

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	28
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	54
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	604
20300100	CHANNEL EXCAVATION	CU YD	1,687
20400800	FURNISHED EXCAVATION	CU YD	1,194
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	85
28000305	TEMPORARY DITCH CHECKS	FOOT	80
28000400	PERIMETER EROSION BARRIER	FOOT	1,842
28000500	INLET AND PIPE PROTECTION	EACH	3
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1,096
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	155.5
50300280	CONCRETE ENCASEMENT	CU YD	5.4
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	5,225
50800105	REINFORCEMENT BARS	POUND	14,000
50900205	STEEL RAILING, TYPE S1	FOOT	388
51201600	FURNISHING STEEL PILES HP12X53	FOOT	369
51201800	FURNISHING STEEL PILES HP14X73	FOOT	992
51202305	DRIVING PILES	FOOT	1,361
51203600	TEST PILE STEEL HP12X53	EACH	1
51203800	TEST PILE STEEL HP14X73	EACH	2
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	86
54205470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	32
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	506
X5021510	COFFERDAMS (SPECIAL)	EACH	2
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

*SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

GENERAL NOTES

WHERE SECTION OF SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL BE PROTECT AND CAREFULLY AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE AREA TO BE SEEDD SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY, AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) = 0.6 ACRE

ALL TREES BETWEEN THE LIMITS SHOWN WHICH INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED ONLY AS DIRECTED BY THE ENGINEER.

**20100500
TREE REMOVAL, ACRES**

RT. STA. 15+35.00 TO RT. STA. 16+93.00 = 0.1 ACRE
 TOTAL = 0.1 ACRE

**20100110
TREE REMOVAL (6 TO 15 UNITS DIAMETER)**

15.5' RT. STA. 11+30.00 = 8 UNIT
 18.5' RT. STA. 11+70.00 = 8 UNIT
 38' LT. STA. 15+55.00 = 12 UNIT
 TOTAL = 28 UNIT

**20100210
TREE REMOVAL (OVER 15 UNITS DIAMETER)**

34.5' LT. STA. 15+53.00 = 18 UNIT
 1' RT. STA. 15+55.00 = 18 UNIT
 28' RT. STA. 17+05.50 = 18 UNIT
 TOTAL = 54 UNIT

**28000250
28000305
28000400
28000500
TEMPORARY EROSION CONTROL**

THE FOLLOWING QUANTITIES ARE ESTIMATE ONLY. ACTUAL QUANTITIES FOR EROSION CONTROL WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND THERE WILL BE NO ADJUSTMENT IN ANY PRICE DUE TO A CHANGE IN PLAN QUANTITY

TEMPORARY EROSION CONTROL SEEDINGS = 85 POUND
 TEMPORARY DITCH CHECKS = 80 FOOT
 PERIMETER EROSION CONTROL BARRIER = 1,842 FOOT
 INLET AND PIPE PROTECTION = 3 EACH

**28000305
TEMPORARY DITCH CHECKS**

LT. STA. 11+00 = 20 FOOT
 LT. STA. 12+00 = 20 FOOT
 RT. STA. 12+00 = 20 FOOT
 RT. STA. 18+00 = 20 FOOT
 TOTAL = 80 FOOT

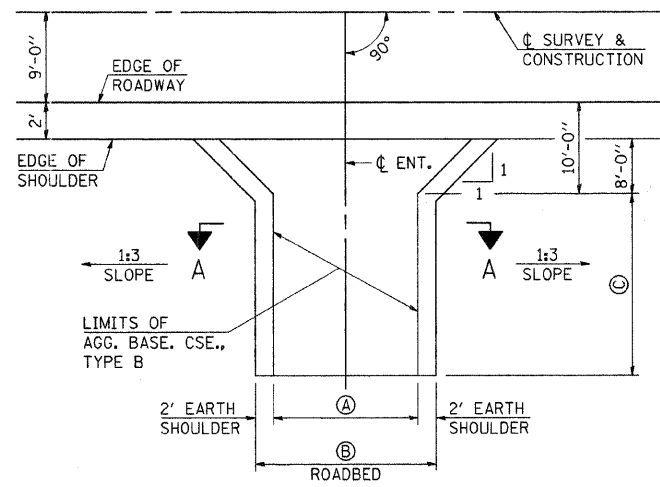
**28000500
INLET AND PIPE PROTECTION**

LT. STA. 12+76 = 1 EACH
 RT. STA. 17+78 = 1 EACH
 RT. STA. 19+08 = 1 EACH
 TOTAL = 3 EACH

APPLICATION RATES USED IN QUANTITY CALCULATIONS

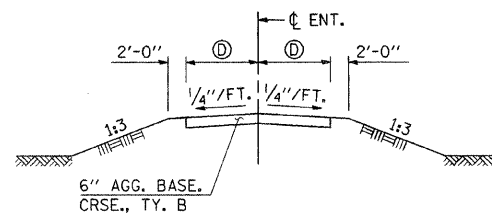
STONE RIPRAP (SPECIAL).....1.65 TON/CU YD
 AGGREGATE BASE, COURSE.....2.05 TON/CU YD

LOCATION	A	B	C	D
RT. STA. 9+95	16'-0"	20'-0"	1'-0"	8'-0"
LT. STA. 13+00	20'-0"	24'-0"	17'-6"	10'-0"
RT. STA. 17+29	12'-0"	16'-0"	19'-8"	6'-0"
RT. STA. 18+92	12'-0"	16'-0"	6'-9"	6'-0"

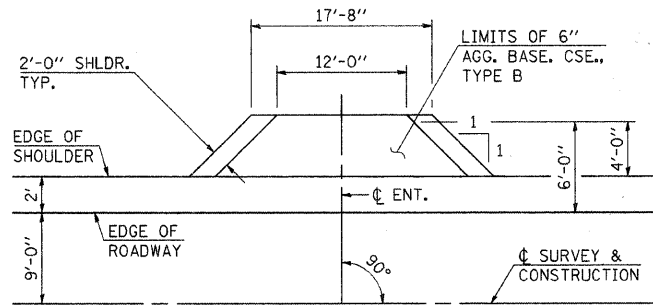


ENTRANCE DETAIL

RT. STA. 9+95
 LT. STA. 13+00
 RT. STA. 17+29
 RT. STA. 18+92

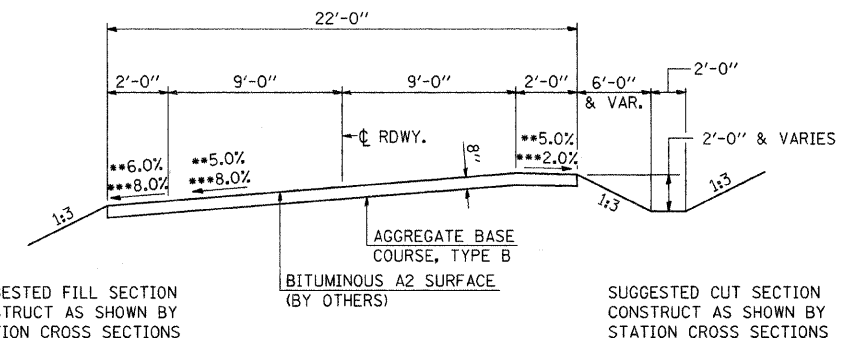


SECTION A-A



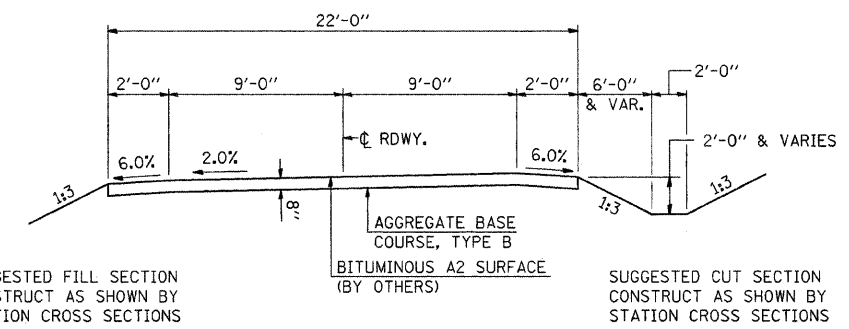
CEMETARY ENTRANCE DETAIL

LT. STA. 18+33.50



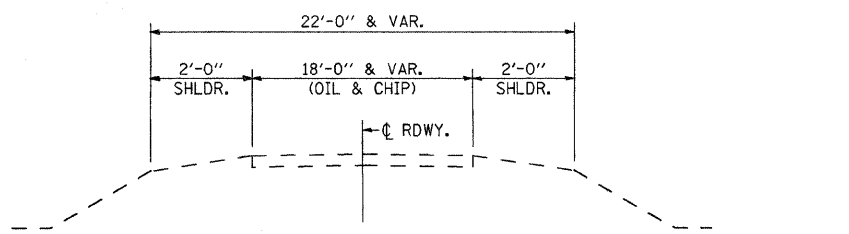
TYPICAL PROPOSED CROSS SECTION #1

TRANSITION EXISTING CROWN TO 5.0% S.E.
 STA. 9+50 TO STA. 10+87
 MAINTAIN S.E.
 **STA. 10+87 TO STA. 12+65
 ***STA. 16+97 TO STA. 18+85
 TRANSITION 8.0% S.E. TO EXISTING CROWN
 STA. 18+85 TO STA. 20+50
 TRANSITION FROM EXISTING ROADWAY WIDTH TO PROPOSED ROADWAY WIDTH
 STA. 9+50 TO STA. 10+00
 STA. 19+50 TO STA. 20+50



TYPICAL PROPOSED CROSS SECTION #2

TRANSITION 5.0% S.E. TO 2.0% S.E.
 STA. 12+65 TO STA. 13+06
 MAINTAIN S.E.
 STA. 13+06 TO STA. 15+90
 TRANSITION 2.0% S.E. TO 8.0% S.E.
 STA. 15+90 TO STA. 16+97



TYPICAL EXISTING CROSS SECTION