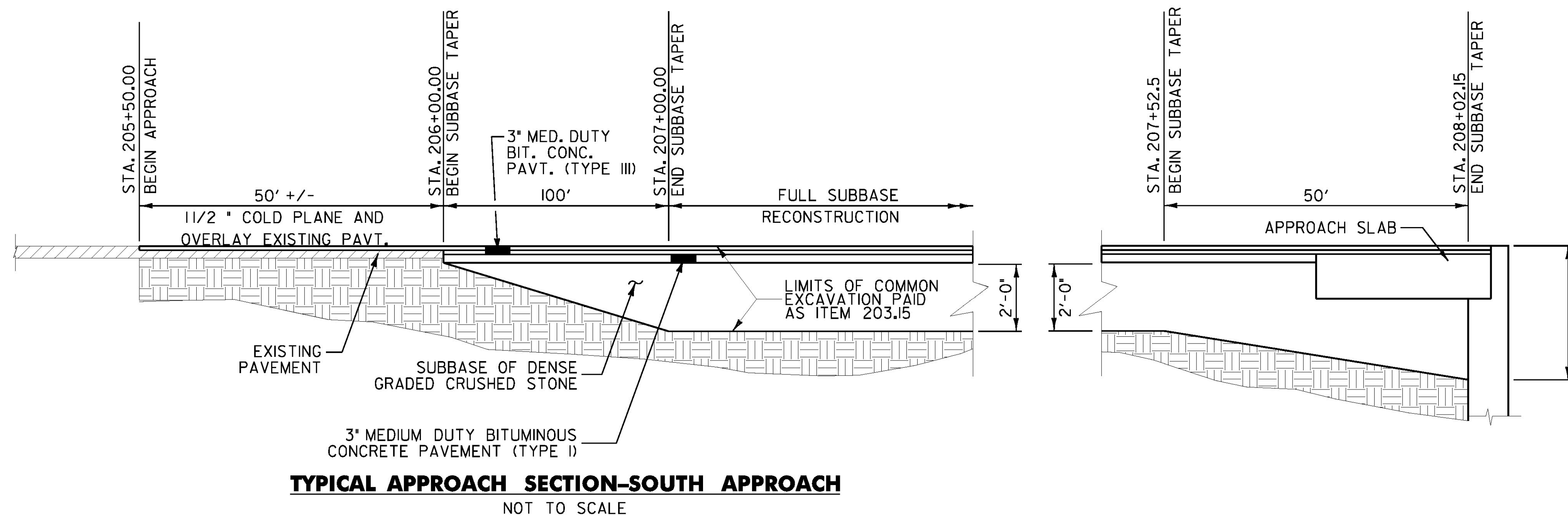
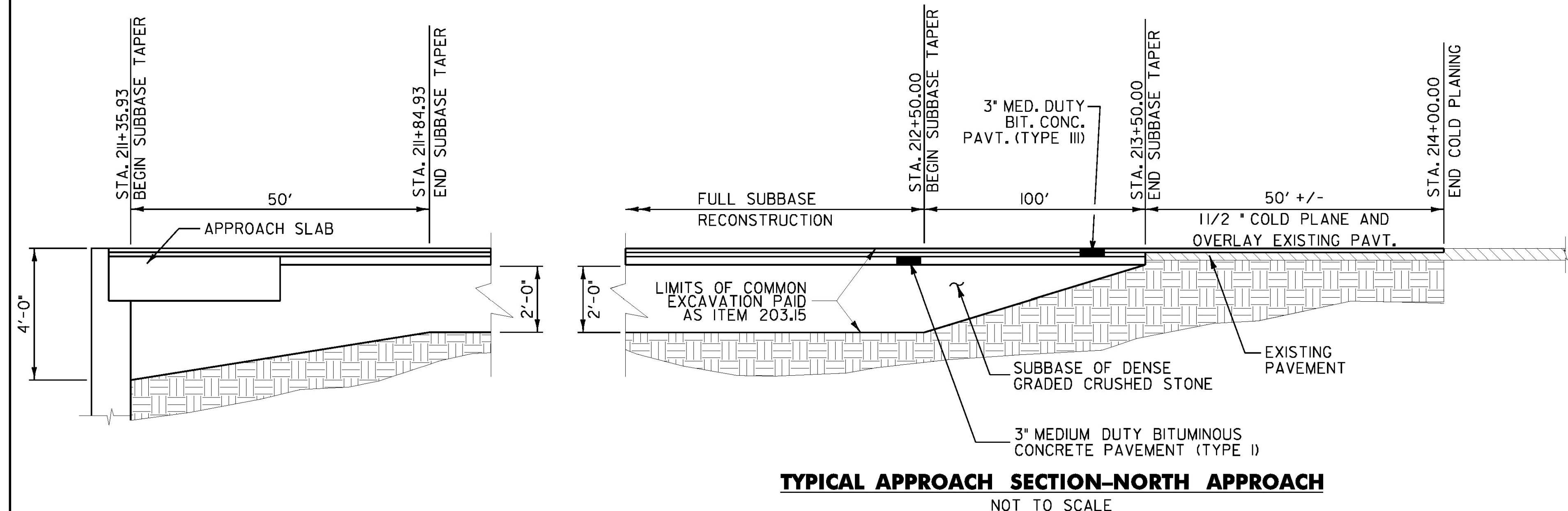
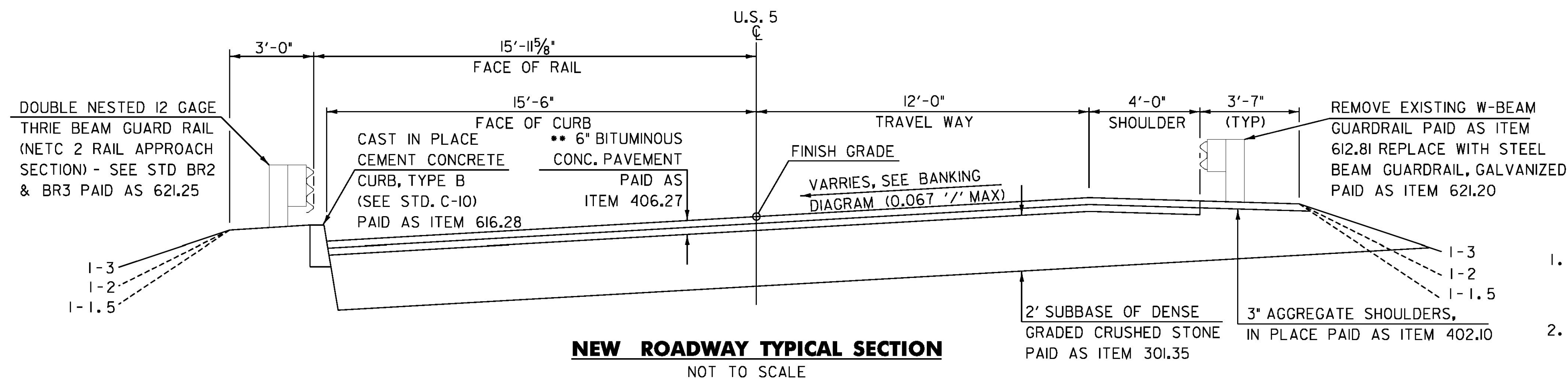


TYPICAL SECTIONS

- ** 3" MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (TWO 1 1/2" LIFTS - TYPE III)
- ** 3" MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE I)
- 24" SUBBASE OF DENSE GRADED CRUSHED STONE



MATERIAL ITEM THICKNESSES/TOLERANCE

BITUMINOUS CONCRETE PAVEMENT (TOTAL DEPTH)	+/- 1/4"
DENSE GRADED CRUSHED STONE	+/- 1"

SEEDING NOTES

URBAN MIX SEEDING FORMULA

% WT	LBS/A	NAME
37.5	45	CREEPING RED FESCUE
31.25	37.5	KENTUCKY BLUE GRASS
31.25	37.5	WINTER HARDY, PERENNIAL RYE
100	120	

CONSERVATION MIX SEEDING FORMULA

% WT	LBS/A	NAME
35	35	CREEPING RED FESCUE
23	23	KENTUCKY BLUE GRASS
15	15	ANNUAL RYE
11	11	WINTER HARDY, PERENNIAL RYE (VARIETY PENNFINE, MANHATTAN OR SIMILAR VARIETY)
6	6	WHITE CLOVER
10	10	HIGHLAND BENTGRASS
100	100	

- SEED MIXTURE IN LAWN AREAS AROUND DWELLINGS AND WITHIN STREET LIMITS SHALL BE URBAN MIX CONFORMING TO THE ABOVE TABLE. FOR SEEDING BETWEEN SEPTEMBER 1 AND OCTOBER 1, WINTER RYE SHALL BE USED IN ADDITION TO THE URBAN MIX AT AN APPLICATION RATE OF 100 POUNDS PER ACRE.
- SEED MIXTURE IN ALL OTHER DISTURBED AREAS SHALL BE CONSERVATION MIX CONFORMING TO THE ABOVE TABLE. FOR SEEDING BETWEEN SEPTEMBER 1 AND OCTOBER 1, WINTER RYE SHALL BE USED IN ADDITION TO THE URBAN MIX AT AN APPLICATION RATE OF 100 POUNDS PER ACRE.
- THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE FROM ALL NOXIOUS WEED SEED.
- SEED - TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER - FORMULA 19-19-19 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS/ACRE.
- AGRICULTURAL LIMESTONE - TO BE APPLIED AT A RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.
- EROSION MATTING - TO BE PLACED ON EARTH SLOPES WITH 1:3 SLOPE OR STEEPER AND IN ALL DRAINAGE DITCHES.
- HAY MULCH - TO BE PLACED ON ALL DISTURBED AREAS NOT REQUIRING EROSION MATTING AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL - TO BE USED WITH SEED, AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE PLACED AT 2" DEEP.

- NOTES**
- THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING BY THE USE OF A VERTICAL BUTT JOINT. SEE DETAIL ON TYPICAL SECTIONS - TEMPORARY DETOUR.
 - GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE VAOT RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 406.27.
 - EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF BITUMINOUS CONCRETE PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE VAOT RESIDENT ENGINEER. THIS WILL BE PAID FOR AS ITEM 404.65.
 - EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER, SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE VAOT RESIDENT ENGINEER. EXCAVATION WILL BE PAID INCIDENTAL TO ITEM 608.15 OR 608.25. MATERIAL REMOVED SHALL BE REPLACED WITH AGGREGATE SHOULDERS, IN PLACE ITEM 402.10 AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM PROJECT, AS DIRECTED BY THE VAOT RESIDENT ENGINEER.
 - ITEM 203.40 IS APPROPRIATE ONLY IN AREAS OF RETAINED GUARD RAIL.
 - COLD PLANE GRINDINGS MAY BE USED INSTEAD OF AGGREGATE SHOULDERS TO BACK UP THE NEW PAVEMENT OVERLAY AS DIRECTED BY THE VAOT RESIDENT ENGINEER. THIS WILL BE PAID UNDER ITEM 402.10.
 - AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL TERMINAL FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CY OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARD RAIL TERMINAL.

PROJECT NAME: PUTNEY
 PROJECT NUMBER: IM 091-1(31)
 FILE NAME: ...03 z93a148typ roadway.pxf PLOT DATE: 7/8/2009
 PROJECT LEADER: DRAWN BY: RAW
 DESIGNED BY: CHECKED BY:
TYPICAL SECTIONS - ROADWAY SHEET 3 OF 75

