

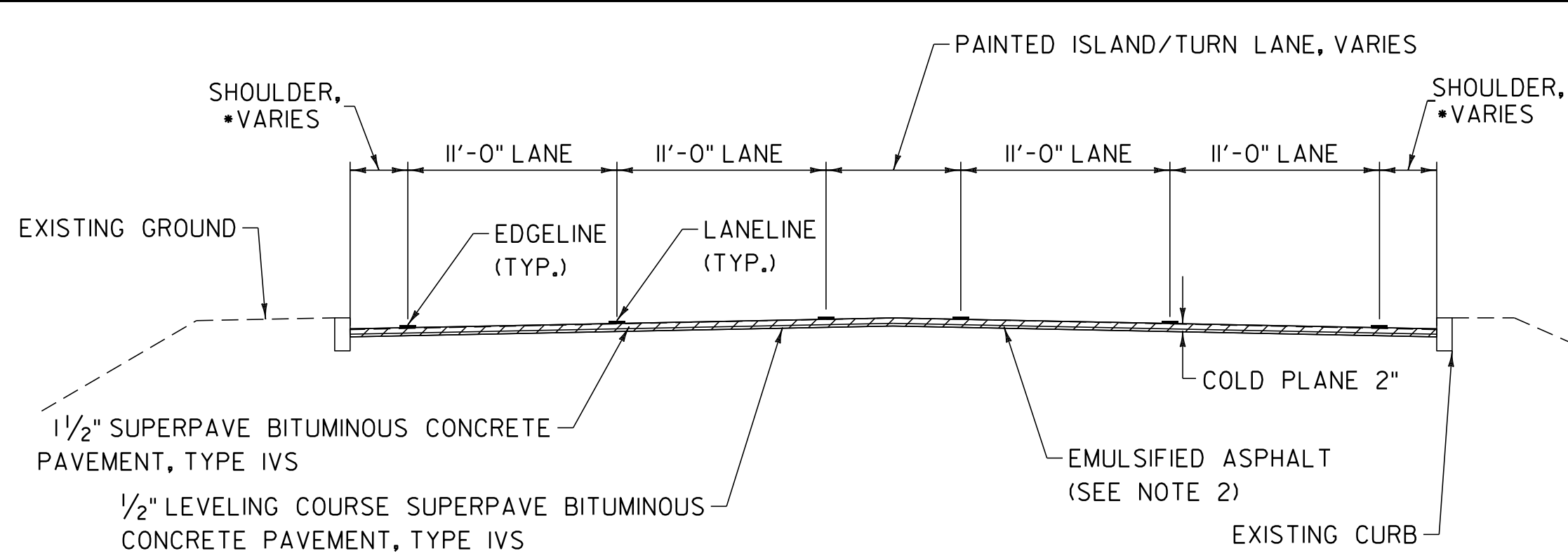
BITUMINOUS CONCRETE GUTTER DETAIL

LOCATIONS

AS INDICATED ON PLANS

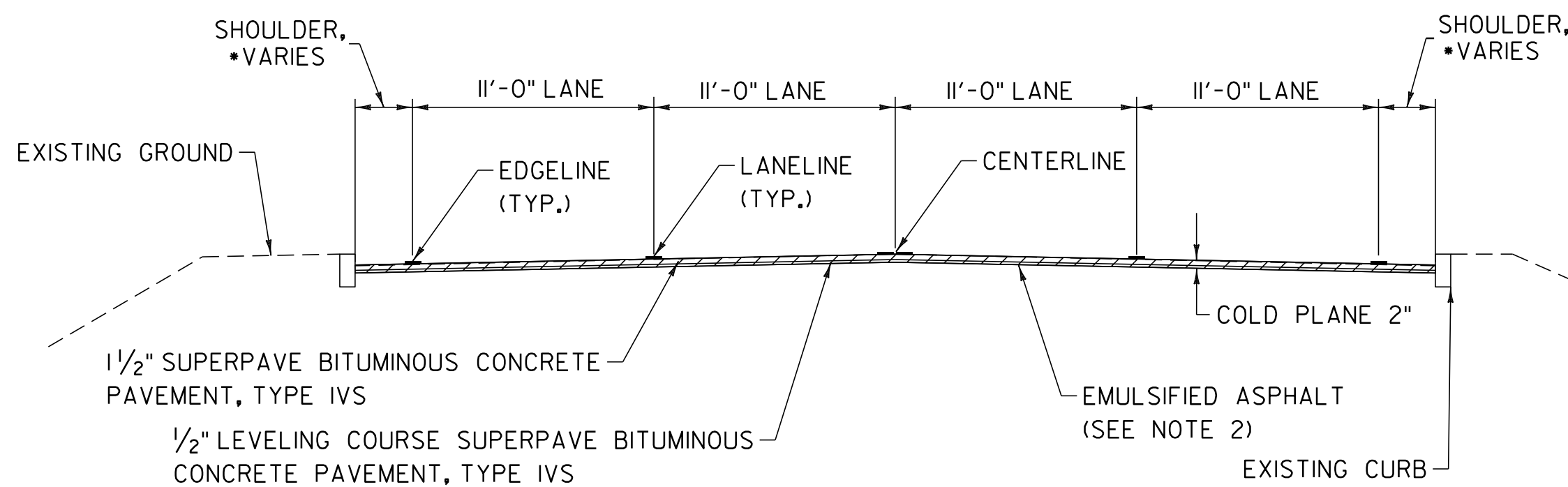
NOTES:

- EXISTING BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS SHALL BE REMOVED WHERE INDICATED ON THE PLANS AND PAID FOR UNDER ITEM 203.15 "COMMON EXCAVATION".
- THE BED UPON WHICH THE BITUMINOUS CONCRETE GUTTER OR TRAFFIC ISLAND WILL BE PLACED SHALL BE COMPACTED TO THE LINE, GRADE AND SLOPE AS DIRECTED BY THE RESIDENT ENGINEER.
- THE BITUMINOUS CONCRETE PAVEMENT SHALL BE LAID IN TWO COURSES, EACH COURSE SHOULD BE 1" DEEP AND ROLLED WITH A 150 POUND ROLLER.
- THIS WORK IS TO BE PAID FOR UNDER ITEM 616.47, "BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS". PAYMENT FOR SUBBASE MATERIAL WILL BE COVERED BY ITEM 301.26 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED".



COLD PLANE AND OVERLAY TYPICAL SECTION - PAINTED ISLAND

COLCHESTER
STA. 0+00.00 TO STA. 1+42.00
STA. 7+34.00 TO STA. 16+90.00

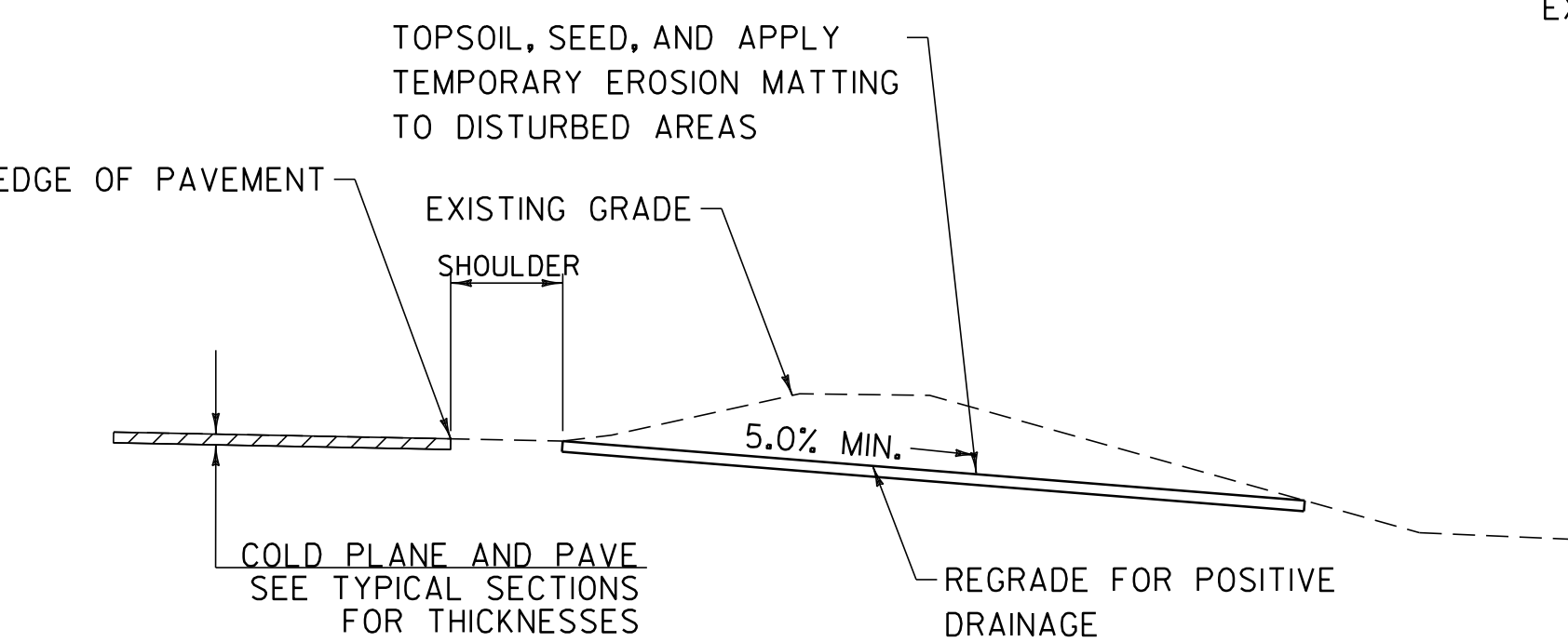


COLD PLANE AND OVERLAY TYPICAL SECTION

COLCHESTER
STA. 1+42.00 TO STA. 7+34.00
ESSEX
STA. 57+78.00 TO STA. 83+14.00

NOTES:

- THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE TOP COURSE OF PAVEMENT.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.025 GAL / SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF THE PROJECT, ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- ALL DRIVES SHALL RECEIVE A PAVED APRON AS SHOWN ON THESE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.40 SUBBASE, RAP. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30, "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)".
- SAWCUTTING FOR EXTENSION OF MEDIAN WILL NOT BE PAID FOR SEPARATELY. IT SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING, BITUMINOUS PAVEMENT".
- THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. GUARDRAIL BACKING MATERIAL THAT IS INSUFFICIENT OR UNSUITABLE SHALL BE REPLACED WITH ITEM 402.13, "AGGREGATE SHOULDERS, RAP".
- A QUANTITY FOR ITEM 604.412, "REHAB DI, CB OR MH CLASS I", ITEM 604.415, "REHAB DI, CB OR MH CLASS II", ITEM 604.418, "REHAB DI, CB OR MH CLASS III" AND ITEM 604.40, "CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES HAVE BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN EVENLY DISTRIBUTED BETWEEN ITEMS 604.412, 604.415 AND 604.418 FOR ESTIMATING PURPOSES.
- ITEM 616.47, "BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS" WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS OR IN OTHER LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDEROAD APPROACHES AND AROUND DRAINAGE AND UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT".
- ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE I" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END SECTIONS. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 402.13, "AGGREGATE SHOULDERS, RAP" UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF ITEM 402.13, "AGGREGATE SHOULDERS, RAP" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDED USING ITEM 651.35, "TOPSOIL" AND ITEM 651.15, "SEED".
- YIELDING MARKER POSTS ARE TO BE USED TO REPLACE NON-YIELDING MARKER POSTS AT PIPE INLETS AND OUTLETS ONLY.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- SIDEWALK RAMPS ARE TO BE REMOVED AND REPLACED WHERE SHOWN ON THE PROJECT LAYOUT SHEETS. AN ESTIMATED QUANTITY OF ITEM 203.16, "SOLID ROCK EXCAVATION" AND ITEM 301.26, "SUBBASE OF CRUSHED GRAVEL, FINE GRADED" HAVE BEEN INCLUDED FOR REMOVAL AND REPLACEMENT OF EXISTING SUBBASE MATERIAL FOR EACH RAMP.
- ANY "DRAINS TO WATERWAY" PLAQUES ON EXISTING DROP INLET OR CATCH BASIN GRATES SHALL BE REMOVED PRIOR TO REHABILITATING THE STRUCTURE AND REPLACED ON THE NEW GRATE WHEN IT HAS BEEN INSTALLED. PAYMENT FOR THIS WORK WILL BE INCIDENTAL TO ITEMS 604.412, "REHAB DI, CB OR MH CLASS I", ITEM 604.415, "REHAB DI, CB OR MH CLASS II" AND ITEM 604.418, "REHAB DI, CB OR MH CLASS III".



REGRADING DETAIL

ESSEX
STA. 10+80.00 RT TO STA. 11+55.00 RT

NOTE:

- REMOVAL OF EXISTING MATERIAL WILL BE PAID FOR UNDER THE APPROPRIATE RENTAL ITEMS.

**SEEDING FORMULA
URBAN AREAS**

% WT.	LBS./A.	NAME	PUR %	GERM %
42.5	34.0	CREeping RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.00	80.0			

GENERAL NOTES

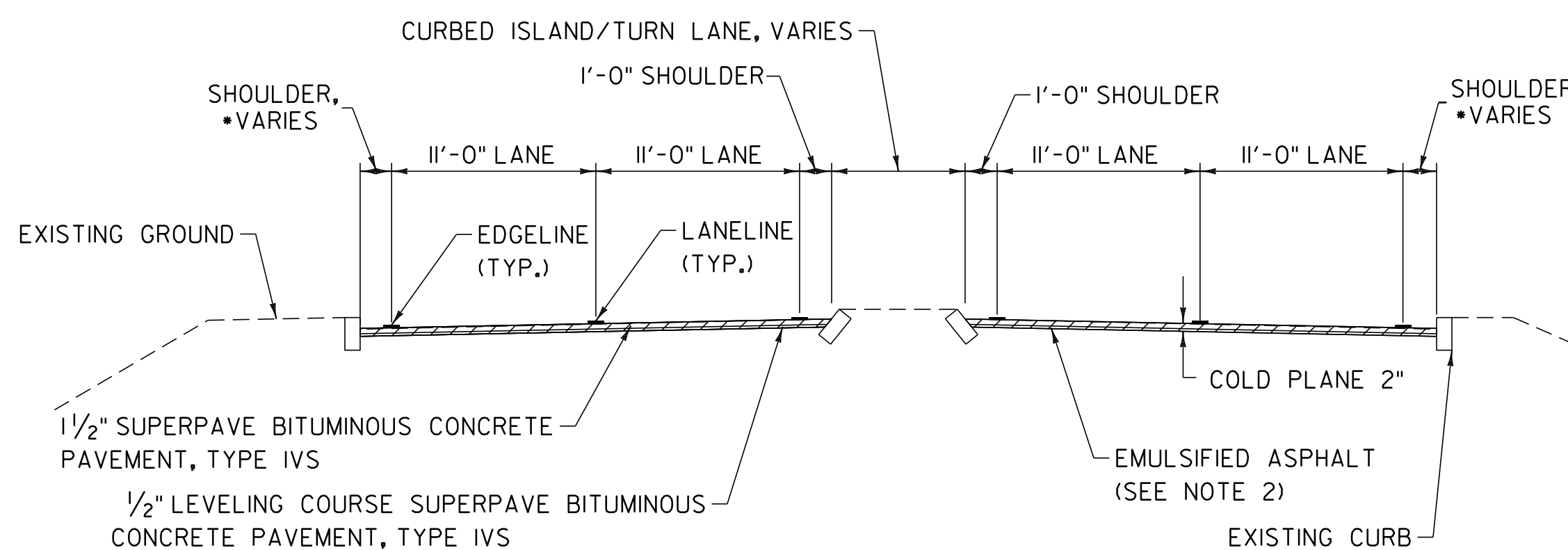
SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED 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.



COLD PLANE AND OVERLAY TYPICAL SECTION - CURBED ISLAND

COLCHESTER
STA. 16+90.00 TO STA. 20+70.00
STA. 26+22.00 TO STA. 36+80.00
STA. 39+32.00 TO STA. 40+64.00
STA. 44+88.00 TO STA. 61+64.00
STA. 71+38.00 TO STA. 71+90.63 (TOWN LINE)
ESSEX
STA. 0+00.00 TO STA. 18+32.00
STA. 30+57.00 TO STA. 50+31.00
STA. 54+41.00 TO STA. 57+78.00

• SEE PROJECT PAVING LIMITS TABLE, SHEET 4

NOTES:

- FURNISHING AND PLACING OF CONCRETE FOR ADJUSTING ELEVATION OF GRATE SHALL BE INCLUDED IN THE UNIT PRICE FOR 604.40, 604.412, 604.415, 604.418, AND 604.42.
- NEW FRAMES AND GRATES FOR EACH DROP INLET ARE TO BE INCLUDED IN THE UNIT PRICE FOR 604.40, 604.412, 604.415, 604.418, AND 604.42.
- MASTIC JOINT SEALER AND SYNTHETIC SPACER SHALL BE INCLUDED IN THE UNIT PRICE FOR 604.40, 604.412, 604.415, 604.418, AND 604.42.

- 1) CLASS I = 0' TO 3' DEPTH
- 2) CLASS II = 3' TO 6' DEPTH
- 3) CLASS III = 6' + DEPTH

**PROJECT
TYPICAL
SHEET 1**

DETAILS ARE NOT TO SCALE

PROJECT NAME: COLCHESTER-ESSEX
PROJECT NUMBER: STP 2616(1)

FILE NAME: p06b062.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p06b062p+sl1

PLOT DATE: 30-OCT-2012 12:0
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 3 OF 45