

# Marion County Schools Outdoor Pavilions

## Lebanon, Kentucky

for the  
Marion County Board of Education  
755 East Main Street Lebanon, Kentucky 40033  
p 270-692-3721

BG # 23-328  
RTA # 2283



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

enhancing education through great design

PROJECT ADDRESS

1. West Marion Elementary School  
7585 Highway 172, West Liberty,  
KY 41472

2. Marion County Middle School  
1155 State Hwy 327, Lebanon,KY 40033

3. Marion County Knight Academy  
200 Corporate Dr, Lebanon, KY 40033

4. Marion County High School  
735 E Main St, Lebanon, KY 40033

5. Calvary Elementary School  
3345 State Hwy 208, Lebanon, KY 40033

6. Glascock Elementary School  
773 E Main St, Lebanon, KY 40033

VICINITY MAP

PROJECT VICINITY MAP

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COVER SHEET

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

BG# 23-328

Project No: 2283  
Drawn By: JJK  
Rev'd By: KAM\_RB

SHEET RELEASE	
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CONSTRUCTION DOCUMENTS

G0.0

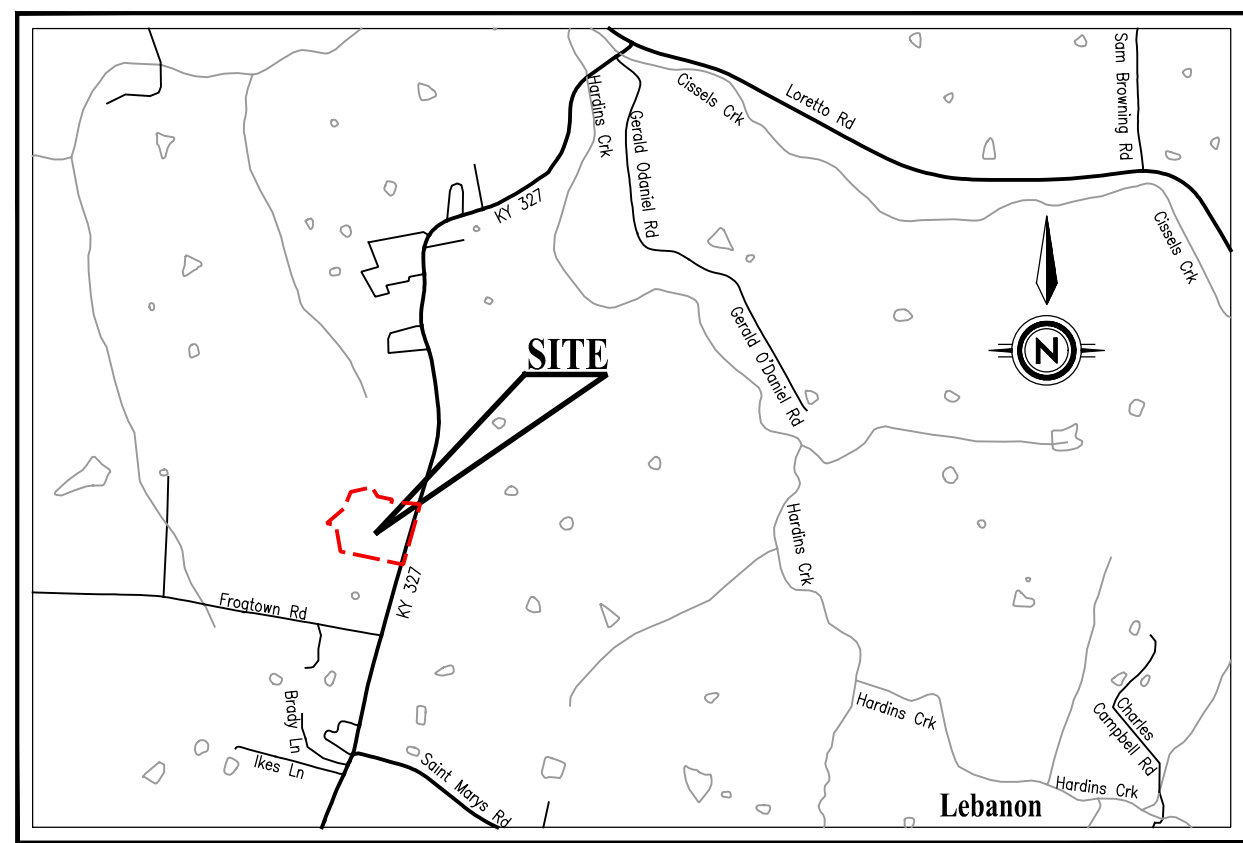
COVER SHEET

DATE ISSUED:  
MARCH 9, 2023









VICINITY MAP  
1" = 2000'

#### UTILITY OWNERS

ELECTRIC  
KENTUCKY UTILITIES  
800-981-0600

WASTE WATER  
MARION COUNTY WATER DISTRICT  
1835 CAMPBELLVILLE ROAD  
LEBANON, KY  
(270) 692-2004

WATER  
MARION COUNTY WATER DISTRICT  
1835 CAMPBELLVILLE ROAD  
LEBANON, KY  
(270) 692-2004

TELEPHONE  
WINSTON  
1715 EAST BROADWAY  
CAMPBELLVILLE, KY  
(270) 465-3141

STATE ROADS  
TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS  
DISTRICT OFFICE NO. 4  
634 EAST DIXIE HIGHWAY  
ELIZABETH STREET, KENTUCKY  
(270) 766-5069



#### LEGEND

- FOUND MONUMENT
- AS NOTED ON SURVEY
- 24" LONG, 5/8" DIAMETER REBAR WITH SURVEYOR'S CAP (SET, PLS 3350)
- MAG NAIL WITH ID TAG
- DEPT. PLS 3350
- WITNESS MONUMENT
- MAG NAIL WITH ID TAG (SET, PLS 3350)
- PROPERTY LINE
- STREET LIGHT (LP)
- POWER POLE (PP)
- TELEPHONE POLE (TP)
- FIRE HYDRANT (FH)
- WATER VALVE (WV)
- WATER METER (WM)
- IRRIGATION CONTROL VALVE (ICV)
- GAS METER (GM)
- GAS VALVE (GV)
- ELECTRIC METER (EM)
- LIGHT POLE (LP)
- POST INDICATOR VALVE (PIV)
- STORM MANHOLE
- SANITARY MANHOLE
- SIGNS
- PARKING METER
- DOWN SPOUT
- RCP REINFORCED CONCRETE PIPE
- CMP CORRUGATED METAL PIPE
- PVC PLASTIC PIPE
- ADS PLASTIC PIPE
- OPP CORRUGATED PLASTIC PIPE
- VCP VITRIFIED CLAY PIPE
- D.I. DUCTILE IRON PIPE
- MH MANHOLE
- INV. INVERT ELEVATION
- F.L. FLOW LINE ELEVATION
- S.G. SURFACE ELEVATION (TOP-OF-GRATE)
- T.B. SURFACE ELEVATION (TOP-OF-RIM)
- LSA LANDSCAPING AREA
- FFE FINISHED FLOOR ELEVATION
- CHAIN LINK FENCE
- IRON FENCE
- WATER LINE
- WATER LINE PER PLAN - NOT VERIFIED
- GAS LINE
- GAS LINE PER PLAN/NOT VERIFIED
- SANITARY SEWER PER PLAN - NOT VERIFIED
- STORM SEWER PER PLAN - NOT VERIFIED
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE/CABLE
- UNDERGROUND ELECTRIC
- UNDERGROUND ELECTRIC PER PLAN - NOT VERIFIED
- UNDERGROUND TELEPHONE/CABLE
- DECIDUOUS TREE (LEAFY TREE)
- INDICATES GROUND OR OUTLET OF UTILITY OR PIPE IS UNKNOWN

Per Plan  
REFERS TO THE SITE UTILITY PLAN FOR  
ST. CHARLES MIDDLE SCHOOL RENOVATION & ADDITION  
FOR THE MARION COUNTY BOARD OF EDUCATION BY  
CMTA ENGINEERING CONSULTANT AND  
ROSS-TARRANT ARCHITECTS, INC., DATED 5/11/2005

#### ORIGIN OF BEARINGS & COORDINATES

THE BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON KENTUCKY STATE PLANE GRID NORTH, PARTICULARLY, THE ELEVATIONS ARE BASED ON A GNSS SURVEY UTILIZING A TRIMBLE R6 GNSS RECEIVER AND THE KYTC VRS (2011) SYSTEM.

#### ORIGIN OF ELEVATIONS

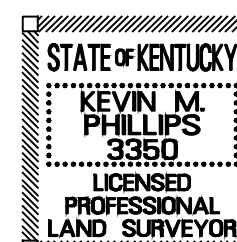
THE ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. PARTICULARLY, THE ELEVATIONS ARE BASED ON A GNSS SURVEY UTILIZING A TRIMBLE R6 GNSS RECEIVER AND THE KYTC VRS SYSTEM.

#### F.E.M.A. FLOOD HAZARD AREA

BASED ON AN INSPECTION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S MAP NUMBER 215500172C WITH A DATE OF IDENTIFICATION OF JANUARY 6, 2010 FOR COMMUNITY NUMBER 210160 IN MARION COUNTY, STATE OF KENTUCKY, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP (FIRM) FOR THE COMMUNITY IN WHICH THE SUBJECT PROPERTY LIES, THE PROPERTY LIES IN ZONE "X" (UNSHADED), DESIGNATED AS AREAS OF 0.02% CHANCE OF ANNUAL FLOOD.

#### METHOD OF SURVEY

THIS SURVEY WAS PERFORMED ON THE GROUND WITH A TRIMBLE S6 ROBOTIC TOTAL STATION BY RANDOM TRAVERSE WITH BOUNDRIES TO CORNER. THE STATE PLANE COORDINATES SHOWN WERE DERIVED FROM A REAL-TIME (VIA CELLULAR COMMUNICATION) OBSERVATION UTILIZING A TRIMBLE R6 GNSS RECEIVER AND THE KYTC VRS SYSTEM (2011).



08-22-2019

#### LAND SURVEYOR'S CERTIFICATION

I HEREBY DO CERTIFY THAT THIS SURVEY WAS PREPARED BY ME OR UNDER MY DIRECTION; AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE LOCATIONS AND ELEVATIONS SHOWN ARE TRUE AND ACCURATE. THE GROUND SURVEY UPON WHICH THIS MAP IS BASED WAS CONCLUDED ON AUGUST 21, 2019. THIS IS NOT A BOUNDARY SURVEY.

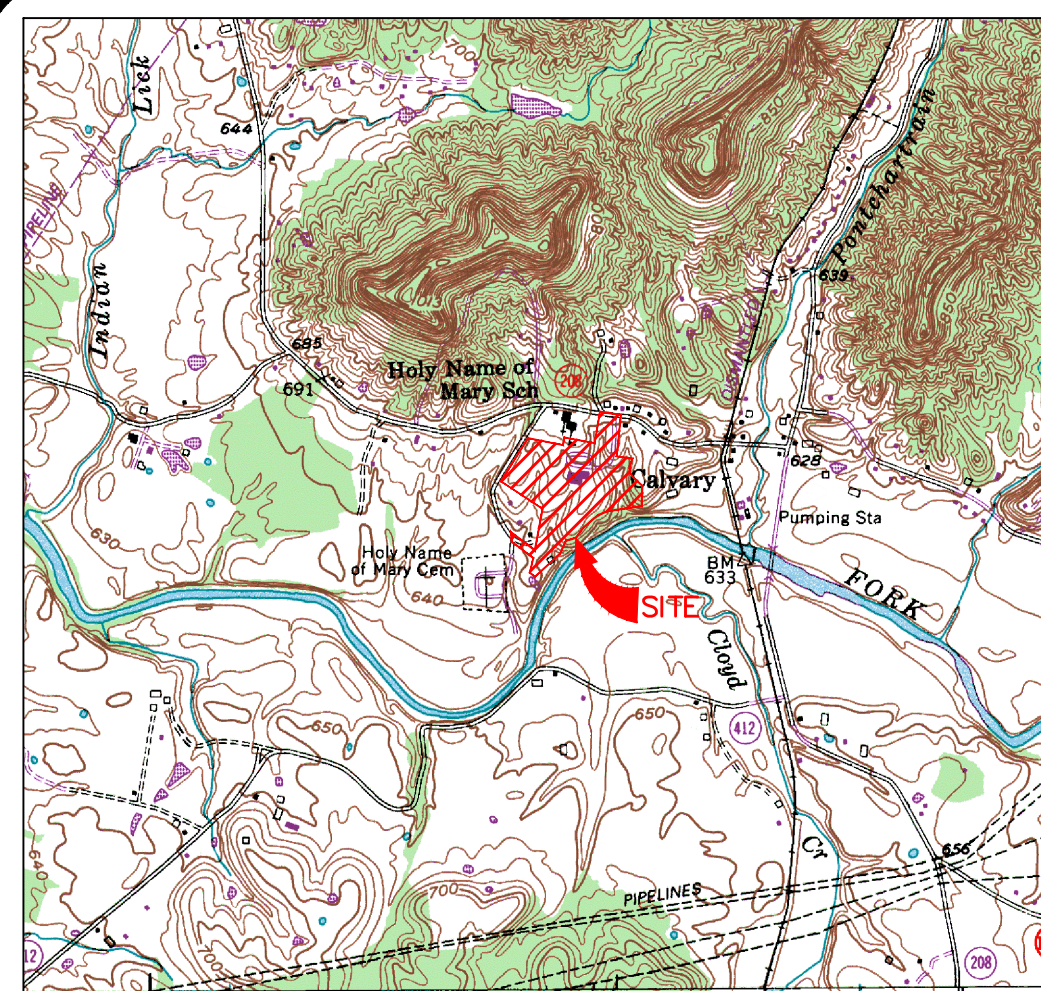
TOPOGRAPHIC SURVEY OF  
**Marion County Middle School**  
1155 Kentucky State Highway 327  
Lebanon, Marion County, Kentucky



This does not represent a boundary survey.  
**SURVEY COMPLETED**  
August 21, 2019

**JOB NUMBER** 4210  
**DRAWING DATE** August 22, 2019  
**DRAWING FILE** 1155 Marion Co Middle School  
**SCALE:** 1" = 30'  
0 30'





SURVEY NOTES SCALE 1" = 2000'

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

THE NORTH MERIDIAN & VERTICAL DATUM SHOWN HEREON ARE BASED ON GPS OBSERVATIONS MADE USING A TRIMBLE R10 NETWORK RECEIVER USING C.O.R.S. STATION "VRS". THE HORIZONTAL DATUM IS KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83) GRID NORTH. THE VERTICAL DATUM IS NAVD 88 (GEOID12B). THIS SURVEY CONTROL WAS ESTABLISHED ON OCTOBER 4, 2021.

THIS SURVEY WAS CONDUCTED BY THE METHOD OF RANDOM TRAVERSE WITH SIDESHOTS. THE PRECISION RATIO OF THE TRAVERSE WAS 1:122,607 AND WAS NOT ADJUSTED.

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

DATE OF SURVEY: NOVEMBER 11, 2021

## DISCLAIMERS

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

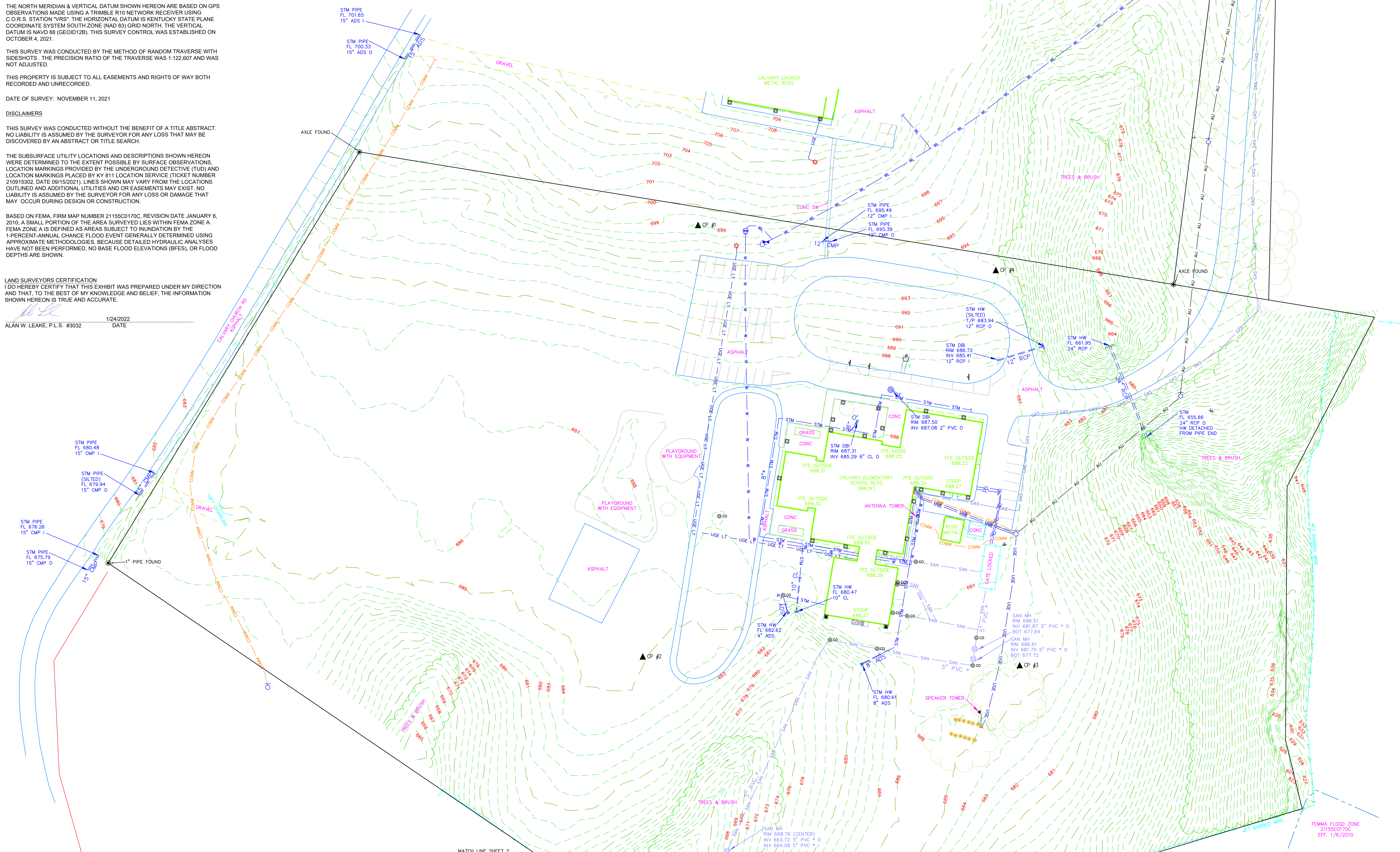
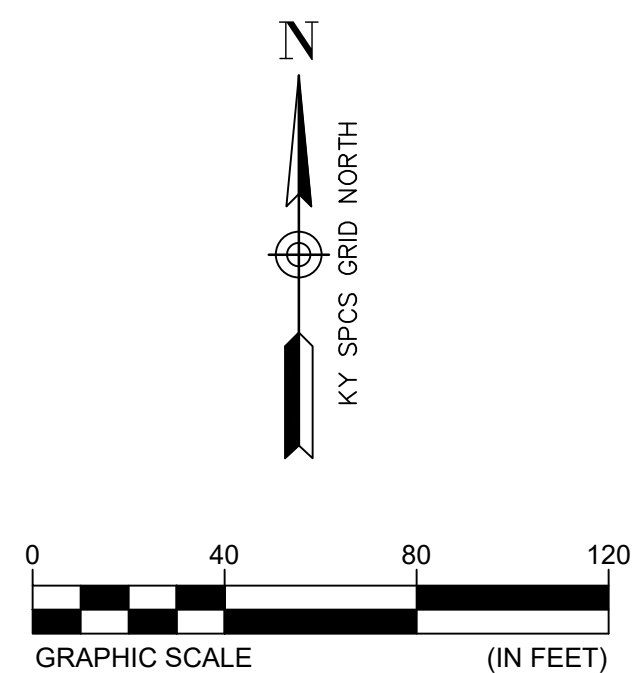
THE SUBSURFACE UTILITY LOCATIONS AND DESCRIPTIONS SHOWN HEREON WERE DETERMINED TO THE EXTENT POSSIBLE BY SURFACE OBSERVATIONS, LOCATION MARKINGS PROVIDED BY THE UNDERGROUND DETECTIVE (TUD) AND LOCATION MARKINGS PLACED BY KY 811 LOCATION SERVICE (TICKET NUMBER 210915302, DATE 09/15/2021). LINES SHOWN MAY VARY FROM THE LOCATIONS OUTLINED AND ADDITIONAL UTILITIES AND OR EASEMENTS MAY EXIST. NO LIABILITY IS ASSUMED BY THE SURVEYOR FOR ANY LOSS OR DAMAGE THAT MAY OCCUR DURING DESIGN OR CONSTRUCTION.

BASED ON FEMA, FIRM MAP NUMBER 21155C0170C, REVISION DATE JANUARY 6, 2010, A SMALL PORTION OF THE AREA SURVEYED LIES WITHIN FEMA ZONE A. FEMA ZONE A IS DEFINED AS AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL CHANCE FLOOD EVENT GENERALLY DETERMINED USING APPROXIMATE METHODOLOGIES. BECAUSE DETAILED HYDRAULIC ANALYSES HAVE NOT BEEN PERFORMED, NO BASE FLOOD ELEVATIONS (BFES), OR FLOOD DEPTHS ARE SHOWN.

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

ALAN W. LEAKE, P.L.S. #3032 1/24/2022  
DATE

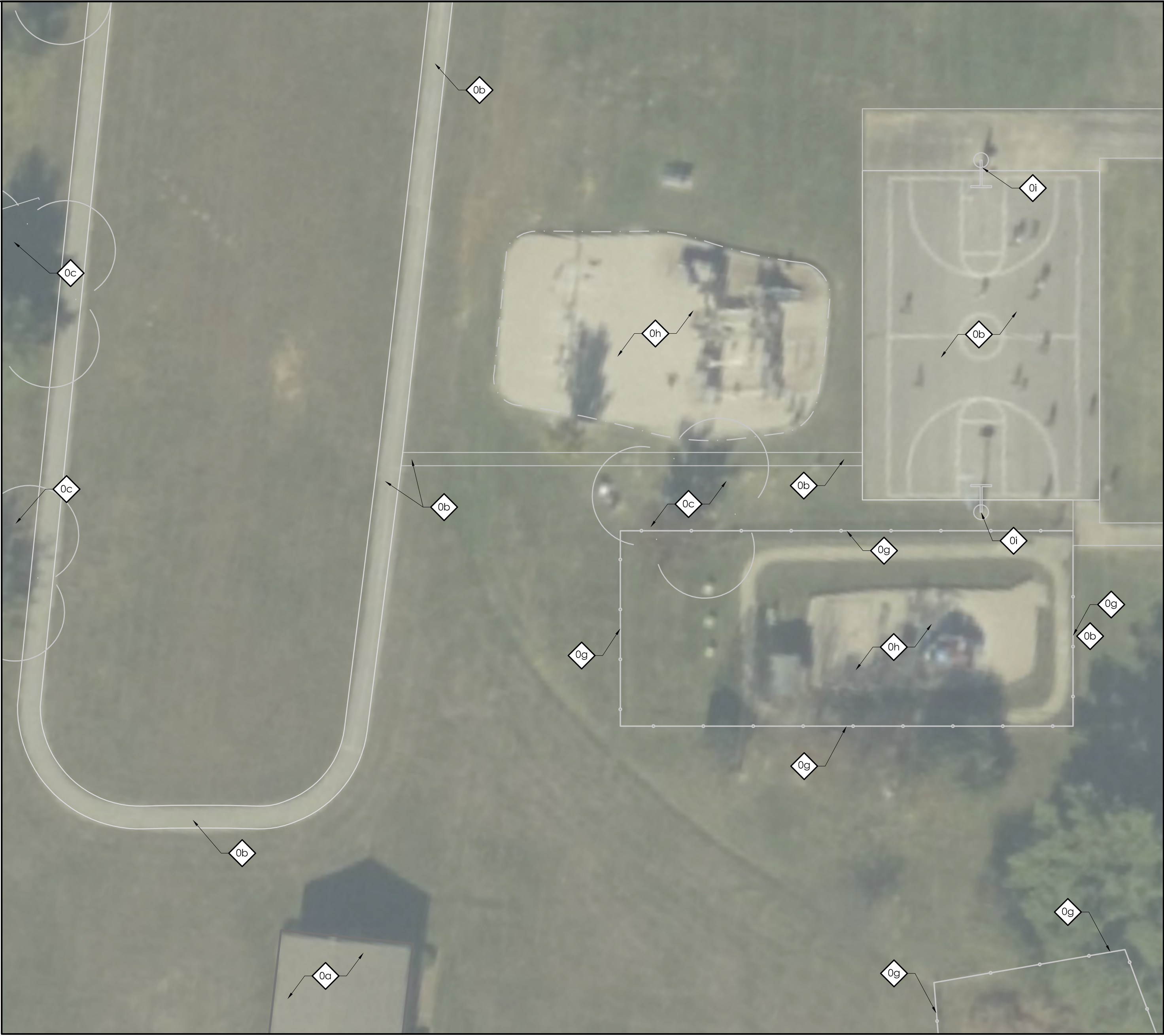
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2	2070756.29	1780012.41	685.18	IRON PIN SET
3	2070747.16	1780404.23	685.80	IRON PIN SET
4	2071158.04	1780379.36	693.19	IRON PIN SET

[illegible]









SITE DEMOLITION PLAN - GLASSCOCK ELEMENTARY  
SCALE: 1"=20'



EROSION POLLUTION SEDIMENT CONTROL PLAN - GLASSCOCK ELEMENTARY  
SCALE: 1"=20'

## GENERAL SITE NOTES

1. THE SITE PLANS FOR GLASSCOCK ELEMENTARY WERE PREPARED BASED UPON AERIAL PHOTOGRAPHY RETRIEVED FROM GOOGLE EARTH ON 01/18/2023.
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 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND

## SITE BMP NOTES

1. CONTRACTOR IS TO PROVIDE ALL KPDES PERMITS, NOTICES OF INTENT (NOIS) 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 EROSION POLLUTION AND SEDIMENT CONTROL PLAN FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN. 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.
10. LOCATION OF CONSTRUCTION ENTRANCE TO BE COORDINATED WITH OWNER. SEE DETAIL A/SD4.1.
11. LOCATION OF CONCRETE WASHOUT AREA TO BE COORDINATED WITH OWNER. SEE DETAIL C/SD4.1.

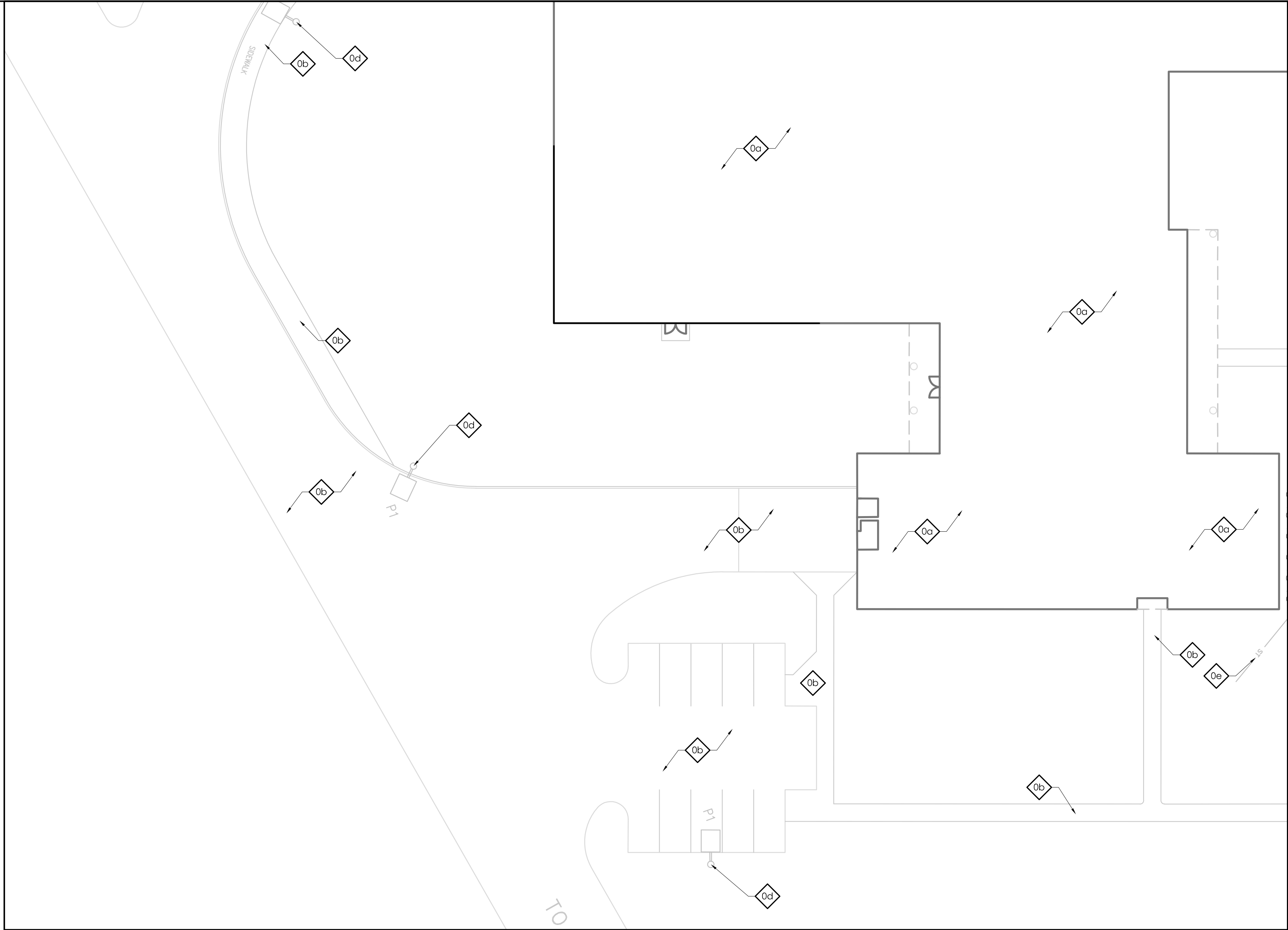
## SITE DEMOLITION TAGS

- D** 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 UNDAAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS  
[c] TREE/VEGETATION TO REMAIN.  
[d] UTILITY TO REMAIN.  
[e] STORM LINE/STRUCTURE TO REMAIN  
[f] GRAVEL PAVING TO REMAIN.  
[g] FENCING TO REMAIN.  
[h] PLAYGROUND TO REMAIN.  
[i] BASKETBALL GOAL TO REMAIN.  
[j] TURT TO REMAIN.  
[k] SIGN TO REMAIN.
- I** EXISTING VEGETATION TO BE DEMOLISHED AND REMOVED.

## LEGEND

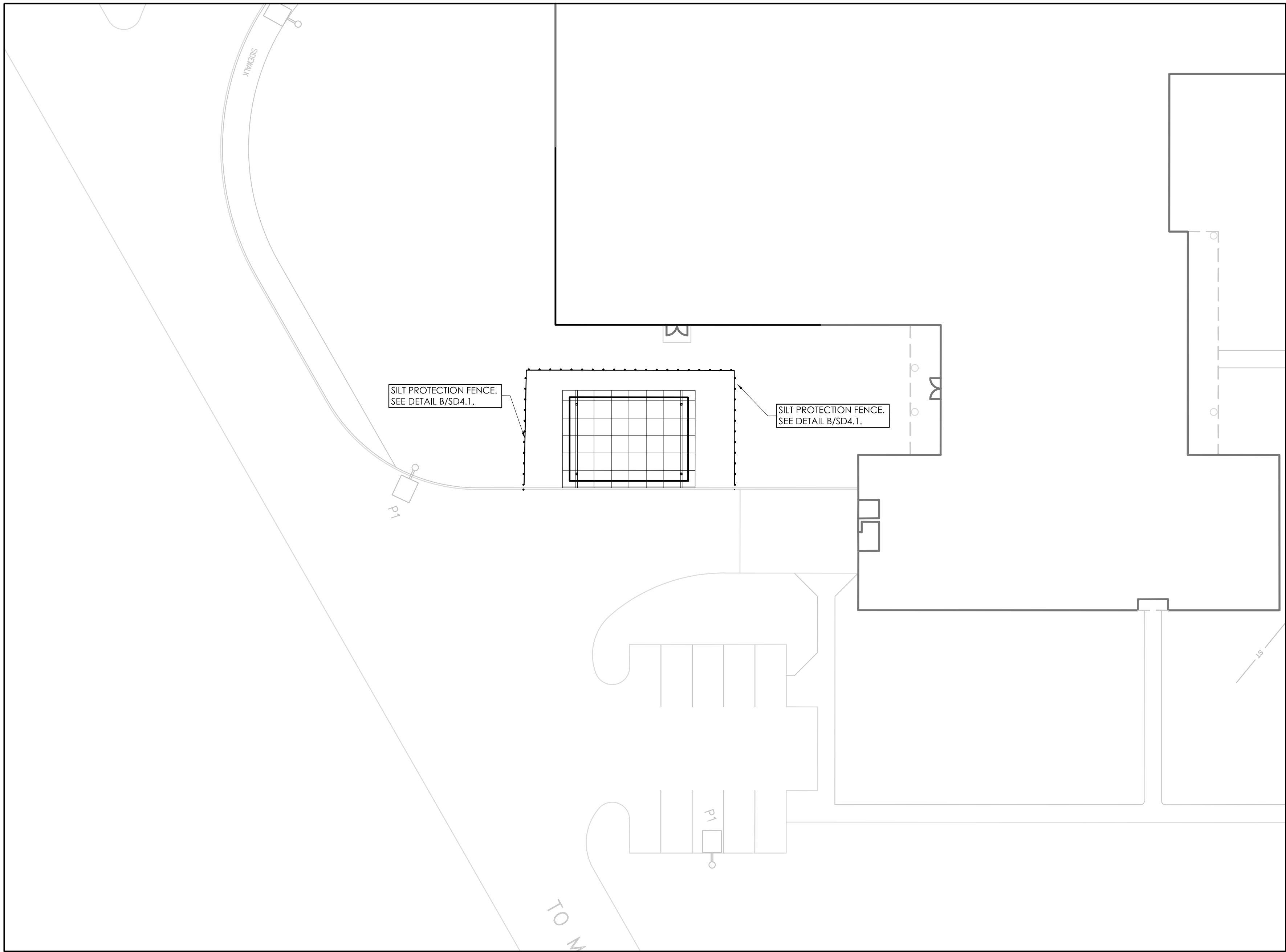
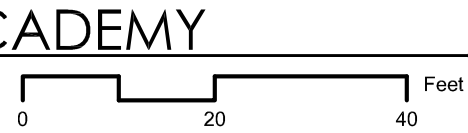
- SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL B/SD4.1.
- SILT CHECK DAM - SEE DETAIL D/SD4.1
- INLET PROTECTION. SEE DETAIL B/SD4.1.





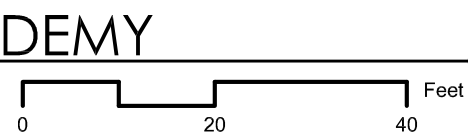
SITE DEMOLITION PLAN - KNIGHT ACADEMY

SCALE: 1"=20'



EROSION POLLUTION SEDIMENT CONTROL PLAN - KNIGHT ACADEMY

SCALE: 1"=20'



## GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DOCUMENTS FROM PREVIOUS PROJECT DESIGNED BY CMTA, 10411 MEETING ST, PROSPECT, KY 40059.
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 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

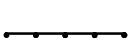


## SITE BMP NOTES

1. CONTRACTOR IS TO PROVIDE ALL KPDES PERMITS, NOTICES OF INTENT (NOIS) 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.
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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 EROSION POLLUTION AND SEDIMENT CONTROL PLAN FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN. 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.
10. LOCATION OF CONSTRUCTION ENTRANCE TO BE COORDINATED WITH OWNER. SEE DETAIL A/SD4.1.
11. LOCATION OF CONCRETE WASHOUT AREA TO BE COORDINATED WITH OWNER. SEE DETAIL C/SD4.1.

## 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 UNDAAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
  - (c) TREE/VEGETATION TO REMAIN.
  - (d) UTILITY TO REMAIN.
  - (e) STORM LINE/STRUCTURE TO REMAIN
  - (f) GRAVEL PAVING TO REMAIN.
  - (g) FENCING TO REMAIN.
  - (h) PLAYGROUND TO REMAIN.
  - (i) BASKETBALL GOAL TO REMAIN.
  - (j) TURT TO REMAIN.
  - (k) SIGN TO REMAIN.
- 1** EXISTING VEGETATION TO BE DEMOLISHED AND REMOVED.

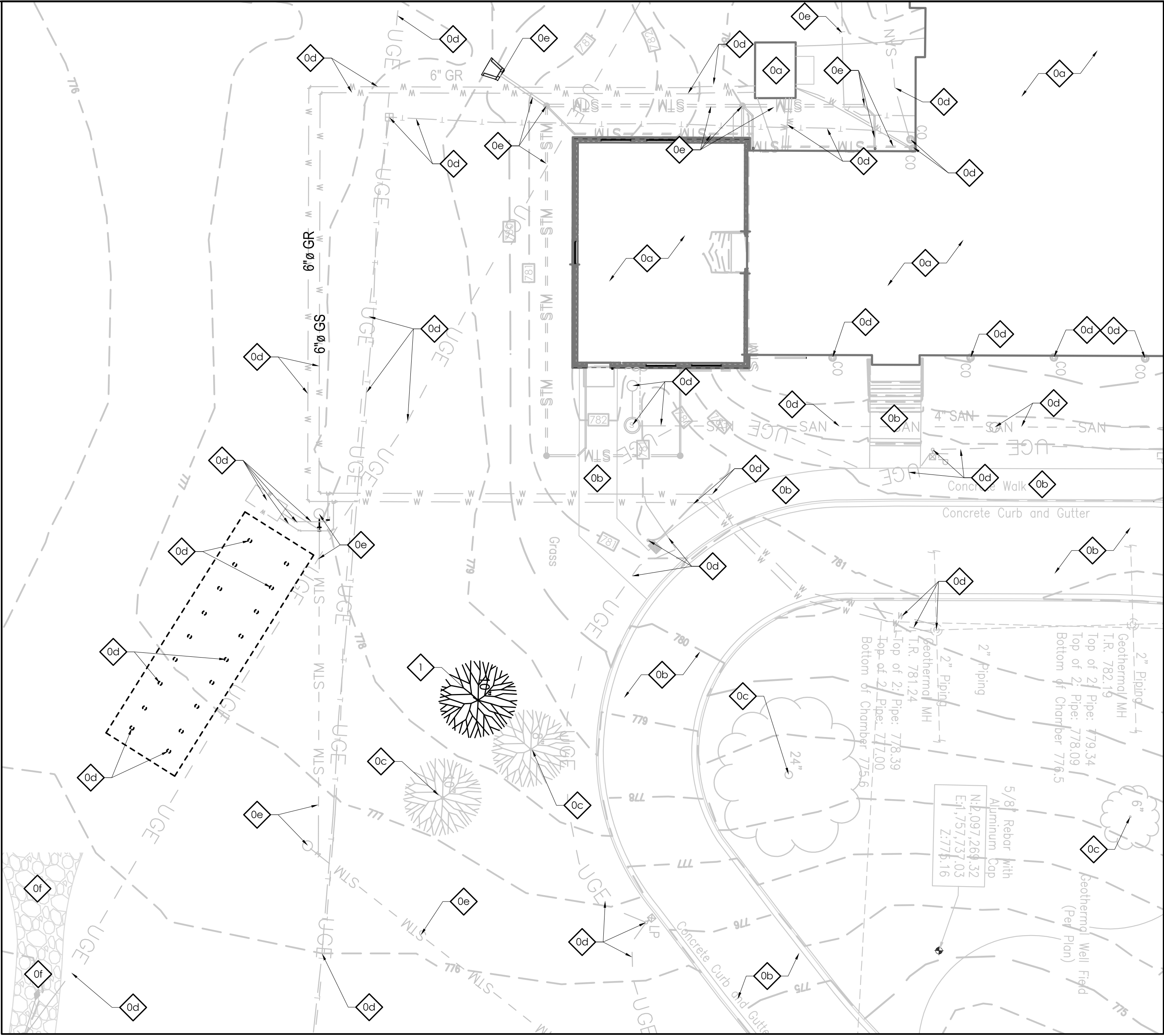
## LEGEND

-  SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL B/SD4.1.
-  SILT CHECK DAM - SEE DETAIL D/SD4.1.
-  INLET PROTECTION. SEE DETAIL B/SD4.1.





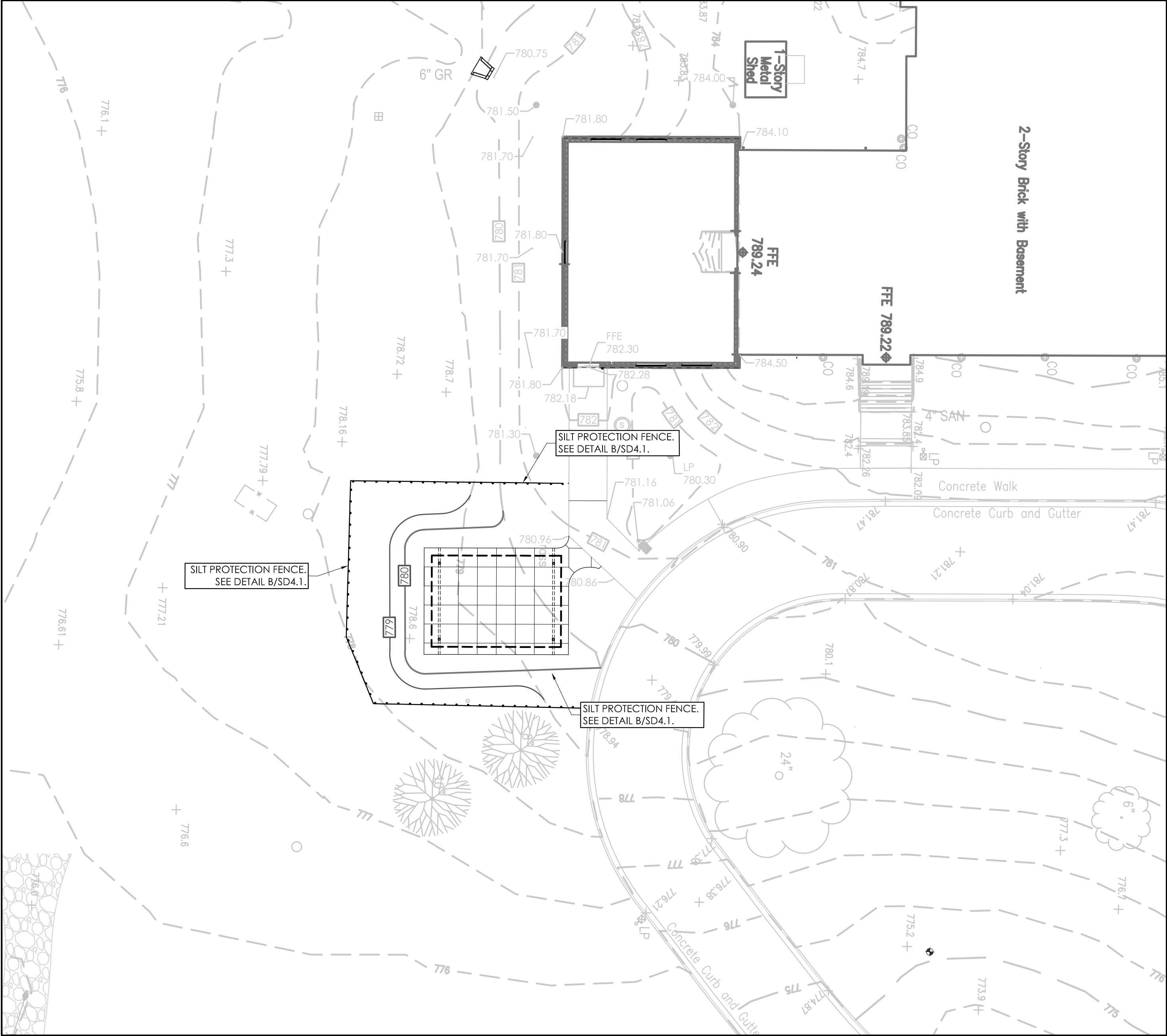




SITE DEMOLITION PLAN - MARION CO. MIDDLE SCHOOL

SCALE: 1"=20'

SD0.4



EROSION POLLUTION SEDIMENT CONTROL PLAN - MARION CO. MIDDLE SCHOOL

SCALE: 1"=20'

SD0.4



## GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DRAWINGS AND PREVIOUS TOPOGRAPHIC SURVEY. REFER TO PROVIDED SURVEY SHEETS FOR REFERENCE.
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 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

## SITE BMP NOTES

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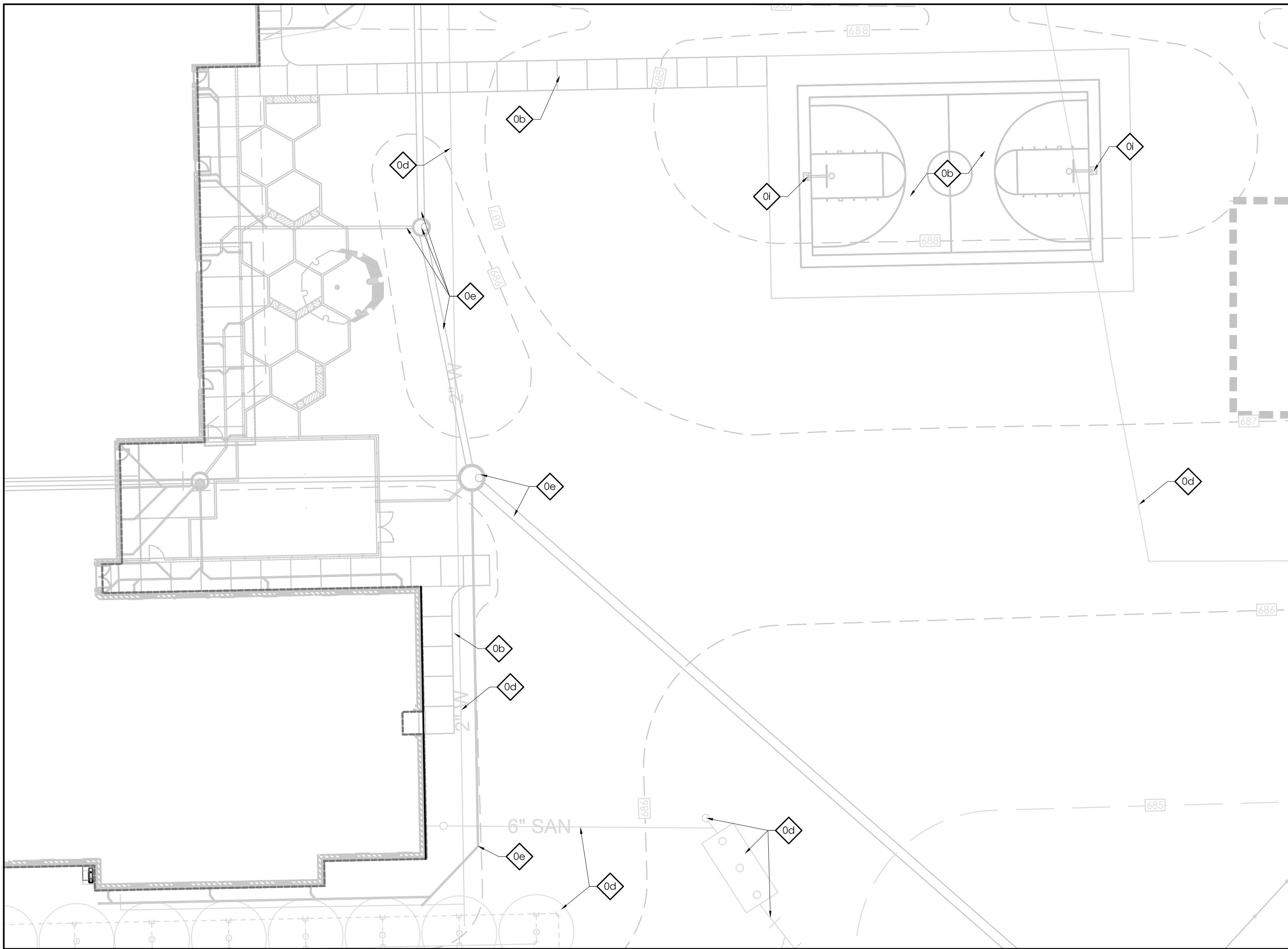
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- 0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
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- [j] CURT TO REMAIN.
- [k] SIGN TO REMAIN.
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## LEGEND

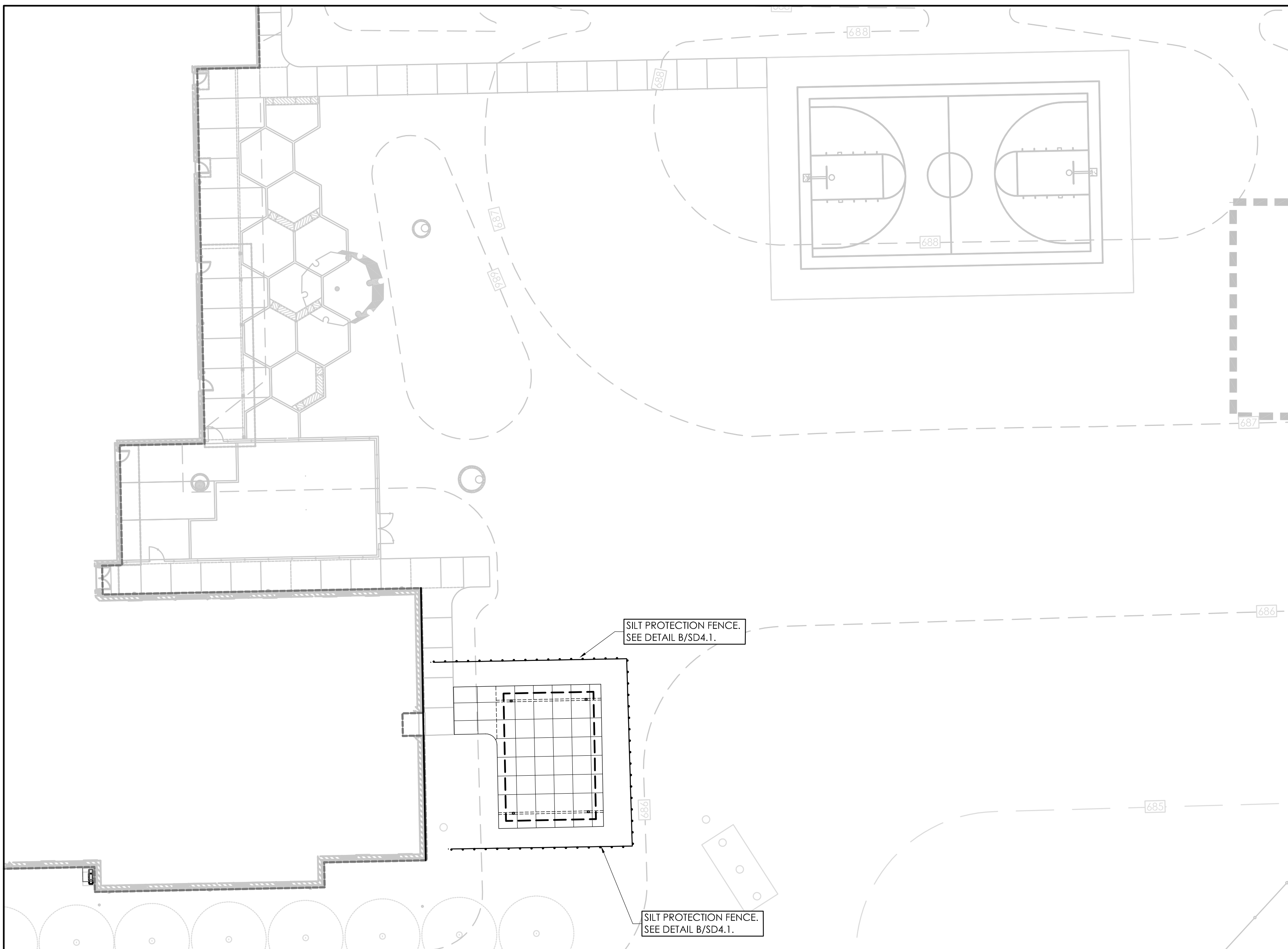
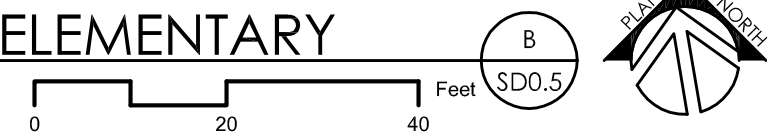
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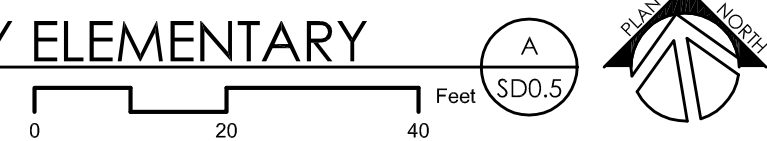
SITE DEMOLITION PLAN - NEW CALVARY ELEMENTARY

SCALE : 1"=20'



EROSION POLLUTION SEDIMENT CONTROL PLAN - NEW CALVARY ELEMENTARY

SCALE : 1"=20'



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EPSC & SITE DEMOLITION PLAN - NEW CALVARY ELEMENTARY

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR: Marion County Board of Education

755 East Main Street Leabnon, Kentucky 40033

BG# 23-328

Project No: 2283  
Drawn By: EGS  
Rev'd By: KAV, RB

SHEET RELEASE

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CONSTRUCTION DOCUMENTS

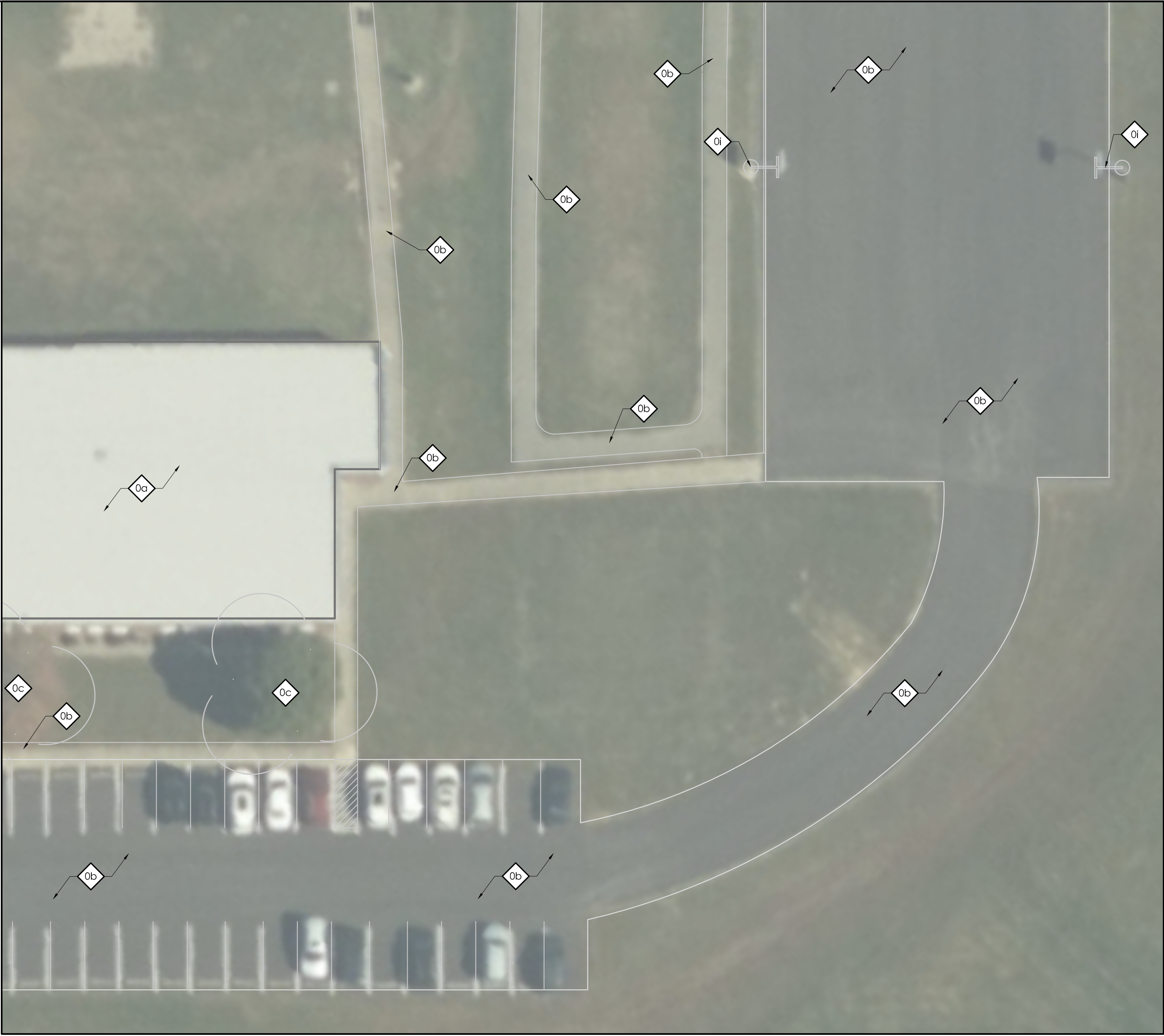
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EPSC & SITE DEMOLITION  
PLAN - NEW CALVARY  
ELEMENTARY  
DATE ISSUED:  
02/13/2023

rosstarrant  
architects  
101 old briarcliff avenue  
burlington, kentucky 40502 p.859.254.418

NOT FOR  
CONSTRUCTION





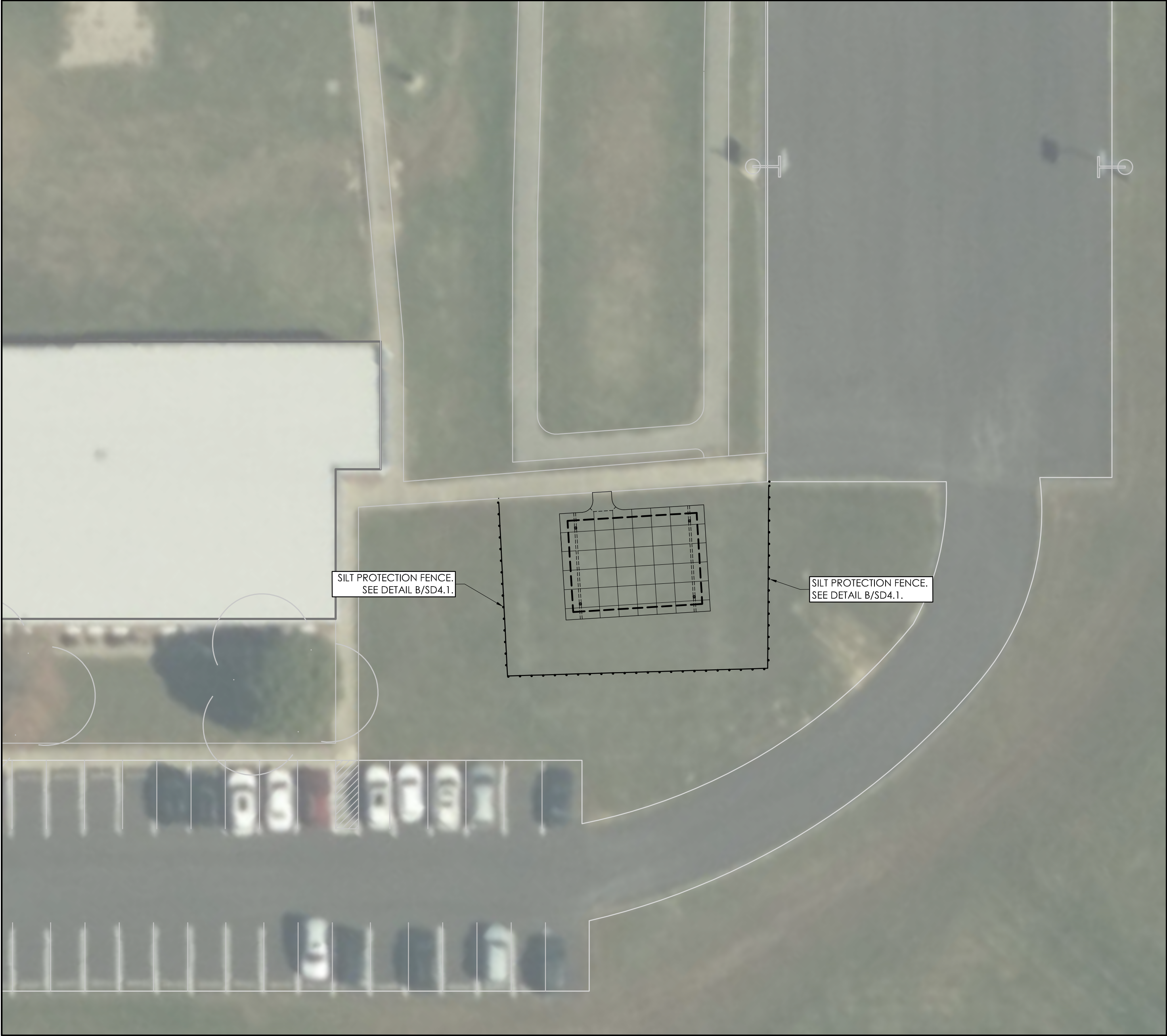
SITE DEMOLITION PLAN - WEST MARION

SCALE : 1"=20'

0 20 40 Feet

B

SD0.6



EROSION POLLUTION SEDIMENT CONTROL PLAN - WEST MARION

SCALE : 1"=20'

0 20 40 Feet

A

SD0.6



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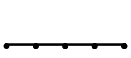


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  - (j) TURT TO REMAIN.
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- I** EXISTING VEGETATION TO BE DEMOLISHED AND REMOVED.

## LEGEND

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-  INLET PROTECTION. SEE DETAIL B/SD4.1.





SITE GRADING AND DRAINAGE PLAN - GLASSCOCK ELEMENTARY

SCALE : 1"=20'

SD1.1



SITE LAYOUT AND DEVELOPMENT PLAN - GLASSCOCK ELEMENTARY

SCALE : 1"=20'

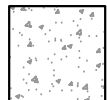
SD1.1



SITE STORM DRAINAGE NOTES

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

LEGEND



CONCRETE PAVEMENT

IJ - ISOLATION JOINT

D5-B

DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.

D5.S

DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1

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SITE DEVELOPMENT TAGS

8

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1

- CONCRETE PAVEMENT (321313, 321373).
- (a) CONCRETE SIDEWALK. SEE DETAIL D/SD4.1.
- (b) CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1.

2

- OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.

3

- FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.

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 PVIOUS 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 PVIOUS 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 - 98%
  - B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%
  - 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 OFF-SITE.
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 ERY AND DRIVE TO REDUCE SOIL TRACKING.

SITE LAYOUT & DEVELOPMENT AND GRADING & DRAINAGE PLAN - GLASSCOCK ELEMENTARY

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR:

Marion County Board of Education

755 East Main Street Leabnon, Kentucky 40033

BG# 23-328

Project No: 2283  
Drawn By: EGS  
Rev'd By: KAV, RB

SHEET RELEASE

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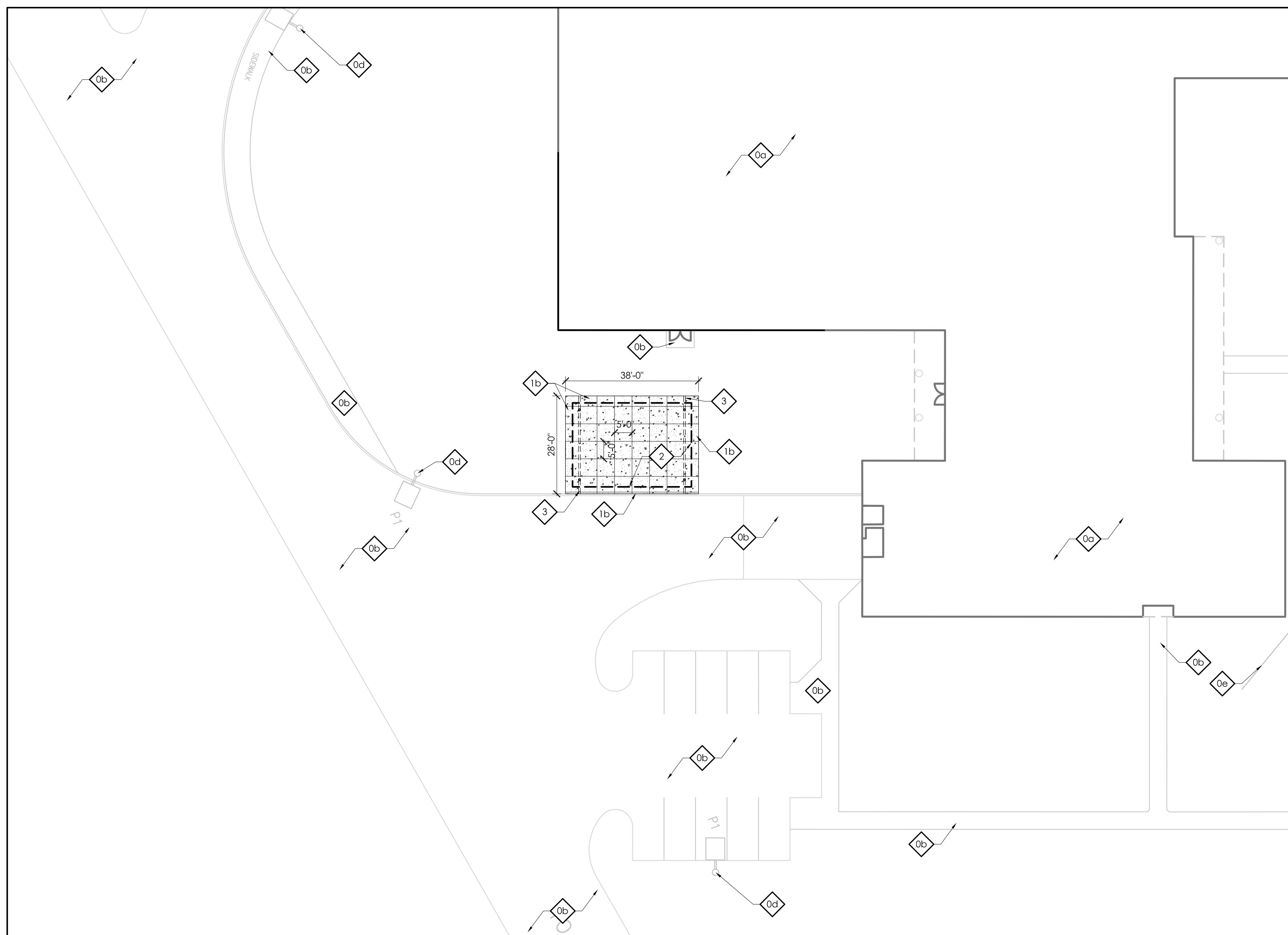
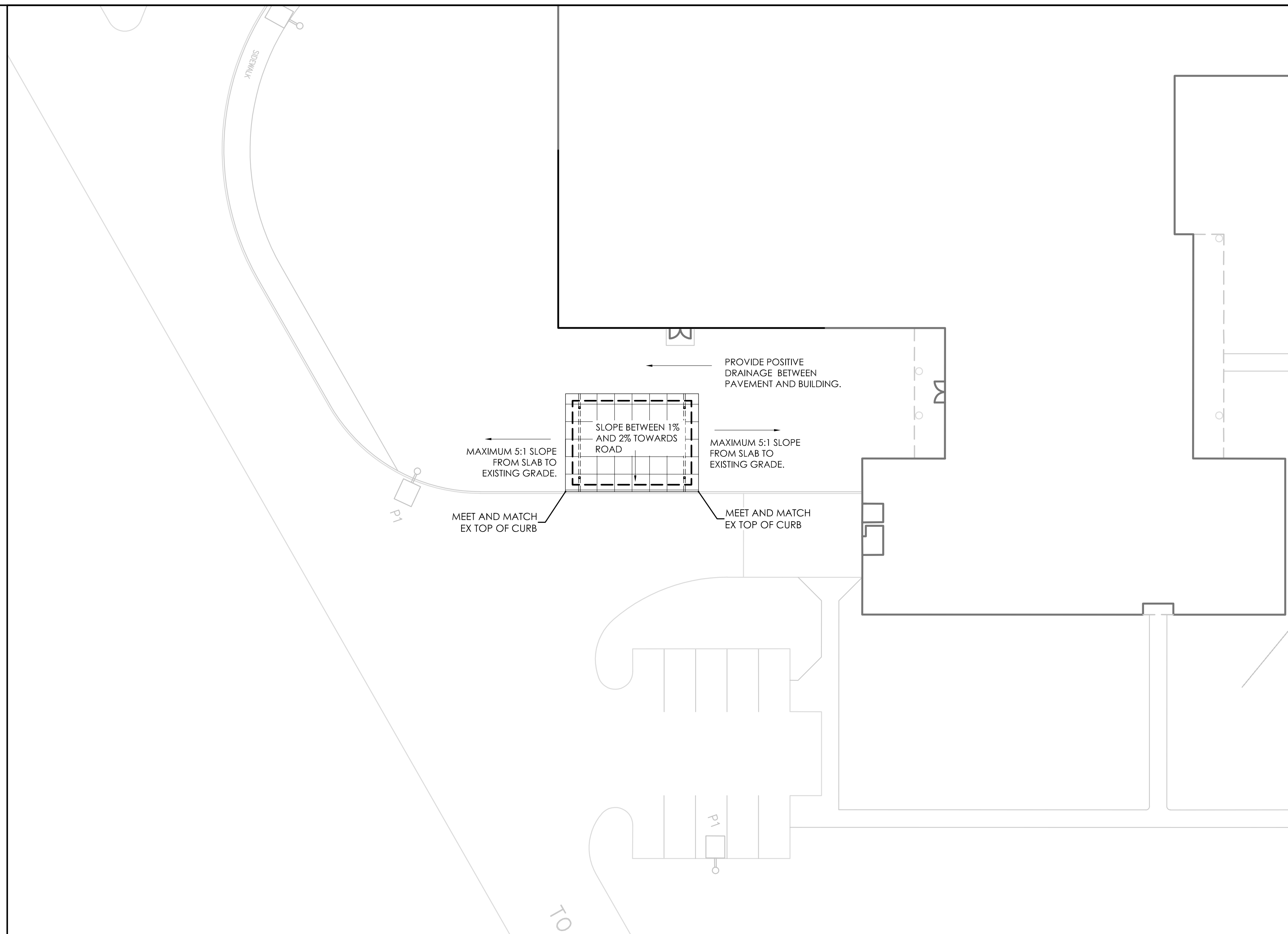
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LAYOUT & DEVELOPMENT AND  
GRADING & DRAINAGE PLAN  
- GLASSCOCK ELEMENTARY  
DATE ISSUED:  
02/13/2023

rosstarrant  
architects

101 old briarcliff avenue leabnon, kentucky 40026 p.859.254.4018

NOT FOR  
CONSTRUCTION





## SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH 12" MINIMUM 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 H2O LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H2O LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPED DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER PIPING. DOWNSPOUT ACTUATOR AND DOWNSPOUT SEES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPELINE. CLEANOUTS ARE TO BE LOCATED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL. IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS, CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

## LEGEND



IJ - ISOLATION JOINT



## GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DOCUMENTS FROM THE PREVIOUS PROJECT DESIGNED BY CMTA, 10411 EIGHTH ST, PROSPECT, KY 40059.
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 SEWER AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

## SITE DEVELOPMENT TAGS

- [A] EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- [B] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS AN ALTERNATIVE UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- [C] PAVEMENT TO REMAIN. - PATCH/PAVE WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT CLOSE TO NEAREST UNDAUNAGED CONTROL JOINT. MATCH NEAR ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
- [D] TREE/VEGETATION TO REMAIN.
- [E] UTILITY TO REMAIN.
- [F] STORE LINE/STRUCTURE TO REMAIN
- [G] GRAVE. PAVING TO REMAIN.
- [H] FENCING TO REMAIN.
- [I] PLAYGROUND TO REMAIN.
- [J] BASKETBALL GOAL TO REMAIN.
- [K] TURF TO REMAIN.
- [L] SIGN TO REMAIN.

- |   |   |
|---|---|
| 1 | CONCRETE PAVEMENT (321313, 321373).<br>[a] CONCRETE SIDEWALK. SEE DETAIL D/SD4.1.<br>[b] CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1. |
| 2 | OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.   |
| 3 | FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.   |

## 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 ANY 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 SHALL BE DEEMED TO BE A WAIVER OF THE CONTRACTOR'S LIABILITY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY THE CONTRACTOR'S 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 SEEDDED 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 4:1 ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
9. ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDDED 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 - 98% B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98% C) PAVED AREAS AND WALKS - 95% D) LANDSCAPE AREAS OUTSIDE MAILL AREAS - 85%
11. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, SHALL 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-OFF-SITE.
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 SURFACES TO PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ERIEN AND DRIVE TO REDUCE SOIL TRACKING.

SITE LAYOUT & DEVELOPMENT AND GRADING & DRAINAGE PLAN - KNIGHT ACADEMY

## MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR:

Marion County Board of Education

755 East Main Street Leabnon, Kentucky 40033

BG# 23-328
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Project No:	2283
Drawn By:	EGS
Rev'd By:	KAM/BB

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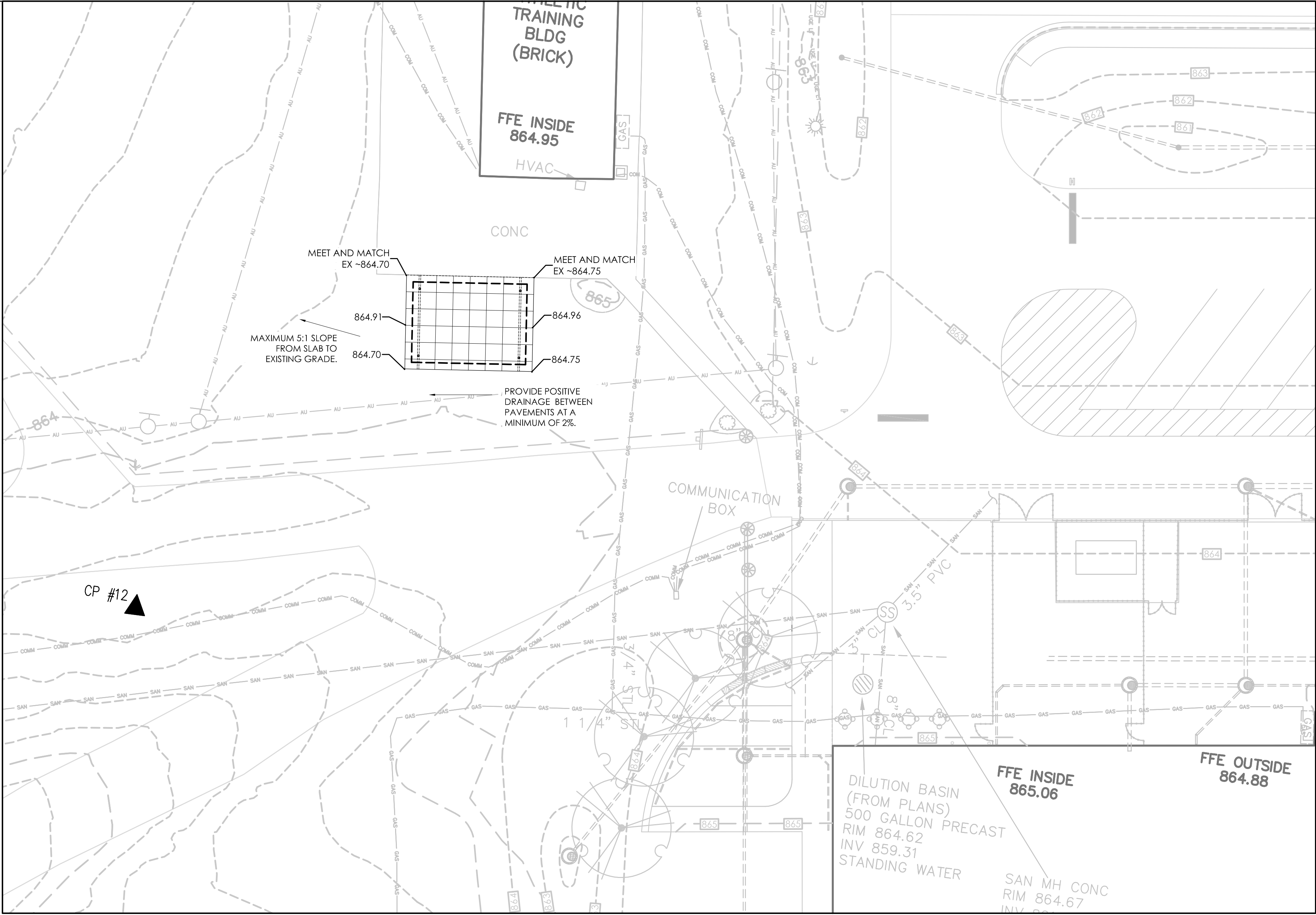
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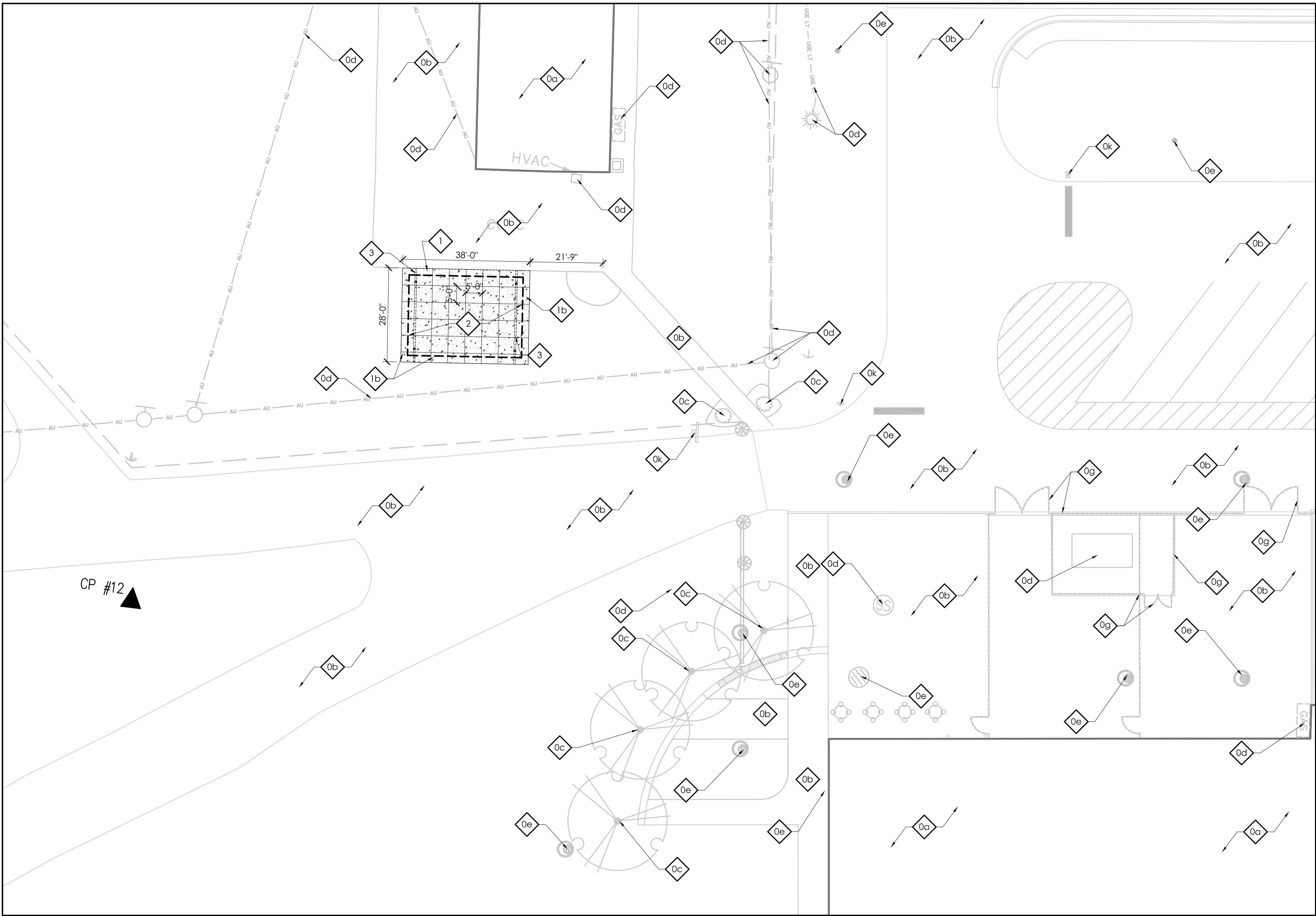
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02/13/2023





SITE GRADING AND DRAINAGE PLAN - MARION CO. HIGH SCHOOL

SCALE : 1"=20'



SITE LAYOUT AND DEVELOPMENT PLAN - MARION CO. HIGH SCHOOL

SCALE : 1"=20'



## SITE DRAINAGE NOTES

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

## LEGEND

- CONCRETE PAVEMENT      U - ISOLATION JOINT
- D5-B DRAINAGE STRUCTURE - REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.
- D5.3 DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1

## GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DOCUMENTS AND PREVIOUS TOPOGRAPHIC SURVEYS, REFER TO PROVIDED SURVEY SHEETS FOR REFERENCE.
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 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

## SITE DEVELOPMENT TAGS

- 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 UNDAAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
- (c) TREE/VEGETATION TO REMAIN.
- (d) UTILITY TO REMAIN.
- (e) STORM LINE/STRUCTURE TO REMAIN.
- (f) GRAVEL PAVING TO REMAIN.
- (g) FENCING TO REMAIN.
- (h) PLAYGROUND TO REMAIN.
- (i) BASKETBALL GOAL TO REMAIN.
- (j) TURF TO REMAIN.
- (k) SIGN TO REMAIN.
- 1 CONCRETE PAVEMENT (321313, 321373).
- (a) CONCRETE SIDEWALK. SEE DETAIL D/SD4.1.
- (b) CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1.
- 2 OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.
- 3 FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.

## 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 PVIOUS 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 PVIOUS 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 - 98%
  - B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%
  - 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 OFF-SITE.
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.

EPSC & SITE DEMOLITION PLAN - MARION CO. HIGH SCHOOL

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR:

Marion County Board of Education

755 East Main Street Lebanon, Kentucky 40033

BG# 23-328

Project No: 2283  
Drawn By: EGS  
Rev'd By: KAV, RB

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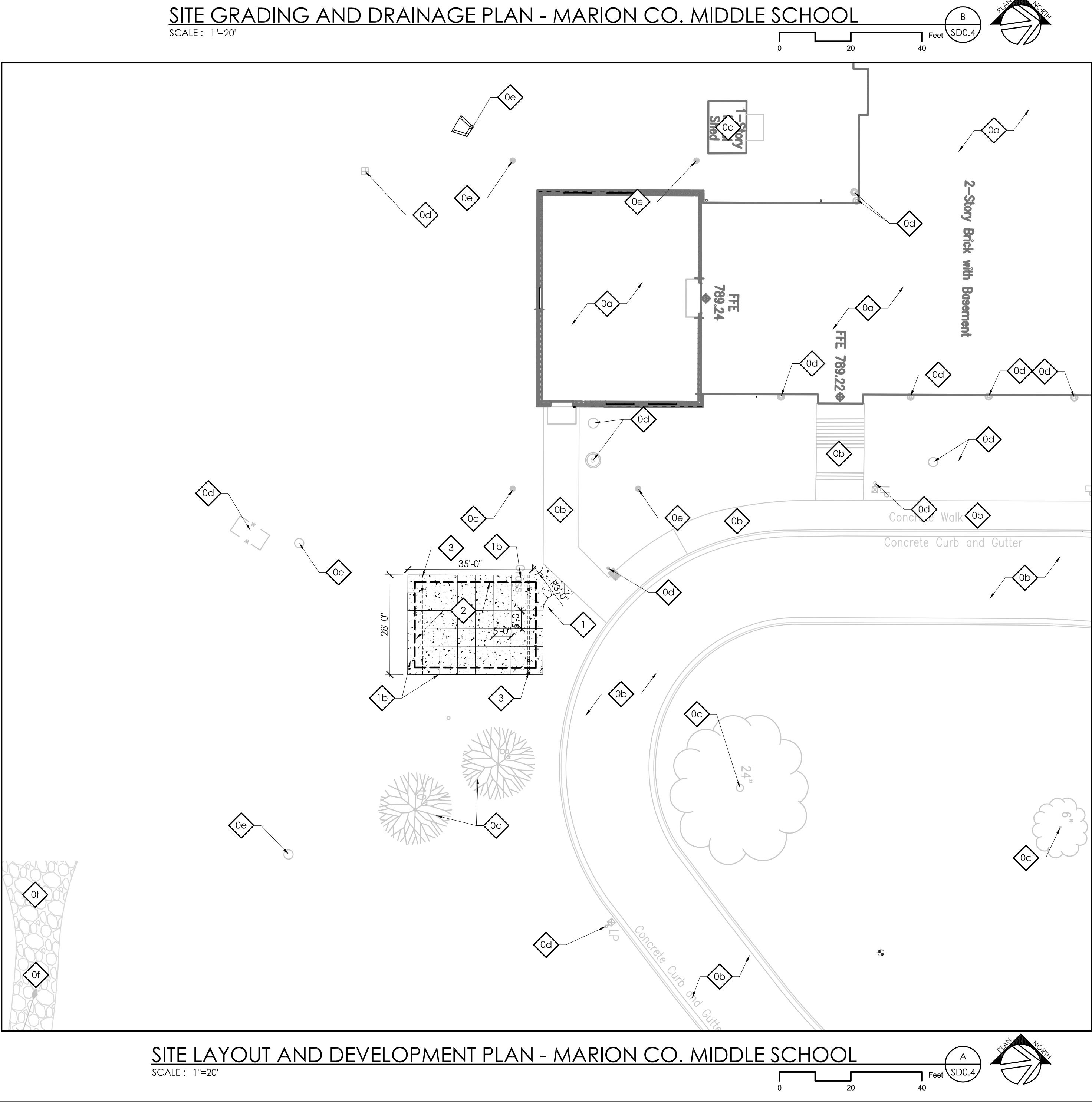
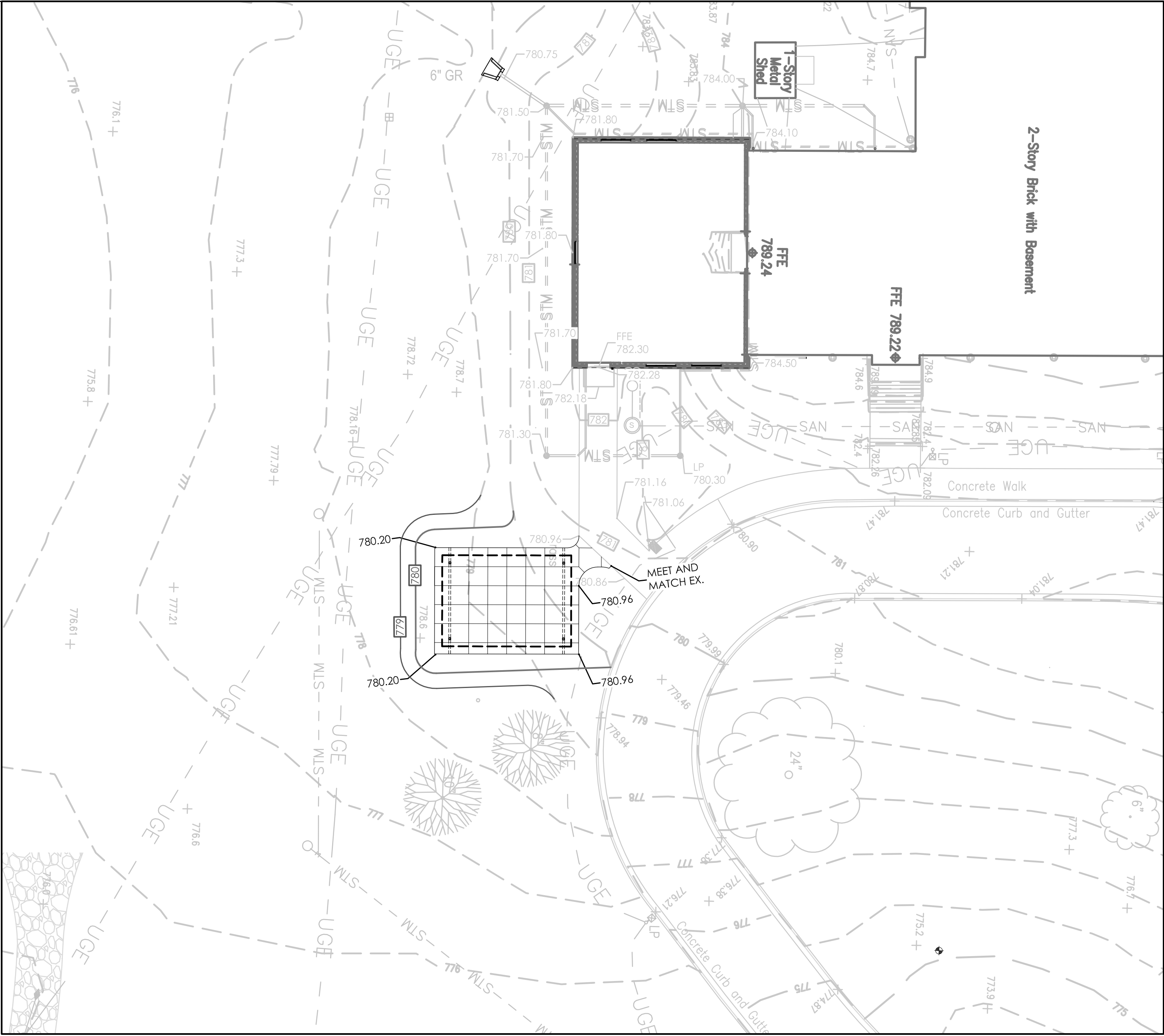
SITE LAYOUT & DEVELOPMENT  
AND GRADING & DRAINAGE  
PLAN - MARION CO. HIGH  
SCHOOL  
DATE ISSUED:  
02/13/2023

rosstarrant  
architects

NOT FOR  
CONSTRUCTION

101 old brayette avenue lebanon, kentucky 40502 p 859.254.4018





SITE DRAINAGE NOTES	GENERAL SITE NOTES
<div>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.</div> <div>2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.</div> <div>3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.</div> <div>4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.</div> <div>5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.</div> <div>6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.</div> <div>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.</div> <div>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.</div>	<div>1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DRAWINGS AND PREVIOUS TOPOGRAPHIC SURVEY. REFER TO PROVIDED SURVEY SHEETS FOR REFERENCE.</div> <div>2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.</div> <div>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.</div> <div>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.</div> <div>5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.</div>
SITE DEVELOPMENT TAGS	<div>8 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.</div> <div>(a) BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.</div> <div>(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.</div> <div>(c) TREE/VEGETATION TO REMAIN.</div> <div>(d) UTILITY TO REMAIN.</div> <div>(e) STORM LINE/STRUCTURE TO REMAIN.</div> <div>(f) GRAVEL PAVING TO REMAIN.</div> <div>(g) FENCING TO REMAIN.</div> <div>(h) PLAYGROUND TO REMAIN.</div> <div>(i) BASKETBALL GOAL TO REMAIN.</div> <div>(j) TURF TO REMAIN.</div> <div>(k) SIGN TO REMAIN.</div> <div>1 CONCRETE PAVEMENT (321313, 321373).</div> <div>(a) CONCRETE SIDEWALK. SEE DETAIL, D/SD4.1.</div> <div>(b) CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1.</div> <div>2 OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.</div> <div>3 FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.</div>
LEGEND	<div> CONCRETE PAVEMENT</div> <div> IJ - ISOLATION JOINT</div> <div> DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.</div> <div> DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1</div>

SITE GRADING NOTES
<div>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.</div> <div>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.</div> <div>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%).</div> <div>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.</div> <div>5. SLOPE PERVIOUS SURFACES MIN. 5% AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.</div> <div>6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.</div> <div>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.</div> <div>8. PROTECT AREAS TO BE SEEDED AS FOLLOWS:<div>A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.</div><div>B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.</div><div>C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.</div><div>D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.</div></div> <div>9. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.</div> <div>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:<div>A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 98%</div><div>B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%</div><div>C) PAVED AREAS AND WALKS - 95%</div><div>D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%</div></div> <div>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.</div> <div>12. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.</div> <div>13. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF OFF-SITE.</div> <div>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.</div> <div>15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.</div>

rosstant architectsbirmingham, kentucky 45202 p.859.254.4018101 old briarclay avenue

NOT FOR CONSTRUCTION

SITE LAYOUT & DEVELOPMENT AND GRADING & DRAINAGE PLAN - MARION CO. MIDDLE SCHOOL

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR: Marion County Board of Education

755 East Main Street Leabnon, Kentucky 40033

BG# 23-328

Project No: 2283

Drawn By: EGS

Rev'd By: KAN, RB

SHEET RELEASE

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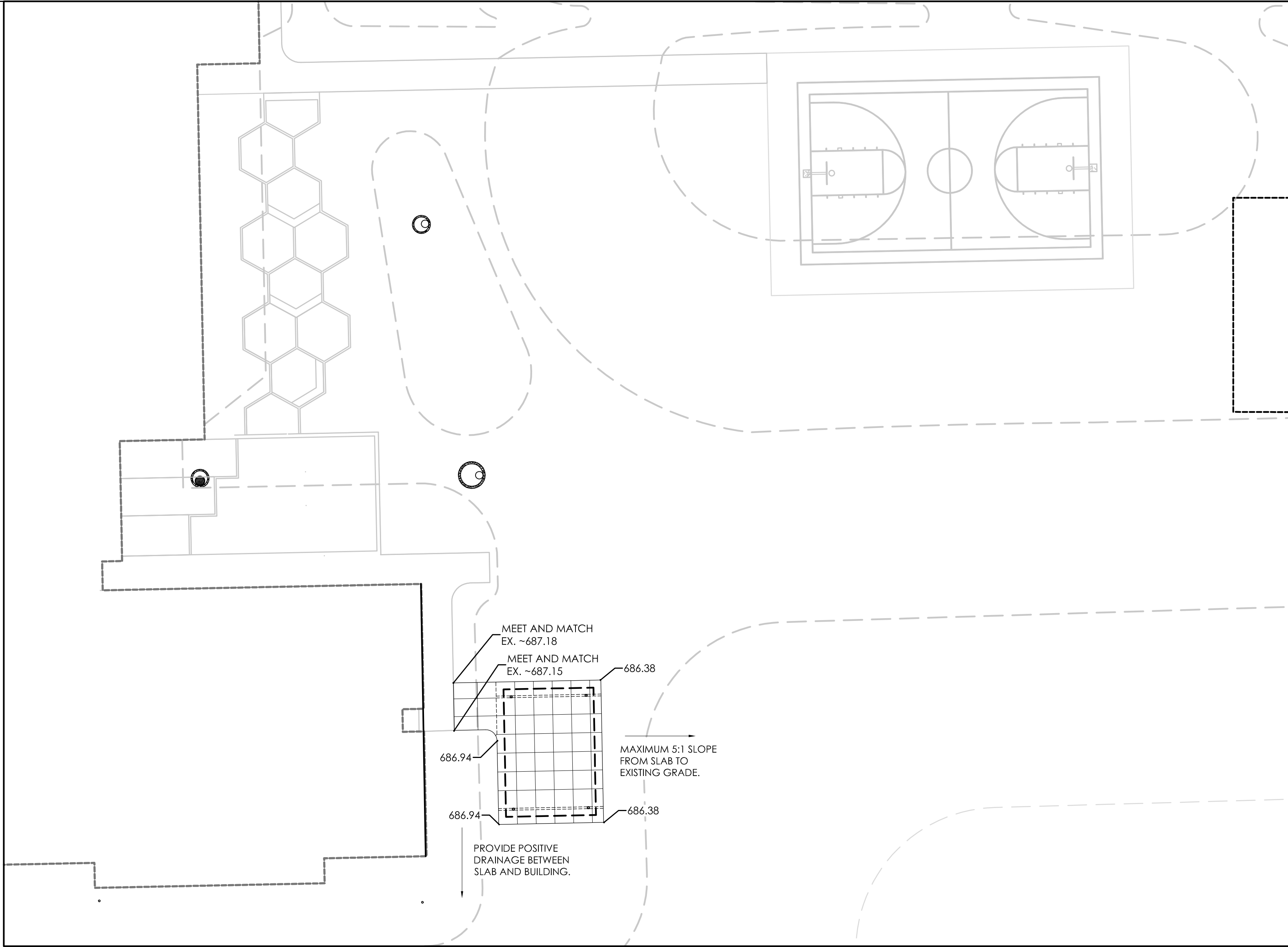
CONSTRUCTION DOCUMENTS

SD1.4

SITE LAYOUT & DEVELOP AND GRADING & DRAINAGE PLAN - MARION CO. MIDDLE SCHOOL

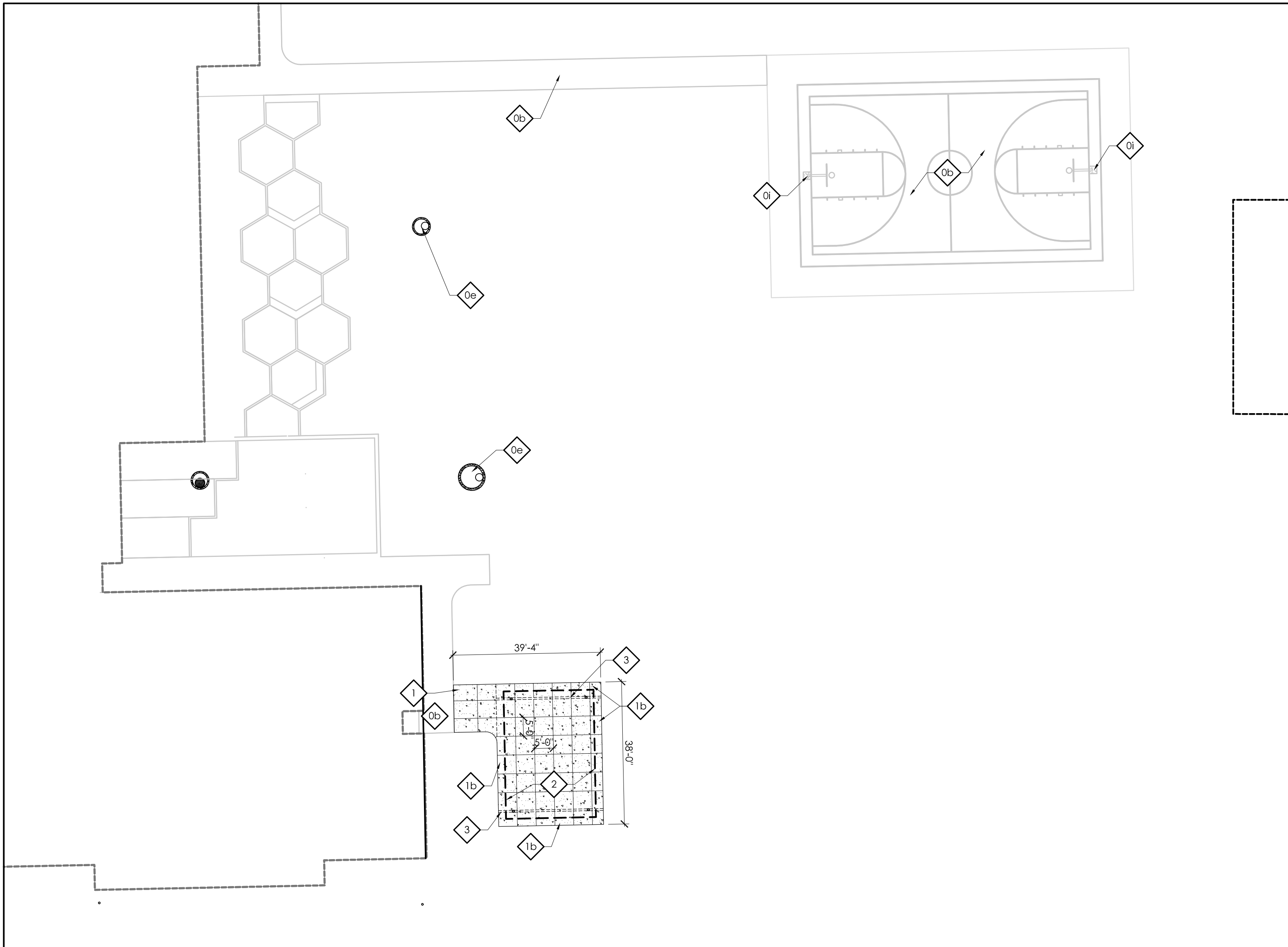
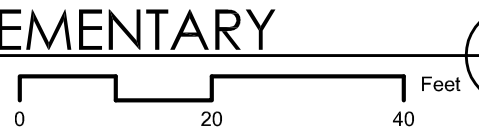
DATE ISSUED: 02/13/2023





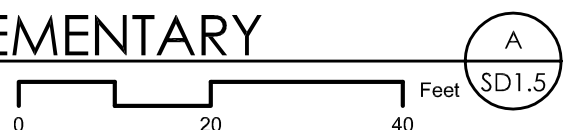
SITE GRADING AND DRAINAGE PLAN - NEW CALVARY ELEMENTARY

SCALE: 1"=20'



SITE LAYOUT AND DEVELOPMENT PLAN - NEW CALVARY ELEMENTARY

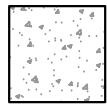
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## SITE DRAINAGE NOTES

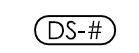
1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL, OR EQUIVALENT AS APPROVED IN THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION 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.
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## LEGEND

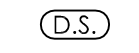


CONCRETE PAVEMENT

IJ - ISOLATION JOINT



DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.



DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1

## GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON AS BUILT DOCUMENTS AND PREVIOUS TOPOGRAPHIC SURVEYS. REFER TO PROVIDED SURVEY SHEETS FOR REFERENCE.
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.

## SITE DEVELOPMENT TAGS



- 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 UNDAAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
  - (c) TREE/VEGETATION TO REMAIN.
  - (d) UTILITY TO REMAIN.
  - (e) STORM LINE/STRUCTURE TO REMAIN.
  - (f) GRAVEL PAVING TO REMAIN.
  - (g) FENCING TO REMAIN.
  - (h) PLAYGROUND TO REMAIN.
  - (i) BASKETBALL GOAL TO REMAIN.
  - (j) TURF TO REMAIN.
  - (k) SIGN TO REMAIN.



- CONCRETE PAVEMENT (321313, 321373).
- (a) CONCRETE SIDEWALK. SEE DETAIL, D/SD4.1.
  - (b) CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1.



- OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.



- FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.

## 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 PVIOUS 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.
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  - A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
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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 - 98%
  - B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%
  - C) PAVED AREAS AND WALKS - 95%
  - D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
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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 OFF-SITE.
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 LAYOUT & DEVELOPMENT AND GRADING & DRAINAGE PLAN - NEW CALVARY ELEMENTARY

MARION COUNTY SCHOOLS OUTDOOR PAVILIONS

FOR:

Marion County Board of Education

755 East Main Street Leabnon, Kentucky 40033

rosstant  
architects

101 old briarcliff avenue leabnon, kentucky 40029 p 859.254.4018

NOT FOR  
CONSTRUCTION

BG# 23-328

Project No: 2283  
Drawn By: EGS  
Rev'd By: KAY, RB

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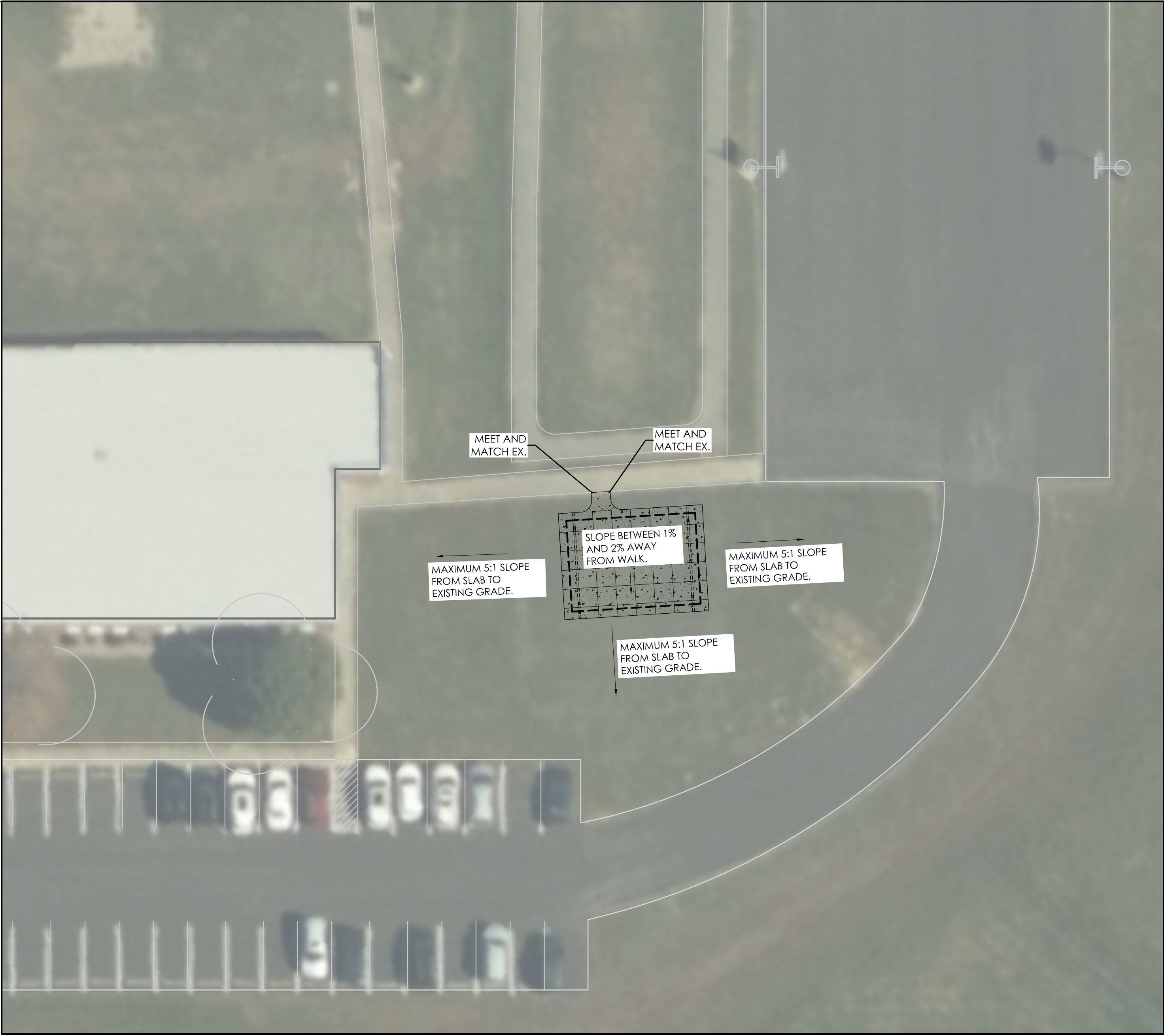
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CONSTRUCTION DOCUMENTS

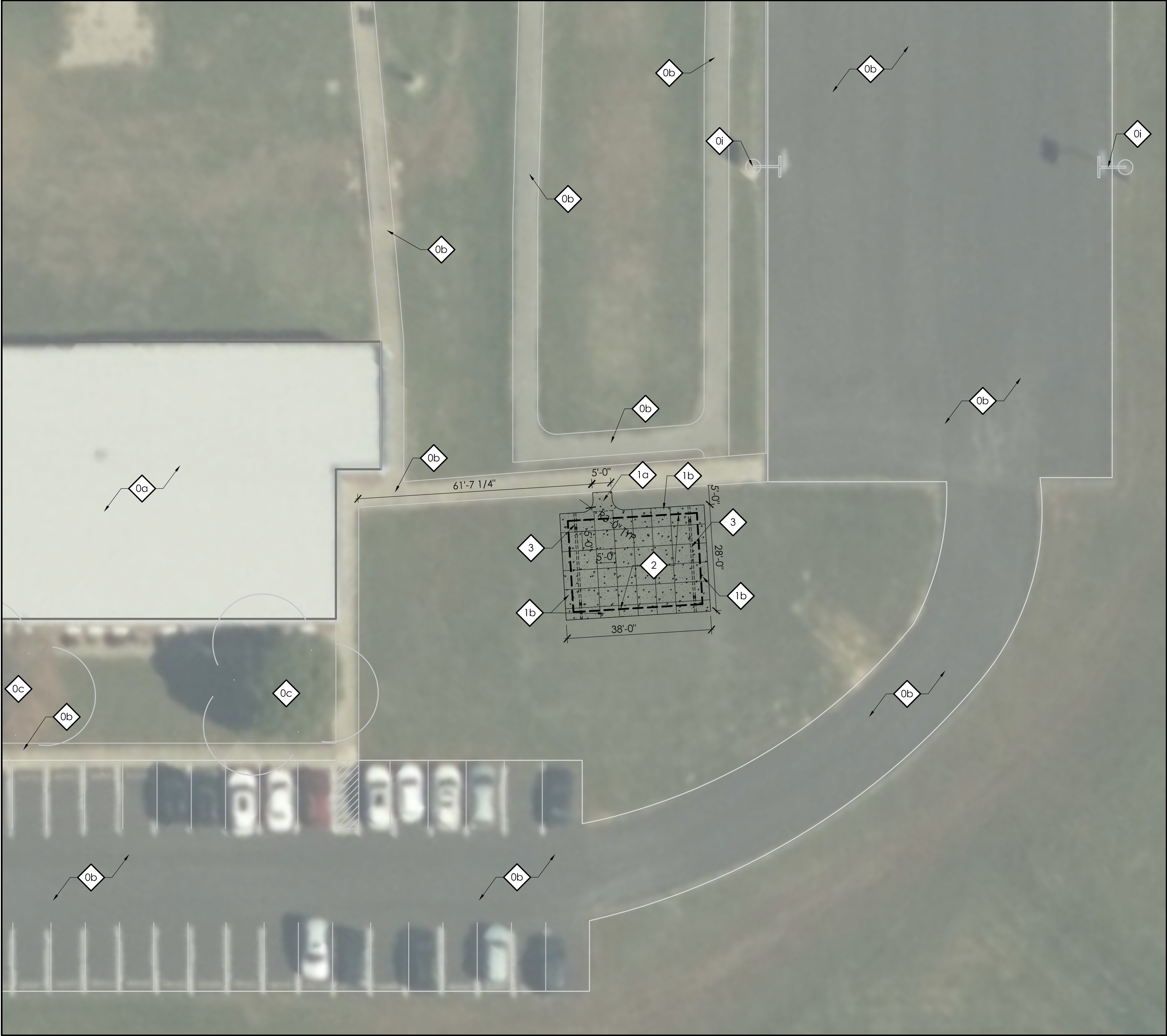
SD1.5

SITE LAYOUT & DEVELOPMENT  
AND GRADING & DRAINAGE  
PLAN - NEW CALVARY  
ELEMENTARY  
DATE ISSUED:  
02/13/2023





SITE GRADING AND DRAINAGE PLAN - WEST MARION  
SCALE : 1"=20'



SITE LAYOUT AND DEVELOPMENT PLAN - WEST MARION  
SCALE : 1"=20'

SITE DRAINAGE NOTES	GENERAL SITE NOTES
<ol style="list-style-type: none"><li>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.</li><li>2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.</li><li>3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.</li><li>4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.</li><li>5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.</li><li>6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.</li><li>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.</li><li>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.</li></ol>	<ol style="list-style-type: none"><li>1. THE SITE PLANS FOR GLASSCOCK ELEMENTARY WERE PREPARED BASED UPON AERIAL PHOTOGRAPHY RETRIEVED FROM GOOGLE EARTH ON 01/18/2023.</li><li>2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.</li><li>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.</li><li>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.</li><li>5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.</li></ol>
LEGEND	SITE DEVELOPMENT TAGS
<p>CONCRETE PAVEMENT</p> <p>IS - ISOLATION JOINT</p> <p>DS-B DRAINAGE STRUCTURE - REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.</p> <p>DS DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1</p>	<p>EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.</p> <p>BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.</p> <p>PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.</p> <p>TREE/VEGETATION TO REMAIN.</p> <p>UTILITY TO REMAIN.</p> <p>STORM LINE/STRUCTURE TO REMAIN.</p> <p>GRAVEL PAVING TO REMAIN.</p> <p>FENCING TO REMAIN.</p> <p>PLAYGROUND TO REMAIN.</p> <p>BASKETBALL GOAL TO REMAIN.</p> <p>TURF TO REMAIN.</p> <p>SIGN TO REMAIN.</p> <p>CONCRETE PAVEMENT (321313, 321373).</p> <p>CONCRETE SIDEWALK. SEE DETAIL, D/SD4.1.</p> <p>CONCRETE SIDEWALK WITH TURN DOWN CURB. SEE DETAIL G/SD4.1.</p> <p>OUTDOOR SHADE STRUCTURE (116813). SEE DETAIL E/SD4.1.</p> <p>FLUSH CONCRETE CURB (321373). SEE DETAIL F/SD4.1.</p>

### 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 - 98%
  - B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%
  - 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 OFF-SITE.
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 LAYOUT & DEVELOPMENT AND GRADING & DRAINAGE PLAN - WEST MARION  
MARION COUNTY SCHOOLS OUTDOOR PAVILIONS  
FOR:  
Marion County Board of Education  
755 East Main Street Leabnon, Kentucky 40033

BG# 23-328

Project No: 2283  
Drawn By: EGS  
Rev'd By: KAN, RB

SHEET RELEASE

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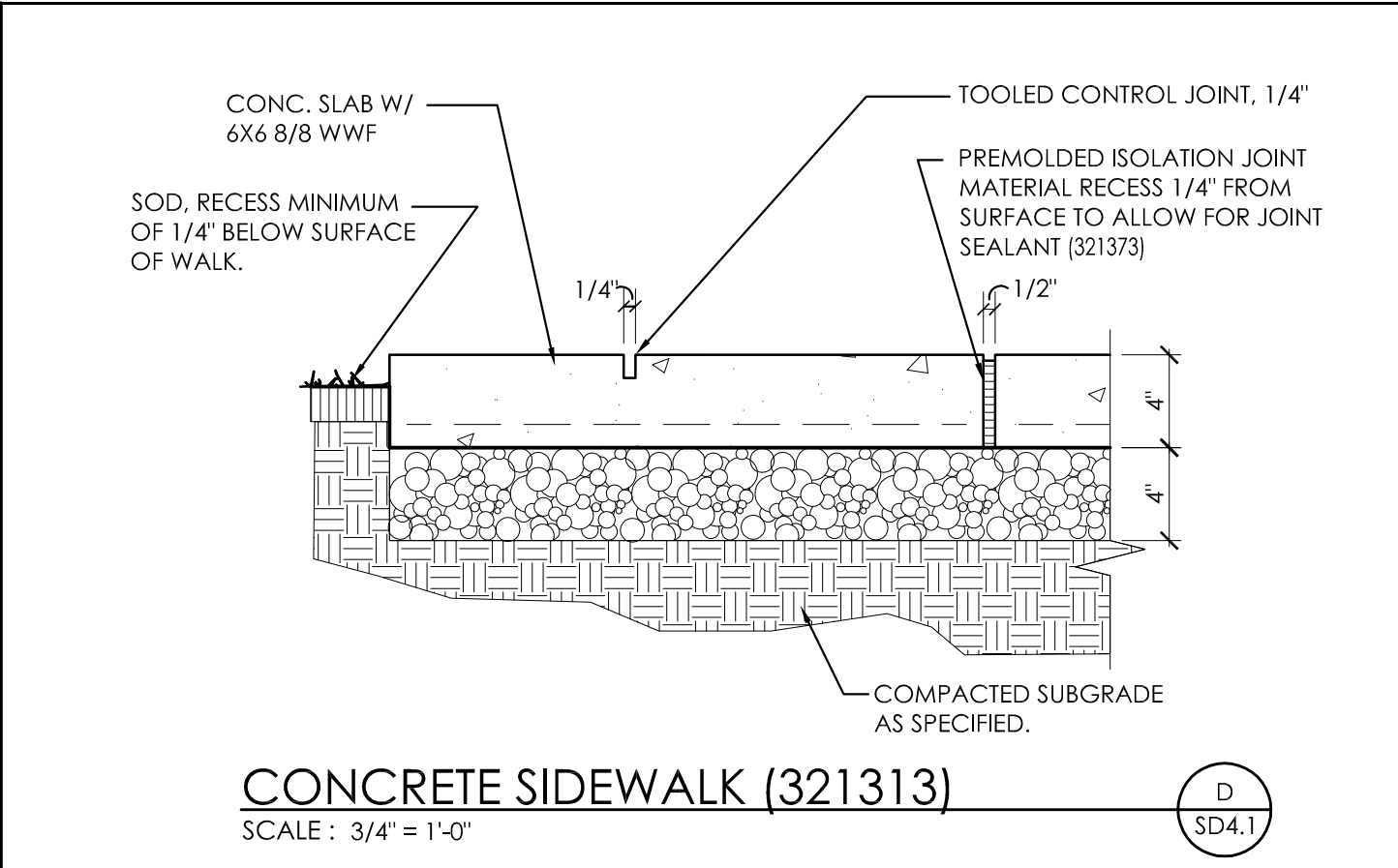
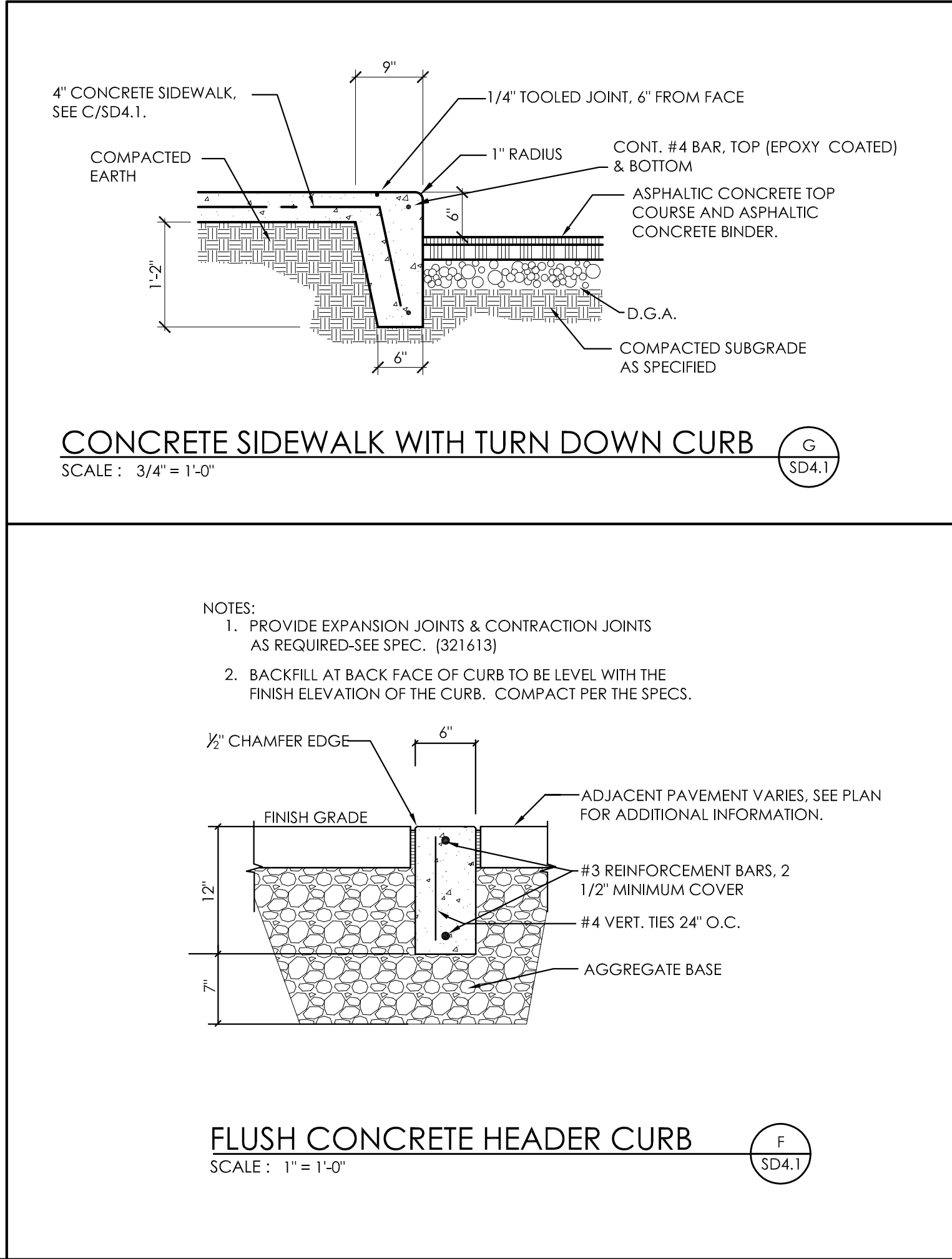
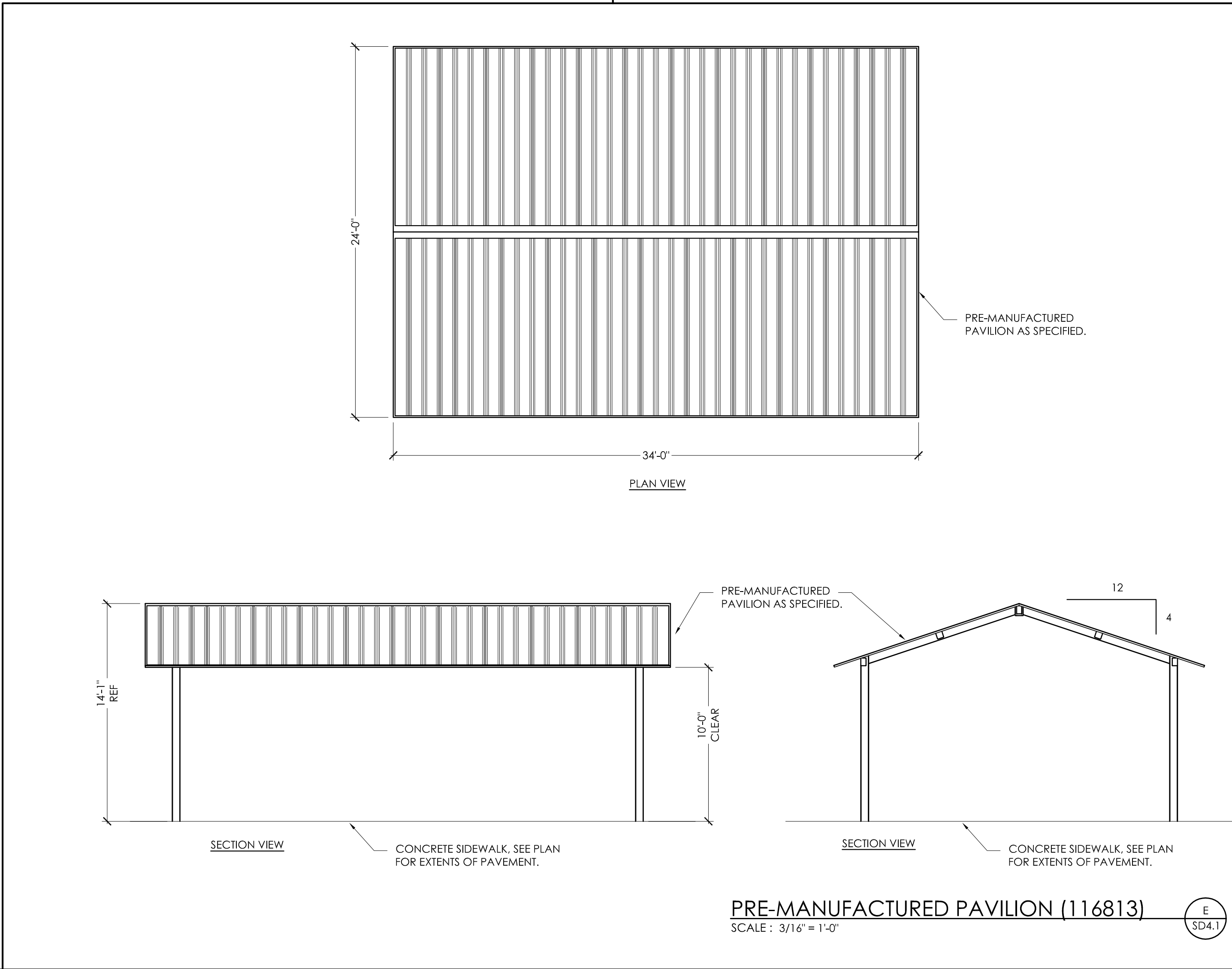
SD1.6  
SITE LAYOUT & DEVELOPMENT  
AND GRADING & DRAINAGE  
PLAN - WEST MARION

DATE ISSUED:  
02/13/2023

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NOT FOR  
CONSTRUCTION





- 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.
- THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREAS TO THE ARCHITECT FOR APPROVAL PRIOR TO ANY CONCRETE PLACEMENT. COORDINATE LOCATION WITH THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN.  
  
LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50-FEET FROM AND STREAM, WETLAND, STORM DRAINS OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOOD PLANE.  
  
SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
- 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.
- 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.
- 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.
- 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.

