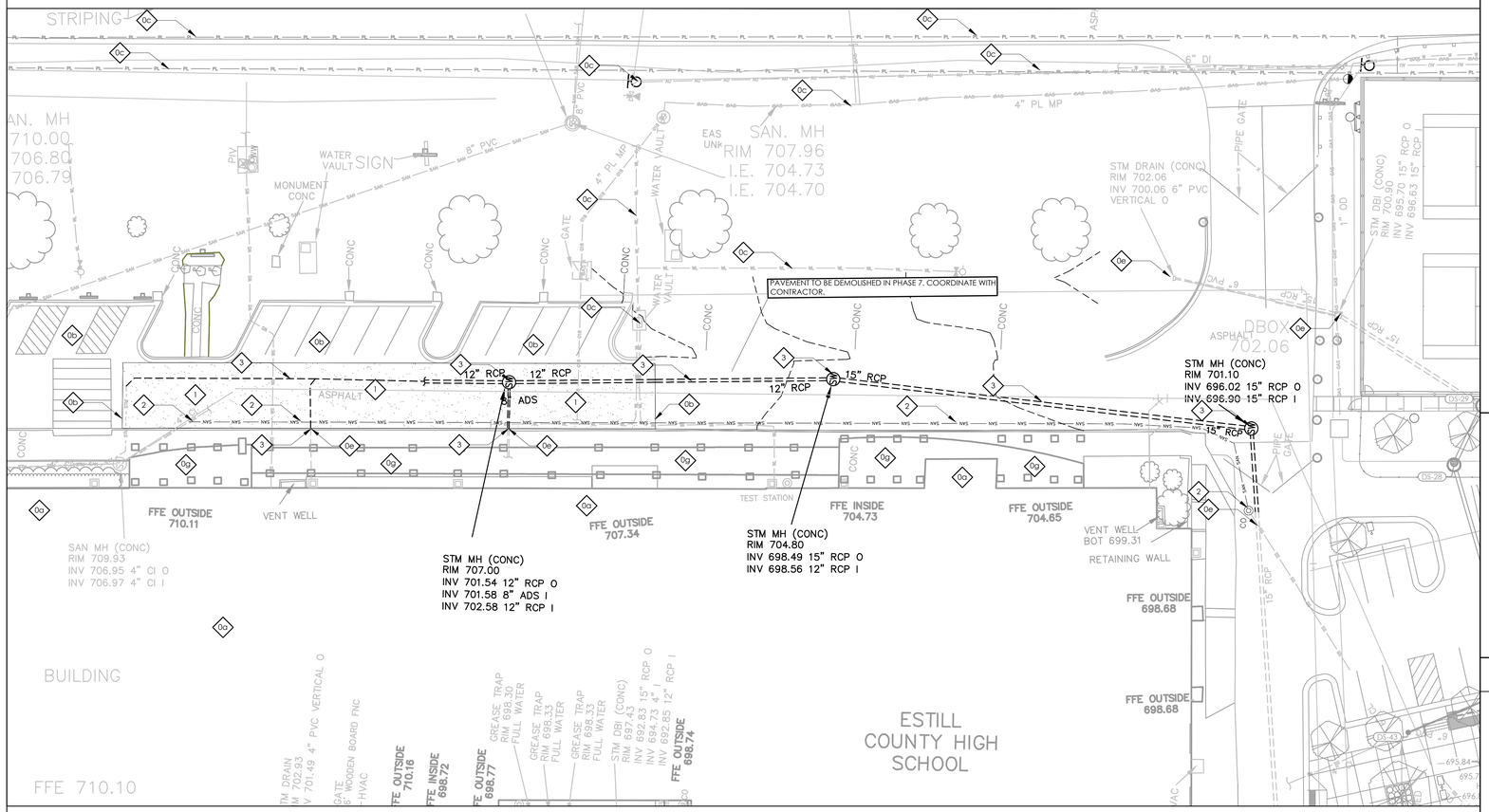


EROSION POLLUTION AND SEDIMENT CONTROL PLAN

SCALE : 1"=20'

E SD0.1

0 20 40 Feet



SITE DEMOLITION PLAN

SCALE : 1"=10'

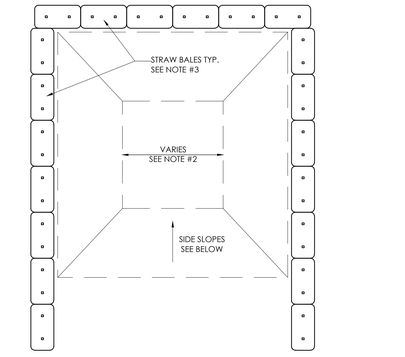
D SD0.1

0 20 40 Feet

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF CONTAINED. LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER AND THE OWNER.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREAS TO THE ARCHITECT FOR APPROVAL PRIOR TO ANY CONCRETE PLACEMENT. COORDINATE LOCATION WITH THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN.

   LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50-FEET FROM AND STREAM, WETLAND, STORM DRAINS OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOOD PLANE.

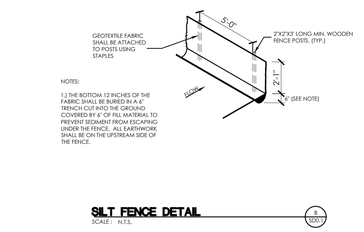
   SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, STRAW BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ARCHITECT, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING.
5. WASHOUT AREA(S) ARE TO BE INSPECTED, CLEANED AND REPAIRED AFTER EACH RAIN EVENT OF 0.5-INCHES OR MORE, BUT NO LESS THAN ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS OR OVERFLOWS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS AND GUIDELINES WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT.



CONCRETE WASHOUT AREA

SCALE : N.T.S.

C SD0.1

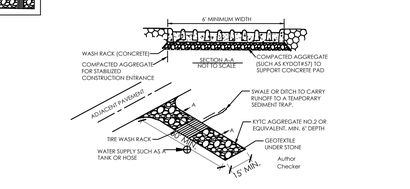


SILT FENCE DETAIL

SCALE : N.T.S.

B SD0.1

PLAN SYMBOL



CONSTRUCTION ENTRANCE

SCALE : N.T.S.

A SD0.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME, 2020 LIBERTY ROAD SUITE 105, LEXINGTON, KENTUCKY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE THIS SHEET FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

SITE BMP NOTES

1. CONTRACTOR IS TO PROVIDE ALL KPDES PERMITS, NOTICES OF INTENT (NOI'S) AND NOTICES OF TERMINATION INCLUDING EROSION AND SEDIMENT CONTROL PLANS FOR ALL PHASES OF CONSTRUCTION. ALL KPDES AND RELATED DIVISION OF WATER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE PROJECT IS CLOSED OUT AND THE NOTICE OF TERMINATION APPROVED.
2. SEDIMENT CONTROL FENCING SHOWN AND REFERENCES TO SEDIMENT CONTROLS AT STORM WATER STRUCTURES AND ELSEWHERE ON THE DOCUMENTS ARE NOT TO BE USED FOR DIVISION OF WATER REQUIREMENTS. THESE REFERENCES ARE ONLY REQUIRED BY THE DESIGNER FOR PROPER MAINTENANCE OF THE STORM WATER SYSTEM AND TO MINIMIZE CLEANING OF THE SYSTEM AND PAVEMENTS.
3. EXISTING VEGETATION IS TO BE LEFT INTACT UNTIL CONSTRUCTION IN THAT PARTICULAR LOCATION IS REQUIRED. SOIL STABILIZATION PRACTICES (SEEDING, MULCHING, ETC.) ARE TO BEGIN WITHIN 14 DAYS OF PERMANENT COMPLETION OR TEMPORARY HALT (21 DAYS OR MORE) OF WORK IN ANY PARTICULAR AREA.
4. PERIMETER SEDIMENT AND EROSION CONTROLS ARE TO BE INSTALLED PRIOR TO THE START OF SITE CLEARING AND GRUBBING. EROSION CONTROLS SHALL BE IN ACCORDANCE WITH KENTUCKY DEPARTMENT OF HIGHWAY STANDARDS. CONTROL SHALL BE ACCOMPLISHED BY USE OF INTERCEPTOR DITCHES, DITCH SILT CHECKS, TEMPORARY SEEDING AND OTHER MEASURES AS MAY BE EFFECTIVE IN ACHIEVING THE DESIRED EFFECT. SILT FENCE SHALL BE INSTALLED TO PREVENT EROSION AND WASH-OFF ONTO WALKS, PAVEMENTS AND ALL ADJOINING PROPERTIES.
5. INSTALL SEDIMENT CONTROL FENCE OR SEDIMENT TRAPS AROUND ALL STORM WATER INLETS AND MAINTAIN UNTIL VEGETATION IS ESTABLISHED OR AREA PAVED AS APPROVED BY THE ARCHITECT. STORM WATER INLET PROTECTION IS TO BE INSTALLED IMMEDIATELY AFTER INSTALLATION OF THE STRUCTURES. REMOVE PROTECTIONS AT THE COMPLETION OF THE PROJECT WHEN CONDITIONS NO LONGER WARRANT THEIR USE. SEE SD4 SHEETS FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THIS SHEET. SEE KDOH STANDARDS FOR INFORMATION CONCERNING THE STONE SILT CHECKS.
7. SEDIMENT CONTROLS ARE TO BE INSPECTED, CLEANED AND REPAIRED AFTER EACH RAIN EVENT OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE PER WEEK. A LOG OF INSPECTIONS AND CLEANING IS TO BE KEPT ON SITE.
8. THE LOCATIONS OF SEDIMENT CONTROLS SHOWN ARE FOR GENERAL PROTECTION PRACTICES AND NOT AS PART OF A BMP PLAN. IF CONSTRUCTION ACTIVITIES PRODUCE CONDITIONS THAT REQUIRE ADDITIONAL CONTROLS, IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE, INSTALL AND MAINTAIN THE CONTROLS UNTIL CONDITIONS NO LONGER WARRANT THEIR USE.
9. ALL STORM DRAINAGE CATCH BASINS, CURB INLETS, AND JUNCTIONS BOXES ARE TO RECEIVE PROTECTION FROM SEDIMENTATION. AT A MINIMUM A PERIMETER SILT FENCE SHOULD BE INSTALLED AROUND THE DRAINAGE STRUCTURE AND INSTALLED UNDER THE GRATE.

SITE DEMOLITION TAGS

◇ 0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- [b] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
- [c] UTILITY TO REMAIN.
- [d] SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
- [e] STORM LINE/STRUCTURE TO REMAIN.
- [f] FENCE TO REMAIN.
- [g] BUILDING OVERHANG TO REMAIN.

◇ 1 DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.

◇ 2 DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

◇ 3 DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.

LEGEND

SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL x/SDx.x

SILT CHECK DAM - SEE DETAIL X/SD4.X

LEGEND

ASPHALT PAVEMENT DEMOLITION

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4618

SITE DEMOLITION AND EROSION POLLUTION AND SEDIMENT CONTROL PLAN
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Rev'd By:	MBM

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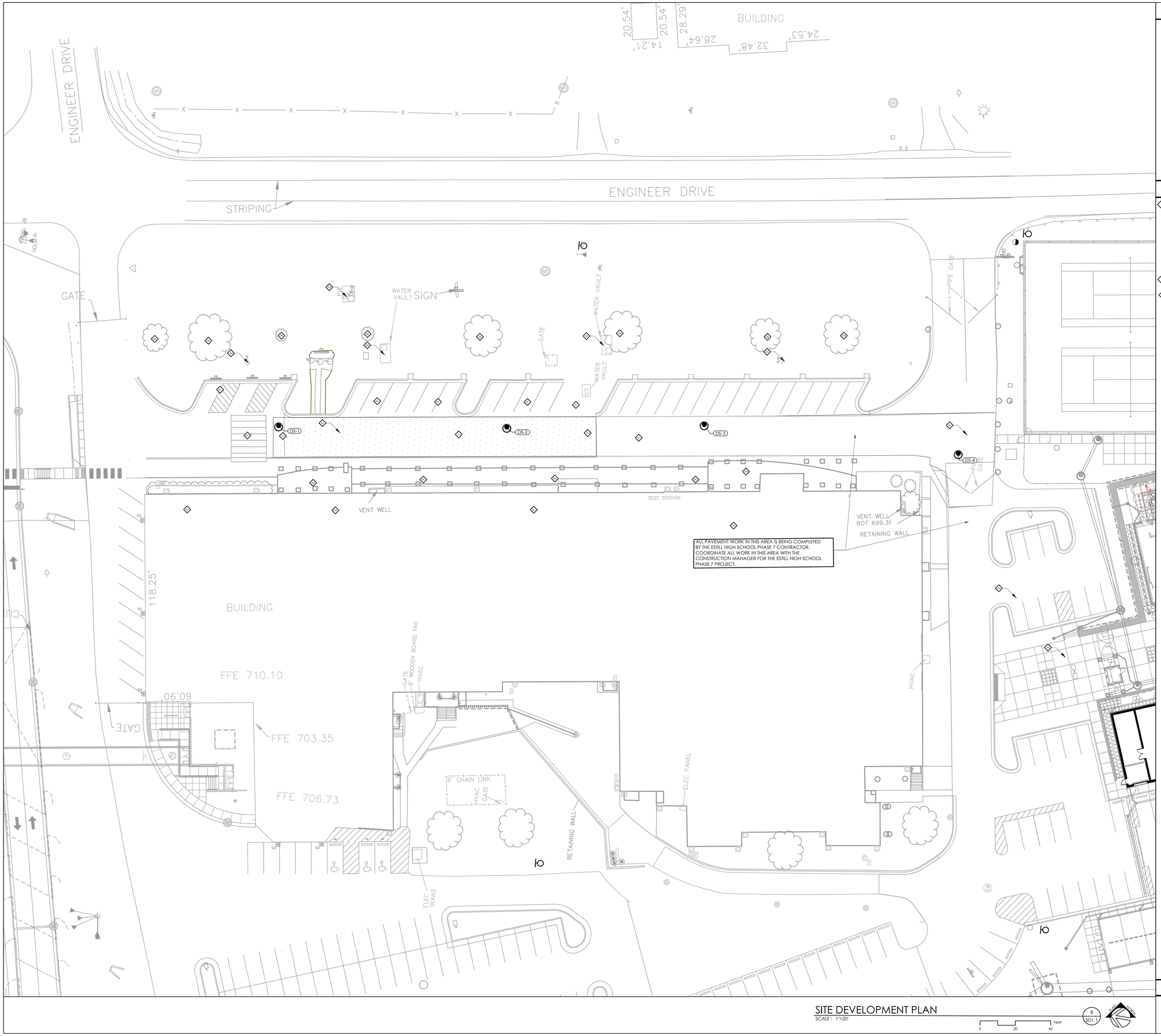
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CONSTRUCTION DOCUMENTS

SD0.1

SITE DEMOLITION AND EROSION POLLUTION AND SEDIMENT CONTROL PLAN

DATE ISSUED:
10/15/2021



GENERAL SITE NOTES

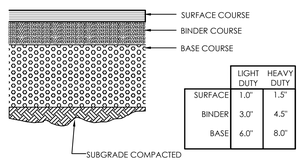
1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME, 2020 LIBERTY ROAD SUITE 105, LEXINGTON, KENTUCKY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE DEVELOPMENT TAGS

0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- [b] BUILDING OVERHANG TO REMAIN.
- [c] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
- [d] UTILITY TO REMAIN.
- [e] TREE TO REMAIN.

1 ASPHALT PAVEMENT (321216)
- [a] HEAVY DUTY ASPHALT PAVING. SEE DETAIL A ON THIS SHEET.

2 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- [a] NEW UTILITY.



	LIGHT DUTY	HEAVY DUTY
SURFACE	1.0"	1.5"
BINDER	3.0"	4.5"
BASE	6.0"	8.0"

ASPHALT PAVEMENT (A / SD1.1)
SCALE: 1-1/2=1'-0"

LEGEND

ASPHALT PAVEMENT

SITE DEVELOPMENT PLAN
SCALE: 1"=20' (B / SD1.1)
0 20 40 Feet

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SITE DEVELOPMENT PLAN
ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT
FOR:
ESTILL COUNTY BOARD OF EDUCATION
397 ENGINEER DR, IRVINE, KY 40336

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p.859.253.0892

BG# 22-179

Project No:	2142
Drawn By:	ELM
Rev'd By:	MBM

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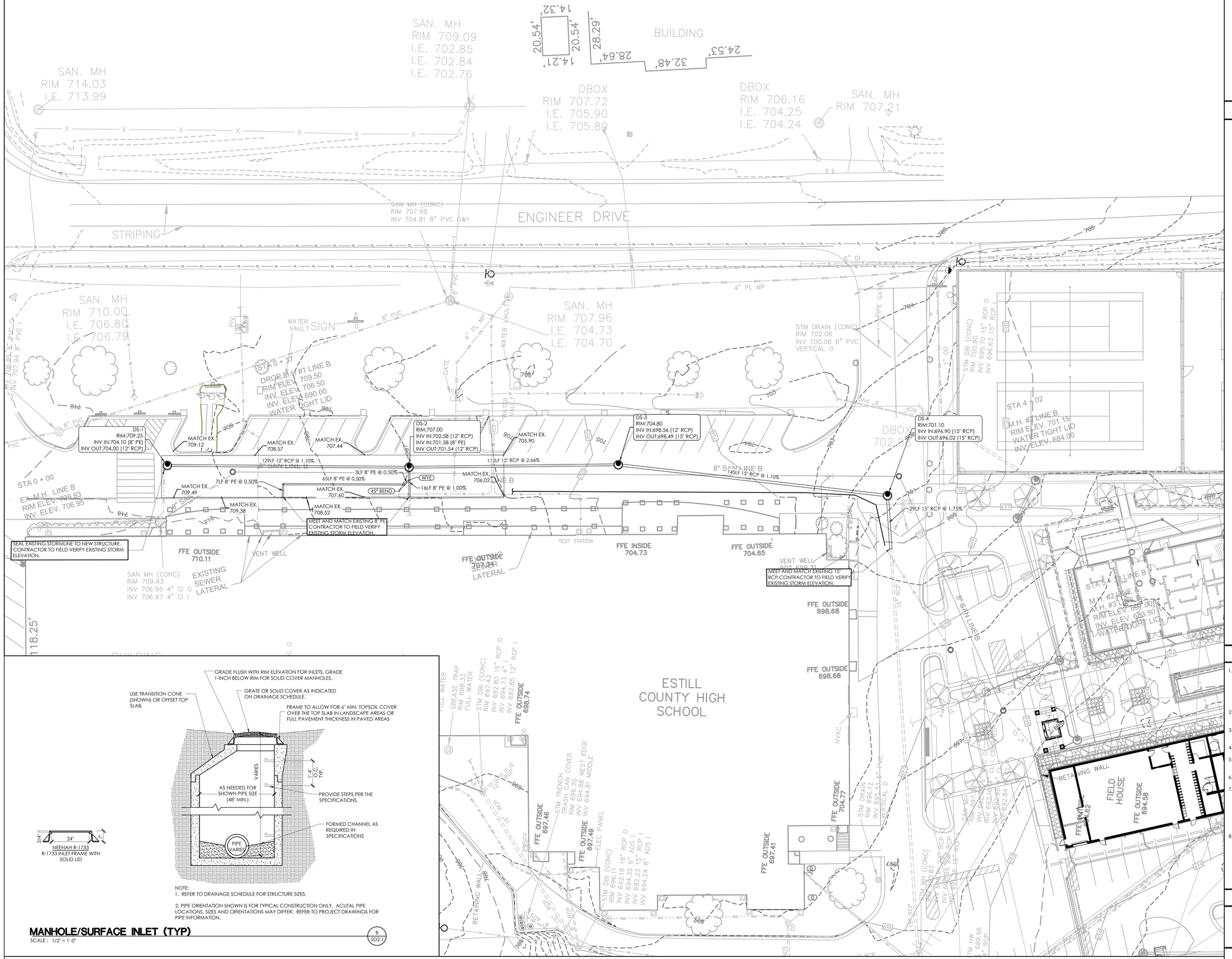
CONSTRUCTION DOCUMENTS

SD1.1

SITE DEVELOPMENT PLAN

DATE ISSUED:
10/15/2021

STRUCTURE SCHEDULE								
STRC. NO.	GRATE ELEV.	INVERT ELEV.	STR. DESC.	GRATE TYPE	FRAME TYPE	DETAIL	NORTHING	EASTING
DS-1	709.25	704.00	48" MANHOLE (MIN)	SOLID LID	NEENAH R-1733	B/SD2.1	3796395.9990	5430547.7009
DS-2	707.00	701.54	48" MANHOLE (MIN)	SOLID LID	NEENAH R-1733	B/SD2.1	3796267.1304	5430557.8731
DS-3	704.80	698.49	48" MANHOLE (MIN)	SOLID LID	NEENAH R-1733	B/SD2.1	3796155.8267	5430568.8064
DS-4	701.10	696.02	48" MANHOLE (MIN)	SOLID LID	NEENAH R-1733	B/SD2.1	3796011.0178	5430564.7707



NOTE:
1. REFER TO DRAINAGE SCHEDULE FOR STRUCTURE SIZES.

2. PIPE ORIENTATION SHOWN IS FOR TYPICAL CONSTRUCTION ONLY. ACUTAL PIPE LOCATIONS, SIZES AND ORIENTATIONS MAY DIFFER. REFER TO PROJECT DRAWINGS FOR PIPE INFORMATION.

MANHOLE/SURFACE INLET (TYP) — 8 / SD2.1
SCALE: 1/2" = 1'-0"

SITE GRADING AND DRAINAGE PLAN — A / SD2.1
SCALE: 1"=20'
0 20 40 Feet

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME, 2020 LIBERTY ROAD SUITE 105, LEXINGTON, KENTUCKY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ACTUAL DEPTHS OF ALL EXISTING STORM DRAINS, GAS MAINS, WATER MAINS, AND PIPES TO ALL NEW CONNECTIONS AND CROSSINGS. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS WHERE CONSTRUCTION OR GRADING MAY INTERFERE WITH SUCH LINES.
2. ANY DISCREPANCIES BETWEEN THIS GRADING PLAN AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION OF ANY SORT. FAILURE TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION SHALL IMPLY THE CONTRACTOR'S VERIFICATION OF AND ACCEPTANCE OF EXISTING SITE CONDITIONS. SAID FAILURE TO NOTIFY THE ARCHITECT IN WRITING SHALL IDENTIFY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY PRUDENT AND REASONABLE OBSERVATION AND VERIFICATION BY THE CONTRACTOR.
3. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%)
4. ALL PERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF TWO PERCENT (2 %) AND A MAXIMUM SLOPE OF THIRTY-THREE PERCENT (33%) EXCEPT WHERE SHOWN.
5. SLOPE PERVIOUS SURFACES MIN. 5 % AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
7. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
8. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
9. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
10. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF THEIR STANDARD PROCTOR MAXIMUM DRY DENSITY AT PLUS OR MINUS TWO (2) PERCENT OF OPTIMUM MOISTURE CONTENT:
    A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
11. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES LOCATED OUTSIDE OF AREAS IDENTIFIED TO BE RE-GRADED ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS.
12. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
13. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
14. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMMODATE CONSTRUCTION TRAFFIC AND SHOULD NOT BE USED FOR SUCH UNLESS STABILIZED USING #2 CRUSHED STONE AND/OR GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL, OR EQUIVALENT AS APPROVED IN THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION TO DISCHARGED CONNECTION. PIPE SLOPE IS TO BE 0.5% MINIMUM.
2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.
4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPY DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER STRUCTURES. DOWNSPOUT BOOT AND DOWNSPOUT SIZES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPING. ENSURE CLEANOUTS ARE DESIGNED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS. CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

LEGEND

- (DS-#) DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.
- (D.S.) DOWNSPOUT BOOT (334993). SEE DETAIL D/SD3.1

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

SITE GRADING AND DRAINAGE PLANS
ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT
FOR:
ESTILL COUNTY BOARD OF EDUCATION
397 ENGINEER DR, IRVINE, KY 40336

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

BG# 22-179

Project No:	2142
Drawn By:	ELM
Rev'd By:	MBM

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SCHEMATIC DESIGN

SD2.1

SITE GRADING AND DRAINAGE PLANS

DATE ISSUED:
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BEFORE YOU DIG

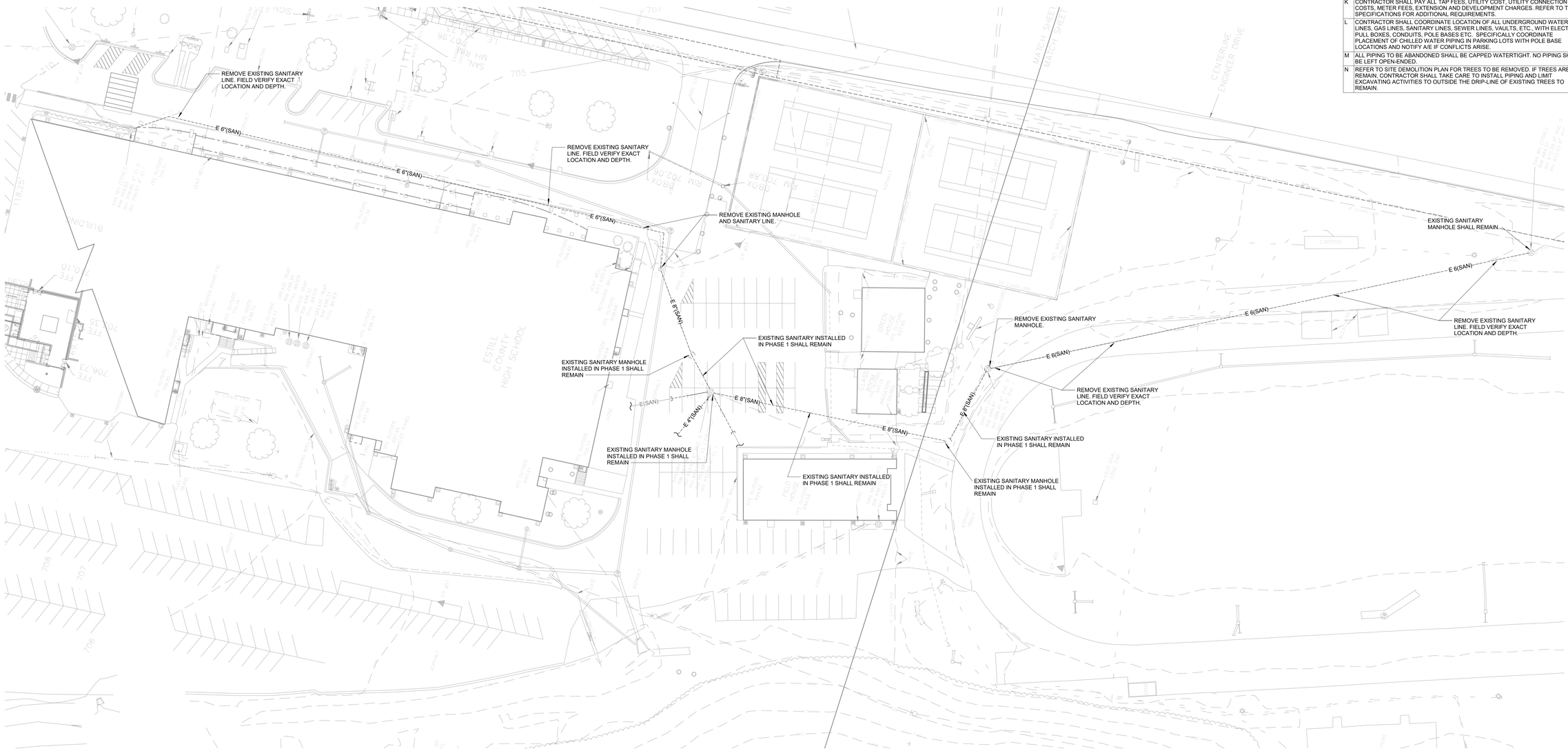
THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

SITE UTILITIES LEGEND

	EXISTING	DEMOLITION	NEW
OVERHEAD PRIMARY	EOP	DOP	OP
OVERHEAD SECONDARY	EOS	DOS	OS
OVERHEAD STREET LIGHTING	EOSL	DOSL	OSL
OVERHEAD TRAFFIC SIGNAL	EOTS	DOTS	OTS
OVERHEAD TELECOMMUNICATIONS	EOT	DOT	OT
OVERHEAD FIBER OPTIC	EOF	DOF	OF
OVERHEAD CATV	EOTV	DOTV	OTV
UNDERGROUND PRIMARY	EUP	DUP	UP
UNDERGROUND SECONDARY	EUS	DUS	US
UNDERGROUND STREET LIGHTING	EUSL	DUSL	USL
UNDERGROUND TRAFFIC SIGNAL	EUTS	DUTS	UTS
UNDERGROUND TELECOMMUNICATIONS	EUT	DUT	UT
UNDERGROUND FIBER OPTIC	EUF	DUF	UF
UNDERGROUND CATV	EUTV	DUTV	UTV
CHILLED WATER	CW	CW	CW
DOMESTIC WATER	W	W	W
GAS	GAS	GAS	GAS
HIGH PRESSURE SUPPLY	HPS	HPS	HPS
HIGH PRESSURE RETURN	HPR	HPR	HPR
PUMP DISCHARGE RETURN	PDR	PDR	PDR
SANITARY SEWER	SS	SS	SS
STORM	STORM	STORM	STORM
FIRE HYDRANT	F.H.	D(F.H.)	F.H.
WATER VALVE	WV	D(WV)	WV
EXTERIOR CLEANOUT	ECO	D(ECO)	ECO

SITE UTILITY GENERAL NOTES - MECHANICAL

A	DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS.
B	CONTRACTOR SHALL CUT ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REFER TO CM SCOPING DOCUMENTS FOR PATCH AND REPAIR OF CONCRETE/ASPHALT/GRADE. ANY SUCH WORK NOT EXPLICITLY MENTIONED UNDER A SEPARATE CONTRACT IS TO BE INCLUDED IN THE CONTRACTOR'S BID.
C	FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
D	WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICES IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
E	PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT AND THE BUILDING OPERATORS AT LEAST TWO WEEKS IN ADVANCE OF THE ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.
F	LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKE FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY (CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE BUILDING ENGINEER AND THE MECHANICAL ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
G	CONTRACTOR SHALL REFER TO CM SCOPING DOCUMENT FOR PATCH AND REPAIR OF LANDSCAPING THAT IS DISTURBED BY WORK OCCURRING IN THIS PROJECT. ANY SUCH PATCH AND REPAIR NOT EXPLICITLY COVERED UNDER A SEPARATE CONTRACT SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
H	THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.
I	THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.
J	THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.
K	CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
L	CONTRACTOR SHALL COORDINATE LOCATION OF ALL UNDERGROUND WATER LINES, GAS LINES, SANITARY LINES, SEWER LINES, VAULTS, ETC., WITH ELECTRICAL PULL BOXES, CONDUITS, POLE BASES ETC. SPECIFICALLY COORDINATE PLACEMENT OF CHILLED WATER PIPING IN PARKING LOTS WITH POLE BASE LOCATIONS AND NOTIFY A/E IF CONFLICTS ARISE.
M	ALL PIPING TO BE ABANDONED SHALL BE CAPPED WATERTIGHT. NO PIPING SHALL BE LEFT OPEN-ENDED.
N	REFER TO SITE DEMOLITION PLAN FOR TREES TO BE REMOVED. IF TREES ARE TO REMAIN, CONTRACTOR SHALL TAKE CARE TO INSTALL PIPING AND LIMIT EXCAVATING ACTIVITIES TO OUTSIDE THE DRIP-LINE OF EXISTING TREES TO REMAIN.



SITE UTILITIES - MECHANICAL DEMOLITION H.S.

1 SCALE: 1" = 30'-0"

0 15' 30' 60' 90' 120'

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

SITE UTILITIES - MECHANICAL DEMOLITIONS H.S.

ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT

FOR:

ESTILL COUNTY BOARD OF EDUCATION

397 ENGINEER DR., IRVINE, KY 40336

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BG# 22-179

Project No: 2142/XEHS21
Drawn By: CWE
Rev'd By: CMR

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CONSTRUCTION DOCUMENTS

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SITE UTILITIES - MECHANICAL DEMOLITIONS H.S.
DATE ISSUED:
OCTOBER 20, 2021

TAGGED NOTES

##

U23 CONNECT TO EXISTING SANITARY SEWER LATERAL THERE MAY BE OTHER LATERALS NOT SHOWN ON THE PLANS. FIELD VERIFY EXACTS LOCATION AND DEPTHS. TYP.

U28 USE EXTREAM CAUTION AROUND NEWLY INSTALLED STRUCTURES.

U29 CONNECT TO EXISTING GRAVITY SEWER SYSTEM. FIELD VERIFY EXACT LOCATION AND DEPTH.

U35 CONTRACTOR SHALL RECONNECT UNFORESEEN SEWER LATERALS TO NEW SANITARY MAINS.

U36 EXISTING GEOTHERMAL WELLFIELD. FIELD VERIFY EXACT LOCATION BEFORE CONTRUCTION BEGINS.

U56 CONNECT TO EXISTING MANHOLE. FIELD VERIFY EXACT LOCATION AND DEPTH.

U90 COORDINATE WITH CIVIL PLANS FOR FINISH GRADES.

U91 REFER TO DIVISION 31 TRENCHING 312316.13 FOR ALL TRENCHING OF UTILITIES.



1 SITE UTILITES - MEP HIGH SCHOOL

SCALE: 1" = 30'-0"

0 15' 30' 60' 90' 120'

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

SITE UTILITIES - MEP HIGH SCHOOL

ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT

FOR:

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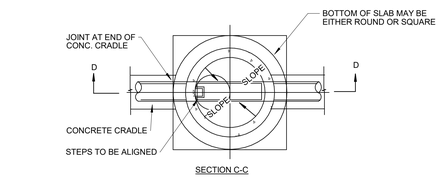
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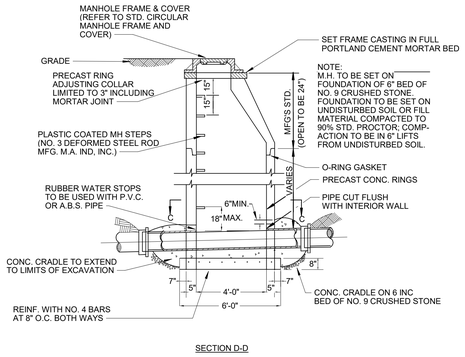
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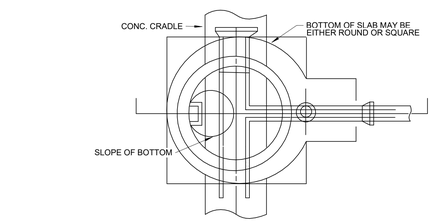
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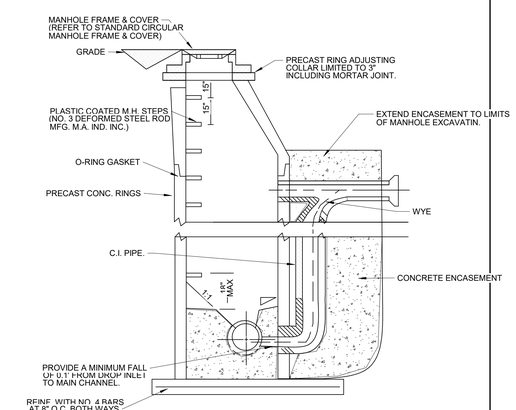


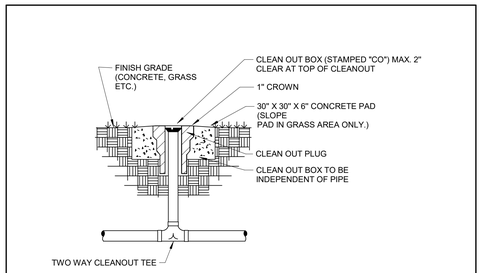
SECTION C-C



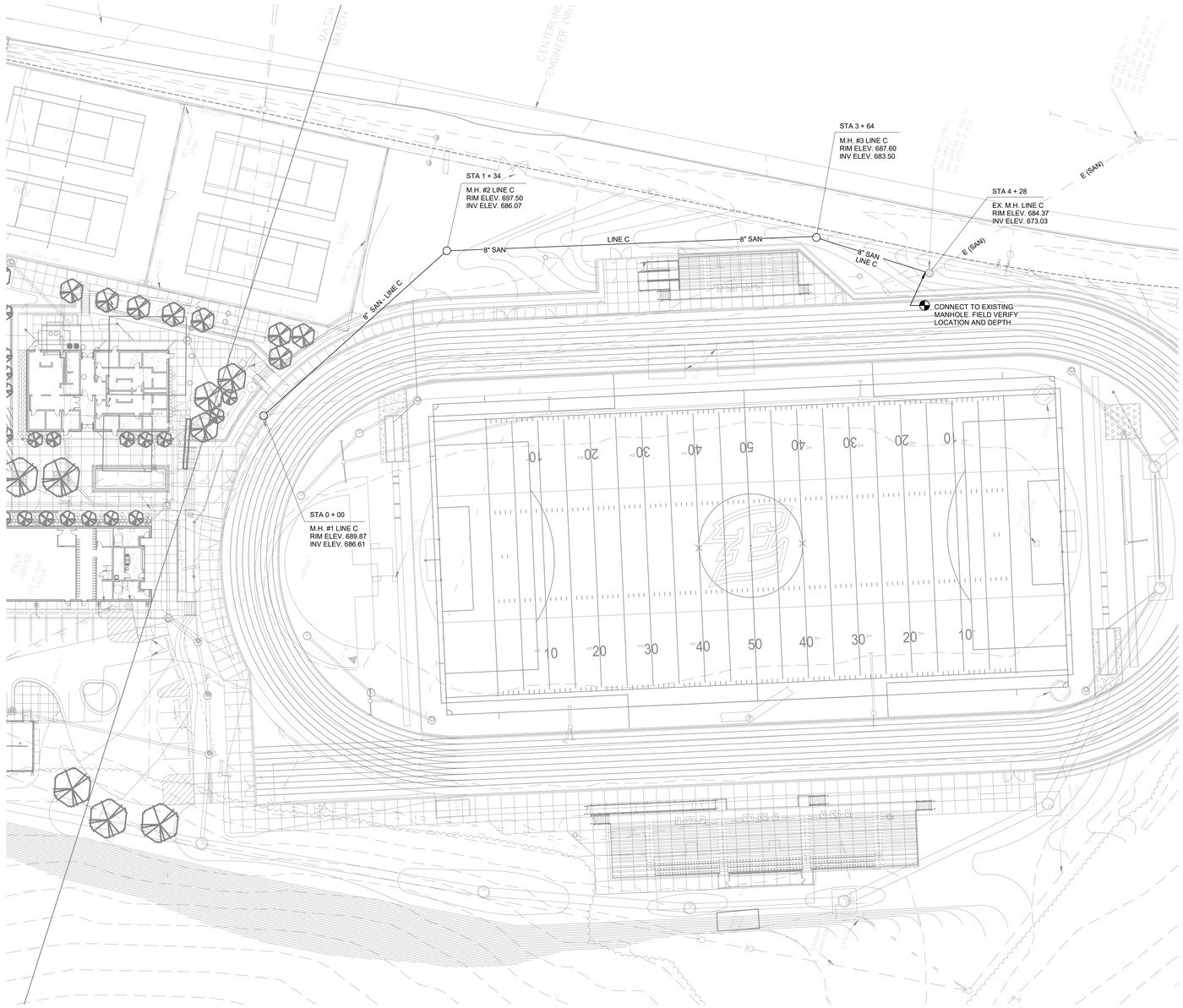
SECTION D-D







NOTE: ALL CLEANOUTS SHALL BE FLUSH WITH THE ELEVATION OF THE SURFACE ON WHICH IT IS BEING INSTALLED, WHETHER IT BE GRASS OR CONCRETE. INSTALL PER KBC AND OTHER APPLICABLE CODES.



1 SITE UTILITES - FOOTBALL AREA
SCALE: 1" = 30'-0"
0 15' 30' 60' 90' 120'

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

SITE UTILITIES - FOOTBALL AREA
ESTILL COUNTY HIGH SCHOOL ESSER III SANITARY LINE REPLACEMENT
FOR:
ESTILL COUNTY BOARD OF EDUCATION
397 ENGINEER DR, IRVINE, KY 40336

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

BG# 22-179
Project No: 2142/XEHS21
Drawn By: CWE
Rev'd By: CMR

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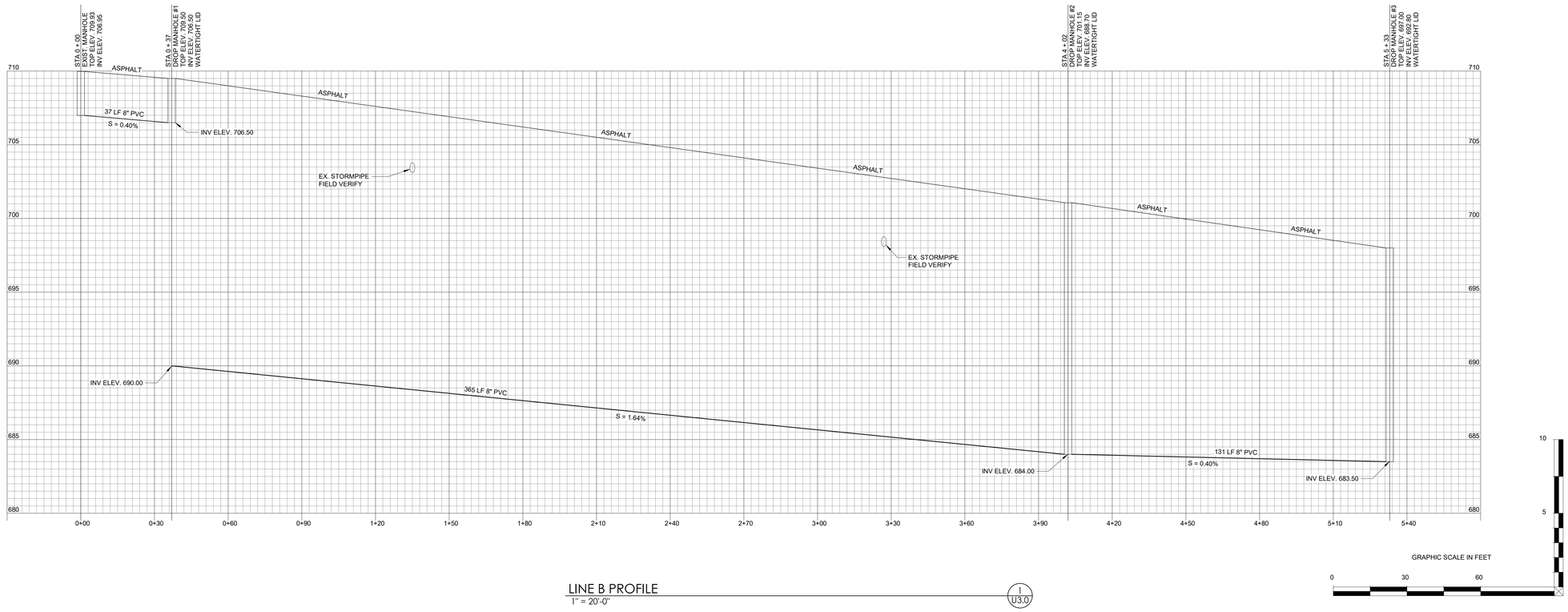
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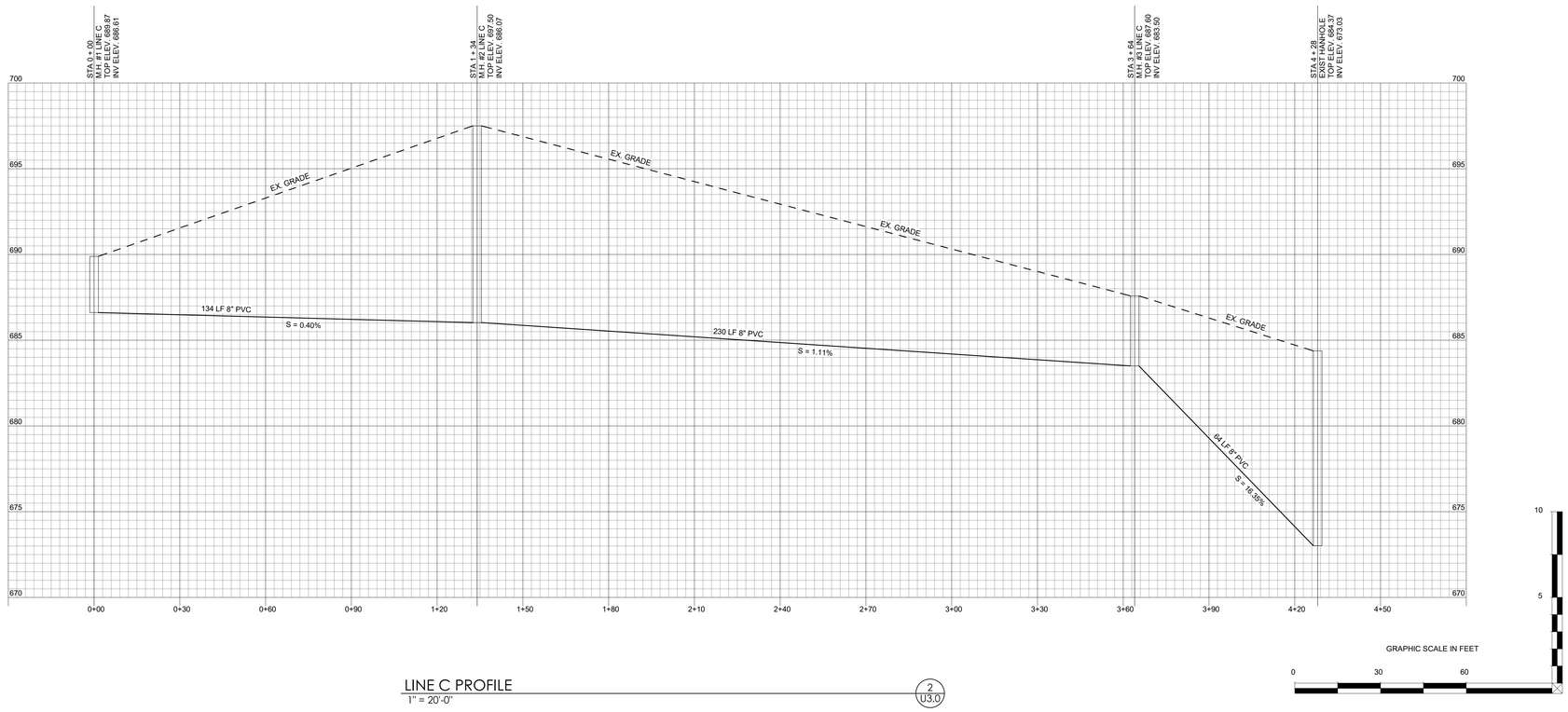
SITE UTILITIES - FOOTBALL AREA

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LINE B PROFILE
1" = 20'-0"

1
U3.0



LINE C PROFILE
1" = 20'-0"

2
U3.0

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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