

TBM 21
CHISELED SQUARE ON SE CORNER OF EXISTING
CONCRETE STRUCTURE, 18' LT OF BL STA 228+45
EL 936.35

TBM DMP-18
R/R SPIKE IN POWER
POLE #278-1395 107' +/- RT
OF BASELINE STA 229+70 +/-
EL 937.44

APPROX. LOCATION WHERE
CULVERT INTERSECTS
BENCH CUT. SAWCUT AND
ADD RIPRAP.
SEE PL EC-4 & DL-3

NOTE: REMOVE ANY DEBRIS TRAPPED
UPSTREAM OF EXISTING UPPER LOW
WATER BRIDGE.

TBM DMP-19 (DESTROYED)
CHISELED SQUARE ON LEFT DOWNSTREAM CONC CURB
OF LOW WATER BRIDGE OVER ROANOKE RIVER
EL 926.73

US Army Corps
of Engineers
Wilmington District

SEWER MH
TOP EL 926.98

CONC
TOP EL 927.24

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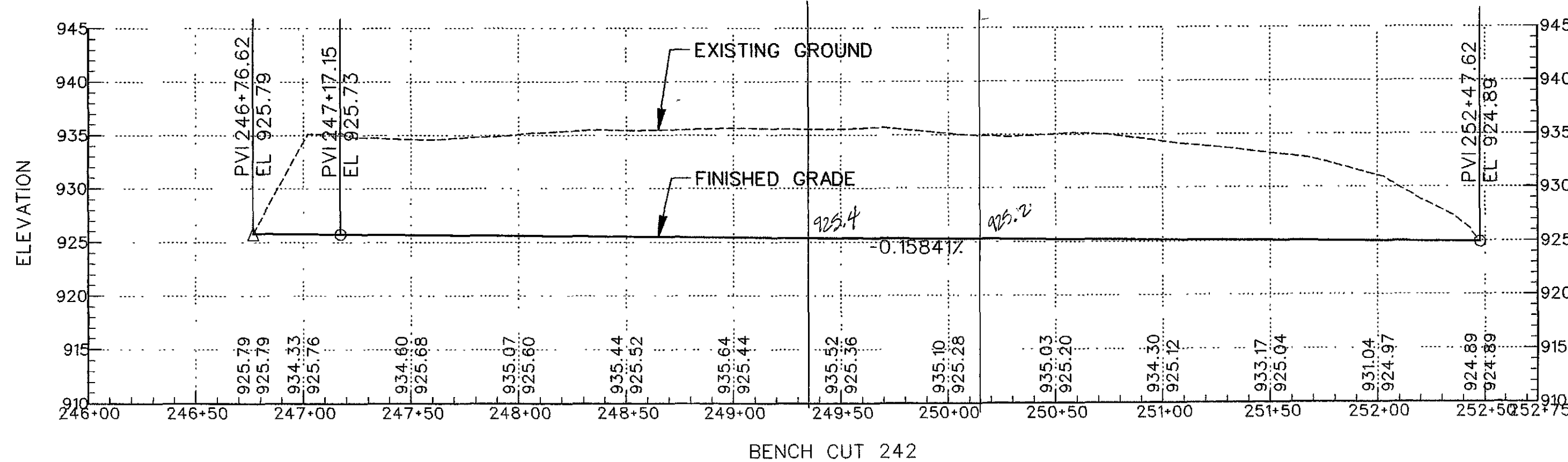
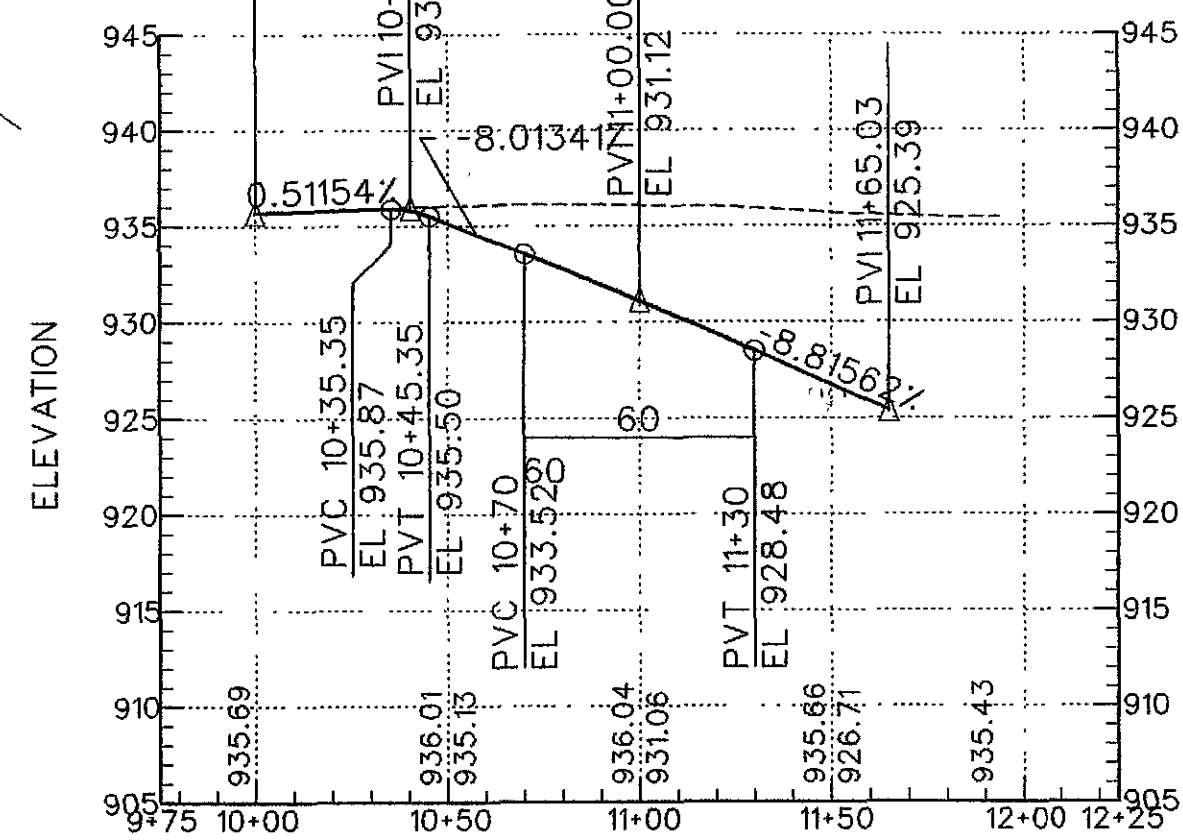
CONC
TOP EL 927.24

NOTE:
AS SOON AS PRACTICABLE AND PRIOR TO
COMMENCEMENT OF ANY CONSTRUCTION
WORK, THE CONTRACTOR SHALL FURNISH
AND ERECT TEMPORARY PROJECT SAFETY
FENCING 20 FEET FROM THE EDGE OF THE
BENCH CUT BACKSLOPE. THE SAFETY FENCING
SHALL BE A HIGH VISIBILITY ORANGE COLORED,
HIGH DENSITY POLYETHYLENE GRID OR APPROVED
EQUAL. SEE SPECIFICATIONS FOR ADDITIONAL
REQUIREMENTS.

SNAGGING AND DEBRIS REMOVAL NOTES:

1. SNAGGING AND DEBRIS REMOVAL ON LEFT BANK
BETWEEN STA 241+80 & 255+00. SNAGGING AND
DEBRIS REMOVAL ON RIGHT BANK BETWEEN
STA 241+80 & 242+60. SEE SNAGGING AND DEBRIS
REMOVAL NOTE 1 PLATE P-5.

2. SEE SNAGGING AND DEBRIS REMOVAL NOTE 2
PLATE P-5.



RAMP CENTERLINE				BASELINE			
PI STATION	NORTHING	EASTING	STATION	OFFSET			
10+00.00	3623177.7322	11059091.7730	231+54.65	9.13'	LT		
10+37.63	3623142.3730	11059078.8970	231+92.26	7.81'	LT		
11+13.64	3623068.8770	11059059.3460	232+68.20	11.94'	LT		
11+33.55	3623048.8800	11059059.6860	232+87.11	18.45'	LT		
11+53.55	3623028.8850	11059060.1530	233+05.99	25.07'	LT		

RIPRAP AT MAIN ST BRIDGE
BEG/END NORTHING EASTING STATION OFFSET
RT BEG 3624063.8780 11058887.0280 222+18.11 109.13' LT
RT END 3623877.3840 11059025.3200 224+44.21 104.50' LT
NOTE: OFFSET DIRECTION IS FROM FORWARD TANGENT
ALONG BASELINE

NOTE: OFFSET DIRECTION IS FROM FORWARD TANGENT
ALONG BASELINE
FOR CROSS SECTIONS SEE PL P-13 & P-14

BENCH CUT CENTERLINE				BASELINE			
PI STATION	NORTHING	EASTING	STATION	OFFSET			
242+50.89	3623894.7976	11059007.0352	224+19.38	99.92'	LT		
243+24.95	3623826.4680	11059035.5930	224+91.46	82.93'	LT		
243+70.85	3623788.7225	11059061.7132	225+37.35	81.92'	LT		
244+29.54	3623739.1180	11059093.0870	225+95.93	78.20'	LT		
245+74.24	3623617.4397	11059171.4067	227+40.41	70.18'	LT		
247+59.12	3623422.2230	11059138.9860	229+06.52	6.83'	LT		
249+63.44	3623224.1386	11059088.8843	231+10.32	7.87'	RT		
251+74.44	3623011.9960	11059082.5790	233+15.11	51.62'	LT		
252+47.62	3622938.9603	11059087.2102	234+34.66	57.49'	LT		

BENCH CUT CENTERLINE
PI 243+70.85
DEL = 2°22'15.92" RT
D = 4°00'00"
R = 1432.39'
T = 29.64'
L = 59.28'

PI 245+74.24
DEL = 42°11'49.85" RT
D = 15°30'00"
R = 369.65'
T = 142.63'
L = 272.24'

PI 249+63.44
DEL = 12°29'30.30" LT
D = 4°00'00"
R = 1432.39'
T = 156.77'
L = 312.29'

RAMP CENTERLINE
PI = 10+37.63
DEL = 5°06'44.86" LT
D = 8°00'00"
R = 716.18'
T = 31.97'
L = 63.91'

PI = 11+13.64
DEL = 15°52'14.18" LT
D = 114°35'29.61"
R = 50.00'
T = 6.97'
L = 13.85'

- NOTES:
1. SEE PLATE P-1 FOR LEGEND
 2. FOR BENCH CUT TYPICAL SECTIONS
SEE PLATE P-3.
 3. FOR RIPRAP TYPICAL SECTIONS SEE
PLATE P-4.
 4. FOR LANDSCAPING SEE PLATE LS-3.
 5. FOR UTILITY RELOCATION SEE
PLATES U-3 & U-4.
 6. FOR RIGHT OF WAY SEE PLATE RW-3.
 7. FOR SIGNING SEE PLATE TC-2.
 8. FOR EROSION & SEDIMENT CONTROL
SEE PLATE EC-4.
 9. FOR DEMOLITION SEE PLATE DL-3.

SCALE IN FEET
10 5 0 10 20FT
50 25 0 50 100FT
SCALE: 1"= 50' HORIZONTAL
SCALE: 1"= 10' VERTICAL

CONTRACT OPTION NO. 1

REVIEWED BY
Carol S. Quinn, PE
CHIEF DESIGN SECTION
DRAWING CODE
RMT02-03-06
FILE NAME: RMT0202-07.dgn
50

DESIGNED BY
DOR
CHK BY:
DATE:
10 MAR 2007

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

ROANOKE RIVER FLOOD REDUCTION PROJECT
BENCH CUTS 216 242 TRAINING WALL 208 AND TRAIL
SOUTH ROANOKE PARK TO HOSPITAL PEDESTRIAN BRIDGE
ROANOKE RIVER BASIN, ROANOKE, VIRGINIA
BENCH CUT 242
PLAN & PROFILE
BEGIN 242+74 TO END 252+44

PLATE
NUMBER
P-7
SHEET 9 OF 98

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