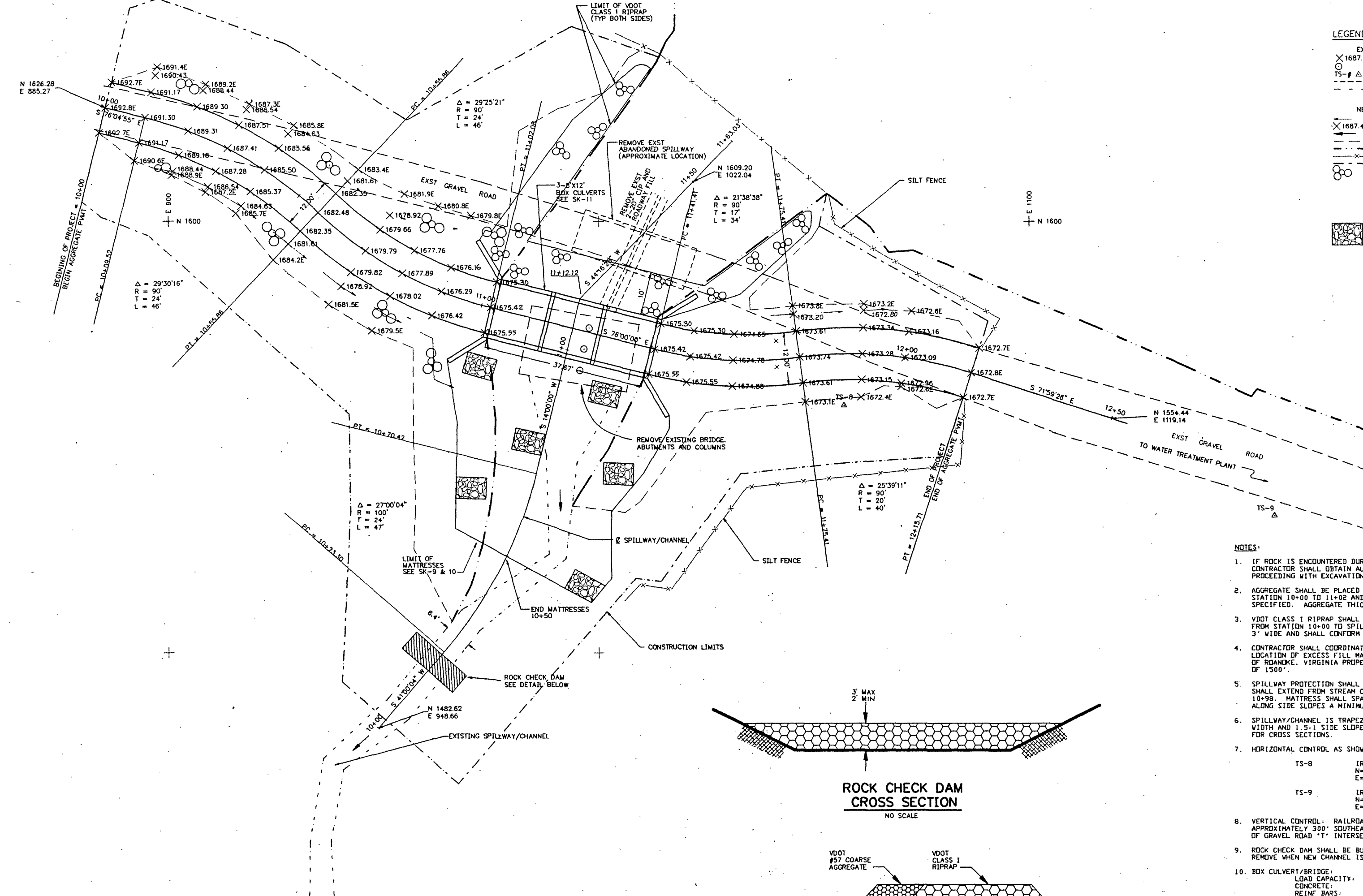
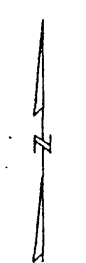
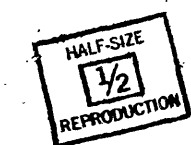
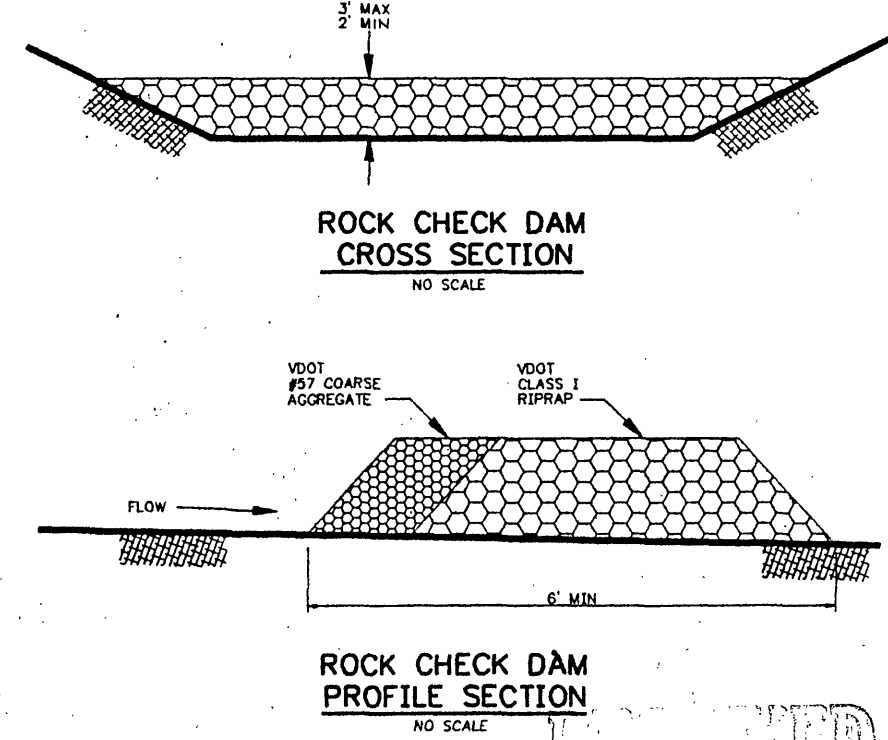




LEGEND	
EXISTING	ELEVATION
X 1687.3E	PIER
TS-#	FIELD SURVEY TRAVERSE POINT
---	ROAD/CULVERT/BRIDGE
---	STREAMLINE
NEW	
X 1687.41	DITCH LINE
---	ELEVATION
---	FLOWLINE
---	SLOPE STAKE LINE
---	STREAMLINE
---	SILT FENCE
---	CONSTRUCTION LIMITS
○	VDOT CLASS I RIPRAP
■	MATTRESSES

- NOTES:
- IF ROCK IS ENCOUNTERED DURING SPILLWAY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM ENGINEER BEFORE PROCEEDING WITH EXCAVATION.
 - AGGREGATE SHALL BE PLACED FULL ROADWAY WIDTH FROM ROADWAY STATION 10+00 TO 11+02 AND FROM STATION 11+41 TO 12+16 AS SPECIFIED. AGGREGATE THICKNESS SHALL BE 6".
 - VDOT CLASS I RIPRAP SHALL BE USED IN ROADWAY CUT DITCHES FROM STATION 10+00 TO SPILLWAY. RIPRAP SHALL BE 18" THICK, 3' WIDE AND SHALL CONFORM TO THE SLOPE.
 - CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION OF EXCESS FILL MATERIAL, TO BE PLACED ONLY ON THE CITY OF ROANOKE, VIRGINIA PROPERTY AND TO BE HAULED A MAXIMUM DISTANCE OF 1500'.
 - SPILLWAY PROTECTION SHALL BE MATTRESS TYPE AS SPECIFIED AND SHALL EXTEND FROM STREAM CENTERLINE STATION 10+50 TO STATION 10+99. MATTRESS SHALL SPAN BOTTOM WIDTH OF SPILLWAY AND EXTENT ALONG SIDE SLOPES A MINIMUM OF 8' VERTICALLY FROM SPILLWAY INVERT.
 - SPILLWAY/CHANNEL IS TRAPEZOIDAL IN SHAPE WITH A VARIABLE BOTTOM WIDTH AND 1.5:1 SIDE SLOPES. SEE SK-9 FOR PROFILE. SEE SK-10 FOR CROSS SECTIONS.
 - HORIZONTAL CONTROL AS SHOWN ON PLAN:
TS-8 IRON PIN WITH CAP
N=1557.49
E=1057.16
TS-9 IRON PIN WITH CAP
N=1531.91
E=1156.79
 - VERTICAL CONTROL: RAILROAD SPIKE AT BASE OF 24" WHITE OAK APPROXIMATELY 300' SOUTHEAST OF EXISTING SPILLWAY, ON NORTH OF GRAVEL ROAD 'T' INTERSECTION. ELEV = 1676.13'.
 - ROCK CHECK DAM SHALL BE BUILT BEFORE EXCAVATION OF SPILLWAY. REMOVE WHEN NEW CHANNEL IS COMPLETE AND STABILIZED.
 - BOX CULVERT/BRIDGE:
LOAD CAPACITY: AASHTO HS20-44
CONCRETE: F'C = 4000 PSI
REIN. BARS: ASTM A615 GR60 DEFORMED
RIDING SURFACE: GROOVED TEXTURE CONFORMING TO VDOT CLASS 6, BRIDGE DECK FINISH



RECEIVED
JUN 21 91
OFFICE OF CITY ENGINEER
ROANOKE, VA 24011

REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED	EKL/JHM/RWF	FALLING CREEK WATER PLANT CITY OF ROANOKE, VIRGINIA. SPILLWAY MODIFICATIONS SITE PLAN		
DRAWN	JHM			
CHECKED	SHE/DHH			
APPROVED	JAP			
SUBMITTED	RBC			
HAYES, SEAY, MATTERN & MATTERN		SCALE	1"=10'	COMM NO
ARCHITECTS - ENGINEERS - PLANNERS		DATE	6-13-91	4296A
ROANOKE, VIRGINIA				SHEET SK-8