

**WOODBIDGE SCHOOL DISTRICT
New Woodbridge High School
Bid Pac A**

ADDENDUM NO.3

23 July 2012

Woodbridge School District
New Woodbridge High School
Woodbridge Road
Greenwood, Delaware 19950

Fearn-Clendaniel Architects, Inc.
6 Larch Avenue Suite 398
Wilmington, Delaware, 19804
Phone: (302) 998-7615
Fax: ((302) 998-7685

BIDS DUE:

August 1, 2012

LOCATION:

Woodbridge High School

ARCHITECT'S PROJECT NO: 11109

1.0 NOTICE TO ALL BIDDERS:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Contract Documents, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their sub-bidders are in full receipt of the information contained herein.

2.0 QUESTIONS:

- 2.1 **Q:** Drawing S11-02 area B, Along AF and AC line section 23/S32-09 called out shows a 1/4" bent plate on the tails of the cold form trusses. On those same column lines there is another cut (13/S32-10) which shows light gauge framing at the eave by the Truss manufacturer. Please advise which cut is correct and if the 1/4" bent plate is correct, is the structural steel contractor responsible for the furnish and install of this bent plate?

A: 1/4" bent plate is correct. Connect bent plate to each truss with 12 gauge 3X3 utility angle with (2) 1/4" self tapping screws to truss and (2) to angle.

- 2.2 **Q:** Ridge detail 8/S32-05 shows a W12x14 being shop welded between ridge beams. How often will happen along the ridge? Please advise.

A: See Addendum #3 changes to the drawings below.

2.3 **Q:** On S11-05B note #4 states to provide C4's at 4'-0 centers at all eave locations. On column lines A8 & A4 section 2/S32-05 is called out, which indicates a TS 3x3 tube steel at the eave condition. Please advise which material shall be used.

A: See Addendum #3 changes to the drawings below.

2.4 **Q:** On S11-05B at column lines A3.5 & A5.8 between AJ.2 & AM section 3/32-05 is called out. This detail is stated to be an Auditorium detail and framing in this detail does not match what is shown on the plan. Please advise if a different detail will be issued for these areas.

A: See Addendum #3 changes to the drawings below.

3.0 CHANGES TO THE PROJECT MANUAL:

3.1 Reference ADDENDUM NO. 2 and change header on pages 2 and 3 to read Addendum No. 2 dated 19 July 2012, not Addendum No. 1 dated 16 July 2012.

4.0 CHANGES TO THE DRAWINGS:

Volume 1 Drawing Set:

4.1 Reference Drawing T10-01A, TABLE OF CONTENTS and modify as follows:

4.1.1 ADD reference to drawing AWH 10-01 Well Pump House.

4.1.2 ADD note after drawings 11140-00-ENT ENT 1 through 4 that reads, "Drawing issued in Addendum No. 3."

4.1.3 ADD reference to drawing 11140.00 ENT ENT 5 Entrance Plan, Notes & Details (Drawing issued in Addendum No. 3)

4.1.4 ADD reference to drawing 11140.00 ENT ENT 6 Cross Sections, Notes & Details (Drawing issued in Addendum No. 3)

4.1.5 ADD reference to drawing PWH 10-01 Well house Plumbing Plan

4.2 REPLACE drawings 11140.00-ENT ENT 1 through 11140.00-ENT ENT 4 included with this Addendum.

4.3 INSERT drawings 11140-00-ENT ENT 5 and 11140.00-ENT ENT 6 included with this Addendum.

4.4 REPLACE drawings FM-001, FM-002, PS-001 through PS-005 with those drawings included in this Addendum.

4.5 INSERT drawing PWH10-01 – Well house Plumbing Plan included with this Addendum.

4.6 INSERT drawing AWH10-01 – Well Pump house included with this Addendum.

Volume 2 Drawing Set

4.7 Reference Drawing T10-01B, TABLE OF CONTENTS and modify as follows:

4.7.1 ADD reference to drawing S11-SB Support Building Foundation & Roof Framing Plans.

- 4.7.2 ADD reference to drawing S31-SB Support Building Details.
 - 4.7.3 ADD reference to drawing P20-06 Part Plans Plumbing.
 - 4.7.4 ADD reference to drawing P20-07 Part Plans Plumbing
 - 4.7.5 ADD reference to drawing PS11-02C Partial Second Floor Plan Area C Sanitary.
 - 4.7.6 ADD reference to drawing PS11-02D Partial Second Floor Plan Area D Sanitary.
- 4.8 Drawings S11-01A – S11-01G:
- a. In footing schedule on all foundation sheets – change reinforcing in WF4 to five #4 longitude top and bottom; #4 at 48" transverse top and bottom
- 4.9 Drawing S11-01B:
- a. Provide thickened slabs under interior masonry walls in Auxiliary Gym
- 4.10 Drawing S11-01F:
- a. Change slab depression at stage from 2 ½" to 3 ½"
- 4.11 Drawing S11-02B:
- a. On line A2 between AC and AC.8; and AE.2 and AF, provide MC12's as shown on 6/S32-03.
 - b. On A2.1 line between AD.3 and AD.8, provide continuous ¼" plate to W12x26's for flat roof deck support.
 - c. On lines AD.3 and AD.8 between A2.1 and A2.9, provide continuous angle 3x3x1/4" on top of W12's for support of flat roof deck. Field weld or bolt to W12's
 - d. Framing note #12: Change second sentence to: Provide uplift bridging designed for uplift pressures indicated on drawing S10-00. (Typical all sheets.)
- 4.12 Drawings S11-02C, 11-02D, 11-02F, 11-05D, 11-05F:
- a. At CF wing walls with brick veneer on two sides, provide HSS 6x6x3/8" outrigger off column within plane of CF. Provide at 13'-8" and at eave steel elevation.
- 4.13 Drawings S11-02C, 11-02D:
- a. Add stair note #3: All guard rails to be HSS 1 ¼"x1 ¼"x3/16" at maximum 4' o.c.
- 4.14 Drawings S11-04B:
- a. Wing wall adjacent to column AG-A8 is over lobby roof. Support 12" CMU and brick just above lobby roof with back-to-back galvanized angles 6x6x3/8" by 8' long embedded in 12" CMU parallel to AG line. Angles to cantilever from

masonry to support pier with a galvanized +/- 2'-8" x 3/8" x +/- 3' long plate shop welded to bottom of angles.

4.15 Drawing S11-04E:

- a. Provide 1 1/2" 18 gauge galvanized type B roof deck at wall jog along DF line between D13 and D12.

4.16 Drawing S11-04F:

- a. Change decking noted as "FLOOR DECK" at elevation 30'-2" above stage to 1 1/2" 20 gauge galvanized type BA Acoustical roof deck.

4.17 Drawing S11-05B:

- a. Change plan note 4 to read: Provide C4 or HSS 3x3 outrigger at all upper roof eave conditions per details.
- b. At roof over Mechanical Platform 2, provide additional (12) W16x26 short beams similar and adjacent to the (6) indicated.
- c. At roof over Mechanical Platform 2, along AJ line provide continuous bent plate with stiffeners at 24" o.c. similar to 3/S32-04 to support edge of deck.
- d. At Mechanical Platform 2 roof eaves, (lines A3.5 and A5.6 between lines AG and AJ) provide C4x7.25 outriggers at each sloping beam and columns plus continuous bent plate per 6/S32-10 similar. Connect masonry to spandrel beam per 17/S32-04.
- e. Sag rods to be 3/4" diameter.
- f. Cellular roof deck to be Type NCAS by CMC or equal.

4.18 Drawing S32-04:

- a. Section 3: Bent plate to be continuous for full length of rake. Miter at corner and connect/coordinate with bent plate shown on 1/S32-04.
- b. Section 6A: Field weld or bolt curved angle to each outrigger. Move angle to bottom flange at two side walls (low side without parapet).
- c. At Mechanical Platform 2, provide structural steel angle or bent plate pour stop at full perimeter. Modify sections 15, 15A, 17, 17A and 17B accordingly.
- d. Section 18: W 14x22's with mitered ends are not sloping ("SLP").

4.19 Drawing S32-05:

- a. Section 2: Horizontal truss is shown at incorrect elevation. Should be at bottom chord. Top of purlin should be located at bottom of deck.
- b. Section 6: Add continuous 1/4" bent plate with stiffener at 24" o.c. similar to 3/S32-04 to support edge of deck.
- c. Section 8: Locate second purlin 5'-2 1/2" from ridge at change in deck slope. Provide continuous 1/4" bent plate on top flange to support deck from each side.

Provide continuous 12 gauge bent plate on top of deck. Provide W 12x14 beams at each sag rod.

- 4.20 INSERT sketches S-SK-01 thru S-SK-27 for additional modifications.
- 4.21 INSERT drawing S11-SB Support Building Foundation & Roof Framing Plans.
- 4.22 INSERT drawing S31-SB Support Building Details.
- 4.23 INSERT drawing P20-06 Part Plans Plumbing.
- 4.24 INSERT drawing P20-07 Part Plans Plumbing.
- 4.25 INSERT drawing PS11-02C Partial Second Floor Plan Area C Sanitary.
- 4.26 INSERT drawing PS11-02D Partial Second Floor Plan Area D Sanitary
- 4.27 Drawing E50-01 – Conduit Riser Diagram – Electrical
 - a. Replace drawing in its entirety with the corresponding attachment.
 - i. ADD conduit from Electrical Room ME002 to Well House.
 - ii. ADD conduit from MDF to State Right-of-Way for Comcast.
 - iii. ADD conduit from Stadium Support Building to serve Existing Maintenance Building.
 - iv. ADD spare conduit from Electrical Room ME002 to exterior of building.
 - v. CHANGE conduit size from Electrical Room ME002 to Proposed Greenhouse Building.
 - vi. CHANGE conduit size serving fire pump.
 - vii. CHANGE conduit size serving general power, block heater, alternator strip heater, and battery charger in generator area.
- 4.28 Drawing E60-01 – Site Plan – Electrical – New Work
 - a. ADD spare conduit from Electrical Room ME002 to exterior of building. Refer to E-SK-01 for additional information.

END OF ADDENDUM NO. 3

SITE DATA

OWNER: WOODBRIDGE SCHOOL DISTRICT
ADDRESS: 16359 SUSSEX HIGHWAY
 BRIDGEVILLE, DE 19933
 (302) 337-8296

TAX PARCEL NUMBER: 530-13.00-30.00

AREA OF PARCEL: 128.14± ACRES

SOURCE OF TITLE: DEED BOOK 108 PAGES 77 & 78

ZONING: AR-1

ZONING REQUIREMENTS: MINIMUM LOT AREA: 20,000 S.F.
 LOT WIDTH: 100 FT
 FRONT YARD SETBACK: 40 FT
 SIDE YARD SETBACK: 15 FT
 REAR YARD SETBACK: 20 FT
 MAX BUILDING HEIGHT: 42 FT

DATUM: HORIZONTAL = NAD 83
 VERTICAL = NAVD 88

PROJECT BENCHMARK: MAG NAIL N 284509.69, E 600236.10
 ELEVATION: 48.19'

DATE OF SURVEY: AERIAL SURVEY: OCTOBER 2011 BY AXIS GEOSPATIAL, LLC
 FIELD SURVEY: NOVEMBER 2011 BY TRANSITION ENGINEERING SURVEYING, LLC
 BOUNDARY DEPICTED PER DAVIS, BOWEN & FRIEDEL RECORD PLAN ON-SITE WELL

WATER: TOWNS OF BRIDGEVILLE AND GREENWOOD. SEWER IS SUBJECT TO THE APPROVAL OF THE DELAWARE STATE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL, THE DELAWARE STATE DIVISION OF PUBLIC HEALTH AND THE TOWNS OF BRIDGEVILLE AND GREENWOOD.

SANITARY SEWER FLOW: 10,500 GPD = 700 STUDENTS * 15 GPD (SCHOOL W/CAFETERIA)
 42,000 GPD = PEAK (4 x AVG. FLOW)

PARKING REQUIRED: 3 PER ADMIN. OFFICES + 1/10 STUDENTS + 1/5 SEATS IN AUDITORIUM/GYM
 3 X 12 OFFICES + 1/10 X 700 STUDENTS + 1/5 X 1,800 SEATS
 466 SPACES REQUIRED

PARKING PROVIDED: EXISTING SPACES: 509 SPACES, INCLUDING 20 ADA ACCESSIBLE SPACES
 PROPOSED SPACES: 2 SPACES TO BE REMOVED + 18 NEW BUS SPACES
 TOTAL SPACES: 507 SPACES, INCLUDING 20 ADA ACCESSIBLE SPACES AND 18 BUS SPACES

LIMIT OF DISTURBANCE: PHASE 1: 18.3± ACRES
 PHASE 2: 5.9± ACRES
 TOTAL: 25.2± ACRES

LOT COVERAGE CALC'S: EXISTING (BASED CURRENT SURVEY)
 BUILDING COVERAGE: 11,996± SF, 0.27± AC
 PAVED AREAS: 291,970± SF, 6.70± AC
 OPEN SPACE: 5,277,812± SF, 121.17± AC
 TOTAL AREA: 5,581,778± SF, 128.14± AC

PROPOSED
 BUILDING COVERAGE: 135,058± SF, 3.10± AC
 PAVED AREAS: 145,372± SF, 3.34± AC
 TOTAL AREA: 147,054± SF, 3.37± AC
 BUILDING COVERAGE: 437,342± SF, 10.04± AC
 PAVED AREAS: 4,997,382± SF, 114.72± AC
 TOTAL AREA: 5,581,778± SF, 128.14± AC

GROSS FLOOR AREA: PROPOSED
 157,000 S.F. SCHOOL (PARTIAL 2-STORY)
 4,770 S.F. STADIUM SUPPORT BUILDING
 161,770 S.F. TOTAL GFA

WETLANDS: WETLANDS DELINEATION PER PLAN PREPARED BY DAVIS, BOWEN AND FRIEDEL, JULY 2005.

FIRE MARSHAL: ALL FIRE LANES, FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, SPRINKLERS, STANDPIPE CONNECTIONS, AND FIRE EXITS SHALL BE MARKED AND/OR PROTECTED IN ACCORDANCE WITH THE DELAWARE STATE FIRE REGULATIONS.

FLOODPLAIN: THIS PROPERTY LIES PARTIALLY WITHIN ZONE 'A' 100-YEAR FLOODPLAIN AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP, NUMBER 1000500125J, WITH AN EFFECTIVE DATE OF JANUARY 6, 2005. A FLOOD STUDY WAS PERFORMED BY CDA ENGINEERING, INC. IN MARCH 2012. THE 100-YEAR BASE FLOOD ELEVATION IN THE LOCATION OF THE PROPOSED SCHOOL WAS DETERMINED TO BE ELEV. 45.0.

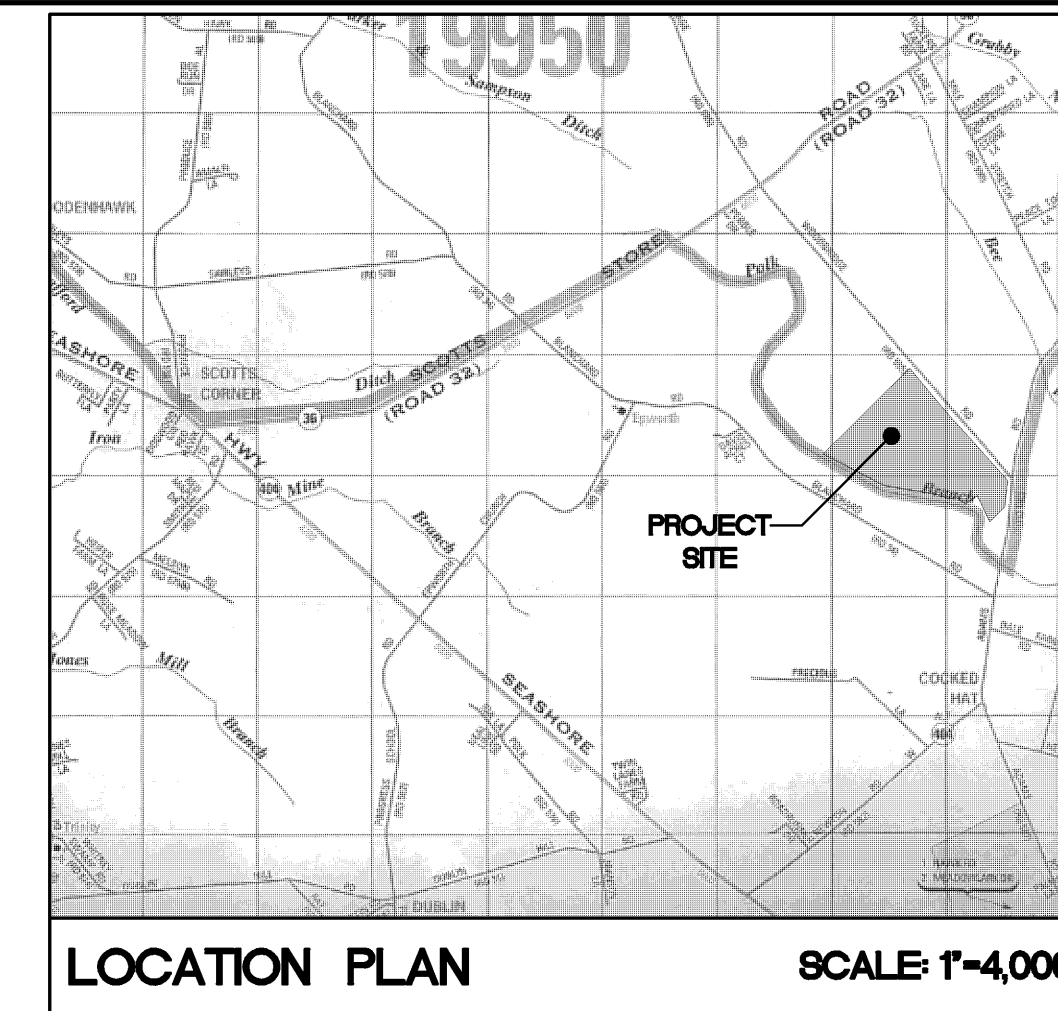
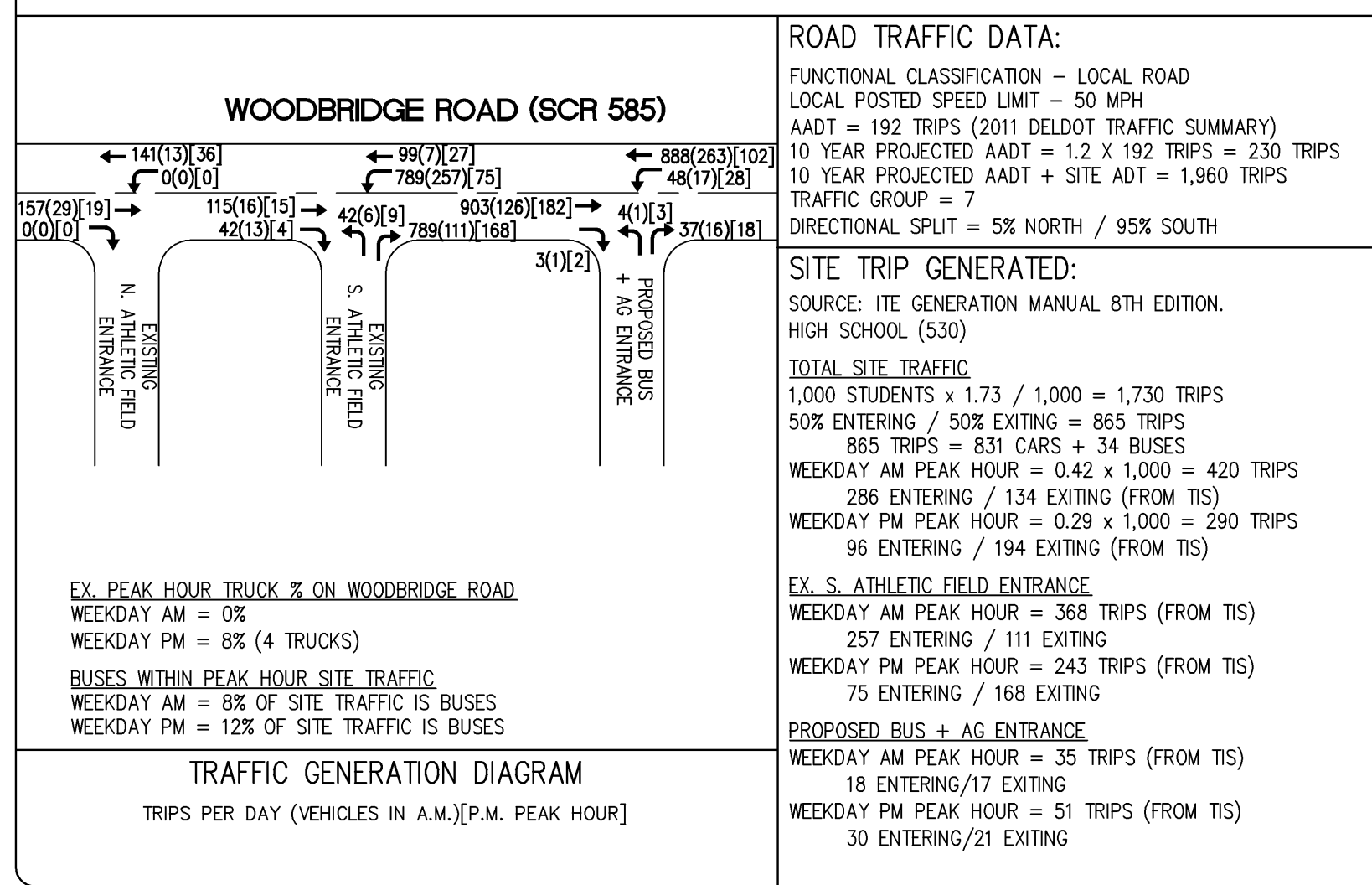
LEGEND

EXISTING	ITEM	PROPOSED
	SANITARY CLEANOUT	○
	SANITARY MANHOLE	●
	SANITARY	○
	STORM CLEANOUT	○
	STORM MANHOLE	○
	STORM CATCH BASIN	□
	STORM	○
	DOWNSPOUT	○
	DOWNSPOUT + ROOF DRAIN PIPING	○
	SUBDRAINAGE PIPING (COURTS)	○
	FIRE HYDRANT	W.V. ○
	WATER VALVE	W.V. ○
	WATER	○
	POWER POLE	○
	LIGHT POLE	○
	ELECTRIC	○
	GAS	○
	CHILLED WATER	○
	COMMUNICATION	○
	CONCRETE	▨
	ASPHALT	▨
	BUILDING FOOTPRINT	▨
	SPOT ELEVATION	50.25 x
	DIRECTIONAL FLOW ARROW	→
	CONTOURS	---
	SOIL BOUNDARY	---
	FENCE	○
	LIMIT OF DISTURBANCE	LOD
	PHASE BOUNDARY	PH1
	BOLLARD	○
	WETLANDS	○

DELDOT NOTES:

- A TRAFFIC IMPACT STUDY (TIS) WAS PERFORMED BY MCMAHON & ASSOCIATES AND APPROVED BY DELDOT ON ALL RECOMMENDATIONS FROM THE TIS WILL BE BINDING AND SHOWN ON THE APPROVED ENTRANCE, ROADWAY, AND OFF-SITE CONSTRUCTION PLANS.
- A DESIGNATED PEDESTRIAN ACCESSWAY HAS BEEN PROVIDED THROUGH THE SITE FROM THE NEW BUS/AG BUILDING ENTRANCE TO THE EXISTING NORTHERN ATHLETIC FIELD ENTRANCE. THIS DESIGNATED ACCESSWAY WILL BE AVAILABLE FOR PUBLIC USE AND MAINTAINED AT ALL TIMES. A FEE-IN-LIEU OF CONSTRUCTION FOR A MULTI-USE PATH ALONG WOODBRIDGE ROAD FROM THE NORTHERN PROPERTY LINE TO THE EXISTING NORTHERN ATHLETIC FIELD ENTRANCE AND FROM THE SOUTHERN PROPERTY LINE TO THE NEW BUS/AG BUILDING ENTRANCE WILL BE PROVIDED TO BE CONSTRUCTED IN THE FUTURE BY OTHERS.
- A BYPASS LANE IS NOT REQUIRED AT THE EXISTING SOUTH ATHLETIC FIELD ENTRANCE. AN AGREEMENT WILL BE PROVIDED BETWEEN THE SCHOOL DISTRICT AND DELDOT TO PROVIDE FOR A BYPASS LANE AT THE EXISTING SOUTH ATHLETIC FIELD ENTRANCE IF NEED IS DEMONSTRATED IN THE FUTURE.

TRIP GENERATION - WOODBRIDGE ROAD (SCR 585)



SHEET INDEX

ENTRANCE PLAN	ENT-1
ENTRANCE PLAN	ENT-2
ENTRANCE PLAN	ENT-3
DELDOT EROSION & SEDIMENT CONTROL PLAN	ENT-4
DELDOT NOTES & DETAILS	ENT-5
CROSS SECTIONS & DETAILS	ENT-6

CONSULTANTS:

CDA ENGINEERING INC.
 CIVIL/SITE ENGINEERING AND LAND PLANNING
 6 LARCH AVENUE
 SUITE 401
 WILMINGTON, DE 19804
 Tel: 302.989.9202
 Fax: 302.691.1214
 cdaengineering.com

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ISSUE DATES:

PRELIMINARY SITE PLAN SUBMISSION	2.3.12
SEDIMENT & STORMWATER SUBMISSION	3.12.12
DESIGN DEVELOPMENT SUBMISSION	3.28.12
REVISED DELDOT INITIAL STAGE SUBMISSION	4.30.12
BID PACK #3	7.3.12
ADDENDUM #1	7.23.12

Fearn Clendaniel Architects
 6 Larch Avenue • Suite 398 • Wilmington, Delaware 19804
 Ph. 302-696-7615 • Fax. 302-696-7685
 www.fearnclendaniel.net

PROJECT:

WOODBRIDGE SCHOOL DISTRICT

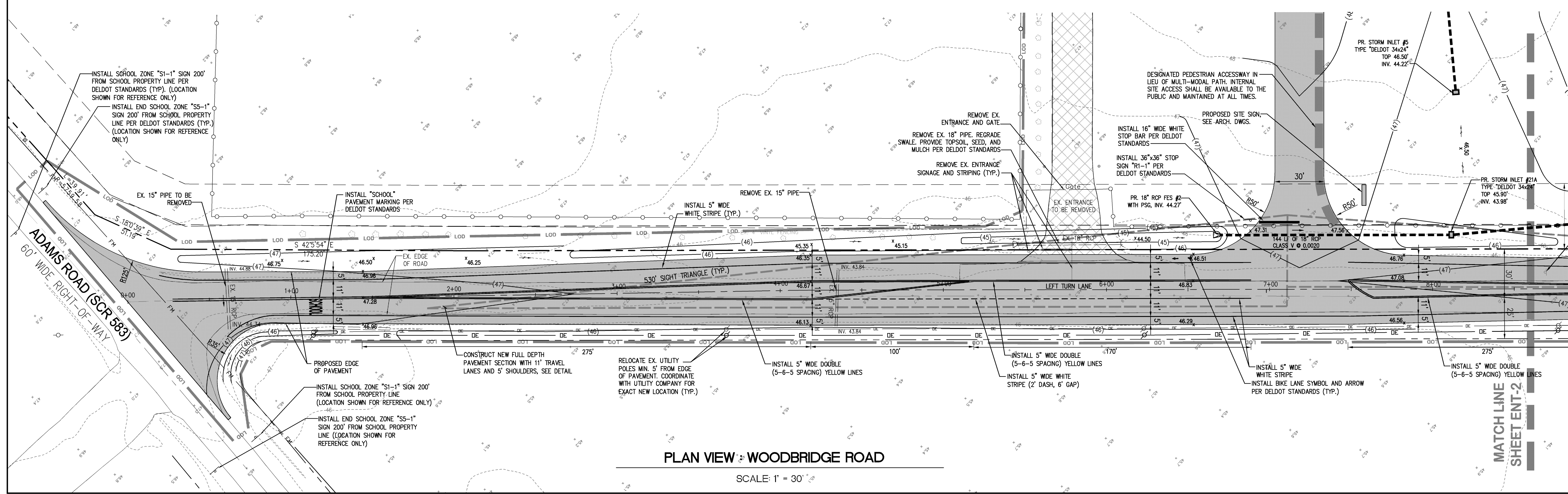
NEW HIGH SCHOOL

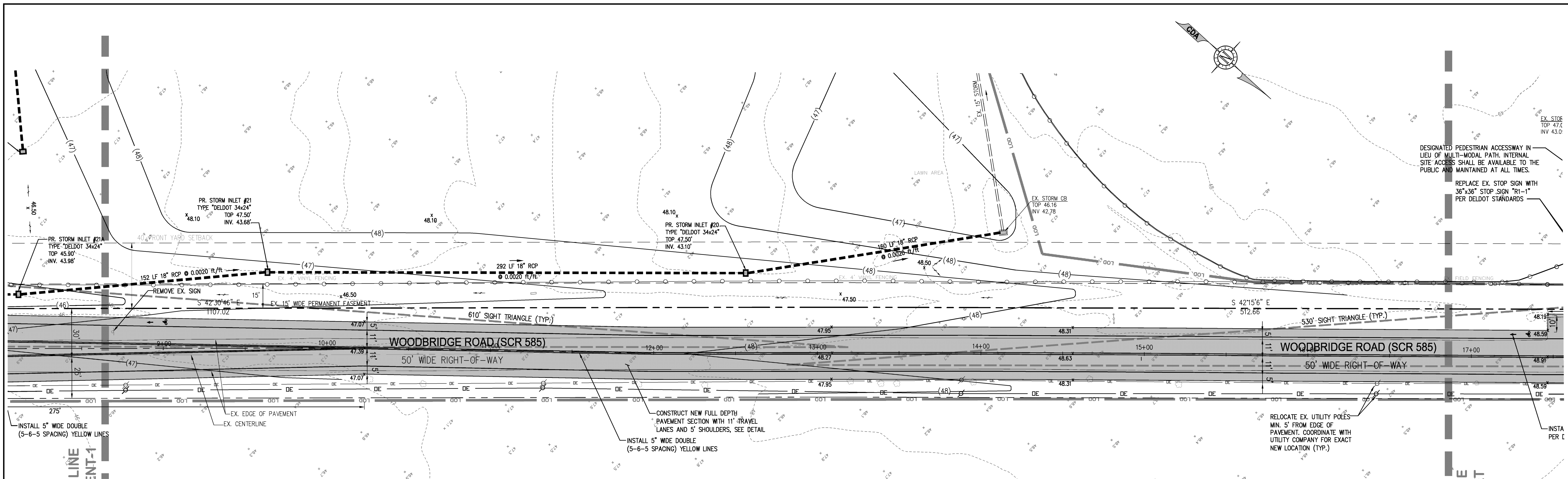
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 SUSSEX COUNTY, DE

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ENTRANCE PLAN

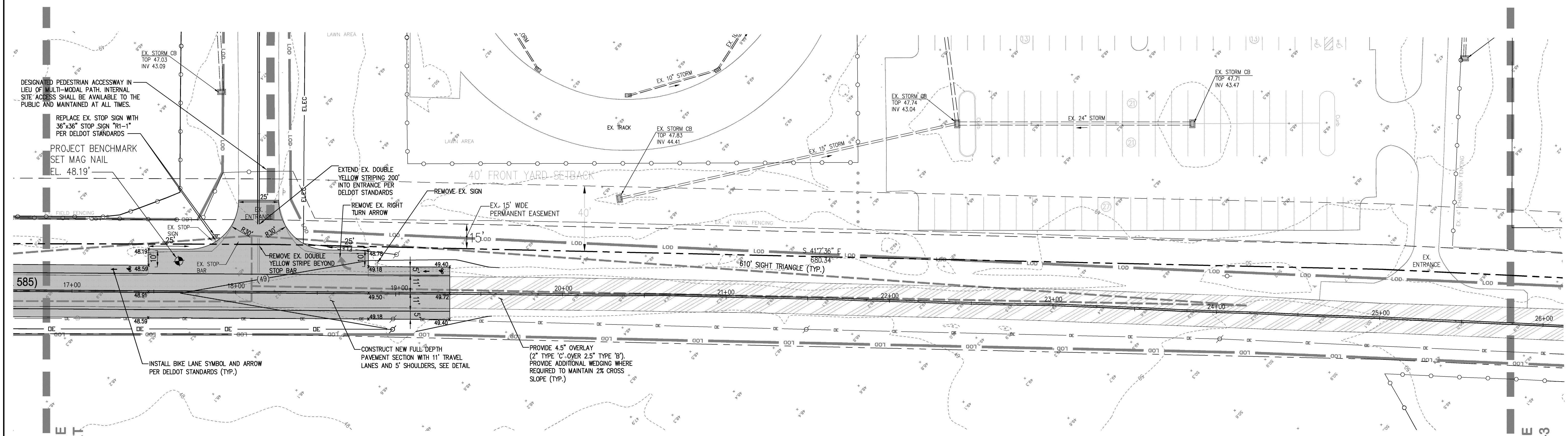
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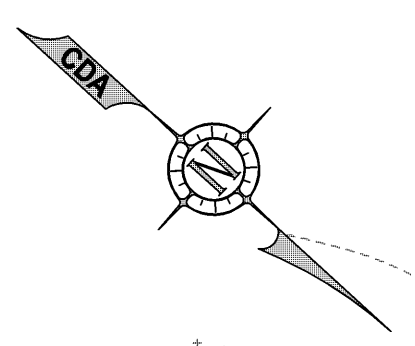
PLAN VIEW : WOODBRIDGE ROAD

SCALE: 1" = 30'



PLAN VIEW : WOODBRIDGE ROAD

SCALE: 1" = 30'



CONSULTANTS :

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 CIVIL/SITE ENGINEERING AND LAND PLANNING
 6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
 TEL: 302.988.9202 FAX: 302.691.1214 CDENGINEERING.COM

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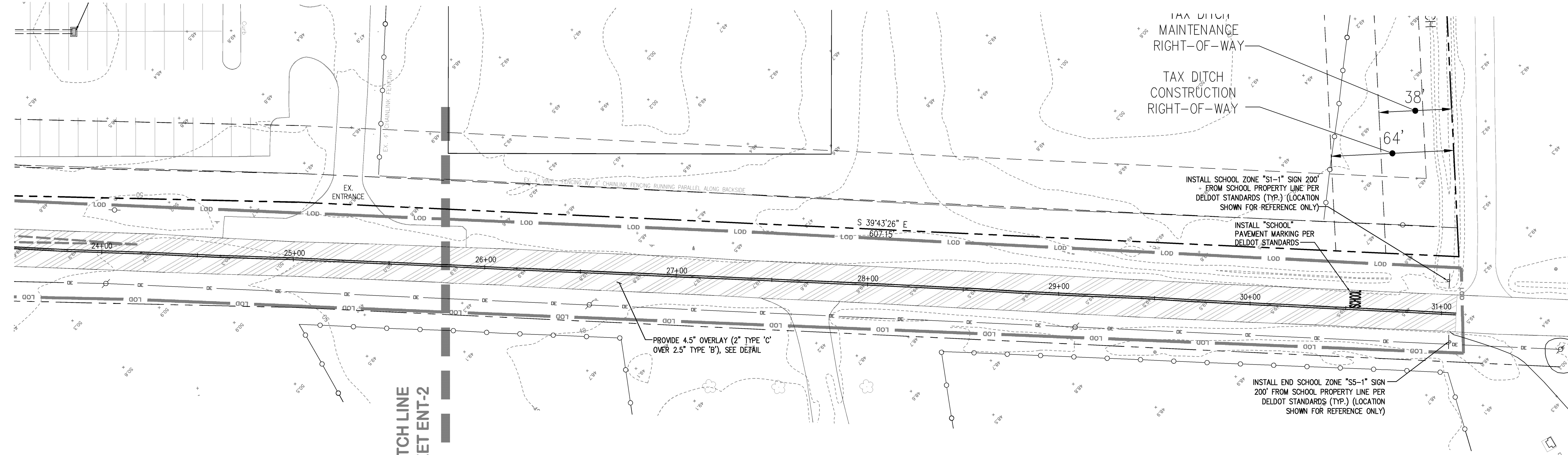
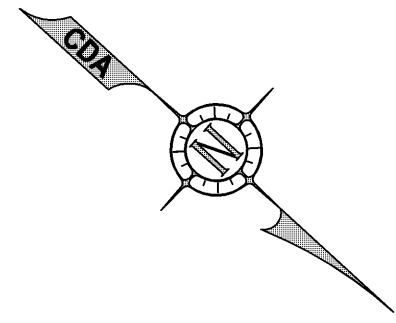
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ADDENDUM #3	7.23.12

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 www.fearnclendaniel.net

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NEW HIGH SCHOOL
 Woodbridge Road
 SUSSEX COUNTY, DE

DRAWING TITLE:
ENTRANCE PLAN

DWN. BY:	CHK. BY:	PROJECT NUMBER:
EMT	CD	11109
DATE:	DRAWING NUMBER:	
02-03-2012	ENT-2	
SCALE:	1"=30'	



MATCH LINE
SHEET ENT-2

PLAN VIEW : WOODBRIDGE ROAD

SCALE: 1" = 30'

CONSULTANTS :

CDA ENGINEERING INC

CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE Tel: 302 988 9202
SUITE 401 Fax: 302 981 1214
WILMINGTON, DE 19804 cdengineering.com

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Ph: 302-988-1815 • Fax: 302-988-7885
www.fearnclendaniel.com

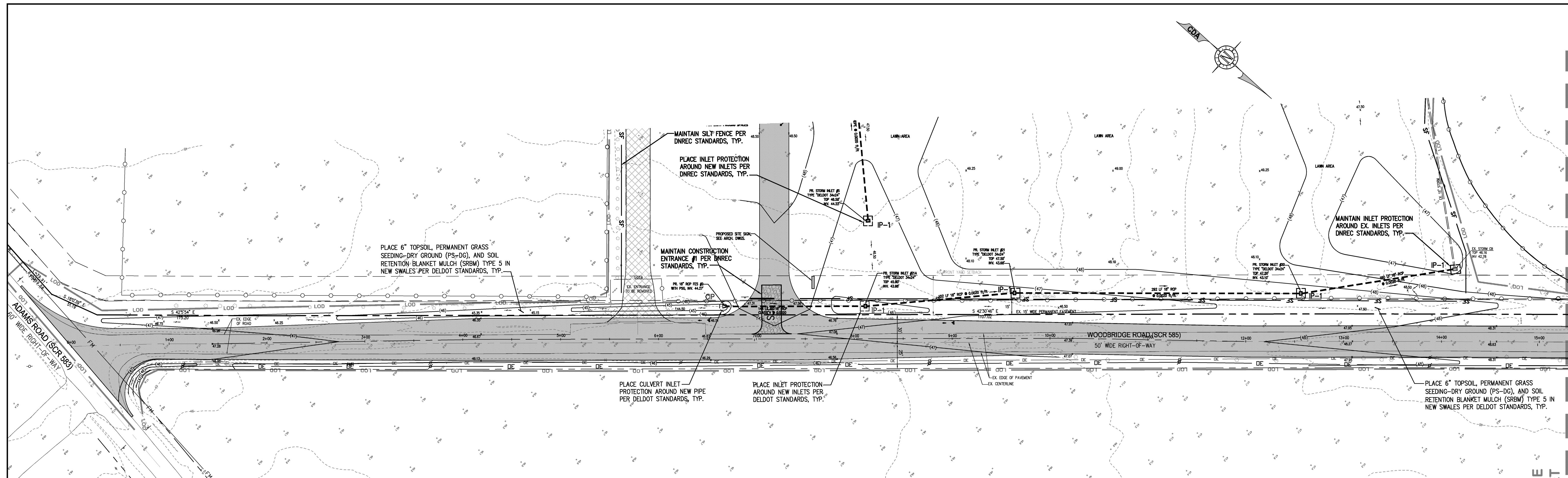
PROJECT :

WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:

ENTRANCE PLAN

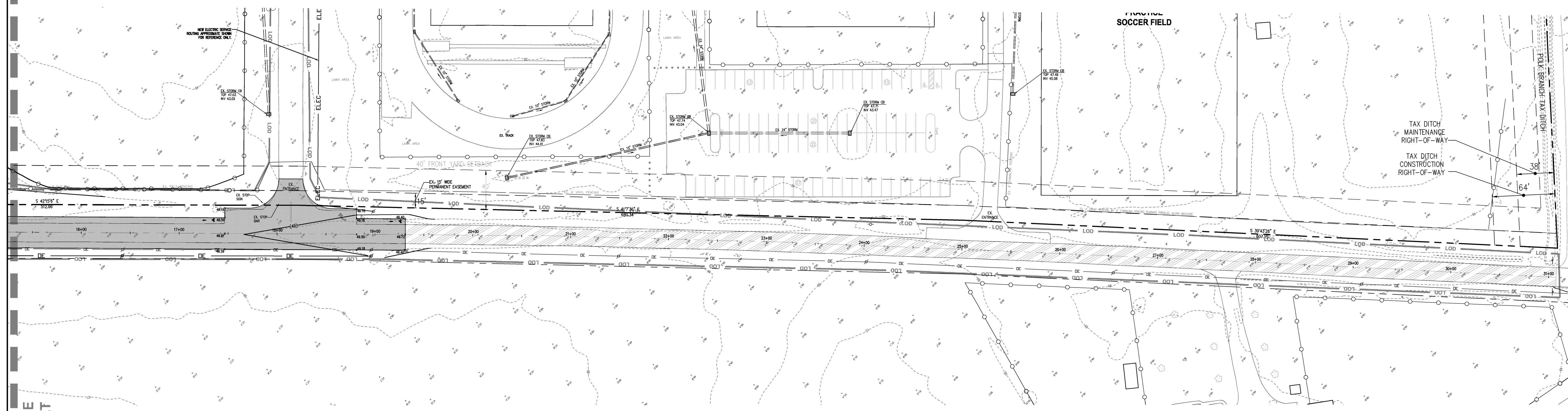
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EMT	CD	11109
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PLAN VIEW : WOODBRIDGE ROAD

SCALE: 1" = 50'

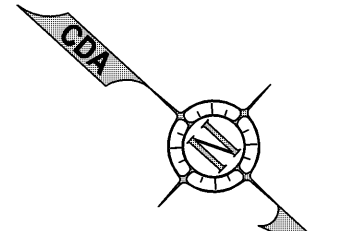
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PLAN VIEW : WOODBRIDGE ROAD

SCALE: 1" = 50'

MATCH LINE
THIS SHEET



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CDA ENGINEERING INC.
 CIVIL/SITE ENGINEERING AND LAND PLANNING
 6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
 TEL: 302.988.9202 FAX: 302.691.1214
 CDENGINEERING.COM

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 www.fearnclendaniel.net

PROJECT :

WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
 Woodbridge Road
 SUSSEX COUNTY, DE

DRAWING TITLE: **DELDOT EROSION & SEDIMENT CONTROL PLAN**

DWN. BY: EMT	CHK. BY: CD	PROJECT NUMBER: 11109
DATE: 02-03-2012	DRAWING NUMBER: ENT-4	
SCALE: 1"=50'		

GENERAL NOTES: COMMERCIAL

- ALL ENTRANCES SHALL CONFORM TO DELDOT'S STANDARDS AND REGULATIONS FOR SUBDIVISION STREETS AND STATE HIGHWAY ACCESS AND SHALL BE SUBJECT TO ITS APPROVAL.
- ALL DISTURBED AREAS WITHIN THE STATE RIGHT-OF-WAY, BUT NOT IN THE PAVEMENT, SHALL BE TOPSOLED (6" MINIMUM), FERTILIZED, SEEDED AND MULCHED.
- A 72-HOUR (MINIMUM) NOTICE SHALL BE GIVEN TO THE DELDOT DISTRICT PERMIT SUPERVISOR PRIOR TO STARTING ENTRANCE CONSTRUCTION.
- MISS UTILITY OF DELAWARE SHALL BE NOTIFIED THREE (3) CONSECUTIVE WORKING DAYS PRIOR TO EXCAVATION, AT 1-800-282-8555.
- ALL SIGNING AND MAINTENANCE OF TRAFFIC IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL FOLLOW THE GUIDELINES SHOWN IN THE DELAWARE MUTCD FOR STREETS AND HIGHWAYS (LATEST EDITION).
- DESIGN, FABRICATION AND INSTALLATION OF ALL PERMANENT SIGNING SHALL BE AS OUTLINED IN THE "GUIDE FOR FABRICATION AND INSTALLATION OF TRAFFIC CONTROL DEVICES."
- FOR FINAL PERMANENT PAVEMENT MARKINGS, EPOXY RESIN PAINT SHALL BE REQUIRED FOR LONG LINE STRIPING AND THERMO WILL BE REQUIRED FOR SHORT LINE STRIPING, I.E. SYMBOLS/LEGENDS.
- EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION; COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES INVOLVED IN ORDER TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION AND ELEVATION. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGIN WITHOUT NOTIFYING THEIR OWNERS AT LEAST 48-HOURS IN ADVANCE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AND ANY DAMAGE DONE TO THEM DUE TO HIS/HER NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE CONTRACTOR'S EXPENSE. TO LOCATE EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELMARVA (SEE NOTE #4).
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION. SHALL COMPLY WITH THE TRAFFIC CONTROL MANUAL, AND SHALL BE NCHRP-350 APPROVED AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN GOOD CONDITION FOR DURATION OF USE.
- WITHIN THE CONSTRUCTION AREA ROAD WORK - 1500 FT, 1000 FT, 500 FT, AND END OF WORK PERMANENT SIGNS SHALL BE PLACED WHENEVER POSSIBLE. IF THE ABOVE DISTANCES ARE NOT APPLICABLE, A "ROAD WORK AHEAD" PERMANENT SIGN SHALL BE PLACED, AS DIRECTED BY THE SOUTH DISTRICT INSPECTOR. AN "END OF ROAD WORK" PERMANENT SIGN SHALL BE PLACED ON THE RIGHT SIDE, 500' FROM THE WORK ZONE. ALL DIMENSIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED BY THE SOUTH DISTRICT INSPECTOR. ALL PERMANENT TRAFFIC CONTROL SIGNS SHALL BE SEVEN FEET FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE GROUND.
- BREAKAWAY POSTS SHALL BE USED WHEN INSTALLING ALL SIGNS.
- PLAN LOCATION AND DIMENSIONS SHALL BE STRICTLY ADHERED TO UNLESS OTHERWISE DIRECTED BY THE DISTRICT PERMIT SUPERVISOR.
- NO LANDSCAPING SHALL BE PERMITTED WITHIN THE DELDOT RIGHT-OF-WAY.
- VERIFY IF ANY UTILITIES WILL NEED TO BE RELOCATED DUE TO THE ADDITION OF THE SHOULDER. FOR CLEAR ZONE PURPOSES, ALL UTILITIES ARE TO BE A MINIMUM 10- FEET FROM THE EDGE OF TRAVEL LANE OR 5- FEET FROM THE EDGE OF PAVEMENT. ANY UTILITY THAT DOES NOT MEET THIS REQUIREMENT SHALL BE RELOCATED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT PAVING WITH THE STATE OF DELAWARE RIGHT-OF-WAY IS INSTALLED TO THE ELEVATIONS SHOWN AND THAT NO PONDING OF WATER EXISTS AFTER PAVING IS COMPLETE.
- ALL STORM DRAIN PIPING, INLET, MANHOLE AND END SECTION INSTALLATION WITHIN THE STATE OF DELAWARE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2001.
- ALL STORM DRAIN PIPING DESIGNATED AS RCP IS TO BE REINFORCED CONCRETE PIPE, MEETING AASHTO M-170 SPECIFICATIONS. SEE PLANS FOR SPECIFIC CLASS OF PIPE.
- DRIVEWAYS WILL NOT BE PERMITTED TO BE PLACED AT CATCH BASIN LOCATIONS.
- A COPY OF THE UP TO DATE APPROVED MAINTENANCE OF TRAFFIC PLANS AND APPROVAL LETTER SHALL BE ON THE PROJECT AT ALL TIMES.
- ALL STEEL USED IN CATCH BASINS SHALL BE 60 KS.
- HOT-MIX SHALL BE PLACED IN ACCORDANCE WITH DELDOT SPECIAL PROVISION 4016IX-SUPERPAVE TYPE HOT-MIX.

Subdivision Manual Temporary Traffic Control Notes

Revised February 1, 2011

- All work shall be performed in a manner that will reasonably provide the least practicable obstruction to road users, including vehicular traffic, bicycle traffic and pedestrian traffic.
- All temporary traffic control and temporary traffic control devices shall comply with the contract documents and with the latest edition of the manual titled "State of Delaware Manual on Uniform Traffic Control Devices (MUTCD)," herein after referred to as the "Delaware MUTCD", including all revisions as of the date of the entrance permit approval.
- The Department reserves the right to stop the Contractor's operations, if, in the opinion of the Department's Representative, the Contractor's operations are in compliance with the Delaware MUTCD, the specifications or the plans or if the Contractor's operations are deemed unsafe.
- If the Contractor desires to deviate from the Temporary Traffic Control Plan (TTCP) provided in the plan set or desires changes to the phasing or scope of the TTCP, the Contractor shall submit a new TTCP to the District Safety Officer for approval prior to the start of work at each and every location. The TTCP shall be prepared, signed and sealed by a Professional Engineer registered in the State of Delaware and shall be prepared in accordance with all applicable DelDOT standards. The TTCP shall be submitted 14 calendar days in advance of starting work.
- All roadway closures or lane closures beyond those specified and approved in the Plans shall be approved by the District Safety Officer a minimum of two weeks in advance of the proposed restriction.
- Temporary traffic control devices shall be maintained in good condition in accordance with the brochure entitled "Quality Guidelines for Temporary Traffic Control Devices," published by the American Traffic Safety Services Association (ATSSA). Any temporary traffic control devices that do not meet the quality guidelines shall be removed and replaced with acceptable devices. Failure to comply will result in work stoppage.
- Temporary traffic control devices used on all roadways open to the public in Delaware shall conform to the Delaware MUTCD and shall be in new or refurbished condition. All devices shall be crashworthy in accordance with the National Cooperative Highway Research Program (NCHRP) Report 350 and/or in accordance with the latest edition of the Manual for Assessing Safety Hardware (MASH), published by the American Association of State Highway and Transportation Officials (AASHTO). The Contractor shall submit certification for all temporary traffic control devices used specifically on this project to the District Safety Officer at or prior to the pre-construction meeting. The Contractor shall not begin work or place any temporary traffic control devices until the certification of devices has been approved by the District Safety Officer.
- Any deficiencies related to temporary traffic control that are reported to the Contractor in writing shall be corrected within 24 hours or as directed by the District Safety Officer.

Corrective actions on severe deficiencies shall be taken immediately. Failure to comply will result in the suspension of work until devices are brought back into compliance.

- Access to all businesses and residences within the Project limits shall be maintained throughout the duration of this Contract. Any temporary closure of a driveway or entrance for tie-in purposes shall be coordinated with the Engineer and the property owner in advance of the closure.
- Access to all transit stops located within the project limits shall be maintained unless otherwise directed by the Plans or the Engineer. Maintaining access to the transit stop shall include maintaining an area of the transit vehicle to stop to pick-up and discharge passengers and also an accessible path for pedestrians to safely access the transit stop.
- The Contractor shall provide all property owners and residents who live adjacent to the work zone with written notice, 48 hours in advance of the start of construction work. This notification shall include the scope of work, working hours, anticipated start and completion dates; a summary of construction activities which may interfere with access to the property including a schedule and access coordination plan; Contractor's name and address and a DelDOT contact phone number. Failure to give proper notice will result in a suspension of the work requiring notice, until proper notice is provided. The Contractor shall provide written verification to the Engineer that the property owners and residents were notified.
- The Contractor shall be responsible for notifying the local 911 center, local schools and the DelDOT Public Information Center of all roads and lanes to be closed a minimum of seven calendar days before the closure.
- The Contractor shall notify the local 911 center if access to a fire hydrant is temporarily restricted.
- The Contractor shall be responsible for ensuring that the Transportation Management Center is notified each and every day when work is being performed in State right-of-way. The Contractor shall identify the type of work, any lane(s) or shoulders closed, the length of time for work, when the lane restrictions are in place and when lane restrictions are lifted, contact person/phone number and State Inspector. The Transportation Management Center can be reached at (302) 659-4600.
- At the end of each workday, the Contractor shall correct all vertical differences in accordance with Table 6G-1 of the Delaware MUTCD.
- At the end of each day's operation and before traffic is returned to unrestricted roadway use, temporary pavement markings shall be applied in accordance with the Delaware MUTCD and DelDOT's Temporary Pavement Markings Policy.
- When side roads intersect the work zone, additional traffic control devices shall be erected including permanent warning signs.
- All storage of equipment and material shall comply with section 6G.22 of the Delaware MUTCD.
- All Flaggers shall comply with Chapter 6E of the Delaware MUTCD.
- The Contractor shall be responsible for coordinating his/her work with other contractors in the area.
- All persons working within the State right-of-way shall wear a minimum of an ANSI Class II safety vest meeting or exceeding the ANSI 107-2004 requirements, as specified in the Delaware MUTCD.
- All pavement markings that are no longer in use and conflict with temporary pavement markings shall be removed and completely obliterated by a method approved by the Engineer. Painting over the conflicting pavement markings will not be accepted as a method of removal.
- The Contractor is responsible for the maintenance of existing pavement within the project limits for the duration of the contract or as directed by the Engineer.
- All roadways and entrances not open to traffic shall be closed using Type III barricades and shall be installed per the Delaware MUTCD. If the roadway or entrance is closed for more than one month, the Contractor shall erect permanent barricades as directed in Part 3 of the Delaware MUTCD.
- Within the mainline work area, permanent advance warning signs with the legends ROAD WORK 1500 FT, ROAD WORK 1000 FT and ROAD WORK 500 FT shall be installed in advance of the work area in both directions. An END ROAD WORK sign shall be located 500 feet downstream from the work area. On intersecting roadways within the project limits, a ROAD WORK AHEAD sign shall be placed at a distance not less than 500 feet in advance of the work area and an END ROAD WORK sign shall be located 500 feet downstream of the work area. All permanent advance warning signs shall be ground mounted on two XCBIP-350 or MASH approved breakaway posts and shall be mounted in compliance with the Delaware MUTCD. Permanent advance warning signs shall be mounted at a height of 7 feet, measured from the roadway to the bottom of the sign. The use of skid mounted sign supports is not allowed unless the Contractor can demonstrate that a utility conflict exists, which shall be verified by the Engineer, or concrete medians prevent the installation of the permanent advance warning signs in the appropriate location.

SEQUENCE OF CONSTRUCTION

- NOTIFY MISS UTILITY THREE (3) DAYS PRIOR TO COMMENCING CONSTRUCTION. (1-800-282-8555)
- REMOVE EXISTING ENTRANCE AND ASSOCIATED STORM PIPING AS SHOWN ON PLANS.
- INSTALL STORM DRAINAGE SYSTEM (PIPES, FLARED END SECTIONS, MANHOLES, AND INLETS). INSTALL INLET FILTERS ON ALL NEW STORM INLETS AND INSTALL CULVERT INLET PROTECTION ON NEW PIPE INLET PER DELDOT REQUIREMENTS AND AS SHOWN ON PLANS.
- START BULK GRADING AND CONSTRUCTION FOR ROAD WIDENING AND NEW ENTRANCES.
- IMMEDIATELY AFTER FINAL GRADE IS ACHIEVED, PLACE TOPSOIL AND PERMANENT SEEDING AND MULCHING OVER ALL DISTURBED AREAS PER DELDOT STANDARDS AND AS SHOWN ON THE PLANS. APPLY BLANKET MULCH IN NEW SWALES PER DELDOT STANDARDS.
- UPON COMPLETION OF ALL LAND DISTURBING ACTIVITIES AND ONCE ALL AREAS ARE STABILIZED AND APPROVED BY DELDOT INSPECTOR, EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED.

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DE MUTCD

Notes for Figure 6H-10—Typical Application 10 Lane Closure on a Two-Lane Road Using Flaggers (Delaware Revision)

Options:

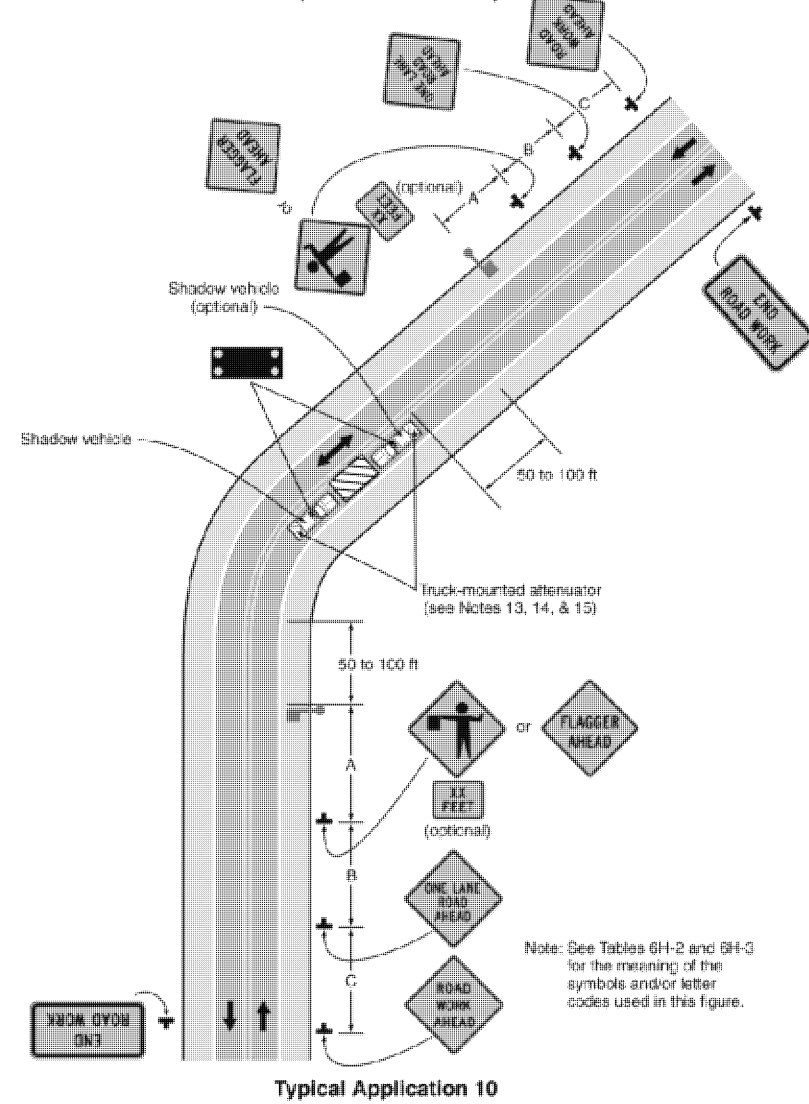
- For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
- THE ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
- A BE PREPARED TO STOP sign may be added to the sign series.
- The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.
- Standard:
- At night, flagger stations shall be illuminated, except in emergencies.
- Guidance:
- When used, the BE PREPARED TO STOP sign should be located between the Flagger symbol (or FLAGGER AHEAD) sign and the ONE LANE ROAD sign.
- Where drivers emerging from an intersecting roadway will not encounter an advance warning sign prior to the work zone, additional signs should be placed on the intersecting road.
- When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing (see Figure 6H-46).
- When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices (see Figure 6H-46).
- When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line (see Figure 6H-46).
- Early coordination with the railroad company or light rail transit agency should occur before work starts (see Figure 6H-46).
- Options:
- A flagger or a uniformed law enforcement officer may be used at the upstream side of the grade crossing to minimize the probability that vehicles are stopped within 50 feet of the grade crossing, measured from both sides of the outside rails (see Figure 6H-46).
- Standard:
- For long-term, intermediate-term, and short-term operations, a truck-mounted attenuator shall be used on roadways with a posted speed limit or 85th-percentile speed greater than 40 mph.
- Options:
- For short duration operations of 15 minutes or less along roadways with a posted speed limit or 85th-percentile speed greater than 40 mph, a truck-mounted attenuator may be omitted if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
- Truck-mounted attenuators may be used for all operations along roadways with a posted speed limit or 85th-percentile speed less than or equal to 40 mph.

June 2011

DE MUTCD

Page 6H-35

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10) (Delaware Revision)



June 2011

CONSULTANTS :

CDA ENGINEERING INC.
 CIVIL/SITE ENGINEERING AND LAND PLANNING
 6 LARCH AVENUE
 SUITE 401
 WILMINGTON, DE 19804
 Tel: 302 988 9202
 Fax: 302 991 1214
 cdengineering.com

Fearn & Clendaniel Architects
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SEDIMENT & STORMWATER SUBMISSION	3.12.12
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REVISED DELDOT INITIAL STAGE SUBMISSION	4.30.12
BID PACK 'A'	7.3.12
ADDENDUM #3	7.23.12

Fearn & Clendaniel Architects INC.
 6 Larch Avenue • Suite 398 • Wilmington, Delaware 19804
 Ph. 302-988-7615 • Fax: 302-988-7685
 www.fearnclendaniel.net

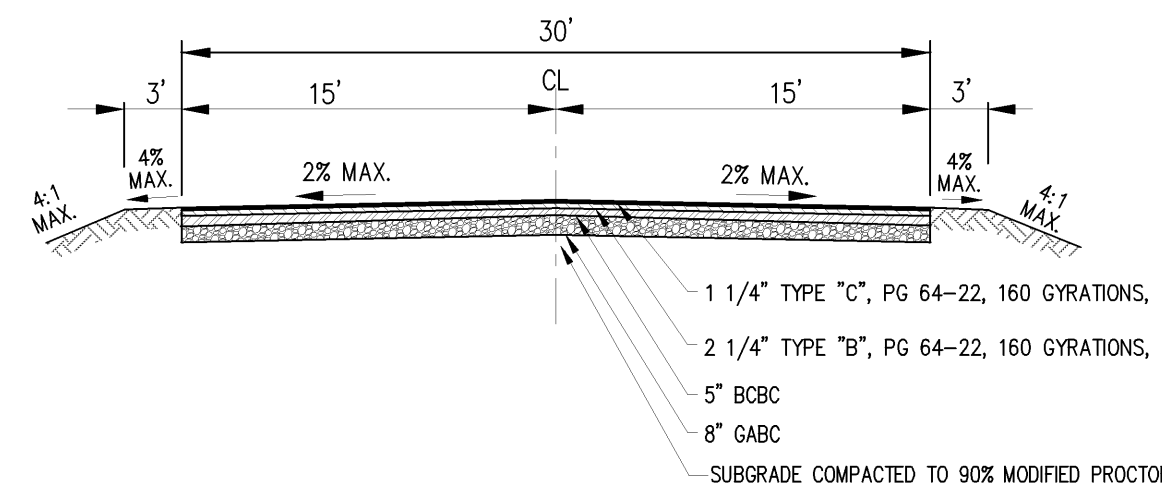
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**WOODBRIIDGE SCHOOL DISTRICT
 NEW HIGH SCHOOL**

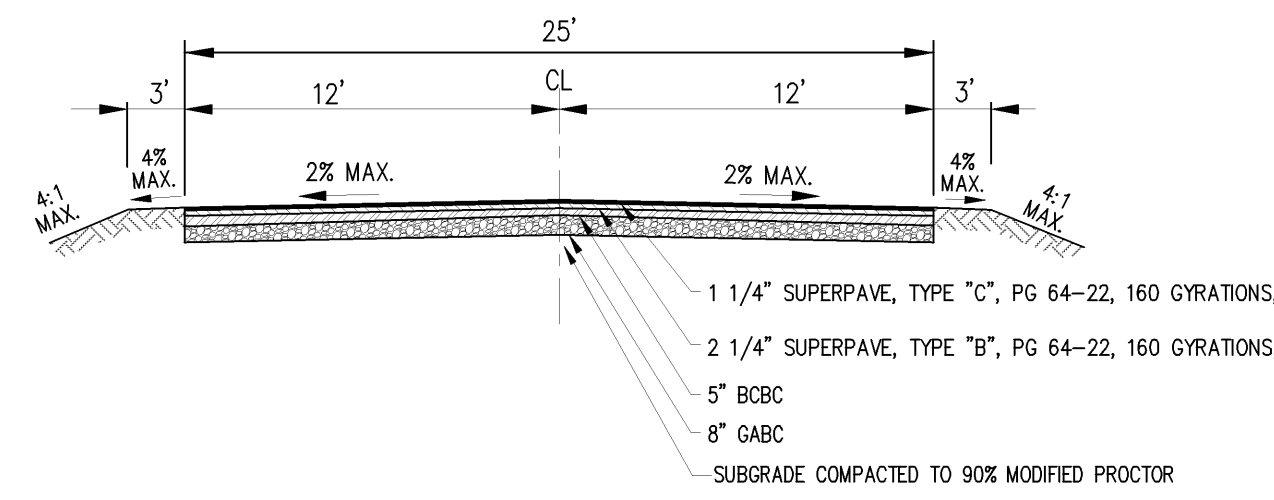
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 NOTES & DETAILS**

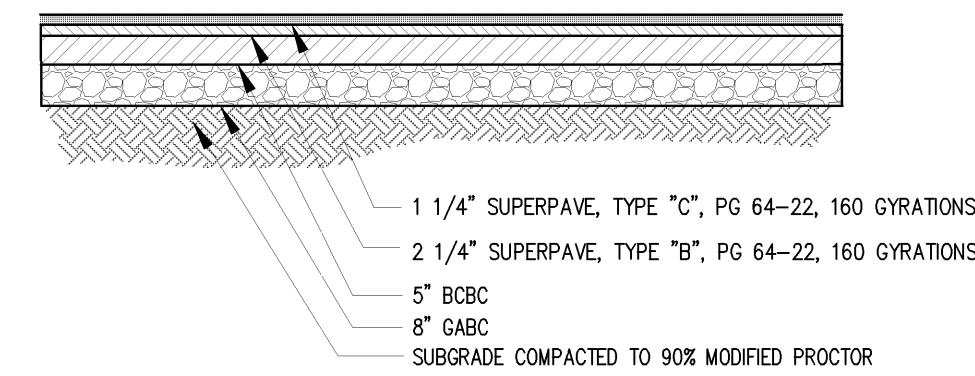
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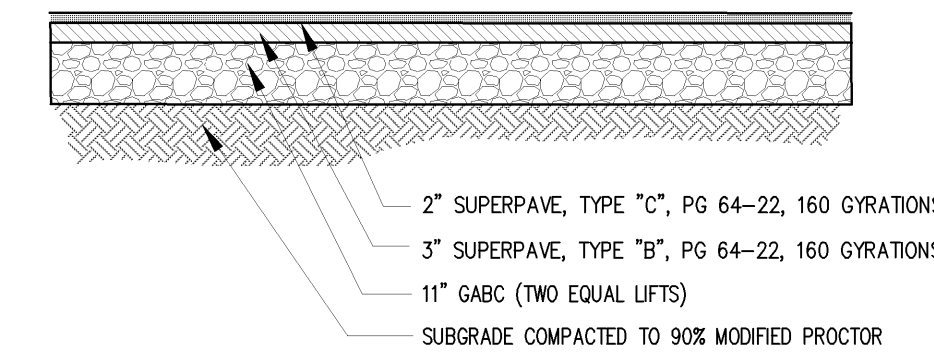
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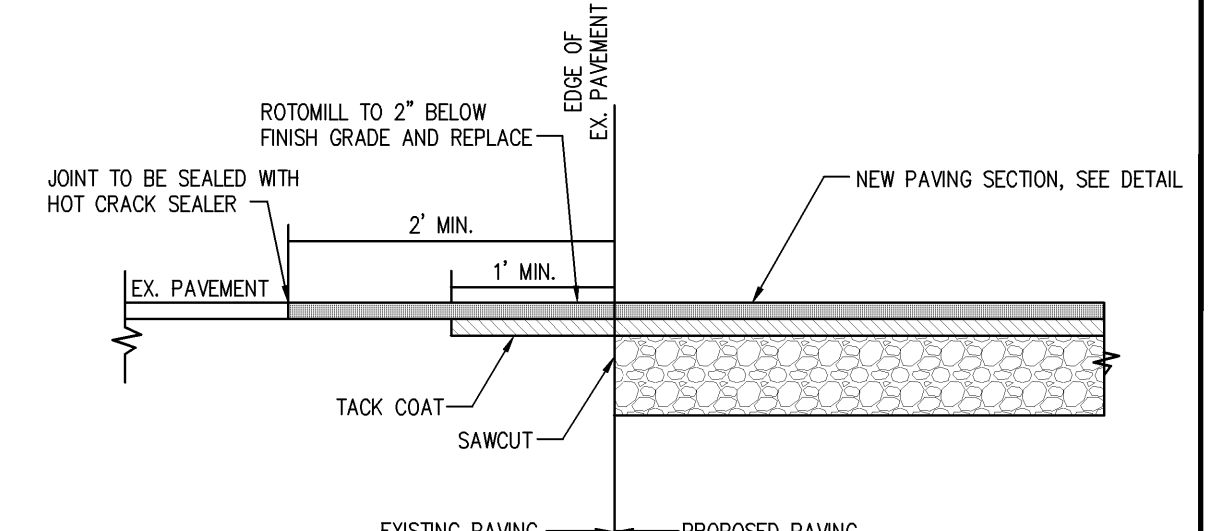
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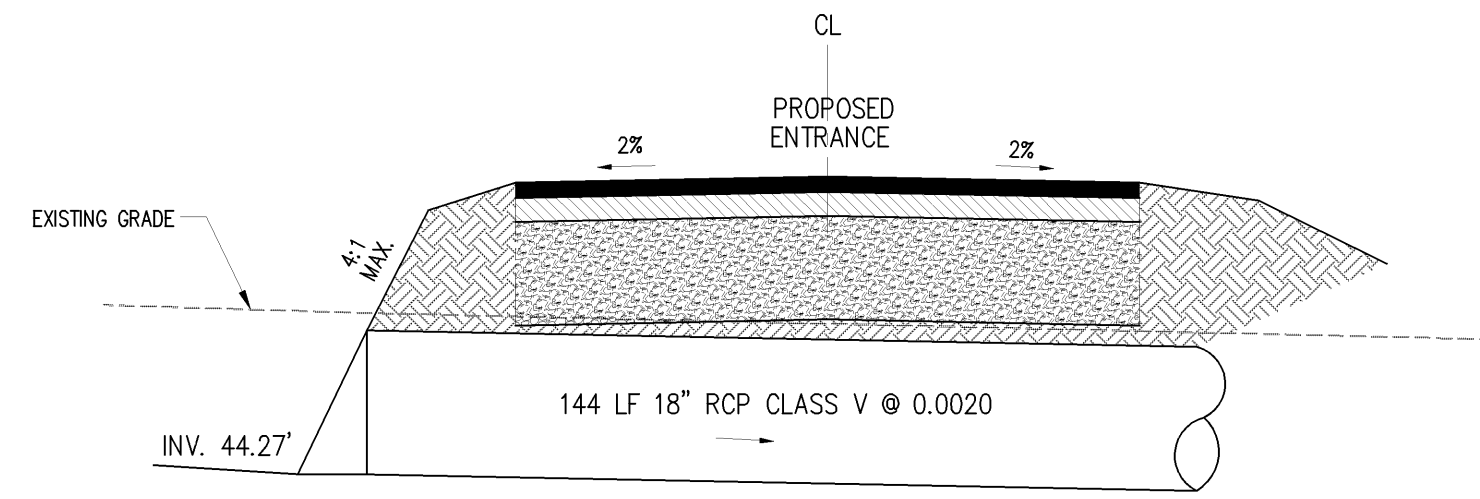
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FOR DELDOT ENTRANCES
NOT TO SCALE



SECTION: PAVEMENT SECTION - CLASS C
FOR WOODBRIDGE ROAD WIDENING
NOT TO SCALE

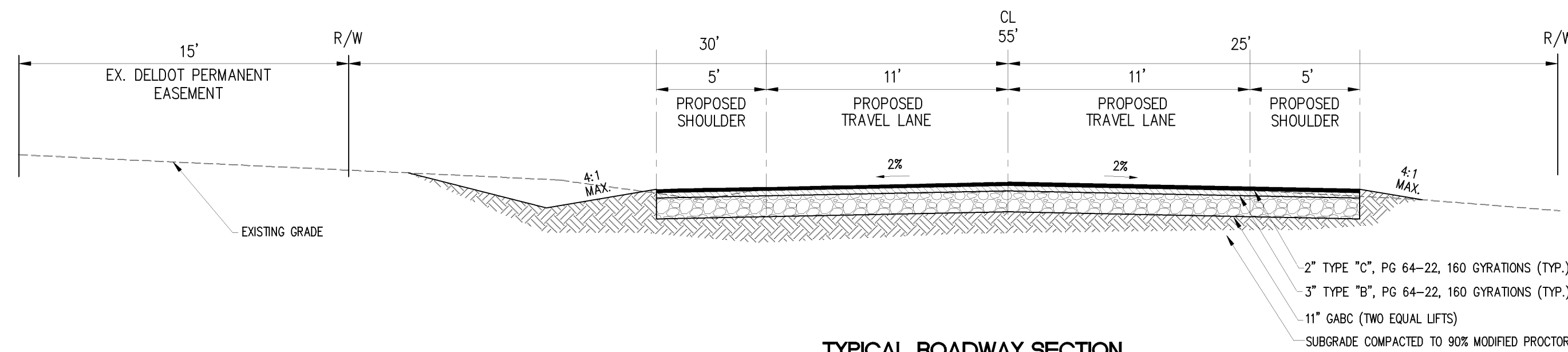


PAVEMENT TIE-IN DETAIL
N.T.S.

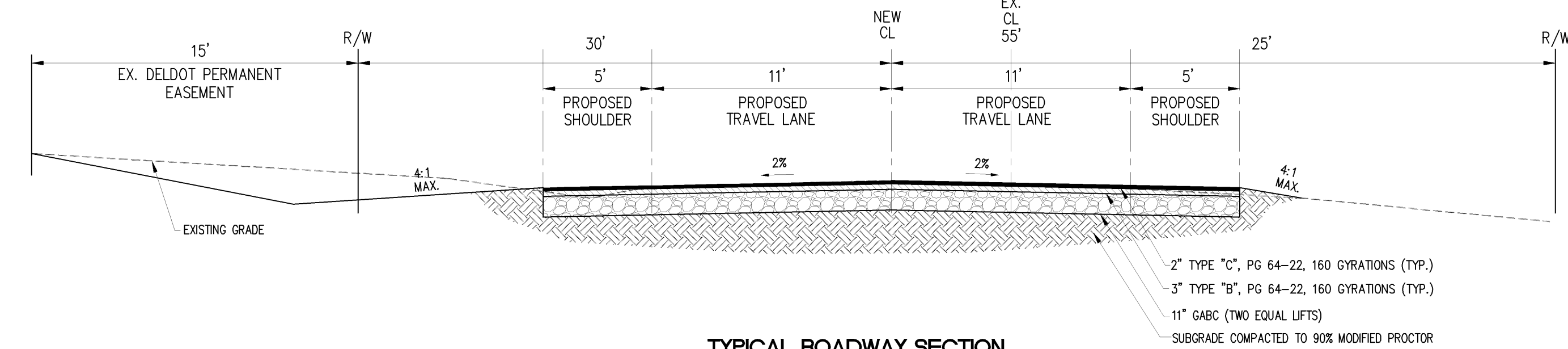


PROFILE: PIPE UNDER BUS/AG. ENTRANCE

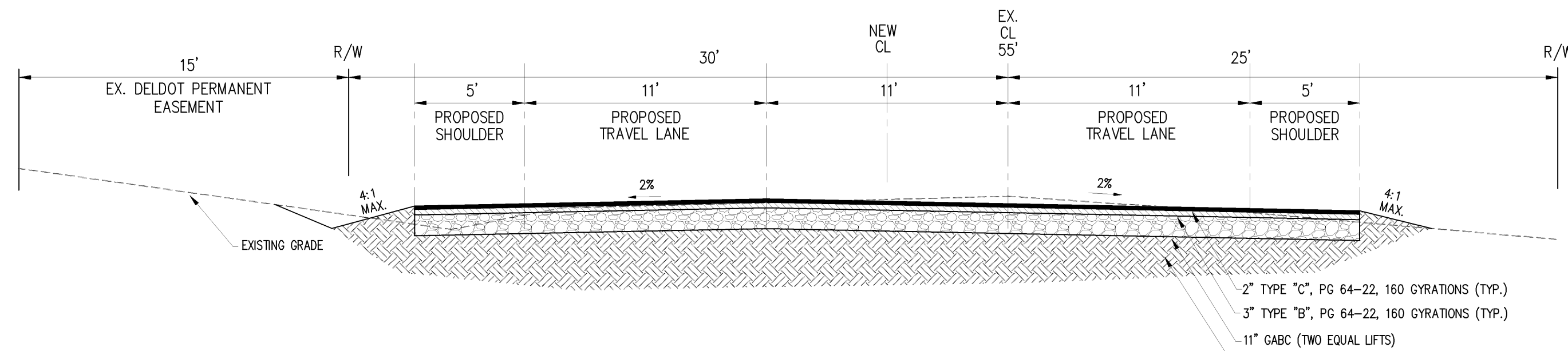
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1"=2' (VERT.)



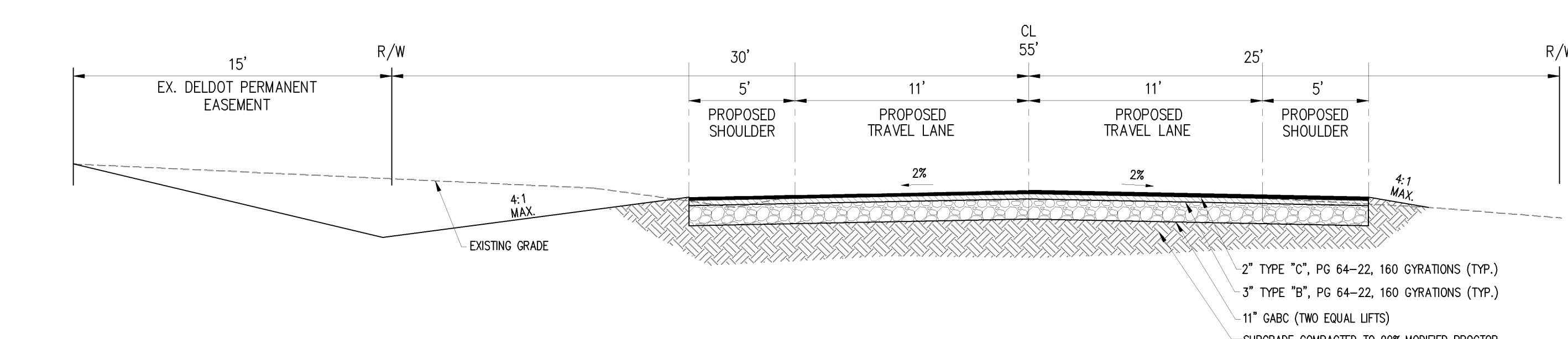
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STA. 1+00



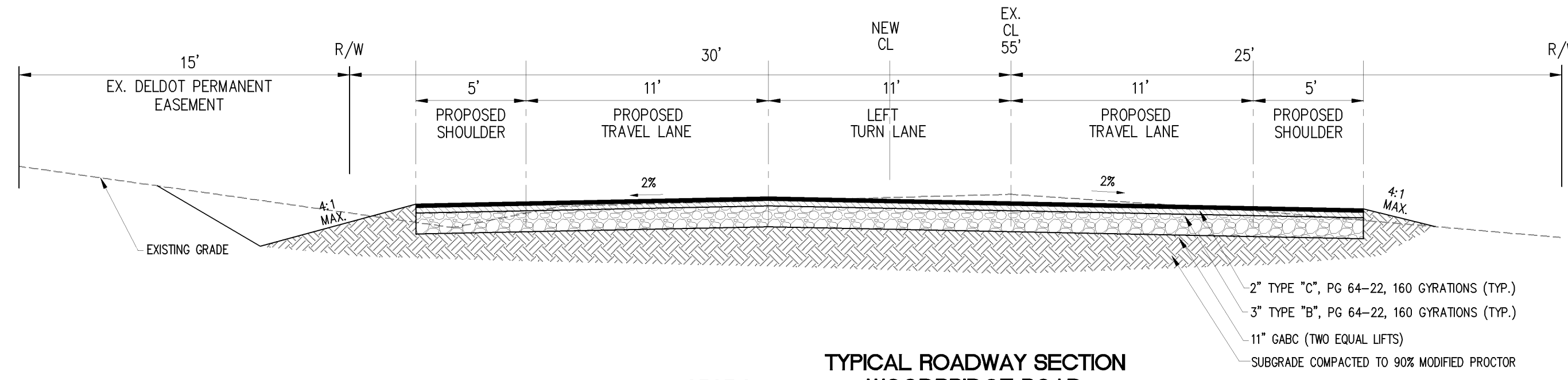
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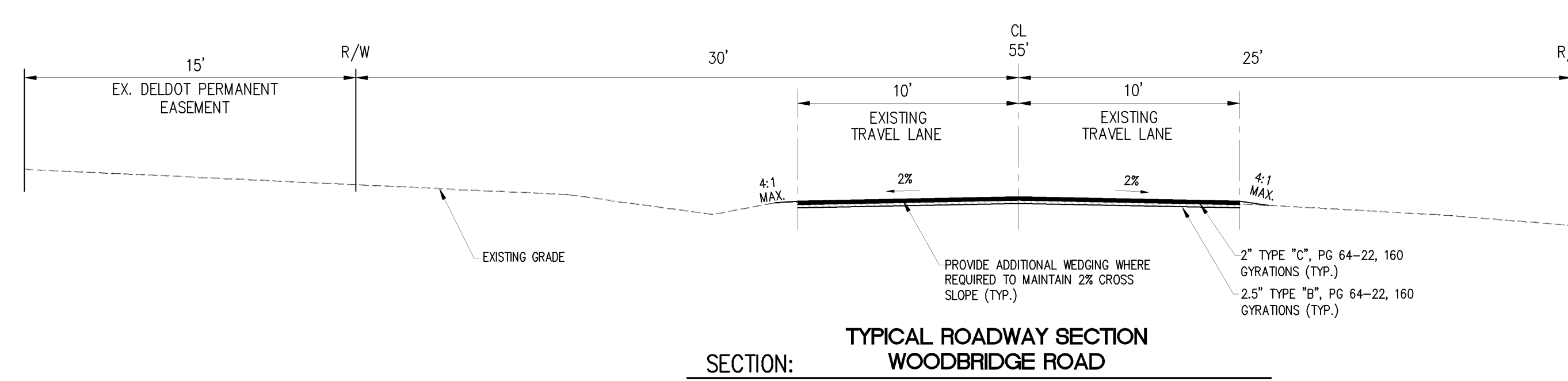
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STA. 4+20



TYPICAL ROADWAY SECTION
SECTION: WOODBRIDGE ROAD
SCALE: 1"=5'
STA. 12+00



TYPICAL ROADWAY SECTION
SECTION: WOODBRIDGE ROAD
SCALE: 1"=5'
STA. 6+50



TYPICAL ROADWAY SECTION
SECTION: WOODBRIDGE ROAD
SCALE: 1"=5'
STA. 20+00

CONSULTANTS:

CDA ENGINEERING INC.
CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
Tel: 302.988.9202 Fax: 302.691.1214 cdaengineering.com

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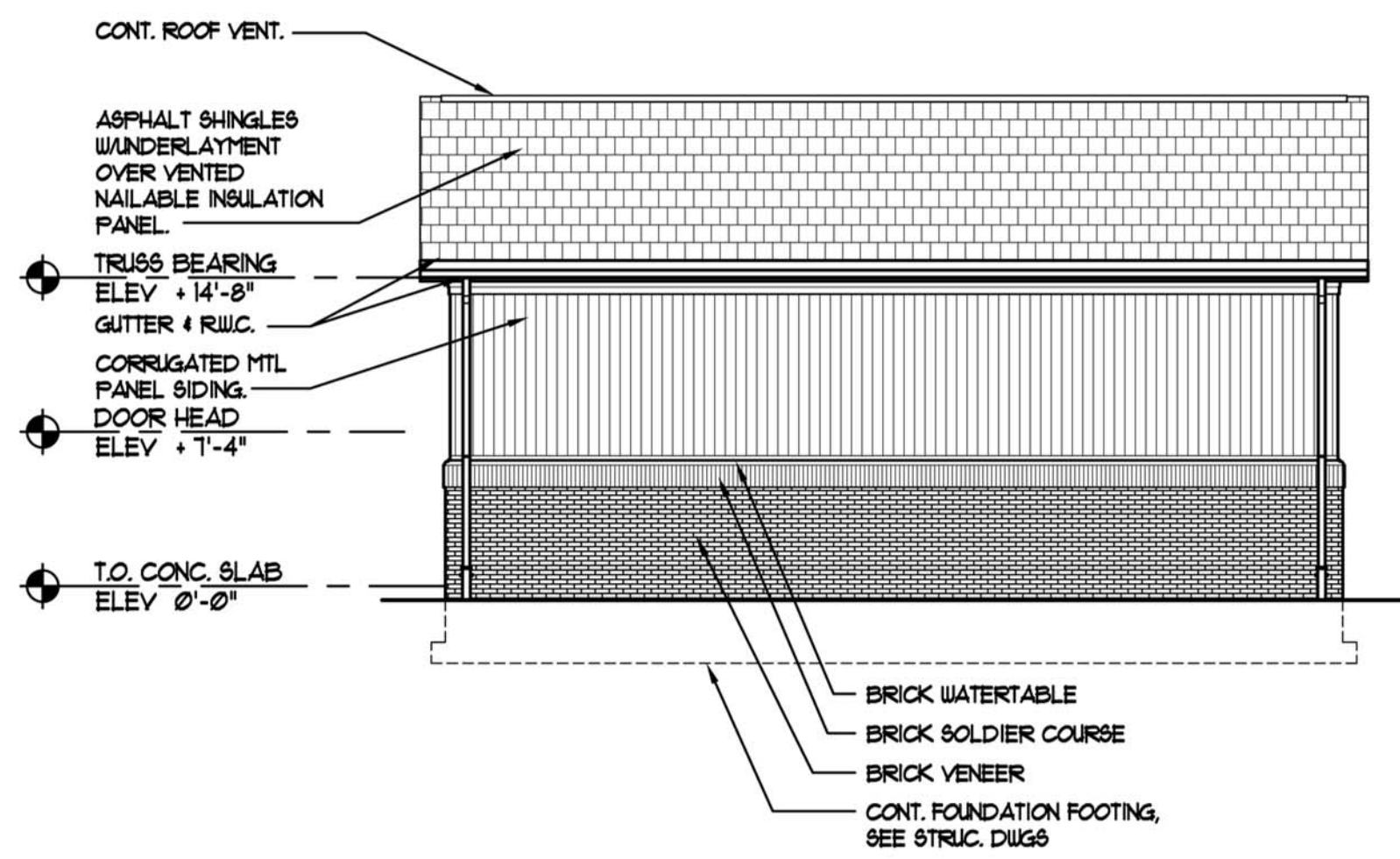
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Fearn Clendaniel Architects INC.
6 Larch Avenue • Suite 399 • Wilmington, Delaware 19804
Ph: 302-698-7615 • Fax: 302-698-7685
www.fearnclendaniel.com

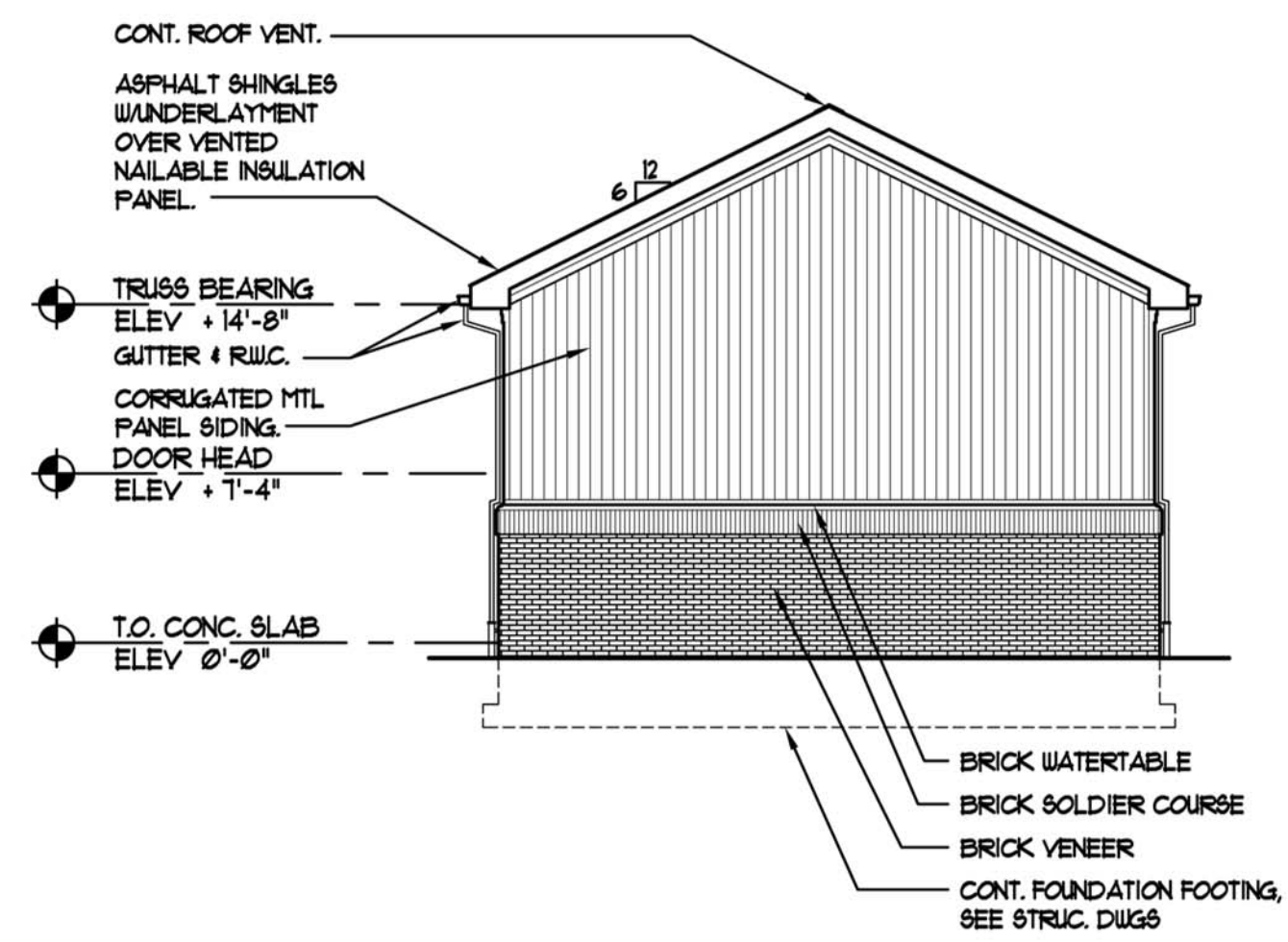
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WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:
CROSS SECTIONS, NOTES & DETAILS

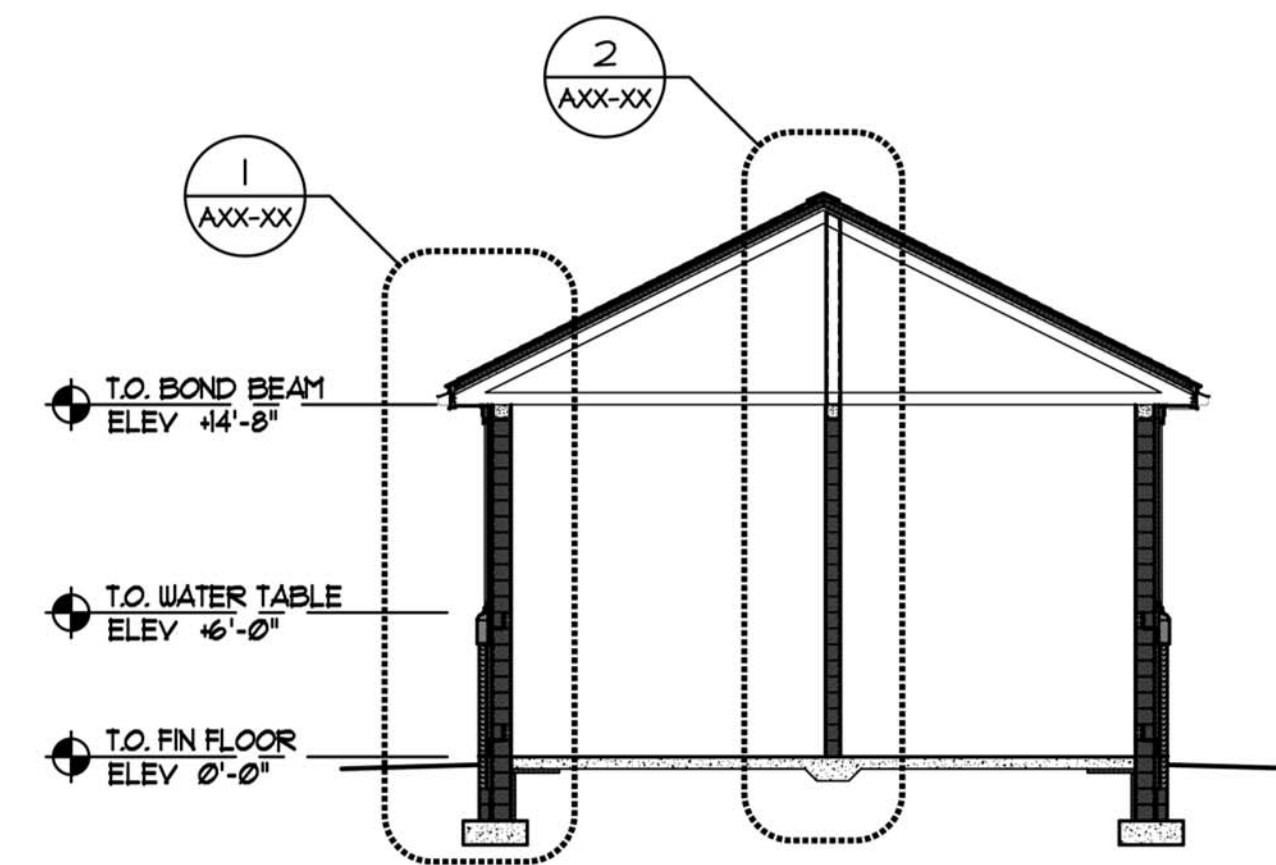
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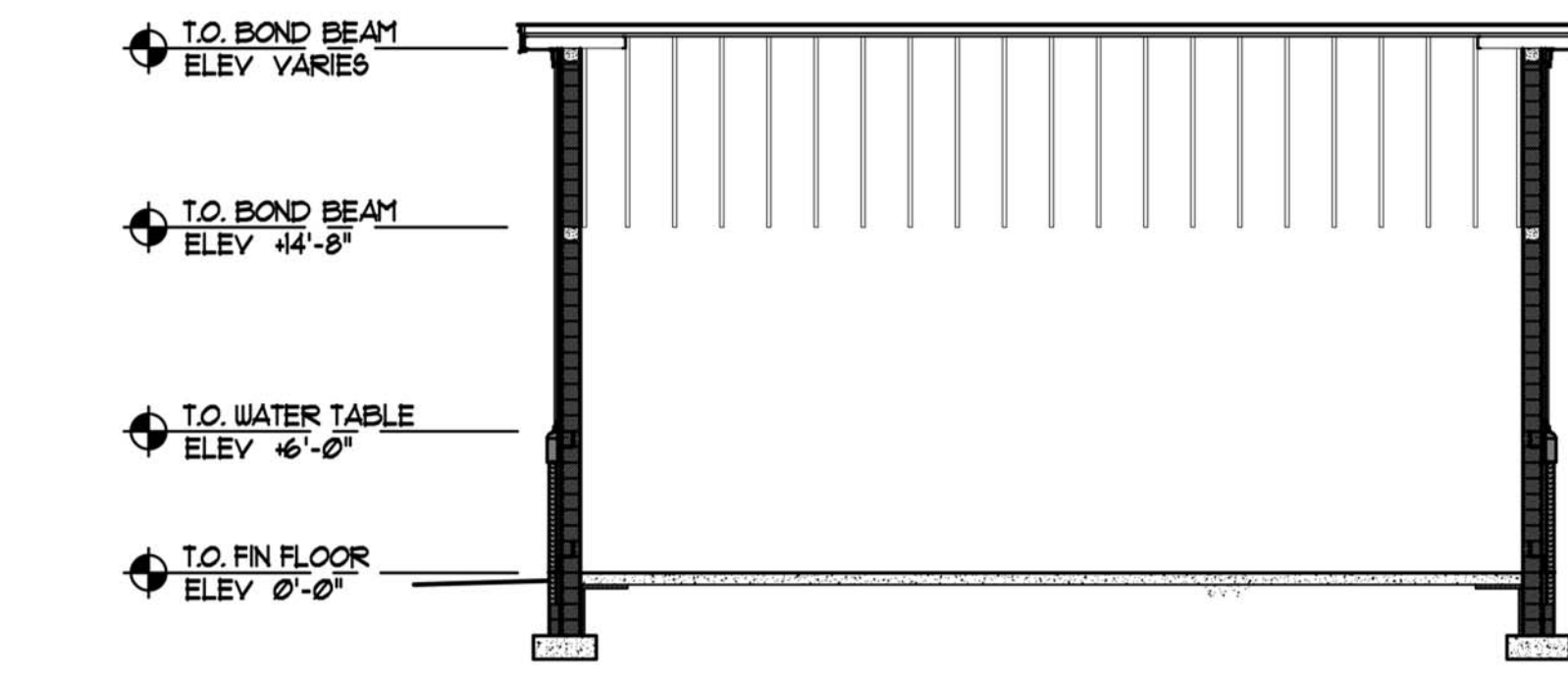
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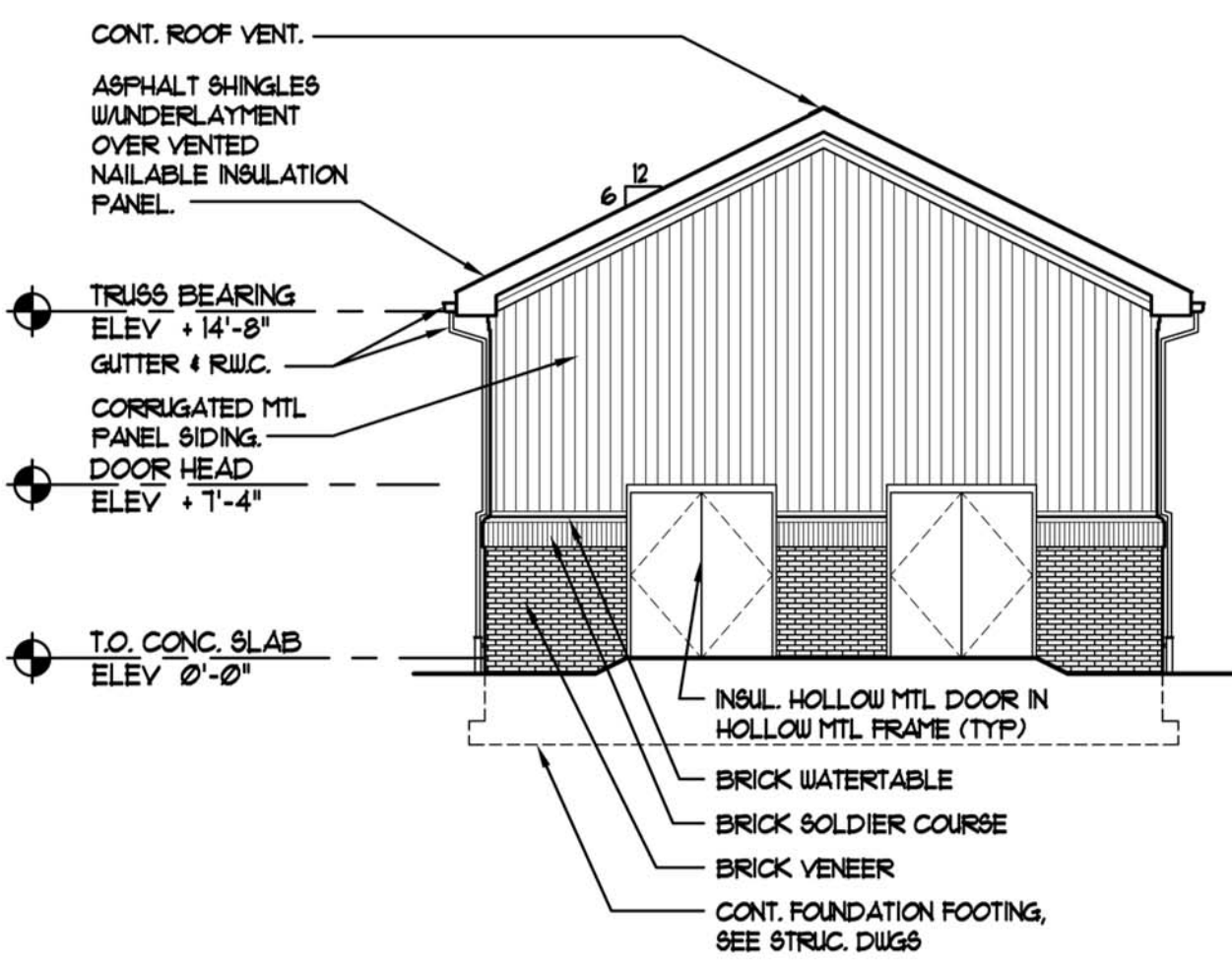
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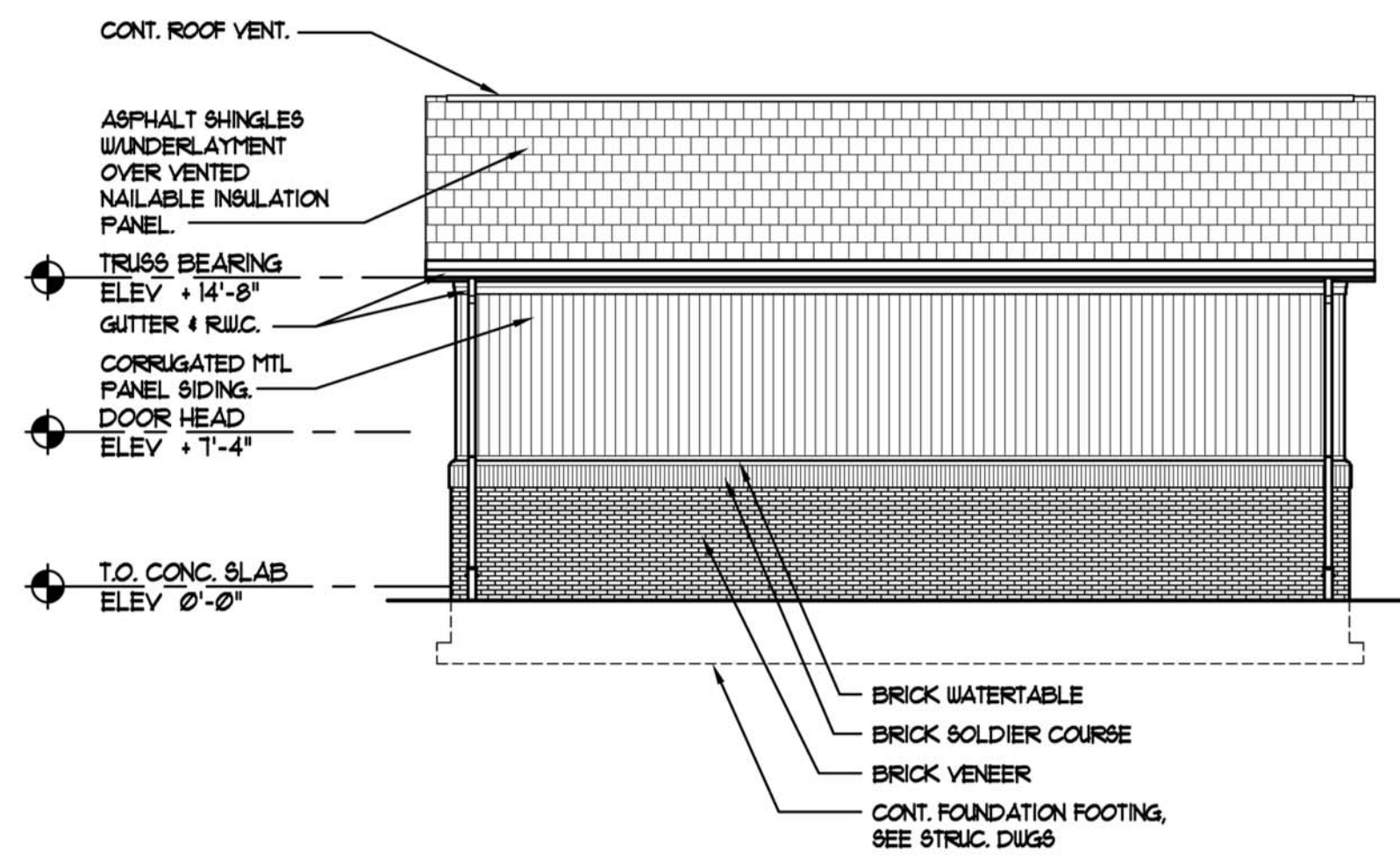
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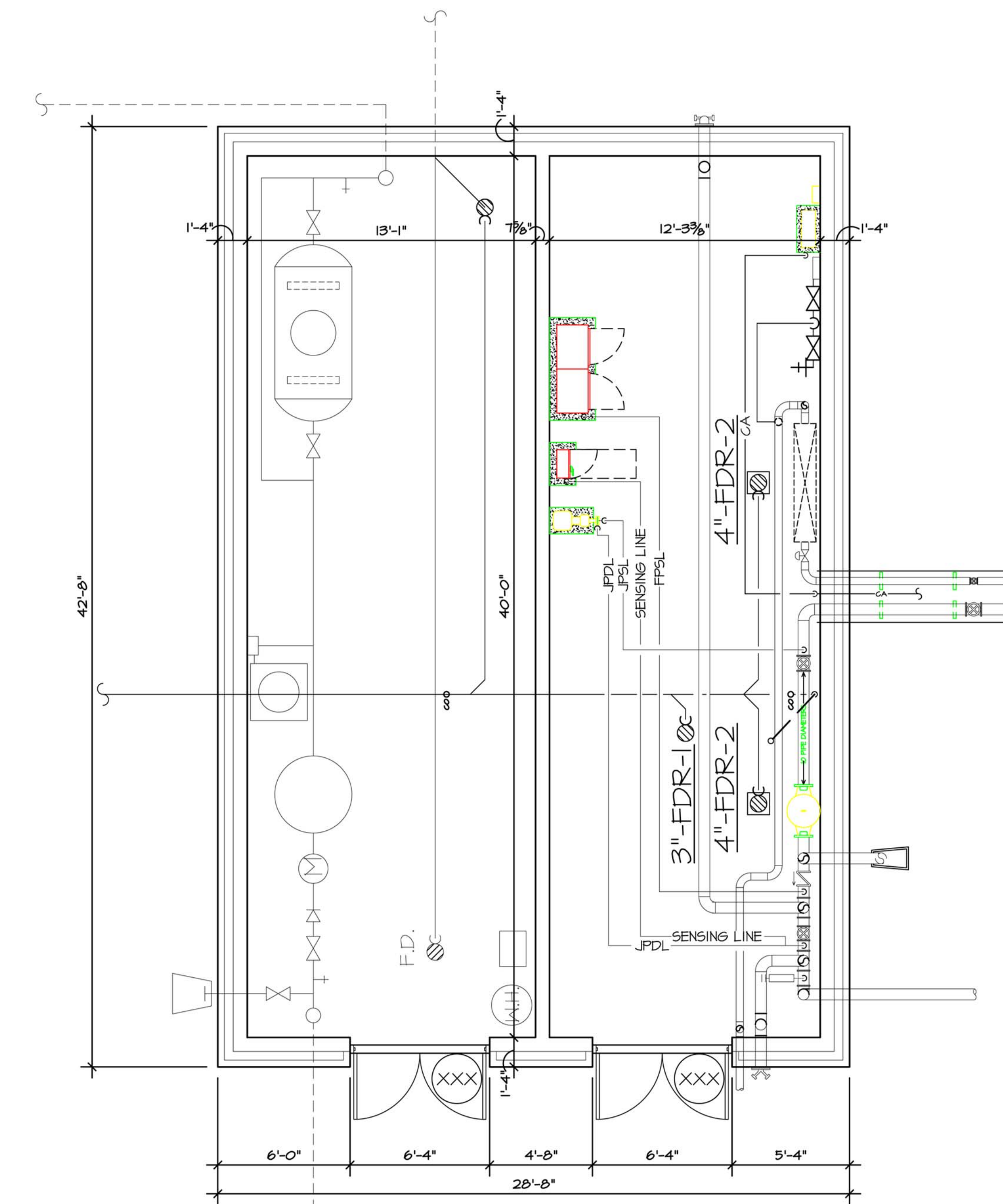
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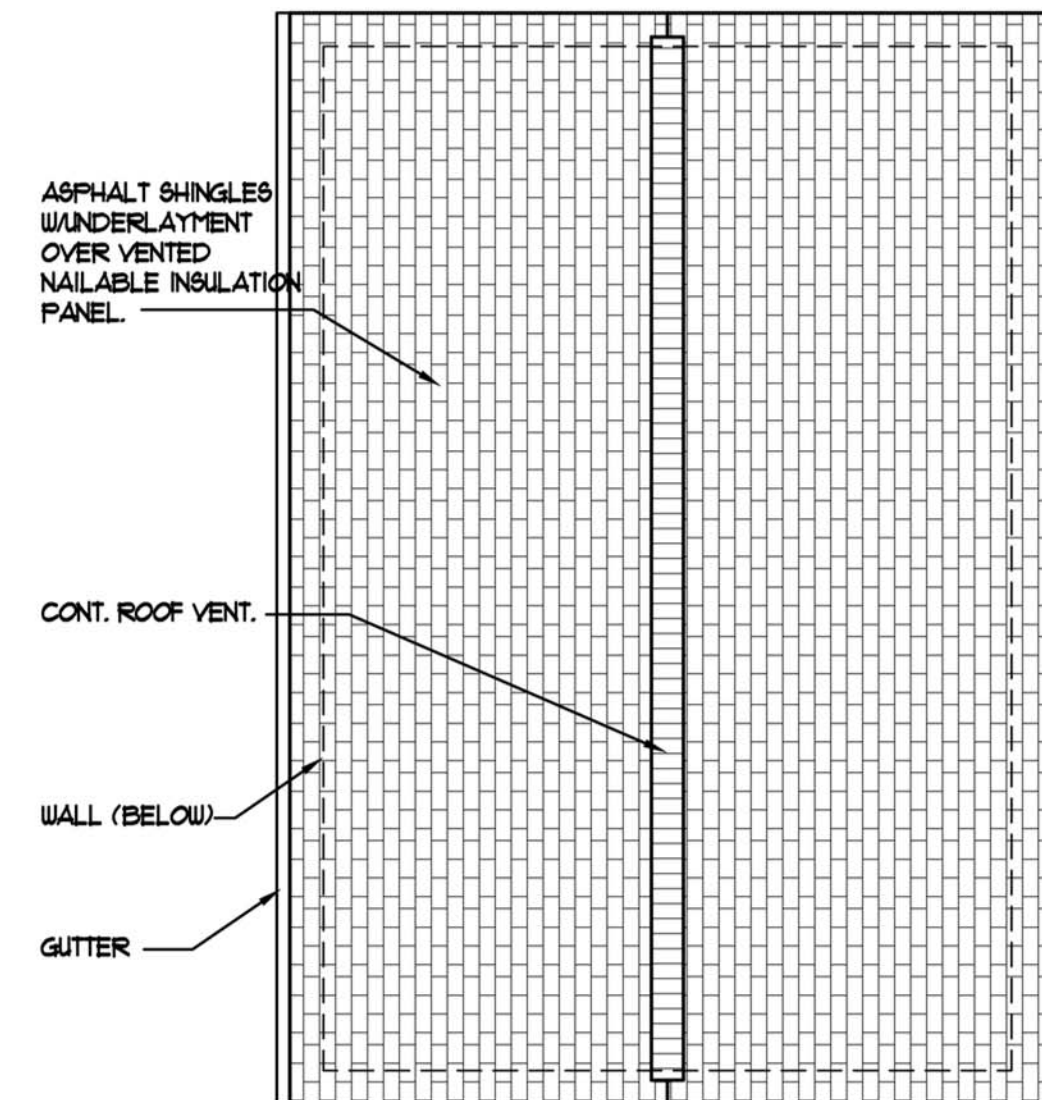
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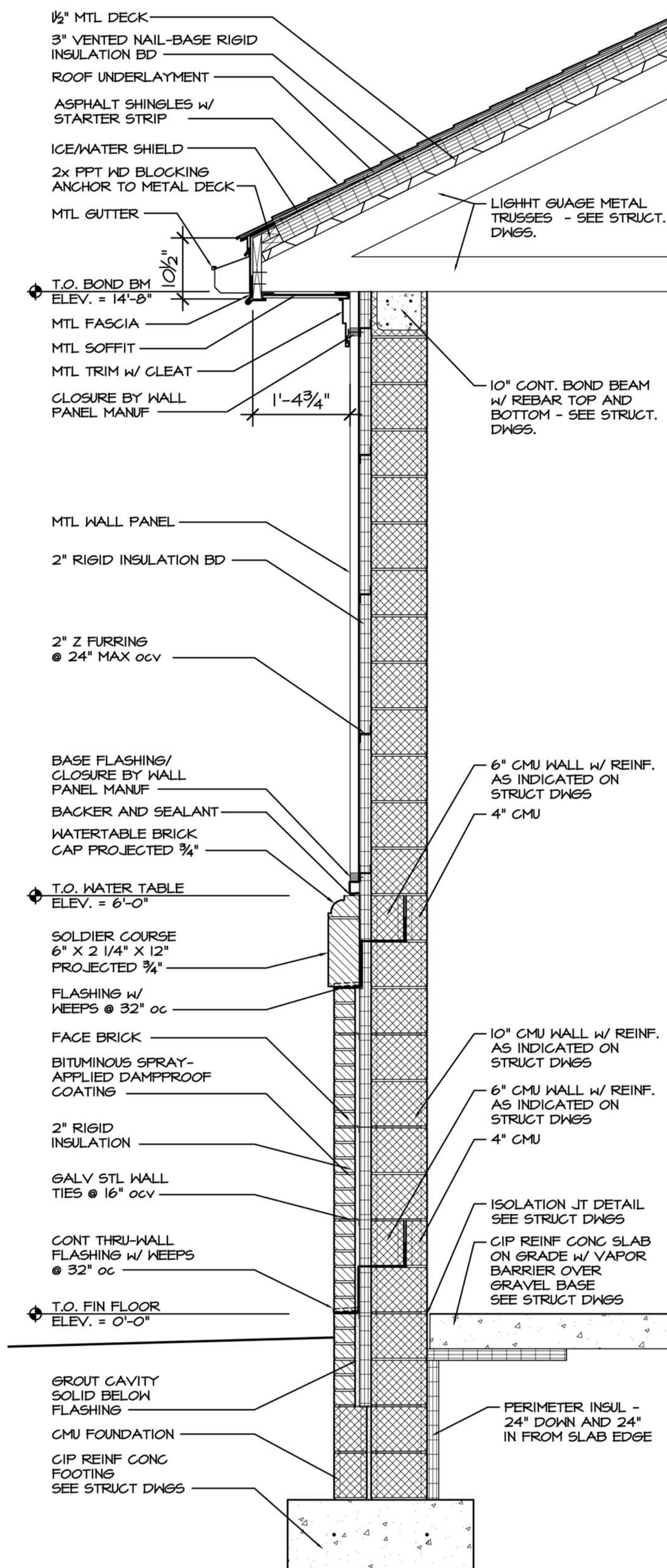
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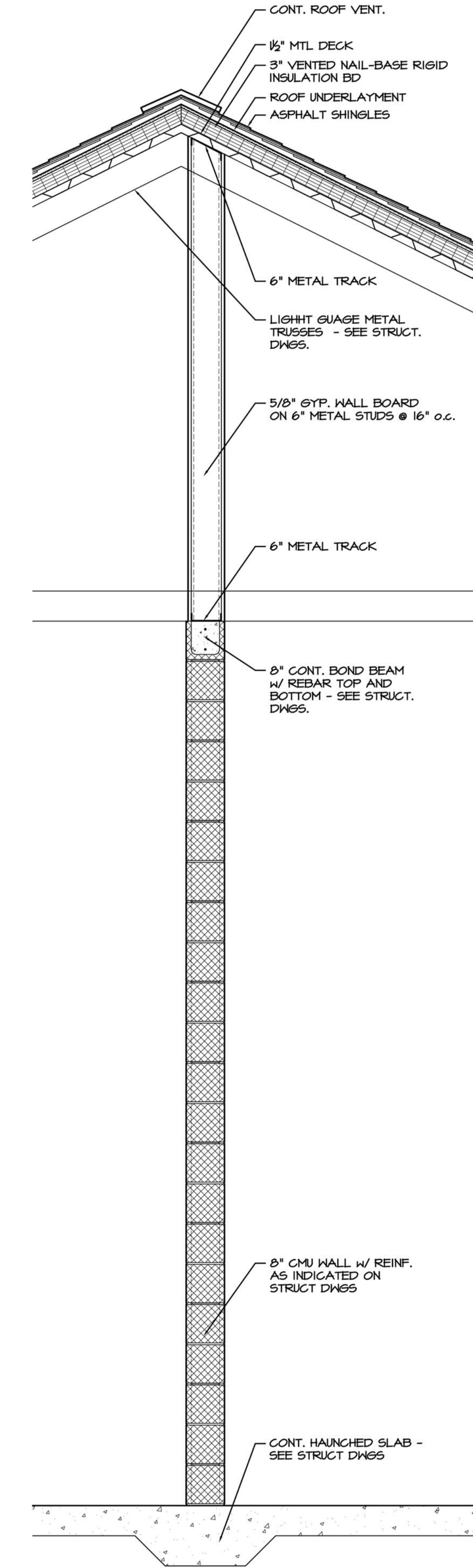
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2 ROOF PLAN
SCALE: 1/8" = 1'-0"



9 WALL SECTION
SCALE: 3/4" = 1'-0"



10 WALL SECTION
SCALE: 3/4" = 1'-0"

CONSULTANTS:

CONSTRUCTION MANAGER
EDIS Company
110 S. POPLAR STREET, SUITE 400
WILMINGTON, DE 19805
P: 302-421-5700 F:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-734-7400 F: 302-734-7592

MECHANICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306

ELECTRICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306

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3	BID PACK 'A'	06-27-12
4	BID PACK 'A' - ISSUED FOR BIDDING	07-03-12
5	ADDENDUM #3	07-23-12

BID PACK 'A' - ARCHITECTURAL DRAWINGS ISSUED FOR STEEL, FOUNDATIONS, & CONCRETE

Fearn Clendaniel Architects, Inc.
6 Larch Avenue Suite 398 Wilmington, Delaware 19804
Ph: 302-998-7615 Fax: 302-998-7685
www.fearnclendaniel.com

PROJECT
WOODBRIDGE SCHOOL DISTRICT
WOODBRIDGE HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

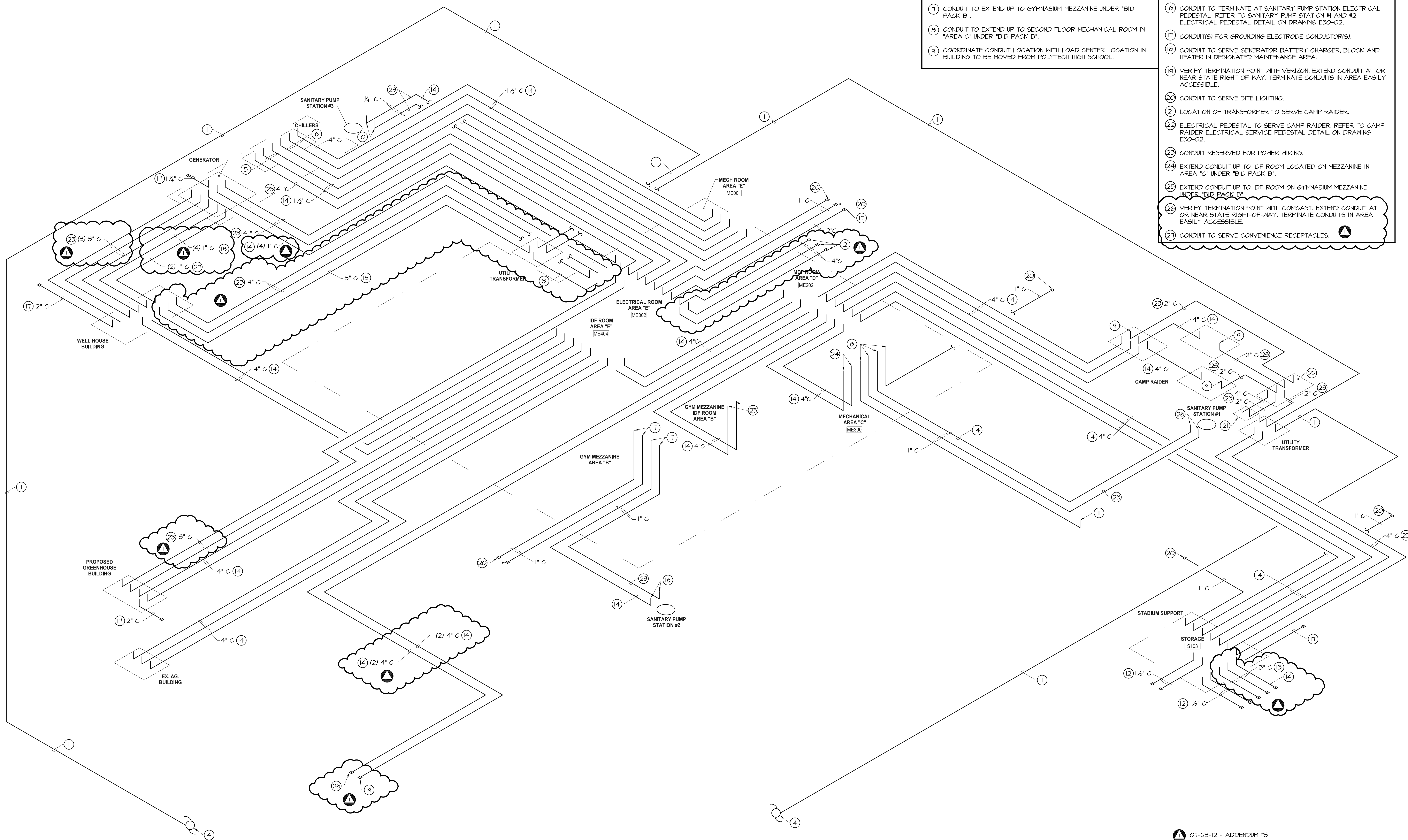
DRAWING TITLE:
WELL PUMP HOUSE
DWN BY: WBC
CHK BY: KBF
PROJ. NUMBER: 11109
DATE: 07-23-2012
DRAWING NUMBER:
AWH10-01
SCALE:

GENERAL NOTES:
(APPLY TO THIS DRAWING ONLY)

1. EXTEND ALL CONDUIT A MINIMUM OF 10' BEYOND SLAB.
2. FURNISH AND INSTALL PULL STRING IN ALL CONDUIT. CAP ALL OPEN ENDS OF CONDUIT TO PROTECT AGAINST WEATHER AND DEBRIS, U.O.N.
3. ALL CONDUITS TO EXTEND ABOVE FINISHED SLAB A MINIMUM OF 6 INCHES.
4. CHECK NOTES FOR MULTIPLE CONDUITS REPRESENTED AS SINGLE LINE.

DRAWING NOTES:
(APPLY TO THIS DRAWING ONLY)

1. INSTALLATION OF MEDIUM VOLTAGE CABLE BY DELAWARE ELECTRIC COOPERATIVE.
2. SPARE CONDUIT.
3. PROVIDE TEN (10) 4" CONDUITS FROM UTILITY TRANSFORMER TO MAIN SWITCHBOARD.
4. UTILITY POLE ADJACENT TO WOODBRIDGE ROAD.
5. CONDUIT TO SERVE CHILLER #1. COORDINATE LOCATION WITH DIVISION 23.
6. CONDUIT TO SERVE CHILLER #2. COORDINATE LOCATION WITH DIVISION 23.
7. CONDUIT TO EXTEND UP TO GYMNASIUM MEZZANINE UNDER 'BID PACK B'.
8. CONDUIT TO EXTEND UP TO SECOND FLOOR MECHANICAL ROOM IN 'AREA C' UNDER 'BID PACK B'.
9. COORDINATE CONDUIT LOCATION WITH LOAD CENTER LOCATION IN BUILDING TO BE MOVED FROM POLYTECH HIGH SCHOOL.
10. CONDUIT TO SERVE GENERAL RECEPTACLE AND CIRCUIT FOR GENERATOR BLOCK HEATER. REFER TO SANITARY PUMP STATION #3 ELECTRICAL PEDESTAL DETAIL ON DRAWING E30-02.
11. STUB UP AT SITE LIGHTING. LOCATE EXISTING CONDUIT INSTALLED BETWEEN ISLANDS. VERIFY EXISTING CONDUIT IS USABLE.
12. CONDUIT TO SERVE STADIUM FIELD LIGHTING.
13. CONDUIT TO SERVE EXISTING MAINTENANCE BUILDING.
14. CONDUIT(S) FOR COMMUNICATION/DATA/AUDIO/VIDEO/CONTROL SIGNAL CABLING.
15. CONDUIT TO SERVE FIRE PUMP CONTROLLER.
16. CONDUIT TO TERMINATE AT SANITARY PUMP STATION ELECTRICAL PEDESTAL. REFER TO SANITARY PUMP STATION #1 AND #2 ELECTRICAL PEDESTAL DETAIL ON DRAWING E30-02.
17. CONDUIT(S) FOR GROUNDING ELECTRODE CONDUCTOR(S).
18. CONDUIT TO SERVE GENERATOR BATTERY CHARGER, BLOCK AND HEATER IN DESIGNATED MAINTENANCE AREA.
19. VERIFY TERMINATION POINT WITH VERIZON. EXTEND CONDUIT AT OR NEAR STATE RIGHT-OF-WAY. TERMINATE CONDUITS IN AREA EASILY ACCESSIBLE.
20. CONDUIT TO SERVE SITE LIGHTING.
21. LOCATION OF TRANSFORMER TO SERVE CAMP RAIDER.
22. ELECTRICAL PEDESTAL TO SERVE CAMP RAIDER. REFER TO CAMP RAIDER ELECTRICAL SERVICE PEDESTAL DETAIL ON DRAWING E30-02.
23. CONDUIT RESERVED FOR POWER WIRING.
24. EXTEND CONDUIT UP TO IDF ROOM LOCATED ON MEZZANINE IN AREA 'C' UNDER 'BID PACK B'.
25. EXTEND CONDUIT UP TO IDF ROOM ON GYMNASIUM MEZZANINE UNDER 'BID PACK B'.
26. VERIFY TERMINATION POINT WITH COMCAST. EXTEND CONDUIT AT OR NEAR STATE RIGHT-OF-WAY. TERMINATE CONDUITS IN AREA EASILY ACCESSIBLE.
27. CONDUIT TO SERVE CONVENIENCE RECEPTACLES.



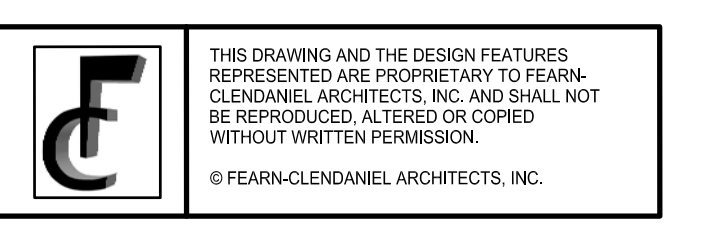
CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-734-7400 F: 302-734-7592

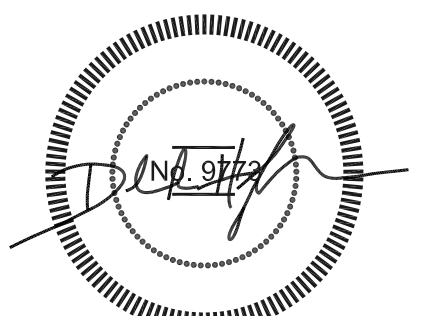
MECHANICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306
W.O.# 11156

ELECTRICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306



ISSUE DATES:

1. PROGRESS SET (NOT FOR CONSTRUCTION)	06-04-12
2. BID PACK A (90% SUBMISSION)	06-14-12
3. BID PACK A (NOT FOR CONSTRUCTION)	06-27-12
4. BID PACK A (ISSUED FOR BID)	07-03-12
5. BID PACK A (ISSUED FOR BIDDING)	07-03-12



Gipe Associates, Inc.
Consulting Engineers
8719 Brooks Drive
Easton, Maryland 21601
Ph: 410.822.8688
Fax: 410.822.6306
W.O.# 11156

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Architects
Inc.
6 Larch Avenue, Suite 398 Wilmington, Delaware 19804
Ph. 302-998-7615 Fax. 302-998-7685
www.fearnclendaniel.com

PROJECT

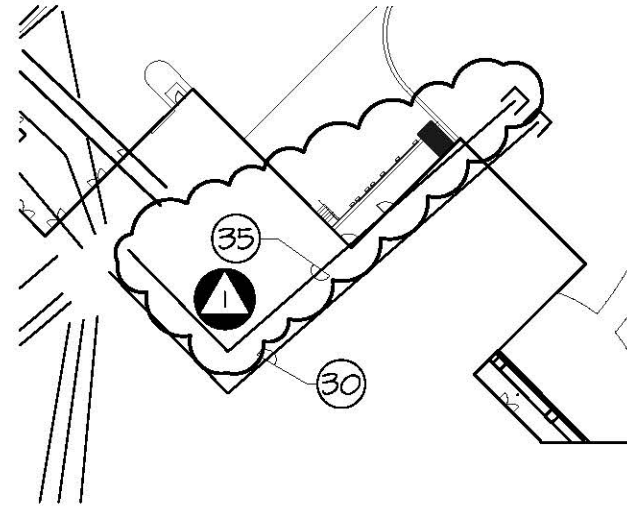
WOODBRIDGE SCHOOL DISTRICT
WOODBRIDGE HIGH SCHOOL
Woodbridge Road

DRAWING TITLE:
CONDUIT RISER DIAGRAM
ELECTRICAL

DWN BY: CLJ	CHK BY: CDH	PROJ. NUMBER: 11156
DATE: 07-03-12	DRAWING NUMBER: E50-01	
SCALE: NO SCALE		

OT-23-12 - ADDENDUM #3

ADD CONDUIT FROM ELECTRICAL ROOM ME002 TO WELL HOUSE.
ADD CONDUIT FROM MDF TO STATE RIGHT-OF-WAY FOR COMCAST.
ADD CONDUIT FROM STADIUM SUPPORT BUILDING TO SERVE EXISTING MAINTENANCE BUILDING.
ADD SPARE CONDUIT FROM ELECTRICAL ROOM ME002 TO EXTERIOR OF BUILDING.
CHANGE CONDUIT SIZE FROM ELECTRICAL ROOM ME002 TO PROPOSED GREENHOUSE BUILDING.
CHANGE CONDUIT SIZE SERVING FIRE PUMP.
CHANGE CONDUIT SIZE SERVING GENERAL POWER, BLOCK HEATER, ALTERNATE STRIP HEATER, AND BATTERY CHARGER IN GENERATOR AREA.



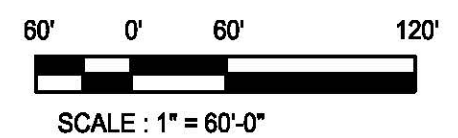
(35) SPARE CONDUITS.

1 SITE PLAN - ELECTRICAL - NEW WORK
 1" = 60'-0"

ADD SPARE CONDUITS FROM ELECTRICAL ROOM TO EXTERIOR OF BUILDING AS INDICATED. REFER TO DRAWING E50-01 FOR CONDUIT SIZES AND QUANTITIES.

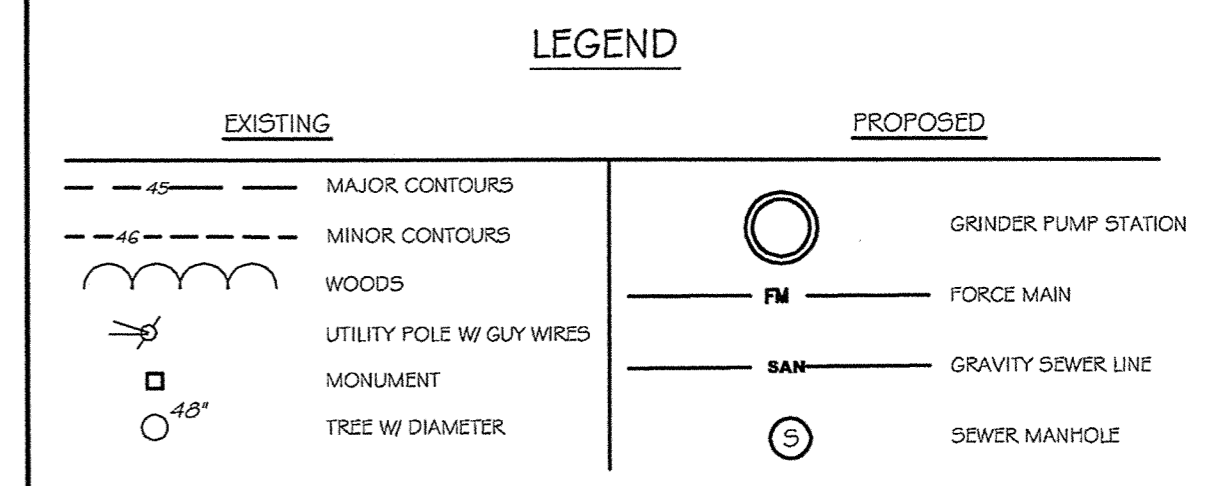
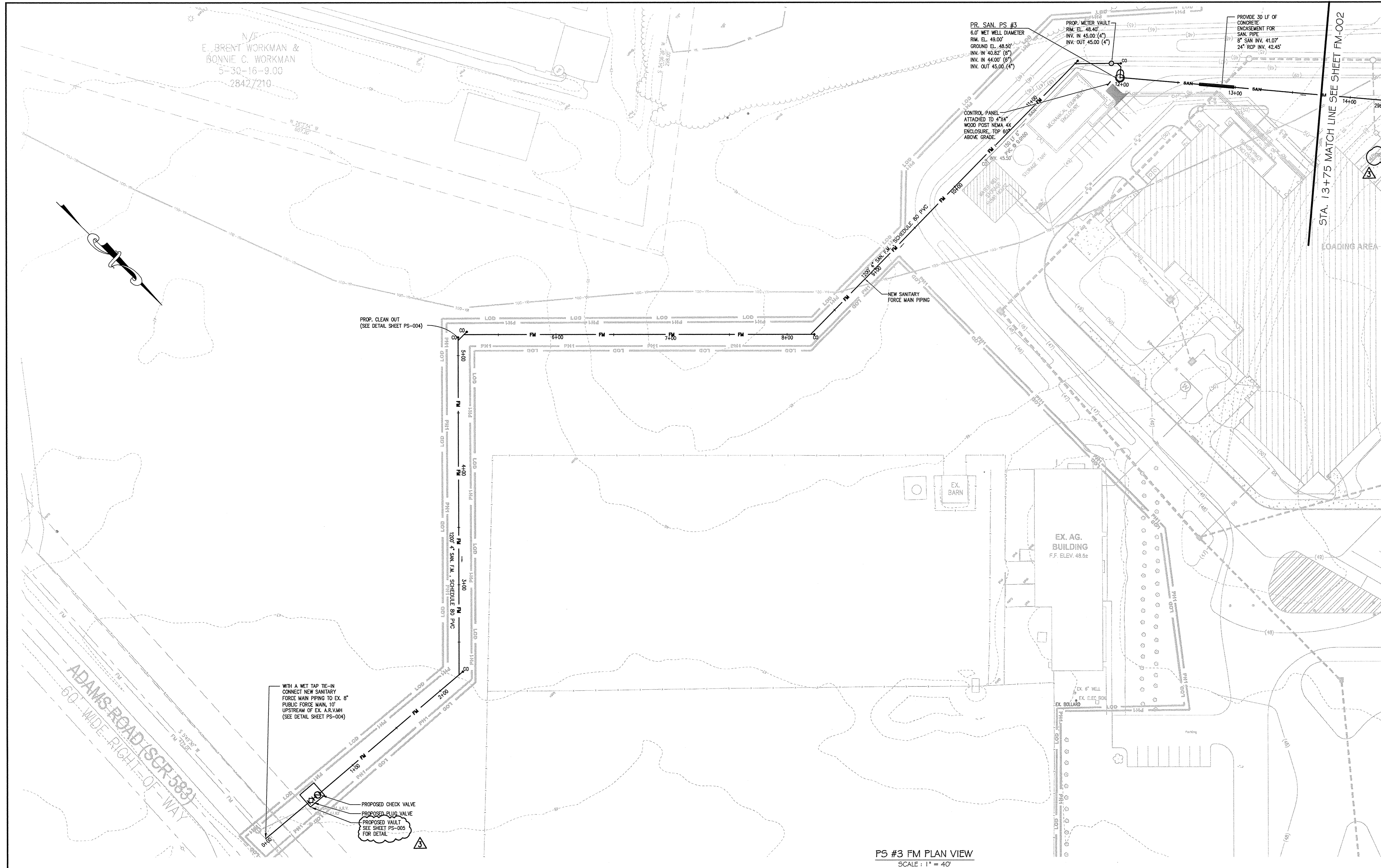
Gipe Associates, Inc.
 Consulting Engineers
 8719 Brooks Drive
 Easton, Maryland 21601
 Ph. 410.822.8688
 Fax 410.822.6306
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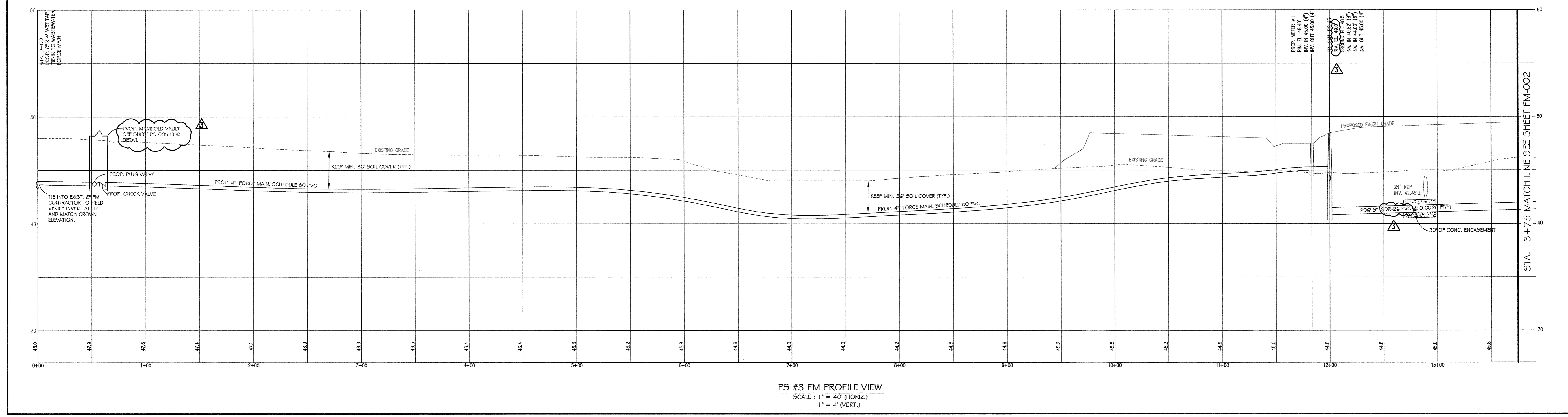
Fearn Clendaniel
Architects
 INC.
 6 Larch Avenue Suite 398 • Wilmington, Delaware 19804
 Ph. 302-998-7615 • Fax. 302-998-7685

PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO. E-SK-01 Addendum No.3
SCALE: AS NOTED	PROJ.NO.: 11109	DATE: 07-23-12



- NOTES:**
1. THE PURPOSE OF THIS PLAN IS TO INSTALL THE SANITARY SEWER PIPING SYSTEMS FROM THE THREE ONSITE PUMP STATIONS TO THEIR DESIGNATED TIE-INS.
 2. PROPOSED FORCE MAIN SHALL HAVE AT LEAST 36° OF COVER.
 3. MATCH CROWN ELEVATIONS WHEN A SMALLER SEWER JOINS A LARGER ONE.
 4. MINIMUM SEPARATION BETWEEN SEWER AND WATER MAINS: 10 FEET HORIZONTAL AND 18 INCHES VERTICAL, FROM OUTSIDE EDGE TO OUTSIDE EDGE.
 5. ONLY ENOUGH TRENCH SHALL BE EXCAVATED WHICH CAN BE BACKFILLED DAILY.
 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF ALL EXCAVATED/DERIVED MATERIAL NOT USED IN THE PROJECT CONSTRUCTION AT AN APPROVED UPLAND DISPOSAL SITE HAVING AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL INSTALLED UTILITIES UNTIL THE COMPLETION OF CONSTRUCTION.
 8. PRESSURE TEST FORCE MAIN PIPE PRIOR TO USE PER CONSTRUCTION SPECIFICATIONS.
 9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORM WATER REGULATIONS, AND DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.
 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY OWNER UPON COMPLETION OF CONSTRUCTION. AS-BUILT PLANS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE MUST BE SUBMITTED BEFORE ACCEPTANCE.

PS #3 FM PLAN VIEW
SCALE: 1" = 40'



PS #3 FM PROFILE VIEW
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)

CONSULTANTS:

KCI TECHNOLOGIES, INC.
CONSULTANTS

CDA ENGINEERING INC.
CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
Tel: 302.998.9232 Fax: 302.691.1316 cdaengineering.com

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ISSUE DATES:

ISSUED FOR PLUS REVIEW	12-29-11
BID PACK - A	6-27-12
ISSUED FOR BID, BID PACK - A	7-3-12
ADDENDUM #3	7-23-12
ADDRESSING DNR/EC COMMENTS	7-23-12



Fearn Clendaniel Architects
INC.
6 Larch Avenue • Suite 308 • Wilmington, Delaware 19804
Ph. 302.998.7615 • Fax. 302.998.7695
www.fearnclendn.com

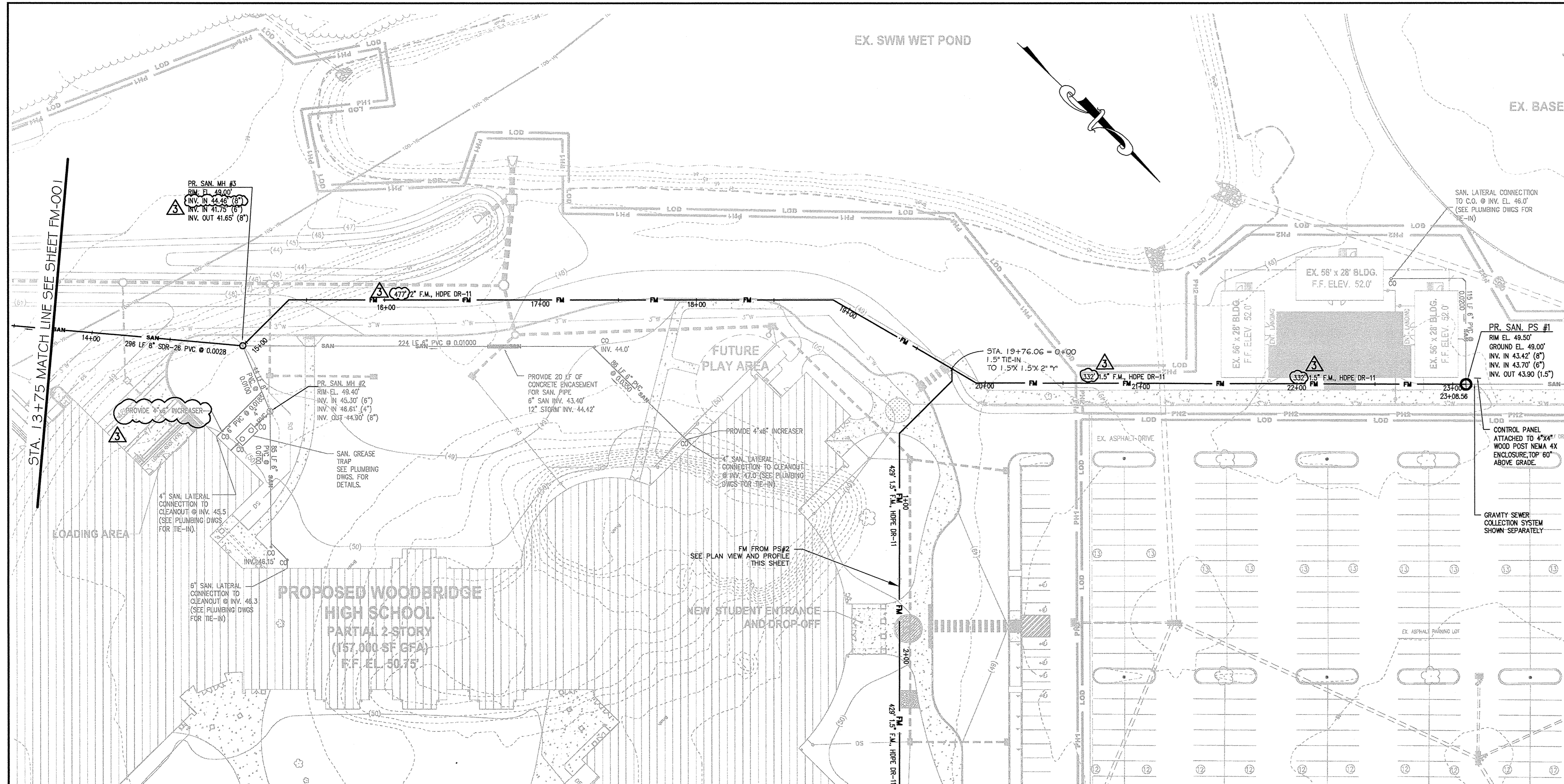
PROJECT:

**WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL**

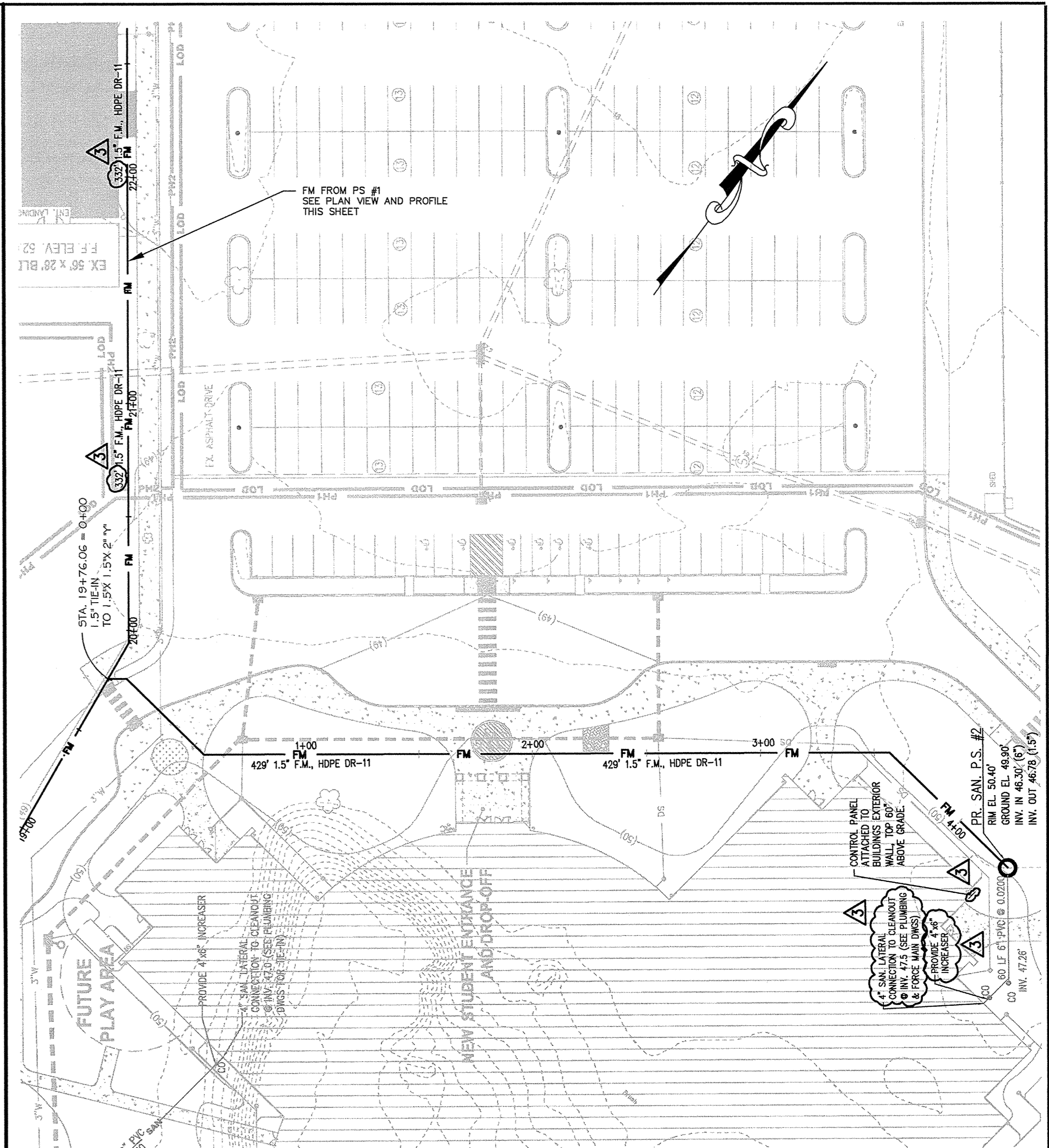
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:
FORCE MAIN PLAN AND PROFILE

OWN. BY: JRG	CHK. BY: LL	PROJECT NUMBER: 11109
DATE: 7-23-12	DRAWING NUMBER: FM-001	
SCALE: AS SHOWN		



PS #1 FM PLAN VIEW
SCALE: 1" = 40'



PS #2 FM PLAN VIEW
SCALE: 1" = 40'

CONSULTANTS:

KCI TECHNOLOGIES, INC.
1200 MARSH RD. - SUITE 300 - NEWARK, DELAWARE 19711
PHONE: (302) 327-8700 FAX: (302) 731-7607 WWW.KCI.COM

CDA ENGINEERING INC.
CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
TEL: 302.998.0202 FAX: 302.998.1314 CDENGINEERING.COM

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ISSUE DATES:

ISSUED FOR PLUS REVIEW	12.29.11
BID PACK - A	6-27-12
ISSUED FOR BID, BID PACK - A	7-3-12
ADDENDUM #3	7-23-12
ADDRESSING DNREC COMMENTS	7-23-12

PROJECT:

WOODBRIDGE SCHOOL DISTRICT

NEW HIGH SCHOOL

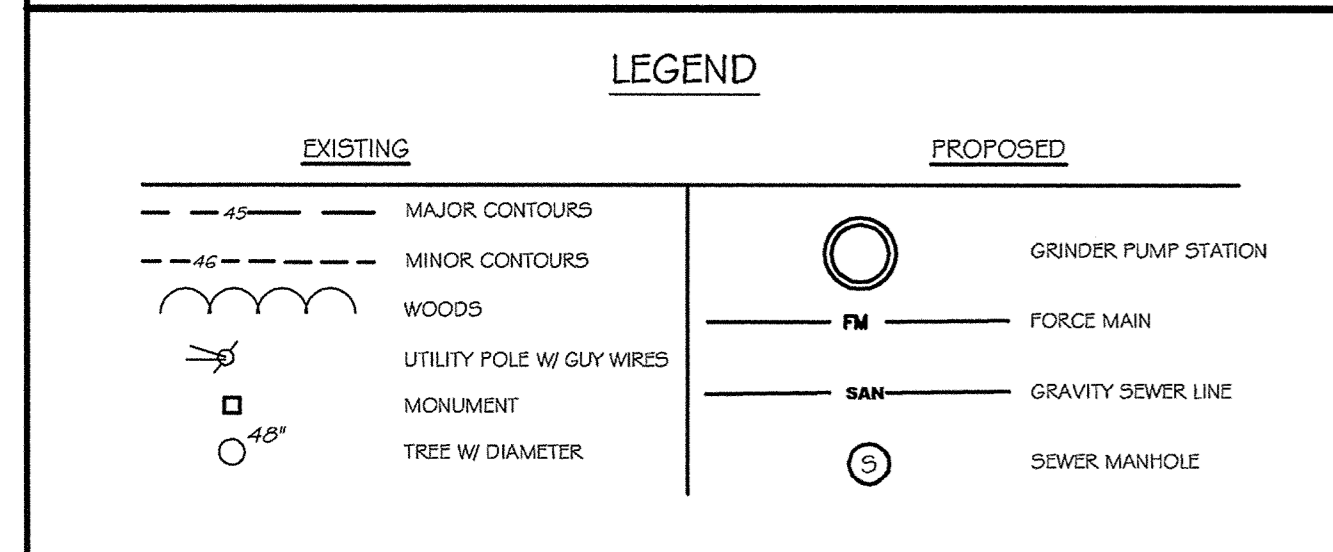
Woodbridge Road
SUSSEX COUNTY, DE

Fearn-Clendaniel Architects
6 Larch Avenue Suite 350 - Wilmington, Delaware 19804
Ph. 302-998-7615 • Fax. 302-998-7695
www.fcarchitects.net

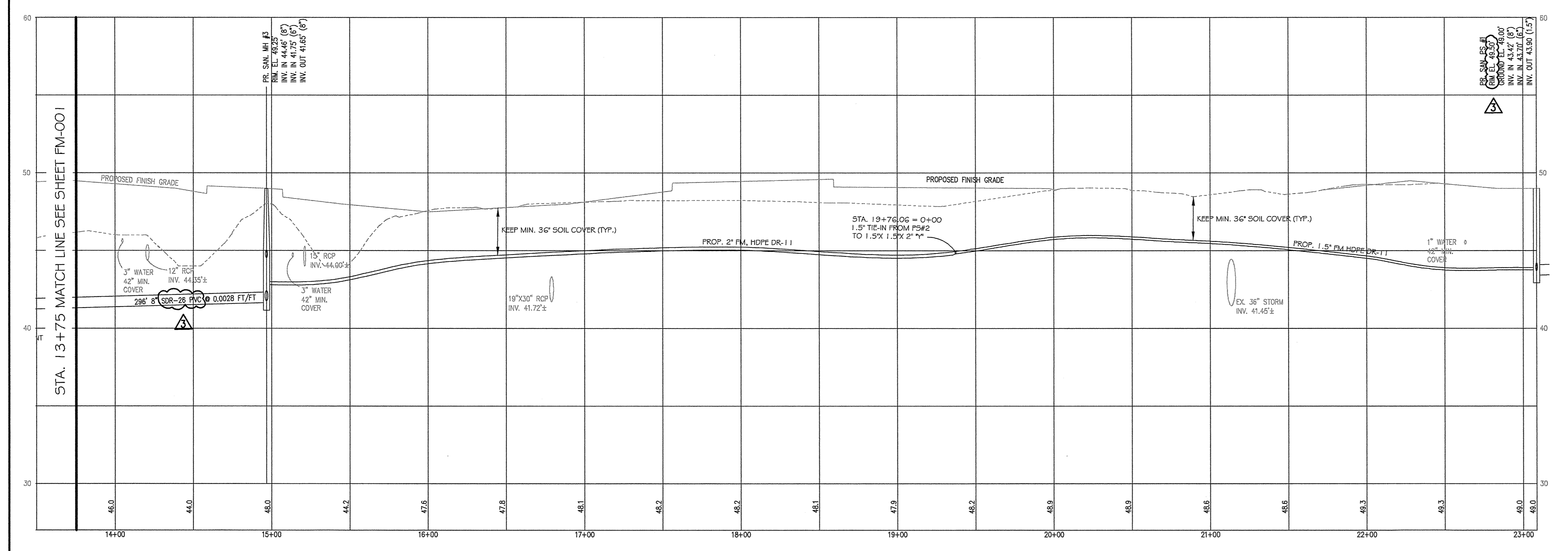
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FORCE MAIN PLAN AND PROFILE

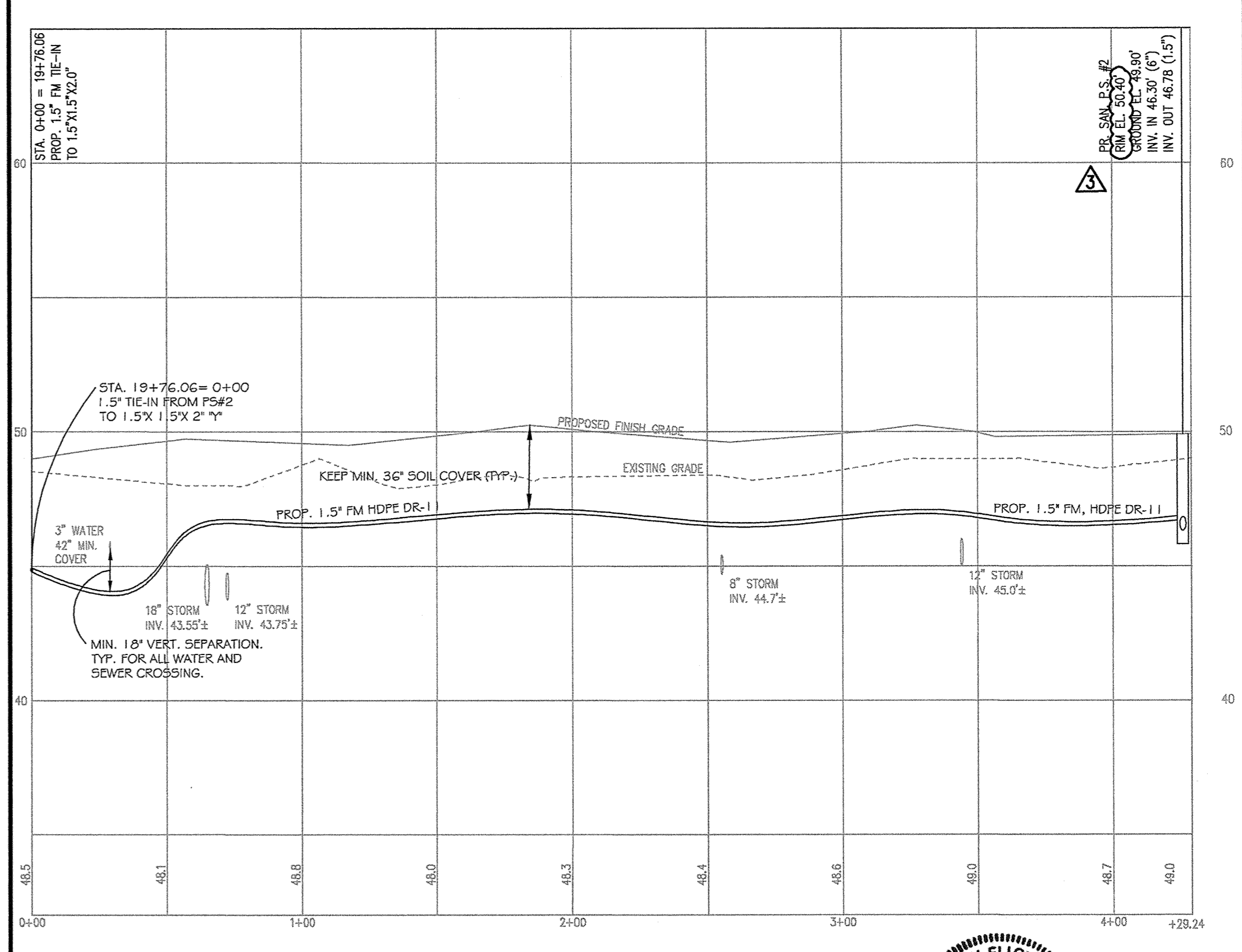
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DATE: 7-23-12	DRAWING NUMBER: FM-002	
SCALE: AS SHOWN		



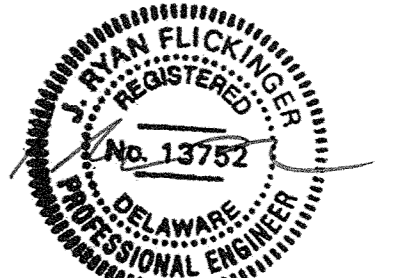
- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO INSTALL THE SANITARY SEWER PIPING SYSTEMS FROM THE THREE ONSITE PUMP STATIONS TO THEIR DESIGNATED TIE-INS.
 - PROPOSED FORCE MAIN SHALL HAVE AT LEAST 36" OF COVER.
 - MATCH CROWN ELEVATIONS WHEN A SMALLER SEWER JOINS A LARGER ONE.
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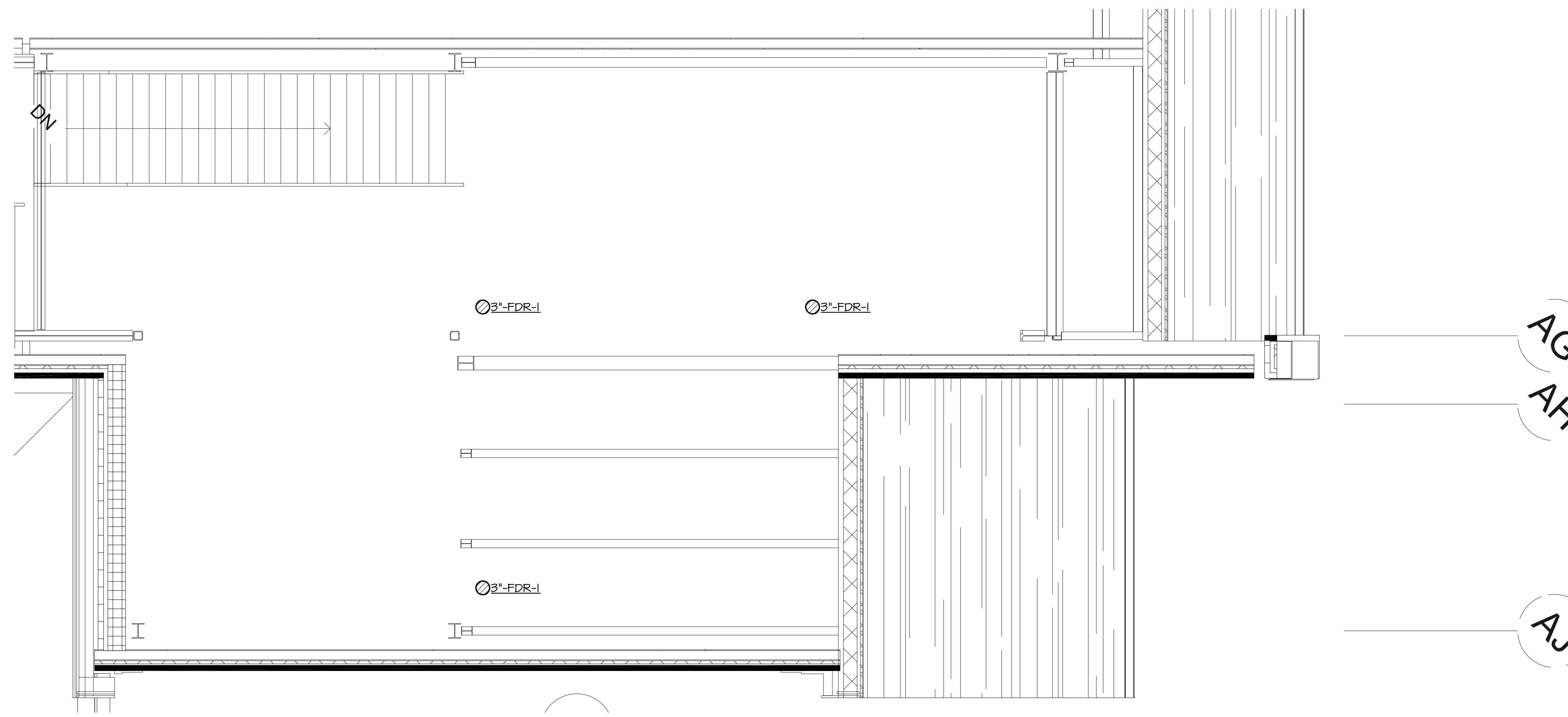


PS #1 FM PROFILE VIEW
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)

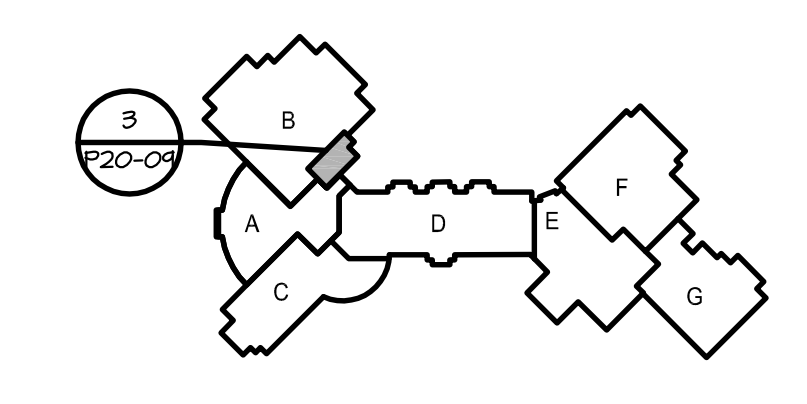
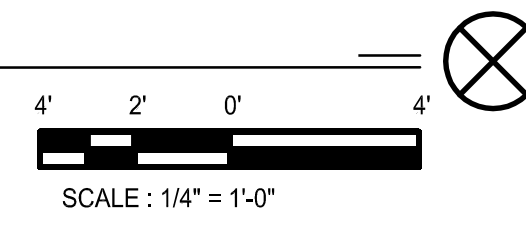


PS #2 FM PROFILE VIEW
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)





3 PART PLAN - PLUMBING - SANITARY
1/4" = 1'-0"



KEYPLAN

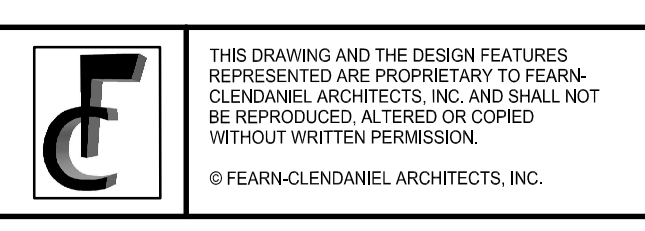
CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-734-7000 F: 302-734-7592

MECHANICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306
WO# 11156

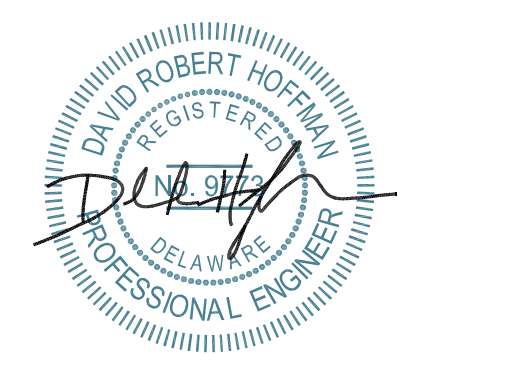
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8719 BROOKS DRIVE
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ISSUE DATES:

1. PROGRESS SET (NOT FOR CONSTRUCTION)	06-04-12
2. BID PACK A (90% SUBMISSION)	06-14-12
3. BID PACK A (NOT FOR CONSTRUCTION)	06-27-12
4. BID PACK A (ISSUED FOR BID)	07-03-12
5. BID PACK A (ISSUED FOR BIDDING)	07-03-12
6. ADDENDUM #3	07-23-12



Gipe Associates, Inc.
Consulting Engineers
8719 Brooks Drive
Easton, Maryland 21601
Ph: 410.822.8688
Fax: 410.822.6306
W.O.# 11156

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www.fearnclendaniel.com

PROJECT

WOODBRIDGE SCHOOL DISTRICT
WOODBRIDGE HIGH SCHOOL
Woodbridge Road

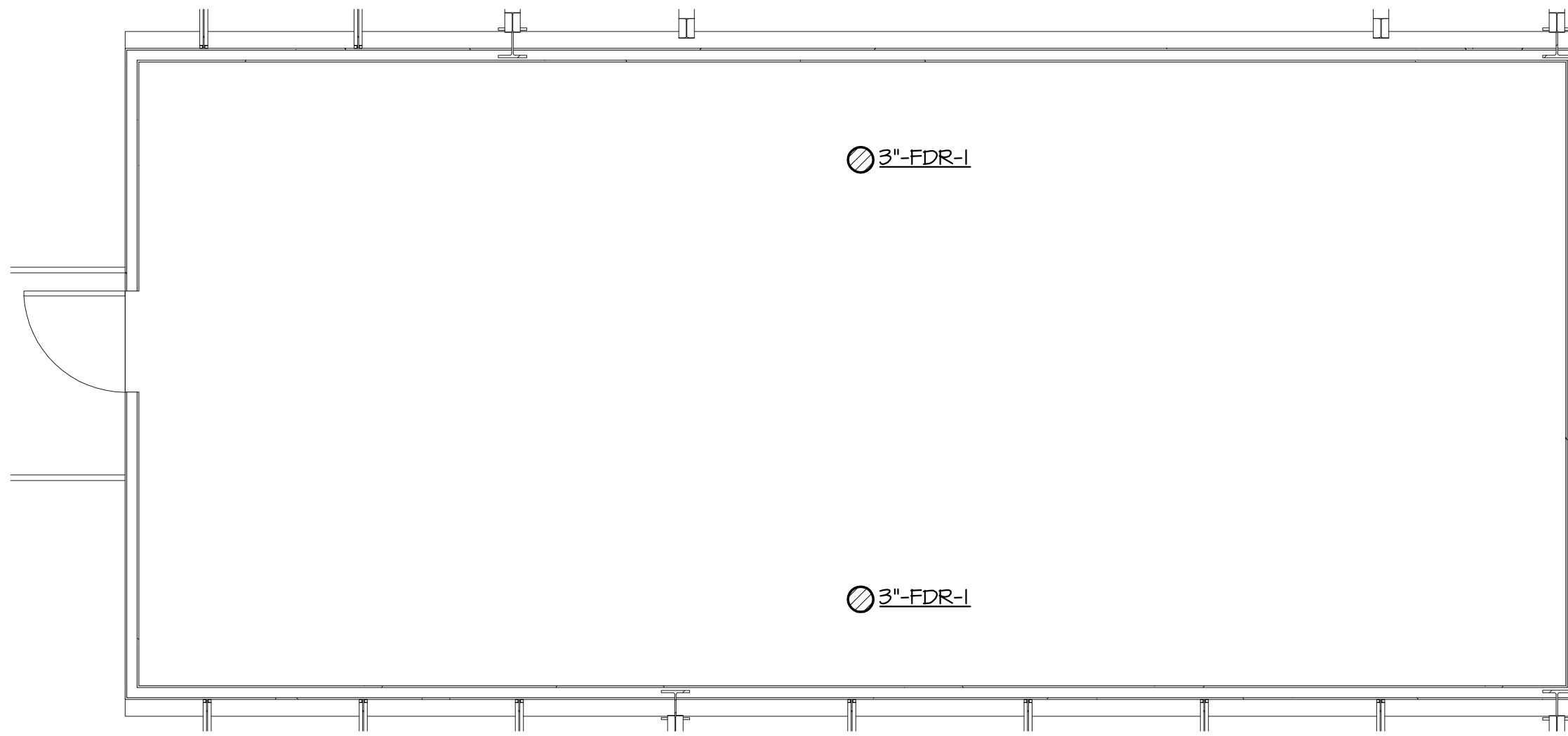
DRAWING TITLE:

PART PLANS
PLUMBING

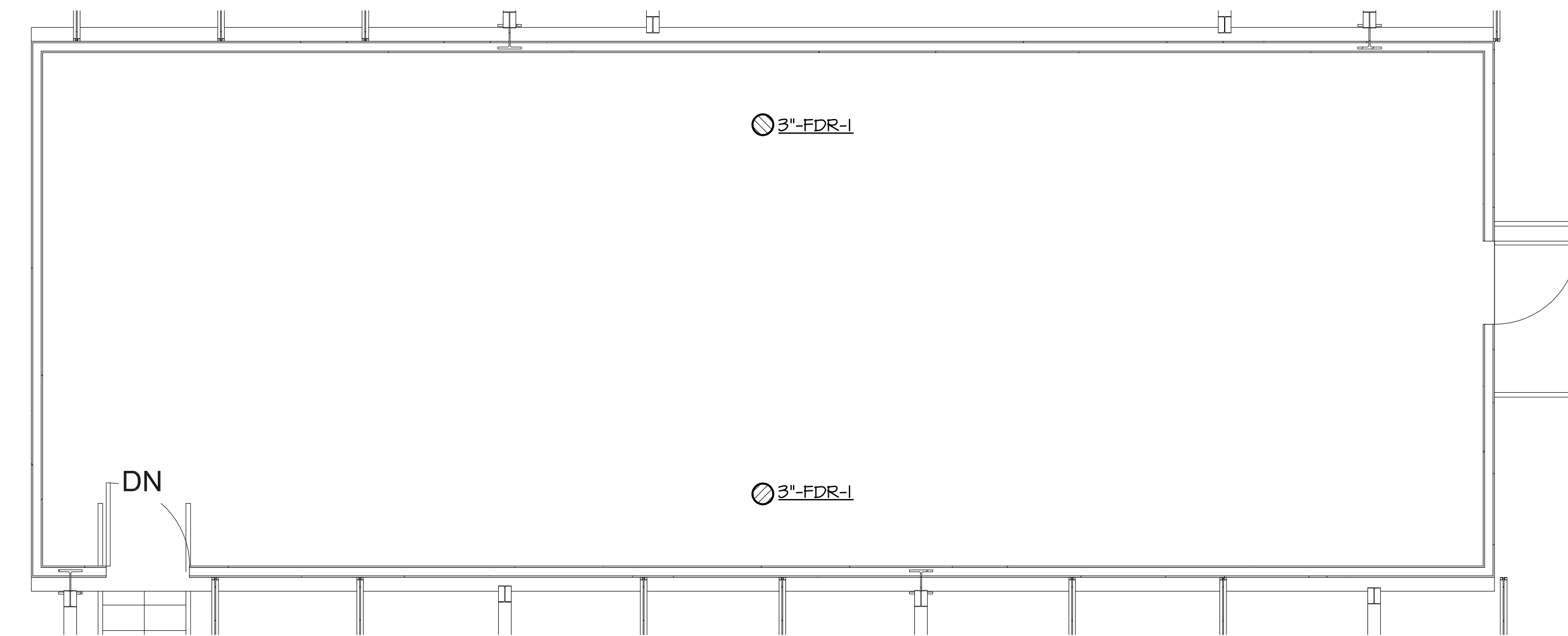
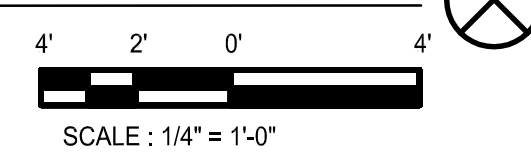
DWN BY: KGG
CHK BY: DRH
PROJ. NUMBER: 11156

DATE: 07-03-12
DRAWING NUMBER: P20-06

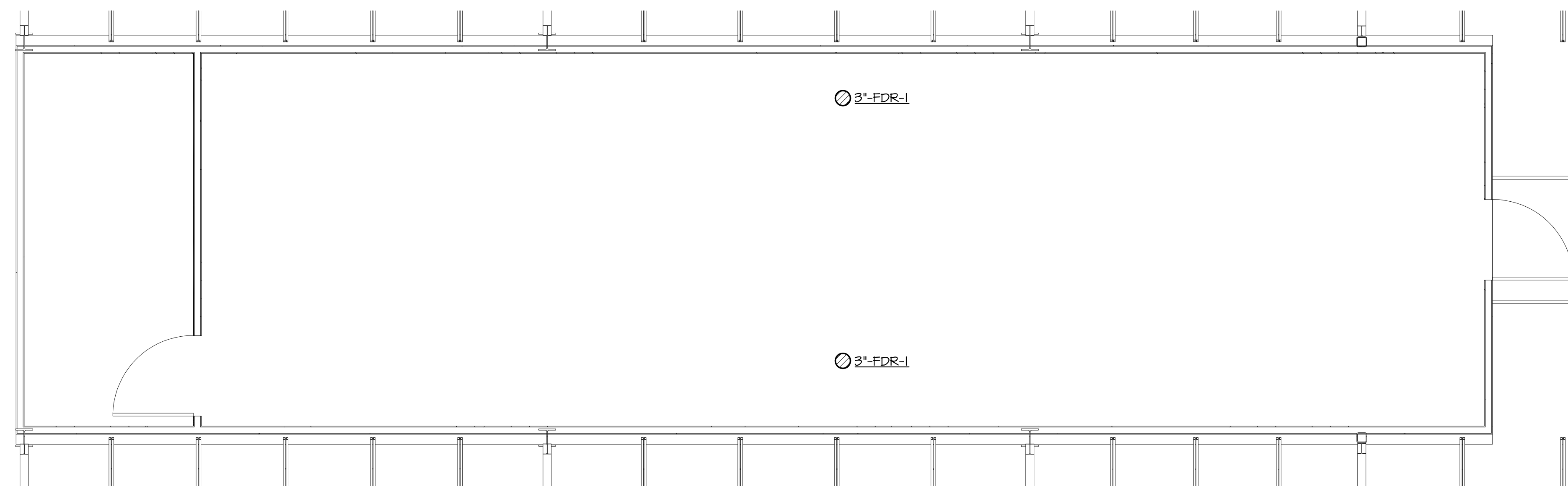
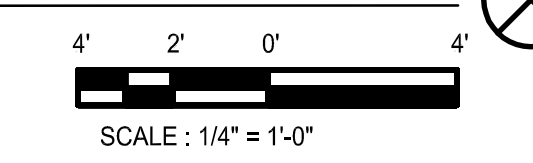
SCALE: 1/4" = 1'-0"



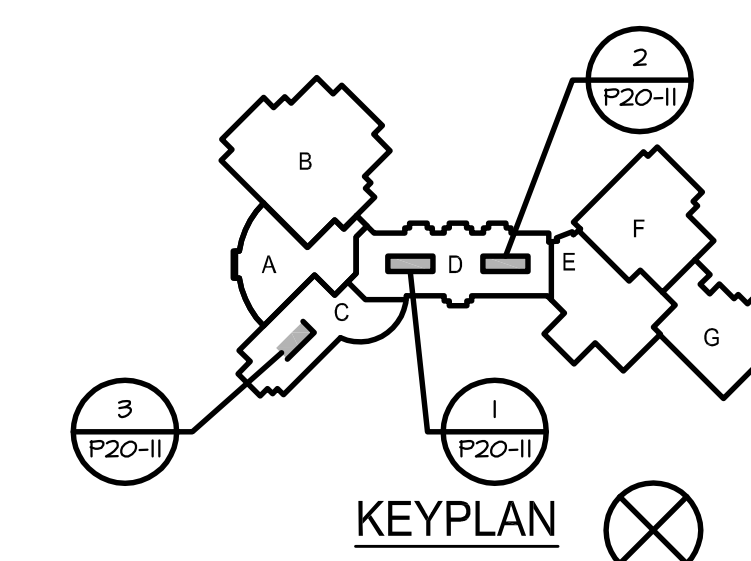
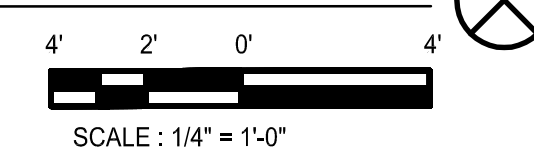
1 PART PLAN - PLUMBING - SANITARY
1/4" = 1'-0"



2 PART PLAN - PLUMBING - SANITARY
1/4" = 1'-0"



3 PART PLAN - PLUMBING - SANITARY
1/4" = 1'-0"



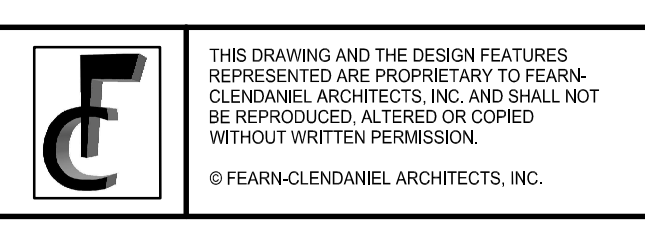
CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-734-7600 F: 302-734-7592

MECHANICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306
WO# 11156

ELECTRICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306



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4. BID PACK A (ISSUED FOR BID)	07-03-12
5. BID PACK A (ISSUED FOR BIDDING)	07-03-12
6. ADDENDUM #3	07-23-12

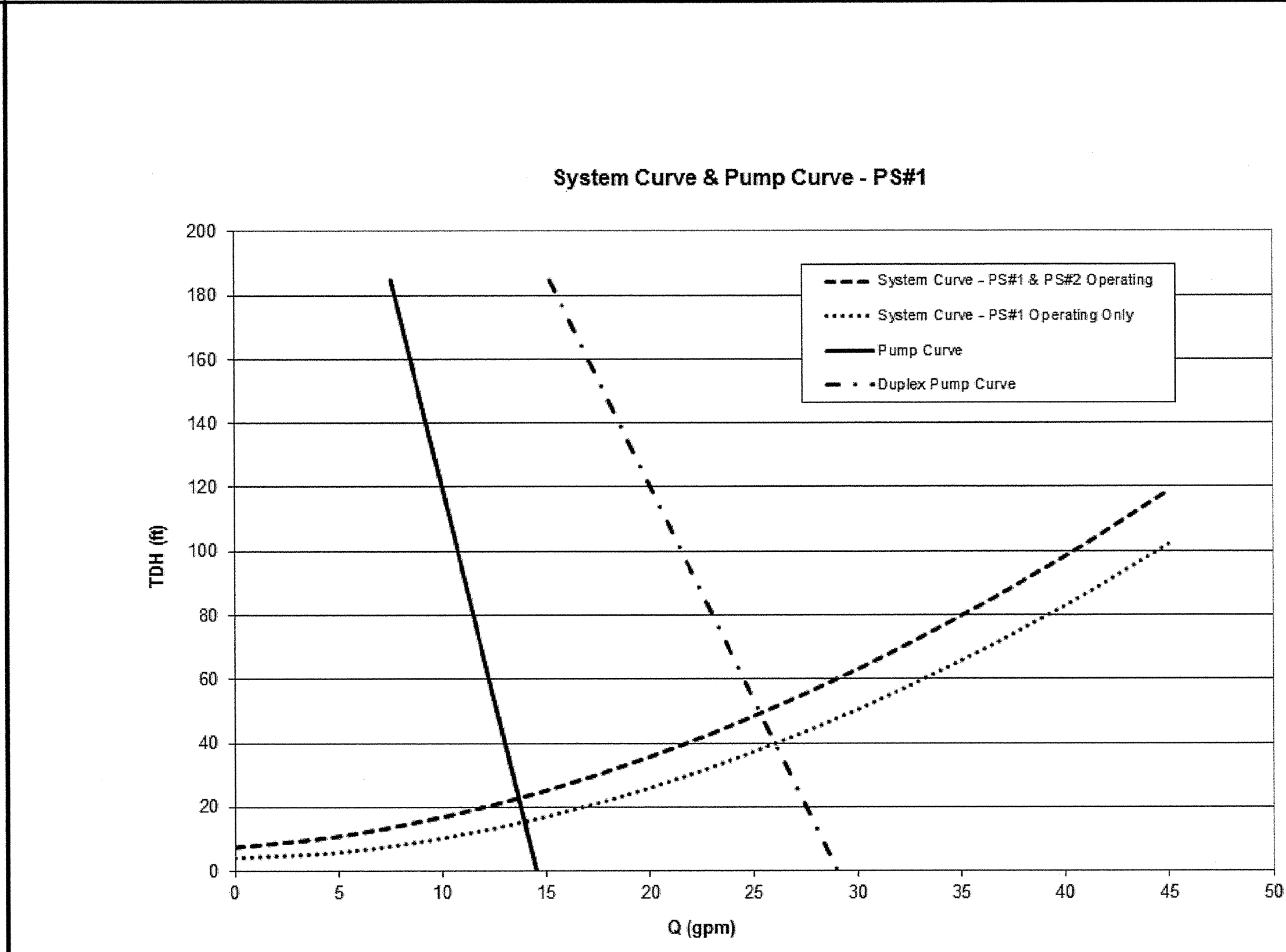
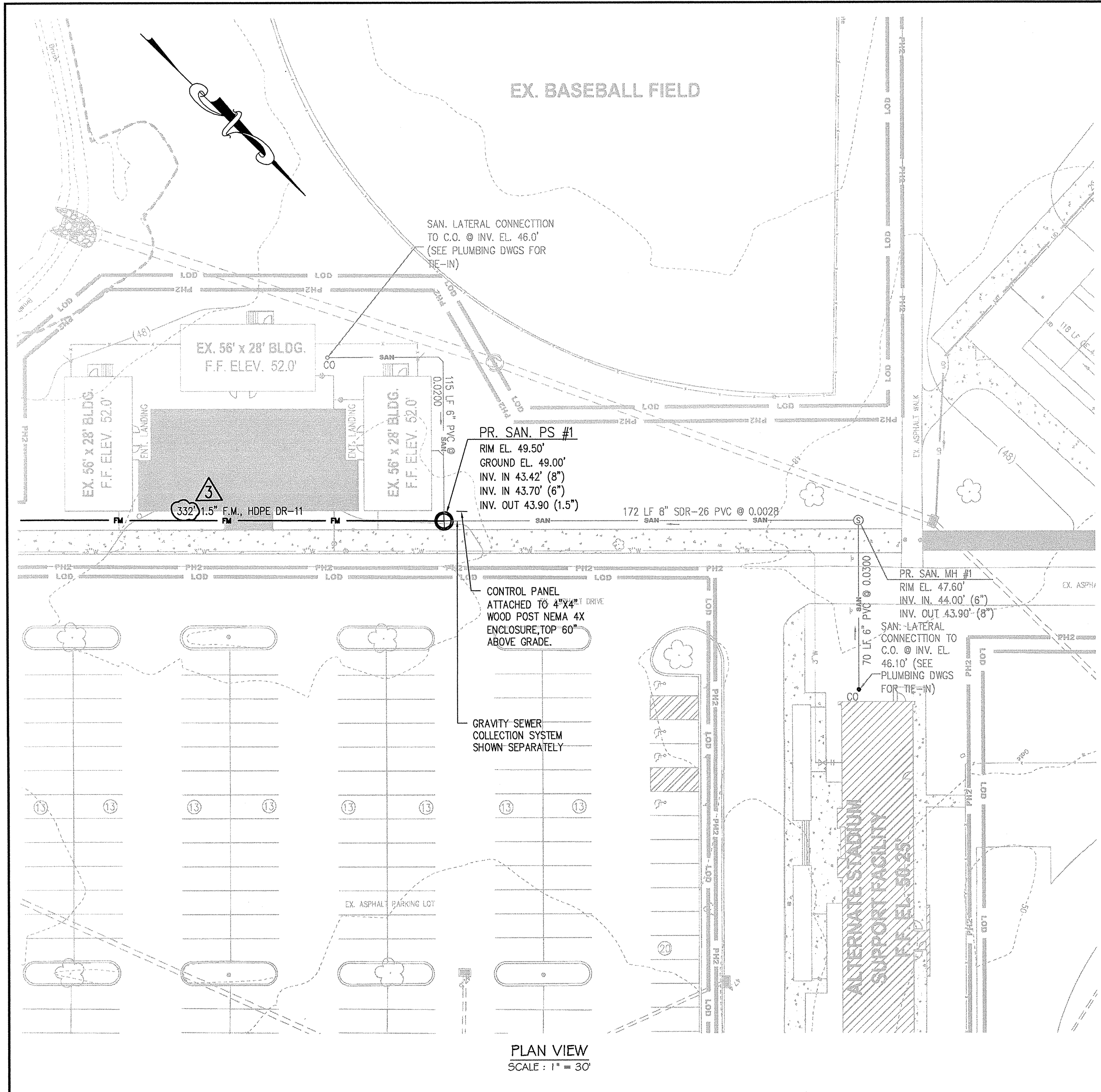


Gipe Associates, Inc.
Consulting Engineers
8719 Brooks Drive
Easton, Maryland 21601
Ph: 410.822.8688
Fax: 410.822.6306
W.O.# 11156

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Ph. 302-998-7615 Fax. 302-998-7685
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PROJECT	
WOODBRIDGE SCHOOL DISTRICT	
WOODBRIDGE HIGH SCHOOL	
Woodbridge Road	
DRAWING TITLE:	
PART PLANS PLUMBING	
DWN BY: KGG	CHK BY: DRH
DATE: 07-03-12	PROJ. NUMBER: 11156
SCALE: 1/4" = 1'-0"	DRAWING NUMBER: P20-07



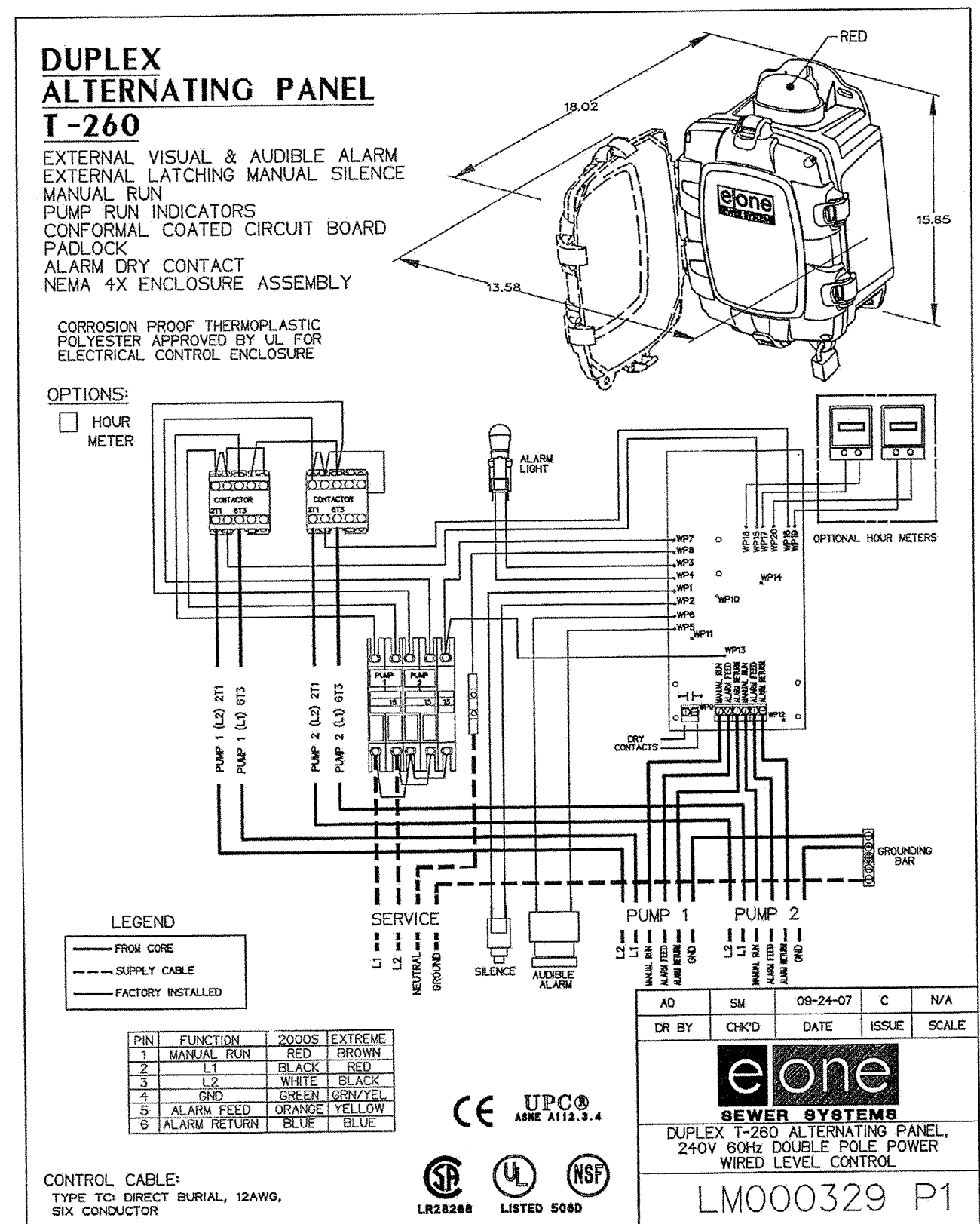
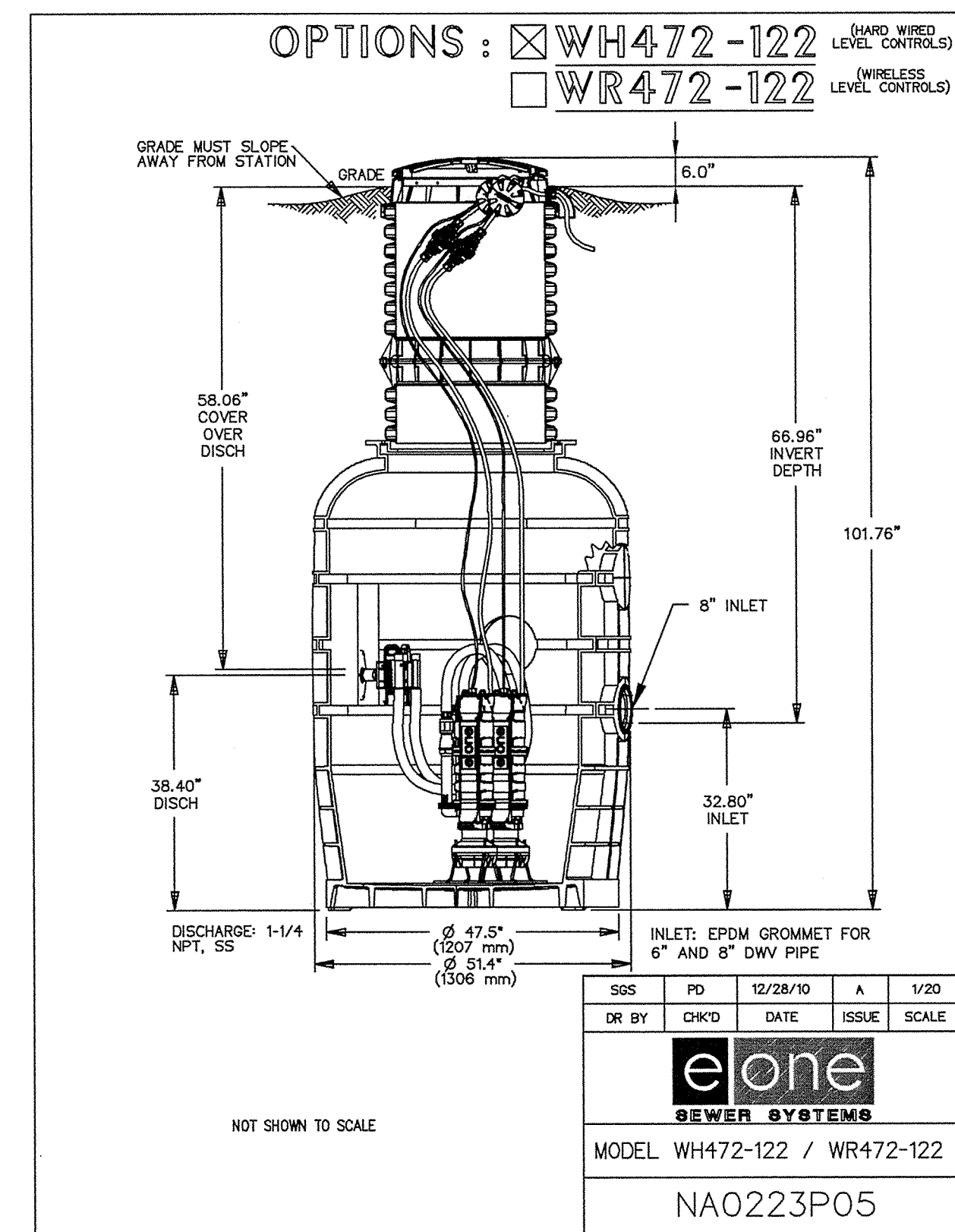
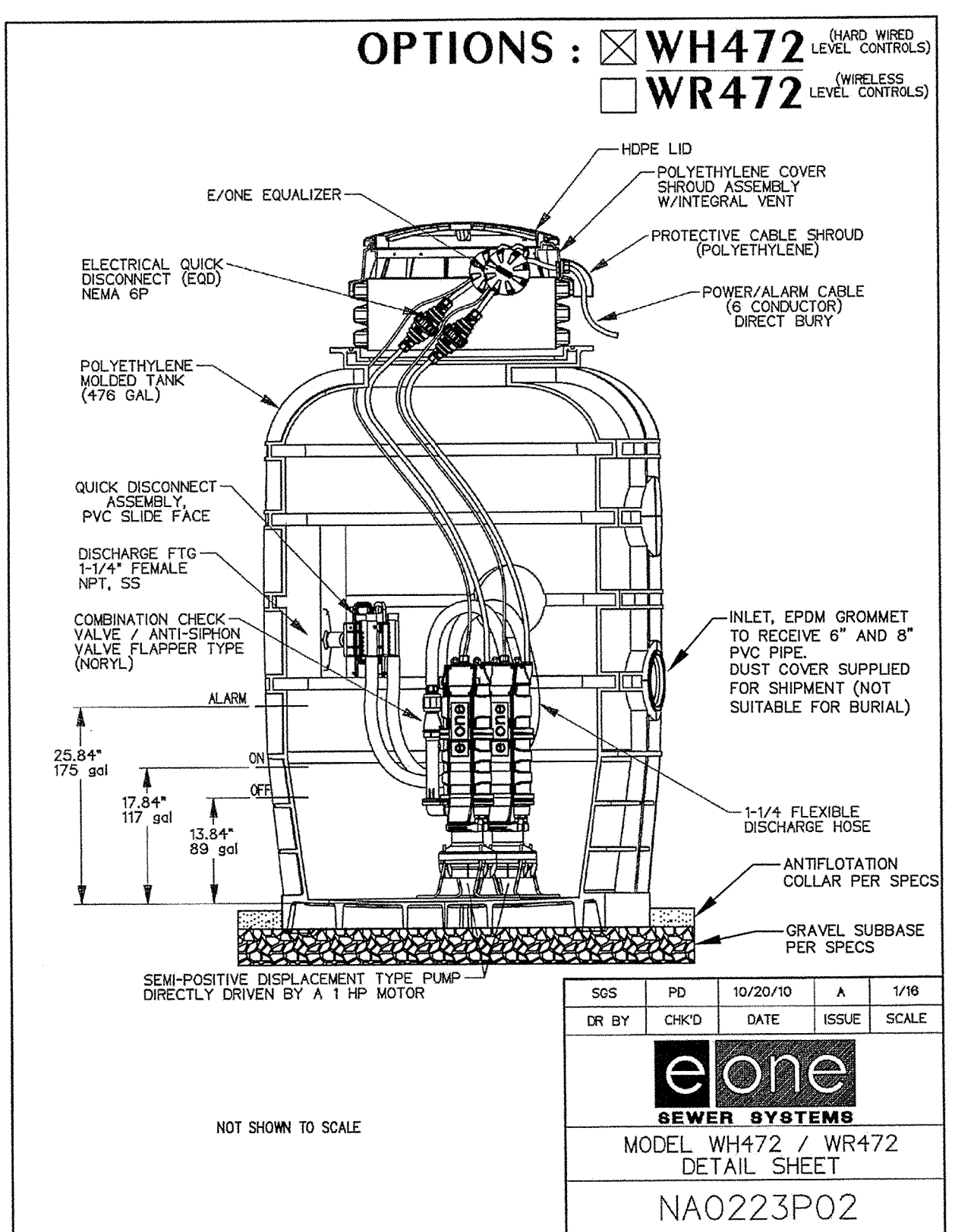
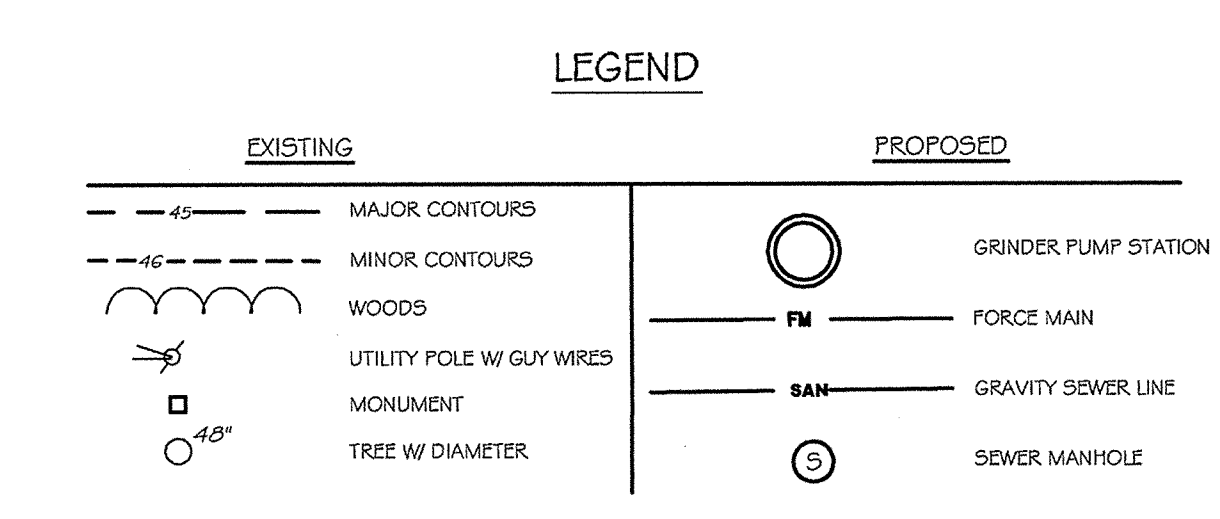
NOTES:

- THE PURPOSE OF THIS PLAN IS TO COLLECT AND TRANSPORT THE SANITARY FLOWS FROM THE STADIUM SUPPORT BUILDING AND THE CAMP RAIDER BUILDINGS TO A COLLECTION MANHOLE UPSTREAM OF THE PUMP STATION #3.
- DESIGN FLOWS:
AVG DESIGN FLOW: 11,925 GPD
PEAK DESIGN FLOW: 29 GPM (PEAKED BY 3.5)
* PEAK DESIGN ACHIEVED WITH 2 PUMPS OPERATING
- THE PROPOSED FORCE MAIN AND GRINDER PUMP STATION SHALL BE PRIVATELY OWNED AND MAINTAINED BY WOODBRIDGE HIGH SCHOOL.
- PROPOSED PUMP STATION: ELONE WH472-1/22 DUPLEX GRINDER PUMP STATION UNIT INCLUDING TWO GRINDER PUMPS WITH CHECK VALVES, POLYETHYLENE TANK AND CONTROLS.
- PROPOSED MOTORS: 1 HP, 1,725 RPM, HIGH TORQUE, CAPACITOR START, THERMALLY PROTECTED, 240 V / 60 HZ, ONE PHASE. A BUCK & BOOST TRANSFORMER SHALL BE APPLIED AS NEEDED.
- PROPOSED FORCE MAIN SHALL HAVE AT LEAST 36" OF COVER.
- MATCH CROWN ELEVATIONS WHEN A SMALLER SEWER JOINS A LARGER ONE.
- MINIMUM SEPARATION BETWEEN SEWER AND WATER MAINS: 10 FEET HORIZONTAL AND 18 INCHES VERTICAL, FROM OUTSIDE EDGE TO OUTSIDE EDGE.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORM WATER REGULATIONS, AND DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY OWNER UPON COMPLETION OF CONSTRUCTION. AS-BUILT PLANS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE MUST BE SUBMITTED BEFORE ACCEPTANCE.

PUMP STATION DESIGN RATE CALCULATION:

BUILDING	DFlUs	AVG FLOWS (GPD)	PEAK FLOWS (GPM)
STADIUM SUPPORT BUILDING	228.5	11,425	27.8 CAMP
RAIDER BUILDINGS (2)	1.0	500	1.2
TOTAL	239.5	11,925	29

* 1 EDU = 6 DFlUs = 300 GPD (AVG), PER SUSSEX COUNTY CODES.



CONSULTANTS:

KCI TECHNOLOGIES, INC.
1382 WILMINGTON PIKE, SUITE 100, WILMINGTON, DELAWARE 19811
PHONE: (302) 731-4774 FAX: (302) 731-7907 EMAIL: www.kci.com

CDA ENGINEERING INC.
CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE SUITE 401 WILMINGTON, DE 19804
Tel: 302.988.9232 Fax: 302.981.1814 cdaengineering.com

ISSUE DATES:

ISSUED FOR PLUS REVIEW	12-29-11
BID PACK - A	6-27-12
ISSUED FOR BID, BID PACK - A	7-3-12
ADDENDUM #3	7-23-12
ADDRESSING DNREC COMMENTS	7-23-12

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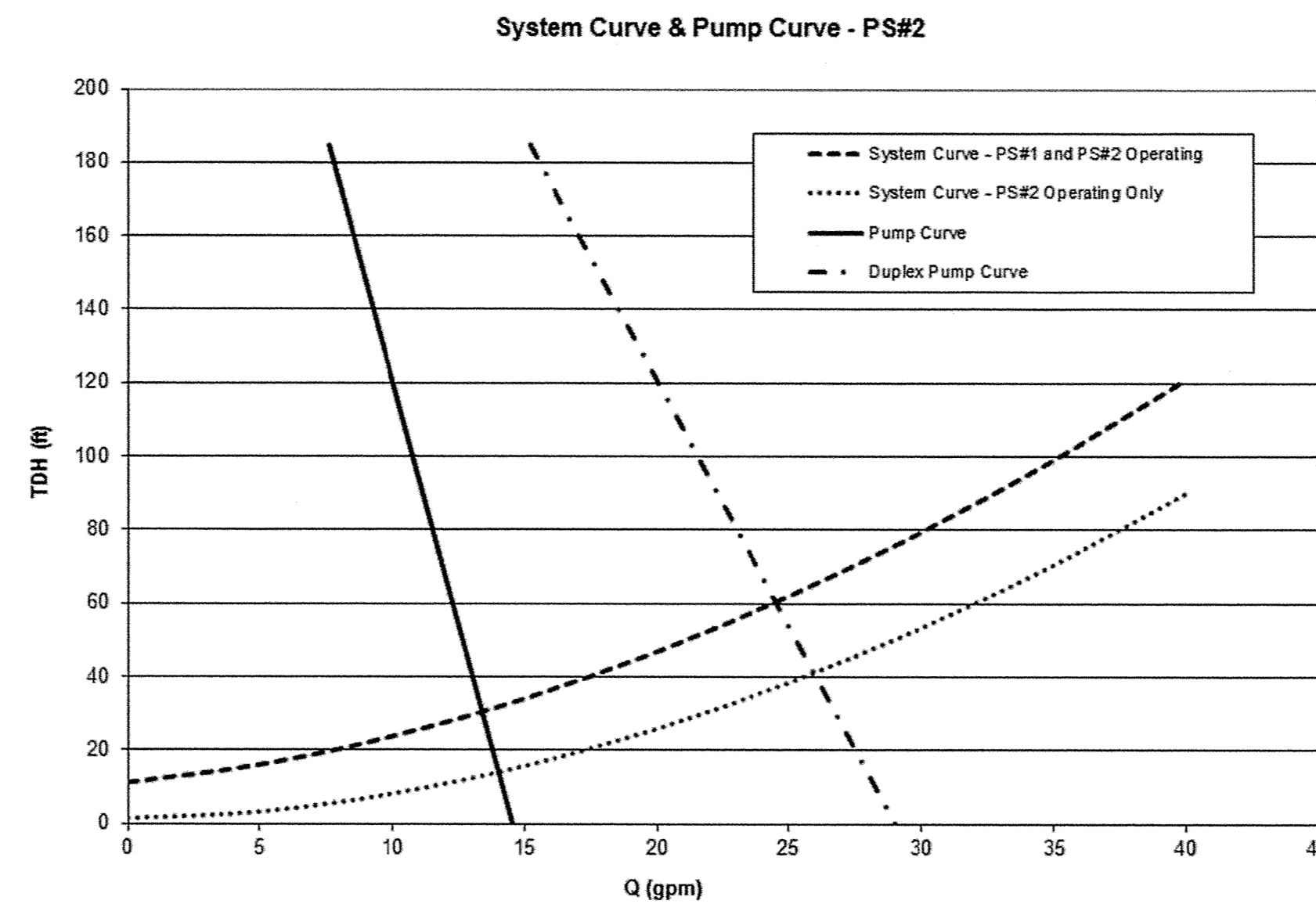
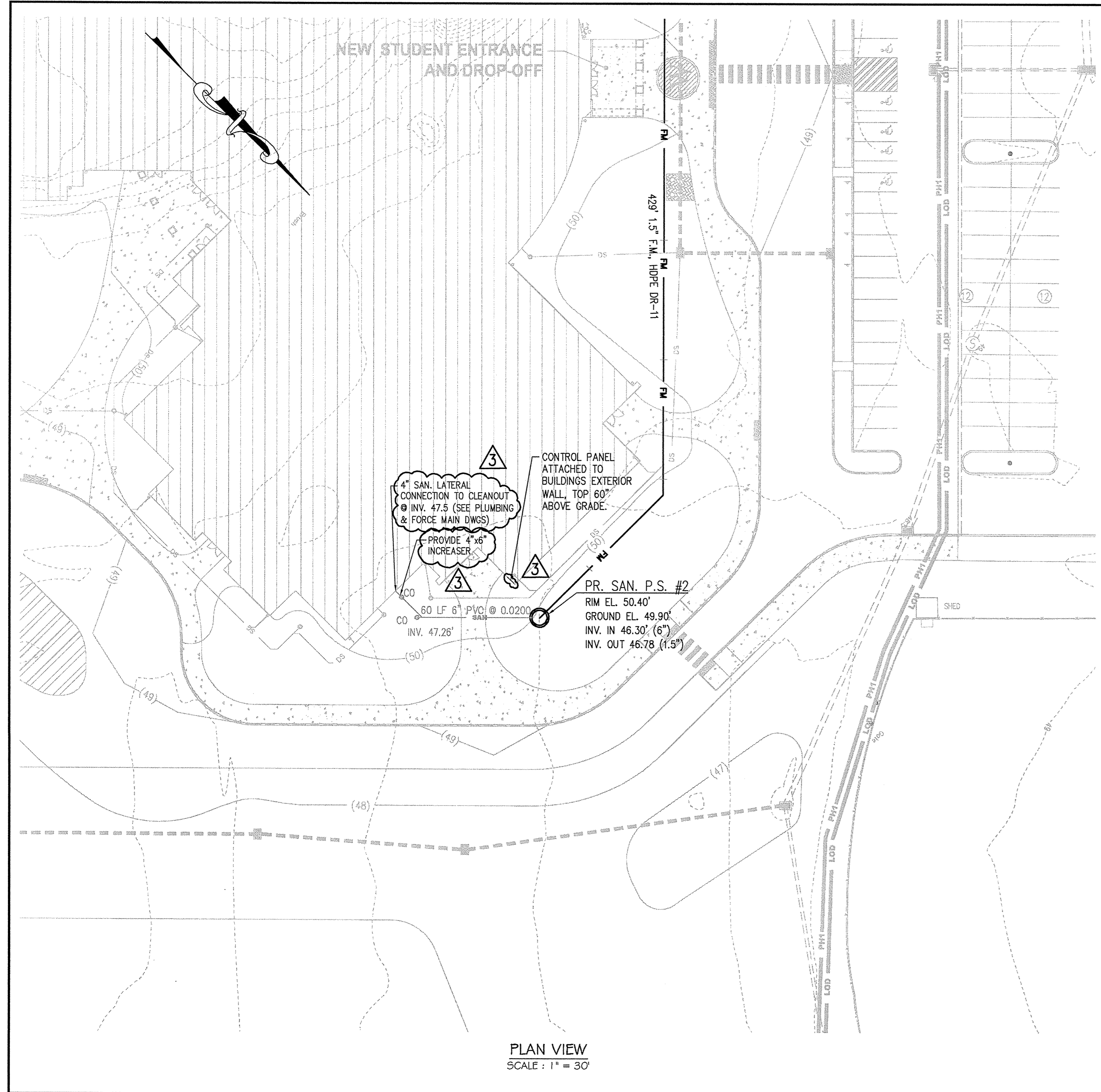
PROJECT:

WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:
PUMP STATION PLAN
PUMP STATION #1

OWN. BY:	CHK. BY:	PROJECT NUMBER:
JRG	LL	11109
DATE:	DRAWING NUMBER:	
7-23-12	PS-001	
SCALE:	AS SHOWN	

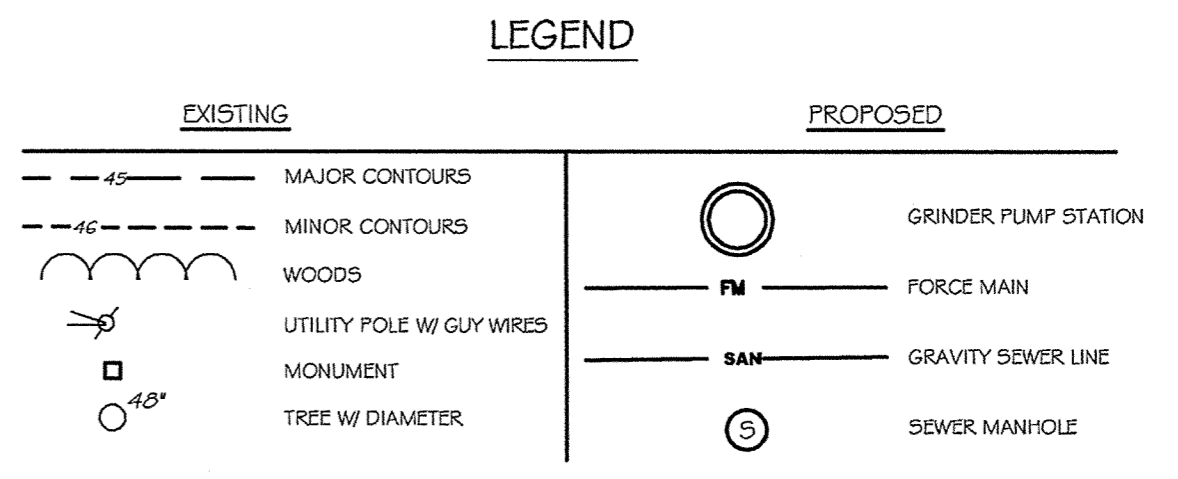




- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO COLLECT AND TRANSPORT THE SANITARY FLOWS FROM THE WOMEN'S LOCKER ROOM TO A COLLECTION MANHOLE UPSTREAM OF THE PUMP STATION #3.
 - DESIGN FLOWS:
AVG DESIGN FLOW: 6,450 GPD
PEAK DESIGN FLOW: 16 GPM (PEAKED BY 3.5)
* PEAK DESIGN ACHIEVED WITH 2 PUMPS OPERATING
 - THE PROPOSED FORCE MAIN AND GRINDER PUMP STATION SHALL BE PRIVATELY OWNED AND MAINTAINED BY WOODBRIDGE HIGH SCHOOL.
 - PROPOSED PUMP STATION: ONE WH472-77 DUPLEX GRINDER PUMP STATION UNIT INCLUDING TWO GRINDER PUMPS WITH CHECK VALVES, POLYETHYLENE TANK AND CONTROLS.
 - PROPOSED MOTORS: 1 HP, 1,725 RPM, HIGH TORQUE, CAPACITOR START, THERMALLY PROTECTED, 120 OR 240 V / 60 HZ, ONE PHASE. A BUCK & BOOST TRANSFORMER SHALL BE APPLIED AS NEEDED.
 - PROPOSED FORCE MAIN SHALL HAVE AT LEAST 36" OF COVER.
 - MATCH GROUND ELEVATIONS WHEN A SMALLER SEWER JOINS A LARGER ONE.
 - MINIMUM SEPARATION BETWEEN SEWER AND WATER MAINS: 10 FEET HORIZONTAL AND 18 INCHES VERTICAL, FROM OUTSIDE EDGE TO OUTSIDE EDGE.
 - EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORM WATER REGULATIONS, AND DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY OWNER UPON COMPLETION OF CONSTRUCTION. AS-BUILT PLANS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE MUST BE SUBMITTED BEFORE ACCEPTANCE.

PUMP STATION DESIGN RATE CALCULATION:

BUILDING	DPU#	AVG FLOWS (GPD)	PEAK FLOWS (GPM)
BUILDING LOCKER ROOM	129	6,450	16
* 1 EDU = 6 DPU# = 300 GPD (AVG), PER SUSSEX COUNTY CODES.			



CONSULTANTS:

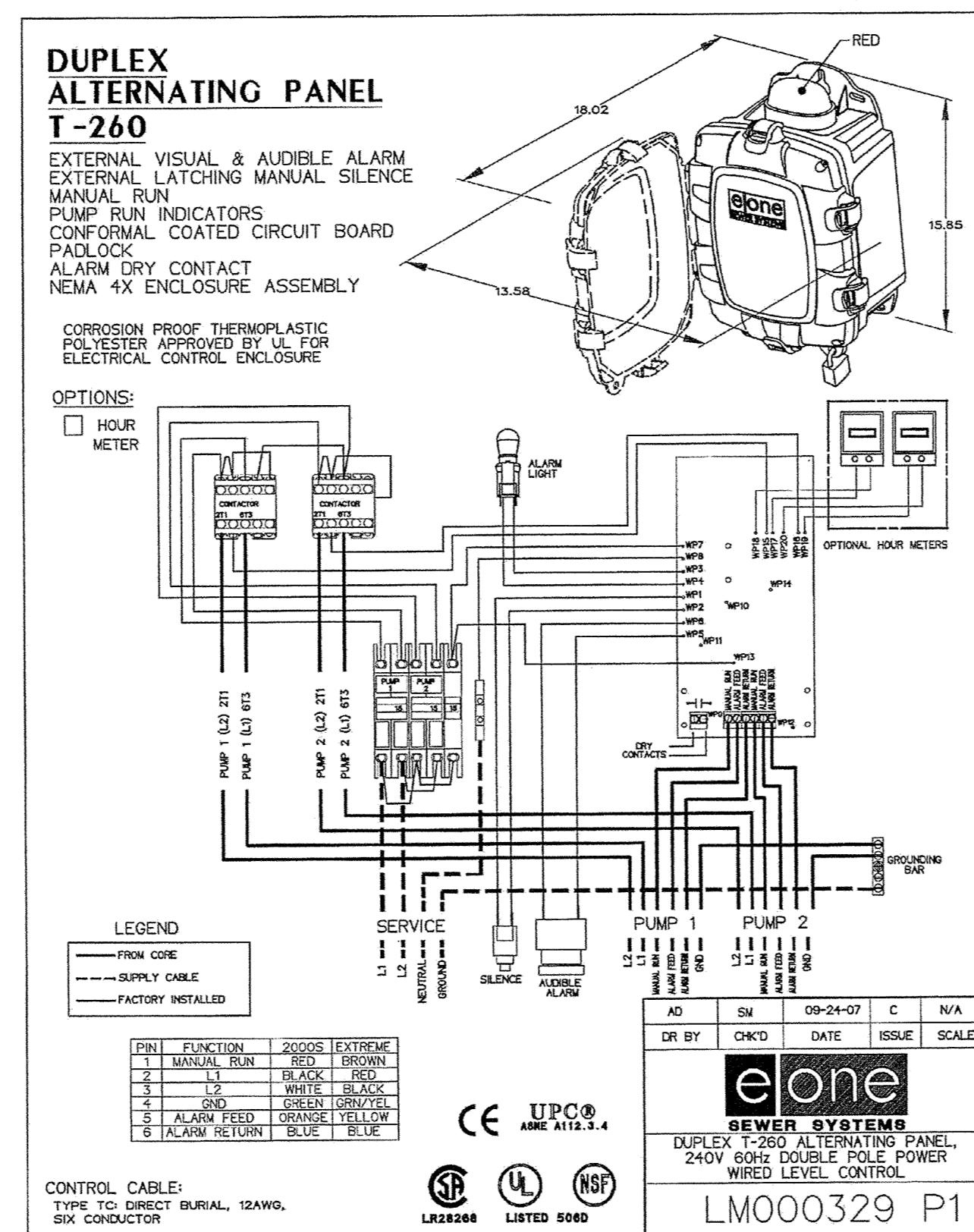
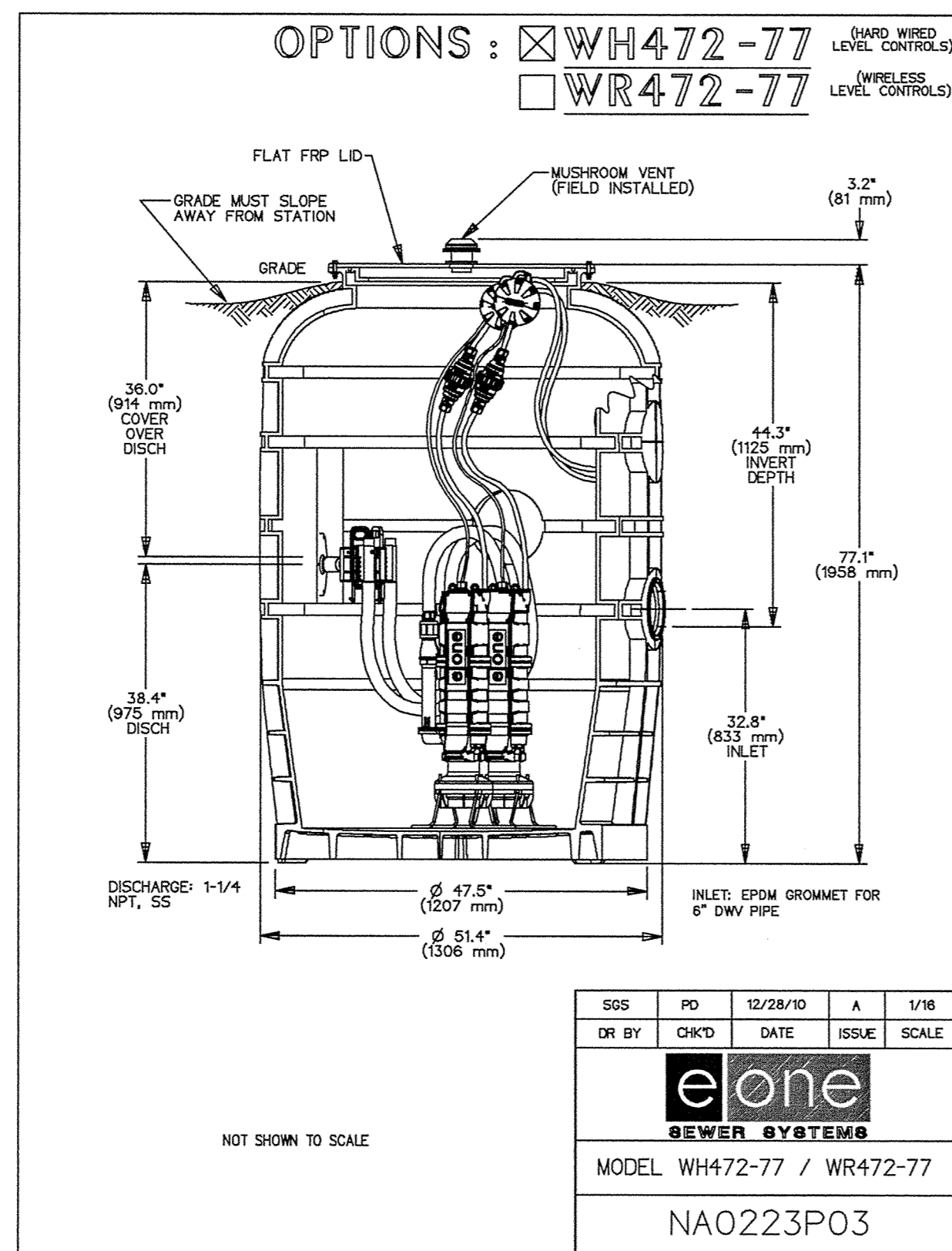
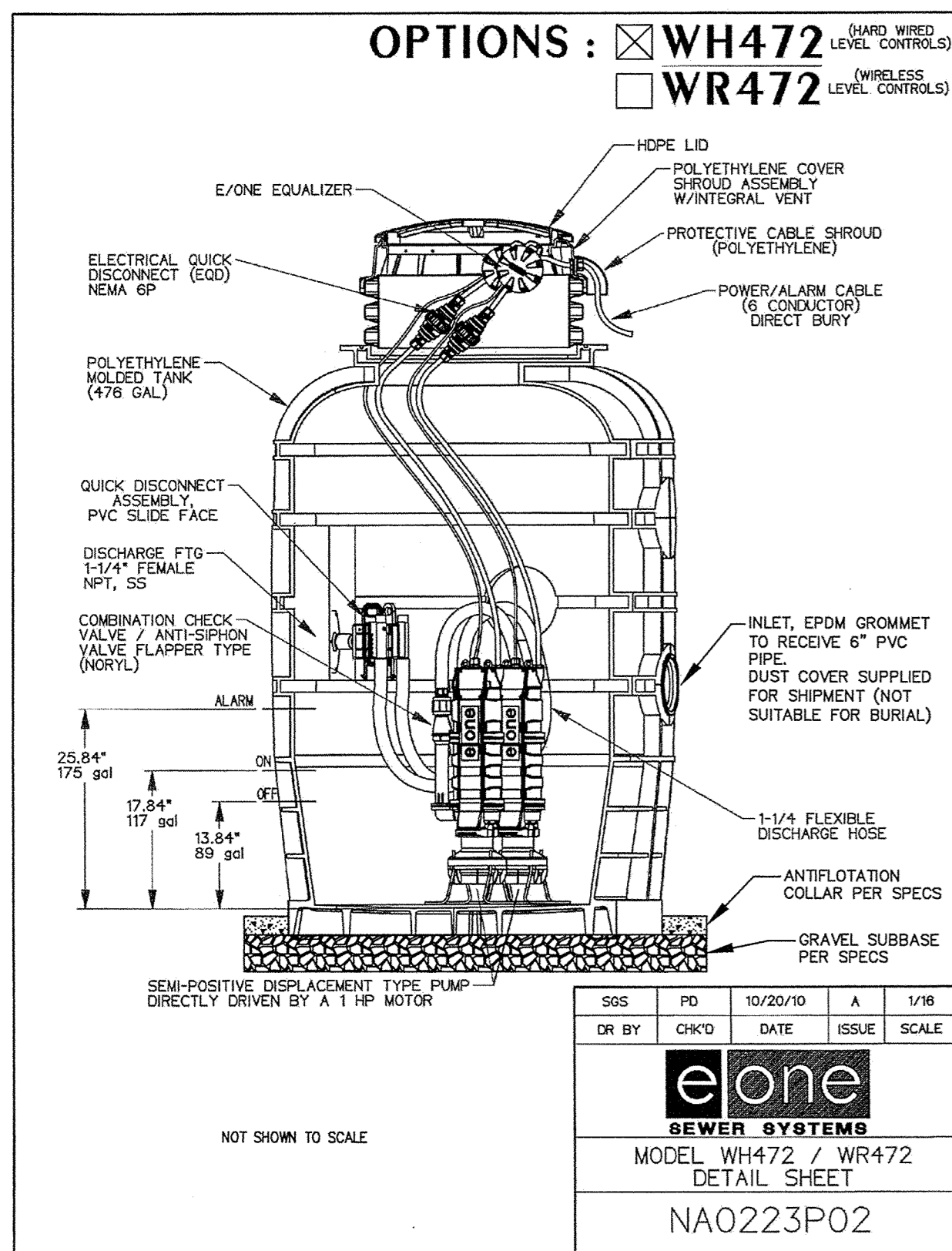
KCI TECHNOLOGIES, INC.
ENGINEERS PLANNERS SURVEYORS
1383 HARRISON BL., SUITE 100 - WILMINGTON, DELAWARE 19811
PHONE: (302) 731-8178 FAX: (302) 731-7907 EMAIL: www.kci.com

CDA ENGINEERING INC.
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- ISSUED FOR BID, BID PACK - A	7-3-12
- ADDENDUM #3	7-23-12
- ADDRESSING DNRC COMMENTS	7-23-12



PROJECT:

**WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL**

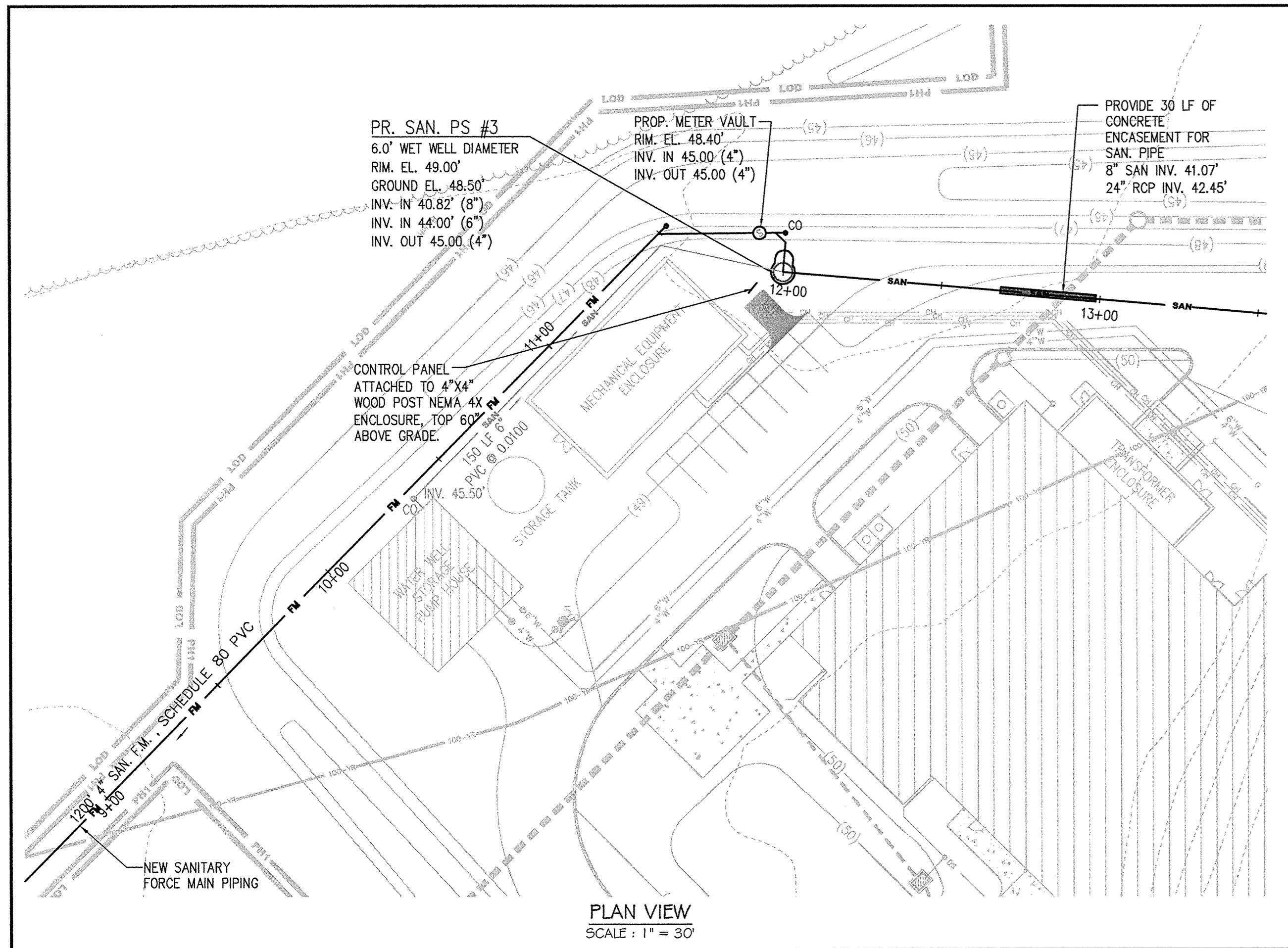
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:
PUMP STATION PLAN
PUMP STATION #2

OWN. BY:	CHK. BY:	PROJECT NUMBER:
JRG	LL	11109

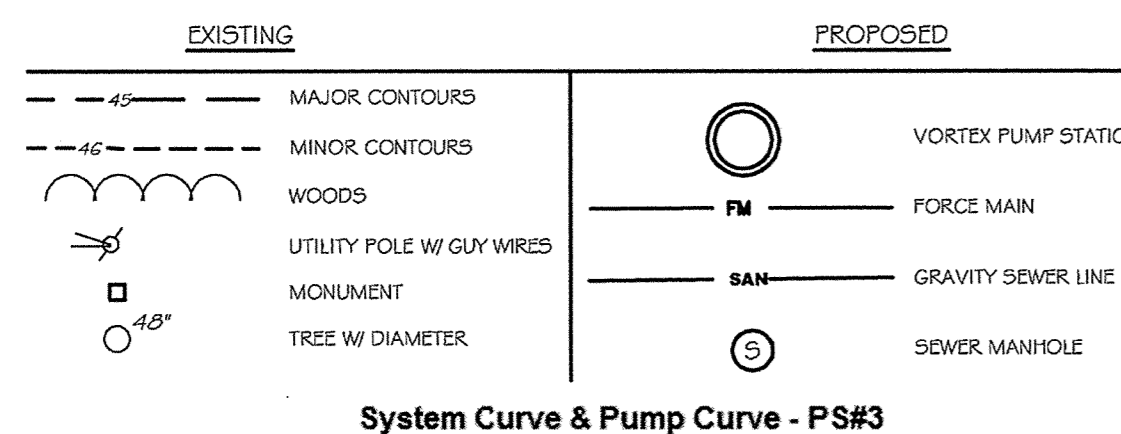
DATE:	DRAWING NUMBER:
7-23-12	PS-002

SCALE: AS SHOWN

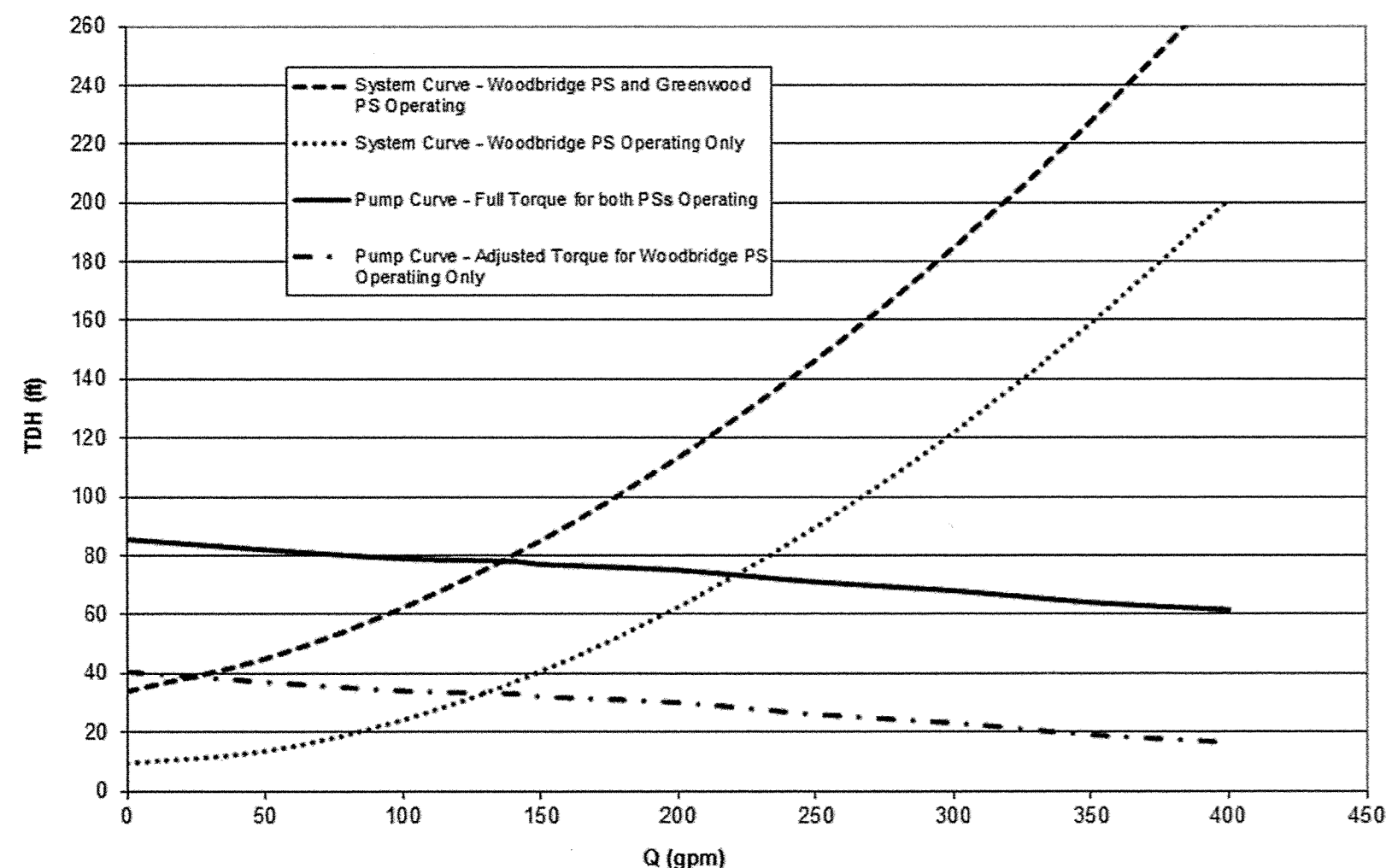


PLAN VIEW
SCALE: 1" = 30'

LEGEND



System Curve & Pump Curve - PS#3



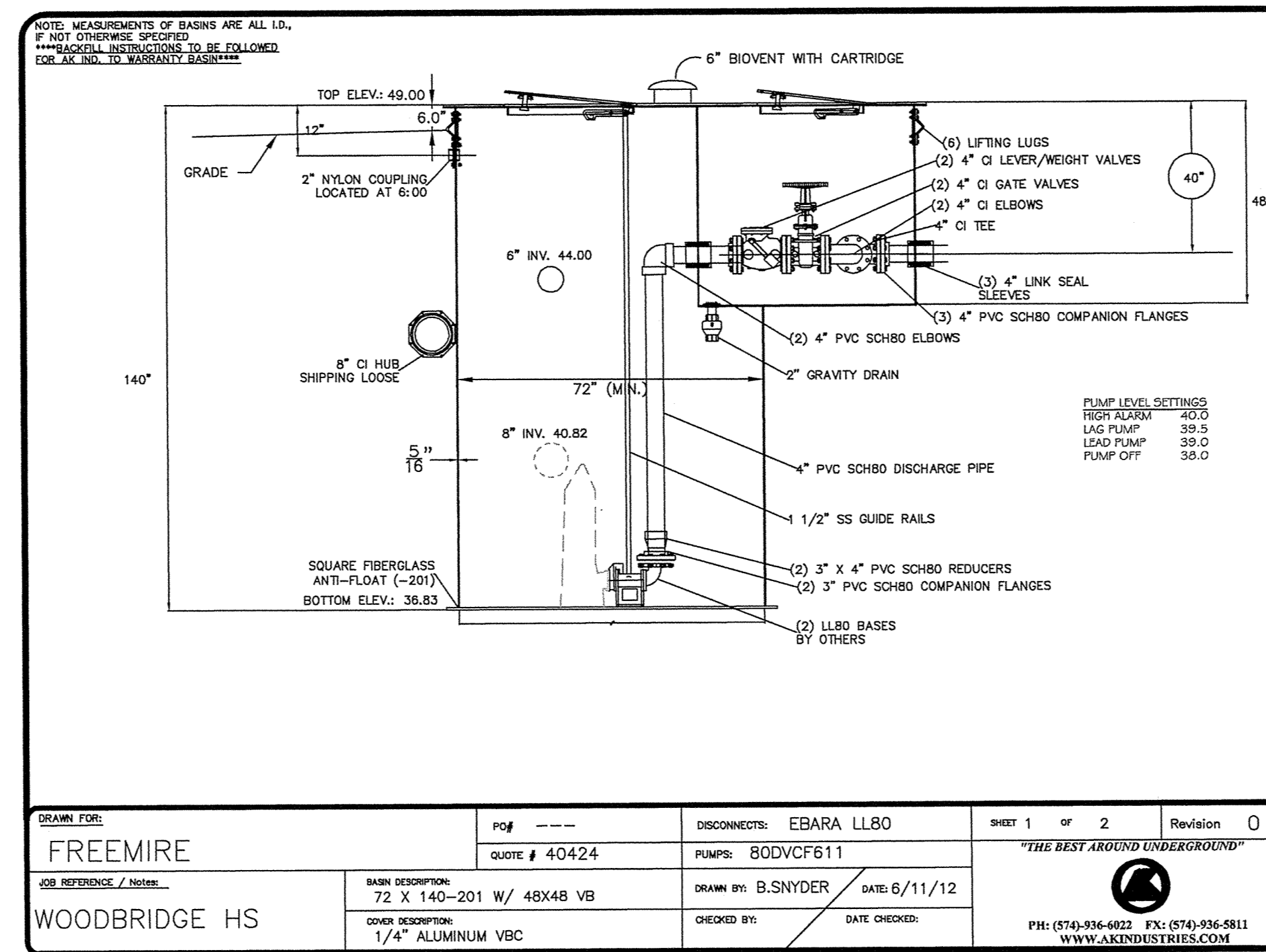
NOTES:

- THE PURPOSE OF THIS PLAN IS TO COLLECT AND TRANSPORT THE ENTIRE SANITARY FLOWS FROM THE WOODBRIDGE HIGH SCHOOL TO THE INTO THE GREENWOOD FORCE MAIN.
- DESIGN FLOWS:
AVG DESIGN FLOW: 119 GPM
PEAK DESIGN FLOW: 141 GPM (PEAKED BY 3.5)
- PUMP STATION DESIGN POINTS:
141 GPM @ 78 FT (BOTH WOODBRIDGE PS AND GREENWOOD PS ON)
141 GPM @ 34 FT (WOODBRIDGE PS ON ONLY)
- THE PROPOSED FORCE MAIN AND PUMP STATION SHALL BE PRIVATELY OWNED AND MAINTAINED BY WOODBRIDGE HIGH SCHOOL.
- PROPOSED PUMPS: TWO (2) EBARA SUBMERSIBLE VORTEX SEWAGE PUMPS, FLUID HANDLING MODEL # 80DVC611.
- PROPOSED MOTORS: 15 HP, 760 RPM TO 1,760 RPM CONTROLLED BY TORQUE VECTOR DRIVES, 460 V / 60 HZ, THREE PHASES.
- FLOW METER SHALL BE SITRANS F M MAG 5100 W, BY SIEMENS, OR APPROVED EQUAL.
- PROPOSED FORCE MAIN SHALL HAVE AT LEAST 36" OF COVER.
- THE PROPOSED 4" FORCE MAIN SHALL BE PVC SCHEDULE 80.
- MATCH CROWN ELEVATIONS WHEN A SMALLER SEWER JOINS A LARGER ONE.
- MINIMUM SEPARATION BETWEEN SEWER AND WATER MAINS: 10 FEET HORIZONTAL AND 18 INCHES VERTICAL, FROM OUTSIDE EDGE TO OUTSIDE EDGE.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORM WATER REGULATIONS, AND DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY OWNER UPON COMPLETION OF CONSTRUCTION. AS-BUILT PLANS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE MUST BE SUBMITTED BEFORE ACCEPTANCE.

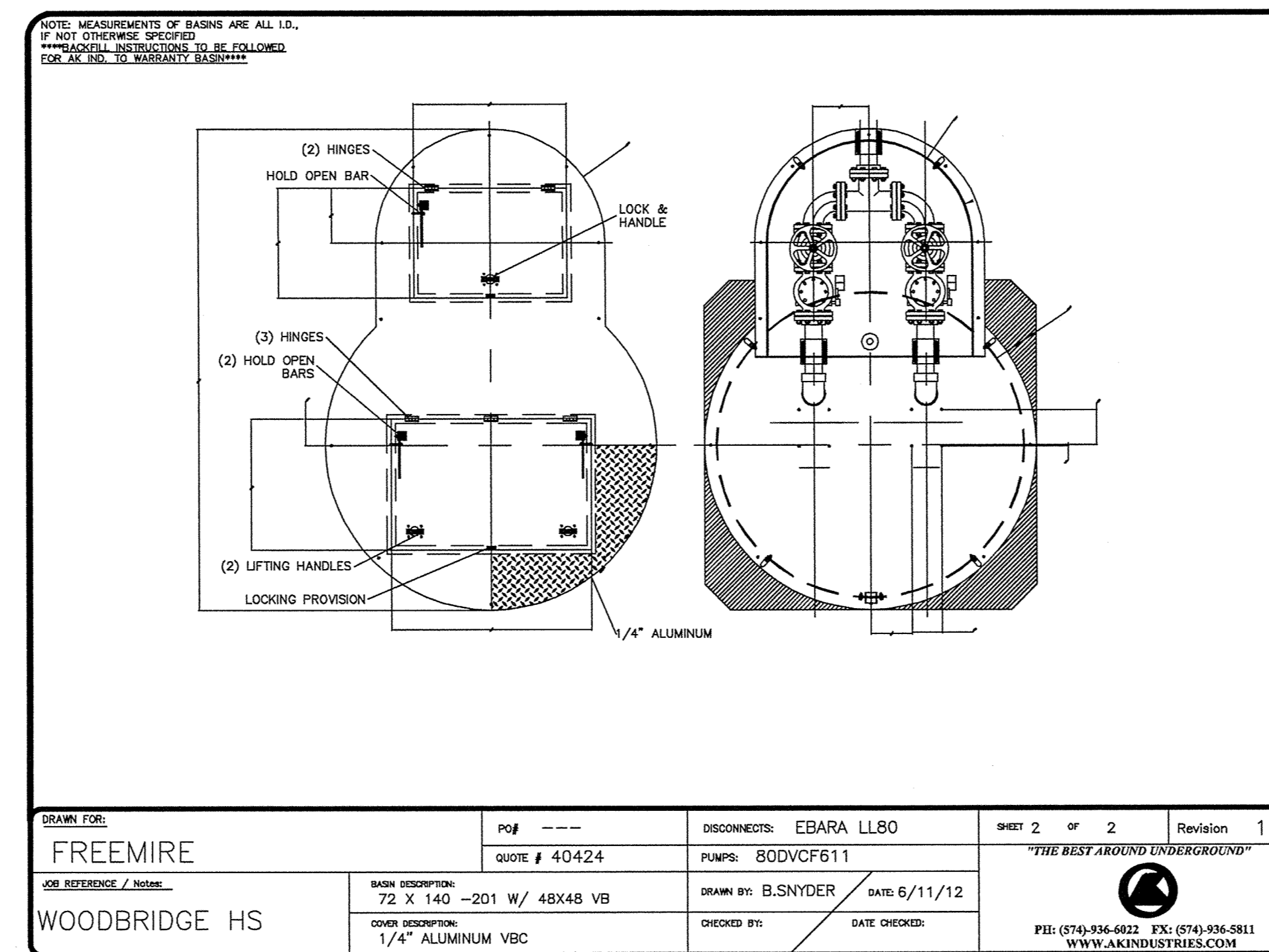
PUMP STATION DESIGN RATE CALCULATION:

BUILDING	DFUs	AVG FLOWS (GPD)	PEAK FLOWS (GPM)
STADIUM SUPPORT BLDGS AND CAMP RAIDOR BLDGS	238.5	11,925	29
MAIN BUILDING	220.5	46,025	112
TOTAL	459.0	57,950	141

- 1 HP = 6 DFUs = 300 GPD (AVG) PER SUSSEX COUNTY CODES.
- SEWER FLOW FROM STEEL HOUSE IS REFERENCED AND MEASURABLE.
- THE MAIN BUILDING DFUs INCLUDE THE DFUs FROM THE WOMEN'S DRESSER ROOM.

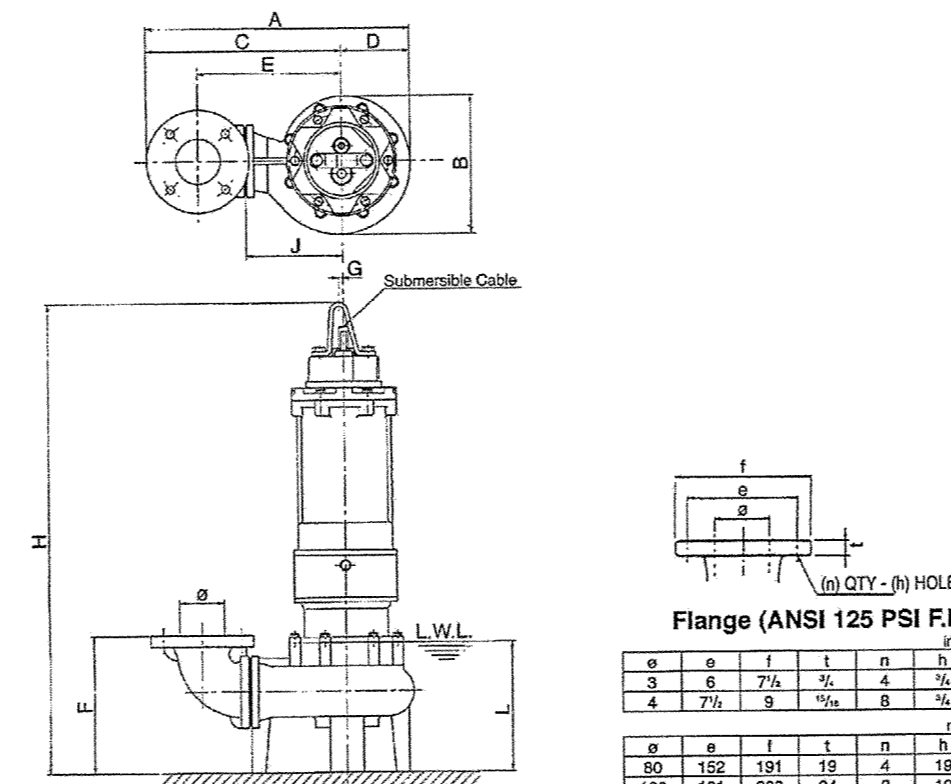


DRAWN BY: FREEMIRE	DATE: 4/24/24	DESIGNED BY: EBARA LL80	SHEET 1 OF 2	REVISION: 0
PROJECT: WOODBRIDGE HS	SCALE: 1/4\"/>			



DRAWN BY: FREEMIRE	DATE: 4/24/24	DESIGNED BY: EBARA LL80	SHEET 2 OF 2	REVISION: 1
PROJECT: WOODBRIDGE HS	SCALE: 1/4\"/>			

EBARA Submersible Vortex Sewage Pumps
Dimensions
Model DVFU
80DVBFU, 15HP
80DVCFU, 15 to 30HP



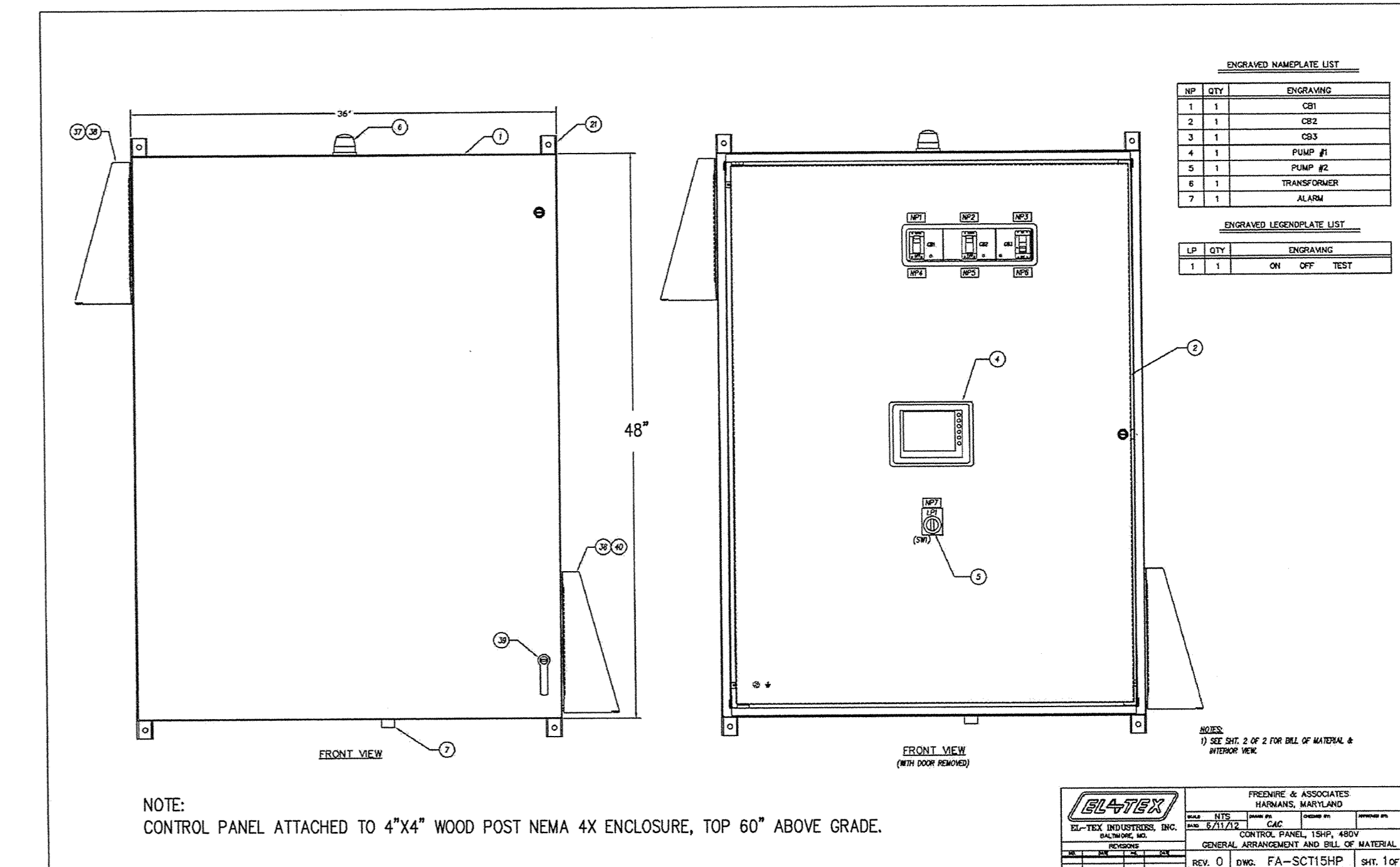
PHASE	MODEL	OUTPUT	A	B	C	D	E	F	G	H	I	J	K	L	M	WEIGHT
THREE	80DVBFU	15	11.5	20.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
THREE	80DVCFU	15	11.5	20.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

PHASE	MODEL	OUTPUT	A	B	C	D	E	F	G	H	I	J	K	L	M	WEIGHT
THREE	80DVBFU	15	115	205	115	115	115	115	115	115	115	115	115	115	115	115
THREE	80DVCFU	15	115	205	115	115	115	115	115	115	115	115	115	115	115	115

*Note: All dimensions are based on 3\"/>

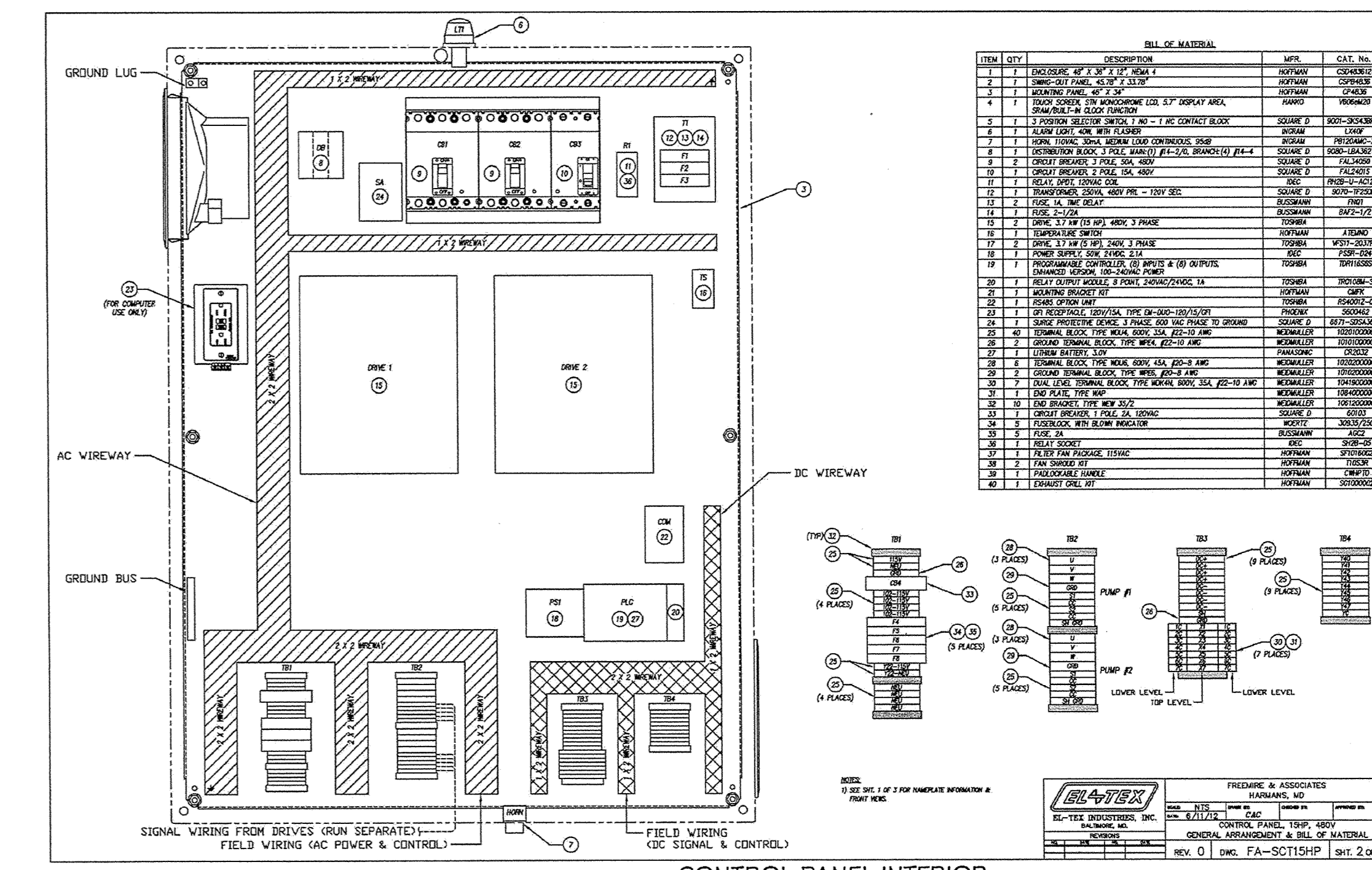
EBARA Fluid Handling
www.ebara.com
EBARA (800) 337-5555, (813) 337-5557

PUMP DETAIL
NOT TO SCALE

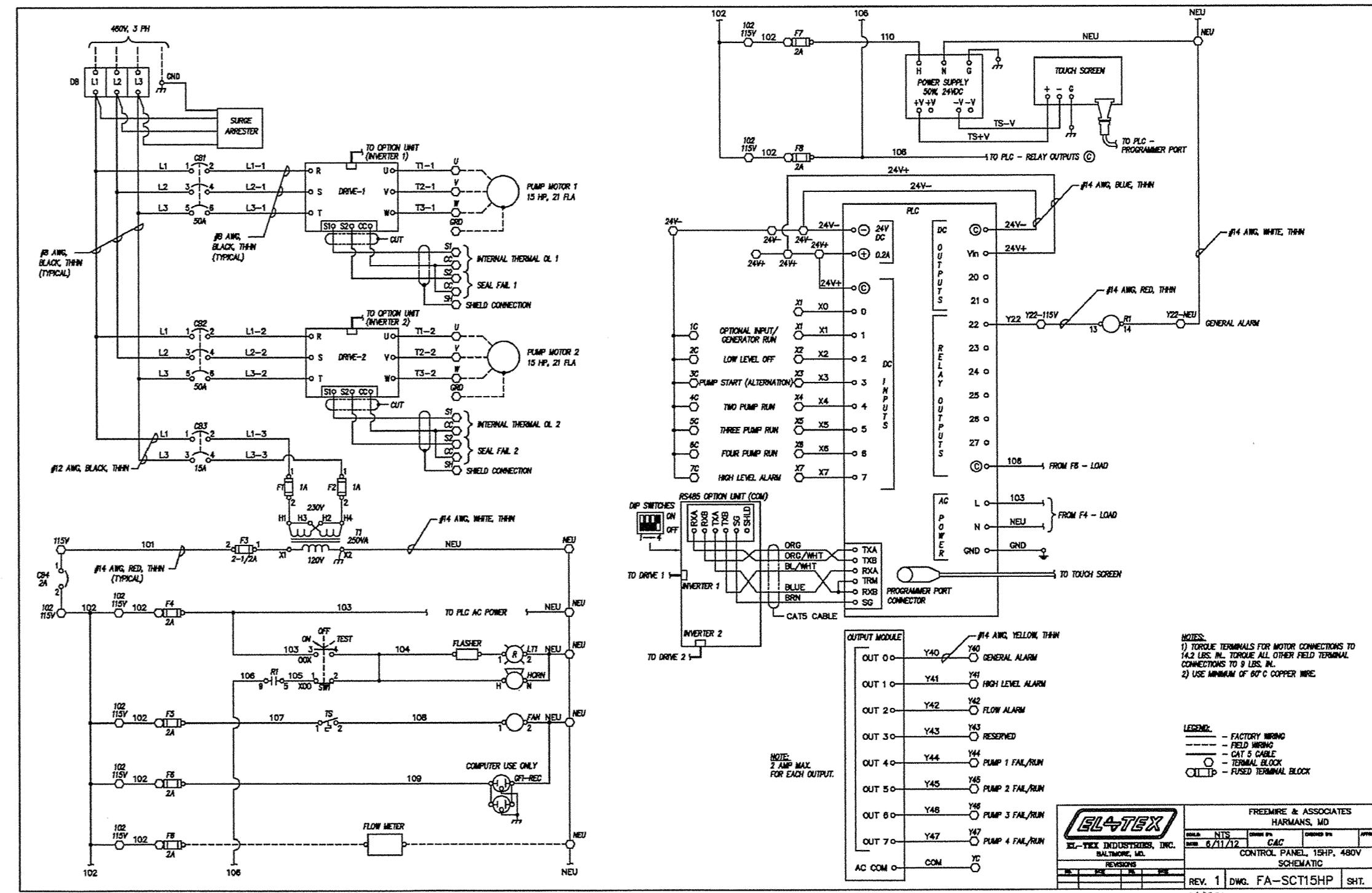


NOTE: CONTROL PANEL ATTACHED TO 4\"/>

CONTROL PANEL EXTERIOR
NOT TO SCALE



CONTROL PANEL INTERIOR
NOT TO SCALE



CONTROL PANEL ELECTRIC SCHEMATIC
NOT TO SCALE

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TEL: 302-998-8202 FAX: 302-998-1514 cdaengineering.com

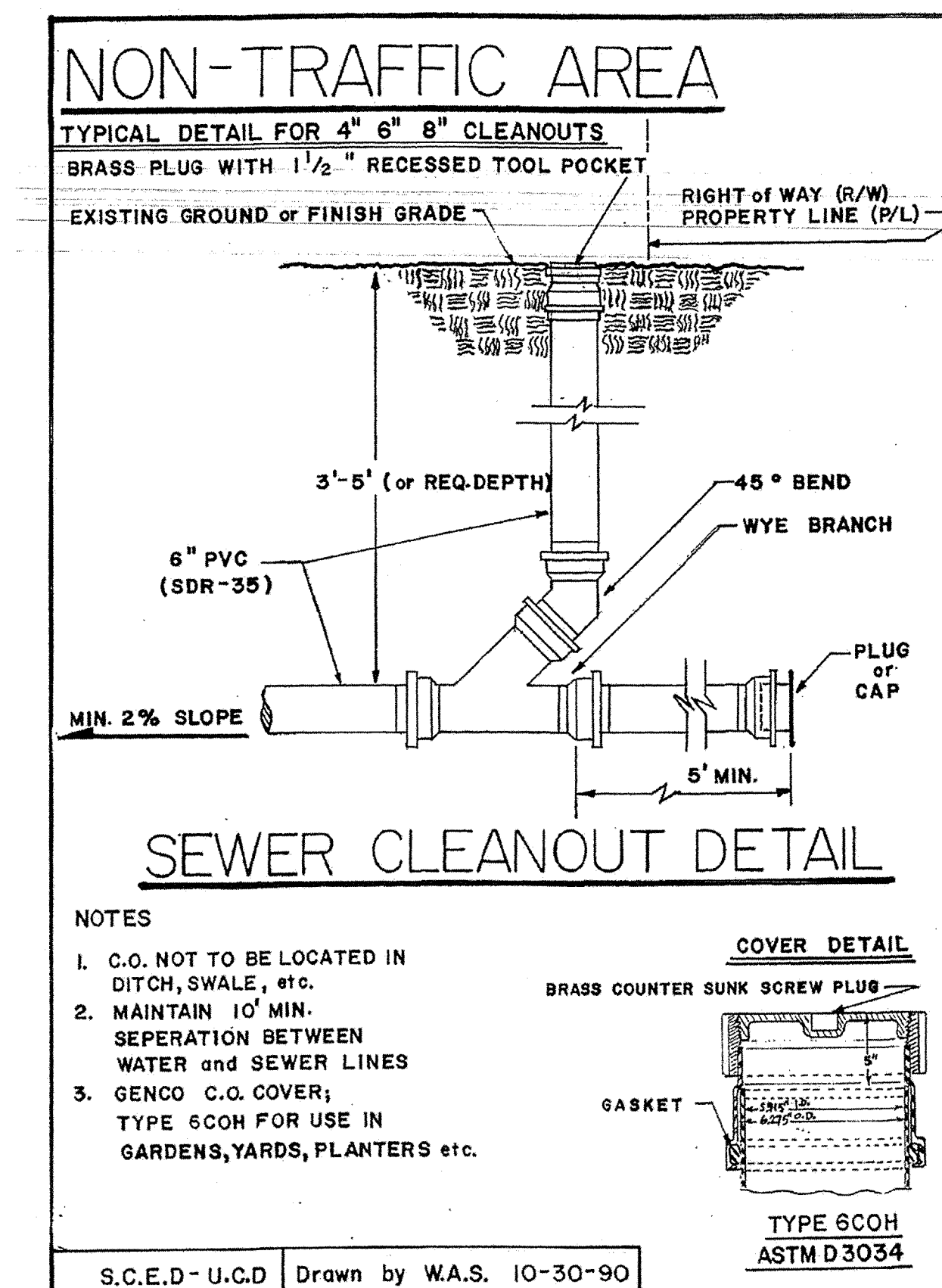
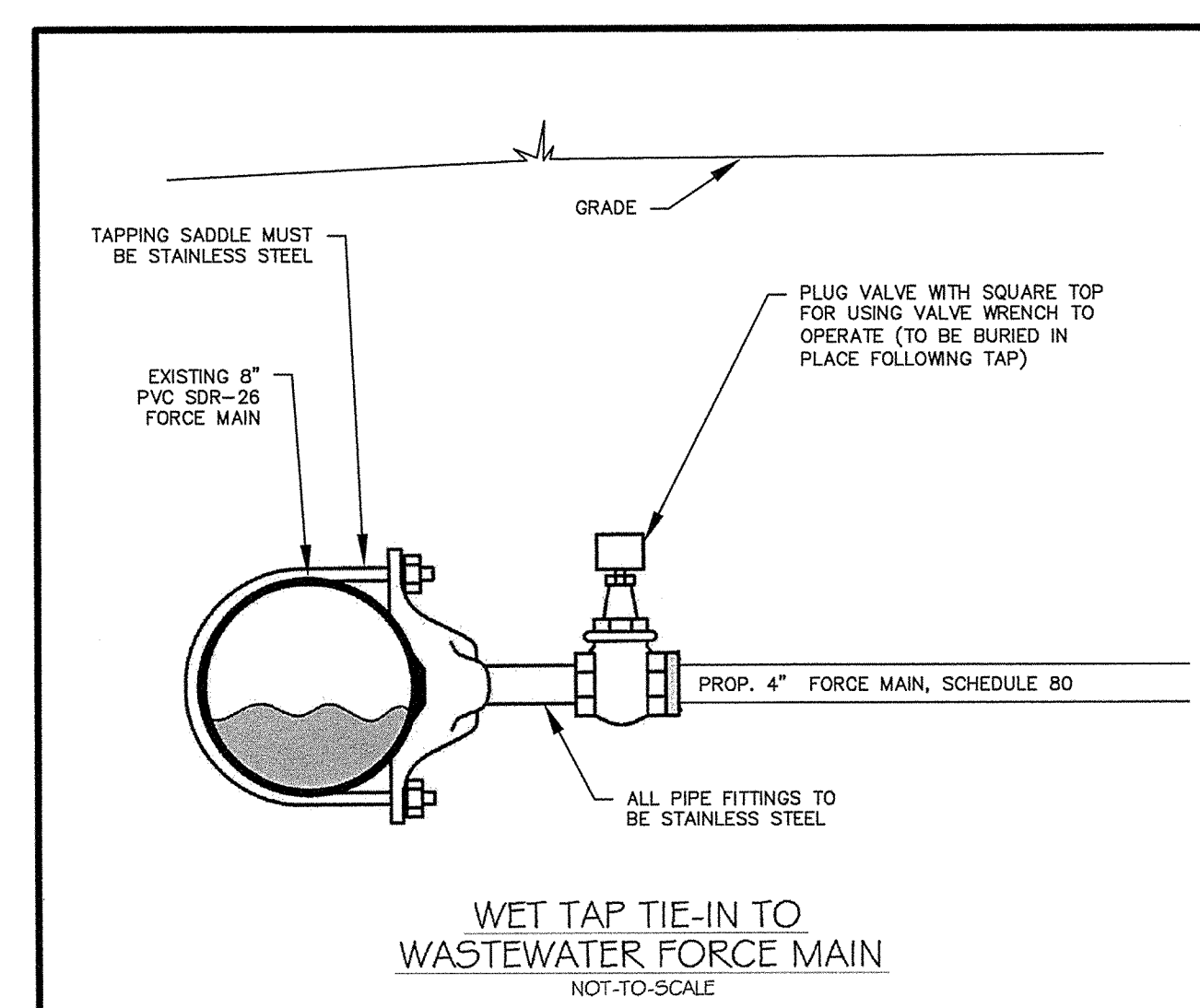
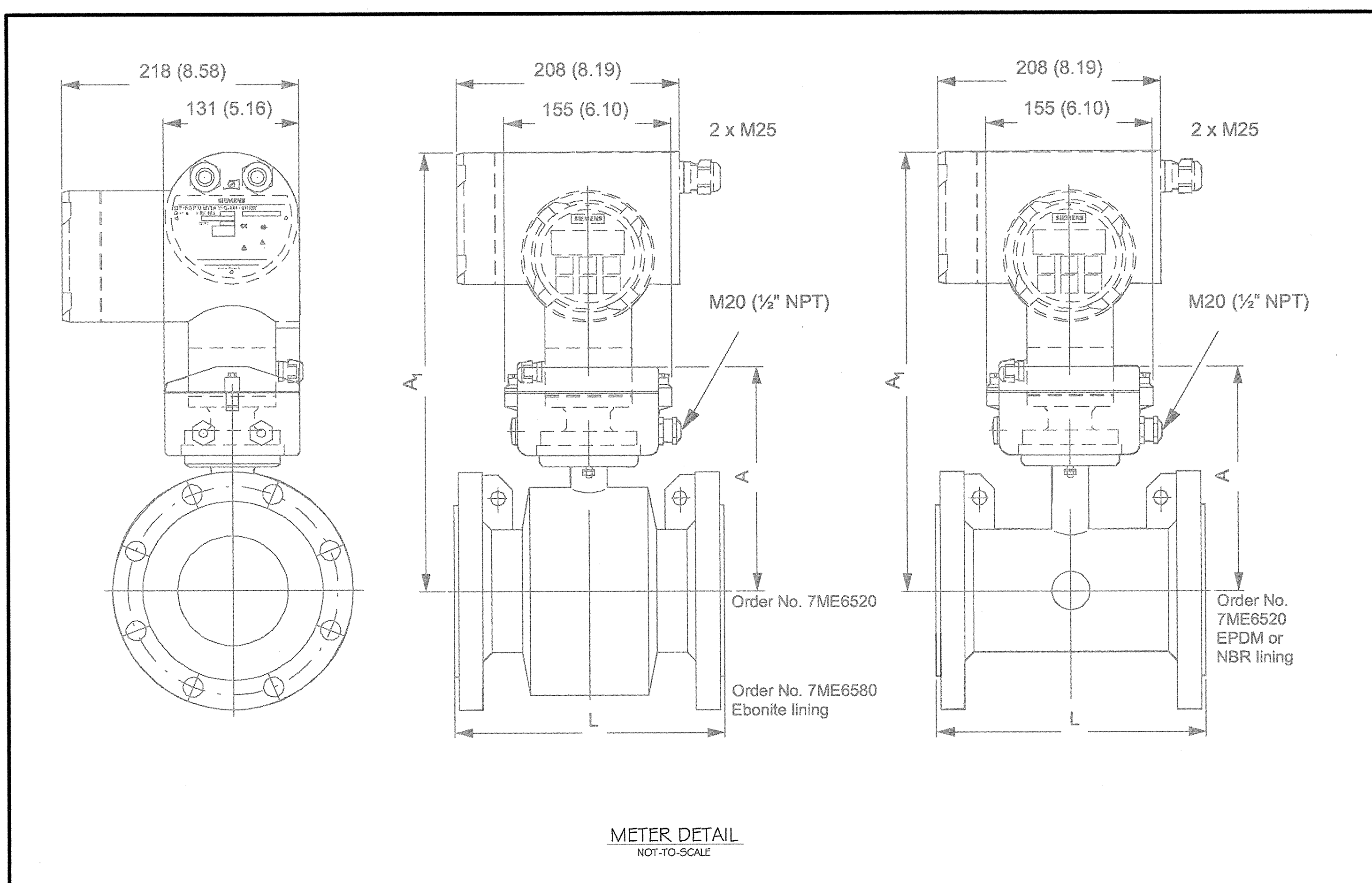
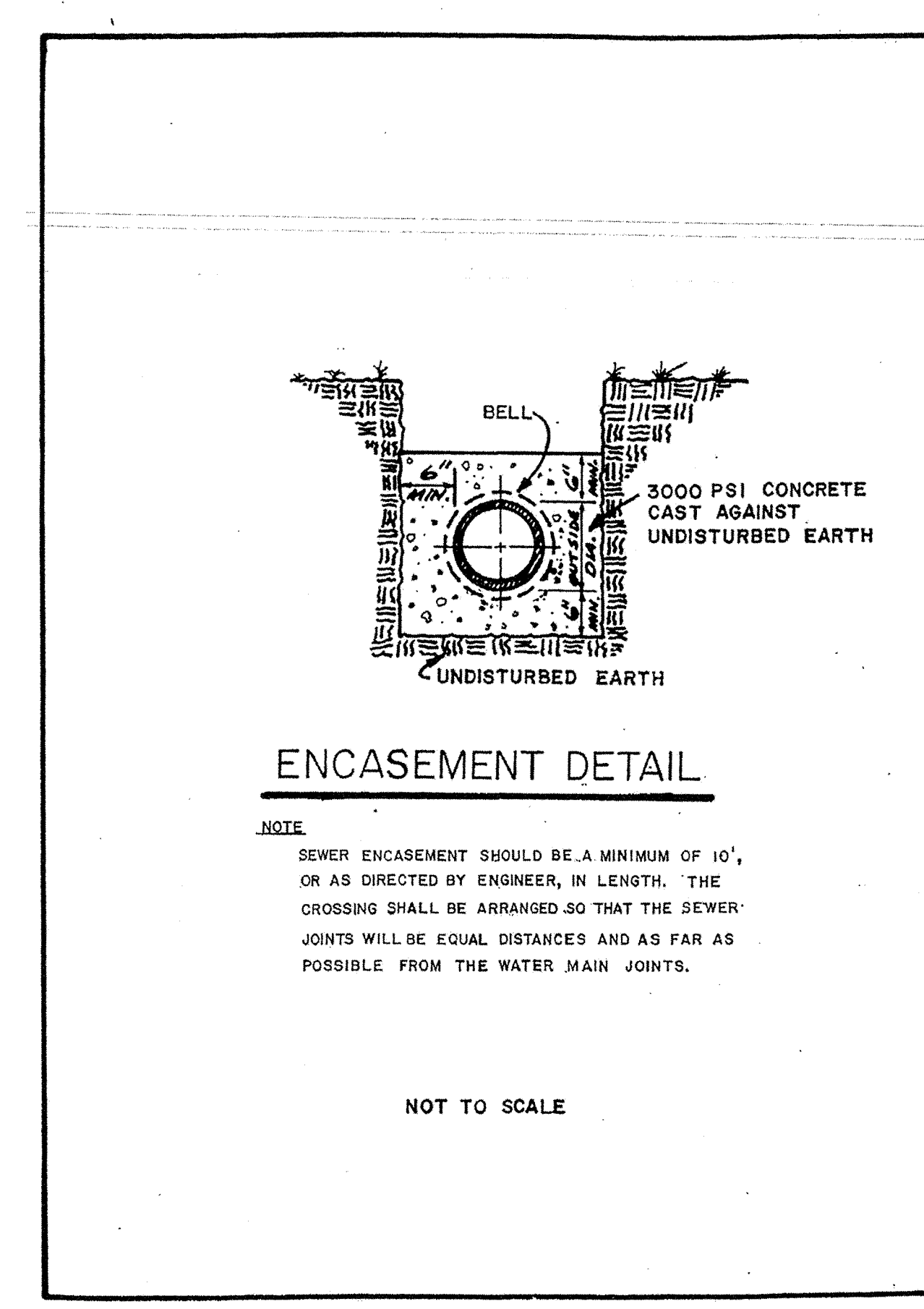
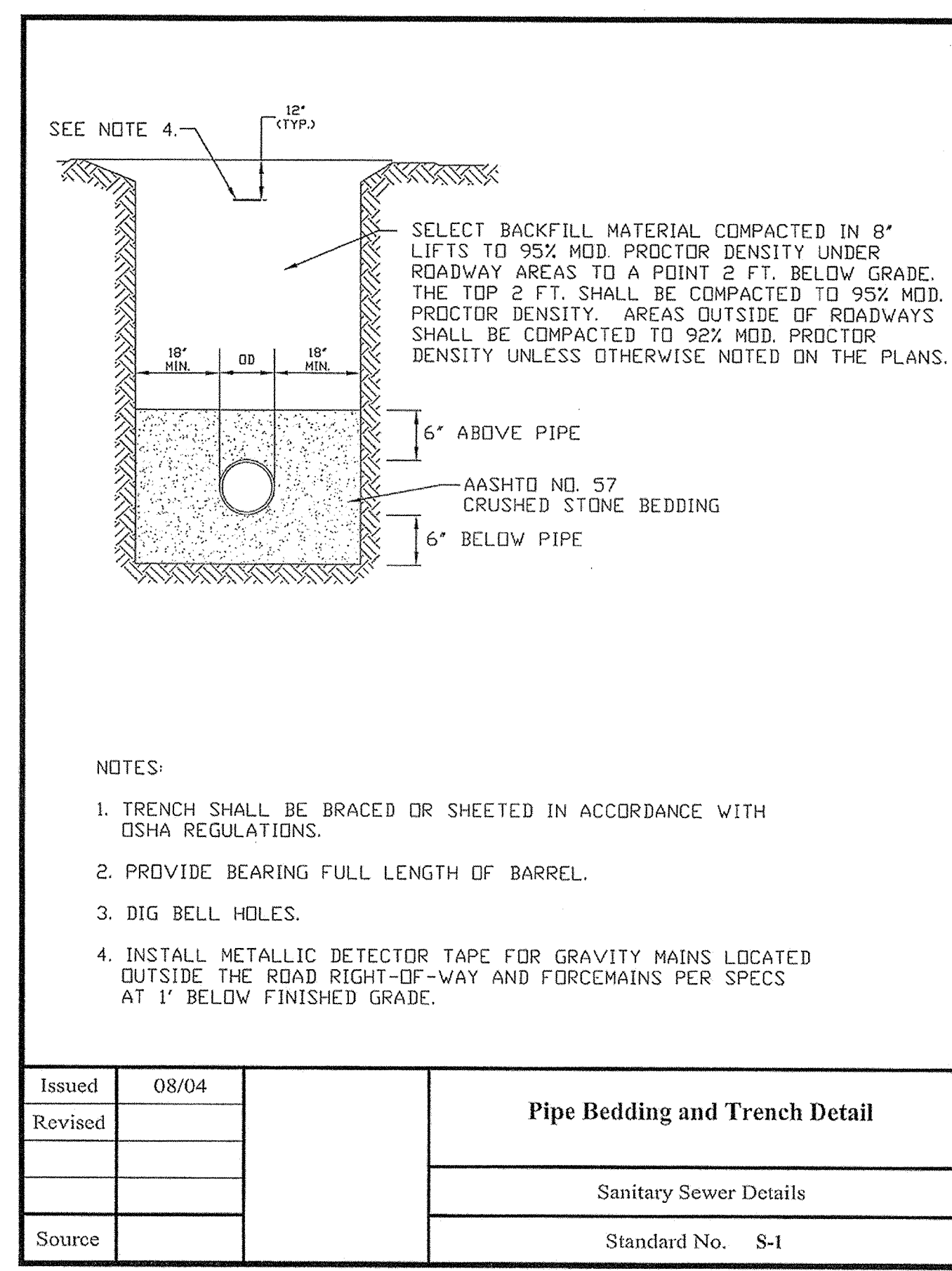
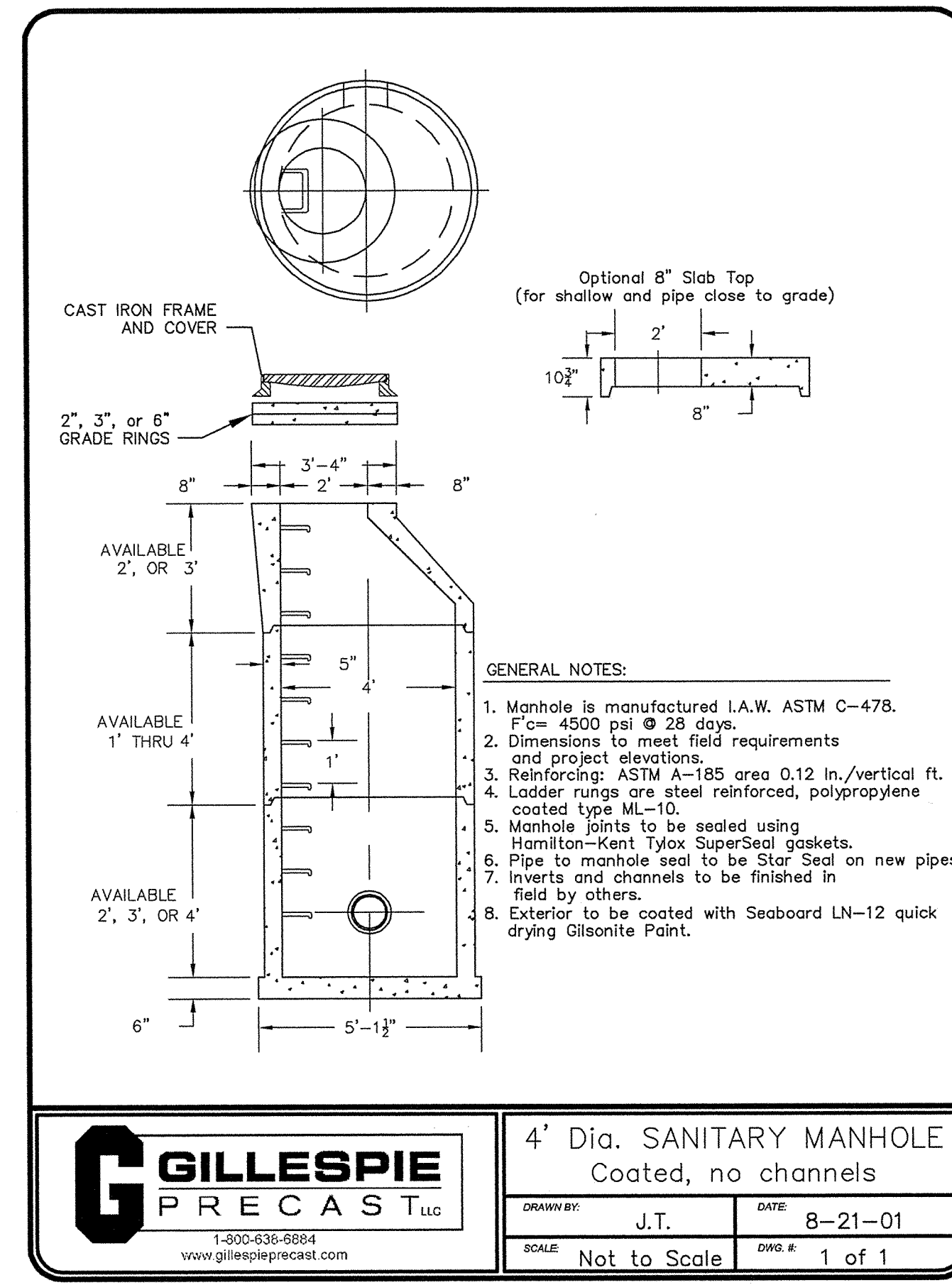
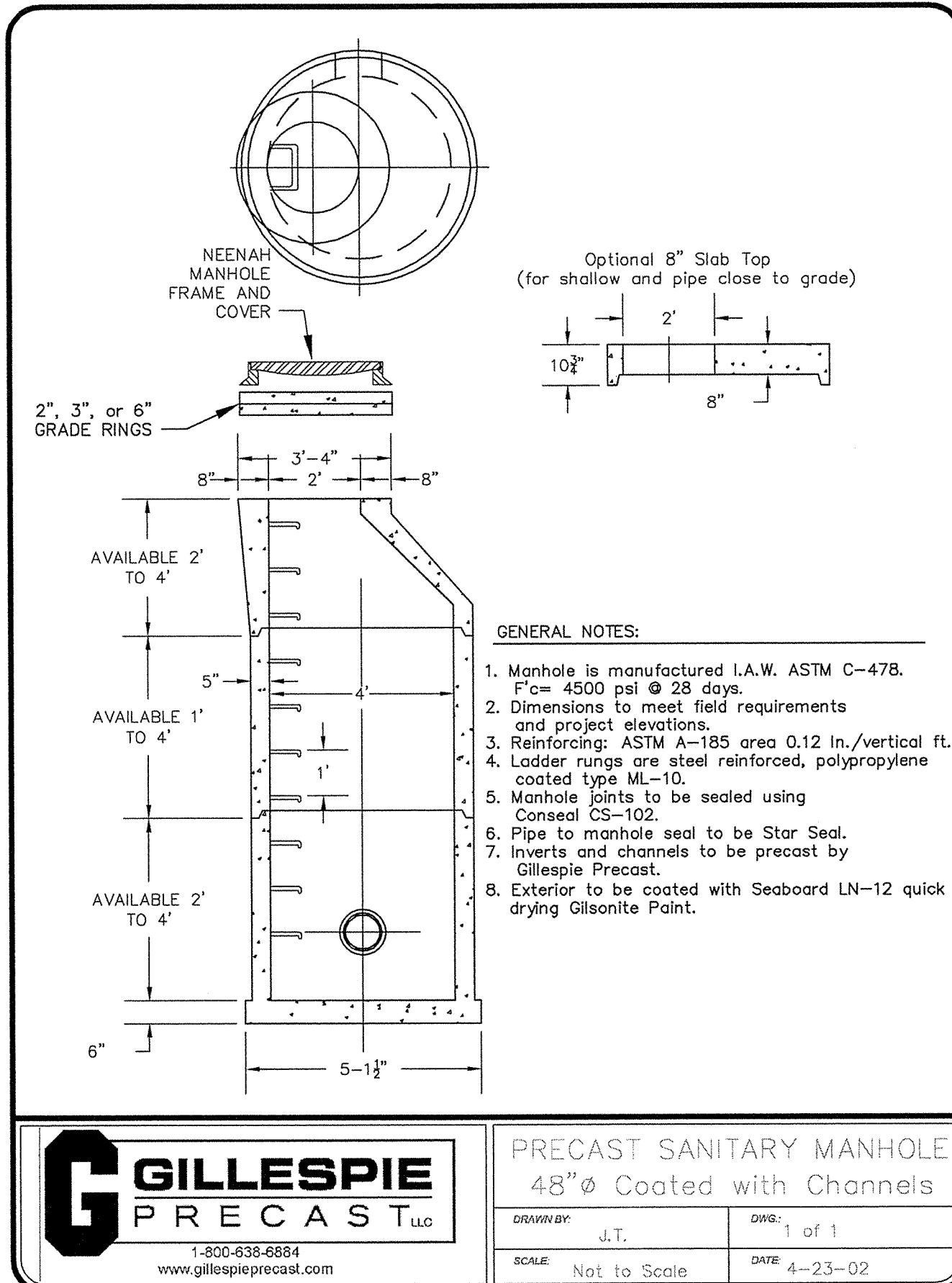
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- BID PACK - A 6-27-12
- ISSUED FOR BID, BID PACK - A 7-3-12
- ADDENDUM #3 7-23-12
- ADDRESSING DNREC COMMENTS 7-23-12

PROJECT:
WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:
PUMP STATION PLAN - PUMP STATION #3

DWN. BY: JRG
CHK. BY: LL
PROJECT NUMBER: 11109
DATE: 7-23-12
DRAWING NUMBER:
SCALE: AS SHOWN
PS-003



CONSULTANTS:

KCI TECHNOLOGIES, INC.

1100 N. MARKET ST. SUITE 1000
WILMINGTON, DE 19804

CDA ENGINEERING INC.

CIVIL/SITE ENGINEERING AND LAND PLANNING

6 LARCH AVENUE SUITE 401
WILMINGTON, DE 19804

TEL: 302-998-9232
FAX: 302-991-1314
cdengineering.com

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- ADDENDUM #3 7-23-12
- ADDRESSING DNREC COMMENTS 7-23-12

Fearn Clendaniel Architects

6 Larch Avenue • Suite 368 • Wilmington, Delaware 19804
Ph. 302-998-7615 • Fax. 302-998-7685
www.fearnclendaniel.net

PROJECT:

WOODBRIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL

Woodbridge Road
SUSSEX COUNTY, DE

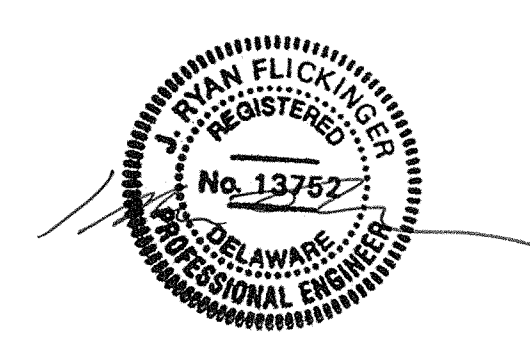
DRAWING TITLE: PUMP STATION AND FORCE MAIN DETAILS

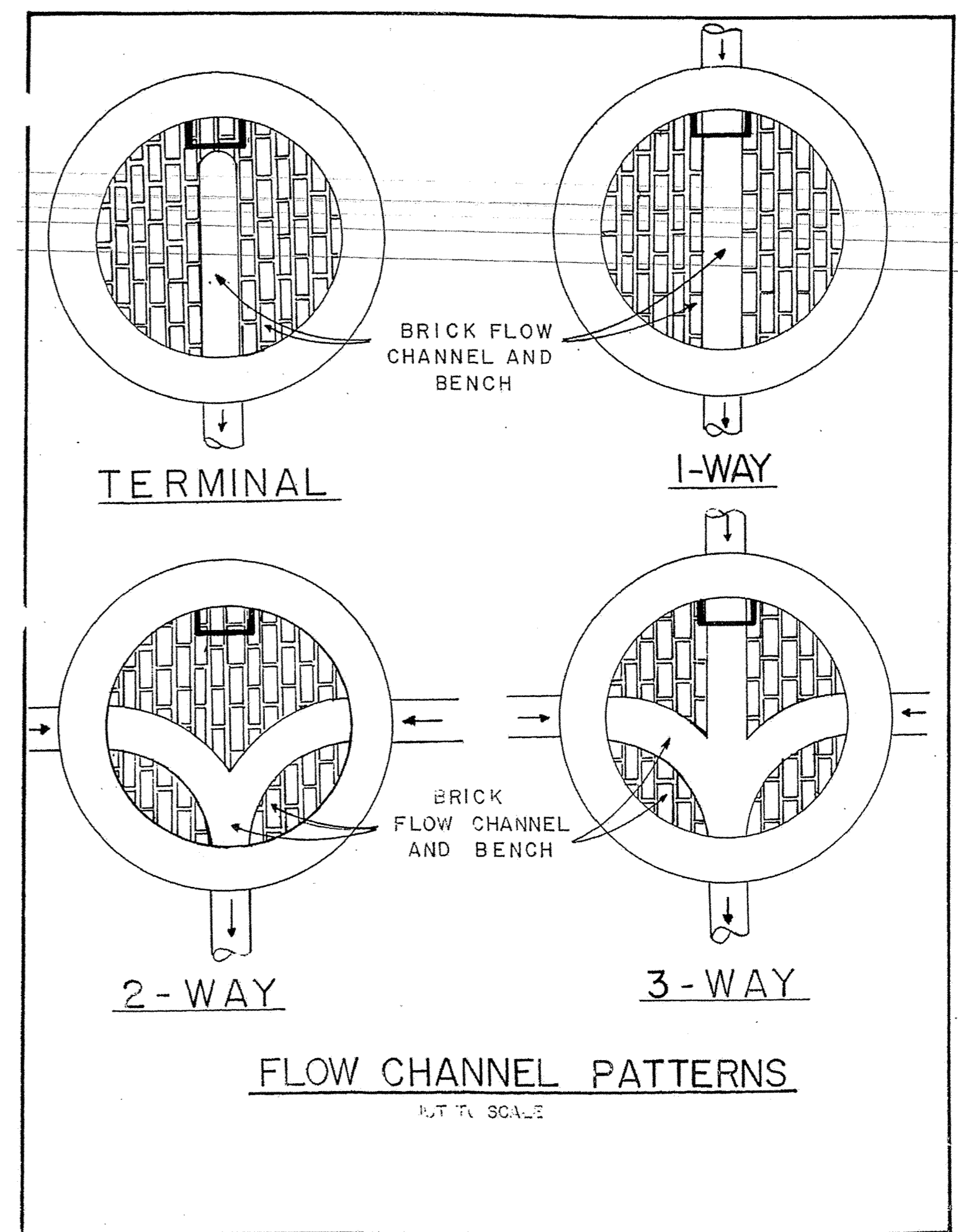
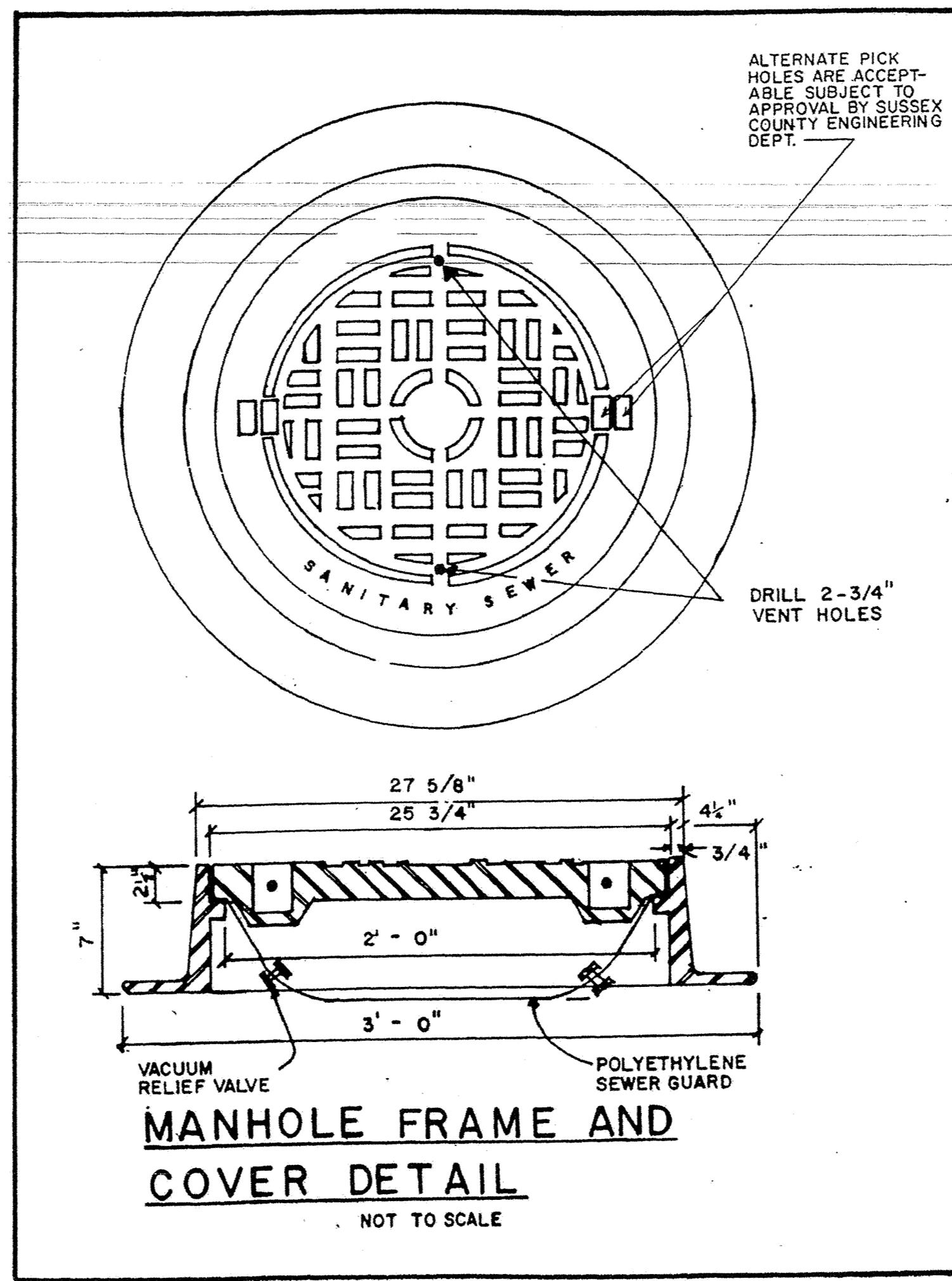
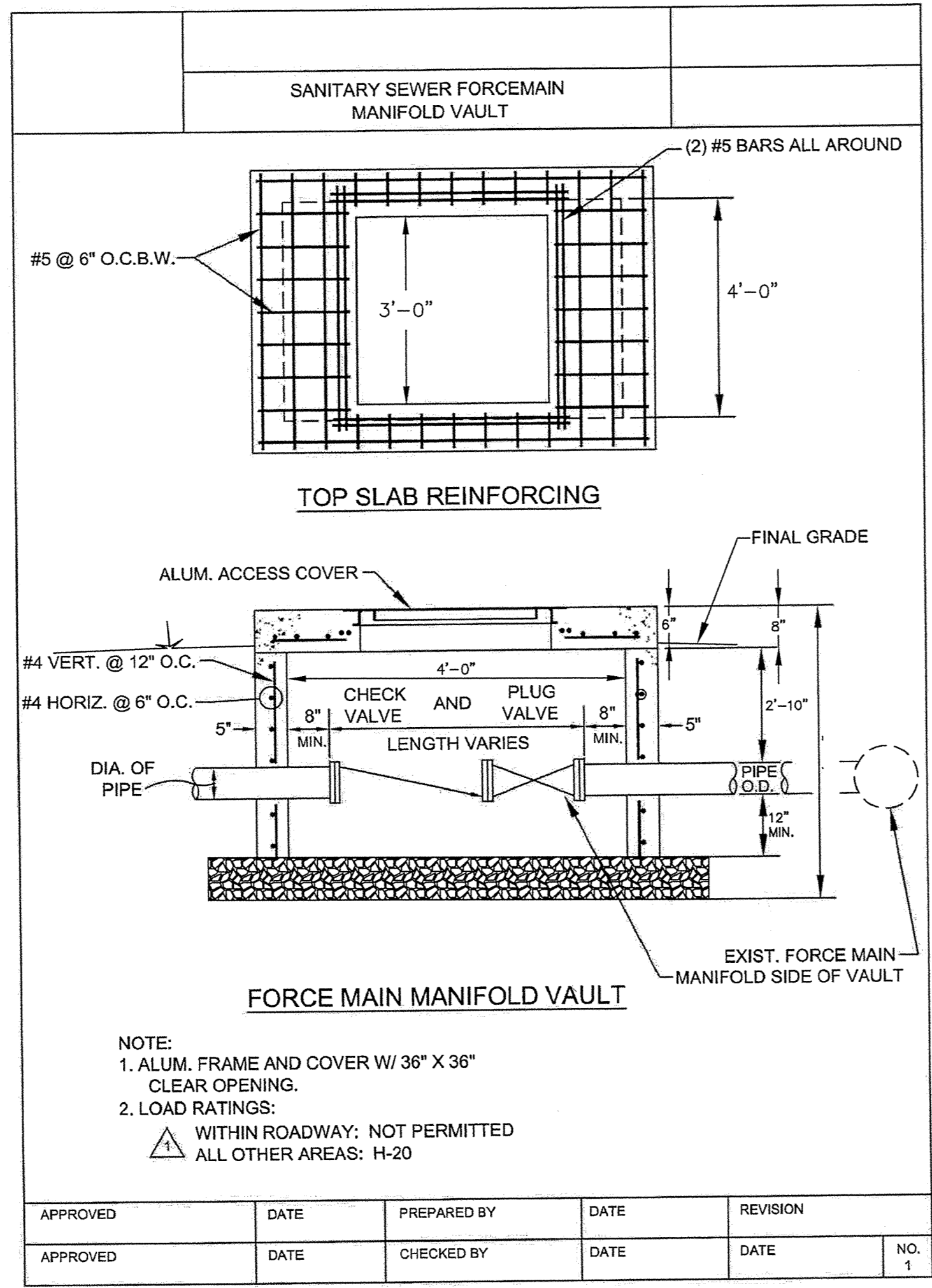
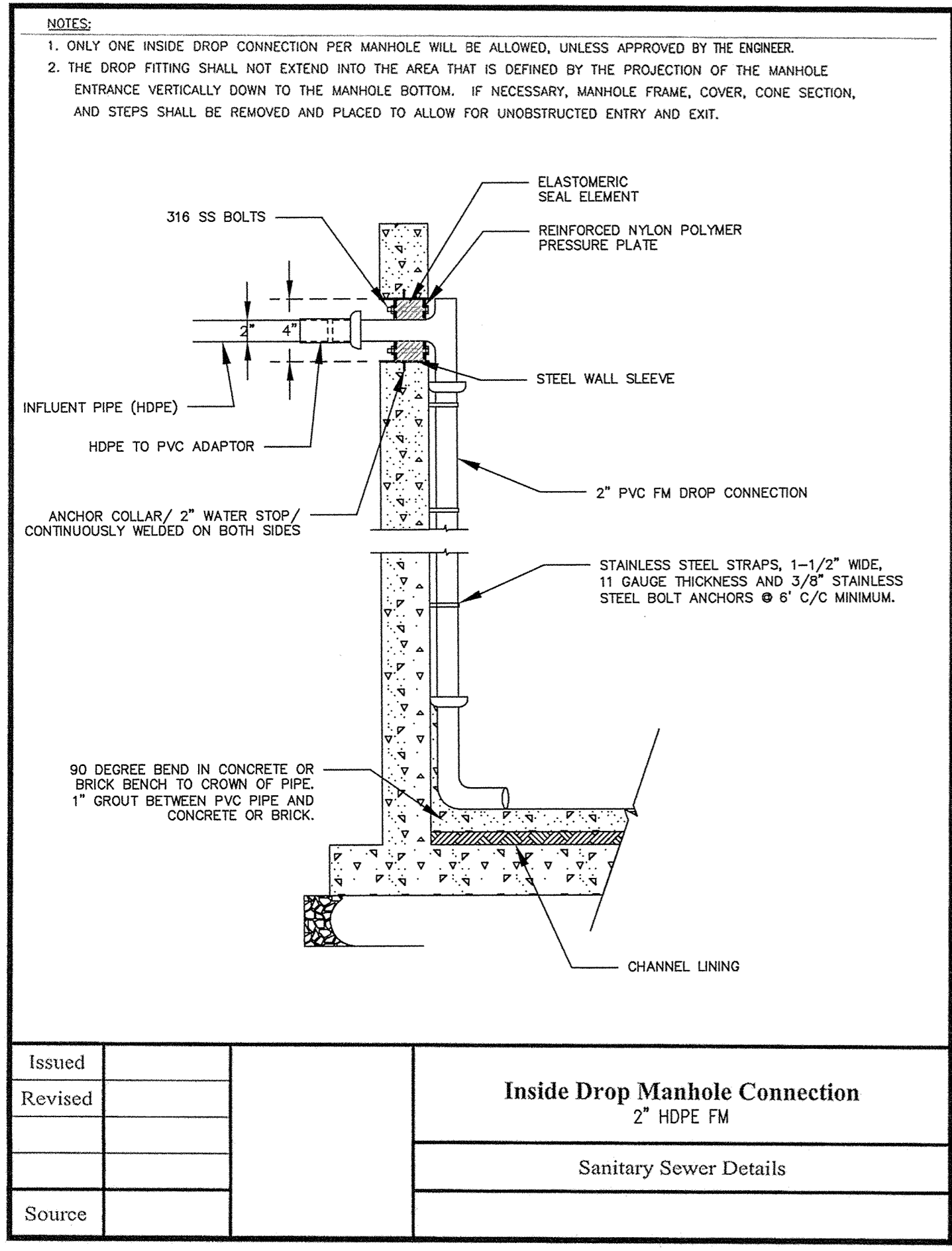
DWN. BY: JRG
CHK. BY: LL

PROJECT NUMBER: 11109

DATE: 7-23-12
DRAWING NUMBER: PS-004

SCALE: AS SHOWN





CONSULTANTS:

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 1302 WILMINGTON BLVD., SUITE 100 - WILMINGTON, DELAWARE 19711
 PHONE: (302) 731-9114 FAX: (302) 731-7807 EMAIL: kci@kci.com

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CIVIL/SITE ENGINEERING AND LAND PLANNING
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ISSUED FOR BID, BID PACK - A	7-3-12
ADDENDUM #3	7-23-12
ADDRESSING DNREC COMMENTS	7-23-12

Fearn Clendaniel
Architects

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 Ph. 302-998-7615 • Fax. 302-998-7685
 www.fearnclendaniel.net

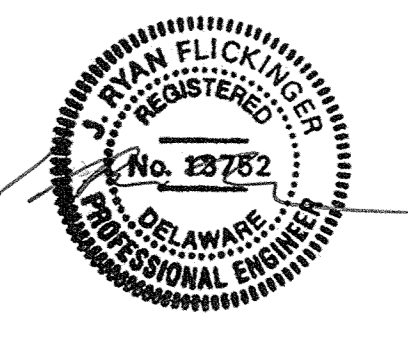
PROJECT:

WOODBIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL

Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE: PUMP STATION AND FORCE MAIN DETAILS

DWN. BY:	CHK. BY:	PROJECT NUMBER:
JRG	LL	11109
DATE:	DRAWING NUMBER:	
7-23-12	PS-005	
SCALE:	AS SHOWN	



DRAWING NOTES:
(APPLY TO THIS DRAWING ONLY)

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- ② THIS BLOCK WILL NOT PRINT UNTIL EXPLODED.
- ③ PLEASE KEEP ON LAYER DEPOINTS.
- ④
- ⑤
- ⑥
- ⑦

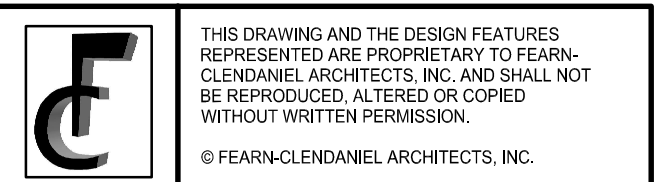
CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-734-7400 F: 302-734-7592

MECHANICAL ENGINEER
GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306
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EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306



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2. BID PACK A (90% SUBMISSION)	06-14-12
3. BID PACK A (NOT FOR CONSTRUCTION)	06-27-12
4. BID PACK A (ISSUED FOR BID)	07-03-12
5. BID PACK A (ISSUED FOR BIDDING)	07-03-12
6. ADDENDUM #3	07-23-12



Gipe Associates, Inc.
Consulting Engineers
8719 Brooks Drive
Easton, Maryland 21601
Ph: 410.822.8688
Fax: 410.822.6306
W.O.# 11156

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Ph: 302-998-7615 Fax: 302-998-7685
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PROJECT

WOODBRIDGE SCHOOL DISTRICT
WOODBRIDGE HIGH SCHOOL
Woodbridge Road

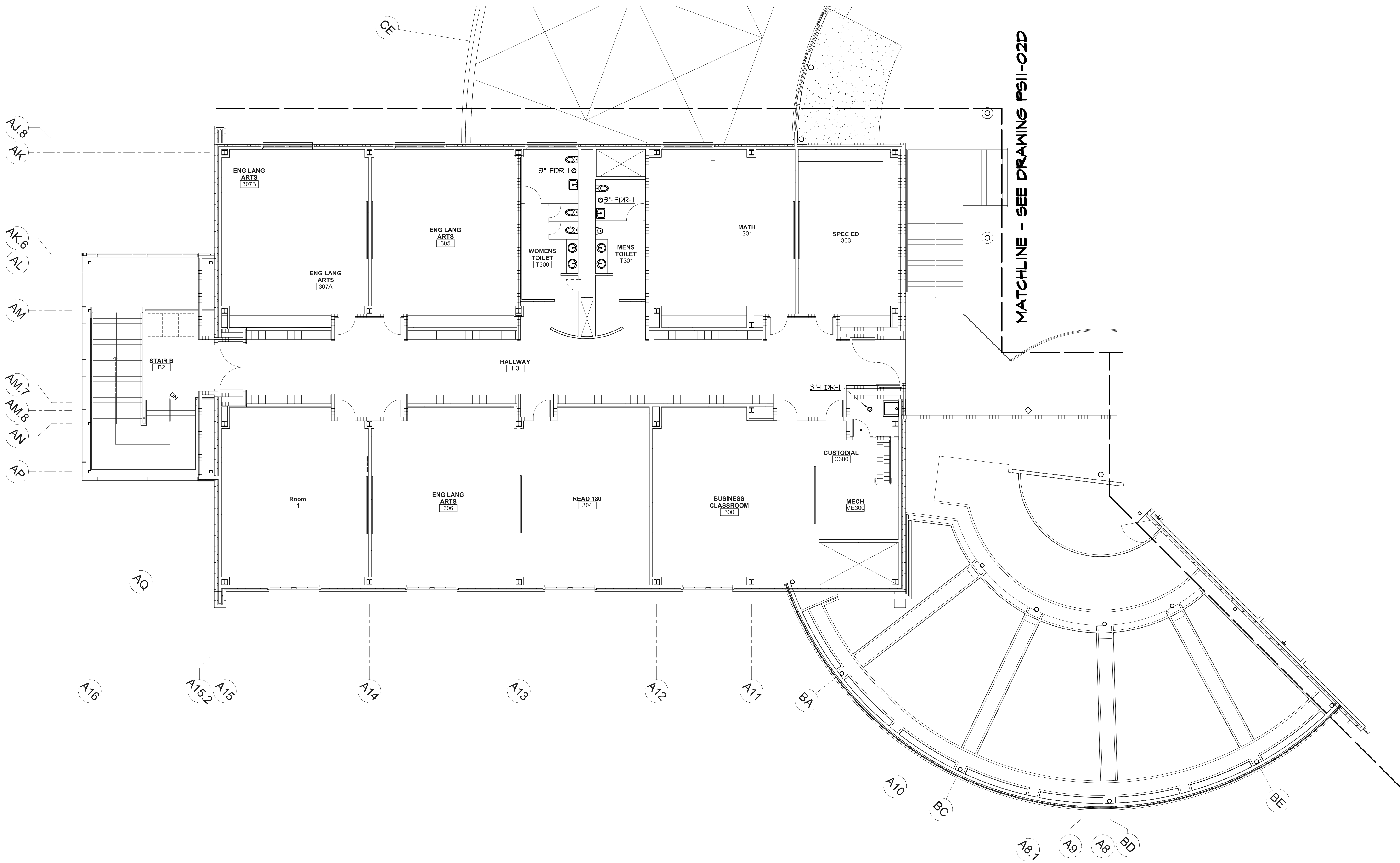
DRAWING TITLE:

PARTIAL SECOND FLOOR PLAN
AREA C - SANITARY

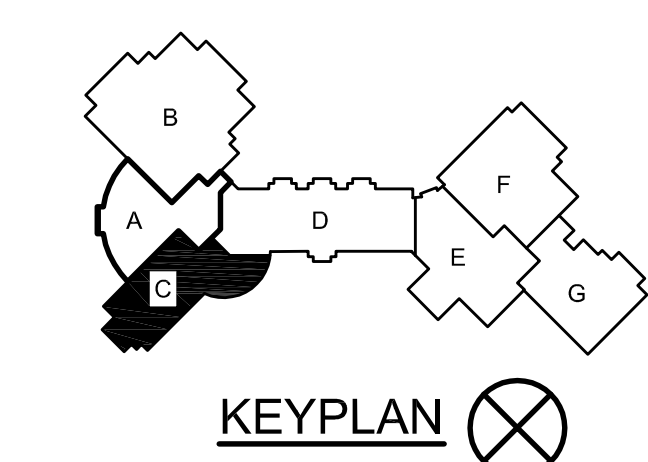
DWN BY: KGG CHK BY: DRH PROJ. NUMBER: 11156

DATE: 07-03-12 DRAWING NUMBER:

SCALE: 1/8" = 1'-0" **PS11-02C**



① PARTIAL SECOND FLOOR PLAN - AREA C - SANITARY
1/8" = 1'-0"
SCALE: 1/8" = 1'-0"



DRAWING NOTES:
(APPLY TO THIS DRAWING ONLY)

- ① THIS IS A BLANK SET OF DRAWING NOTES.
- ② THIS BLOCK WILL NOT PRINT UNTIL EXPLODED.
- ③ PLEASE KEEP ON LAYER DEPOINTS.
- ④
- ⑤
- ⑥
- ⑦

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CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

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BAKER INGRAM ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
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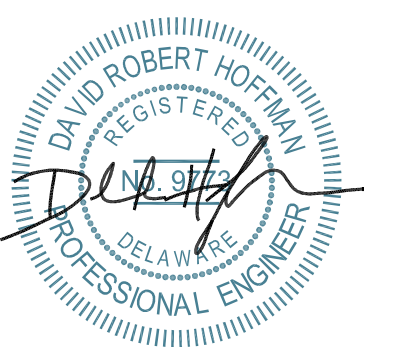
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8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306
W.O.# 11156

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GIPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306

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5. BID PACK A (ISSUED FOR BIDDING)	07-03-12
6. ADDENDUM #3	07-23-12



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Consulting Engineers
8719 Brooks Drive
Easton, Maryland 21601
Ph: 410.822.8688
Fax: 410.822.6306
W.O.# 11156

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Ph: 302-998-7615 Fax: 302-998-7685
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PROJECT

WOODBRIDGE SCHOOL DISTRICT
WOODBRIDGE HIGH SCHOOL
Woodbridge Road

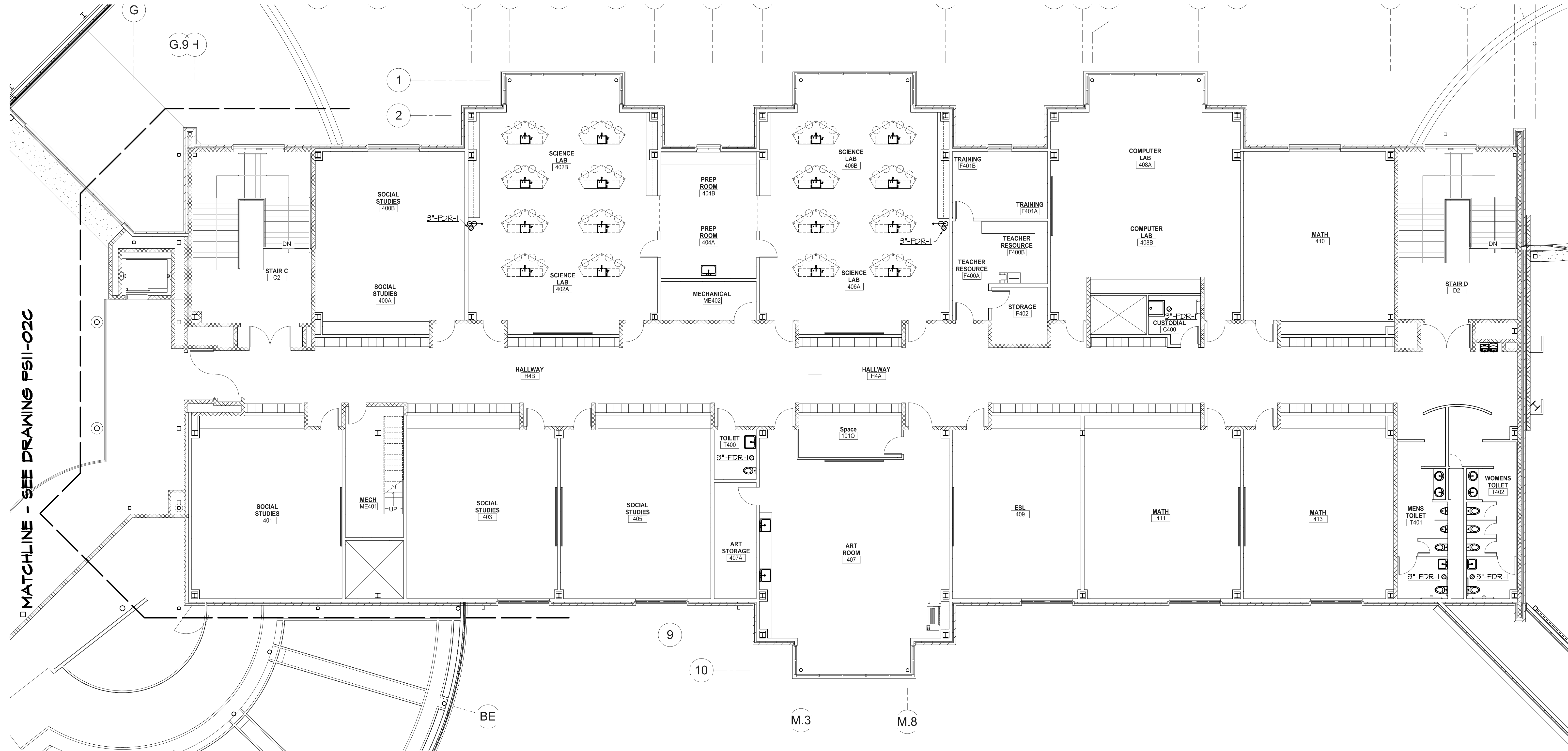
DRAWING TITLE:

PARTIAL SECOND FLOOR PLAN
AREA D - SANITARY

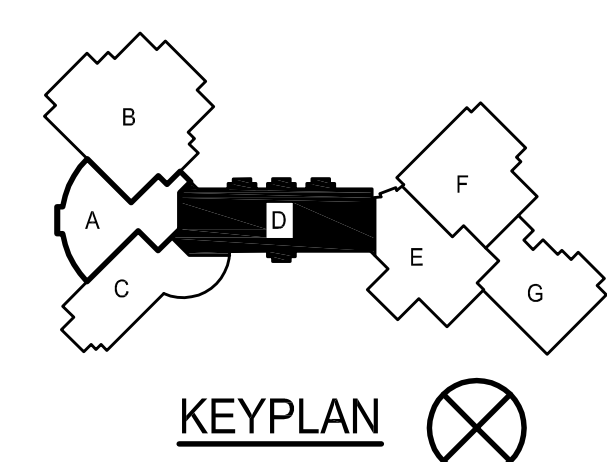
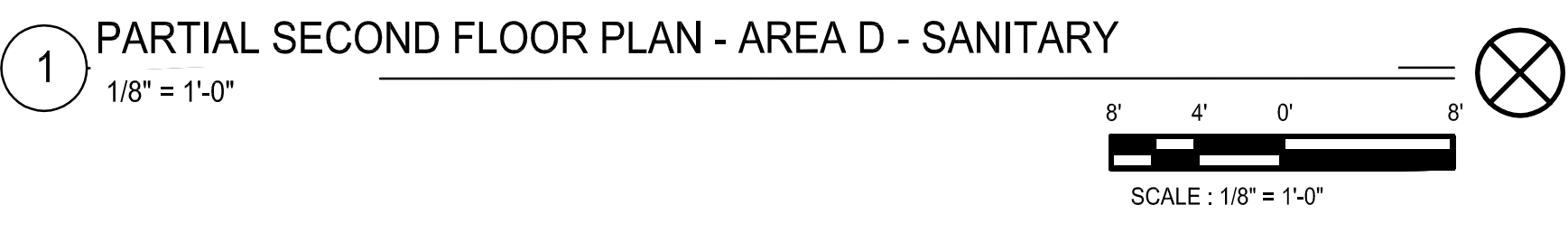
DWN BY: **KGK** CHK BY: **DRH** PROJ. NUMBER: **11156**

DATE: **07-03-12** DRAWING NUMBER: **PS11-02D**

SCALE: **1/8" = 1'-0"**



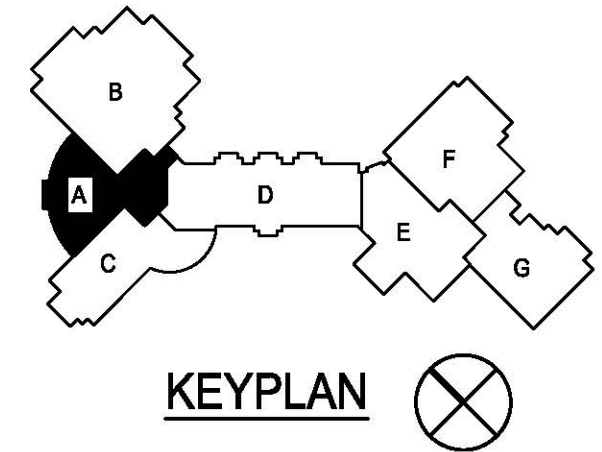
MATCHLINE - SEE DRAWING PS11-02C



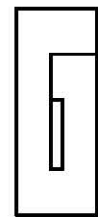
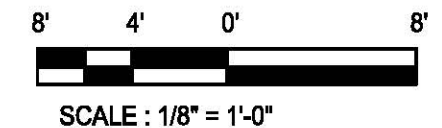


1 PARTIAL FIRST FLOOR PLAN - AREA A - SANITARY 
 1/8" = 1'-0"

 REVISE TO INDICATE STORMWATER PIPE THROUGH SLAB PENETRATION AND CLEANOUT.



KEYPLAN 



Gipe Associates, Inc.
 Consulting Engineers

8719 Brooks Drive
 Easton, Maryland 21601
 Ph. 410.822.8688
 Fax 410.822.6306

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6 Larch Avenue Suite 398 • Wilmington, Delaware 19804
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PROJECT:
WOODBIDGE HIGH SCHOOL

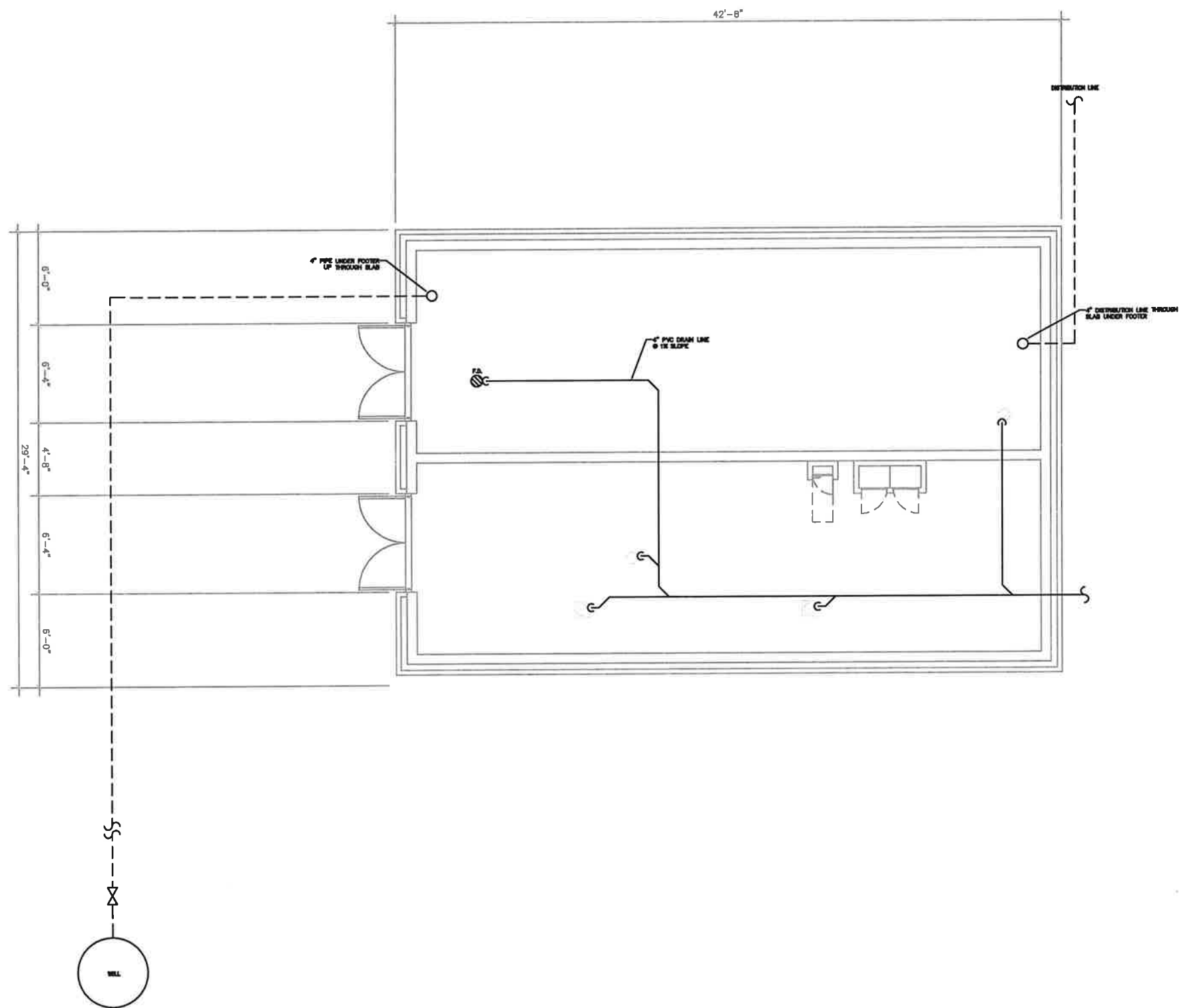
SKETCH NO.
P-SK-01
 Addendum No.3

SCALE:
 AS NOTED

PROJ.NO.:
 11109

DATE:
 07-23-12





PLAN VIEW
SCALE: 1" = 3'

CONSULTANTS:

KCI TECHNOLOGIES, INC.

CDA

CIVIL/SITE ENGINEERING AND LAND PLANNING
6 LARCH AVENUE TEL: 302-866-6202
SUITE 401 FAX: 302-861-1214
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Issued BPA,
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Ph 302-998-7615 • Fax 302-998-7685
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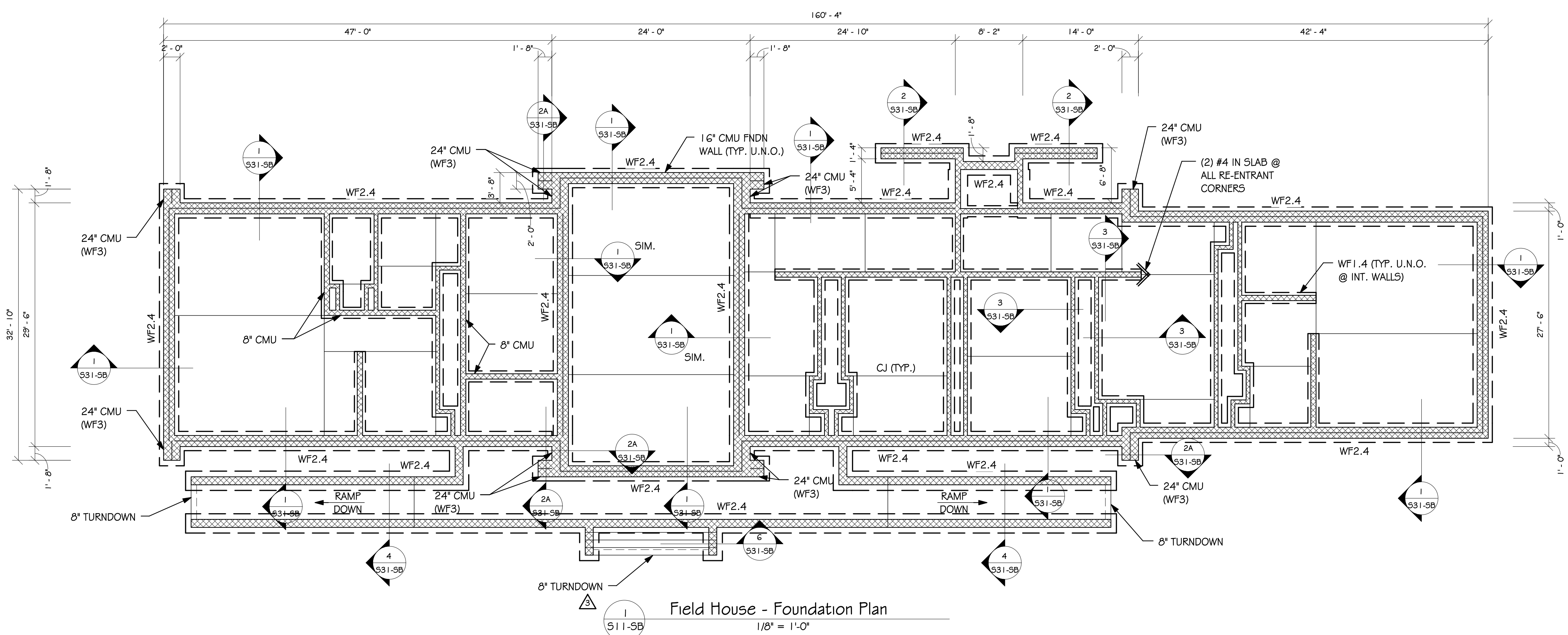
PROJECT:

WOODBIDGE SCHOOL DISTRICT
NEW HIGH SCHOOL
Woodbridge Road
SUSSEX COUNTY, DE

DRAWING TITLE:

WELLHOUSE PLUMBING PLAN

OWN. BY:	CHK. BY:	PROJECT NUMBER:
LD		11109
DATE:	DRAWING NUMBER:	
7-23-12		
SCALE:	PWH10-01	
AS SHOWN		



Field House - Foundation Plan
1/8" = 1'-0"

FOOTING SCHEDULE			
MARK	SIZE	THICK.	REINFORCING
WF1.4	1'-4" x CONT.	1'-0"	2 #4 LONGIT #4 @ 48" TRANSV.
WF2.4	2'-4" x CONT.	1'-0"	3 #5 LONGIT #4 @ 48" TRANSV.
WF3	3'-0" x CONT.	1'-0"	4 #4 LONGIT #4 @ 48" TRANSV.

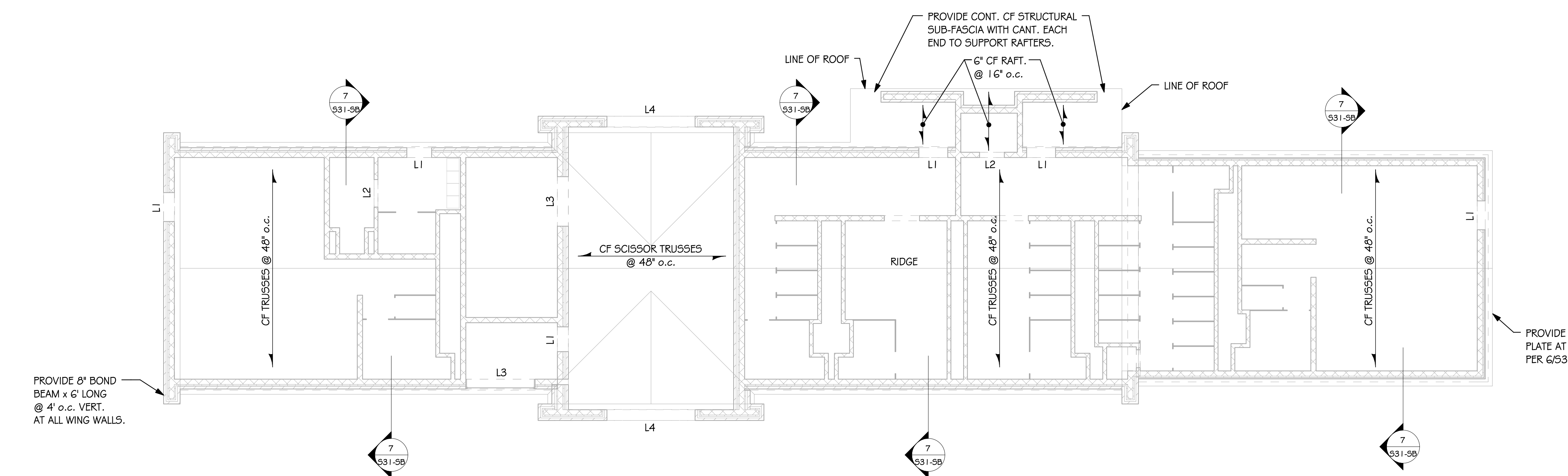
NOTE:
ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF, TO BE VERIFIED IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

FOUNDATION & FIRST FLOOR PLAN NOTES:

- FIRST FLOOR REFERENCE ELEVATION = 0'-0".
- ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:
- FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, U.N.O.:
FLOOR SLAB T/SLAB (0'-0") - U.N.O.
EXTERIOR FTGS T/FTG 1'-2" U.N.O.
- STEP FTGS AS REQD TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOT. OF FTG. COORD. W/ CIVIL.
- STEP FOOTING @ PIPES CROSSING WALLS. SEE 'STEP FOOTING AT PIPE CROSSING' AND 'PIPE CROSSING BELOW WALL FTG TYP. DETAILS. CONTR. TO COORD. W/ ALL MEP DRAWINGS.
- INTERIOR FTGS T/FTG 1'-2" U.N.O.
- FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:
- # FOOTING MARK - SEE SCHEDULE
- COORDINATE WITH ARCH., MECH., ELEC. AND PLUMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS & EQUIPMENT PADS, ETC.
- REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN.
- REF. TO STRUCTURAL NOTES DRAWINGS S10-00 & S10-01.
- REF. TO TYPICAL DETAILS ON DRAWING S31-01 + S32-06.
- REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF. TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE. CONTRACTOR TO COORDINATE.
- TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" STONE LAYER. REINF. W/ WWF 6x6-W2, 1xW2, 1 U.N.O. SEE SPECS FOR VAPOR BARRIER. SLOPE SLABS TO DRAINS AS REQD COORD. W/ MEP.

MASONRY REINFORCING NOTES:

- EXTERIOR 8" CMU: REINFORCE WITH #5 VERTICAL @ 32" o.c. IN GROUTED CORES UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.
- REINFORCE ALL INTERIOR CMU WITH #4 @ 48" o.c. UNLESS NOTED OTHERWISE ON PLAN.
- ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE.
- PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL FOR ALL WALLS.
- LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.
- PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU WALLS. AT A MINIMUM, SPACE @ 16" o.c.
- PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE DETAILS.
- SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.
- REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU # MASONRY VENEER.



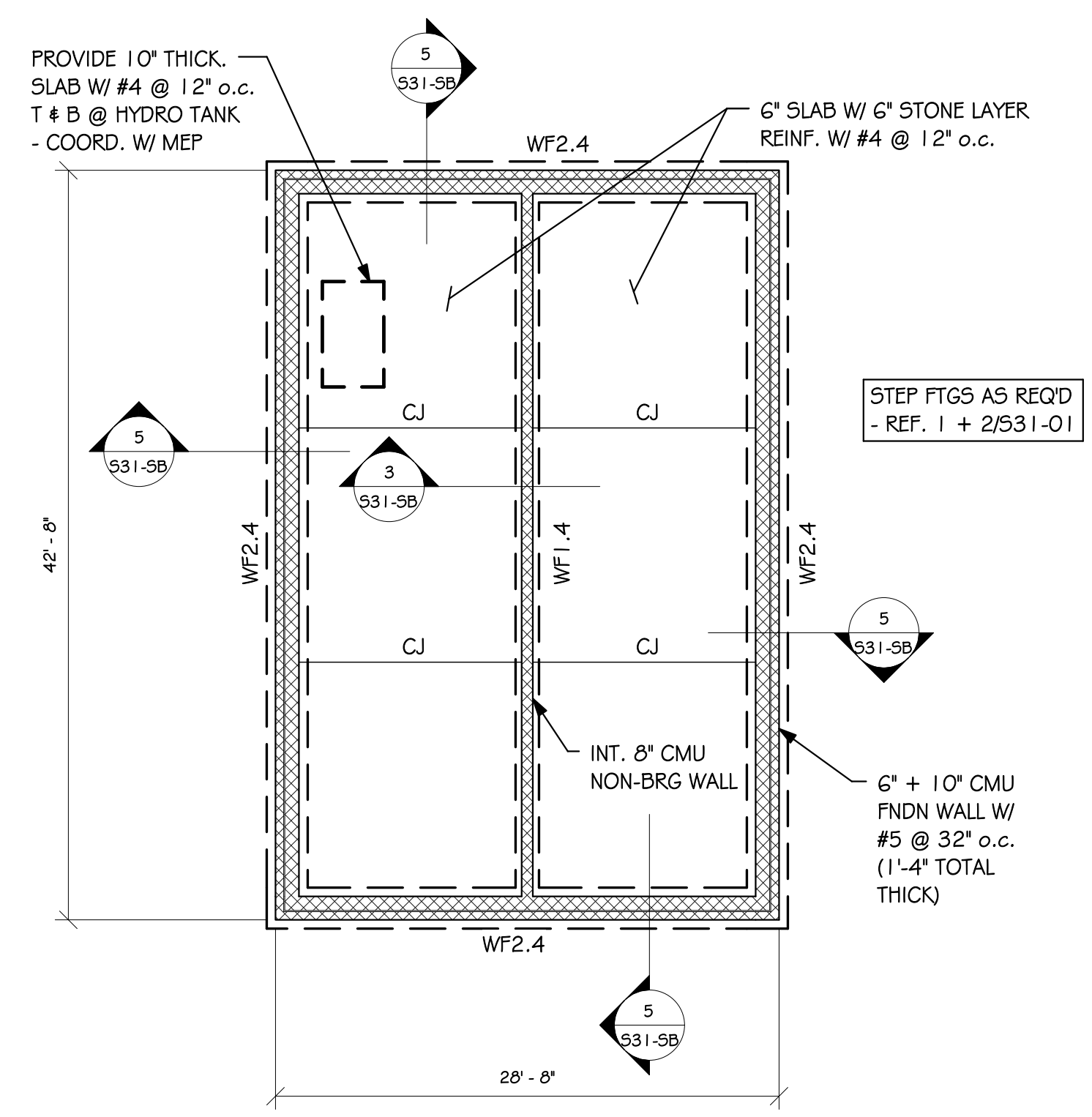
Roof Framing Plan
1/8" = 1'-0"

NOTES:

- PROVIDE 1 1/2" 20 GAUGE GALVANIZED ROOF DECK.
- PROVIDE CONT. BENT PLATE AT ALL LEAVES PER 4/31-SB.

UNTEL SCHEDULE

L1: (2) 4x8 PRECAST WITH (1) #4 IN EACH. PLUS L4x3 1/2x5/16 LLV GALV.
L2: (2) 4x8 PRECAST WITH (1) #4 IN EACH.
L3: (3) 16x3 1/2x5/16 LLV GALV.
L4: (3) 16x3 1/2x5/16 LLV GALV. (LOCATE VENEER ANGLE @ TOP OF ARCH.) PRECAST ARCH UNTEL AT VENEER PER ARCHITECTURAL DRAWINGS.



Well Pump House - Foundation Plan
1/8" = 1'-0"

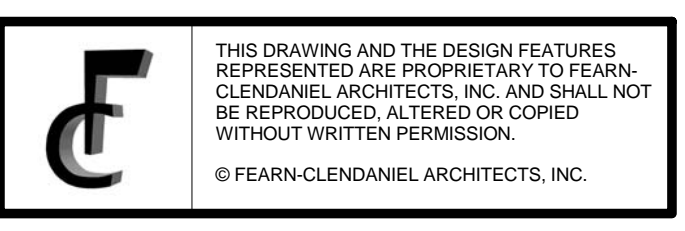
CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE. SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM & ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-743-7400 F: 302-734-7592

MECHANICAL ENGINEER
GPE ASSOCIATES, INC.
8719 BROOKS DRIVE
EASTON, MD 21601
P: 410-822-8688 F: 410-822-6306

ELECTRICAL ENGINEER

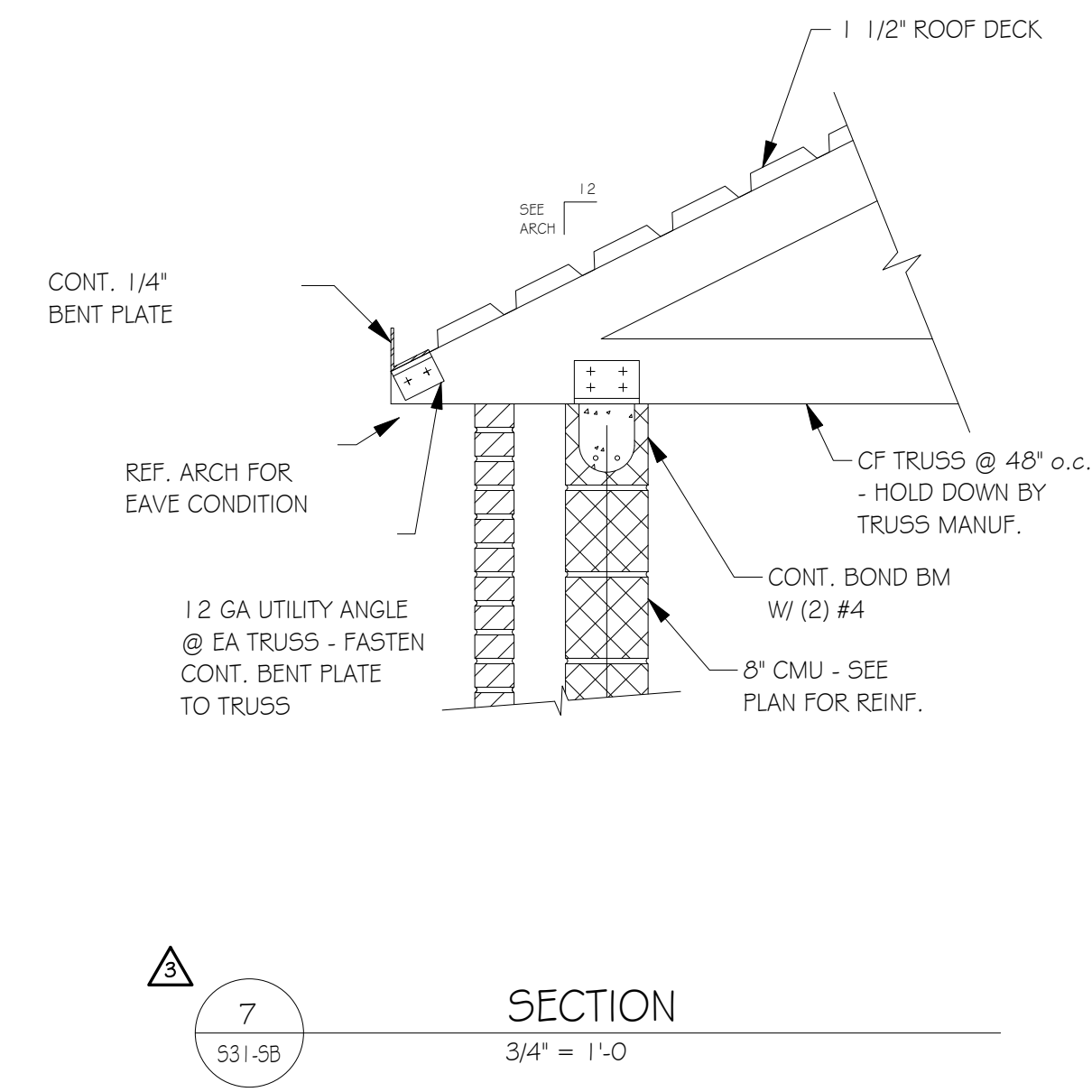
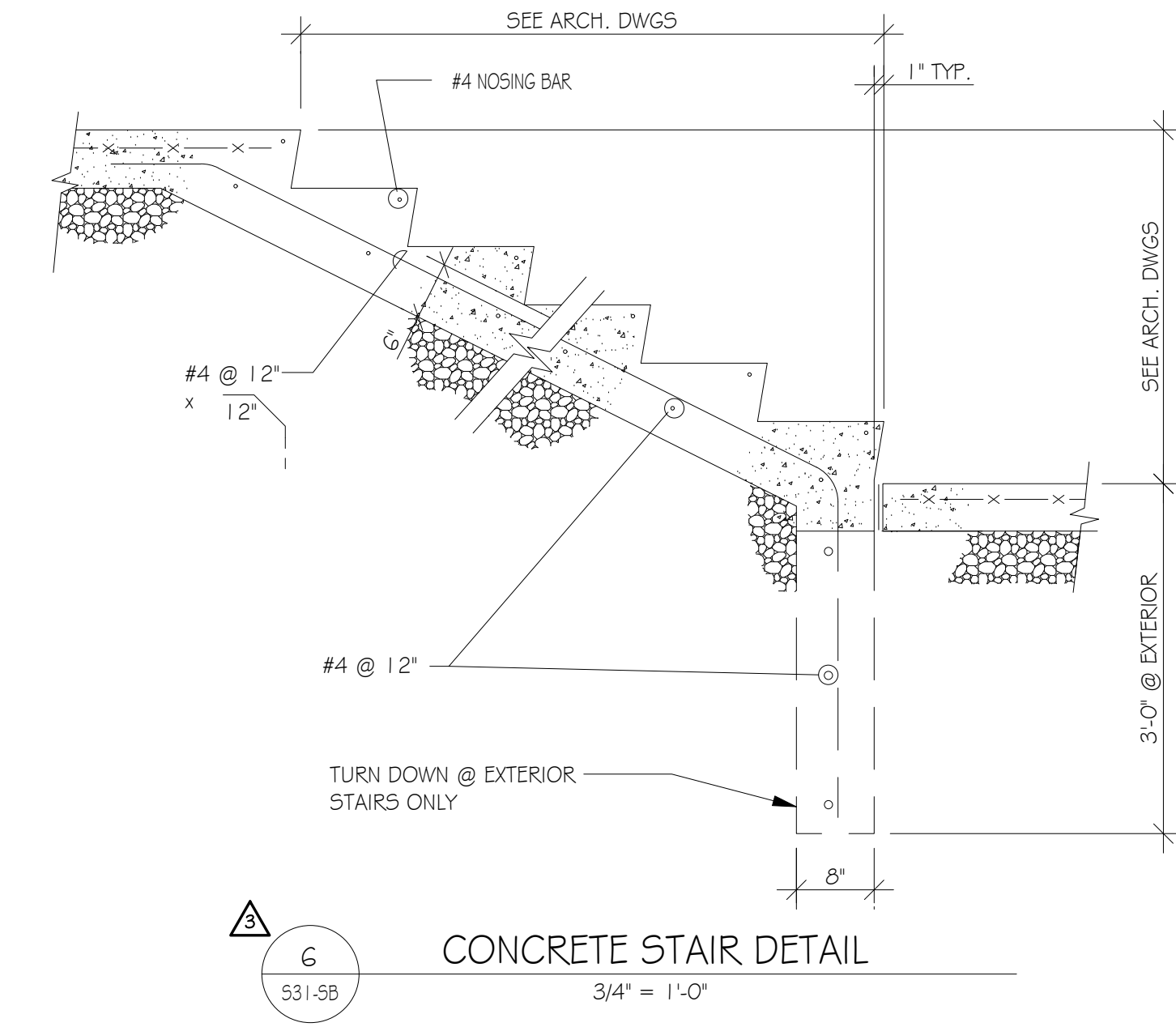
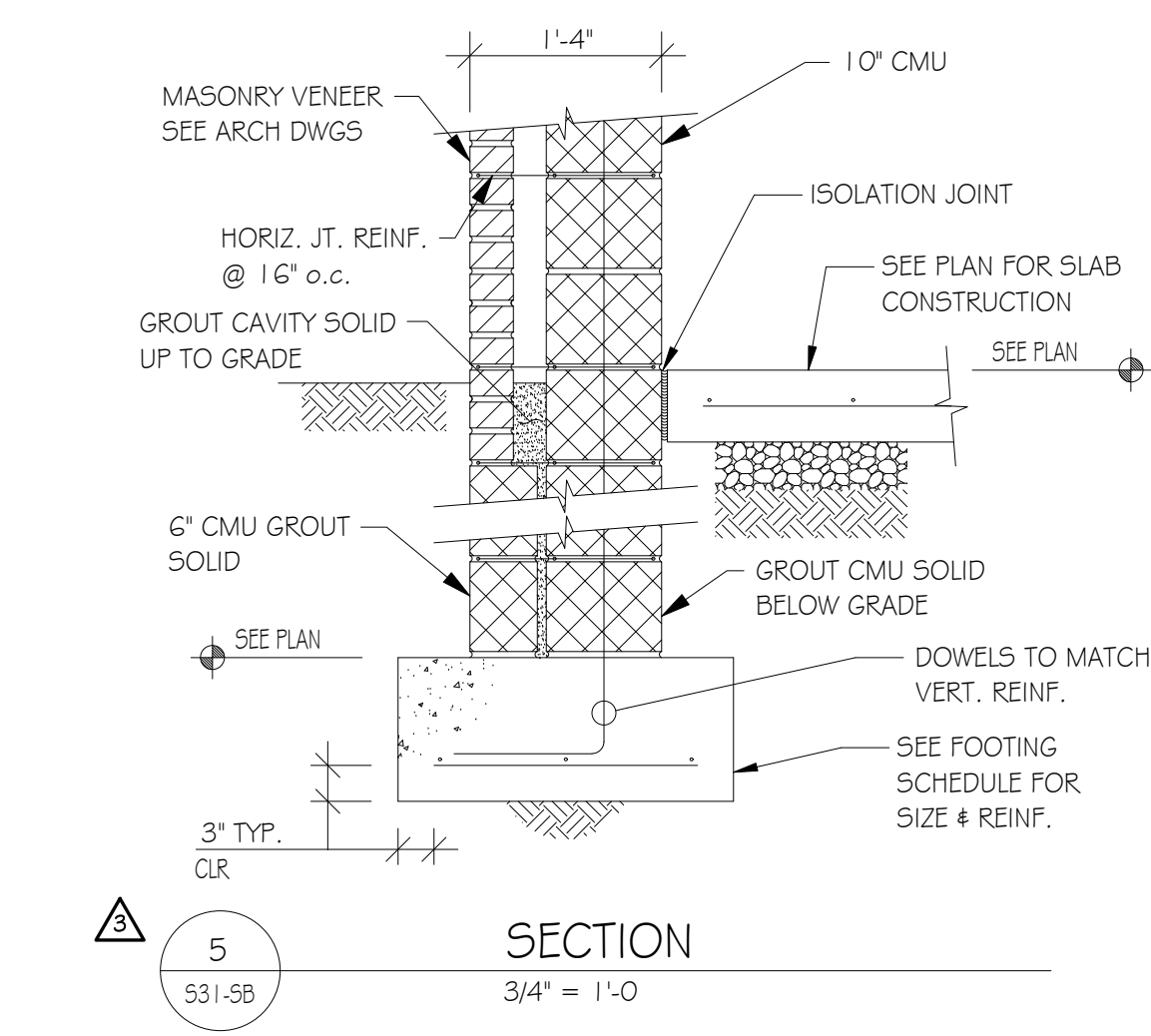
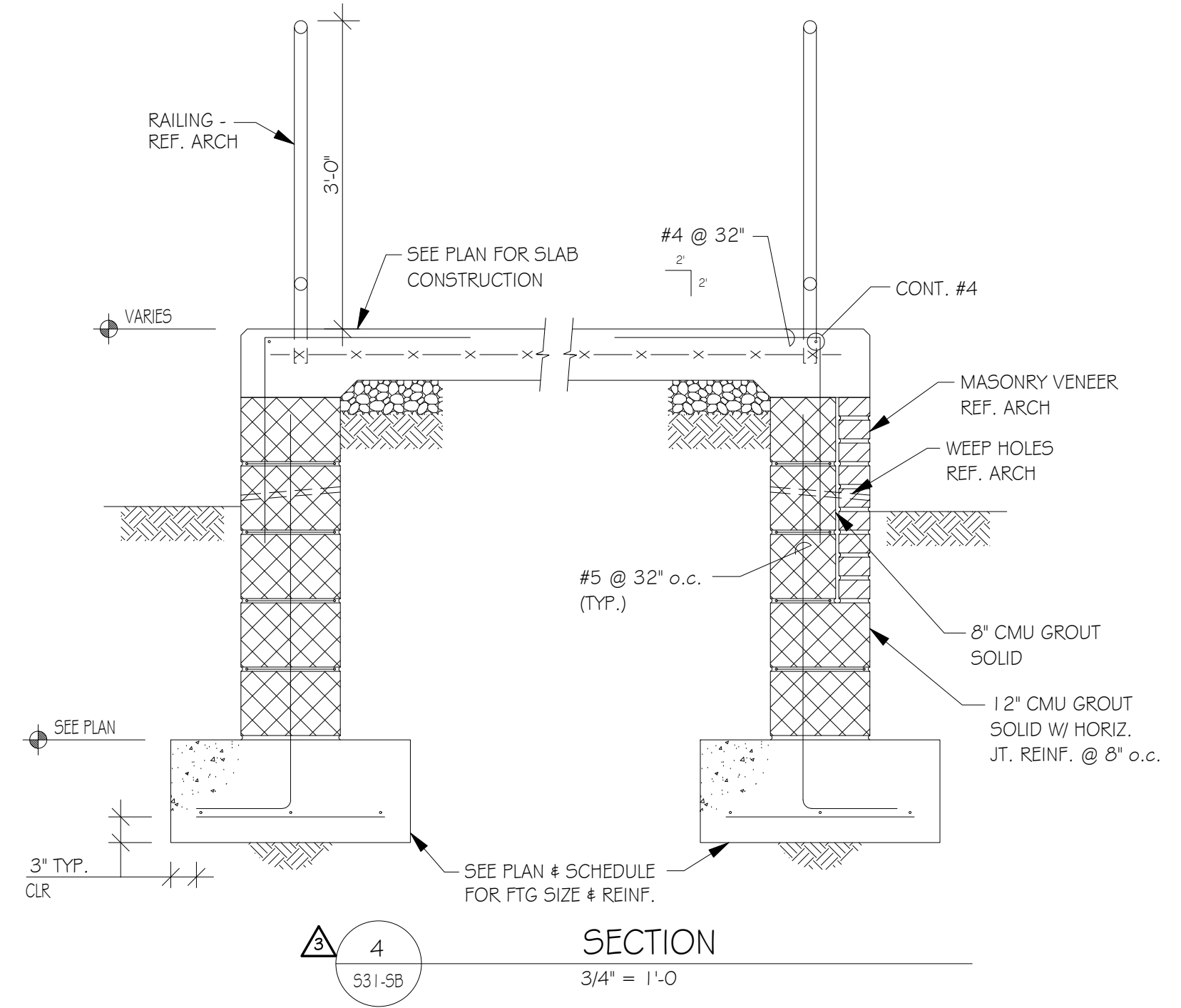
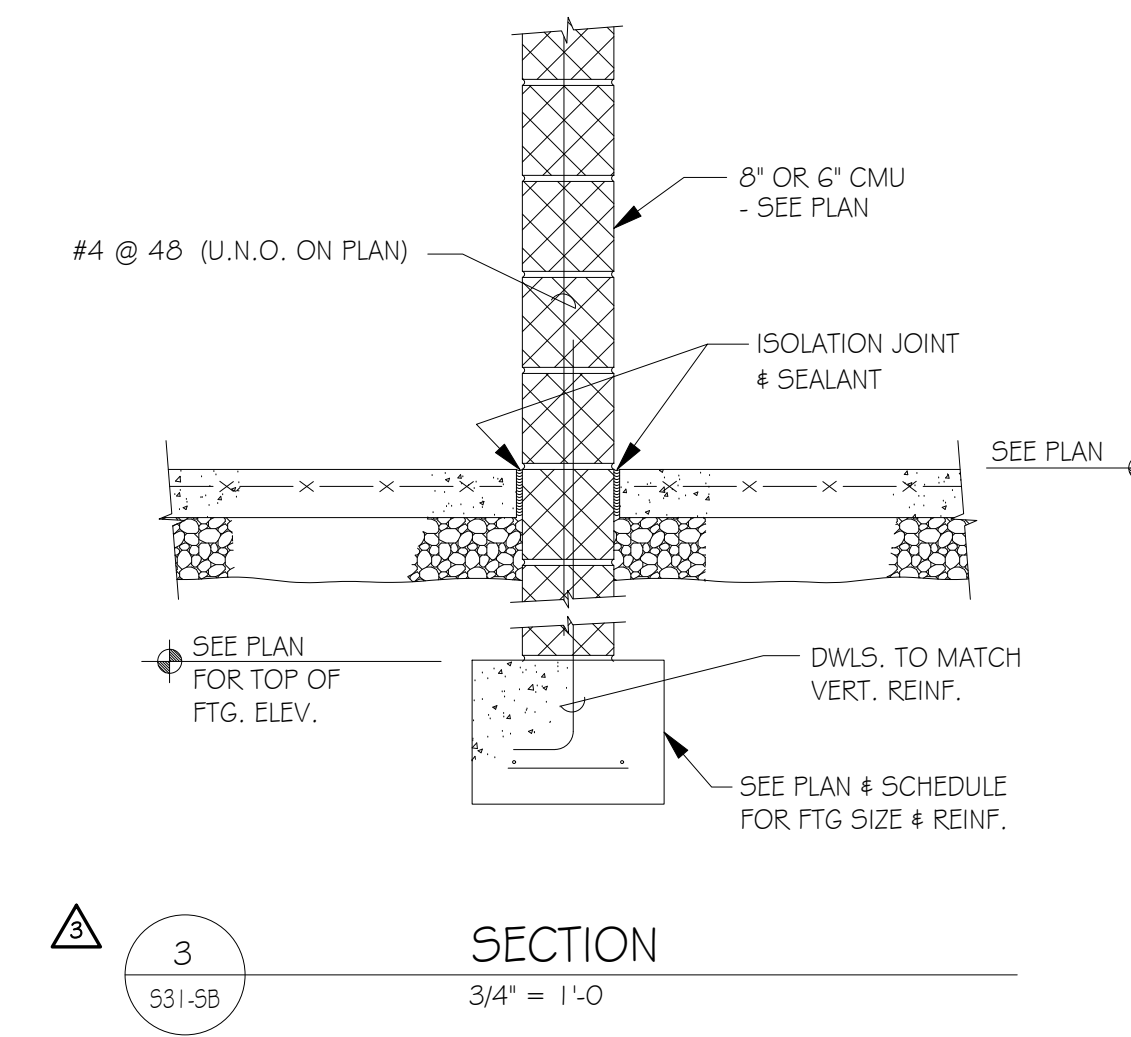
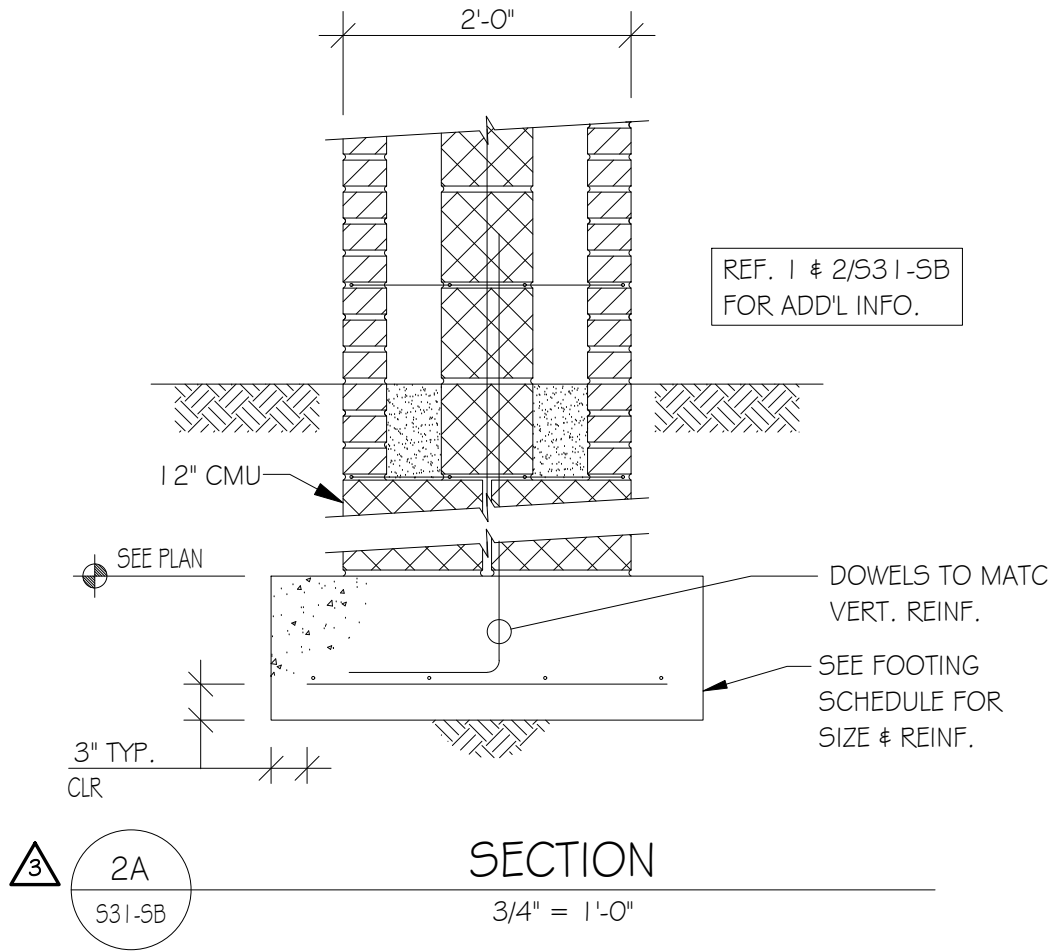
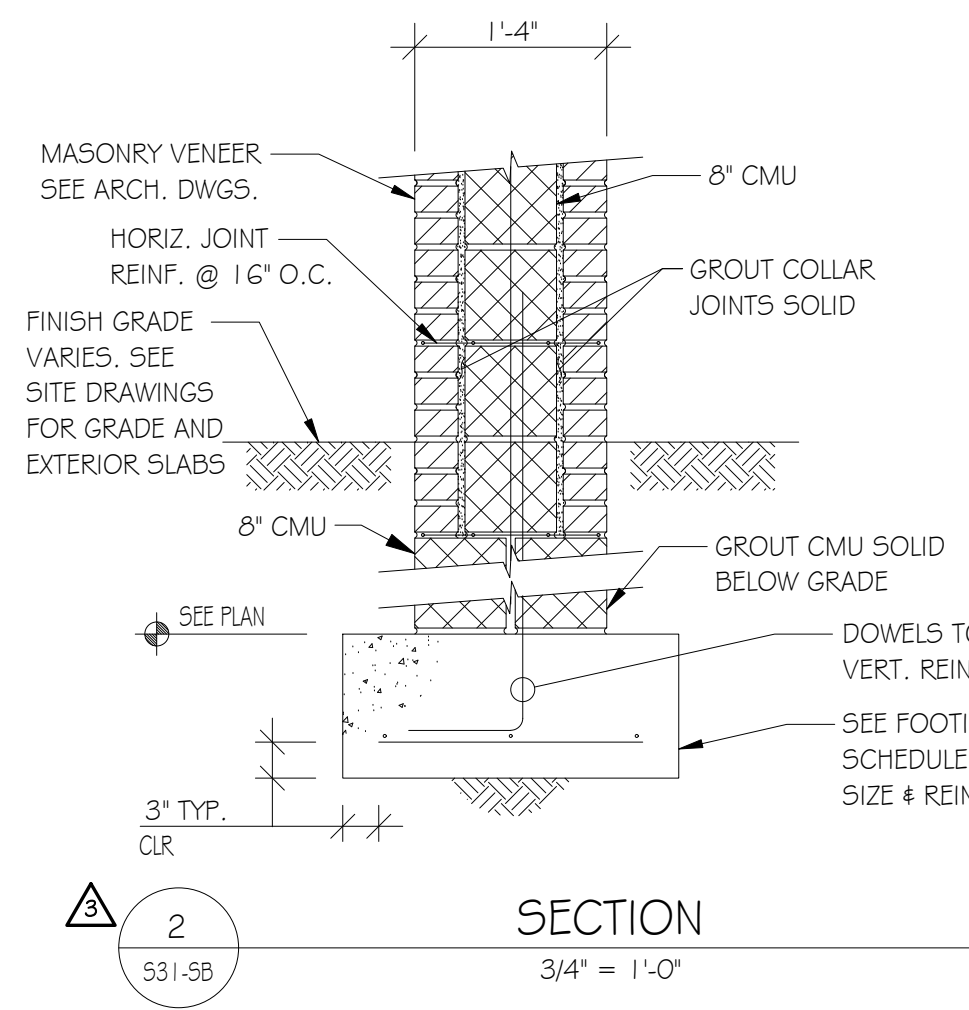
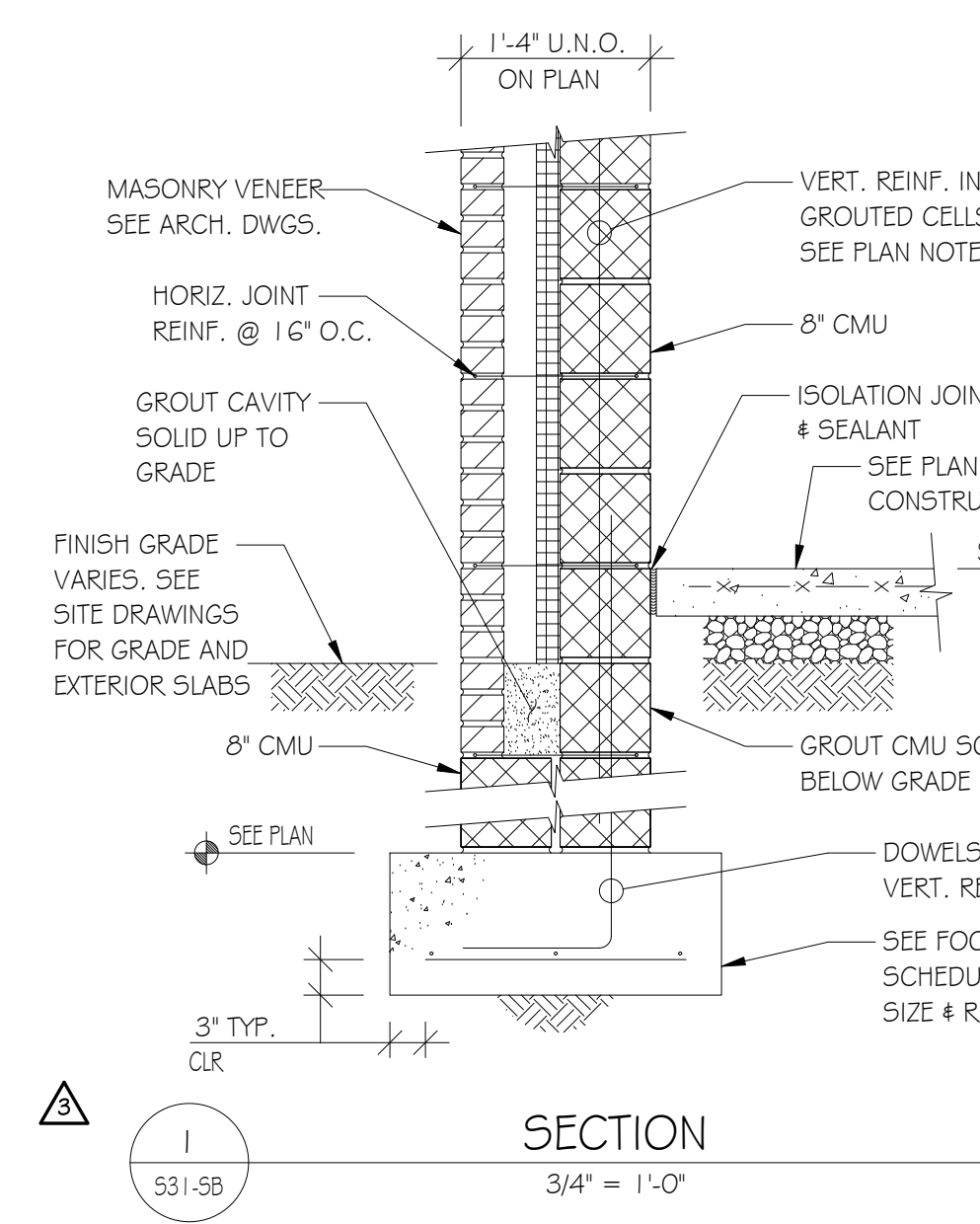


ISSUE DATES:

5	ADDENDUM #3	07-23-12
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6 Larch Avenue Suite 398 Wilmington, Delaware 19804
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PROJECT	
WOODBRIDGE SCHOOL DISTRICT	
WOODBRIDGE HIGH SCHOOL	
Woodbridge Road	
DRAWING TITLE: SUPPORT BUILDINGS - FOUNDATION & ROOF FRAMING PLANS	
DWN BY: AJC	CHK BY: API
DATE: 07-23-12	PROJ. NUMBER: D6932.00
SCALE: 1/8" = 1'-0"	DRAWING NUMBER: S11-SB



CONSULTANTS:

CIVIL ENGINEER
CDA ENGINEERING
6 LARCH AVE, SUITE 401
WILMINGTON, DE 19804
P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER
BAKER INGRAM & ASSOCIATES, INC.
1050 S. STATE STREET
DOVER, DE 19901
P: 302-743-7400 F: 302-734-7592

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8719 BROOKS DRIVE
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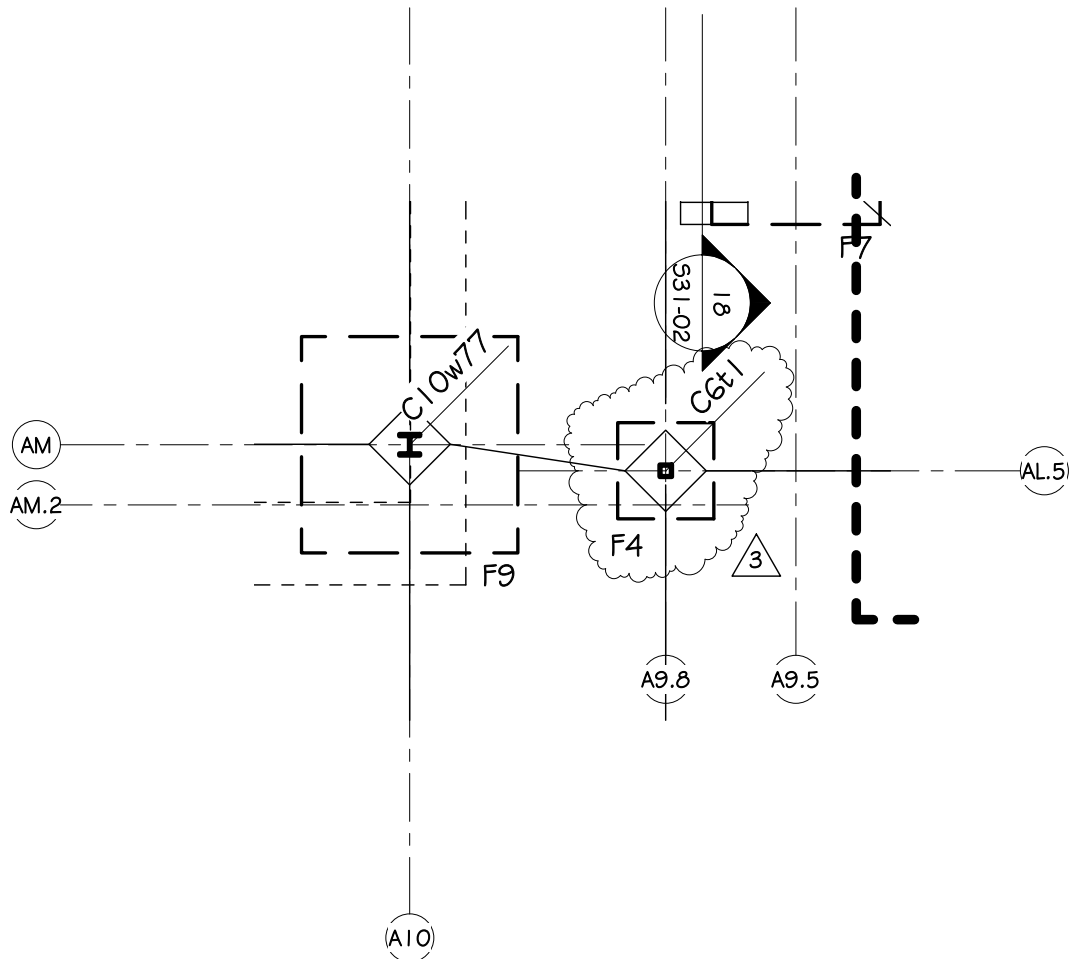
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PROJECT	
WOODBRIDGE SCHOOL DISTRICT	
WOODBRIDGE HIGH SCHOOL	
Woodbridge Road	
DRAWING TITLE:	
SUPPORT BUILDING - DETAILS	
DWN BY: AJC	CHK BY: API
DATE: 07-23-12	PROJ. NUMBER: D6932.00
SCALE:	DRAWING NUMBER: S31-SB



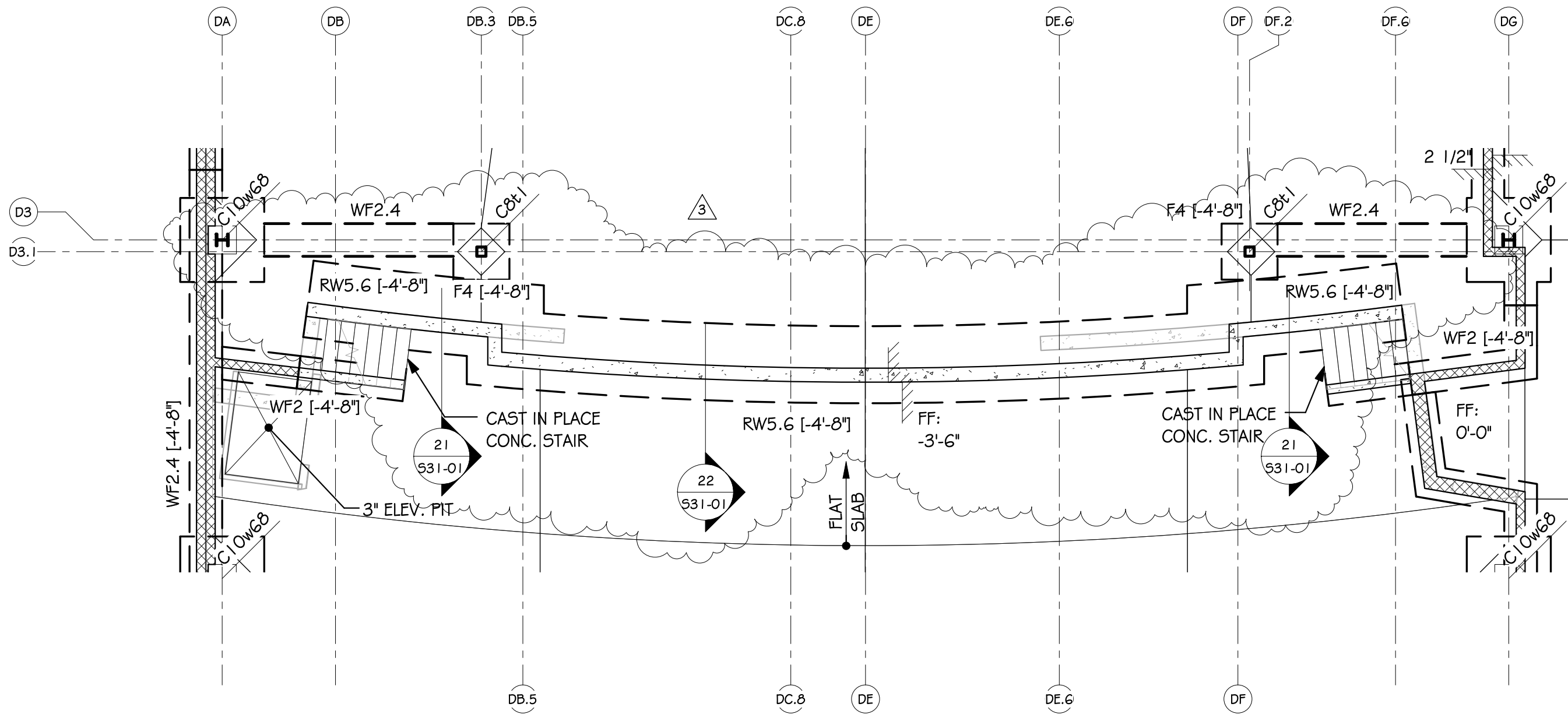
PARTIAL FOUNDATION PLAN -
AREA C

1
S-SK-01

1/8" = 1'-0"

Fearn Clendaniel Architects INC. 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685	PROJECT: WOODBIDGE HIGH SCHOOL	SKETCH NO: S-SK-01 Addendum No.3
	SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00
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PARTIAL FOUNDATION PLAN -
AREA F

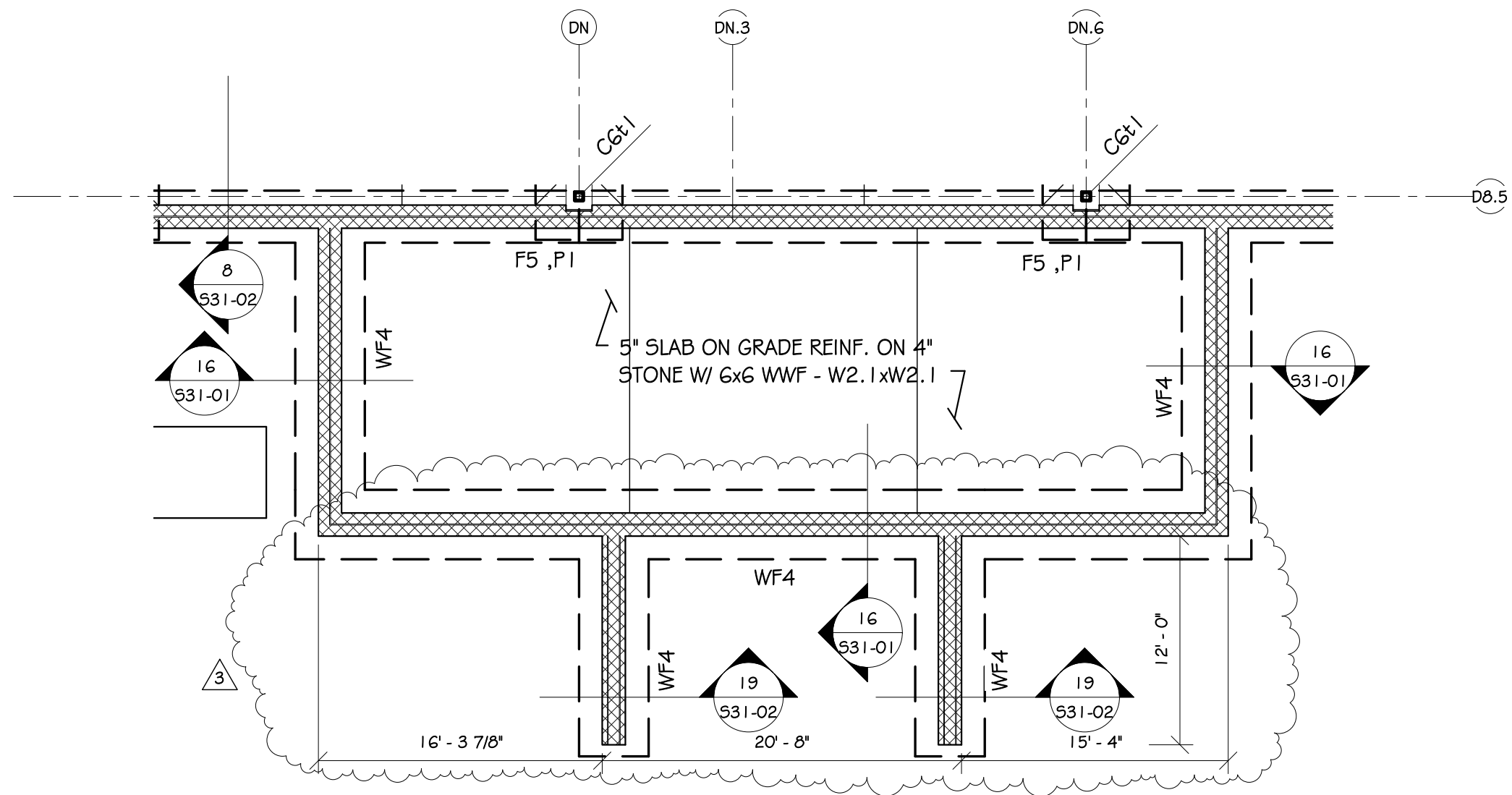
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S-SK-02

1/8" = 1'-0"

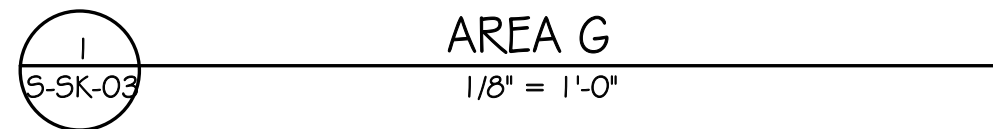
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INC.
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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-02 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12





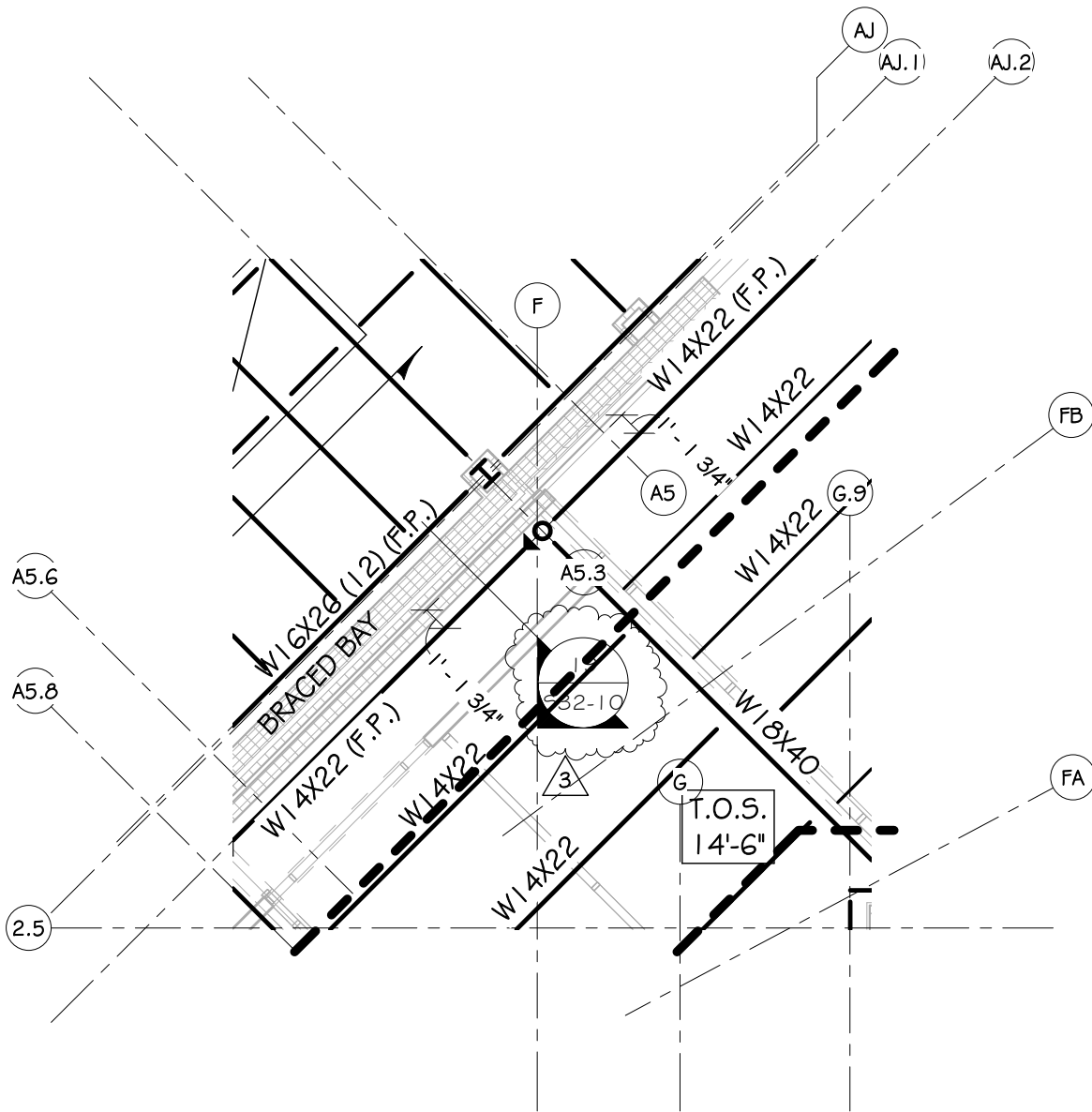
PARTIAL FOUNDATION PLAN -
AREA G



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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-03 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12





PARTIAL LOW ROOF FRAMING
 PLAN - AREA A

1
 S-SK-04

1/8" = 1'-0"

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 Architects

6 Larch Avenue Suite 398 Wilmington, Delaware 19804
 Ph. 302-998-7615 Fax. 302-998-7685

PROJECT:

WOODBIDGE
 HIGH SCHOOL

SKETCH NO:

S-SK-04

Addendum No.3

SCALE:

1/8" = 1'-0"

PROJ NO:

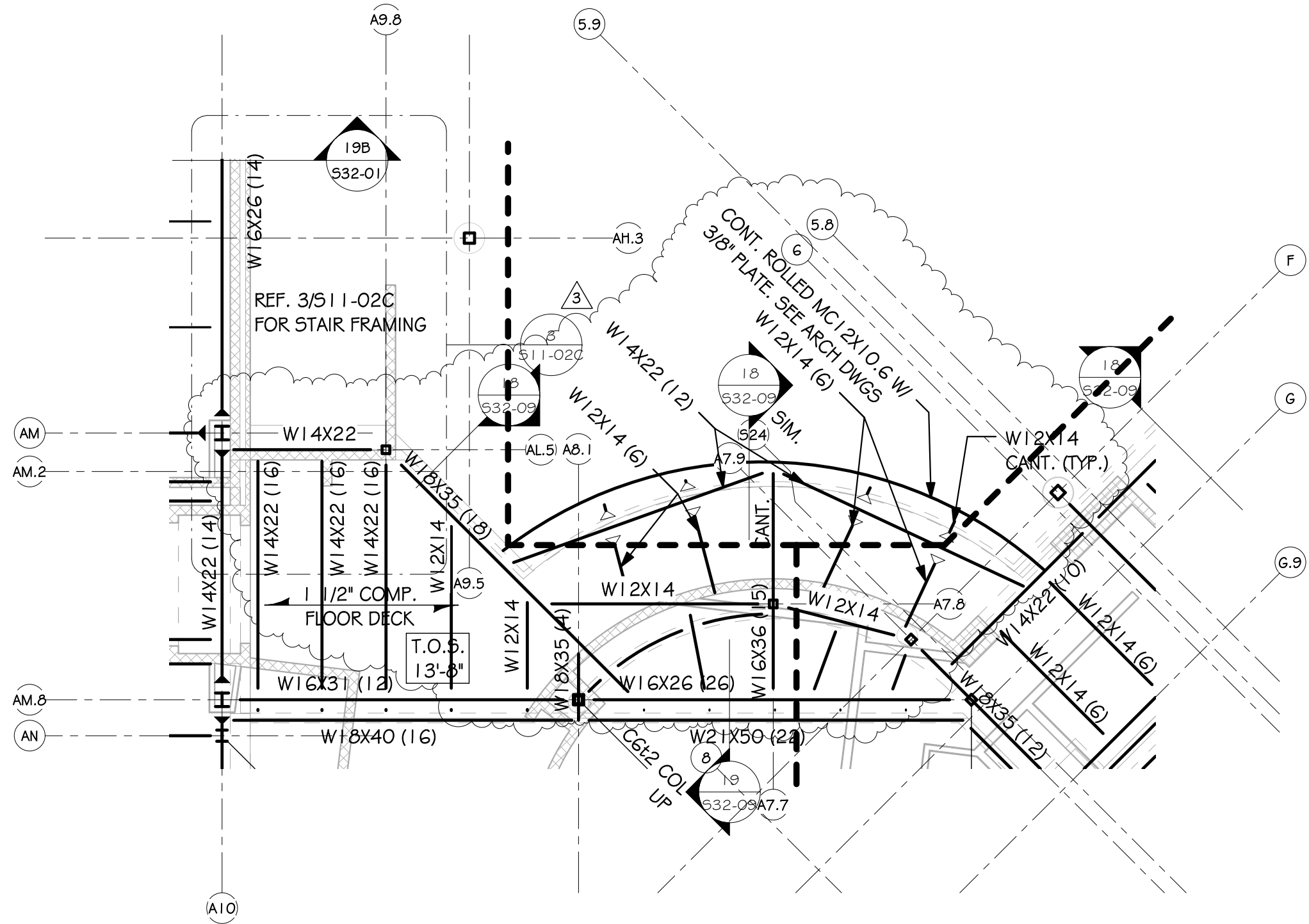
D6932.00

DATE:

07-23-12

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PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA C

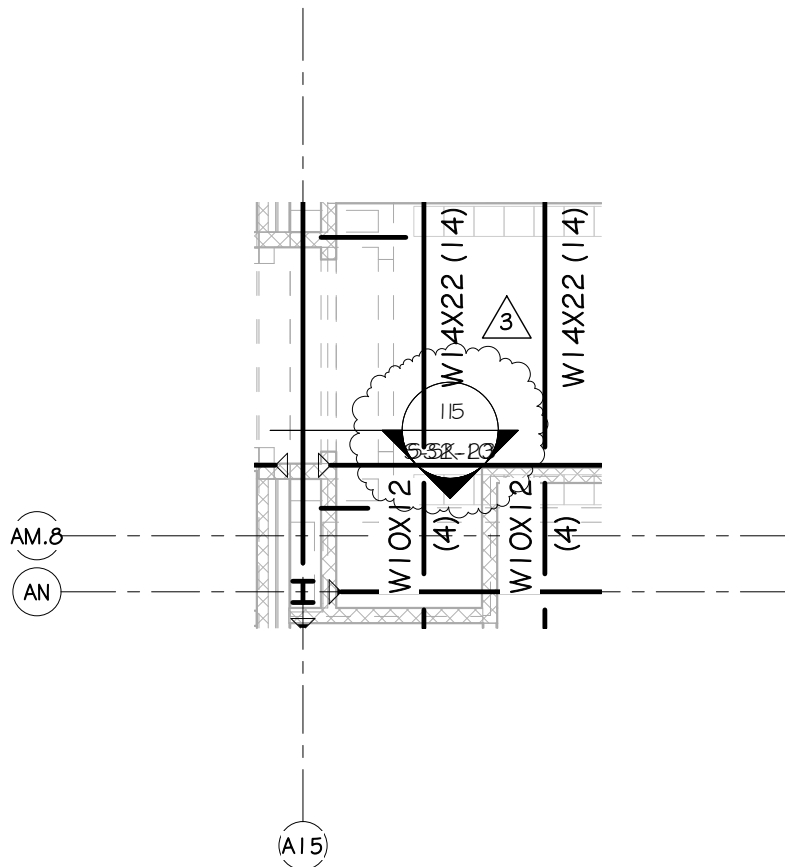
1
S-5K-05

1/8" = 1'-0"

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Architects
INC.
6 Larch Avenue Suite 398 Wilmington, Delaware 19804
Ph. 302-998-7615 Fax. 302-998-7685

PROJECT: WOODBRIAGE HIGH SCHOOL		SKETCH NO: S-SK-05 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12

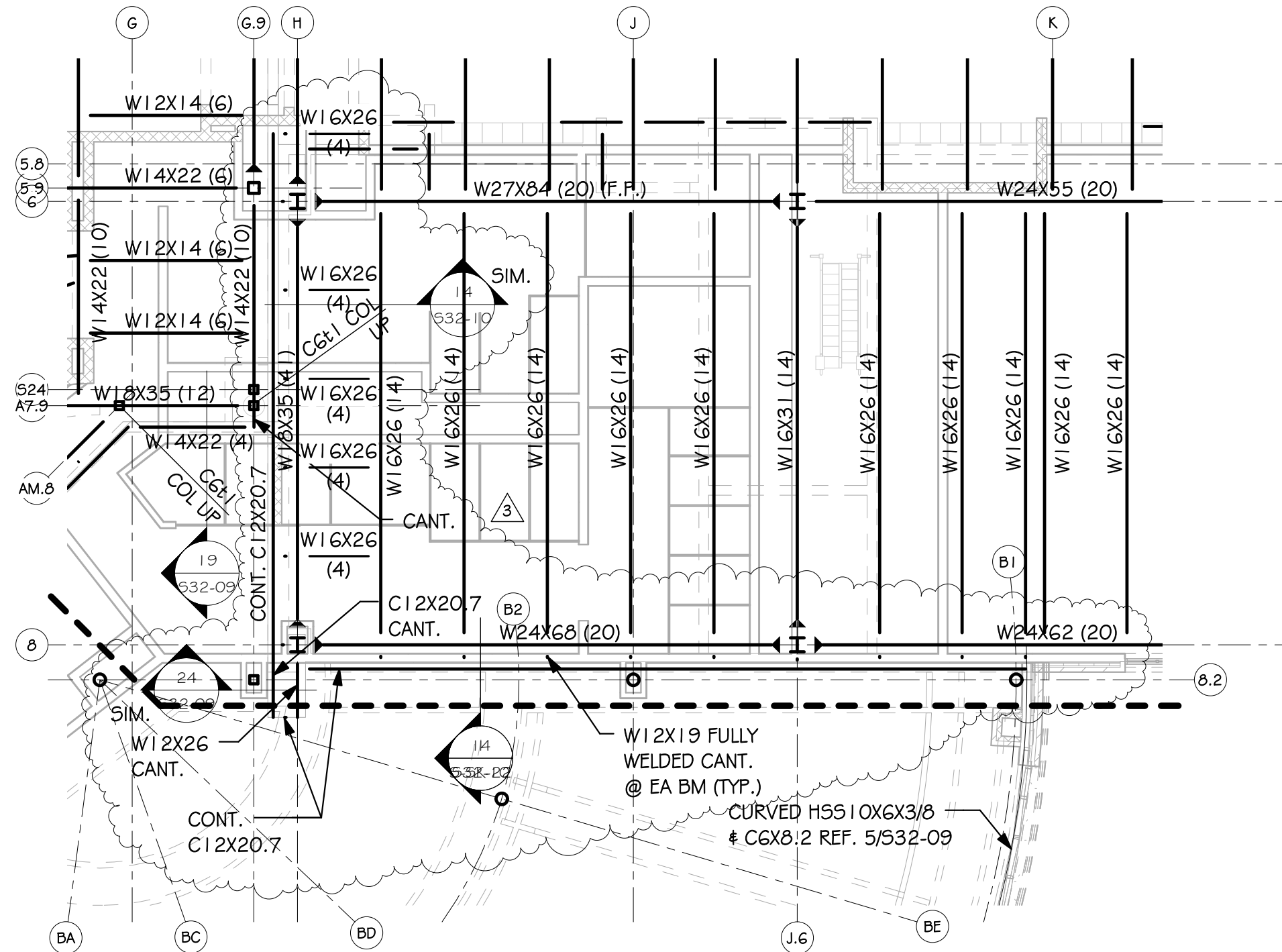




PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA C

1 / S-SK-06
 1/8" = 1'-0"

<p style="font-size: 24pt; font-weight: bold; margin: 0;">Fearn Clendaniel</p> <p style="font-size: 24pt; font-weight: bold; margin: 0;">Architects</p> <p style="font-size: 12pt; margin: 0;">INC.</p> <p style="font-size: 10pt; margin: 0;">6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685</p>	<p style="font-size: 10pt; margin: 0;">PROJECT:</p> <p style="font-size: 18pt; font-weight: bold; margin: 0; text-align: center;">WOODBIDGE HIGH SCHOOL</p>		<p style="font-size: 10pt; margin: 0;">SKETCH NO:</p> <p style="font-size: 24pt; font-weight: bold; margin: 0; text-align: center;">S-SK-06</p> <p style="font-size: 10pt; margin: 0; text-align: center;">Addendum No.3</p>
	<p style="font-size: 10pt; margin: 0;">SCALE:</p> <p style="font-size: 12pt; margin: 0; text-align: center;">1/8" = 1'-0"</p>	<p style="font-size: 10pt; margin: 0;">PROJ NO:</p> <p style="font-size: 12pt; margin: 0; text-align: center;">D6932.00</p>	<p style="font-size: 10pt; margin: 0;">DATE:</p> <p style="font-size: 12pt; margin: 0; text-align: center;">07-23-12</p>
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PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA D

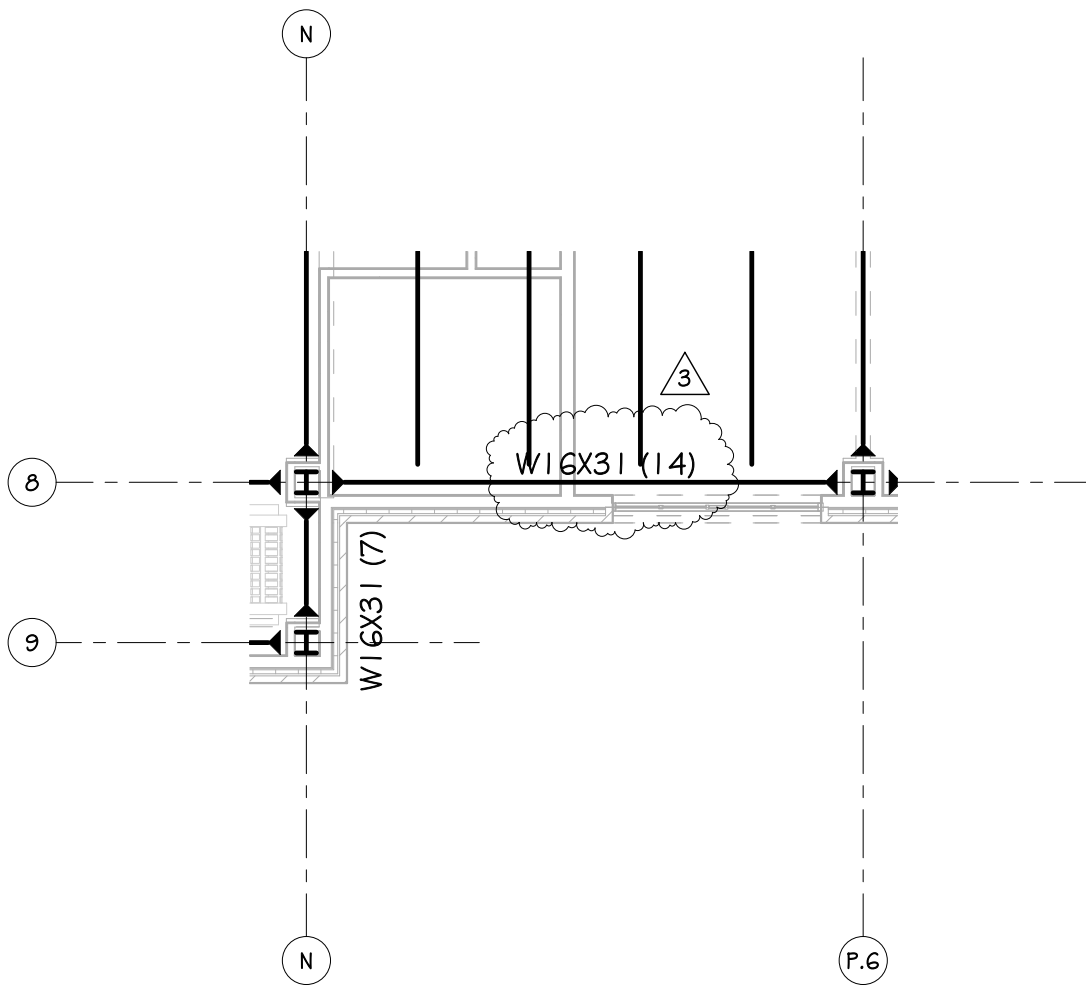
1
S-SK-07

1/8" = 1'-0"

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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-07 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12



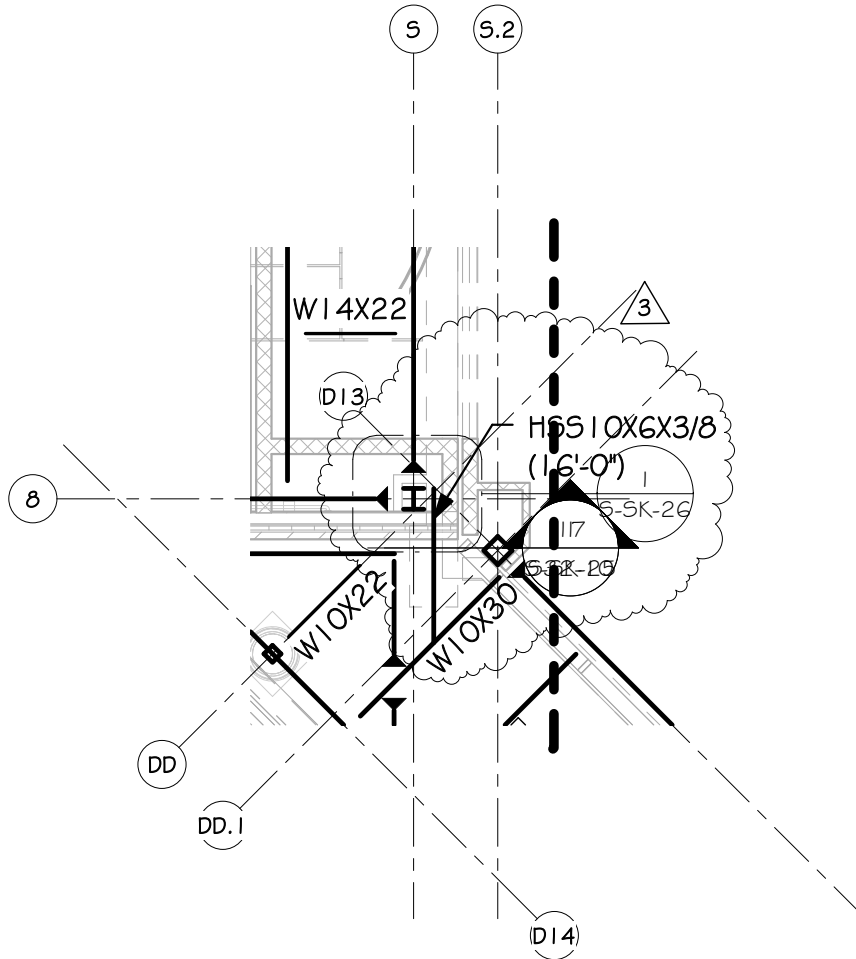


PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA D

1
S-SK-08

1/8" = 1'-0"

Fearn Clendaniel Architects INC. 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685	PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-08 Addendum No.3
	SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12
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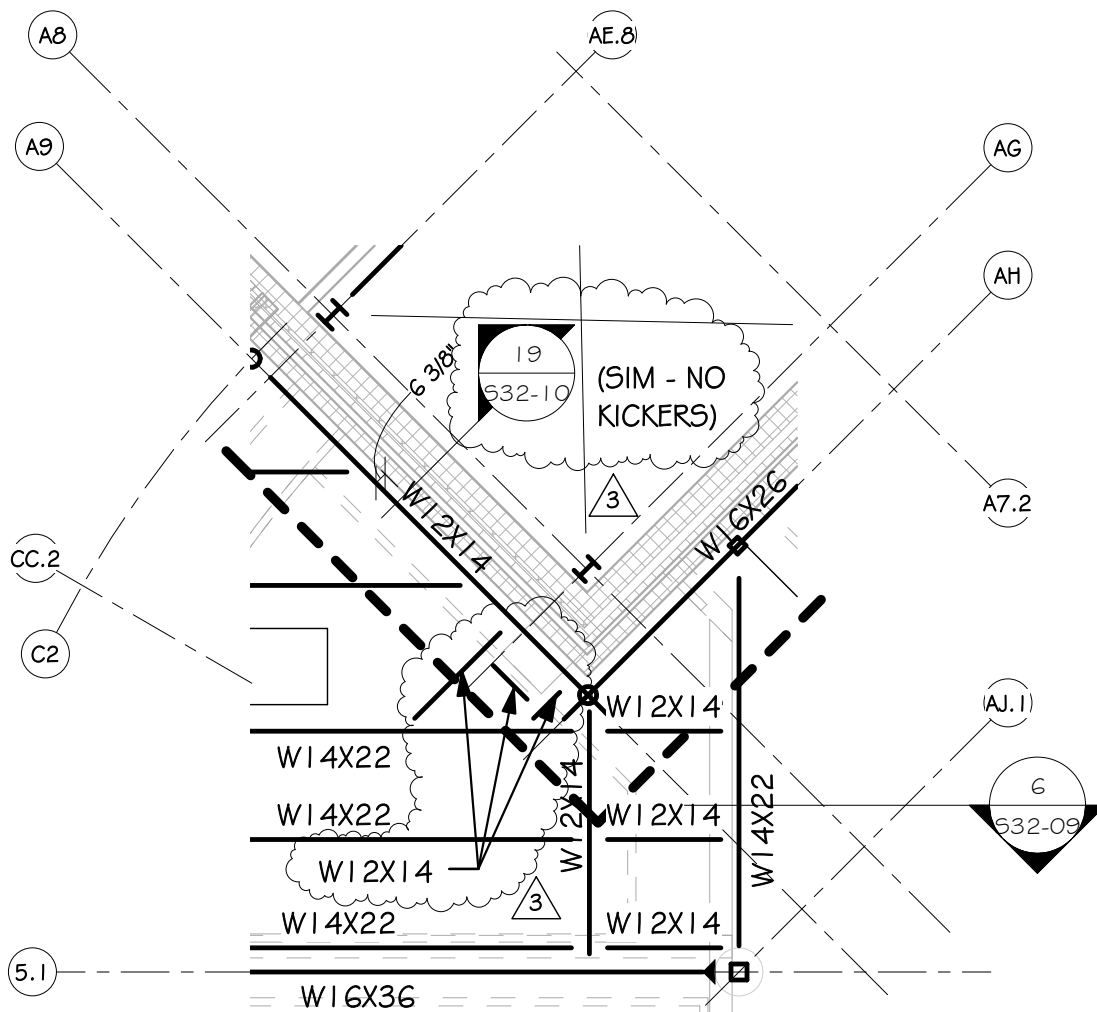


PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA D

1
S-SK-09

1/8" = 1'-0"

Fearn Clendaniel Architects INC. 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685	PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-09 Addendum No.3
	SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12
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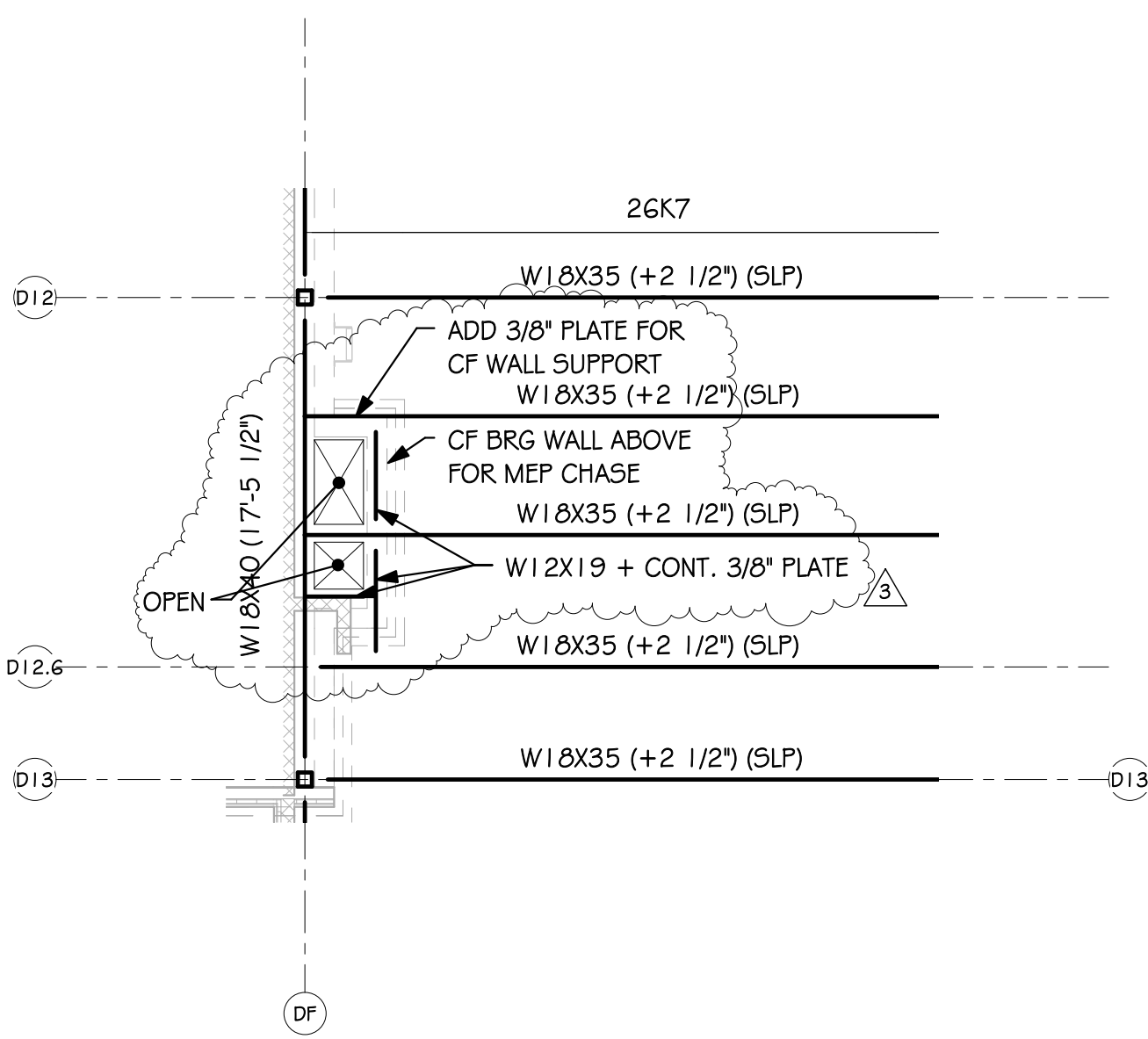


PARTIAL LOW ROOF FRAMING
 PLAN - AREA A

1
 S-SK-10

1/8" = 1'-0"

Fearn Clendaniel Architects INC. 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685	PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-10 Addendum No.3
	SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12
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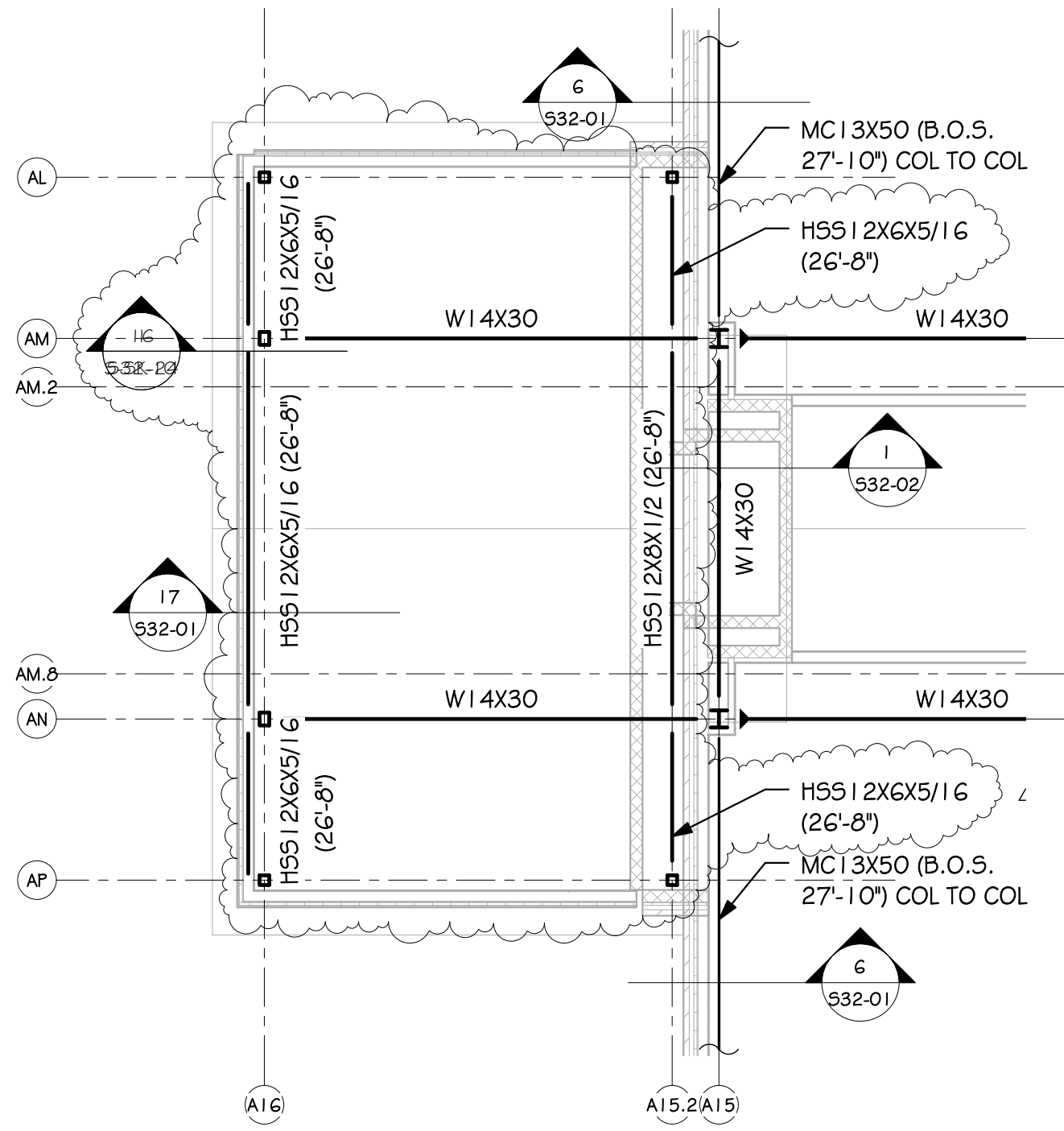


PARTIAL ROOF FRAMING PLAN -
AREA E

I
S-SK-11

1/8" = 1'-0"

Fearn Clendaniel Architects INC. 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685	PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-11 Addendum No.3
	SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12
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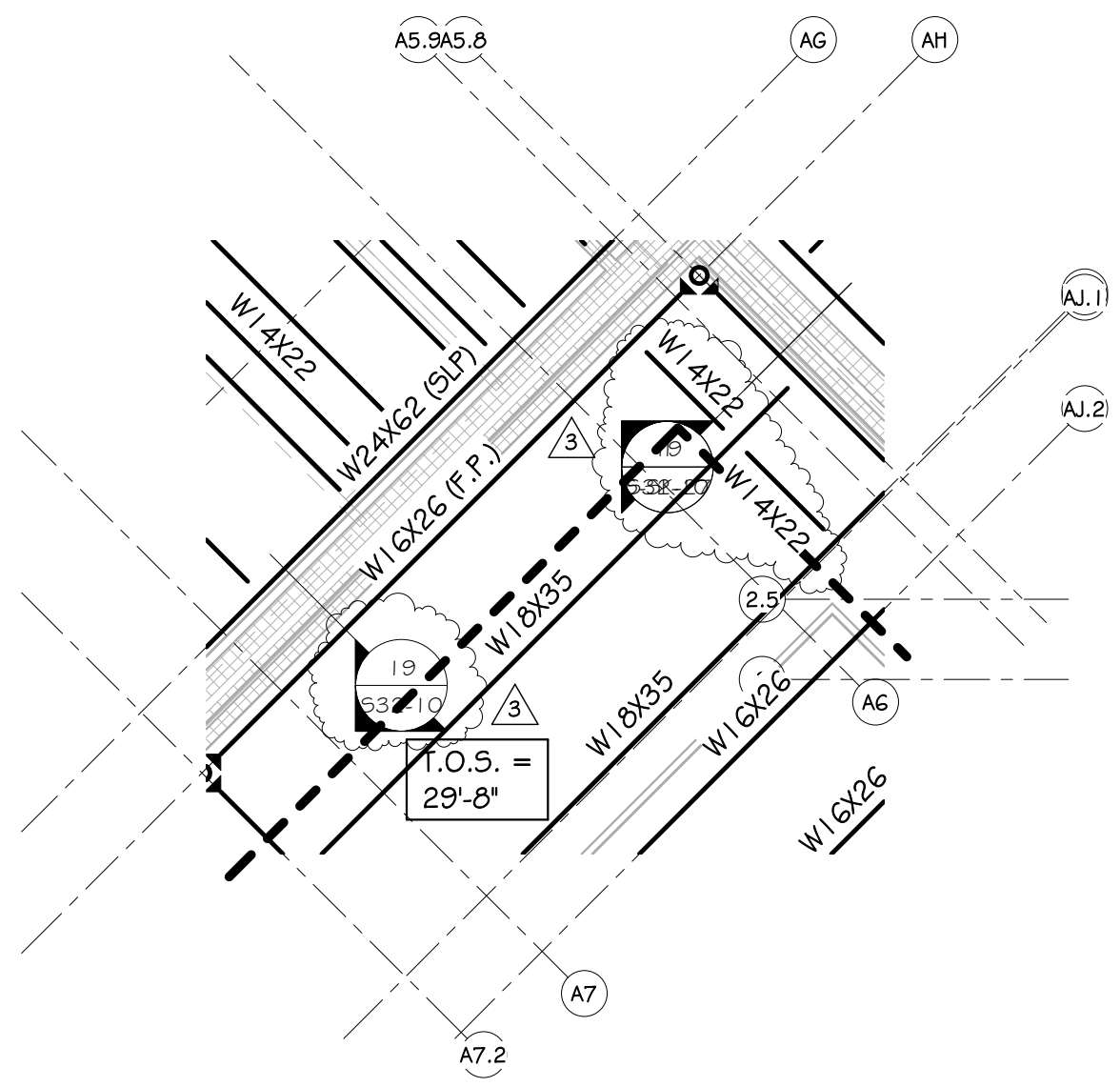
PARTIAL PLATFORM FRAMING
PLAN - AREA C

1
S-SK-12

1/8" = 1'-0"

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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-12 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12



PARTIAL HIGH ROOF FRAMING
 PLAN -AREA A

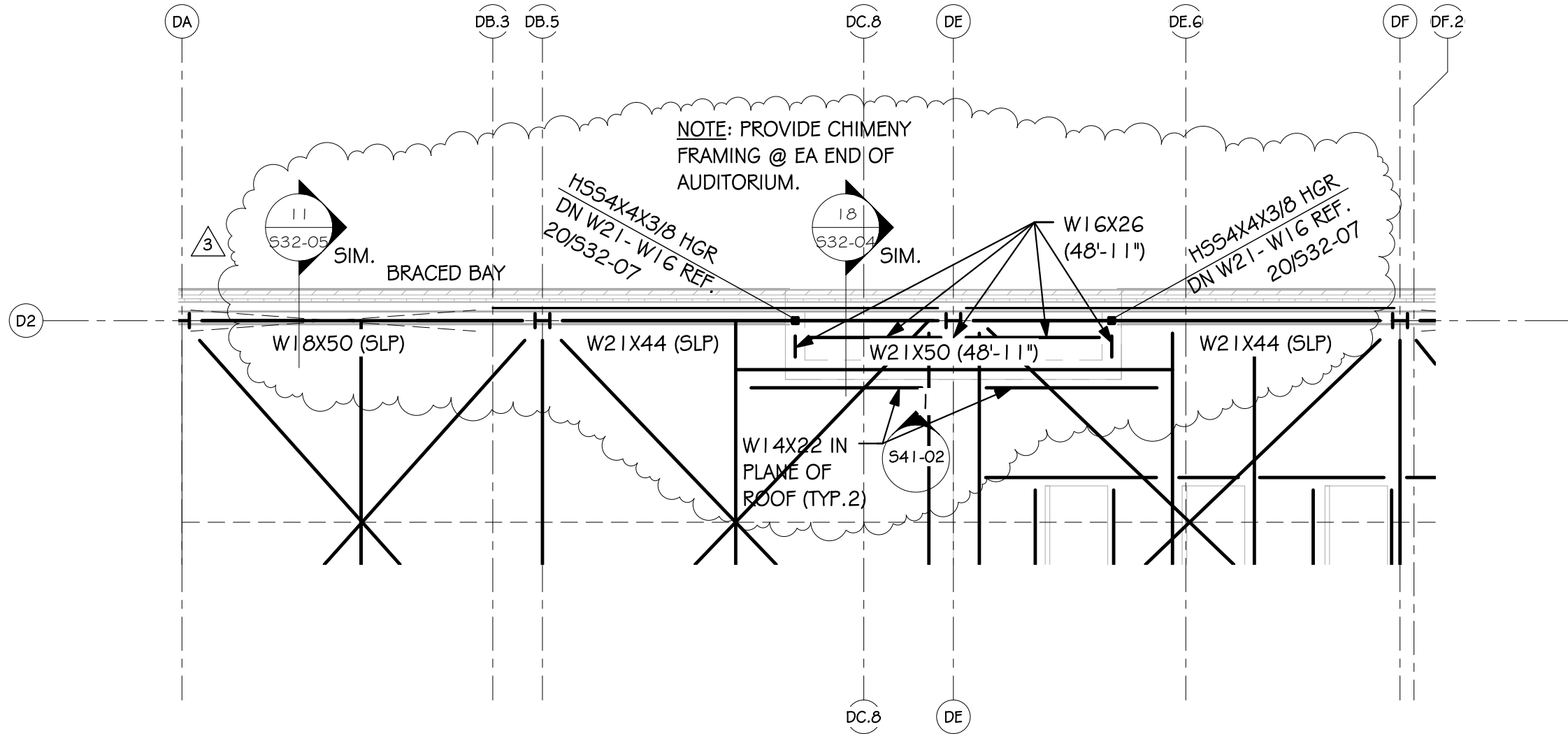
1
 5-5K-13

1/8" = 1'-0"

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Architects
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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-13 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12





PARTIAL HIGH ROOF FRAMING
PLAN -AREA F

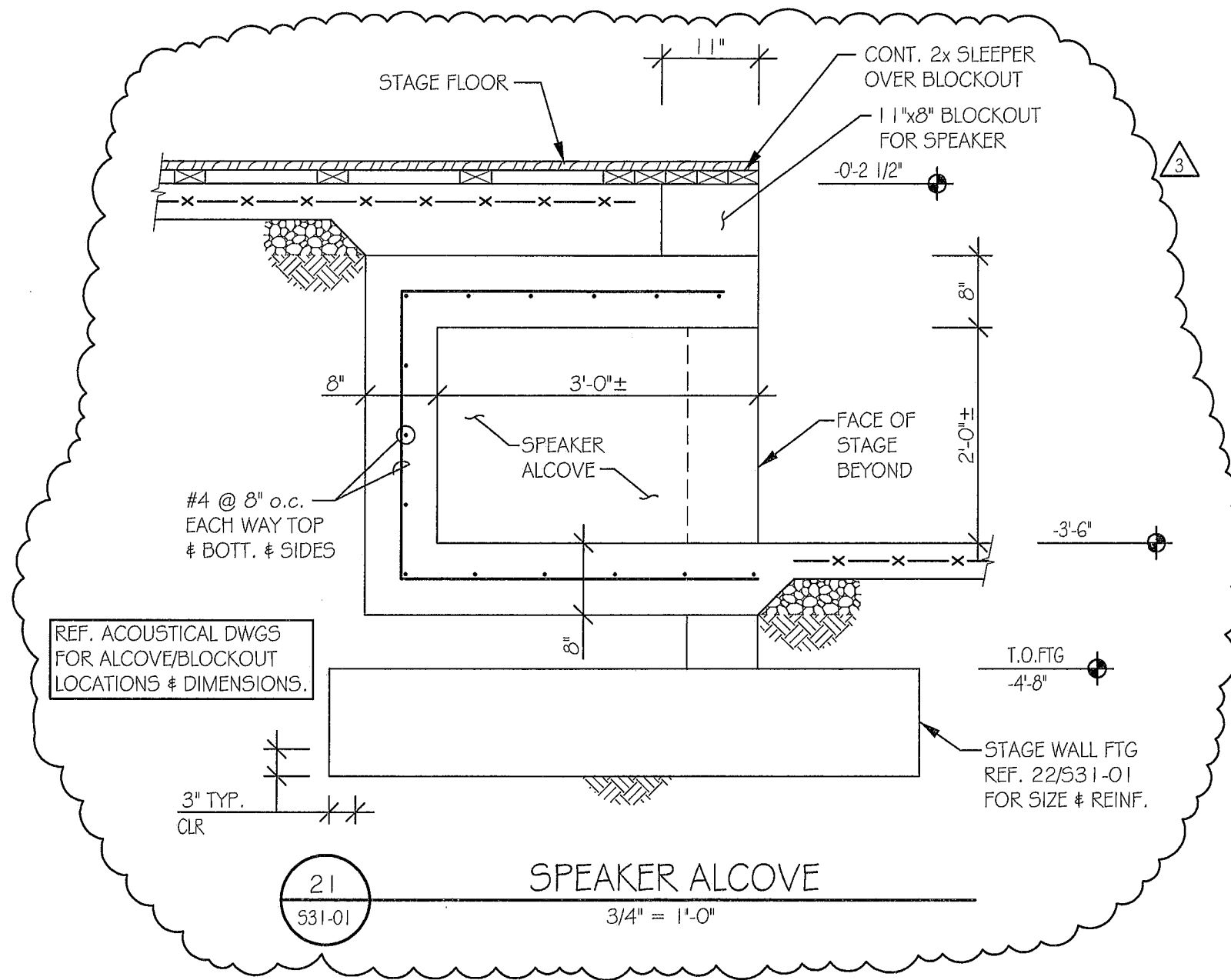
1
S-SK-14

1/8" = 1'-0"

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PROJECT: WOODBIDGE HIGH SCHOOL		SKETCH NO: S-SK-14 Addendum No.3
SCALE: 1/8" = 1'-0"	PROJ NO: D6932.00	DATE: 07-23-12





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PROJECT:
WOODBIDGE HIGH SCHOOL

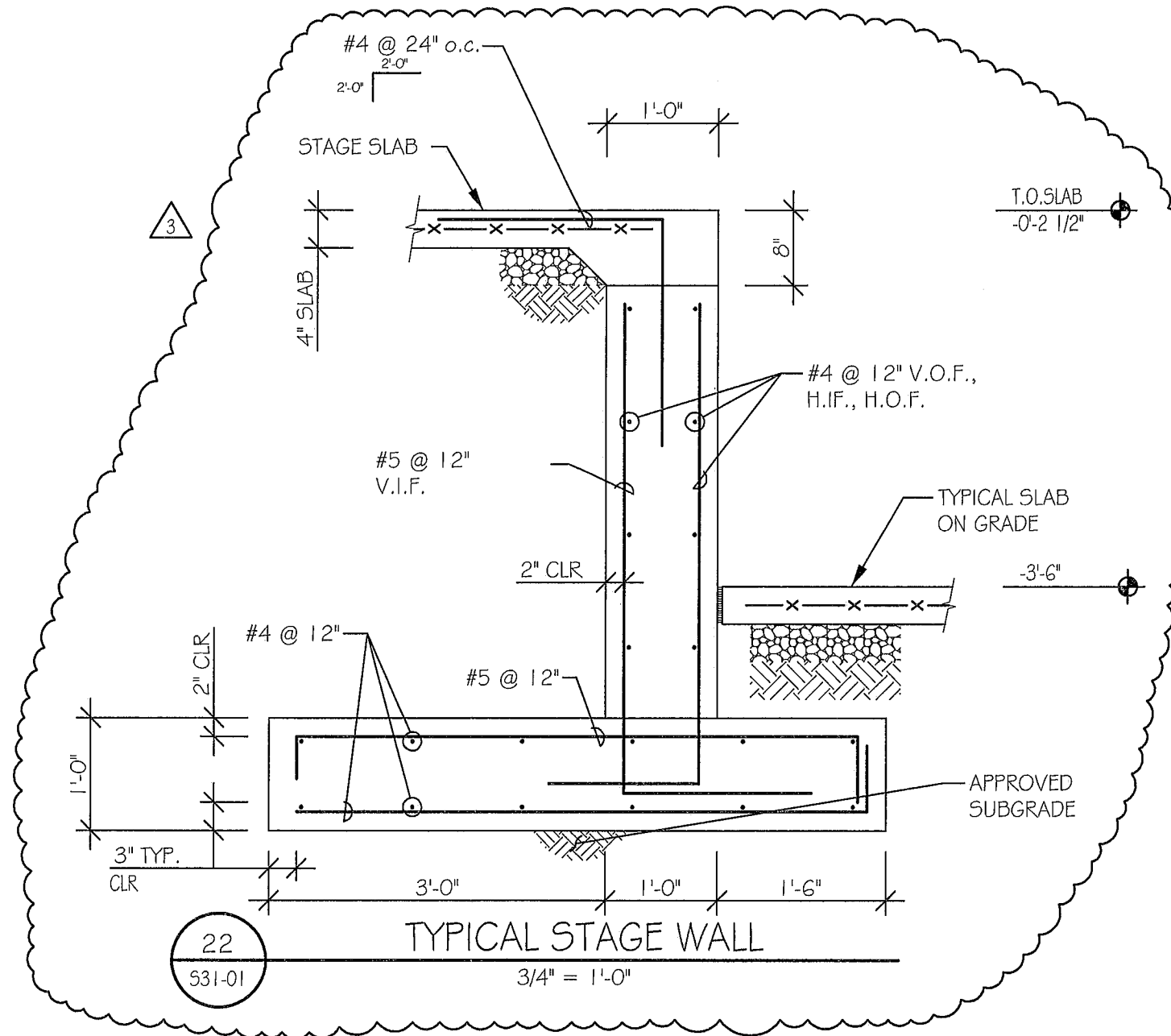
SKETCH NO.
S-SK-15
 Addendum No. 3

SCALE:
 AS NOTED

PROJ.NO.:
 11109

DATE:
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 Ph. 302-998-7615 • Fax. 302-998-7685

PROJECT:
WOODBRIIDGE HIGH SCHOOL

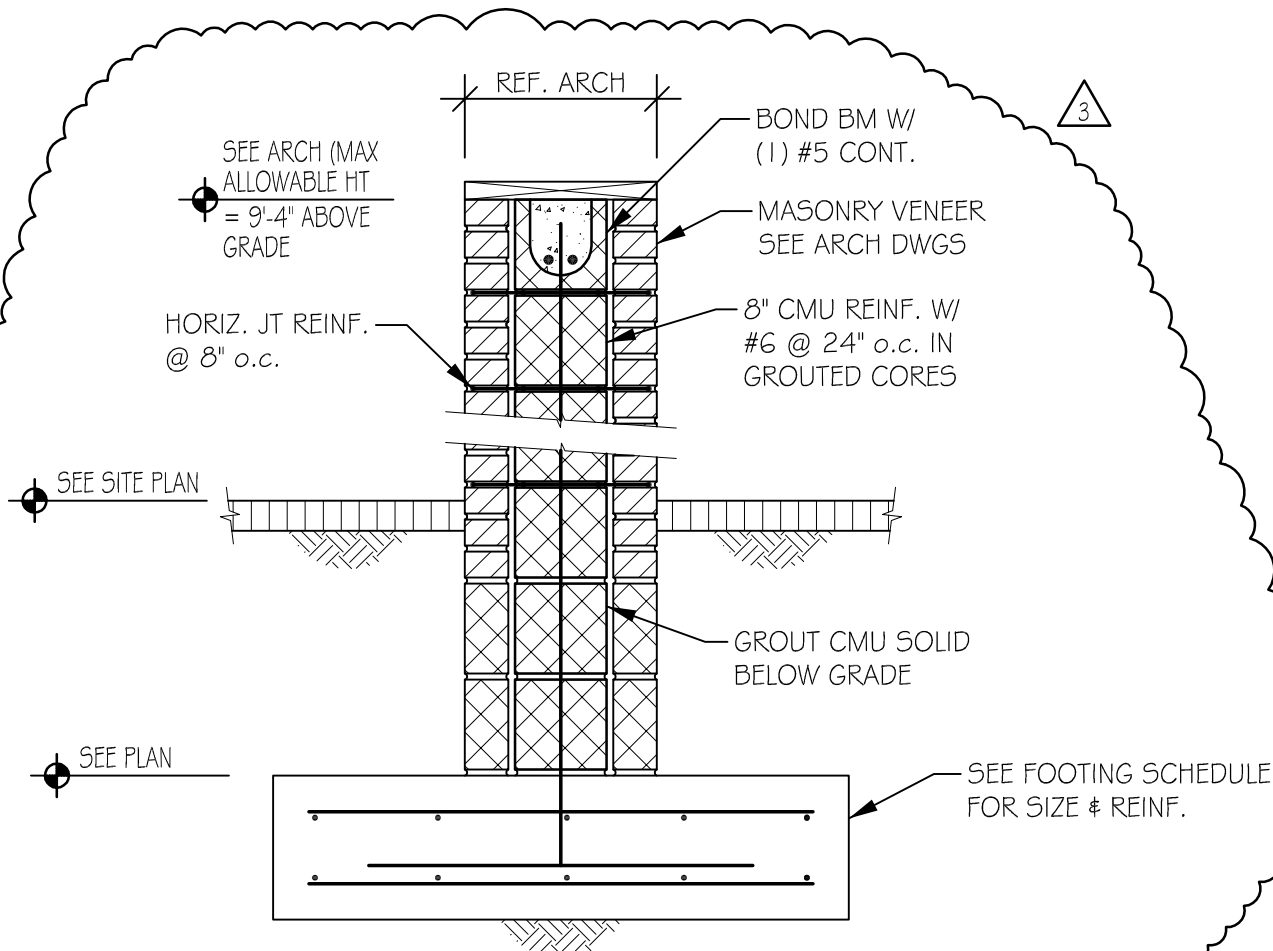
SKETCH NO.
S-SK-16
 Addendum No 3

SCALE:
 AS NOTED

PROJ.NO.:
 11109

DATE:
 07-23-12





19
531-02

SECTION @ DUMPSTER ENCLOSURE

3/4" = 1'-0"

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PROJECT:
WOODBIDGE HIGH SCHOOL

SCALE:
 AS NOTED

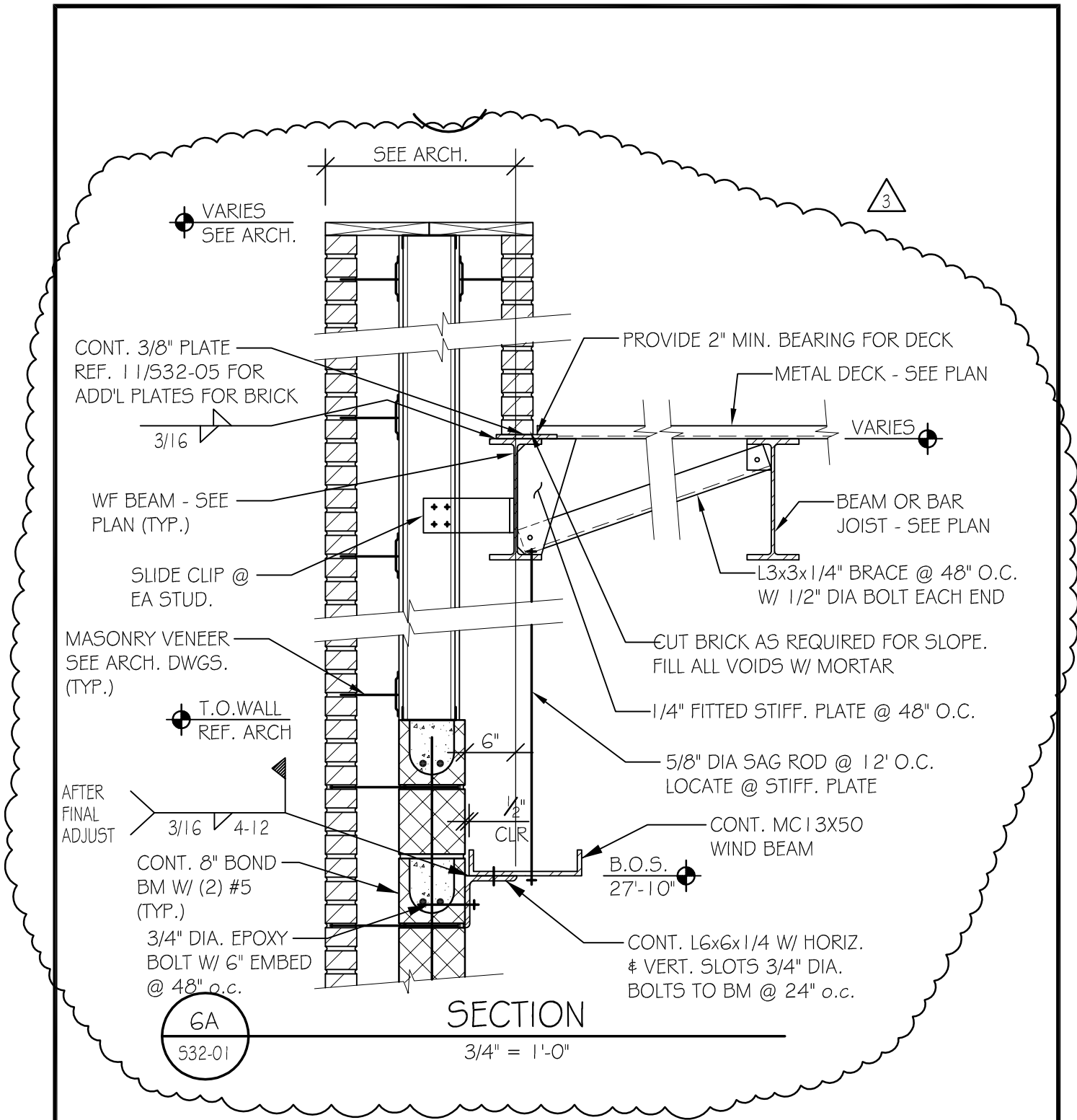
PROJ.NO.:
 11109

SKETCH NO.
S-SK-17
 Addendum No.3

DATE:
 07-23-12

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PROJECT:

**WOODBIDGE HIGH
SCHOOL**

SKETCH NO.

S-SK-18

Addendum No.3

SCALE:

AS NOTED

PROJ.NO.:

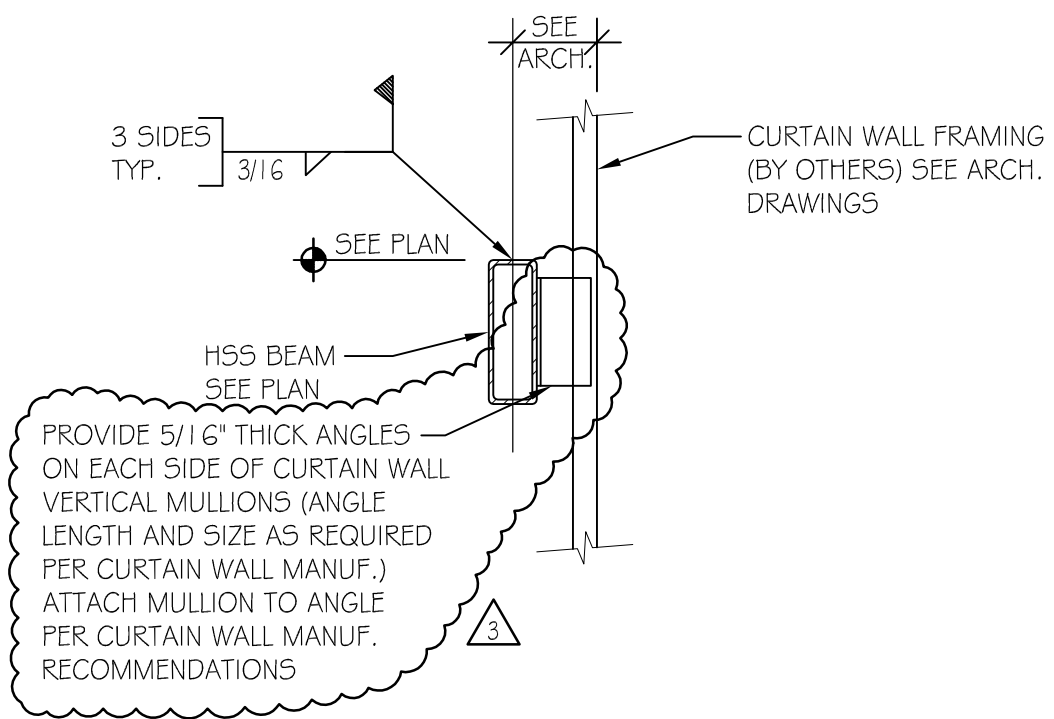
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DATE:

07-23-12

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15
532-01

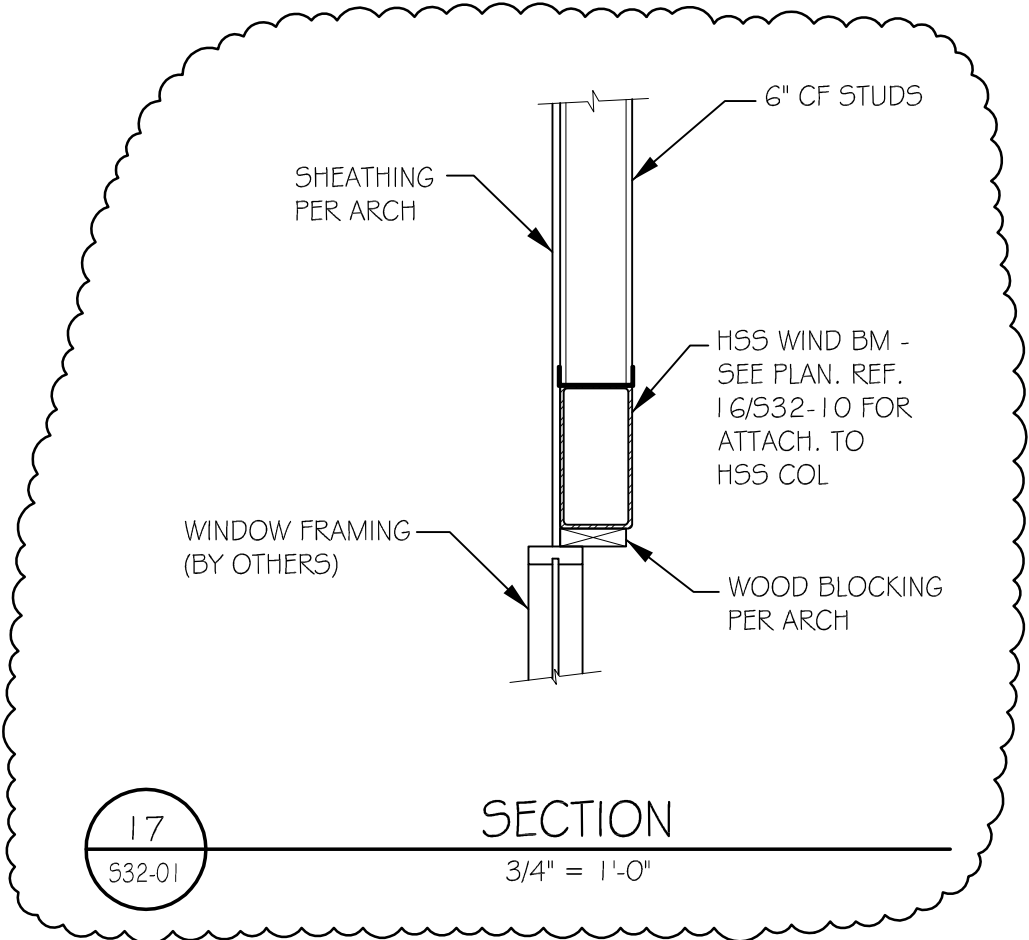
SECTION

3/4" = 1'-0"

NOTE: SEE DETAIL 16/532-01 FOR HSS BEAM/COLUMN CONNECTION.

 <p>6 Larch Avenue • Suite 398 • Wilmington, Delaware 19804 Ph. 302-998-7615 • Fax. 302-998-7685</p>	PROJECT: WOODBRIIDGE HIGH SCHOOL		SKETCH NO. S-SK-19 Addendum No.3
	SCALE: AS NOTED	PROJ.NO.: 11109	DATE: 07-23-12
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3



17
S32-01

SECTION

3/4" = 1'-0"

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Ph. 302-998-7615 • Fax. 302-998-7685

PROJECT:
WOODBIDGE HIGH SCHOOL

SKETCH NO.
S-SK-20
Addendum No.3

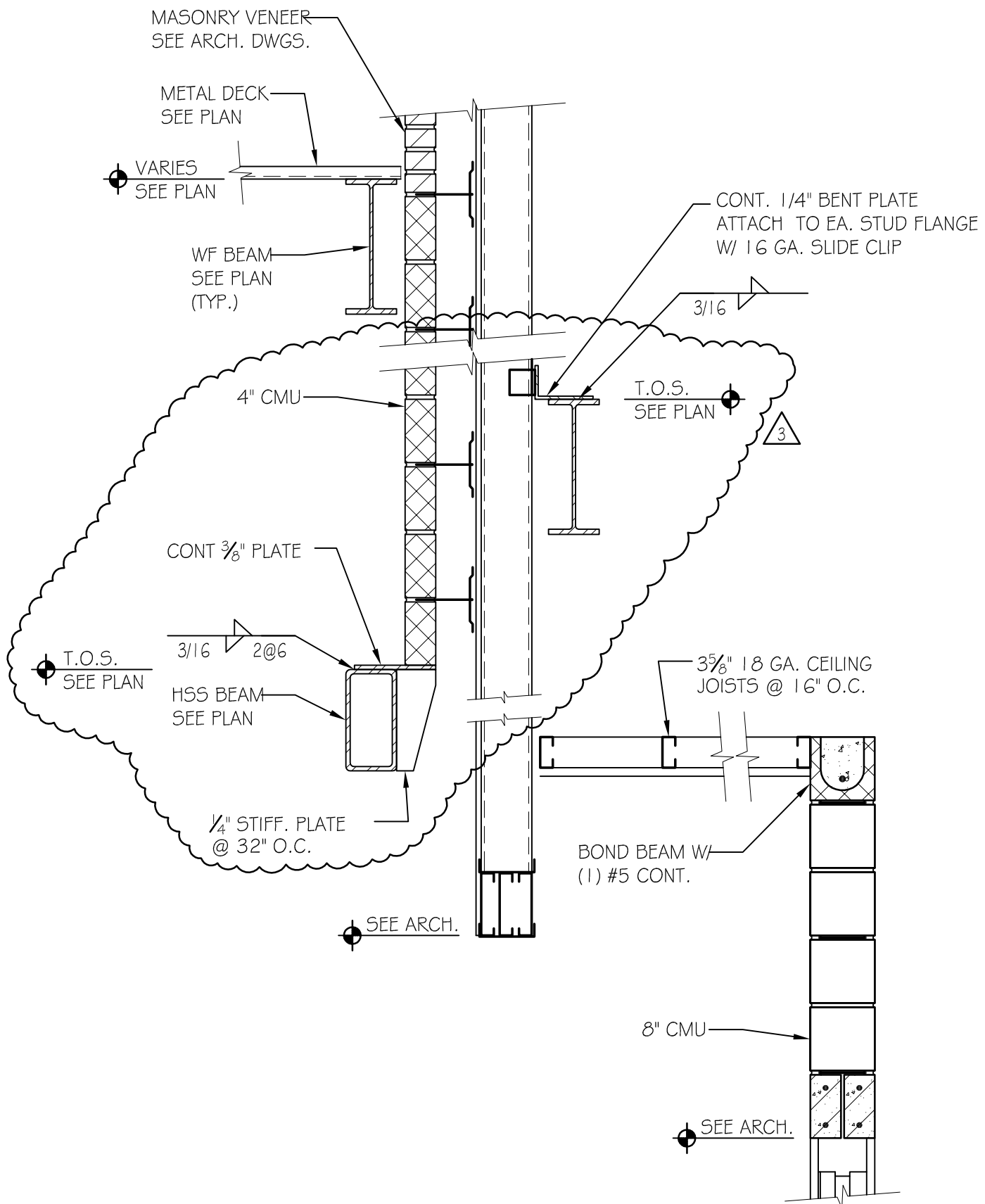
SCALE:
AS NOTED

PROJ.NO.:
11109

DATE:
07-23-12

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1
532-02

SECTION

3/4" = 1'-0"

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PROJECT:
**WOODBIDGE HIGH
SCHOOL**

SKETCH NO.
S-SK-21
Addendum No.3

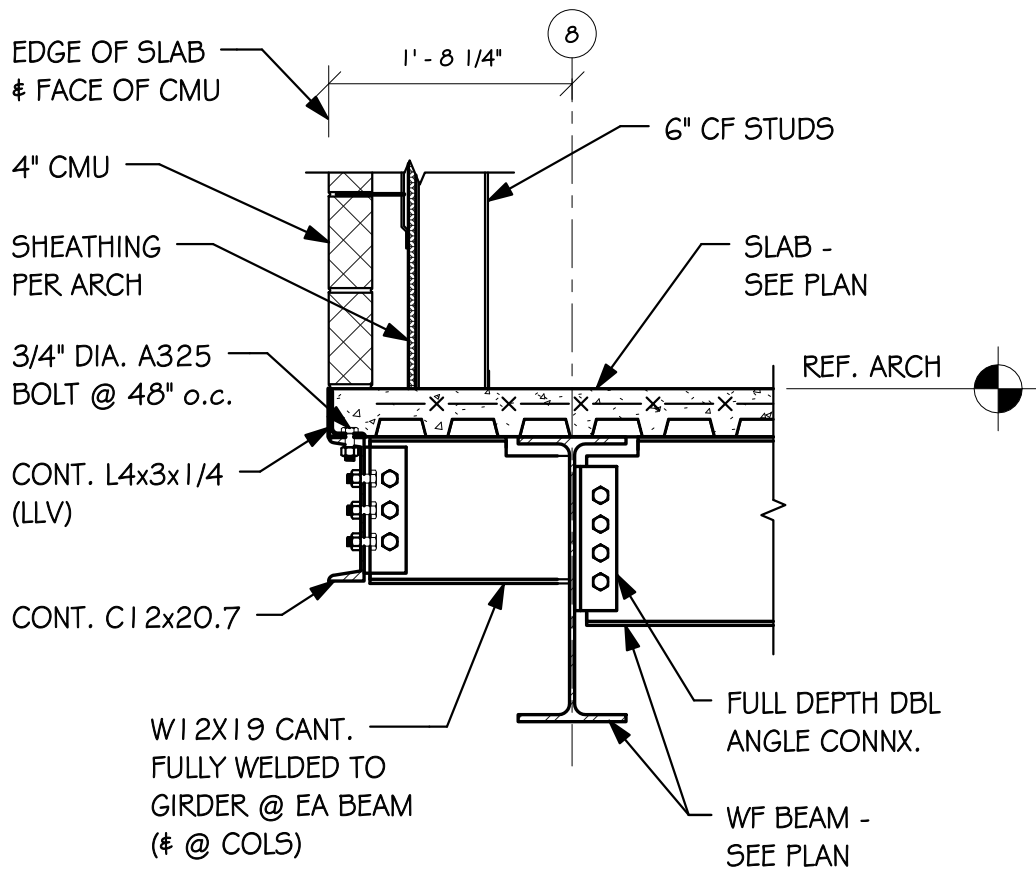
SCALE:
AS NOTED

PROJ.NO.:
11109

DATE:
07-23-12

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1
S-SK-22

SECTION

3/4" = 1'-0"

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PROJECT:

WOODBIDGE
HIGH SCHOOL

SKETCH NO:

S-SK-22

Addendum No.3

SCALE:

3/4" = 1'-0"

PROJ NO:

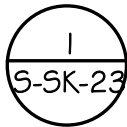
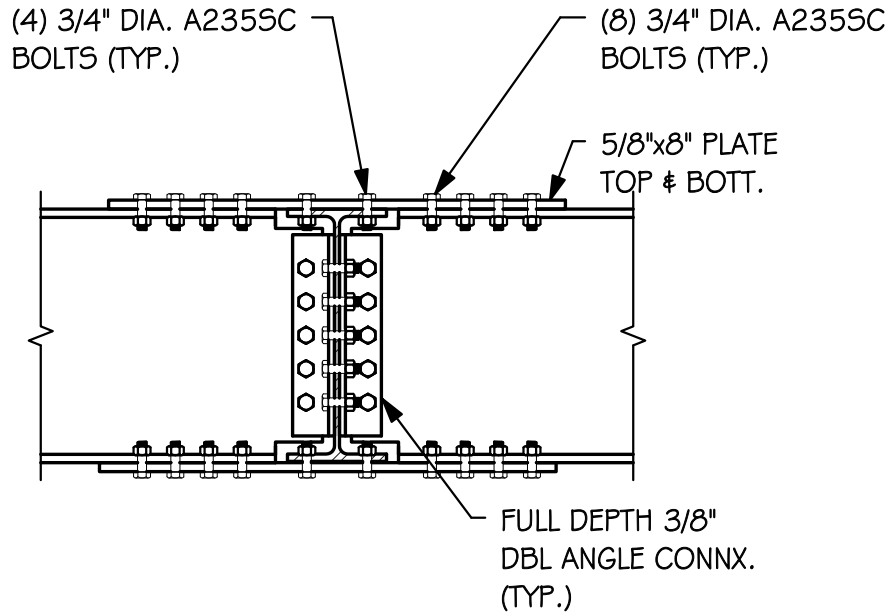
D6932.00

DATE:

07-23-12

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SECTION

3/4" = 1'-0"

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PROJECT:

WOODBIDGE
 HIGH SCHOOL

SKETCH NO:

S-SK-23

Addendum No.3

SCALE:

3/4" = 1'-0"

PROJ NO:

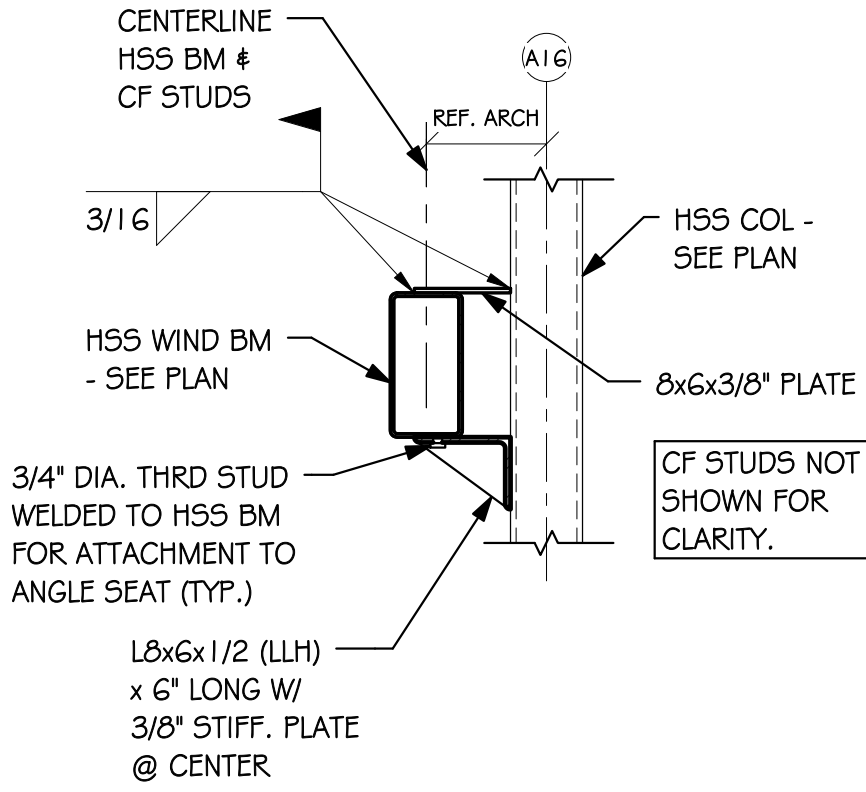
D6932.00

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1
S-SK-24

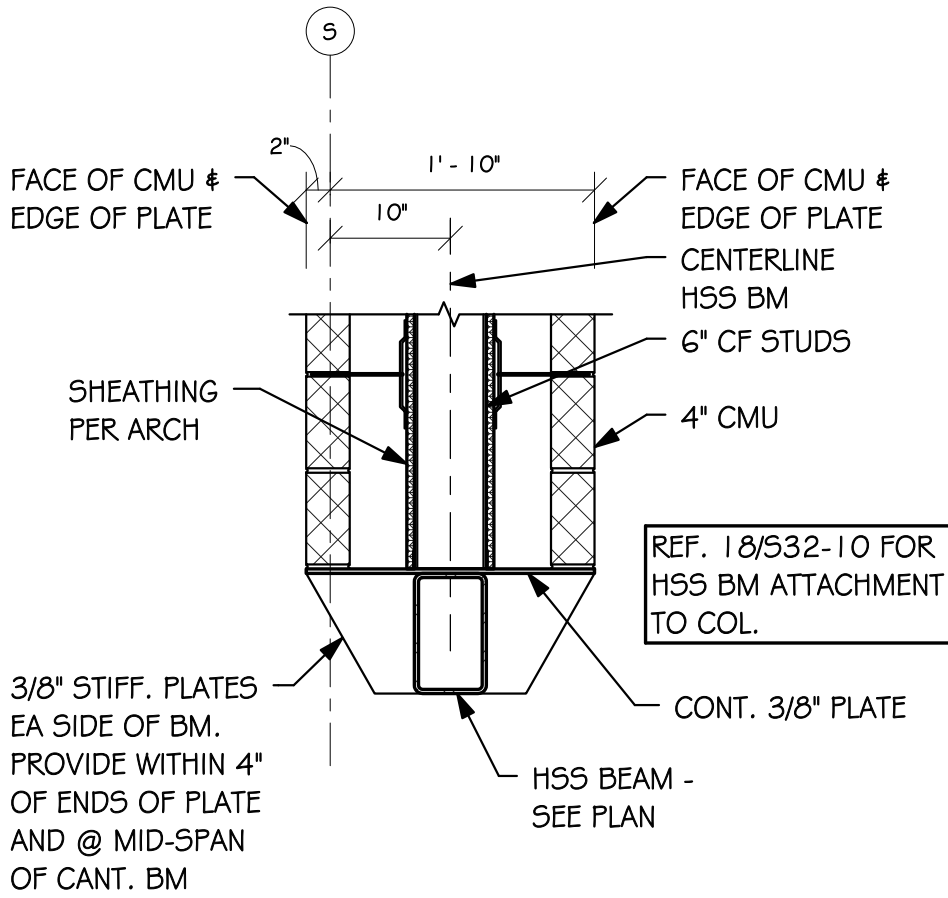
SECTION

3/4" = 1'-0"

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	SCALE: 3/4" = 1'-0"	PROJ NO: D6932.00

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1
S-SK-25

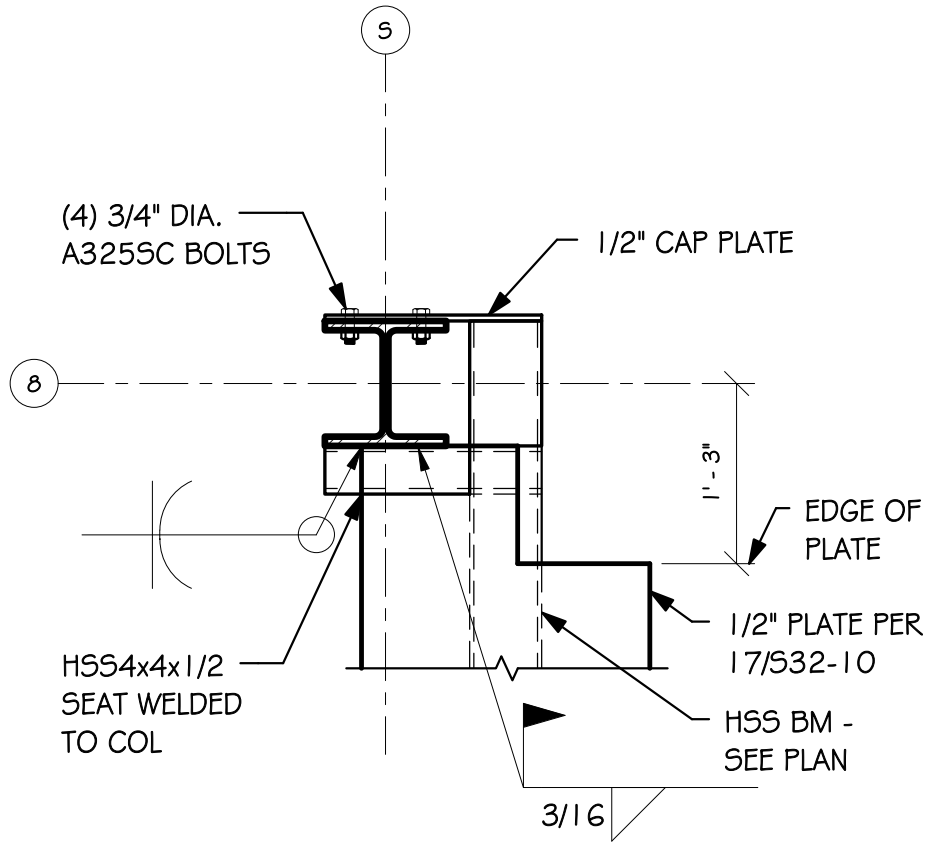
SECTION

3/4" = 1'-0"

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	SCALE: 3/4" = 1'-0"	PROJ NO: D6932.00

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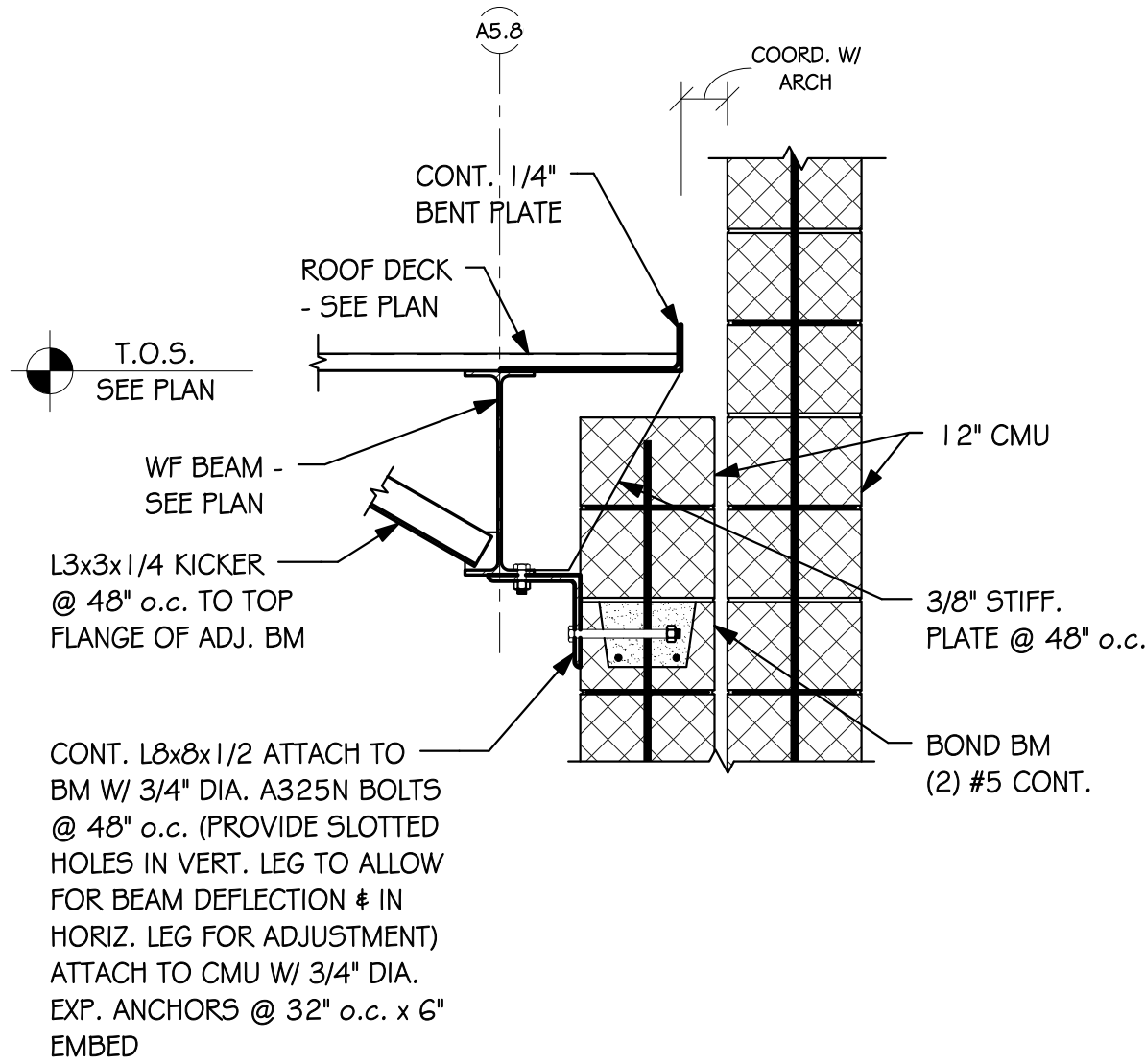


1
S-SK-26
PLAN DETAIL
 $3/4" = 1'-0"$

<p style="font-size: 1.2em; margin: 0;">Fearn Clendaniel</p> <p style="font-size: 1.2em; margin: 0; letter-spacing: 0.2em;">A r c h i t e c t s</p> <p style="font-size: 0.8em; margin: 0; text-align: right;">INC.</p> <p style="font-size: 0.8em; margin: 0;">6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685</p>	<p style="font-size: 0.8em; margin: 0;">PROJECT:</p> <p style="text-align: center; font-weight: bold; margin: 0;">WOODBIDGE HIGH SCHOOL</p>		<p style="font-size: 0.8em; margin: 0;">SKETCH NO:</p> <p style="text-align: center; font-weight: bold; margin: 0;">S-SK-26</p> <p style="font-size: 0.8em; margin: 0;">Addendum No.3</p>
	<p style="font-size: 0.8em; margin: 0;">SCALE:</p> <p style="text-align: center; margin: 0;">$3/4" = 1'-0"$</p>	<p style="font-size: 0.8em; margin: 0;">PROJ NO:</p> <p style="text-align: center; margin: 0;">D6932.00</p>	<p style="font-size: 0.8em; margin: 0;">DATE:</p> <p style="text-align: center; margin: 0;">07-23-12</p>

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SECTION
1
S-SK-27 3/4" = 1'-0"

<p style="font-size: 24pt; margin: 0;">Fearn Clendaniel</p> <p style="font-size: 24pt; margin: 0;">A r c h i t e c t s</p> <p style="text-align: right; font-size: 12pt; margin: 0;">INC.</p> <p style="font-size: 10pt; margin: 0;">6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685</p>	<p style="font-size: 10pt; margin: 0;">PROJECT:</p> <p style="text-align: center; font-size: 14pt; margin: 0;">WOODBIDGE HIGH SCHOOL</p>	<p style="font-size: 10pt; margin: 0;">SKETCH NO:</p> <p style="text-align: center; font-size: 24pt; margin: 0;">S-SK-27</p> <p style="text-align: center; font-size: 10pt; margin: 0;">Addendum No.3</p>
	<p style="font-size: 10pt; margin: 0;">SCALE:</p> <p style="text-align: center; font-size: 12pt; margin: 0;">3/4" = 1'-0"</p>	<p style="font-size: 10pt; margin: 0;">PROJ NO:</p> <p style="text-align: center; font-size: 12pt; margin: 0;">D6932.00</p>

