

NUWC DIVISION NEWPORT

DEER FIELD SECURE STORAGE FACILITY

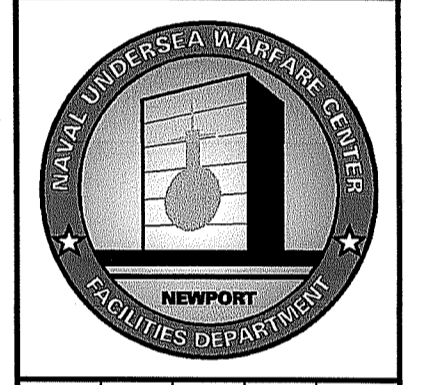
NAVAL UNDERSEA WARFARE CENTER

NEWPORT, RI FACILITIES BRANCH

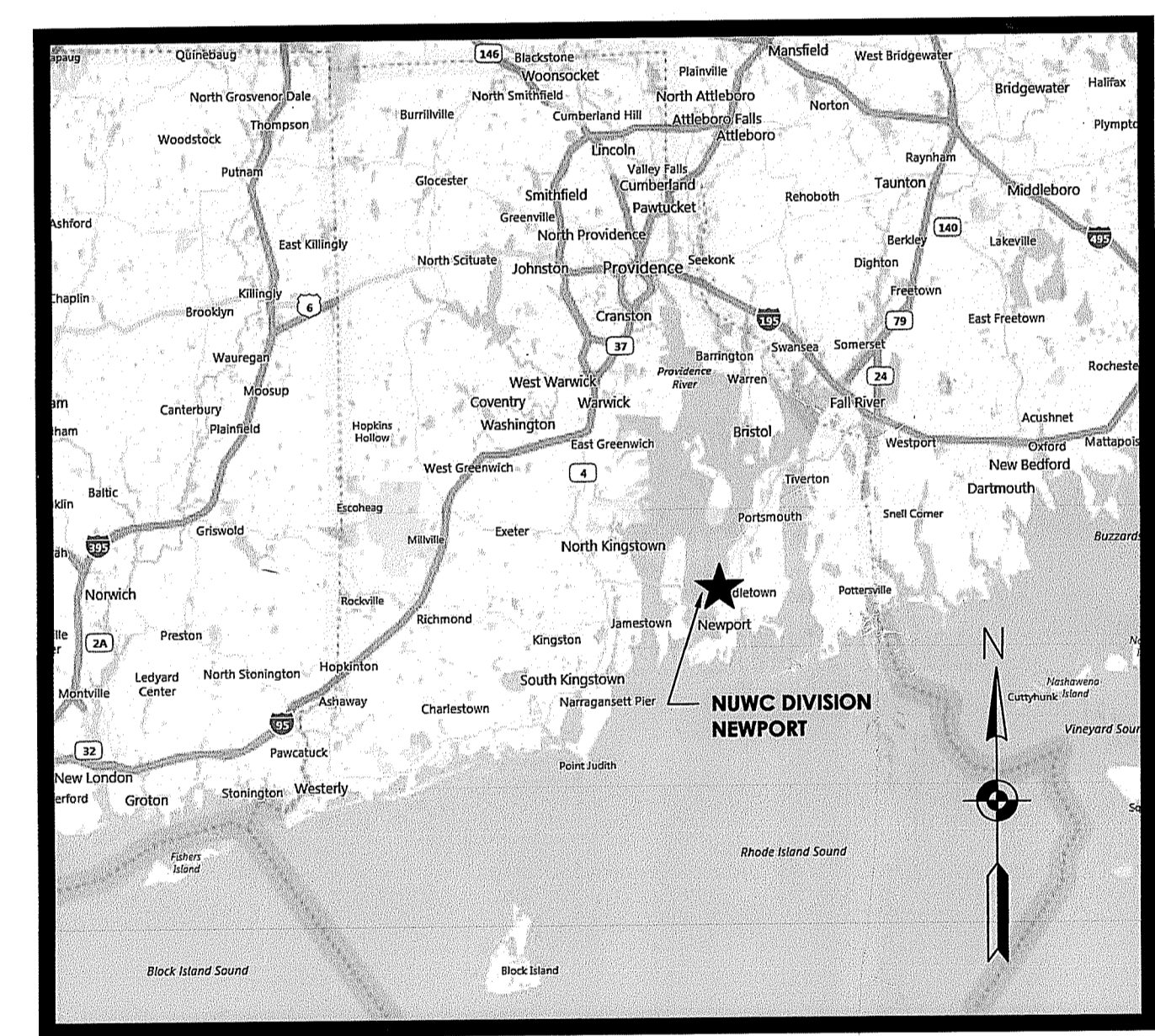
Environmental Management
NOV 20 2020
Office of Water Resources

MICHAEL A. JAMES
Michael A. James
No. 9561
7/3/20
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

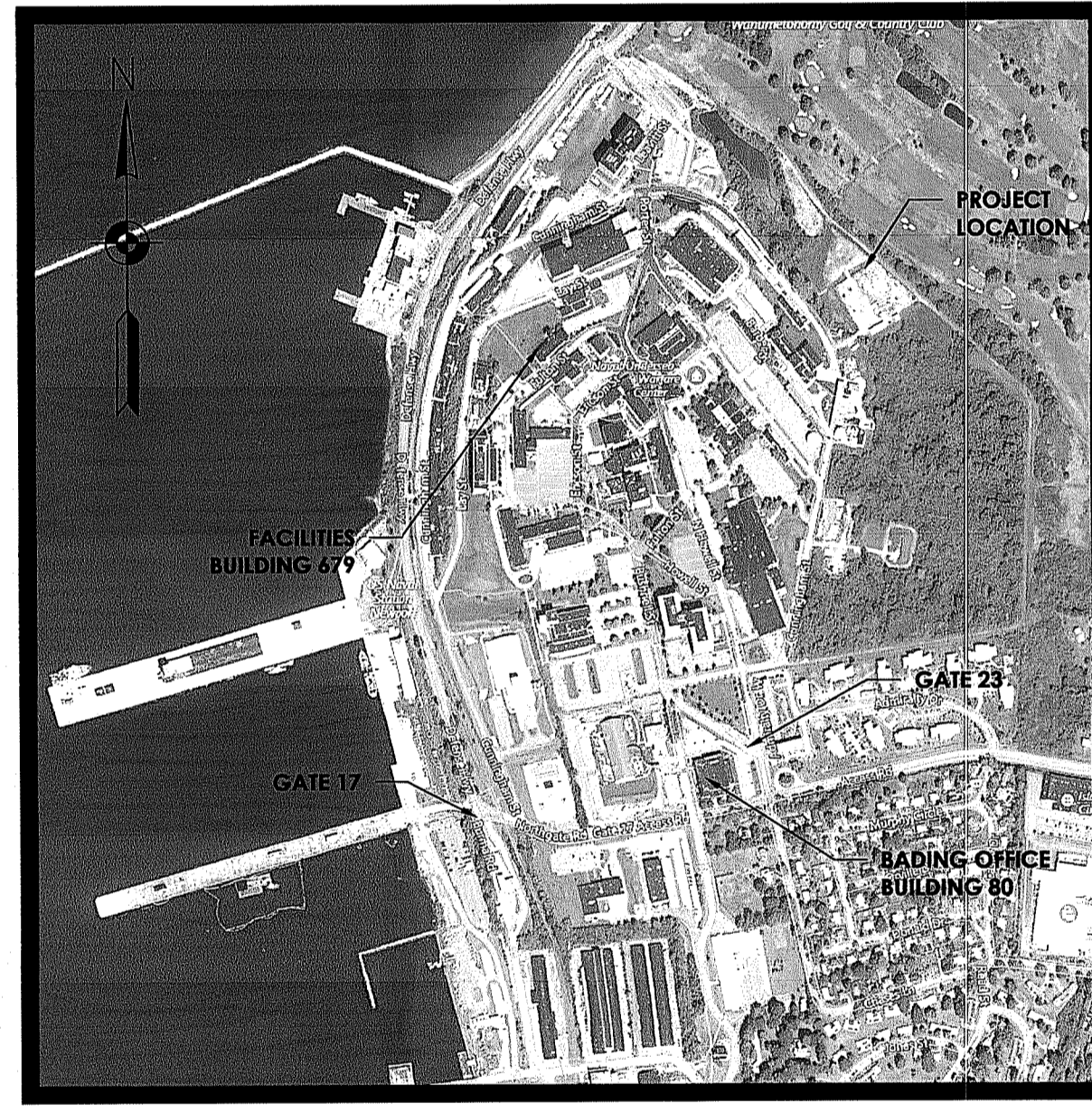
SYM	REVISIONS	DATE	APPR.
	REVISED PER COMMENTS	6/20	
	DESCRIPTION		



DATE	DATE	DATE	DATE
03/20	03/20	03/20	
DESIGNED BY M. JAMES	DESIGNED BY M. JAMES	DESIGNED BY R. NELSON	APPROVED



AREA MAP



LOCATION MAP

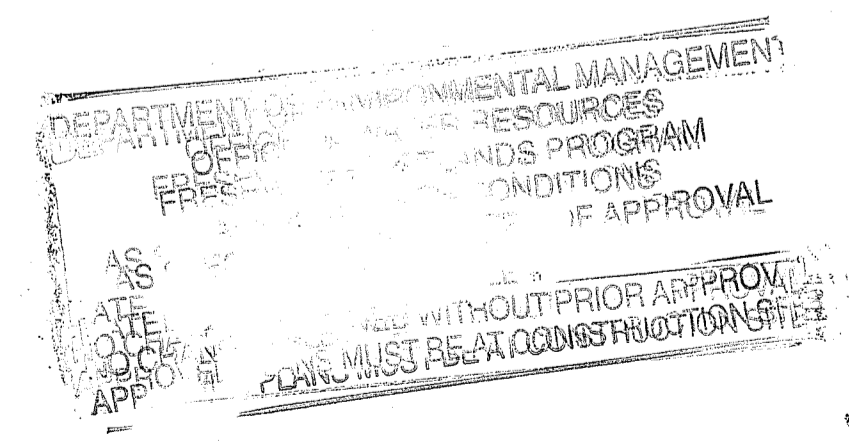
LIST OF DRAWINGS

DWG #	SHEET #	ID #	SHEET TITLE
20-013A	1 OF 11	TITLE	TITLE SHEET
20-013A	2 OF 11	C-1	SITE PLAN
20-013A	3 OF 11	C-2	SITE DETAILS
20-013A	4 OF 11	S-1	GENERAL STRUCTURAL NOTES
20-013A	5 OF 11	S-2	FOUNDATION PLANS & DETAILS
20-013A	6 OF 11	S-3	STRUCTURAL FRAMING PLANS & DETAILS
20-013A	7 OF 11	A-1	ARCHITECTURAL FLOOR PLAN & DETAILS
20-013A	8 OF 11	E-1	ELECTRICAL POWER & LIGHTING PLANS
20-013A	9 OF 11	E-2	ELECTRICAL LIGHTING DETAILS
20-013A	10 OF 11	E-3	LIGHTNING PROTECTION SYSTEM PLAN
20-013A	11 OF 11	F-1	FIRE ALARM PLAN

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
AG	ABOVE GRADE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A/R	AS REQUIRED
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
EOP	EDGE OF PAVEMENT
ESQD	EXPLOSIVES SAFETY QUANTITY DISTANCE
GRSC	GALVANIZED RIGID STEEL CONDUIT
NFS	NON-FROST SUSCEPTIBLE
OHE	OVER-HEAD ELECTRIC
XPS	EXPANDED POLYSTYRENE

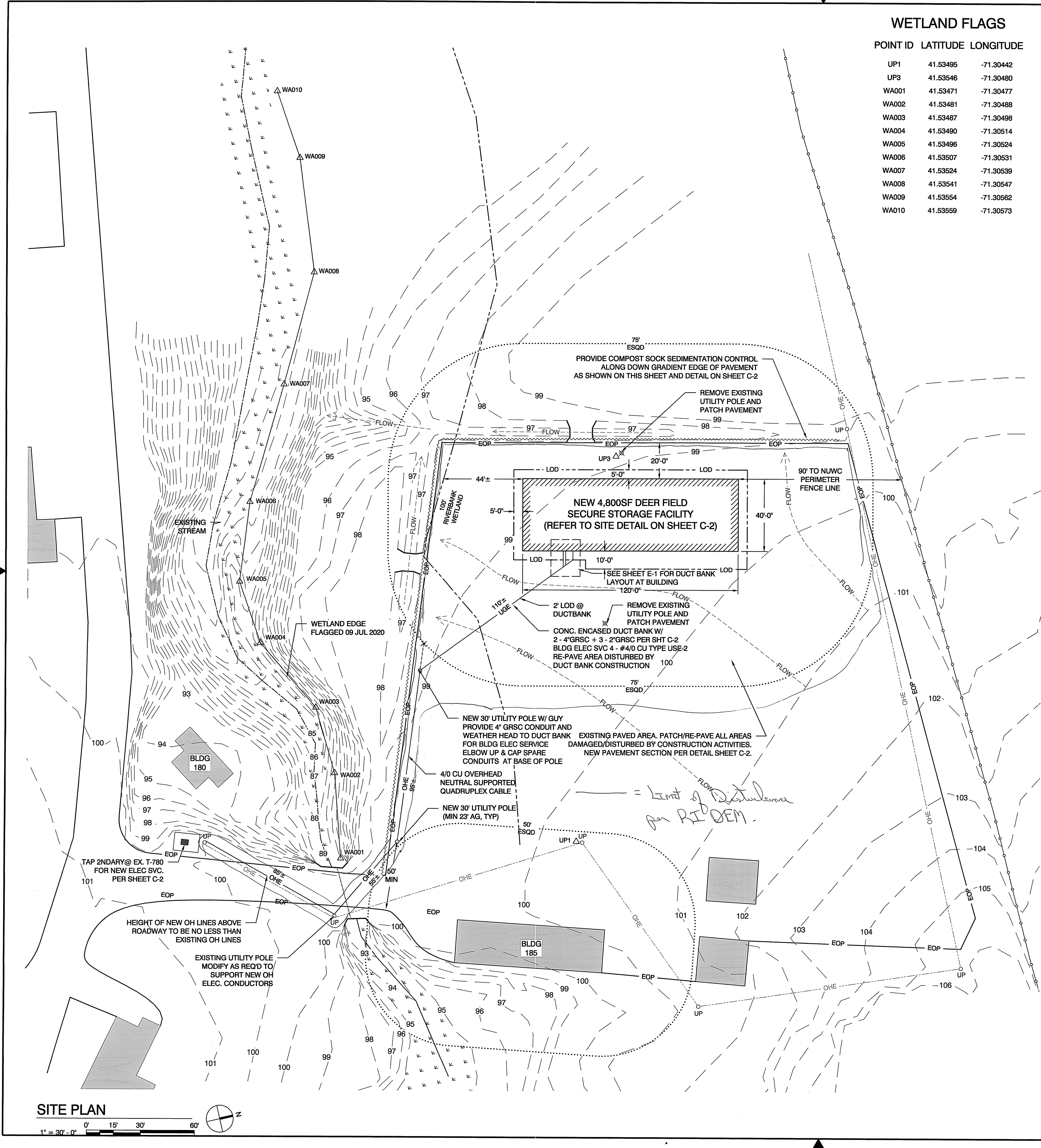
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE ORDER OF APPROVAL
DATED FEB 16, 2021 FILE # 20-0377
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

DEPARTMENT OF THE NAVY
NAVAL UNDERSEA WARFARE CENTER DIVISION
NEWPORT, RHODE ISLAND
FACILITIES BRANCH
DEER FIELD SECURE STORAGE FACILITY
NUWC DIVISION NEWPORT
TITLE SHEET

20-013A
SIZE: ANSI D
SCALE: AS NOTED
NAVFAC DRAWING NO.
CONTRACT NO.
WORK REG. NO. W2020-090-01
SHEET 1 OF 11
TITLE



WETLAND FLAGS

POINT ID	LATITUDE	LONGITUDE
UP1	41.53495	-71.30442
UP3	41.53546	-71.30480
WA001	41.53471	-71.30477
WA002	41.53481	-71.30488
WA003	41.53487	-71.30498
WA004	41.53490	-71.30514
WA005	41.53496	-71.30524
WA006	41.53507	-71.30531
WA007	41.53524	-71.30539
WA008	41.53541	-71.30547
WA009	41.53554	-71.30562
WA010	41.53559	-71.30573

GENERAL CIVIL NOTES

- ALL WORK TO BE IN ACCORDANCE WITH THE SPECIFICATION, RHODE ISLAND DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS (AS REFERENCED), RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM) AND COASTAL RESOURCES MANAGEMENT COUNCIL. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITTING PRIOR TO COMMENCEMENT. COORDINATE WITH CONTRACTING OFFICER AND NAVSTA NEWPORT ENVIRONMENTAL DEPARTMENT (401) 841-7671.
- THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE LOCATION AND EXTENT OF EXISTING UTILITY FACILITIES ARE SHOWN BASED UPON INFORMATION AVAILABLE AT THE TIME OF DESIGN. THE GOVERNMENT DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF INFORMATION PROVIDED BY THESE DRAWINGS. CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR (GPR) SURVEY TO VERIFY ALL LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES WHICH MAY EXIST OR CROSS THROUGH THE PROJECT LIMITS.
- STATE LAW REQUIRES ALL EXCAVATORS TO PREMARK THE AREA OF EXCAVATION BEFORE NOTIFYING DIGSAFE. PREMARKING IS DEFINED AS MARKING OUT THE SCOPE OF THE PROPOSED EXCAVATION AREA USING WHITE STAKES, PAINT, OR FLAGS. ONCE THE SITE IS PREMARKED, STATE LAW REQUIRES CONTRACTOR TO CONTACT DIGSAFE, 1-888-DIG-SAFE (1-888-344-7233), A MINIMUM 72 HOURS BEFORE EXCAVATION. CONTRACTOR MUST ALSO CONTACT NAVAL STATION NEWPORT'S UTILITY DEPARTMENT A MINIMUM OF 96 HOURS PRIOR TO EXCAVATION. UTILITY MARKINGS MUST BE MAINTAINED THROUGH THE LIFE OF THE PROJECT.
- AT CONTRACTOR'S EXPENSE, REPAIR ANY DAMAGE TO UTILITIES CAUSED AS A RESULT OF CONSTRUCTION ACTIVITY.
- VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCY OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.
- MAINTAIN ACCESS TO VALVES AND HYDRANTS FOR OWNER AND EMERGENCY SERVICE PERSONNEL.
- AT CONTRACTOR'S EXPENSE, REPLACE ANY VALVE BOX, RISER OR LID LOST OR DAMAGED DURING CONSTRUCTION.
- SUBGRADE MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES. FILL AND BACKFILL MUST BE COMPACTED TO 95% OF THE MINIMUM DRY DENSITY (MODIFIED PROCTOR).
- KEEP AND MAINTAIN THE PROJECT AREA IN A CLEAN CONDITION, FREE OF DEBRIS AND TRASH.
- ENSURE THAT TRUCKS LEAVING THE SITE ARE CLEANED SUFFICIENTLY SO AS TO NOT CREATE A ROADWAY NUISANCE OR HAZARD. PROVIDE STREET SWEEPING ON AN AS NEEDED BASIS AS DETERMINED BY THE CONTRACTING OFFICER.
- COORDINATE WITH CONTRACTING OFFICER FOR SELECTION OF LAYDOWN SITE LOCATION(S).

Environmental Management
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Office of Water Resources

SOIL MANAGEMENT NOTES (ARSENIC)

- ALL DISTURBED AREAS NOT SHOWN TO BE PAVED OR WITHIN LIMITS OF BUILDING STRUCTURE, MUST BE EXCAVATED TO 12 INCHES BELOW FINISHED GRADE, COVERED WITH GEOTEXTILE AND TOPPED WITH 12 INCHES OF CERTIFIED CLEAN SOIL MATERIAL. AT A MINIMUM, THE TOP 4 INCHES SHALL CONSIST OF TOPSOIL OR PLANTING MIX IN AREAS TO BE VEGETATED. FINE GRADE, FERTILIZE AND SOD ALL DISTURBED AREAS, UNLESS OTHERWISE DIRECTED BY THE CONTRACTING OFFICER OR AS NOTED ELSEWHERE ON THESE PLANS.
- EXISTING SITE SOILS ARE KNOWN TO CONTAIN ARSENIC ABOVE THE REQUIRED STATE ACTION LEVEL. ADHERE TO NAVAL STATION NEWPORT SOIL MANAGEMENT PLAN AND RIDEM OFFICE OF WASTE MANAGEMENT REQUIREMENTS FOR SAFETY TRAINING, HANDLING, TESTING AND DISPOSAL OF ARSENIC LADEN MATERIAL. IMPLEMENT DUST CONTROL MEASURES TO LESSEN TRANSPORT OF ARSENIC LADEN AIRBORNE PARTICLES.

SITE CONTAMINATION NOTICE

- NAVAL STATION NEWPORT (FORMERLY NAVAL EDUCATION & TRAINING CENTER) IS A NATIONAL PRIORITIES LIST (NPL) SITE FOR VARIOUS AREAS OF CONTAMINATION (ASOC). THESE ASOC ARE BEING STUDIED AND CLEANED UP UNDER THE NAVY'S INSTALLATION RESTORATION PROGRAM IN ACCORDANCE WITH THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITIES ACT (CERCLA). PROJECT IS LOCATED WITHIN SUCH AN ASOC. PERSONNEL THAT DISTURB OR CONTACT SOILS IN ASOC MUST COMPLETE 40 HOURS OF TRAINING AND BE HAZWOPER CERTIFIED IN ACCORDANCE WITH OSHA'S 29 CFR 1910.120 HAZARDOUS WASTE OPERATIONS AND EMERGENCY (HAZWOPER) REGULATIONS.
- ELEVATED LEVELS OF POLYAROMATIC HYDROCARBONS (PAH) AND ARSENIC HAVE BEEN IDENTIFIED IN THE EXISTING SOILS ON SITE THAT WILL BE DISTURBED BY THIS PROJECT. REFER TO APPENDIX A OF THE SPECIFICATION FOR IDENTIFIED CONTAMINANTS AND THEIR CONCENTRATIONS. ADDITIONAL SOIL TESTING FOR CONTAMINANTS AND AN OFFSITE SITE RULE FORM MUST BE SUBMITTED TO THE USEPA FOR APPROVAL TO SOILS FROM THE PROJECT SITE FOR OFFSITE DISPOSAL. REFER TO SPECIFICATION FOR DETAILED REQUIREMENTS.
- ASBESTOS CONTAINING MATERIALS (ACM), MAY BE PRESENT IN THE SOIL IN THE AREA OF FOUNDATION EXCAVATION. SUBMIT A PRE-CONSTRUCTION ASBESTOS MANAGEMENT PLAN FOR SAMPLING AND IDENTIFYING ACM IN SOIL. NOTIFY THE CONTRACTING OFFICER IF SUSPECT ACM IS ENCOUNTERED DURING EXCAVATION.
- NOTIFY RIDEM AND EPA VIA THE CONTRACTING OFFICER IN THE EVENT THAT UNEXPECTED HAZARDOUS MATERIALS ARE FOUND DURING EXCAVATION OR IF THERE ARE ANY SPILLS OF EXCAVATED HAZARDOUS MATERIALS. RIDEM AND EPA MAY WISH TO WITNESS CLEAN-UP AND SAMPLING OF THESE MATERIALS.
- ADDITIONAL SAMPLING OF UNIDENTIFIED MATERIALS MAY BE REQUIRED TO DETERMINE THE PRESENCE OF ANY NEW CONTAMINANTS OF CONCERN NOT IDENTIFIED BY PREVIOUS SAMPLING.

EROSION/SEDIMENTATION CONTROL NOTES

- THE LIMITS OF ALL CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE ESTABLISHED LIMITS OF DISTURBANCE (LOD) SHOWN ON SITE PLAN. IN NO CASE SHALL THE AREA OF EXISTING ASPHALT PAVEMENT DISTURBED EXCEED 10,000SF. ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED, PROVIDE SOIL SEDIMENTATION AND EROSION CONTROL TO PREVENT SEDIMENT CARRY OVER BEYOND THE LIMITS OF DISTURBANCE.
- IMPLEMENT SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITIES IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN, THESE DRAWINGS, AND RIDEM STANDARDS. CONTROLS ARE TO REMAIN IN PLACE UNTIL THE UP-GRADE DISTURBED AREA IS STABILIZED AND APPROVAL HAS BEEN GRANTED BY THE CONTRACTING OFFICER. REMOVE ALL TEMPORARY SESC MEASURES UPON COMPLETION OF THE PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EFFECTIVE SESC MEASURES. INSPECT ALL SEDIMENT AND EROSION CONTROLS WITHIN 24 HOURS AFTER EVERY RAINFALL THAT PRODUCES RUNOFF. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY AND ALL BREACHES IN SEDIMENT CONTROLS.
- COMPOST FILTER SOCKS SHALL BE UTILIZED FOR ALL DOWN GRADIENT SOIL EROSION AND SEDIMENTATION CONTROL PURPOSES UNLESS OTHERWISE NOT FEASIBLE. FOR SIDE GRADIENT APPLICATIONS SILT FENCE OR FILTER SOCKS MAY BE UTILIZED AT THE CONTRACTOR'S OPTION.
- COMPOST FILTER SOCK MATERIALS AND COMPOST MATERIAL SHALL BE IN ACCORDANCE WITH AASHTO DESIGNATION: MP 9-06 (2007 OR LATEST REVISION). COMPOST MATERIAL SHALL ALSO MEET ALL APPLICABLE FEDERAL AND STATE REGULATIONS.
- FOR COMPOST FILTER SOCKS 18 INCHES OR LESS IN DIAMETER, WOODEN STAKES SHALL BE 1 INCH BY 1 INCH, INSTALLED AT 10-FOOT INTERVALS, AND LENGTH AS REQUIRED TO PROJECT INTO SOIL 1 FOOT LEAVING 3-4 INCHES PROTRUDING ABOVE THE FILTER SOCK.
- FOR COMPOST FILTER SOCKS GREATER THAN 18 INCHES IN DIAMETER, WOODEN STAKES SHALL BE 2 INCH BY 2 INCH, INSTALLED AT 10-FOOT INTERVALS, AND LENGTH AS REQUIRED TO PROJECT INTO SOIL 1 FOOT LEAVING 3-4 INCHES PROTRUDING ABOVE THE FILTER SOCK.
- CUT DOWN AND REMOVE HEAVY VEGETATION AND RE-GRADE UNEVEN SURFACES TO ENSURE FILTER SOCK UNIFORMLY CONTACTS GROUND SURFACE UPON INSTALLATION.
- TEMPORARY VEGETATION AND/OR STRAW MULCHING SHALL BE USED TO PROTECT BARE AREAS AND STOCKPILES FROM EROSION DURING CONSTRUCTION. BARE EARTH SLOPES AND SOIL STOCKPILES SHALL BE KEPT TO A MINIMUM AT ALL TIMES. TEMPORARY SEEDING OR MULCHING SHALL BE INSTALLED ON ALL BARE EARTH PRIOR TO ENDING CONSTRUCTION FOR THE WINTER AND AS OTHERWISE REQUIRED.
- AS SOON AS WEATHER PERMITS AFTER THE COMPLETION OF FINE GRADING, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH PLACEMENT OF LOAM AND HYDRO-SEEDING WITH A SUITABLE MIXTURE OF MULCH AND TACKIFIER TO PREVENT EROSION UNTIL GRASS IS ESTABLISHED.

LOW IMPACT DEVELOPMENT DESIGN BASIS

- ENTIRETY OF NEW STRUCTURE IS WITHIN AN EXISTING PAVED AREA, THERE IS NO PROPOSED INCREASE IN IMPERVIOUS AREA. PROJECT DISTURBANCE IS LESS THAN 10,000SF.
- PROJECT IS CONTAINED WITHIN AN ENVIRONMENTAL REMEDIATION SITE. PROJECT AREA IS PAVED (CAPPED) AND GRADED TO PREVENT RAINWATER INFILTRATION DUE TO CONTAMINATION OF EXISTING SITE SOILS. ON-SITE INFILTRATION OF STORM WATER IS NOT APPROPRIATE ON THIS SITE.
- EXISTING SITE STORM WATER CONVEYANCES CONSIST OF GRASSED DRY SWALES ON SOUTH AND WEST SIDES OF PAVED AREA DISCHARGING TO THE CREEK. THESE SWALES WERE DESIGNED TO CAPTURE AND CONVEY THE RUN-OFF FROM THE EXISTING PAVED AREA AS PART OF THE PRIOR REMEDIATION PROJECT. AS NO INCREASE IN RUN-OFF VOLUME IS PROPOSED, THESE EXISTING DRY SWALES WILL BE UTILIZED WITH NEW BUILDING.

ENVIRONMENTAL PERMITTING NOTES:

- CONTRACTOR CANNOT BEGIN WORK ON SITE UNTIL WETLAND PRELIMINARY DETERMINATION AND FEDERAL CONSISTENCY DETERMINATION ARE APPROVED BY RIDEM AND RICMRC RESPECTIVELY. THE GOVERNMENT IS IN THE PROCESS OF OBTAINING THESE PERMITS, HOWEVER PERMIT APPROVAL MAY NOT OCCUR PRIOR TO CONTRACT AWARD.

MICHAEL A. JAMES
Professional Engineer
CIVIL
No. 9561
9/3/20

SYMBOL	DESCRIPTION	DATE	APPROVED
	WETLAND DELINEATION & PERMITTING	7/20	6/20
	REVISIONS		



DATE	BY	DATE	BY
03/20	M. JAMES	03/20	M. JAMES
03/20	R. NELSON	03/20	R. NELSON

NAVAL UNDERSEA WARFARE CENTER DIVISION
FACILITIES BRANCH
DEER FIELD SECURE STORAGE FACILITY
NUWC DIVISION NEWPORT
SITE PLAN

20-013A
SIZE: ANSI D
SCALE: AS NOTED
NAVFC DRAWING NO.
CONTRACT NO.
WORK REG. NO. W2020-090-01
SHEET 2 OF 11
C-1

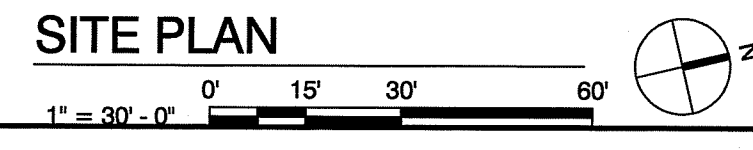
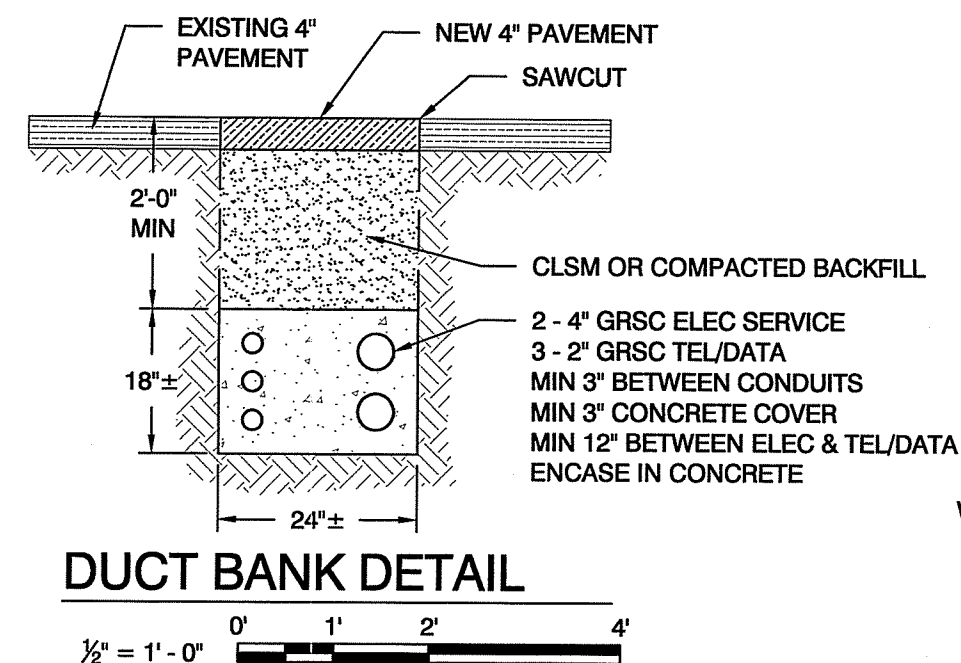


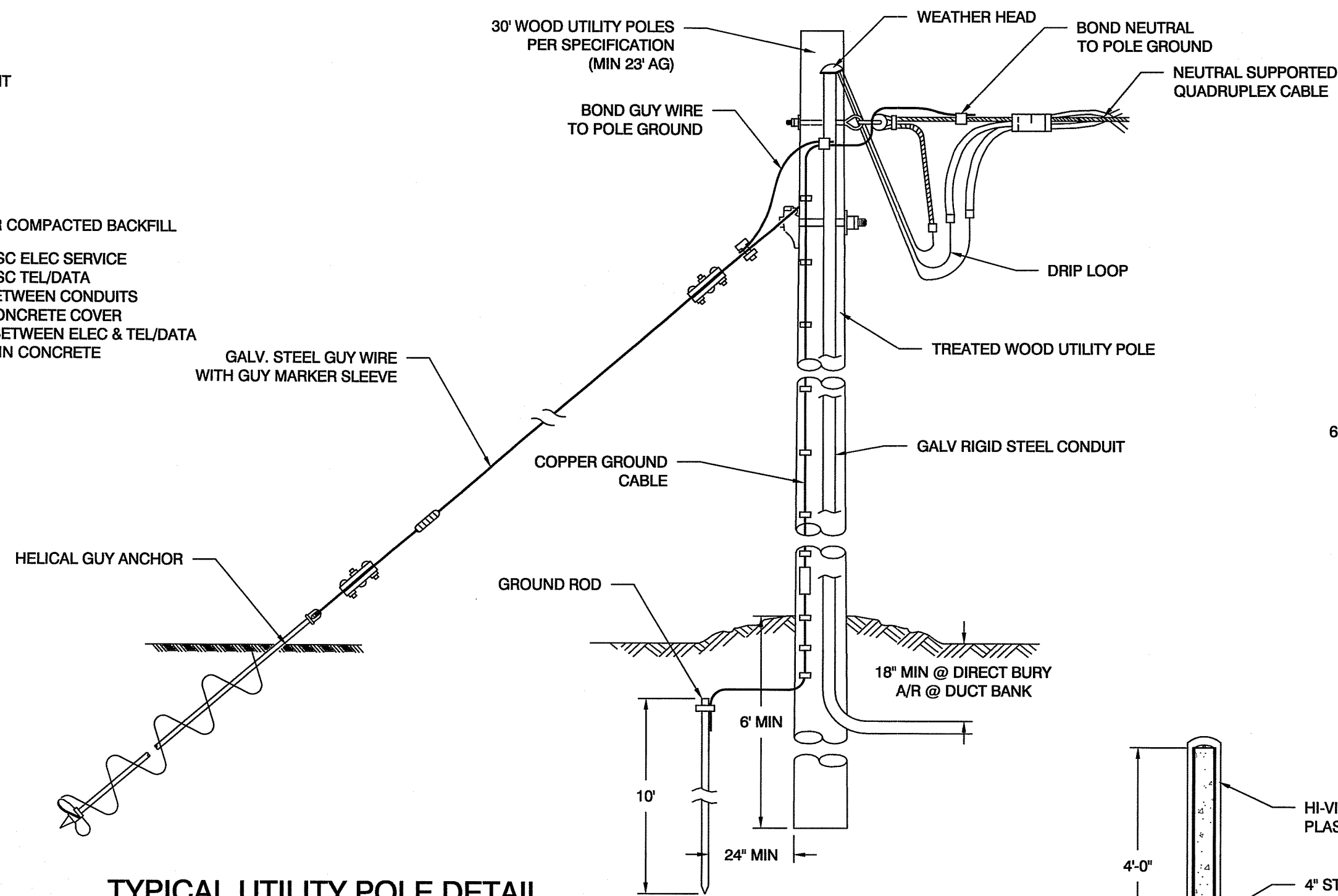


PHOTO AT EX. XFMR T-780



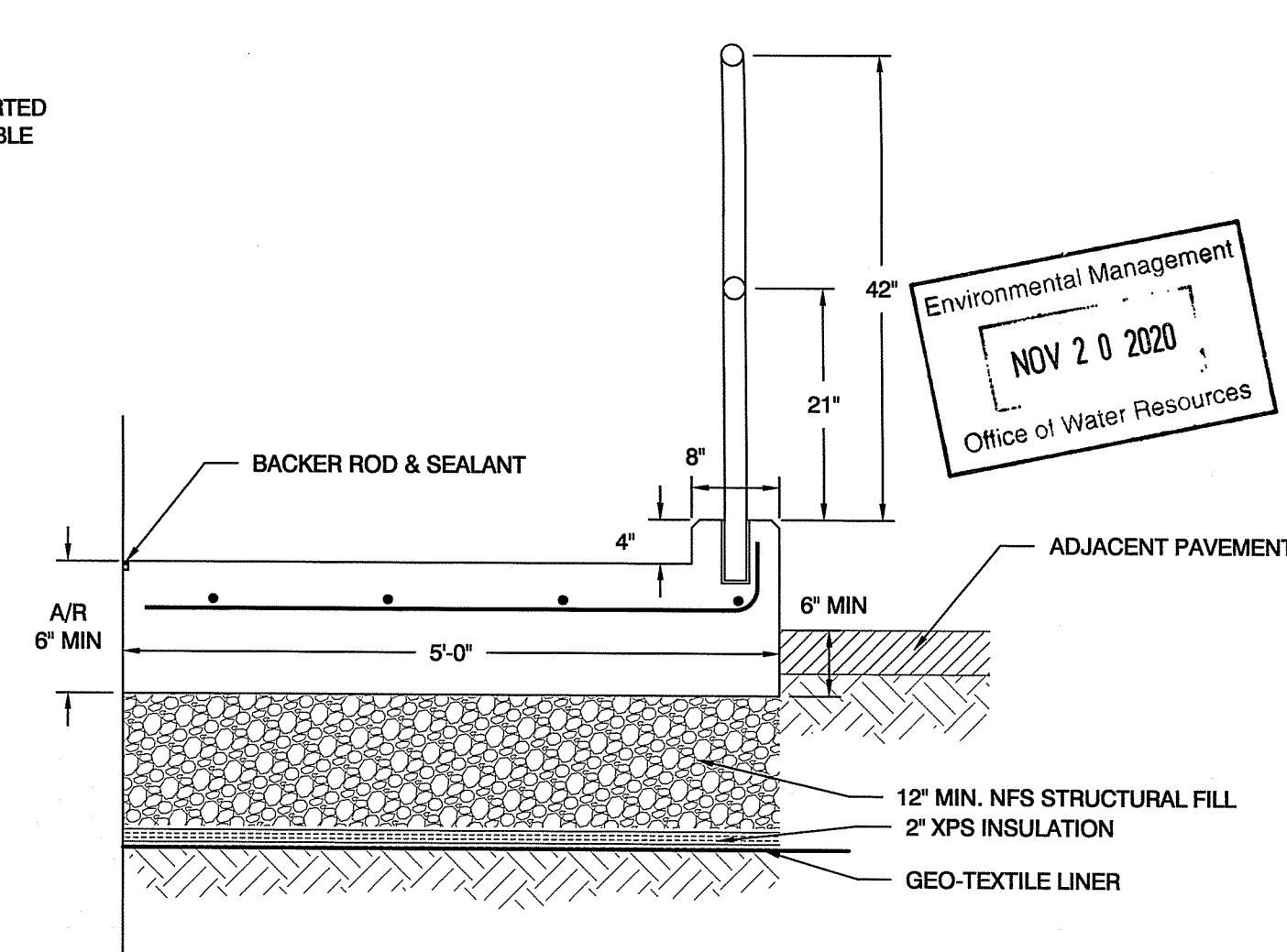
DUCT BANK DETAIL

1/2" = 1' - 0"



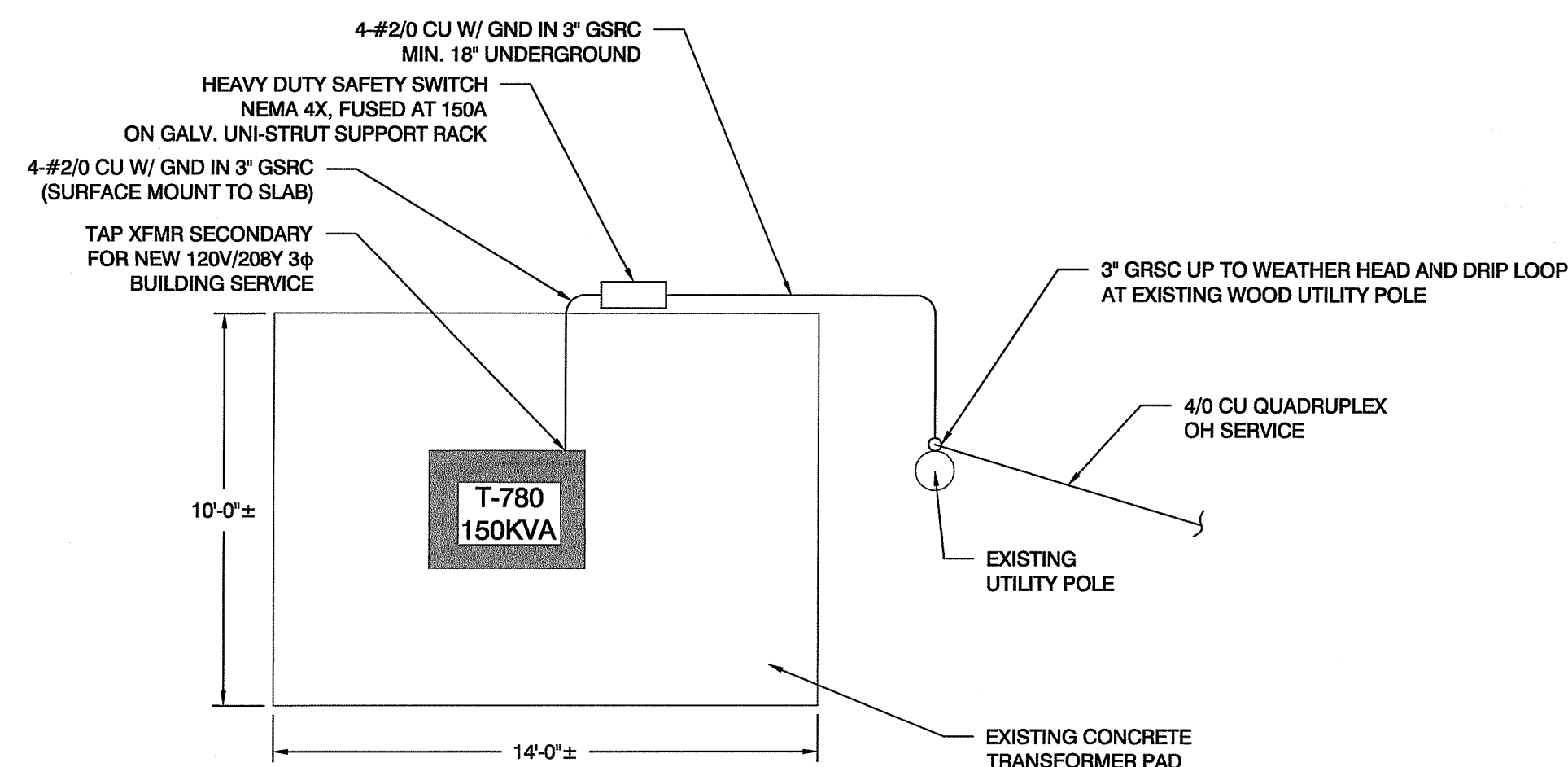
TYPICAL UTILITY POLE DETAIL

NO SCALE



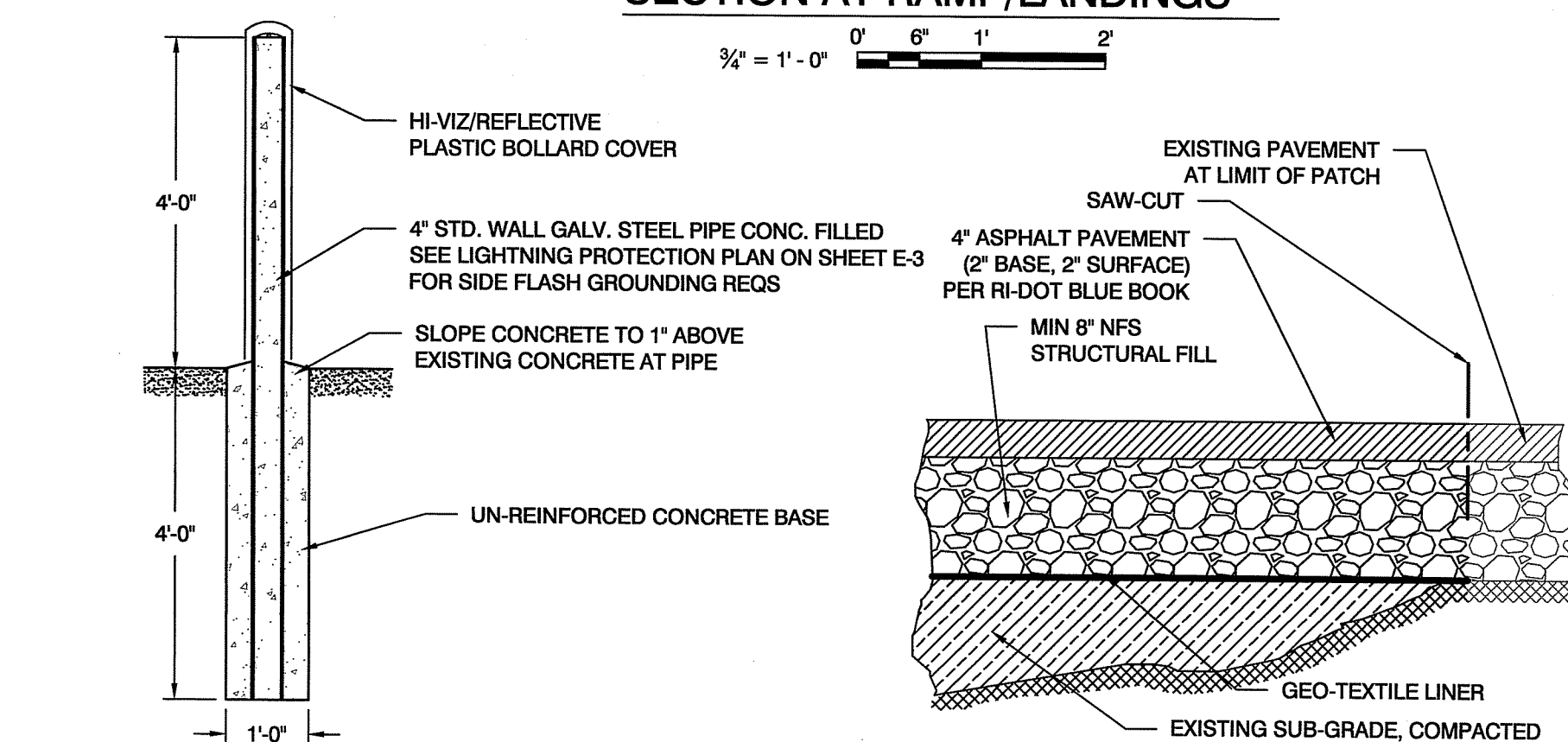
SECTION AT RAMP/LANDINGS

3/4" = 1' - 0"



DETAIL AT XFMR CONNECTION

1/4" = 1' - 0"

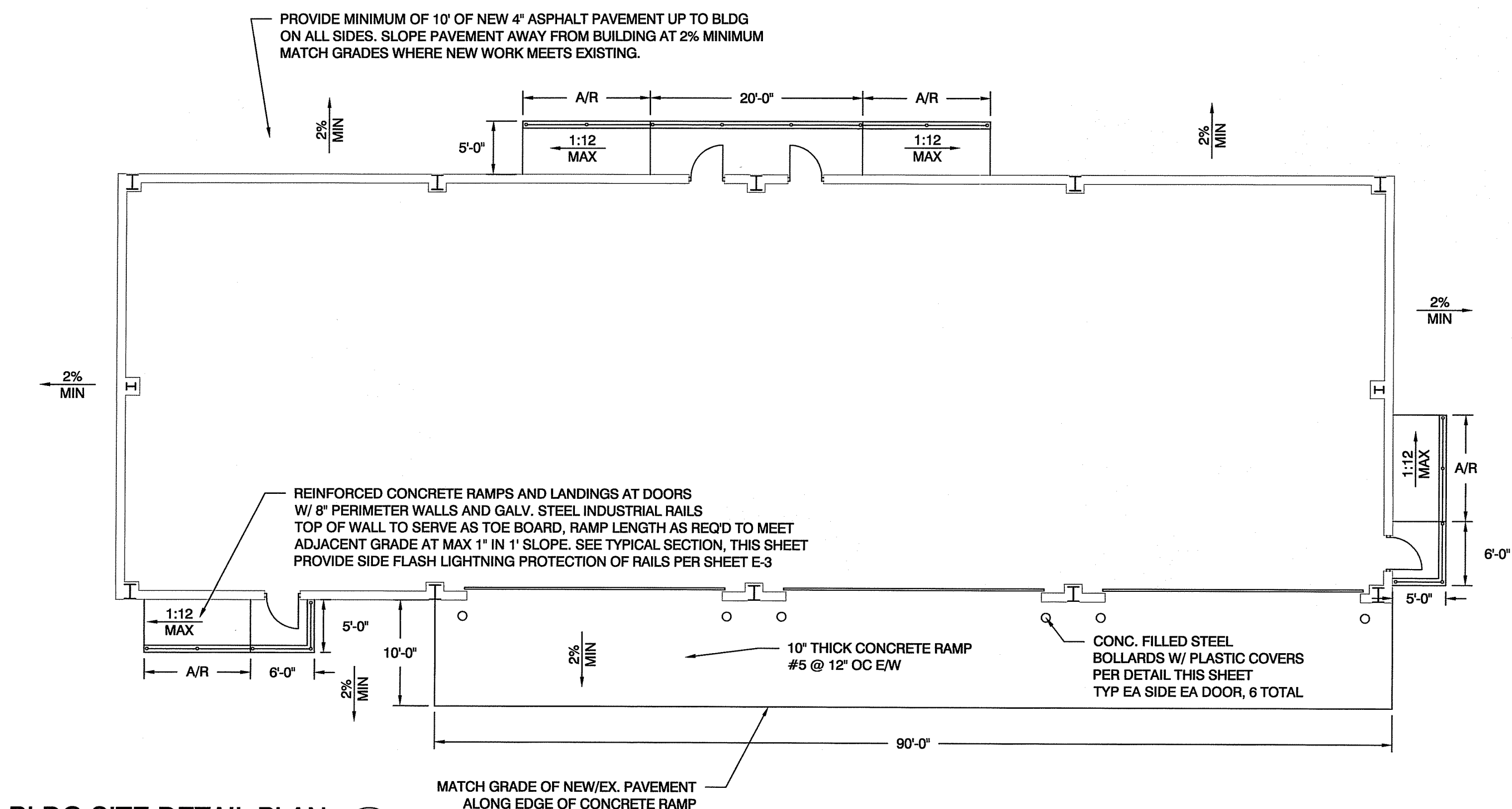


BOLLARD DETAIL

1" = 1' - 0"

PAVEMENT PATCH

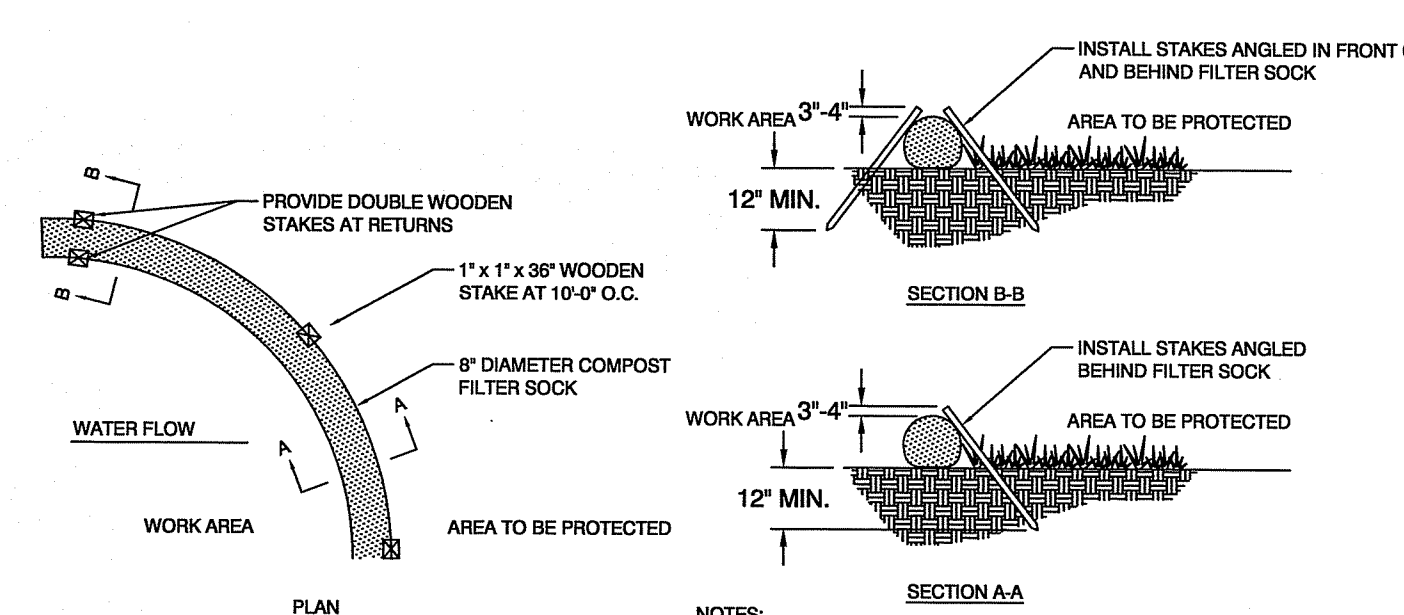
NO SCALE



BLDG SITE DETAIL PLAN

1" = 20' - 0"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED BY LETTER OF APPROVAL DATED FEB 10 2021 FILE # 20-0234
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



COMPOST SOCK INSTALLATION DETAILS

NO SCALE

MICHAEL A. JAMES
REGISTERED PROFESSIONAL ENGINEER CIVIL
9561
1/2/20

Environmental Management
Office of Water Resources
NOV 20 2020

REVISED PER COMMENTS	DATE	APPR.
	6/20	

REVISIONS

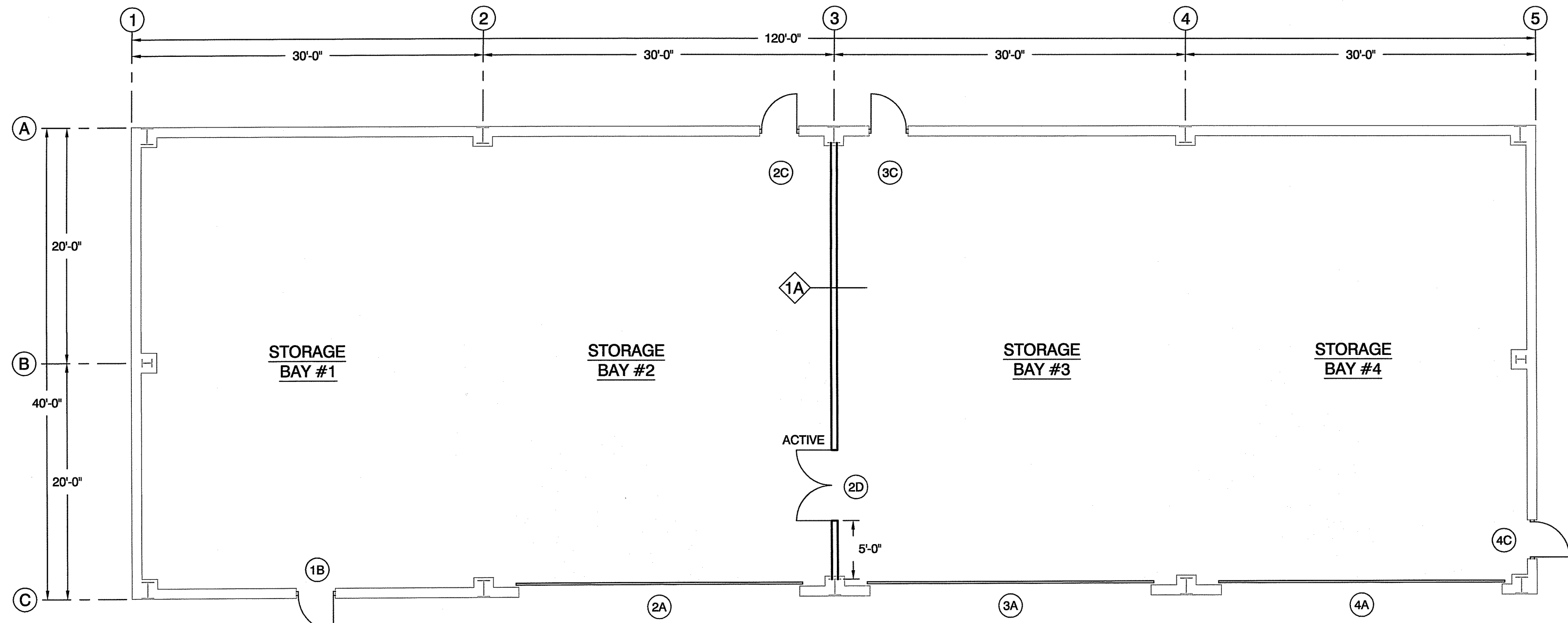
NAVAL UNDERSEA WARFARE CENTER
FACILITIES DEPARTMENT
NEWPORT, RHODE ISLAND

DEPARTMENT OF THE NAVY
NAVAL UNDERSEA WARFARE CENTER DIVISION
FACILITIES BRANCH
NEWPORT, RHODE ISLAND
DEER FIELD SECURE STORAGE FACILITY
NUWC DIVISION NEWPORT
SITE DETAILS

DATE: 03/20
DESIGNED BY: M. JAMES
CHECKED BY: R. NELSON
SATISFACTORY TO: [Signature]
APPROVED: [Signature]

20-013A
SIZE: ANSI D
SCALE: AS NOTED
NAVFAC DRAWING NO.
CONTRACT NO.
WORK REG. NO. W2020-090-01
SHEET 3 OF 11
C-2

Environmental Management
 NOV 20 2020
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ARCHITECTURAL FINISH NOTES

- GYPSUM BOARD**
- PROVIDE LEVEL 3 GYPSUM BOARD FINISH, AS DEFINED IN GA-214.
 - PROVIDE 1 COAT OF LATEX PRIMER, AND 2 COATS OF LATEX PAINT. COLOR TO BE SELECTED BY GOVERNMENT.
 - PROVIDE 8' HIGH x 1/8" THICK SMOOTH FRP PLASTIC PANELS ON BOTH SIDES OF WALLS.
 - PROVIDE 1/8" x 4-1/2" VINYL COVE BASE BOTH SIDES OF WALL. COLOR TO BE SELECTED BY GOVERNMENT FROM MANUFACTURERS STANDARD COLORS.
- DOORS & FRAMES**
- PROVIDE 1 COAT OF ALKYD PRIMER AND 2 COATS OF ALKYD FINISH PAINT OR PROVIDE MFG'S FACTORY FINISH (EQUAL OR BETTER). COLOR TO BE SELECTED BY GOVERNMENT. PROVIDE TOUCH-UP PAINT FOR FACTORY FINISHES.
- WALLS & ROOF**
- PROVIDE FACTORY FINISHED INSULATED METALS PANELS (PER SPECIFICATION). COLORS TO BE SELECTED FROM MANUFACTURERS STANDARD COLORS.
 - PROVIDE FACTORY FINISHED TRIM/FLASHING. COLORS TO BE SELECTED BY GOVERNMENT TO COMPLEMENT OR MATCH SELECTED COLORS OF INSULATED METAL PANELS.
 - PROVIDE GUTTER SYSTEM ALONG BOTH EAVES, WITH LEADERS AT BUILDING CORNERS AND COLUMN LOCATIONS (EVERY 30FT) DISCHARGING ONTO CONCRETE SPLASH BLOCKS. LEADERS AT BUILDING CORNERS TO BE ROUTED DOWN AND DISCHARGE AT END WALLS.

ARCHITECTURAL FLOOR PLAN
 1/8" = 1'-0"

DOOR NO.	DOOR				FRAME				HARDWARE SET NO.	REMARKS			
	SIZE (INCHES)			MATERIAL	DETAILS			MATERIAL			TYPE		
	WIDTH	HEIGHT	THICK.		HEAD	JAMB	THRESHOLD						
2A	288	168	2	IM	A	H1	J1	-	PM	-	A	OVERHEAD COILING DOOR - STORAGE BAY #2	
3A	288	168	2	IM	A	H1	J1	-	PM	-	A	OVERHEAD COILING DOOR - STORAGE BAY #3	
4A	288	168	2	IM	A	H1	J1	-	PM	-	A	OVERHEAD COILING DOOR - STORAGE BAY #4	
1B	36	84	1 3/4	IM	B	H2	J2	-	PM	B	B	EXTERIOR ENTRANCE DOOR - BAY #1	
2C	36	84	1 3/4	IM	C	H2	J2	-	PM	C	-	C	EXTERIOR EXIT ONLY - BAY #2
3C	36	84	1 3/4	IM	C	H2	J2	-	PM	C	-	C	EXTERIOR EXIT ONLY - BAY #3
4C	36	84	1 3/4	IM	C	H2	J2	-	PM	C	-	C	EXTERIOR EXIT ONLY - BAY #4
2D	72	84	1 3/4	IM	D	H3	J3	-	PM	D	-	D	INTERIOR DOUBLE DOOR

IM - INSULATED METAL

HW-A (OVERHEAD COILING DOOR)

- MOTORIZED DOOR OPERATOR
- MANUALLY OPERATED CHAIN HOIST
- PUSH BUTTON OPERATOR CONTROL STATION SURFACE MOUNTED ON INTERIOR WALL WITH OPEN/CLOSE/CONTINUOUS HOLD/STOP FUNCTIONS
- LOCK BOLTS AT BOTTOM OF DOOR, INTERLOCK WITH DOOR OPERATOR

HW-B (EXTERIOR ENTRANCE DOOR)

- ANSI/BHMA A156.26 CONTINUOUS HINGE TYPE A31011G
- RIM PUSH PAD EXIT DEVICE (TYPE 4, FUNCTION F08 (SATIN S/S FINISH) ENTRANCE BY LEVER WHEN UNLOCKED BY KEY. INTERCHANGEABLE CORE (SMALL FORMAT) CYLINDER TO ACCEPT GOV'T FURNISHED BEST/STANLEY CORE
- HESS 9600 ELECTRIC STRIKE, UNLOCK BY CARD READER, 12V FAIL SECURE.
- ANSI/BHMA A156.4 TYPE C03061 CLOSER (MODERN-TYPE NO COVER WITH HOLDER ARM)
- 8" X 34" KICK PLATE (J102), SATIN S/S (630)
- ANSI/BHMA A156.21 THRESHOLD TYPE J35100
- SET WEATHER STRIPPING & DOOR SWEEP

PREPARE DOOR & FRAME TO ACCEPT THE FOLLOWING (BY OTHERS)

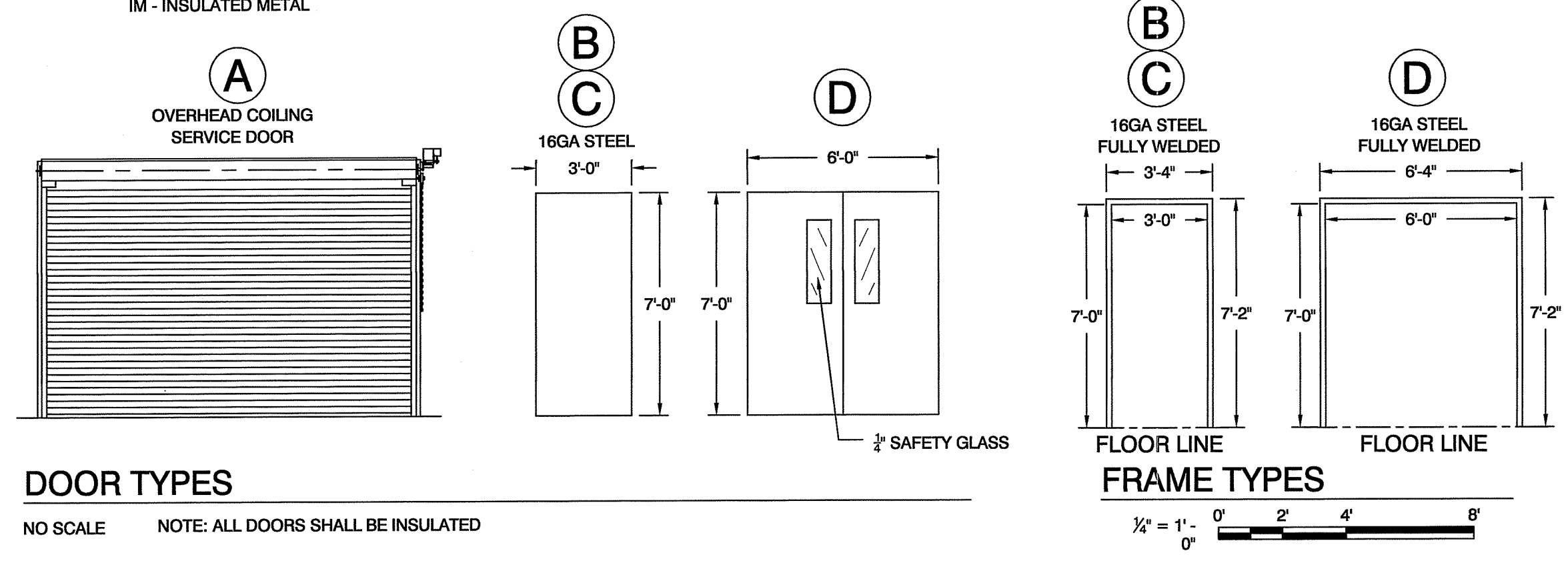
- MAS-HAMILTON CD-X10

HW-C (EXTERIOR EXIT ONLY DOORS)

- ANSI/BHMA A156.26 CONTINUOUS HINGE TYPE A31011G
- RIM PUSH PAD EXIT DEVICE (TYPE 4, FUNCTION F01 EXIT ONLY - NO EXTERIOR TRIM, SATIN S/S FINISH)
- ANSI/BHMA A156.4 TYPE C03061 CLOSER (MODERN-TYPE NO COVER WITH HOLDER ARM)
- 8" X 34" KICK PLATE (J102), SATIN S/S (630)
- ANSI/BHMA A156.21 THRESHOLD TYPE J35100
- SET WEATHER STRIPPING & DOOR SWEEP

HW-D (INTERIOR DOORS)

- ACTIVE LEAF**
- ANSI/BHMA A156.26 CONTINUOUS HINGE TYPE A31011G
 - ANSI/BHMA A156.3 TYPE 1 (RIM EXIT DEVICE) W/ FUNCTION F08 ENTRANCE BY LEVER WHEN UNLOCKED KEY/LOCKS/UNLOCKS LEVER
 - INTERCHANGEABLE CORE (SMALL FORMAT) CYLINDER TO ACCEPT GOV'T FURNISHED BEST/STANLEY CORE
 - ANSI/BHMA A156.4 TYPE C03061 CLOSER (MODERN-TYPE NO COVER WITH HOLDER ARM)
 - 8" X 34" KICK PLATE (J102), SATIN S/S (630)
 - EA OVERLAPPING METAL ASTRAGAL
 - SET WEATHER STRIPPING & DOOR SWEEP
- INACTIVE LEAF**
- ANSI/BHMA A156.26 CONTINUOUS HINGE TYPE A31011G
 - SET OF FLUSH BOLTS - ANSI/BHMA A156.16, TYPE L04081 LEVER EXTENSION FLUSH BOLTS. PROVIDE ASSOCIATED TOP STRIKE PLATE AND BOTTOM DUST PROOF STRIKE.
 - 8" X 34" KICK PLATE (J102), SATIN S/S (630)
 - FOLD-DOWN FOOT DOOR HOLDER
 - SET WEATHER STRIPPING & DOOR SWEEP



DOOR TYPES

NO SCALE NOTE: ALL DOORS SHALL BE INSULATED

FRAME TYPES

1/4" = 1'-0"

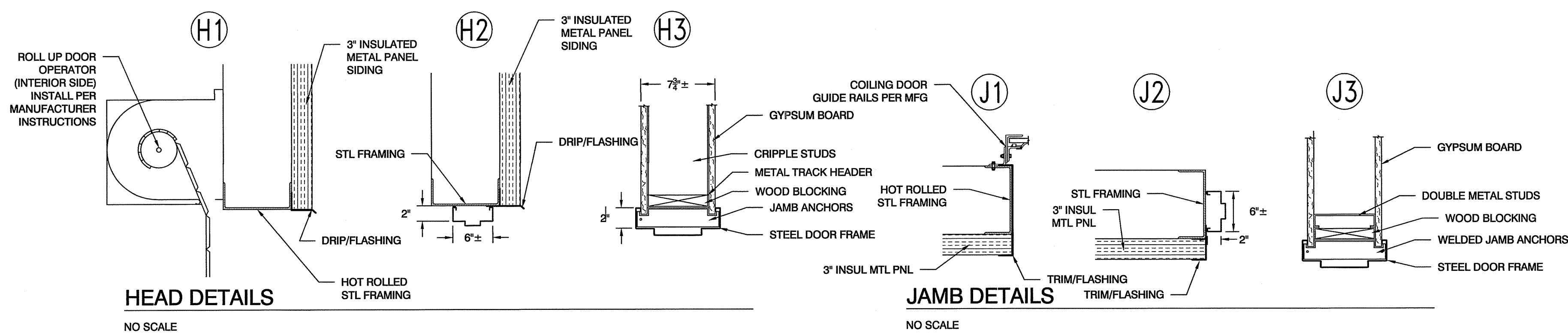


- 6" 18GA METAL STUDS @ 16" O.C.
- 6" UNFACED MINERAL FIBER BATT INSULATION
- 3/8" TYPE X FIRE RESISTANT GYPSUM WALL BOARD BOTH SIDES
- FULL HEIGHT WALL TO EXTEND FROM CONC. FLOOR TO UNDERSIDE OF BEAM ABOVE (SEE FULL HEIGHT WALL DETAIL)
- APPROXIMATE HEIGHT: 16'
- 3/8" THICK BY 8" TALL SMOOTH FRP PANEL BOTH SIDES

TYPE 1A - FULL HEIGHT WALL

PARTITION TYPES

NO SCALE

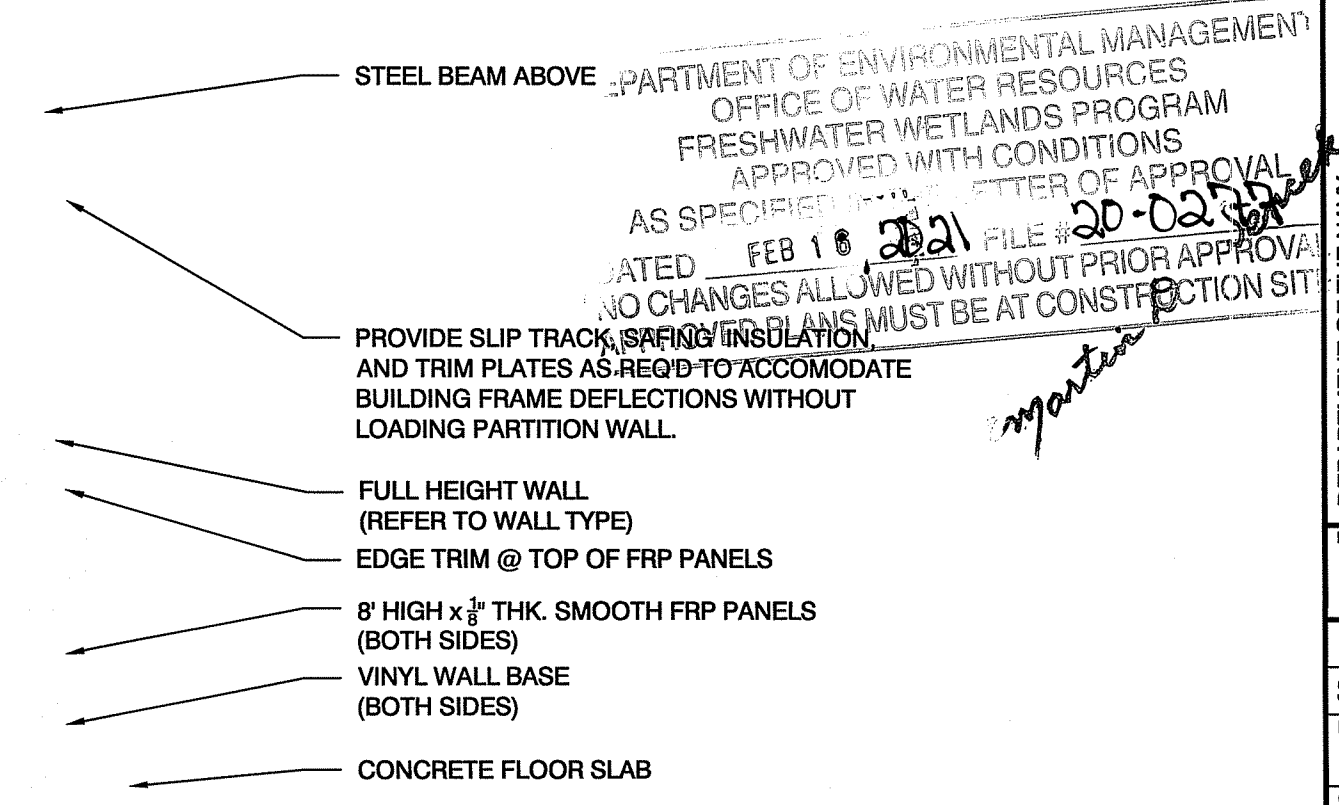


HEAD DETAILS

NO SCALE

JAMB DETAILS

NO SCALE



FULL HEIGHT WALL DETAILS

NO SCALE

SYM	REVISIONS	DATE	APPR.
	REVISED PER COMMENTS	6/20	
	DESCRIPTION		



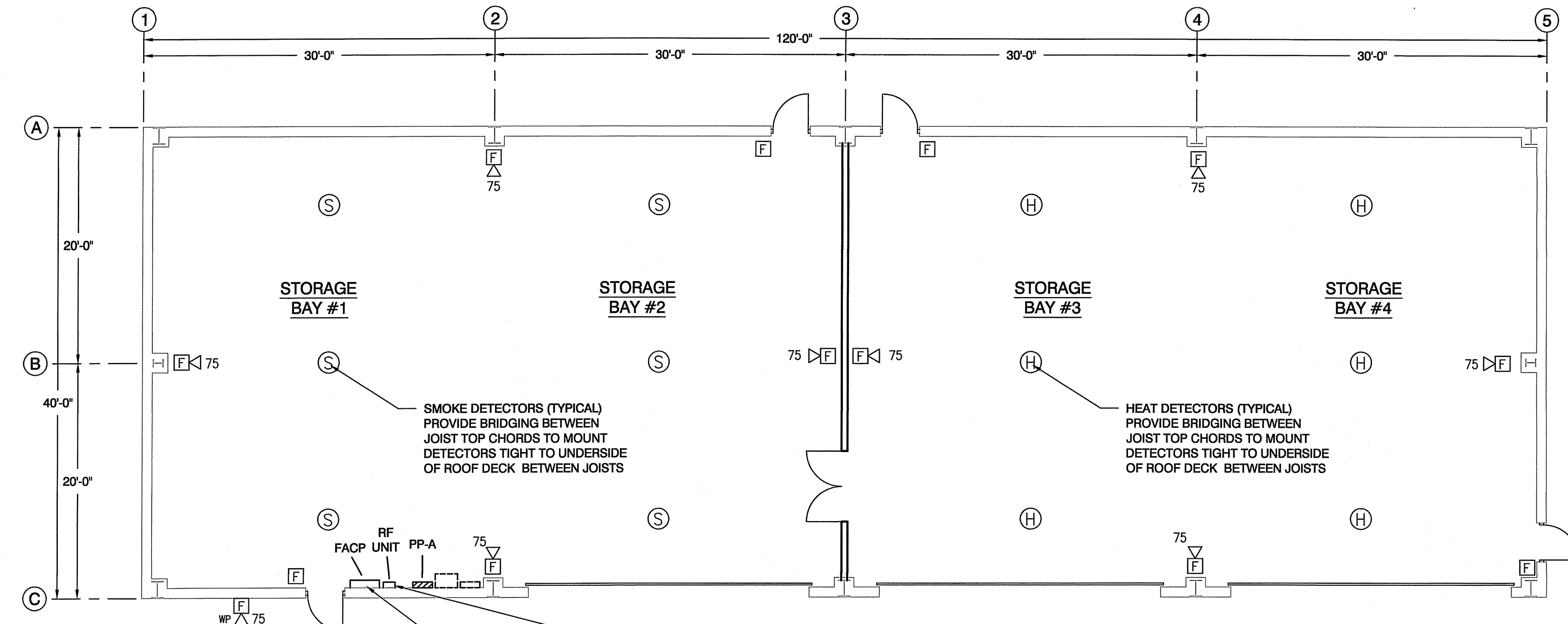
DATE	DATE	DATE	DATE
03/20	03/20	03/20	

DRAWN BY: M. JAMES
 DESIGNED BY: M. JAMES
 CHECKED BY: R. NELSON
 APPROVED BY: [Signature]

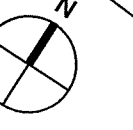
DEPARTMENT OF THE NAVY
 NAVAL UNDERSEA WARFARE CENTER DIVISION
 FACILITIES BRANCH
 DEER FIELD SECURE STORAGE FACILITY
 NUWC DIVISION NEWPORT
 ARCHITECTURAL FLOOR PLAN & DETAILS

NAVAC DRAWING NO. 20-013A
 SIZE: ANSI D
 SCALE: AS NOTED
 CONTRACT NO.
 WORK REQ. NO. W2020-090-01
 SHEET 7 OF 11
 A-1

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN LETTER OF APPROVAL
 DATED FEB 18 2021 FILE # 20-02-302
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 ALL CHANGES MUST BE AT CONSTRUCTION SITE



FIRE ALARM PLAN
 1/8" = 1' - 0"



DIGITIZE INTELLITIZE RF SUBSCRIBER UNIT FOR COMMUNICATION WITH NAVSTA NEWPORT FIRE DEPARTMENT. RF UNIT WILL BE LOCATED ADJACENT TO MAIN PANEL. EXACT OPERATING FREQUENCY TO BE COORDINATED WITH THE GOVERNMENT. VERIFY SIGNAL STRENGTH PRIOR TO FINAL PLACEMENT. PROVIDE REMOTE ANTENNA AS REQUIRED.

ADDRESSABLE FIRE ALARM CONTROL PANEL W/ BATTERY BACKUP. PROVIDE ALL REQUIRED WIRING, CONDUITS, AND ADD-ON DEVICES REQUIRED TO INTERFACE FACP WITH RF SUBSCRIBER UNIT.

- FIRE ALARM SYSTEM NOTES:**
- ALL FIRE ALARM DEVICES SHALL BE LABELED IN THE FIELD BY THE LOOP NUMBER AND DEVICE NUMBER AS INDICATED ON THE L.C.D. DISPLAY OF THE FACP FOR IDENTIFICATION BY THE FIRE DEPARTMENT. LABEL SHALL BE KROY STYLE OR BROTHERS SELF ADHESIVE WITH BACKGROUND COLOR AS DIRECTED BY THE FIRE DEPARTMENT. PROVIDE SAMPLE OF LABEL PROPOSED TO BE USED TO THE FIRE DEPT. FOR APPROVAL. DYMO LABELS WILL NOT BE ACCEPTED. INSTALL LABEL ON THE BASE OF THE DEVICES OR OTHER ACCEPTABLE AREA SO IT IS COMPLETELY VISIBLE AND READABLE.
 - FIRE ALARM WIRING SHALL BE IN RED EMT CONDUIT IN ALL AREAS. MINIMUM CONDUIT SIZE SHALL BE 3/4". THE MINIMUM SEPARATION BETWEEN THE OUTGOING (SUPPLY) AND THE RETURN CIRCUITS SHALL BE A MINIMUM OF ONE FOOT (1') VERTICALLY AND FOUR FEET (4') HORIZONTALLY. ALL WIRING RUNS SHALL BE CLASS "A" AND SHALL BE 2 CONDUCTOR, UNLESS OTHERWISE REQUIRED OR INDICATED. THE WIRING SHALL BE INSTALLED TO FORM A COMPLETE AND TRUE CLASS "A" - 2 WIRE LOOP STARTING FROM THE PANEL AND ENDING AT THE PANEL. THERE SHALL BE NO CLASS "B" WIRING. ALL WIRING FOR THE MAIN SIGNALING LINE CIRCUITS SHALL BE MINIMUM #18 GAUGE SOLID COPPER UNSHIELDED TWISTED PAIR. ALL WIRING FOR THE HORN/STROBE CIRCUITS SHALL BE MINIMUM #14 GAUGE SOLID COPPER. ALL OTHER WIRING SHALL BE MINIMUM 14 GAUGE TYPE "THHN" SOLID COPPER UNLESS OTHERWISE NOTED OR REQUIRED BY THE MANUFACTURER.
 - ALL ADDRESS INFORMATION SHALL BE SUBMITTED FOR GOVERNMENT REVIEW AND APPROVAL PRIOR TO F.A.C.P. PROGRAMMING.
 - ALL FIRE ALARM WORK SHALL COMPLY WITH AND BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES, RULES AND REGULATIONS AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - ALL EQUIPMENT SHALL BE F.M. APPROVED AND U.L. LISTED AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE AND LOCAL CODES AND REGULATIONS. EQUIPMENT SHALL BE INSTALLED APPROXIMATELY AS INDICATED AVOIDING INTERFERENCES.
 - ALL FIRE ALARM JUNCTION BOXES SHALL BE SIZED AS INDICATED OR REQUIRED. WHERE J/B'S ARE 6" SQUARE OR LARGER PROVIDE HINGED LOCKABLE COVER (LOCKS TO BE KEYS SAME AS THE FIRE ALARM CONTROL CABINET), AND PAINT RED. ALL JUNCTION BOX COVERS, LB FITTING COVERS, ETC. SHALL BE PAINTED RED FOR EASE OF IDENTIFICATION.

- FIRE ALARM SEQUENCE OF OPERATIONS**
- MANUAL OPERATION - OPERATION OF A MANUAL FIRE ALARM PULL STATION SHALL:**
- IDENTIFY THE INDIVIDUAL STATION ON THE SYSTEM CONTROL PANEL AND SOUND THE ALARM BELL AT THE CONTROL PANEL.
 - SOUND AUDIBLE BUILDING ALARMS AND ACTUATE STROBES.
 - TRANSMIT AN ALARM SIGNAL TO THE FIRE DEPARTMENT.

- DETECTOR OPERATION - ACTIVATION OF ANY SMOKE OR HEAT DETECTOR(S) SHALL:**
- IDENTIFY THE INDIVIDUAL DEVICE(S) ON THE SYSTEM CONTROL PANEL AND SOUND THE ALARM BELL AT THE CONTROL PANEL.
 - SOUND AUDIBLE BUILDING ALARMS AND ACTUATE STROBES.
 - TRANSMIT AN ALARM SIGNAL TO THE FIRE DEPARTMENT.

- SUPERVISORY OPERATION - ACTIVATION OF ANY SUPERVISORY CIRCUIT SHALL CAUSE THE FOLLOWING ACTIONS:**
- DISPLAY THE ORIGIN OF THE SUPERVISORY CONDITION ON THE SYSTEM CONTROL PANEL.
 - ACTIVATE SUPERVISORY AUDIBLE AND VISUAL SIGNALS AT THE CONTROL PANEL.
 - RECORD THE OCCURRENCE OF THE EVENT, THE TIME OF OCCURRENCE, AND THE DEVICE INITIATING THE EVENT.

- TROUBLE OPERATION - RECEIPT OF A TROUBLE SIGNAL AT THE FIRE ALARM PANEL SHALL:**
- DISPLAY THE ORIGIN OF THE TROUBLE CONDITION ON THE SYSTEM CONTROL PANEL.
 - ACTIVATE TROUBLE AUDIBLE AND VISUAL SIGNALS AT THE CONTROL PANEL.
 - RECORD THE OCCURRENCE OF THE EVENT, THE TIME OF OCCURRENCE, AND THE DEVICE INITIATING THE EVENT.
 - TRANSMIT A TROUBLE SIGNAL TO THE FIRE DEPARTMENT.

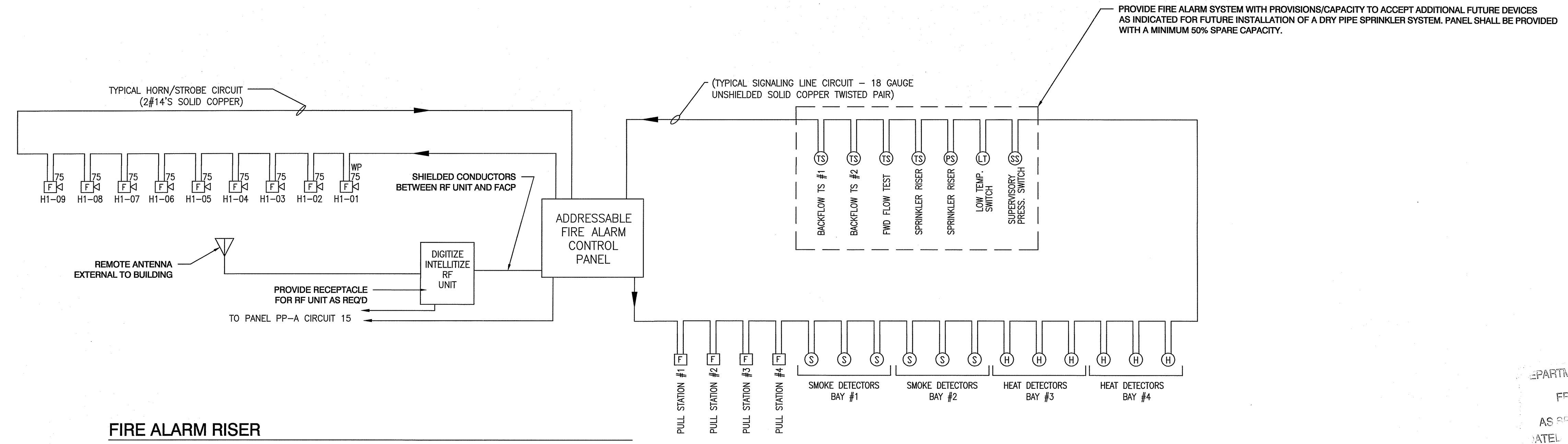


REVISED PER COMMENTS	DATE	APPR.
	6/20	



DATE	DATE	DATE	DATE	DATE
03/20	03/20	03/20	03/20	

DEPARTMENT OF THE NAVY
 NAVAL UNDERSEA WARFARE CENTER DIVISION
 NEWPORT, RHODE ISLAND
 DEER FIELD SECURE STORAGE FACILITY
 NUWC DIVISION NEWPORT
 FIRE ALARM PLAN



FIRE ALARM RISER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 AS SHOWN ON THE LETTER OF APPROVAL
 DATE: FEB 16 2021 FILE # 20-02-02
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NAVAC DRAWING NO.	20-013A
SIZE:	ANSI D
SCALE:	AS NOTED
CONTRACT NO.	
WORK REG. NO.	W2020-090-01
SHEET	11 OF 11
	F-1