ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
Irvine, Kentucky

for the

Estill County Board of Education

253 Main Street, Irvine, Kentucky 40336
p 606.723.2181

BG # 22-207
RTA # 2148

rosstarrant architects

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

enhancing education through great design

STRUCTURAL ENGINEER:
STRUCTURAL DESIGN GROUP, INC.
220 Great Circle Road, Suite 106 Nashville, Tennessee 37228
p 615.255.5537

M.E.P. ENGINEER:
STAGGS & FISHER
3264 Lochness Drive Lexington, Kentucky 40517
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HARDWARE CONSULTANT:
CALVERT INDEPENDENT HARDWARE SPECIFICATIONS, LLC
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p 502.930.2039

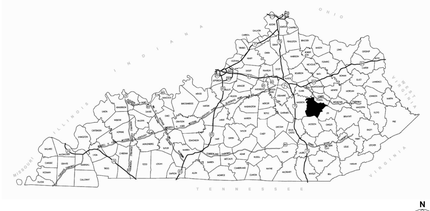
CONSTRUCTION MANAGER:
CODELL CONSTRUCTION COMPANY
4475 Rockwell Rd. Winchester, Kentucky 40391
p 859.744.2222

PROJECT SITE ADDRESS:

314 Main St.
Irvine, KY 40336

VICINITY MAP

PROJECT VICINITY MAP



INDEX OF DRAWINGS

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

COVER SHEET
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
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Lexington, KY 40517
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Structural Engineer:
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220 Great Circle Rd. Suite 106
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Construction Manager:
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P.O. Box 17
Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	KM
Rev'd By:	JR

SHEET RELEASE

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CONSTRUCTION DOCUMENTS

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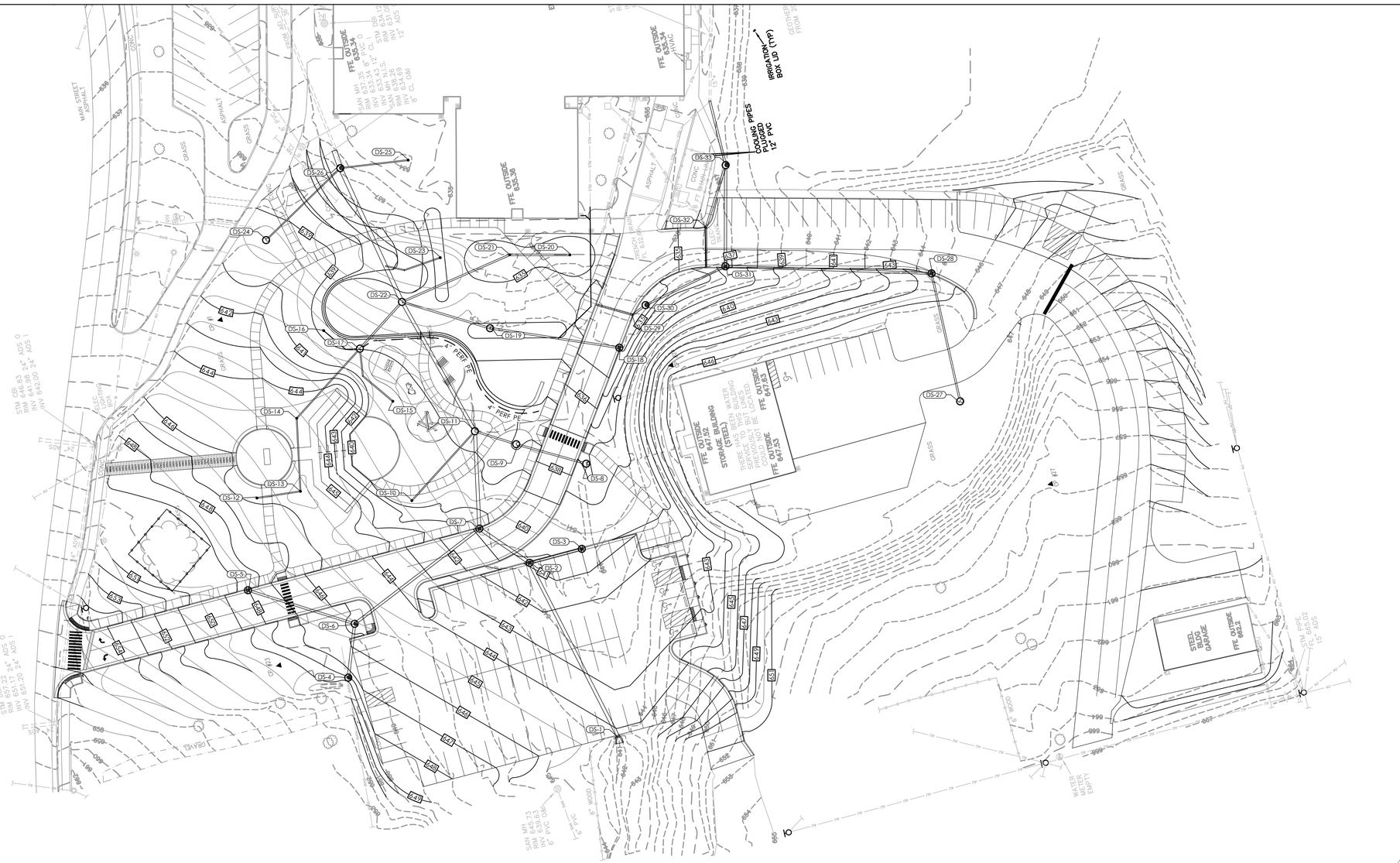
COVER SHEET

DATE ISSUED:
MARCH 14, 2022



SITE EROSION POLLUTION AND SEDIMENT CONTROL PLAN

SCALE : 1"=30'

E SD0.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2000 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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 ARCHITECTS 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 THIS SHEET 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 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 KYTC. 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 THE SD4 SHEETS. SEE KYTC 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.

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NOT FOR CONSTRUCTION

SITE EROSION POLLUTION AND SEDIMENT CONTROL PLAN
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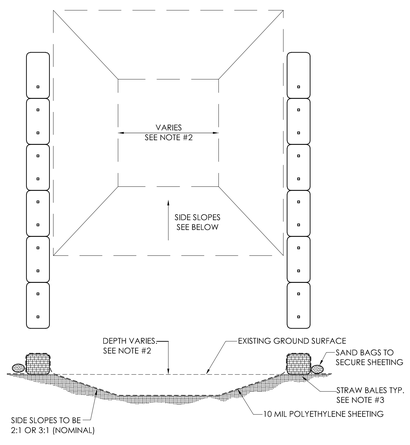
DESIGN DEVELOPMENT

SD0.1
OVERALL SITE DEVELOPMENT AND LAYOUT PLAN
DATE ISSUED: 03/01/2022

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 ANY 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 WASHOUTS HEIGHT.



CONCRETE WASHOUT AREA

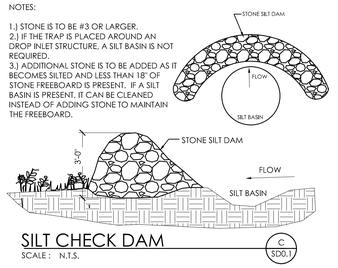
SCALE : N.T.S.

D SD0.1

PLAN SYMBOL

NOTES:

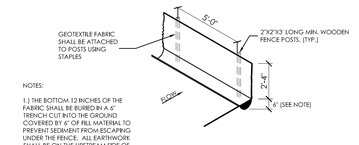
1.) STONE IS TO BE #3 OR LARGER.
2.) IF THE TRAP IS PLACED AROUND AN DROP INLET STRUCTURE, A SILT BASIN IS NOT REQUIRED.
3.) ADDITIONAL STONE IS TO BE ADDED AS IT BECOMES SILTED AND LESS THAN 18" OF STONE FREEBOARD IS PRESENT. IF A SILT BASIN IS PRESENT, IT CAN BE CLEANED INSTEAD OF ADDING STONE TO MAINTAIN THE FREEBOARD.



SILT CHECK DAM

SCALE : N.T.S.

C SD0.1



NOTES:

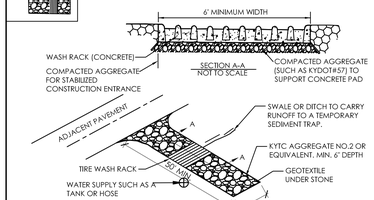
1.) THE BOTTOM 12 INCHES OF THE FABRIC SHALL BE BURIED IN A 6" TRENCH CUT INTO THE GROUND COVERED BY 6" OF FILL MATERIAL TO PREVENT SEDIMENT FROM ESCAPING UNDER THE FENCE. ALL EARTHWORK SHALL BE ON THE UPSTREAM SIDE OF THE FENCE.

SILT FENCE DETAIL

SCALE : N.T.S.

B SD0.1

PLAN SYMBOL



CONSTRUCTION ENTRANCE

SCALE : N.T.S.

A SD0.1

LEGEND

- SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL B/SD0.1
- LIMITS OF CONSTRUCTION
- SILT CHECK DAM - SEE DETAIL C/SD0.1
- TREE PROTECTION FENCE. INSTALLED PER SPECIFICATIONS

SITE DEMOLITION PLAN
SCALE : 1"=30'

A
SD0.2

PLAN NORTH

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
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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] TREE/VEGETATION TO REMAIN.
- [d] FENCING TO REMAIN.
- [e] WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
- [f] SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
- [g] GAS LINE, VALVE, OR METER TO REMAIN.
- [h] STORM LINE/STRUCUTRE TO REMAIN
- [i] ELECTRIC LINE, POLE, OR METER TO REMAIN.
- [j] COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
- [k] GEOTHERMAL UTILITY TO REMAIN.
- [l] GRAVEL PAVEMENT TO REMAIN.

1 DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT, STAIR, AND AGGREGATE BASE.

2 DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.

3 EXISTING ASPHALT TO BE MILLED AND OVERLAYED.

4 DEMOLISH AND REMOVE EXISTING CONCRETE CURB/CURB AND GUTTER. SAW CUT TO PROVIDE CLEAN TRANSITION FOR ADJACENT NEW CURB.

5 DEMOLISH AND REMOVE EXISTING SITE WALL AND FOUNDATION.

6 DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE, SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

7 DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.

8 EXISTING TREE TO BE REMOVED, SEE A/SD0.2 TREE PROTECTION AND REMOVAL PLAN FOR ADDITIONAL INFORMATION.

LEGEND

- CONCRETE PAVEMENT DEMOLITION
- ASPHALT PAVEMENT DEMOLITION
- CONCRETE STAIR DEMOLITION
- GRAVEL PAVEMENT DEMOLITION

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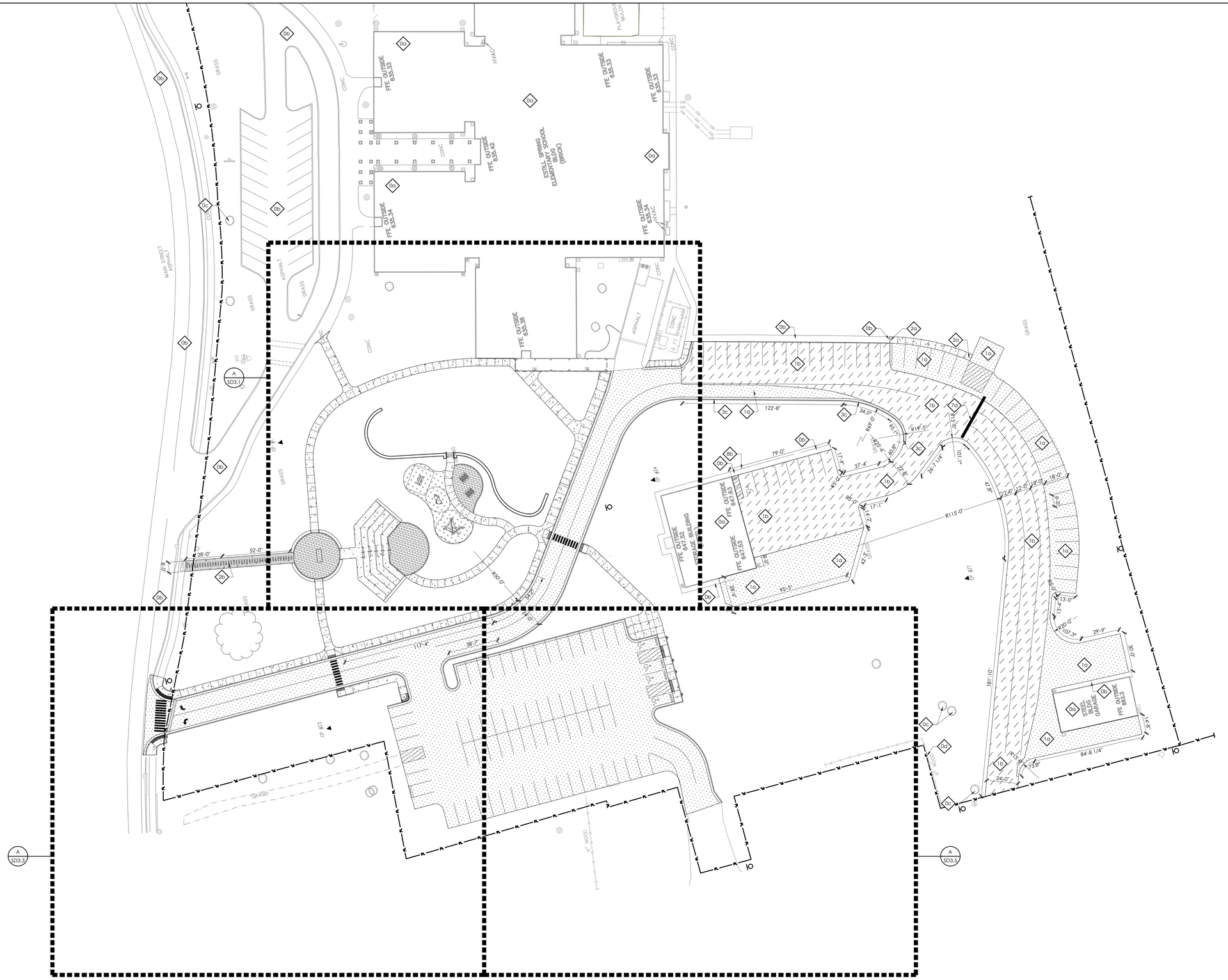
CONSTRUCTION DOCUMENTS

SD0.2

SITE DEMOLITION PLAN

DATE ISSUED: 03/01/2022 02/07/2022



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SITE DEVELOPMENT TAGS

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- (k) GEOTHERMAL UTILITY TO REMAIN.
- (l) GRAVEL PAVEMENT TO REMAIN.

1 ASPHALT PAVEMENT (321216)
- (a) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
- (b) ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2

2 CONCRETE PAVEMENT (321313, 321373)
- (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
- (b) 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2

3 CONCRETE CURB (321313, 321613, 321726)
- (a) 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
- (b) 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
- (c) CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
- (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2

4 PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2

5 CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2

6 SEGMENTAL BLOCK RETAINING WALL, SEE DETAIL M/SD4.2

7 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
- (c) 4" PAVING STRIPE, BLUE
- (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE.
- (e) 4" PAVING STRIPING, YELLOW.
- (f) PAINTED CROSSWALK. SEE DETAIL O/SD4.2
- (g) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2

8 TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
- (a) STOP SIGN.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
- (c) "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
- (d) "VISITOR PARKING ONLY" SIGN. SEE DETAIL
- (e) "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.

9 CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2

10 MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3

11 SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
- (a) 'PUP TENT' CLIMBER
- (b) 'PICNIC' BOULDER
- (c) 'SPOKANE' TIMBER STACK STRUCTURE
- (d) PICNIC TABLE

12 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

13 RECONSTRUCTED BUILDING MEMORIAL, SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.

14 GRANULAR RUBBER PLAYGROUND SURFACING, SEE DETAIL H/SD4.3

15 CONCRETE AMPHITHEATER AND STAIRS (32131) SEE DETAIL A & B/SD4.3

16 CONCRETE STAIR SEE DETAIL E & F/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

OVERALL SITE DEVELOPMENT AND LAYOUT PLAN
SCALE: 1"=30'
A SD1.0

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OVERALL SITE DEVELOPMENT AND LAYOUT PLAN

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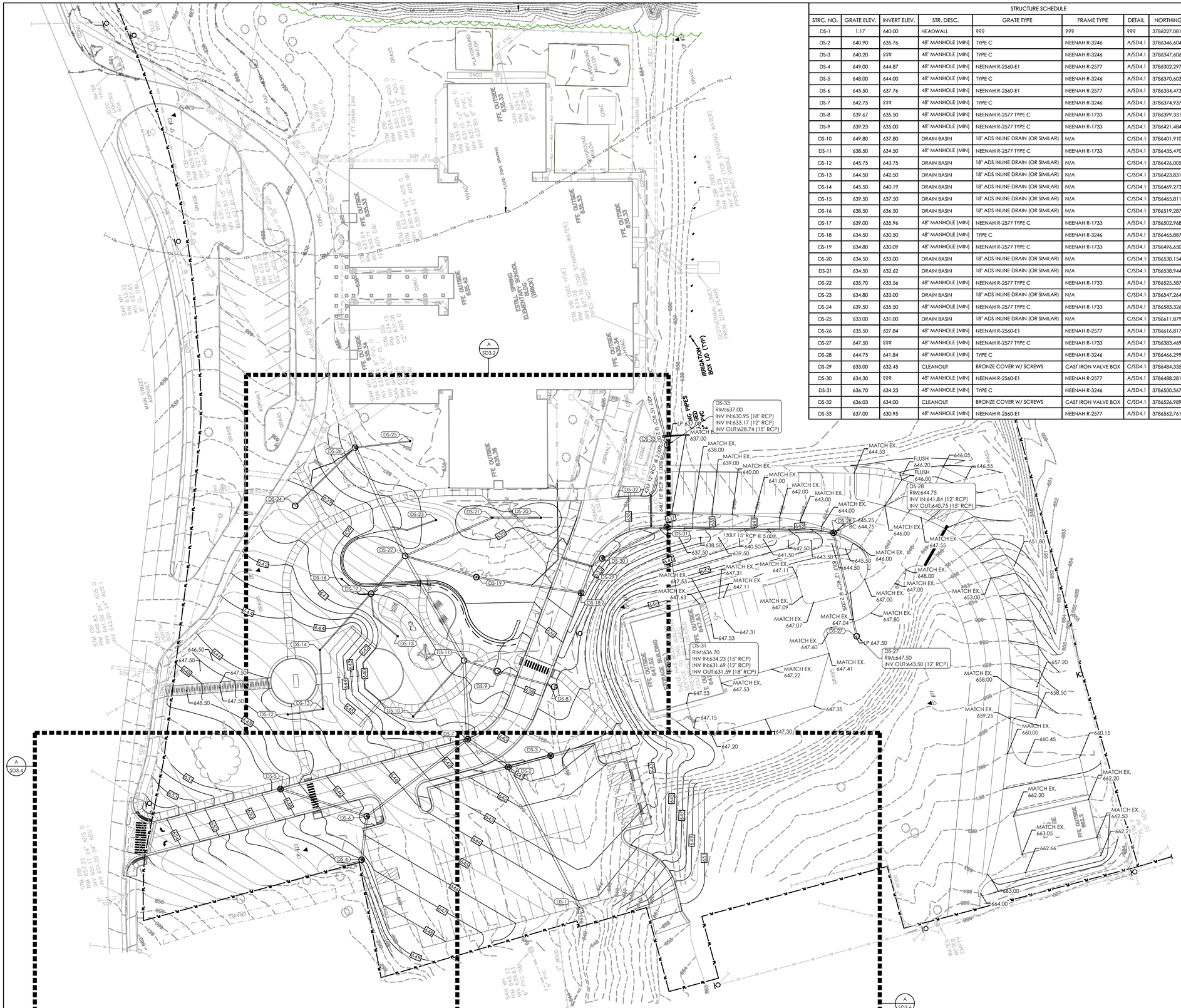

STRUCTURE SCHEDULE

STRC. NO.	GRATE ELEV.	INVERT ELEV.	STR. DESC.	GRATE TYPE	FRAME TYPE	DETAIL	NORTHING	EASTING
DS-1	1.17	640.00	HEADWALL	???	???	???	3786227.0812	5434729.2382
DS-2	640.90	635.76	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786346.6049	5434700.0309
DS-3	640.20	???	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786347.6061	5434734.2068
DS-4	649.00	644.87	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786302.2972	5434571.8528
DS-5	648.00	644.00	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786370.6039	5434522.8556
DS-6	645.50	637.76	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786334.4731	5434583.6134
DS-7	642.75	???	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786374.9374	5434674.1402
DS-8	639.67	635.50	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786399.3311	5434749.3057
DS-9	639.23	635.00	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786421.4849	5434709.0625
DS-10	649.80	637.80	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786401.9103	5434636.6309
DS-11	638.50	634.50	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786435.4700	5434685.5138
DS-12	645.75	643.75	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786426.0051	5434541.7531
DS-13	644.50	642.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786423.8311	5434569.4824
DS-14	645.50	640.19	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786469.2732	5434577.7787
DS-15	639.50	637.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786465.8116	5434639.3576
DS-16	638.50	636.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786519.2873	5434607.0693
DS-17	639.00	635.96	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786502.9681	5434626.7527
DS-18	634.50	630.50	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786465.8877	5434786.4570
DS-19	634.80	630.09	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786496.6505	5434709.7786
DS-20	634.50	633.00	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786530.1541	5434769.5075
DS-21	634.50	632.62	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786538.9448	5434732.4987
DS-22	635.70	633.56	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786525.5878	5434659.4273
DS-23	634.80	633.00	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786547.2640	5434689.3587
DS-24	639.50	635.50	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786583.3265	5434584.8061
DS-25	633.00	631.00	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786611.8793	5434683.8084
DS-26	635.50	627.84	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786616.8174	5434640.8721
DS-27	647.50	???	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786383.4698	5434988.3028
DS-28	644.75	641.84	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786466.2995	5434989.3063
DS-29	635.00	632.45	CLEANOUT	BRONZE COVER W/ SCREWS	CAST IRON VALVE BOX	C/SD4.1	3786484.3354	5434799.5750
DS-30	634.30	???	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786488.2817	5434808.7899
DS-31	636.70	634.23	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786500.5675	5434863.5043
DS-32	636.03	634.00	CLEANOUT	BRONZE COVER W/ SCREWS	CAST IRON VALVE BOX	C/SD4.1	3786526.9895	5434857.1124
DS-33	637.00	630.95	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786562.7610	5434878.3626

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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 ARCHITECTS 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.
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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 ACCOMODATE 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.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

OVERALL SITE GRADING & DRAINAGE PLAN

SCALE : 1"=30'

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

NOT FOR CONSTRUCTION

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
BOARD OF EDUCATION
IRVINE, KENTUCKY

SITE GRADING & DRAINAGE PLAN

M.E.&P. Engineer:
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Structural Engineer:
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Nashville, TN 37228
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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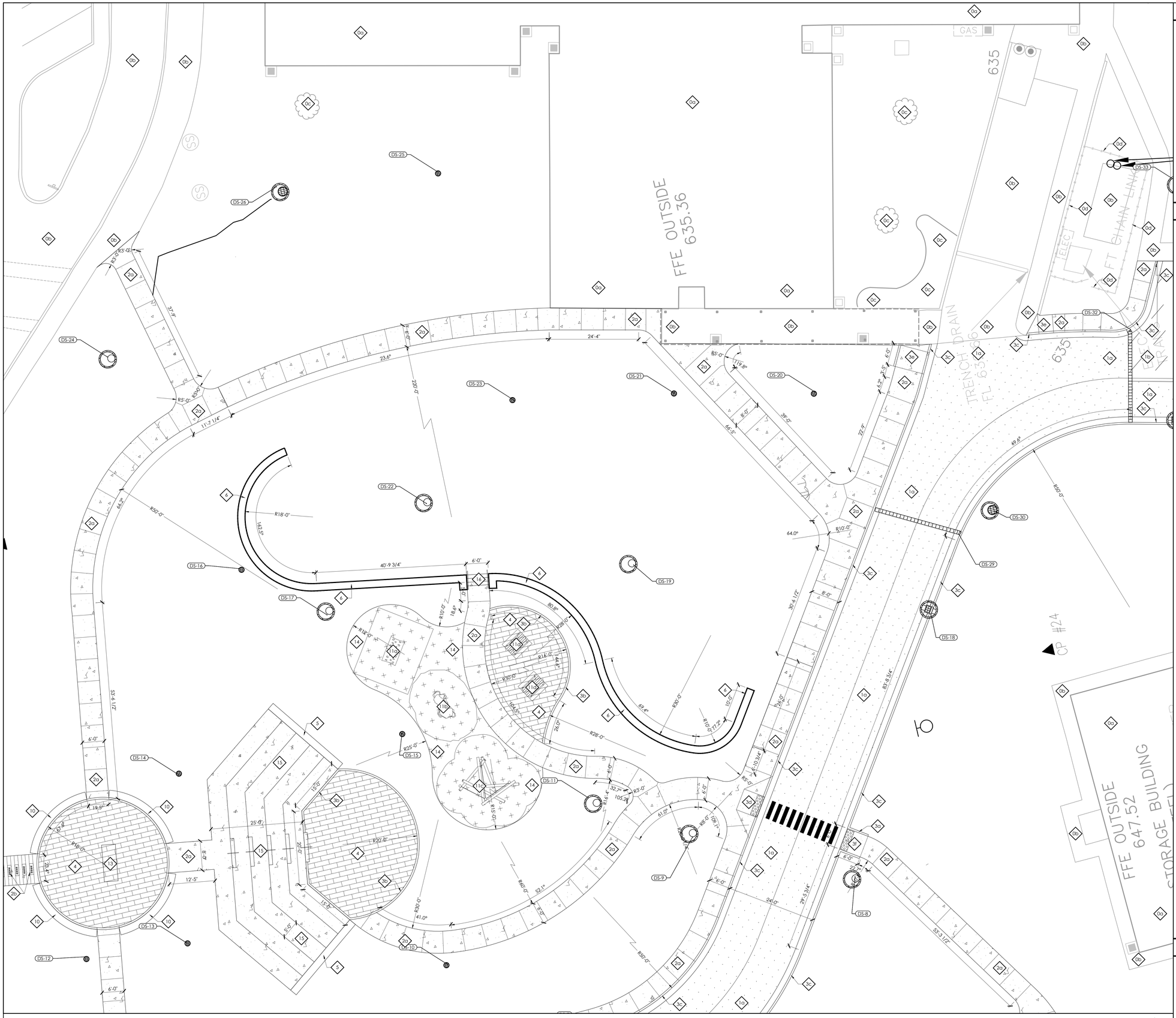
CONSTRUCTION DOCUMENTS

SD2.0

SITE GRADING & DRAINAGE PLAN

DATE ISSUED:
03/01/2022



GENERAL SITE NOTES

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5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
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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) 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) TREE/VEGETATION TO REMAIN.
   - (d) FENCING TO REMAIN.
   - (e) WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
   - (f) SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
   - (g) GAS LINE, VALVE, OR METER TO REMAIN.
   - (h) STORM LINE/STRUCUTRE TO REMAIN
   - (i) ELECTRIC LINE, POLE, OR METER TO REMAIN.
   - (j) COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
   - (k) GEOTHERMAL UTILITY TO REMAIN.
   - (l) GRAVEL PAVEMENT TO REMAIN.
1. ASPHALT PAVEMENT (321216)
   - (a) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
   - (b) ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2
2. CONCRETE PAVEMENT (321313, 321373)
   - (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
   - (b) 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2
3. CONCRETE CURB (321313, 321613, 321726)
   - (a) 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
   - (b) 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
   - (c) CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
   - (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
   - (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
   - (e) ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2
4. PERMABLE CONCRETE PAVERS. (321413,19) SEE DETAIL K/SD4.2
5. CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2
6. SEGMENTAL BLOCK RETAINING WALL, SEE DETAIL M/SD4.2
7. PAINTED PAVEMENT MARKINGS. (321723.13)
   - (a) 4" PAVING STRIPING, WHITE.
   - (b) ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
   - (c) 4" PAVING STRIPE: BLUE
   - (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE.
   - (e) 4" PAVING STRIPING, YELLOW.
   - (f) PAINTED CROSSWALK. SEE DETAIL O/SD4.2
   - (g) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2
8. TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
   - (a) STOP SIGN.
   - (b) ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
   - (c) "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
   - (d) "VISITOR PARKING ONLY" SIGN. SEE DETAIL
   - (e) "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.
9. CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2
10. MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3
11. SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
    - (a) 'PUP TENT' CLIMBER
    - (b) 'PICNIC' BOULDER
    - (c) 'SPOKANE' TIMBER STACK STRUCTURE
    - (d) PICNIC TABLE
12. UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
13. RECONSTRUCTED BUILDING MEMORIAL, SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.
14. GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3
15. CONCRETE AMPHITHEATER AND STAIRS (32131) SEE DETAIL A & B/SD4.3
16. CONCRETE STAIR SEE DETAIL E & F/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN
SCALE : 1"=10'

A SD3.1

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

NOT FOR CONSTRUCTION

ENLARGED SITE PLANS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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3264 Lochness Dr.
Lexington, KY 40517
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Structural Engineer:
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

SHEET RELEASE

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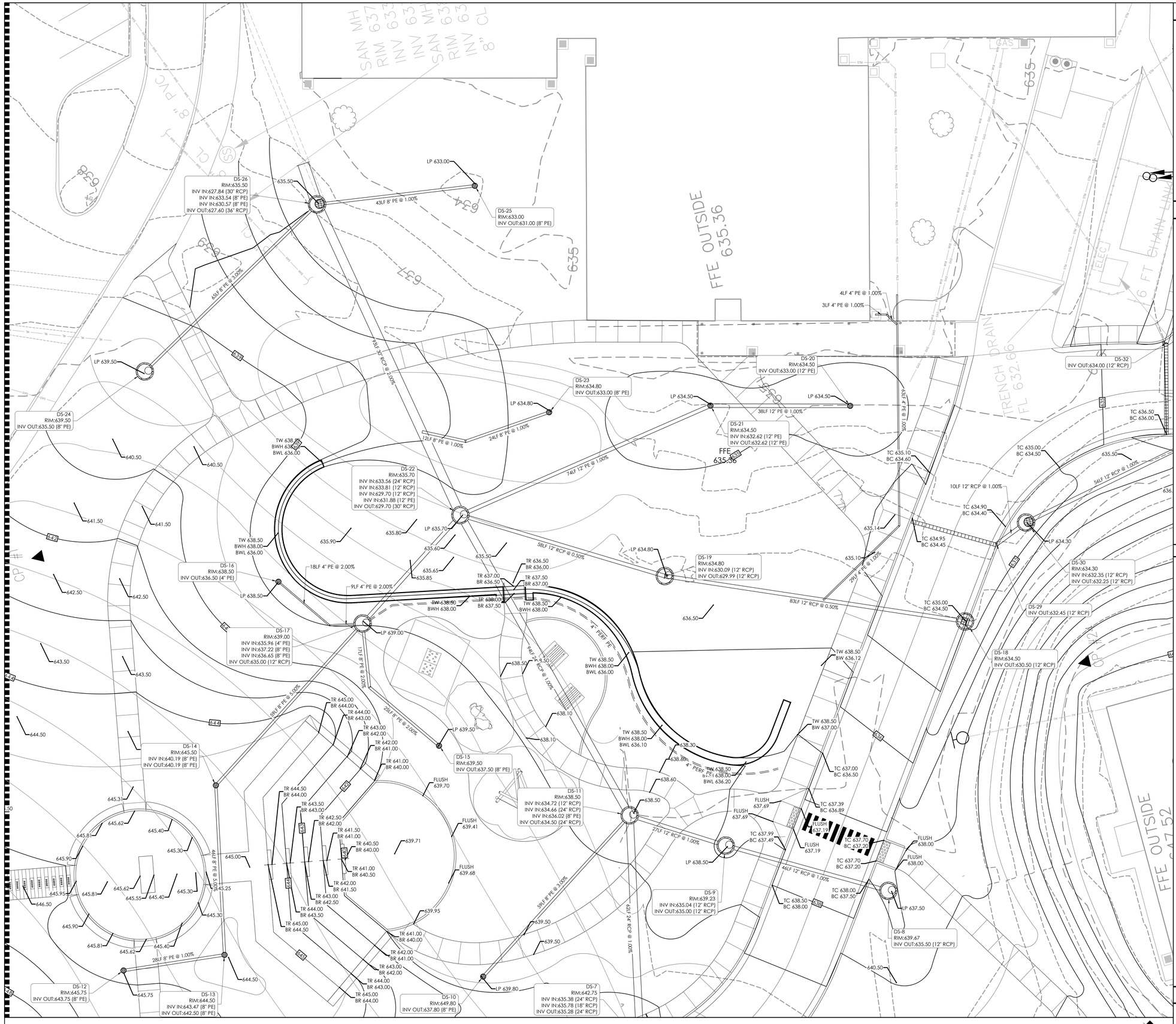
CONSTRUCTION DOCUMENTS

SD3.1

ENLARGED SITE PLANS

DATE ISSUED:
03/00/2022



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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 ACCOMODATE 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 BY 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 ROOF 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 AUTOMOBEE 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.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

ENLARGED SITE GRADING & DRAINAGE PLAN

SCALE: 1"=10'

A / SD3.2

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

NOT FOR CONSTRUCTION

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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BG# 22-207
Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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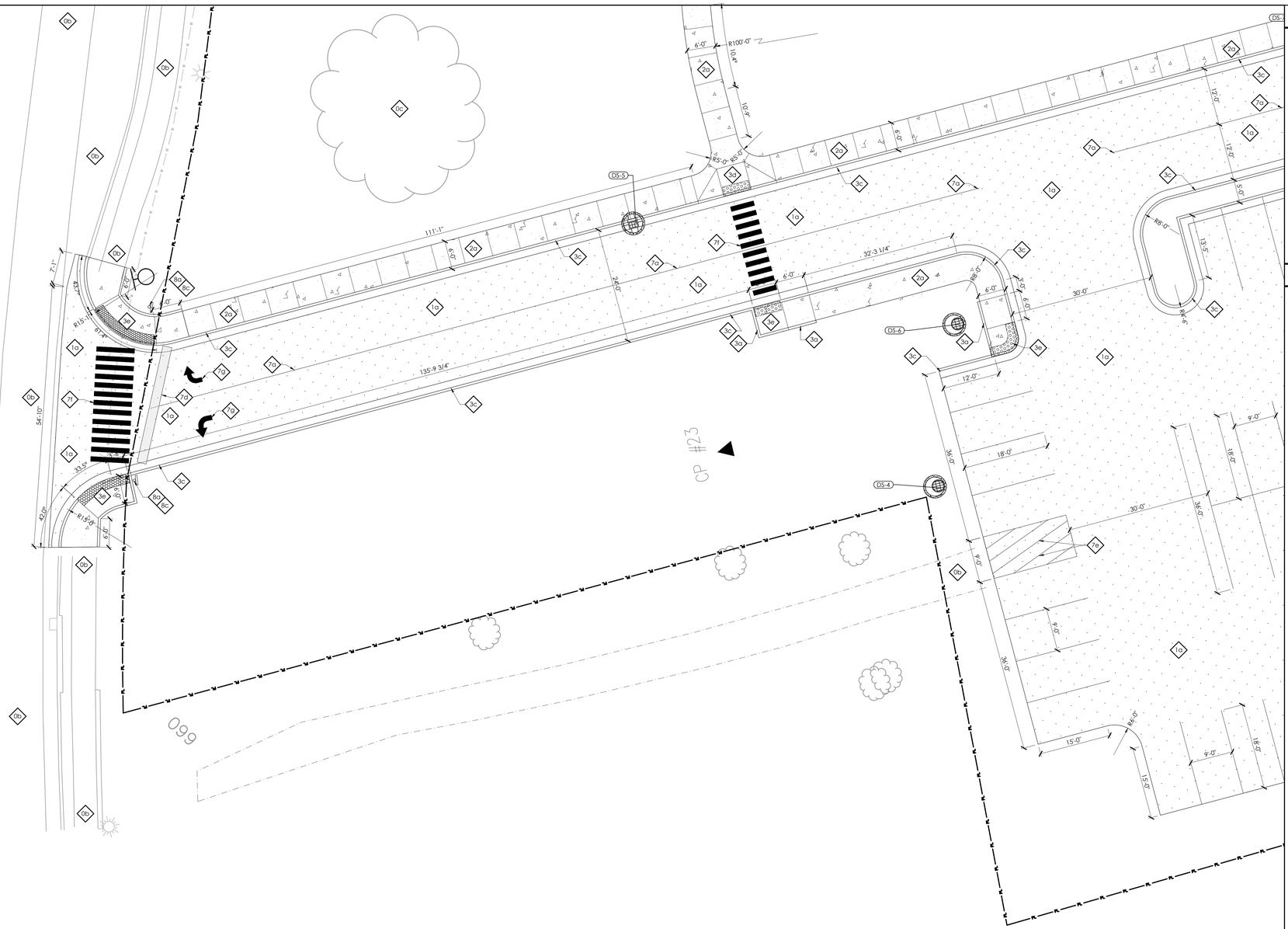
CONSTRUCTION DOCUMENTS

SD3.2

ENLARGED SITE PLANS

DATE ISSUED:
03/09/2022



GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY SAME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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) 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) TREE/VEGETATION TO REMAIN.
- (d) FENCING TO REMAIN.
- (e) WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
- (f) SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
- (g) GAS LINE, VALVE, OR METER TO REMAIN.
- (h) STORM LINES/STRUCUTRE TO REMAIN
- (i) ELECTRIC LINE, POLE, OR METER TO REMAIN.
- (j) COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
- (k) GEOTHERMAL UTILITY TO REMAIN.
- (l) GRAVEL PAVEMENT TO REMAIN.

1 ASPHALT PAVEMENT (321216)
- (a) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
- (b) ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2

2 CONCRETE PAVEMENT (321313, 321373)
- (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
- (b) 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2

3 CONCRETE CURB (321313, 321613, 321726)
- (a) 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
- (b) 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
- (c) CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
- (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2

4 PERMABLE CONCRETE PAVERS. (321413,19) SEE DETAIL K/SD4.2

5 CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2

6 SEGMENTAL BLOCK RETAINING WALL, SEE DETAIL M/SD4.2

7 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
- (c) 4" PAVING STRIPE, BLUE
- (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE.
- (e) 4" PAVING STRIPING, YELLOW.
- (f) PAINTED CROSSWALK. SEE DETAIL O/SD4.2
- (g) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2

8 TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
- (a) STOP SIGN.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
- (c) "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
- (d) "VISITOR PARKING ONLY" SIGN. SEE DETAIL
- (e) "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.

9 CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2

10 MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3

11 SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
- (a) 'PUP TENT' CLIMBER
- (b) 'PICNIC' BOULDER
- (c) 'SPOKANE' TIMBER STACK STRUCTURE
- (d) PICNIC TABLE

12 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

13 RECONSTRUCTED BUILDING MEMORIAL, SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.

14 GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3

15 CONCRETE AMPHITHEATER AND STAIRS (32131) SEE DETAIL A & B/SD4.3

16 CONCRETE STAIR SEE DETAIL E & F/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1"=10'

A SD3.3

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

NOT FOR CONSTRUCTION

ENLARGED SITE PLANS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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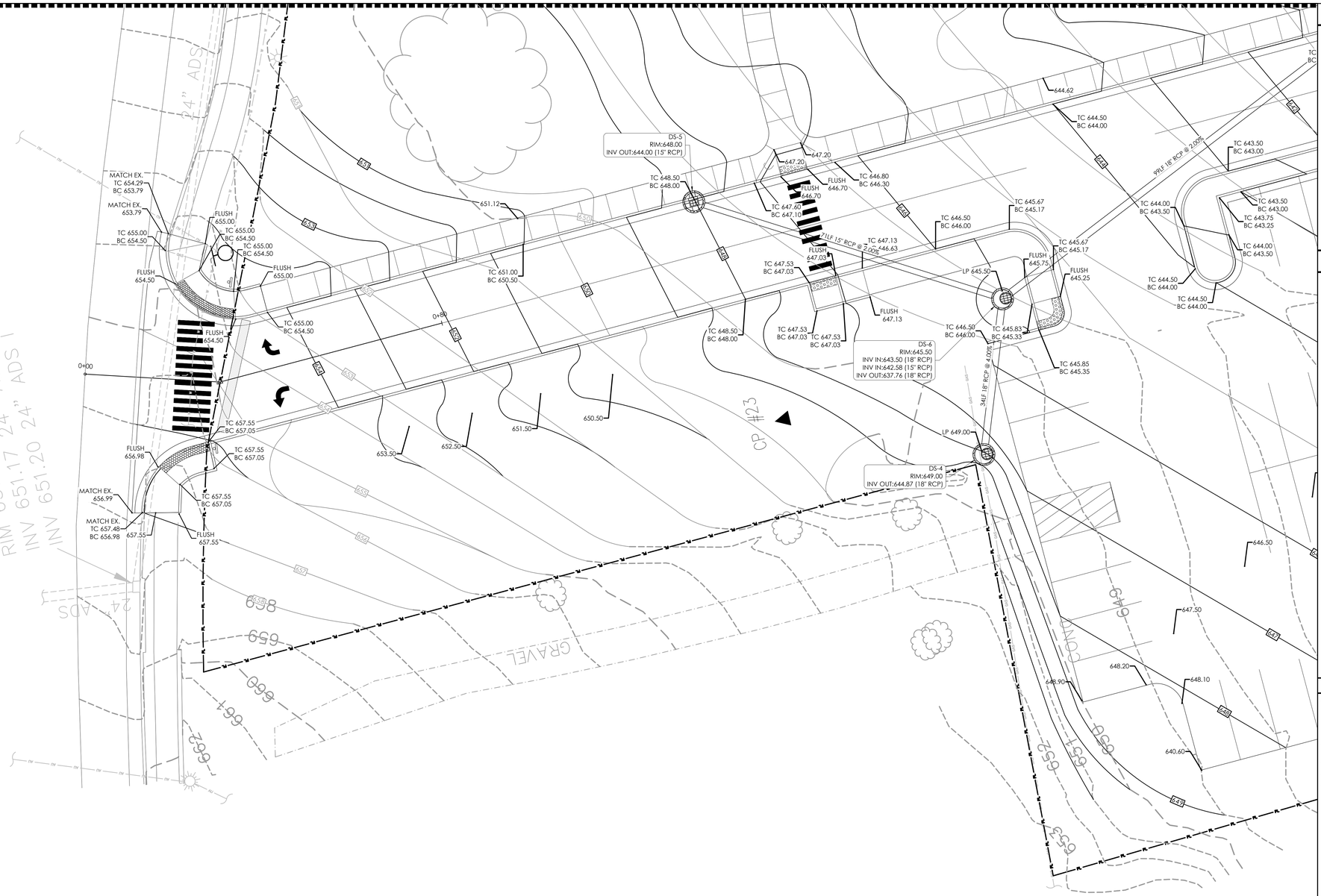
CONSTRUCTION DOCUMENTS

SD3.3

ENLARGED SITE PLANS

DATE ISSUED:
03/00/2022



GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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 ARCHITECTS 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.
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14. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMODATE 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.
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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.

SPOT ELEVATION LEGEND

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BC - BOTTOM OF CURB
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ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN
SCALE : 1"=10'

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NOT FOR CONSTRUCTION

ENLARGED SITE PLANS
FESTIL SPRINGS FI FMFNTARY ARP FSSFR RFNOVATION & ADDITION - PHASE 1
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CONSTRUCTION DOCUMENTS

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ENLARGED SITE PLANS

DATE ISSUED:
03/8/2022

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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.
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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.
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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) 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) TREE/VEGETATION TO REMAIN.
- (d) FENCING TO REMAIN.
- (e) WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
- (f) SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
- (g) GAS LINE, VALVE, OR METER TO REMAIN.
- (h) STORM LINE/STRUCUTRE TO REMAIN
- (i) ELECTRIC LINE, POLE, OR METER TO REMAIN.
- (j) COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
- (k) GEOTHERMAL UTILITY TO REMAIN.
- (l) GRAVEL PAVEMENT TO REMAIN.

1 ASPHALT PAVEMENT (321216)
- (a) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
- (b) ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2

2 CONCRETE PAVEMENT (321313, 321373)
- (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL B/SD4.2
- (b) 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2

3 CONCRETE CURB (321313, 321613, 321726)
- (a) 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
- (b) 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
- (c) CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
- (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
- (e) ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2

4 PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2

5 CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2

6 SEGMENTAL BLOCK RETAINING WALL, SEE DETAIL M/SD4.2

7 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
- (c) 4" PAVING STRIPE, BLUE
- (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE.
- (e) 4" PAVING STRIPING, YELLOW.
- (f) PAINTED CROSSWALK, SEE DETAIL O/SD4.2
- (g) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2

8 TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
- (a) STOP SIGN.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
- (c) "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
- (d) "VISITOR PARKING ONLY" SIGN. SEE DETAIL
- (e) "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.

9 CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2

10 MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3

11 SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
- (a) 'PUP TENT' CLIMBER
- (b) 'PICNIC' BOULDER
- (c) 'SPOKANE' TIMBER STACK STRUCTURE
- (d) PICNIC TABLE

12 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

13 RECONSTRUCTED BUILDING MEMORIAL. SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.

14 GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3

15 CONCRETE AMPHITHEATER AND STAIRS (32131) SEE DETAIL A & B/SD4.3

16 CONCRETE STAIR SEE DETAIL E & F/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1"=10'

A SD3.5

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

NOT FOR CONSTRUCTION

ENLARGED SITE PLANS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1

FOR:

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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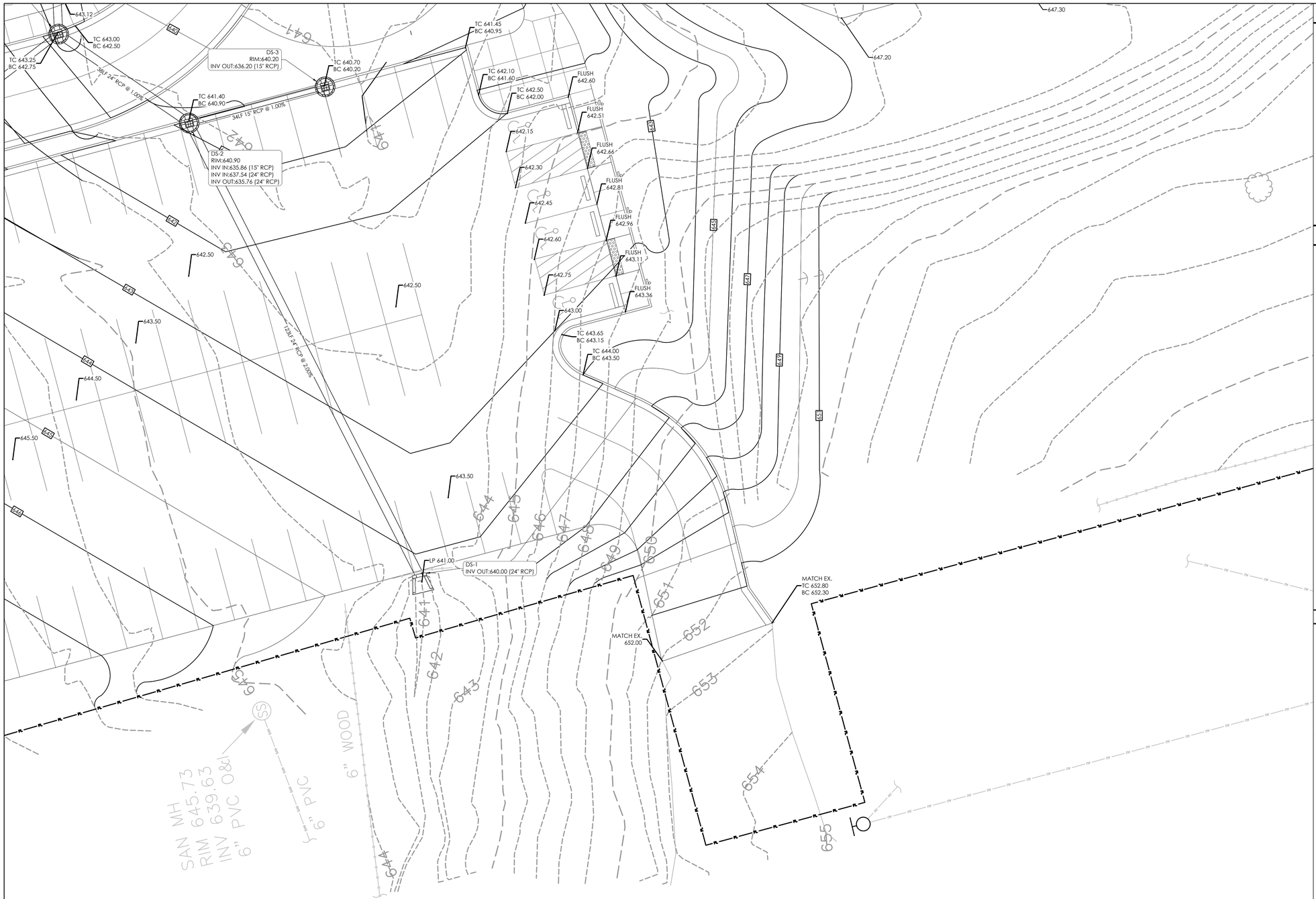
CONSTRUCTION DOCUMENTS

SD3.5

ENLARGED SITE PLANS

DATE ISSUED:
03/00/2022



GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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 - 93%
    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.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

SITE GRADING & DRAINAGE PLAN
SCALE: 1"=10'
A / SD2.1

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

NOT FOR CONSTRUCTION

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
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Rev'd By: MBM

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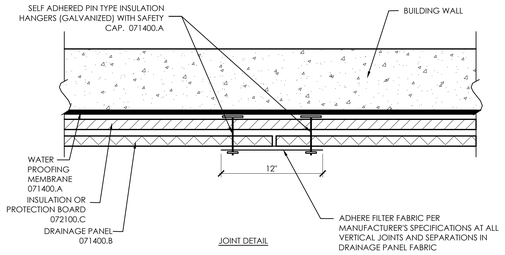
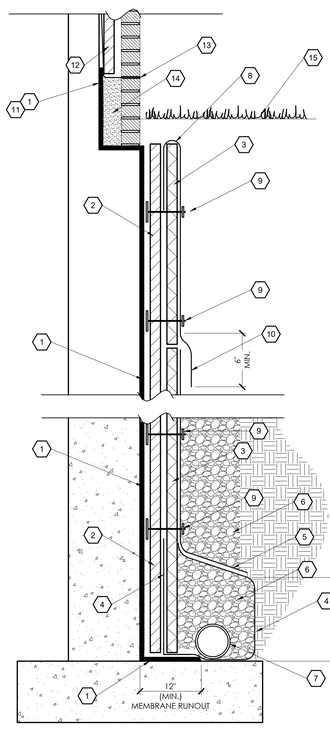
CONSTRUCTION DOCUMENTS

SD3.6

ENLARGED SITE PLANS
DATE ISSUED:
03/**00**/**2022**



JOINT DETAIL



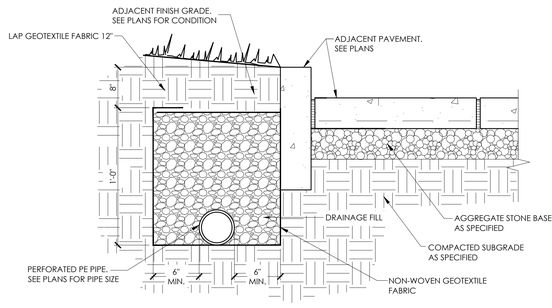
NOTES

1. WATERPROOFING MEMBRANE, 071400.A
2. INSULATION BOARD WHERE ADJACENT TO INTERIOR SPACES, AND PROTECTION BOARD WHERE ADJACENT TO EXTERIOR SPACES (071400C)
3. DRAINAGE PANEL, 071400.B.
4. FILTER FABRIC. WATER PERVIOUS TYPE, BLACK, NON-WOVEN POLYPROPYLENE 6 OZ MIN. WEIGHT GEOTEXTILE. (334600.A).
5. FABRIC TO BE PULLED FROM FACE OF DRAINAGE PANEL OR RUN FROM TOP OF PANEL OVERLAP
6. CRUSHED STONE DRAINAGE FILL
7. PERFORATED POLYETHYLENE PIPE. DAYLIGHT SEPARATELY FROM STORM DRAINAGE SYSTEM.
8. WRAP FABRIC OVER TOP OF DRAIN PANEL FOR TOP PANEL
9. SELF-ADHERED PIN TYPE INSULATION HANGERS (GALVANIZED) WITH SAFETY CAP.(071400)
10. LAP NON-WOVEN GEOTEXTILE FABRIC 6" MIN.
11. WATERPROOFING MEMBRANE TO TERMINATE ABOVE THROUGH WALL FLASHING
12. INSULATION, SEE ARCHITECTURAL DRAWINGS
13. THROUGH WALL FLASHING, SEE ARCHITECTURAL DRAWINGS
14. GROUT SOLID, SEE ARCHITECTURAL DRAWINGS
15. EXTERIOR GRADE

WALL DRAIN & WATERPROOFING DETAIL

SCALE : 1" = 1'-0"

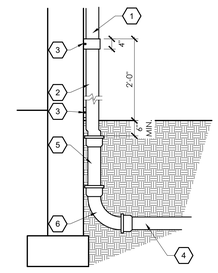
A SD4.1



FRENCH DRAIN

SCALE : 1-1/2" = 1'-0"

E SD4.1



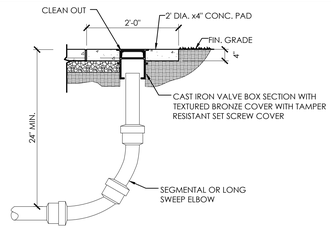
NOTES :

1. DOWNSPOUT-SEE ARCHITECTURAL DRAWINGS FOR SIZES. COORDINATE WITH DOWNSPOUT BOOT SIZES.
2. DOWNSPOUT BOOT PER SPECIFICATION SECTION 334993. COORDINATE BOOT SIZES WITH DOWNSPOUTS AND STORM DRAINAGE PIPING. COORDINATE EXACT LOCATIONS WITH DOWNSPOUT CONTRACTOR. INSTALL A MINIMUM OF 24" OF BOOT ABOVE GRADE AND PIPE CONNECTION 6" MINIMUM BELOW GRADE.
3. SECURE TO WALL. PAINT BACK OF BOOT PRIOR TO INSTALLING.
4. STORM DRAINAGE PIPING BELOW GRADE.
5. PVC PIPE AS NEEDED TO EXTEND TO REQUIRED PIPE DEPTH.
6. LONG SWEEP ELBOW

DOWNSPOUT BOOT DETAIL

SCALE : 3/4" = 1'-0"

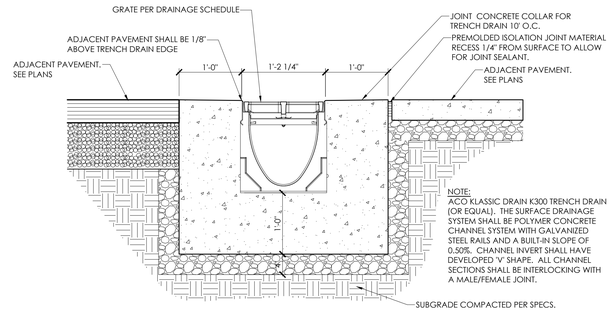
D SD4.1



CLEANOUT DETAIL

SCALE : 3/4" = 1'-0"

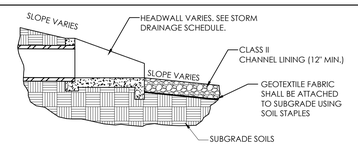
C SD4.1



TRENCH DRAIN

SCALE : 1" = 1'-0"

I SD4.1



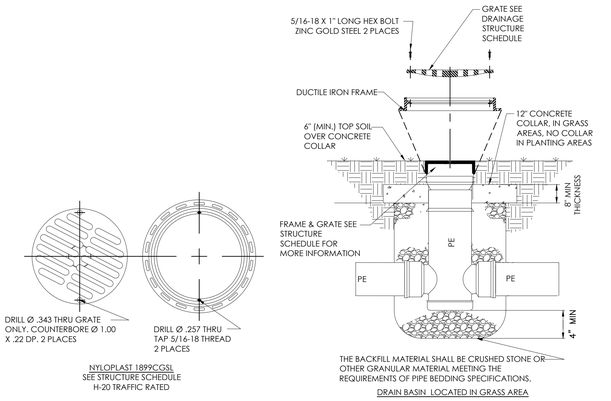
NOTES:

1.) CHANNEL LINING SHALL BE PLACED IN A MANNER THAT WILL NOT TEAR OR DAMAGE THE FILTER FABRIC.
2.) GEOTEXTILE FABRIC SHALL BE NON-WOVEN DRAINAGE FABRIC SUCH AS AMOCO 4545.
3.) GRADING AROUND THE HEADWALL SHOULD BE SUFFICIENT TO PREVENT THE HEADWALL FROM MOVING AND TO PREVENT EROSION AROUND THE HEADWALL. SLOPED HEADWALLS ARE TO BE GRADED FLUSH SO THAT THEY CAN BE MOWED OVER.
4.) RIP-RAP EROSION PROTECTION IS TO EXTEND A MINIMUM OF 25-FEET DOWNSTREAM OF THE HEADWALL, AND IS TO EXTEND TO THE TOP OF THE DITCH OR A MINIMUM OF 15-FEET WIDE.

HEADWALL DETAIL

SCALE : N.T.S.

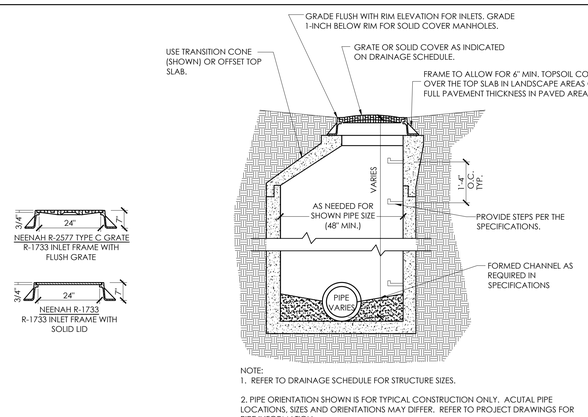
B SD4.1



DRAIN BASIN PLAZA DRAIN DETAIL

SCALE : N.T.S.

F SD4.1



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)

SCALE : 1/2" = 1'-0"

A SD4.1

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

SITE #: SITE DETAILS

E ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
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IRVINE, KENTUCKY

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BG# 22-207

Project No: 2148
Drawn By:
Rev'd By:

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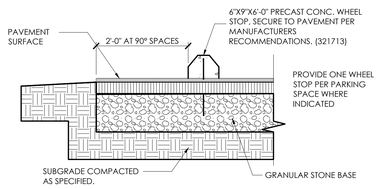
CONSTRUCTION DOCUMENTS

SD4.1

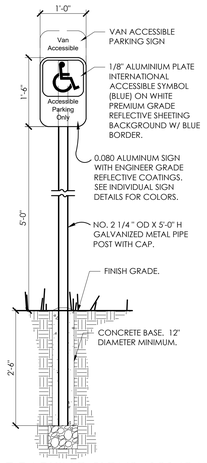
SITE DETAILS

DATE ISSUED:
03/01/2022



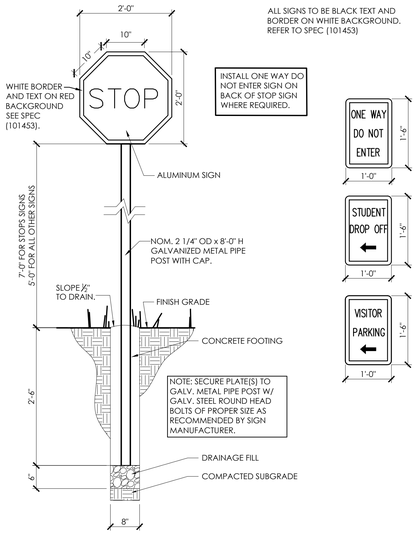
CONCRETE WHEEL STOP (321713)

SCALE: 1-1/2" = 1'-0" (S SD4.2)



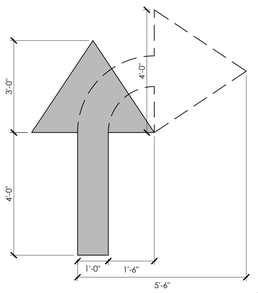
ACCESSIBLE PARKING SIGNS (101424)

SCALE: 3/4" = 1'-0" (R SD4.2)



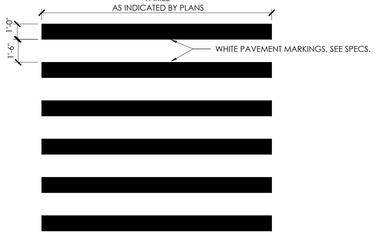
TRAFFIC SIGNAGE (101424)

SCALE: 3/4" = 1'-0" (Q SD4.2)



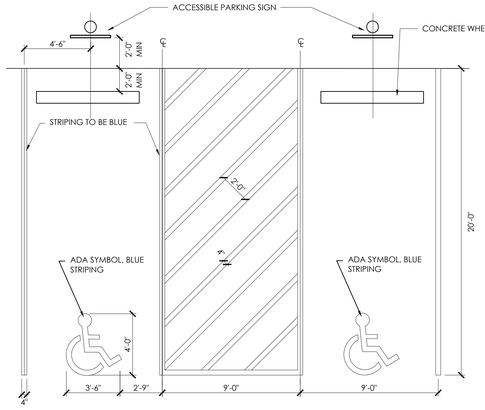
TRAFFIC ARROW

SCALE: 1/2" = 1'-0" (P SD4.2)



PAINTED CROSS WALK (321723.23)

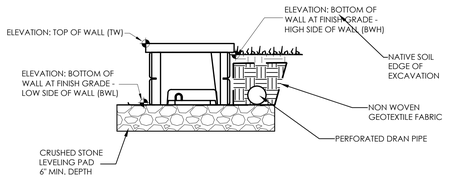
SCALE: 1/4" = 1'-0" (O SD4.2)



ACCESSIBLE PAVEMENT MARKING

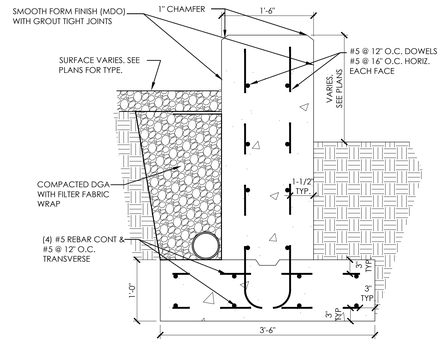
SCALE: 1/4" = 1'-0" (N SD4.2)

NOTE:
SEGMENTAL RETAINING WALL IS TO BE INSTALLED PER MANUFACTURE'S STAMPED AND SIGNED (KENTUCKY ENGINEER) SHOP DRAWINGS. ASSUME PASSENGER VEHICLE LIVE LOADS UP TO FENCE ,



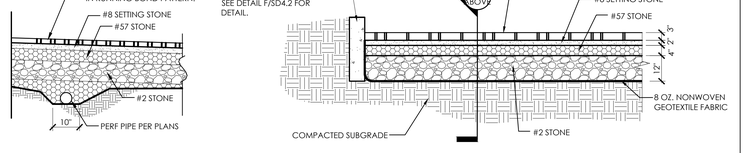
SEGMENTAL RETAINING WALL

SCALE: 1/2" = 1'-0" (M SD4.2)



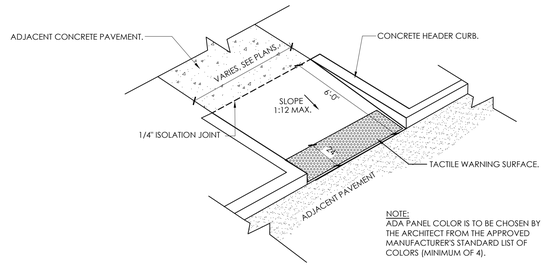
CONCRETE RETAINING WALL

SCALE: 1/2" = 1'-0" (L SD4.2)



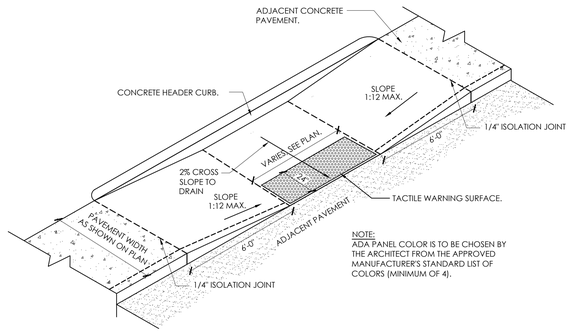
PERMEABLE PAVER WITH HEADER CURB

SCALE: 1/2" = 1'-0" (K SD4.2)



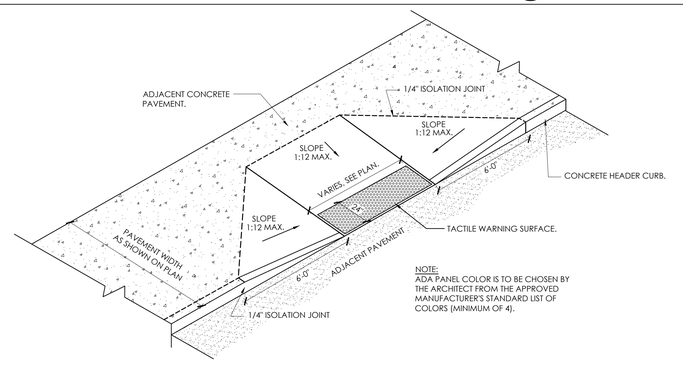
ACCESSIBLE DROPPED CURB TYPE C

SCALE: N.T.S. (J SD4.2)



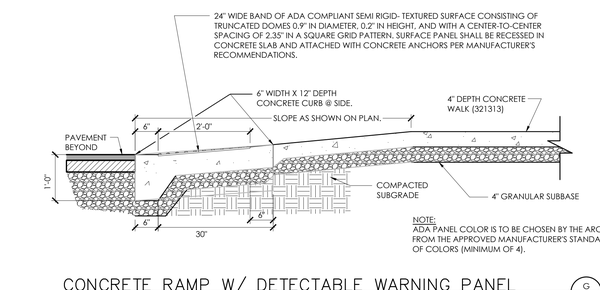
ACCESSIBLE DROPPED CURB TYPE B

SCALE: N.T.S. (I SD4.2)



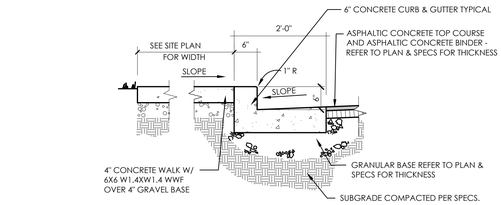
ACCESSIBLE DROPPED CURB - TYPE A

SCALE: N.T.S. (H SD4.2)



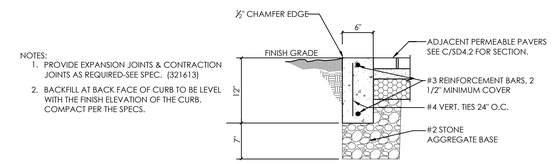
CONCRETE RAMP W/ DETECTABLE WARNING PANEL

SCALE: 3/4" = 1'-0" (G SD4.2)



CONCRETE CURB AND GUTTER

SCALE: 3/4" = 1'-0" (F SD4.2)

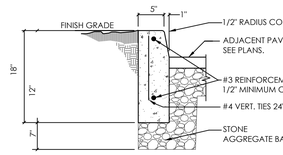


NOTES:
1. PROVIDE EXPANSION JOINTS & CONTRACTION JOINTS AS REQUIRED-SEE SPEC. (321613)
2. BACKFILL AT BACK FACE OF CURB TO BE LEVEL WITH THE FINISH ELEVATION OF THE CURB. COMPACT PER THE SPECS.

FLUSH CONCRETE HEADER CURB

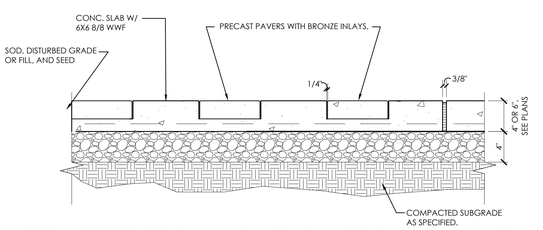
SCALE: 1-1/2"=1'-0" (E SD4.2)

NOTES:
1. PROVIDE EXPANSION JOINTS & CONTRACTION JOINTS AS REQUIRED-SEE DETAIL THIS SHEET. REFER TO SPEC. SECTION FOR ADDITIONAL REQUIREMENTS. (321613)
2. BACKFILL AT BACK FACE OF CURB TO BE LEVEL WITH THE FINISH ELEVATION OF THE CURB. COMPACT PER THE SPECS.



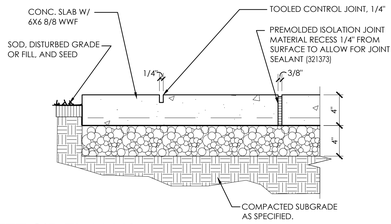
6" WIDTH CONCRETE HEADER CURB

SCALE: 1-1/2"=1'-0" (D SD4.2)



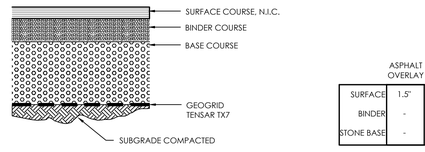
CONCRETE SIDEWALK WITH PAVERS AND INLAYS

SCALE: 3/4" = 1'-0" (C SD4.2)



CONCRETE SIDEWALK

SCALE: 3/4" = 1'-0" (B SD4.2)



	ASPHALT OVERLAY	HEAVY DUTY
SURFACE	1.5"	1.5"
BINDER	-	4.0"
STONE BASE	-	10.0"

ASPHALT PAVEMENT

SCALE: 1-1/2=1'-0" (A SD4.2)

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NOT FOR CONSTRUCTION

SITE DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

BG# 22-207

Project No: 2148
Drawn By:
Rev'd By:

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CONSTRUCTION DOCUMENTS

SD4.2

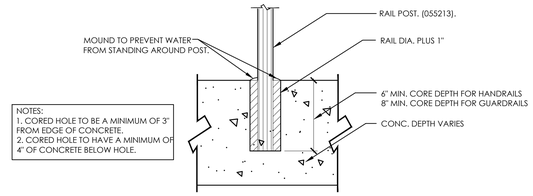
SITE DETAILS

DATE ISSUED: 03/01/2022

GRANULAR RUBBER PLAYGROUND SAFETY SURFACING

SCALE: N.T.S.

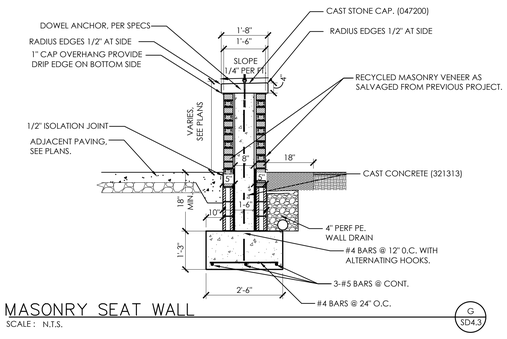
C SD4.3



HANDRAIL/GUARDRAIL POST DETAIL

SCALE: N.T.S.

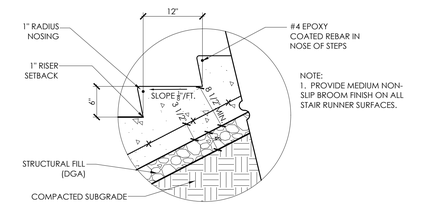
D SD4.3



MASONRY SEAT WALL

SCALE: N.T.S.

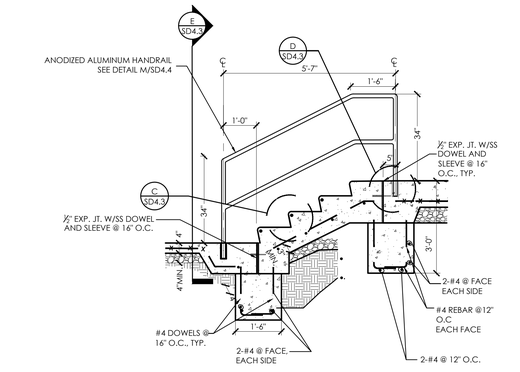
G SD4.3



TYPICAL STAIR TREAD AND NOSING DETAIL

SCALE: 1" = 1'-0"

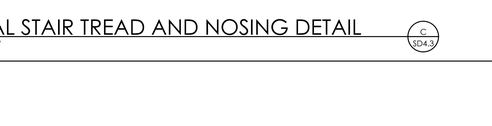
C SD4.3



CONCRETE STAIR B – SECTION

SCALE: N.T.S.

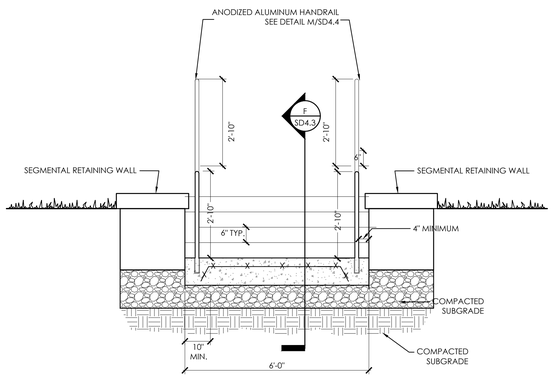
F SD4.3



AMPHITHEATER STAIR ELEVATION

SCALE: 1/2" = 1'-0"

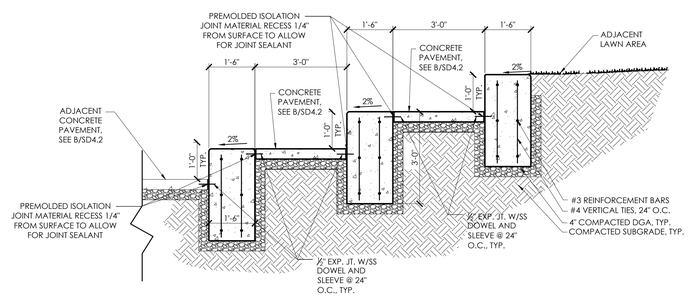
B SD4.3



CONCRETE STAIR B – ELEVATION

SCALE: N.T.S.

E SD4.3



AMPHITHEATER PROFILE

SCALE: 1/2" = 1'-0"

A SD4.3

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

SITE DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I

FOR:

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CONSTRUCTION DOCUMENTS

SD4.3

SITE DETAILS

DATE ISSUED:
03/01/2022

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK. ANY CONFLICTS IN LOCATION OF PLANT MATERIAL SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. SCHEDULE A REVIEW OF THE PLANTS TO BE INSTALLED WITH THE LANDSCAPE ARCHITECT. PROVIDE AT LEAST 7 DAYS ADVANCE NOTICE OF MEETING. VIEWING CAN EITHER BE CONDUCTED AT THE STORAGE NURSERY ONCE ALL THE PLANTS ARE PURCHASED, OR ON-SITE PRIOR TO ANY PLANTS BEING PLACED IN THE GROUND. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS THAT HAVE NOT BEEN VIEWED PRIOR TO BEING PLACED IN THE GROUND.
4. PRESERVATION AND REMOVAL OF EXISTING TREES:
   A) EXISTING TREES DESIGNATED TO BE PRESERVED SHALL BE PROTECTED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS. ALL PROTECTIVE MEASURES SHALL BE CARRIED AS PER THE SPECIFICATIONS AND DRAWINGS.
   B) ALL EXISTING TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED AS PER THE CONTRACT SPECIFICATIONS AND ONLY BY PERMISSION OF THE LANDSCAPE ARCHITECT.
5. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE LANDSCAPE ARCHITECT.
6. ALL PLANT MATERIALS SHALL CONFORM TO THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN AND SHALL HAVE PASSED ANY INSPECTIONS REQUIRED UNDER STATE REGULATIONS. ALL PLANTS SHALL BE BALLED AND BURLAP WRAPPED UNLESS OTHERWISE NOTED IN THE PLANTING SCHEDULE. ANY SYNTHETIC WRAPPING AND ALL CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING.
7. ALL SHRUBS AND HEDGES SHALL BE AT LEAST 2 FEET IN HEIGHT WITH ATLEAST 3 CANES OR LARGER. ALL SINGLE STEM TREES SHALL HAVE A MINIMUM 1.75" CALIPER, UNLESS OTHERWISE NOTED. PLANTS SHOULD MEET THESE CONDITIONS IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, AND THE SPECIFICATIONS NOTED ON THE PLANTING SCHEDULE.
8. ANY STAKING, WIRING, AND/OR WRAPPING SHALL BE DONE ONLY WHERE SLOPES ARE GREATER THAN 20%, OR WHERE OTHER STABILITY PROBLEMS EXIST.
9. ALL SHRUBS AND GROUND COVER PLANTS SHALL BE PLANTED AT THE ON CENTER DISTANCES NOTED ON THE PLANTING SCHEDULE.
10. ALL OPEN LANDSCAPE AREAS SHALL BE SOD OR GROUNDCOVER.
11. ALL PLANTING BEDS SHALL BE MULCHED WITH MATERIALS AS SPECIFIED ON THE PLANTING PLAN, WITH A SAUCER SURROUNDING EACH PLANT. HARDWOOD MULCH SHALL BE EVENLY SPREAD, 3" DEEP.
12. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS. FERTILIZER SHALL BE APPLIED IN ACCORDANCE WITH THE SOIL TEST RECOMMENDATIONS.
13. ALL LANDSCAPING MATERIALS SHALL BE INSTALLED IN A SOUND, WORKMAN-LIKE MANNER, AND ACCORDING TO BEST PRACTICE CONSTRUCTION AND PLANTING PROCEDURES. ANY LANDSCAPE MATERIAL THAT IS DEEMED UNACCEPTABLE, OR INSTALLED IN A MANNER THAT RENDERS THEM UNACCEPTABLE AS DETERMINED BY THE LANDSCAPE ARCHITECT, SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIALS. ALL CHANGES AND SUBSTITUTIONS OF PLANT AND LANDSCAPE MATERIALS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT, OR EQUAL.

PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	CAL.	HEIGHT	ROOT	REMARKS
TREES - DETAIL D/SD5.0						
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE	AUTUMN SERVICEBERRY		9'-10'	B&B	MULTI-STEM, 5
AR	ACER RUBRUM 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	3" CAL.		B&B	SPECIMEN QUALITY
CA	CERCIS CANADENSIS F. ALBA	WHITEBUD	2" CAL.		B&B	SPECIMEN QUALITY
CC	CERCIS CANADENSIS	REDBUD	2" CAL.		B&B	SPECIMEN QUALITY
CK	CORNUS KOUSA	FLOWERING DOGWOOD		7'-8'	B&B	SPECIMEN QUALITY
LT	LIRIODENDRON TULIPIFERA	TULIP POPLAR	4" CAL.		B&B	SPECIMEN QUALITY
MS	MAGNOLIA STELLATA 'ROYAL STAR'	ROYAL STAR MAGNOLIA		6'-7'	B&B	SPECIMEN QUALITY
UP	ULMUS PARVIFOLIA 'BOSQUE'	BOSQUE ELM	3" CAL.		B&B	SPECIMEN QUALITY
TG	THUJA 'GREEN GIANT'	GREEN GIANT ARBORVITAE		10'	B&B	SPECIMEN QUALITY
NS	NYSSA SYLVATICA	BLACK TUPELO	3" CAL.		B&B	SPECIMEN QUALITY
CL	CLADRASTIS KENTUCKEA	YELLOW WOOD	3" CAL.		B&B	SPECIMEN QUALITY
QR	QUERCUS ROBUR	ENGLISH OAK	3" CAL.		B&B	SPECIMEN QUALITY
QM	QUERCUS MACROCARPA	BUR OAK	4" CAL.		B&B	SPECIMEN QUALITY
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3" CAL.		B&B	SPECIMEN QUALITY
CO	COTINUS COGGYGRIA	PURPLE SMOKEBUSH		6'-7'	B&B	SPECIMEN QUALITY
SHRUBS - DETAIL C/SD5.0						
HQ	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	RUBY SLIPPERS HYDRANGEA	5 GAL.			FULLY ROOTED
IV	ITEA VIRGINICA 'HENRYS GARNET'	HENRY'S GARNET VIRGINIA SWEETSPIRE	3 GAL.			FULLY ROOTED
FG	FOTHERFILLA GARDENII 'MT. AIRY'	MOUNT AIRY FOTHERGILLA	5 GAL.			FULLY ROOTED
HS	HOSTA SP. 'BLUE ANGEL'	BLUE ANGEL HOSTA	3 GAL.			FULLY ROOTED
HS	HOSTA SP. 'SLEEPING BEAUTY'	SLEEPING BEAUTY HOSTA	3 GAL.			FULLY ROOTED
HS	HOSTA SP. 'GUACAMOLE'	GUACAMOLE HOSTA	3 GAL.			FULLY ROOTED
CP	CHAMEACYPARIS PISIFERA 'GOLDEN MOP'	GOLDEN MOP THREADLEAF FALSE CYPRESS	5 GAL.			FULLY ROOTED
GRASSES/ GROUNDCOVER -DETAIL B/SD5.0						
PV	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	3 GAL.			FULLY ROOTED
NT	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	3GAL.			FULLY ROOTED
LM	LIRIOPE MUSCARI	BIG BLUE LIRIOPE	1 GAL.			FULLY ROOTED
PT	PACHYSANDRA TERMINALIS	JAPANESE PACHYSANDRA	1 GAL.			FULLY ROOTED
OJ	OPHIOPOGON JAPONICUS 'NIGRESCENS'	BLACK MONDO GRASS	1 GAL.			FULLY ROOTED

LEGEND

HYDROSEED. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE SEEDED. (329223)

NEW TREE. SEE DETAIL A/SD1.1 (329300)

NEW SHRUB/PERENNIAL. SEE DETAIL B&C/SD1.1 (329300)

A SEEDED AREAS.

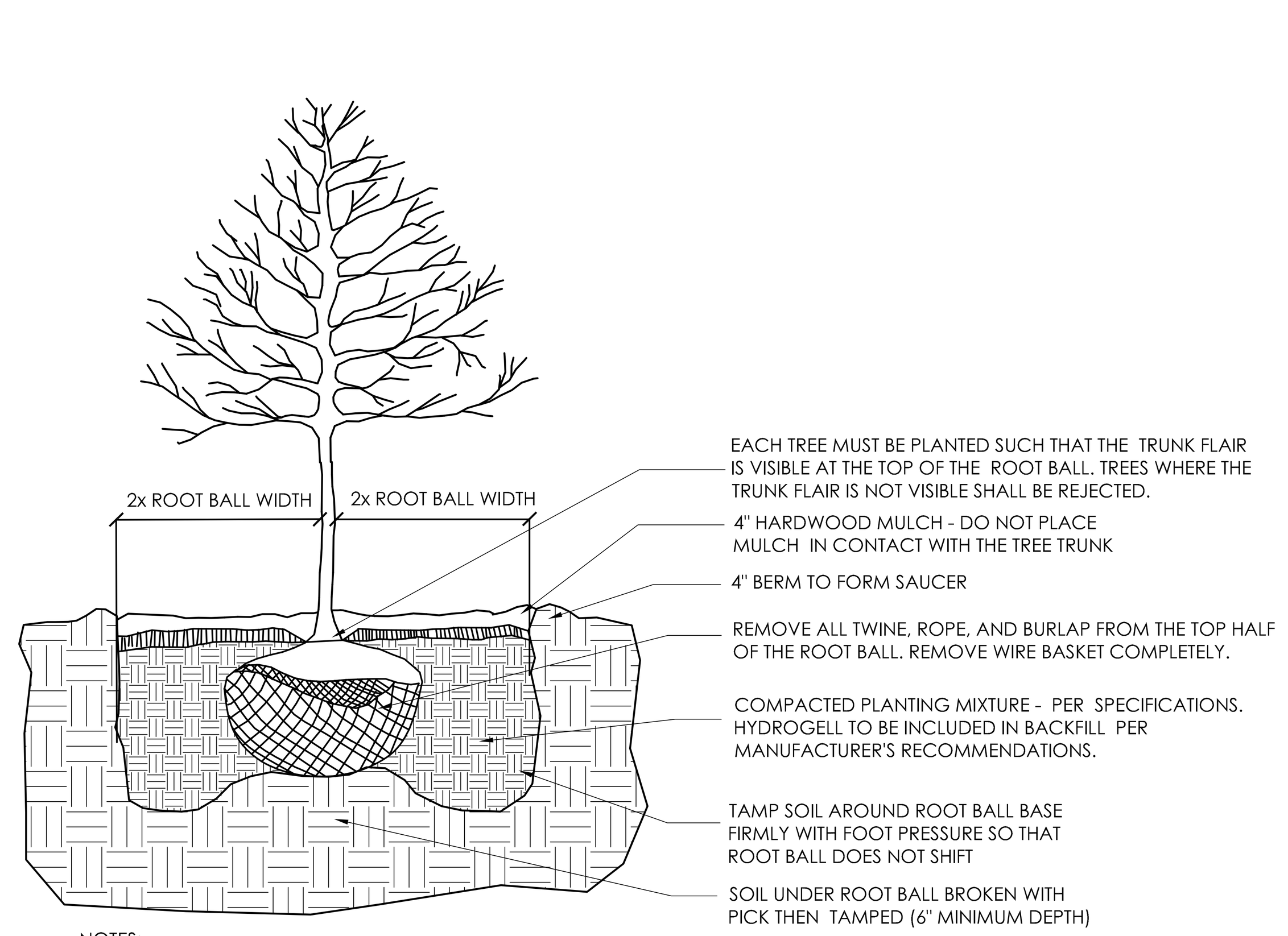
NOTE:
ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE HYDROSEEDED PER THE SPECIFICATIONS UNLESS OTHERWISE SHOWN TO RECEIVE SOD. PLACE 3'-0" WIDTH SOD STRIP NEXT TO ALL PAVEMENTS AND BUILDING FACES ADJACENT TO DISTURBED AREA(S). REFER TO SPECIFICATIONS FOR GRADED SLOPES THAT ARE TO RECEIVE LONG TERM EROSION CONTROL.

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. 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.

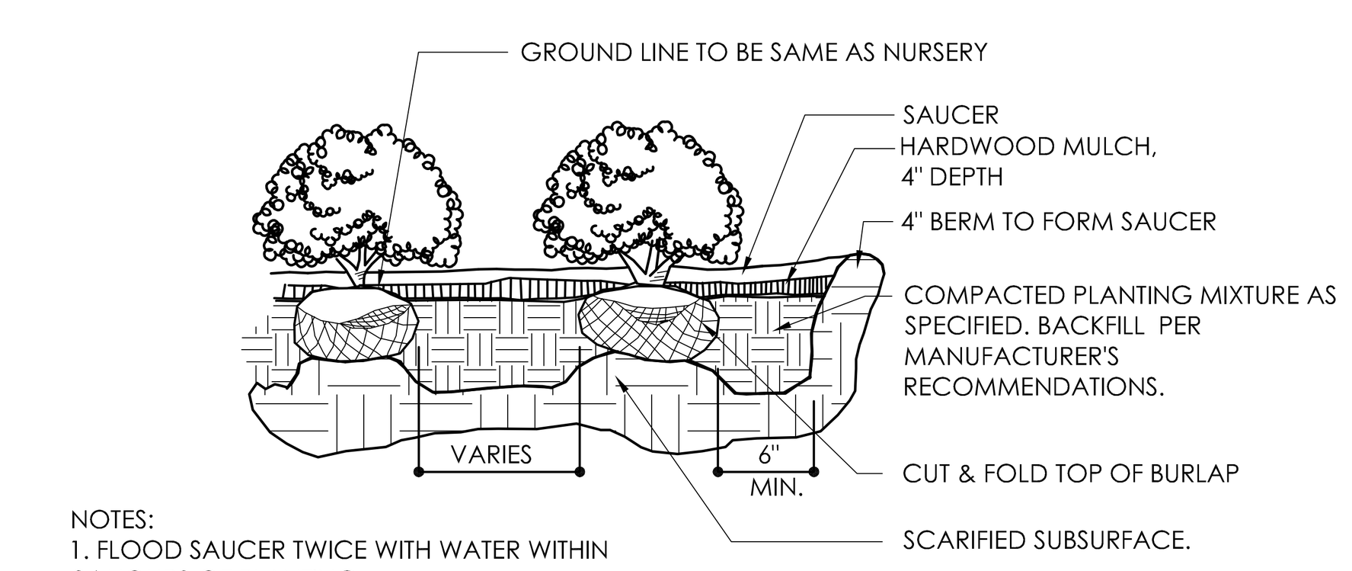
rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION



NOTES:
1. FLOOD SAUCER TWICE WITH WATER WITHIN 48 HOURS OF PLANTING.
2. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE THE EDGE OF THE CROWN.
3. DO NOT USE TREE WRAP.

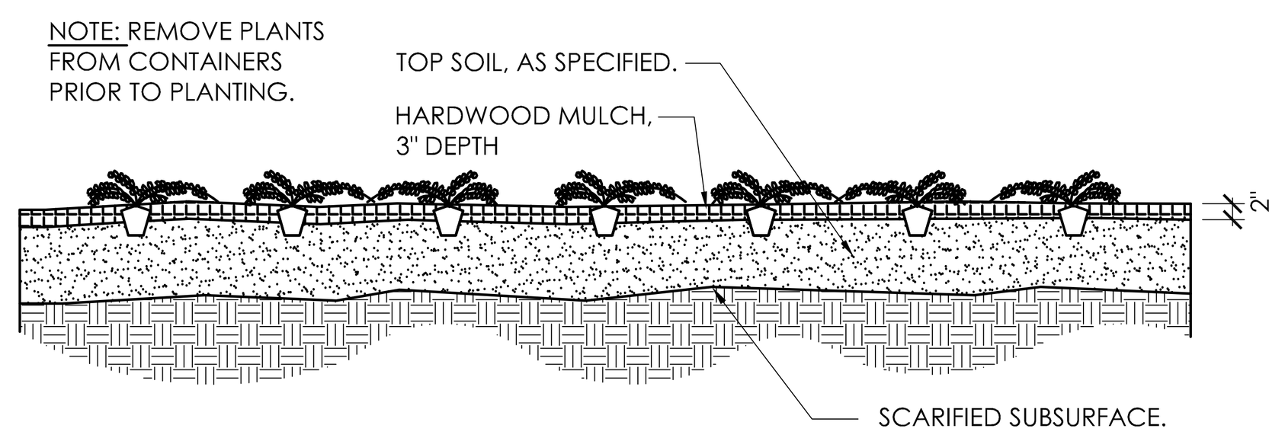
TREE PLANTING DETAIL
SCALE : NTS — D / SD5.0



NOTES:
1. FLOOD SAUCER TWICE WITH WATER WITHIN 24 HOURS OF PLANTING.
2. SCORE ROOTS WHEN NECESSARY.
3. SCARIFY SIDES OF PLANTING PIT.

SHRUB PLANTING DETAIL
SCALE : NTS — C / SD5.0

NOTE: REMOVE PLANTS FROM CONTAINERS PRIOR TO PLANTING.



PERENNIAL PLANTING DETAIL
SCALE : NTS — B / SD5.0

SITE PLANTING PLAN
SCALE : 1" = 20' — A / SD5.1
0 20 40 Feet
PLAN NORTH

SITE PLANTING PLAN
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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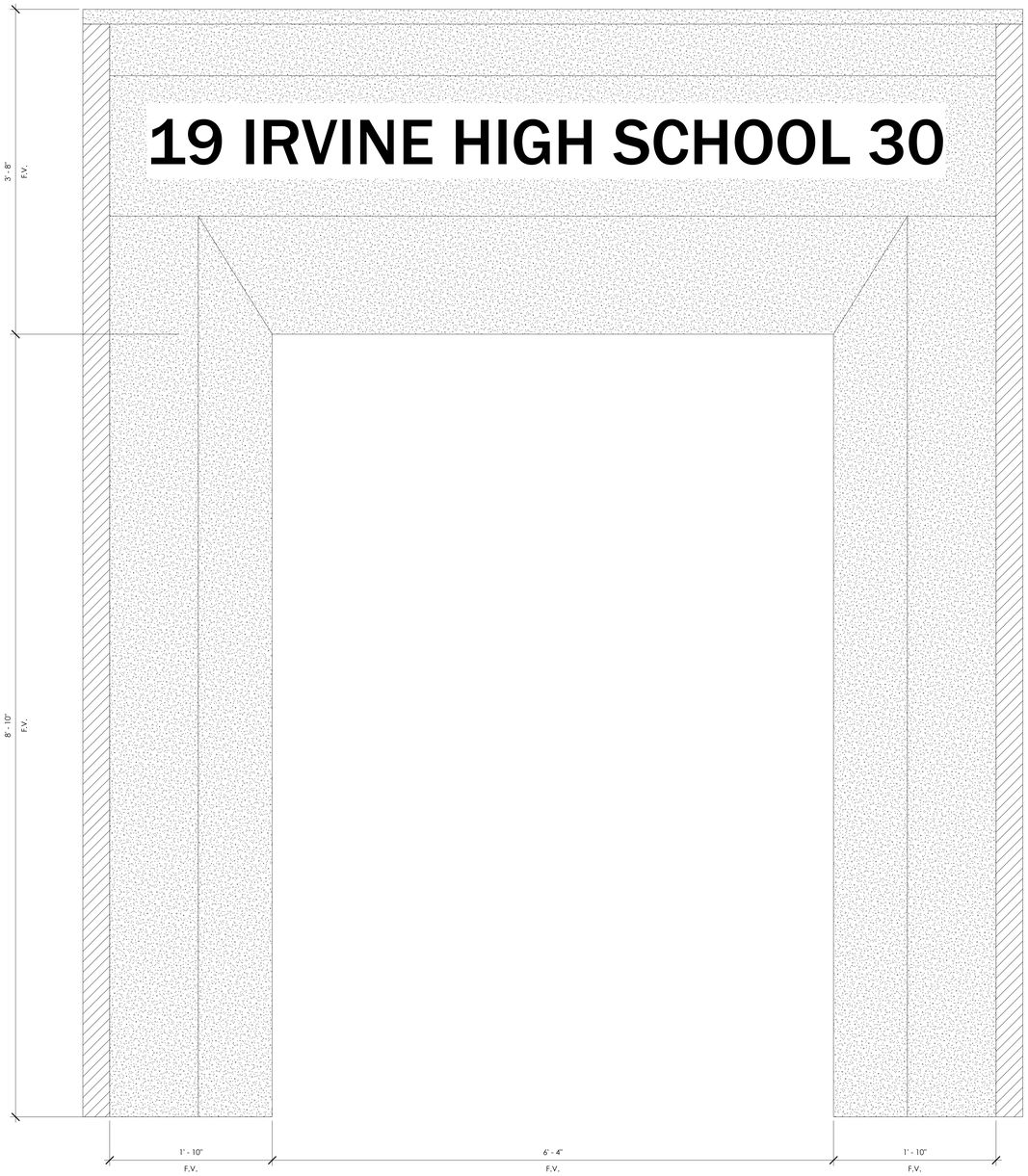
CONSTRUCTION DOCUMENTS

SD5.1
SITE PLANTING PLAN

DATE ISSUED: 3/14/2022

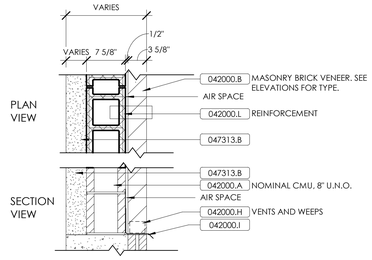
REVISIONS

#	DATE	DESCRIPTION



MONUMENT ELEVATION
1 1/2" = 1'-0"
C A0.2

MONUMENT PLAN
1 1/2" = 1'-0"
B A0.2

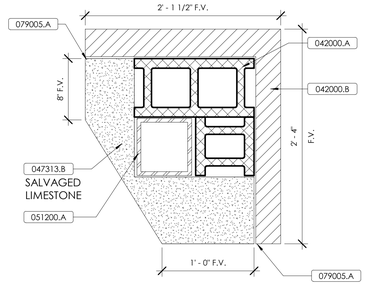


WALL TYPE D

EXT. MASONRY CAVITY WALL:

042000.B MASONRY VENEER
AIR SPACE
042000.A NOMINAL 8" CMU U.N.O.
047313.B LIMESTONE CLADDING

EXTERIOR WALL TYPE 'D'
SCALE : N.T.S.



MONUMENT PLAN DETAIL
1 1/2" = 1'-0"
A A0.2

MATERIAL REFERENCE

042000.A	Concrete Masonry Unit
042000.B	Face Brick
042000.H	Vents and Weeps
042000.I	Through Wall Flashing
042000.L	Masonry Reinforcement
047313.B	Limestone Base
051200.A	Structural Steel Member
079005.A	Joint Sealant

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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

SHEET RELEASE

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CONSTRUCTION DOCUMENTS

A0.2

MONUMENT DETAILS

DATE ISSUED:
MARCH 14, 2022

REVISIONS

#	DATE	DESCRIPTION

UTILITY CONTACTS:

ELECTRIC:
KENTUCKY UTILITIES
JONATHON LANE
859.353.2242
JONATHON.LANE@LGE-KU.COM

TELECOMMUNICATIONS:
WINDSTREAM(VOICE):
JIM CURTIS
859.567.3839
JAMES.CURTIS@WINDSTREAM.COM

IRVINE COMMUNITY TELEVISION(FIBER):
JIM HAYES
606.723.4240
JHAYS@IRVINEONLINE.NET

SANITARY, WATER AND GAS:
IRVINE MUNICIPAL UTILITIES
BILLY WILLIAMS
(606) 723-2197
IRVINEWATER @IRVINEONLINE.NET

GENERAL NOTES:

1. THIS CONTRACTOR SHALL COORDINATE ALL SITE UTILITY WORK REQUIRED WITH LOCAL UTILITY COMPANIES TO MEET PROJECT SCHEDULE. ALL REQUIRED SUBMITTALS AND ASSOCIATED FEES BY THIS CONTRACTOR.
2. LOCATION OF UTILITIES ARE APPROXIMATE AND SUBJECT TO MINOR CHANGES IN THE FIELD. DO NOT SCALE THE DRAWINGS.
3. THE CONTRACT DOCUMENTS SHOW THE APPROXIMATE LOCATION OF THE EXISTING AND NEW SUBSURFACE UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS. IF ANY CHARTED, UNCHARTED, OR MIS-LOCATED UTILITY SERVICE IS INTERRUPTED FOR ANY REASON, THE CONTRACTOR WILL WORK CONTINUOUSLY TO RESTORE SERVICE TO SATISFACTION OF THE OWNER.
4. SHOULD EXISTING UTILITIES REQUIRE RELOCATION OR REROUTING NOT SHOWN OR INDICATED TO BE RELOCATED OR REROUTED, CONTACT AND COOPERATE WITH THE OWNER TO MAKE THE REQUIRED ADJUSTMENTS AT AN EQUITABLE CHANGE IN THE CONTRACT PRICE.
5. EXISTING UTILITIES SHOWN MAY ACTUALLY BE IN DIFFERENT LOCATIONS AND ADDITIONAL UTILITIES NOT SHOWN MAY EXIST AND MAY BE IN USE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL UTILITIES DURING CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING. THE OWNER WILL NOT LOCATE THE UTILITIES FOR THE CONTRACTOR. IF AN OUTSIDE SERVICE OR COMPANY IS REQUIRED TO ACCURATELY LOCATE BURIED UTILITIES THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THIS WORK AND IS RESPONSIBLE FOR THE COSTS. THE CONTRACTOR SHOULD CONTACT APPROPRIATE UTILITY COMPANIES BEFORE DOING ANY EXCAVATING.
7. TOP ELEVATIONS OF NEW UNDERGROUND STRUCTURE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL TOP ELEVATIONS MUST BE THE SAME AS FINISHED GRADE IN THE SAME AREA. SEE ARCHITECTURAL PLANS FOR FINISHED GRADES.
8. INSTALL DOMESTIC WATER PIPING WITH 3'-6" MINIMUM COVER.
9. INSTALL FIRE PROTECTION WITH 4'-0" MINIMUM COVER.
10. INSTALL NATURAL GAS PIPING WITH 2'-0" MINIMUM COVER.
11. INSTALL UNDERGROUND FEEDERS WITH 2'-0" MINIMUM COVER.
12. EXCAVATION: MATERIALS TO BE EXCAVATED SHALL INCLUDE EARTH AND ANY OTHER MATERIAL, INCLUDING ROCK ENCOUNTERED IN TRENCH EXCAVATION.
13. SITE LIGHTING CIRCUITS SHALL BE #6 CONDUCTORS IN 1-1/4" CONDUITS.
14. TESTING OF EXTERIOR SEWER MANHOLES SHALL BE AS FOLLOWS:
    - A. EXTERIOR SANITARY SEWER SHALL BE PLUGGED BETWEEN MANHOLES AND SUBJECTED TO AN AIR PRESSURE TEST WITH ALL OPENINGS TIGHTLY CLOSED. AIR SHALL BE PUMPED IN UNTIL THE PRESSURE IS NOT LESS THAN 5 POUNDS PER SQUARE INCH. THE AIR PRESSURE GAGE SHALL REMAIN CONSTANT WITHOUT PUMPING ADDITIONAL AIR INTO THE SYSTEM.
    - B. MANHOLE SHALL BE PLUGGED AND FILLED WITH WATER AND A VISUAL INSPECTION MADE FOR LEAKS. ALL LEAKS SHALL BE CORRECTED.
    - C. ALL TESTS SHALL BE DONE PRIOR TO BACKFILLING.

PHASING NOTE:

EXISTING ELECTRICAL AND TELECOMMUNICATION SERVICES SHALL NOT BE DISCONNECTED UNTIL NEW SERVICES ARE READY FOR IMMEDIATE CONNECTION. OUTAGES SHALL BE KEPT TO MINIMUM LENGTH, SHALL BE SCHEDULED WITH OWNER AT LEAST TWO WEEKS PRIOR TO OUTAGE, AND SHALL HAPPEN AT NIGHTS / WEEKENDS PER OWNERS SCHEDULE.

CODED NOTES:

1. EXISTING 4" GAS SERVICE LINE TO BE RELOCATED FOR NEW ADDITION. COORDINATE WITH LOCAL UTILITY FOR SHUT-DOWN AND INSTALLATION REQUIREMENTS.
2. RECONNECT TO EXISTING 4" GAS SERVICE LINE AS REQUIRED.
3. EXISTING 8" FIRE LINE LINE TO BE RELOCATED FOR NEW ADDITION. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION AND INSTALL PER LOCAL REGULATIONS.
4. PROVIDE NEW 3" DOMESTIC WATER SERVICE FROM EXISTING WATER METER TO BULIDING ENTRANCE AS REQUIRED. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION AND INSTALL PER LOCAL REGULATIONS.
5. EXISTING SANTIARY MANHOLE TO REMAIN. RECONNECT AND REWORK FLOW CHANNELS AS REQUIRED.
6. NEW MANHOLE IN EXISTING SANITARY MAIN. MATCH EXISTING INVERTS AND RIM TO BE FLUSH WITH GRADE. FIELD VERIFY LINE SIZE AND INVERTS PRIOR TO CONSTRUCTION.
7. PROVIDE POLE BASE PER "POLE BASE DETAIL - TYPE A ".
8. TWO (2) 4" SCH 40 PVC CONDUITS FOR KENTUCKY UTILITIES PRIMARY ELECTRIC. INSTALL 200 POUND PULL STRING IN CONDUITS. 42" MINUMUM BURY. USE RIGID LONG SWEEP ELBOWS.
9. APPROXIMATE LOCATION OF EXISTING FIBER, ANALOG VOICE AND CABLE TELEVISION DEMARCS. RUN NEW CONDUITS TO LOCATION OF EXISTING DEMARC FOR EACH RESPECTIVE UTILITY COMPANY.
10. EXISTING KENTUCKY UTILITIES PAD-MOUNTED TRANSFORMER.
11. DISCONNECT OVERHEAD SERVICE FROM STORAGE BUILDING WEATHERHEAD. REMOVE SECONDARY CONDUCTORS AND SEAL WEATHERHEAD.
12. CONNECT NEW SECONDARY FEEDER TO EXISTING MAIN DISCONNECT IN STORAGE BUILDING.
13. ONE 3" CONDUIT FOR FIBER OPTIC SERVICE. ONE 3" CONDUIT FOR ANALOG VOICE SERVICE. ONE 3" CONDUIT FOR CABLE TELEVISION SERVICE, AND ONE SPARE 3" CONDUIT. MINIMUM BURY IS 24".
14. EXISTING SANITARY MANHOLE AND ASSOCIATED SANITARY MAIN TO BE REMOVED.
15. EXISTING SANITARY MAIN TO BE REMOVED. PIPING MAY BE ABANDONED IN PLACE WHERE NOT IN CONFLICT WITH NEW WORK.
16. EXISTING 6" FIRE LINE AND 2-1/2" DOMESTIC WATER LINE TO BE REMOVED.
17. EXISTING 4" GAS SERVICE LINE TO BE REMOVED TO EXTENT INDICATED.
18. EXISTING UTILITY POLE AND ASSOCIATED OVERHEAD LINES ARE TO BE REMOVED. CONTRACTOR IS TO COORDINATE WITH KENTUCKY UTILITES, WINDSTREAM, AND IRVINE COMMUNITY CABLE FOR REMOVAL OF POLE AND SERVICES. REMOVE ALL EXPOSED, ABANDONED CONDUIT.
19. NEW UTILITY POLE. CONTRACTOR IS TO COORDINATE WITH KENTUCKY UTILITES FOR EXACT LOCATION AND INSTALLATION OF NEW UTILITY POLE.
20. NEW PAD MOUNTED TRANSFORMER FOR STORAGE BUILDING.
21. THIS CIRCUIT IS TO BE RUN TO EXISTING PANEL "G" LOCATED ON THE MEZZANINE. SEE NOTE 22 THIS SHEET. RUN INTO BUILDING SIMILAR TO WORK INDICATED IN CODED NOTE #29, THIS SHEET.
22. MEZZANINE SHOWN HERE AS THE HATCHED REGION. PANEL "G" IS LOCATED ON THE MEZZANINE.
23. NEW UNDERGROUND SECONDARY ELECTRIC. TWO PARALLEL RUNS OF 3" CONDUIT WITH FOUR 350 MCM AND ONE #1 GROUND IN EACH. MINIMUM BURY IS 24".
24. EXISTING KENTUCKY UTILITTES UTILITY POLE AND LIGHT FIXTURE SHALL REMAIN. KU WILL RE-FEED POWER TO LIGHT FROM A DIFFERENT LOCATION.
25. COORDINATE DISCONNECTION AND REMOVAL OF EXISTING UNDERGROUND PRIMARY FEED TO EXISTING PAD MOUNTED TRANSFORMER. RUN NEW UNDERGROUND PRIMARY CONDUITS TO EXISTING TRANSFORMER.
26. COORDINATE WITH WINDSTREAM AND IRVINE COMMUNITY CABLE TO REMOVE CABLING INTO BUILDING AFTER NEW SERVICES ARE IN PLACE. REMOVE ALL ABANDONED, EXPOSED CABLING.
27. MAST CONDUITS UP UTILITY POLE PER RESPECTIVE UTILITY COPANY REQUIREMENTS.
28. CONDUITS ARE TO RUN EXPOSED UP SIDE OF BUILDING TO PULL BOX(ES) AT AN ELEVATION ABOVE THE INTERIOR LAY-IN CEILING. COORDINATE WITH RESPECTIVE UTILITY COMPANIES.
29. ROUTE CONDUITS ABOVE LAY-IN CEILING.
30. EXISTING 2-1/2" DOMESTIC WATER SERVICE LINE TO BE REMOVED FROM EXISTING WATER METER TO BUILDING ENTRANCE. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
31. EXISTING SANITARY MANHOLE ABANDONED. REMOVED AND CUT AND CAP PIPING BACK TO MAIN. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
32. STEP LIGHTS ARE TO BE MOUNTED IN STEP RISE 1' - 6" ABOVE PRECEEDING STEP.
33. STEP LIGHTS ARE TO BE MOUNTED 1' - 6" A.F.F.

NOTE:

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SITE UTILITIES PLAN
SCALE: 1" = 30'-0"

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Lexington, KY 40511
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NOT FOR CONSTRUCTION

SITE UTILITIES PLAN

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

BG # 22-207

Project No:	2148
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Rev'd By:	MJ / WT

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SITE UTILITIES PLAN

DATE ISSUED:
MARCH 14, 2022

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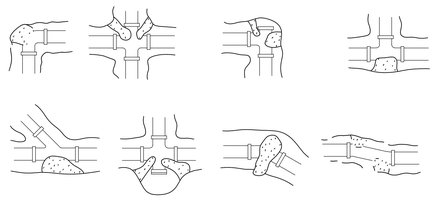


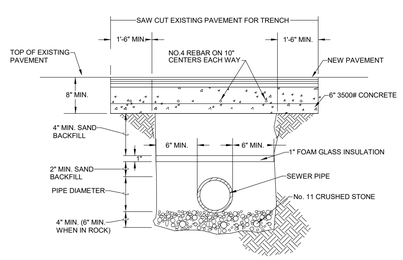
THRUST/POUND OF PRESSURE				
PIPE SIZE	DEAD END OF TEE	1/4 BEND	1/8 BEND	1/16 BEND
4" & SMALLER	20	40	27	20
6	39	60	34	24
8	68	100	56	31
10	110	160	89	48

AREA OF BLOCKING = THRUST PER POUND X 150 / SOIL BEARING VALUE

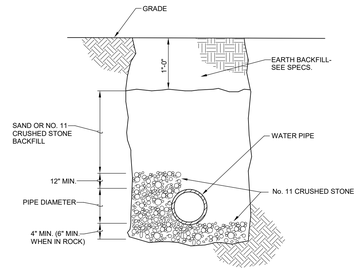
SOIL BEARING VALUES	
TYPE SOIL	PSF
CEMENTED GRAVEL	4000
COMPACTED SAND	3000
MEDIUM CLAY	2000
SOFT CLAY	1000

NOTE: THRUST BLOCKING IS REQUIRED AT CHANGES IN DIRECTION IN PIPING SYSTEMS THAT CARRY PRESSURIZED FLUIDS.

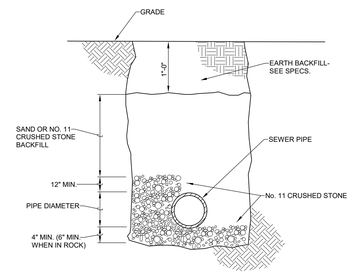
THRUST BLOCK DETAIL
SCALE: NONE



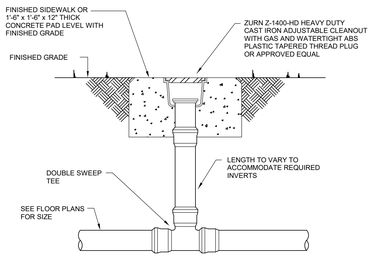
EXTERIOR SEWER OR WATER PIPING UNDER PAVED AREA
SCALE: NONE



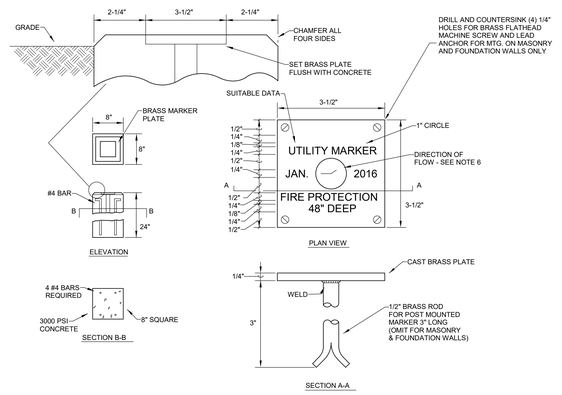
EXTERIOR WATER PIPING INSTALLATION DETAIL
SCALE: NONE



EXTERIOR SEWER PIPING INSTALLATION DETAIL
SCALE: NONE



EXTERIOR GRADE 2-WAY CLEANOUT DETAIL
SCALE: NONE



NOTES:

1 MARKERS SHALL BE LOCATED WHERE INDICATED ON DRAWINGS AND AT BUILDING/VAULT/TUNNEL ENTRANCE/EXIT AND EVERY CHANGE IN DIRECTION.

2 BRASS MARKERS SHALL BE CAST BY BRUCE FOX COMPANY, NEW ALBANY, INDIANA (WWW.BRUCEFOX.COM), OR EQUAL.

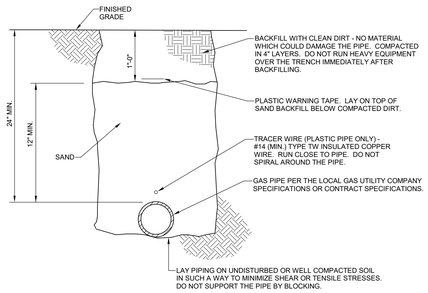
3 ALL LETTERING SHALL BE OF THE RAISED TYPE. LETTERING SHOWN ON MARKER IS FOR EXAMPLY ONLY. LETTERING TO BE RAISED 1/8".

4 AT THE CONTRACTOR'S OPTION, ONE MARKER MAY BE USED FOR COMPANION MAINS THAT ARE LOCATED CLOSE TOGETHER SUCH AS STEAM AND CONDENSATE PUMP DISCHARGE PIPING OR CHILLED WATER SUPPLY AND CHILLED WATER RETURN PIPING. PROVIDE ARROW FOR EACH MAIN.

5 CONTRACTOR SHALL FURNISH A COMPLETE LIST FOR APPROVAL OF ALL MARKERS SHOWING NAMES, ARROWS, DEPTH AND DATE.

6 WHEN UTILITY MARKERS ARE INSTALLED OVER LINES AT A POINT OF DIRECTION CHANGE, THE ARROW ON THE MARKERS SHALL BE "ANGLED" AS REQUIRED TO IMPLY THIS ROUTING.

UTILITY SERVICE MARKER DETAIL
NO SCALE



NOTES:

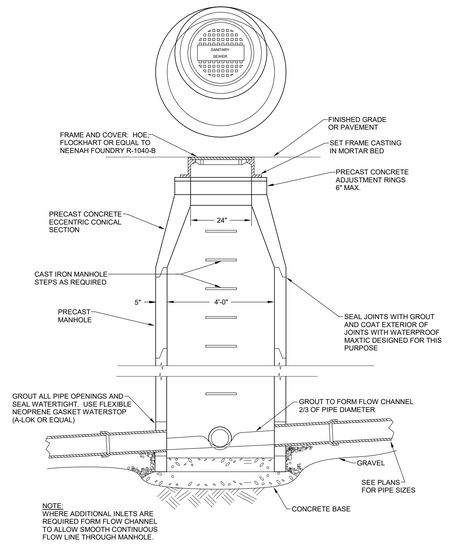
1. ALL GAS SUPPLY INSTALLATION WILL BE IN ACCORDANCE WITH THE REGULATIONS AND RECOMMENDATIONS OF THE LOCAL GAS UTILITY COMPANY.

2. INSTALL PLASTIC PIPE WITH SUFFICIENT SLACK FOR CONTRACTION.

EXTERIOR GAS PIPING INSTALLATION DETAIL
SCALE: NONE

SITE UTILITIES LEGEND

MECHANICAL		ELECTRICAL	
ES	EXISTING SANITARY SEWER	EOE	EXISTING OVERHEAD ELECTRIC
S	NEW SANITARY SEWER	OE	OVERHEAD ELECTRIC
ESS	EXISTING STORM SEWER	OE/T	OVERHEAD ELECTRIC/TELEPHONE
SS	NEW STORM SEWER	EE	EXISTING ELECTRIC UNDERGROUND
FP	FIRE PROTECTION LINE		BRANCH CIRCUIT UNDERGROUND
EW	EXISTING COLD WATER SERVICE	P	UNDERGROUND PRIMARY SERVICE
W	NEW COLD WATER SERVICE	UE	UNDERGROUND SECONDARY SERVICE
EHPG	EXISTING HIGH PRESSURE GAS	ET	EXISTING TELEPHONE UNDERGROUND
HPG	NEW HIGH PRESSURE GAS	T	UNDERGROUND TELEPHONE CONDUIT
EG	EXISTING GAS	TV	UNDERGROUND TELEVISION CONDUIT
G	NEW GAS		LIGHTING STANDARD
VB	VALVE WITH VALVE BOX		EXISTING POST LIGHT
M	UTILITY MARKER		POST LIGHT
	THRUST BLOCK		PANELBOARD OR TERMINAL CABINET (REFER TO PLANS AND RISER FOR SIZE)
C.I.	CAST IRON		SECTIONAL SWITCH GEAR (REFER TO PLANS AND RISER FOR NUMBER OF SECTIONS AND LAYOUT)
ELEV.	ELEVATION		
EXIST.	EXISTING		TRANSFORMER (REFER TO PLANS AND RISER FOR SIZE)
F.H.	FIRE HYDRANT	J	JUNCTION BOX
G.C.O.	GRADE CLEANOUT		ENCLOSED CIRCUIT BREAKER
I.E.	INVERT ELEVATION		DISCONNECT SWITCH
P.I.V.	POST INDICATOR VALVE		FUSED DISCONNECT
P.V.C.	POLYVINYL CHLORIDE PIPING		COMBINATION MAGNETIC STARTER AND FUSED SWITCH
T.E.	TOP ELEVATION		MOTOR
		HOT / GROUND / NEUTRAL	WIRE / CONDUIT
		12	BOTTOM OF DEVICE (IN INCHES A.F.F.)
		1	SEE NOTE 1 THIS SHEET
		HW 77	HEADWALL - FOR SERVICES, SEE DETAILS
			GROUND
			DUPLEX CONVENIENCE OUTLET
			QUADRAPLEX CONVENIENCE OUTLET
		GFI	GROUND FAULT INTERRUPTING OUTLET
		WP	WEATHERPROOF OUTLET
		SW	SWITCHED/CONTROLLED DUPLEX OUTLET
		E	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
		CM	CEILING MOUNTED RECEPTACLE.
		USB	USB DUPLEX RECEPTACLE.
			SIMPLEX WALL OUTLET (RATING AS NOTED)
			WALL OUTLET (240V, 1-PHASE) (RATING AS NOTED)
			WALL OUTLET (240V, 3-PHASE) (RATING AS NOTED)
			EQUIPMENT CONNECTION



NOTE:
WHERE ADDITIONAL INLETS ARE REQUIRED FORM FLOW CHANNEL TO ALLOW SMOOTH CONTINUOUS FLOW LINE THROUGH MANHOLE.

SANITARY MANHOLE DETAIL
SCALE: NONE

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

NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS INC.

SITE UTILITIES DETAILS AND LEGENDS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

BG # 22-207

Project No:	2148
Drawn By:	CS / VB / RG
Rev'd By:	MJ / WT

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CONSTRUCTION DOCUMENTS

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SITE UTILITIES DETAILS AND LEGENDS
DATE ISSUED:
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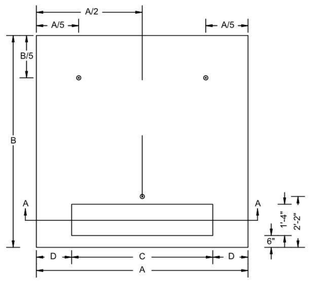
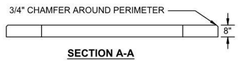


PLAN VIEW



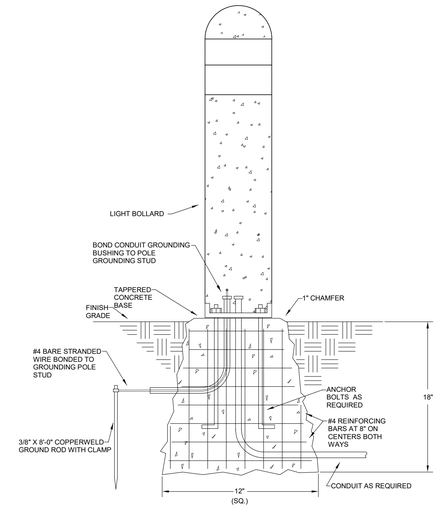
SECTION A-A

PRECAST KU PADS

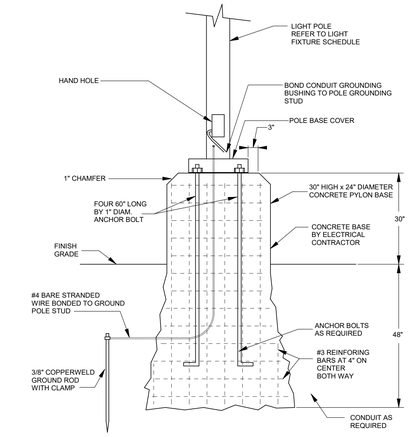
NOTES:
1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH f'e = 4,500 psi
2. STEEL REINFORCEMENT: ASTM A-615, GRADE 60 (CONTACT STANDARDS GROUP FOR CURRENT VERSION)
3. MINIMUM REINFORCING COVER = 1"
4. TRANSFORMER PADS ARE DESIGNED TO MEET ALL KU SPECIFICATIONS

KVA	A	B	C	D	WEIGHT
0-150	7'-6"	5'-0"	4'-6"	1'-6"	3150 LBS
225-500	7'-6"	7'-0"	4'-6"	1'-6"	4650 LBS
750-3000	9'-0"	9'-0"	5'-0"	2'-0"	7435 LBS

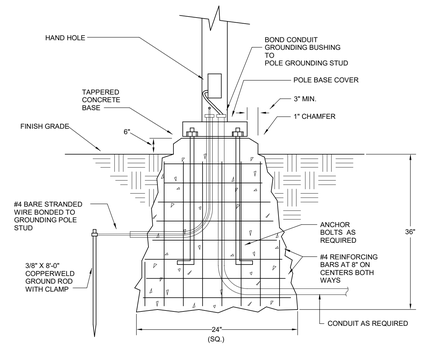
KENTUCKY UTILITIES TRANSFORMER PAD DETAIL
NOT TO SCALE



INSTALLATION DETAIL OF LIGHT BOLLARD AND BASE
SCALE: NONE



POLE BASE DETAIL - TYPE A
SCALE: NONE



POLE BASE DETAIL - TYPE B
SCALE: NONE

LIGHT FIXTURE SCHEDULE											
LF-#	FIXTURE DESCRIPTION	VOLTAGE	WATTAGE	LAMP	LUMEN OUTPUT	COLOR TEMPERATURE	COLOR RENDERING INDEX (CRI)	DRIVER	MANUFACTURER	MODEL	EQUIVALENT MANUFACTURERS
OLF-1	LED AREA LIGHT WITH CAST-ALUMINUM HOUSING AND DOOR FRAME, ACRYLIC LENSES, TYPE 3 MEDIUM DISTRIBUTION, TWO HEADS AT 180 DEGREES, INTEGRAL DRIVER, AND 19,049 LUMEN 4000K LED ENGINE. INSTALL ON 25' SQUARE STRAIGHT STEEL POLE. ARCHITECT SHALL SELECT FINISH OF FIXTURE AND POLE FROM STANDARD FINISHES DURING SHOP DRAWING PHASE.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T3M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-1A	LED AREA LIGHT WITH CAST-ALUMINUM HOUSEING AND DOOR FRAME, ACRYLIC LENSES, TYPE 2 MEDIUM DISTRIBUTION, SINGLE HEAD, INTEGRAL DRIVER, AND 19,096 LUMEN 4000K LED ENGINE. INSTALL ON 25' SQUARE STRAIGHT STEEL POLE. ARCHITECT SHALL SELECT FINISH OF FIXTURE AND POLE FROM STANDARD FINISHES DURING SHOP DRAWING PHASE.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T2M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-1B	SAME AS OLF-1A EXCEPT WITH TYPE 4 MEDIUM DISTRIBUTION.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T4M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-2	PEDESTRIAN SCALE LED WITH 24" DIAMETER X 4" HIGH DIE-CAST ALUMINUM HOUSING, ACRYLIC WAVE GUIDE, 360 DEGREE LED BOARD, ALUMINUM HEAT SINK, INTEGRAL LED DRIVER, INTEGRAL SURGE PROTECTION, 7,000 DELIVERED LUMENS, SYMMETTRIC TYPE 5 DISTRIBUTION, 78,000 HOURS RATED LIFE AT 100,000 HOURS, ETL LISTING FOR WET LOCATION, AND FIVE YEAR WARRANTY. FIXTURE TO BE MOUNTED TO A 14' STRAIGHT ROUND STEEL POLE. FINISH IS TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING PHASE.	208 V	128 W	LED	7,000 LM	4000 K	> 80	LED DRIVER	LITHONIA	RADPT LED P3 40K SYM 208 RADPT20 ** SF **	COOPER, LIGHTOLIER
OLF-4	3' HIGH WALKWAY BOLLARD WITH 1650 LUMEN AND 4000K LED DRIVER.	120 V	15 W	LED	1650 LM	4000 K	> 80	LED DRIVER	BEGA	84 238 K4 **	TARGETTI, METEOR
OLF-5	9" ROUND IN-GRADE FLOOD LIGHT WITH 2250 LUMEN 4000K LED DRIVER.	120 V	15 W	LED	2250 LM	4000 K	> 80	LED DRIVER	BEGA	M9410C SS LED P2 40K MVOLT FL FLC **	TARGETTI, INTERLUX
OLF-6	13" LONG, 5" HIGH, 5-1/2" WIDE RECESSED WALL MOUNTED STEP LIGHT WITH 848 LUMEN AND 4000K LED DRIVER.	120 V	15 W	LED	848 LM	4000 K	> 80	LED DRIVER	BEGA	24 060 K4 **	TARGETTI, SPI LIGHTING

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

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NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS INC.

SITE UTILITIES DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE I
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

BG # 22-207

Project No: 2148
Drawn By: CS / VB / RG
Rev'd By: MJ / WT

SHEET RELEASE		
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CONSTRUCTION DOCUMENTS

U2.2

SITE UTILITIES DETAILS

DATE ISSUED:
MARCH 14, 2022