CORPS OF ENGINEERS

U.S. ARMY

3" GALV. RIGID CONDUIT, COAT & COATS ASPHALT VARNISH.

REMOVE EXISTING CONDUIT TO BLDG. 1505.

BARRICADE

SEE NOTE (12)

EXIST. 6" & 4" CONDUIT TERMINATE EXIST. ELECTRICAL WIRES IN JUNCTION BOX FOR FINAL CONNECTION BY USING BRANCH

EXISTING 1½" CONDUIT

EXISTING 4" CONDUIT

1" CONDUIT

CAP

EXISTING CONDUIT FROM #1501 TO BE MAINT.

SEE NOTE (12)

6"

30"

RAMP

APPROX. 65'-0"

MOUNT 8'-0" ABOVE GRADE, HINGED COVER 2" TOP, PROVIDE MOUNTING BRACKETS

RUN FOLLOWING CABLES: #2 AWG, COPPER, STRANDED, VINYL INSULATED, (19 X 29), 0.U. SHIELDED. USE "SECOAL" #2870. CT. NO. 16 AWG. COPPER SHIELD, #20 (19 X 32) LINE "SECOAL" CAT.# 8750. CONNECT TO TERMINAL BLOCK (MARK & IDENTIFY) (BOTH ENDS)

⚠ DETAIL "C"
NOT TO SCALE

RAISE EXISTING ELECTRICAL AND TELEPHONE WIRES TO PROVIDE MIN. 15' CLEARANCE OVER EMBANKMENTS.

3'-0"

TOP SOIL

1:5

1

APPROX. 46'-0"

⚠ CROSS SECTION of BARRICADE

DRAINAGE DITCH

WOODED BRUSH & SOME TREES

EXIST. DIRT ROAD

EXIST. 35'-0" POLE & WIRES TO REMAIN.

EXISTING CONDUITS TO REMAIN.

GRAVEL ROAD

W METER.

CONTRACT LIMIT LINE

JCT. BOX SEE DETAIL "C"

CLEAR AND GRUB

WOOD WALK (3.0' WIDE)

CONC. WALK (8.0' WIDE)

LIGHT POLE

RELOCATE 15" AIR LINE THRU CABLE SLEEVE W/ NEW 12" GALV. PIPE.

REMOVE EXISTING CONDUIT

NEW 24" R.C.P.

NEW 24" E.C.P.

SEE NOTE (1)

SEE NOTE (2)

SEE NOTE (3)

SEE NOTE (4)

SEE NOTE (5)

SEE NOTE (6)

SEE NOTE (7)

SEE NOTE (8)

SEE NOTE (9)

SEE NOTE (10)

SEE NOTE (11)

SEE NOTE (12)

SUPERNOTE (1)

SUPERNOTE (2)

INV. 24" CONC. 873.9

INV. 24" CONC. 874.5

INV. 12" CON. 876.3

INV. 12" CON. = 875.8

INV. 24" = 875.3

INV. 18" CON. 875.6

INV. 12" CON. 877.0

INV. 12" CON. 887.8

INV. 12" = 884.1

INV. 18" = 884.6

INV. 12" = 885.4

INV. 18" = 886.0

INV. 30" CONC. 883.2

INV. 30" CONC. 883.6

INV. 18" 878.5

DRAINAGE DITCH

STEAM BOX

JCT. BOX SEE DETAIL "C"

EXIST. 8' CONC. WALK

NEW RETAINING WALL

STONE WALL

WOOD WALK

BARRIER EDGE

CONTRACT LIMIT LINE

EARTH EMBANKMENT

TOP OF EMBANKMENT

1505 C 1 ST. FR. P. PL. # 876.6

1505 1 ST CON 887.7 TOP ROOF

1505 A 891.0 TOP ROOF

1505 B 891.8 TOP ROOF

1505 A 872.1 TOP ROOF

TRAILER

TRAILER

HOUSE MASSAGE

MAC.

1 ST. FR.

MACADAM

CONC. SURFACE

CONCRETE SURFACE

THRUST STANDS

PROVIDE GRAVEL FILL IN SHADED AREA

EXIST. CABLE JCT BOX

NEW CATCH BASIN WITH C.I. GRATING

NEW 15" R.C.P.

PROVIDE DRAINAGE SWALE

MACADAM

CONC. 1 ST. FR.

CONC. BAY

CONCRETE

100# STAND

SPRINKLER.

GRAVEL ROAD

CLEAR AND GRUB

WOODED

WOOD WALK

CONC. WALK

CONC. PAD

GRAVEL ROAD

MACADAM

WOOD WALK

CONC. PAD

NOTES:

(1) INSTALL NEW 40 FT. CLASS 4 POLES COMPLETE W/ SECONDARY RACK AND GUY. RELOCATE EXISTING 120V. ELECTRIC AND TELEPHONE WIRES TO NEW POLES. REMOVE OLD POLES.

(2) REMOVE APPROXIMATELY 140 FT OF EXISTING STEAM LINE. CAP REMAINING EXISTING LINES.

(3) PROTECT EXISTING WATER LINES & HYDRANT. TURN HYDRANT BARREL TOWARD NEW ROAD & REPAIR LEAK.

(4) EXISTING CULVERT TO BE CONNECTED TO NEW 18" PIPE

(5) CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO PROTECT ALL EXISTING BUILDINGS, STRUCTURES, AND UTILITY LINES DURING CONSTRUCTION.

(6) REMOVE EXISTING PRI. LINE & RE PLACE W/ 2½" I/D POLYETHYLENE W.P. 1Ø, 120V. (GOV. WIRES, RE-RUN EXIST. COMMUNICATION WIRES TO CLEAR TOP OF BARRICADE.

(7) EXISTING RUBBER INSULATED SIGNAL CABLES. REMOVE EXISTING WOODEN SUPPORTS & RUN THRU EARTH BARRICADE ON CUSHION OF CLEAN FILL, FOR TEMPORARY USE.

(8) RELOCATED 25 KVA TRANS. 2400 V. PRI./120/240 SEC. WITH 1 - CUT-OUTS & LIGHTNING ARRESTERS, BOLT TO POLE, PROVIDE CROSS-ARMS, & 40FT. CLASS 4 POLE & GUY (SEE NOTE 11)

(9) INSTALL SALVAGED STUB WOOD POLE APPR. 3'-0" ABOVE GRADE, PROVIDE JCT. BOX, WATER TIGHT NEMA 4, 30"x 20"x 8" WITH GASKETED HINGED COVER LIKE "HOFFMAN" CAT.# A 30H20B, INSTALL 10 TERMINAL BLOCKS WITH 12 CONTACTS LIKE "CINCH-JONES" TYPE 12-141 RAISED FROM BOTTOM & PROVIDE SPADE TYPE SOLDERLESS TERMINAL FOR EACH CONTACT.

(10) JUCT. BOX, WATER TIGHT, NEMA 4, 30"x 20"x 8" WITH GASKETED HINGED COVER LIKE "HOFFMAN" CAT. # A 30H20B. PROVIDE LIQUID-TIGHT UNION HUBS FOR CONDUITS. INSTALL 10 TERMINAL BLOCKS WITH 12 CONTACTS LIKE "CINCH-JONES" TYPE 12-141 RAISED FROM BOTTOM & USE SPADE TYPE SOLDERLESS TERMINAL FOR EACH WIRE.

(11) EXISTING POLE, REMOVE, RELOCATE EXIST. 25 KVA. TRANS. WITH FUSE CUT-OUTS & LIGHTNING ARRESTORS PER NOTE 8.

2" COMPACTED THICK NESS 3/4" ROAD STONE & SCREENINGS

4" COMPACTED THICKNESS 2½" ROAD STONE

COMPACTED EARTH SHOULDER SWALE

COMPACTED SUB-BASE

12'-0"

5'-0"

2/29 ROAD SECTION
SCALE: 3/8" = 1'-0"

3G" SPAN CORR. PLATE ARCH-8 GA., ASPHALT COATED, OR ONE HALF OF 36" DIA. REINF. CONC. PIPE: COVER EXIST. UTIL. & ELEC. CABLES

2"x2"x¼" STEEL ANGLES

Conc. Slab

54"

4 x 4 NR GA. ELEC. WELDED WIRE FABRIC

1/29 CABLE SLEEVE

4

1

2'-0"

⚠ 3/29 TYPICAL SWALE SECT.
SC. 3/8" = 1'-0"

3'-0"

ELEV. TOP 893

1.5

1

CONTRACT LIMIT LINE

EARTH EMBANKMENT

REPEAT THIS SIDE

6'-0"

6'-0"

1'-1"

REINF. - SEE SECTION A

REINF. - SEE SECTION B

PARTIAL ELEV. RETAINING WALL (1 REQ'D)
SCALE: 3/8" = 1'-0"

RETURN TO LINE OF FOOTING

PARTIAL PLAN

5" MIN

(H) #4 @ 12"

(F) #4 15'-10" @ 12"

27 #4 @ 12" (L)

#5 15'-10" @ 22" (M)

2" CLEAR

1" CLEAR

GRADE

12"

#5 6'-0" @ 22" (N)

CRUSHED STONE DRAINAGE FILL, LOOSE OR IN NYLON BAGS, AT WEEP HOLES

#5 6'-0" @ 11" (Q)

1½" DIA WEEP HOLES @ 5'-0" O.C.

16'-0"

4'-0"

1'-5"

4'-11"

12'-2"

#5 5'-9" @ 5½" (P)

#6 - 6'-10" @ 16½" (O)

16 4'-8" @ 5¼" (T)

3'-8"

8'-6"

3'-2"

SECTION A

8" MIN.

(F) #3 5'-10" @ 12"

(H) 9 #3 12"

#3 5'-10" @ 16½" (M)

15 #3 @ 12" (L)

1" CLEAR

2" CLEAR

#3 4'-6" @ 11" (N)

9'-0"

1'-1"

2'-7"

#4 3'-3" @ 11" (P)

(Q) #3 - 3'-10" @ 16½"

#3 2'-10" @ 5½", 11" (T)

2'-4"

4'-9"

1'-9"

SECTION B

⚠ SITE PLAN
SCALE 1" = 20'-6"

GENERAL NOTES:

CLEAR AND GRUB AREAS WHERE NEW BARRICADES OCCUR

SHAPE ALL NEW GRADES FOR DRAINAGE

⚠ LEGEND:

EXISTING CONTOUR LINE

NEW CONTOUR LINE

RECORD DRAWING

OF WORK AS BUILT

Colonel C.E. District Engineer

1500 Area

REVISION	DATE	DESCRIPTION	BY
	9 MAY 1965	RECORD WORK AS BUILT NO CHANGE	
⚠ 2	21 SEP 64	ADDED TO NOTE 8 AND 1	R.J.V.
⚠ 1		GENERAL REVISIONS BY PICATINNY ARSENAL	L.R.

TECTONIC ASSOCIATES
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SOMERVILLE, NEW JERSEY

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NEW YORK 3, NEW YORK

DRAWN BY: E J

DESIGNED BY: T C

SUBMITTED: ARCHITECT - ENGINEER

REVIEWED: CHIEF, DESIGN BRANCH

APPROVED: DEPUTY CHIEF, ENGINEERING DIVISION

RECOMMENDED: CHIEF, ENGINEERING DIVISION

APPROVED: COLONEL C. E., DISTRICT ENGINEER

DATE 31 MARCH 1964

PICATINNY ARSENAL
RDT & E MINOR CONSTRUCTION PROGRAM
FY-1964
SITE PLAN, DETAILS
ROCKET TEST AREA, EARTH BARRICADES
DOVER NEW JERSEY

SCALE AS SHOWN

DRAWING NUMBER
SHEET 29 OF 30

FILE NO. 7522-3211

REVIEWED: FIRE PREV. & PROTECTION BR. — V. W. Brown, CHIEF

APPROVED: CONTAMINATION BR.

APPROVED: SEC. & FIRE CHIEF

SUBMITTED: PLANT ENGR. DIV. CHIEF R. H. Holmes

APPROVED: A.E.D. DIRECTOR H. H. Olsen

APPROVED: SAFETY DIV. CHIEF R. E. Young

APPROVED: COL. ORD CORPS U. S. A. COMMANDING

5 Mar 64

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