

PROJECT ISSUES:	
SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

# CREATIVE LEARNING ACADEMY NEW MIDDLE SCHOOL BUILDING

3151 HYDE PARK RD  
PENSACOLA, FLORIDA 32503

INDEX OF DRAWINGS:

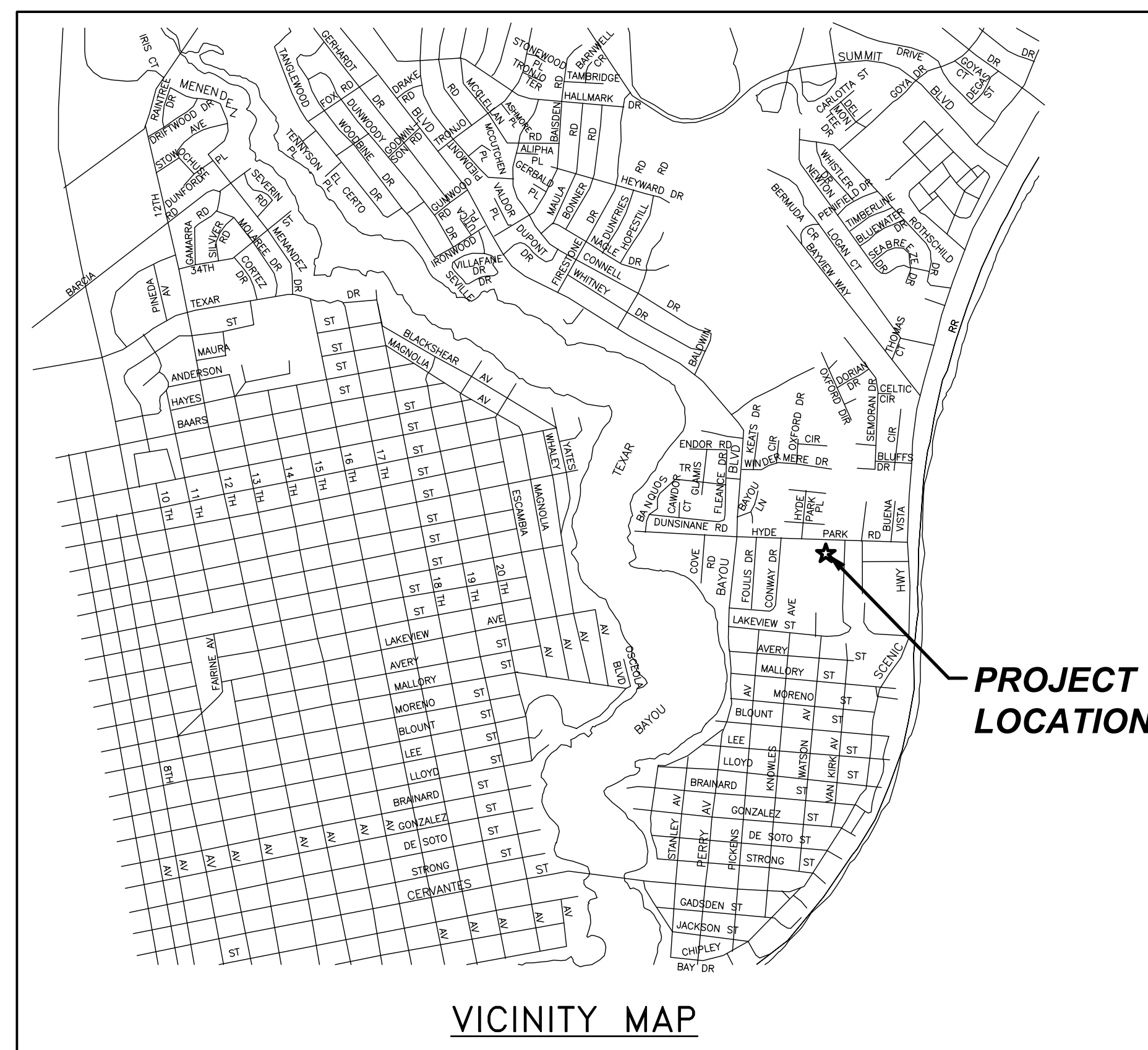
C001	COVER
C002	SITE NOTES & LEGEND
C003	CIVIL NOTES & LEGEND
C004	SWPPP DETAILS
C005	KEY SHEET
C101	EXISTING CONDITIONS & DEMOLITION PLAN
C102	EXISTING CONDITIONS & DEMOLITION PLAN
C201	SITE GEOMETRY
C202	SITE GEOMETRY
C301	UTILITY PLAN
C302	UTILITY PLAN
C401	GRADING & DRAINAGE PLAN
C402	GRADING & DRAINAGE PLAN
C501	DETAILS
C502	DETAILS
C503	DETAILS
C504	DETAILS
C601	LIFT STATION DETAILS

OWNER/DEVELOPER:

CREATIVE LEARNING ACADEMY  
3151 HYDE PARK ROAD  
PENSACOLA, FL 32503  
PHONE: (580) 432-1768

ENGINEER:

KENNETH HORNE & ASSOCIATES, INC.  
7201 N. 9th AVENUE, SUITE 6  
PENSACOLA, FLORIDA 32504  
PHONE: (850) 471-9005



PROJECT TEAM:

<u>CIVIL</u>	KENNETH HORNE & ASSOCIATES
<u>LANDSCAPING</u>	FORME DESIGN GROUP
<u>STRUCTURAL</u>	MCCARTHY ENGINEERING
<u>ARCHITECTURAL</u>	CALDWELL ASSOCIATES
<u>FIRE PROTECTION</u>	H.M. YOUNGE & ASSOCIATES
<u>MECHANICAL/PLUMBING</u>	H.M. YOUNGE & ASSOCIATES
<u>ELECTRICAL</u>	KLOCKE ASSOCIATES

PROJECT:

**CREATIVE LEARNING  
ACADEMY**

**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028  
SHEET TITLE:  
COVER

SHEET NUMBER:

**C001**

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



A  
B  
C  
D  
E  
F  
J  
H  
J  
K  
L  
M

**DESCRIPTION AS FURNISHED:** (OFFICIAL RECORDS BOOK: 1982, PAGE 158)

THE EASTERLY 50 FEET OF THE FOLLOWING DESCRIBED PROPERTY:

COMMENCE AT THE INTERSECTION OF THE SOUTH LINE OF SECTION 2, TOWNSHIP 2 SOUTH, RANGE 29 WEST, ESCAMBIA COUNTY, FLORIDA, AND THE WEST RIGHT OF WAY LINE OF VAN KIRK AVENUE, ACCORDING TO THE PLAT OF EAST PENSACOLA HEIGHTS BY J. R. KAUSER IN 1893 AND RECORDED IN DEED BOOK 77 AT PAGE 520 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE N00°40'00"E ALONG A NORTHERLY EXTENSION OF THE SAID WEST RIGHT OF WAY LINE FOR A DISTANCE OF 693.00 FEET; THENCE S 89°20'00" E FOR A DISTANCE OF 43.34 FEET TO A POINT ON THE ARC OF A CIRCULAR CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1628.64 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 498.92 FEET (CHORD DISTANCE OF 496.98 FEET; CHORD BEARING OF N 14°02'52" W) FOR THE POINT OF BEGINNING; THENCE CONTINUE NORTHERLY ALONG SAID ARC FOR AN ARC DISTANCE OF 100.90 FEET (CHORD DISTANCE OF 100.88 FEET; CHORD BEARING OF N 03°29'49" W) TO THE POINT OF TANGENT OF THE SAID CURVE; THENCE N 01°43'20" W ALONG THE TANGENT OF THE SAID CURVE FOR A DISTANCE OF 214.35 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF HYDE PARK ROAD (100' R/W), SAID POINT BEING ON THE ARC OF A CIRCULAR CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 1339.18 FEET; THENCE WESTERLY ALONG THE ARC OF SAID CURVE (THIS COURSE AND THE NEXT COURSE ARE ALONG THE SAID SOUTH RIGHT OF WAY LINE OF HYDE PARK ROAD) FOR AN ARC DISTANCE OF 15.27 FEET (CHORD DISTANCE OF 15.27 FEET, CHORD BEARING OF S 74°38'36" W) TO THE POINT OF REVERSE CURVE OF A CIRCULAR CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 1169.73 FEET; THENCE WESTERLY ALONG THE ARC OF THE SAID CURVE FOR AN ARC DISTANCE OF 87.03 FEET (CHORD DISTANCE OF 87.01 FEET; CHORD BEARING OF S 76°26'53" W); THENCE S 01°43'20" E FOR A DISTANCE OF 192.91 FEET TO THE POINT OF CURVE OF A CIRCULAR CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 1728.64 FEET; THENCE SOUTHERLY ALONG THE ARC OF THE SAID CURVE FOR AN ARC DISTANCE OF 107.09 FEET (CHORD DISTANCE OF 107.07 FEET; CHORD BEARING OF S 03°29'49" E); THENCE N 84°43'42" E FOR A DISTANCE OF 100.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 0.71 ACRES, MORE OR LESS, AND ALL LYING AND BEING IN SECTION 2, TOWNSHIP 2 SOUTH, RANGE 29 WEST, ESCAMBIA COUNTY, FLORIDA.

**DESCRIPTION AS FURNISHED:** (OFFICIAL RECORDS BOOK: 1982, PAGE 160)

THE WESTERLY 50 FEET OF THE FOLLOWING DESCRIBED PROPERTY:

COMMENCE AT THE INTERSECTION OF THE SOUTH LINE OF SECTION 2, TOWNSHIP 2 SOUTH, RANGE 29 WEST, ESCAMBIA COUNTY, FLORIDA, AND THE WEST RIGHT OF WAY LINE OF VAN KIRK AVENUE, ACCORDING TO THE PLAT OF EAST PENSACOLA HEIGHTS BY J. R. KAUSER IN 1893 AND RECORDED IN DEED BOOK 77 AT PAGE 520 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE N00°40'00"E ALONG A NORTHERLY EXTENSION OF THE SAID WEST RIGHT OF WAY LINE FOR A DISTANCE OF 693.00 FEET; THENCE S 89°20'00" E FOR A DISTANCE OF 43.34 FEET TO A POINT ON THE ARC OF A CIRCULAR CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 1628.64 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 498.92 FEET (CHORD DISTANCE OF 496.98 FEET; CHORD BEARING OF N 14°02'52" W) FOR THE POINT OF BEGINNING; THENCE CONTINUE NORTHERLY ALONG SAID ARC FOR AN ARC DISTANCE OF 100.90 FEET (CHORD DISTANCE OF 100.88 FEET; CHORD BEARING OF N 03°29'49" W) TO THE POINT OF TANGENT OF THE SAID CURVE; THENCE N 01°43'20" W ALONG THE TANGENT OF THE SAID CURVE FOR A DISTANCE OF 214.35 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF HYDE PARK ROAD (100' R/W), SAID POINT BEING ON THE ARC OF A CIRCULAR CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 1339.18 FEET; THENCE WESTERLY ALONG THE ARC OF SAID CURVE (THIS COURSE AND THE NEXT COURSE ARE ALONG THE SAID SOUTH RIGHT OF WAY LINE OF HYDE PARK ROAD) FOR AN ARC DISTANCE OF 15.27 FEET (CHORD DISTANCE OF 15.27 FEET, CHORD BEARING OF S 74°38'36" W) TO THE POINT OF REVERSE CURVE OF A CIRCULAR CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 1169.73 FEET; THENCE WESTERLY ALONG THE ARC OF THE SAID CURVE FOR AN ARC DISTANCE OF 87.03 FEET (CHORD DISTANCE OF 87.01 FEET; CHORD BEARING OF S 76°26'53" W); THENCE S 01°43'20" E FOR A DISTANCE OF 192.91 FEET TO THE POINT OF CURVE OF A CIRCULAR CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 1728.64 FEET; THENCE SOUTHERLY ALONG THE ARC OF THE SAID CURVE FOR AN ARC DISTANCE OF 107.09 FEET (CHORD DISTANCE OF 107.07 FEET; CHORD BEARING OF S 03°29'49" E); THENCE N 84°43'42" E FOR A DISTANCE OF 100.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 0.71 ACRES, MORE OR LESS, AND ALL LYING AND BEING IN SECTION 2, TOWNSHIP 2 SOUTH, RANGE 29 WEST, ESCAMBIA COUNTY, FLORIDA.

**TAX DESCRIPTION:**

BEG AT NE COR OF PPTY IN DB 401 P 151 FOR POB S 89 DEG 20 MIN 00 SEC E (THIS COURSE AND NEXT COURSE ARE ALG SLY R/W LI HYDE PARK RD (100 FT R/W) 1 96/100 FT TO PC OF CIRCULAR CURVE CONCAVE TO N HAVING A RADIUS 1169 73/100 FT E ALG ARC OF SD CURVE 246 77/100 FT (CHORD DIST 246 32/100 FT CHORD BEARING N 84 DEG 37 MIN 22 SEC E) S 01 DEG 43 MIN 20 SEC E (THIS COURSE AND NEXT COURSE ARE ALG W R/W LI PROPOSED 100 FT RD TO BE K/A SPANISH TRL) 192 91/100 FT TO PC OF CIRCULAR CURVE CONCAVE TO E HAVING RADIUS 1728 64/100 FT S ALG ARC OF SD CURVE FOR ARC DIST 254 52/100 FT (CHORD DIST 254 30/100 FT CHORD BEARING S 05 DEG 56 MIN 25 SEC E) S 00 DEG 42 MIN 10 SEC W 81 54/100 FT TO NE COR PPTY US GOVT & CITY N 89 DEG 18 MIN 35 SEC W ALG N LI OF GOVT & CITY PPTY 284 FT TO SE COR OF PPTY IN DB 401 P 151 N 00 DEG 39 MIN 15 SEC E ALG E LI SD PPTY 500 87/100 FT TO POB

**SITE NOTES:**

- 1. THE BEARINGS AS SHOWN HEREON ARE REFERENCED TO THE ASSUMED BEARING OF NORTH 00 DEGREES 39 MINUTES 15 SECONDS EAST ALONG THE WEST LINE OF THE PROPERTY AS PER THE DESCRIPTION AS FURNISHED.
- 2. THE SURVEY DATUM AS SHOWN HEREON IS REFERENCED TO THE DESCRIPTION AS FURNISHED AND TO EXISTING FIELD MONUMENTATION.
- 3. NO TITLE SEARCH WAS PROVIDED TO NOR PERFORMED BY NORTHWEST FLORIDA LAND SURVEYING, INC., FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, STATE AND/OR FEDERAL JURISDICTIONAL AREAS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE SUBJECT PROPERTY.
- 4. THE PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE "X", OUTSIDE 0.2% ANNUAL CHANCE OF FLOOD, AS DETERMINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA (UNINCORPORATED AREAS), MAP NUMBER 12033C 0383 G, REVISED SEPTEMBER 19, 2006.
- 5. THIS SURVEY DOES NOT DETERMINE OWNERSHIP.
- 6. THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J-17.051 - 5J-17.053 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, TO THE BEST OF MY KNOWLEDGE AND BELIEF.
- 7. THE MEASUREMENTS AS SHOWN HEREON WERE MADE TO UNITED STATES STANDARDS.
- 8. THE MEASUREMENTS OF THE BUILDINGS AND/OR FOUNDATIONS SHOWN HEREON DO NOT INCLUDE CONCRETE FOOTERS OR EAVE OVERHANGS.
- 9. FENCE LOCATIONS SHOWN HEREON MAY BE EXAGGERATED AND NOT TO SCALE FOR CLARITY PURPOSES
- 10. FEDERAL AND STATE COPYRIGHT ACTS PROTECT THIS MAP FROM UNAUTHORIZED USE. THIS MAP IS NOT TO BE COPIED OR REPRODUCED IN WHOLE OR PART AND IS NOT TO BE USED FOR THE BENEFIT OF ANY OTHER PERSON, COMPANY OR FIRM, WITHOUT PRIOR WRITTEN CONSENT OF THE COPYRIGHT OWNER, FRED R. THOMPSON, AND IS TO BE RETURNED TO OWNER UPON REQUEST.
- 11. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY ISSUED ON THE SURVEY DATE WITH A RAISED SEAL TO INSURE THE ACCURACY OF THE INFORMATION AND TO FURTHER INSURE THAT NO CHANGES, ALTERATIONS OR MODIFICATIONS HAVE BEEN MADE. NO RELIANCE SHOULD BE MADE ON A DOCUMENT TRANSMITTED BY COMPUTER OR OTHER ELECTRONIC MEANS UNLESS FIRST COMPARED TO THE ORIGINAL SIGNED AND SEALED DOCUMENT.
- 12. THIS SURVEY MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS BY COUNTY, STATE OR OTHER AGENCIES.
- 13. ENCROACHMENTS ARE AS SHOWN.
- 14. THE PURPOSE OF THIS SURVEY IS TO RETRACE AND MONUMENT THE DEED OF RECORD ON THE GROUND AS WELL AS LOCATE ON SITE IMPROVEMENTS, EVIDENCE OF POSSESSION, AND ENCROACHMENTS TO BE SHOWN ON THE SURVEY TO SCALE AND THEIR RELATIONSHIP TO THE BOUNDARY.
- 15. THE ELEVATIONS AS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988, FROM ESCAMBIA COUNTY GEODETIC CONTROL POINT STAMPED "ESC 4075" HAVING A PUBLISHED ELEVATION OF 109.05 FEET. BASED ON ESCAMBIA COUNTY, FLORIDA GPS NETWORK SURVEY PREFORMED BY BASKERVILLE DONOVAN, INC. DATED 10/15/97.

**DENOTES:**

- ⊗ ~ 1/2" CAPPED IRON ROD, NUMBERED 7277 (PLACED)
- ~ 1/2" CAPPED IRON ROD, NUMBERED 4882 (FOUND)
- ⊙ ~ 1/2" CAPPED IRON ROD, NUMBERED XXXX (FOUND)
- (D) ~ DEED INFORMATION
- (F) ~ FIELD INFORMATION
- R/W ~ RIGHT OF WAY
- P.C. ~ POINT OF CURVATURE
- P.T. ~ POINT OF TANGENCY
- P.O.B. ~ POINT OF BEGINNING



**BENCHMARK DATA:**

- BM~1 NAIL AND DISK IN ASPHALT ROAD ELEVATION= 55.91' (NAVD88)
- BM~2 NAIL AND DISK IN ASPHALT ROAD ELEVATION= 52.09' (NAVD88)
- BM~3 RED CAPPED IRON ROD ELEVATION= 50.12' (NAVD88)
- BM~4 RED CAPPED IRON ROD ELEVATION= 47.75' (NAVD88)

**EXISTING CONDITIONS LEGEND:**

- GV ~ GAS VALVE
- WV ~ WATER VALVE
- WM ~ WATER METER
- SWDI ~ STORM WATER DROP INLET
- SDMH ~ STORM DRAIN MANHOLE
- SSMH ~ SANITARY SEWER MANHOLE
- SV ~ SEWER VALVE
- BFOB ~ BURIED FIBER OPTIC BOX
- BSB ~ BELL SOUTH BOX
- AT&T ~ AT&T PEDISTAL
- TR ~ TRANSFORMER
- UP ~ UTILITY POLE
- GA ~ GUY ANCHOR
- SIGN ~ SIGN
- BFD ~ BACKFLOW PREVENTION DEVICE
- LP ~ LIGHT POLE

**SPECIAL LINES:**

- SS ~ SANITARY SEWER
- W ~ WATER SERVICE
- SW ~ STORM WATER
- BFO ~ BURIED FIBER OPTICS
- GAS ~ NATURAL GAS
- USE ~ UNDERGROUND ELECTRICAL
- PL ~ PROPERTY LINE
- SL ~ SETBACK LINE

**PROJECT ISSUES:**

- SCHEMATIC DESIGN: 06/25/2023
- DESIGN DEVELOPMENT: 08/21/2023
- 100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPING: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YOUNGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YOUNGE & ASSOCIATES
- ELECTRICAL: KLOCKE ASSOCIATES

**PROJECT: CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD. PENSACOLA, FL**

PROJECT NO.: 22028  
SHEET TITLE: SITE NOTES & LEGEND

SHEET NUMBER:

C002

KH&A Kenneth Horne & Associates, Inc. CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



A  
B  
C  
D  
E  
F  
J  
H  
J  
K  
L  
M

**ENGINEER:**

KENNETH HORNE & ASSOCIATES, INC.  
7201 N. 9th AVENUE, SUITE 6  
PENSACOLA, FLORIDA 32504  
PHONE: (850) 471-9005

**SURVEYOR:**

NORTHWEST FLORIDA LAND SURVEYING, INC.  
479 N PACE BOULEVARD  
PENSACOLA, FLORIDA 32505  
PHONE: (850) 432-1052

**EROSION CONTROL NOTES:**

- HAY BALES OR SILT FENCE SHALL BE PLACED AS REQUIRED. POSTS FOR SILT FENCE SHALL BE AT A DEPTH TO RESIST OVERTURNING, THE BOTTOM EDGE OF THE FABRIC SHALL BE BELOW GRADE AND COVERED WITH SOIL. SUPPLEMENT WITH HAY BALES AS REQUIRED TO PREVENT THE PASSAGE OF SOIL MATERIALS. HAY BALES ARE TO BE PROPERLY PLACED AND STAKED. (SEE TYPICAL DETAILS)
- ISOLATED AREAS OF CONSTRUCTION MAY NEED TO BE ADDRESSED BY THE CONTRACTOR AS FIELD CONDITIONS DICTATE.
- UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE STABILIZED WITH SOD.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT EROSION CONTROL MEASURES USED ARE MAINTAINED AND FULLY FUNCTIONAL DURING RAINFALL EVENTS.
- NO SITE WORK ACTIVITIES SHALL TAKE PLACE WITHOUT CITY SITE REVIEW/APPROVAL OF PROPOSED EROSION CONTROL MEASURES & ADVANCED NOTIFICATION OF THE REQUESTED INSPECTION IS REQUIRED.

**SITE DATA:**

PROPERTY REFERENCE NO: 33-1S-30-7101-004-001

PROPERTY ADDRESS:  
3151 HYDE PARK ROAD  
PENSACOLA, FL 32503

ZONING: SINGLE FAMILY (R-2A)

FLU: LDR (LOW DENSITY RESIDENTIAL)

FLOOD ZONE: "X"

**GENERAL NOTES:**

- ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CITY OF PENSACOLA STANDARDS.
- THE CONTRACTOR IS ADVISED TO FAMILIARIZE HIMSELF WITH THE SITE PRIOR TO BIDDING. COORDINATE VISIT WITH OWNER.
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES WITH VARIOUS UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FILE A "NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES." CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THIS PERMIT THROUGHOUT THE COURSE OF CONSTRUCTION.
- THE GENERAL CONTRACTOR IS TO MAINTAIN (CUT AND WATER) THE VEGETATION INSIDE THE CONSTRUCTION FENCE DURING ENTIRE CONSTRUCTION.
- TEMPORARY SECURITY FENCE AND ALL REMNANTS THEREOF SHALL BE REMOVED WHEN PROJECT IS COMPLETE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER OF RECORD WILL ASSIST CONTRACTOR WITH ANY REQUIRED PERMITS.
- ROLL GRADE BEFORE AND ROLL SOD AFTER PLACEMENT TO ENSURE SMOOTH FINAL GRADE. NO RUTTING WILL BE ACCEPTABLE AT PROJECT CLOSE-OUT.

**UTILITY NOTES:**

- CONTRACTOR SHALL LOCATE, SUPPORT & PROTECT EXISTING UTILITIES TO REMAIN, AS REQUIRED. ALL KNOWN UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL UTILIZE GROUND PENETRATING RADAR OR EQUIVALENT TO LOCATE ALL EXISTING UTILITIES WITHIN ALL AREAS OF CONSTRUCTION. CONTRACTOR SHALL CONFIRM HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES TO BE RELOCATED AND/OR IN DIRECT CONFLICT WITH CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT THE ECSD FACILITY DEPT. A MINIMUM OF 48 BUSINESS HOURS PRIOR TO COMMENCEMENT OF ALL UTILITY LOCATIONS TO COORDINATE THIS WORK.
- IF EXISTING UTILITY LINES ABOVE OR BELOW GROUND ARE DISTURBED DUE TO CONSTRUCTION ACTIVITY THEY WILL BE RELOCATED AS PER UTILITY OWNER AND OWNER REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY THE OWNER FORTY-EIGHT HOURS PRIOR TO BEGINNING CONSTRUCTION.
- LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTHS BEFORE BEGINNING CONSTRUCTION. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PRESERVING AND PROTECTING SAID UTILITIES OR STRUCTURES.
- CONTRACTOR SHALL HAUL AWAY ALL EXCESS MATERIAL AND DEBRIS AND DISPOSE OF OFFSITE IN A LEGAL MANNER.
- FOR STAGING, EQUIPMENT STORAGE, EMPLOYEE PARKING, AND SITE ACCESS, COORDINATE WITH OWNER.
- PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, DRAINS, WATER OR GAS PIPES, ELECTRICAL, CONDUITS, POLES, WALLS, POST, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED UNLESS NOTED.
- THE CONTRACTOR SHALL LOCATE AND MARK THE EXISTING ON-SITE SANITARY SEWER EASEMENT. THE EXISTING SANITARY MAIN AND ASSOCIATED INFRASTRUCTURE SHALL BE PROTECTED FOR THE DURATION OF CONSTRUCTION.

**STORMWATER NOTES:**

- NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
- ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE SODDED TO MATCH EXISTING CONDITIONS.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPOGRAPHY OF DRAINAGE SYSTEMS, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN RIGHT-OF-WAY; 1-800-432-4770.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN-OFF.

**NEW WORK LEGEND:**

- ~ WATER VALVE
- ~ WATER METER
- ~ BACKFLOW PREVENTER (BFP)
- ~ FIRE DEPARTMENT CONNECTION (FDC)
- ~ FIRE HYDRANT
- ~ STORM DRAIN INLET
- ~ STORM DRAIN PIPE
- ~ SANITARY SEWER MANHOLE
- ~ SILT FENCE

**CIVIL ABBREVIATIONS:**

- STA ~ STATION
- OFF ~ OFFSET
- BL ~ BASELINE
- TYP ~ TYPICAL
- EXIST ~ EXISTING
- EG ~ EXISTING GRADE
- FG ~ FINISHED GRADE
- HORIZ ~ HORIZONTAL
- VERT ~ VERTICAL
- MIN ~ MINIMUM
- MAX ~ MAXIMUM
- INV ~ INVERT
- FFE ~ FINISHED FLOOR ELEVATION
- EL ~ ELEVATION
- W/ ~ WITH
- ALUM ~ ALUMINUM
- CONC ~ CONCRETE
- RCP ~ REINFORCED CONCRETE PIPE
- HDPE ~ HIGH DENSITY POLYETHYLENE
- PVC ~ POLYVINYL CHLORIDE
- CA ~ CLAY ASBESTOS
- CI ~ CAST IRON
- SCH ~ SCHEDULE
- GA ~ GAUGE
- O/C ~ ON CENTER
- EXP ~ EXPANSION
- EJ ~ EXPANSION JOINT
- CJ ~ CONSTRUCTION JOINT
- WWF ~ WELDED WIRE FABRIC
- COORD ~ COORDINATE
- ME ~ MATCH EXISTING
- WTR ~ WATER
- DOMW ~ DOMESTIC WATER
- BFP ~ BACKFLOW PREVENTER
- FDC ~ FIRE DEPARTMENT CONNECTION
- FH ~ FIRE HYDRANT
- DCDA ~ DOUBLE CHECK DETECTOR ASSEMBLY
- SS ~ SANITARY SEWER (OR STAINLESS STEEL)
- CO ~ CLEAN OUT
- FM ~ FORCE MAIN
- ARCH ~ ARCHITECT
- DWGS ~ DRAWINGS
- BLDG ~ BUILDING
- Ø ~ DIAMETER
- DIA ~ DIAMETER
- EA ~ EACH
- ASTM ~ AMERICAN SOCIETY FOR TESTING AND MATERIALS
- FDOT ~ FLORIDA DEPARTMENT OF TRANSPORTATION
- ECUA ~ EMERALD COAST UTILITIES AUTHORITY
- STD ~ STANDARD
- REQ'D ~ REQUIRED
- MH ~ MANHOLE
- DBI ~ DITCH BOTTOM INLET
- MES ~ MITERED END SECTION
- CC ~ CONTROL CENTER
- SQ ~ SQUARE
- SY ~ SQUARE YARD
- CY ~ CUBIC YARD
- LF ~ LINEAR FEET
- GPM ~ GALLONS PER MINUTE
- FT ~ FEET
- HP ~ HORSEPOWER
- V ~ VOLT
- PSI ~ POUNDS PER SQUARE INCH
- PSF ~ POUNDS PER SQUARE FOOT
- SUBM ~ SUBMERSIBLE
- ASSY ~ ASSEMBLY
- AUX ~ AUXILIARY
- EQ ~ EQUIVALENT
- SWPPP ~ STORMWATER POLLUTION PREVENTION



116 N TARRAGONA STREET, PENSACOLA, FL 32502  
(850) 432 9500 | CALDWELL-ASSOC.COM  
License No: AR0007462 | License No: ID0003848

**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

**PROJECT TEAM:**

- CIVIL**
- KENNETH HORNE & ASSOCIATES
- LANDSCAPING**
- FORME DESIGN GROUP
- STRUCTURAL**
- MCCARTHY ENGINEERING
- ARCHITECTURAL**
- CALDWELL ASSOCIATES
- FIRE PROTECTION**
- H.M. YOUNGE & ASSOCIATES
- MECHANICAL/PLUMBING**
- H.M. YOUNGE & ASSOCIATES
- ELECTRICAL**
- KLOCKE ASSOCIATES

**PROJECT:**

**CREATIVE LEARNING ACADEMY**

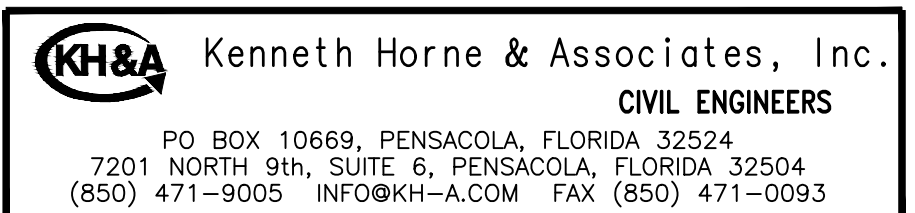
**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028

SHEET TITLE:  
CIVIL NOTES & LEGEND

SHEET NUMBER:

**C003**



PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:18 PM



**STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES  
& DETAILS FOR SOIL EROSION AND SEDIMENT CONTROL**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 20 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING, IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
3. PERMANENT VEGETATION TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
4. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
5. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.
7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
8. A CRUSHED LIMESTONE, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE CONTRACTOR'S STAGING YARD AND/OR STOCKPILE AREAS TO PREVENT OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PUBLIC ROADS. BLANKET SHALL BE 15FT. X 50FT. X 6IN. (MINIMUM), CRUSHED LIMESTONE 2 1/2 INCHES IN DIAMETER. SAID BLANKET SHALL BE UNDERLAIN WITH A FDOT CLASS 3 SYNTHETIC FILTER FABRIC AND MAINTAINED IN GOOD ORDER.
9. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
10. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
11. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
12. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
13. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
15. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
16. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
17. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
18. ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH HAY BALES AS SHOWN ON DETAIL.
19. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION.
20. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, SHRIARY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
21. THE CONTRACTOR'S MEANS AND METHODS OF GROUNDWATER DEWATERING SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY".

\* WHERE APPLICABLE

**TEMPORARY SEEDING DETAILS**

**SEED BED PREPARATION**  
SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5. LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

**SEED MIXTURE**  
CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS/ACRE.

**PERMANENT SEEDING DETAILS**

**SEED BED PREPARATION**  
SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5. LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

SEED MIXTURE CONSISTING OF	RATE	PURITY	GERMINATION
ARGENTINE BAHIA	260 LBS/AC.	95%	80% 40%(MIN.)-80
PENSACOLA BAHIA	260 LBS/AC.	95%	%(TOTAL)

**SODDING**

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALY CUT TO A MINIMUM DIMENSION OF 12" X 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH AND UNINJURED, REASONABLY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

**TRAFFIC CONTROL STANDARDS**

1. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO ONSITE ACCESS BY MEANS SO DESIGNATED BY THE ENGINEER, POLICE/SHERIFF DEPARTMENT, ESCAMBIA COUNTY HIGHWAY DEPARTMENT, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION.
2. TRAFFIC DURING WET WEATHER SHALL BE MINIMIZED AND APPROPRIATE ROADWAY AND SITE CLEAN-UP SHALL BE PROVIDED BY THE CONTRACTOR AS SOON AS WEATHER CONDITIONS PERMIT.

**TREE PROTECTION**

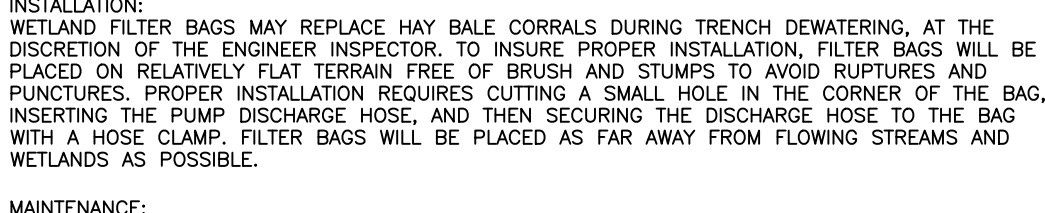
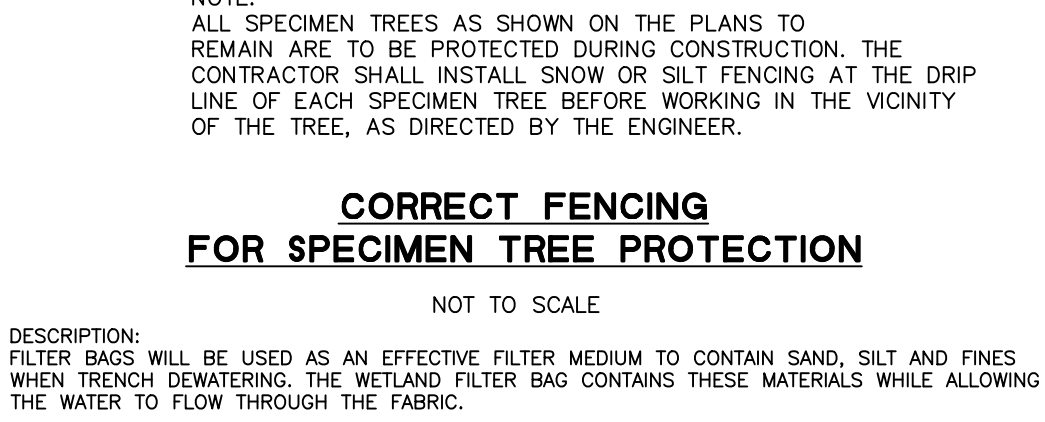
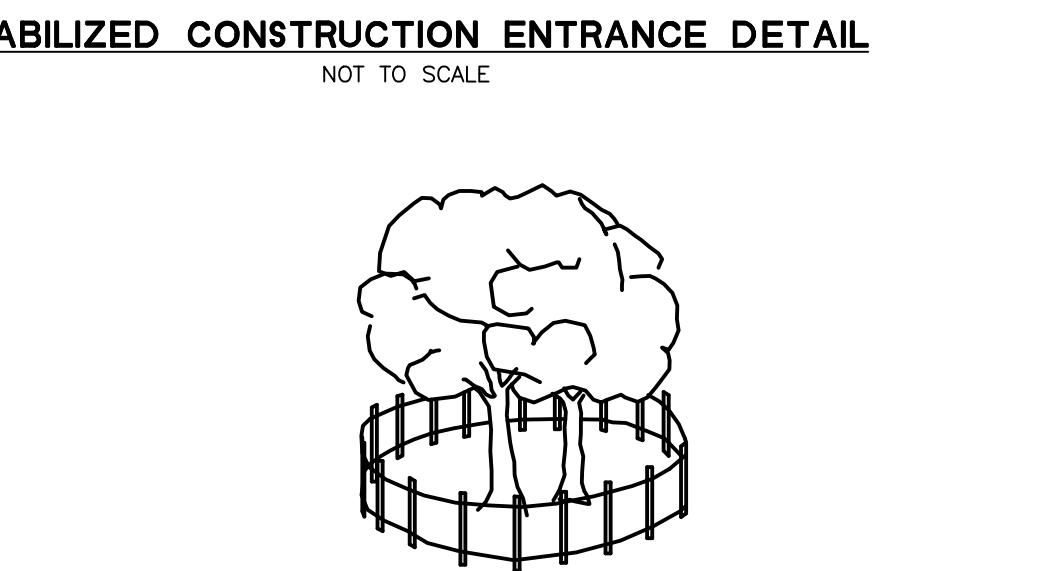
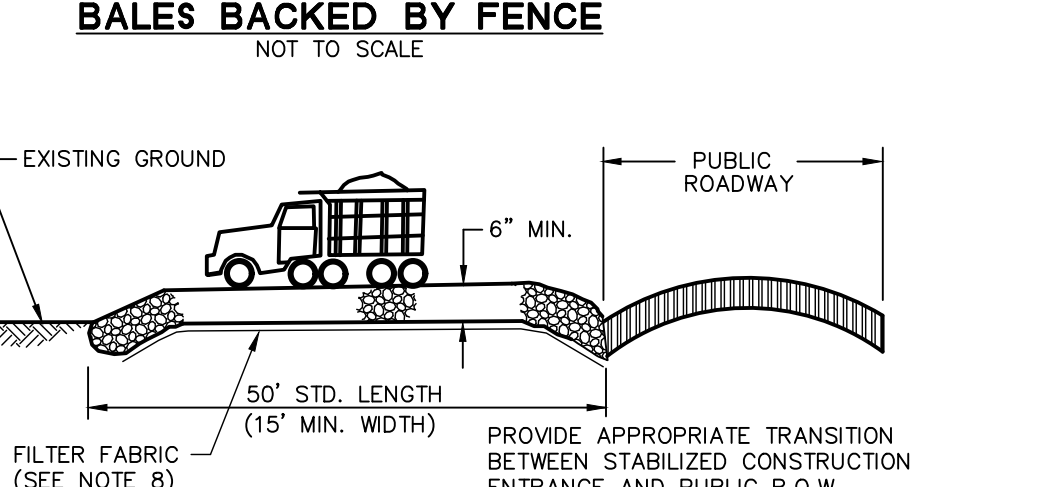
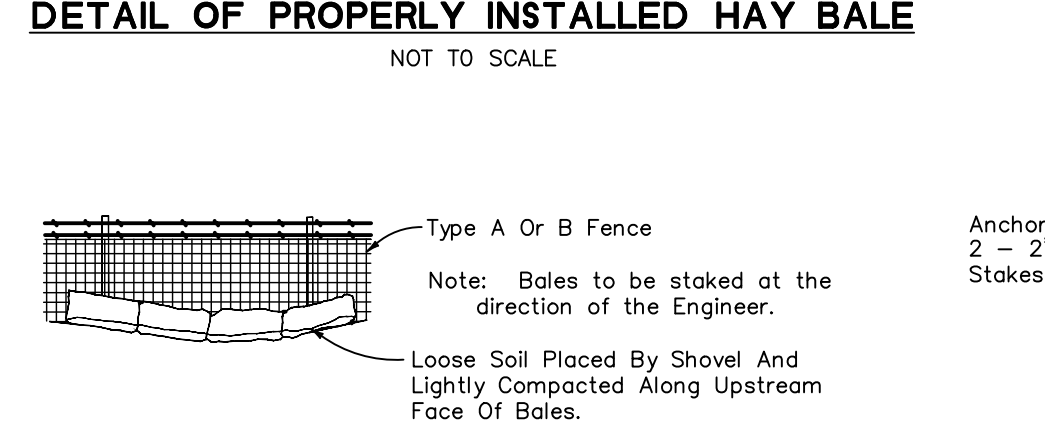
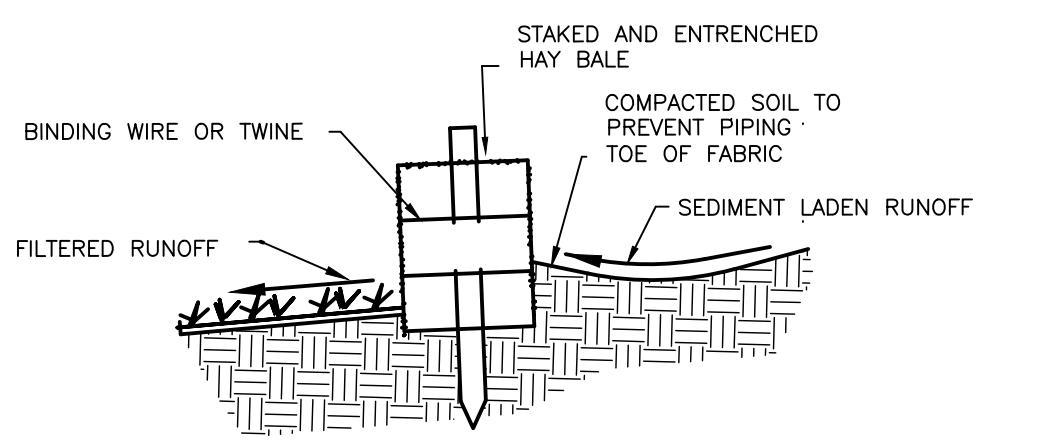
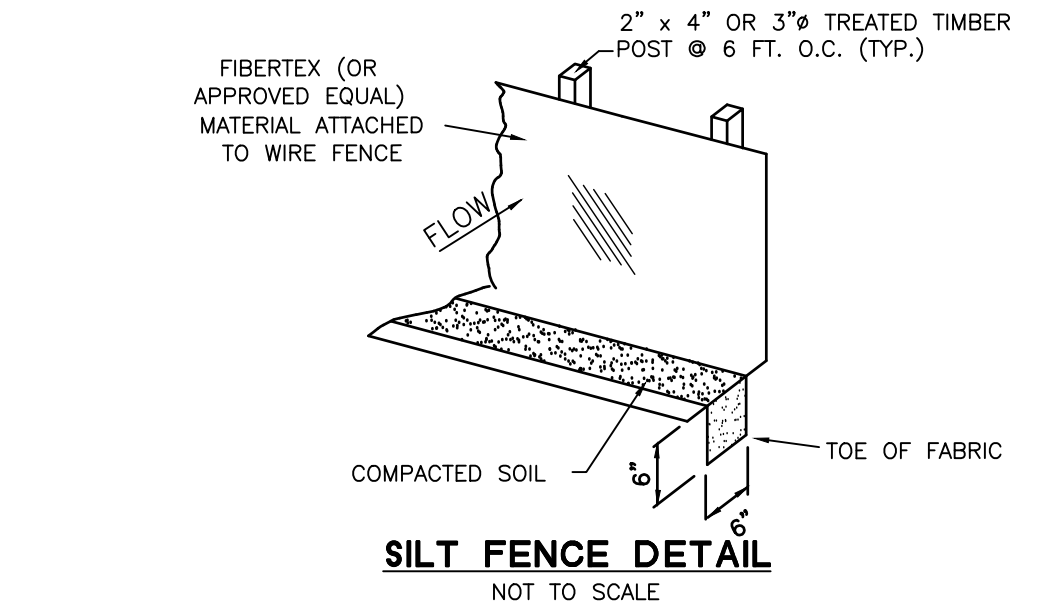
1. DAMAGED TRUNKS OR EXPOSED ROOTS WILL BE PAINTED IMMEDIATELY WITH A QUALITY GRADE OF "TREE PAINT".
2. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT AREA PAINTED IMMEDIATELY WITH A QUALITY GRADE OF TREE PAINT.

**DUST CONTROL**

1. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.
2. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADE CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.
3. IN EVENT OF EMERGENCY CONDITIONS, TILLAGE WILL BE SATISFACTORY FREE BEFORE SOIL BLOWING STARTS.
4. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 102-5, LATEST EDITION.

**PROPOSED SEQUENCE OF CONSTRUCTION**

- THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:
1. INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
  2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE. TOPSOIL IN AREAS TO BE DISTURBED TO BE STRIPPED TO A MINIMUM DEPTH OF SIX (6) INCHES AND STOCKPILED SEPARATELY FROM OTHER EXCAVATED SOIL(S).
  3. IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
  4. INITIATE CONSTRUCTION.
  5. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE. RESPREAD STOCKPILED TOPSOIL AND STABILIZE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING.
  6. REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.



**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

Woven Filter Fabric In Absence Of Established Grass (Approx. 12" x 12"). Secure Edges By Entrenching And Extend Under Bags and Bales. Fabric Shall Meet The Requirements Of Section 985 Of The Standard Specifications. Cost Of Fabric To Be Included In The Contract Unit Price For Baled Hay Or Straw, TN.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

Loose Soil Placed By Shovel And Lightly Compacted Along The Upstream Edge Of Bales.

**TYPE II**  
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1 of 3, Index No. 102

**TYPE I**

**BARRIER FOR UNPAVED DITCHES**  
NOT TO SCALE

Anchor Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

Anchor Pins No. 5 STEEL BARS TWO PER BALE

STOCKPILE OF ERODIBLE MATERIAL

HAY BALES

**MATERIAL STOCKPILE DETAIL**  
NOT TO SCALE

Anchor Bales With 2 - 2" x 2" x 4" Stakes Per Bale.

**POST OPTIONS:**  
WOOD 2 1/2" MIN. Ø  
WOOD 2" x 4"  
OAK 1 1/2" x 1 1/2"  
STEEL 1.33 LBS/FT. MIN.

**OPTIONAL POST POSITIONS**

**PRINCIPLE POST POSITION**  
(CANTED 20° TOWARD FLOW)

**FILTER FABRIC**  
(IN CONFORMANCE WITH SEC. 985 FDOT SPEC.)

**SILT FLOW**

**ELEVATION**

**SECTION**

**PLAN VIEW JOINING TWO SILT FENCES**

Place the end post of one fence behind the end post of the other fence as shown.

Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

Drive both posts into the ground and bury flap.

**TYPE III SILT FENCE**

**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.**

**EXISTING DITCH OR SWALE WITH INTERMITTENT FLOW**

**STORMWATER RUNOFF**

**TYPE III SILT FENCE**

**PLAN VIEW**

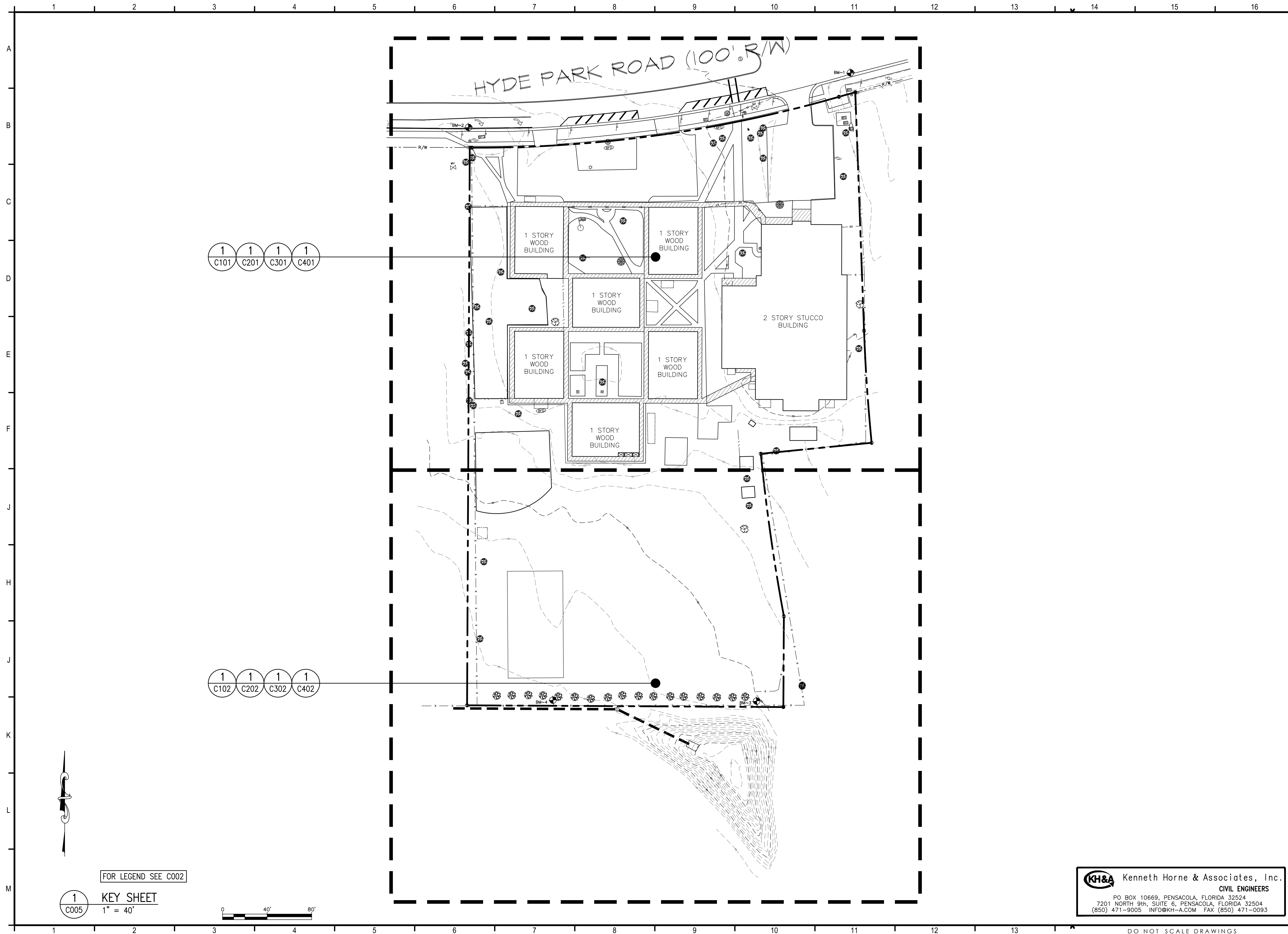
**NOTES FOR SILT FENCES**

1. Type III Silt Fence shall be used. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1, FDOT Design Standards Index No. 102, Latest Edition.
2. Do not construct silt fences across permanent flowing watercourses.
3. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
4. Silt Fence to be paid for under the contract unit price for Staked Silt Fences, (LF).

**TYPE III SILT FENCE APPLICATIONS**  
NOT TO SCALE

W





**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

- PROJECT TEAM:**
- CIVIL KENNETH HORNE & ASSOCIATES
  - LANDSCAPING FORME DESIGN GROUP
  - STRUCTURAL MCCARTHY ENGINEERING
  - ARCHITECTURAL CALDWELL ASSOCIATES
  - FIRE PROTECTION H.M. YOUNGE & ASSOCIATES
  - MECHANICAL/PLUMBING H.M. YOUNGE & ASSOCIATES
  - ELECTRICAL KLOCKE ASSOCIATES

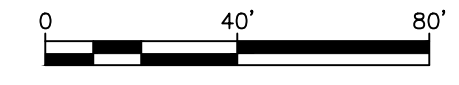
**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
 PENSACOLA, FL**

**PROJECT NO. : 22028  
 SHEET TITLE:  
 KEY SHEET**

**SHEET NUMBER:  
 C005**

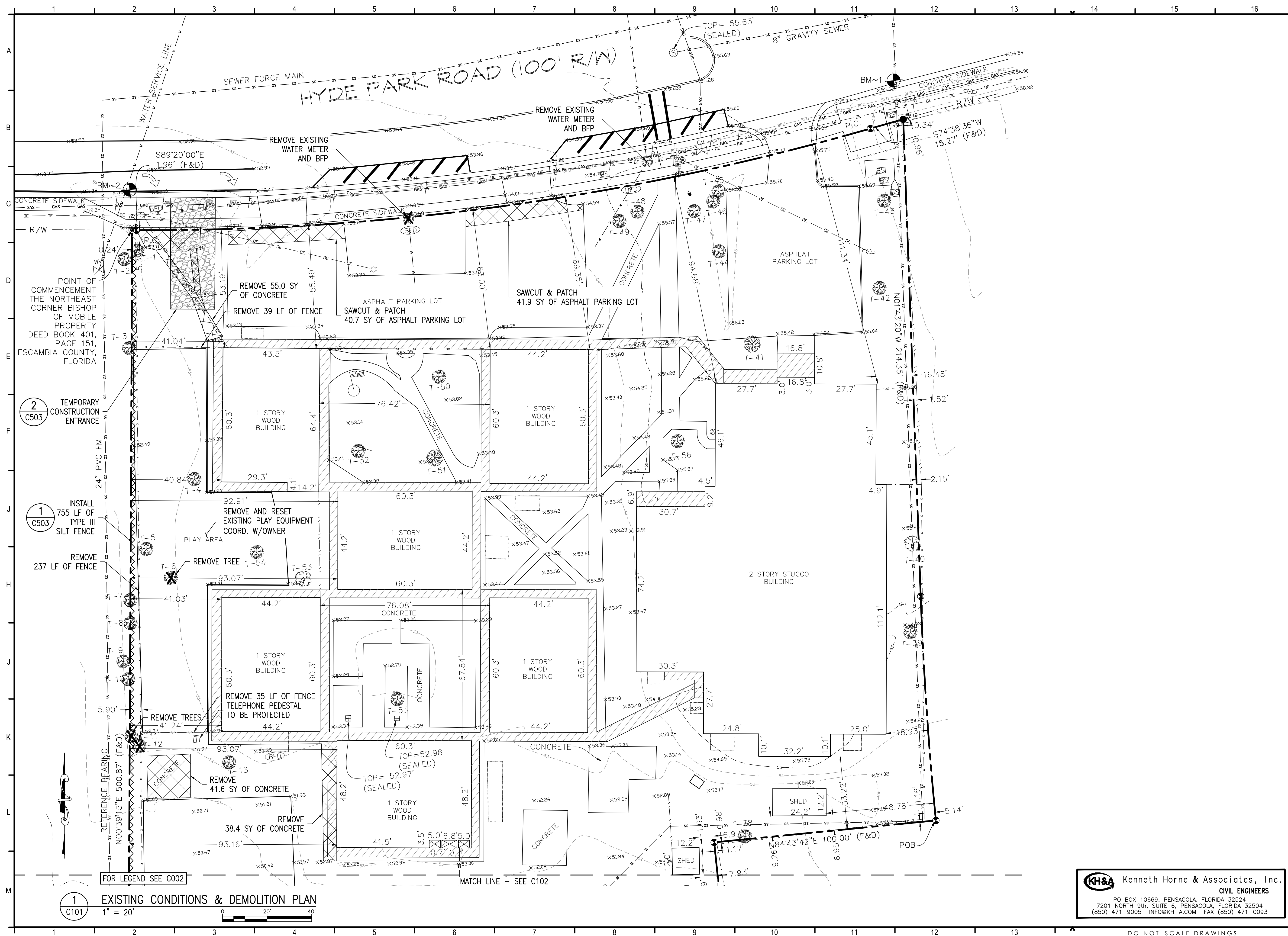
FOR LEGEND SEE C002  
**1 KEY SHEET**  
 1" = 40'



**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:18 PM





**PROJECT ISSUES:**  
 SCHEMATIC DESIGN: 06/25/2023  
 DESIGN DEVELOPMENT: 08/21/2023  
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**  
 CIVIL: KENNETH HORNE & ASSOCIATES  
 LANDSCAPING: FORME DESIGN GROUP  
 STRUCTURAL: MCCARTHY ENGINEERING  
 ARCHITECTURAL: CALDWELL ASSOCIATES  
 FIRE PROTECTION: H.M. YOUNGE & ASSOCIATES  
 MECHANICAL/PLUMBING: H.M. YOUNGE & ASSOCIATES  
 ELECTRICAL: KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
 PENSACOLA, FL**

**PROJECT NO. :** 22028  
**SHEET TITLE:**  
 EXISTING CONDITIONS & DEMOLITION PLAN

**SHEET NUMBER:**  
**C101**

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9TH, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:18 PM



**PROJECT ISSUES:**  
SCHEMATIC DESIGN: 06/25/2023  
DESIGN DEVELOPMENT: 08/21/2023  
100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**  
CIVIL KENNETH HORNE & ASSOCIATES  
LANDSCAPING  
STRUCTURAL FORME DESIGN GROUP  
ARCHITECTURAL MCCARTHY ENGINEERING  
FIRE PROTECTION CALDWELL ASSOCIATES  
MECHANICAL/PLUMBING H.M. YOUNGE & ASSOCIATES  
ELECTRICAL H.M. YOUNGE & ASSOCIATES  
KLOCKE ASSOCIATES

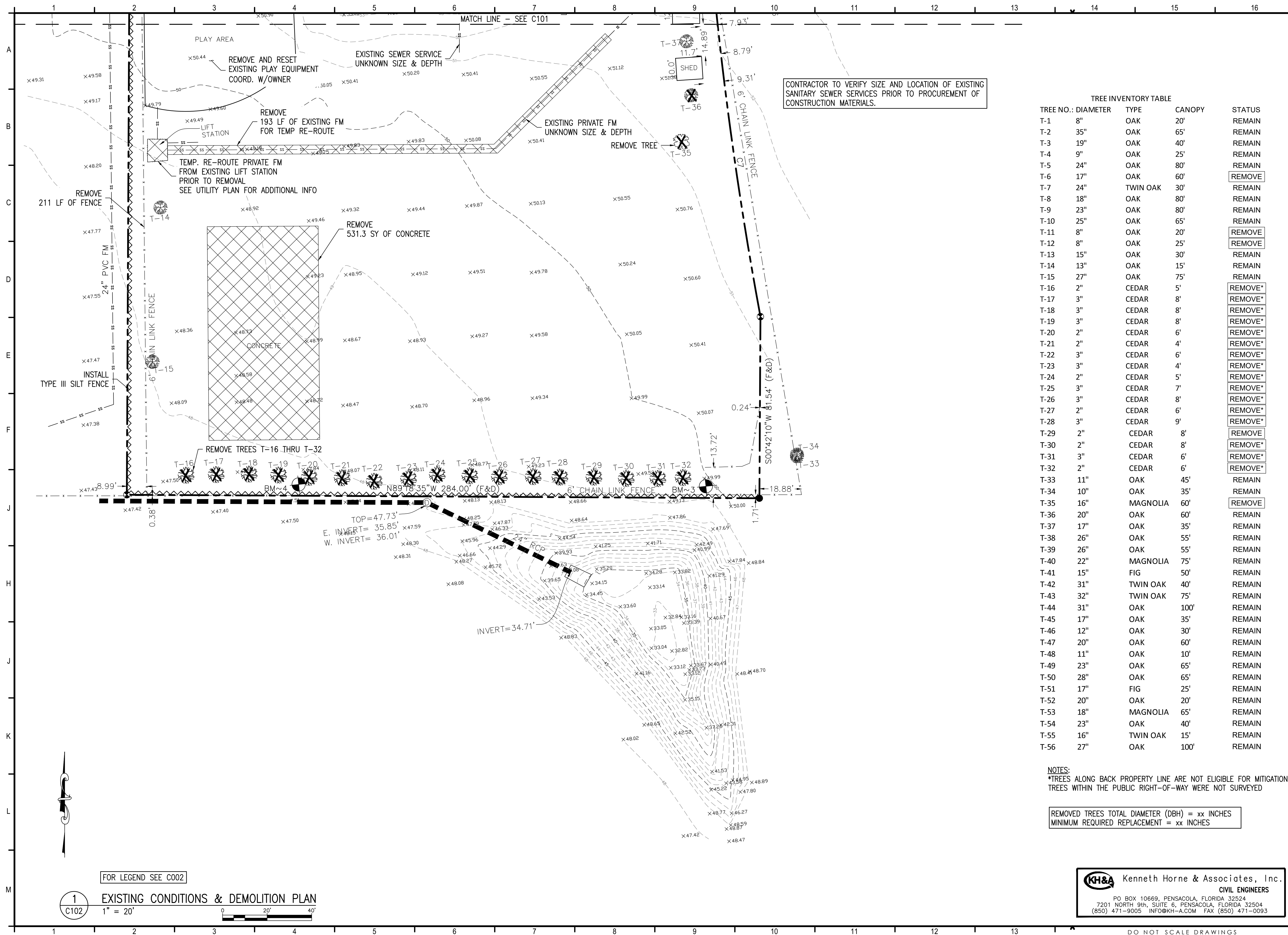
**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD. PENSACOLA, FL**

**PROJECT NO. :** 22028  
**SHEET TITLE:** EXISTING CONDITIONS & DEMOLITION PLAN

**SHEET NUMBER:**

**C102**



CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING SANITARY SEWER SERVICES PRIOR TO PROCUREMENT OF CONSTRUCTION MATERIALS.

TREE NO.:	DIAMETER	TYPE	CANOPY	STATUS
T-1	8"	OAK	20'	REMAIN
T-2	35"	OAK	65'	REMAIN
T-3	19"	OAK	40'	REMAIN
T-4	9"	OAK	25'	REMAIN
T-5	24"	OAK	80'	REMAIN
T-6	17"	OAK	60'	REMOVE
T-7	24"	TWIN OAK	30'	REMAIN
T-8	18"	OAK	80'	REMAIN
T-9	23"	OAK	80'	REMAIN
T-10	25"	OAK	65'	REMAIN
T-11	8"	OAK	20'	REMOVE
T-12	8"	OAK	25'	REMOVE
T-13	15"	OAK	30'	REMAIN
T-14	13"	OAK	15'	REMAIN
T-15	27"	OAK	75'	REMAIN
T-16	2"	CEDAR	5'	REMOVE*
T-17	3"	CEDAR	8'	REMOVE*
T-18	3"	CEDAR	8'	REMOVE*
T-19	3"	CEDAR	8'	REMOVE*
T-20	2"	CEDAR	6'	REMOVE*
T-21	2"	CEDAR	4'	REMOVE*
T-22	3"	CEDAR	6'	REMOVE*
T-23	3"	CEDAR	4'	REMOVE*
T-24	2"	CEDAR	5'	REMOVE*
T-25	3"	CEDAR	7'	REMOVE*
T-26	3"	CEDAR	8'	REMOVE*
T-27	2"	CEDAR	6'	REMOVE*
T-28	3"	CEDAR	9'	REMOVE*
T-29	2"	CEDAR	8'	REMOVE*
T-30	2"	CEDAR	8'	REMOVE*
T-31	3"	CEDAR	6'	REMOVE*
T-32	2"	CEDAR	6'	REMOVE*
T-33	11"	OAK	45'	REMAIN
T-34	10"	OAK	35'	REMAIN
T-35	16"	MAGNOLIA	60'	REMOVE
T-36	20"	OAK	60'	REMAIN
T-37	17"	OAK	35'	REMAIN
T-38	26"	OAK	55'	REMAIN
T-39	26"	OAK	55'	REMAIN
T-40	22"	MAGNOLIA	75'	REMAIN
T-41	15"	FIG	50'	REMAIN
T-42	31"	TWIN OAK	40'	REMAIN
T-43	32"	TWIN OAK	75'	REMAIN
T-44	31"	OAK	100'	REMAIN
T-45	17"	OAK	35'	REMAIN
T-46	12"	OAK	30'	REMAIN
T-47	20"	OAK	60'	REMAIN
T-48	11"	OAK	10'	REMAIN
T-49	23"	OAK	65'	REMAIN
T-50	28"	OAK	65'	REMAIN
T-51	17"	FIG	25'	REMAIN
T-52	20"	OAK	20'	REMAIN
T-53	18"	MAGNOLIA	65'	REMAIN
T-54	23"	OAK	40'	REMAIN
T-55	16"	TWIN OAK	15'	REMAIN
T-56	27"	OAK	100'	REMAIN

NOTES:  
\*TREES ALONG BACK PROPERTY LINE ARE NOT ELIGIBLE FOR MITIGATION  
TREES WITHIN THE PUBLIC RIGHT-OF-WAY WERE NOT SURVEYED

REMOVED TREES TOTAL DIAMETER (DBH) = xx INCHES  
MINIMUM REQUIRED REPLACEMENT = xx INCHES

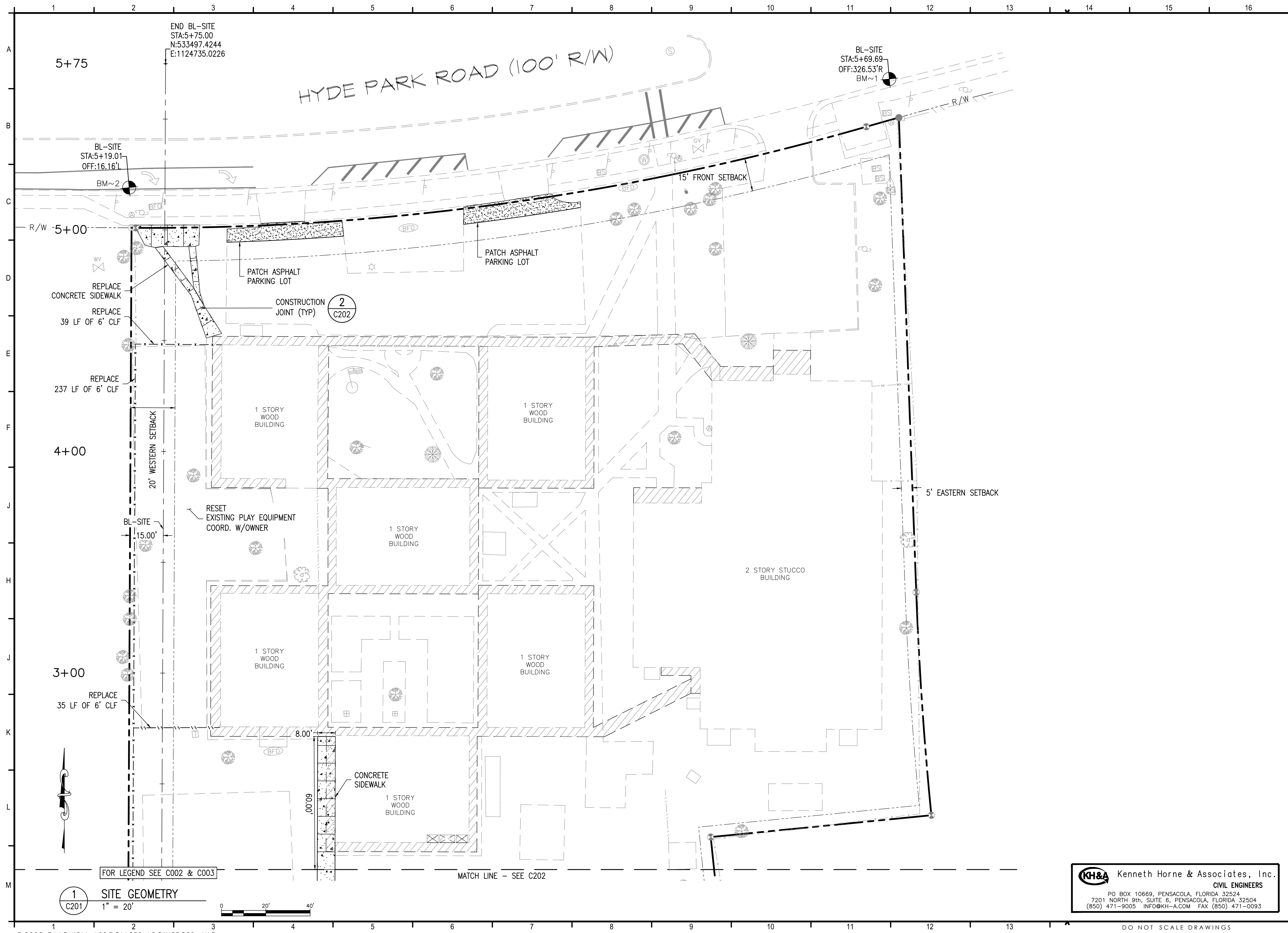
**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

FOR LEGEND SEE C002

**1** EXISTING CONDITIONS & DEMOLITION PLAN  
1" = 20'  
0 20' 40'

PRINT DATE: 12/15/2023 3:18 PM





**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

- PROJECT TEAM:**
- CIVIL KENNETH HORNE & ASSOCIATES
  - LANDSCAPING FORME DESIGN GROUP
  - STRUCTURAL MCCARTHY ENGINEERING
  - ARCHITECTURAL CALDWELL ASSOCIATES
  - FIRE PROTECTION H.M. YOUNGE & ASSOCIATES
  - MECHANICAL/PLUMBING H.M. YOUNGE & ASSOCIATES
  - ELECTRICAL KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
 PENSACOLA, FL**

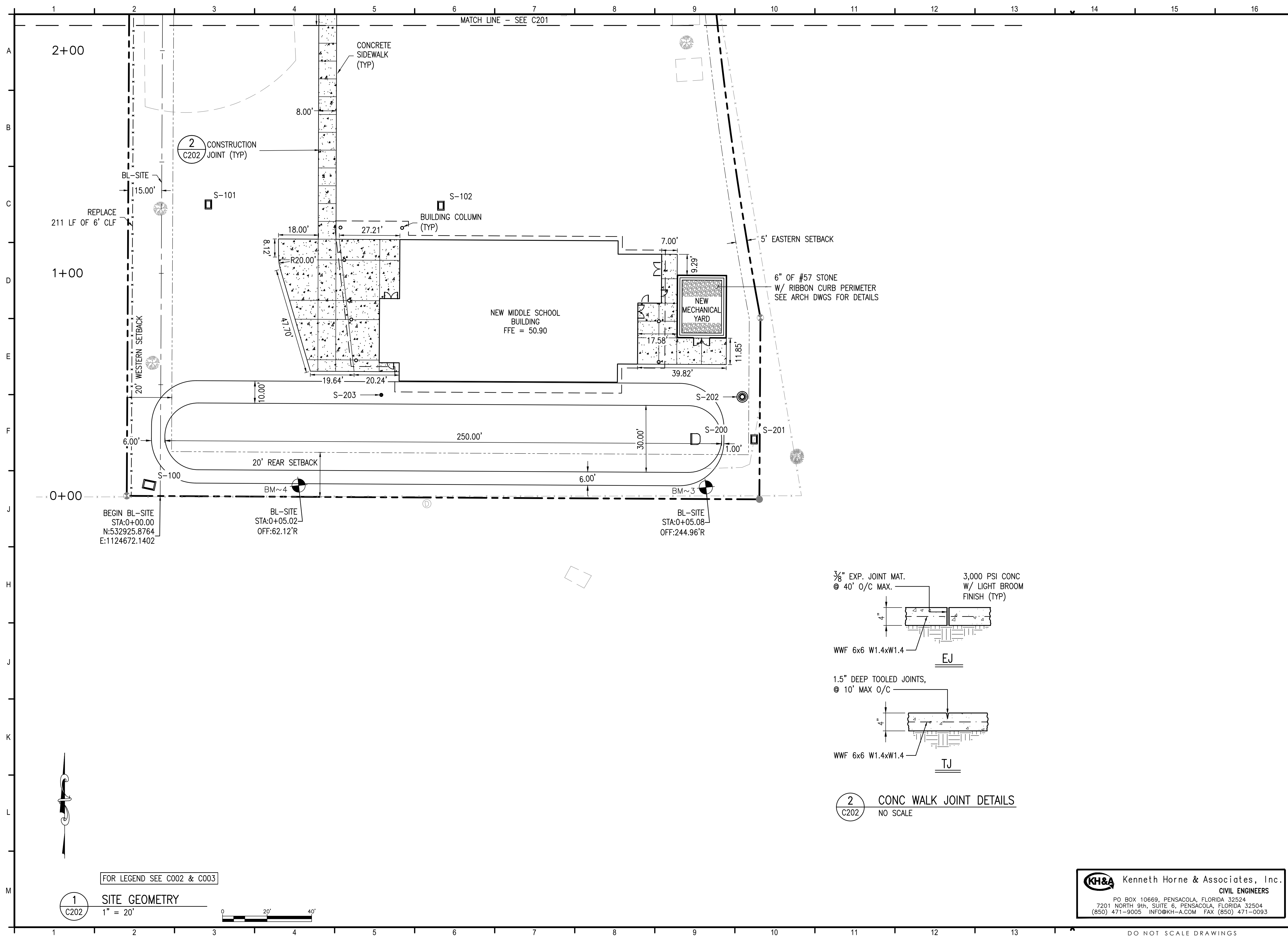
**PROJECT NO. : 22028  
 SHEET TITLE:  
 SITE GEOMETRY**

**SHEET NUMBER:  
 C201**

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:18 PM





**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

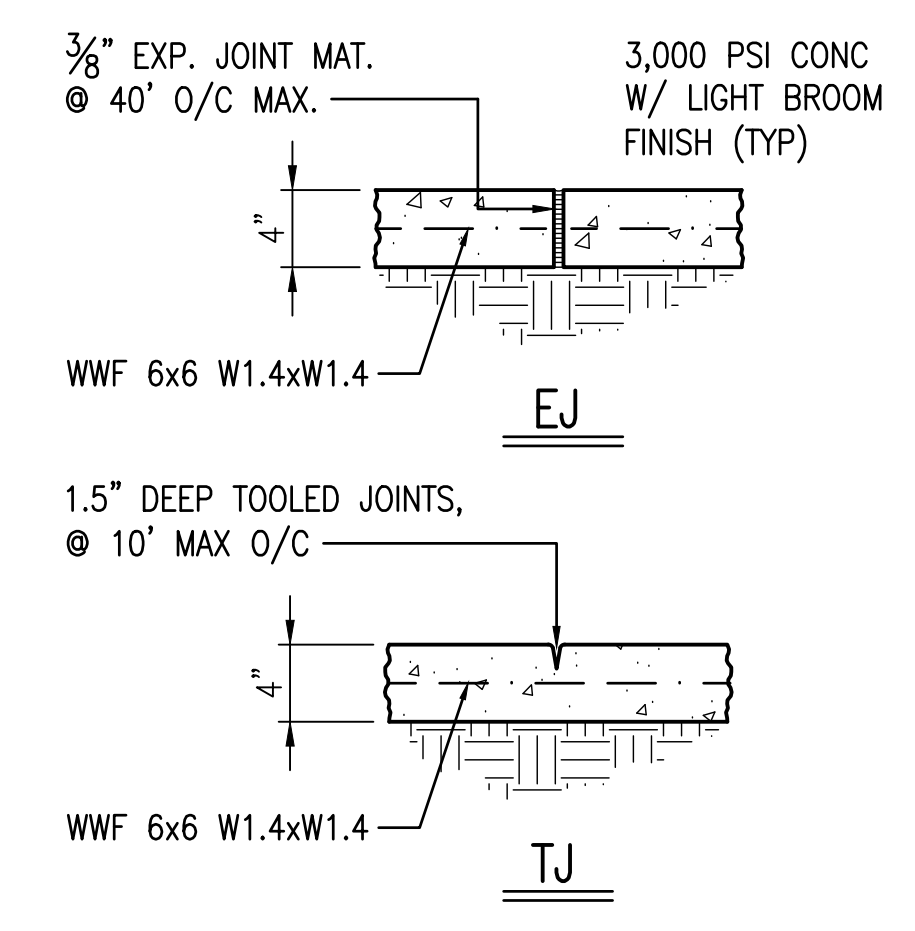
- PROJECT TEAM:**
- CIVIL** KENNETH HORNE & ASSOCIATES
  - LANDSCAPING** FORME DESIGN GROUP
  - STRUCTURAL** MCCARTHY ENGINEERING
  - ARCHITECTURAL** CALDWELL ASSOCIATES
  - FIRE PROTECTION** H.M. YOUNGE & ASSOCIATES
  - MECHANICAL/PLUMBING** H.M. YOUNGE & ASSOCIATES
  - ELECTRICAL** KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
 PENSACOLA, FL**

**PROJECT NO. : 22028  
 SHEET TITLE:  
 SITE GEOMETRY**

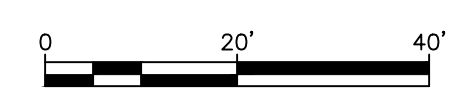
**SHEET NUMBER:  
 C202**



**2 CONC WALK JOINT DETAILS**  
 C202 NO SCALE

**1 SITE GEOMETRY**  
 1" = 20'

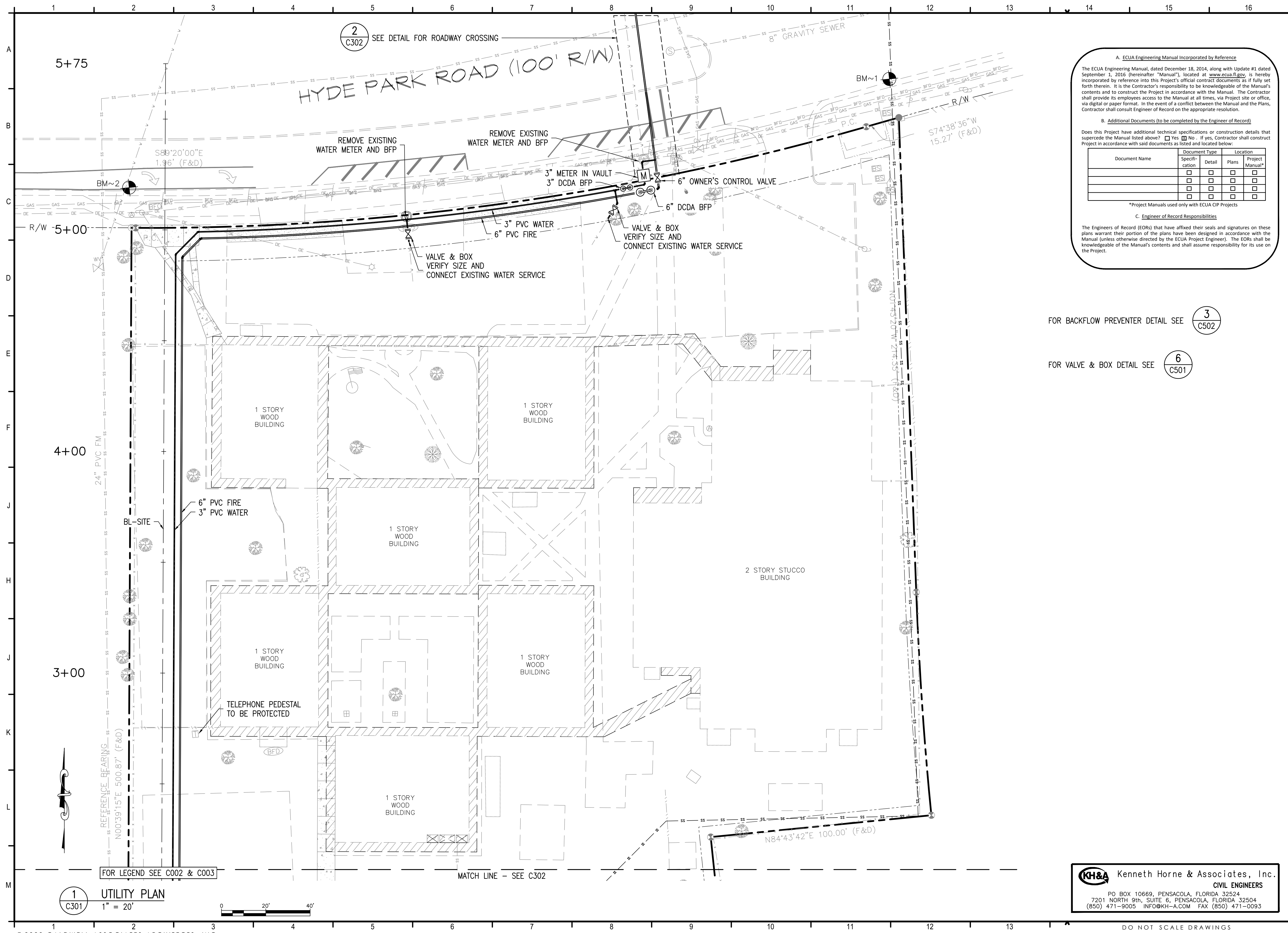
FOR LEGEND SEE C002 & C003



PRINT DATE: 12/15/2023 3:18 PM

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093





2 SEE DETAIL FOR ROADWAY CROSSING  
C302

**A. ECUA Engineering Manual Incorporated by Reference**

The ECUA Engineering Manual, dated December 18, 2014, along with Update #1 dated September 1, 2016 (hereinafter "Manual"), located at [www.ecua.fl.gov](http://www.ecua.fl.gov), is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and the Plans, Contractor shall consult Engineer of Record on the appropriate resolution.

**B. Additional Documents (to be completed by the Engineer of Record)**

Does this Project have additional technical specifications or construction details that supersede the Manual listed above?  Yes  No. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specifi- cation	Detail		Plans
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Project Manuals used only with ECUA CIP Projects

**C. Engineer of Record Responsibilities**

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portion of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on the Project.

FOR BACKFLOW PREVENTER DETAIL SEE **3**  
C502

FOR VALVE & BOX DETAIL SEE **6**  
C501

**PROJECT ISSUES:**  
SCHEMATIC DESIGN: 06/25/2023  
DESIGN DEVELOPMENT: 08/21/2023  
100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**  
CIVIL KENNETH HORNE & ASSOCIATES  
LANDSCAPING FORME DESIGN GROUP  
STRUCTURAL MCCARTHY ENGINEERING  
ARCHITECTURAL CALDWELL ASSOCIATES  
FIRE PROTECTION H.M. YOUNGE & ASSOCIATES  
MECHANICAL/PLUMBING H.M. YOUNGE & ASSOCIATES  
ELECTRICAL KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028  
SHEET TITLE:  
UTILITY PLAN

SHEET NUMBER:  
**C301**

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:19 PM



**PROJECT ISSUES:**  
 SCHEMATIC DESIGN: 06/25/2023  
 DESIGN DEVELOPMENT: 08/21/2023  
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

**A. ECUA Engineering Manual Incorporated by Reference**  
 The ECUA Engineering Manual, dated December 18, 2014, along with Update #1 dated September 1, 2016 (hereinafter "Manual"), located at [www.ecua.fl.gov](http://www.ecua.fl.gov), is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and the Plans, Contractor shall consult Engineer of Record on the appropriate resolution.

**B. Additional Documents (to be completed by the Engineer of Record)**  
 Does this Project have additional technical specifications or construction details that supersede the Manual listed above?  Yes  No. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location
	Specifi- cation	Detail	
	<input type="checkbox"/>	<input type="checkbox"/>	Plans
	<input type="checkbox"/>	<input type="checkbox"/>	Project Manual*
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

\*Project Manuals used only with ECUA CIP Projects

**C. Engineer of Record Responsibilities**  
 The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portion of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on the Project.

FOR SSMH DETAIL SEE **2**  
C504

FOR FIRE DEPARTMENT CONNECTION DETAIL SEE **2**  
C502

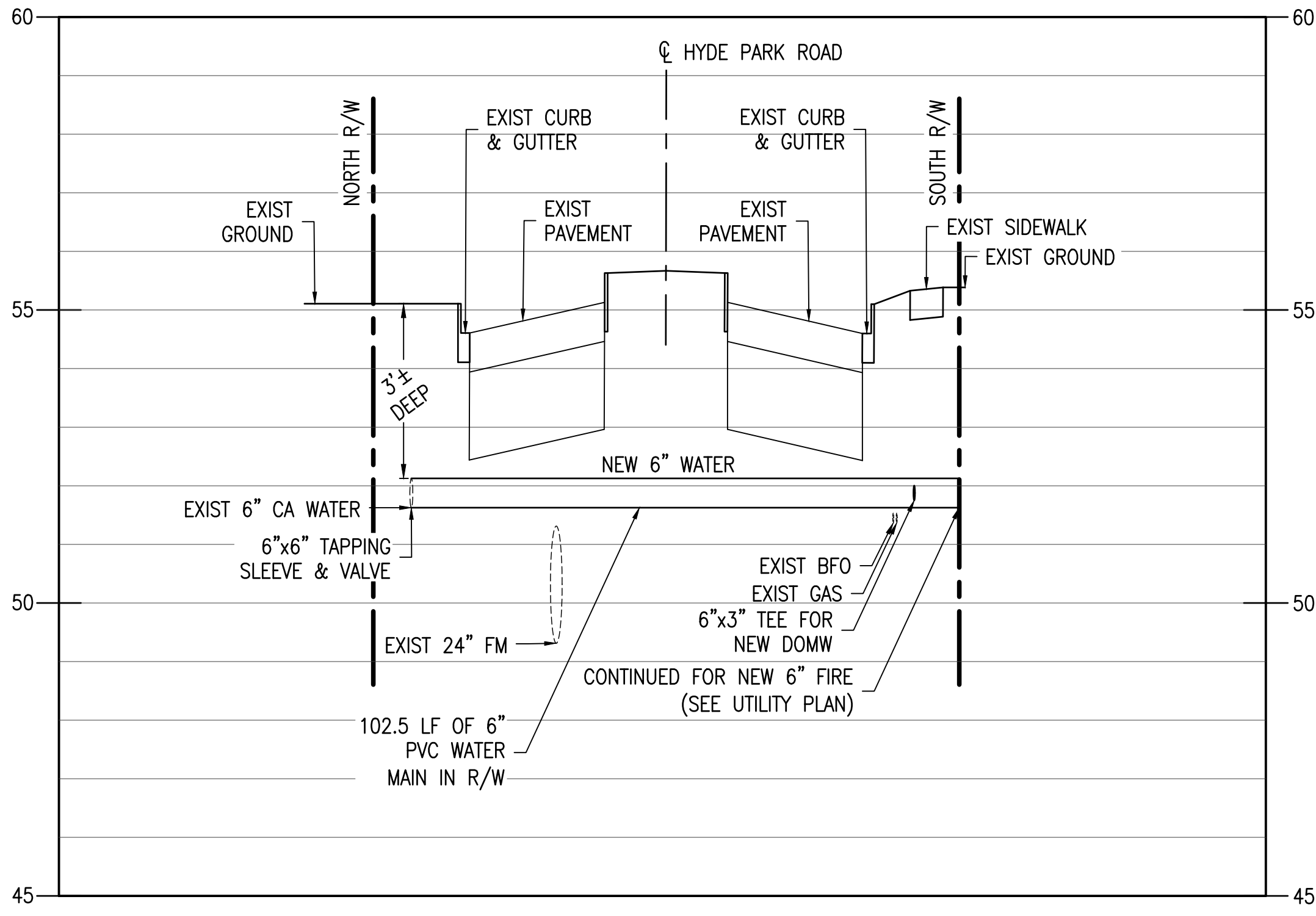
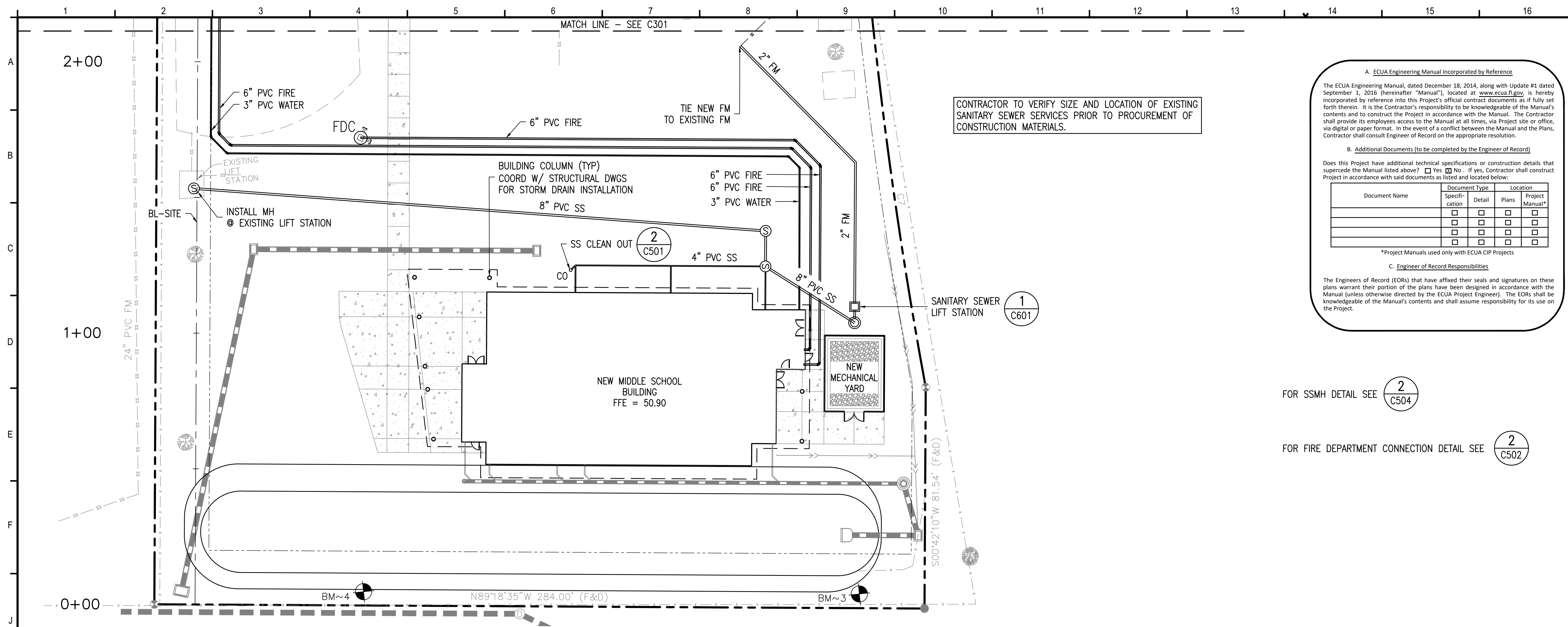
**PROJECT TEAM:**  
 CIVIL: KENNETH HORNE & ASSOCIATES  
 LANDSCAPING: FORME DESIGN GROUP  
 STRUCTURAL: MCCARTHY ENGINEERING  
 ARCHITECTURAL: CALDWELL ASSOCIATES  
 FIRE PROTECTION: H.M. YOUNGE & ASSOCIATES  
 MECHANICAL/PLUMBING: H.M. YOUNGE & ASSOCIATES  
 ELECTRICAL: KLOCKE ASSOCIATES

**PROJECT:**  
 CREATIVE LEARNING ACADEMY

**3151 HYDE PARK RD.  
 PENSACOLA, FL**

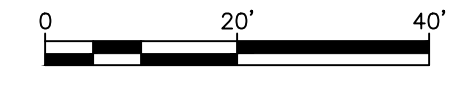
PROJECT NO. : 22028  
 SHEET TITLE:  
 UTILITY PLAN

SHEET NUMBER:  
**C302**



FOR LEGEND SEE C002 & C003

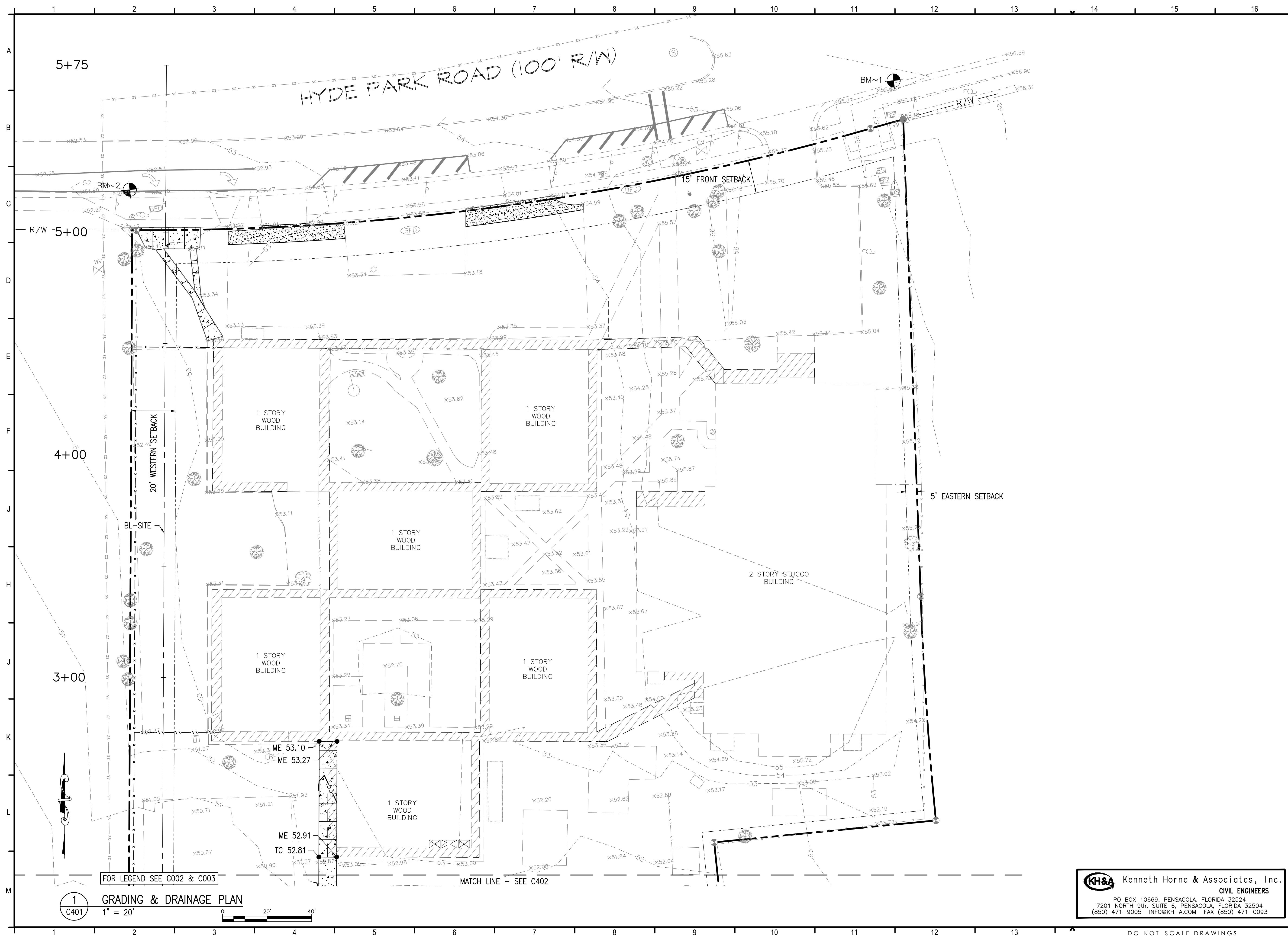
**1**  
C302 **UTILITY PLAN**  
1" = 20'



**2**  
C302 **HYDE PARK ROAD R/W CROSSING PROFILE**  
HORIZ: 1" = 20' VERT: 1" = 2'

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093





**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

- PROJECT TEAM:**
- CIVIL** KENNETH HORNE & ASSOCIATES
  - LANDSCAPING** FORME DESIGN GROUP
  - STRUCTURAL** MCCARTHY ENGINEERING
  - ARCHITECTURAL** CALDWELL ASSOCIATES
  - FIRE PROTECTION** H.M. YOUNGE & ASSOCIATES
  - MECHANICAL/PLUMBING** H.M. YOUNGE & ASSOCIATES
  - ELECTRICAL** KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.**  
**PENSACOLA, FL**

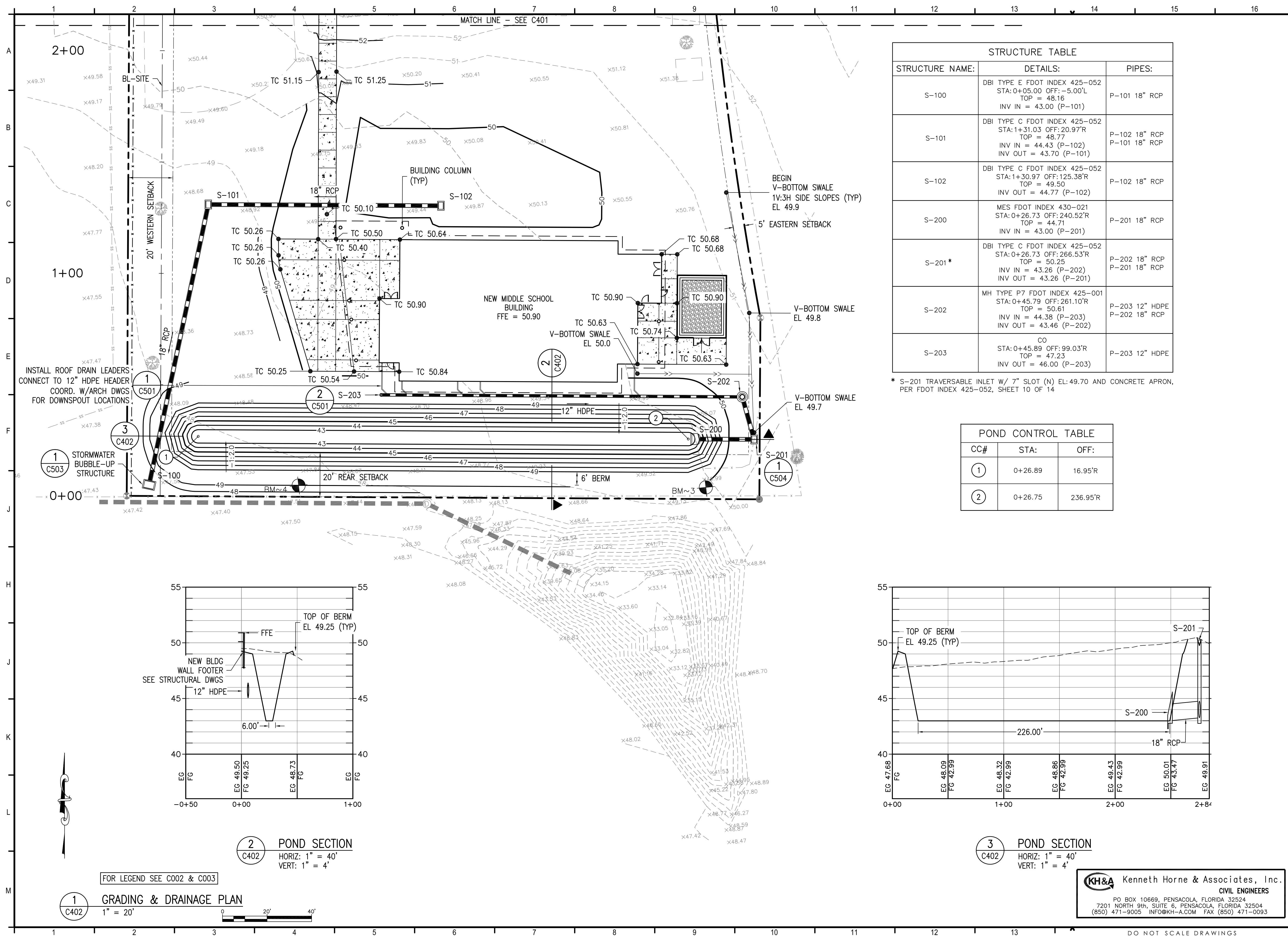
**PROJECT NO. :** 22028  
**SHEET TITLE:**  
 GRADING & DRAINAGE PLAN

**SHEET NUMBER:**  
**C401**

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

PRINT DATE: 12/15/2023 3:19 PM

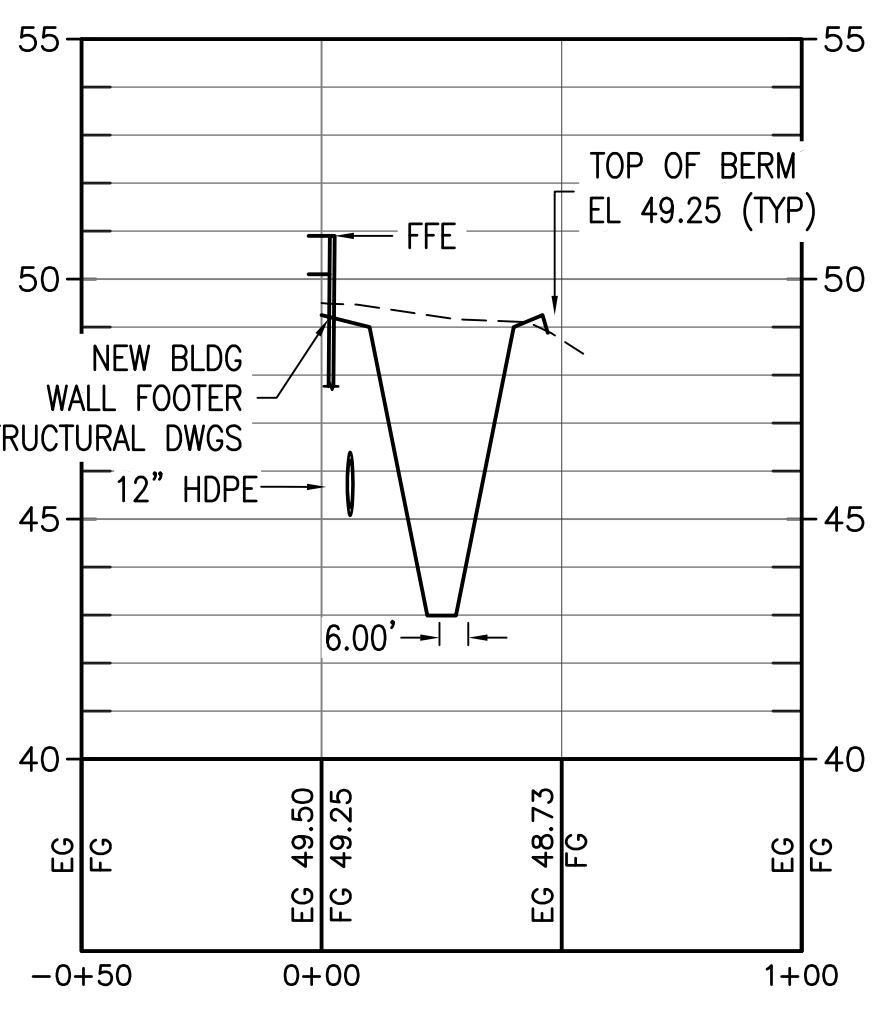




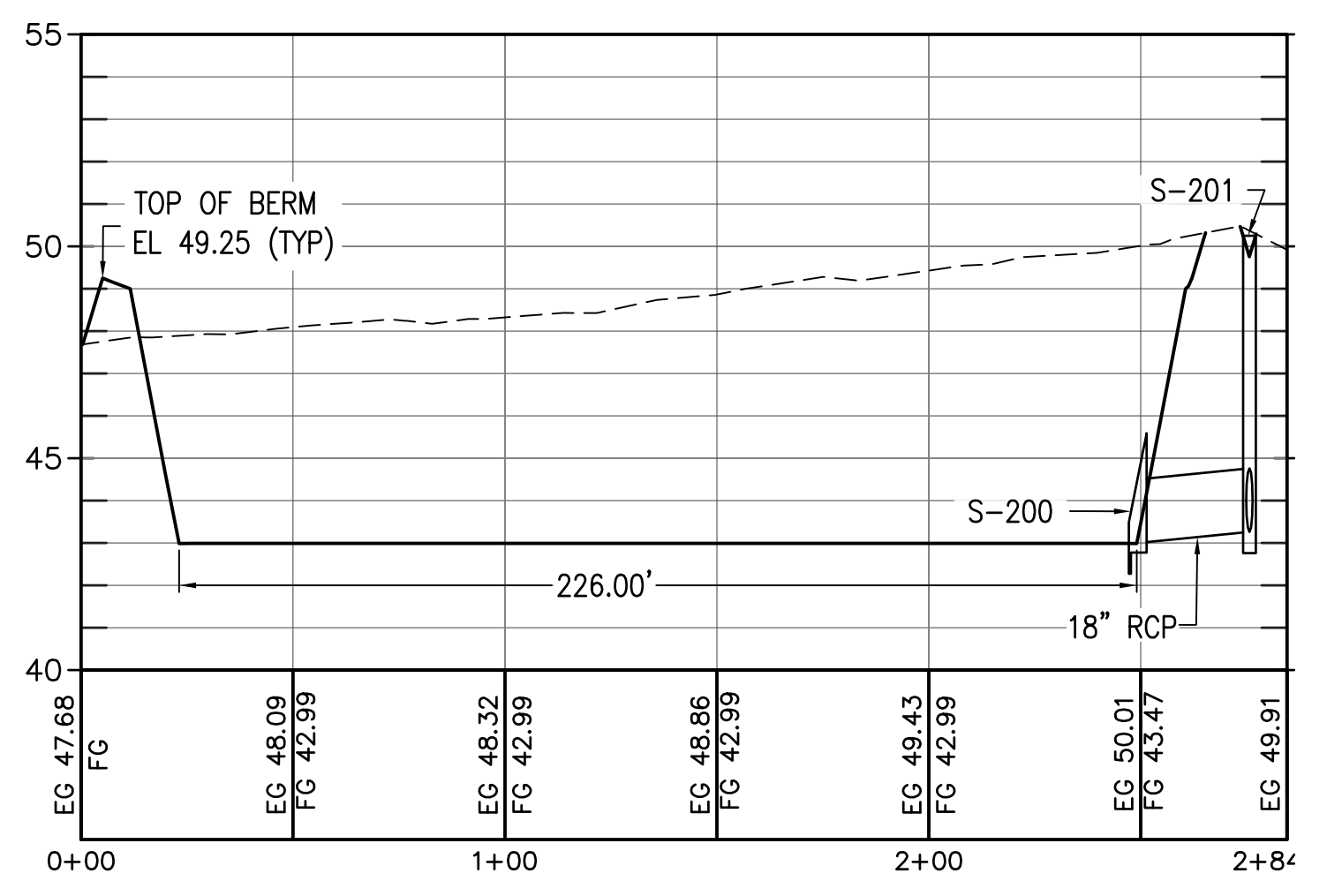
STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	PIPES:
S-100	DBI TYPE E FDOT INDEX 425-052 STA: 0+05.00 OFF: -5.00'L TOP = 48.16 INV IN = 43.00 (P-101)	P-101 18" RCP
S-101	DBI TYPE C FDOT INDEX 425-052 STA: 1+31.03 OFF: 20.97'R TOP = 48.77 INV IN = 44.43 (P-102) INV OUT = 43.70 (P-101)	P-102 18" RCP P-101 18" RCP
S-102	DBI TYPE C FDOT INDEX 425-052 STA: 1+30.97 OFF: 125.38'R TOP = 49.50 INV OUT = 44.77 (P-102)	P-102 18" RCP
S-200	MES FDOT INDEX 430-021 STA: 0+26.73 OFF: 240.52'R TOP = 44.71 INV IN = 43.00 (P-201)	P-201 18" RCP
S-201*	DBI TYPE C FDOT INDEX 425-052 STA: 0+26.73 OFF: 266.53'R TOP = 50.25 INV IN = 43.26 (P-202) INV OUT = 43.26 (P-201)	P-202 18" RCP P-201 18" RCP
S-202	MH TYPE P7 FDOT INDEX 425-001 STA: 0+45.79 OFF: 261.10'R TOP = 50.61 INV IN = 44.38 (P-203) INV OUT = 43.46 (P-202)	P-203 12" HDPE P-202 18" RCP
S-203	CO STA: 0+45.89 OFF: 99.03'R TOP = 47.23 INV OUT = 46.00 (P-203)	P-203 12" HDPE

\* S-201 TRAVERSABLE INLET W/ 7" SLOT (N) EL: 49.70 AND CONCRETE APRON, PER FDOT INDEX 425-052, SHEET 10 OF 14

POND CONTROL TABLE		
CC#	STA:	OFF:
①	0+26.89	16.95'R
②	0+26.75	236.95'R



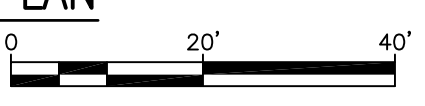
② POND SECTION  
C402  
HORIZ: 1" = 40'  
VERT: 1" = 4'



③ POND SECTION  
C402  
HORIZ: 1" = 40'  
VERT: 1" = 4'

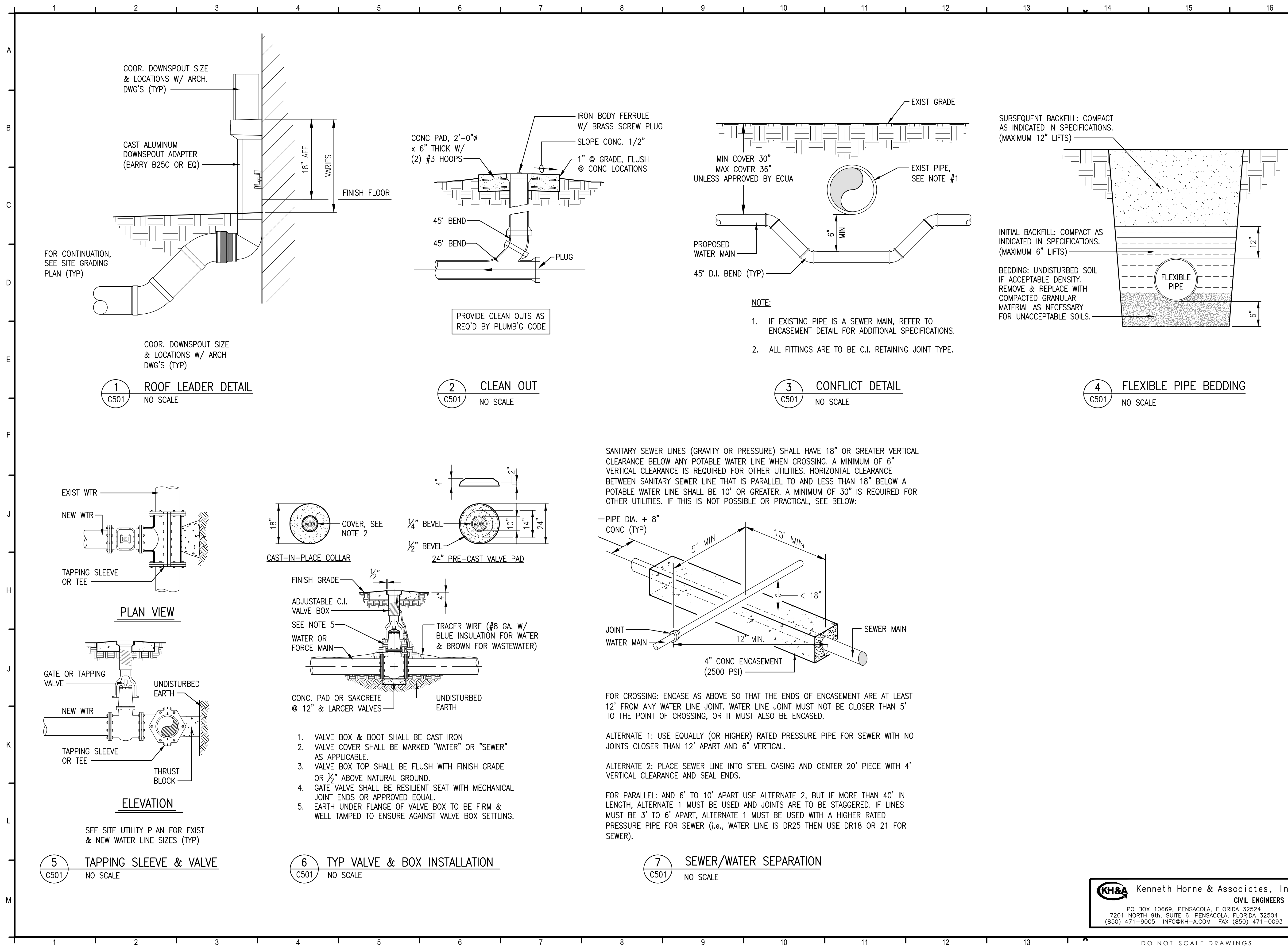
① GRADING & DRAINAGE PLAN  
1" = 20'

FOR LEGEND SEE C002 & C003



**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-ACOM FAX (850) 471-0093







**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

**PROJECT TEAM:**

- CIVIL** KENNETH HORNE & ASSOCIATES
- LANDSCAPING** FORME DESIGN GROUP
- STRUCTURAL** MCCARTHY ENGINEERING
- ARCHITECTURAL** CALDWELL ASSOCIATES
- FIRE PROTECTION** H.M. YOUNGE & ASSOCIATES
- MECHANICAL/PLUMBING** H.M. YOUNGE & ASSOCIATES
- ELECTRICAL** KLOCKE ASSOCIATES

**PROJECT:**

**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028

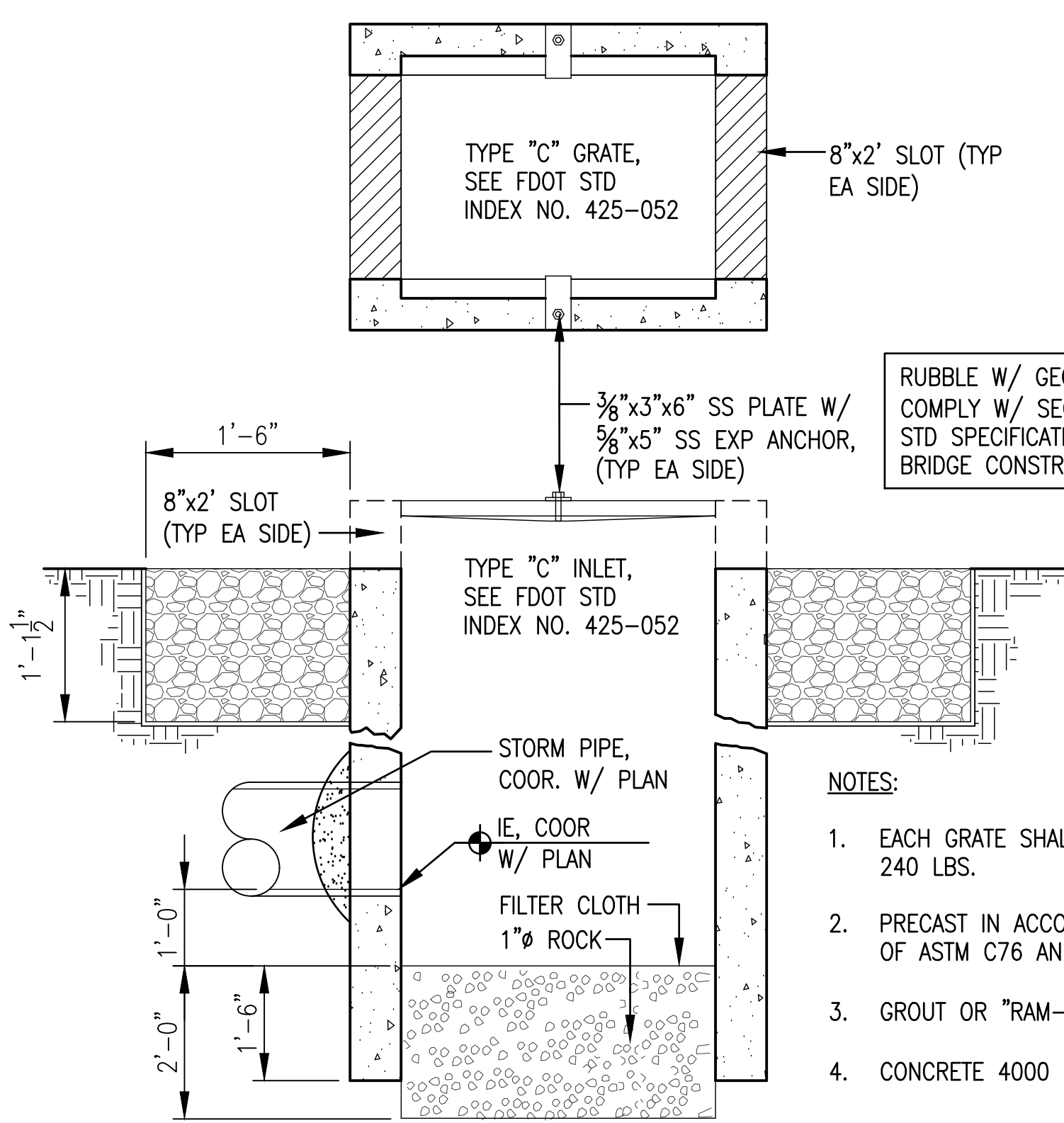
SHEET TITLE:  
DETAILS

SHEET NUMBER:

**C502**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A  
B  
C  
D  
E  
F  
G  
H  
J  
K  
L  
M

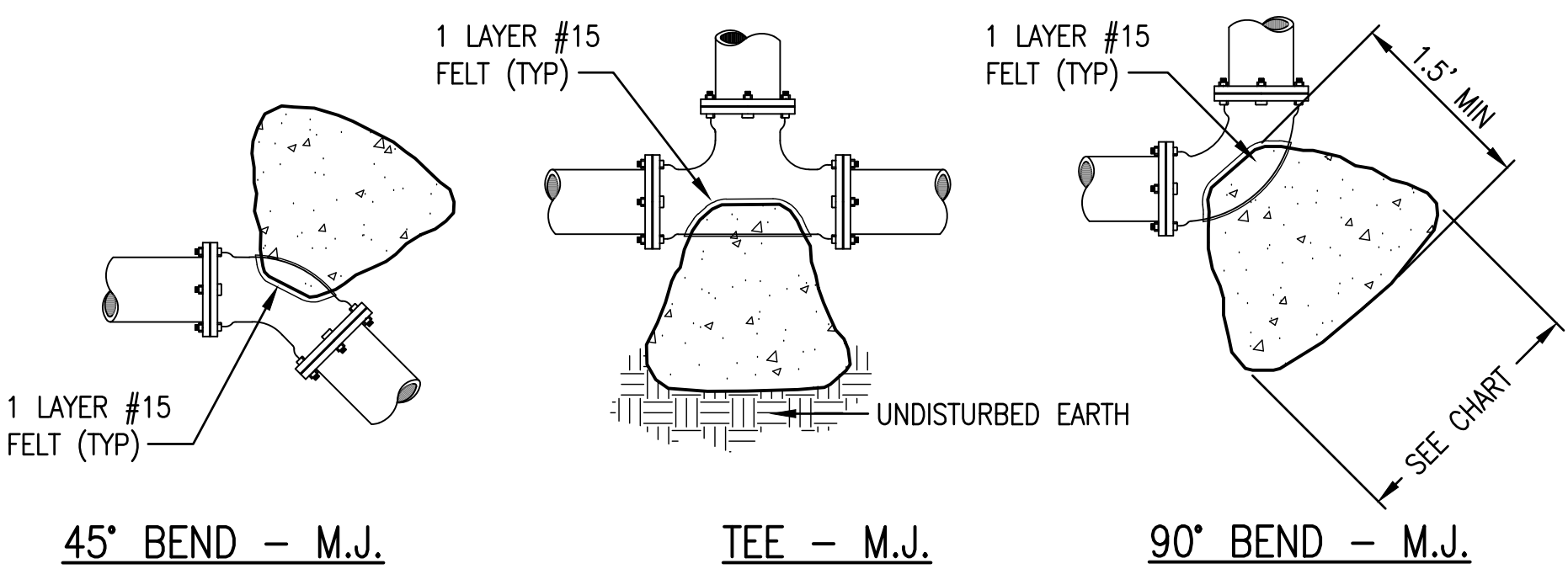


RUBBLE W/ GEOTEXTILE FABRIC TO COMPLY W/ SECTION 530 OF FDOT STD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION

**NOTES:**

- EACH GRATE SHALL HAVE A MIN. WEIGHT OF 240 LBS.
- PRECAST IN ACCORDANCE WITH LATEST EDITIONS OF ASTM C76 AND C478.
- GROUT OR "RAM-NEK" JOINTS WHERE REQUIRED.
- CONCRETE 4000 P.S.I. SOD 16"

**1 TYPE 'C' OPEN BOTTOM BUBBLE-UP MH**  
C503 NO SCALE



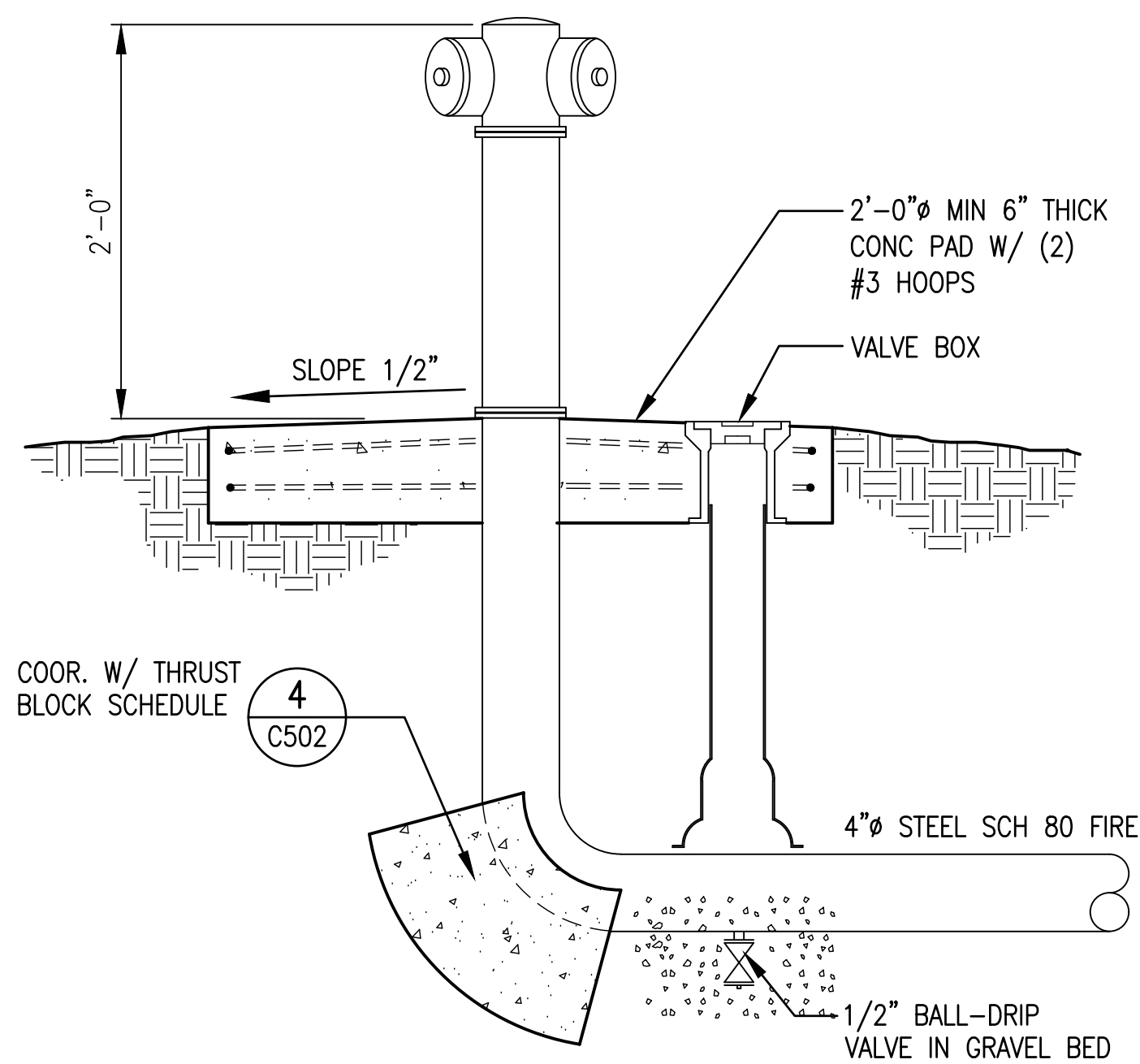
**MINIMUM THRUST BLOCK DIMENSIONS:  
SURFACE AREA AGAINST UNDISTURBED SOIL**

PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' x 2'	1.5' x 1.5'	1' x 1.5'	1' x 1'
6"	2' x 2'	2.5' x 2.5'	2' x 1.5'	1' x 1.5'
8"	2.25' x 3'	3' x 3'	2' x 2.5'	1.5' x 1.5'
10"	3.5' x 3'	4' x 3.75'	2.75' x 3'	2' x 2'
12"	4' x 4'	4' x 5'	3' x 4'	2' x 3'
16"	5' x 5.5'	6' x 6.5'	4' x 5'	3' x 3.5'

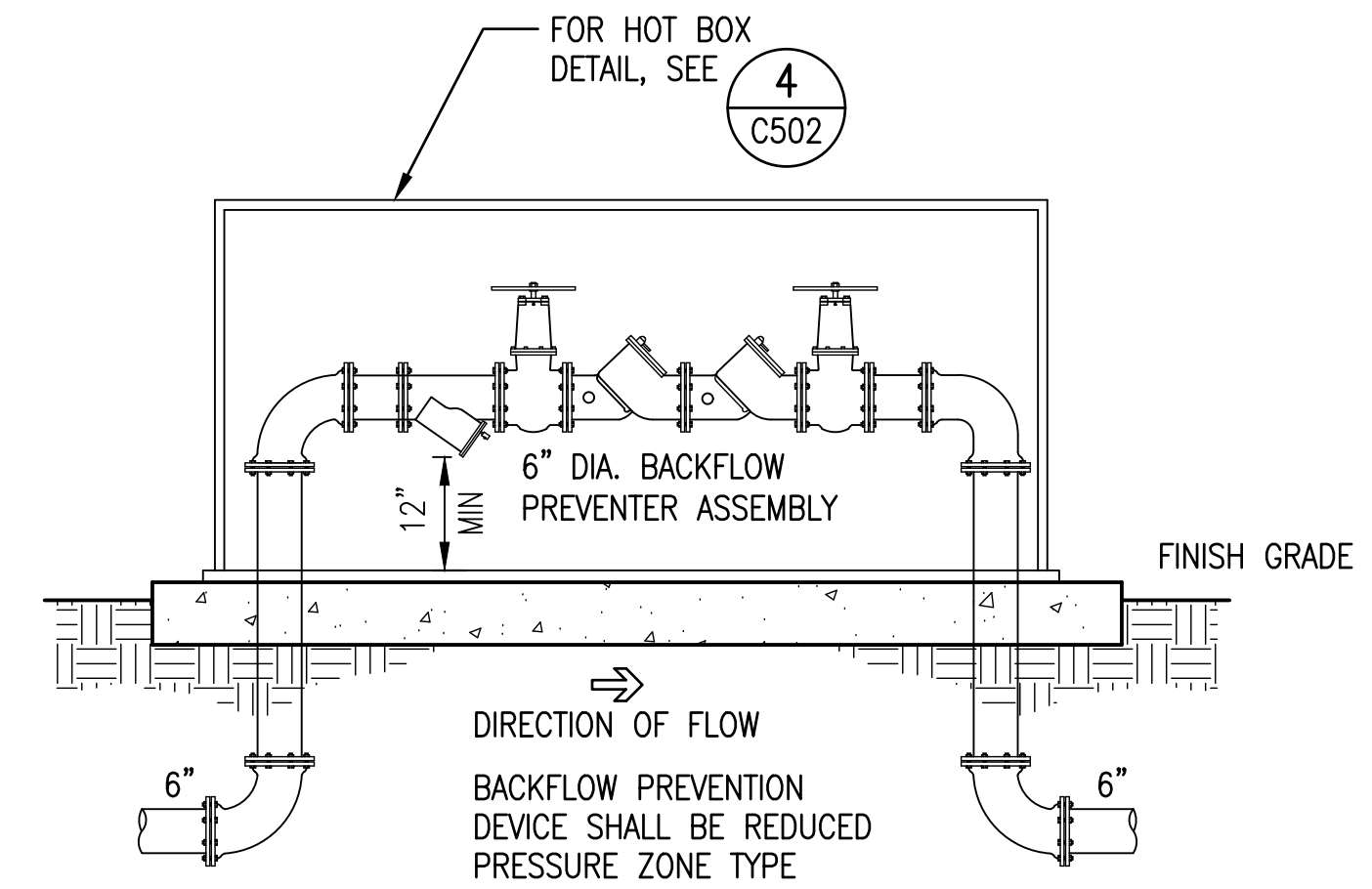
**NOTES:**

- ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
- ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL.
- THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION.
- CONCRETE MIN. 2,500 PSI.
- JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS. TRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, TEES, TAPPING SLEEVES, AND DEAD ENDS.

**4 THRUST BLOCK SCHEDULE & DETAILS**  
C502 NO SCALE



**2 FIRE DEPT CONNECTION DETAIL**  
C502 NO SCALE



FOR HOT BOX DETAIL, SEE 4 C502

12" MIN

6" DIA. BACKFLOW PREVENTER ASSEMBLY

FINISH GRADE

DIRECTION OF FLOW

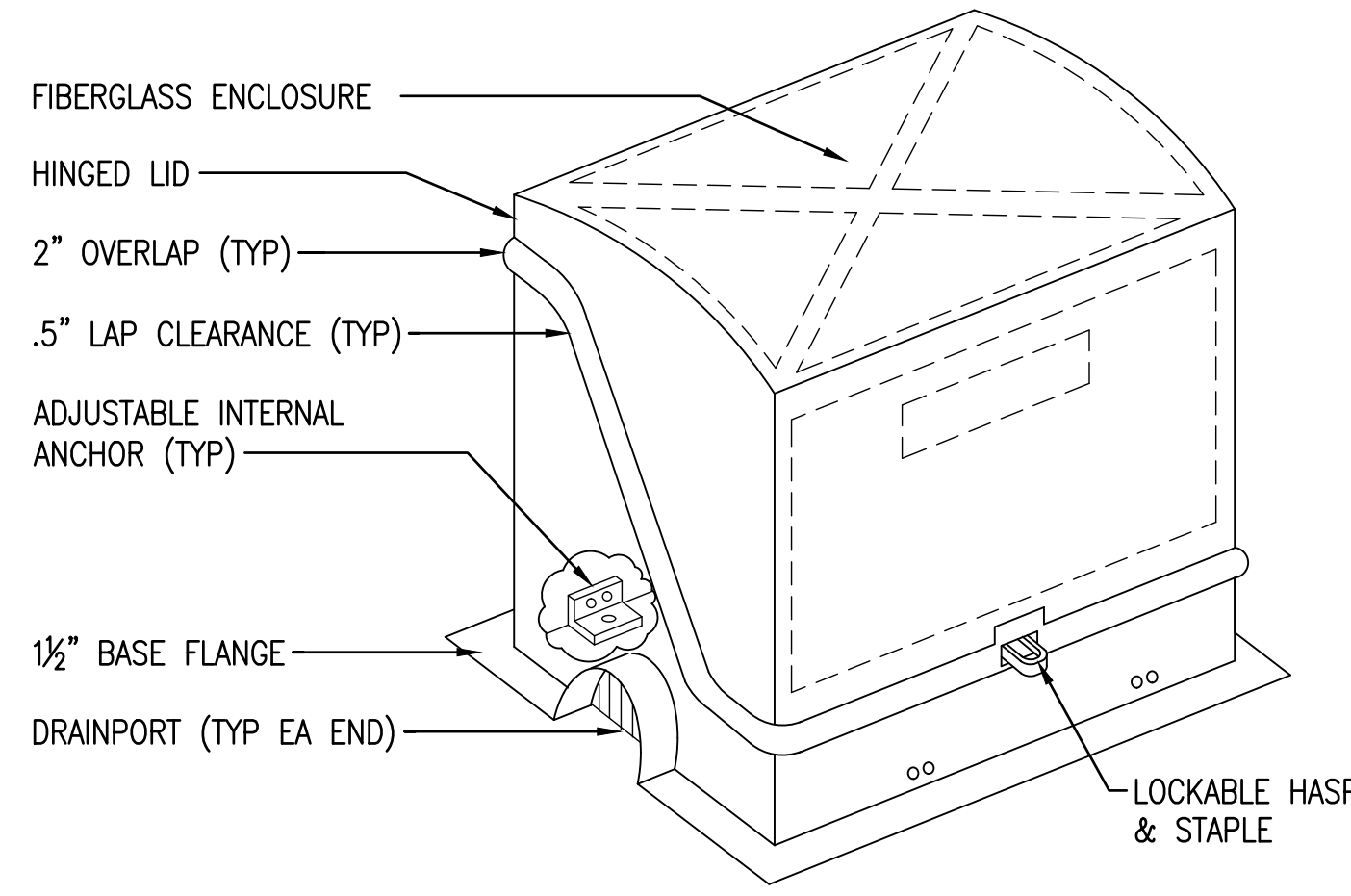
BACKFLOW PREVENTION DEVICE SHALL BE REDUCED PRESSURE ZONE TYPE

6"

6"

PIPING ABOVE GRADE TO HAVE 2.5" CELLULAR GLASS INSULATION WITH METAL JACKET. METAL JACKET SHALL HAVE SIDE & END LAPS AT LEAST 2" WIDE WITH THE CUT EDGE OF THE SIDE LAP TURNED UNDER 1" TO PROVIDE A SMOOTH EDGE. OVERLAP THE JACKET NOT LESS THAN 2" AT LONGITUDINAL AND CIRCUMFERENTIAL JOINTS AND SECURE WITH METAL BANDS NOT MORE THAN 9" CENTERS OR WITH SCREWS AT NOT MORE THAN 5" CENTERS. OVERLAP LONGITUDINAL JOINTS DOWN TO SHED WATER. SEAL CIRCUMFERENTIAL JOINTS WITH A COATING RECOMMENDED BY THE INSULATION MANUFACTURER FOR WATERPROOFING.

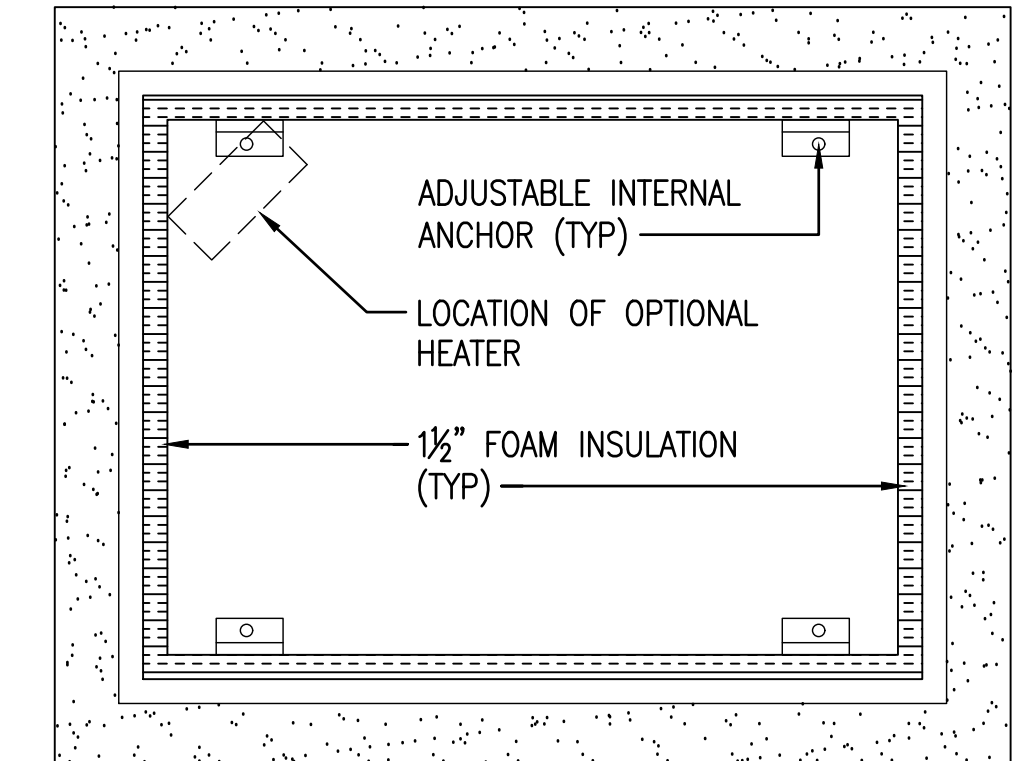
**3 BACKFLOW PREVENTER**  
C502 NO SCALE



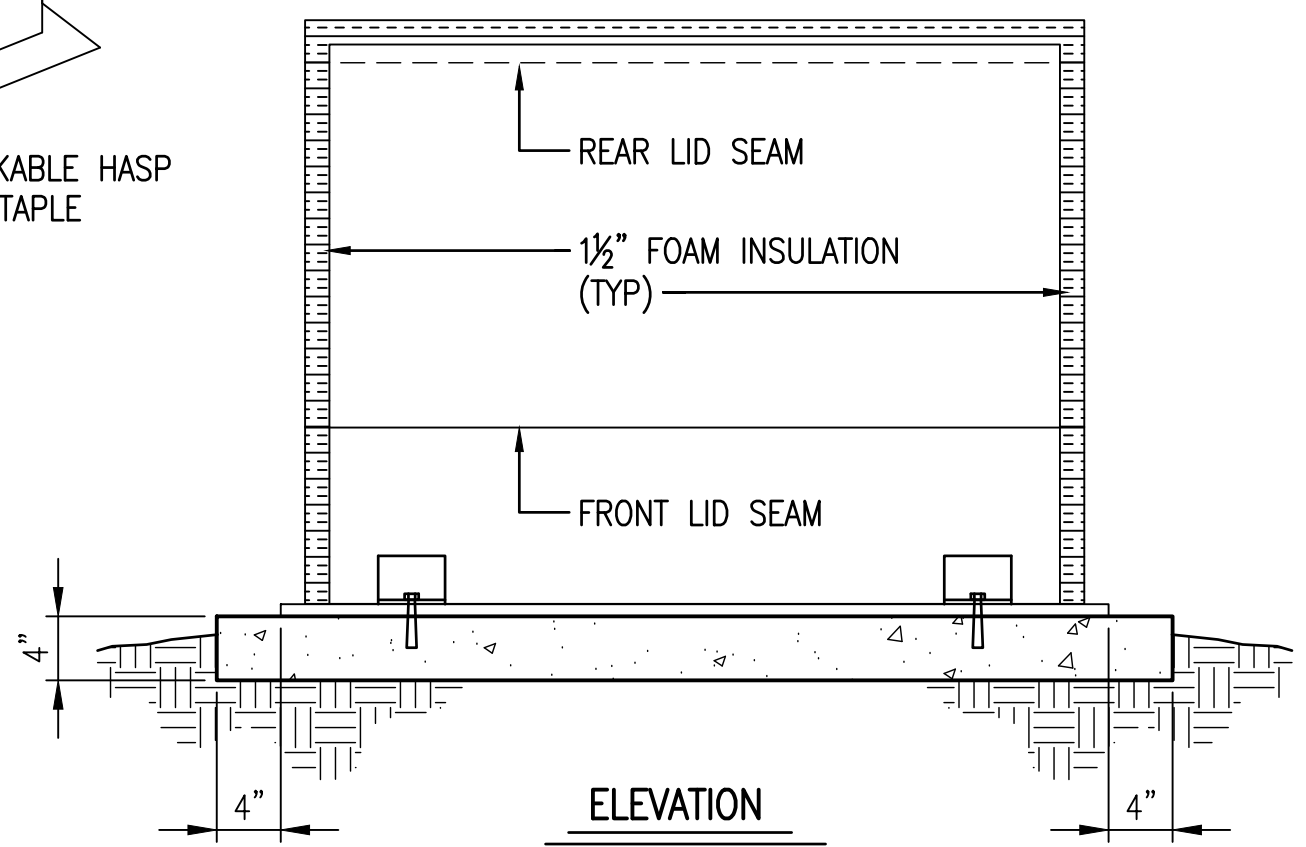
**NOTE:**

- COOR BOX SIZE W/ BACKFLOW PREVENTER PIPE SIZE & OVERALL DIMENSIONS
- PAINT COLOR SHALL BE TAN OR AS APPROVED BY OWNER
- 1 1/2" INSULATION: POLYISOCYANURATE, SPRAY APPLIED & BONDED

**5 BFP HOT BOX**  
C502 NO SCALE



**PLAN**



**ELEVATION**

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



**PROJECT ISSUES:**

SCHEMATIC DESIGN:	06/25/2023
DESIGN DEVELOPMENT:	08/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

**PROJECT TEAM:**

<u>CIVIL</u>	KENNETH HORNE & ASSOCIATES
<u>LANDSCAPING</u>	FORME DESIGN GROUP
<u>STRUCTURAL</u>	MCCARTHY ENGINEERING
<u>ARCHITECTURAL</u>	CALDWELL ASSOCIATES
<u>FIRE PROTECTION</u>	H.M. YOUNGE & ASSOCIATES
<u>MECHANICAL/PLUMBING</u>	H.M. YOUNGE & ASSOCIATES
<u>ELECTRICAL</u>	KLOCKE ASSOCIATES

**PROJECT:**

**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028

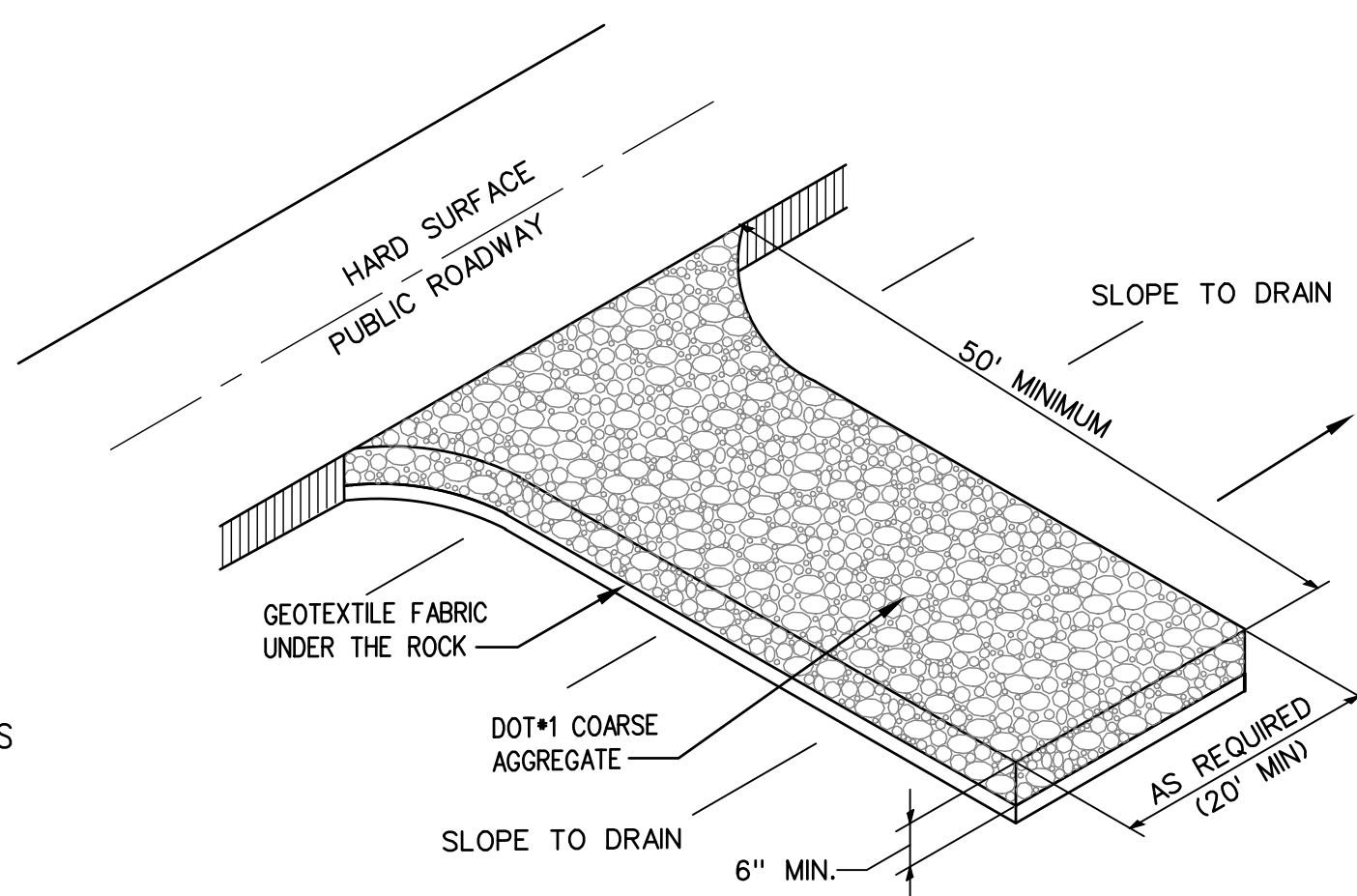
SHEET TITLE:  
DETAILS

SHEET NUMBER:

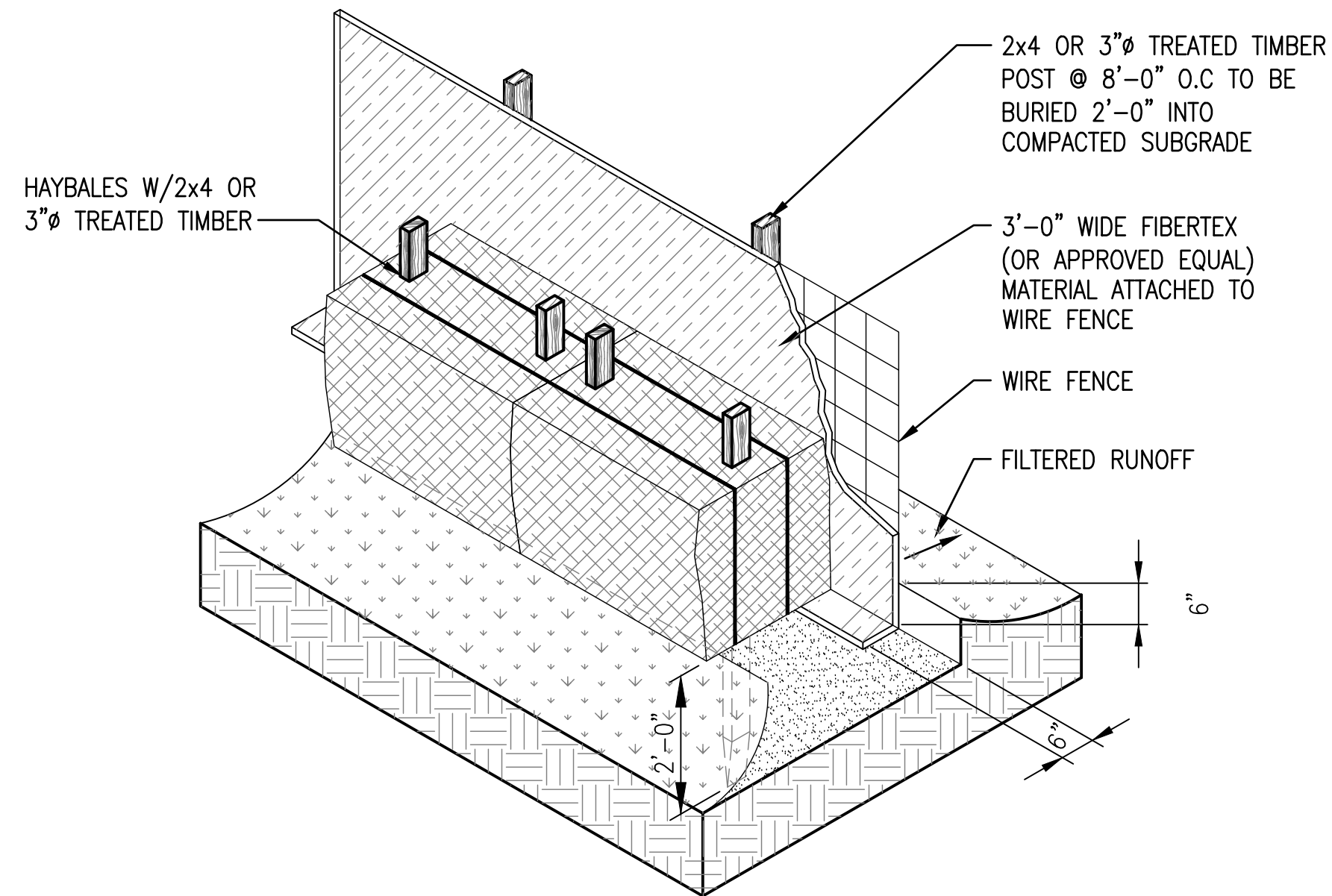
**C503**

**CONSTRUCTION ENTRANCE NOTES:**

1. THE AREA OF THE CONSTRUCTION ENTRANCE SHALL BE EXCAVATED 6 INCHES DEEP, 50 FEET LONG AND SHALL EXTEND THE FULL WIDTH OF ANY VEHICULAR INGRESS AND EGRESS (MINIMUM 20 FEET) LOCATED ON THE SITE.
2. THE ENTRANCE SHALL BE PROPERLY MAINTAINED FOR THE DURATION OF THE PROJECT TO PREVENT THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MAINTENANCE AND REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE ENTRANCE SHALL BE CHECKED ON A DAILY BASIS AND BEFORE & AFTER ANY RAINFALL EVENT FOR ANY DAMAGES. ANY DAMAGES FOUND SHALL BE REMEDIATED BEFORE THE DAYS END AT NO ADDITIONAL COST TO OWNER.
4. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT THE FLOW OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.
5. MEASURES SHALL BE TAKEN TO PREVENT VEHICULAR TRAFFIC FROM BYPASSING THE CONSTRUCTION ENTRANCE DURING INGRESS AND EGRESS.



**2** TEMPORARY CONSTRUCTION ENTRANCE DETAIL  
C503 NOT TO SCALE



NOTE: AT THE COMPLETION OF THE PROJECT AND AFTER SOIL STABILIZATION AND VEGETATIVE GROWTH HAVE BEEN ASSURED, SILT FENCE MUST BE COMPLETELY REMOVED AND THE EMBEDMENT TRENCH RESTORED TO A NATURAL CONDITION.

**1** CITY OF PENSACOLA  
EROSION CONTROL DETAIL  
C503 NO SCALE



**PROJECT ISSUES:**  
 SCHEMATIC DESIGN: 06/25/2023  
 DESIGN DEVELOPMENT: 08/21/2023  
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**  
 CIVIL: KENNETH HORNE & ASSOCIATES  
 LANDSCAPING: FORME DESIGN GROUP  
 STRUCTURAL: MCCARTHY ENGINEERING  
 ARCHITECTURAL: CALDWELL ASSOCIATES  
 FIRE PROTECTION: H.M. YOUNGE & ASSOCIATES  
 MECHANICAL/PLUMBING: H.M. YOUNGE & ASSOCIATES  
 ELECTRICAL: KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

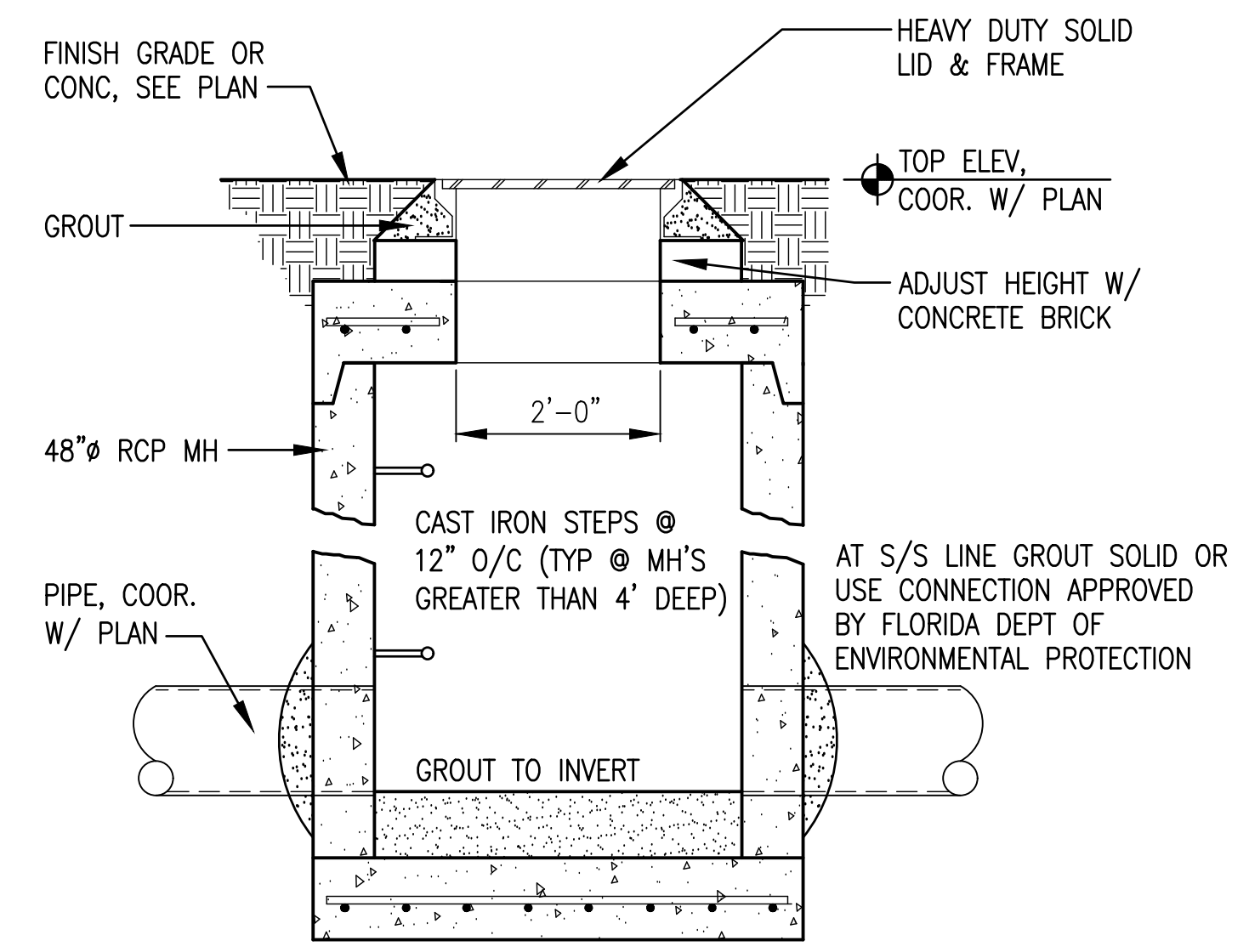
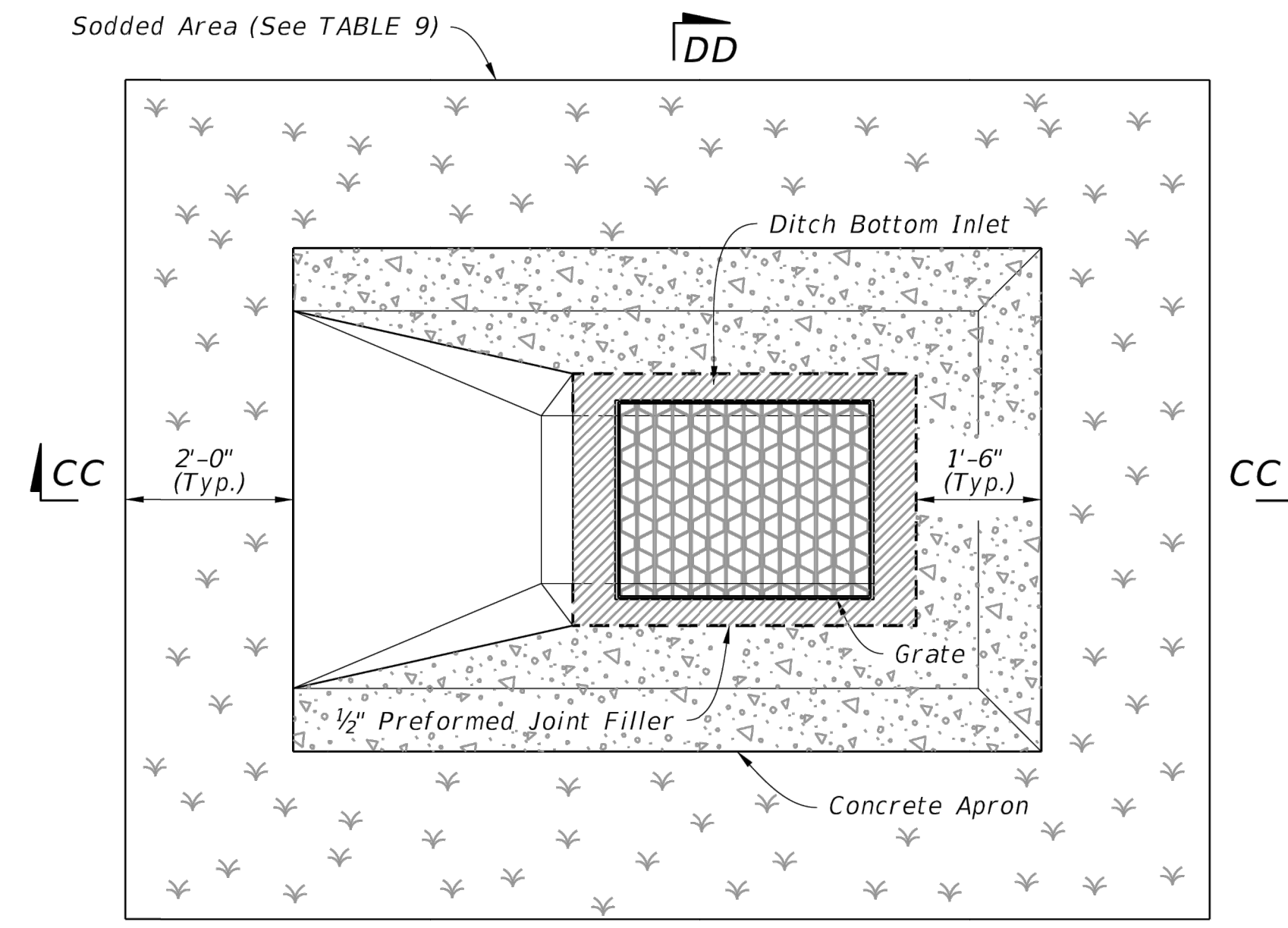
**3151 HYDE PARK RD.  
 PENSACOLA, FL**

**PROJECT NO. : 22028  
 SHEET TITLE: DETAILS**

**SHEET NUMBER:  
 C504**

**TABLE 9  
 CONCRETE APRON AND  
 SOD QUANTITIES**

SINGLE SLOT		
Inlet Type	Sod SY	Conc. CY
C	12	0.77
D	14	0.91
E	14	0.91
H	--	--

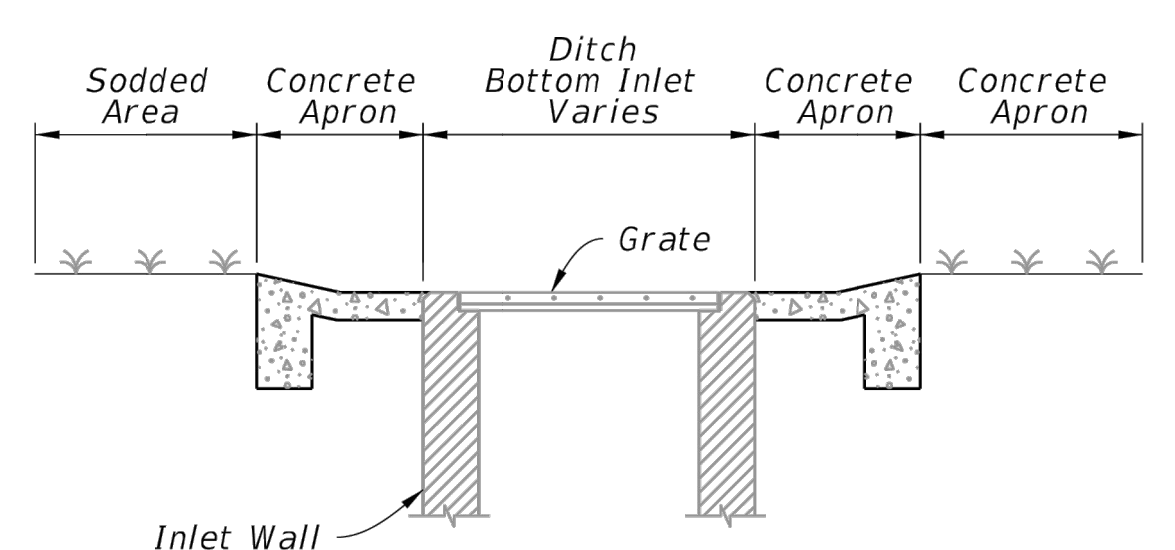


MANHOLES SHALL COMPLY W/ ASTM C478 IN ACCORDANCE W/ THE APPLICABLE PROVISIONS OF SECTION 5.2.1 OR 5.2.2 OF THE REFERENCED STANDARDS. ALL MATERIALS & REINFORCING SHALL NOT BE LESS THAN PRESCRIBED BY THE STANDARDS. RUBBER GASKETS SHALL COMPLY W/ ASTM C-443

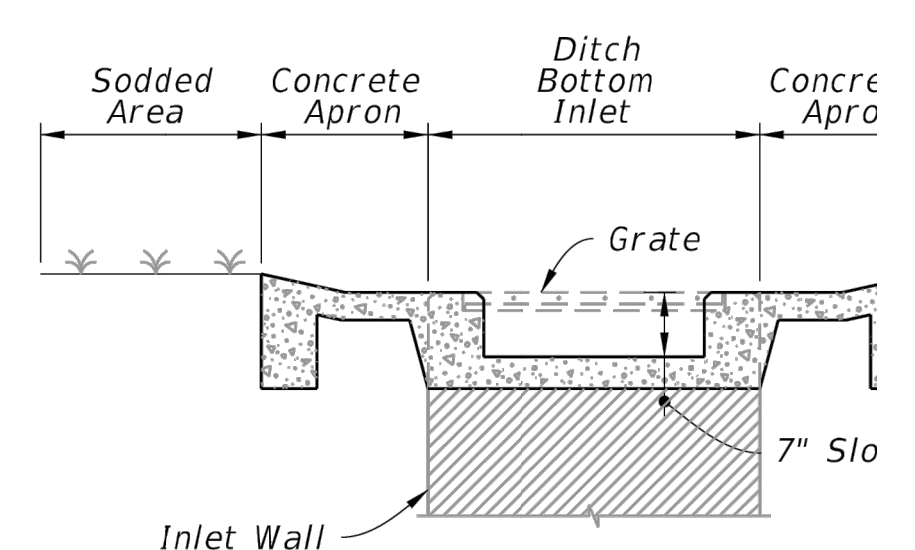
**SECTION CC-CC**

**SINGLE SLOT**

**2 JUNCTION & SSMH  
 C504 NO SCALE**



**SECTION DD-DD**



**SECTION FF-FF**

**1 TRVERSABLE INLET  
 W/ SINGLE SLOT DETAIL  
 C504 NO SCALE**

PRINT DATE: 12/15/2023 3:19 PM

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



**PROJECT ISSUES:**

SCHEMATIC DESIGN: 06/25/2023  
DESIGN DEVELOPMENT: 08/21/2023  
100% CONSTRUCTION DOCUMENTS: 11/17/2023

**PROJECT TEAM:**

**CIVIL**  
KENNETH HORNE & ASSOCIATES  
**LANDSCAPING**  
FORME DESIGN GROUP  
**STRUCTURAL**  
MCCARTHY ENGINEERING  
**ARCHITECTURAL**  
CALDWELL ASSOCIATES  
**FIRE PROTECTION**  
H.M. YOUNGE & ASSOCIATES  
**MECHANICAL/PLUMBING**  
H.M. YOUNGE & ASSOCIATES  
**ELECTRICAL**  
KLOCKE ASSOCIATES

**PROJECT:**  
**CREATIVE LEARNING ACADEMY**

**3151 HYDE PARK RD.  
PENSACOLA, FL**

PROJECT NO. : 22028  
SHEET TITLE:  
LIFT STATION DETAILS

SHEET NUMBER:

**C601**

**NOTES:**

CONTROL PANEL SHALL BE MOUNTED IN A NEMA 4X ENCLOSURE AND SHALL INCLUDE: LOCK HASP, CIRCUIT BREAKERS FOR EACH PUMP, ALTERNATING RELAY, HOA SWITCHES AND RUN LIGHTS FOR EACH PUMP, TERMINAL STRIP FOR CONNECTING PUMP AND CONTROL WIRES, TRANSFORMER TO PROVIDE 24 VOLT CONTROL CIRCUIT, SURGE/LIGHTNING PROTECTION, GENERATOR RECEPTACLE AND REQUIRED TO HAVE VISUAL AND AUDIBLE ALARM FOR HIGH LEVEL CONDITION. ELECTRICAL COMPONENTS INSIDE WETWELL SHALL COMPLY WITH NEC REQUIREMENTS FOR CLASS I GROUP D, DIVISION 1. EACH FLEXIBLE POWER CABLE SHALL BE PROVIDED WITH WATER TIGHT SEAL AND STRAIN RELIEF. ATTACH A DURABLE WEATHER RESISTANT SIGN VISIBLE TO THE PUBLIC IDENTIFYING "IN CASE OF EMERGENCY CALL 882-2477". PROVIDE 1" WATER SERVICE WITH RPZ BACKFLOW PREVENTOR AND HOSE BIBB. INSULATE ALL ABOVE GROUND COMPONENTS

**LIFT STATION SPECIFICATIONS**

SUBMERSIBLE GRINDER PUMP. THE PUMPS SHALL HAVE THE FOLLOWING FEATURES:

- CAST IRON MOTOR HOUSING AND VOLUTE
- HARDENED STAINLESS STEEL GRINDER COMPONENTS
- 416 SERIES STAINLESS STEEL SHAFT
- MECHANICAL SEALS - SILICON CARBIDE VS SILICON CARBIDE
- UPPER AND LOWER BALL BEARINGS

FASTENERS OF AISI 316 STAINLESS STEEL  
NITRILE RUBBER ELECTRIC CABLES AND "O" RINGS

1.15 MOTOR SERVICE FACTOR

GUIDE RAIL SYSTEMS SHALL CONSIST OF:

- ASTM A48, CLASS 40B CAST IRON BASE ELBOWS WITH FLANGED OUTLET
- ASTM A48, CLASS 40B CAST IRON PUMP SEALING FLANGE WITH BUNA GASKET. THE SEALING FLANGE SHALL CONNECT TO THE BASE BY A ROTATIONAL MOVEMENT THAT WILL COMPRESS THE GASKET BETWEEN THE TWO. METAL TO METAL SYSTEMS, OR SYSTEMS USING ONLY A LINEAR DOWNWARD MOTION TO SEAL WILL NOT BE ACCEPTABLE.
- 1" STAINLESS STEEL PIPE GUIDE RAILS
- STAINLESS STEEL UPPER GUIDE RAIL BRACKETS
- STAINLESS STEEL LIFTING CHAINS WITH STAINLESS STEEL SCREW PIN SHACKLES

MERCURY FLOAT SWITCHES SHALL BE THE SUSPENDED TYPE  
FLOAT AND PUMP ELECTRICAL CABLES SHALL EXTEND TO CONTROLLER TERMINALS  
FIBERGLASS BASIN SHALL BE BUILT BY A MANUFACTURER REGULARLY ENGAGED IN THE BUSINESS FOR A PERIOD OF NOT LESS THAN 5 YEARS.  
CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH ASTM D3753-99 AND SHALL INCLUDE AN ANTI-FLOTATION FLANGE AT THE BOTTOM. CONTRACTOR SHALL APPLY CONCRETE AROUND THE TOP OF THE FLANGE WITH A WEIGHT EQUAL TO THE BUOYANCY OF THE BASIN.  
THE STATION SHALL BE ASSEMBLED BY THE PUMP MANUFACTURER OR THEIR AUTHORIZED DISTRIBUTOR. THE COMPANY ASSEMBLING THE STATION SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE BUILDING THIS TYPE OF SYSTEM. THE PUMPS SHALL HAVE ALL GUIDE RAIL COMPONENTS, INCLUDING LIFTING CHAINS MOUNTED ON THEM AND SHIPPED LOOSE FOR FIELD INSTALLATION. THE CONTROLLER FLOAT SWITCHES AND SEALING ADAPTERS FOR THE ELECTRICAL AND INCOMING PIPE SHALL BE FIELD MOUNTED. THE REMAINING PORTION OF THE WET WELL AND VALVE BOX SHALL BE DELIVERED TO THE JOB SITE ASSEMBLED, REQUIRING ONLY THE DISCHARGE PIPES AND DRAIN TO BE COUPLED TOGETHER.

PUMP CONTROLLER, TO MEET LOCAL BUILDING CODES, D.E.P. STANDARDS AND BE UL LISTED: DUPLEX CONTROLLER SHALL BE IN A NEMA 4X FIBERGLASS ENCLOSURE WITH DEAD FRONT. CONTROLLER SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING COMPONENTS:

- 1 - MAIN POWER BREAKER
- 2 - POWER CIRCUIT BREAKERS
- 1 - CONTROL CIRCUIT BREAKER
- 2 - MAGNETIC STARTERS WITH OL PROTECTION
- 2 - HOA SELECTOR SWITCHES\*
- 1 - LIGHTING ARRESTER
- 1 - VOLTAGE MONITOR
- 2 - PUMP RUN LIGHTS\*
- 2 - ELAPSED TIME METERS\*
- 1 - FLASHING HIGH WATER ALARM LIGHT\*\*
- 1 - ALARM HORN/BUZZER\*\*
- 1 - SILENCE BUTTON\*\*
- 1 - ALARM TEST SWITCH\*
- 1 - 115v GFI convenience receptacle
- 1 - GENERATOR RECEPTACLE FOR AUXILIARY POWER
- 1 - EMERGENCY TRANSFER SWITCH TO MOVE FROM UTILITY POWER TO STANDBY GENERATOR POWER\*
- 1 - 12 VOLT BATTERY BACKUP SYSTEM WITH CHARGER.
- 1 - POWER FAILURE ALARM AND UNAUTHORIZED ENTRY ALARM

\* - MOUNTED ON OR THROUGH INNER DOOR  
\*\* - MOUNTED ON OUTSIDE OF ENCLOSURE

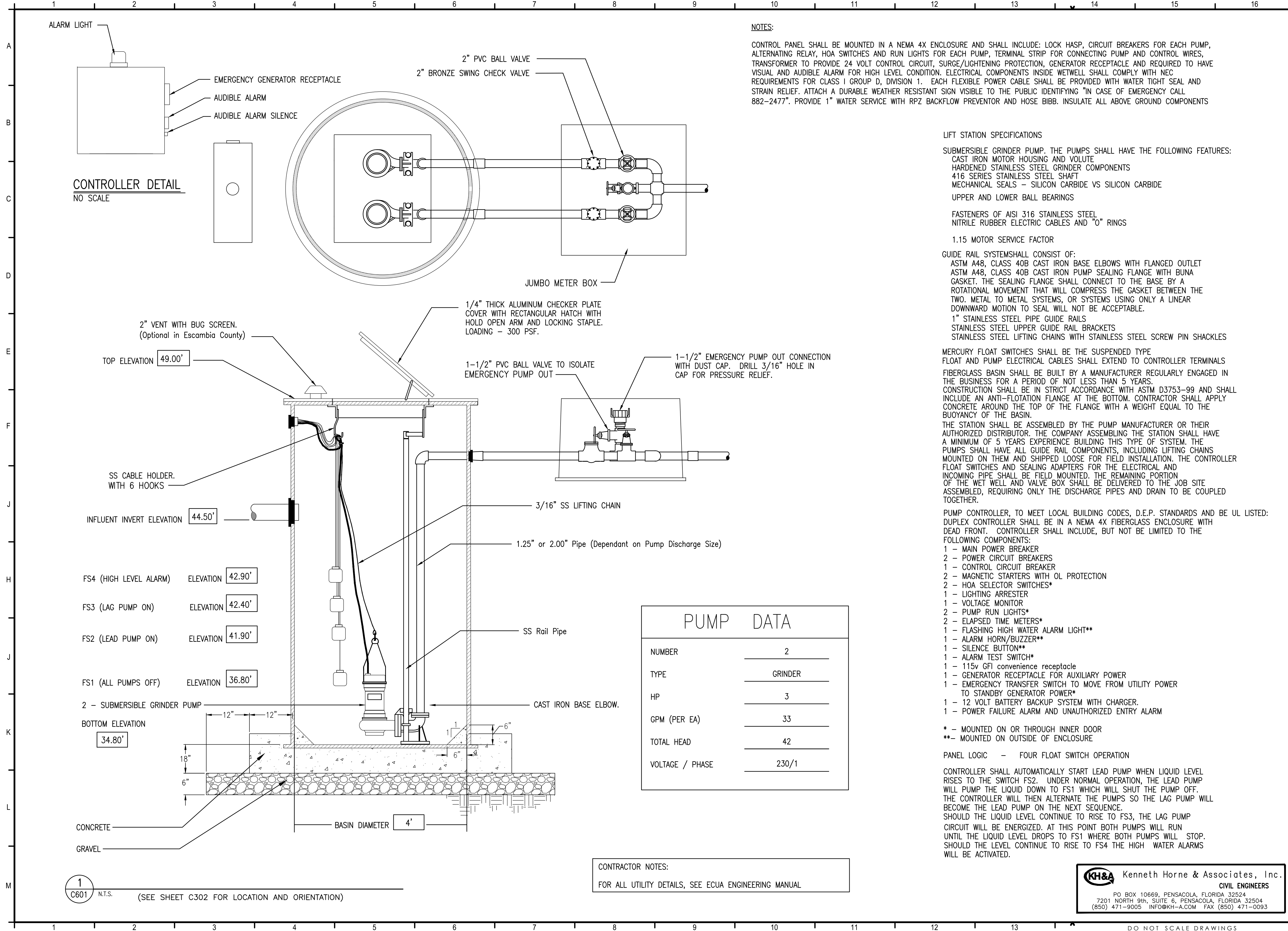
PANEL LOGIC - FOUR FLOAT SWITCH OPERATION

CONTROLLER SHALL AUTOMATICALLY START LEAD PUMP WHEN LIQUID LEVEL RISES TO THE SWITCH FS2. UNDER NORMAL OPERATION, THE LEAD PUMP WILL PUMP THE LIQUID DOWN TO FS1 WHICH WILL SHUT THE PUMP OFF. THE CONTROLLER WILL THEN ALTERNATE THE PUMPS SO THE LAG PUMP WILL BECOME THE LEAD PUMP ON THE NEXT SEQUENCE. SHOULD THE LIQUID LEVEL CONTINUE TO RISE TO FS3, THE LAG PUMP CIRCUIT WILL BE ENERGIZED. AT THIS POINT BOTH PUMPS WILL RUN UNTIL THE LIQUID LEVEL DROPS TO FS1 WHERE BOTH PUMPS WILL STOP. SHOULD THE LEVEL CONTINUE TO RISE TO FS4 THE HIGH WATER ALARMS WILL BE ACTIVATED.

PUMP DATA	
NUMBER	2
TYPE	GRINDER
HP	3
GPM (PER EA)	33
TOTAL HEAD	42
VOLTAGE / PHASE	230/1

**CONTRACTOR NOTES:**  
FOR ALL UTILITY DETAILS, SEE ECUA ENGINEERING MANUAL

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9TH, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



**CONTROLLER DETAIL**  
NO SCALE

TOP ELEVATION 49.00'

INFLUENT INVERT ELEVATION 44.50'

FS4 (HIGH LEVEL ALARM) ELEVATION 42.90'

FS3 (LAG PUMP ON) ELEVATION 42.40'

FS2 (LEAD PUMP ON) ELEVATION 41.90'

FS1 (ALL PUMPS OFF) ELEVATION 36.80'

BOTTOM ELEVATION 34.80'

CONCRETE

GRAVEL

1 C601 N.T.S. (SEE SHEET C302 FOR LOCATION AND ORIENTATION)

PRINT DATE: 12/15/2023 3:19 PM