




DEMOLISH OPERATORS
QUARTERS BUILDING
MANSFIELD HOLLOW LAKE
MANSFIELD, CONNECTICUT



SOLICITATION NO.: W912WJ22Q0047 - * Solicitation No. is W912WJ23Q0001
CONTRACT NO.:
ISSUE DATE: OCTOBER 2022

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1	THA-35	MODIFICATIONS TO HEATING SYSTEM - PLANS AND DETAIL
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SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET AS INDICED ON THIS SHEET	
APPROVED FOR TECHNICAL ADEQUACY BY:	
JACOBUS/AMBERLEY/1317763205	10/13/22
TECHNICAL LEAD ENGINEER	DATE
REVIEWED BY:	
N/A	
CHEF, GEOTECHNICAL WATER RESOURCES BRANCH	DATE
REVIEWED BY:	
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CHEF, GEO-ENVIRONMENTAL ENGINEERING BRANCH	DATE
APPROVAL, RECOMMENDED BY:	
TESSIER/MATTHEW/1317763205	10/13/22
CHEF, DESIGN BRANCH	DATE
APPROVED BY:	
 HAROLD C. DANIELS/130673905	10/11/22
2020-10-13 14:49:21 -4800	DATE
CHEF, ENGINEERING DIVISION	DATE

This project was designed by the U.S. Army Corps of Engineers. The initials or signatures and registration obligations of individuals appear on these project documents, within the scope of their employment as required by ECR 1110-8152.



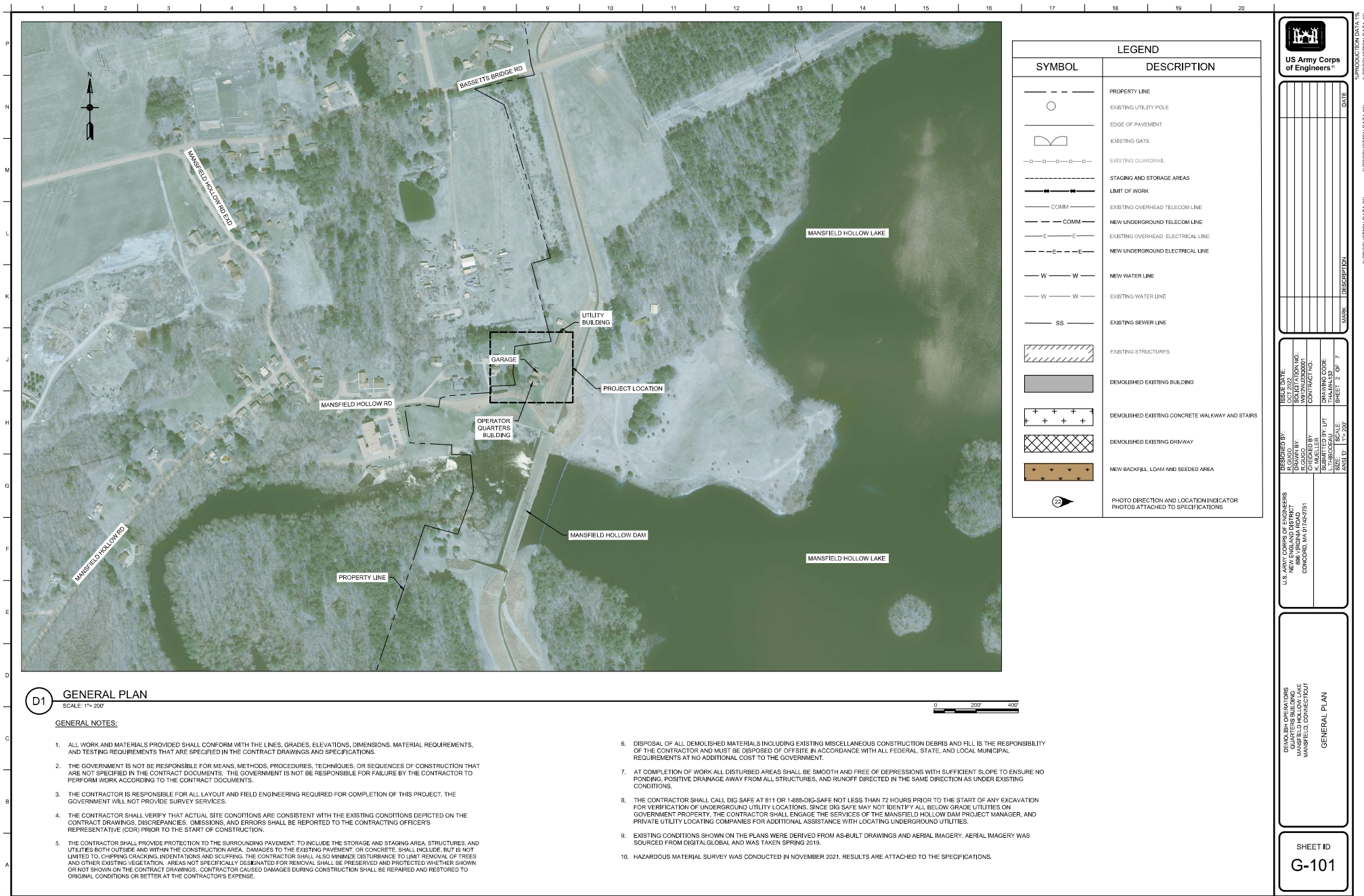
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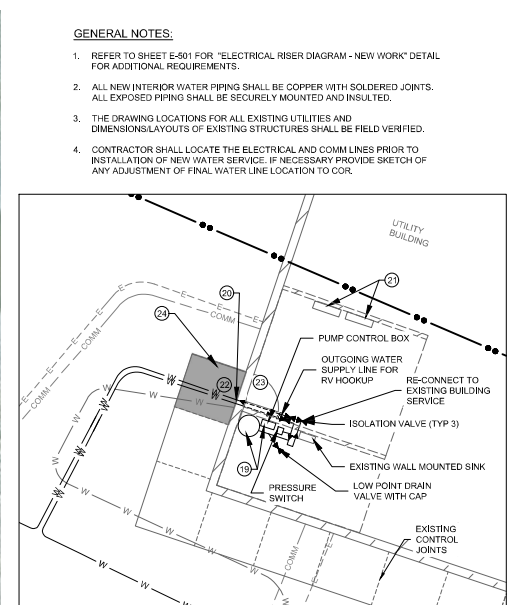
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NEW ENGLAND DISTRICT 696 VIRGINIA ROAD CONCORD, MA 01742-2751	REG/GOU/CINE	OCT 2022
DRAWN BY: R. GUGO	SOLICITATION NO.: W5-22-220001	
CONTRACT NO.: 2022-001		
DRAWN BY: MUELLER/NEWTON		
SUBMITTED BY: PT/JNN	DRAWING CODE: THA-MH-132	
THB/ODE/LINE/WMAN	THA-MH-132	
SIZE:	SCALE:	SHEET 1 OF 7
ANSI:	1:1	

COVER SHEET AND INDEX

SHEET ID
G-001



 Springer

1. REFER TO SHEET E-501 FOR "ELECTRICAL RISER DIAGRAM - NEW WORK" DETAIL FOR ADDITIONAL REQUIREMENTS.
2. ALL NEW INTERIOR WATER PIPING SHALL BE COPPER WITH SOLDERED JOINTS. ALL EXPOSED PIPING SHALL BE SECURELY MOUNTED AND INSULATED.
3. THE DRAWING LOCATIONS FOR ALL EXISTING UTILITIES AND DIMENSIONS/LAYOUTS OF EXISTING STRUCTURES SHALL BE FIELD VERIFIED.
4. CONTRACTOR SHALL LOCATE THE ELECTRICAL AND COMM LINES PRIOR TO INSTALLATION OF NEW WATER SERVICE. IF NECESSARY, PROVIDE SKETCH OF ANY ADJUSTMENT OF FINAL WATER LINE LOCATION TO COR.

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT 686 VIRGINIA ROAD CONCORD, MA 01742-7571	DESIGNED BY: R. GUNO	ISSUE DATE: JULY 1992
	DRAWN BY: R. GUNO	SOLICITATION NO.: W912WJ200001
	CHECKED BY: K. MUELLER	CONTRACT NO.:
	SUBMITTED BY: L. THIRODEAU	DRAWING CODE: THA-MH-112
	SIZE: ANSI D	SHEET 4 OF 7

DEMOLISH OPERATORS
QUARTERS BUILDING
MANSFIELD HOLLOW LAKE
MANSFIELD, CONNECTICUT

SITE PLAN
NEW WORK

SHEET ID
C-101

	% PRODUCTION DATA 1%	% PRODUCTION DATA 2%	% PRODUCTION DATA 3%	% PRODUCTION DATA 4%
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PRODUCTION DATA 2%

1

 $1'' = 20'$

- 1 PROPOSED 1" POLYETHYLENE (PE) PIPE SHALL CONTACT EXISTING SUB AT UTILITY BUILDING. INSTALL PER CONSTRUCTION FURNISHED FROE FREE SPIGOT TO BE INSTALLED BY THE CONTRACTOR. REFER TO DETAIL C7 ON SHEET C-601.
- 2 CONTRACTOR TO BACKFILL WITH STRUCTURAL FILL GRADE TO MATCH EXISTING AND PLACE 6 INCHES OF TOPSOIL AND SEED. REFER TO SPECIFICATION SECTION 31 23.0 EXCAVATION AND FILL FOR MORE INFORMATION.
- 3 CONTRACTOR SHALL TOP THE HATCHED AREA WITH GRAVEL. FINAL GRADE SHALL RUNOFF AWAY FROM STRUCTURE. REFER TO DETAIL C2 ON SHEET C-601.
- 4 PROPOSED UNDERGROUND ELECTRICAL AND TELECOM CONDUIT. SEE TRENCH DETAIL H1 ON SHEET C-501 AND CONDUIT LAYOUT DETAIL D15 ON SHEET E-601.

5	COMMUNICATIONS CONDUIT SHALL TURN UP AT GARAGE EXTERIOR WALL. PROVIDE PULL STRING FOR LENGTH OF CONDUIT. PULL STRING SHALL EXTEND 18" BEYOND CONDUIT. CAP CONDUIT WITH TOP OF SEAL.
6	COMMUNICATIONS CONDUIT SHALL TURN UP AT UTILITY POLE. REFER TO DETAIL F10 ON SHEET E-501 FOR ADDITIONAL REQUIREMENTS, EXCEPT COMMUNICATIONS CONDUIT SHALL BE EMPTY WITH PULL STRING. PROVIDE PULL STRING FOR LENGTH OF CONDUIT.
7	POWER CONDUIT SHALL TURN UP AT UTILITY POLE. REFER TO DETAIL F10 ON SHEET E-501 FOR ADDITIONAL REQUIREMENTS, COORDINATE WITH EVERSOURCE.
8	PROPOSED GOVERNMENT FURNISHED FREE SPIGOT TO BE INSTALLED BY THE CONTRACTOR. REFER TO THE GOVERNMENT FURNISHED EQUIPMENT APPENDIX ATTACHED TO THE SPECIFICATION FOR THE INFORMATION.

- 9 PROPOSED GOVERNMENT FURNISHED CONTRACTOR INSTALLED NON-METERED RV POWER OUTLET PEDESTAL. UNIT IS SURFACE MOUNTED. REFER TO THE GOVERNMENT FURNISHED EQUIPMENT APPENDIX ATTACHED TO THE SPECIFICATION FOR MORE INFORMATION. REFER TO A1 ON E-501 FOR ADDITIONAL, DETAIL.
- 10 LOCATION OF NEW POWER PANEL. PG-6. REFER TO DETAIL A1 SHEET E-501 FOR ADDITIONAL REQUIREMENTS.
- 11 PROPOSED UNDERGROUND COMMUNICATION CONDUIT, EMPTY WITH PULL STRING.
- 12 PLACE 8 INCHES OF TOPSOIL AND SEED. FINISH GRADING TO MATCH EXISTING. REFER TO SPECIFICATION SECTION 31 23 00 EXCAVATION AND FILL FOR MORE INFORMATION.
- 13 INSTALL SEDIMENT CONTROL BARRIER. REFER TO DETAIL 1433 (ON SHEET C-501).

14	HANDHOLE H-1-1. REFER TO E-501 FOR ADDITIONAL REQUIREMENTS. HANDHOLE SHALL BE INSTALLED PER EVERSOURCE REQUIREMENTS.
15	SEE DETAIL A1 ON SHEET E-501 FOR ADDITIONAL REQUIREMENTS.
16	PROPOSED 1" PE PIPE SHALL CONNECT FROM EXISTING WELF TO UTILITY BUILDING MECHANICAL ROOM, RUN WATER PIPING BELOW FROST DEPTH.
17	SAWCUT ASPHALT PAVEMENT, REMOVE AND DISPOSE OF REMOVED PAVEMENT AT AN APPROVED OFFSITE LOCATION. TRENCH WIDTH AND DEPTH SHALL BE KEPT TO A MINIMUM BUT MADE WIDE ENOUGH TO ALLOW FOR THE PLACEMENT FOR INSTALLATION OF NEW WATER LINE. RESTORING DISTURBED AREA WITH NEW HOT MIX ASPHALT AS PER DETAIL J7 ON SHEET C-501 AND REFER TO SANITARY DETAIL D12 ON SHEET C-501.
18	CONNECT NEW WATER DISTRIBUTION PIPE TO EXISTING WATER WELF. PIPE CONNECTION AND DISTRIBUTION PIPE SHALL BE PER EVERSOURCE REQUIREMENTS.

19 NEW WELL PRESSURE TANK, WALL MOUNTED PUMP CONTROLLER, AND PRESSURE SWITCH TO BE LOCATED IN EXISTING BATHROOM ADJACENT TO MECHANICAL ROOM. THE PRESSURE TANK SHALL BE INSTALLED WITH THE FOLLOWING COMPONENTS FOR A COMPLETE AND OPERATIONAL WELL WATER SYSTEM THAT IS CAPABLE OF SUPPLYING THE EXISTING AND NEW WATER SIPS FOR THE BATHROOM AND MECHANICAL ROOM. THE CONTRACTOR SHALL CONTRACT, WIRING AND CONDUITS AS REQUIRED. CONTRACTOR SHALL COORDINATE THE FINAL EQUIPMENT LOCATIONS AND PIPE PENETRATION LOCATIONS WITH THE COR PRIOR TO INSTALLATION.

20 NEW WELL WATER ENTRY PIPES, OUTGOING WATER SUPPLY PIPES AND ELECTRICAL CONDUITS SHALL BE ROUTED BELOW EXISTING UTILITY CLOSET, EXISTING AND PERMANENTLY LOCATED IN EXISTING BUILDING CONCRETE SLAB INTO MECHANICAL ROOM. CONTRACTOR SHALL TAKE INTO CONSIDERATION EXISTING WALL BEARING SPAN FOR LOCATING CONCRETE SLAB CUT OUT FOR THE NEW WATER SUPPLY PIPES. ALL ABOVE GRADE PIPING AND VALVES SHALL BE LOCATED ADJACENT TO THE EXISTING WALL TO BE OUT OF THE NORMAL TRAVEL PATH OF THE MECHANICAL ROOM. IF THE NEW WATER SUPPLY PIPES ARE REQUIRED, THEY SHALL BE AT A MINIMUM OF A FEET BELOW GRADE AND THE TWO PIPES SHALL PASS THROUGH THE SAME CORE. REFER TO DETAIL H ON SHEET C-02.

21 CONTRACTOR SHALL PROVIDE NEW POWER FEED FROM EXISTING ELECTRICAL PANEL LOCATED IN THE MECHANICAL ROOM TO POWER THE NEW PUMP CONTROL PANEL. CONTRACTOR SHALL PROVIDE THE FEED IN ALIGNMENT WITH ALL REQUIREMENTS OF THE NEC.

22 ELECTRICAL WIRE FROM PUMP CONTROL BOX TO WELL PUMP SHALL FOLLOW THE SAME ROUTING AS THE INCOMING WATER LINE FROM THE WELL PUMP.

23 CONTRACTOR SHALL DISASSEMBLE FLOATING LAMINATE FLOORING, STOP IN A PROTECTED DISE LOCATION AND REASSEMBLE UPON COMPLETION OF WORK. CONTRACTOR SHALL INSTALL A NEW NEOPRENE UNDERLAYER ON THE AFFECTED AREA. CONTRACTOR TO THEN REASSEMBLE THE LAMINATE FLOORING. CONTRACTOR SHALL BE REQUIRED TO RUN NEW INCOMING/OUTGOING WATER LINES. AFTER NEW WATER LINES ARE INSTALLED, VOID IS TO BE FILLED WITH STRUCTURAL FILL. CONTRACTOR SHALL BE REQUIRED TO REPAIR AND FINISH THE WALL C-02. WATER PIPES ARE TO BE SLEEVED THROUGH THE NEW SLAB.

24 SHADER SPEAKING TO BE REMOVED AND REPLACED MATCHING EXISTING. REFER TO DETAIL D, SHEET C-02.

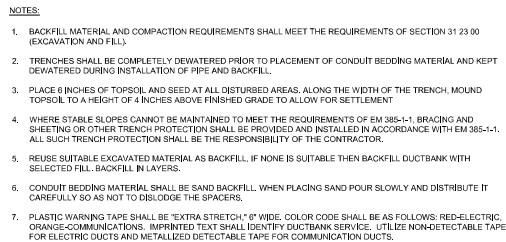


Diagram illustrating the cross-section of a road construction detail, showing the relationship between the finished gravel surface, geotextile fabric, and gravel base over an undisturbed or compacted subgrade.

The diagram shows a cross-section of a road structure. At the top, a horizontal line represents the "FINISHED GRADE". Below this, a layer of gravel is shown, labeled "FINISHED GRAVEL SURFACE". Below the gravel surface is a layer of "GEOTEXTILE FABRIC (SEE NOTE 2)". Below the geotextile fabric is a layer of "UNDISTURBED OR COMPACTED SUBGRADE". To the right of the subgrade, a layer of "6\" GRAVEL SURFACE COURSE (SEE NOTE 1)" is shown, followed by a layer of "12\" GRAVEL BASE COURSE (SEE NOTE 1)". The top right corner of the diagram is labeled "SEED AT DISTURBED AREAS". The bottom right corner is labeled "EXISTING GRADE". A dimension line at the top indicates "AS SHOWN ON C-101".

- NOTES:**
1. MATERIALS FOR GRAVEL SURFACE AND BASE COURSES SHALL BE AS SPECIFIED UNDER SPECIFICATION SECTION 31 23 00, EXCAVATION AND FILL.
 2. MATERIAL FOR GEOTEXTILE FABRIC SHALL BE AS SPECIFIED UNDER SPECIFICATION SECTION 31 23 00, EXCAVATION AND FILL.

NOTES

1. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION SHALL BE DONE AT OR ABOVE THE AMBIENT TEMPERATURE OF THE SURFACE OF THE EXISTING PAVEMENT OR BASE COURSE BEING 40 DEGREES F.
2. CONTRACTOR SHALL OBTAIN CONCRETE MIXTURES FROM A SUPPLIER THAT REGULARLY PRODUCES BITUMINOUS CONCRETE UNDER SECTION 401 OF THE STATE SPECIFICATIONS. MIX DESIGN SHALL BE SUBMITTED TO COR FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO COMMENCING PAVEMENT WORK.
3. CONTRACTOR SHALL CONDUCT FIELD TESTS TO ENSURE SPECIFIED FIELD DENSITY. PER SECTION 401 OF THE STATE SPECIFICATIONS, FIELD DENSITY SHALL BE DETERMINED BY THE COR. FIELD DENSITY TESTS SHALL BE PERFORMED IN ACCORDANCE TO ASTM D2950 AND SHALL BE PERFORMED ON BOTH THE SURFACE AND WEARING COURSE. LOCATIONS OF TESTS SHALL BE APPROVED BY THE COR.
4. THE GRADE OF THE PERFORMANCE-GRADE (PG) ASPHALT BINDER SHALL BE PG 64-28.
5. THE TACK COAT SHALL BE APPLIED AT A RATE OF APPROXIMATELY 0.05 GALLONS PER SQUARE YARD. UNDERLYING COURSE MATERIAL SHALL BE CLEANED OF ALL FOREIGN MATTER AND LOOSE MATERIAL, AND SHALL DRY BEFORE TACK COAT IS APPLIED. THE EMULSION SHALL RANGE BETWEEN 75 DEGREES F AND 130 DEGREES F AT THE TIME OF APPLICATION, APPLICATION SHALL BE MADE JUST PRIOR TO PLACEMENT OF BINDER AND SHALL BE APPLIED TO THE SURFACE OF THE EXISTING PAVEMENT. THE PAVING SHALL BE PROGRESS SUFFICIENTLY AHEAD OF THE PAVING SO THAT THE SURFACE TO BE PAVED WILL BE "TACKY".
6. CONTRACTOR SHALL COMPACT THE TOP 12 INCHES OF SUBGRADE TO 95% OF ASTM D1557.
7. COMPACTED PROCESSED AGGREGATE BASE TO EXTEND 12 INCHES MINIMUM BEYOND THE EDGE OF PAVEMENT. ENCOUNTERED DURING CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE FOR THE COLLECTION AND DISPOSAL OF SURFACE AND SUBSURFACE WATER

Diagram illustrating the cross-section of a water pipe installation, showing the layers and dimensions:

- FINISHED GRADE** (top surface)
- UNPAVED** (left side)
- PAVED** (right side)
- 6" LOAM AND SEED** (top layer on the unpaved side)
- FINISHED ASPHALT PAVEMENT GRADE** (top layer on the paved side)
- SEE NOTE 3** (pointing to the top layer on the paved side)
- SEE NOTE 1** (pointing to the native excavated material)
- NATIVE EXCAVATED MATERIAL AT LEAST A 7.5 LB. VIBRATORY PLATE COMPACTOR (4 PASSES MIN.)** (pointing to the material surrounding the pipe)
- WATER PIPE** (the central pipe)
- 6" MIN** (vertical dimension for the top layer on the unpaved side)
- 6" MIN** (vertical dimension for the top layer on the paved side)
- 6" MIN** (vertical dimension for the native excavated material layer)
- 6" MIN** (vertical dimension for the water pipe)
- W = 0.0, ± 2'** (horizontal dimension for the water pipe)

- NOTES:**
1. SAND BACKFILL. REFER TO SPECIFICATION SECTION 31 23 00.
 2. DEPTH OF WATER PIPE SHALL NOT BE LESS THAN 4'-0" FROM FINISHED GRADE.
 3. INSTALL BURIED WARNING AND IDENTIFICATION TAPE FOR WATER PIPING ONLY.
 4. BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

COMPOST FILTER SOCK DETAIL

NOTES

1. SEDIMENT CONTROL BARRIERS (SCB) SHALL BE PLACED ALONG THE CONTOUR. EACH END OF SCB SHALL BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES FROM MAIN RUN OF SCB.
2. SCB PLACED AT BOTTOM OF SLOPES SHALL BE AT LEAST 5 FEET FROM TOE OF SLOPES.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, REPAIRS, AND REMOVAL OF SCB.
4. BOTTOM OF COMPOST FILTER SOCK SHALL BE IN FULL CONTACT WITH THE GROUND ALONG ITS ENTIRE LENGTH.

SAWCUT AND APPLY TACK COAT

EXISTING ASPHALT PAVEMENT

APPLY TACK COAT

APPLY TACK COAT

FULL DEPTH SAWCUT

12" (SEE NOTE 2)

APPLY HOT/HEAT RUBBERIZED ASPHALT SEALANT ALONG JOINT

SAWCUT AND APPLY TACK COAT

EXISTING AGGREGATE BASE/SUB-BASE COURSE

NOTES:

- NOTES:
1. APPLY TACK COAT ON ALL SAWED FACES AND MILLED SURFACES.
 2. MILL 1 1/2" OF EXISTING PAVEMENT SURFACE 12" BEYOND FULL DEPTH SAWCUT FOR OFFSET JOINT; APPLY TACK COAT PRIOR TO PLACEMENT OF PAVEMENT WEARING COURSE.



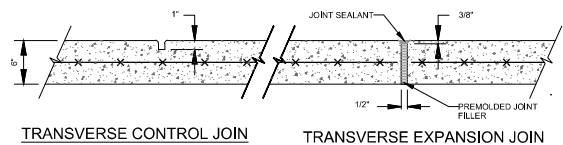
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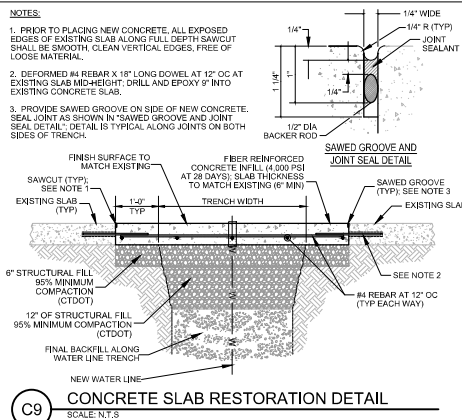
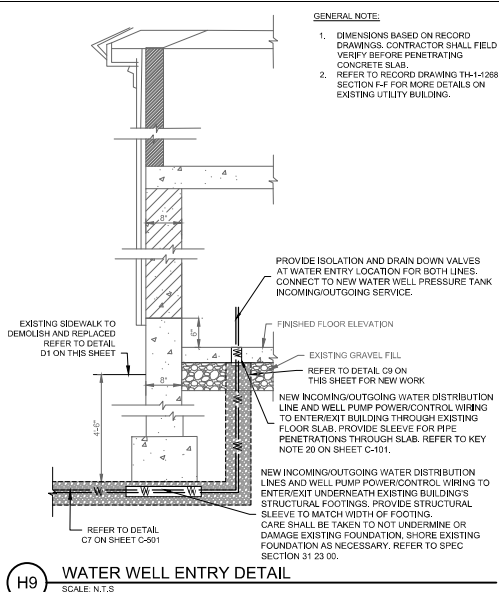
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT 696 VIRGINIA ROAD CONCORD, MA 01742-2751	DESIGNED BY: R.G.GUD	ISSUE DATE: OCT 2022
	DRAWN BY: R.G.GUD	SUBSCRIPTION NO.: W92WZ620001
	CHECKED BY: K. MULLER	CONTRACT NO.: CONTRACT NO.
	SUBMITTED BY: L. THIBODEAU	DRAWING CODE: THA-MH-112
	SIZE: ANSI D	SHEET 5 OF 7

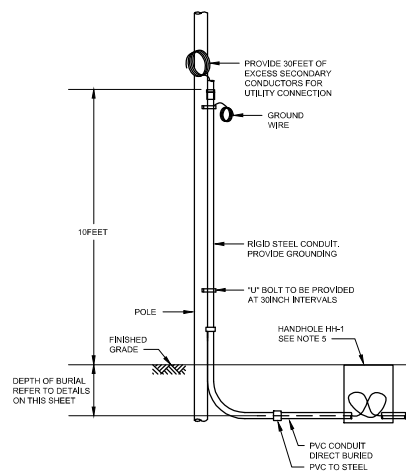
DEMOLISH OPERATORS
QUARTERS BUILDING
HANSFIELD HOLLOW LAKE
HANSFIELD, CONNECTICUT

CIVIL DETAIL I



1. THE CONTRACTOR SHALL MINIMIZE LOSS OF THE AGGREGATE BASE UNDER THE EXISTING SIDEWALK. FILL AND COMPACT ANY VOID UNDER THE SIDEWALK TO THE FULLEST EXTENT POSSIBLE.
2. CONNECT THE NEW SIDEWALK WITH THE EXISTING SIDEWALK.
3. THE SIDEWALK SURFACE SHALL BE A LIGHTLY BROOM FINISHED TO BE SLIP RESISTANT. BROOM FINISH SHALL RUN PERPENDICULAR TO THE CURBING.
4. SLOPE SHALL BE AT LEAST 1.5% (MIN) AND NO MORE THAN 2.2% (MAX).
5. PROVIDE TRANSVERSE CONTROL JOINTS AT EVERY 5 FEET ON CENTER AND TRANSVERSE EXPANSION JOINTS EVERY 20 FEET ON CENTER. JOINTS SHALL BE STRAIGHT AND BE FULL DEPTH AND WIDTH OF SIDEWALK.

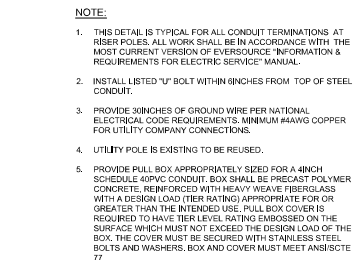




1. REFER TO CD-101 FOR SITE PLAN AND PHOTO PAGES IN SPECIFICATION FOR ADDITIONAL INFORMATION.
2. EXISTING OVERHEAD CONDUCTORS TO BE DISCONNECTED AND REMOVED, COORDINATE ALL UTILITY DISCONNECT REQUIREMENTS WITH EVERSOURCE.
3. EXISTING METER AND SOCKET TO BE DISCONNECTED FROM POWER PANEL, UTILITY POWER SOURCE AND REMOVED. RETURN EXISTING METER TO EVERSOURCE.
4. EXISTING POWER PANEL TO BE DISCONNECTED AND REMOVED PRIOR TO BUILDING DEMOLITION, COORDINATE SCHEDULING REQUIREMENTS WITH CONTRACTING OFFICER'S REPRESENTATIVE.
5. DISCONNECT AND REMOVE EXISTING DOUBLE THROW SWITCH.

6. DISCONNECT AND REMOVE EXISTING SECURITY PANEL AND POWER SOURCE. RETURN PANEL TO THE GOVERNMENT.
7. DISCONNECT AND REMOVE EXISTING OVERHEAD FEEDER CONDUCTOR FOR THE GARAGE

SCALE: N.T.S.



SCALE: N.T.S.

2. REFER TO C-101 FOR SITE PLAN.
3. NEW METER AND METER SOCKET. COORDINATE EXISTING REQUIREMENTS WITH EVERSOURCE.
4. 2-1/4"AWG, 14-4WG GND IN 2" SCHEDULE 40 PVC DIRECT BURIED CONDUIT. REFER TO DETAIL D15 ON THIS SHEET FOR DUCTBANK CONSTRUCTION REQUIREMENTS.
5. GOVERNMENT FURNISHED, CONTRACTOR INSTALL CONDUIT AND POWER OUTLET PEDESTAL. UNIT LOCATION SURF MOUNTED.
6. 2-1/4"AWG, 14-4WG GND IN 2" SCHEDULE 40PVC DIRECT BURIED CONDUIT. REFER TO DETAIL D15 ON THIS SHEET FOR DUCTBANK CONSTRUCTION REQUIREMENTS.
7. TRANSITION FROM SCHEDULE 40 PVC TO GALVANIZED RIGID STEEL, TYPICAL FOR BOTH CONDUITS. REFER TO DETAIL D15 ON THIS SHEET FOR PROVIDE EXISTING RIGID STEEL CONDUITS AS REQUIRED FOR TURNING INTO GARAGE.
8. 120/240VOLT, SINGLE PHASE, 200A MAIN CIRCUIT BREAKER, 100 AMP PANEL WITH 100 AMP RATING, PROVIDE POWER PANEL WITH 120/240POLE CIRCUIT BREAKER FOR THE RV PEDESTAL AND 100 AMP 240VOLT BREAKER FOR THE TRAILER.

8. EQUIPMENT SHALL BE MOUNTED ON 1"X5" PRESSURE TREATED DECK BOARD RUN HORIZONTALLY. DECK BOARDS SHALL BE ATTACHED TO TWO 4"X6" PRESSURE TREATED POSTS. DECK BOARDS SHALL EXTEND 8" BEYOND THE VERTICAL RISE OF THE EQUIPMENT. BE INSTALLED TO 48" BELOW GRADE AND RISE TO 8" ABOVE THE TOP OF THE TALLEST EQUIPMENT BOX. DO NOT PAINT. ALL HARDWARE USED SHALL BE STAINLESS STEEL.
9. PANELBOARD SHALL BE SURFACE MOUNTED ON EXISTING BACKBOARD IN GARAGE. COORDINATE MATERIALS WITH EXISTING CONDITIONS. ALL MOUNTING HARDWARE SHALL BE GALVANIZED IRON STEEL.
10. SERVICE ENTRANCE RATED, GENERAL DUTY, DISCONNECT SWITCHING VOLTAGE 20040V, ALL PHASE, 200AMP IN A NEMA 3R ENCLOSURE PER NEMA ICS 6.

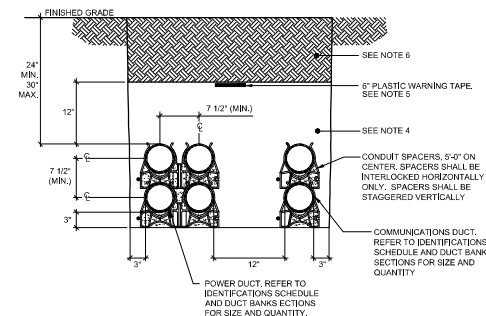
A	AMPERES
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
GND.G	GROUND OR GROUNDING
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
UL	UNDERWRITERS LABORATORIES
Ø	PHASE

SCALE: N.T.S.

CONDUIT IDENTIFICATION SCHEDULE	
1	4" SCHEDULE 40 PVC - POWER
2	2" SCHEDULE 40 PVC - SPARE COMMUNICATION CONDUIT, EMPTY WITH PULL STRING.

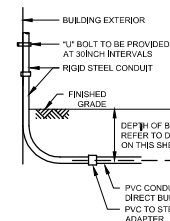
1. REFER TO "TYPICAL DIRECT BURY DUCTBANK CONSTRUCTION DETAIL" ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. REFER "ELECTRICAL RISER DIAGRAM NEW WORK" ON THIS SHEET FOR CONDUCTOR REQUIREMENTS.
3. REFER TO C-101 FOR DUCTBANK ROUTING.

SCALE: N.T.S.



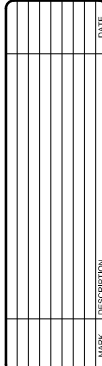
- NOTES:**
1. REFER TO "DIRECT BURIED DUCTBANK SECTIONS" ON THIS SHEET FOR CONDUIT REQUIREMENTS.
 2. PROVIDE 12" SPACING BETWEEN POWER AND COMMUNICATIONS CONDUITS.
 3. REFER TO TRENCH DETAIL ON C-501 FOR ADDITIONAL REQUIREMENTS.
 4. SAND BACKFILL WHEN PLACING SAND POUR SLOWLY AND DISTRIBUTE IT CAREFULLY SO AS NOT TO DISLODGE THE SPACERS.
 5. PLASTIC WARNING TAPE SHALL BE "EXTRA STRETCH" 6 INCHES WIDE, COLOR CODE SHALL BE AS FOLLOWS: RED/ELECTRIC, ORANGE/COMMUNICATIONS. IMPRINTED TEXT SHALL IDENTIFY DUCTBANK SERVICE, UTILIZE NON-DETECTABLE TAPE FOR ELECTRIC DUCTS AND METALLIZED DETECTABLE TAPE FOR COMMUNICATION DUCTS.
 6. PROVIDE TOPSOIL TO GRADE AND SEED ABOVE THE BACKFILL. REFER TO TRENCH DETAIL ON C-501 FOR ADDITIONAL REQUIREMENTS.

SCALE: N.T.S.



- NOTE:**
1. THIS DETAIL IS TYPICAL FOR ALL CONDUIT TERMINATIONS AT THE AT THE ELECTRICAL EQUIPMENT AND AT RISER POLES.
 2. INSTALL LISTED "U" BOLT WITHIN 6 INCHES FROM TOP OF STEEL CONDUIT.

SCALE: N.T.S.



U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT 686 VIRGINIA ROAD CONCORD, MA 01742-9751	DESIGNED BY:		ISSUE DATE:	
	DRAWN BY:		SOLUTION NO.:	
	CHECKED BY:		WPD/2500001	
	APPROVED BY:		CONTRACT NO.:	
	SUBMITTED BY:	JMN	DRAWING CODE:	
	DATE:		THRU: 11/2	
	SCALE:		SHEET 7 OF 7	
	ANSI:			

DEMOLISH OPERATORS
QUARTERS BUILDING
MANSFIELD HOLLOW LAKE
MANSFIELD, CONNECTICUT