

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE
CODE 0011

NUMBER	ITEM	UNIT	QUANTITY
* 20100500	TREE REMOVAL, ACRES	ACRE	0.6
20200100	EARTH EXCAVATION	CU YD	1,403
20300100	CHANNEL EXCAVATION	CU YD	450
20400800	FURNISHED EXCAVATION	CU YD	2,076
* 25000200	SEEDING, CLASS 2	ACRE	0.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81
* 25100115	MULCH, METHOD 2	ACRE	0.9
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200
28000305	TEMPORARY DITCH CHECKS	FOOT	128
28000400	PERIMETER EROSION BARRIER	FOOT	311
28000500	INLET AND PIPE PROTECTION	EACH	2
* 28100207	STONE RIPRAP, CLASS A4	TON	237
28200200	FILTER FABRIC	SQ YD	346
* 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	875
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	92.4
50300280	CONCRETE ENCASMENT	CU YD	4.4
* 50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3,360
50800105	REINFORCEMENT BARS	POUND	9,020
△ 50900205	STEEL RAILING, TYPE S1	FOOT	281
51201600	FURNISHING STEEL PILES HP12X53	FOOT	518
51500100	NAME PLATES	EACH	1
* 542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	44
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	112
△ 63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	25
△ 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	104
67100100	MOBILIZATION	L SUM	1
△ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* X2830495	AGGREGATE DITCH (SPECIAL)	TON	315
* X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1
* X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1
* Z0065000	SETTING PILES IN ROCK	EACH	18

*SEE SPECIAL PROVISIONS
△ SPECIALTY ITEMS

GENERAL NOTES

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

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

THE CONTRACTOR SHALL CHECK WITH THE ENGINEER FOR EXACT LENGTH OF PIPE CULVERTS BEFORE ORDERING.

SEEDING QUANTITIES

ITEM	RATE OF APPLICATION	QUANTITIES
SEEDING, CLASS 2		0.9 ACRE
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE	81 POUNDS
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE	81 POUNDS
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE	81 POUNDS
MULCH METHOD 2	2 TON / ACRE	0.9 ACRE

APPLICATION RATES USED IN QUANTITY CALCULATIONS

AGGREGATE SURFACE COURSE, TYPE B	2.05 TON/CU YD
AGGREGATE DITCH (SPECIAL)	1.50 TON/CU YD
STONE RIPRAP, CLASS A4	1.65 TON/CU YD

TREE REMOVAL

ALL TREES BETWEEN THE LIMITS SHOWN BELOW AND THE ADJACENT SHOWN R.O.W. WHICH INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED ONLY AS DIRECTED BY THE ENGINEER (SEE SPECIAL PROVISIONS).

25.85' LT. STA. 10+25.00 TO 17.90' LT. STA. 10+95.50
17.90' LT. STA. 10+95.50 TO 16.45' LT. STA. 12+44.00
16.45' LT. STA. 12+44.00 TO 22.75' LT. STA. 14+43.00
22.75' LT. STA. 14+43.00 TO 35.00' LT. STA. 14+70.00

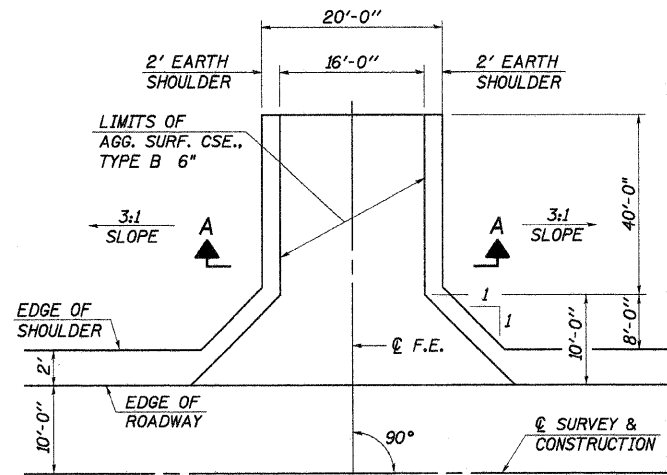
50.00' RT. STA. 13+88.00 TO 17.70' RT. STA. 14+04.00
17.70' RT. STA. 14+04.00 TO 16.10' RT. STA. 14+60.00
16.10' RT. STA. 14+60.00 TO 35.00' RT. STA. 14+57.00

32.65' LT. STA. 15+43.00 TO 32.65' LT. STA. 15+62.00
32.65' LT. STA. 15+62.00 TO 38.55' LT. STA. 15+75.00
38.55' LT. STA. 15+75.00 TO 57.40' LT. STA. 15+85.50
57.40' LT. STA. 15+85.50 TO 35.00' LT. STA. 16+32.00
35.00' LT. STA. 16+32.00 TO 35.00' LT. STA. 16+65.00

35.00' LT. STA. 16+65.00 TO 26.50' LT. STA. 17+05.00
26.50' LT. STA. 17+05.00 TO 26.45' LT. STA. 17+46.00
26.45' LT. STA. 17+46.00 TO 21.30' LT. STA. 17+85.00
21.30' LT. STA. 17+85.00 TO 17.20' LT. STA. 18+58.00

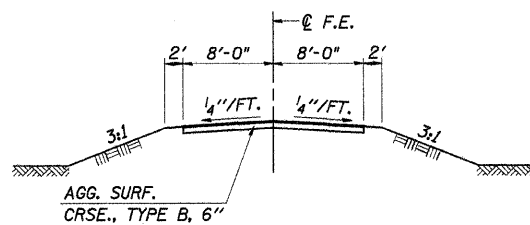
35.00' RT. STA. 15+51.00 TO 12.00' RT. STA. 15+69.00
12.00' RT. STA. 15+69.00 TO 17.30' RT. STA. 16+00.00
17.30' RT. STA. 16+00.00 TO 16.00' RT. STA. 16+59.00
16.00' RT. STA. 16+59.00 TO 12.10' RT. STA. 16+99.00
12.10' RT. STA. 16+99.00 TO 12.80' RT. STA. 17+94.00
12.80' RT. STA. 17+94.00 TO 18.75' RT. STA. 18+58.00

TREE REMOVAL, ACRES = 0.6 ACRE

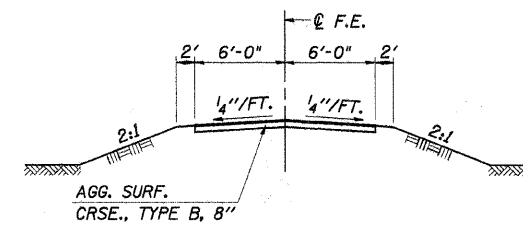


FIELD ENTRANCE DETAIL

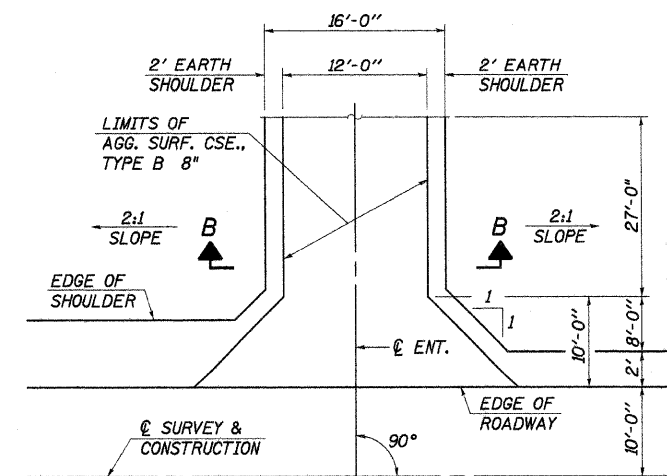
RT. STA. 13+25



SECTION A-A



SECTION B-B



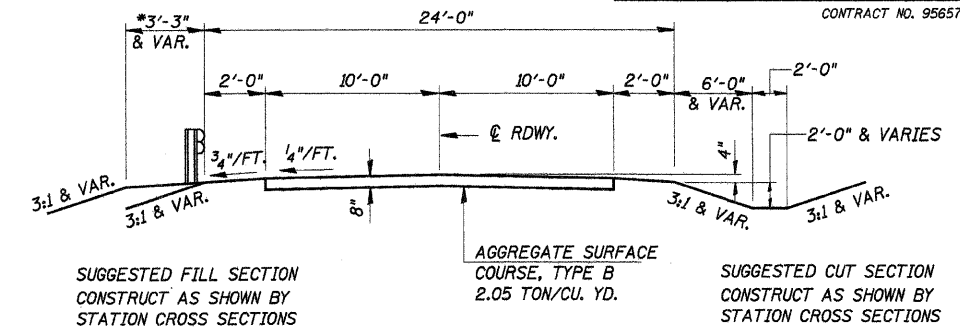
PARKING LOT ENTRANCE DETAIL

LT. STA. 16+60

EARTHWORK TABLE

LOCATION	EARTH EXCAVATION	EARTH EX. AFTER SHRINKAGE	SUITABLE CHANNEL EXCAVATION	CHAN. EX. AFTER SHRINKAGE	EMBANKMENT (FOR INFO. ONLY)	BALANCE WASTE (+) FURNISHED (-)
STA. 10+25.00 TO STA. 14+29.12	244	183			1,767	-1,584
STA. 15+70.88 TO STA. 18+50.00	1,159	869			1,458	-589
F.E. RT. STA. 13+25.00					107	-107
CHANNEL EXCAVATION			272	204		204
TOTAL	1,403		272		3,332	-2076

*SEE SHEET 4 AND STD. 630301 FOR SHOULDER AND GUARDRAIL DETAILS

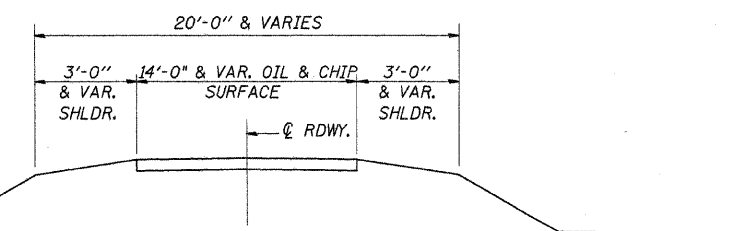


TYPICAL PROPOSED CROSS SECTION

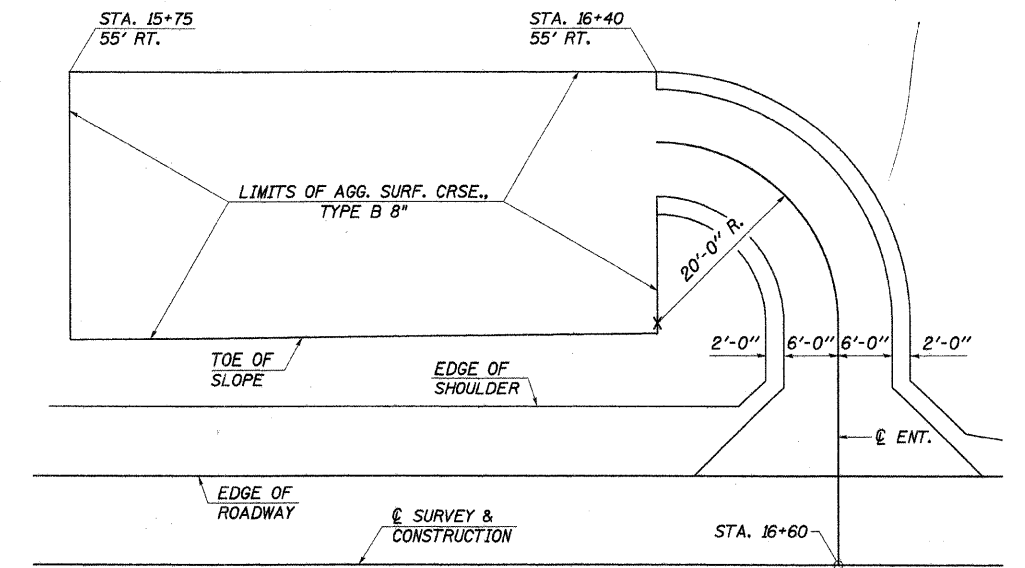
STA. 10+75 TO STA. 18+00

ROAD CLASSIFICATION: LOCAL ROAD (NON-URBAN) ADT 0-250
CURRENT ADT 187 (2011)

TRANSITION FROM EXISTING ROADWAY TO PROPOSED ROADWAY TO BE CONSTRUCTED FROM STA. 10+25 TO STA. 10+75 AND FROM STA. 18+00 TO STA. 18+58.



EXISTING TYPICAL CROSS SECTION



PARKING LOT DETAIL

CONSTRUCT AS SHOWN BY STATION CROSS SECTIONS.

SUMMARY OF QUANTITIES, GENERAL NOTES AND TYPICAL CROSS SECTION

SECTION 06-02119-00-BR
BIG SPRING ROAD DISTRICT
SHELBY COUNTY
STA. 15+00

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SPRINGFIELD, IL 62711
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DRAWN: S.A.P.
DATE: 02/23/07

CHECKED: G.J.C.
DATE: 03/16/07

JOB NO.: 46863
FILE: 0504SUMTYP.DGN
DATE: 04/04/11