

CREATIVE LEARNING ACADEMY NEW MIDDLE SCHOOL BUILDING

3151 HYDE PARK RD
PENSACOLA, FLORIDA 32503

PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

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:
COVER

SHEET NUMBER:

C001

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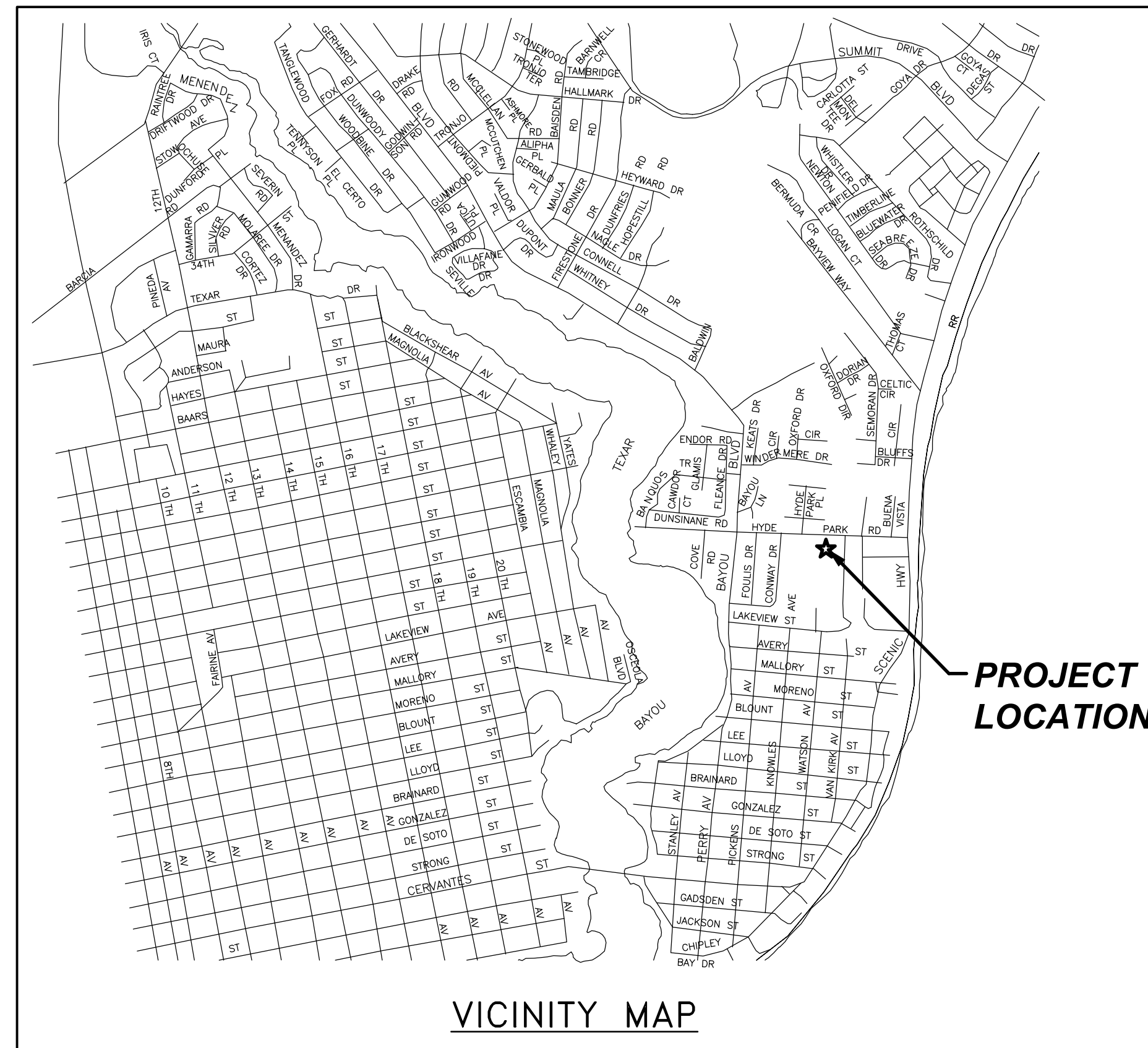
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OWNER/DEVELOPER:

CREATIVE LEARNING ACADEMY
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ENGINEER:

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7201 N. 9th AVENUE, SUITE 6
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KHA KHA CIVIL ENGINEERS, INC.
CIVIL ENGINEERS
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FL CERTIFICATE OF AUTHORIZATION NO. 8268

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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.

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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:

- 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.
- THE SURVEY DATUM AS SHOWN HEREON IS REFERENCED TO THE DESCRIPTION AS FURNISHED AND TO EXISTING FIELD MONUMENTATION.
- 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.
- 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.
- THIS SURVEY DOES NOT DETERMINE OWNERSHIP.
- 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.
- THE MEASUREMENTS AS SHOWN HEREON WERE MADE TO UNITED STATES STANDARDS.
- THE MEASUREMENTS OF THE BUILDINGS AND/OR FOUNDATIONS SHOWN HEREON DO NOT INCLUDE CONCRETE FOOTERS OR EAVE OVERHANGS.
- FENCE LOCATIONS SHOWN HEREON MAY BE EXAGGERATED AND NOT TO SCALE FOR CLARITY PURPOSES
- 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.
- 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.
- THIS SURVEY MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS BY COUNTY, STATE OR OTHER AGENCIES.
- ENCROACHMENTS ARE AS SHOWN.
- 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.
- 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
- T ~ TRANSFORMER
- UP ~ UTILITY POLE
- GA ~ GUY ANCHOR
- S ~ 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: 6/25/2023
- DESIGN DEVELOPMENT: 8/21/2023
- 100% CONSTRUCTION DOCUMENTS: 11/17/2023

- REVISION 1 - 2/20/24 CIVIL ONLY
- REVISION 2 - 2/28/24 RFI REVISIONS
- REVISION 3 - 3/21/24 CP COMMENTS

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- ELECTRICAL**
KLOCKE ASSOCIATES

PROJECT: CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD. PENSACOLA, FL

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

SHEET NUMBER:

C002

KHA KHA CIVIL ENGINEERS, INC.
CIVIL ENGINEERS
7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
(850) 471-9005 INFO@KHA.COM FAX (850) 471-0093
FL CERTIFICATE OF AUTHORIZATION NO. 8268

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ENGINEER:

KHA CIVIL ENGINEERS, 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

TOTAL LOT SIZE = 3.8324 ACRES (166,939 SF)

PROPERTY ADDRESS:
3151 HYDE PARK ROAD
PENSACOLA, FL 32503

BUILDING LOT COVERAGE (MAX 30%) = 50,082 SF
*PROPOSED BUILDING LOT COVERAGE = 40,078 SF

*BUILDING FOOTPRINTS ONLY
EXCLUDING SIDEWALKS, AND PARKING LOTS

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.
- 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



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License No: AR0007462 | License No: ID0003848

PROJECT ISSUES:

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- DESIGN DEVELOPMENT: 8/21/2023
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- KLOCKE ASSOCIATES

PROJECT:

CREATIVE LEARNING ACADEMY

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

PROJECT NO. : 22028

SHEET TITLE:
CIVIL NOTES & LEGEND

SHEET NUMBER:

C003

7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
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FL CERTIFICATE OF AUTHORIZATION NO. 8268

PRINT DATE: 4/25/2024 2:54 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, 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, QUARRY 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 (LOULUM 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

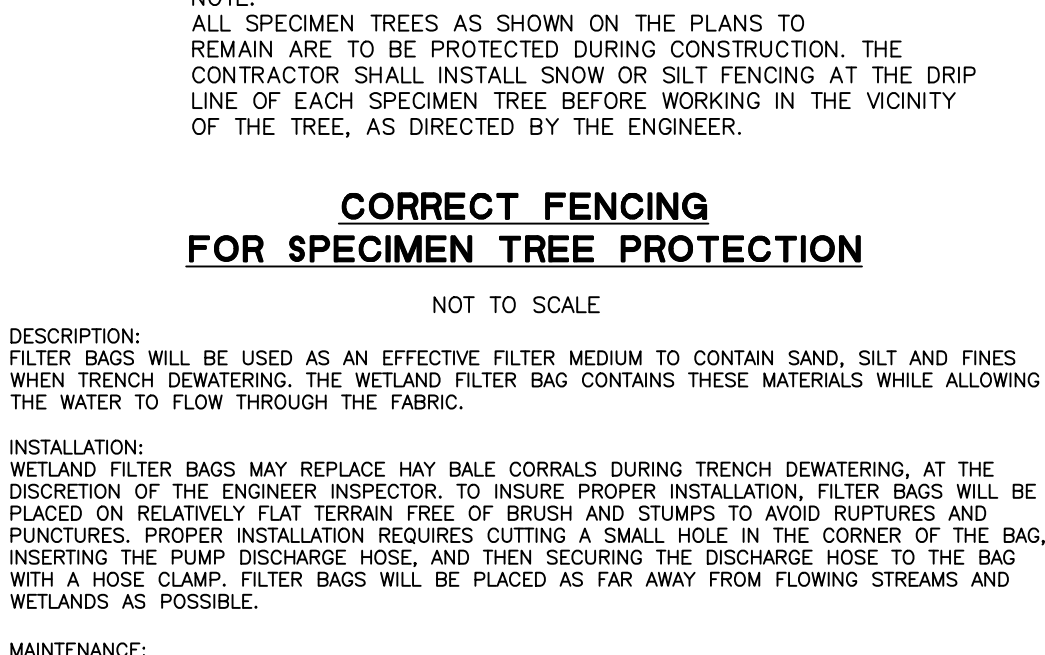
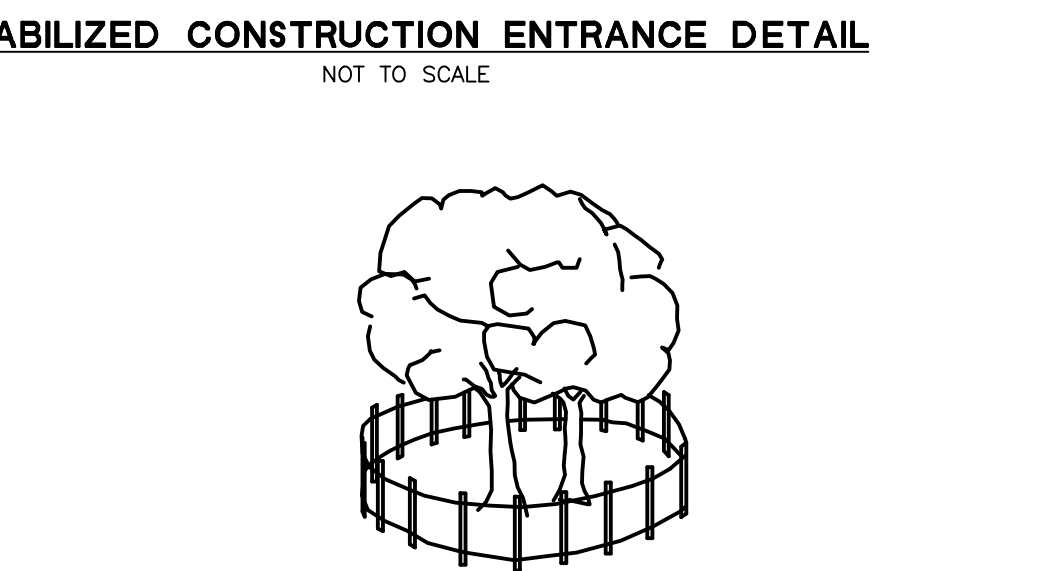
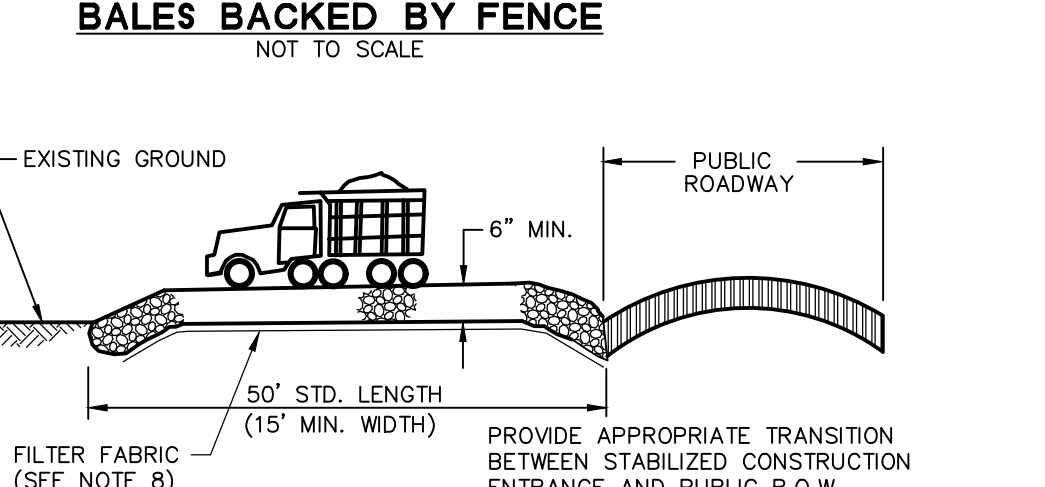
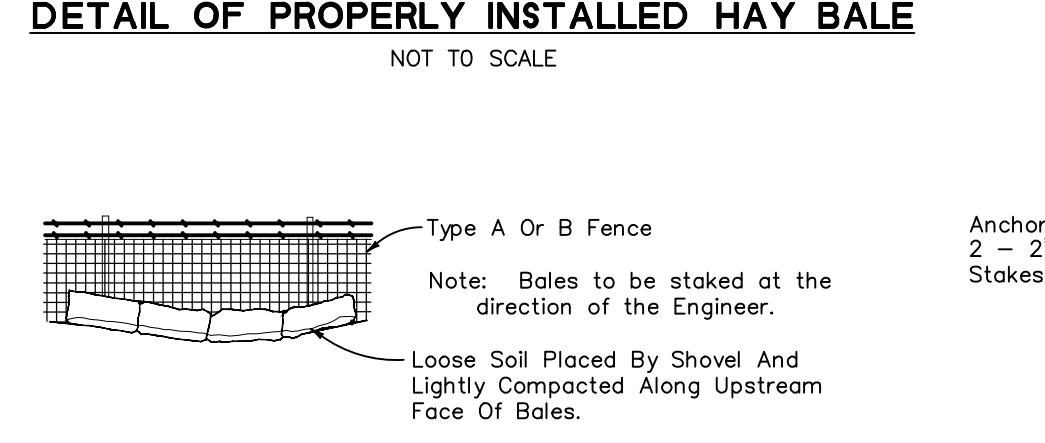
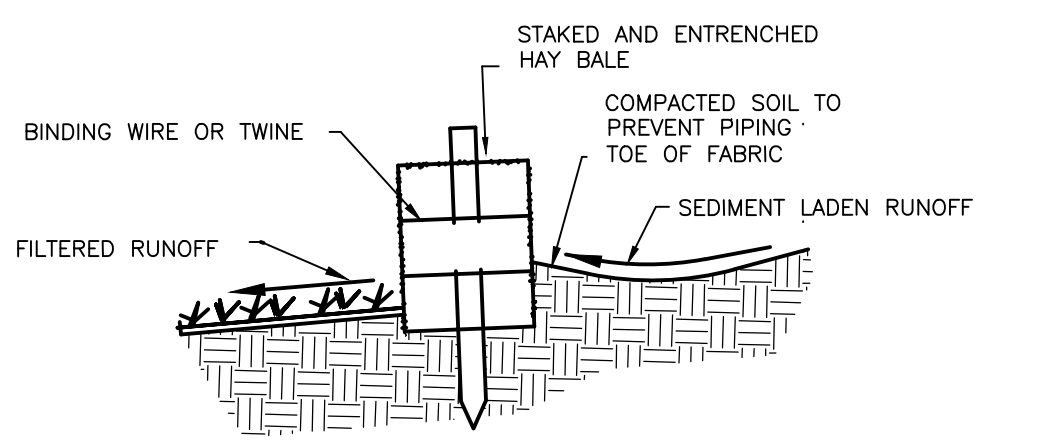
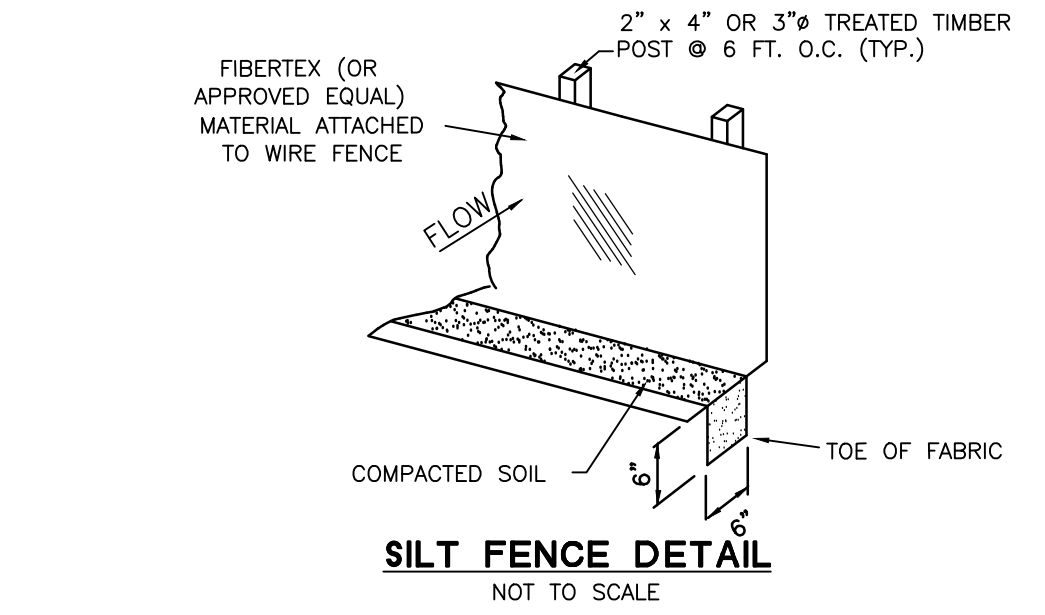
1. DAMAGED TRUNKS OR EXPOSED ROOTS WILL BE PAINTED IMMEDIATELY WITH A QUALITY GRADE OF "TREE PAINT".
2. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT AREA PAINTED IMMEDIATELY WITH A QUALITY GRADE OF TREE PAINT.

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.



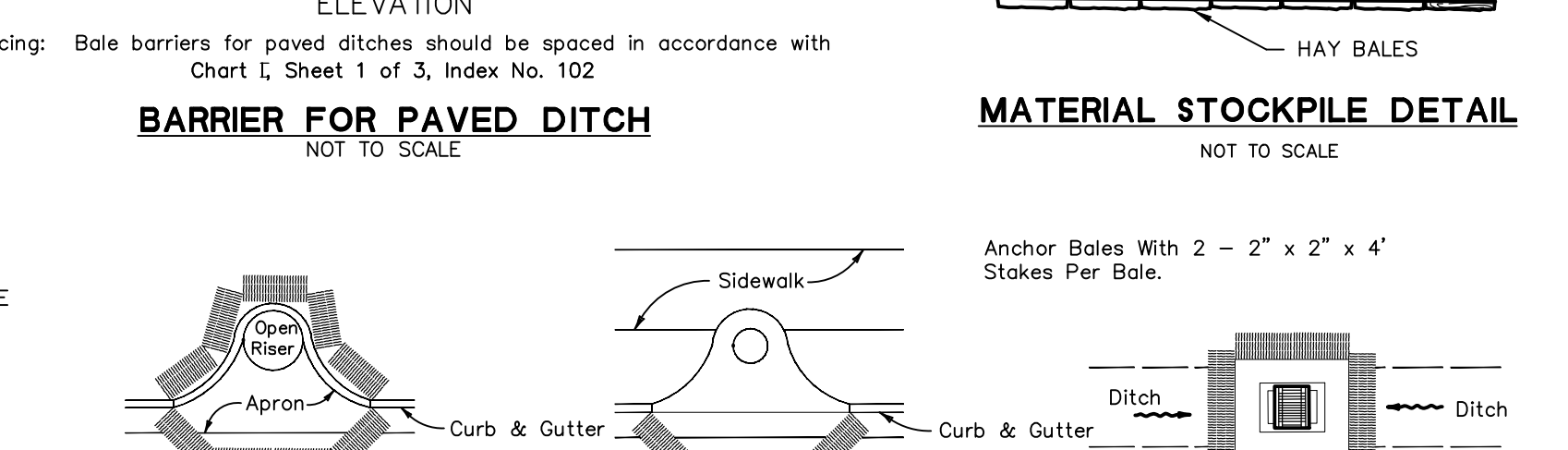
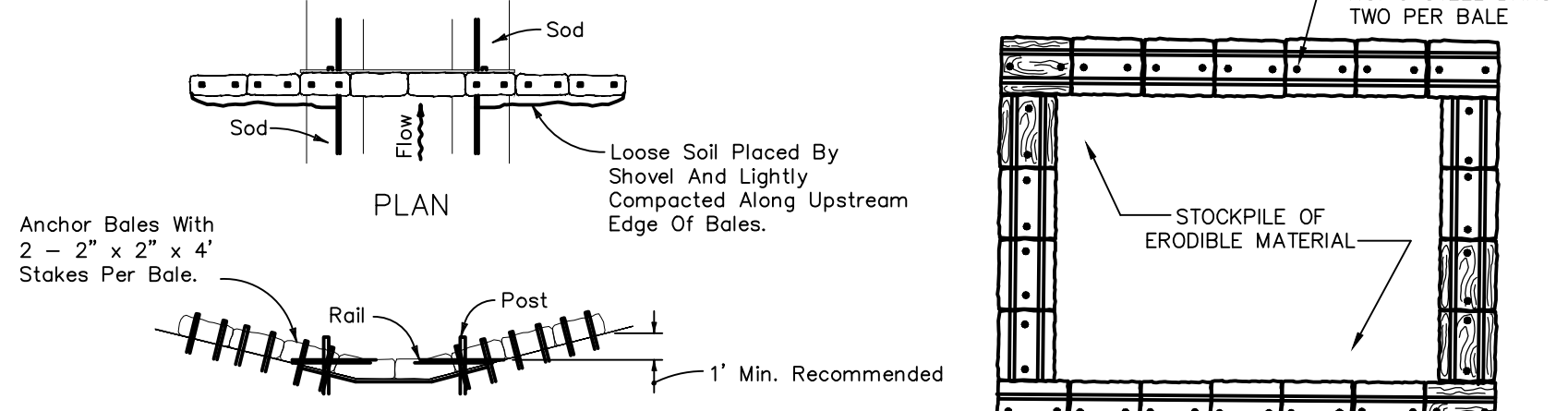
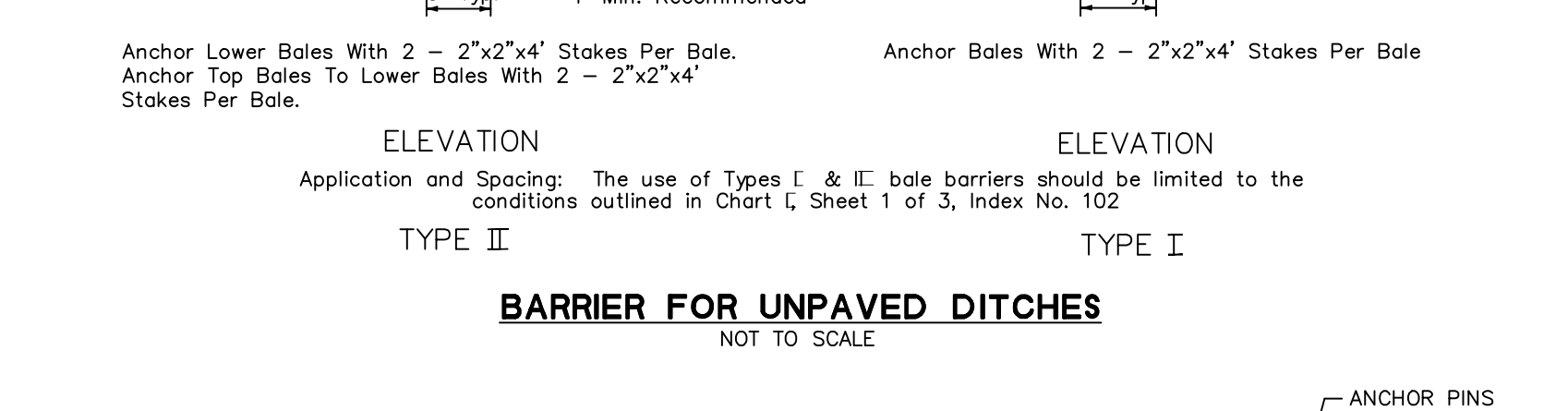
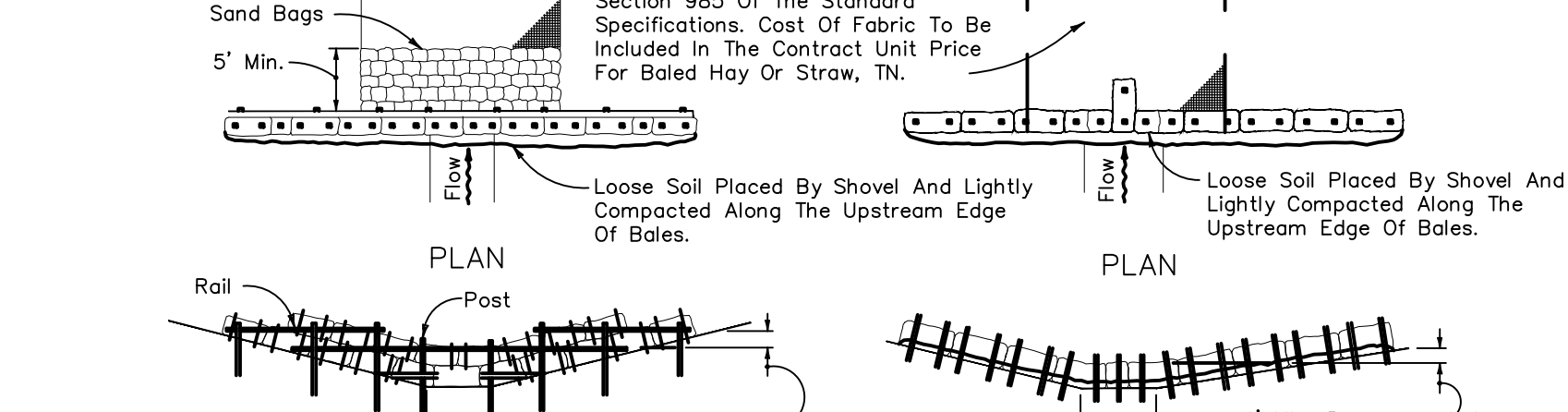
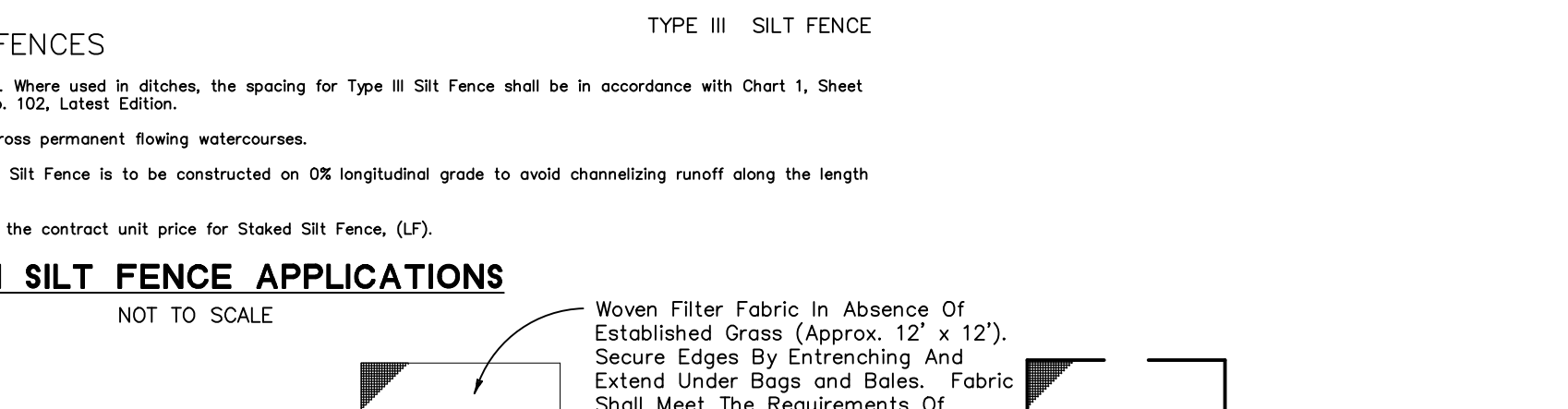
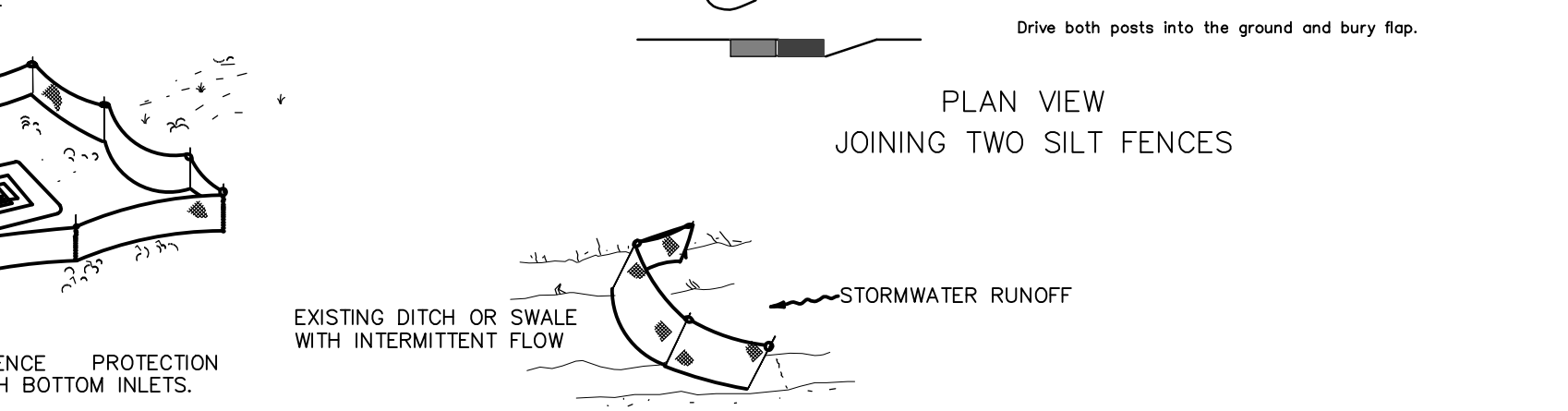
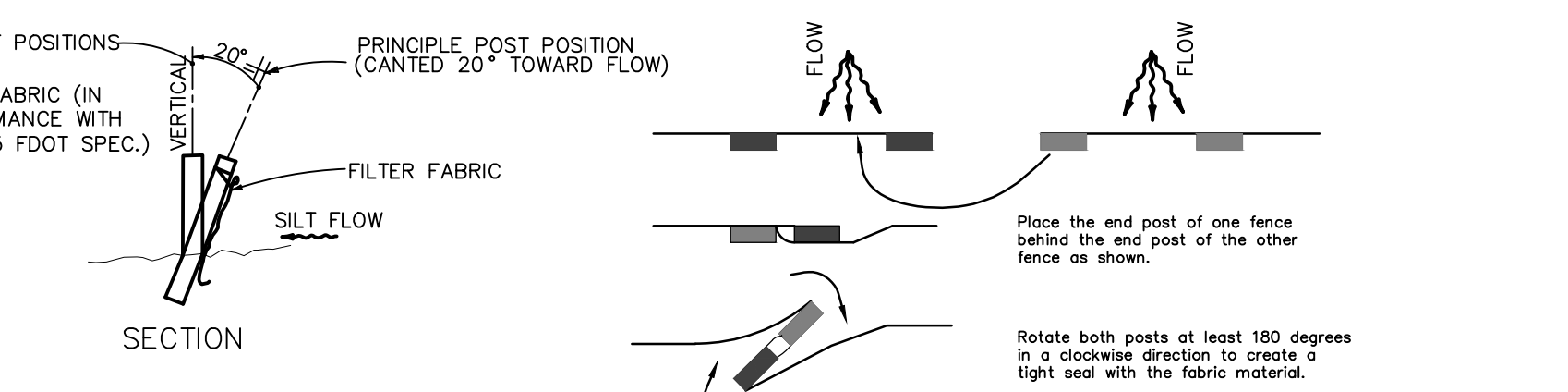
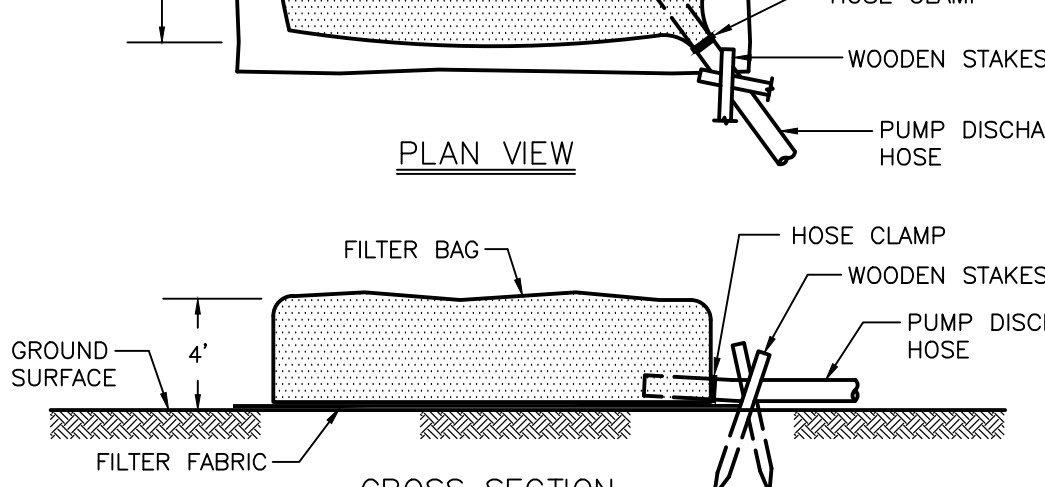
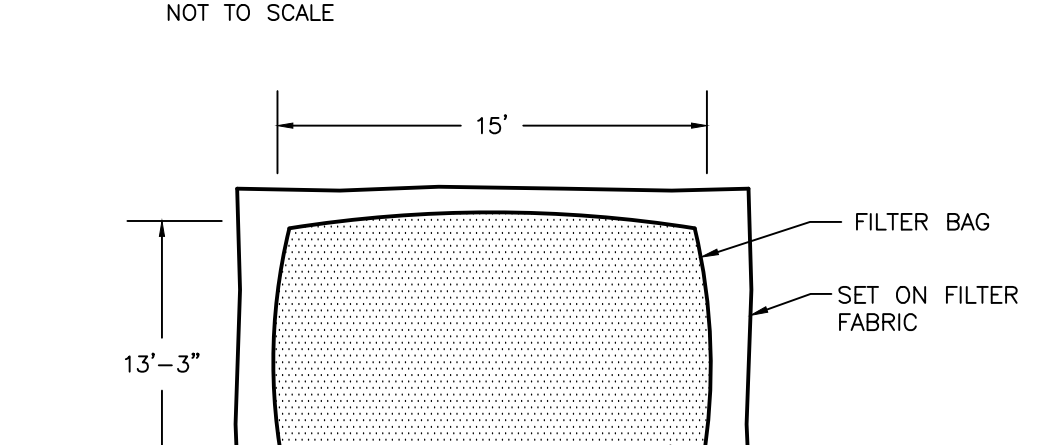
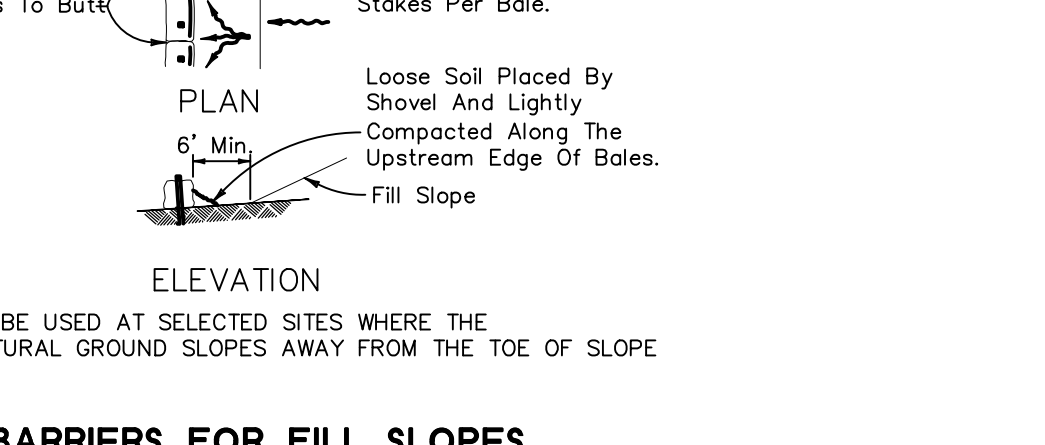
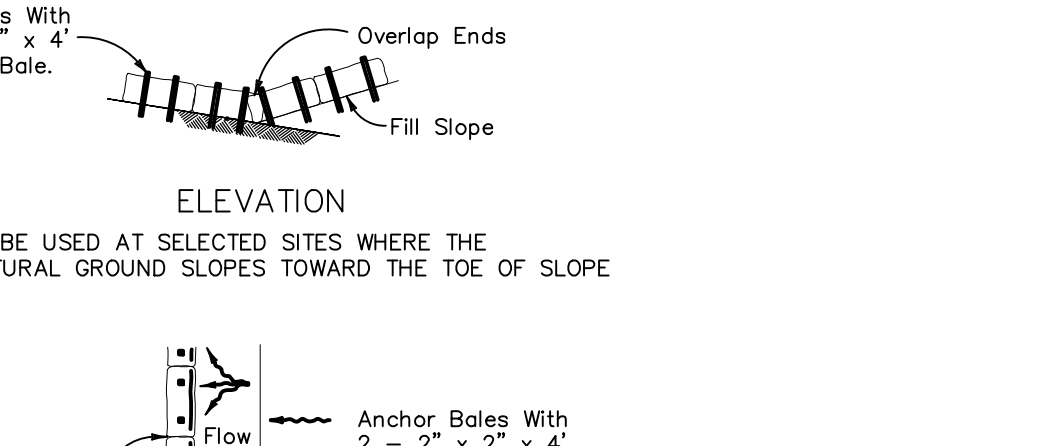
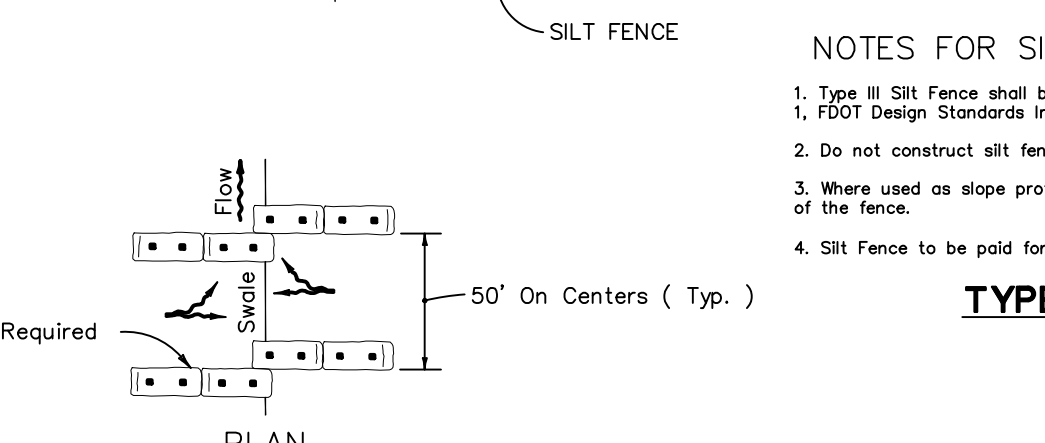
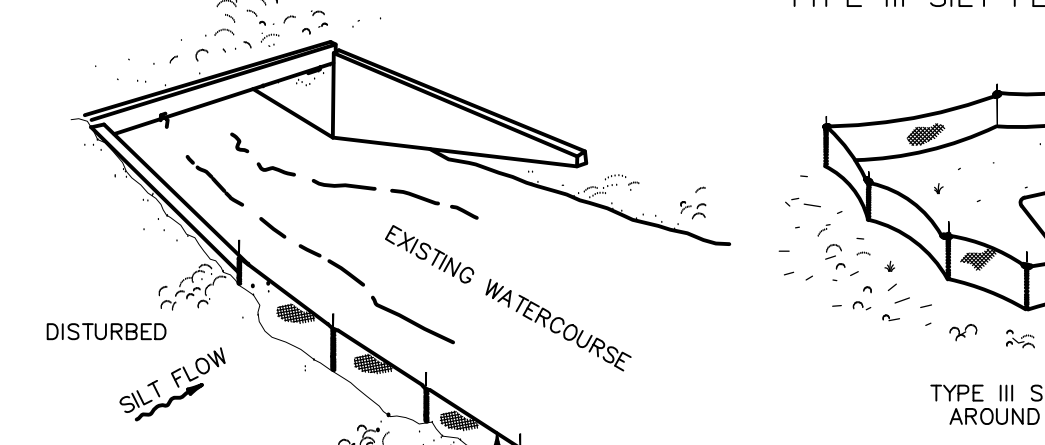
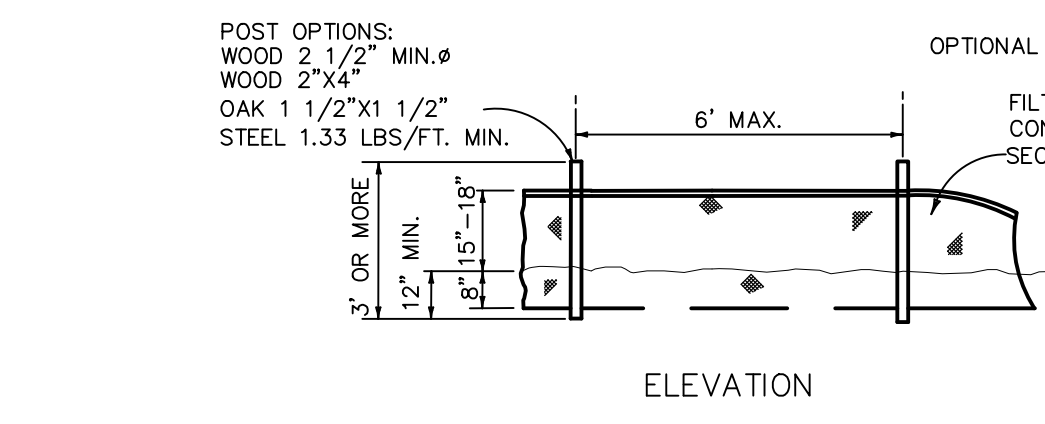
NOTE: ALL SPECIMEN TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL SNOW OR SILT FENCING AT THE DRIP LINE OF EACH SPECIMEN TREE BEFORE WORKING IN THE VICINITY OF THE TREE, AS DIRECTED BY THE ENGINEER.

DESCRIPTION: FILTER BAGS WILL BE USED AS AN EFFECTIVE FILTER MEDIUM TO CONTAIN SAND, SILT AND FINES WHEN TRENCH DEWATERING. THE WETLAND FILTER BAG CONTAINS THESE MATERIALS WHILE ALLOWING THE WATER TO FLOW THROUGH THE FABRIC.

INSTALLATION: WETLAND FILTER BAGS MAY REPLACE HAY BALE CORRALS DURING TRENCH DEWATERING, AT THE DISCRETION OF THE ENGINEER INSPECTOR. TO INSURE PROPER INSTALLATION, FILTER BAGS WILL BE PLACED ON RELATIVELY FLAT TERRAIN FREE OF BRUSH AND STUMPS TO AVOID RUPTURES AND PUNCTURES. PROPER INSTALLATION REQUIRES CUTTING A SMALL HOLE IN THE CORNER OF THE BAG, INSERTING THE PUMP DISCHARGE HOSE, AND THEN SECURING THE DISCHARGE HOSE TO THE BAG WITH A HOSE CLAMP. FILTER BAGS WILL BE PLACED AS FAR AWAY FROM FLOWING STREAMS AND WETLANDS AS POSSIBLE.

MAINTENANCE: PRIOR TO REMOVING A BAG FROM THE HOSE, THE BAG WILL BE TIED OFF BELOW THE END OF THE HOSE ALLOWING THE BAG TO DRAIN. DRAINAGE WILL NOT BE ALLOWED THROUGH THE INLET HOLE. TO AVOID RUPTURE, THE BAGS WILL BE ATTENDED AND PUMPING RATES MONITORED. ONCE THE BAG IS INFLATED TO A HEIGHT OF 4 FEET, PUMPING WILL STOP TO AVOID RUPTURE. FILTER BAGS USED DURING CONSTRUCTION WILL BE BUNDLED AND REMOVED FOR PROPER DISPOSAL.

SPECIFICATION: FILTER BAGS ARE CONSTRUCTED OF NON-WOVEN GEOTEXTILE FABRIC. A MAXIMUM OF ONE SIX INCH DISCHARGE HOSE WILL BE ALLOWED PER FILTER BAG. BAG CAPACITY WILL BE EXCEEDED BEYOND 2,000 GALLONS PER MINUTE. TYPICAL BAG DIMENSIONS ARE 15 FEET BY 13.25 FEET. TO HELP PREVENT PUNCTURES, GEOTEXTILE FABRIC WILL BE PLACED BENEATH THE FILTER BAG WHEN USED IN WOODED LOCATIONS. UNATTENDED FILTER BAGS WILL BE ENCIRCLED WITH A HAY BALE OR SILT FENCE CORRAL. HOSE CLAMPS WILL BE USED TO SECURE THE DISCHARGE HOSE, WIRE OR STRING WILL NOT BE USED.



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PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023
REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS
CONFORMANCE SET 4/16/2024

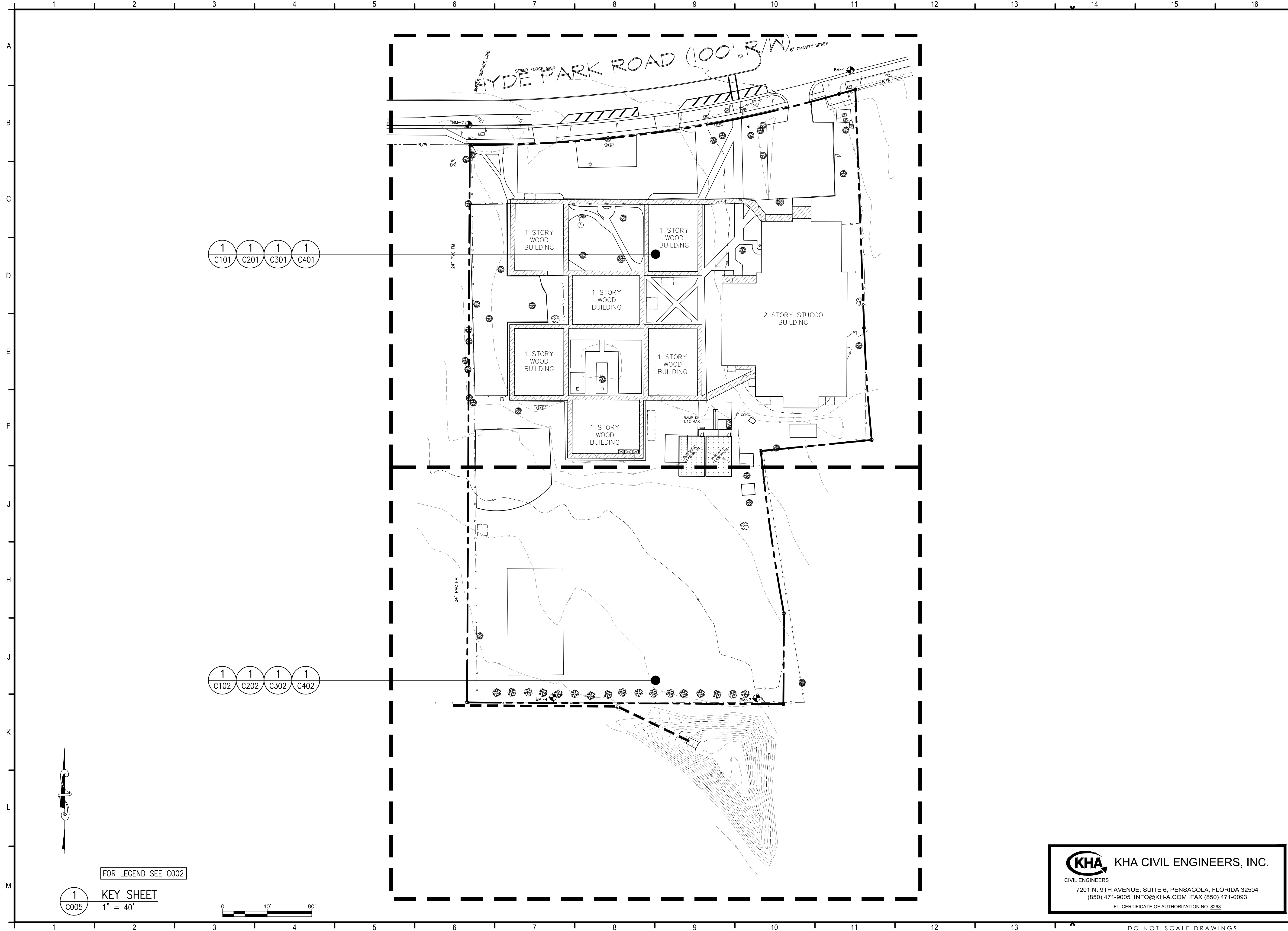
PROJECT TEAM:
CIVIL: KENNETH HORNE & ASSOCIATES
LANDSCAPING: FORME DESIGN GROUP
STRUCTURAL: MCCARTHY ENGINEERING
ARCHITECTURAL: CALDWELL ASSOCIATES
FIRE PROTECTION: H.M. YOUNG & ASSOCIATES
MECHANICAL/PLUMBING: H.M. YOUNG & ASSOCIATES
ELECTRICAL: KLOCKE ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY
3151 HYDE PARK RD.
PENSACOLA, FL

PROJECT NO. : 22028
SHEET TITLE: SWPPP DETAILS
SHEET NUMBER: C004

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CONFORMANCE SET 4/16/2024

- 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

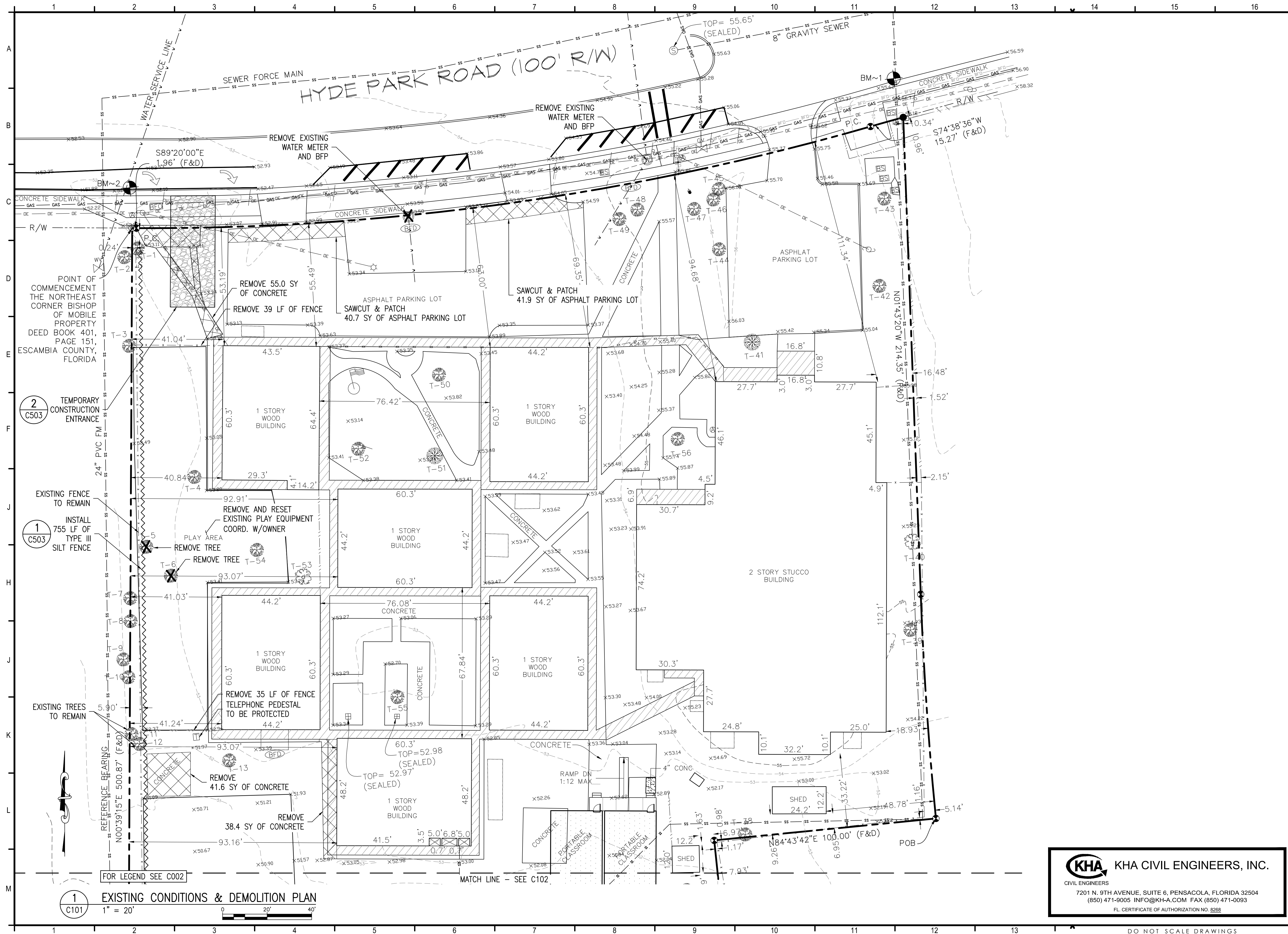
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C005

KHA KHA CIVIL ENGINEERS, INC.
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FOR LEGEND SEE C002

1 KEY SHEET
 1" = 40'

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PROJECT ISSUES:
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 100% CONSTRUCTION DOCUMENTS: 11/17/2023

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 REVISION 3 - 3/21/24 CP COMMENTS
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PROJECT TEAM:
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 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

KHA KHA CIVIL ENGINEERS, INC.
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REVISION 3 - 3/21/24 CP COMMENTS
CONFORMANCE SET 4/16/2024

PROJECT TEAM:
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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

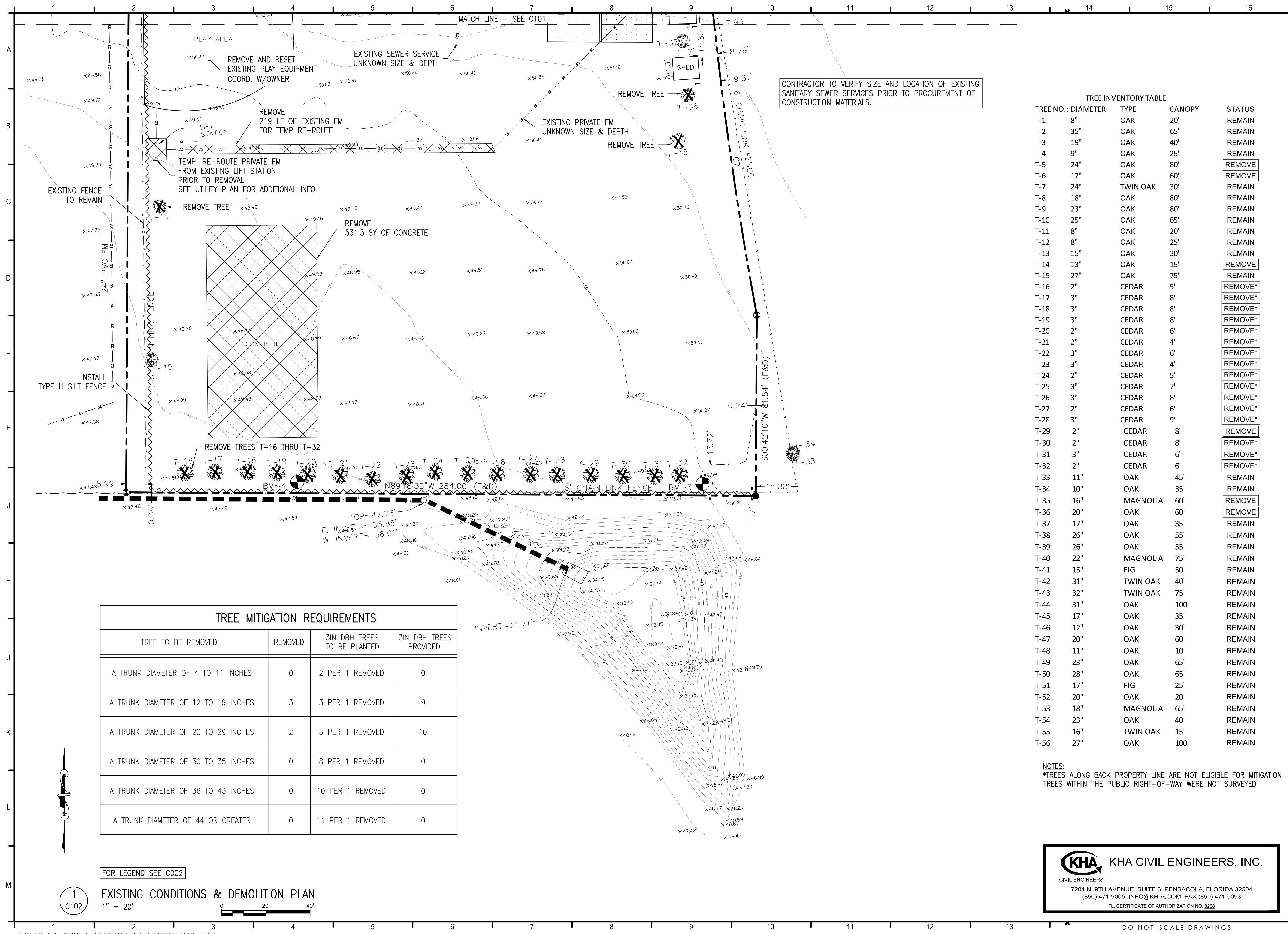
PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD. PENSACOLA, FL

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

SHEET NUMBER:

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'	REMOVE
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'	REMAIN
T-12	8"	OAK	25'	REMAIN
T-13	15"	OAK	30'	REMAIN
T-14	13"	OAK	15'	REMOVE
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'	REMOVE
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

TREE MITIGATION REQUIREMENTS			
TREE TO BE REMOVED	REMOVED	3IN DBH TREES TO BE PLANTED	3IN DBH TREES PROVIDED
A TRUNK DIAMETER OF 4 TO 11 INCHES	0	2 PER 1 REMOVED	0
A TRUNK DIAMETER OF 12 TO 19 INCHES	3	3 PER 1 REMOVED	9
A TRUNK DIAMETER OF 20 TO 29 INCHES	2	5 PER 1 REMOVED	10
A TRUNK DIAMETER OF 30 TO 35 INCHES	0	8 PER 1 REMOVED	0
A TRUNK DIAMETER OF 36 TO 43 INCHES	0	10 PER 1 REMOVED	0
A TRUNK DIAMETER OF 44 OR GREATER	0	11 PER 1 REMOVED	0

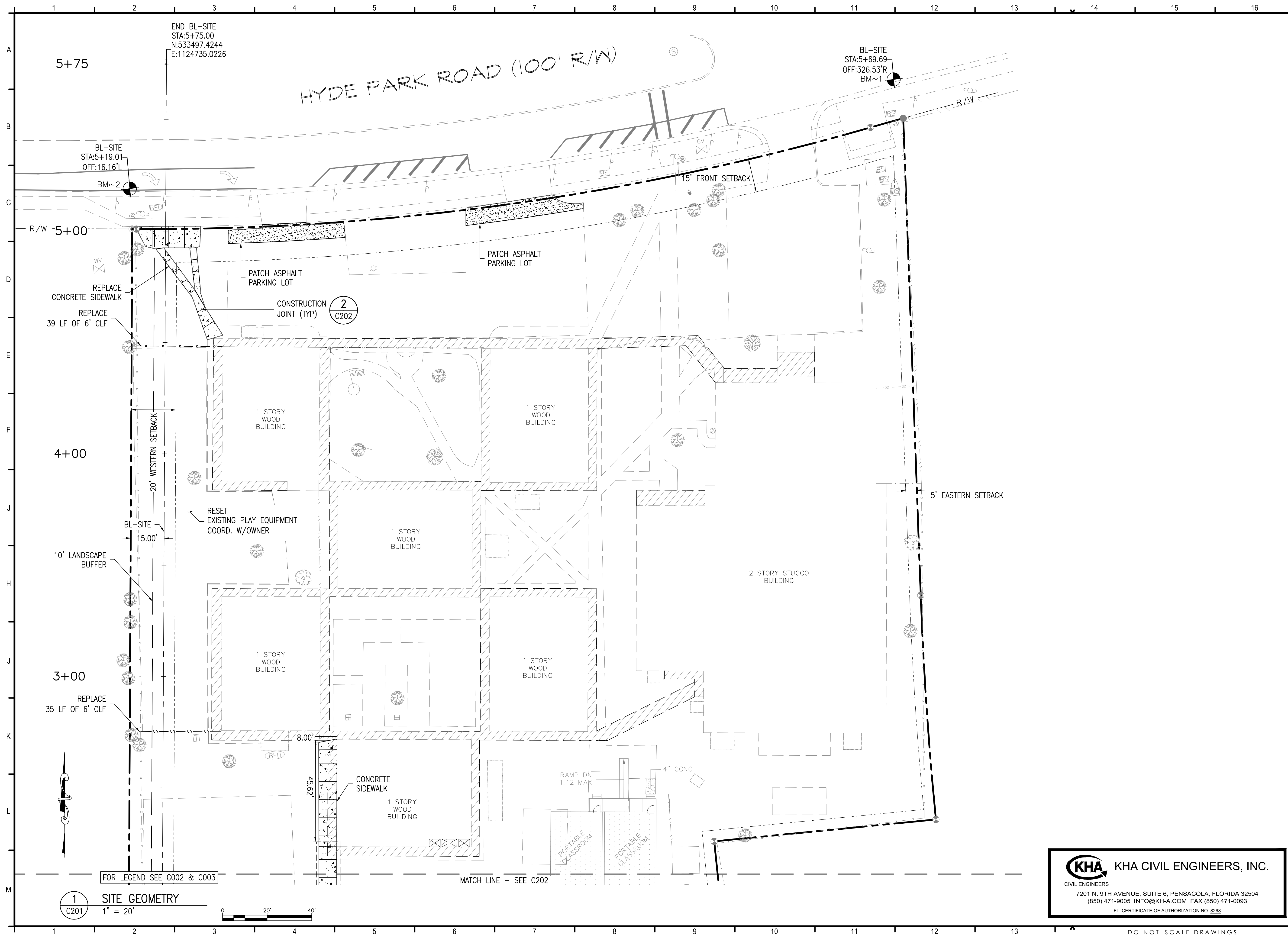
FOR LEGEND SEE C002

1 EXISTING CONDITIONS & DEMOLITION PLAN

1" = 20'

KHA KHA CIVIL ENGINEERS, INC.
CIVIL ENGINEERS
7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
(850) 471-9005 INFO@KHA.COM FAX (850) 471-0093
FL CERTIFICATE OF AUTHORIZATION NO. 8268

PRINT DATE: 4/25/2024 2:55 PM



PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023

REVISIONS:

REVISION 1 - 2/20/24	CIVIL ONLY
REVISION 2 - 2/28/24	RFI REVISIONS
REVISION 3 - 3/21/24	CP COMMENTS
CONFORMANCE SET	4/16/2024

- 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

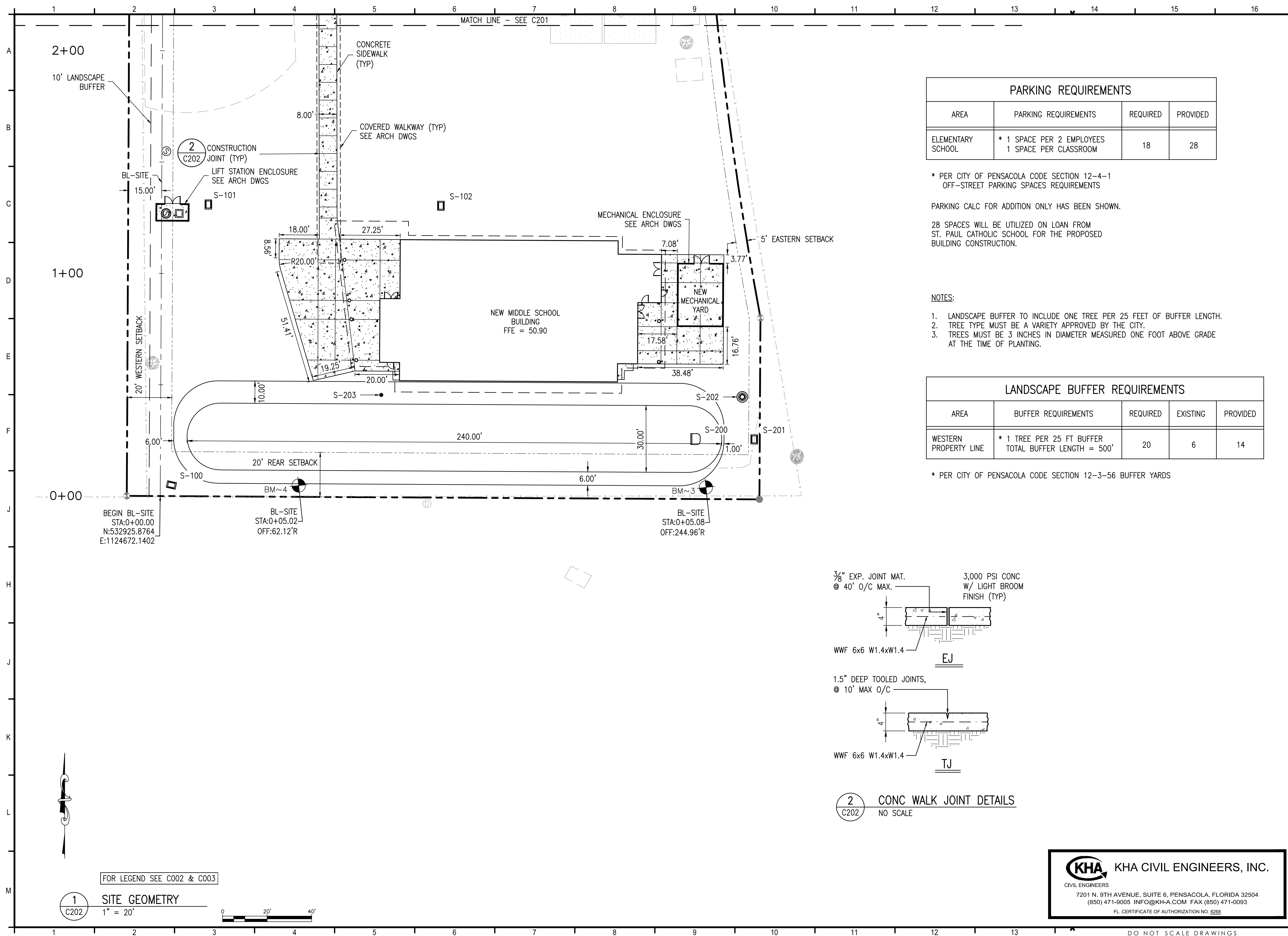
**3151 HYDE PARK RD.
 PENSACOLA, FL**

PROJECT NO. : 22028
 SHEET TITLE:
 SITE GEOMETRY

SHEET NUMBER:
C201

KHA KHA CIVIL ENGINEERS, INC.
 CIVIL ENGINEERS
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 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093
 FL CERTIFICATE OF AUTHORIZATION NO. 8268

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PARKING REQUIREMENTS			
AREA	PARKING REQUIREMENTS	REQUIRED	PROVIDED
ELEMENTARY SCHOOL	* 1 SPACE PER 2 EMPLOYEES 1 SPACE PER CLASSROOM	18	28

* PER CITY OF PENSACOLA CODE SECTION 12-4-1 OFF-STREET PARKING SPACES REQUIREMENTS

PARKING CALC FOR ADDITION ONLY HAS BEEN SHOWN.

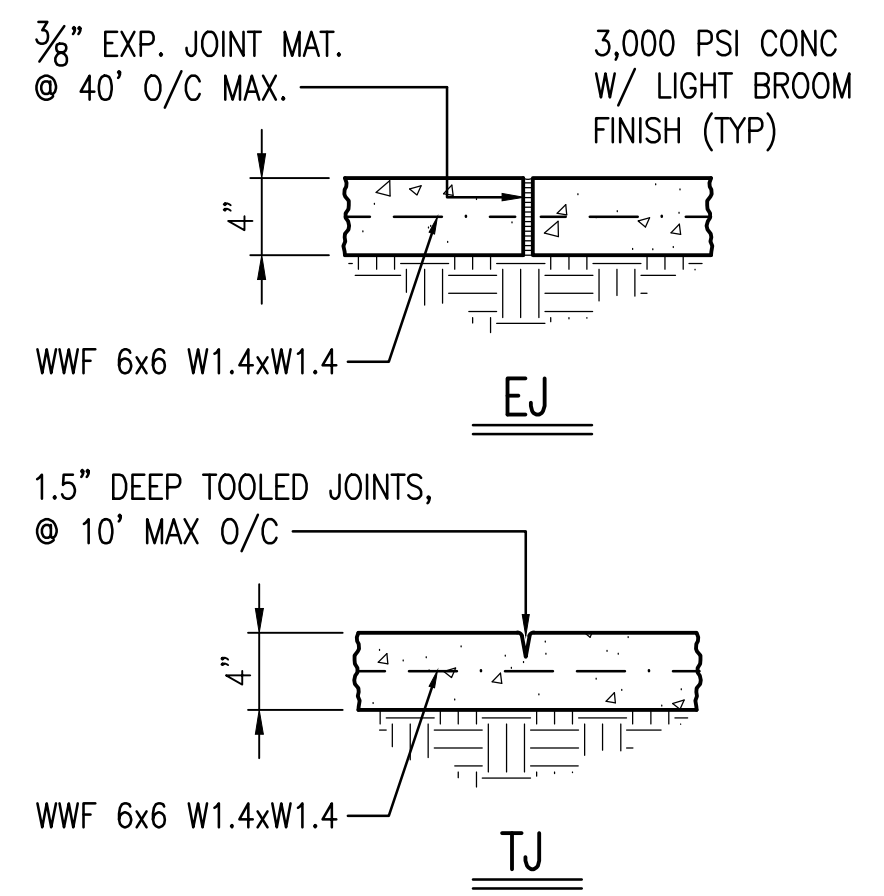
28 SPACES WILL BE UTILIZED ON LOAN FROM ST. PAUL CATHOLIC SCHOOL FOR THE PROPOSED BUILDING CONSTRUCTION.

NOTES:

1. LANDSCAPE BUFFER TO INCLUDE ONE TREE PER 25 FEET OF BUFFER LENGTH.
2. TREE TYPE MUST BE A VARIETY APPROVED BY THE CITY.
3. TREES MUST BE 3 INCHES IN DIAMETER MEASURED ONE FOOT ABOVE GRADE AT THE TIME OF PLANTING.

LANDSCAPE BUFFER REQUIREMENTS				
AREA	BUFFER REQUIREMENTS	REQUIRED	EXISTING	PROVIDED
WESTERN PROPERTY LINE	* 1 TREE PER 25 FT BUFFER TOTAL BUFFER LENGTH = 500'	20	6	14

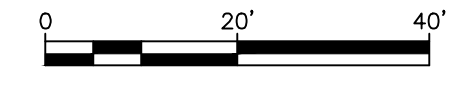
* PER CITY OF PENSACOLA CODE SECTION 12-3-56 BUFFER YARDS



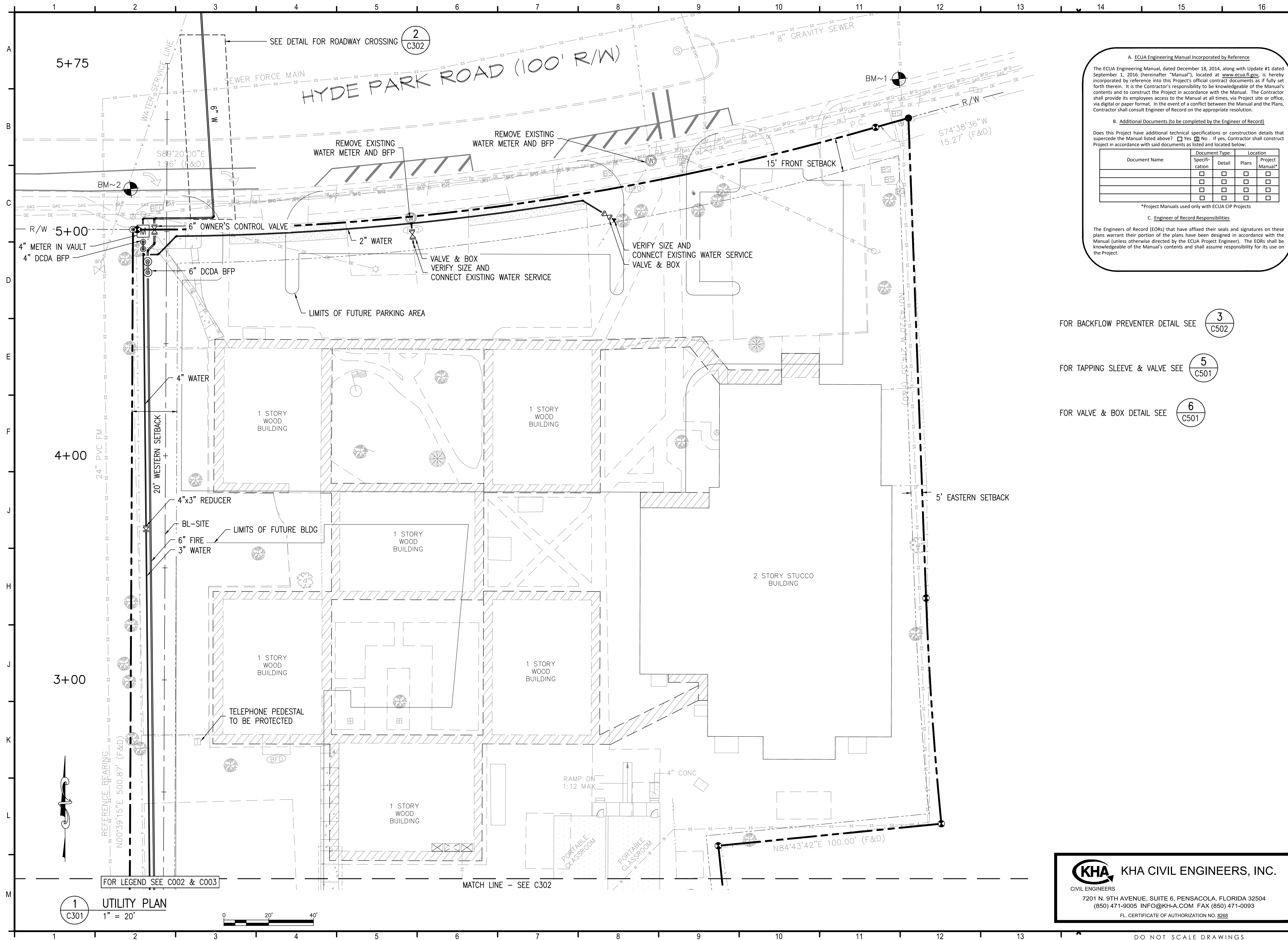
2 CONC WALK JOINT DETAILS
C202 NO SCALE

1 SITE GEOMETRY
C202 1" = 20'

FOR LEGEND SEE C002 & C003



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FL CERTIFICATE OF AUTHORIZATION NO. 8268



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, 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
	Specification	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 BACKFLOW PREVENTER DETAIL SEE **3** C502

FOR TAPPING SLEEVE & VALVE SEE **5** C501

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

PROJECT ISSUES:
 SCHEMATIC DESIGN: 6/25/2023
 DESIGN DEVELOPMENT: 8/21/2023
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
 REVISION 2 - 2/28/24 RFI REVISIONS
 REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

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

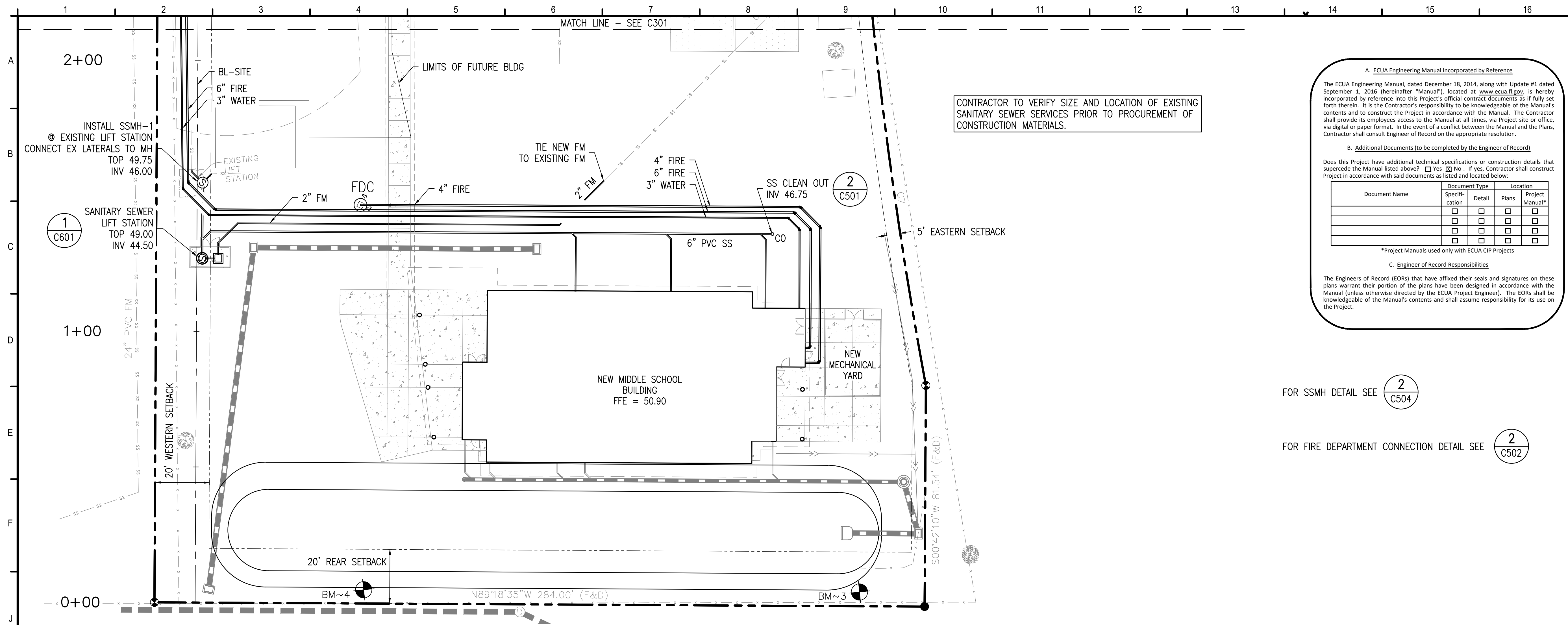
PROJECT NO. : 22028
 SHEET TITLE: UTILITY PLAN

SHEET NUMBER:

C301

KHA KHA CIVIL ENGINEERS, INC.
 CIVIL ENGINEERS
 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
 (850) 471-9005 INFO@KHA.COM FAX (850) 471-0093
 FL CERTIFICATE OF AUTHORIZATION NO. 8268

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

A. ECUA Engineering Manual Incorporated by Reference

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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
	Specification	Detail	Plans	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project Manual*
	<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"/>	

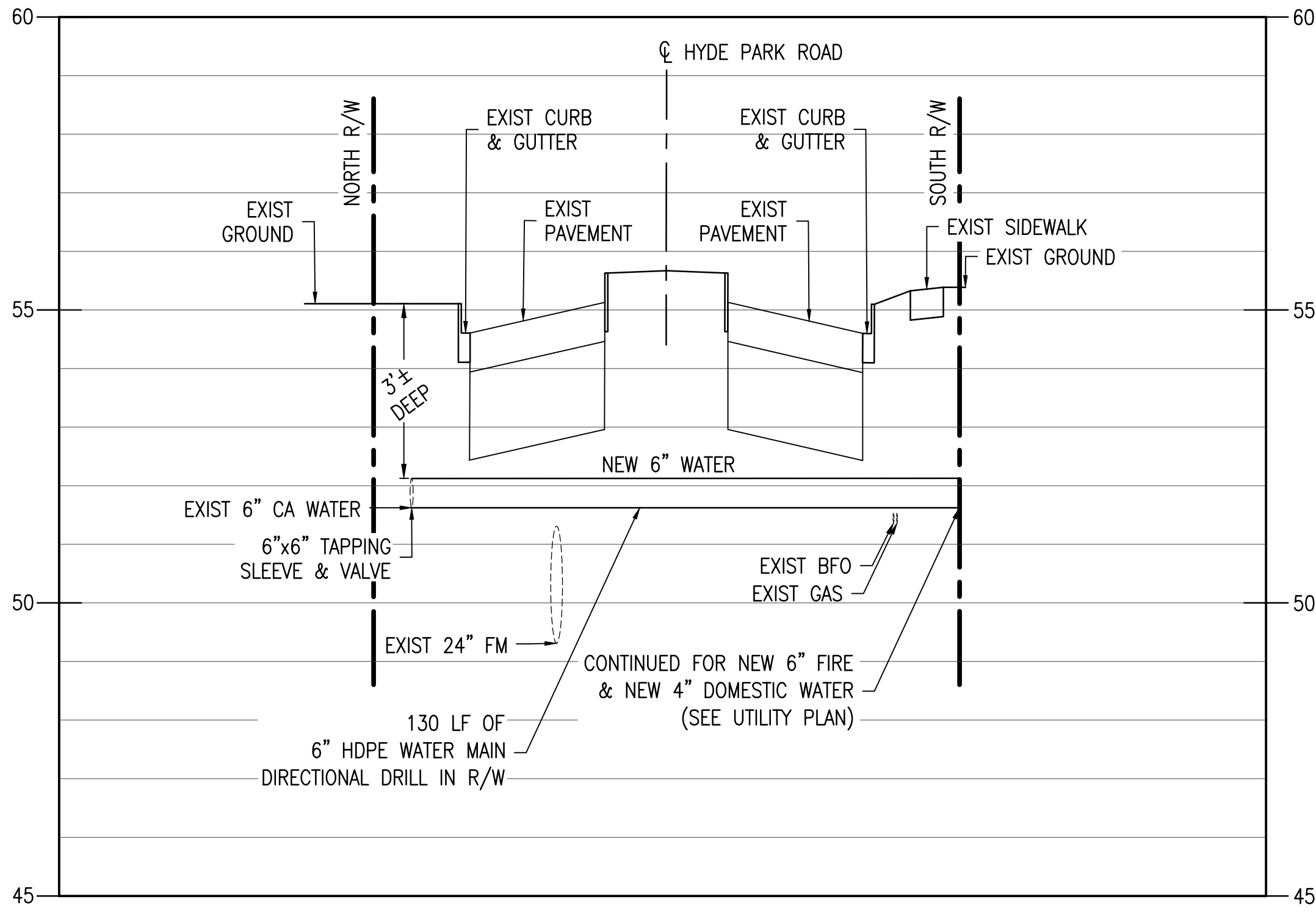
*Project Manuals used only with ECUA CIP Projects

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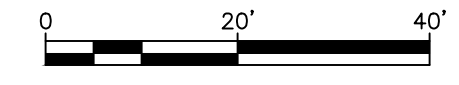
FOR SSMH DETAIL SEE **2**
C504

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



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

1 UTILITY PLAN
1" = 20'



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FL CERTIFICATE OF AUTHORIZATION NO. 8268

PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

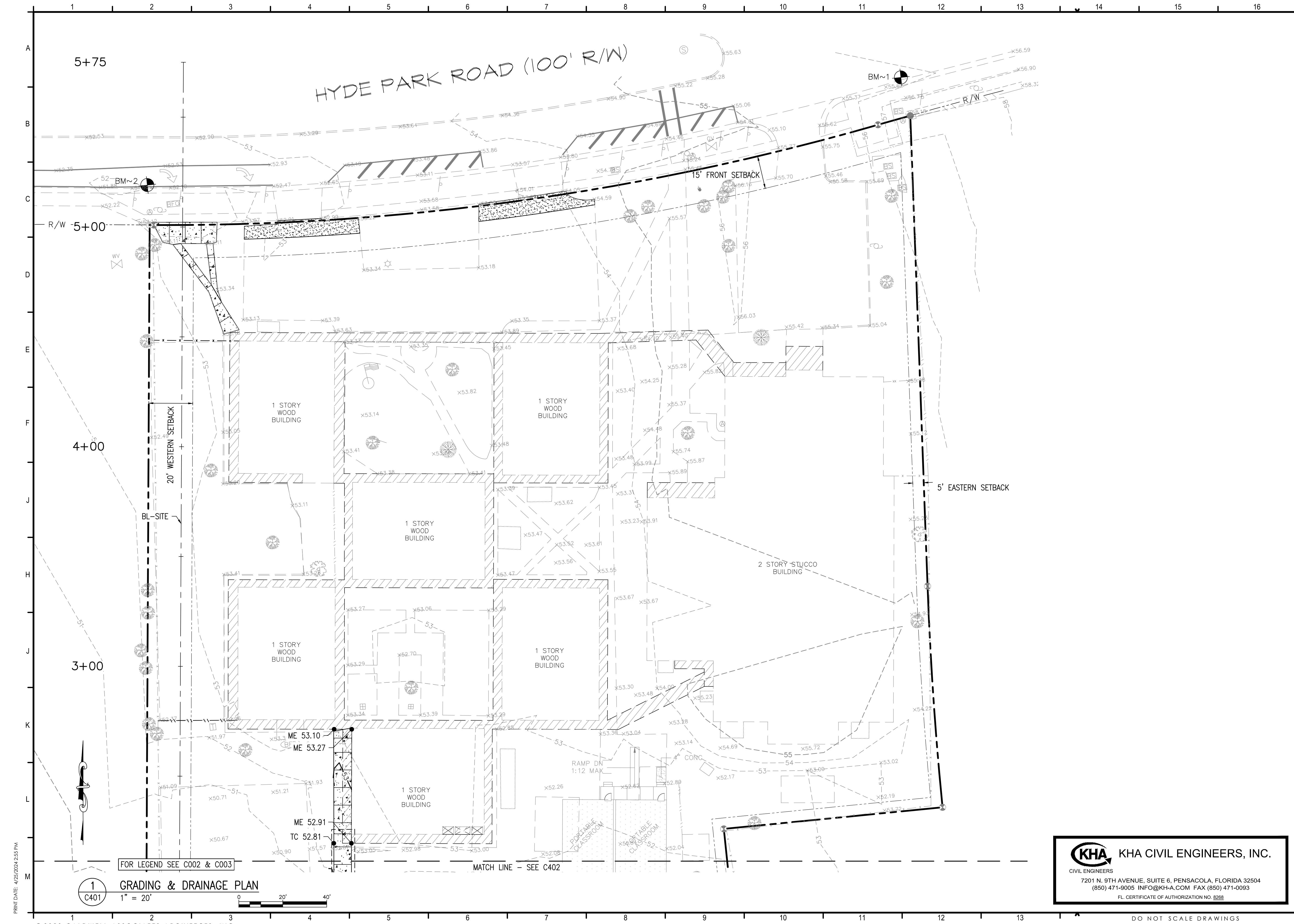
PROJECT TEAM:
CIVIL: KENNETH HORNE & ASSOCIATES
LANDSCAPING: FORME DESIGN GROUP
STRUCTURAL: MCCARTHY ENGINEERING
ARCHITECTURAL: CALDWELL ASSOCIATES
FIRE PROTECTION: H.M. YOUNGE & ASSOCIATES
MECHANICAL/PLUMBING: H.M. YOUNGE & ASSOCIATES
ELECTRICAL: KLOCKE ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

PROJECT NO.: 22028
SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C302



PROJECT ISSUES:
 SCHEMATIC DESIGN: 6/25/2023
 DESIGN DEVELOPMENT: 8/21/2023
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
 REVISION 2 - 2/28/24 RFI REVISIONS
 REVISION 3 - 3/21/24 CP COMMENTS
 CONFORMANCE SET 4/16/2024

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

KHA KHA CIVIL ENGINEERS, INC.
 CIVIL ENGINEERS
 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
 (850) 471-9005 INFO@KHA.COM FAX (850) 471-0093
 FL CERTIFICATE OF AUTHORIZATION NO. 8268

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PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

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

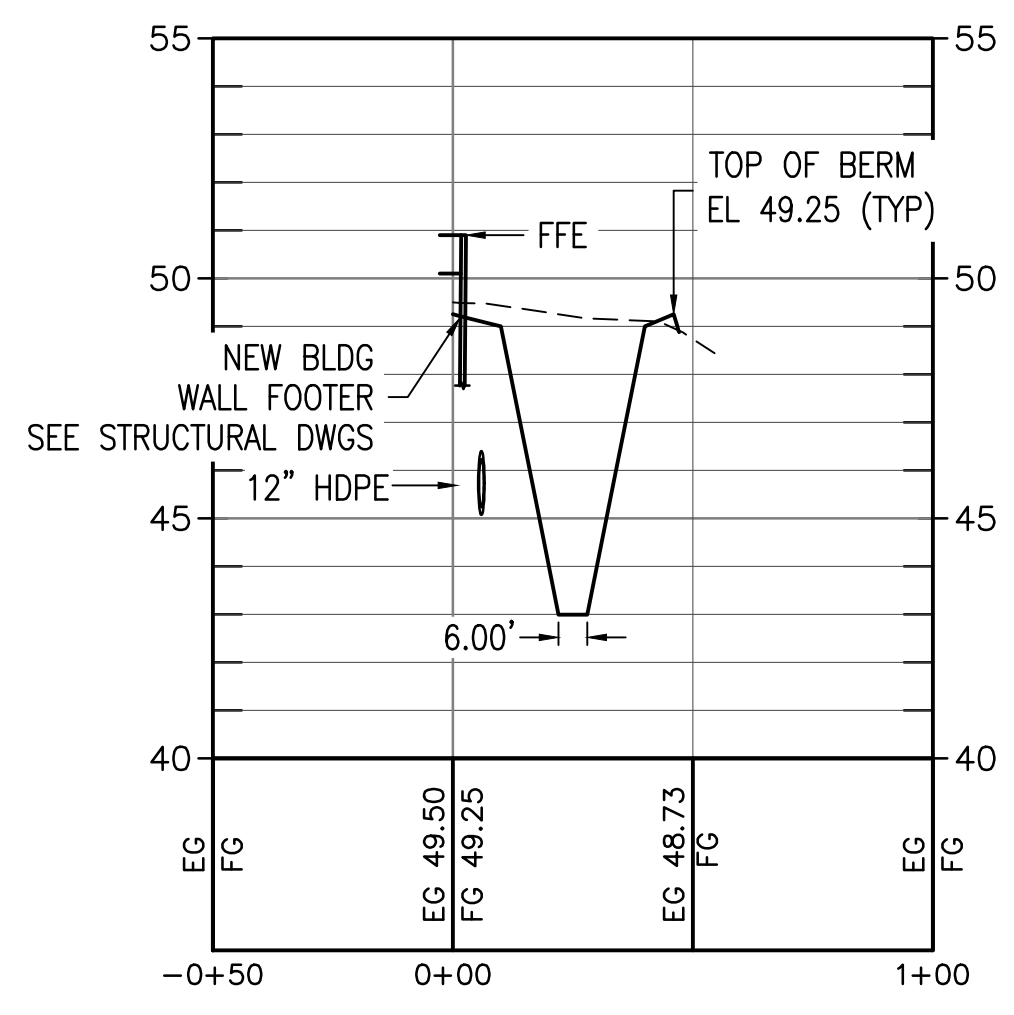
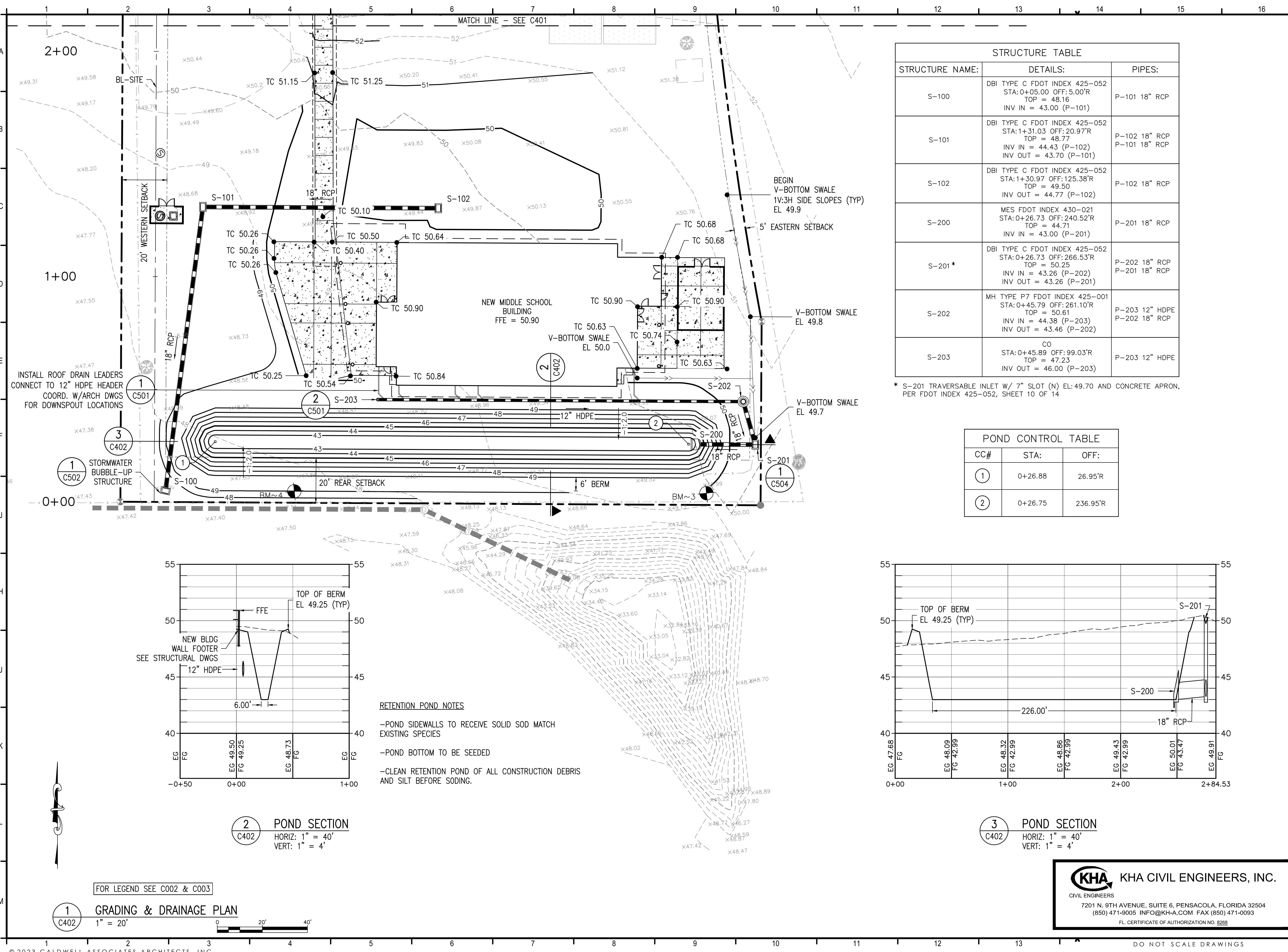
SHEET NUMBER:

C402

STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	PIPES:
S-100	DBI TYPE C FDOT INDEX 425-052 STA: 0+05.00 OFF: 5.00'R 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

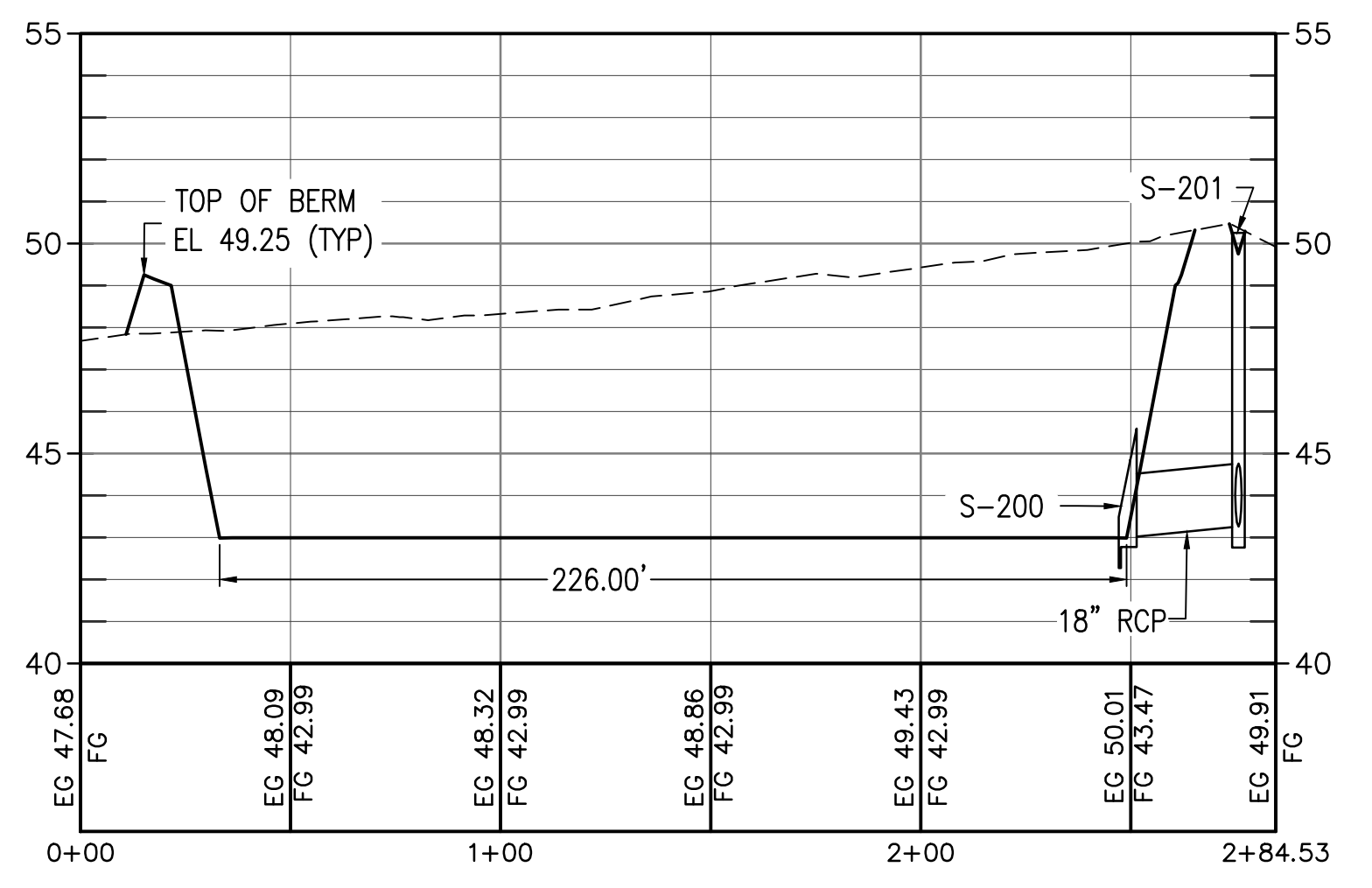
* S-201 TRAVERSABLE INLET W/ 7" SLOT (N) EL: 49.70 AND CONCRETE APRON, PER FDOT INDEX 425-052, SHEET 10 OF 14

POND CONTROL TABLE		
CC#	STA:	OFF:
1	0+26.88	26.95'R
2	0+26.75	236.95'R



RETENTION POND NOTES

- POND SIDEWALLS TO RECEIVE SOLID SOD MATCH EXISTING SPECIES
- POND BOTTOM TO BE SEEDED
- CLEAN RETENTION POND OF ALL CONSTRUCTION DEBRIS AND SILT BEFORE SODING.



1 GRADING & DRAINAGE PLAN
1" = 20'

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

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

KHA KHA CIVIL ENGINEERS, INC.
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(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093
FL CERTIFICATE OF AUTHORIZATION NO. 8268

PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
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CONFORMANCE SET 4/16/2024

PROJECT TEAM:
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LANDSCAPING FORME DESIGN GROUP
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ARCHITECTURAL CALDWELL ASSOCIATES
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MECHANICAL/PLUMBING H.M. YOUNGE & ASSOCIATES
ELECTRICAL KLOCKE ASSOCIATES

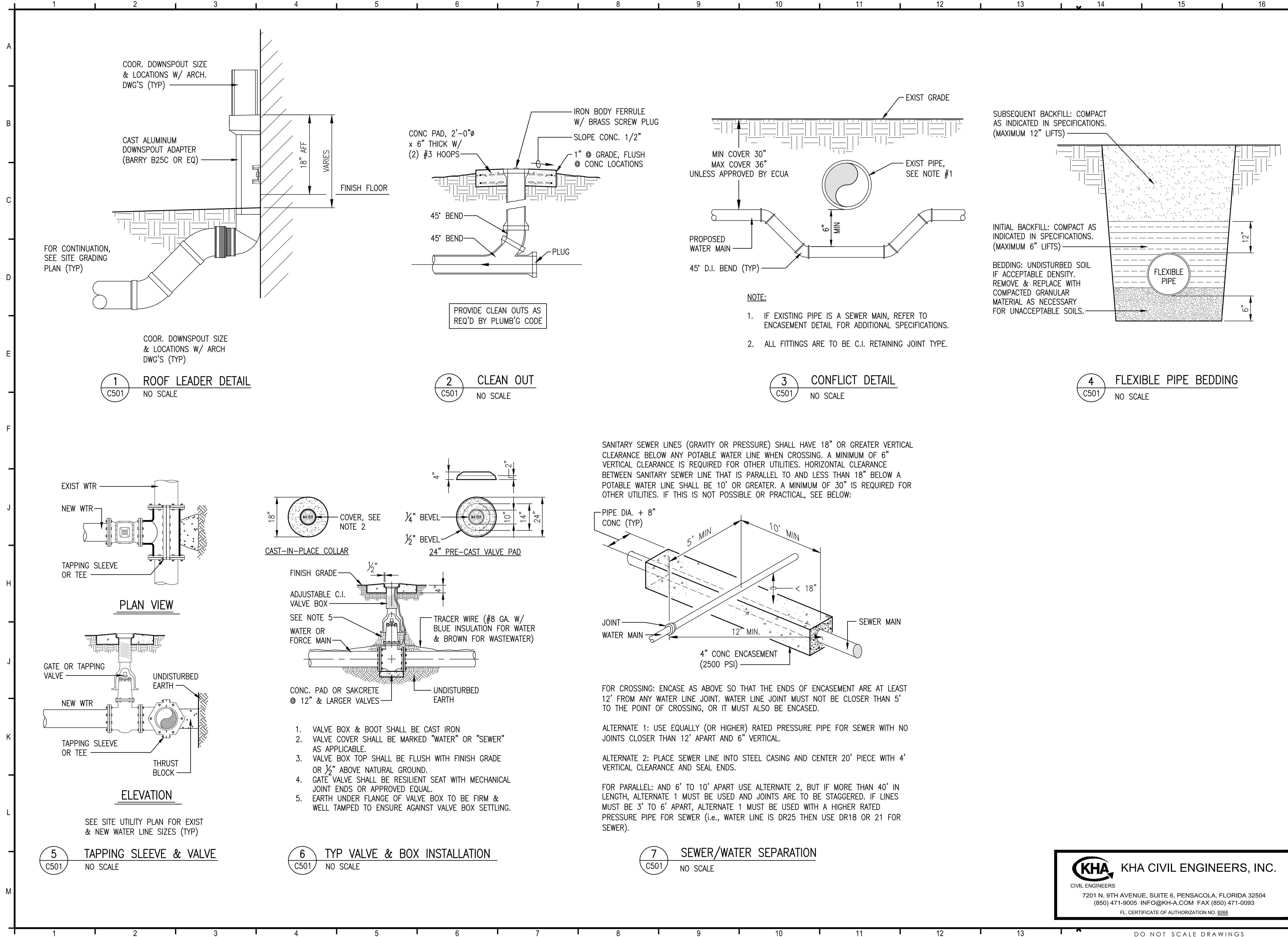
PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD. PENSACOLA, FL

PROJECT NO.: 22028
SHEET TITLE: DETAILS

SHEET NUMBER:

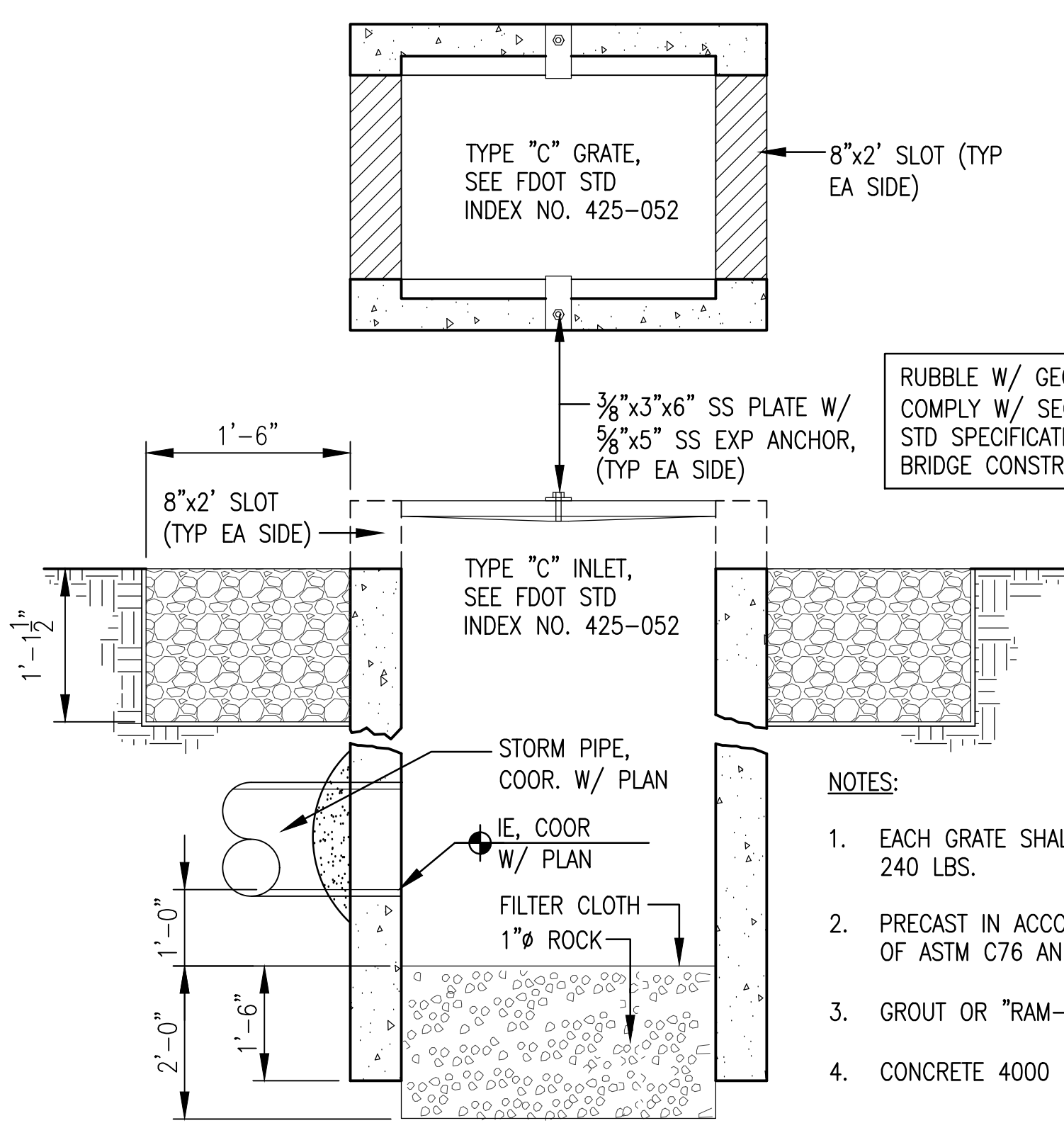
C501



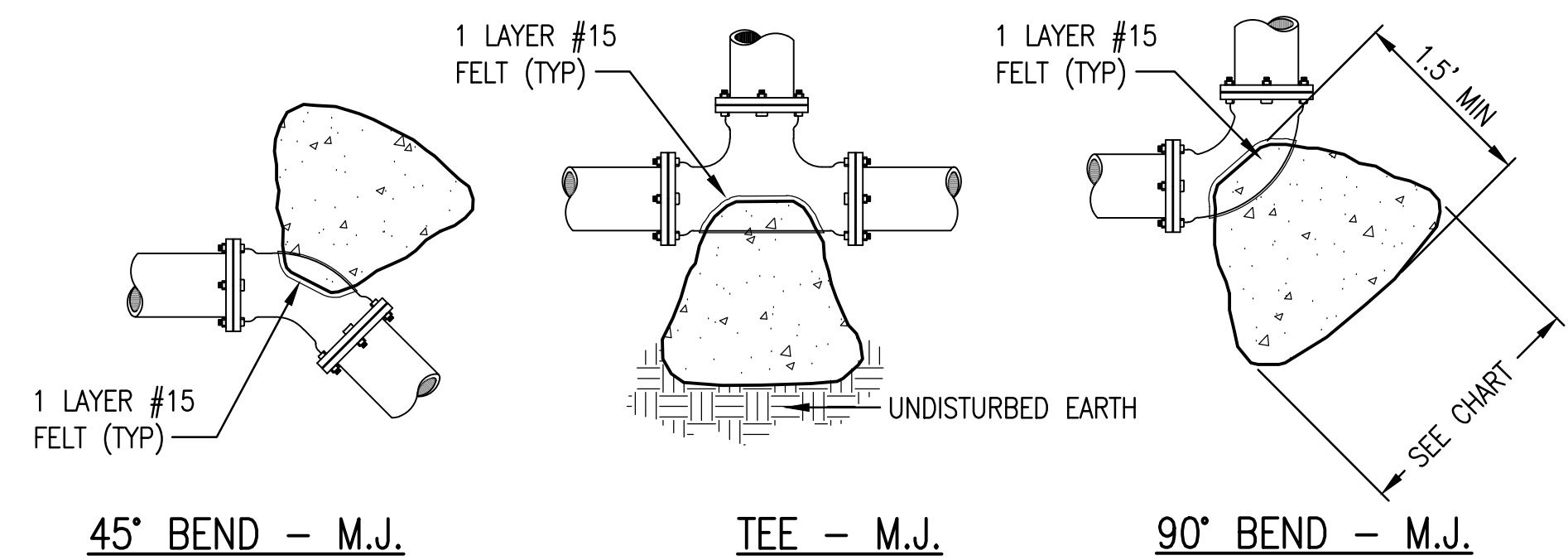
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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



1 TYPE "C" OPEN BOTTOM BUBBLE-UP MH
C502 NO SCALE

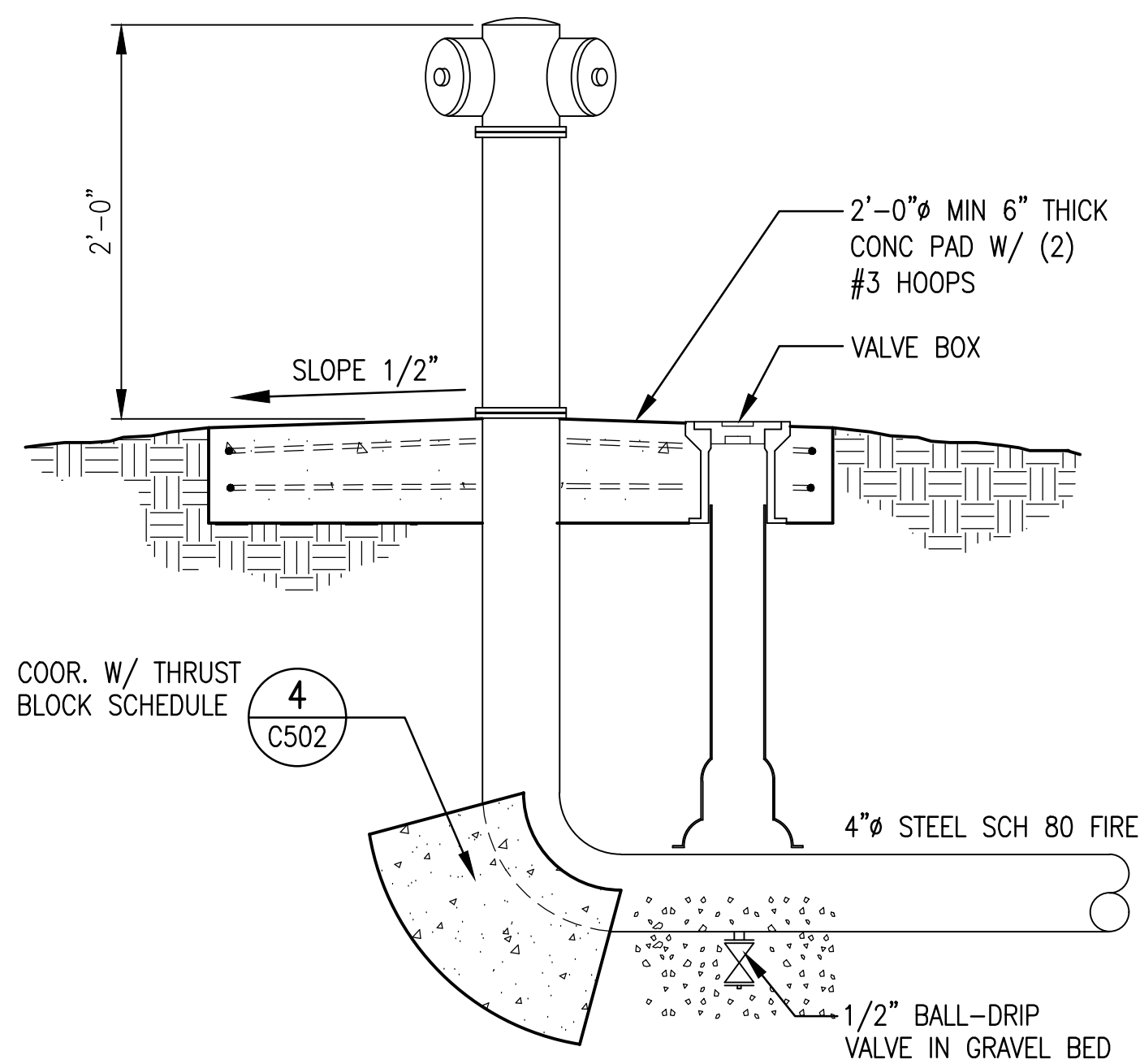


MINIMUM THRUST BLOCK DIMENSIONS:
SURFACE AREA AGAINST UNDISTURBED SOIL

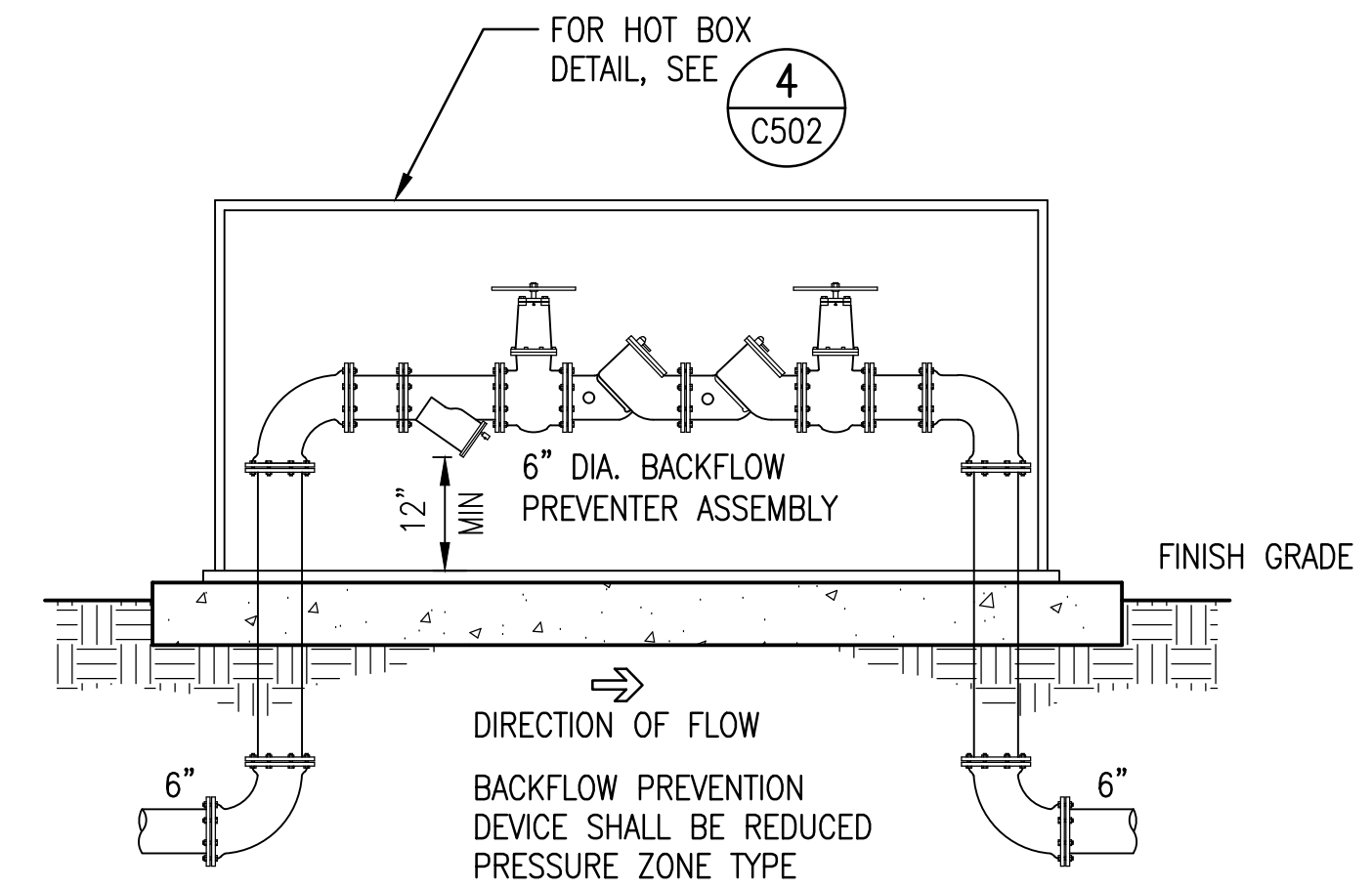
PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' x 2'	1.5' x 1.5'	1' x 1.5'	1' x 1'
6"	2' x 2'	2.5' x 2.5'	2' x 1.5'	1' x 1.5'
8"	2.25' x 3'	3' x 3'	2' x 2.5'	1.5' x 1.5'
10"	3.5' x 3'	4' x 3.75'	2.75' x 3'	2' x 2'
12"	4' x 4'	4' x 5'	3' x 4'	2' x 3'
16"	5' x 5.5'	6' x 6.5'	4' x 5'	3' x 3.5'

- 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

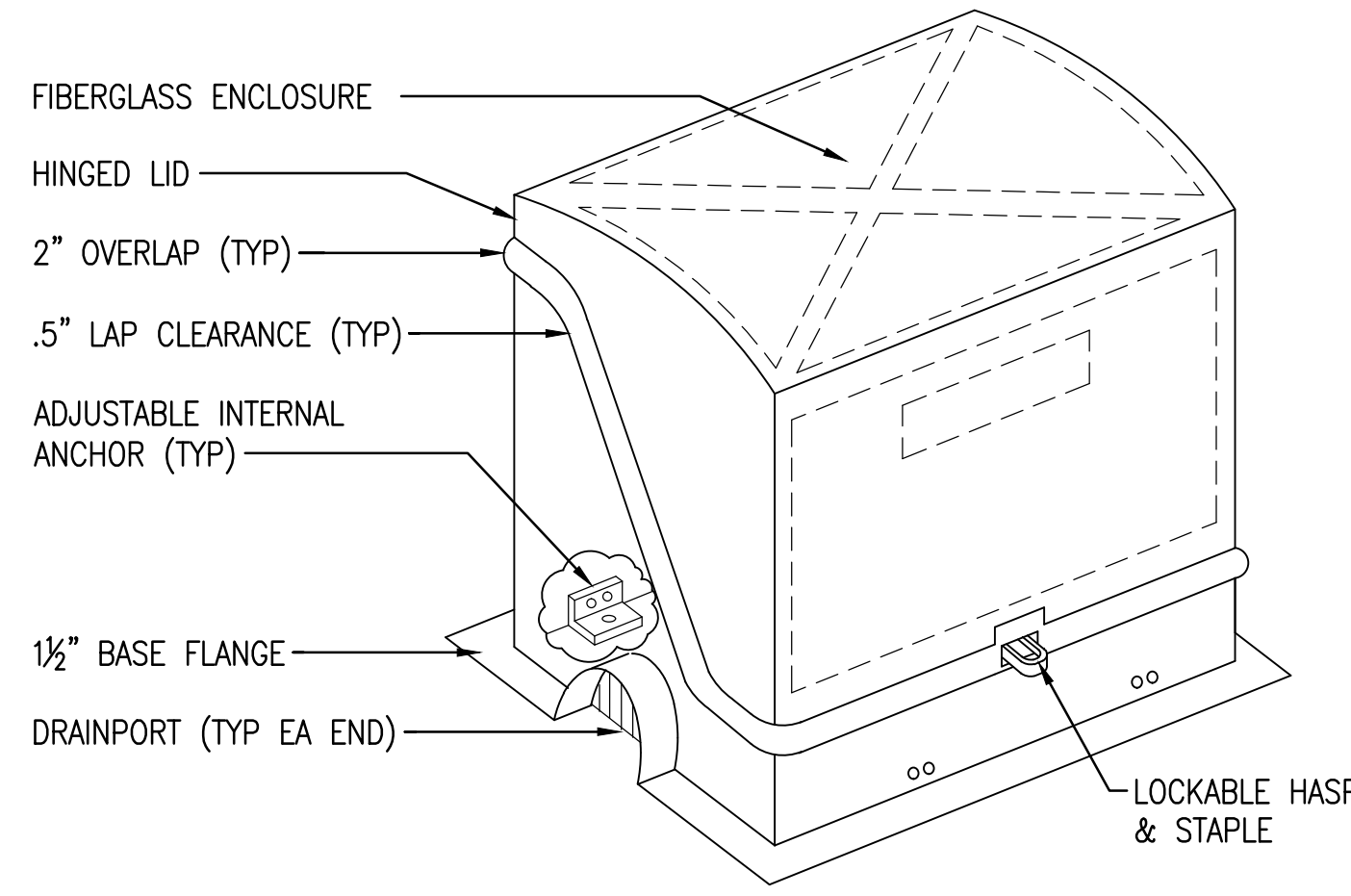
BACKFLOW PREVENTION DEVICE SHALL BE REDUCED PRESSURE ZONE TYPE

6"

6"

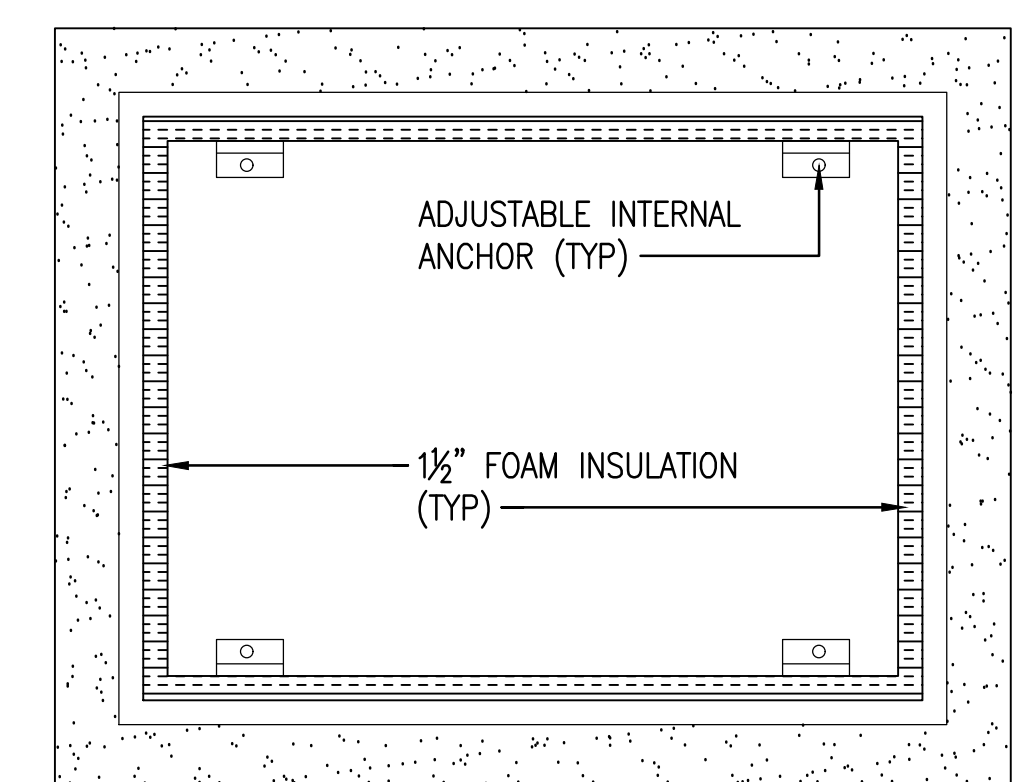
PIPING ABOVE GRADE TO HAVE 2.5" CELLULAR GLASS INSULATION WITH METAL JACKET. METAL JACKET SHALL HAVE SIDE & END LAPS AT LEAST 2" WIDE WITH THE CUT EDGE OF THE SIDE LAP TURNED UNDER 1" TO PROVIDE A SMOOTH EDGE. OVERLAP THE JACKET NOT LESS THAN 2" AT LONGITUDINAL AND CIRCUMFERENTIAL JOINTS AND SECURE WITH 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

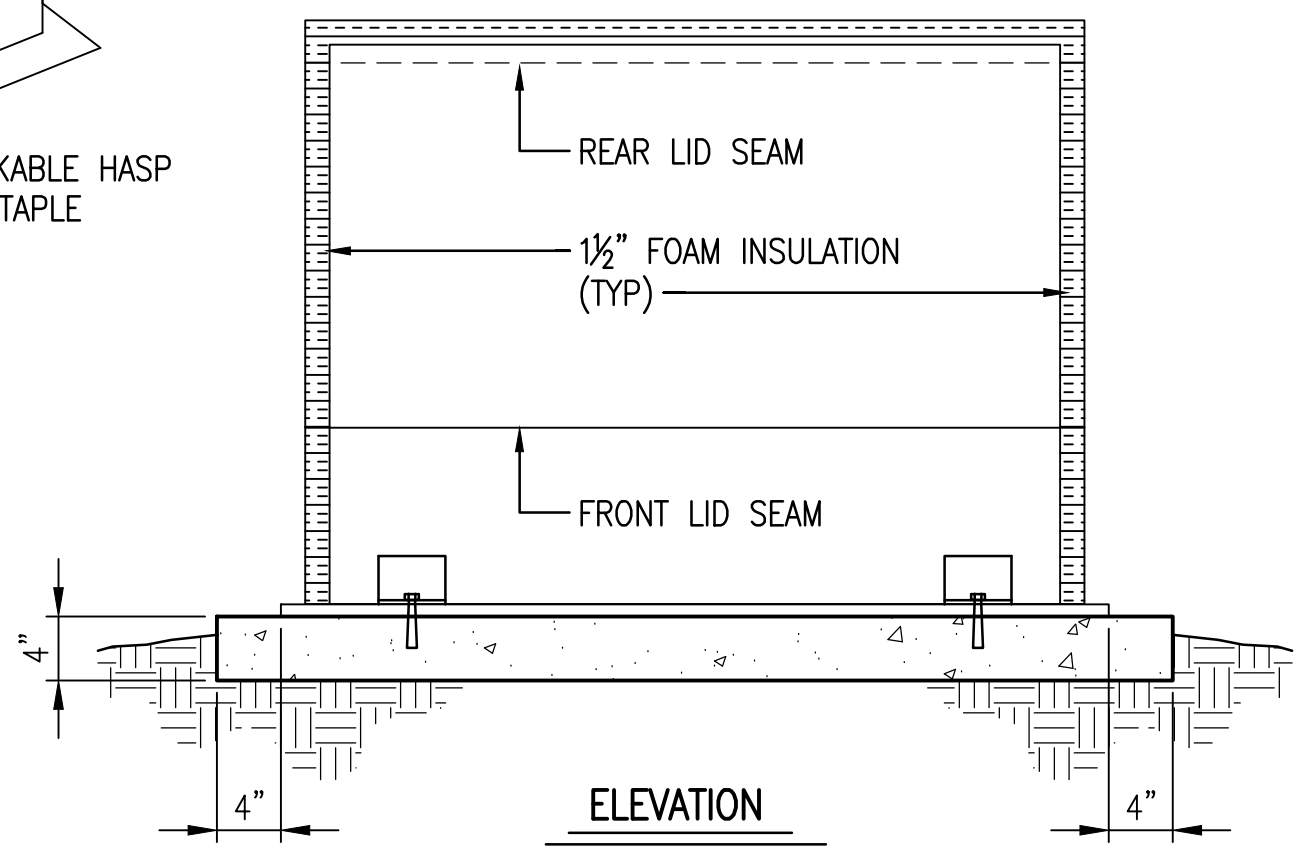


- NOTE:**
- COOR BOX SIZE W/ BACKFLOW PREVENTER PIPE SIZE & OVERALL DIMENSIONS
 - PAINT COLOR SHALL BE TAN OR AS APPROVED BY OWNER
 - 1 1/2" INSULATION: POLYISOCYANURATE, SPRAY APPLIED & BONDED

5 BFP HOT BOX
C502 NO SCALE



PLAN



ELEVATION

KHA KHA CIVIL ENGINEERS, INC.
CIVIL ENGINEERS
7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093
FL CERTIFICATE OF AUTHORIZATION NO. 8268

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

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:

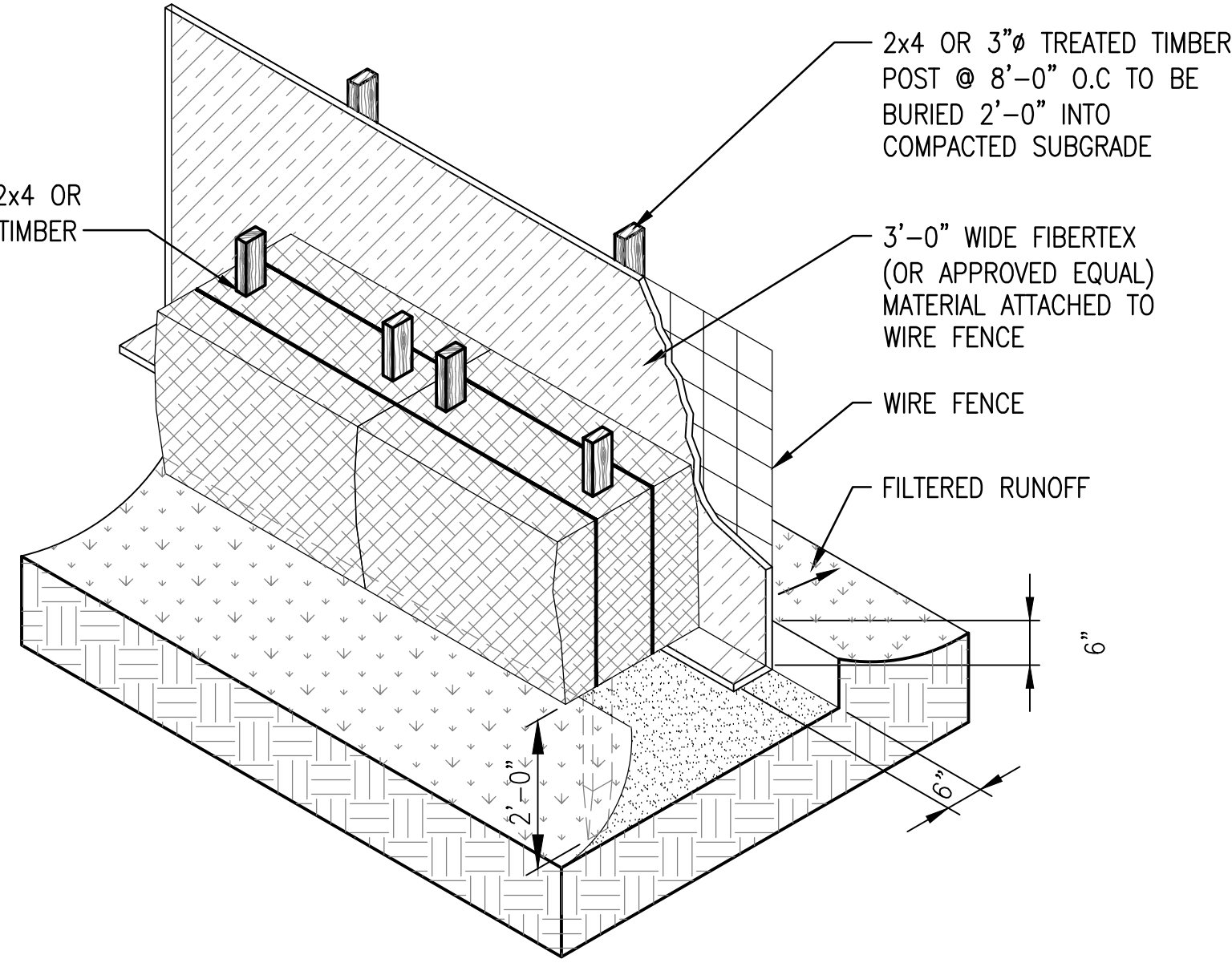
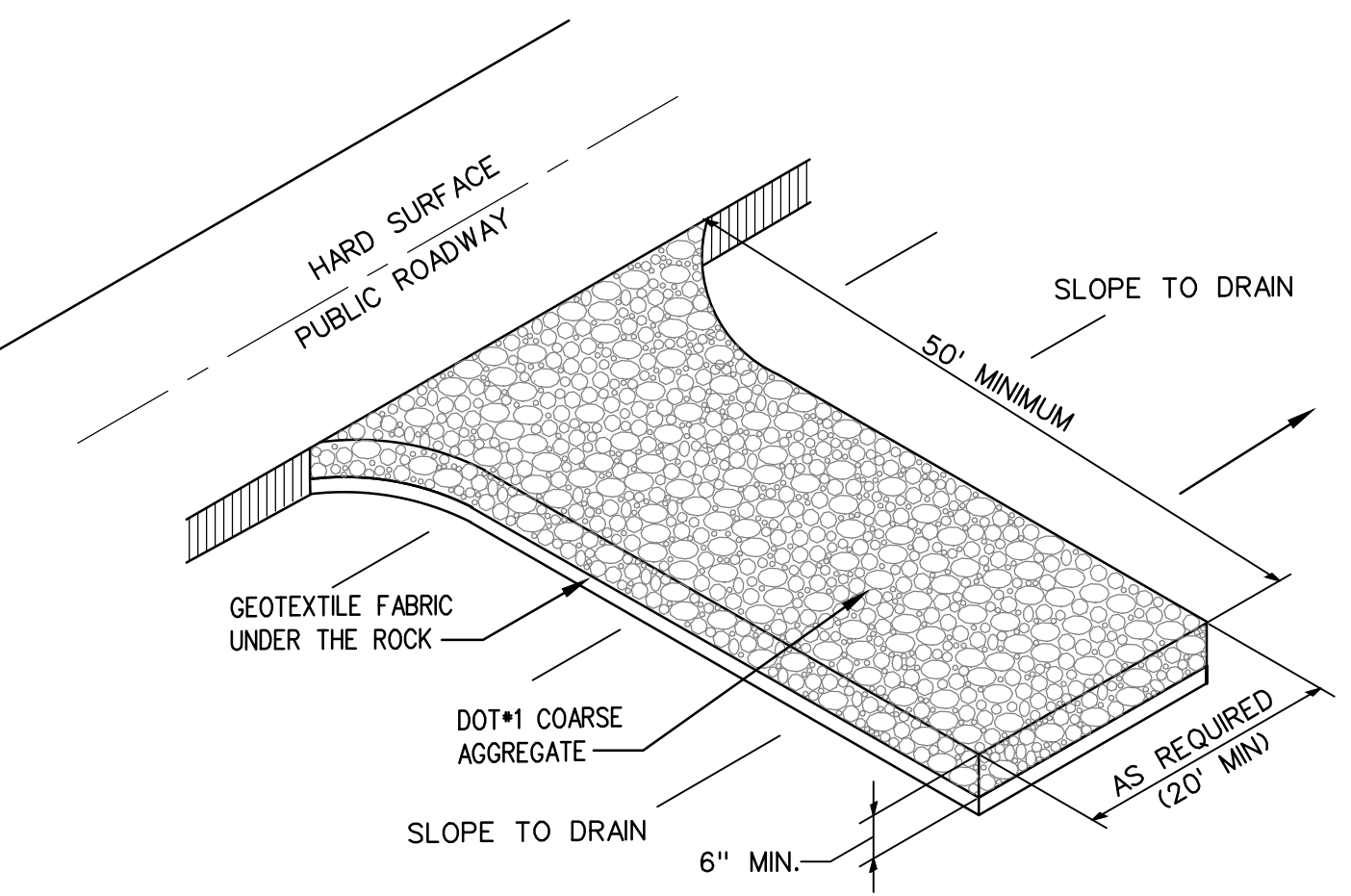
DETAILS

SHEET NUMBER:

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.



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

2
TEMPORARY CONSTRUCTION ENTRANCE DETAIL
C503 NOT TO SCALE

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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

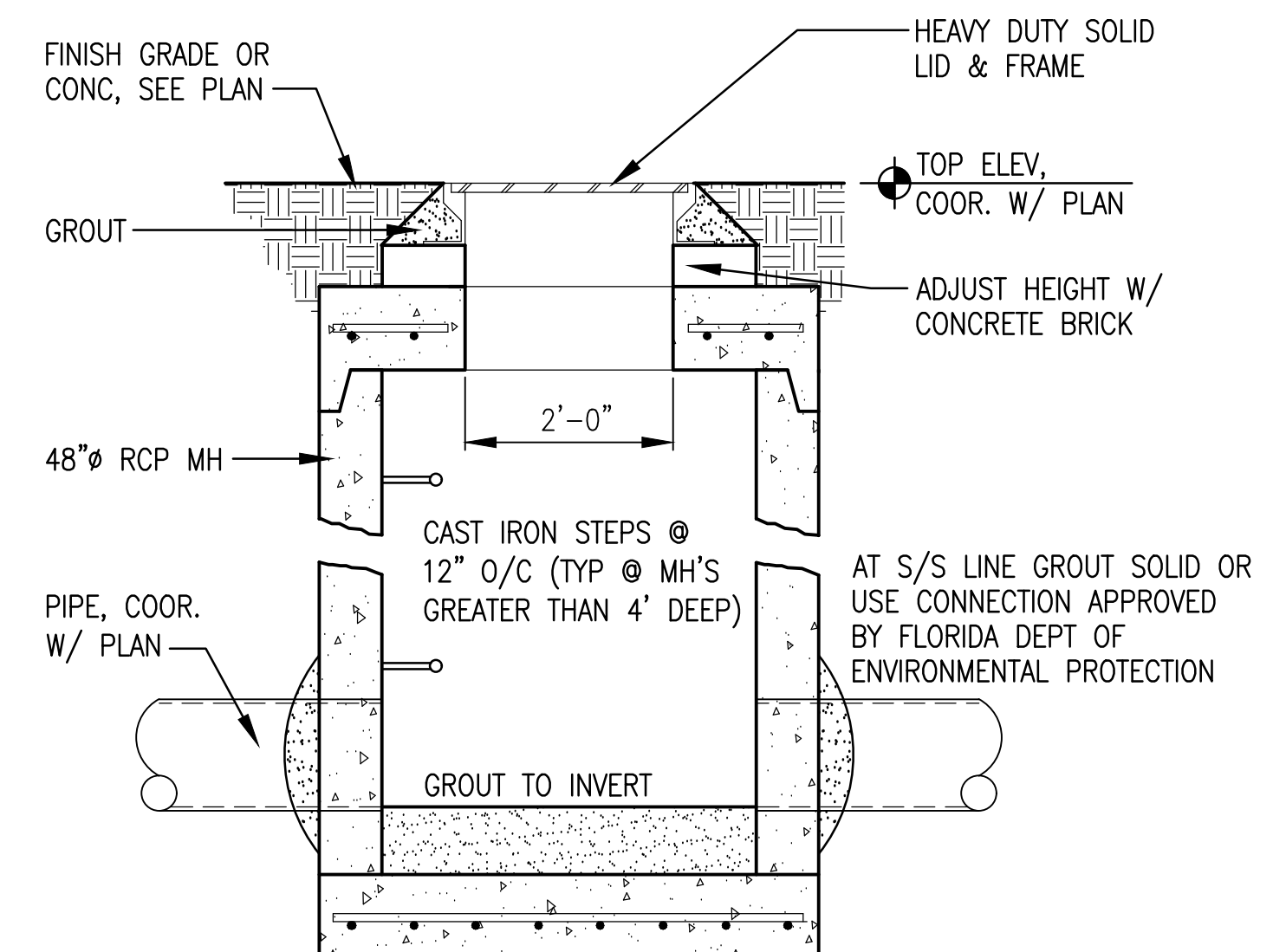
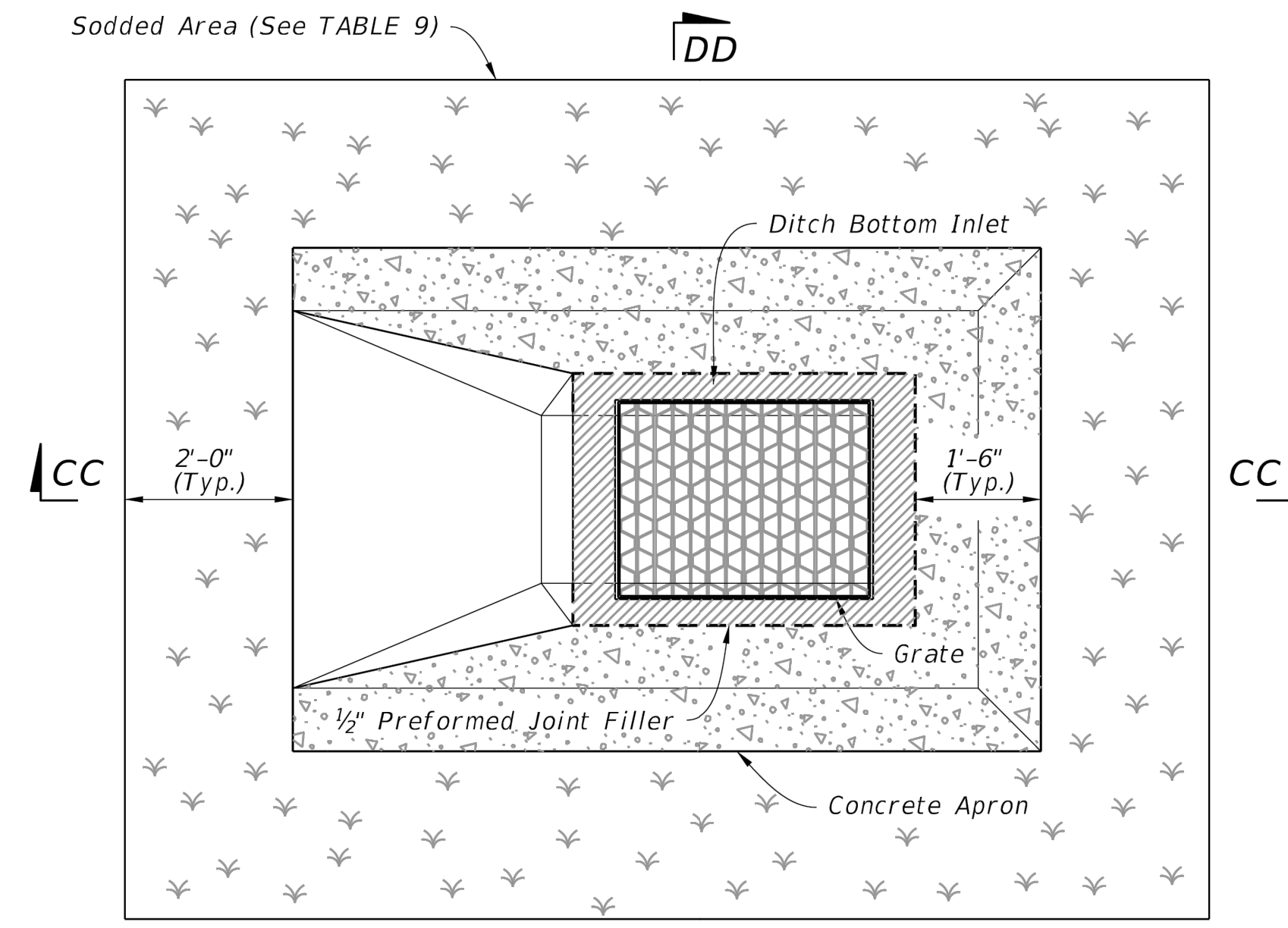
SHEET NUMBER:

C504

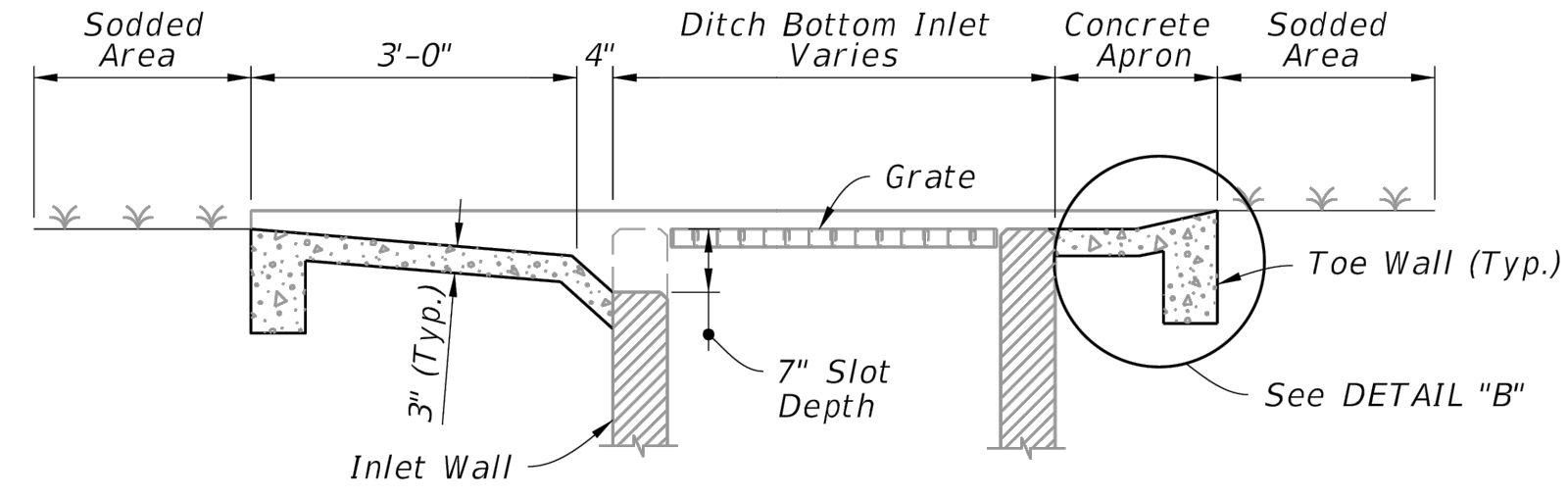
**TABLE 9
CONCRETE APRON AND
SOD QUANTITIES**

SINGLE SLOT

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

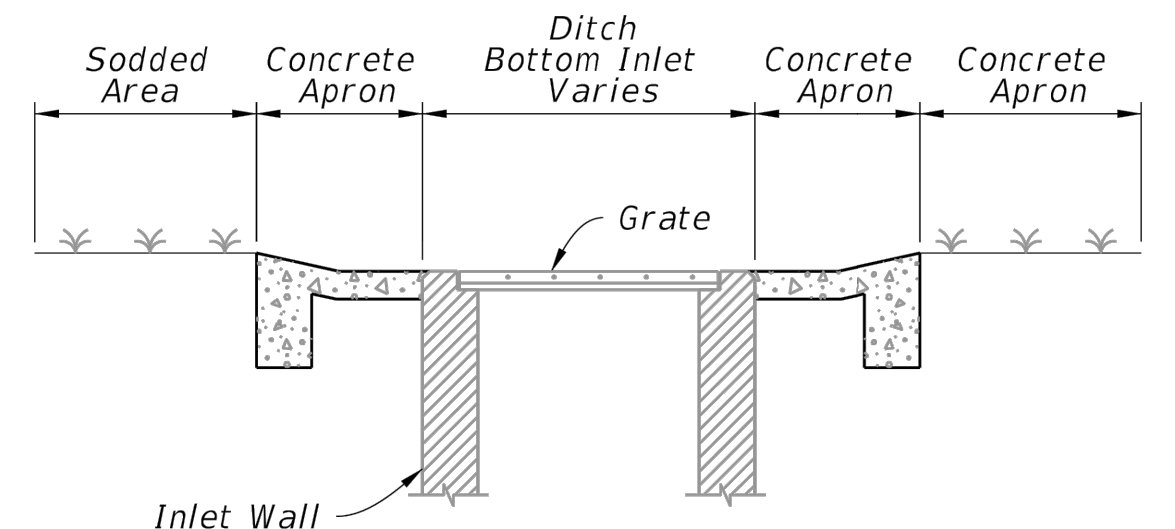


MANHOLES SHALL COMPLY W/ ASTM C478 IN ACCORDANCE W/ THE APPLICABLE PROVISIONS OF SECTION 5.2.1 OR 5.2.2 OF THE REFERENCED STANDARDS. ALL MATERIALS & REINFORCING SHALL NOT BE LESS THAN PRESCRIBED BY THE STANDARDS. RUBBER GASKETS SHALL COMPLY W/ ASTM C-443

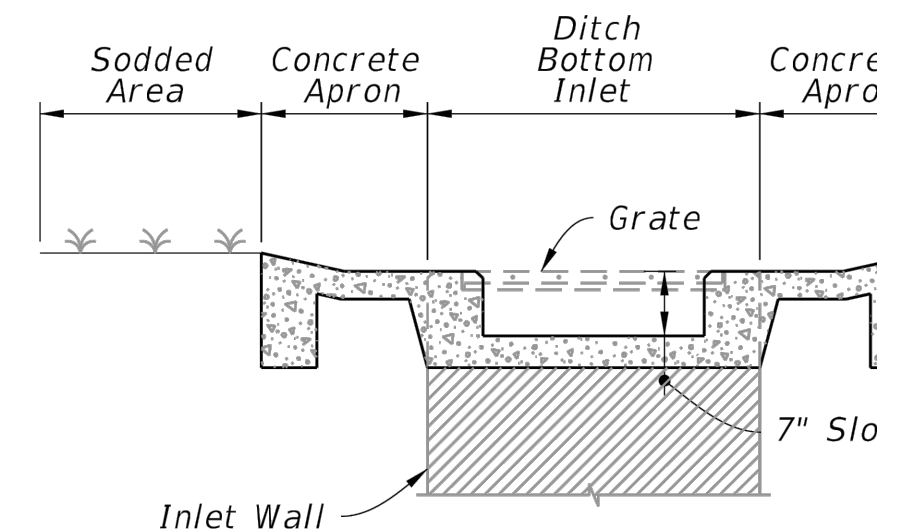


SECTION CC-CC

SINGLE SLOT



SECTION DD-DD



SECTION FF-FF

1 TRAVERSABLE INLET W/ SINGLE SLOT DETAIL
C504 NO SCALE

2 JUNCTION & SSMH
C504 NO SCALE

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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 1 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 SYSTEM 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

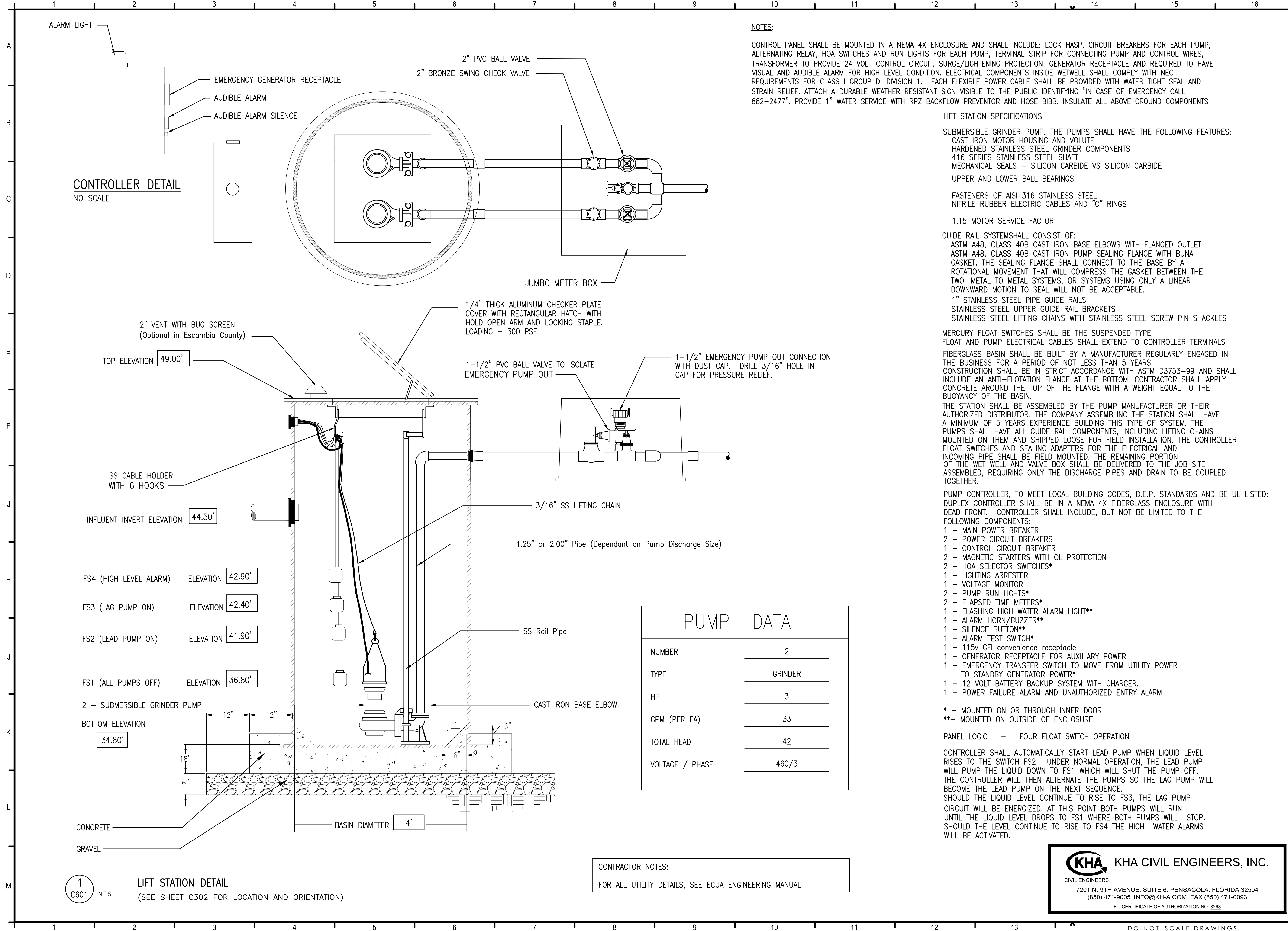
PANEL LOGIC - FOUR FLOAT SWITCH OPERATION

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	460/3

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

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CONTROLLER DETAIL
NO SCALE

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

PRINT DATE: 4/25/2024 2:56 PM