YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY TOILET TRAILER

YARMOUTH, MAINE

CONSTRUCTION DOCUMENTS FEBRUARY 21, 2024

G00-1

CIVIL DRAWINGS C00-1 C00-2 C10-1 C20-1 C50-1

ELECTRICAL DRAWINGS E00-1 E80-1

LIST OF DRAWINGS

COVER SHEET

- SITE NOTES
- SITE EROSION CONTROL NOTES
- EXISTING SITE CONDITIONS AND DEMOLITION PLAN SITE LAYOUT PLAN
- SITE DETAILS
- ELECTRICAL SYMBOLS AND ABBREVIATIONS ELECTRICAL SITE PLAN

Harriman

YARMOUTH SCHOOL
DEPARTMENT
PUMP STATION
FOR TEMPORARY
TOILET TRAILER
PUMP STATION FOR TEMPORARY TOILET TRAILER

YARMOUTH, MAINE		
Harriman Project No.	23189	



CONSTRUCTION DOCUMENTS

FEBRUARY 21, 2024

Revision Date Revision Description

Drawn by: CEM

COVER SHEET



- THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION IS NOT GUARANTEED. VERIFY SITE CONDITIONS INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK
- 2. PLACE 4' WIDE BY 2" THICK TRENCH POLYSTYRENE INSULATION OVER SEWER LINES WHERE DEPTH OF COVER OVER TOP OF PIPE IS LESS THAN 4.5'. F INSULATION ALSO BETWEEN SEWER LINE AND STORM DRAIN OR BETWEEN WATER LINE AND STORM DRAIN WHERE SEPARATION IS LESS THAN 4.5'.
- CLEAN SEDIMENT FROM NEW STORM DRAINS AND CATCH BASINS, AND ALSO FROM EXISTING STORM DRAINS AND CATCH BASINS THAT DIRECTLY REC 3. RUNOFF FROM THE WORK AREA.
- 4. COORDINATE WORK ON UTILITY LINES OR WITHIN ROAD RIGHT-OF-WAY WITH THE UTILITY COMPANIES AND CITY/TOWN ROAD DEPARTMENT AND STAT MDOT.
- 5. SLOPE CONDUITS AWAY FROM BUILDING TO HANDHOLE OR UTILITY POLE TO AVOID GROUND WATER SEEPAGE INTO BUILDING.
- 6. PRIOR TO REMOVAL OF UTILITIES, VERIFY UTILITY FUNCTION, MATERIAL, USE, AND CURRENT ACTIVITY. REPORT DISCREPANCIES TO THE ARCHITECT DIRECTION PRIOR TO COMMENCING THE WORK ON THAT UTILITY.

UTILITY NOTES C1 SCALE: N.T.S

EXISTING

BUILDING

BIT. CONC. PAVEMENT

CURB

CHAIN-LINK FENCE

GUARDRAIL

SIGN

BOLLARDS

WETLAND LIMIT

STREAM

TREES

TREE LINE

CONTOUR

SPOT ELEVATION

GRADE TO DRAIN

SOIL BORING, TEST PIT

SILT FENCE

RIP-RAP (SIZE NOTED)

CATCH BASIN/DRAIN INLET

STEAM MANHOLE

STORM DRAIN MANHOLE

SEWER MANHOLE

TELEPHONE MANHOLE

WATER VALVE

HYDRANT

UTILITY POLE

GUY

LIGHT POLE

LIGHT BOLLARD

SPOT LIGHT

FLAG POLE

TRANSFORMER PAD

POLE TRANSFORMER

GEOTHERMAL WELL STORM DRAIN

UNDERDRAIN

SANITARY SEWER

WATER LINE

IRRIGATION LINE

GAS, PROPANE

STEAM LINE

GEOTHERMAL WATER

UNDERGROUND

COMMUNICATION LINE

AERIAL ELECTRICAL,

TELEPHONE, AND CABLE

PROPERTY LINE

STANDARD SITE LEGEND

NOT IN CONTRACT

UNDERGROUND ELECTRICAL _____ NUE ____

UNDERGROUND LIGHTING ------- NUL -------

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SCALE: N.T.S

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N.I.C.

- RELOCATE EXISTING TBM INFORMATION ONTO NEW TBM OF COI CHOICE FOR CONSTRUCTION USE PRIOR TO REMOVAL OF EXIS
- IF EXISTING ASBESTOS CEMENT PIPE IS ENCOUNTERED, HANDLE DISPOSE OF ASBESTOS MATERIALS WITH CARE AND IN ACCORD APPLICABLE CODES AND SAFETY STANDARDS.
- EXCAVATE AND STOCKPILE ON-SITE TOPSOIL. TOPSOIL IS TO RE PROPERTY OF THE OWNER DURING CONSTRUCTION. AFTER FIN AND SEED EXCESS TOPSOIL SHALL BE REMOVED FROM SITE BY CONTRACTOR
- DIMENSIONS ARE TO FACE OF CURB AND TO FACE OF FOUNDAT OTHERWISE INDICATED.
- PAVEMENT EDGES SHALL BE TRUE TO LINE. SAWCUT EXISTING IN SMOOTH STRAIGHT LINE WHERE NEW PAVEMENT JOINS. PRC COAT LAYER AS SPECIFIED.
- CONTRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING TEST LOCATIONS AND INVERTS OF UTILITIES, AND REPORT ANY DISC TO ARCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF
- PROVIDE TRAFFIC CONTROL SIGNAGE AND STRIPING AS SHOW ACCORDANCE WITH U.S.D.O.T. MANUAL ON UNIFORM TRAFFIC C DEVICES.
- 8. SUBSURFACE INFORMATION PROVIDED BY S.W. COLE ENGINEER



CURB ABBREVIATIONS

RVGC	RE-SET VERTICAL GRANITE CURB
VGC	
VGC	
SGC	NEW SLOPED GRANITE CURB
FGC	NEW GRANITE CURB FLUSH WITH PAVEMENT
TCE	NEW TAPERED CURB ENDS (TIP DOWNS)
TRC	NEW TRANSITIONAL CURB
BC	NEW BITUMINOUS CURB
CCBC	NEW CAPE COD BITUMINOUS CURB
PCC	NEW PRE-CAST CONCRETE CURB
CCC	NEW CAST-IN-PLACE CONCRETE CURB

PAINT STRIPING ABBREVIATIONS

SWSL	SINGLE WHITE SOLID LINE
SWDL	SINGLE WHITE DASHED LINE
SYSL	SINGLE YELLOW SOLID LINE
SYDL	SINGLE YELLOW DASHED LINE
DYSL	DOUBLED YELLOW SOLID LINE

A2

 VERIFY SITE CONDITIONS INCLUDING TEST PITS FOR PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. E DEPTH OF COVER OVER TOP OF PIPE IS LESS THAN 4.5'. PLACE ID STORM DRAIN WHERE SEPARATION IS LESS THAN 4.5'. IG STORM DRAINS AND CATCH BASINS THAT DIRECTLY RECEIVE COMPANIES AND CITY/TOWN ROAD DEPARTMENT AND STATE ID WATER SEEPAGE INTO BUILDING. IT ACTIVITY. REPORT DISCREPANCIES TO THE ARCHITECT FOR 		
OCATE EXISTING TBM INFORMATION ONTO NEW TBM OF CONTRACTORS CE FOR CONSTRUCTION USE PRIOR TO REMOVAL OF EXISTING TBM. INSTING ASBESTOS CEMENT PIPE IS ENCOUNTERED, HANDLE AND OSE OF ASBESTOS MATERIALS WITH CARE AND IN ACCORDANCE WITH ICABLE CODES AND SAFETY STANDARDS. INVATE AND STOCKPILE ON-SITE TOPSOIL. TOPSOIL IS TO REMAIN THE PERTY OF THE OWNER DURING CONSTRUCTION. AFTER FINAL LOAM SEED EXCESS TOPSOIL SHALL BE REMOVED FROM SITE BY TRACTOR INSIONS ARE TO FACE OF CURB AND TO FACE OF FOUNDATION UNLESS SERVISE INDICATED. IMENT EDGES SHALL BE TRUE TO LINE. SAWCUT EXISTING PAVEMENT IOOTH STRAIGHT LINE WHERE NEW PAVEMENT JOINS. PROVIDE TACK I LAYER AS SPECIFIED. ITRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING TEST PITS FOR ATIONS AND INVERTS OF UTILITIES, AND REPORT ANY DISCREPANCIES RCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. //IDE TRAFFIC CONTROL SIGNAGE AND STRIPING AS SHOWN AND IN ORDANCE WITH U.S.D.O.T. MANUAL ON UNIFORM TRAFFIC CONTROL CES. BURFACE INFORMATION PROVIDED BY S.W. COLE ENGINEERING, INC.	 PROVIDE 4" LOAM, SEED AND MULCH TO DISTURBED AREAS UNLESS OTHERWISE NOTED. PROVIDE EROSION CONTROL MESH ON ALL SLOPES 6:1 OR STEEPER, AND ALONG DITCH CHANNELS. GRADE SURFACES TO DRAIN AWAY FROM BUILDING. PUDDLING OF WATER IN PAVED OR UNPAVED AREAS WILL NOT BE ACCEPTABLE EXCEPT FOR AREAS DESIGNATED AS PONDS. MAINTAIN TEMPORARY EROSION CONTROL MEASURES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REPAIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE, PLACE IN AREA OF LOW EROSION POTENTIAL, AND STABILIZE WITH SEED AND MULCH. PLACE TEMPORARY SOIL STABILIZATION WITHIN 30 DAYS OF INITIAL DISTURBANCE. PLACE PERMANENT SOIL STABILIZATION WITHIN 7 DAYS OF FINAL GRADING. 	 PRIOR TO EXCAVATION, VERIFY THE UNDERGROUND UTILITIES, PIPES, STEMEASURES: A. PRE-MARK THE BOUNDARIES OF YOUR PLANNED EXCAVATION WITH WMARK THEIR LINES. B. CALL DIG SAFE, AT EITHER 811 OR 1-888-DIGSAFE, AT LEAST 72 BUSINI WORK. DON'T ASSUME SOMEONE ELSE WILL MAKE THE CALL. C. IF BLASTING, NOTIFY DIG SAFE AT LEAST 24 BUSINESS HOURS IN ADV/D. WAIT 72 HOURS FOR LINES TO BE LOCATED AND MARKED WITH COLOI THE TYPE OF UTILITIES THEY INDICATE. TRANSFER THESE MARKS TO E. CONTACT THE LANDOWNER AND OTHER "NON-MEMBER" UTILITIES (W/UNDERGROUND FACILITIES. TRANSFER THESE MARKS TO THE AS-BUI F. RE-NOTIFY DIG SAFE AND THE NON-MEMBER UTILITIES IF THE DIGGINA OR IF THE MARKS ARE LOST DUE TO WEATHER CONDITIONS, SITE WO G. HAND DIG WITHIN 18 INCHES IN ANY DIRECTION OF ANY UNDERGROUN FOR INITIAL SITE PENETRATION, SUCH AS REMOVAL OF PAVEMENT OF H. DIG SAFE REQUIREMENTS ARE IN ADDITION TO TOWN, CITY AND/OR S I. FOR COMPLETE DIG SAFE REQUIREMENTS, VISIT THEIR WEBSITE. J. IF YOU DAMAGE, DISLOCATE OR DISTURB ANY UNDERGROUND UTILITICREATES SAFETY CONCERNS, CALL THE FIRE DEPARTMENT AND TAKI K. ANY TIME AN UNDERGROUND LINE IS DAMAGED OR DISTURBED, OR IF
GENERAL SITE NOTES SCALE: N.T.S	B3 GRADING NOTES SCALE: N.T.S	B4 DIG SAFE NOTES SCALE: N.T.S
CURB ABBREVIATIONS BIT. VGC NEW VERTICAL GRANITE CURB C.O. SGC NEW VERTICAL GRANITE CURB CONC. FGC NEW SLOPED GRANITE CURB CONC. FGC NEW SLOPED GRANITE CURB CONC. FGC NEW SLOPED GRANITE CURB CONC. FGC NEW GRANITE CURB FLUSH WITH PAVEMENT DI. TCE NEW GRANITE CURB FLUSH WITH PAVEMENT DI. TCE NEW GRANITE CURB FLUSH WITH PAVEMENT DI. TCE NEW TRANSITIONAL CURB EXG. BC NEW TRANSITIONAL CURB F.F.E. CCBC NEW CAPE COD BITUMINOUS CURB FT PCC NEW PRE-CAST CONCRETE CURB GW CCC NEW CAST-IN-PLACE CONCRETE CURB IN. NIN. NI.C. NCB MIN. N.I.C. NCB AINT STRIPING ABBREVIATIONS NCP WSL SINGLE WHITE SOLID LINE VSL SINGLE WHITE DASHED LINE YSL VSL DOUBLED YELLOW SOLID LINE YSL DOUBLED YELLOW SOLID LINE	BITUMINOUS NS NEW SEWER CLEAN-OUT NSD NEW STORM DRAIN CONCRETE NSFM NEW SEVER FORCE MAIN DRAIN INLET NSL NEW SEVER FORCE MAIN DRAIN INLET NSL NEW SPOT LIGHT ELEVATION NUD NEW UNDERGROUND ELECTRICAL FINISHED FLOOR ELEVATION NUG NEW UNDERGROUND GAS FET NUF NUSC INCHES CONDUT INVERT NWF MAXIMUM NWF MINIMUM P.C. NEW CATCH BASIN SG NEW GEOTHERMAL WATER S NEW GEOTHERMAL WATER TRANSITIONAL PAD NEW GEOTHERMAL WATER TEM TEMPORARY BENCH MARK NEW GEOTHERMAL WATER TEM TEMPORARY BENCH MARK NEW LIGHT POLE TYP TYPICAL WW WITH UNO UNLESS NOTED OTHERWISE	BASIC SURVEY FROM TITCOMB ASSOCIATES "PLAN OF YARMOUTH HIGH SCHOOL" DATED MARCH 14, 2019. SUPPLEMENTED BY HARRIMAN "YARMOUTH HIGH SCHOOL ADDITIONS AND RENOVATIONS" DATED SEPTEMBER 24, 2019.
STANDARD SITE ABBREVIATIONS SCALE: N.T.S		A4 SURVEYOR NOTES

Harriman

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YARMOUTH, MAINE	
Harriman Project No.	23189

RUCTURES, AND FACILITIES. PROVIDE THE FOLLOWING MINIMUM

WHITE PAINT, FLAGS OR STAKES, SO UTILITY CREWS KNOW WHERE TO

NESS HOURS - BUT NO MORE THAN 30 CALENDAR DAYS - BEFORE STARTING

ANCE.

R-CODED PAINT, FLAGS OR STAKES. NOTE THE COLOR OF THE MARKS AND) THE AS-BUILT DRAWINGS.

ATER, SEWER, GAS, ETC.), FOR THEM TO MARK THE LOCATIONS OF THEIR JILT DRAWINGS.

IG, DRILLING OR BLASTING DOES NOT OCCUR WITHIN 30 CALENDAR DAYS, ORK ACTIVITY OR ANY OTHER REASON.

IND LINE UNTIL THE LINE IS EXPOSED. MECHANICAL METHODS MAY BE USED R ROCK.

STATE DOT STREET OPENING PERMIT REQUIREMENTS.

TY LINE, IMMEDIATELY NOTIFY THE AFFECTED UTILITY. IF DAMAGE KE IMMEDIATE STEPS TO SAFEGUARD HEALTH AND PROPERTY. F LINES ARE IMPROPERLY MARKED, YOU MUST CALL DIGSAFE.

Graphic Scale Plan North True North
(line measures 1" when plotted at full size)
FRANK L CRABTREE No. 3993
CUMBERUCTION DOCUMENTS
FEBRUARY 21, 2024
Revision Date Revision Description
Drawn by: CEM
SITE
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1. <u>GENERAL</u>

- A. PLAN THE SEQUENCE OF CONSTRUCTION SO THAT THE SMALLEST PRACTICAL AREA OF LAND IS EXPOSED AT ANY ONE TIME DURING CONSTRUCTION. SCHEDULE THE WORK SUCH THAT SEDIMENTATION BARRIERS AND DETENT CONSTRUCTION SEQUENCE, TO PREVENT SEDIMENTS FROM UPHILL AREAS REACHING STREAMS, WETLANDS OR PROPERTY LINES. THE AREA DISTURBED BY STRIPPING OF VEGETATION, SOIL REMOVAL, AND REGARDING SHALI DURATION OF EXPOSURE OF THE DISTURBED AREA SHALL BE KEPT TO A PRACTICAL MINIMUM. UNTIL A DISTURBED AREA IS STABILIZED, SEDIMENT IN RUN-OFF SHALL BE TRAPPED BY THE USE OF DEBRIS BASIN, SEDIMENT BAS
- B. TAKE NECESSARY STEPS TO PREVENT SOIL EROSION. REFER TO PUBLICATION OF MAINE DEP PARTICULARLY CHAPTER 500, AND THE MAINE SOIL AND WATER CONSERVATION COMMISSION FOR ADDITIONAL PREVENTION MEASU EROSION AND SEDIMENT CONTROL BMP'S. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN CONFORMITY WITH ALL FEDERAL AND STATE PERMIT REQUIREMENTS CONCERNING WATER, AIR OR NOISE POLLUTION, OR TH MATERIALS. EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE MINIMUM ONLY. SATISFY THE CURRENT REQUIREMENTS OF THE REGULATORY AGENCIES. REPAIR ALL AREAS OF INSTABILITY AND EROSION IMMEDIATEL C. WHENEVER PRACTICABLE, NO DISTURBANCE ACTIVITIES SHOULD TAKE PLACE WITHIN 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET AND 50 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET OF ANY PROTECTED NATURAL RESOURCE. IF DISTURBANCE ACTIVITIES TAKE PLACE BETWEEN 30 FEET OF ANY PROTECTED NATURAL RESOURCE.
- DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED. IF DISTURBANCE ACTIVITIES TAKE PLACE LESS THAN 30 FEET FROM ANY F DISCHARGES THROUGH THE DISTURBED AREAS TOWARD THE PROTECTED NATURAL RESOURCE, PERIMETER EROSION CONTROLS MUST BE DOUBLED AND DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABIL D. EROSION CONTROL MESH: INTENDED AS A TEMPORARY EROSION CONTROL MEASURE THAT WILL DECOMPOSE AFTER STABILIZATION. OPEN WEAVE, SINGLE JUTE YARN OF LOOSELY TWISTED CONSTRUCTION, NOT VARYING IN T
- THE WOVEN MATERIALS SHALL WEIGH 0.9 POUNDS PER SQUARE YARD. SYNTHETIC MESH MATERIAL MAY BE USED AS APPROVED. STAPLES: NO. 11 (OR HEAVIER) PLAIN IRON WIRE, MADE 6 INCHES IN LENGTH. E. EROSION CONTROL BLANKET: INTENDED AS A PERMANENT EROSION CONTROL MEASURE THAT WILL REINFORCE THE TOPSOIL AND VEGETATION AGAINST EROSION AFTER CONSTRUCTION. SYNTHETIC FIBER MATRIX SANDWICH
- BLANKET SHALL WEIGH NOT LESS THAN 0.9 POUNDS PER SQUARE YARD. NORTH AMERICAN GREEN P300 OR APPROVED EQUAL. STAPLES: NO. 11 (OR HEAVIER) PLAIN IRON WIRE, MADE 6 INCHES IN LENGTH. F. SILT FENCE:
- POST: 1"X1" HARDWOOD POST, 4.5 FEET IN LENGTH.
- FABRIC: PERVIOUS 36" WIDE SHEET OF SYNTHETIC POLYMER OF 12-MIL THICKNESS, SUCH AS MIRAFI 100X; TERRA TEX-SC OR APPROVED EQUAL. THE BOTTOM OF THE FABRIC SHALL BE TRENCHED INTO THE EXISTING GROUNI DITCH CHECKS SHALL BE INSTALLED ALONG THE SILT FENCE TO CREATE SEDIMENTATION POOLS IN LOW AREAS WHERE RUN-OFF CONCENTRATES.
- G. EROSION CONTROL SOIL/BARK MIX: SHALL CONSIST OF A MIX OF RECYCLED COMPOSTED BARK, FLUME GRIT, AND FRAGMENTED WOOD GENERATED FROM WATER-FLUME LOG HANDLING SYSTEMS. CONFORMING TO THE FOLL 1. PH - 5.0 TO 6.0.
- 2. SCREEN SIZE 6 INCHES MINUS.
- 3. NO LESS THAN 25 PERCENT ORGANIC MATERIAL.
- 4. NO STONES LARGER THAN 2 INCHES IN DIAMETER.
- 5. APPROVE BY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR USE IN WETLANDS AND NEAR WATERWAYS.
- H. HAY BALES: BALES SHALL BE AT LEAST 14" X 18" X 30" IN SIZE, STAKED TWICE PER BALE. STAKES SHALL BE 1" X 1" X 36" WOODEN. PLACE BALES WITH TWINE ON SIDES OF BALE, NOT TOP OR BOTTOM.
- I. CATCH BASIN SEDIMENT FILTER SACK: A FILTER FABRIC BAG WHICH HANGS UNDER THE GRATE TO CATCH SEDIMENTS. PROVIDE "STREAMGUARD MODEL 3003," "BASIN BAG" BY EMCO DISTRIBUTION, "SILT SACKS HIGH FLOW" BY THE BAG DEVICE PER MANUFACTURER'S RECOMMENDATION.
- J. BEFORE EARTHWORK IS STARTED, A SILT FENCE, FILTER BERM, OR STONE SEDIMENT DAM SHALL BE INSTALLED ALONG THE DOWN-SLOPE SIDE OF THE CONSTRUCTION SITE, AS NECESSARY, TO PREVENT SOIL SEDIMENT MIGRA FILTER BERM ALONG THE DOWN-SLOPE SIDE OF ALL TOP-SOIL AND SUBSOIL STOCKPILES.
- K. EROSION CONTROLS BARRIERS SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE, BUT NOT UNTIL FINISH GRADING, FINAL SEEDING, AND MULCHING HAS BEEN COMPLETED AND THE ESTABLISHED GRASS HAS STABILIZE UNTIL REMOVED.
- L. INSPECT EROSION AND SEDIMENTATION CONTROL WEEKLY AND AFTER STORM AND MAINTAIN IN GOOD WORKING CONDITION FOR PROJECT DURATION. REMOVE SILT DEPOSITS FROM THE SITE, PLACE IN AN AREA OF LOW EROS WETLAND OR WATER BODY, SEED WITH EROSION CONTROL MIX, AND MULCH.
- M. FILTER BERM: PLACE UNCOMPACTED EROSION CONTROL MIX IN A WINDROW AT LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE ARCHITECT. AT A MINIMUM THE BERM SHALL BE 3 FEET WIDE AT THE BASE AND 2 FEET LENGTH. BERM MATERIAL, WHERE THE BERM IS STILL REQUIRED, WHICH HAS DECOMPOSED, CLOGGED WITH SEDIMENT, ERODED, OR BECOMES INEFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INEFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INEFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INEFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INEFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INFFECTIVE, SHALL BE REPLACED. THE BERM SHALL BE REMOVED FROM THE SEDIMENT, ERODED, OR BECOMES INFFECTIVE, SHALL BE REPLACED. GREATER THAN 1", WHEN NO LONGER REQUIRED, AS APPROVED BY THE ARCHITECT.
- N. TEMPORARY STABILIZATION: WITHIN 7 DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES IN AN AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS, STABILIZE EXPOSED SOIL WITH MULCH, OR OTHER NON-ERODIBL WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO A STORM EVENT, WHICHEVER COMES FIRST. REMOVE TEMPORARY CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE. MAINTAIN TEMPORARY EROSION CONTROL MEASURES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REP/ PLACE IN AREA OF LOW EROSION POTENTIAL, AND STABILIZE WITH SEED AND MULCH.
- O. PERMANENT STABILIZATION: IF THE AREA WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEE MULCH, OR RIPRAP, OR ROAD SUB-BASE. "IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, MOISTURE, AND SOIL CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSO AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING SO TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS." NEWLY SEEDED OR SODDED AR EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL VEGETATION IS WELL-ESTABLISHED WITH 90% COVER BY HEALTHY VEGETATION. IF NECESSARY, AREAS MUST BE REWORKED AND RESTABILIZED IF GERM OR TOPSOIL EROSION IS EVIDENT, PERMANENT STABILIZATION IS DEFINED AS FOLLOWS:
- 1. SEEDED AREAS: PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.
- 2. SODDED AREAS: PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.
- 3, PERMANENT MULCH: PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION AC AND LIMITATIONS.
- 4. RIPRAP: PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND IT IS RECOMMENDED THAT ANGULAR STONE BE USED.
- 5. PAVED AREAS: PERMANENT STABILIZATION MEANS PLACEMENT OF THE COMPACTED SUBBASE GRAVEL IS COMPLETED, PROVIDED IT IS FREE OF FINE MATERIALS THAT MAY RUNOFF WITH A RAIN EVENT.
- 6. DITCHES, CHANNELS, AND SWALES: PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION, WITH A WELL-GRADED RIPRAP LINING, TURF REINFORCEMENT MAT, OR V CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE CHANNEL BANKS OR DOWN-CUTTING OF THE CHANNEL.

2. TEMPORARY SEEDING AND MULCHING

A. TOPSOIL STRIPPED AND STOCKPILED ON SITE SHALL BE IMMEDIATELY SEEDED WITH EROSION CONTROL SEED MIX AND MULCHED WITH HAY. MULCH SHALL BE CURED STRAW FREE FROM NOXIOUS WEED SEEDS AND ROUGH B. EROSION CONTROL SEED: Seed Type % Weight % Purity % Germination

-	-		
Domestic Rye	70	85	80
Perennial Rye	30	85	80

C. EXPOSED EARTHWORK AREAS WHICH WILL NOT BE WORKED ON FOR ONE WEEK SHALL BE MULCHED WITH STRAW.

- D. UNFINISHED AREAS WHICH ARE NOT TO BE WORKED ON FOR ONE MONTH OR WILL BE WINTERED SHALL BE SEEDED WITH EROSION CONTROL MIX AT A RATE OF 3 POUNDS OF SEED PER 1,000 SQ. FT. AND MULCHED WITH ST POUNDS PER 1,000 SQ. FT. ANCHOR MULCH TO PREVENT WIND BLOWN MOVEMENT.
- E. IN SENSITIVE AREAS (WITHIN 25 FT. OF STREAM OR WETLAND EDGE) TEMPORARY MULCH MUST BE APPLIED AT THE END OF EACH WORK DAY AND PRIOR TO ANY STORM EVENT. NO FILL SHALL BE PLACED ON HAY MULCH. 3. PERMANENT SEEDING AND MULCHING
- A. GRASS SEED SHALL BE FREE FROM NOXIOUS WEED SEEDS AND RECLEANED, GRADE A RECENT CROP SEED, TREATED WITH APPROPRIATE FUNGICIDE AT TIME OF MIXING, DELIVERED TO THE SITE IN SEALED CONTAINERS W VARIETY OF SEED SHALL HAVE PERCENTAGES OF GERMINATION OF NOT LESS THAN 80% AND A PERCENTAGE OF PURITY OF NOT LESS THAN 85% .. SOW SEEDS AT A RATE OF 5lbs PER 1,000s.f. B. WEED SEED CONTENT SHALL NOT EXCEED 0.25%. WET, MOLDY OR OTHERWISE DAMAGED SEED WILL BE REJECTED.

C. SEED MIX PROPORTIONS BY WEIGHT:	Seed Type	% Weight	% Purity	% Germination
	Chewing Fesue	35	85	80
	Creeping Red Fescue	35	85	80
	Perennial Rye	30	85	80

TION PONDS ARE INSTALLED FARLY IN THE	4. WINTER CONSTRUCTION A. WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVI
LL BE THE MINIMUM NECESSARY AT ANY ONE TIME. THE	
SINS, SILT TRAPS OR OTHER ACCEPTABLE METHODS.	B. SITE STABILIZATION: FOR WINTER STABILIZATION, HAY MULCH IS APPLIED AT TWICE THE STANDARD TEMPORARY STABILIZATION RATE. AT THE END OF EACH CONSTRUCTION DAY, AREAS THAT HAVE BEEN BROUG
URES TO STOP SOIL EROSION AND FOLLOW DEP MAINE HE DISPOSAL OF CONTAMINATED OR HAZARDOUS LY AND MAINTAIN UNTIL THE SITE IS FULLY STABILIZED.	D. DITCH: ALL VEGETATED DITCH LINES THAT HAVE NOT BEEN STABILIZED BY NOVEMBER 1 OR WILL BE WORKED DURING THE WINTER CONSTRUCTION PERIOD MUST BE STABILIZED WITH AN APPROPRIATE STONE LI DEPARTMENT.
TECTED NATURAL RESOURCE, AND STORMWATER PROTECTED NATURAL RESOURCE, AND STORMWATER	E. SLOPES: MULCH NETTING MUST BE USED TO ANCHOR MULCH ON ALL SLOPES GREATER THAN 8% UNLESS EROSION CONTROL BLANKETS OR EROSION CONTROL MIX IS BEING USED ON THESE SLOPES.
ILIZED WITH 7 DAYS.	5. DRAINAGE DITCHES AND EMBANKMENTS
THICKNESS BY MORE THAN 1/2 ITS NORMAL DIAMETER.	A. DRAINAGE DITCHES SHALL BE PROVIDED WITH TEMPORARY STONE CHECK DAMS SPACED NO GREATER THAN 100 FEET APART. TEMPORARY DITCH CHECK DAMS SHALL BE CONSTRUCTED WHERE INDICATED. ADD THE WORK AREA.
HED BETWEEN HEAVY DUTY UV STABILIZED NETTING.	 B. GRASSED DRAINAGE DITCHES AND SWALES SHALL BE LINED WITH A CONTINUOUS MAT OF EROSION CONTROL MESH FOR FULL BOTTOM WIDTH AND SIDE SLOPES TO 12" ABOVE BOTTOM, WITHIN 48 HOURS OF FINA C. WHERE EROSIVE VELOCITIES IN DITCHES OR EMBANKMENTS ARE ANTICIPATED OR EXPERIENCED AND SOIL CANNOT BE STABILIZED WITH MULCH AND MESH, SUBSTITUTE EROSION CONTROL SOIL/BARK MIX IN PLA EROSIVE VELOCITIES ARE EXCESSIVE, PROVIDE A 12" THICK STONE RIP-RAP LINING ALONG DITCH BOTTOM AND UP SIDE SLOPES TO ONE FOOT ABOVE THE BOTTOM ELEVATION. PLACE NON-WOVEN GEOTEXTILE D. STABILIZE POND EMBANKMENT (INTERIOR AND EXTERIOR), SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL AND DRAINAGE DITCHES BY SEPTEMBER 15, CONSISTING OF PERMANENT SEEDING AND
D A MINIMUM OF 6 INCHES. IN ADDITION, HAY BALES OR	STABILIZATION. E. INSTALL EROSION CONTROL MESH OVER MULCH ON SLOPES STEEPER THAN SIX HORIZONTAL TO ONE VERTICAL (16%) AND IN CONFORMANCE TO DOT STANDARD SPECIFICATION, LATEST EDITION, SECTION 9.48, F
OWING:	F. PERMANENTLY RIP-RAP INLETS AND OUTLETS OF CULVERTS AND PIPE OUTFALLS WITHIN 48 HOURS OF INSTALLATION, AS SPECIFIED IN SECTION 312000 - EARTH MOVING AND AS SHOWN ON THE DRAWINGS.
	G. INSTALL PERMANENT EROSION CONTROL BLANKET AROUND CULVERT INLETS AND OUTLETS AS SHOWN ON THE DRAWINGS AND ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
	1. PREPARE SOIL WITH LOAM, FERTILIZER AND SEED AS SPECIFIED IN SECTION 329200 PRIOR TO INSTALLING THE EROSION CONTROL BLANKET.
	2. INSTALL PERMANENT EROSION CONTROL BLANKET FIVE FEET MINIMUM IN ALL DIRECTIONS AROUND CULVERT INLETS.
	3. INSTALL PERMANENT EROSION CONTROL BLANKET FIVE FEET MINIMUM IN ALL DIRECTIONS AROUND CULVERT OUTLETS AND A SIX FOOT WIDTH CENTERED ALONG THE OUTLET CHANNEL FOR TEN FEET.
	4. INSTALL STAPLES AS SHOWN ON THE EROSION CONTROL BLANKET DETAIL ON THE DRAWINGS AND THROUGHOUT THE BLANKET IN AN 18 BY 18 INCH GRID.
	0. PARKING AND DRIVES
ACF ENVIRONMENTAL, OR APPROVED EQUAL. INSTALL	
RATION AWAY FROM THE SITE. INSTALL SILT FENCE OR	B. AS THE CRUSHED STONE STABILIZED CONSTRUCTION EXITS CONTINUE TO SCRUB THE SOIL FROM THE TRUCKS, THE STONE LAYER WILL TEND TO FILL WITH SEDIMENTS. WHEN THIS OCCURS, REMOVE THE STONE
	C. AS SOON AS POSSIBLE AFTER ROADS AND PARKING AREAS ARE CLEARED, GRUBBED AND GRADED TO THE REQUIRED SUBGRADE, THE BASE GRAVEL SHALL BE PLACED.
2 ED THE SOIL. MAINTAIN BARRIERS IN GOOD CONDITION	7. REMOVAL AND DISPOSAL
SION POTENTIAL SO IT WILL NOT WASH INTO A	WHEN PERMANENT SOIL STABILIZATION HAS BEEN ACHIEVED, TEMPORARY MATERIALS AND DEVICES THAT ARE NOT READILY DEGRADABLE SHALL BE REMOVED AND DISPOSED OF OFF SITE. SILT FENCES, FILTER BE THE CONTRACTOR.
	8. <u>STONES FOR RIP-RAP</u>
SITE OR RARED INTO NEARDT WOODS TO A DEPTH NO	A. SIZE THE STONE MIXTURE SUCH THAT 50% OF THE STONES, BY WEIGHT, ARE LARGER THAN THE SPECIFIED D50 SIZE. STONES SHALL NOT BE SCHISTOSIC.
BLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A	B. PLAIN RIP-RAP: 4" TO 12" DIAMETER, HARD, SOUND ANGULAR STONES, D50 = 6".
0 DAYS AFTER PERMANENT STABILIZATION IS AIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE.	C. SPECIAL RIP-RAP: 8" TO 18" WIDE SOUND STONES WITH FLAT TOP SURFACE, D50 = 11".
	D. THE STORES SHALL BE PLACED WITH THEIR BENDS AT RIGHT ANGLES TO THE SLOPE, THE LARGER STORES BEING USED IN BOTTOM COURSES.
EDING, SOD, OR THROUGH THE USE OF PERMANENT	E. SPECIAL "RIP.RAP. SHALL BE HAND.PLACED IN CLOSE CONTACT TO FORM AN EVEN. TIGHT AND REASONABLY SMOOTH SURFACE WITH RELATIVELY FLAT TOP SURFACES. LISE NO SMALL STONES OR SPALL
REAS MUST BE PROTECTED FROM VEHICLE TRAFFIC,	
RMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY,	A. SEEDING: SEEDING SHALL BE DONE BETWEEN AUGUST 15TH TO SEPTEMBER 15TH AND/OR APRIL 15TH TO JUNE 15TH.
	B. SODDING: SODDING MAY BE DONE BETWEEN APRIL 15TH AND NOVEMBER 15TH.
	C. VARIANCE: IF SPECIAL CONDITIONS EXIST WHICH MAY WARRANT A VARIANCE IN THE ABOVE PLANTING DATES, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE ARCHITECT STATING THE SPECIAL CONDITIONS F REGARDLESS OF THE TIME OF SEEDING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR A FULL GROWTH OF GRASS.
CCORDING TO THE AFFROVED AFFLICATION RATES	D. PLACE PERMANENT SOIL STABILIZATION WITHIN 15 DAYS OF FINAL GRADING.
THE RIPRAP. STONE MUST BE SIZED APPROPRIATELY.	10. SPILL PREVENTION AND GROUNDWATER PROTECTION
WITH ANOTHER NON-EMSIVE LINING SUCH AS	 A. AREAS INSIDE AND OUTSIDE THE CONTRACT WORK LIMITS SHALL BE PROTECTED FROM LUBRICANTS, FUEL, SEDIMENT, LITTER, CONSTRUCTION DEBRIS, CHEMICALS AND OTHER POLLUTANTS. B. TAKE PRECAUTIONS AND CONFORM TO ALL FEDERAL, STATE AND LOCAL REGULATIONS TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, INCLUDING STORAGE PRACT C. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF TH SOILS, TOPOGRAPHY ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. IMPERVIOUS LINERS OR MATERIALS MUST BE USED TO STORE OR CONTAIN THE HAZARDOUS MATERIALS AND PREVE
SH OR WOODY MATERIALS.	A. USE TRAFFIC CONTROL TO RESTRICT TRAFFIC TO PREDETERMINED ROUTES, MAINTAIN AS MUCH NATURAL VEGETATION AS IS PRACTICABLE. USE PHASING OF CONSTRUCTION TO REDUCE THE AREA COVER, PERMANENT VEGETATIVE COVER, OR SODDING WILL REDUCE THE NEED FOR DUST CONTROL. USE MECHANICAL SWEEPERS ON PAVED SURFACES WHERE NECESSARY TO PREVENT DUST BU
	B. THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
	ONLY WHEN OTHER METHODS ARE NOT PRACTICAL.
	D. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. IN AREAS ADJACENT TO WATERWAYS, USE CHEMICALLY STABLE AGGREGATE.
	 When Temporary Dost control measures are used, repetitive treatment shall be applied as needed to accomplish control. <u>DEBRIS AND OTHER MATERIALS</u> - MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, HERBICIDES, DETERGENTS, SANITARY WASTE ANI
	13. <u>EXCAVATION DE-WATERING</u>
FRAW. APPLY STRAW MULCH AT THE RATE OF 75	A. WATER FROM CONSTRUCTION DEWATERING OPERATIONS SHALL BE CLEANED OF SEDIMENT BEFORE REACHING WETLANDS, WATER BODIES, STREAMS, OR SITE BOUNDARIES. UTILIZE TEMPORARY S
	ACF ENVIRONMENTAL, INC. OR OTHER APPROVED BEST MANAGEMENT PRACTICES (BMP'S).
	TEMPORARY SEDIMENT BASIN AT LEAST 100 FEET FROM THE NEAREST WATER BODY, SUCH THAT THE FILTERED WATER WILL FLOW THROUGH UNDISTURBED VEGETATED SOIL AREAS PRIOR TO REAC
	C. PREPARE A DE-WATERING PLAN TO ADDRESS EXCAVATION DE-WATERING FOLLOWING HEAVY RAINFALL EVENTS OR WHERE THE EXCAVATION MAY INTERCEPT THE GROUNDWATER TABLE DURING CO EROSION AND OFFSITE SEDIMENTATION OR WITHIN A RESOURCE. FOLLOW THE DETAIL OF THE PLAN THROUGHOUT CONSTRUCTION DURATION.
WITH DEALER'S GUARANTEED ANALYSIS AND EACH	D. THE OWNER OR REGULATORY AGENCIES DO NOT AUTHORIZE A WATER DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, INCLUDING THE FOLLOWING: WASTEWATER FROM CLEAN
	OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; SOAPS, SOLVENTS OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND TOXIC OR HAZARL 14. UNAUTHORIZED NON-STORMWATER DISCHARGES, THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
	WASTEWATER FROM THE WASHOUT OR CLEAN OUT OF CONCRETE. STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS.
	• FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.
	SOAPS, SOLVENTS OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING.
	• TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.
	15. <u>AUTHORIZED NON-STORMWATER DISCHARGES</u> , IMPLEMENT APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE FOLLOWING DISCHARGES:
	FIREFIGHTING ACTIVITY.
	FIRE HYDRANT FLUSHINGS.
	• VEHICLE WASH-WATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED.
	DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND DEP CHAPTER 500 APPENDIX (C)(3)

- ROUTINE EXTERNAL BUILDING WASH-DOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS.
- PAVEMENT WASH-WATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOTE USED UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE.
- UNCONTAMINATED GROUNDWATER OR SPRING WATER.
- FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED.
- UNCONTAMINATED EXCAVATION DE-WATERING (SEE REQUIREMENTS IN DEP CHAPTER 500 APPENDIX C(5)).
- POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS.
- LANDSCAPING IRRIGATION.
- 6.CONSTRUCTION INSPECTION AND MAINTENANCE
- A. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S), MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE A WEEK AS WELL AS BEFORE AND WITHIN 24 HOURS AFTER A RAIN EVENT AND PRIOR TO
- COMPLETING PERMANENT STABILIZATION. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL AND STANDARDS AND CONDITIONS OF THE PERMIT, SHALL CONDUCT THE INSPECTIONS. B. UPON DISCOVERY OF A PROBLEM, REPAIR BMPS NO LATER THAN THE END OF THE NEXT WORK DAY. IF ADDITIONAL BMPS OR SIGNIFICANT REPAIRS ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO A RAIN EVENT. C. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND CORRECTIVE ACTION TAKEN. INCLUDING THE NAME AND QUALIFICATIONS OF THE INSPECTIONS, THE DATE OF THE INSPECTIONS AND MAJOR OBSERVATIONS OF OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT REED MAINTENANCE, BMPS THAT REED ADDITIONAL BMPS ARE NEEDED. NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT

/ NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND

ROUGHT TO FINAL GRADE MUST BE STABILIZED. MULCH MAY NOT BE SPREAD ON TOP OF SNOW.

DNE LINING BACKED BY AN APPROPRIATE GRAVEL BED OR GEOTEXTILE UNLESS SPECIFICALLY RELEASED FROM THIS STANDARD BY THE

D. ADDITIONAL TEMPORARY DITCH DAMS SHALL BE INSTALLED DURING THE CONSTRUCTION, WHERE NECESSARY TO PREVENT SOIL FROM LEAVING

F FINAL GRADING AND PRIOR TO A STORM EVENT, IN ORDER TO STABILIZE THE LOAM, SEED AND MULCH. N PLACE OF LOAM. SCREEN THE EROSION CONTROL SOIL/BARK MIX TO REMOVE WOOD, BARK AND STONES ONE INCH IN SIZE AND GREATER. IF XTILE BENEATH RIP-RAP.

AND MULCH. IF THIS DATE CANNOT BE MET, PROVIDE ALTERNATIVE PERMANENT OR TEMPORARY STABILIZATION DESCRIBED AS FALL AND WINTER 9.48. PARAGRAPHS 613.03 THROUGH 613.06. ANCHOR MESH AS RECOMMENDED BY MANUFACTURER.

ILLING OF EARTH AND/OR DEBRIS ON PUBLIC STREETS SHALL BE AVOIDED TO THE MAXIMUM EXTENT POSSIBLE. CLEAN UP AND REMOVE SUCH

TONE AND SEDIMENT AND REPLACE IT WITH A CLEAN LAYER OF STONE.

ER BERMS AND CATCH BASIN SEDIMENT FILTERS MUST BE FULLY REMOVED. REUSABLE MATERIALS ARE AND SHALL REMAIN THE PROPERTY OF

ONS FOR THE PROPOSED VARIANCE. PERMISSION FOR THE VARIANCE WILL BE GIVEN IF WARRANTED IN THE OPINION OF THE ARCHITECT.

PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. IMPLEMENT SPILL PREVENTION, CONTAINMENT AND RESPONSE. OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BE DESIGN OR AS A RESULT OF REVENT THEM FROM ENTERING THE GROUNDWATER.

AREA OF LAND DISTURBED AT ANY ONE TIME. THE USE OF TEMPORARY MULCHING, PERMANENT MULCHING, TEMPORARY VEGETATIVE ST BUILDUP. STATIONARY SOURCES OF DUST, I.E. ROCK CRUSHERS, SHOULD UTILIZE FINE WATER SPRAYS TO CONTROL DUST.

ON OR PLANT DAMAGE, LIQUID CALCIUM CHLORIDE CAN ALSO BE USED. TO REDUCE POTENTIAL FOR ENVIRONMENTAL DEGRADATION, USE

E AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF.

ARY SEDIMENT BASINS, EROSION CONTROL SOIL FILTER BERMS BACKED BY STAKED HAY BALES, A DIRT BAG 55" SEDIMENT FILTER BAG BY M OF UNCOMPACTED EROSION CONTROL MIX IMMEDIATELY BACKED BY STAKED HAY BALES (SEE THE SITE DETAILS). LOCATE THE REACHING THE WATER BODY OR PROPERTY LINE. NG CONSTRUCTION. THE COLLECTED WATER NEEDS TREATMENT AND A DISCHARGE POINT THAT WILL NOT CAUSE DOWNGRADIENT EANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS; FUELS, OILS ZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO THE OWNER, ARCHITECT AND REGULATORY AGENCIES' STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.



YARMOUTH, MAINE	
Harriman Project No	23189



SITE EROSION CONTROL NOTE:





NOTES: 1. EXISTING WATER LINE AND EXISTING ELECTRIC LINE LOCATION IS BASED ON AN AERIAL SKETCH PROVIDED BY BLOOD HOUND UNDERGROUND UTILITY LOCATORS AND SHALL BE CONSIDERED APPROXIMATE.

Harriman

YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY **TOILET TRAILER**

YARMOUTH, MAINE 23189 Harriman Project No.





NOTES:

1. PROVIDE (3) #12AWG AND (1) #12AWG GROUND IN 1" RGS, AND (1) 1" RGS CONDUIT FOR INSTRUMENTATION CABLES FROM SUBMERSIBLE PUMP STATION CONTROL PANEL TO SUBMERSIBLE PUMP. PROVIDE UNISTRUT ASSEMBLY ATTACHED TO NEW CONCESSIONS BUILDING FOR PUMP CONTROL PANEL AND (2) JUNCTION BOXES: ONE NEMA 3R JUNCTION BOX FOR TERMINATION OF PUMP POWER CABLES AND PUMP SEAL LEAK/HIGH TEMP SIGNAL WIRING, AND ONE NEMA 3R JUNCTION BOX FOR TERMINATION OF SUBMERSIBLE PUMP INSTRUMENTATION CABLES. CONDUIT TO BE DIRECT BURIED.

2. CONTRACTOR TO DETERMINE TYPE OF ELECTRIC HANDHOLE WITH BOLT-DOWN COVER TO BE INSTALLED. FIBERGLASS OR HDPE PREFERRED.

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YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY **TOILET TRAILER**

YARMOUTH, MAINE 23189 Harriman Project No.





	Harriman
	YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY TOILET TRAILER
	Harriman Project No. 23189
	Graphic Scale Plan North True North
- 2'-6" x 4'-0" GALV. STEEL ACCESS COVER	FRANK L CRABTREE No. 3993
EL.= 116.0±	CONSTRUCTION DOCUMENTS FEBRUARY 21, 2024
GALV. LIFTING CHAIN 2" DISCHARGE PIPING AND CHECK VALVES	Revision Date Revision Description
2" FM INV. OUT = 110.5 KOR-N-SEAL BOOTS WITH DOUBLE STAINLESS STEEL BANDS	
CONCRETE FILLET 1'-0" 3" BAF STATIONARY FITTING	SITE DETAILS
DIA. [6"] NOTES: 1. CONCRETE: 5,000 PSI AFTER 28 DAYS. 2. REINFORCING: WALLS & FLOOR 4x4/4x4 W.W.M. SLAB TOP #5 @ 8" O.C. 3. PROVIDE BUOYANCY CALCULATIONS AND COUNTERWEIGHT IF NEEDED. 4. COAT EXTERIOR OF STRUCTURE WITH BITUMASTIC COATING. COAT INTERIOR WITH DURALKOTE 500.	C50-1



ELECTRICAL SYMBOL NOTES

THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER.

	THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.
A 12b	EXAMPLE 1: LIGHTING FIXTURE TYPE "A" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b".
* <u>P2D/I</u> * 2aba	EXAMPLE 2: THE FIXTURE TYPE SHOWN AS A NUMERATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE THE SAME TYPE. THE CIRCUIT NUMBER AND SWITCH DESIGNATION SHOWN AS A DENOMINATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE CONNECTED TO THE SAME CIRCUIT, CONTROLLED BY THE SAME SWITCHES, CENTER/OUTBOARD MULTILEVEL SWITCHING.
H ⊗ ∱ E 14	EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "E" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14.
₩ 16c	DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "c".
∽d	THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".
D600 ♀ e	WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "e". SEE SPECIFICATIONS FOR WATTAGE IF NOT INDICATED.
(1 - ♥ 1,3,5	SPECIAL CONNECTIONS. THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.
SF-1 () 2,4,6	MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.
7,9 ——— H1	ELECTRIC HEATER CONNECTIONS. THE HEATER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "H". SEE THE HEATER SCHEDULE FOR ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE HEATER. EXAMPLE: ELECTRIC BASEBOARD HEATER TYPE "H1" CONNECTED TO CIRCUITS 7, 9.
T1	TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".
LPN-102	PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
P01	SPECIAL NOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE RECTANGLE.
LPN-1,3,5	HOME RUN TO BRANCH CIRCUIT PANELBOARD. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN; CIRCUITS 1, 3, 5.
₽ ^{LPN-1}	DEVICE CIRCUIT DESIGNATION, TYPICAL ALL ELECTRICAL DEVICES. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: PANELBOARD LPN; CIRCUIT 1.
	LINEWEIGHT INDICATES EXISTING TO REMAIN.
	LINEWEIGHT INDICATES NEW WORK.
	LINEWEIGHT INDICATES DEMOLISH.



ELECTRICAL SYMBOL LEGEND					
<u>HEIGHT</u> <u>AFF</u>	SYMBOL		<u>HEIGHT</u> <u>AFF</u>	<u>SYMBOL</u>	DESCRIPTION
				6	RELL 24/AC MOUNT AT 7' 6" AFE EDWARDS NO 340 465 WITH ELEC DWD YEMD 120/AC DDL 24/AC SEC NO 88 100
					BELL - 24VAC - MOUNT AT 7 -0 AFF. EDWARDS NO. 340-403 WITH ELEC FWR AFMR, 120VAC FRI, 24VAC SEC, NO. 86-100.
				VFD	
		WIRING IN RACEWAY CONCEALED UNDER FLOOR / UNDERGROUND		СР	CONTROL PANEL - TYPE AS NOTED ON DRAWINGS.
		CABLE TRAY WITH FITTINGS AS SHOWN (TYPE AS DENOTED)		TVSS	TRANSIENT VOLTAGE SURGE SUPRESSOR DEVICE.
		SURFACE MOUNTED RACEWAY.		J	JUNCTION BOX (WALL MOUNTED)
48"	\$	SINGLE POLE SWITCH. WHERE SHOWN SERVING EQUIPMENT, LOCATE ABOVE ACCESSIBLE CEILING DIRECTLY ABOVE ABOVE	þ	Θ	JUNCTION BOX (CEILING OR FLOOR MOUNTED, AS NOTED)
48"	\$ ^m	SINGLE POLE SWITCH - MOMENTARY STYLE. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.		CB	ENCLOSED CIRCUIT BREAKER
48"	\$ ^P	SINGLE POLE SWITCH - PILOT LIGHT. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.			DISTRIBUTION PANELBOARD - 208/120V (SEE PANEL SCHEDULES FOR DETAILS)
48"	\$ ^K	SINGLE POLE SWITCH - KEY OPERATED. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.			DISTRIBUTION PANELBOARD - 480/277V (SEE PANEL SCHEDULES FOR DETAILS)
48"	\$D	0-10V DIMMER SWITCH. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.		(HP)	MOTOR - HORSE POWER AND EQUIPMENT SERVED AS NOTED ON PLANS
48"	\$ ³	3-WAY SWITCH. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.		<u>`</u>	EMERGENCY SHUTDOWN PUSHBUTTON
48"	 ≰ ⁴	4-WAY SWITCH MOUNT C/L UP 46" UNLESS OTHERWISE NOTED		AIM	FIRE ALARM ADDESSABLE INPUT MODULE
40"	¥	WALL OCCUPANCY SENSOR AND SWITCH COMBO, MOUNT C/LUP 46" UNLESS OTHERWISE NOTED	40"		
40		LIGHTING CONTROL WALL STATION MOUNT C/L LIP 46" LINE ESS OTHERWISE NOTED	40	FACP	
48	<u>\</u>	2 WAY HOUTING CONTROL WALL STATION, MOUNT C/L UP 46 UNLESS OTHERWISE NOTED.	48	FANN	
48"	<u> </u>	3-WAY LIGHTING CONTROL WALL STATION. MOUNT C/L UP 46 UNLESS OTHERWISE NOTED.			FIRE ALARM REMOTE ANNUNCIATOR
48"	<u>Ś</u>	4-WAY LIGHTING CONTROL WALL STATION. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.			FIRE ALARM PULL STATION
	¢\$>	CEILING OCCUPANCY SENSOR AND POWER PACK. PROVIDE NUMBER OF POWER PACKS REQUIRED	94"	A	FIRE ALARM ANSUL PULL STATION
		TO ALLOW FOR NUMBER OF OCCUPANCY SENSORS AND SWITCHING SHOWN	94"	×	FIRE ALARM SPEAKER STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
	€ \$	DAYLIGHT HARVESTING SENSOR - CEILING MOUNTED.	94"		FIRE ALARM HORN STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
	BATT	EXTERNAL LIGHTING BATTERY / INVERTER UNIT. CEILING OR WALL MOUNTED - SEE DRAWINGS.	94"	M	FIRE ALARM STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
	LC	LIGHTING ZONE CONTROLLER. MOUNTED ABOVE ACCESSIBLE CEILING.	94"	Ξ	FIRE ALARM HORN
	LV-XX	LIGHTING CONTROL RELAY PANEL.		S	FIRE ALARM SPEAKER
	тс	TIME CLOCK LIGHTING CONTROL UNIT.		RT	FIRE ALARM REMOTE TEST STATION
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - CEILING MOUNTED			
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - WALL MOONTED C/L OF 18 ABOVE DOOR			
					FIRE ALARM SYSTEM TAMPER SWITCH
		SURFACE LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		QX	FIRE ALARM SPEAKER STROBE - CEILING MOUNTED (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT INDICATED)
	•	PENDANT LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		\Ø	FIRE ALARM HORN STROBE - CEILING MOUNTED (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT INDICATED)
	⊢-●1	STRIP LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.			FIRE ALARM STROBE - CEILING MOUNTED (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT INDICATED)
		1 x 4 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		GD	FIRE ALARM SYSTEM GAS DETECTOR (CEILING)
	0	2 x 4 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		\odot	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR (CEILING)
	0	2 x 2 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		HD	FIRE ALARM SYSTEM HEAT DETECTOR (CEILING)
AS NOTED	 	WALL PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		3	FIRE ALARM SYSTEM SMOKE DETECTOR (CEILING)
AS NOTED	<u></u> ਉ	SCONCE LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.			FIRE ALARM SYSTEM SMOKE DETECTOR (DUCT)
90"	$\overline{\mathbb{A}}$	EMERGENCY BATTERY PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.		 ©	SPEAKER - CEILING MOUNTED
90"	<u>حمہہ</u>	EMERGENCY BATTERY REMOTE HEAD(S) - SINGLE OR DOUBLE AS SHOWN		L M	
				<u> </u>	
0.4"		STE LIGHTING FOLE FIXTORE - SEE LIGHTING FIXTORE SCHEDULE.		<u> </u>	VOICE AND DATA OUTLET. MOUNT AT MATCHING HEIGHT AS RECEPTACLE UNLESS OTHERWISE NOTED
24"	<u>Ψ</u>	STANDARD DUPLEX RECEPTACLE, WALL MOUNTED UNLESS NOTED WITH "C" FOR CEILING MOUNTING.		KI AC	VOICE AND DATA OUTLET - ABOVE COUNTER.
		STANDARD DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.		۲. Kiw	WALL PHONE OUTLET. COORDINATE MOUNTING HEIGHT WITH PHONE UNIT
	₩ ^{AC}	GFCI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.		Ир	PAGING SYSTEM OUTLET. COORDINATE MOUNTING HEIGHT WITH PAGING UNIT
24"	<u> </u>	GFCI DUPLEX RECEPTACLE		M	AV OUTLET - MOUNTING HEIGHT AS NOTED ON PLANS
24"	•	ISOLATED GROUND DUPLEX RECEPTACLE.			DATA FLOOR BOX
24"	ФUSB	DUPLEX / USB RECEPTACLE.		φ	SYSTEMS JUNCTION BOX - WALL
24"	Фwр	WEATHER PROOF DUPLEX RECEPTACLE.		ТС	TIME CLOCK
24"	₩	STANDARD DOUBLE DUPLEX RECEPTACLE			SECURITY CONTROL PANEL
	⊕ AC	STANDARD DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.	48"		PUSHBUTTON
	AC	GECI DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.			INTERCOM
24"			10"		
24"			40	REX	
24				<u>KP</u>	
24"				DC	DOOR CONTACTS
24"		WEATHER PROOF DOUBLE DUPLEX RECEPTACLE.		ML	MAGNETIC LOCK
24"	<u> </u>	STANDARD SIMPLEX RECEPTACLE.	48"	ES	ELECTRIC STRIKE
24"	Ψ EWC	STANDARD SIMPLEX RECEPTACLE SERVING WATER COOLER.		CR	CARD READER
AS NOTED	φ	SPECIAL RECEPTACLE - COORDINATE NEMA CONFIG. AND MTG HEIGHT WITH EQUIP UNLESS OTHERWISE NOTED.		\square	WIRELESS ACCESS POINT
		FLOOR RECEPTACLE. (DUPLEX SHOWN)		Ø	NURSE CALL DOME LIGHT - CEILING MOUNTED (LAMPS AS INDICATED ON PLANS)
	0	CEILING RECEPTACLE. (DUPLEX SHOWN)		Ø	NURSE CALL DOME LIGHT - WALL MOUNTED (LAMPS AS INDICATED ON PLANS)
	h	SAFETY DISCONNECT SWITCH (FUSED) - COORDINATE FUSES WITH EQUIPMENT FURNISHED.		+	NURSE CALL EMERGENCY STATION
		SAFETY DISCONNECT SWITCH (NON-FUSED)			NURSE CALL CODE BLUE EMERGENCY STATION
	 •	MOTOR RATED SWITCH, VOLTAGE/AMPS AS REQUIRED FOR APPLICATION		<u> </u>	
	<u>φ</u> Τ α	MOTOR RATED SWITCH WITH TIMED 0.60 MIN PANCE VOLTAGE/AMPS AS DECURED FOR ADDUCATION			
	\$ 0	MOTOR RATED SWITCH WITH THERAL OVERLOAD PROTECTION VOLTAGE/ANDRA OR REQUIRED FOR APPLICATION.		Y	
	<u> </u>	MUTUR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION. VOLTAGE/AMPS AS REQUIRED FOR APPLICATION.		+ () () () () () () () () () ()	
		KEFRIGERATION SYSTEM CASE / COOLER RELAY.			ICCTV CAMERA
	С	BUZZER - 24VAC - MOUNT AT 7'-6" AFF. GRANGER #3ZR09 WITH ELEC PWR XFMR, 120VAC PRI, 24VAC SEC, #4X743.			CCTV CAMERA WITH PAN/TILT DRIVE

DTOR, MOTORIZED	SYM	SYMMETRICAL
RMALLY CLOSED	SYS	SYSTEM
TIONAL ELECTRICAL CODE	TEL	TELEPHONE
TIONAL ELECTRICA MANUFACTURER'S	TI	TWIST LOCK
SOCIATION	TR	TAMPER RESISTANT
TIN CONTRACT	T-STAT	THERMOSTAT
SHTLIGHT	TV	TELEVISION
	TVSS	TRANSIENT VOLT SURGE SUPRESSOR
TTO SCALE	TVP	
ASE		
	056	
	UTIL	
WER ROOF VENTILATOR	UV	ULTRAVIOLET
	V	VOLT
LYVINYL CHLORIDE (CONDUIT)	VA	VOLT-AMPERES
WER	VERI	VERTICAL
ANTITY	VFD	VARIABLE FREQUENCY DRIVE
CEPTACLE	VOL	VOLUME
QUIRED	W	WATT
OM	W/	WITH
GID STEEL CONDUIT	WG	WIRE GUARD
OF TOP UNIT	WH	WATER HEATER
RFACE CONDUIT	W/O	WITHOUT
CONDARY	WP	WEATHERPROOF
EET	XFMR	TRANSFORMER
/ILAR	XP	EXPLOSION PROOF
ECIFICATION	Ζ	ANGLE
EAKER	@	AT
ARE	$\breve{\Delta}$	DELTA
RGE PROTECTION DEVICE	Y	WYE
AINLESS STEEL		FEET
OP/START PUSHBUTTONS	"	INCHES
ATION	#	NUMBER
ANDARD	Ø	PHASE
/ITCH	õ	CENTER LINE
ITCHBOARD	₽ ₽	PLATE

Harriman

YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY TOILET TRAILER

YARMOUTH, MAINE	
Harriman Project No.	23189



ELECTRICAL SYMBOLS AND ABBREVIATIONS

E00-1



- **GENERAL NOTES**
- 1 ALL COMMUNICATION AND POWER WIRING SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE. PROVIDE MINIMUM 24" SEPARATION BETWEEN POWER AND COMMUNICATION WIRING.
- 2 THE WELL IS A CLASS 1 DIVISION 1 ENVIRONMENT. ALL WORK IN THIS AREA SHALL BE IN ACCORDANCE WITH NEC ARTICLE 500. INSTALL CONDUIT SEALS IN ACCORDANCE WITH NEC REQUIREMENTS ON ALL CONDUIT FEEDS TO SUBMERSIBLE PUMP WELL.
- 3 FIELD VERIFY LOCATIONS OF JUNCTION BOXES AND SEAL MONITOR ENCLOSURES AT WELL WITH ENGINEER PRIOR TO INSTALLATION.
- 4 SEE SPECIFICATION 333300 FOR PUMP STATION CONTROL PANEL DETAILS.
- 5 EXISTING SUBPANEL IS 125A, 240/240V SINGLE PHASE (GENERAL ELECTRICAL A-SERIES PANELBOARD AQF1241MB) LOCATED ADJACENT TO THE MAIN DISTRIBUTION PANEL INSIDE OF EXISTING MECHANICAL BUILDING. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING SUBPANEL TO SUPPORT INSTALLATION OF PUMP CONTROL PANEL AND ANCILLIARY EQUIPMENT. CONTRACTOR TO TEST SYSTEM AND CONFIRM FUNCTIONALITY WITH CLIENT/ENGINEER PRIOR TO PROJECT TURNOVER.

KEY NOTES

P01 FOOTPRINT OF PROPOSED FUTURE CONCESSIONS BUILDING (NOT IN SCOPE).
P02 PROVIDE (3)#12AWG AND (1)#12AWG GROUND IN 1" RGS, AND (1) 1" RGS CONDUIT FOR INSTRUMENTATION CABLES FROM SUBMERSIBLE PUMP STATION CONTROL PANEL TO SUBMERSIBLE PUMP. PROVIDE UNISTRUT ASSEMBLY ATTACHED TO EXISTING CONCESSIONS BUILDING FOR PUMP CONTROL PANEL AND (2) JUNCTION BOXES: ONE NEMA 3R JUNCTION BOX FOR TERMINATION OF PUMP POWER CABLES AND PUMP SEAL LEAK/HIGH TEMP SIGNAL WIRING, AND ONE NEMA 3R JUNCTION BOX FOR TERMINATION OF SUBMERSIBLE PUMP INSTRUMENTATION CABLES. CONDUIT TO BE DIRECT BURIED.

Harriman

YARMOUTH SCHOOL DEPARTMENT PUMP STATION FOR TEMPORARY TOILET TRAILER

YARMOUTH, MAINE		
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Graphic Scale

ELECTRICAL SITE PLAN

E80-1