Richard Y. Johnson & Son, Inc.
General Contractors & Construction Managers
Serving Delaware Since 1946
www.ryjson.com

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Milford Police Department
401 NE Front Street Milford, Delaware
Project No. 2019030.00
Bid Pac A – Contracts 1 thru 17
March 4, 2022

Addendum No. 2

Attention all Prospective Bidders:

The following clarifications, changes and /or additions shall by this reference be incorporated into the contract documents as though gully set forth therein.

Addendum No. 2 consists of:
RYJ Written directive (4 pages)
BMG Written directive (2 pages)
Construction Drawings (See BMG directive for list) (24 Drawings)

Non – Technical Specifications

Section 011100– Summary of Work

Bid Pac A – Contract 5 Carpentry & General Work
Page 011100-17 – **Delete from Paragraph A: "**089516"

Page 011100-17 – **Add to Paragraph A: "**089119 – Fixed Louvers"

Bid Pac A – Contract 14 Mechanical
Page 011100-34 – **Delete from Paragraph A: "**089516"

Page 011100-34 – **Add to Paragraph A: "**089119 – Fixed Louvers"

Bidders Questions + Clarification

RFI No. **Description**

RFI 1

Question:
What paving spec. are we to use for NE 4th St. ?
Answer:
Awaiting on City of Milford review; To be answered in future addendum

RFI 2

Question:
Just to confirm, this is not prevailing wage project correct?
Answer:
Correct, this project is **not** wage rated.

RFI 3

Question:
In section 123216 – Manufactured Plastic-Laminate-Clad Casework; The approved manufacturers reflected in the specs. I need to know if there can be an equal to these listed.
Answer:
Yes, submit substitution request for review and approval as an approved equal

RFI 4

Question:
Verify the A-5 contractor is to furnish and install the ballistic rated transaction drawer as shown on 2/A404.
Answer:
To be answered in future addendum
Question:
Is there any laminate casework intended at the North wall between rooms 137 and 138?
Answer:
To be answered in future addendum
Question:
Are removable laminate panels intended under the countertop at 3/A404, similar to detail 1/A404?
Answer:
To be answered in future addendum
Question:
Details for vanities in rooms 102, 103 and 159 indicated solid surface integral sinks, but the plumbing fixture schedule contradicts these notes. Advise if integral solid surface sinks are intended at these vanities.
Answer:
To be answered in future addendum
Question:
Addendum #1, page 3 – Bid Pack A – Contract A-13 – indicates providing casework in "kitchen areas". There is no area on the plans called "kitchen". Is this addendum note referring to rooms such as 122 Lounge, 127 Community & 135 Break?
Answer:
Yes

RFI 5

Question:
Looking at the lighting schedule E603 there are some lighting types listed not found on the drawings. The F1, W, WE, WE1, and Y fixtures are missing from the drawings.
Answer:
Some of the fixtures are labeled incorrectly. Schedule and fixture tags will be updated in future addendum.

RFI 6

Question:
Electrical question concerning the Automatic Transfer switch

The one line E500 list the Bypass Isolation/ATS with a Switched neutral. Spec section 2.1.G calls for an over-lapping neutral. Will either version of a 4th pole be acceptable?

Answer:

Switches should be provided with switched neutral. Specs will be updated in future addendum.

RFI 7

Question:

Specification section 125500 calls for detention doors, this is not noted, will specifications be issued?

Answer:

Specification Section 122500 is for Detention Furniture, Specification Section 083463 is for Detention Doors and Frames; both are to be provided by Contract 5 Carpentry & General Work.

Question:

Scope of work, lists specification section 089516, this specification section is not in the specification that was issued, please advise

Answer:

See revisions to Section 011100 Summary of Work this addendum.

Question:

What species of wood are the window sills and top of intermediate height walls?

Answer:

To be answered in future addendum

Question:

Summary of work, contract 5, note M says to provide expansion joints. Can a specification be issued and locations be provided?

Answer:

To be answered in future addendum

Question:

Summary of work, contract 5, note Q, provide architectural louvers, can specification and locations be provided?

Answer:

See specification section 089119 Fixed Louvers and revisions to Section 011100 Summary of Work this addendum.

Question:

Addendum 1 states to provide photo back drop, can a specification be issued?

Answer:

To be answered in future addendum

Question:

In property storage 182, what type of shelving is required? Details aren't shown.

Answer:

Metal lockers in property Storage 182, no shelving: See drawing A402, Addendum 02, dated 03/04/2022.

Question:

More details are needed on how the cornice is attached.

Answer:

Provide ext. Grade WD Blocking FRP Manuf. Requirements; See drawings A503, Addendum 2, dated 03/04/2022.

Question:
Drawing A305, detail 3 is showing what appears to be cornice going up the rake, can details be provided?
Answer:
Will provide FRP cornice profile in future addendum.
Question:
Drawing A305, detail 3, between the roofs there is a built out, can details be provided?
Answer:
Will provide roof detail in future addendum.

RFI 8

Question:
On Civil Drawings For W-3 it says to do a 12x8 wet tap but the plan shows the main being a 6" not 12", has the main been updated and the plan doesn't reflect this.
Answer:
Best available records show the water main is 6" diameter. Note W-3 shall be revised to a 6" dry connection utilizing tee connection with valves installed on each branch of tee; see drawing C301, Addendum 2, dated 03/04/2022.

RFI 9

Question:
ACT 4 is called out on plans, but not in specs
Answer:
To be answered in future addendum
Question:
Which contract is responsible for the ¾" MDF panels in Community Room-see plan A402
Answer:
Contract 10 Acoustical Work.

End of Addendum No. 2

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

Date: March 04, 2022

Re: **MILFORD POLICE DEPARTMENT**
Milford, Delaware
2019030.00

ADDENDUM TWO

The addendum forms a part of the contract documents and modifies the original bidding documents, dated February 21, 2022, as noted below.

CLARIFICATIONS

SUBSTITUTION REQUESTS

1. LIGHTING FIXTURES: Penn Lighting Fixture Types A1, B1, B2, C1, D1, EX1, EX2, F1, G1, S6, S7, and S8 were found as equal*
    a. Comments for Fixture C1: Fixture should be provided with white reflector.
    b. Comments for Fixture D1: Fixture should be provided with wireguard option.
    c. Comments for Fixtured G1: Fixture should be provided with prismatic acrylic internal lens, and clear polycarbonate external lens.
    d. Comments for Fixtures S6, S7, and S8: Fixtures to be 5000k color temperature and provided with anti-slip lens option.
2. MOBILE STORAGE SHELVING: Spacefile SDS Mechanical Assist mobile storage shelving in review*
3. SECURITY CEILING ASSEMBLIES: Armstrong Metalworks – Securelock in review*

* It is the contractor's responsibility for any costs associated with deviating from the basis of design that subsequently become apparent or that are apparent now. Costs associated could include but are not limited to additional structure, space constraints for equipment service, electrical power requirements (breaker/fuse sizing and wire sizing changes), and piping connection location modifications. The contractor shall ensure approved as equal equipment meets or exceeds all requirements found both on the drawings and in the specifications provided for this project. Any approved as equal equipment submitted may be rejected that does not satisfy the specifications. The Architect / Engineer has not redesigned the project around this substitution.

PROJECT MANUAL

1.

DRAWINGS

1. C001 – General Notes #35 modified per City of Milford. The General / Site Contractor shall be responsible for furnishing required City of Milford utility as-builts in accordance with their specifications.
2. C201 – Water system
    a. Two (2) 8" gate valves and (2) 6" gate valves added.
3. C301 – Water system
    a. Two (2) 8" gate valves and (2) 6" gate valves added, same as above.
    b. Domestic Water System Construction Notes revised.
4. C302 – City of Milford Utility General notes added
5. C401 – Roof Drain collection system – Additional cleanout and invert elevations provided for clarity.

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

6. C902 - 1" Water Meter and 2" Water Meter details added.

7. C903 – Building Lateral Cleanout Detail and Water Main/Utility Crossing Detail moved from sheet C902 to C903.
8. S101 – FOUNDATION PLAN
    a. ADD Section cuts 10/S201 and 7/S301
    b. Reinforcement changes in Footing F5
9. S102 – ROOF FRAMING PLAN
    a. ADD lateral movement connections at 2 beams
    b. ADD section cuts 15, 16, 17/S202
10. S201 – TYPICAL SECTIONS & DETAILS
    a. ADD detail 10/S201
11. S202 – TYPICAL SECTIONS & DETAILS
    a. ADD details 15, 16, 17/S202
12. S301 – TYPICAL SECTIONS & DETAILS
    a. ADD detail 7/S301
13. A001 – CONSTRUCTION TYPES – EXTERIOR WALLS, SLABS, FLOORS, ROOFS, AND SOFFITS
    a. Wall Type 8A: ADD notes at transition of brick to EIFS and EIFS on CMU.
    b. ADD special shaped brick profiles.
    c. UPDATE slab types 1, 2, 3 notes
14. A105 – FINISH FLOOR PLAN
    a. ADD General Finish Plan Notes
15. A202 – EXTERIOR ELEVATIONS
    a. REVISE character lettering note
16. A301 – BUILDING SECTIONS
    a. UPDATE exterior wall types
17. A302 – BUILDING SECTIONS
    a. UPDATE exterior wall types
18. A303 – WALL SECTIONS
    a. UPDATE exterior wall types
19. A304 – WALL SECTIONS
    a. UPDATE exterior wall types
20. A401 – ENLARGED PLANS
    a. 2/A401 – ADD 'Lockers' note at Property Storage 182
    b. 5, 6/A401 – UPDATE dimensions of stair run and rise
21. A501 – PLAN DETAILS
    a. 3, 4, 5, 10, 11, 12/A501 – REVISE gypsum sheathing note
22. A502 – PLAN DETAILS
    a. 2, 6/A501 – REVISE gypsum sheathing note
23. A503 – SECTION DETAILS
    a. 3, 4, 6 ,7, 9, 11/A501 – REVISE gypsum sheathing note
    b. 8, 11/A501 – ADD wd blocking per FRP manufacturer requirements
24. A603 – DOOR AND WINDOW DETAILS
    a. H13, H14, H15, H16, H17, J17, J18, S2, S3/A603 – Revise gypsum sheathing note

Attachments: C001, C201, C301, C302, C401, C902, C903, S101, S102, S201, S202, S301, A001, A105, A202, A301, A302, A303, A304, A401, A501, A502, A503, A603

END OF ADDENDUM NO. TWO

BECKER MORGAN GROUP ARCHITECTURE - ENGINEERING DOVER, DE SALISBURY, MD WILMINGTON, NC www.beckermorgan.com

GENERAL NOTES

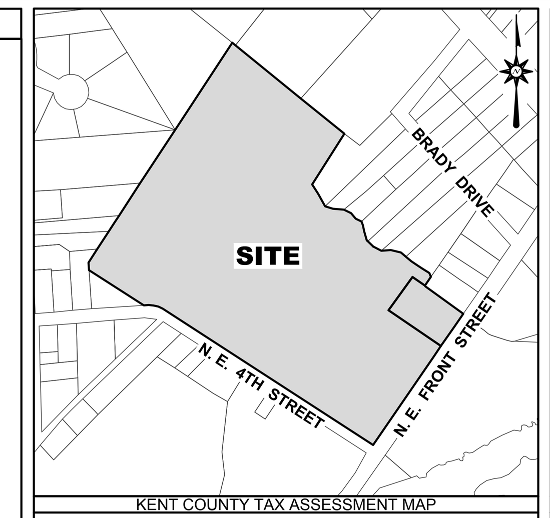
1. TOPOGRAPHIC AND BOUNDARY RETRACEMENT SURVEY WAS PREPARED BY BECKER MORGAN GROUP, DOVER, DE, IN OCTOBER OF 2018. VERTICAL DATUM IS BASED ON NGS MONUMENT GPS S6A (NAVD88) WITH TIES TO OTHER NEARBY PASSIVE NGS MONUMENTS. HORIZONTAL DATUM IS BASED ON ACTIVE NGS MONUMENTS DNRC- DELAWARE STATE PLANE NAD 83 (2011).
2. THE BOUNDARY LINES PORTRAYED HEREON HAVE BEEN ESTABLISHED BASED SOLELY ON PHYSICAL EVIDENCE DISCOVERED IN THE FIELD IN CONJUNCTION WITH DETERMINATIONS DERIVED FROM SOURCE OF TITLE AND ADJACENT DEED RECORD INFORMATION.
3. PROPERTY SHOWN HEREON IS SUBJECT TO ANY RIGHT-OF-WAY, EASEMENTS, RESTRICTIONS, ETC. AS MAY BE SHOWN OR NOTED IN ANY RECORD, PUBLIC OR OTHERWISE, OR ANY REQUIREMENT OR REGULATION OF ANY PUBLIC AGENCY.
4. A PORTION OF THE SITE IS LOCATED WITHIN THE ONE HUNDRED YEAR FLOOD PLAIN ZONE "AE" - ELEVATION 9, BASED ON FIRM MAP 10005C0041K, PANEL 41 OF 650, EFFECTIVE DATE 3/16/2015.
5. WETLANDS SHOWN HEREON WERE FIELD LOCATED BY BECKER MORGAN GROUP, AS DELINEATED BY WATERSHED ECO, LLC IN APRIL 2021.
6. THIS PROPERTY DOES NOT LIE WITHIN A SOURCE WATER PROTECTION AREA.
7. THE 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 SHALL BE NOTIFIED THREE (3) CONSECUTIVE WORKING DAYS PRIOR TO EXCAVATION, AT 1-800-282-8555.
8. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MATERIALS AND WORKMANSHIP SHALL MEET THE REQUIREMENTS OF THE CITY OF MILFORD STANDARD SPECIFICATIONS FOR INSTALLATION OF UTILITY CONSTRUCTION AND SUBDIVISION PAVEMENT DESIGN, AND ALL APPLICABLE AGENCIES HAVING JURISDICTION OVER THE PROPOSED IMPROVEMENTS.
9. USE ONLY SUITABLE AND APPROVED GRANULAR MATERIAL FOR BACK FILLING TRENCHES.
10. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL RIGHT-OF-WAY LINES AND PROPERTY LINES TO HIS OWN SATISFACTION. ANY DISTURBED AREAS BEYOND THE RIGHT-OF-WAY OR EASEMENT LINES SHALL BE RESTORED IMMEDIATELY TO THEIR ORIGINAL CONDITION.
11. ALL VALVE CLOSURES AND CUT-INS SHALL BE COORDINATED WITH THE CITY. CITY OFFICIALS WILL CARRY OUT ALL NECESSARY VALVE CLOSURES. CONTRACTOR SHALL COORDINATE ISOLATION OF EXISTING WATER MAINS WITH THE CITY AND NOTIFY AFFECTED RESIDENTS AT LEAST 48 HOURS PRIOR TO CUT-IN.
12. PIPELINE DETECTION TAPE SHALL BE COLOR CODED, APPROPRIATELY LABELED, AND INSTALLED 18 INCHES BELOW THE GROUND SURFACE AND DIRECTLY ABOVE ALL PROPOSED NON-METALLIC WATER MAIN, SEWER MAIN, SEWER LATERALS, AND WATER SERVICES.
13. CONDUCTIVE TRACER WIRE SHALL BE INSTALLED WITH ALL NON-METALLIC WATER PIPE AND SERVICES; AND ALONG ALL SEWER LATERALS AND FORCEMAIN. WIRE SHALL BE SECURED TO THE PIPE AND SHALL BE SECURELY BONDED TOGETHER AT ALL WIRE JOINTS WITH APPROVED WATERTIGHT CONNECTORS. TRACER WIRE SHALL BE ACCESSIBLE AT ALL VALVE BOXES, METER PITS, CLEANOUTS, AND AIR RELEASE VALVES.
14. PRIOR TO ISOLATION AND CUT-IN PROCEDURES, CONTRACTOR SHALL EXCAVATE, LOCATE, AND OBSERVE FUNCTION OF ALL EXISTING VALVES TO ASSIST IN THE SYSTEM ISOLATION.
15. SHOP DRAWINGS FOR ANY ITEM(S) WHICH WILL EVENTUALLY BE TAKEN OVER BY THE CITY SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF THE ITEM(S).
16. ALL SANITARY SEWER MAINS AND FORCEMAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES AND ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 42 INCHES AS MEASURED FROM THE TOP OF PIPE TO PROPOSED GRADE. SEWER LATERALS SHALL HAVE A MINIMUM DIAMETER OF SIX (6) INCHES AND HAVE A MINIMUM COVER OF 36 INCHES.

GENERAL NOTES

17. THERE SHALL BE A MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER MAINS AND FORCEMAINS OF 10 FEET, AS MEASURED FROM EDGE OF PIPE TO EDGE OF PIPE. THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN WATER MAINS AND SANITARY SEWER MAINS OR FORCEMAINS AT CROSSINGS. ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE AT CROSSINGS.
18. THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF 12 INCHES BETWEEN ANY STORM DRAIN PIPE AND ANY WATER MAIN OR SEWER MAIN. IF 12 INCHES CANNOT BE MAINTAINED, A MINIMUM OF SIX (6) INCHES IS REQUIRED AND PROVISIONS SHALL BE MADE ACCEPTABLE TO THE CITY OF MILFORD FOR PROPERLY ENCASING THE PIPE IN CONCRETE.
19. ALL ROADWAYS ARE TO BE SWEPT FREE OF SEDIMENT ON A DAILY BASIS.
20. THE CONTRACTOR SHALL REMOVE AND IMMEDIATELY REPLACE, RELOCATE, RESET OR RECONSTRUCT ALL OBSTRUCTIONS IN THE WORK AREA, INCLUDING, BUT NOT LIMITED TO, MAILBOXES, SIGNS, LANDSCAPING, LIGHTING, PLANTERS, CULVERTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, FENCES, OR OTHER NATURAL OR MAN-MADE OBSTRUCTIONS. TRAFFIC CONTROL REGULATORY, WARNING AND INFORMATIONAL SIGNS SHALL REMAIN FUNCTIONAL AND VISIBLE TO THE APPROPRIATE LANES OF TRAFFIC AT ALL TIMES, WITH THEIR RELOCATION KEPT TO A MINIMUM DISTANCE. THE COST SHALL BE INCLUDED IN THE COST OF ITEMS BID.
21. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT PAVING IS INSTALLED TO THE ELEVATIONS SHOWN AND THAT NO PONDING OF WATER WILL OCCUR AFTER PAVING IS COMPLETE.
22. ALL FIRE LANES, FIRE HYDRANTS, EXITS, AND STANDPIPES WILL BE MARKED IN ACCORDANCE WITH STATE FIRE PREVENTION REGULATIONS.
23. DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STUMPS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING THE EXCAVATION FOR STRUCTURES AND UTILITY LINES ON AND OFF SITE MUST BE REMOVED AND PROPERLY DISCARDED. ANY REMEDIAL ACTION REQUIRED IS THE RESPONSIBILITY OF THE OWNER.
24. DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE PERFORMED IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AS AMENDED AND ALL RULES AND REGULATIONS THERETO APPURTENANT.
25. CONTRACTOR SHALL GRADE, TOPSOIL, SEED AND MULCH ALL DISTURBED AREAS OF CONSTRUCTION, INCLUDING PIPE INSTALLATION OR DITCH CONSTRUCTION. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL SLOPES GREATER THAN 3:1.
26. A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF DELAWARE SHALL BE RESPONSIBLE FOR PERMANENTLY RE-ESTABLISHING ANY PROPERTY MARKERS OR MONUMENTS DISTURBED DURING CONSTRUCTION. A SURVEY AND METES AND BOUNDS THAT INCLUDES THE RE-ESTABLISHED MARKER(S) OR MONUMENT(S) SHALL BE PRESENTED TO THE PROPERTY OWNER FOR COMPARISON WITH THE ORIGINAL PLAT, FOR VERIFICATION.
27. THE CITY OF MILFORD WILL BE RESPONSIBLE FOR THE SHORT TERM (DURING CONSTRUCTION) MAINTENANCE OF THE STORMWATER MANAGEMENT AND STORM SEWER SYSTEMS.
28. THE CITY OF MILFORD WILL BE RESPONSIBLE FOR THE LONG TERM (AFTER FINAL ACCEPTANCE BY THE CITY) MAINTENANCE OF THE STORMWATER MANAGEMENT AND STORM SEWER SYSTEMS.
28. THE CITY OF MILFORD WILL ASSUME OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF WATER AND SEWER PIPES AND APPURTENANCES INSTALLED WITHIN CITY RIGHT-OF-WAY, AND EASEMENTS DEDICATED TO THE CITY; AND, ALL STORM SEWER PIPES AND CATCH BASINS FULLY WITHIN CITY RIGHT-OF-WAY, AFTER ALL ITEMS HAVE PASSED CITY INSPECTION; AFTER THE CITY HAS RECEIVED AND APPROVED DIGITAL AND HARD COPIES OF THE RECORD DRAWINGS; AFTER THE RIGHTS-OF-WAY HAVE BEEN DEEDED TO THE CITY; AND AFTER ALL THE WATER, SEWER, AND STORM SEWER ITEMS HAVE BEEN TRANSFERRED TO THE CITY BY BILL OF SALE.
29. SEWER AND WATER CAPACITY ARE NOT GUARANTEED UNTIL BUILDING PERMITS ARE ISSUED, ALL FEES ARE PAID, AND SUITABLE UTILITIES ARE IN PLACE FOR PROPER CONVEYANCE, TREATMENT, AND DISPOSAL.
30. PRELIMINARY APPROVAL FROM PLANNING COMMISSION SHALL BE VOID AFTER ONE (1) YEAR, UNLESS AN EXTENSION IS REQUESTED BY THE OWNER AND APPROVED FOR GOOD CAUSE BY THE PLANNING COMMISSION PRIOR TO THE DATE OF EXPIRATION.

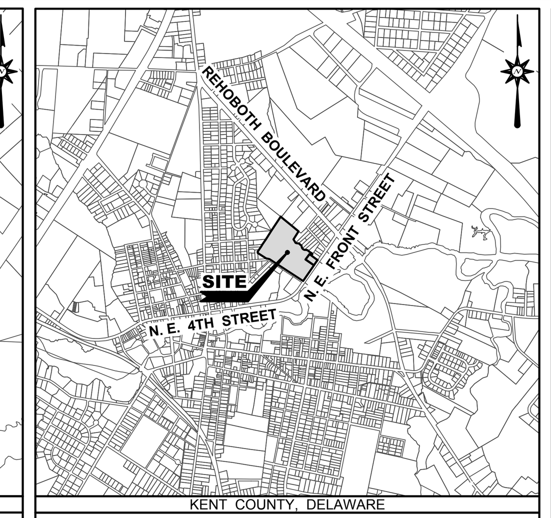
GENERAL NOTES

31. THE APPROVAL OF A CONDITIONAL USE IS VALID FOR ONE YEAR. UNLESS PERMITS ARE OBTAINED OR CONSTRUCTION OR USE IS SUBSTANTIALLY UNDERWAY, ALL PROVISIONS OF THE CONDITIONAL USE ARE AUTOMATICALLY RESCINDED.
FINAL APPROVAL FROM THE CITY SHALL BECOME VOID IF THE FINAL RECORD PLAT IS NOT RECORDED WITHIN 90 DAYS OF THE DATE OF PLANNING COMMISSION'S GRANTING OF FINAL APPROVAL. IF CONSTRUCTION OF THE APPROVED IMPROVEMENTS IS NOT SUBSTANTIALLY UNDERTAKEN WITHIN ONE (1) YEAR OF FINAL SITE PLAN APPROVAL, THE SITE PLAN APPROVAL SHALL BE VOID. THE APPLICANT MAY REQUEST A ONE (1) YEAR EXTENSION FROM THE PLANNING COMMISSION FOR GOOD CAUSE.
32. THE APPLICANT IS RESPONSIBLE TO ENSURE THAT ALL CITY AND/OR AGENCY CONSTRUCTION PERMIT APPLICATIONS HAVE BEEN COMPLETED, SUBMITTED, AND ALL APPLICABLE FEES HAVE BEEN PAID PRIOR TO COMMENCING CONSTRUCTION. THE CITY SHALL NOT BE HELD RESPONSIBLE FOR AN ANTICIPATED CONSTRUCTION START DATE THAT IS NOT MET DUE TO THE APPLICANT OR HIS/HER CONTRACTOR NOT HAVING MET THE CONSTRUCTION PERMITTING REQUIREMENTS.
33. AS A CONDITION OF THE APPROVAL OF THE CONSTRUCTION DRAWINGS, AND PRIOR TO THE START OF CONSTRUCTION, THE APPLICANT WILL BE REQUIRED TO ENTER INTO A FORMAL DEVELOPMENT AGREEMENT WITH THE CITY AND TO POST A COMPLETION GUARANTY FOR ANY IMPROVEMENTS WHICH WILL EVENTUALLY BE TAKEN OVER BY THE CITY. THE GUARANTY SHALL BE IN AN AMOUNT EQUAL TO 150% OF THE COST OF THE IMPROVEMENTS AS ESTIMATED OR APPROVED BY THE CITY ENGINEER. THE GUARANTY SHALL BE IN THE FORM OF A BOND OR FUNDS DEPOSITED IN AN ESCROW ACCOUNT. THE PUBLIC WORKS AGREEMENT AND THE GUARANTY SHALL BE REVIEWED AND APPROVED BY THE CITY SOLICITOR. THE COMPLETION GUARANTEE SHALL NOT BE RELEASED UNTIL A MAINTENANCE BOND IN THE AMOUNT OF 10% OF THE IMPROVEMENTS HAS BEEN SUBMITTED.
34. A MAINTENANCE BOND IN THE AMOUNT OF 10%%% OF THE CONSTRUCTION VALUE FOR ANY CONSTRUCTED IMPROVEMENTS AND A PERFORMANCE BOND IN THE AMOUNT OF 125%%% OF THE CONSTRUCTION VALUE FOR ANY UNCOMPLETED WORK SHALL BE PROVIDED IN ORDER TO ACHIEVE FINAL COMPLETION OF THE IMPROVEMENTS AND RELEASE OF ANY COMPLETION GUARANTY. THE MAINTENANCE PERIOD SHALL BE A MINIMUM OF ONE YEAR AND ALL CONSTRUCTION VALUES MUST BE SUBMITTED TO, REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE ISSUANCE OF ANY BONDS.
35. UPON COMPLETION OF THE CONSTRUCTION IMPROVEMENTS AND PRIOR TO THE RELEASE OF ANY DEVELOPER'S COMPLETION GUARANTEE, THE DEVELOPER SHALL PROVIDE THE CITY ENGINEER A DRAFT PAPER SET OF DETAILED RECORD PLANS (PLAN VIEW AND PROFILE SHEETS). RECORD INFORMATION SHALL BE PLACED ON THE APPROPRIATE APPROVED DRAWINGS. ORIGINAL DESIGN ELEVATION AND/OR DISTANCE INFORMATION SHALL BE STRUCK THROUGH WITH A FINE LINE AND THE RECORD INFORMATION SHALL BE INSERTED NEXT TO IT. WHEN THE DRAFT SET OF DRAWINGS HAS BEEN APPROVED BY THE CITY, THREE (3) FINAL PAPER COPIES SHALL BE SUBMITTED, SIGNED AND SEALED BY THE OWNER'S ENGINEER OR SURVEYOR. ADDITIONALLY, A CD SHALL BE PROVIDED WITH DIGITAL RECORD INFORMATION IN AUTOCAD FORMAT (VERSION 2018 OR LATER). THE DIGITAL INFORMATION SHALL BE ON DELAWARE STATE PLANE, NAD 83 HORIZONTAL CONTROL AND NAVD88 VERTICAL CONTROL. RECORD PLAN INFORMATION SHALL INCLUDE SURVEYED AS-BUILT ELEVATIONS AND HORIZONTAL LOCATIONS OF THE FOLLOWING:
   A. ALL PROPERTY MONUMENTS/MARKERS;
   B. SEWER MANHOLE RIM & INVERT ELEVATIONS, WITH ASSOCIATED PIPE SIZES & MATERIALS NOTED, PUMP STATION RIM, BOTTOM & INVERT ELEVATIONS WITH ASSOCIATED PIPE SIZES & MATERIALS NOTED, FORCEMAIN INVERT ELEVATIONS EVERY 50 FEET, FORCEMAIN AIR RELEASE VALVE RIM & INVERT ELEVATIONS, SEWER CLEANOUT RIM & INVERT ELEVATIONS, AND GREASE TRAP RIM, BOTTOM & INVERT ELEVATIONS;
   C. WATER VALVES, FIRE HYDRANTS, METER VAULTS, METER PITS, AND CURB STOPS;
   D. STORM SEWER CATCH BASIN AND/OR MANHOLE GRATE, RIM & INVERT ELEVATIONS WITH ASSOCIATED PIPE SIZES & MATERIALS NOTED; AND
   E. ANY OTHER ITEM WHICH WILL BE TAKEN OVER BY THE CITY.
36. THE CONTRACTOR SHALL NOTIFY THE CITY A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION AND SCHEDULE A PRE-CONSTRUCTION MEETING. THE SITE CONTRACTOR AND THE OWNER, OR HIS/HER REPRESENTATIVE SHALL BE IN ATTENDANCE. CITY OF MILFORD (302) 422-6616



KENT COUNTY TAX ASSESSMENT MAP

VICINITY MAP SCALE : 1" = 400'



KENT COUNTY, DELAWARE

LOCATION MAP SCALE: 1" = 2500'

SITE DATA

1. OWNER OF RECORD:	CITY OF MILFORD 201 S WALNUT STREET MILFORD, DE 19963	
2. ENGINEER / SURVEYOR:	BECKER MORGAN GROUP INC. 309 SOUTH GOVERNORS AVE. MILFORD, DELAWARE 19904 302-734-7950	
3. PROPERTY ADDRESS:	401 & 409 NE FRONT STREET MILFORD, DE 19963	
4. TAX PARCEL NUMBER:	5-16-183.07-01-65.00-00001 5-16-183.07-01-56.00-00001	
5. DEED REFERENCE :	9490-124 & 9490-120	
6. PARCEL AREA:	P-65.00: 15.80 ACRES ± (DEED) P-56.00: 0.56 ACRES ± (DEED) AS SURVEYED: 16.21 ACRES ±	
7. PRESENT USE:	OPEN LOT (PARCEL 65.00) / AUTO SERVICE (PARCEL 56.00)	
8. PROPOSED USE:	POLICE STATION	
9. EXISTING ZONING:	R3 - GARDEN APARTMENT AND TOWNHOUSE DISTRICT C3 - HIGHWAY COMMERCIAL DISTRICT	
9. PROPOSED ZONING:	R3 - GARDEN APARTMENT AND TOWNHOUSE DISTRICT C3 - HIGHWAY COMMERCIAL DISTRICT	
10. IMPERVIOUS COVERAGE	EXISTING: 7,843 S.F. (0.18 ACRES) PROPOSED: 140,315 S.F. (3.22 ACRES)	
11. PARKING CALCULATIONS:	R3 - GOVERNMENT OFFICE (1 PER 100 S.F. GROSS FLOOR AREA) REQUIRED: (9,500 S.F. / 100 S.F.) = 95 SPACES R3 - COMMUNITY ASSEMBLY SPACE (1 PER 40 S.F. GROSS FLOOR AREA) REQUIRED: (2,600 S.F. / 40 S.F.) = 65 SPACES TOTAL REQUIRED: 160 SPACES PROVIDED: 160 SPACES HANDICAP SPACES: 3 SPACES	
12. SETBACKS:	R3 - GARDEN APARTMENT AND TOWNHOUSE DISTRICT FRONT YARD: 30 FEET SIDE YARD: 8 FEET REAR YARD: 15 FEET C3 - HIGHWAY COMMERCIAL DISTRICT FRONT YARD: 30 FEET SIDE YARD: 20 FEET MINIMUM EACH, 50 FEET AGGREGATE REAR YARD: 50 FEET	
13. BULK REQUIREMENTS:	R3 - GARDEN APARTMENT AND TOWNHOUSE DISTRICT MINIMUM LOT AREA: 7,500 S.F. BUILDING HEIGHT: 35 FEET IMPERVIOUS COVERAGE: 45% MAX MINIMUM LOT WIDTH: 60 FEET OPEN SPACE: N/A	PROPOSED 16.21 AC 34.5 FEET 20% 550 FEET N/A
	C3 - HIGHWAY COMMERCIAL DISTRICT MINIMUM LOT AREA: 1 ACRE BUILDING HEIGHT: 35/60 FEET IMPERVIOUS COVERAGE: 80% MAX MINIMUM LOT WIDTH: 170 FEET OPEN SPACE: N/A	PROPOSED 16.21 AC 34.5 FEET 20% 550 FEET N/A
14. ROAD CLASSIFICATIONS:	NE FRONT STREET - MINOR ARTERIAL (35 M.P.H.) NE 4TH STREET - LOCAL ROAD (25 M.P.H.)	
15. SURVEY DATUM:	NGS MONUMENTS VERTICAL: NAVD 88 - GPS S6A HORIZONTAL: NAD 83 (2011) - CORS	
16. MONUMENTATION:	6 FOUND / 5 SET	
17. SURVEY UNIT:	LINEAR: US SURVEY FOOT ANGULAR: DEGREES MINUTES SECONDS (DMS) COORDINATE TYPE: GROUND	
18. UTILITIES	SOURCE OF WATER: CITY OF MILFORD SOURCE OF SEWER: CITY OF MILFORD SOURCE OF GAS: TBD SOURCE OF ELECTRIC: DELMARVA POWER	
19. NUMBER OF EDU'S:	TBD	
20. PRESENCE OF WETLANDS:	SEE GENERAL NOTE NUMBER 5.	
21. 100-YEAR FLOOD PLAIN:	100 YEAR FLOODPLAIN PRESENT. SEE GENERAL NOTE 4.	
22. SOURCE OF WATER PROTECTION:	SITE NOT LOCATED WITHIN A WELLHEAD PROTECTION AREA OR RECHARGE AREA.	

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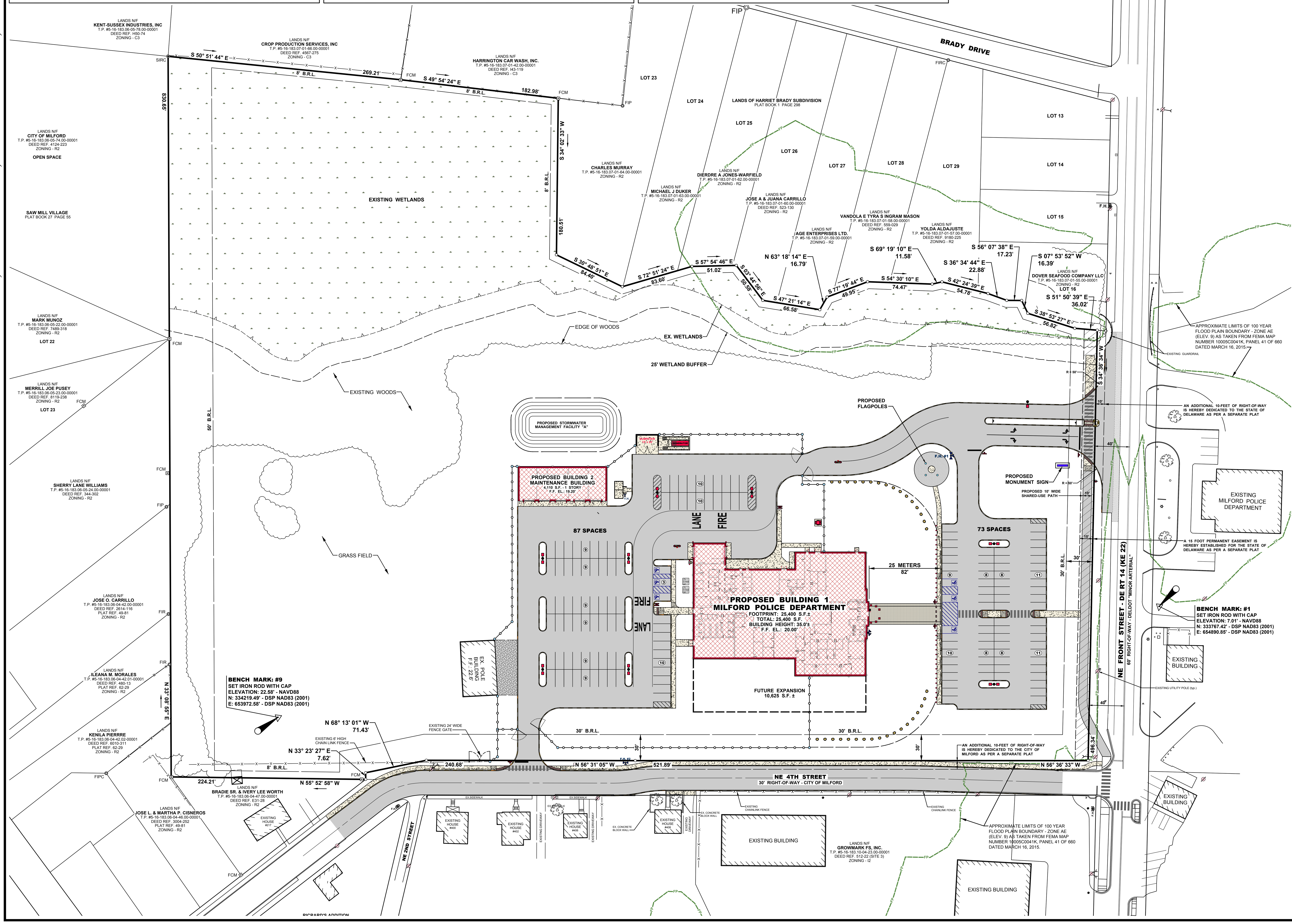

CITY ENGINEERS APPROVAL

CONSTRUCTION IMPROVEMENTS PLANS HAVE BEEN REVIEWED AND ARE FOUND TO BE IN GENERAL CONFORMANCE WITH THE CITY OF MILFORD CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR SEWER AND WATER. THE OWNER AND HIS ENGINEER AND/OR SURVEYOR ASSUME ALL RESPONSIBILITY FOR DESIGN AND ACCURACY OF INFORMATION SHOWN HEREON.

CITY ENGINEER ________ DATE ________

CITY OF MILFORD APPROVAL

CITY MANAGER: MARK WHITFIELD ________ DATE ________

WETLAND CERTIFICATION

THIS PROPERTY, TAX MAP # **5-16-183.07-01-65.00-00001 & 5-16-183.07-01-56.00-00001**, HAVE BEEN EXAMINED BY WATERSHED ECO, LLC FOR THE PRESENCE OF SUBAQUEOUS LANDS AND STATE REGULATED WETLANDS AS ESTABLISHED BY THE REVIEWING AGENCIES IN THE FORM OF MANUALS, POLICIES AND PROCEDURES IN PLACE AT THE TIME THAT THE INVESTIGATION WAS CONDUCTED. THE WETLAND INFORMATION CONTAINED IN THIS PLAN SET IS IN ACCORDANCE WITH THIS CRITERIA.

JAMES C. MCCULLEY, IV, PWS ________ DATE ________

OWNERS CERTIFICATION

WE, CITY OF MILFORD, HEREBY CERTIFY THAT WE ARE THE OWNER OF THE PROPERTY DESCRIBED AND SHOWN ON THIS PLAN, THAT THE PLAN WAS MADE AT OUR DIRECTION, AND THAT WE ACKNOWLEDGE THE SAME TO BE OUR ACT AND DESIRE THE PLAN TO BE DEVELOPED AS SHOWN IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

SIGNATURE ________ DATE ________

ENGINEERS CERTIFICATION

I, JONATHAN S. FALKOWSKI, P.E, HEREBY CERTIFY THAT I AM A REGISTERED ENGINEER IN THE STATE OF DELAWARE, THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION AND TO MY BEST KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF DELAWARE.

JONATHAN S. FALKOWSKI ________ P.E. NO. 18828 ________ DATE ________

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C-301	UTILITIES PLAN
C-302	SANITARY SEWER PROFILE
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C-500	SEDIMENT & STORMWATER COVER SHEET
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C-504 - C-507	CONSTRUCTION SITE DETAILS AND NOTES
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L-101	LANDSCAPE PLAN

PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

COVER SHEET

0 25 50 100

SCALE: 1" = 50'

ISSUE BLOCK

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
B	03-04-22	ADDENDUM 02

LAYER STATE: C-001

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	AS SHOWN
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET

C-001

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GENERAL CONSTRUCTION NOTES

G-1 INSTALL FULL DEPTH **HEAVY DUTY** BITUMINOUS PAVEMENT SECTION (**7,632 S.Y.**), SEE DETAIL SHEET C-901.
G-2 INSTALL FULL DEPTH **LIGHT DUTY** BITUMINOUS PAVEMENT SECTION (**2,941 S.Y.**), SEE DETAIL SHEET C-901.
G-3 PROPOSED P.C.C. CURB TYPE 1-6 (TYP.). SEE DETAIL, SHEET C-901.
G-4 INSTALL CONCRETE SIDEWALK (WIDTH VARIES SEE PLAN). SEE CONCRETE SIDEWALK DETAIL, SHEET C-901.
G-5 INSTALL ACCESSIBLE RAMP IN ACCORDANCE WITH LATEST A.D.A. STANDARDS. 12:1 MAX SLOPE. SEE DETAIL SHEET C-901.
G-6 INSTALL POLYETHYLENE PARKING BUMPER BLOCKS IN FRONT OF EACH ACCESSIBLE PARKING SPACE **(17 REQUIRED).**
G-7 CONTRACTOR TO TAPER LAST 4' OF CURB. SEE CURB TAPER DETAIL, SHEET C-901.
G-8 PROPOSED LIGHT FIXTURE. SHOWN FOR REFERENCE ONLY. SEE SITE ELECTRICAL DRAWINGS FOR DETAILS.
G-9 PROPOSED CONCRETE FIRE ACCESS LANE. SEE 8" CONCRETE SLAB DETAIL, SHEET C-901.
G-10 DEPRESS CURB IN FRONT OF THE HANDICAPPED PARKING THE ENTIRE LENGTH.
G-11 PROPOSED COLLAPSIBLE BOLLARDS, FOUR (4) TOTAL. SEE FIRE LANE COLLAPSIBLE BOLLARD DETAIL, SHEET C-901.
G-12 PROPOSED 7.0' HIGH, WHITE, VINYL PRIVACY FENCING BY EASTERN SHORE VINYL PRODUCTS, TONGUE & GROOVE STYLE WITH ALUMINUM INSERT POSTS. FENCE SHALL INCLUDE HORIZONTAL STEEL "J" CHANNELS AND BE CONSTRUCTED FOR HIGH WIND LOAD ENVIRONMENT. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL. **(1,110 LINEAR FEET)**
G-13 PROPOSED (2) 6' x 15' MOTORIZED UPWARD LIFT GATES. VEHICLE GATES SHALL BE WHITE, PROVIDE 100% VISIBLE BLOCK AND UTILIZE A LOUVERED DESIGN TO REDUCE WIND LOAD. PROVIDE EMERGENCY ACCESS FIRE SWITCH WITH KNOX BOX.
G-14 PROPOSED **MAINTENANCE BUILDING CONCRETE APRON (616 S.F.).** SEE **8"** CONCRETE SLAB DETAIL.
G-15 PROPOSED **SALLYPORT CONCRETE APRON (232 S.F.).** SEE **8"** CONCRETE SLAB DETAIL.
G-16 PROPOSED 12'W x 24'L DUMPSTER / RECYCLING BIN ENCLOSURE. SEE DUMPSTER ENCLOSURE DETAIL, SHEET C-903.
G-17 INSTALL ADA COMPLIANT CURB RAMP TYPE 1 (12:1 MAXIMUM SLOPE) WITH TRUNCATED DOMES PER DELDOT STANDARD DETAIL NO. 2.
G-18 INSTALL 5' WIDE CONCRETE SIDEWALK ALONG N.E. 4TH. STREET **(4,288 S.F.).** SEE CONCRETE SIDEWALK DETAIL, SHEET C-901.
G-19 INSTALL CONCRETE SIDEWALK AND CONCRETE DRIVEWAY APRON IN FRONT OF HOUSE #408 (WIDTH VARIES SEE PLAN). SEE CONCRETE SIDEWALK AND APRON DETAIL DETAIL, SHEET C-901.
G-20 PROPOSED CANINE PENS. TWO 10' x 10' CONCRETE PADS WITH 6' HIGH, BLACK VINYL COATED CHAIN LINK FENCE AND 3' WIDE GATES.
G-21 INSTALL 641 x 25'W GRAVEL APRON (1,555 S.F.) IN FRONT OF THE EXISTING POLE BUILDING, SEE DETAIL SHEET C-901.
G-22 PROPOSED LOCATION OF FLAG POLES. THREE (3) TOTAL. SEE SPECIFICATIONS AND FLAG POLE BASE DETAIL, SHEET C-901. SEE LANDSCAPING FOR PAVER DETAILS.
G-23 INSTALL 6" PIPE BOLLARDS AT BUILDING CORNERS, IN FRONT OVER OVERHEAD DOORS, IN FRONT OF THE GAS METER AND ADJACENT TO THE CARD READERS **(12 REQUIRED).** SEE PIPE BOLLARD DETAIL.
G-24 PROPOSED SECURITY BOULDERS **(34± REQUIRED)**. BOULDERS SHALL BE "PA FIELDSTONE BOULDERS" BY BRANDYWINE QUARRY, OR APPROVED EQUAL. SIZE SHALL BE 1.5 TO 2 TONS EACH, APPROXIMATELY 30" HIGH, 30-40" LONG, 24" WIDE. BOULDERS SHALL BE PLACED AS SHOWN HEREON WITH A MAXIMUM CLEARANCE OF 5 FT. BETWEEN ADJACENT BOULDERS.
G-25 PROPOSED REMOTE CONTROLLED A/V MONITORED GATE SYSTEM. INSTALL P.C.C. CURB TYPE 1-6 (TYP.) AND TWO (2) 4" PIPE BOLLARDS TO PROTECT EQUIPMENT AS SHOWN. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO ACCESS SYSTEM.
G-26 PROPOSED REMOTE CONTROLLED SALLY PORT DOOR GATE SYSTEM. INSTALL P.C.C. CURB TYPE 1-6 (TYP.) AND TWO (2) 4" PIPE BOLLARDS TO PROTECT EQUIPMENT AS SHOWN. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO ACCESS SYSTEM.

STRIPING & SIGNAGE CONSTRUCTION NOTES

T-1 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID YELLOW FIRE LANE (typ.). IN ADDITION, FIRE LANE STRIPING REQUIRES THAT CURB, WHEN PRESENT, IS ALSO PAINTED YELLOW IN ACCORDANCE WITH THE DSFPR.
T-2 INSTALL **"FIRE LANE"** SIGN **(2 REQUIRED)** PER DETAIL, SHEET C-901.
T-3 INSTALL **"FIRE LANE"** (DOUBLE SIDED) SIGN **(2 REQUIRED)** PER DETAIL, SHEET C-901.
T-4 PROPOSED **"FIRE LANE"** PAVEMENT DEMARCATION IN ACCORDANCE WITH THE LATEST DELAWARE STATE FIRE PREVENTION REGULATION.
T-5 PROPOSED **"STOP" SIGN** 36" x 36" (R1-1) IN ACCORDANCE WITH LATEST "DE MUTCD". SEE DELDOT STANDARD DETAIL T-15 FOR BREAKAWAY SIGN POST ASSEMBLY.
T-6 PROPOSED THERMO STOP BAR - 16" WIDE PLACED 4' BEHIND PEDESTRIAN CROSSWALK.
T-7 PROPOSED THERMO "PIANO KEY" PEDESTRIAN CROSSWALK - 24" WIDE SOLID WHITE LINES WITH 24" SPACING. SEE DETAIL.
T-8 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID WHITE LINE (PARKING SPACE STRIPING TYP.).
T-9 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID WHITE LINES, 45° @ 4' O.C. SPACING - NO PARKING (TYP.).
T-10 PROPOSED "HANDICAP PARKING" SIGN **(3 REQUIRED)**. SEE DETAIL SHEET C-901.
T-11 PROPOSED "VAN ACCESSIBLE HANDICAP PARKING" SIGN **(2 REQUIRED)**. SEE DETAIL SHEET C-901.
T-12 PROPOSED THERMO ACCESSIBLE SYMBOL **(6 SPACES)**. SEE DETAIL SHEET C-901.
T-13 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID BLUE ACCESSIBLE PARKING SPACE (TYP).
T-14 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID ACCESSIBLE BLUE LINES, 45° @ 4' O.C. SPACING (TYP.).
T-15 PROPOSED THERMO WHITE ARROW IN ACCORDANCE WITH THE LATEST "DE MUTCD."
T-16 PROPOSED EPOXY RESIN STRIPING - 5" WIDE SOLID WHITE LINE.
T-17 PROPOSED EPOXY RESIN STRIPING - 5" WIDE SOLID YELLOW LINE.
T-18 PROPOSED MONUMENT SIGN. SEE ARCHITECTURAL PLANS FOR DETAILS. NOTE THAT SIGNAGE IS SUBJECT TO A SEPARATE SIGN PERMIT TO BE SUBMITTED BY SIGN CONTRACTOR.
T-19 PROPOSED **"KEEP RIGHT"** SIGN (R4-7) IN ACCORDANCE WITH LATEST "DE MUTCD" (2 REQUIRED). SEE DELDOT STANDARD DETAIL T-15 FOR BREAKAWAY SIGN POST ASSEMBLY.

FIRE MARSHAL GENERAL NOTES

1. ALL FIRE LANES, FIRE HYDRANTS, AND FIRE DEPARTMENT CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH THE DELAWARE STATE FIRE PREVENTION REGULATIONS (DSFPR).
2. ALL BUILDING WITH SPRINKLER SYSTEMS SHALL BE MONITORED AND KNOX BOXES SHALL BE PROVIDED AND INSTALLED ADJACENT TO THE MAIN ENTRANCE DOOR.
3. ADDRESS NUMBERS OF AT LEAST 12 INCHES IN HEIGHT MUST BE PLACED ON THE STREET SIDE OF THE BUILDING VISIBLE FROM THE STREET.
4. ANY NATURAL OF LP GAS BOTTLES, METERS, REGULATORS, ETC. MUSH HAVE IMPACT PROTECTION.
5. ANY GAS FIRED HVAC EQUIPMENT MUST BE EQUIPPED WITH EMERGENCY CUT OFF SWITCHES REMOTELY LOCATED.
6. THE FIRE DEPARTMENT CONNECTION **(F.D.C.)** SHALL BE A 5" STORZ, 30° ANGLE.
7. THE EXISTING BUILDING AND THE PROPOSED BUILDING ADDITIONS SHALL MEET THE LARGE AREA BUILDING REQUIREMENTS OF THE DSFPR - REGULATION 702, CHAPTER 5, SECTION 3.
8. THE EXISTING BUILDING AND THE PROPOSED BUILDING ADDITIONS SHALL HAVE HORIZONTAL STANDPIPES INSTALLED IN ACCORDANCE THE DSFPR AND NFPA 14.
9. THE EXISTING BUILDING AND THE PROPOSED BUILDING ADDITIONS SHALL BE PROTECTED BY AUTOMATIC SPRINKLERS IN ACCORDANCE WITH NFPA 13.
10. FIRE HYDRANT FLOW TEST DATA: STATIC PRESSURE: __ PSI
RESIDUAL PRESSURE: __ PSI
ACTUAL FLOW: ____ GPM
CALCULATED FLOW: ____ GPM @ __ PSI
LOCATION: _____
FLOW DATA PROVIDED BY THE CITY OF MILFORD, TEST PERFORMED ON _____

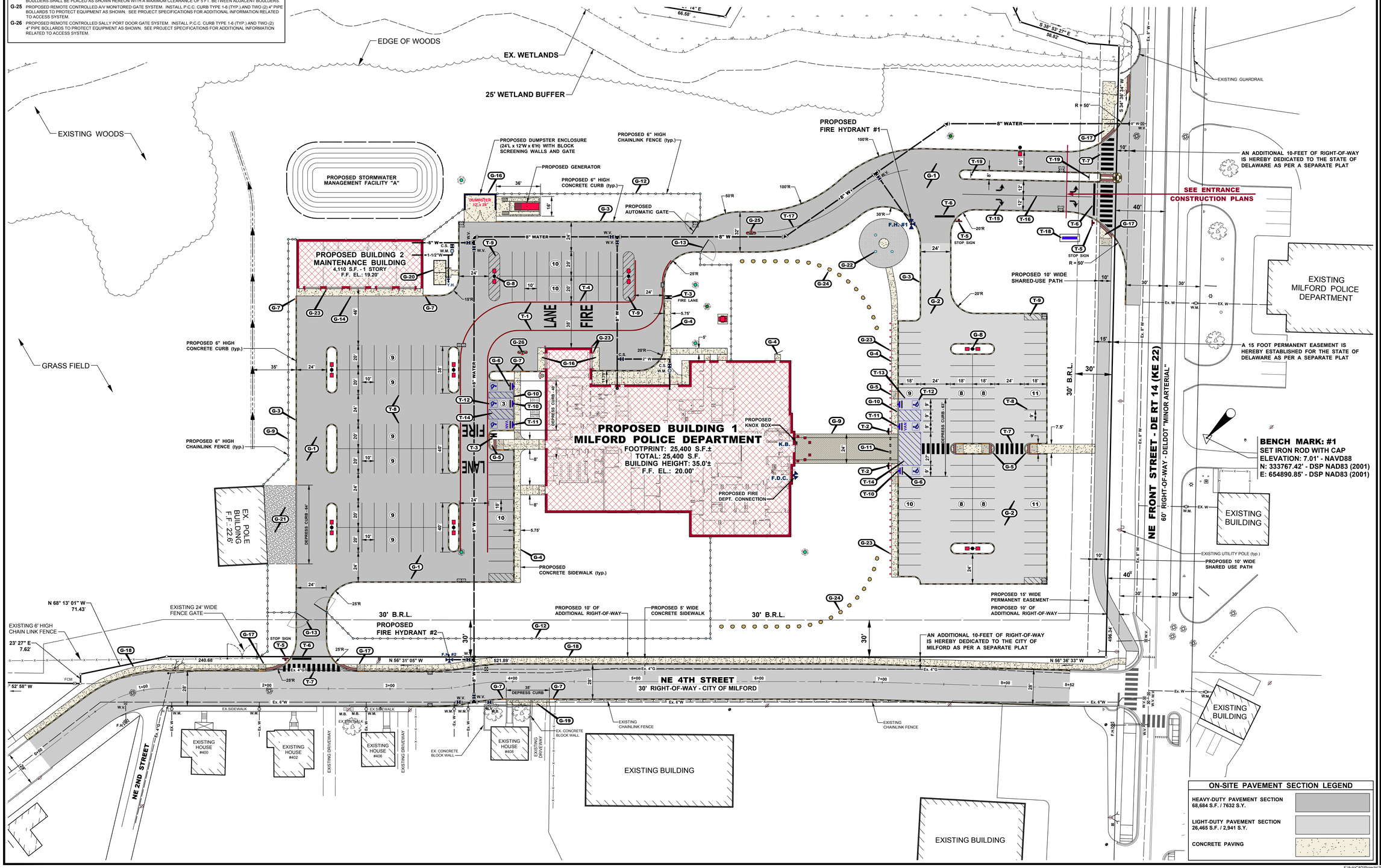
BUILDING DATA

	BUILDING NUMBER	FOOTPRINT AREA	NUMBER OF FLOORS	GROSS FLR. AREA	BLDG. HEIGHT	BLDG. TYPE NFPA
MILFORD POLICE DEPT.	1	26,660 S.F.	1	26,660 S.F.	35'±	TYPE II-000
MAINTENANCE BLDG.	2	4,110 S.F.	1	4,110 S.F.	25'±	TYPE II-000
TOTAL		30,770 S.F.		30,770 S.F.		

LEGEND

ITEM	EXISTING	PROPOSED
CONCRETE CURB & GUTTER		
CONCRETE SIDEWALK, SLAB / PAVING		
IMPERVIOUS SURFACED ROAD, DRIVE OR PARKING LOT		N/A
INDIVIDUAL TREE OR BUSH	EVERGREEN DECIDUOUS	
WIRE FENCE		
CHAINLINK FENCE		
STOCKADE FENCE		
STRUCTURE (CONCRETE, WOOD, METAL, ETC.)		
DRAINAGE DITCH OR SWALE		
EMBANMENT SIDESLOPES (DOWN)		
CONTOUR	66	66
ELEVATION SPOT SHOT	43.55	25.50 T.C. 25.00 B.C.
BENCH MARK	25.15	N/A
PROPERTY OR RIGHT-OF-WAY LINE		
CENTERLINE		
LIGHT POLE		

ITEM	EXISTING	PROPOSED
SANITARY GRAVITY SEWER LINE, SIZE & FLOW DIRECTION	EX. 10"S	10" S
SANITARY SEWER FORCE MAIN, SIZE & FLOW DIRECTION	EX. 10" F.M.	12" F.M.
SANITARY SEWER MANHOLE (S.M.H.)		
SANITARY SEWER CLEANOUT		
WATER MAIN & SIZE	EX. 10" W	12" W
FIRE HYDRANT	F.H.	F.H.
WATER VALVE (W.V.) OR METER (W.M.)	W.M. W.V.	W.M. W.V.
STORM DRAIN MANHOLE (S.D.M.H.)		
STORM DRAIN LINE (CMP OR RCP)		
CATCH BASIN		
UTILITY POLE W/ OVERHEAD SERVICE (TELEPHONE OR ELECTRIC OR BOTH)		
UNDERGROUND ELECTRIC	U.E.	U.E.
UNDERGROUND TELEPHONE	U.T.	U.T.
UNDERGROUND GAS MAIN	EX. 2" G	2" G
PAVEMENT TO BE REMOVED	N/A	



ON-SITE PAVEMENT SECTION LEGEND

HEAVY-DUTY PAVEMENT SECTION 68,684 S.F. / 7632 S.Y.
LIGHT-DUTY PAVEMENT SECTION 26,465 S.F. / 2,941 S.Y.
CONCRETE PAVING

BECKER MORGAN GROUP

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

STRIPING, SIGNAGE & FIRE PROTECTION SITE PLAN

SCALE: 1" = 30'

ISSUE BLOCK

MARK	DATE	DESCRIPTION
		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	1" = 30'
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET
C-201

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DOMESTIC WATER SYSTEM CONSTRUCTION NOTES

W-1 CONNECT THE PROPOSED 8" DIA. C900, DR 18 PVC WATER MAIN TO THE EXISTING 8" STUB RECENTLY INSTALLED BY THE CITY OF MILFORD.

W-2 INSTALL 8" DIA. C900, DR-18 PVC WATER MAIN FROM N.E. FRONT STREET TO N.E. 4TH. STREET AT THE LOCATION SHOWN HEREON (**955 LINEAR FEET**) (48" MINIMUM COVER).

W-3 AN 6"x6"x6" TEE IS TO BE **CUT IN** TO THE EXISTING 6" WATER MAIN WITHIN N.E. 4TH. STREET. INSTALL A GATE VALVE WITH VALVE BOX ON EACH BRANCH OF THE TEE (**3 REQUIRED**). THE CONTRACTOR SHALL NOTIFY THE CITY'S PUBLIC WORKS DEPARTMENT (302-985-1571) A MINIMUM OF 48 HOURS PRIOR TO EXCAVATING IN THE STREET TO BEGIN THE CUT-IN ON THE EXISTING WATER MAIN.

W-4 INSTALL HYDRANT TEE, 8" ISOLATION VALVE WITH VALVE BOX AND **FIRE HYDRANT #1** AT THE LOCATIONS SHOWN HEREON, SEE DETAIL SHEET C-902. THE HYDRANT LEAD SHALL BE CLASS 50 DUCTILE IRON (50 LINEAR FEET).

W-5 INSTALL HYDRANT TEE, 6" ISOLATION VALVE WITH VALVE BOX AND **FIRE HYDRANT #2** AT THE LOCATIONS SHOWN HEREON, SEE DETAIL SHEET C-902. THE HYDRANT LEAD SHALL BE CLASS 50 DUCTILE IRON (20 LINEAR FEET).

W-6 INSTALL 8"x8"x8" TEE AND 8" GATE VALVE WITH VALVE BOX AND EXTEND 8" WATER SERVICE TO THE FIRE PROTECTION SYSTEM LOCATED WITHIN THE MECHANICAL ROOM (**120 LINEAR FEET**). A BACKFLOW PREVENTER VALVE SHALL BE INSTALLED ON THE FIRE SERVICE IN THE MECHANICAL ROOM. SEE MECHANICAL / PLUMBING PLANS.

W-7 TAP THE 8" MAIN AT THE LOCATION SHOWN AND INSTALL 2" POLYETHYLENE SDR-9 DOMESTIC WATER SERVICE (70') WITH A CORPORATION STOP FROM THE 8" WATER MAIN AND EXTEND THE 2" SERVICE TO THE PROPOSED 1" WATER METER PIT. THE 2" WATER SERVICE SHALL BE REDUCED TO 1-1/2" PRIOR TO THE METER. INSTALL A CURB STOP PRIOR TO THE METER. CONCRETE DONUTS SHALL BE INSTALLED AROUND THE CURB BOXES.

W-8 INSTALL 1-1/2" WATER METER AND PIT IN ACCORDANCE WITH THE CITY OF MILFORD SPECIFICATIONS AND REQUIREMENTS. EXTEND THE 1" WATER SERVICE TO THE MECHANICAL ROOM. INSTALL A DUAL CHECK BACKFLOW PREVENTER ON THE WATER SERVICE INSIDE THE MECHANICAL ROOM. THE BACKFLOW PREVENTER VALVE SHALL BE AN APOLLO MODEL: DC4ALF DOUBLE CHECK VALVE OR EQUAL.

W-9 INSTALL 8"x8"x8" TEE AND 6" GATE VALVE WITH VALVE BOX AND EXTEND 6" WATER SERVICE TO THE FIRE PROTECTION SYSTEM LOCATED WITHIN THE MAINTENANCE BUILDING (**45 LINEAR FEET**). A BACKFLOW PREVENTER VALVE SHALL BE INSTALLED ON THE FIRE SERVICE IN THE MECHANICAL ROOM. SEE MECHANICAL / PLUMBING PLANS.

W-10 TAP THE 6" MAIN AT THE LOCATION SHOWN AND INSTALL 1-1/2" POLYETHYLENE SDR-9 DOMESTIC WATER SERVICE WITH A CORPORATION STOP ON THE 6" WATER MAIN AND EXTEND THE 1-1/2" SERVICE TO THE PROPOSED 1" WATER METER PIT. THE 1-1/2" WATER SERVICE SHALL BE REDUCED TO 1" PRIOR TO THE METER. INSTALL A CURB STOP PRIOR TO THE METER. CONCRETE DONUTS SHALL BE INSTALLED AROUND THE CURB BOXES. INSTALL A DUAL CHECK BACKFLOW PREVENTER ON THE WATER SERVICE INSIDE THE MECHANICAL ROOM. THE BACKFLOW PREVENTER VALVE SHALL BE AN APOLLO MODEL: DC4ALF DOUBLE CHECK VALVE OR EQUAL.

W-11 INSTALL FIRE DEPARTMENT KNOX BOX PER CITY OF MILFORD REQUIREMENTS - **1 REQUIRED**.

W-12 INSTALL FIRE DEPARTMENT CONNECTION PER CITY OF MILFORD REQUIREMENTS - **1 REQUIRED**.

W-13 INSTALL 1" POLYETHYLENE SDR-9 DOMESTIC WATER SERVICE AND EXTEND THE 1" WATER SERVICE (**25 LINEAR FEET**) TO THE CANINE PENS AND INSTALL A FROST-FREE YARD HYDRANT (42" MIN. COVER).

W-14 INSTALL GATE VALVE WITH VALVE BOX.

NOTES:

1. ALL WATER AND SEWER CROSSINGS SHALL MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION. IF NECESSARY THE WATER MAIN SHALL BE DEFLECTED BELOW THE SEWER AND STORM DRAIN TO PROVIDE THE 18" SEPARATION.
2. TRACER WIRE SHALL BE INSTALLED ALONG THE NEW 8" WATER MAIN FROM THE TEE IN NORTH STREET TO THE NEW FIRE HYDRANT. THE HYDRANT LEAD SHALL BE DUCTILE IRON AND SHALL NOT REQUIRE TRACER WIRE. SPLICES IN THE TRACER WIRE SHALL BE MADE IN TRACER WIRE BOXES LOCATED 5 FEET TO THE SIDE OF THE WATER MAIN. CONCRETE DONUTS SHALL BE INSTALLED AROUND THE TOPS OF TRACER WIRE BOXES.
3. VALVE BOXES SHALL BE SNAKE PIT MAGNETIZED TRACER BOXES MANUFACTURED BY COPPERHEAD INDUSTRIES OR APPROVED EQUAL.
4. BACKFLOW PREVENTER VALVES SHALL BE AN APOLLO MODEL: DC4ALF DOUBLE CHECK VALVE OR EQUAL.

SANITARY SEWER CONSTRUCTION NOTES

S-1 CORE DRILL THE EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SEWER AT **INVERT 1.50'**. A Kor-N SEAL BRAND PIPE TO MANHOLE CONNECTOR SHALL BE USED AND A WATERTIGHT SEAL PROVIDED. THE EXISTING FLOW CHANNEL SHALL BE RECONSTRUCTED TO ACCOMMODATE THE PROPOSED SEWER PIPE IN ACCORDANCE WITH THE CITY OF MILFORD DPW STANDARDS AND SPECIFICATIONS.

S-2 INSTALL SANITARY SEWER MANHOLE WITH FRAME AND COVER AT THE INVERTS AND ELEVATIONS SHOWN HEREON (typ.) - **3 MANHOLES REQUIRED**. SEE PRECAST CONCRETE MANHOLE DETAIL, SHEET C-903

S-3 INSTALL SANITARY SEWER MAINS AT LOCATIONS SHOWN HEREON. SEE PIPE SCHEDULES ON SHEET

S-4 INSTALL 8" PVC SDR 35 SANITARY SEWER LATERAL (2.0 % MINIMUM SLOPE) WITH A CLEANOUT INSTALLED 4' OUTSIDE OF THE BUILDING WALL. SEE BUILDING LATERAL CLEANOUT DETAIL, SHEET C-902. SEE BUILDING PLUMBING DRAWINGS FOR TIE-IN AT BUILDING.

NOTE: THE **CONTRACTOR SHALL VERIFY THE EXISTING SEWER INVERT** AT THE CONNECTION POINT PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.

STORM SEWER CONSTRUCTION NOTES

D-1 PROPOSED STORM DRAIN PIPE (typ). SEE PIPE SCHEDULES FOR PIPE SIZES, MATERIALS AND INVERTS.

D-2 PROPOSED STORM DRAIN CATCH BASIN. SEE CATCH BASIN SCHEDULES FOR TYPE, SIZE, TOP UNIT AND INVERTS.

D-3 PROPOSED STORM DRAIN MANHOLE. SEE MANHOLE SCHEDULES FOR TYPE, SIZE AND INVERTS.

D-4 INSTALL 6" PVC UNDERGROUND ROOF DRAIN, INCLUDING INSTALLING A 3"x4" ANGULAR CAST IRON DOWNSPOUT BOOT ON THE BUILDING - MODEL # A-3424A BY J. R. HOE AND SONS INC. OR EQUAL. WHEN CONNECTING TO A 12" DIA. OR LARGER STORM DRAIN LINE USE AN INSERTA TEE. SEE DETAIL SHEET C-903.

D-5 INSTALL FLARED END SECTION. SIZE AND MATERIAL SHALL MATCH CONNECTING PIPE. SEE UTILITY SCHEDULES FOR CORRESPONDING PIPE SIZE AND MATERIAL.

D-6 INSTALL EMBEDDED STONE RIP-RAP STILLING BASIN PLACED ON TYPE GS-1 FABRIC (MIRAFI 600X OR EQUAL). SEE DETAIL SHEET C-510 FOR SPECIFICATIONS.

ELECTRIC / TELECOM SERVICE CONSTRUCTION NOTES

E-1 PRIMARY ELECTRIC SERVICE PROVIDED BY THE CITY OF DOVER. ALIGNMENT SHOWN FOR REFERENCE PURPOSES ONLY. SEE ELECTRICAL PLANS FOR ADDITIONAL NOTES, DETAILS AND SPECIFICATIONS.

E-2 PROPOSED PAD MOUNTED TRANSFORMER. SEE ELECTRICAL PLANS AND SPECIFICATIONS FOR DETAILS.

E-3 PROPOSED PAD MOUNTED EMERGENCY GENERATOR. SEE ELECTRICAL PLANS AND SPECIFICATIONS FOR DETAILS.

E-4 PROPOSED UNDERGROUND TELECOM / CONDUIT. SEE ELECTRICAL PLANS FOR DETAILS AND SPECIFICATIONS.

NOTE: PROPOSED UNDERGROUND ELECTRIC (**U.E.**) AND TELECOM (**U.T.**) SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL PLANS FOR DETAILS AND SPECIFICATIONS.

GAS SERVICE CONSTRUCTION NOTES

U-1 PROPOSED NATURAL GAS SERVICE. ALIGNMENT SHOWN FOR REFERENCE ONLY. CHESAPEAKE UTILITIES, INC SHALL BE RESPONSIBLE FOR INSTALLATION UP TO AND INCLUDING THE METER. SITE CONTRACTOR SHALL COORDINATE WITH CHESAPEAKE UTILITIES FOR EXACT SERVICE ALIGNMENT.

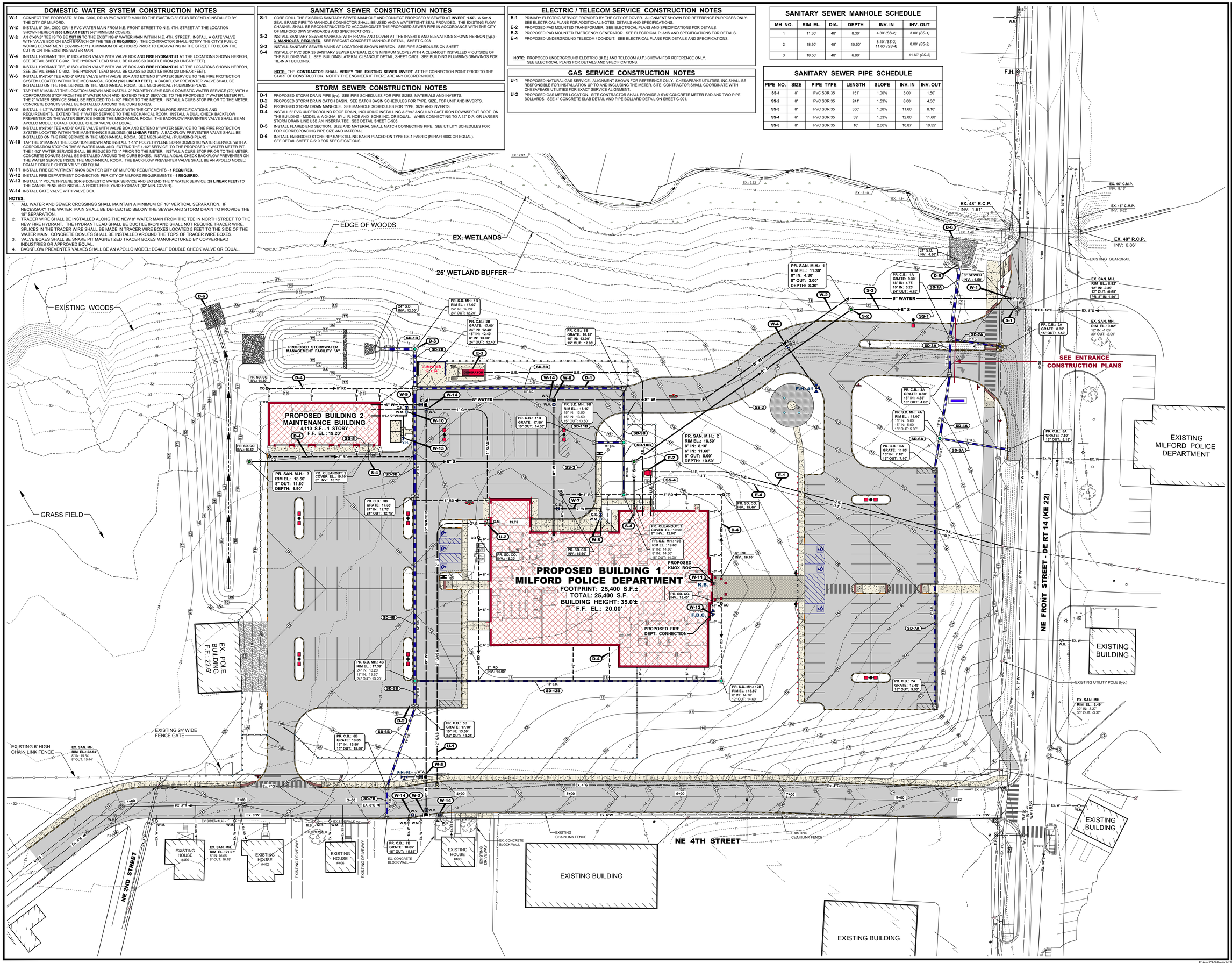
U-2 PROPOSED GAS METER LOCATION. SITE CONTRACTOR SHALL PROVIDE A 5'x5' CONCRETE METER PAD AND TWO PIPE BOLLARDS. SEE 4" CONCRETE SLAB DETAIL AND PIPE BOLLARD DETAIL ON SHEET C-901.

SANITARY SEWER MANHOLE SCHEDULE

MH NO.	RIM EL.	DIA.	DEPTH	INV. IN	INV. OUT
1	11.30'	48"	8.30'	4.30' *(SS-2)*	3.00' *(SS-1)*
2	18.50'	48"	10.50'	8.10' *(SS-3)* 11.60' *(SS-4)*	8.00' *(SS-2)*
3	18.50'	48"	6.90'		11.60' *(SS-3)*

SANITARY SEWER PIPE SCHEDULE

PIPE NO.	SIZE	PIPE TYPE	LENGTH	SLOPE	INV. IN	INV. OUT
SS-1	8"	PVC SDR 35	151'	1.00%	3.00'	1.50'
SS-2	8"	PVC SDR 35	241'	1.53%	8.00'	4.30'
SS-3	8"	PVC SDR 35	350'	1.00%	11.60'	8.10'
SS-4	6"	PVC SDR 35	39'	1.03%	12.00'	11.60'
SS-5	8"	PVC SDR 35	16'	2.00%	10.87'	10.55'



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North Carolina
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910.341.7600

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

UTILITIES PLAN

0 15 30 60

SCALE: 1" = 30'

ISSUE BLOCK

MARK	DATE	DESCRIPTION
		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	1" = 30'
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET

C-301

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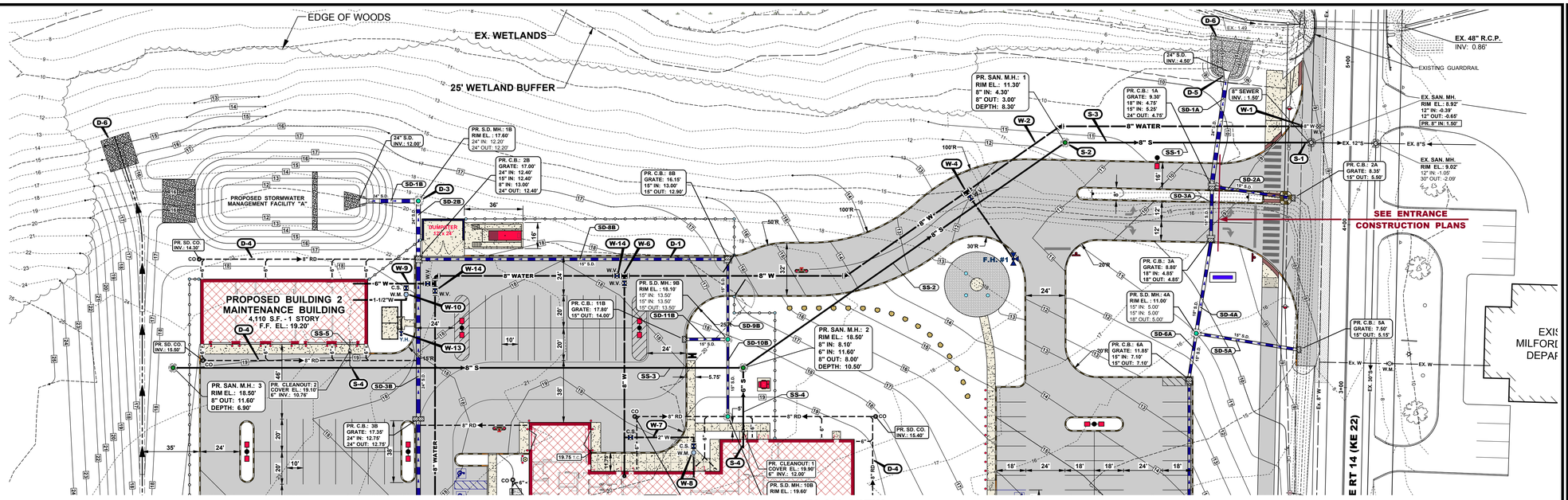
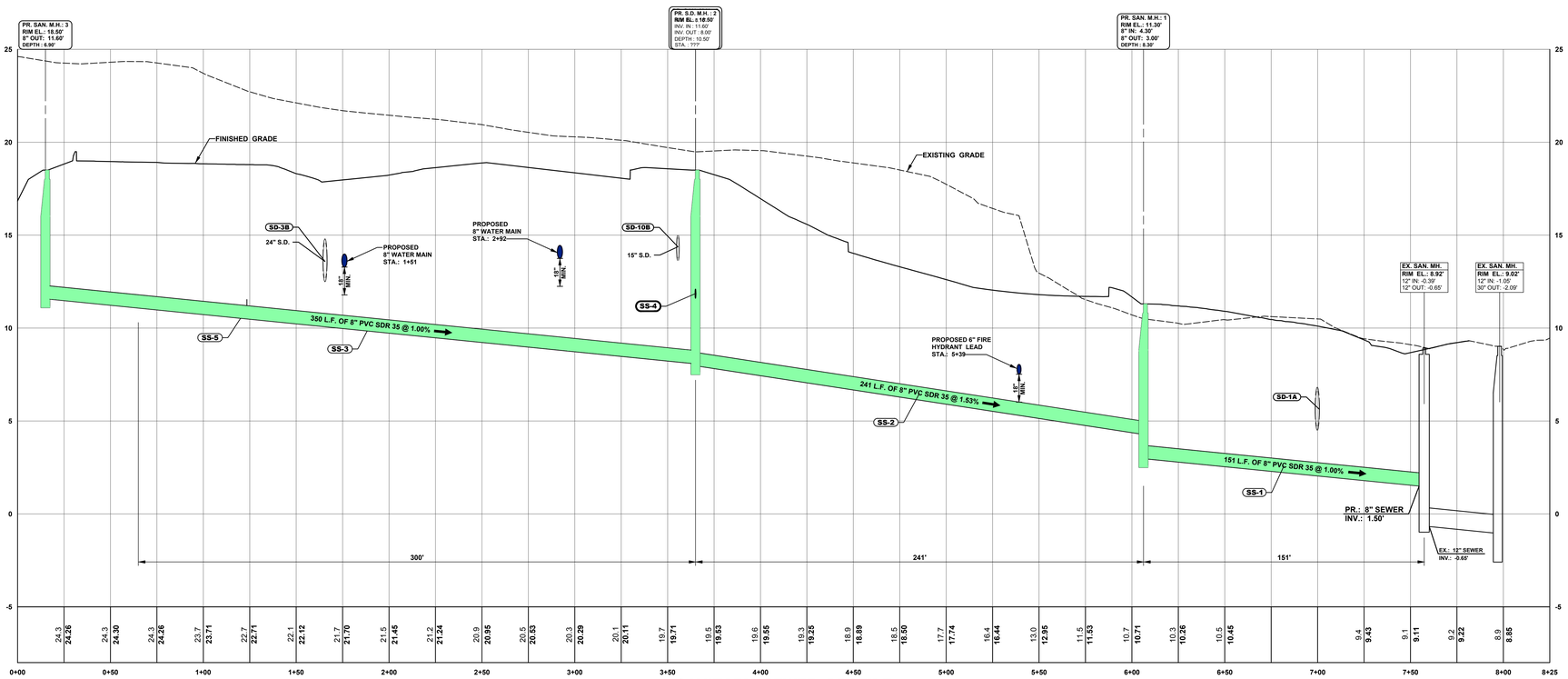


PLAN VIEW

SCALE: 1" = 30' HORIZONTAL



SANITARY SEWER PROFILE

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

CITY OF MILFORD - UTILITY GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT (302) 422-1110 A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION AND SCHEDULE A PRE-CONSTRUCTION MEETING. THE SITE CONTRACTOR AND THE OWNER, OR HIS/HER REPRESENTATIVE SHALL BE IN ATTENDANCE. **(GN37)**
2. USE ONLY SUITABLE AND APPROVED GRANULAR MATERIAL FOR BACKFILLING TRENCHES. **(GN6)**
3. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL RIGHT-OF-WAY LINES AND PROPERTY LINES TO HIS OWN SATISFACTION. ANY DISTURBED AREAS BEYOND THE RIGHT-OF-WAY OR EASEMENT LINES SHALL BE RESTORED IMMEDIATELY TO THEIR ORIGINAL CONDITION.
4. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MATERIALS AND WORKMANSHIP SHALL MEET THE REQUIREMENTS OF THE CITY OF MILFORD STANDARD SPECIFICATIONS FOR INSTALLATION OF UTILITY CONSTRUCTION AND SUBDIVISION PAVEMENT DESIGN, AND ALL APPLICABLE AGENCIES HAVING JURISDICTION OVER THE PROPOSED IMPROVEMENTS.
5. ALL VALVE CLOSURES AND CUT-INS SHALL BE COORDINATED WITH THE CITY. CITY OFFICIALS WILL CARRY OUT ALL NECESSARY VALVE CLOSURES. CONTRACTOR SHALL COORDINATE ISOLATION OF EXISTING WATER MAINS WITH THE CITY AND NOTIFY AFFECTED RESIDENTS AT LEAST 48 HOURS PRIOR TO CUT-IN.
6. PIPELINE DETECTION TAPE SHALL BE COLOR CODED, APPROPRIATELY LABELED, AND INSTALLED 18 INCHES BELOW THE GROUND SURFACE AND DIRECTLY ABOVE ALL PROPOSED NON-METALLIC WATER MAIN, SEWER MAIN, SEWER LATERALS, AND WATER SERVICES.
7. CONDUCTIVE TRACER WIRE SHALL BE INSTALLED WITH ALL NON-METALLIC WATER PIPE AND SERVICES; AND ALONG ALL SEWER LATERALS AND FORCEMAIN. WIRE SHALL BE SECURED TO THE PIPE AND SHALL BE SECURELY BONDED TOGETHER AT ALL WIRE JOINTS WITH APPROVED WATERTIGHT CONNECTORS. TRACER WIRE SHALL BE ACCESSIBLE AT ALL VALVE BOXES, METER PITS, CLEANOUTS, AND AIR RELEASE VALVES.
8. PRIOR TO ISOLATION AND CUT-IN PROCEDURES, CONTRACTOR SHALL EXCAVATE, LOCATE, AND OBSERVE FUNCTION OF ALL EXISTING VALVES TO ASSIST IN THE SYSTEM ISOLATION.
9. SHOP DRAWINGS FOR ANY ITEM(S) WHICH WILL EVENTUALLY BE TAKEN OVER BY THE CITY SHALL BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF AND/OR INSTALLATION OF THE ITEM(S).
10. ALL SANITARY SEWER MAINS AND FORCEMAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES AND ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 42 INCHES AS MEASURED FROM THE TOP OF PIPE TO PROPOSED GRADE. SEWER LATERALS SHALL HAVE A MINIMUM DIAMETER OF SIX (6) INCHES AND HAVE A MINIMUM COVER OF 36 INCHES.
11. THERE SHALL BE A MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER MAINS AND FORCEMAINS OF 10 FEET, AS MEASURED FROM EDGE OF PIPE TO EDGE OF PIPE. THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN WATER MAINS AND SANITARY SEWER MAINS OR FORCEMAINS AT CROSSINGS. ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE AT CROSSINGS.
12. THERE SHALL BE A MINIMUM VERTICAL SEPARATION OF 12 INCHES BETWEEN ANY STORM DRAIN PIPE AND ANY WATER MAIN OR SEWER MAIN. IF 12 INCHES CANNOT BE MAINTAINED, A MINIMUM OF SIX (6) INCHES IS REQUIRED AND PROVISIONS SHALL BE MADE ACCEPTABLE TO THE CITY OF MILFORD FOR PROPERLY ENCASING THE PIPE IN CONCRETE.
13. ALL ROADWAYS ARE TO BE SWEPT FREE OF SEDIMENT ON A DAILY BASIS.
14. THE CONTRACTOR SHALL REMOVE AND IMMEDIATELY REPLACE, RELOCATE, RESET OR RECONSTRUCT ALL OBSTRUCTIONS IN THE WORK AREA, INCLUDING, BUT NOT LIMITED TO, MAILBOXES, SIGNS, LANDSCAPING, LIGHTING, PLANTERS, CULVERTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, FENCES, OR OTHER NATURAL OR MAN-MADE OBSTRUCTIONS. TRAFFIC CONTROL REGULATORY, WARNING AND INFORMATIONAL SIGNS SHALL REMAIN FUNCTIONAL AND VISIBLE TO THE APPROPRIATE LANES OF TRAFFIC AT ALL TIMES, WITH THEIR RELOCATION KEPT TO A MINIMUM DISTANCE.
15. ALL FIRE LANES, FIRE HYDRANTS, EXITS, AND STANDPIPES WILL BE MARKED IN ACCORDANCE WITH STATE FIRE PREVENTION REGULATIONS.
16. DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STUMPS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING THE EXCAVATION FOR STRUCTURES AND UTILITY LINES ON AND OFF SITE MUST BE REMOVED AND PROPERLY DISCARDED. ANY REMEDIAL ACTION REQUIRED IS THE RESPONSIBILITY OF THE OWNER.
17. A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF DELAWARE SHALL BE RESPONSIBLE FOR PERMANENTLY RE-ESTABLISHING ANY PROPERTY MARKERS OR MONUMENTS DISTURBED DURING CONSTRUCTION. A SURVEY AND METES AND BOUNDS THAT INCLUDES THE RE-ESTABLISHED MARKER(S) OR MONUMENT(S) SHALL BE PRESENTED TO THE PROPERTY OWNER FOR COMPARISON WITH THE ORIGINAL PLAT, FOR VERIFICATION.
18. THE CITY OF MILFORD WILL ASSUME OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF WATER AND SEWER PIPES AND APPURTENANCES, INSTALLED WITHIN CITY RIGHT-OF-WAY AND EASEMENTS DEDICATED TO THE CITY, STORM SEWER PIPES AND CATCH BASINS, INSTALLED FULLY WITHIN CITY RIGHT-OF-WAY; ONCE THE FOLLOWING CONDITIONS HAVE BEEN MET:
    A. ALL ITEMS HAVE PASSED CITY INSPECTION;
    B. THE CITY HAS RECEIVED AND APPROVED DIGITAL AND HARD COPIES OF THE RECORD DRAWINGS; AND
    C. THE RIGHTS-OF-WAY AND/OR EASEMENTS HAVE BEEN DEEDED TO THE CITY AND RECORDED WITH THE RECORDER OF DEEDS.
19. SEWER AND WATER CAPACITY ARE NOT GUARANTEED UNTIL BUILDING PERMITS ARE ISSUED, ALL FEES ARE PAID AND SUITABLE UTILITIES ARE IN PLACE FOR PROPER CONVEYANCE, TREATMENT AND DISPOSAL.
20. THE APPLICANT IS RESPONSIBLE TO ENSURE THAT ALL CITY AND/OR AGENCY CONSTRUCTION PERMIT APPLICATIONS HAVE BEEN COMPLETED, SUBMITTED, AND ALL APPLICABLE FEES HAVE BEEN PAID PRIOR TO COMMENCING CONSTRUCTION. THE CITY SHALL NOT BE HELD RESPONSIBLE FOR AN ANTICIPATED CONSTRUCTION START DATE THAT IS NOT MET DUE TO THE APPLICANT OR HIS/HER CONTRACTOR NOT HAVING MET THE CONSTRUCTION PERMITTING REQUIREMENTS.

UTILITY POST-CONSTRUCTION VERIFICATION REQUIREMENTS - AS-BUILT

1. UPON PROJECT COMPLETION, **THE SITE CONTRACTOR SHALL** FURNISH COMPLETE UTILITY AS-BUILT PLANS. ALL PLANS SHALL BE SIGNED, DATED AND SEALED BY A CERTIFIED DELAWARE P.E./P.L.S. FOR SUBMISSION TO THE PROJECT ENGINEER, OWNER, AND CITY OF MILFORD IN ELECTRONIC FILE FORMAT.

   RECORD DRAWINGS SHALL LOCATE ALL PERMANENT IMPROVEMENTS INCLUDING BUT NOT LIMITED TO:

   a. WATER MAINS, VALVES, BENDS, HYDRANTS, METER PITS, FIRE DEPARTMENT CONNECTIONS, KNOX BOX.
   b. SEWER MAINS, MANHOLES, CLEANOUTS, MANHOLE INVERT AND RIM ELEVATIONS, PIPE SIZES.
   c. STORM SEWER PIPE, SIZE AND MATERIAL, CATCH BASINS, MANHOLES, INVERT AND RIM/GRATE ELEVATIONS.
   d. ELECTRIC SERVICES (PRIMARY AND SECONDARY), TRANSFORMERS, GENERATORS, METER BOXES, UTILITY POLES.
   e. NATURAL GAS MAIN AND SERVICES, METER.
   f. CABLE UTILITY AND TELECOMMUNICATION SERVICES.

   *NOTE: ALL UNDERGROUND SERVICES NOT ABLE TO BE FIELD VERIFIED AFTER CONSTRUCTION SHALL BE FIELD LOCATED DURING CONSTRUCTION FOR ACCURACY. (I.E. WATER, GAS, ELECTRIC, TELECOM)

SANITARY SEWER CONSTRUCTION NOTES

S-1 CORE DRILL THE EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SEWER AT **INVERT 1.50'**, A Kor-N SEAL BRAND PIPE TO MANHOLE CONNECTOR SHALL BE USED AND A WATERTIGHT SEAL PROVIDED. THE EXISTING FLOW CHANNEL SHALL BE RECONSTRUCTED TO ACCOMMODATE THE PROPOSED SEWER PIPE IN ACCORDANCE WITH THE CITY OF MILFORD DPW STANDARDS AND SPECIFICATIONS .

S-2 INSTALL SANITARY SEWER MANHOLE WITH FRAME AND COVER AT THE INVERTS AND ELEVATIONS SHOWN HEREON (typ.) - **3 MANHOLES REQUIRED**. SEE PRECAST CONCRETE MANHOLE DETAIL, SHEET C-903

S-3 INSTALL SANITARY SEWER MAINS AT LOCATIONS SHOWN HEREON. SEE PIPE SCHEDULES ON SHEET

S-4 INSTALL 6" PVC SDR 35 SANITARY SEWER LATERAL (2.0 % MINIMUM SLOPE) WITH A CLEANOUT INSTALLED 4' OUTSIDE OF THE BUILDING WALL. SEE BUILDING LATERAL CLEANOUT DETAIL, SHEET C-902. SEE BUILDING PLUMBING DRAWINGS FOR TIE-IN AT BUILDING.

NOTE: THE **CONTRACTOR SHALL VERIFY THE EXISTING SEWER INVERT** AT THE CONNECTION POINT PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.

UTILITY SEPARATION NOTES FOR WATER / SEWER / STORM DRAIN:

1. WATER MAINS SHALL BE LAID TO PROVIDE A **MINIMUM VERTICAL SEPARATION OF 18 INCHES** AND A **MINIMUM HORIZONTAL SEPARATION OF 10 FEET** BETWEEN THE OUTSIDE WALL OF THE WATER MAIN AND THE OUTSIDE WALL OF THE SANITARY SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN THE MINIMAL HORIZONTAL AND/OR VERTICAL SEPARATIONS THE OFFICE OF DRINKING WATER MUST SPECIFICALLY APPROVE ANY VARIANCE SUPPORTED BY DATA FROM THE DESIGN ENGINEER.
2. A **MINIMUM VERTICAL SEPARATION OF 18 INCHES** IS REQUIRED BETWEEN WATER MAINS AND SEWER PIPES (STORM AND SANITARY) AS MEASURED FROM THE OUTSIDE OF THE PIPE.
3. A **MINIMUM COVER OF 48"** IS REQUIRED AND SHALL BE PROVIDED OVER THE TOP OF ANY WATER MAIN.

SANITARY SEWER MANHOLE SCHEDULE

MH NO.	RIM EL.	DIA.	DEPTH	INV. IN	INV. OUT
1	11.30'	48"	8.30'	4.30' *(SS-2)*	3.00' *(SS-1)*
2	18.50'	48"	10.50'	8.10' *(SS-3)* 11.60' *(SS-4)*	8.00' *(SS-2)*
3	18.50'	48"	6.90'		11.60' *(SS-3)*

SANITARY SEWER PIPE SCHEDULE

PIPE NO.	SIZE	PIPE TYPE	LENGTH	SLOPE	INV. IN	INV. OUT
SS-1	8"	PVC SDR 35	151'	1.00%	3.00'	1.50'
SS-2	8"	PVC SDR 35	241'	1.53%	8.00'	4.30'
SS-3	8"	PVC SDR 35	350'	1.00%	11.60'	8.10'
SS-4	6"	PVC SDR 35	39'	1.03%	12.00'	11.60'
SS-5	8"	PVC SDR 35	16'	2.00%	10.87'	10.55'

SANITARY SEWER GENERAL NOTES

1. ALL SANITARY SEWER PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE. LENGTHS ARE ROUNDED TO THE NEAREST FOOT.
2. ALL SANITARY SEWER INVERTS SHOWN ARE AT THE INSIDE OF STRUCTURE WALL. EACH MANHOLE SHALL HAVE A 0.10' MINIMUM DROP ACROSS THE MANHOLE.
3. **THE CONTRACTOR SHALL VERIFY THE EXISTING SEWER INVERTS AT THE CONNECTION POINT PRIOR TO THE START OF CONSTRUCTION.** NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.

STORM SEWER GENERAL NOTES

1. ALL STORM DRAIN PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. LENGTHS OF OPEN ENDED PIPES ARE FROM CENTER OF PRECEDING STRUCTURE TO END OF PIPE RUN AND INCLUDE THE LENGTH OF THE FLARED END SECTION. LENGTHS ARE ROUNDED TO THE NEAREST FOOT.
2. ALL STORM DRAIN INVERTS SHOWN ARE AT THE INSIDE OF STRUCTURE WALL.
3. **THE CONTRACTOR SHALL VERIFY THE EXISTING STORM SEWER INVERT AT THE CONNECTION POINT PRIOR TO THE START OF CONSTRUCTION.** NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.
4. **ADD STORM DRAIN MANHOLES AND CATCH BASINS SHALL UTILIZE GASKETED PIPE CONNECTIONS ON ALL PERPENDICULAR PIPE CONNECTIONS.**
5. SUBSTITUTION OF MATERIALS WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

BECKER MORGAN GROUP

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Salisbury, MD 21801
410.546.9100

North Carolina
3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

www.beckermorgan.com

PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

SANITARY SEWER PROFILE

0 15 30 60

SCALE: 1" = 30'

ISSUE BLOCK		
		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02
MARK	DATE	DESCRIPTION

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	1" = 30'
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET
C-302

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CATCH BASIN SCHEDULE — SYSTEM "B"

CB NO.	INLET BOX	COVER SLAB	TOP UNIT	FRAME/GRATE	GRATE EL.	INV. IN	INV. OUT
2B	48" x 48"	60" x 60"	TYPE C	TYPE 1	17.00'	12.40' (3B) 12.40' (8B) 13.00' (RD-2B)	12.40' *(2B)*
3B	72" x 24"	84" x 36"	TYPE A	TYPE 1	17.35'	12.75' (4B)	12.75' *(3B)*
5B	72" x 24"	84" x 36"	TYPE C	TYPE 1	17.10'	13.50' (6B)	13.25' *(5B)*
6B	34" x 24"	N/A	TYPE C	TYPE 1	18.85'	15.50' (7B)	15.50' *(6B)*
7B	34" x 24"	N/A	TYPE C	TYPE 1	18.85'		15.85' *(7B)*
8B	48" x 48"	60" x 60"	TYPE C	TYPE 1	16.15'	13.00' (9B)	12.90' *(8B)*
11B	34" x 24"	N/A	TYPE C	TYPE 1	17.80'		14.00' *(11B)*

STORM DRAIN MANHOLE SCHEDULE "B"

MH NO.	RIM EL.	DIA.	DEPTH	INV. IN	INV. OUT
1B	17.60'	60"	5.40'	12.20' *(2B)*	12.20' *(1B)*
4A	11.00'	48"	6.00'	5.00' *(6A)* 5.00' *(5A)*	5.00' *(4A)*
4B	17.39'	48"	4.19'	13.20' *(5B)* 13.20' *(12B)*	13.20' *(4B)*
9B	18.10'	48"	4.60'	13.50' *(10B)* 13.50' *(11B)*	13.50' *(9B)*
10B	19.60'	48"	5.60'	14.50' *(RD-10B-1)* 14.50' *(RD-10B-2)*	14.00' *(10B)*

STORM DRAIN PIPE SCHEDULE — "B"

PIPE NO.	SIZE	PIPE TYPE	LENGTH	SLOPE	INV. IN	INV. OUT
1B	24"	HP STORM PP	36'	0.55%	12.20'	12.00'
2B	24"	HP STORM PP	35'	0.57%	12.40'	12.20'
3B	24"	HP STORM PP	99'	0.35%	12.75'	12.40'
4B	24"	HP STORM PP	168'	0.27%	13.20'	12.75'
5B	24"	HP STORM PP	23'	0.22%	13.25'	13.20'
6B	15"	HP STORM PP	76'	2.62%	15.50'	13.50'
7B	15"	HP STORM PP	26'	1.35%	15.85'	15.50'
8B	15"	HP STORM PP	190'	0.26%	12.90'	12.40'
9B	15"	HP STORM PP	50'	1.00%	13.50'	13.00'
10B	15"	HP STORM PP	47'	1.05%	14.00'	13.50'
11B	15"	HP STORM PP	27'	1.87%	14.00'	13.50'
12B	12"	HP STORM PP	279'	0.50%	14.60'	13.20'

STORM SEWER CONSTRUCTION NOTES

D-1 PROPOSED STORM DRAIN PIPE (typ). SEE PIPE SCHEDULES FOR PIPE SIZES, MATERIALS AND INVERTS.

D-2 PROPOSED STORM DRAIN CATCH BASIN. SEE CATCH BASIN SCHEDULES FOR TYPE, SIZE, TOP UNIT AND INVERTS.

D-3 PROPOSED STORM DRAIN MANHOLE. SEE MANHOLE SCHEDULES FOR TYPE, SIZE AND INVERTS.

D-4 INSTALL 6" PVC UNDERGROUND ROOF DRAIN, INCLUDING INSTALLING A 3"x4" ANGULAR CAST IRON DOWNSPOUT BOOT ON THE BUILDING - MODEL #: A-3424A BY J. R. HOE AND SONS INC. OR EQUAL. WHEN CONNECTING TO A 12" DIA. OR LARGER STORM DRAIN LINE USE AN INSERTA TEE. SEE DETAIL SHEET C-903.

D-5 INSTALL FLARED END SECTION. SIZE AND MATERIAL SHALL MATCH CONNECTING PIPE. SEE UTILITY SCHEDULES FOR FOR CORRESPONDING PIPE SIZE AND MATERIAL.

D-6 INSTALL EMBEDDED STONE RIP-RAP STILLING BASIN PLACED ON TYPE GS-1 FABRIC (MIRAFI 600X OR EQUAL). SEE DETAIL SHEET C-510 FOR SPECIFICATIONS.

STORM SEWER GENERAL NOTES

1. ALL STORM DRAIN PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. LENGTHS OF OPEN ENDED PIPES ARE FROM CENTER OF PRECEDING STRUCTURE TO END OF PIPE RUN AND INCLUDE THE LENGTH OF THE FLARED END SECTION. LENGTHS ARE ROUNDED TO THE NEAREST FOOT.
2. ALL STORM DRAIN INVERTS SHOWN ARE AT THE INSIDE OF STRUCTURE WALL.
3. **THE CONTRACTOR SHALL VERIFY THE EXISTING STORM SEWER INVERT AT THE CONNECTION POINT PRIOR TO THE START OF CONSTRUCTION.** NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.
4. **ADD STORM DRAIN MANHOLES AND CATCH BASINS SHALL UTILIZE GASKETED PIPE CONNECTIONS ON ALL PERPENDICULAR PIPE CONNECTIONS.**
5. SUBSTITUTION OF MATERIALS WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

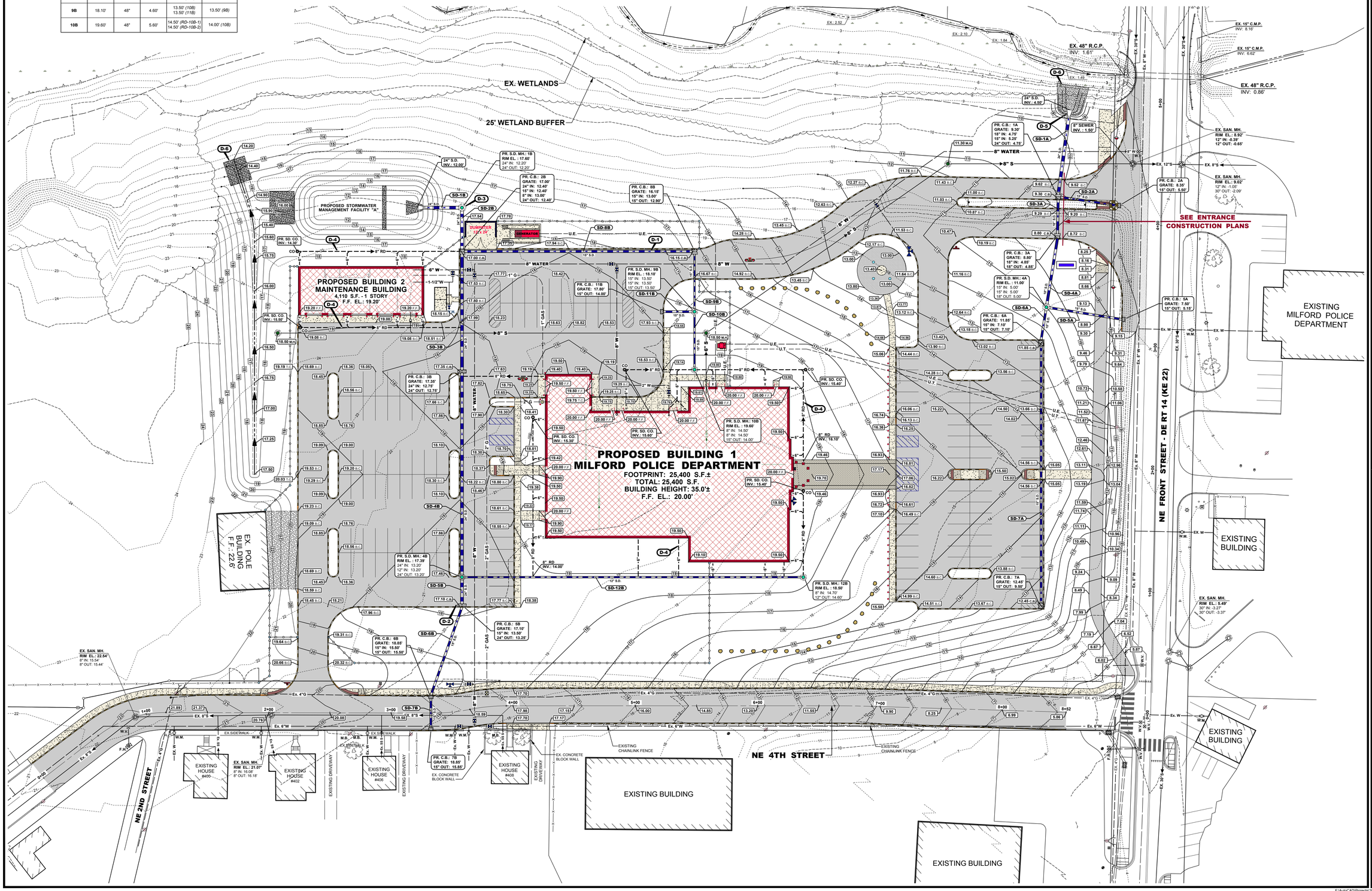
CATCH BASIN SCHEDULE — SYSTEM "A"

★ TEMPORARY REBAR REQUIRED

CB NO.	INLET BOX	COVER SLAB	TOP UNIT	FRAME/GRATE	GRATE EL.	INV. IN	INV. OUT
1A	48" x 48"	60" x 60"	TYPE C	TYPE 1	9.30'	4.75' (3A) 5.25' (2A)	4.75' *(1A)*
2A	34" x 24"	N/A	TYPE C	TYPE 1	8.35'		5.50' *(2A)*
3A	48" x 48"	60" x 60"	TYPE C	TYPE 1	8.80'	4.85' (4A)	4.85' *(3A)*
5A ★	34" x 24"	N/A	TYPE C	TYPE 1	7.50'		5.15' *(5A)*
6A	48" x 48"	60" x 60"	TYPE C	TYPE 1	11.85'	7.10' (7A)	7.10' *(6A)*
7A	48" x 48"	60" x 60"	TYPE C	TYPE 1	12.45'		9.50' *(7A)*

STORM DRAIN PIPE SCHEDULE — "A"

PIPE NO.	SIZE	PIPE TYPE	LENGTH	SLOPE	INV. IN	INV. OUT
1A	24"	HP STORM PP	72'	0.35%	4.75'	4.50'
2A	15"	HP STORM PP	50'	0.50%	5.50'	5.25'
3A	18"	HP STORM PP	32'	0.31%	4.85'	4.75'
4A	18"	HP STORM PP	59'	0.25%	5.00'	4.85'
5A	15"	HP STORM PP	64'	0.24%	5.15'	5.00'
6A	15"	HP STORM PP	29'	7.36%	7.10'	5.00'
7A	15"	HP STORM PP	217'	1.11%	9.50'	7.10'



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Salisbury, MD 21801
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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

GRADING PLAN

0 15 30 60

SCALE: 1" = 30'

ISSUE BLOCK

MARK	DATE	DESCRIPTION
		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	1" = 30'
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET

C-401

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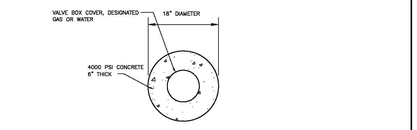
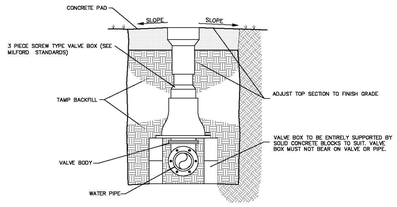
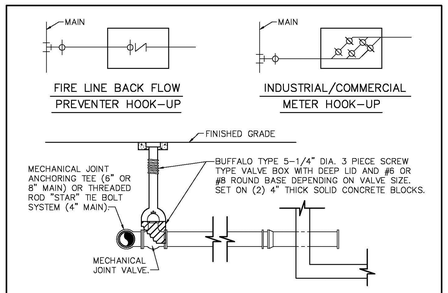


SURFACE CONCRETE PAD FOR VALVE BOXES
NOT TO SCALE

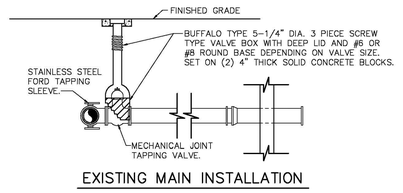


GATE VALVE COLLAR DETAIL
NOT TO SCALE

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		GATE VALVE CONCRETE COLLAR PAD DETAIL NO SCALE
		SECTION - 2 | DRAWING:

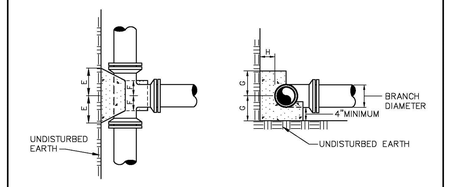


NEW MAIN INSTALLATION



EXISTING MAIN INSTALLATION

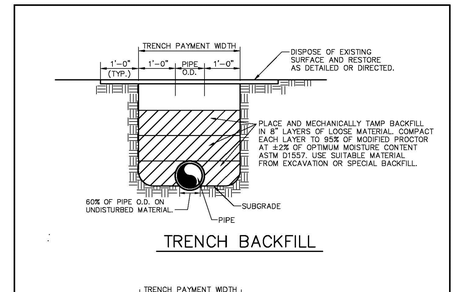
DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		INDUSTRIAL/COMMERCIAL INSTALLATION DETAIL NO SCALE
		SECTION - 2 | DRAWING: D2-15



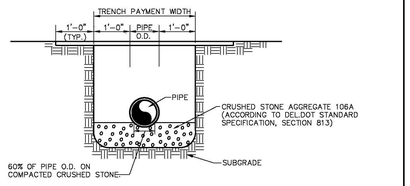
PLAN PROFILE

DIMENSION SCHEDULE					
BRANCH DIA.	6"	8"	10"	12"	16"
E	8"	10"	1'–0"	1'–3"	1'–8"
F	6"	8"	8"	8"	10"
G	7"	9"	1'–0"	1'–2"	1'–6"
H	8"	9"	10"	1'–0"	1'–2"

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		TEE AND WYE DETAIL NO SCALE
		SECTION - 2 | DRAWING: D2-9

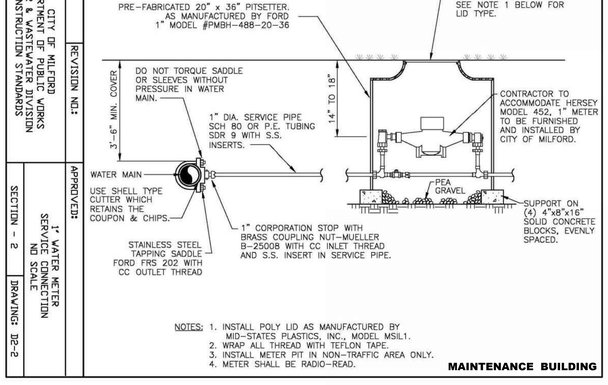


TRENCH BACKFILL



CRUSHED STONE BEDDING

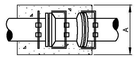
DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		TRENCH BACKFILL & PIPE BEDDING DETAIL NO SCALE
		SECTION - 1 | DRAWING: D1-1



NOTES: 1. INSTALL POLY LID AS MANUFACTURED BY MID–STATES PLASTICS, INC., MODEL MSIL1.
2. WRAP ALL THREAD WITH TEFLON TAPE.
3. INSTALL METER PIT IN NON–TRAFFIC AREA ONLY.
4. METER SHALL BE RADIO–READ.

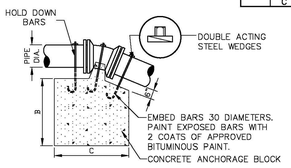
MAINTENANCE BUILDING

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		1" WATER METER SERVICE CONNECTION NO SCALE
		SECTION - 2 | DRAWING: D2-2



PLAN

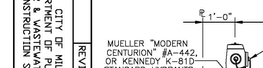
DIMENSION SCHEDULE					
BEND		PIPE DIAMETER			
		6"	8"	10"	12"	16"
11¼	A	1'–6"	1'–6"	2'–0"	3'–0"	1'–4"
	B	1'–3"	1'–9"	1'–9"	2'–0"	1'–0"
	C	2'–0"	2'–6"	2'–9"	3'–0"	4'–0"
22½	A	2'–0"	3'–4"	3'–8"	4'–0"	4'–4"
	B	1'–9"	2'–3"	2'–6"	2'–6"	2'–6"
	C	2'–6"	2'–8"	3'–10"	4'–0"	5'–6"
45°	A	2'–6"	3'–0"	4'–0"	4'–6"	5'–2"
	B	2'–6"	2'–9"	3'–0"	3'–6"	4'–6"
	C	3'–0"	4'–0"	4'–6"	4'–9"	8'–0"



PROFILE

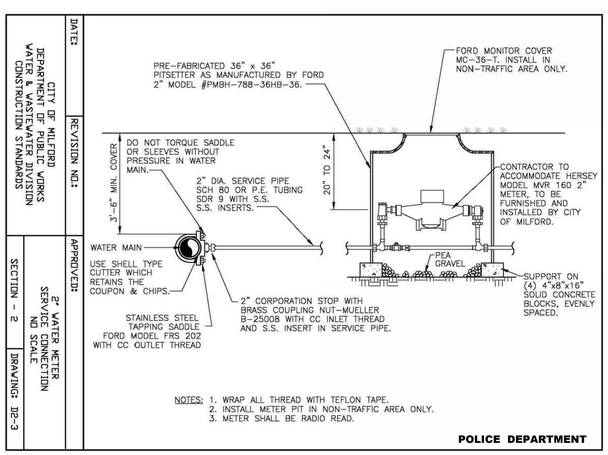
BAR SCHEDULE				
SIZE	REINFORCING BARS			
	11 ¼	22½	45°	
6"	3 #6	3 #6	3 #6	
8"	3 #6	3 #6	3 #6	
10"	3 #6	3 #6	3 #6	
12"	3 #6	3 #6	3 #6	
16"	3 #6	3 #6	3 #6	

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		VERTICAL DOWNWARD BEND DETAIL NO SCALE
		SECTION - 2 | DRAWING: D2-11



NOTE: RETAINER GLANDS MAY BE USED IN PLACE OF STRAPPING ROD. GLANDS SHALL BE EBAA SERIES 2000SV.

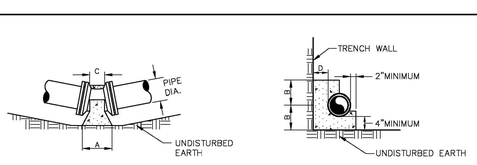
DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		FIRE HYDRANT DETAIL NO SCALE
		SECTION - 2 | DRAWING: D2-7



NOTES: 1. WRAP ALL THREAD WITH TEFLON TAPE.
2. INSTALL METER PIT IN NON–TRAFFIC AREA ONLY.
3. METER SHALL BE RADIO READ.

POLICE DEPARTMENT

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		2" WATER METER SERVICE CONNECTION NO SCALE
		SECTION - 2 | DRAWING: D2-3



PLAN PROFILE

DIMENSION SCHEDULE										
BEND	11 1/4°					22 1/2°				
PIPE DIA.	6"	8"	10"	12"	16"	6"	8"	10"	12"	16"
A	6"	6"	10"	1'–0"	1'–4"	9"	1'–0"	1'–6"	1'–9"	2'–3"
B	7"	8"	9"	10"	1'–0"	7"	8"	9"	10"	1'–0"
C	4"	6"	6"	10"	1'–0"	4"	6"	8"	10"	1'–0"
D	7"	7"	8"	8"	9"	8"	9"	10"	11"	1'–2"
BEND	45°					90°				
PIPE DIA.	6"	8"	10"	12"	16"	6"	8"	10"	12"	16"
A	1'–3"	1'–8"	2'–1"	2'–6"	3'–4"	2'–0"	2'–6"	3'–0"	3'–6"	5'–0"
B	7"	8"	9"	1'–1"	1'–3"	6"	9"	1'–0"	1'–3"	1'–6"
C	4"	6"	8"	10"	1'–0"	4"	6"	8"	10"	1'–0"
D	8"	9"	10"	11"	1'–2"	1'–5"	1'–7"	1'–8"	1'–9"	1'–10"

DATE:	REVISION NO.:	APPROVED:
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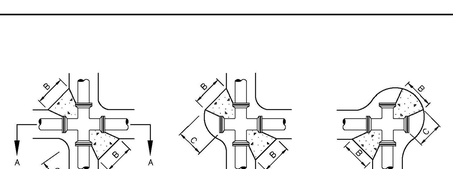
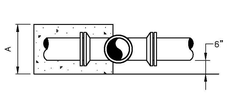
		SECTION - 2 | DRAWING: D2-10



PLAN VIEW



SECTION A

DIMENSION SCHEDULE			
LARGEST BRANCH DIA.	6"	8"	10"
A	1'–9"	2'–6"	3'–0"
B	1'–2"	1'–4"	2'–0"
C	2'–6"	MIN. OR TO UNDISTURBED SOIL.	

DATE:	REVISION NO.:	APPROVED:
CITY OF MILFORD DEPARTMENT OF PUBLIC WORKS WATER & WASTEWATER DIVISION CONSTRUCTION STANDARDS		GRASS DETAIL NO SCALE
		SECTION - 2 | DRAWING: D2-12

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

CONSTRUCTION DETAILS

ISSUE BLOCK

		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02
MARK	DATE	DESCRIPTION

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	AS SHOWN
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET
C-902

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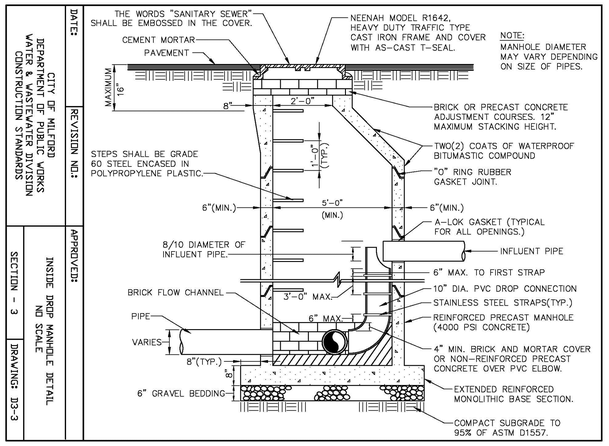
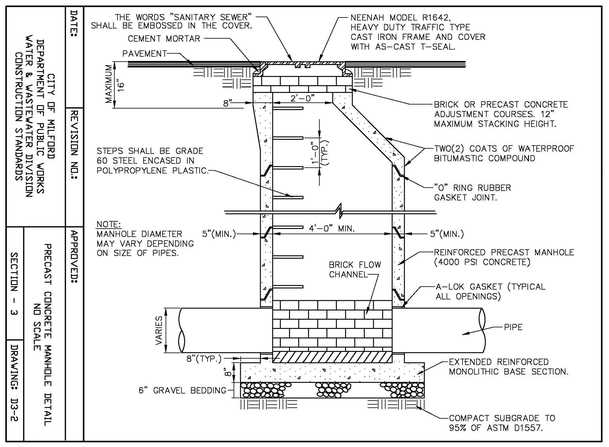
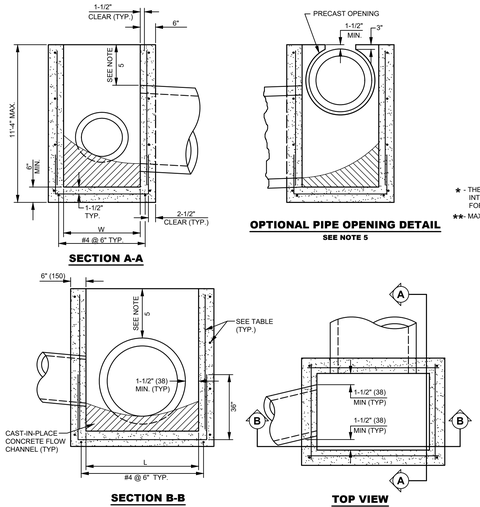






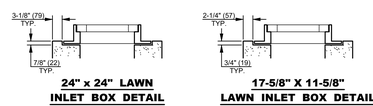
OPTIONAL PIPE OPENING DETAIL
SEE NOTE 5

INLET BOX SCHEDULE			
L	W	FABRICATION TOLERANCE	
17-5/8 "	11-5/8"	+1"	★
24"	24"	+1"	★
34"	18"	-1"	★★
34"	24"	-1"	
48"	30"	+6"	
48"	48"	+6"	
66"	30"	+6"	
66"	48"	+6"	
66"	66"	+6"	
72"	24"	-1"	
72"	48"	-1"	
72"	72"	-1"	

★ - THESE SIZES ARE TO BE USED FOR LAWN INLETS AND ARE NOT INTENDED TO BE USED IN THE TRAVEL WAY. THE MAX DEPTH FOR THESE BOXES IS 4' (1220). SEE NOTE 8 FOR REINFORCEMENT

★★- MAX DEPTH IS 4' FOR THIS DRAINAGE INLET.

WALL REINFORCEMENT SCHEDULE		
INTERIOR WALL DIMENSION	AREA OF HORIZONTAL REINFORCEMENT PER FOOT	AREA OF VERTICAL REINFORCEMENT PER FOOT
	IN^2	IN^2
LESS THAN 4'	0.132	0.132
≥ 4'	0.163	0.132
≥ 4.5'	0.198	0.132
≥ 5	0.239	0.132
≥ 5.5'	0.284	0.132



24" x 24" LAWN INLET BOX DETAIL

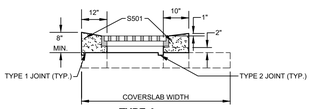
17-5/8" X 11-5/8" LAWN INLET BOX DETAIL

NOTES:

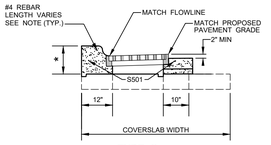
1. PROVIDE PRECAST OR CAST-IN-PLACE INLET BOXES IN ACCORDANCE WITH SECTION 602.
2. DO NOT INSTALL PIPES THROUGH ANY CORNER OF THE INLET BOX.
3. RISER SECTIONS MAY BE USED FOR DEEP INLET BOXES.
4. PIPES MAY BE INSTALLED NEAR OR THROUGH JOINTS FOR RISER SECTIONS.
5. WHEN THE COVER ABOVE THE PIPE IS LESS THAN 4" TO THE COVER SLAB OR TOP UNIT OPENING, THE PORTION OF BOX WALL ABOVE THE PIPE MAY BE REMOVED AS SHOWN IN THE OPTIONAL PIPE OPENING DETAIL. FORM AND FILL THE AREA ABOVE THE PIPE WITH HIGH-STRENGTH, NON-SHRINK GROUT MIXED WITH COARSE AGGREGATE IN A 1:1 RATIO BY WEIGHT.
6. ENSURE POSITIVE FLOW WHEN CONSTRUCTING THE FLOW CHANNEL.
7. WHEN INLET BOX IS PRECAST, PROVIDE A PIPE OPENING DIAMETER BETWEEN 3" AND 4" LARGER THAN OUTSIDE DIAMETER OF PIPE.
8. USE 4" X 4", W4 X W4 WELDED WIRE AS REINFORCEMENT FOR LAWN INLET BOXES.
9. EXTEND THE PIPE TO BE FLUSH WITH THE INSIDE WALL OF THE INLET BOX IN ACCORDANCE WITH THE SECTION 602.3.B OF THE DELDOT STANDARD SPECIFICATIONS.
10. PIPE SHALL NOT ENCROACH ON ADJACENT WALL.
11. INSTALL STEPS IN ACCORDANCE WITH SECTION 602.3.B WHEN INLETS ARE 4' OR DEEPER FROMTHE TOP OF GRATE TO THE INVERT OF THE LOWEST PIPE.

DELDOT INLET BOX DETAILS

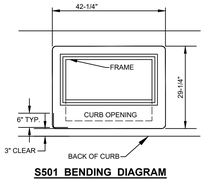
NO SCALE — FOR REFERENCE, SEE DELDOT STANDARD NO. D-4 (2020) SHEET 1 OF 1



TYPE A



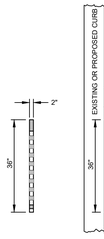
TYPE C



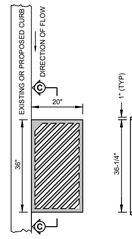
S501 BENDING DIAGRAM

S501 IS NOT REQUIRED TO BE ONE CONTINUOUS BAR. IF MORE THAN ONE BAR IS USED, THERE MUST BE A 12" OVERLAP BETWEEN BARS.

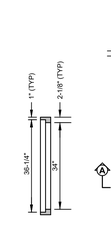
INLET TOP UNIT APPLICATIONS	
TOP UNIT	CURB
TYPE A	USE IN DRAINAGE SWALES AND GRASSED AREAS
TYPE B	INTEGRAL PCC CURB TYPE 1-6



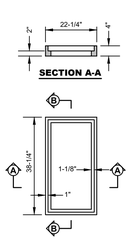
SECTION C-C



DRAINAGE INLET GRATE TYPE 1



SECTION B-B



SECTION A-A

DRAINAGE INLET FRAME

DELDOT DRAINAGE INLET TOP UNITS

NO SCALE — FOR REFERENCE, SEE DELDOT STANDARD NO. D-5 (2020) SHEET 3 OF 9

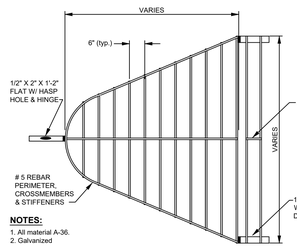
DELDOT DRAINAGE INLET FRAME AND GRATES

NO SCALE — FOR REFERENCE, SEE DELDOT STANDARD NO. D-5 (2020) SHEET 2 OF 9)

FLARED END SECTION CHILD SAFETY RACK

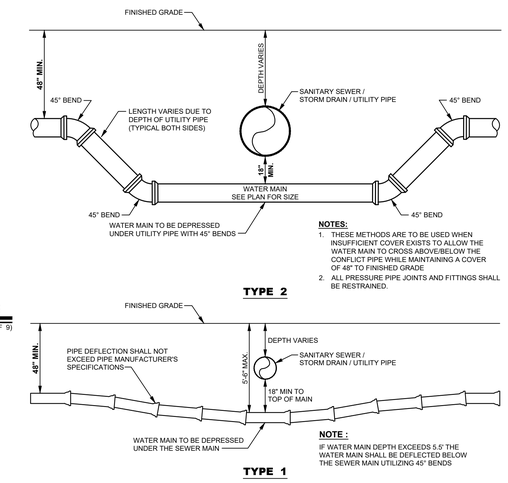
NO SCALE — BMG NO.: SD-09

SECTION



NOTES:
1. All material A-36.
2. Galvanized

PLAN



NOTES:
1. THESE METHODS ARE TO BE USED WHEN INSUFFICIENT COVER EXISTS TO ALLOW THE WATER MAIN TO CROSS ABOVE/BELOW THE CONFLICT PIPE WHILE MAINTAINING A COVER OF 48" TO FINISHED GRADE
2. ALL PRESSURE PIPE JOINTS AND FITTINGS SHALL BE RESTRAINED.

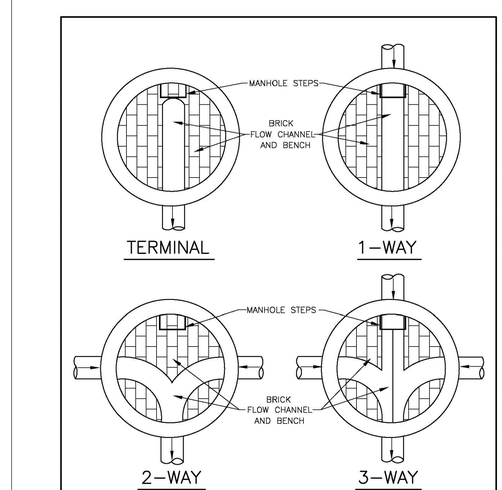
TYPE 2

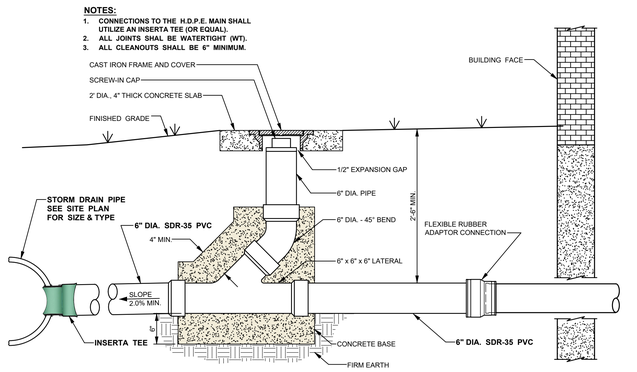
NOTE :
IF WATER MAIN DEPTH EXCEEDS 5.5' THE WATER MAIN SHALL BE DEFLECTED BELOW THE SEWER MAIN UTILIZING 45° BENDS

TYPE 1

WATER MAIN / UTILITY CROSSING DETAIL

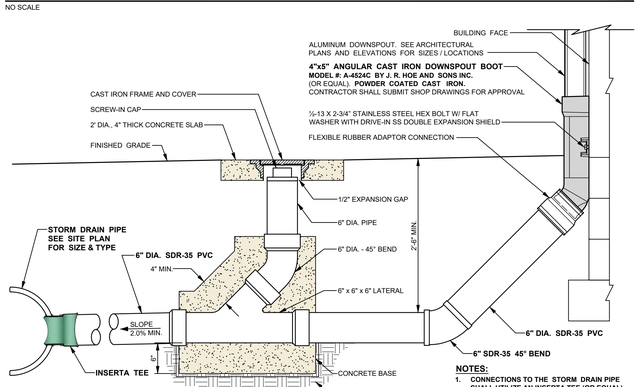
NO SCALE — BMG NO.: W-12A





ROOF DRAIN / DOWNSPOUT WITH 45° WYE CLEANOUT DETAIL

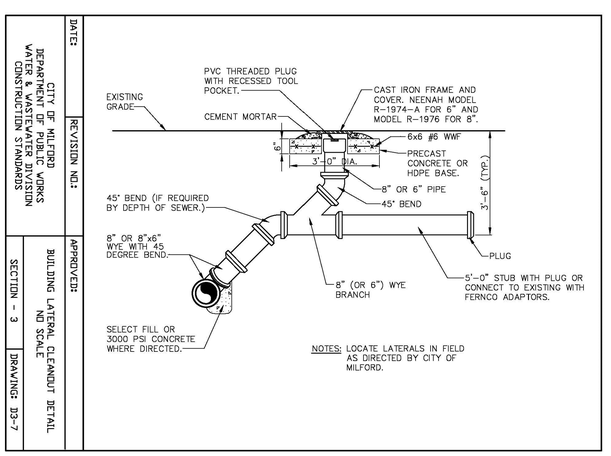
NO SCALE



NOTES:
1. CONNECTIONS TO THE STORM DRAIN PIPE SHALL UTILIZE AN INSERTA TEE (OR EQUAL).
2. ALL JOINTS SHAL BE WATERTIGHT (WT).

ROOF DRAIN / DOWNSPOUT CONNECTION WITH CLEANOUT DETAIL

NO SCALE



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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

CONSTRUCTION DETAILS

ISSUE BLOCK

		NOT FOR CONSTRUCTION
B	03-04-22	ADDENDUM 02

MARK	DATE	DESCRIPTION

PROJECT NO.:	2019030.00
DATE:	2022-03-03
SCALE:	AS SHOWN
DRAWN BY: M.A.R.	PROJ. MGR.: J.S.F.

SHEET
C-903

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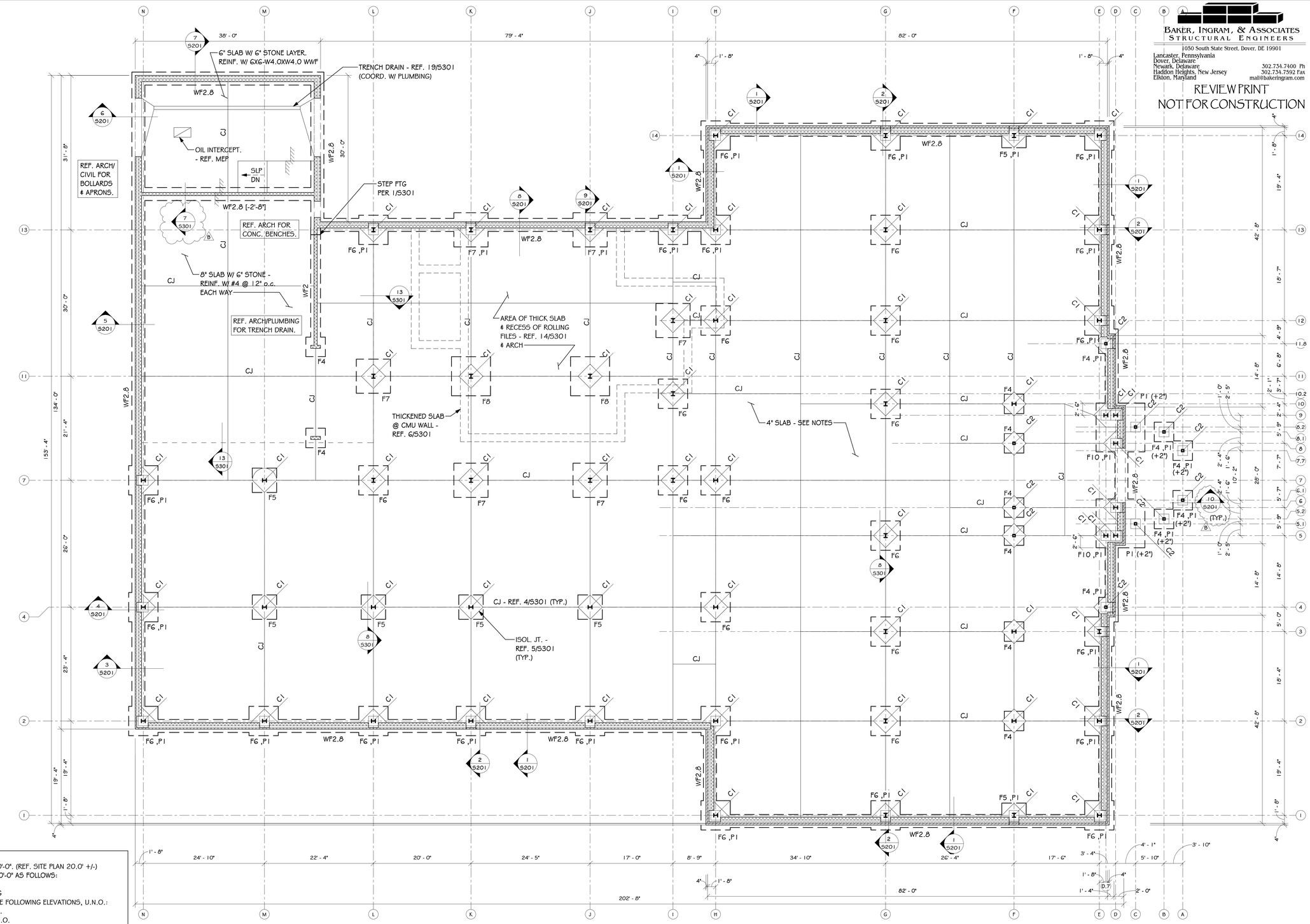

P1 / S101 FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION & FIRST FLOOR PLAN NOTES:

1. FIRST FLOOR REFERENCE ELEVATION = 0'-0". (REF. SITE PLAN 20.0' +/-)
2. ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:
   - (-#'-#") INDICATES TOP OF PIER
   - [-#'-#"] INDICATES TOP OF FOOTING
3. FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, U.N.O.:
   - PIERS T/PIER (-0'-8") U.N.O.
   - FLOOR SLAB T/SLAB (0'-0") - U.N.O.
   - EXTERIOR FTGS T/FTG [-2'-8"] U.N.O.
     - STEP FTGS AS REQ'D TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOTT. 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 M/E/P DRAWINGS.
   - INTERIOR FTGS T/FTG [-1'-4"] U.N.O.
4. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:
   - F#.# FOOTING MARK - SEE SCHEDULE
   - P# PIER MARK - SEE FOUNDATION SECTIONS. ALL PIERS ARE P1 U.N.O.
5. PROVIDE THICKENED SLAB UNDER INTERIOR NON-STRUCTURAL CMU WALLS AS REQUIRED, SEE 6/5301 AND ARCH DRAWINGS.
6. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC.
7. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN.
8. REF. TO STRUCTURAL NOTES DRAWINGS S-100.
9. REF. TO TYPICAL DETAILS ON DRAWING S-301.
10. 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.
11. 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.

FOOTING SCHEDULE

MARK	SIZE	THICK.	REINFORCING
F4	4'-0" x 4'-0"	1'-0"	4 #5 E.W. BOTT.
F5	5'-0" x 5'-0"	1'-0"	5 #5 E.W. BOTT.
F6	6'-0" x 6'-0"	1'-0"	6 #5 E.W. BOTT.
F7	7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.
F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.
F8.6	8'-0" x 6'-0"	1'-4"	7 #6 LONGIT T&B 6 #5 TRANSV. T&B
F10	10'-0" x 10'-0"	1'-8"	8 #7 E.W. BOTT.
WF2	2'-0" x CONT.	1'-0"	3 #5 LONGIT #4 @ 48" TRANSV.
WF2.8	2'-8" x CONT.	1'-0"	4 #4 LONGIT #4 @ 48" TRANSV.
WF3.5	3'-0" x CONT.	1'-0"	4 #4 LONGIT #4 @ 48" TRANSV.

NOTE:
ALLOWABLE SOIL BEARING PRESSURE = 2500 PSF, TO BE VERIFIED IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

PIER, COLUMN & BASE PLATE SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS
C1	W10X33	16" x 16" x 3/4"	(4) 3/4" DIA
C2	HSSGXGX5/16	12" x 12" x 3/4"	(4) 3/4" DIA
MCOL	BY MANUF.	BY MANUF.	BY MANUF.
MP1	16" x 24"	N/A	N/A
MP2	20" x 24"	N/A	N/A
MP3	16" x 22"	N/A	N/A
MP4	32" x 24"	N/A	N/A
P1	24" x 24"	N/A	N/A

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

FOUNDATION PLAN

ISSUE BLOCK

Mark	Date	Description
B	03/04/2022	ADDENDUM 2
	02/21/2022	ISSUED FOR BID

PROJECT NO: 2019030
DATE: 02/21/2022
SCALE: 1/8" = 1'-0"
DRAWN BY: AJC PROJ MGR: CJM

S101

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

ROOF FRAMING PLAN

ISSUE BLOCK

Mark	Date	Description
B	03/04/2022	ADDENDUM 2
	02/21/2022	ISSUED FOR BID

PROJECT NO: 2019030
DATE: 02/21/2022
SCALE: 1/8" = 1'-0"
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P1 / 5102 ROOF/PENTHOUSE FRAMING PLAN
1/8" = 1'-0"

ROOF FRAMING NOTES:
1. ROOF REFERENCE DATUM: 0'-0"
2. T.O. STEEL ELEV.: 14'-0" U.N.O. THUS (XX'-XX")
3. PROVIDE 1-1/2" 20 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)
4. ROOF BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.
5. (▶–) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.
6. PROVIDE L4x4x1/4 @ ENTIRE DECK EDGE. REFERENCE DETAILS.
7. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE.
8. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
9. REFERENCE TYPICAL FOR TYPICAL DETAILS.
10. MECHANICAL UNITS ARE SHOWN SCHEMATICALLY. COORDINATE FINAL BEAM LOCATIONS @ OPENINGS W/ MECHANICAL DRAWINGS & EQUIPMENT SPECS.

PENTHOUSE FRAMING NOTES:
1. FLOOR REFERENCE DATUM: 0'-0"
2. T.O. STEEL ELEV.: 11'-6" U.N.O. THUS (XX'-XX")
3. PROVIDE 1-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS) W/ 4-1/2" CONCRETE TOPPING (6" TOTAL) REINF. W/ 6x6-W1.4xW1.4 WWF. T.O. FLOOR SLAB ELEV.: 12'-0"
4. FLOOR JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.
5. (XX) INDICATES # OF 3/4" DIA. x 4" STUDS.
6. (▶–) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.
7. PROVIDE STRUCTURAL STEEL POUR STOP AT ENTIRE SLAB EDGE. REFERENCE DETAILS.
8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE.
9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
10. REFERENCE TYPICAL FOR TYPICAL DETAILS.

PLAN NORTH

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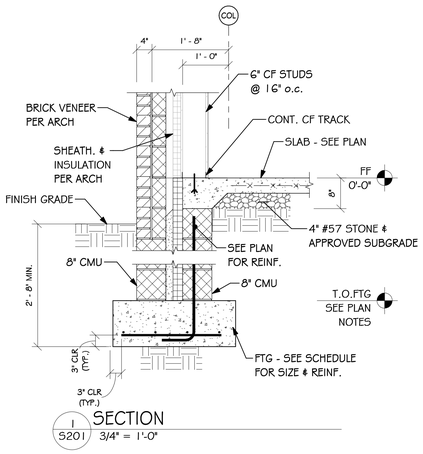

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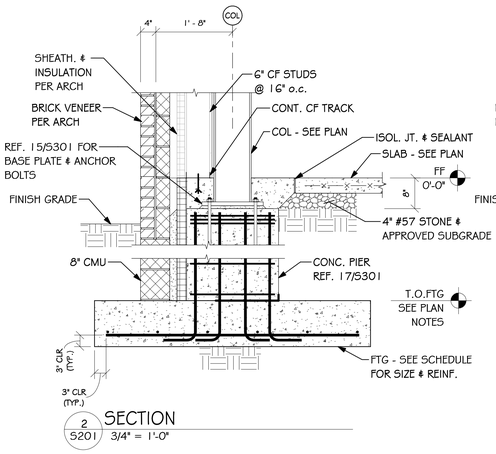

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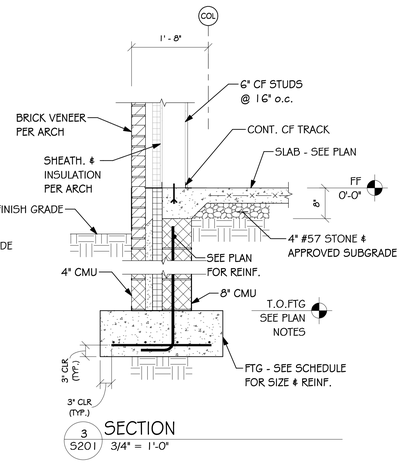

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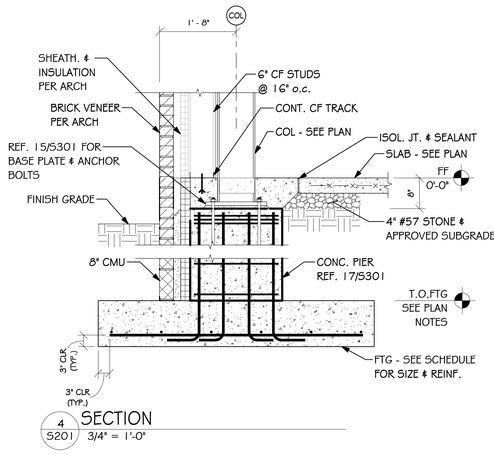

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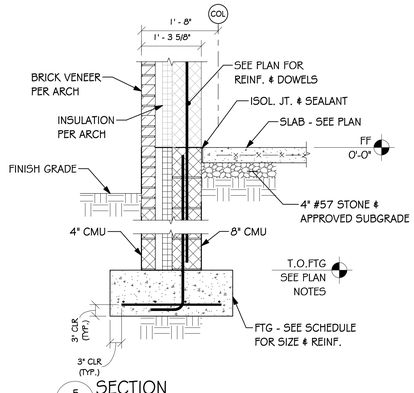

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6 5201 SECTION 3/4" = 1'-0"

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8 5201 SECTION 3/4" = 1'-0"

9 5201 SECTION 3/4" = 1'-0"

10 5201 SECTION 3/4" = 1'-0"

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PROJECT TITLE

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KENT COUNTY, DE

SHEET TITLE

TYPICAL SECTIONS & DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/2022	ADDENDUM 2
	02/21/2022	ISSUED FOR BID

PROJECT NO:	2019030
DATE:	02/21/2022
SCALE:	3/4" = 1'-0"
DRAWN BY: AJC	PROJ MGR: CJM

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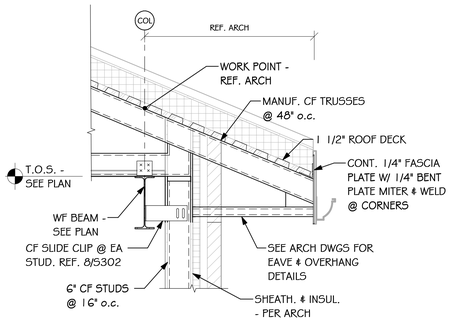

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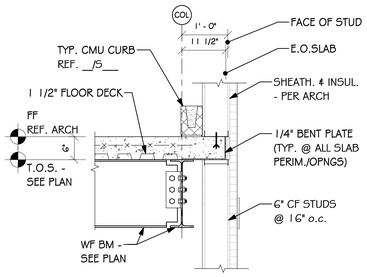

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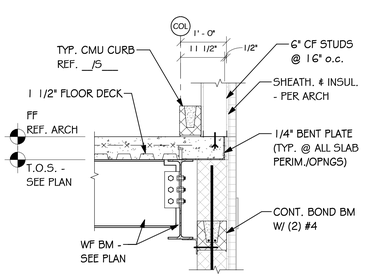

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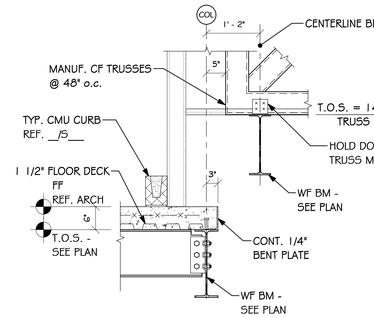

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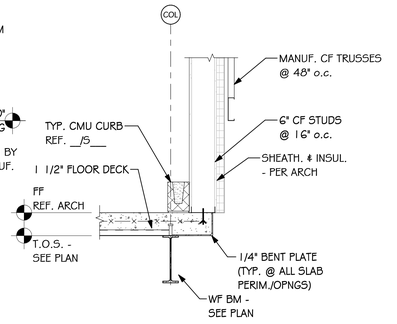

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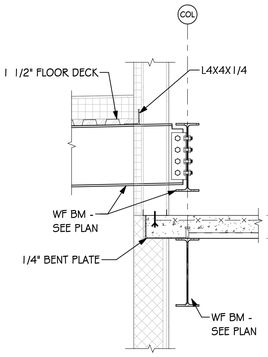

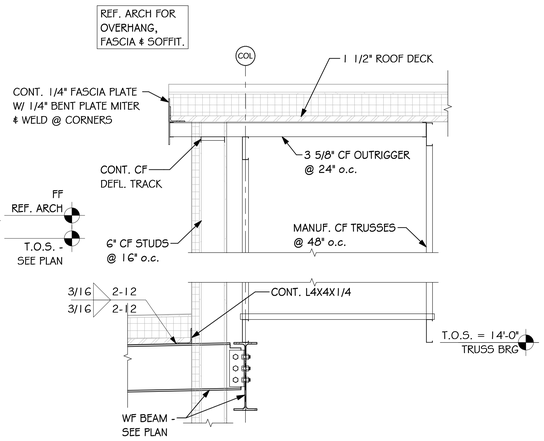

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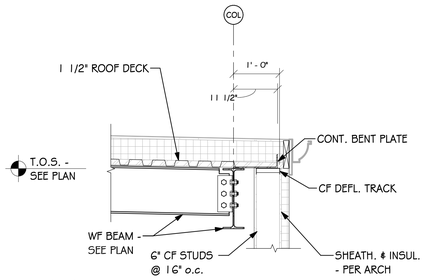

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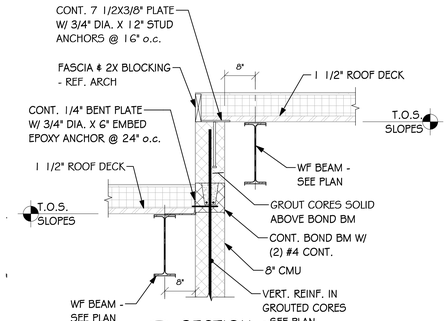

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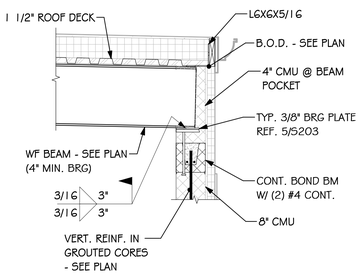
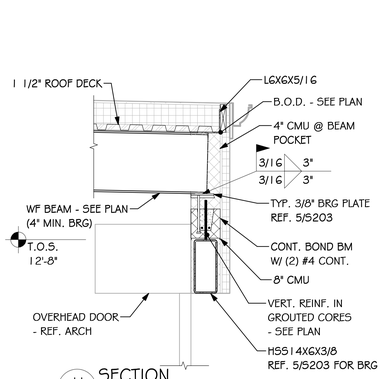


10 5202 SECTION 3/4" = 1'-0"



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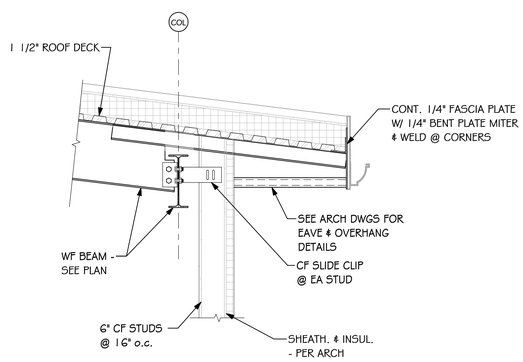

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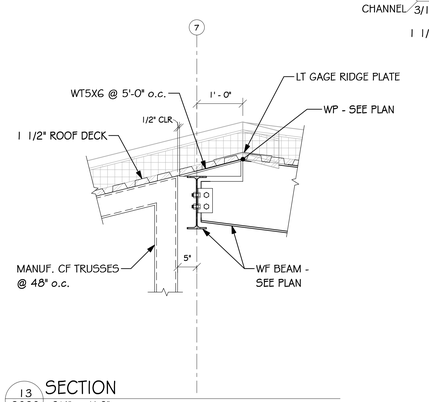

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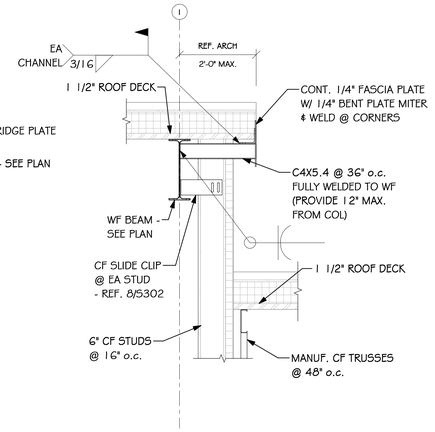

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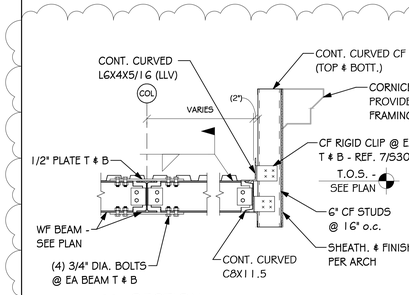

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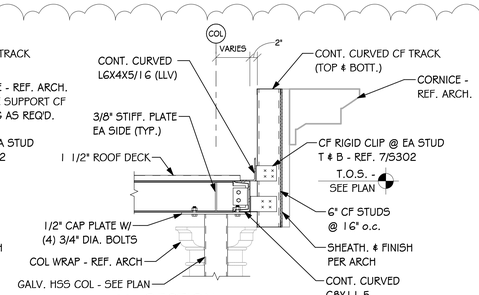
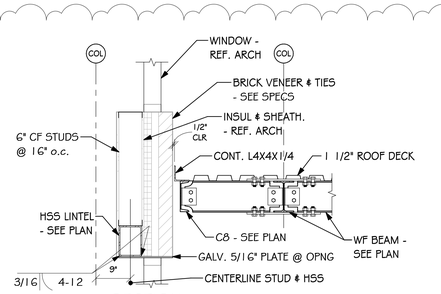


16 5202 SECTION 3/4" = 1'-0"



17 5202 SECTION 3/4" = 1'-0"

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302.369.3700
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Salisbury, MD 21801
410.546.9100
North Carolina
3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600
www.beckermorgan.com

PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

TYPICAL SECTIONS & DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/2022	ADDENDUM 2
	02/21/2022	ISSUED FOR BID

PROJECT NO:	2019030
DATE:	02/21/2022
SCALE:	3/4" = 1'-0"
DRAWN BY: AJC	PROJ MGR: CJM

S202

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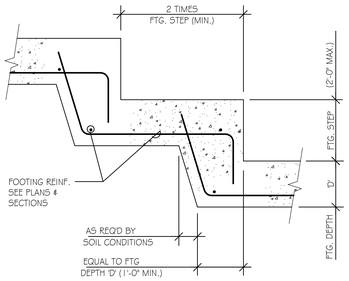
3/3/2022 4:07:50 PM P:\Projects\Current Projects\12207-2019-00-Milford Police Department\Milford\DE\CAD\12207 Milford PD - V20.rvt



1 5301 FOOTING STEP DETAIL
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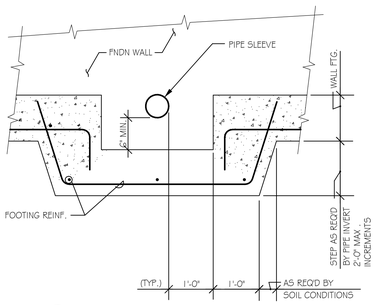
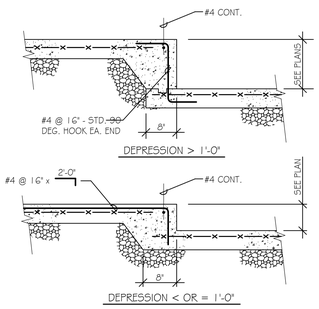
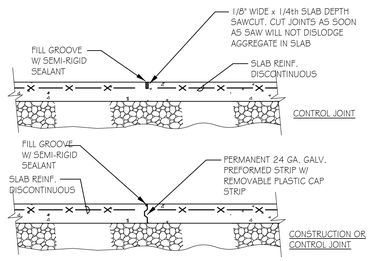


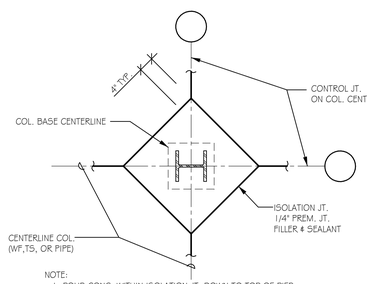
2 5301 STEP FTG. @ PIPE CROSSING
3/4" = 1'-0"



3 5301 SLAB DEPRESSION DETAILS
3/4" = 1'-0"



4 5301 SLAB CONST/CONTROL JOINT
3/4" = 1'-0"



5 5301 SLAB ISOLATION JT @ COLS
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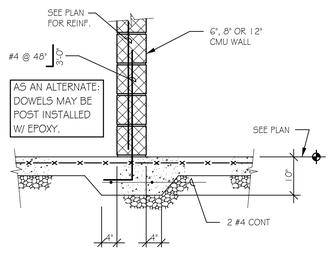

6 5301 THICKENED SLAB DETAIL
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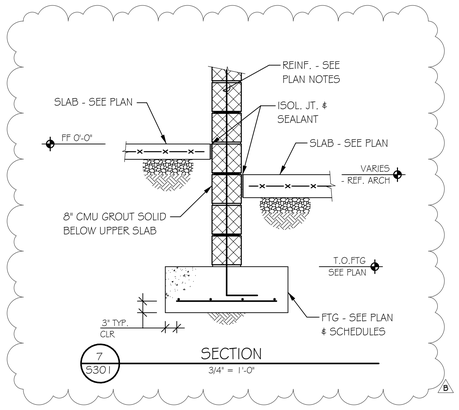

7 5301 SECTION
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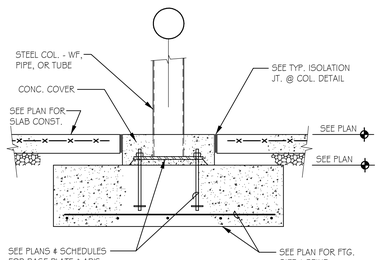

8 5301 COL & BASE PLATE CONC. COVER
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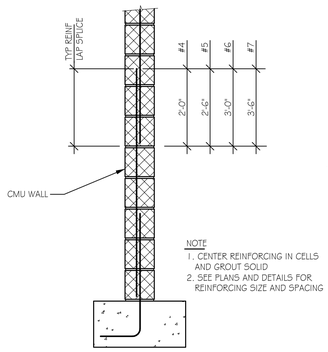

9 5301 REINF. LAP SPLICE DETAIL
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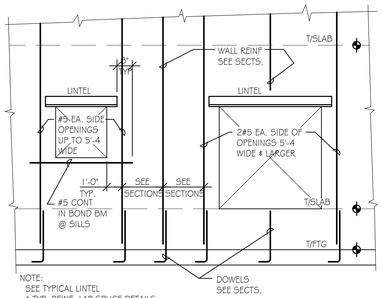
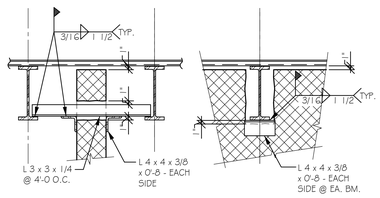


10 5301 REINF @ MASONRY WALL OPENINGS
3/4" = 1'-0

11 5301 MASONRY ANCHORS
3/4" = 1'-0



12 5301 STEEL BM/CMU WALL BRACING DETS
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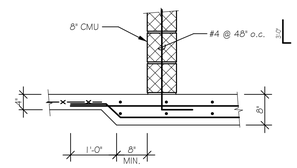

13 5301 SECTION
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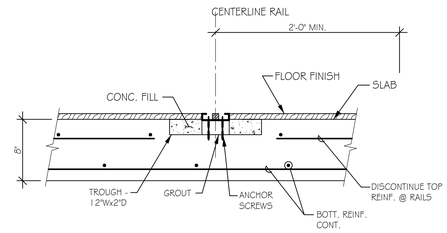
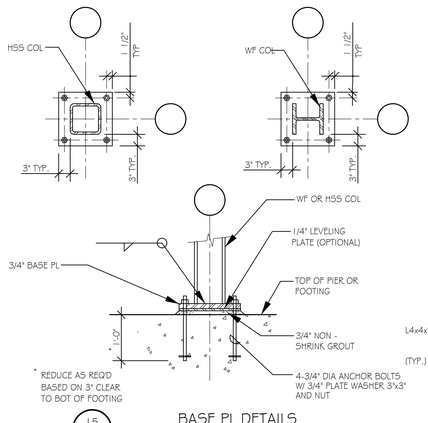
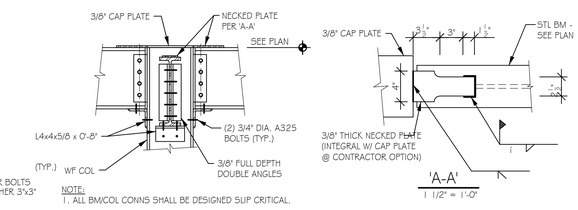


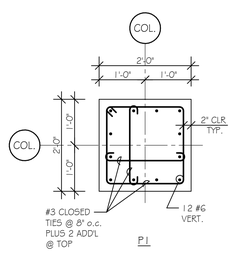
14 5301 RECESSED MOBILE STORAGE SHELVING RAIL
1 1/2" = 1'-0"



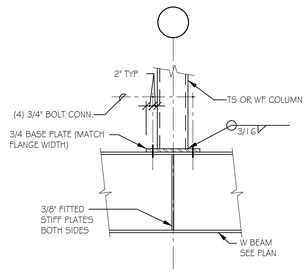
15 5301 BASE PL DETAILS
3/4" = 1'-0



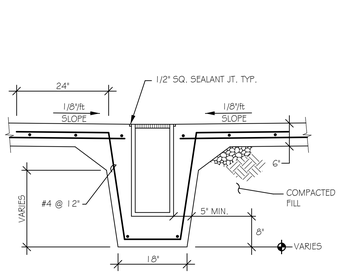
16 5301 WIND MOMENT CONN. @ ROOF (WF)
3/4" = 1'-0



17 5301 PIER DETAILS
3/4" = 1'-0"



18 5301 TYP. COLUMN UP CONNECTION
3/4" = 1'-0



19 5301 DETAIL @ TRENCH DRAIN
3/4" = 1'-0"

BAKER, INGRAM, & ASSOCIATES
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North Carolina
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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

TYPICAL SECTIONS & DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/2022	ADDENDUM 2
	02/21/2022	ISSUED FOR BID

PROJECT NO:	2019030
DATE:	02/21/2022
SCALE:	3/4" = 1'-0"
DRAWN BY: AJC	PROJ MGR: CJM

S301

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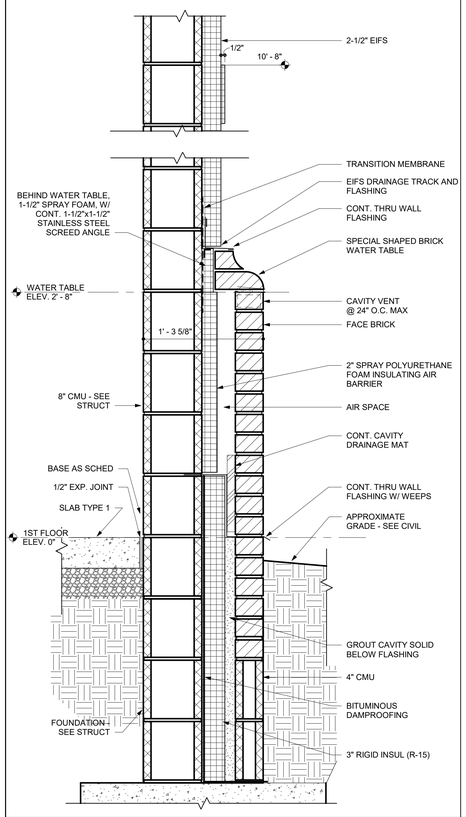
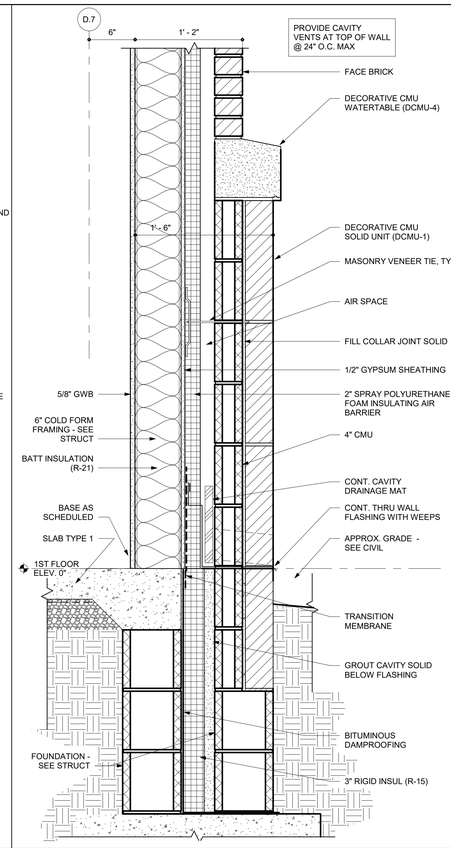
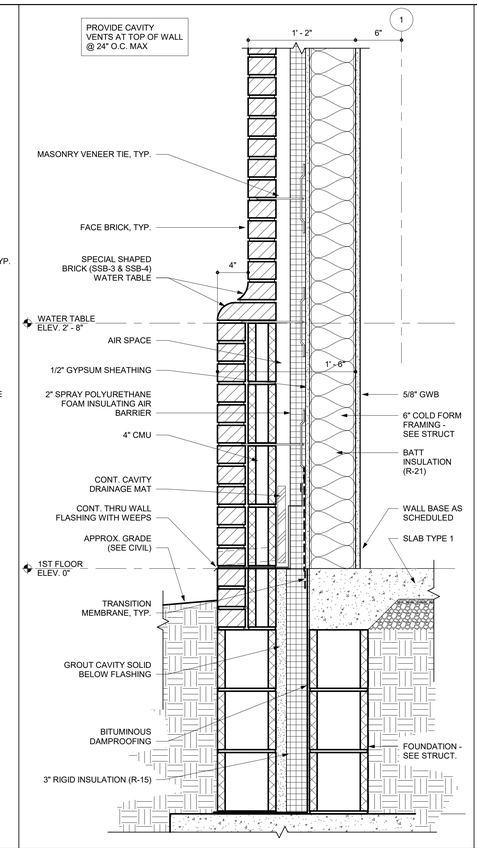


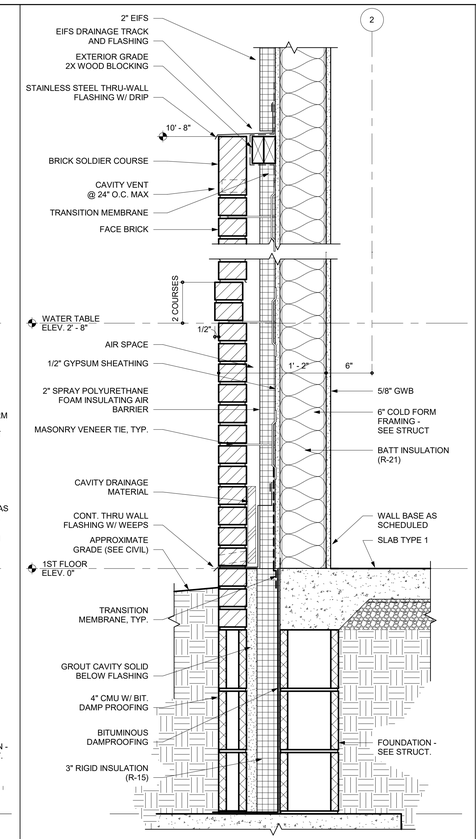
EXTERIOR WALL TYPE 6A



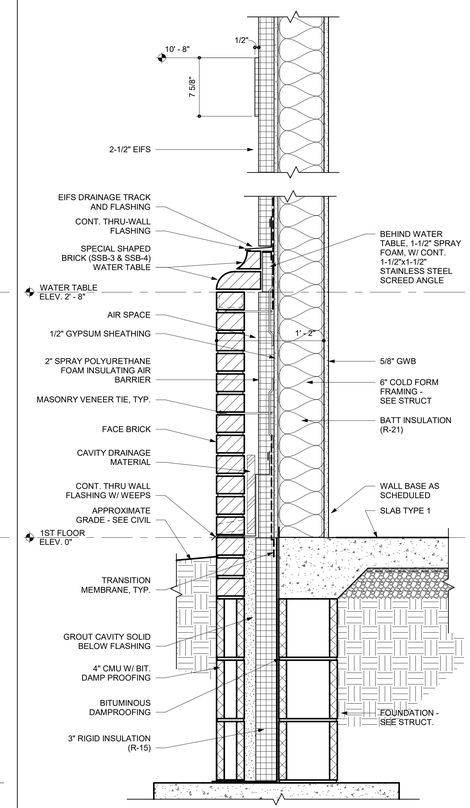
EXTERIOR WALL TYPE 7A



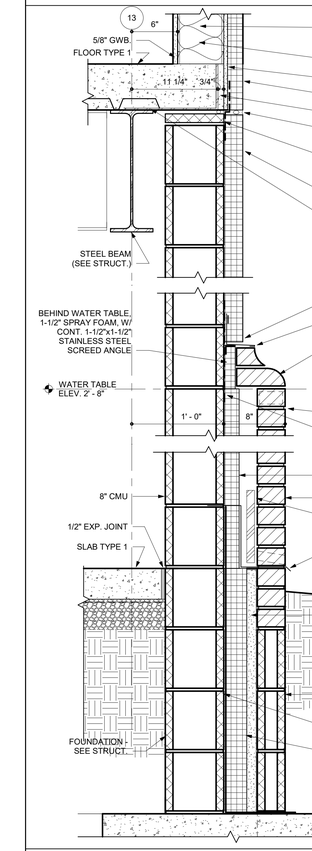
EXTERIOR WALL TYPE 7B



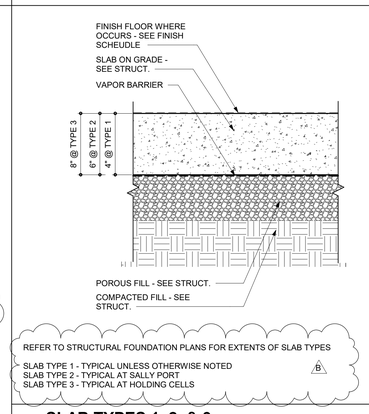
EXTERIOR WALL TYPE 7C



EXTERIOR WALL TYPE 7D

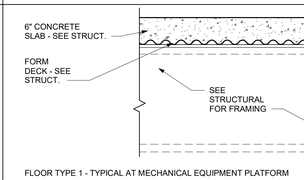


EXTERIOR WALL TYPE 8A



SLAB TYPES 1, 2, & 3

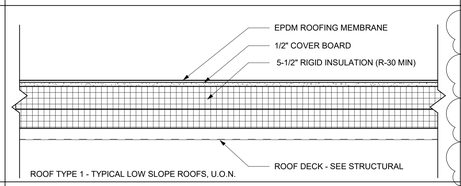
SCALE : N.T.S.



FLOOR TYPE 1 - TYPICAL AT MECHANICAL EQUIPMENT PLATFORM

FLOOR TYPE 1

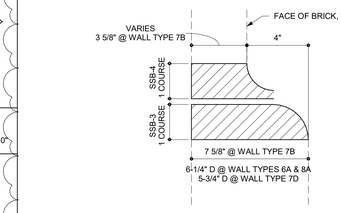
SCALE : 1 1/2" = 1'-0"



ROOF TYPE 1 - TYPICAL LOW SLOPE ROOFS, U.O.N.

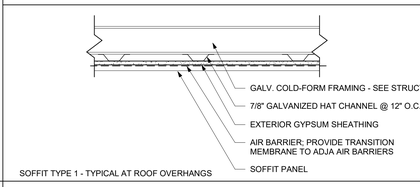
ROOF TYPE 2

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



SPECIAL SHAPE BRICK PROFILES

SCALE: 3" = 1' - 0"



ROOF TYPE 1 - TYPICAL AT STEEP SLOPE ROOFS, U.O.N.

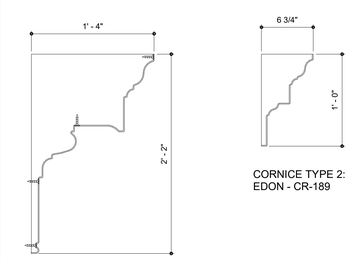
ROOF TYPE 1

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

SOFFIT TYPE 1 - TYPICAL AT ROOF OVERHANGS

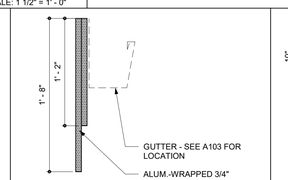
SOFFIT TYPE 1

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

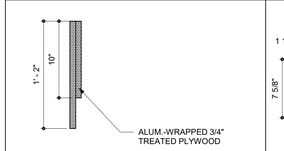


CORNICE TYPES

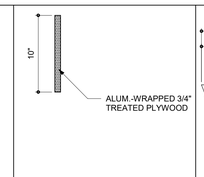
SCALE: 1 1/2" = 1' - 0"



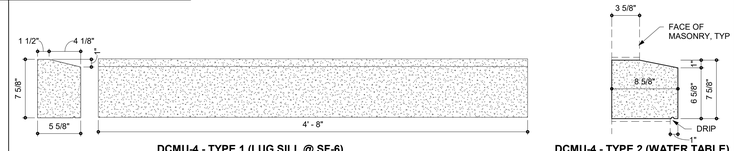
FASCIA TYPE 1



FASCIA TYPE 2



FASCIA TYPE 3

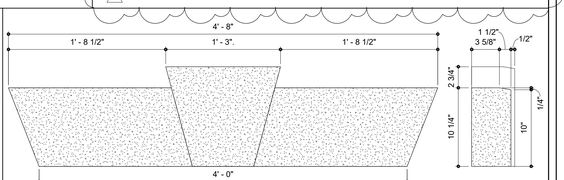


DCMU-4 - TYPE 1 (LUG SILL @ SF-6)

DCMU-4 - TYPE 2 (WATER TABLE)

DECORATIVE CMU TYPES

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



DCMU-3 - TYPE 1 (KEYSTONE W/ JACK ARCH @ SF-6)

SPECIAL SHAPE BRICK PROFILES

SCALE: 3" = 1' - 0"

BECKER MORGAN GROUP

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LINCOLN, DELAWARE 19960
302-422-3732 fax 302-422-4696

DATE OF SIGNATURE: xx/xx/2022
DATE OF REGISTRATION EXPIRATION: xx/xx/xxxx

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

CONSTRUCTION TYPES - EXTERIOR WALLS, SLABS, FLOORS, ROOFS, AND SOFFITS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO:	2019030
DATE:	2/18/2022
SCALE:	As indicated
DRAWN BY: BJC	PROJ MGR: BDF

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FINISH LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER	PRODUCT (NAME/#)	PATTERN / SIZE	COLOR	FINISH	NOTES	LOCATION
FLOOR								
CPT-1	CARPET TILE	TARKETT	OFFSET 11338	18X36	LITHOGRAPHY 30804		MODULAR FLEX AIRE	COMMUNITY ROOM
CPT-2	CARPET TILE	TARKETT	OFFSET 11338	18X36	INK FILM 30807		MODULAR FLEX AIRE	COMMUNITY ROOM
CPT-3	WALK OFF MAT TILE	TARKETT	ABRASIVE ACTION II	24X24	MIDNIGHT BLUE 19101		ETHOS MODULAR BACKING	VESTIBULES
CPT-4	CARPET TILE	MANNINGTON	RULE 30	18X36	OSCILLATOR			HOLDING ROOMS
CPT-5	CARPET TILE	TARKETT	AIDA CLOTH G0052	9X36	COTTON +IRON 57202		ETHOS MODULAR BACKING	EXECUTIVE OFFICES
CPT-6	CARPET TILE	TARKETT	MEADOWSWEET 11365	24X24	STELLARS JAY 67508		MODULAR FLEX AIRE	TYPICAL OFFICES
LVT-1	LUXURY VINYL TILE	TARKETT	MELANGE	18X18	TBD			WORK ROOM
RES-1	RESINOUS FLOORING	STONHARD	STONTEC ERF	1/4" FLAKE, PREMIUM BLEND	CUSTOM MIX, TBD			TOILETS /CORRIDORS
RES-2	RESINOUS FLOORING	STONHARD	STONTEC ERF	1/4" FLAKE, PREMIUM BLEND	CUSTOM MIX, TBD			CORRIDORS
RES-3	RESINOUS FLOORING	STONHARD	STONTEC ERF	1/4" FLAKE, PREMIUM BLEND	CUSTOM MIX, TBD			CORRIDORS
RES-4	RESINOUS FLOORING	STONHARD	STONCLAD UR W/ HT4 TOPCOAT		STEEL GREY	ORANGE PEEL TEXTURE		SALLY PORT
RES-5	RESINOUS FLOORING	STONHARD	STONCLAD GS		STEEL GREY			HOLDING AREA
RES-6	RESINOUS FLOORING	STONHARD	STONTEC ERF WITH TEXTURED TOP COAT	1/4" FLAKE, PREMIUM BLEND	CUSTOM MIX, TBD	GRANULAR NON-SLIP		SHOWERS
RES-7	RESINOUS FLOORING	STONHARD	STONGARD MR		STEEL GREY	ORANGE PEEL TEXTURE		EVIDENCE STORAGE
RUB-1	RUBBER ATHLETIC FLOORING	ECO SURFACES	ECOFIT	48" ROLL	TAKE ONE 1214			EXERCISE
SDT-1	STATIC DISSAPATIVE FLOORING	ARMSTRONG	EXCELON SDT	12X12	COOL WHITE		FLOOR SHALL BE GROUNDED TO BUILDING STEEL	DATA/IT
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON	12X12	COOL WHITE			STORAGE AREAS
BASE								
RB-1	RUBBER COVE BASE	TARKETT	4" TRADITIONAL COVE		PEWTER			TYPICAL
RB-2	RUBBER COVE PROFILE BASE	TARKETT	4" TRADITIONAL COVE		BLUE JEANS			ACCENT COLOR
RB-3	RUBBER COVE BASE	TARKETT	6" TRADITIONAL COVE		BLACK			EXERCISE
RES-1	RESINOUS INTERGRAL COVE	STONHARD	STONTEC ERF		CUSTOM MIX, TBD			TOILETS CORRIDORS
RES-6	RESINOUS INTERGRAL COVE	STONHARD	STONTEC ERF		CUSTOM MIX, TBD			SHOWERS
WD-1	STAINED WOOD TRIM				TO MATCH ARCH. SAMPLE			COMMUNITY ROOM
WD-2	PAINTED WOOD TRIM				WESTHIGHLAND WHITE SW 7566			EXECUTIVE OFFICES

FINISH LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER	PRODUCT (NAME/#)	PATTERN / SIZE	COLOR	FINISH	NOTES	LOCATION
WALL								
CT-1	WALL TILE	CROSSVILLE	ARGENT	SEE 19 & 20/A402	CLEAN SLATE	HONED		TOILET ROOMS
CT-2	ACCENT TILE	WAYNE TILE COMPANY	PENNY ROUND MOSAIC		TBD			TOILET ROOMS
CT-3	TRIM TILE	CROSSVILLE	ARGENT	6X12	CLEAN SLATE	HONED		TOILET ROOMS
HPC-1	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS			SLEEPY BLUE SW6225			CMU WALLS
PT-1	PAINT	SHERWIN WILLIAMS			SHOJI WHITE SW 7042	EGGSHELL		FIELD PAINT
PT-2	PAINT	SHERWIN WILLIAMS			SEA SALT SW6204	EGGSHELL		ACCENT PAINT
PT-3	PAINT	SHERWIN WILLIAMS			ENDLESS SEA SW9150	EGGSHELL		ACCENT PAINT
PT-6	PAINT	SHERWIN WILLIAMS			PEWTER CAST SW7673	GLOSS		DOOR FRAMES
PT-8	PAINT	SHERWIN WILLIAMS			TRICORN BLACK SW6258	SATIN		EXERCISE
CEILING								
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	ULTIMA 1912	24X24	WHITE		9/16 SUPRAFINE GRID	TYPICAL
ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG	ULTIMA 1942	24X24	WHITE		9/16 SUPRAFINE GRID	EXECUTIVE AREA
ACT-3	ACOUSTICAL CEILING TILE	ARMSTRONG	WOODWORKS TEGULAR	W05 PERFORATION, 24X24	TBD FROM MANUFACTURER'S STANDARDS		2820 BK INFILL	COMMUNITY ROOM
HPC-2	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS			SLEEPY BLUE SW6225			HOLDING AREAS / SHOWERS
PT-4	PAINT	SHERWIN WILLIAMS			WESTHIGHLAND WHITE SW 7566	FLAT		TYPICAL CEILING PAINT
PT-5	PAINT	SHERWIN WILLIAMS			ENDLESS SEA SW9150	FLAT		ACCENT CEILING PAINT
PT-7	DRYFALL PAINT	SHERWIN WILLIAMS			SEA SALT SW6204			EXPOSED STRUCTURE
CASEWORK								
PL-1	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE		RIVER CHERRY			COMMUNITY ROOM
PL-2	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE		HARVEST MAPLE			BREAK ROOM
PL-3	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE		TBD			LOUNGE
PL-4	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE		TBD			COUNTERS
PL-5	PLASTIC LAMINATE	WILSONART	TRACELESS LAMINATE		CHARCOAL VELVET			BASE AND UPPERS IN HOLDING
PL-6	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE	AEON SCRATCH RESISTANCE	MUSHROOM	LENO WEAVE FINISH		COUNTERS IN HOLDING
SS-1	SOLID SURFACE	WILSONART	SOLID SURFACE		EUROPA			DISPATCH AND COMM ROOM
SS-2	SOLID SURFACE	WILSONART	SOLID SURFACE		AVALANCE MELANGE			BREAK ROOM
SS-3	SOLID SURFACE	WILSONART	SOLID SURFACE		SOOTHING GREY			EVIDENCE

GENERAL FINISH PLAN NOTES

1. REVIEW ALL FIELD CONDITIONS AND PLANNED WORK. RESOLVE ALL DISCREPANCIES IN A MANNER APPROVED BY THE ARCHITECT THAT COULD AFFECT THE FINISHES OR TRANSITIONS PRIOR TO PROCEEDING WITH WORK AFFECTED BY DISCREPANCIES.
2. ALL FINISHES SHALL BE TYPE 1/ CLASS A FLAME AND SMOKE SPREAD. REFER TO FINISH AND MATERIAL SCHEDULES.
3. REFER TO ELEVATIONS, REFLECTED CEILING PLANS AND DETAILS FOR ADDITIONAL INFORMATION REGARDING FINISHES, PATTERNS, ORIENTATIONS AND TRANSITIONS.
4.PREPARE SURFACES PER FINISH MANUFACTURERS' INSTRUCTIONS PRIOR TO APPLICATIONS OF FINISHES, CONFIRM SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES.
5. PREPARE SLAB TO RECEIVE NEW FINISHES, INCLUDING STRUCTURALLY BONDED HYDRAULIC CEMENT UNDERLAYS AND FLASH PATCHING REQUIRED TO LEVEL AND SMOOTH FLOOR TO 1/8" IN 20'-0" NON-CUMULATIVE, UNLESS OTHERWISE INDICATED AS FLATTER AND MORE LEVEL. CONCRETE FLOORS SHALL BE FREE FROM SCALING AND IRREGULARITIES AND SHALL EXHIBIT NEUTRALITY RELATIVE TO ACIDITY AND ALKALINITY. REMOVE GREASE, DIRT CURING COMPOUNDS AND OTHER MATERIALS THAT WILL IMPAIR THE PERFORMANCE AND/OR ADHESION OF THE SCHEDULED FLOORING.
6. LOCATE FLOOR FINISH TRANSITIONS AT CENTERLINE OF DOOR, UNLESS OTHERWISE NOTED.
7. PROVIDE COMPLETE EXTRUDED REVEALS IN ALL REVEAL LOCATIONS. FINISH TO MATCH ADJACENT SURFACE FINISH, UNLESS NOTED OTHERWISE.
8. PAINT AND FINISH EXPOSED SURFACES UNLESS OTHERWISE NOTED. PAINT SURFACES BEHIND REMOVABLE EQUIPMENT/FURNITURE. PAINT BEHIND NON-REMOVABLE ITEMS WITH PRIME COAT ONLY.
9. LAY RESILIENT FLOORING DIRECTIONAL PATTERNS OR GRAINS AS NOTED, OR IF NOT NOTED AS DIRECTED BY THE ARCHITECT.
10. GRILLES, PLATES, DIFFUSERS AND OTHER ITEMS OCCURRING IN WALLS OR CEILINGS SHALL BE FACTORY FINISHED IN PAINT OF COLOR AND SHEEN TO MATCH SURFACES ON WHICH THEY OCCUR UNLESS OTHERWISE NOTED.
11. PRIME ALL MATERIAL PRIOR TO PAINTING.
12. SEALANT TO BE APPLIED BETWEEN BASE OF ALL DOOR FRAMES AND TILE FLOORING. SEALANT TO MATCH COLOR OF DOOR FRAMES.
13. EXTEND FLOORING INTO ALL TOE KICKS, KNEE SPACES AND EXPOSED AREAS UNDER ANY EXISTING CASEWORK. FLOORING AS SCHEDULED SHALL BE INSTALLED UNDER ALL NEW CASEWORK.
14. MOLD- AND MOISTURE-RESISTANT GYPSUM BOARD SHALL BE USED AT ALL KITCHEN AREAS, TOILET ROOMS, AND CUSTODIAN SERVICE CLOSETS SCHEDULED TO HAVE GYPSUM BOARD FINISHES. THIS INCLUDES UNDER ALL CASEWORK AND APPLIANCES.
15. PLAN WALL TYPES TAKE PRECEDENCE OVER SCHEDULED WALL FINISH. PROVIDE APPROPRIATE WALL FINISH TO CORRESPOND TO WALL TYPES.
16. PROVIDE SEALANT/CAULK AT INTERSECTIONS OF DISSIMILAR MATERIALS AND AS RECOMMENDED BY MANUFACTURERS' GUIDELINES.

FINISH SYMBOL LEGEND

XX - # — CEILING FINISH
XX - # — WALL FINISH
XX - # — WALL BASE
XX - # — FLOOR FINISH

CPT ◀ VCT / LVT / SDT — TARKETT JOHNSONITE RUBBER TRANSITION STRIP - COORDINATE W/ FINISH MATERIAL THICKNESS

CPT ◀ RES — TARKETT JOHNSONITE RUBBER REDUCER STRIP - COORDINATE W/ FINISH MATERIAL THICKNESS

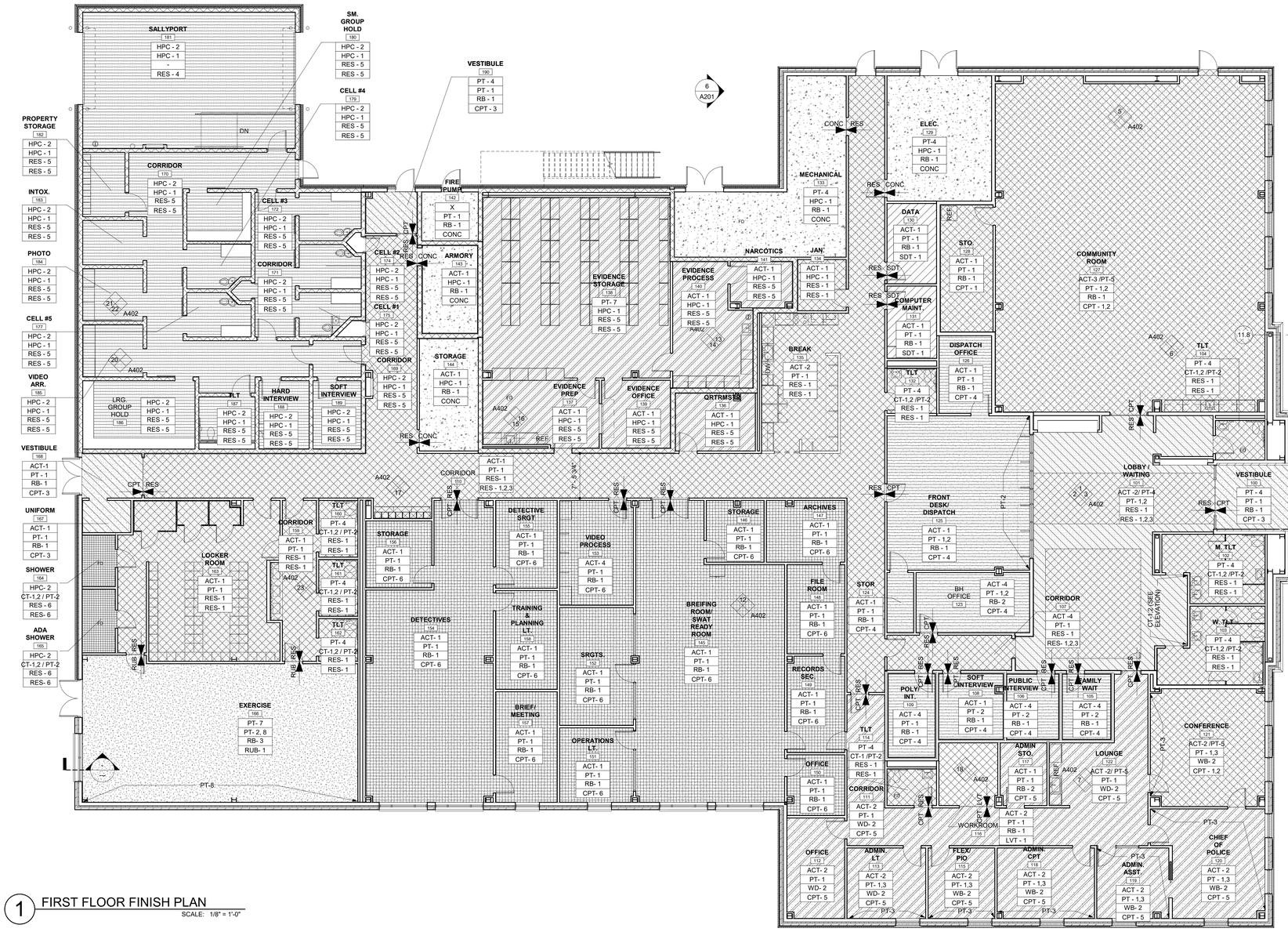
RUB ◀ RES — TARKETT JOHNSONITE RUBBER REDUCER STRIP - COORDINATE W/ FINISH MATERIAL THICKNESS

NOTE: COLOR SELECTED BY DESIGNER

FLOORING PATTERN INSTALL DIRECTION

FLOOR FINISH PATTERNS

CPT-1
CPT-2
CPT-3
CPT-4
CPT-5
CPT-6
CONC
LVT-1
RES-1
RES-2
RES-3
RES-4
RES-5
RES-6
RES-7
RUB-1
SDT-1
VCT-1



1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

FINISH FLOOR PLAN

ISSUE BLOCK		
B	03/04/22	ADDENDUM 02
Mark	Date	Description

PROJECT NO:	2019030
DATE:	2/18/2022
SCALE:	As indicated
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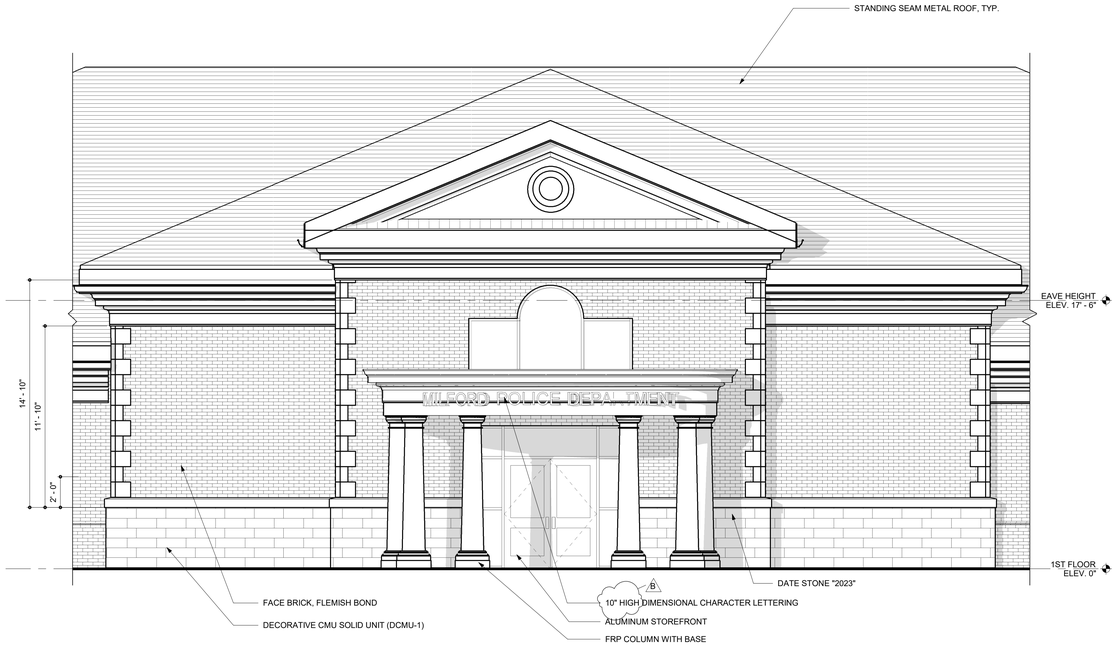

2 ENLARGED MAIN ENTRY ELEVATIONS

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

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KENT COUNTY, DE

SHEET TITLE

EXTERIOR ELEVATIONS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO: 2019030
DATE: 2/18/2022
SCALE: 1/4" = 1'-0"
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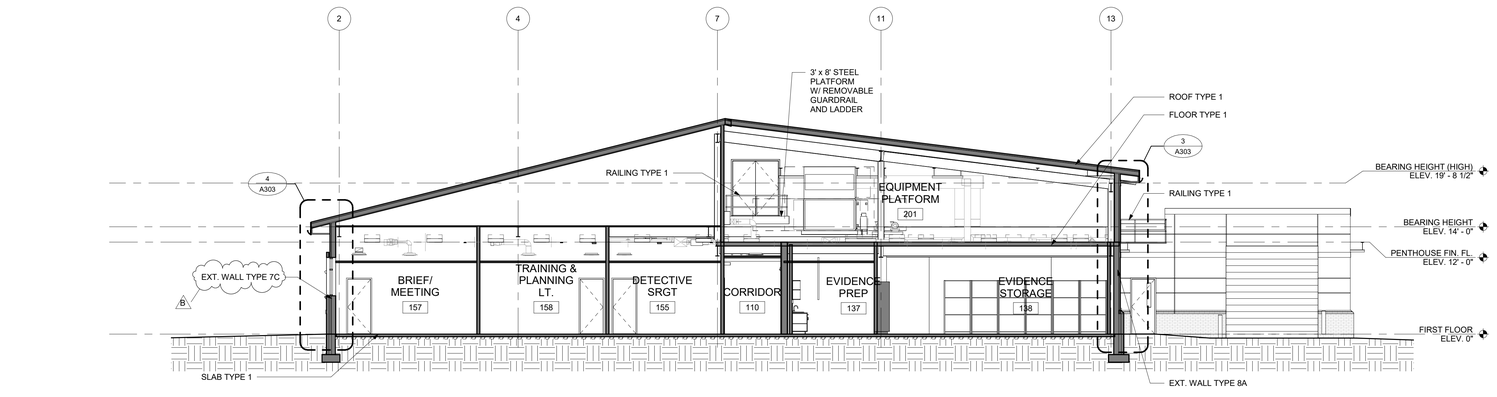
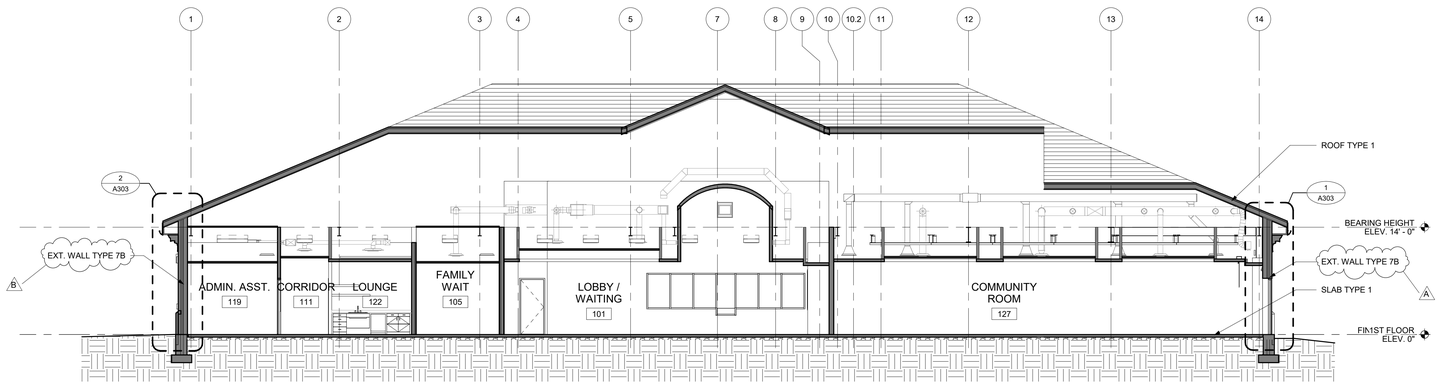
3 BUILDING SECTION AT EXERCISE, HOLDING & SALLYPORT

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



2 BUILDING SECTION AT EQUIPMENT PLATFORM

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



1 BUILDING SECTION AT LOBBY AND COMMUNITY ROOM

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

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MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

BUILDING SECTIONS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02
A	01/25/22	ADDENDUM_01

PROJECT NO:	2019030
DATE:	2/18/2022
SCALE:	1/8" = 1'-0"
DRAWN BY: INB	PROJ MGR: BDF

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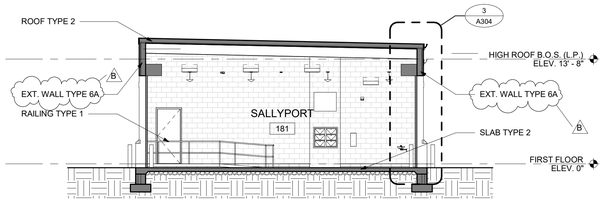
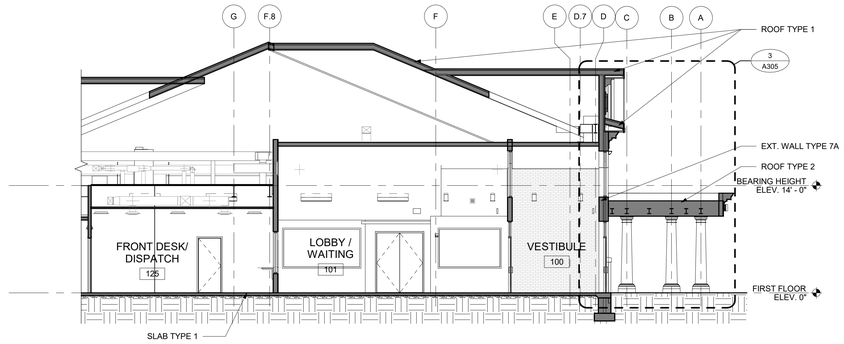


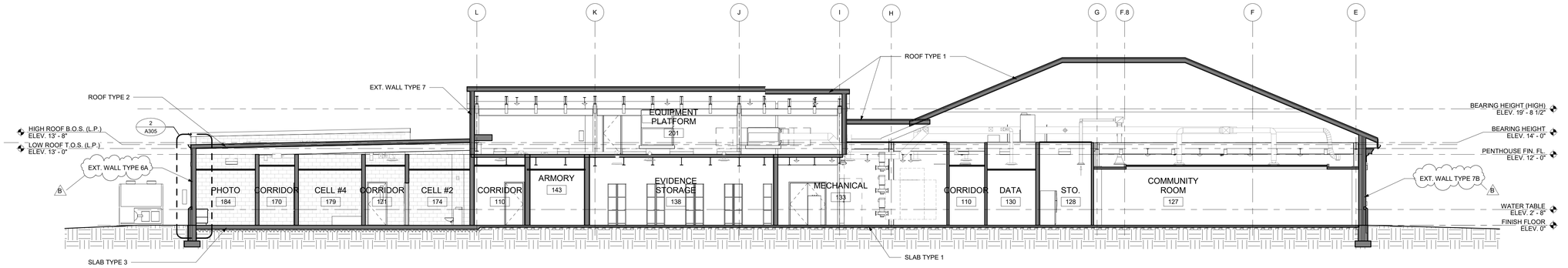
4 BUILDING SECTION AT SALLYPORT

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



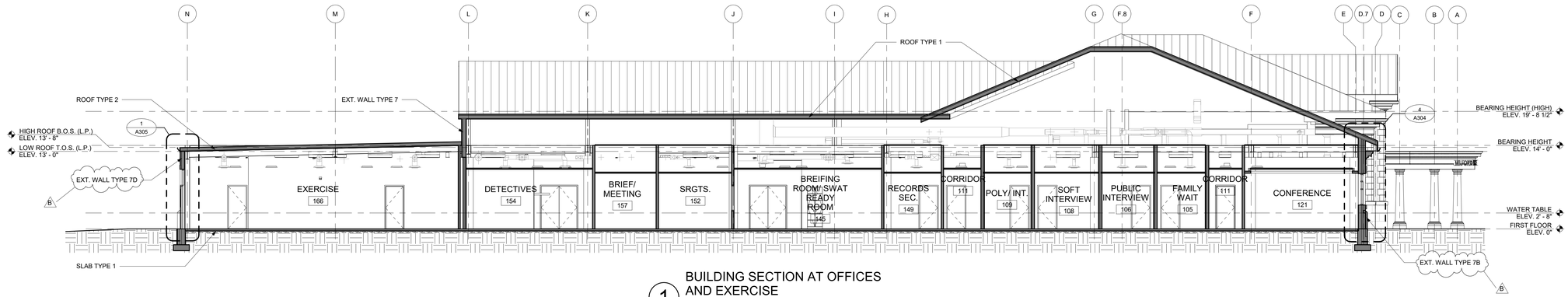
3 BUILDING SECTION AT FRONT CANOPY

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



2 BUILDING SECTION AT COMMUNITY ROOM AND HOLDING

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



1 BUILDING SECTION AT OFFICES AND EXERCISE

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

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401 NE FRONT STREET
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SHEET TITLE

BUILDING SECTIONS

ISSUE BLOCK

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A	01/25/22	ADDENDUM_01

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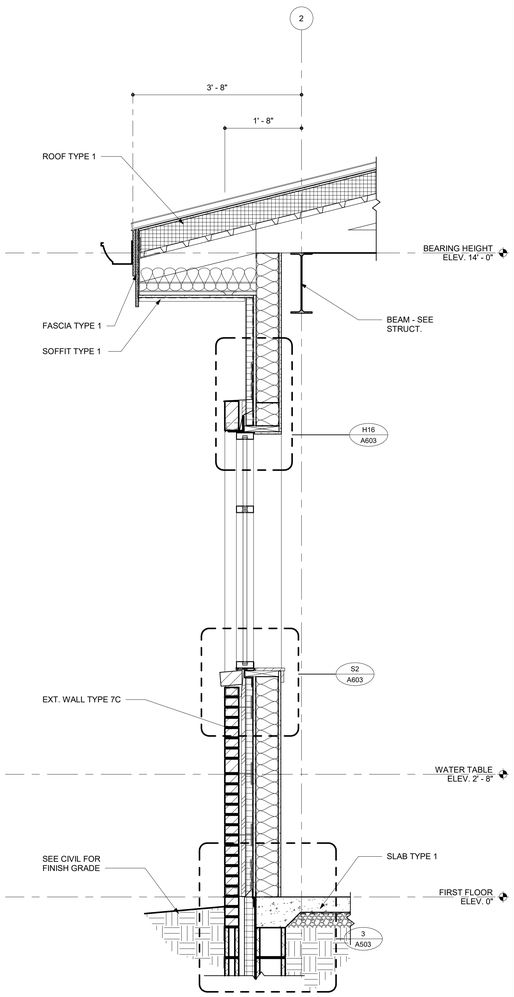
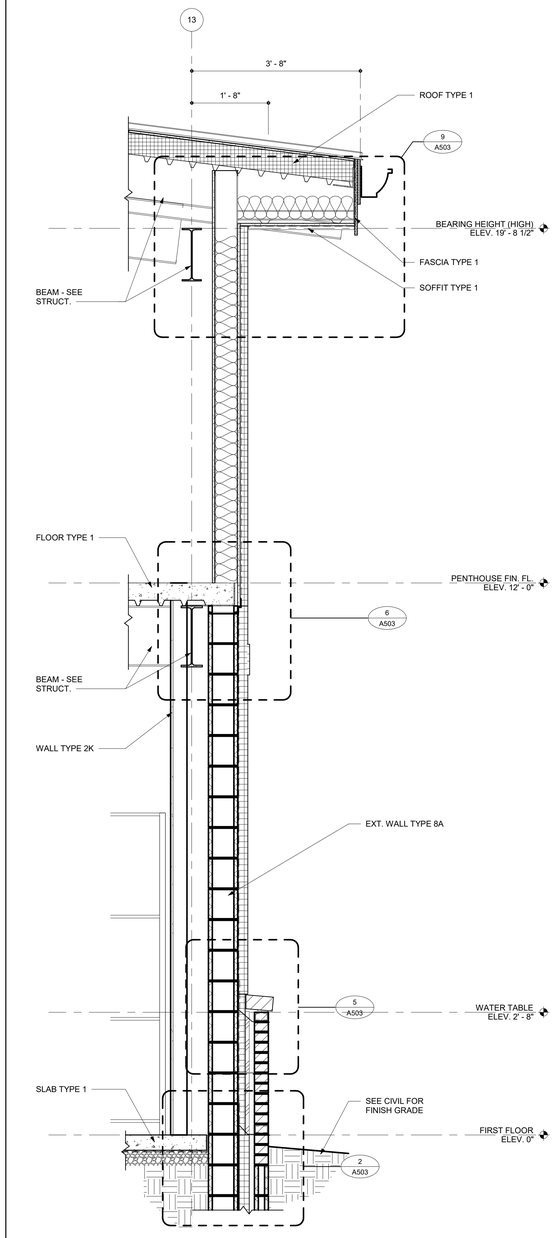


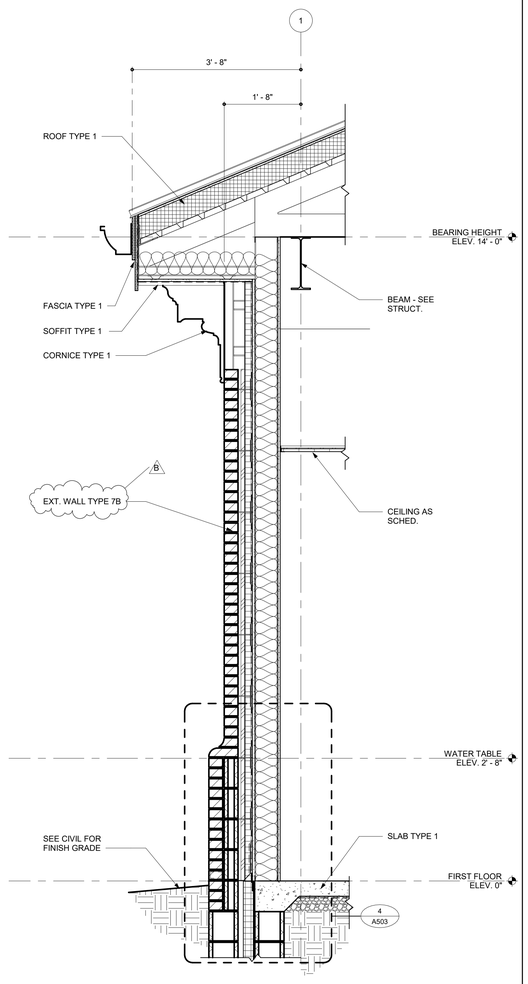
4 WALL SECTION AT REAR SOFFIT

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



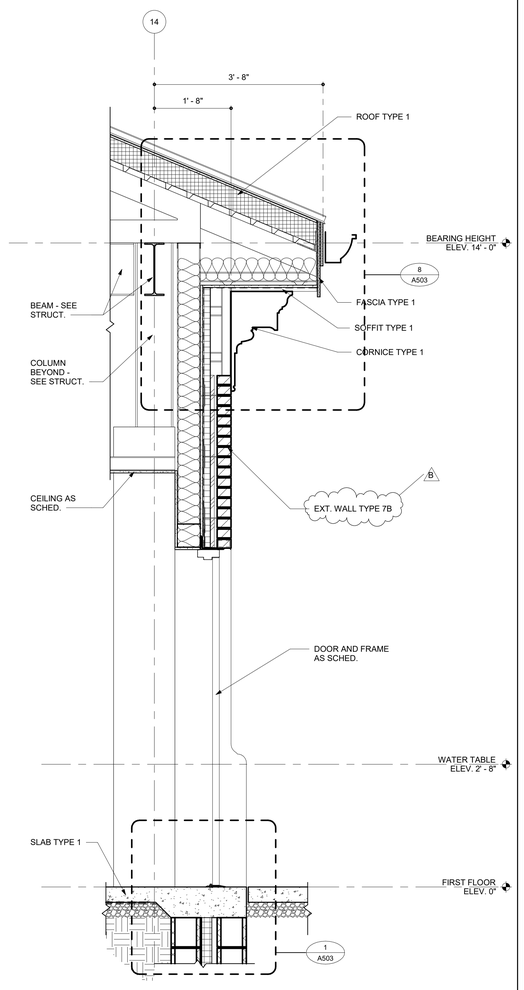
3 WALL SECTION AT EQUIPMENT PLATFORM

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



2 WALL SECTION AT FRONT SOFFIT

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



1 WALL SECTION AT SIDE DOOR

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

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LINCOLN, DELAWARE 19960
302-422-3732 fax 302-422-4696

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

WALL SECTIONS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02
A	01/25/22	ADDENDUM_01

PROJECT NO: 2019030
DATE: 2/18/2022
SCALE: 3/4" = 1'-0"
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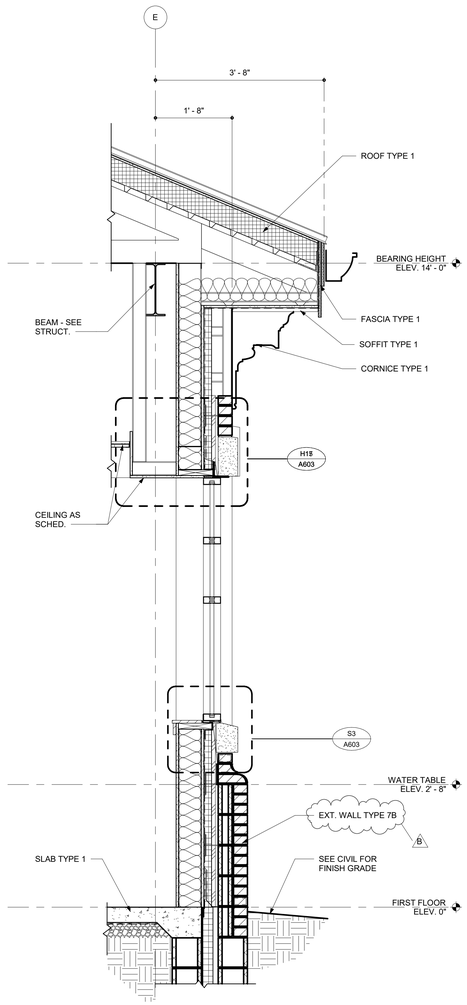
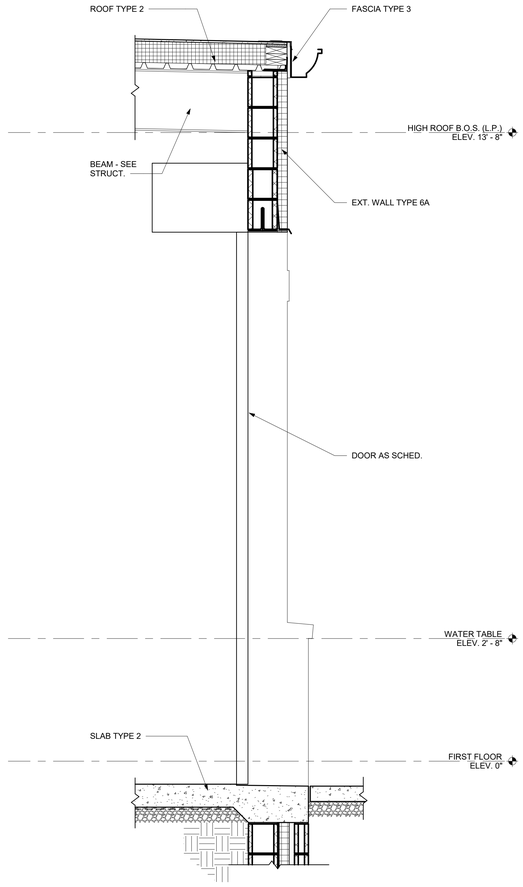


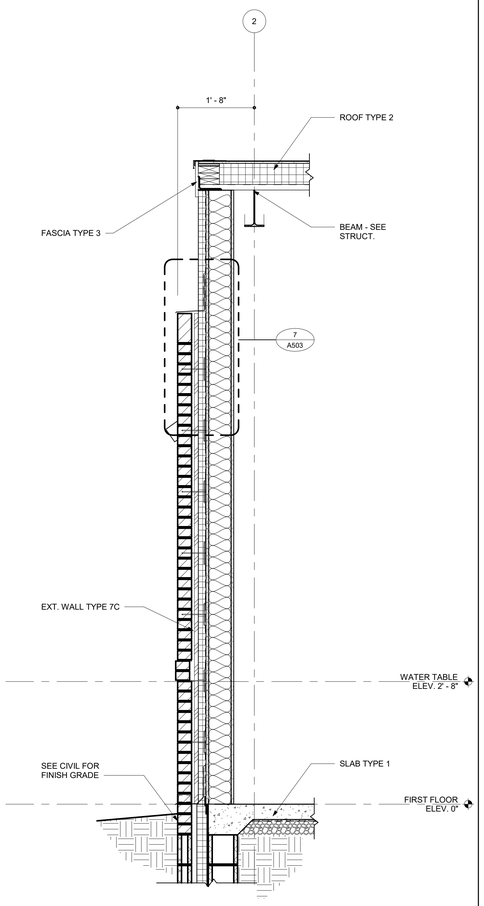
4 WALL SECTION AT FRONT WINDOW

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



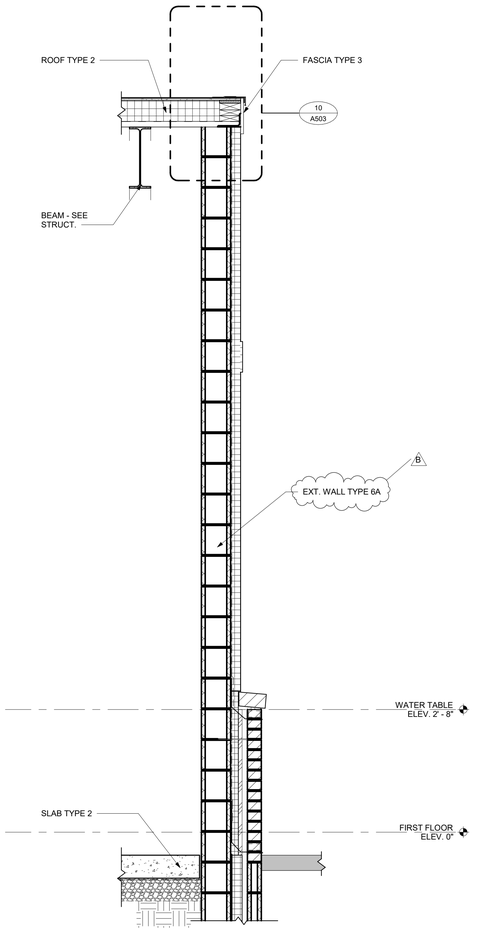
3 WALL SECTION AT OVERHEAD DOOR

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



2 WALL SECTION AT SIDE PARAPET

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



1 WALL SECTION AT SALLYPORT PARAPET

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

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

WALL SECTIONS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO: 2019030
DATE: 2/18/2022
SCALE: 3/4" = 1'-0"
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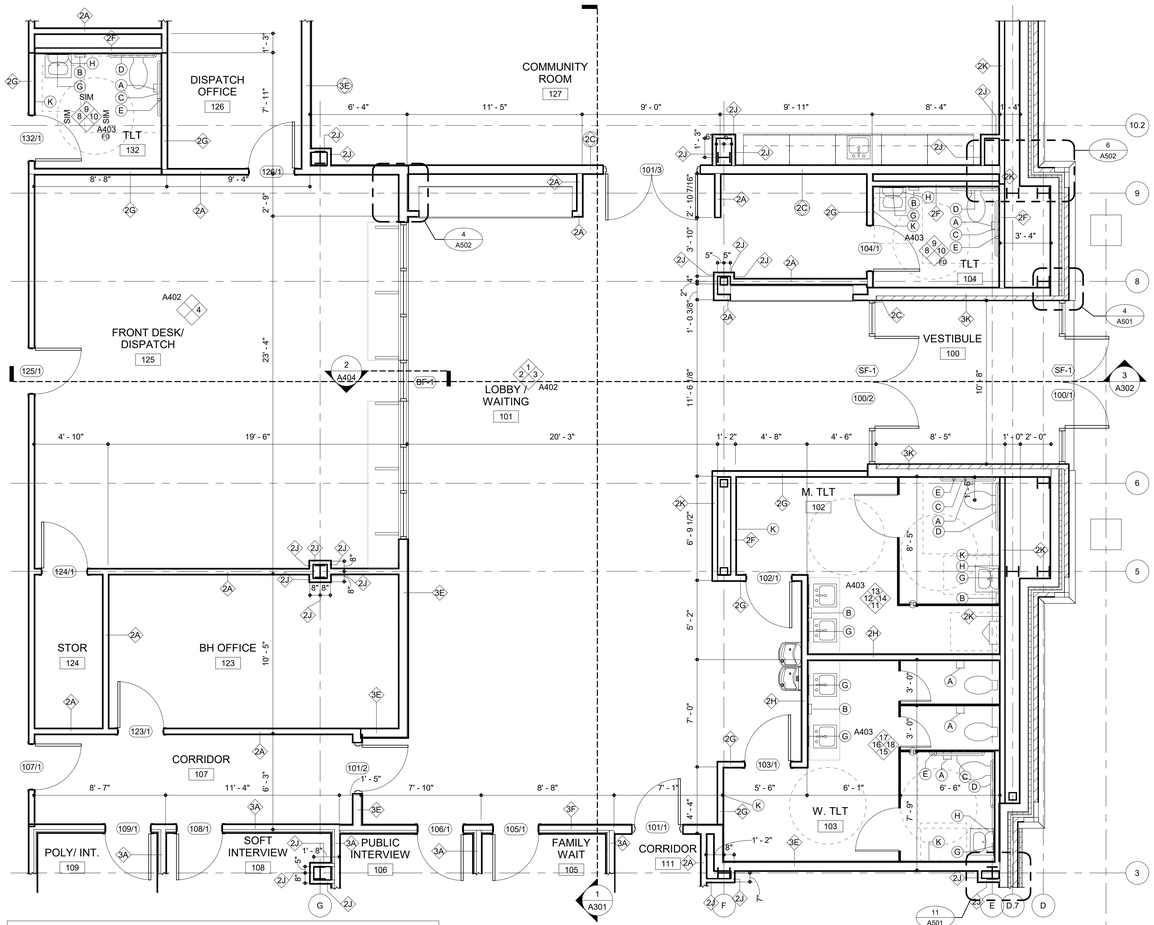
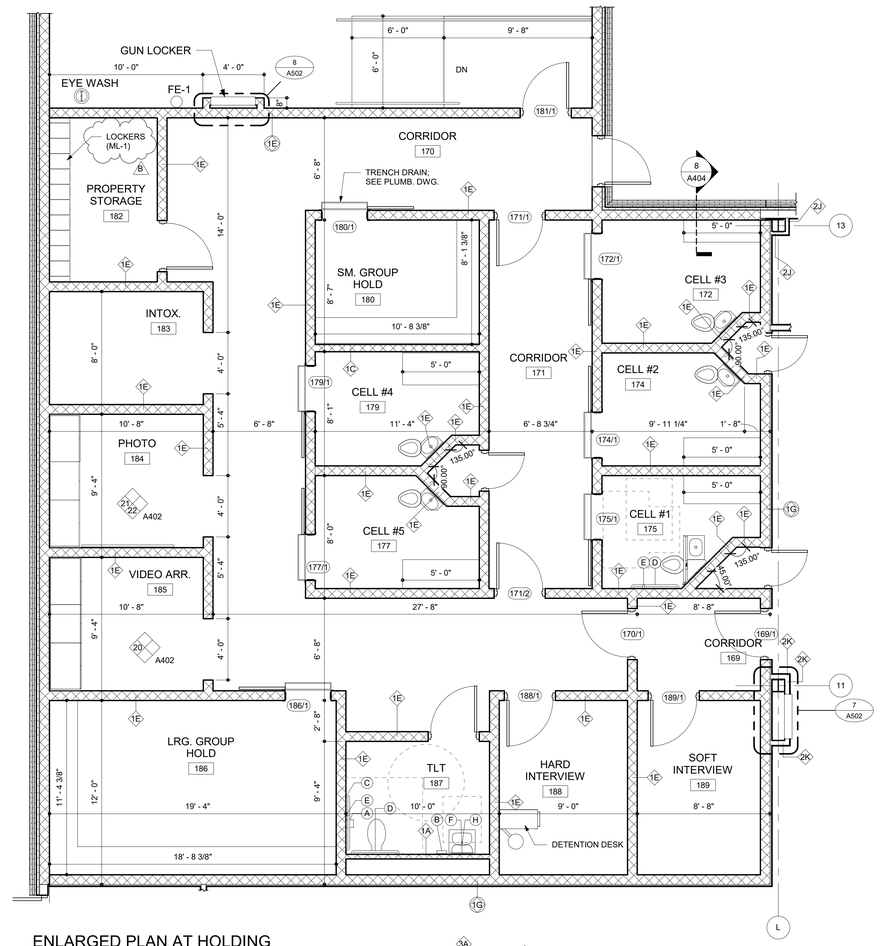
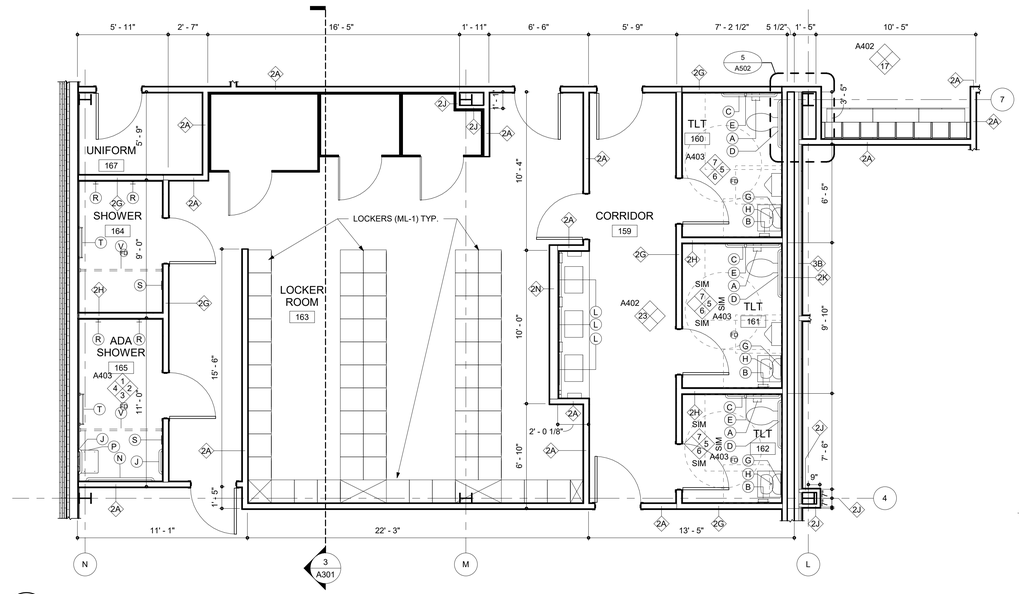


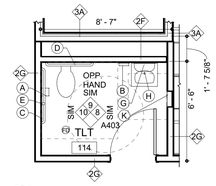
1 LOBBY ENLARGED PLAN
SCALE: 1/4" = 1'-0"



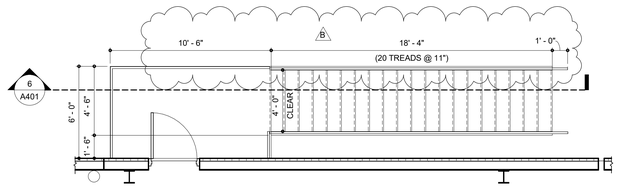
2 ENLARGED PLAN AT HOLDING CELLS
SCALE: 1/4" = 1'-0"



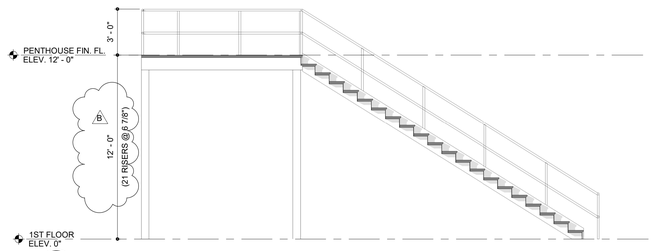
3 CENTRAL FACILITIES
SCALE: 1/4" = 1'-0"



4 TOILET ROOM @ ADMIN AREA
SCALE: 1/4" = 1'-0"



5 ENLARGED PLAN AT PENTHOUSE STAIR
SCALE: 1/4" = 1'-0"

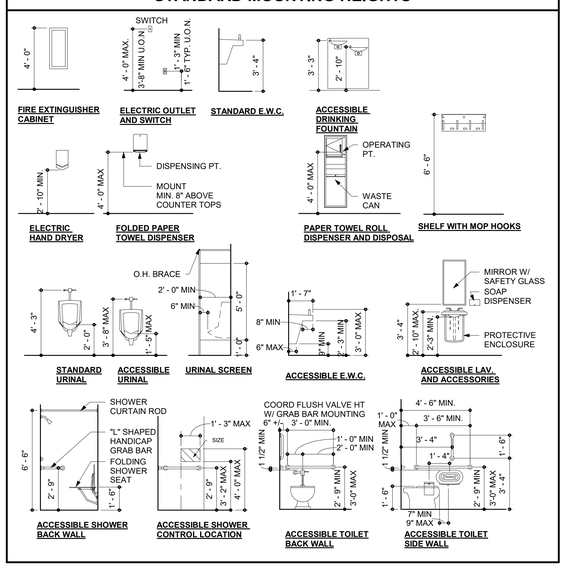


6 SECTION - EXTERIOR STAIR
SCALE: 1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

KEY	ACCESSORY DESCRIPTION	MFR'S PRODUCT NO.	QTY
A	SURFACE-MOUNTED TOILET PAPER DISPENSER	B-2888	12
B	SOAP DISPENSER	B-2112	11
C	42" HORIZONTAL GRAB BAR	B-6806	10
D	36" HORIZONTAL GRAB BAR	B-6806	11
E	18" VERTICAL GRAB BAR	B-6806	11
F	STAINLESS STEEL MIRROR 18"W x 36"H	B-1556-1836	1
G	16"x24" MIRROR	B-165 624	13
H	UNDERLAV SHIELD	SEE PLUMBING	10
J	24" HORIZONTAL GRAB BAR	B-6806 99x18	2
K	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE	B-369 ClassicSeries	8
L	24" X 48" MIRROR	B-165 2448	3
N	54" HORIZONTAL GRAB BAR	B-6806 99x54	1
P	FOLDING SHOWER SEAT	B-5191	1
R	DOUBLE ROBE HOOK	B-6727	4
S	RECESSED SOAP DISH	SEE TILE SPEC	2
T	TOWEL BAR 24" LONG	B-530 18	2
V	SHOWER CURTAIN ROD W/ CURTAIN AND HOOKS	B-6047, 204-1, 204-2	2

STANDARD MOUNTING HEIGHTS



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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

ENLARGED PLANS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO: 2019030
DATE: 2/18/2022
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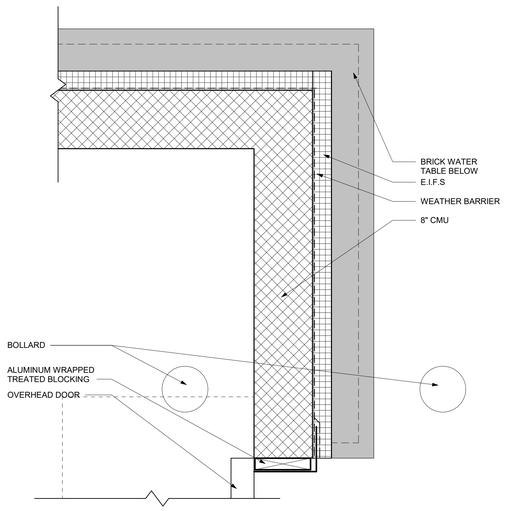
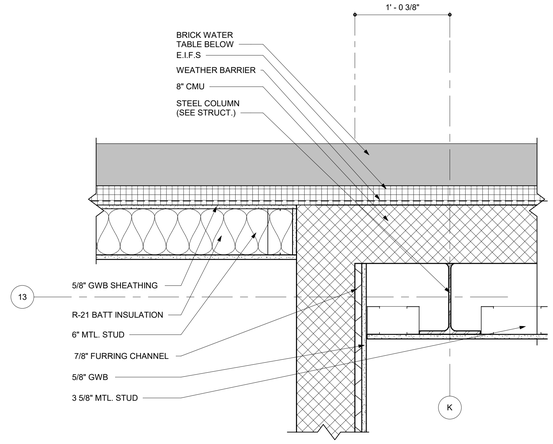


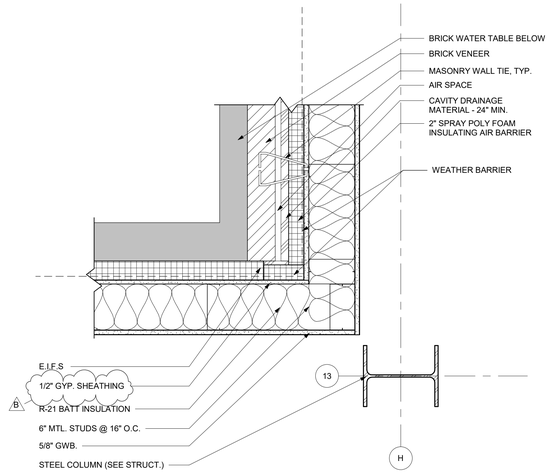
1 PLAN DETAIL AT OVERHEAD COILING DOOR

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



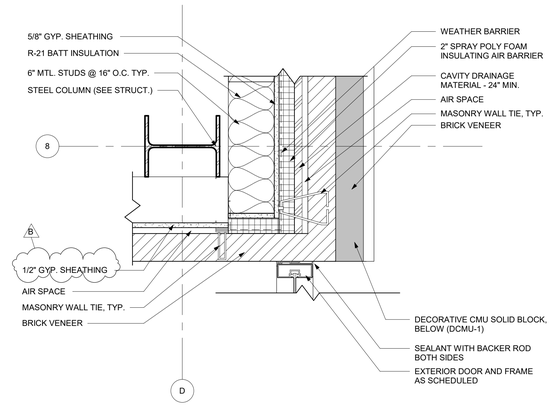
2 PLAN DETAIL AT EIFS & MTL PANEL INTERSECTION

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



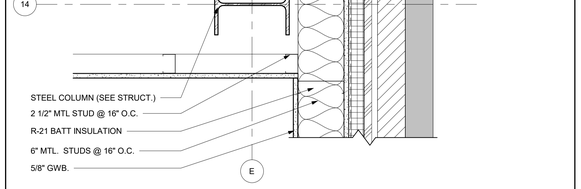
3 PLAN DETAIL AT BRICK & MTL PANEL INTERSECTION

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



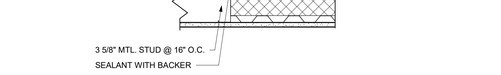
4 PLAN DETAIL AT ENTRANCE STOREFRONT

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



5 COLUMN CHASE AT EXTERIOR CORNER COMMUNITY ROOM

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

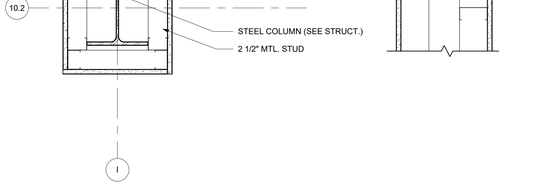


6 PLAN DETAIL AT INT. STUD & CMU WALL INTERSECTION

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

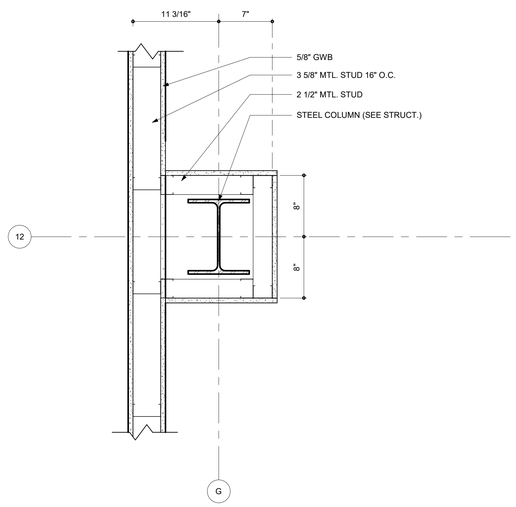
7 COLUMN CHASE AT NARCOTICS

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



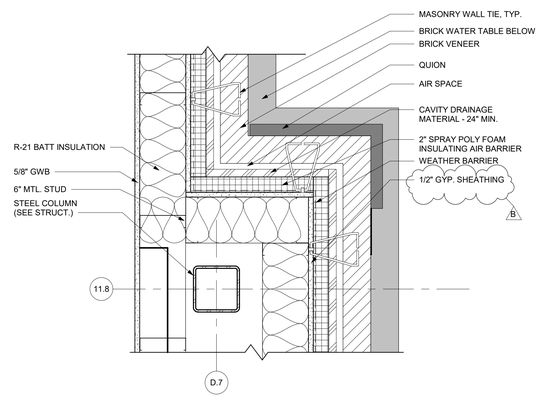
8 PLAN DETAIL AT GWB COLUMN CHASE ON CMU, TYP.

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



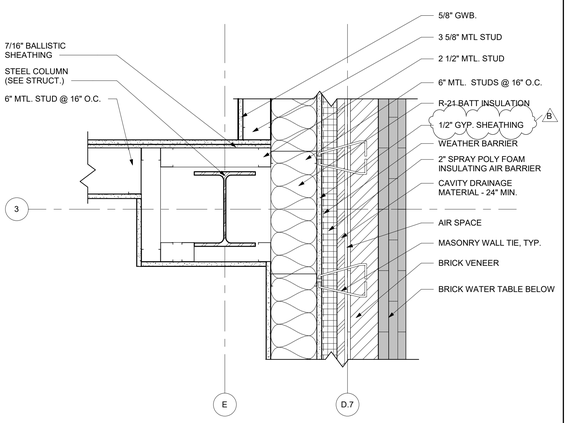
9 PLAN DETAIL AT GWB COLUMN CHASE COMMUNITY ROOM, TYP.

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



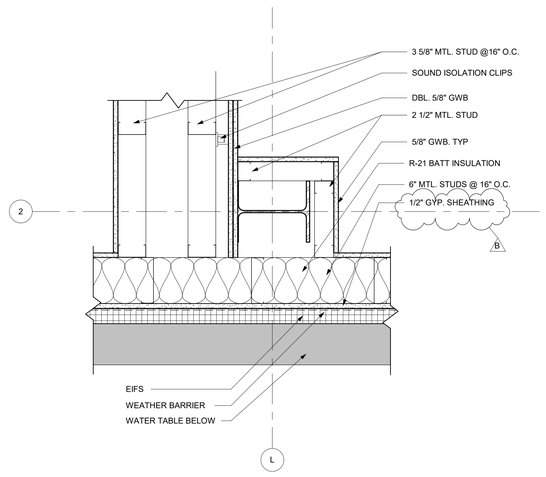
10 PLAN DETAIL AT QUION CORNER, TYP.

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



11 PLAN DETAIL @ COLUMN CHASE

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



12 PLAN DETAIL AT COLUMN CHASE AT DETECTIVES

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

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MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

PLAN DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO:	2019030
DATE:	2/18/2022
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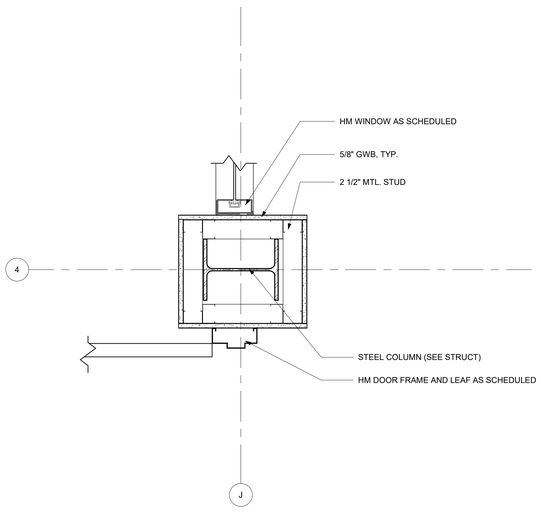
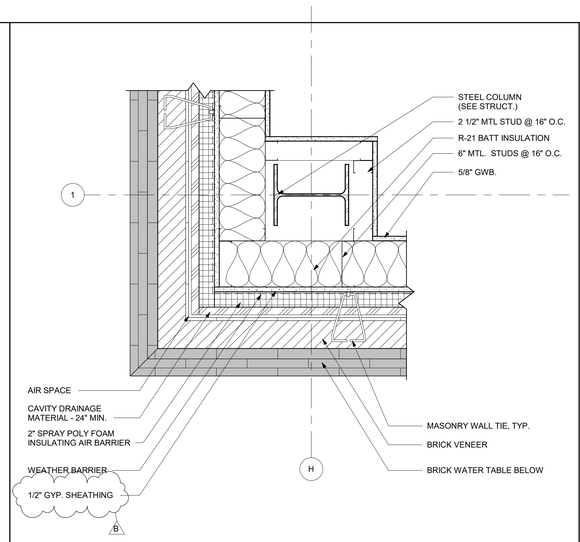


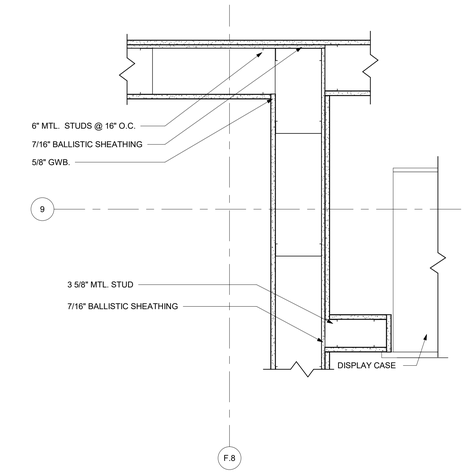
1 PLAN DETAIL AT GWB COLUMN CHASE

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



2 PLAN DETAIL AT GWB COLUMN CHASE AT EXT. BRICK ON MTL. STUD, TYP.

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



4 PLAN DETAILS AT LOBBY DISPLAY CASE

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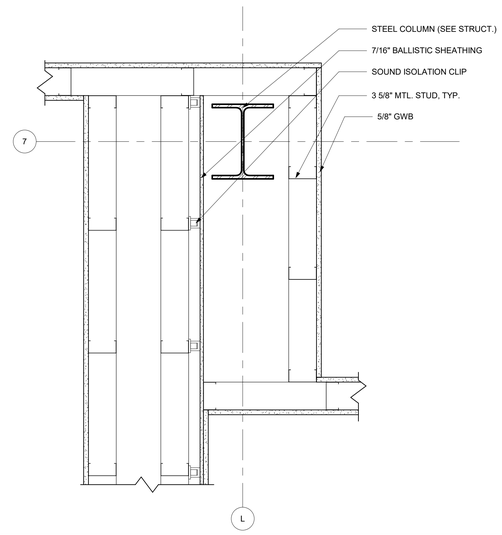
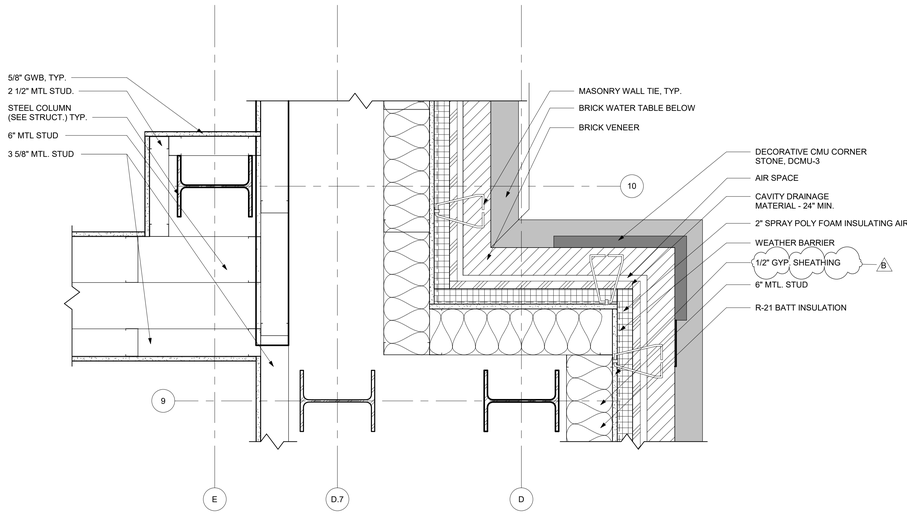


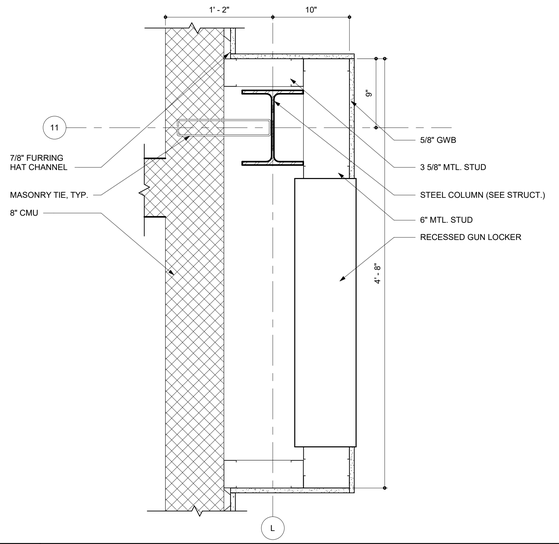
5 PLAN DETAIL AT COLUMN CHASE AT MAIL

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



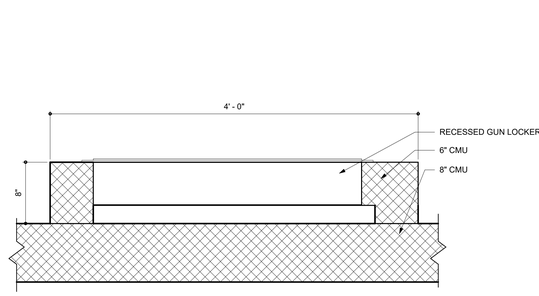
6 PLAN DETAIL AT QUION CORNER

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



7 PLAN DETAIL AT GUN LOCKER AT CORRIDOR

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



8 PLAN DETAIL AT GUNLOCKER AT SALLY PORT

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

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RICHARD Y. JOHNSON & SON, INC.
CONSTRUCTION MANAGER
18404 JOHNSON AVENUE
LINCOLN, DELAWARE 19960
302-422-3732 fax 302-422-4696

PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

THE CITY of Milford

SHEET TITLE

PLAN DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO:	2019030
DATE:	2/18/2022
SCALE:	1 1/2" = 1'-0"
DRAWN BY: JAF3	PROJ MGR: BDF

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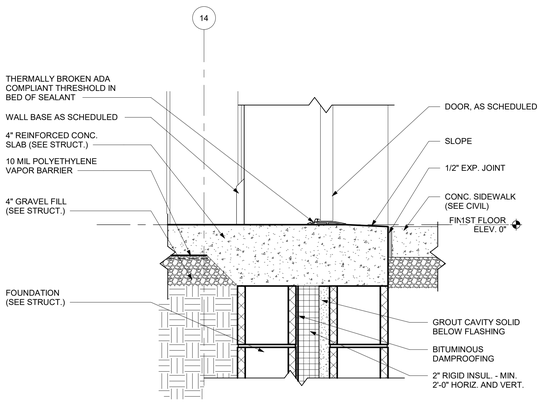
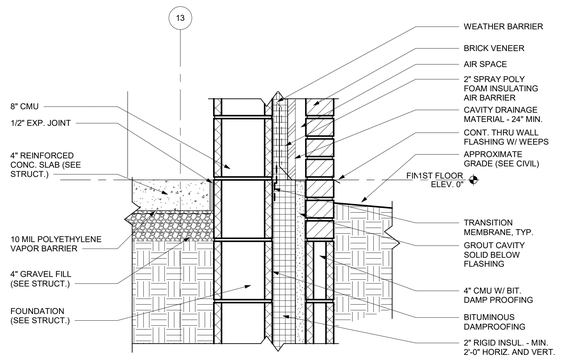


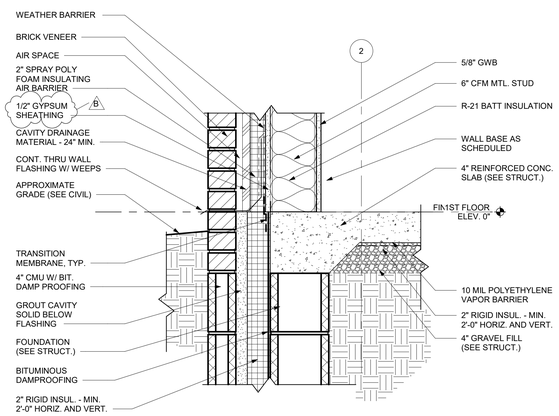
1 GRADE DETAIL @ DOOR

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



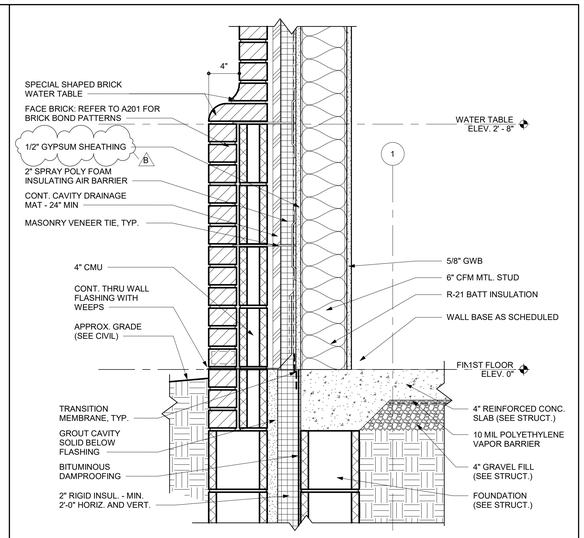
2 GRADE DETAIL @ BRICK ON CMU

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



3 GRADE DETAIL @ BRICK ON STUD

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



4 GRADE DETAIL @ BRICK WATER TABLE ON STUD

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

5 SECTION DETAIL @ E.I.F.S OVER WATER TABLE

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

6 SECTION DETAIL @ EQUIPMENT PLATFORM

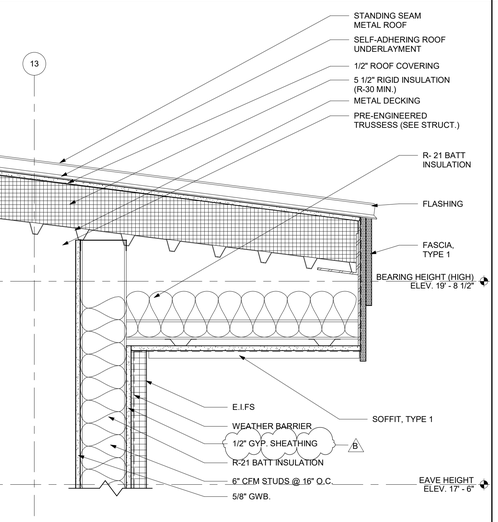
SCALE: 1 1/2" = 1'-0"

7 SECTION DETAIL @ BRICK SOLDIER COURSE

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

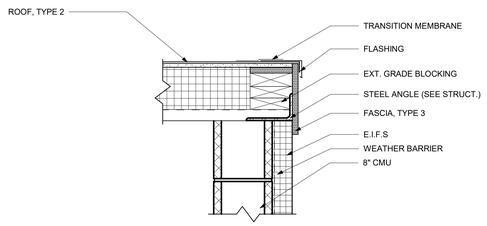
8 CORNICE DETAIL @ PLAN NORTH

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



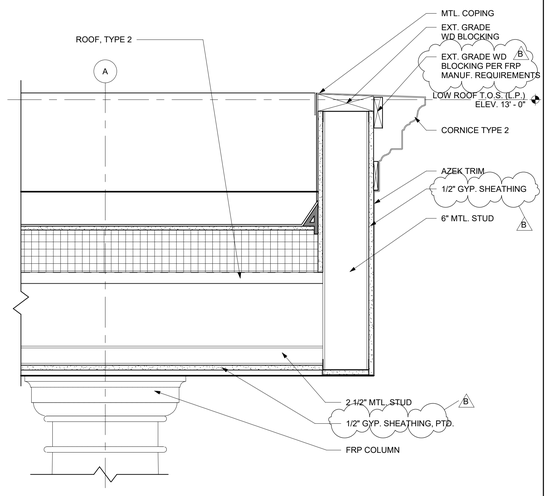
9 SOFFIT DETAIL @ EQUIPMENT PLATFORM

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



10 SECTION DETAIL @ PLAN WEST ROOF EDGE

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



11 SECTION DETAIL @ FRONT CANOPY

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

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DATE OF SIGNATURE: xx/xx/2022
DATE OF REGISTRATION EXPIRATION: xx/xx/xxxx

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PROJECT TITLE

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SECTION DETAILS

ISSUE BLOCK

Mark	Date	Description
B	03/04/22	ADDENDUM 02

PROJECT NO: 2019030
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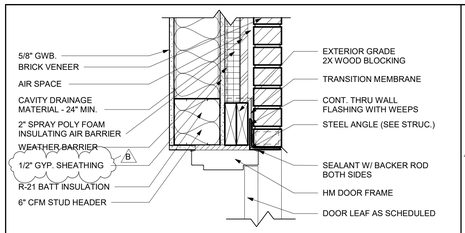
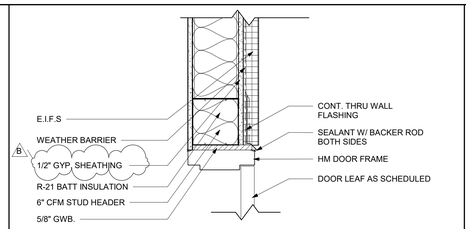


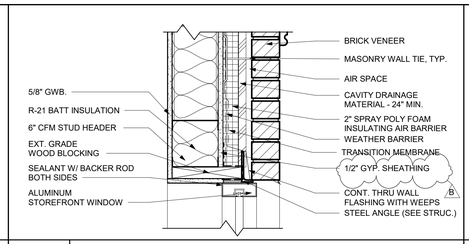
H13 HOLLOW METAL HEAD DETAIL @ BRICK

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



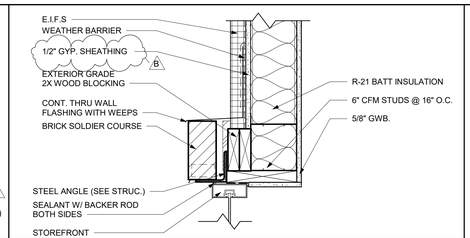
H14 HOLLOW METAL HEAD DETAIL @ E.I.F.S

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



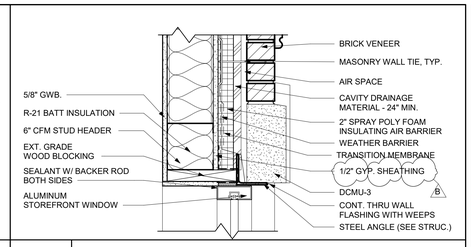
H15 STOREFRONT HEAD DETAIL @ BRICK

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



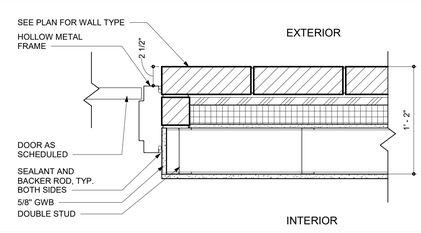
H16 STOREFRONT HEAD DETAIL @ BRICK SOLDIER COURSE

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



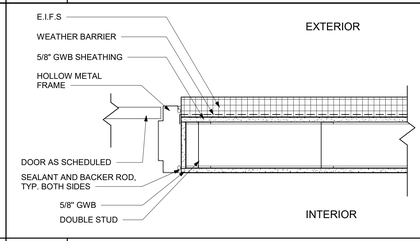
H17 STOREFRONT HEAD DETAIL @ BRICK WITH CAST STONE

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



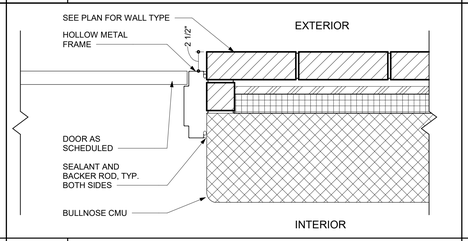
J13 HOLLOW METAL JAMB DETAIL AT BRICK ON MTL. STUD

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



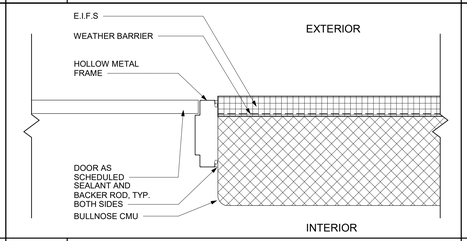
J14 HOLLOW METAL JAMB DETAIL AT E.I.F.S ON MTL. STUD

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



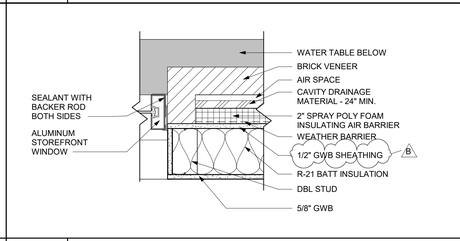
J15 HOLLOW METAL JAMB AT BRICK ON CMU

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



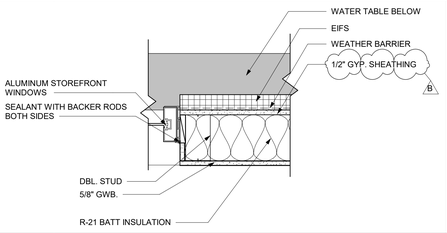
J16 HOLLOW METAL JAMB AT E.I.F.S ON CMU

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



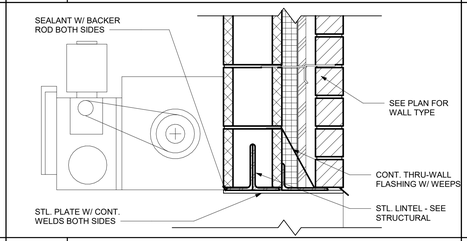
J17 EXT. STOREFRONT JAMB AT BRICK ON STUD, TYP.

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



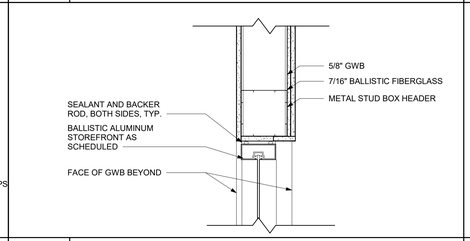
J18 EXT. STOREFRONT JAMB AT EIFS ON STUD, TYP.

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



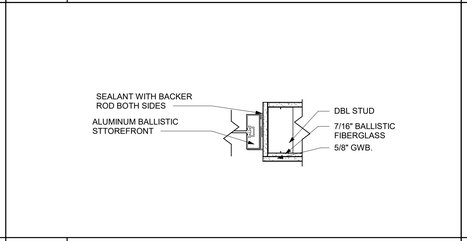
H18 COILING DOOR HEAD DETAIL

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



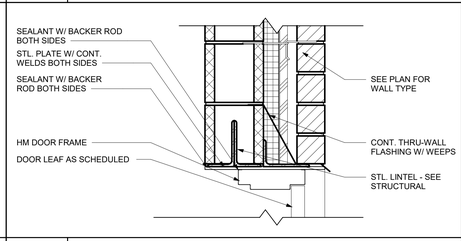
H19 SF HEAD DETAIL AT BALLISTIC INT. WALL

SCALE: 2" = 1'



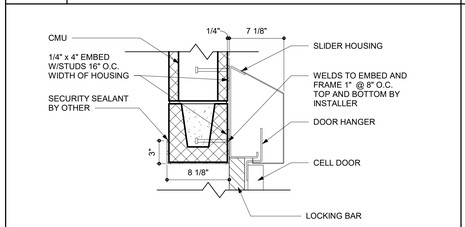
J19 BALLISTIC STORFRONT JAMB DETAIL

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



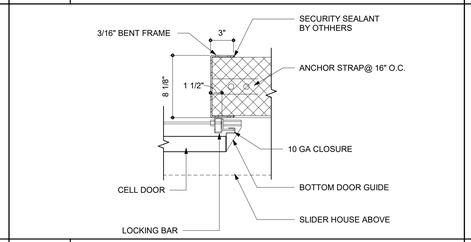
H21 HOLLOW METAL HEAD DETAIL @ E.I.F.S ON CMU

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



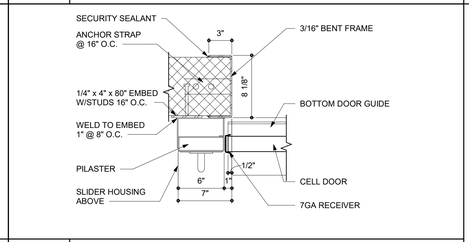
H20 HEAD DETAIL AT HOLDING CELLS

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



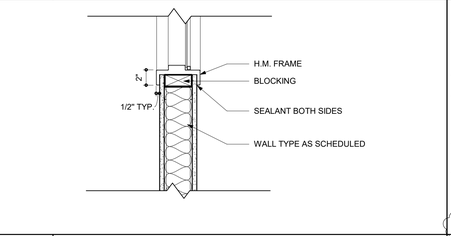
J20 JAMB DETAIL AT HOLDING CELLS

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



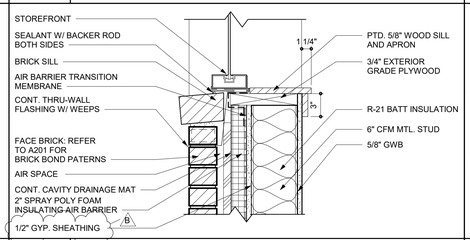
J21 JAMB DETAIL AT HOLDING CELLS - RECEIVING

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



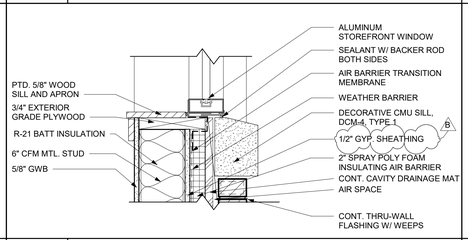
S1 HM SILL DETAIL AT INT. WALL

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



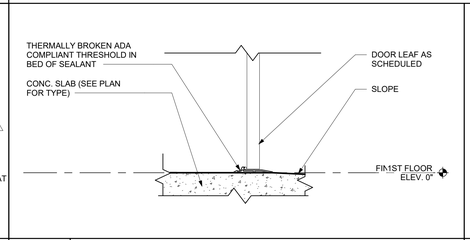
S2 STOREFRONT SILL DETAIL @ BRICK SILL

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



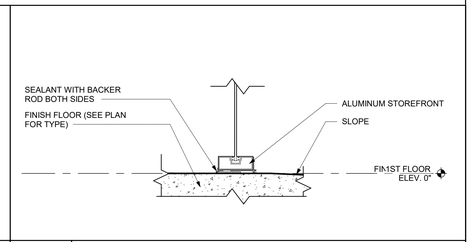
S3 SILL DETAIL @ BRICK WITH CAST STONE

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



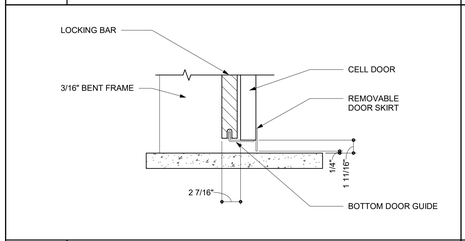
S4 SILL DETAIL @ EXT. DOOR, TYP.

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



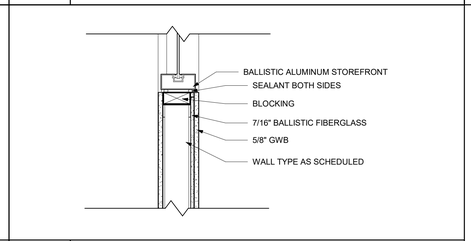
S5 SILL DETAIL @ STRUREFRONT

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



S6 SILL DETAIL AT HOLDING CELL

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



S7 STOREFRONT SILL DETAIL AT BALLISTIC INT. WALL

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

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KENT COUNTY, DE

SHEET TITLE

DOOR AND WINDOW DETAILS

ISSUE BLOCK

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B	03/04/22	ADDENDUM 02

PROJECT NO:	2019030
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