COUNTY	CONTRACT	F.A. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
New Castle	1502	2	DEL.			1	14

THE STATE OF DELAWARE

State of Delaware

STATE HIGHWAY DEPARTMENT

PLAN
FOR
CONSTRUCTION OF CONTRACT Nº 1502

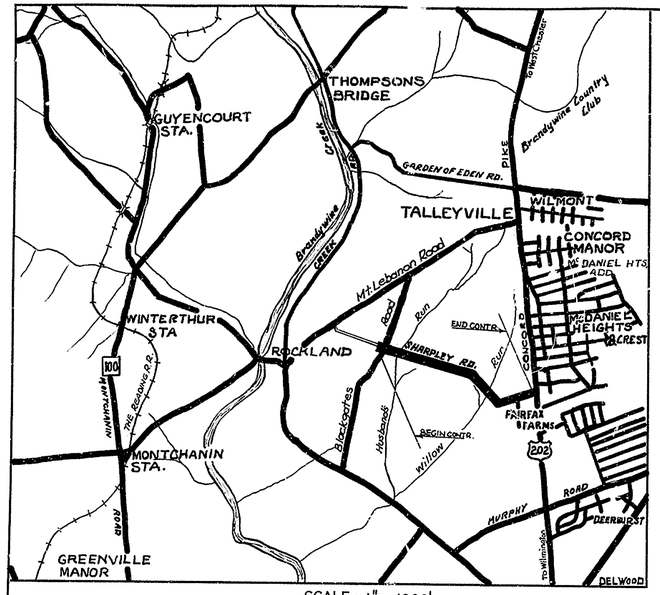
STA. 1+00 TO STA. 49+80

4880 FEET: 0.924 MILES

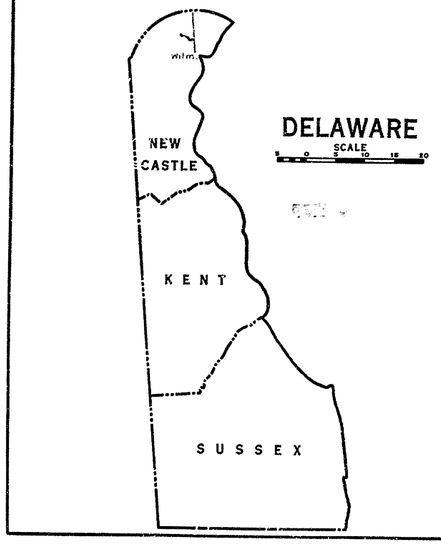
SCALE: PLAN: 1 IN.= 50 FT.
PROFILE: HOR. 1 IN.= 50 FT.
VERT. 1 IN.= 10 FT.

~~FEDERAL AID PROJECT Nº~~

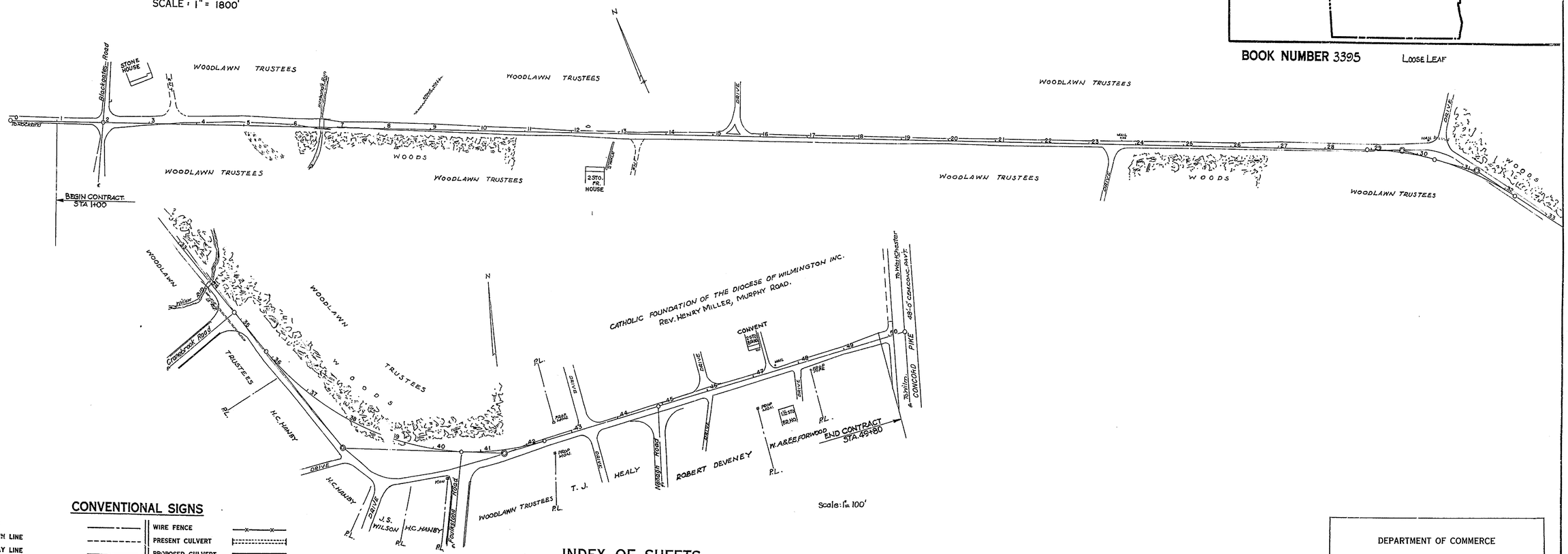
SHARPLEY ROAD
BLACKGATES ROAD TO CONCORD PIKE



SCALE: 1" = 1800'



BOOK NUMBER 3395 LOOSE LEAF



CONVENTIONAL SIGNS

COUNTY LINE
CITY OR TOWN LINE
RIGHT OF WAY LINE
CENTRE LINE, PROPOSED ROAD
MACADAM, TRAVELLED ROAD
TROLLEY OR RAILROAD
WIRE FENCE
PRESENT CULVERT
PROPOSED CULVERT
TELEGRAPH POLE
TREE

PROFILE: GRADE, GROUND, DATUM, 25.0 GR. 25.2, 25.8 GR. 26.0

INDEX OF SHEETS

SHEET Nº 1 TITLE SHEET
2 TYPICAL SECTION
3-7 PLAN AND PROFILE
8-9 BRIDGES
2 QUANTITIES
10-14 STANDARDS W, M, SD, MM, DT

RECOMMENDED July 8 1957 E. Palenski ENGR. PLAN & DESIGN

RECOMMENDED July 8 1957 R. W. Henning Jr. CONSTRUCTION ENGINEER

APPROVED 11 July 1957 R. R. Faber CHIEF ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

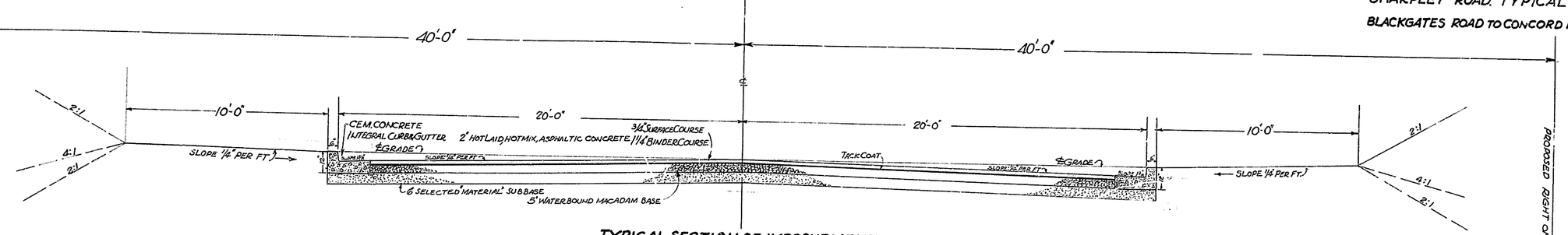
APPROVED:

DIVISION ENGINEER DATE

COUNTY	CONTRACT	F.A.P. OR DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
NEW CASTLE	1502	2	DEL.			2	14

SHARPLEY ROAD. TYPICAL SECTIONS

BLACKGATES ROAD TO CONCORD PIKE

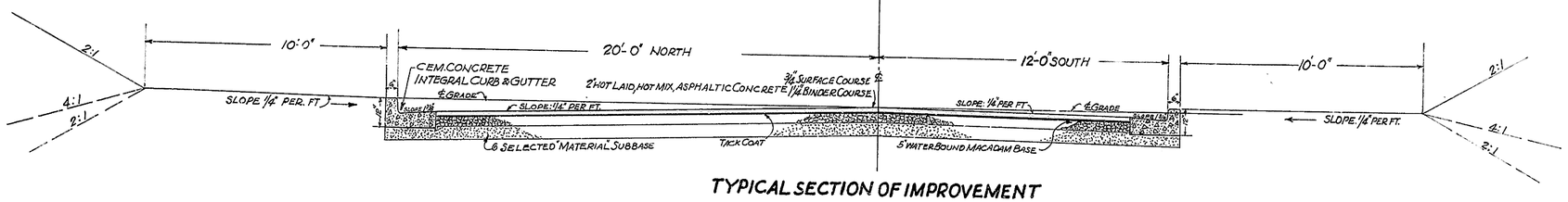


TYPICAL SECTION OF IMPROVEMENT

CONCORD PIKE TO AMBERLY ROAD

Scale: 3/8"=1'-0"

49+50 TO 3+37

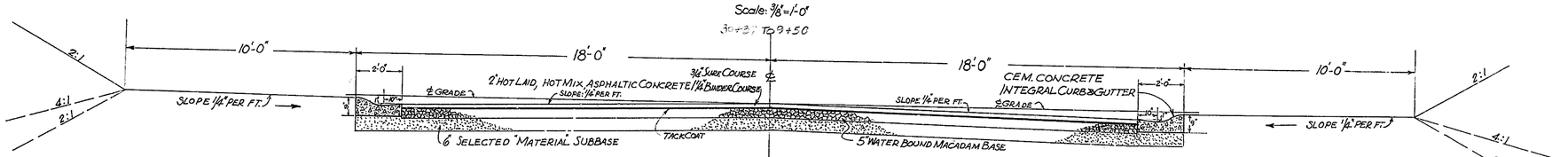


TYPICAL SECTION OF IMPROVEMENT

AMBERLY ROAD TO WHITBY DRIVE

Scale: 3/8"=1'-0"

30+37 TO 9+50

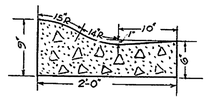


TYPICAL SECTION OF IMPROVEMENT

WHITBY DRIVE TO BLACKGATES ROAD

Scale: 3/8"=1'-0"

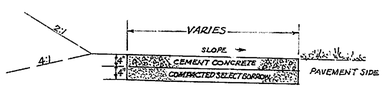
9+50 TO 1+00



INTEGRAL CURB & GUTTER

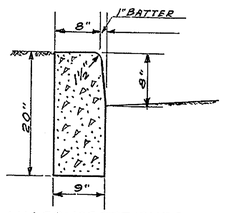
Scale: 1"=1'-0"

TYPE 2



CONCRETE SIDEWALK

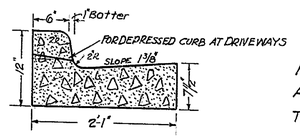
Scale: 1/2"=1'-0"



PLAIN CONCRETE CURB

Scale: 1"=1'-0"

TYPE "1"



INTEGRAL CURB & GUTTER

Scale: 1"=1'-0"

SPECIAL TYPE

NOTE:
AT DRIVEWAYS, LIP OF CURB TO BE 1 1/2" ABOVE GUTTER.

~ QUANTITIES ~

	CLEARING & GRUBBING	EXCAVATION	BORROW	ROADWAY ROCK EXCAV.	SELECTED BORROW	INTEGRAL CURB AND GUTTER TYPE #2	INTEGRAL CURB AND GUTTER SPECIAL TYPE	WATER BOUND MACADAM	TOP SOILING	SEEDING	CALCIUM CHLORIDE	R.C. TACK COAT	HOT MIX ASPHALTIC CONCRETE	MAINTENANCE OF TRAFFIC	PORT. CEM. CONC. MAS.	EXCAV'N FOR STRUCTURES	REMOVAL PRESENT STRUCTURES	15" R.C.P.	18" R.C.P.	21" R.C.P.	24" R.C.P.	27" R.C.P.	24" R.C.P.X.	27" R.C.P.X.	STANDARD MAN HOLES		CASTINGS	ADJUSTING MINOR INSTALLATIONS
	LUMP SUM	CU. YD.	CU. YD.	CU. YD.	CU. YD.	LINEAR FT.	LINEAR FT.	TON	SQ. YD.	ACRE	TON	GALLON	TON	LUMP SUM	CU. YD.	CU. YD.	LUMPSUM	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH		POUNDS	EACH
		9301	221		5929	1808	7902	5648	1213	0.251		3798	2214					612	1251	240	166		1020	793	13		30496	
TOTAL		9301	221		5929	1808	7902	5648	1213	0.251		3798	2214		99	464		612	1251	240	166		1020	793	13		30496	4
PROPOSAL	L.S.	10,000	300	2000	6100	1900	8000	5750	1300	0.40	5	4100	2300	L.S.	100	500	L.S.	700	1300	270	200	100	1120	820	15		38000	6

	BAR REINFORCEMENT	PORTLAND CEMENT RUBBLE MASONRY	12" CAST IRON PIPE	PIPE RAILING	SODDING	CORR. METAL MULTI-PLATE ARCHES	GRAVEL	STONE COPING	TEMPORARY ROADWAY MATERIAL: HOT MIX-ASPH. CONC.	COLD LAID BIT. CONC.	SCREENING	SELECT BORROW	18"x15" TEE R.C.P.	21"x15" TEE R.C.P.	24"x15" TEE R.C.P.	24"x18" TEE R.C.P.X.	27"x18" TEE R.C.P.X.	ROCK EXCAVATION FOR STRUCTURES & TRENCHES	SPECIAL JUNCTION BOXES	GRATINGS "RW-B.D"	CEMENT CONCRETE SIDEWALK 4"	PLAIN CONCRETE CURB TYPE-1	8" VITR. CLAY PIPE X	TYPE "RW-B.D.2" C.BASIN		TYPE S.D."1" C.BASIN	TYPE S.D."2" C.BASIN	TYPE W.T.D. C.BASIN	TYPE "A" C.BASIN
	POUNDS	CU. YDS.	LIN. FT.	LIN. FT.	SQ. YDS.	LIN. FT.	TONS	LIN. FT.	TONS	TONS	TONS	CUBIC YDS.	EACH	EACH	EACH	EACH	EACH	CU. YD.	EACH	SQ. FT.	SQ. FT.	L.FT.	L.FT.	EACH	EACH	EACH.	EACH	EACH	EACH
													1		2	2	1		1	26.22"	150	80	63	2		4	2	24	1
TOTAL	11,135	137	36	108	1140	132	40	60																					
PROPOSAL	12,000	140	40	108	1200	132	50	180	100	100	100	100	1		2	2	1	161	1	26.22"	150	80	63	2		4	2	24	1
													2	1	3	3	2	2000	4	39.33"	350	100	65	3		5	3	27	2

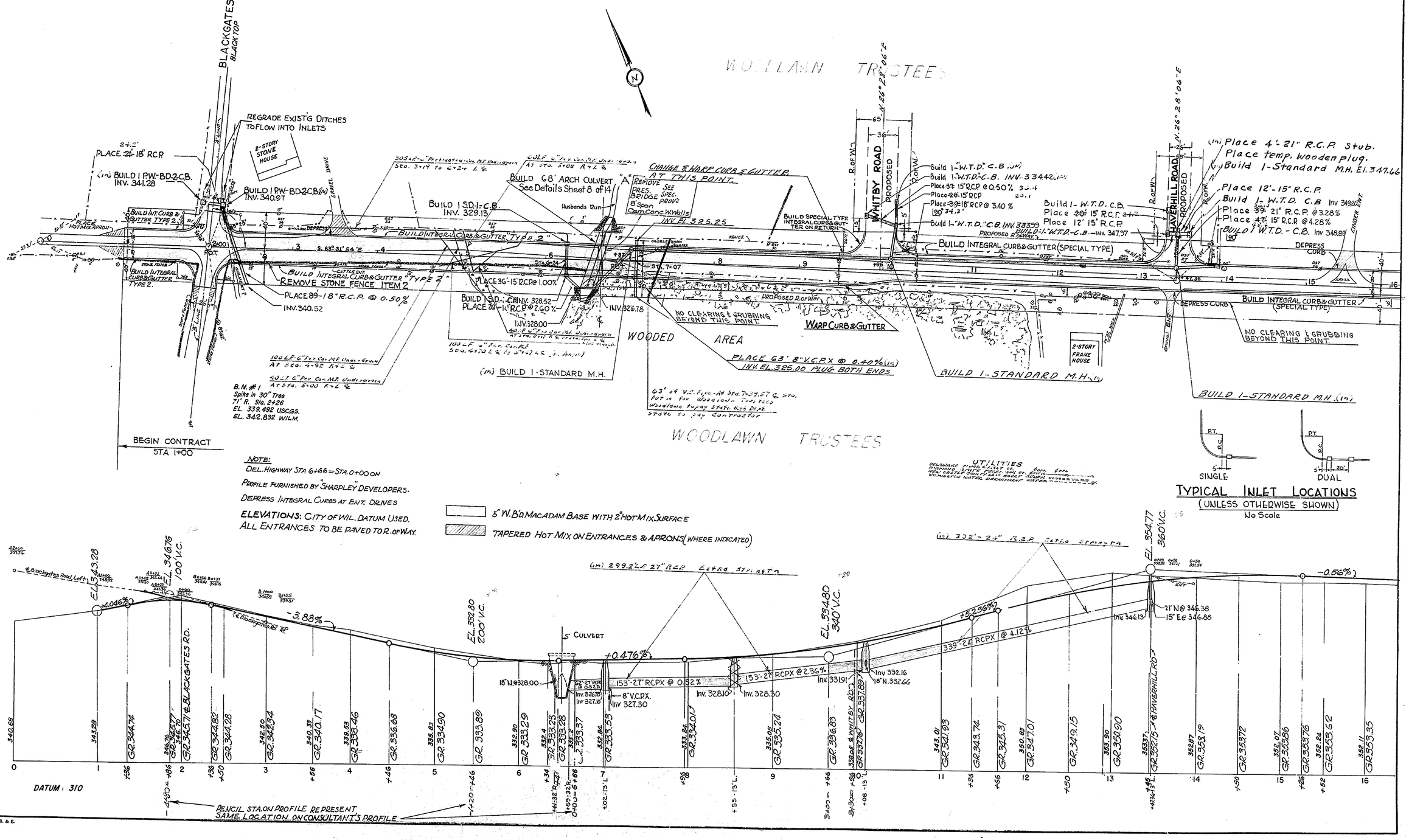
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

"Imperial" 156 W. B. & E.

COUNTY	CONTRACT	P.R.A. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
NEW CASTLE	1502	2	DEL.			3	14

SHARPLEY ROAD
BLACKGATES ROAD TO CONCORD PIKE

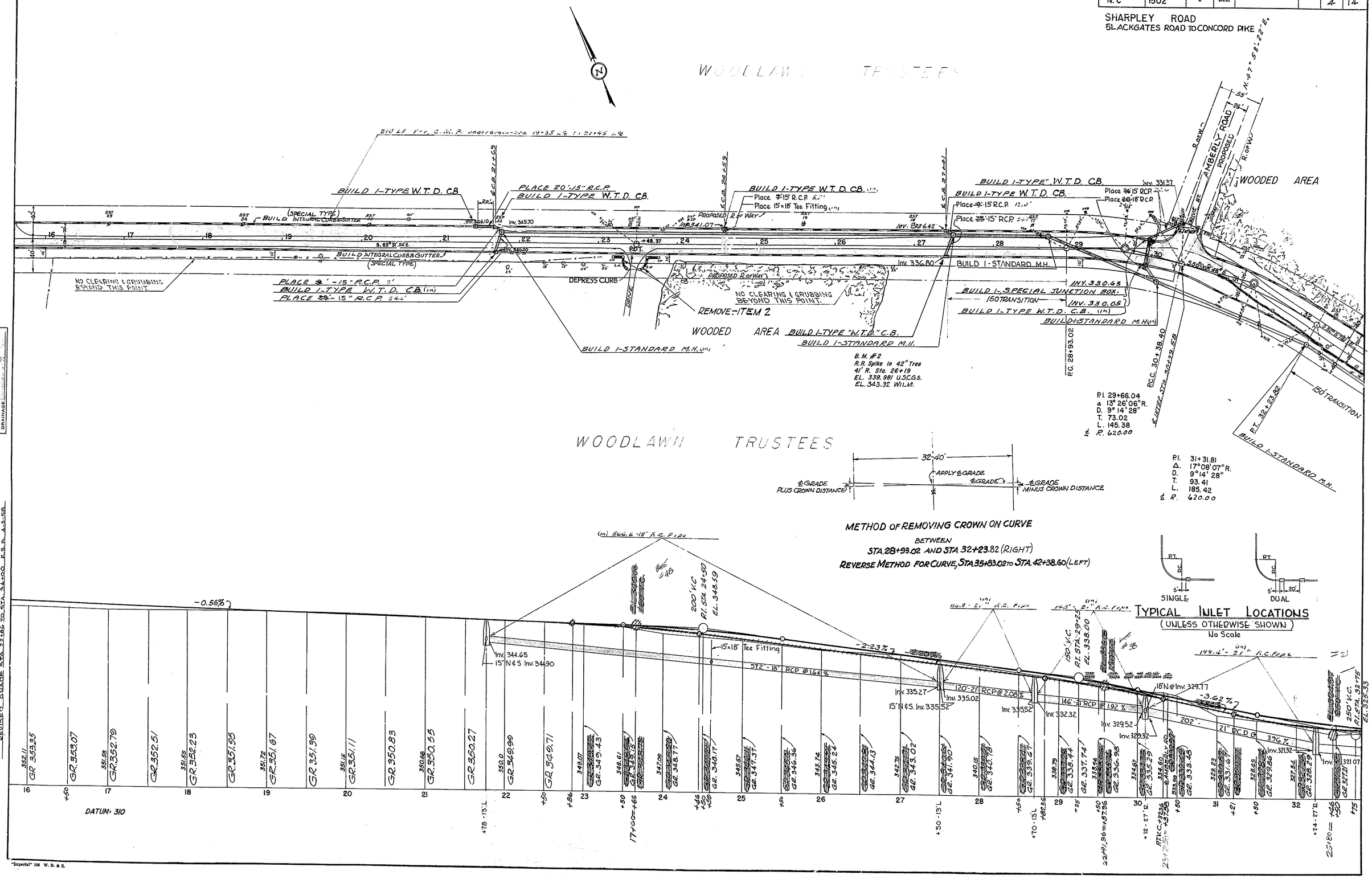
NOTE: GRADES FOR ALL CATCH BASINS BEYOND RIGHT OF WAY and/or ENDS OF RADIUS WILL BE FURNISHED BY WHITMAN, REQUARDT and ASSOC. CONSULTANTS FOR WOODLAWN TRUSTEES THE DEVELOPERS.



"Imperial" 156 W. B. & E.

COUNTY	CONTRACT	F.A.P. OR DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. C	1502	2	DEL.			4	14

SHARPLEY ROAD
BLACKGATES ROAD TO CONCORD PIKE

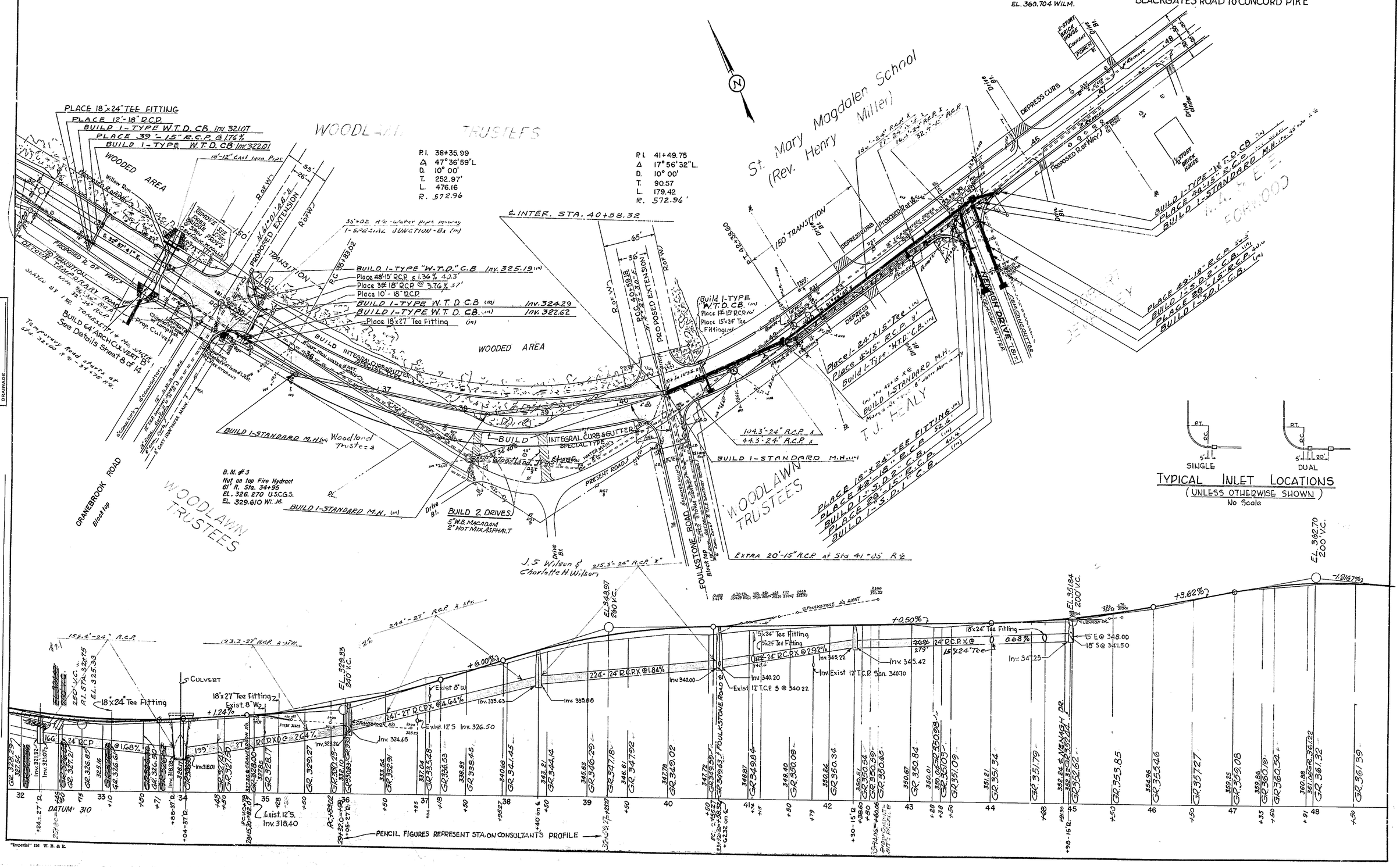


BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

REVISIONS
REVISED DRAINAGE BY CONSULTANTS 10/23/57
REVISED CLEARING & GRUBBING C.J.H. 9/23/57
REVISED GRADE STA. 22+86 TO STA. 34+00 E.S.H. 4-3-58

"Imperial" 156 W. B. & E.

COUNTY	CONTRACT	F.R.A. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. C.	1502	2	DEL.			5	14



REVISED GRADE STA. 22+86 TO STA. 34+00 R.S.B. 4-3-58
As Built Plans 4/25/60

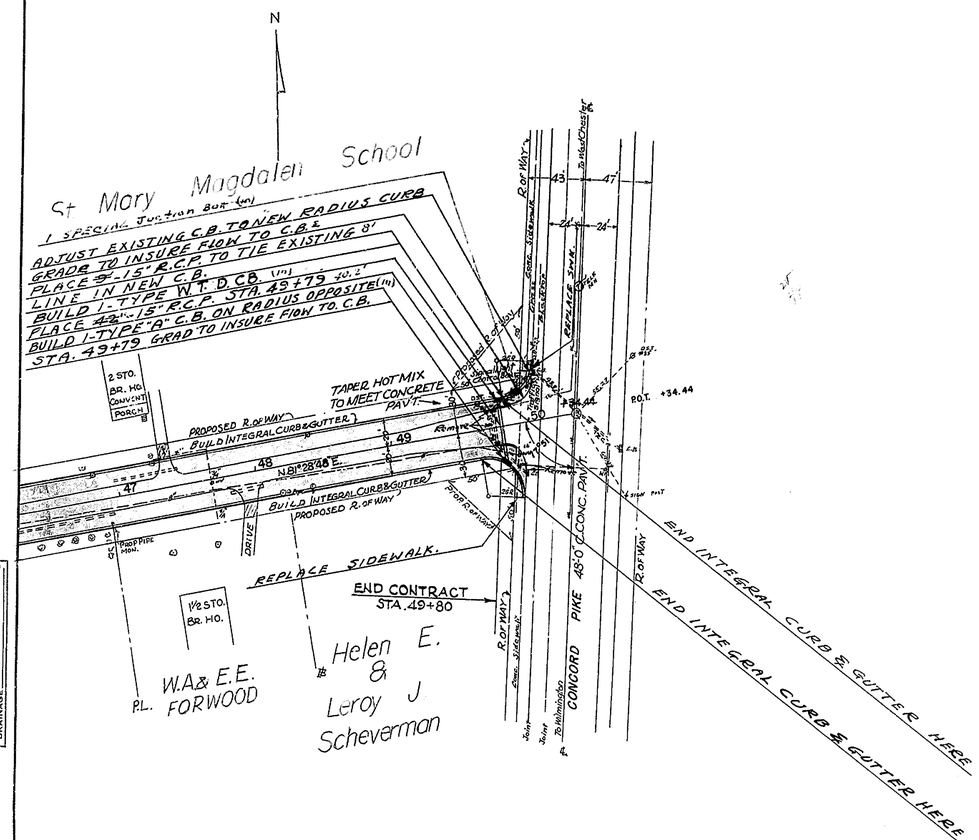
BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

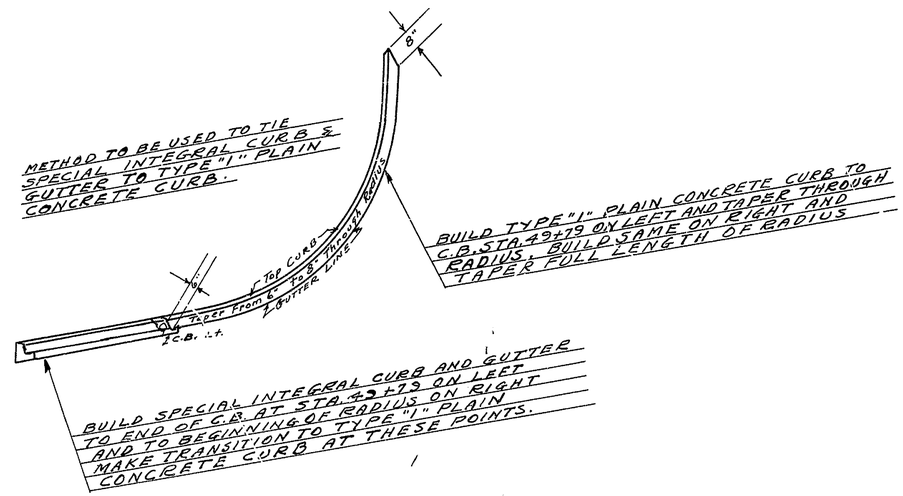
"Imperial" 156 W. B. & E.

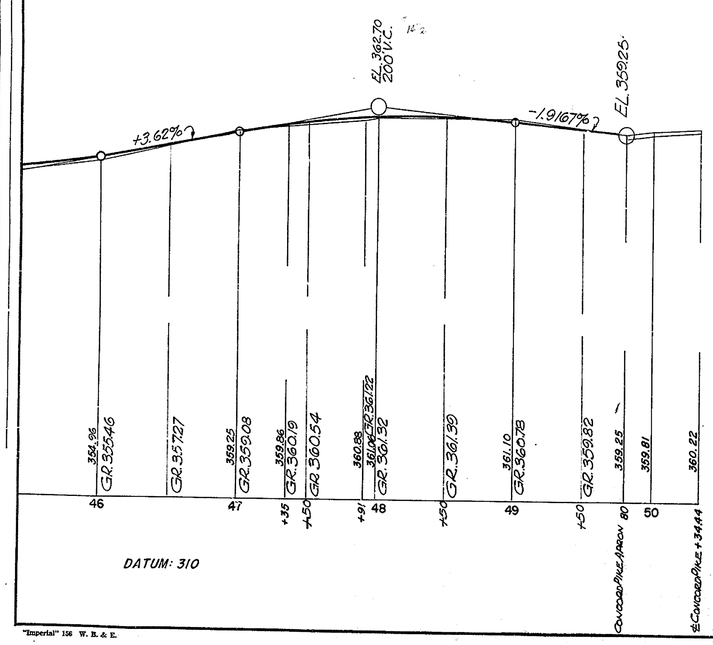
COUNTY	CONTRACT	F.A.P. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. C.	1502	2	DEL.			6	14

SHARPLEY ROAD

BLACKGATES ROAD TO CONCORD PIKE







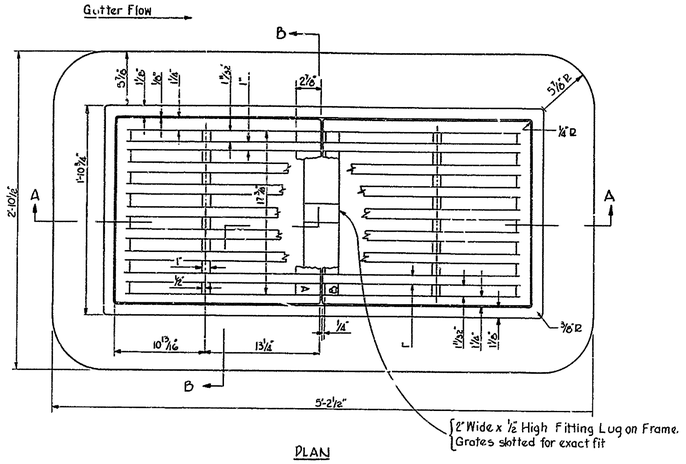
"Imperial" 156 W. R. & E.

BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

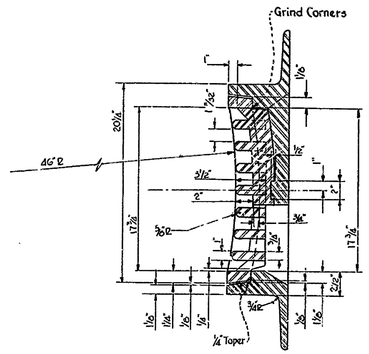
REVISIONS

COUNTY	CONTRACT	F.A.S. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.C.	1502	2	DEL.			7	14

SHARPLEY ROAD
BLACKGATES ROAD TO CONCORD TURNPIKE
TYPE "W.T.D" CATCH BASIN



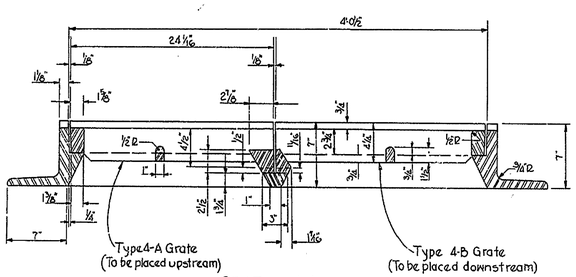
PLAN



SECTION B-B

Approx Weights

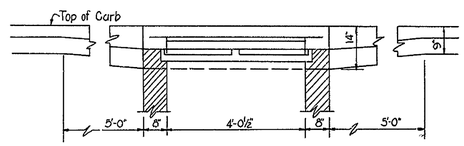
Grates-Each ——— 216 lbs
Frames-Full Flange ——— 668 lbs



SECTION A-A

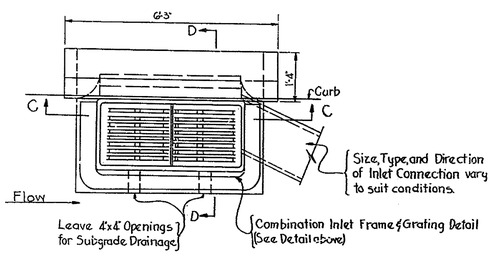
COMBINATION INLET FRAME & GRATING DETAIL

Scale: 1½"=1'-0"

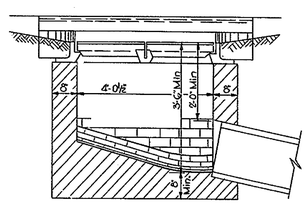


TRANSITION OF CURB & GUTTER TO COMBINATION INLET

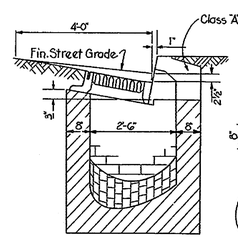
Scale: ½"=1'-0"



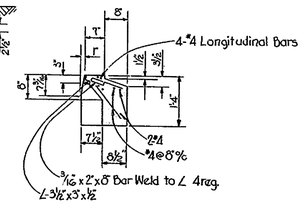
PLAN



SECTION C-C



SECTION D-D



HEADPIECE DETAIL

COMBINATION INLET DETAILS

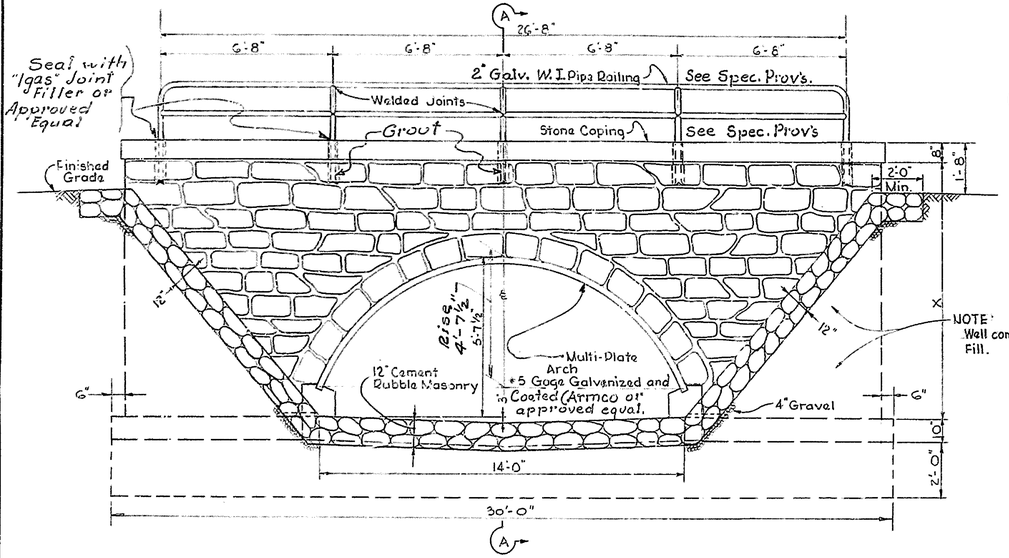
Scale: ½"=1'-0"

BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

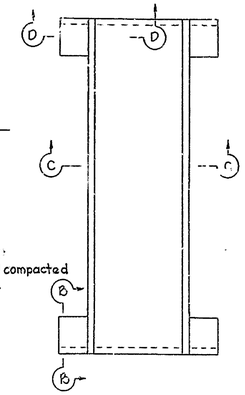
REVISIONS

"Imperial" 156 W. B. & E.

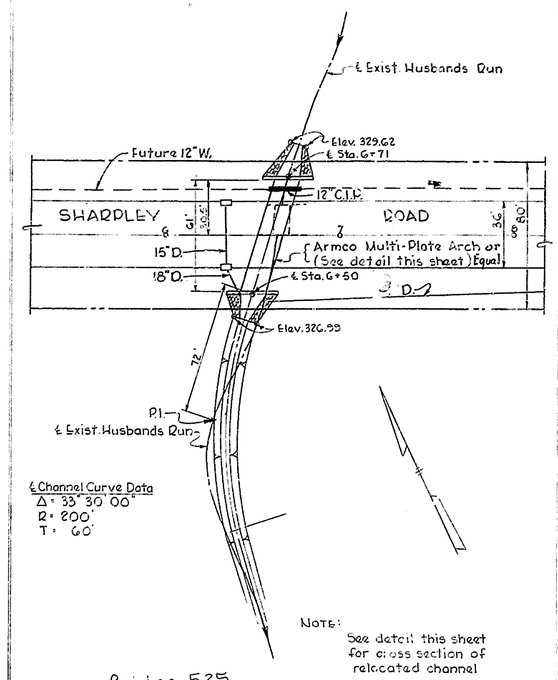
COUNTY	CONTRACT	P.E.A. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
N.C.	1502	2	DEL.			8	14



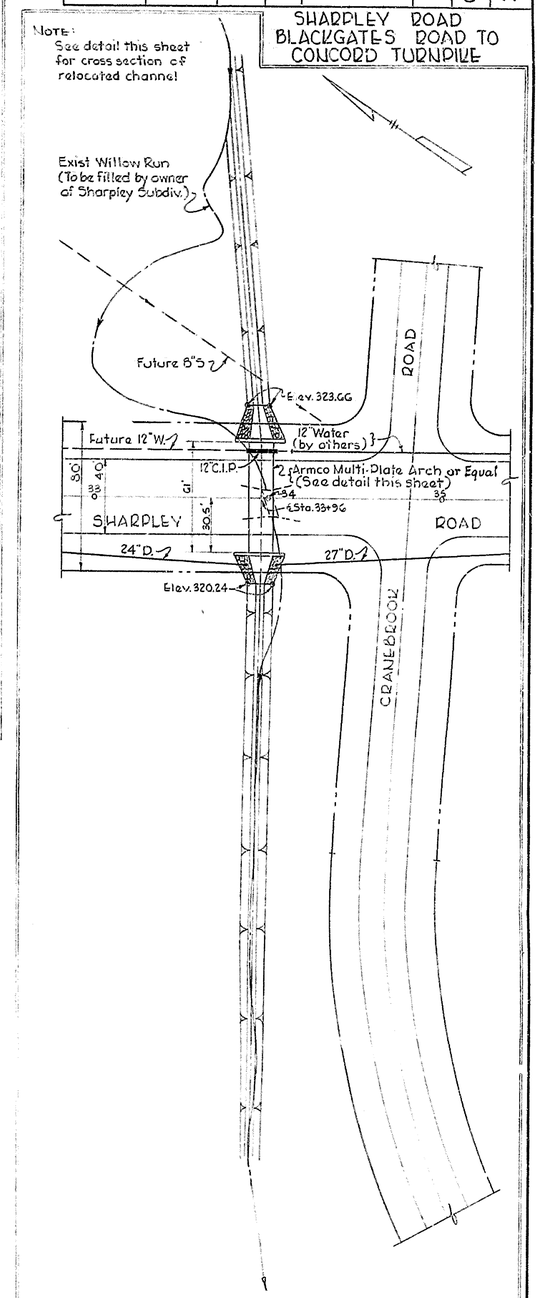
END ELEVATION
Scale: 3/8"=1'-0"



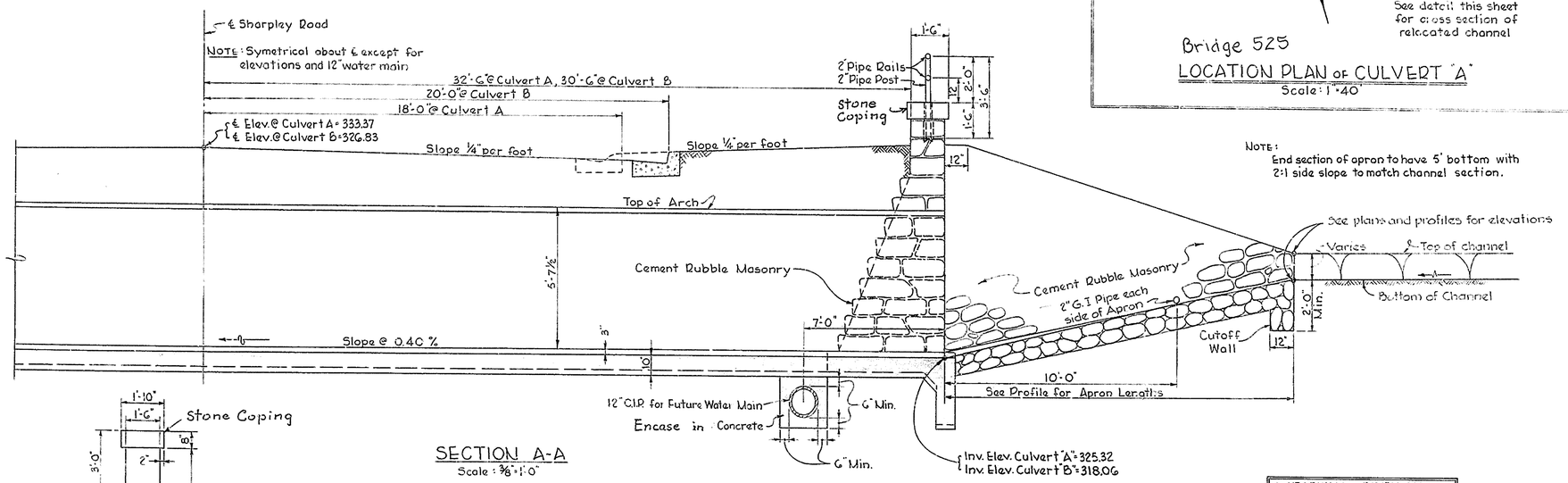
PLAN
No Scale



Bridge 525
LOCATION PLAN OF CULVERT "A"
Scale: 1"=40'

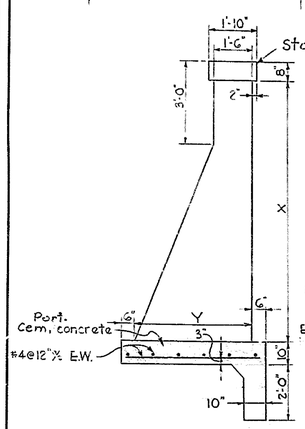


Bridge 22
LOCATION PLAN OF CULVERT "B"
Scale: 1"=40'

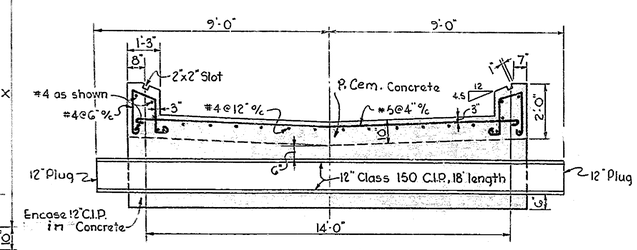


NOTE: End section of apron to have 5' bottom with 2:1 side slope to match channel section.

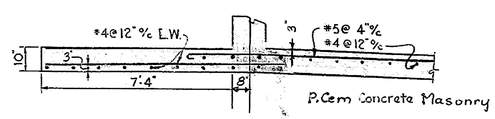
SECTION A-A
Scale: 3/8"=1'-0"



SECTION "B-B"
Scale: 3/8"=1'-0"



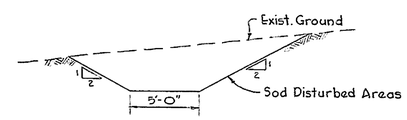
SECTION C-C
Scale: 3/8"=1'-0"



SECTION D-D
Scale: 3/8"=1'-0"

DETAILS OF ARCH CULVERTS
Scale: As Shown

HEADWALL DIMENSIONS			
Culvert Designation		X	Y
A	Upstream	8'-11½"	4'-5"
	Downstream	9'-3"	4'-6"
B	Upstream	9'-9"	4'-8"
	Downstream	10'-0"	4'-10"



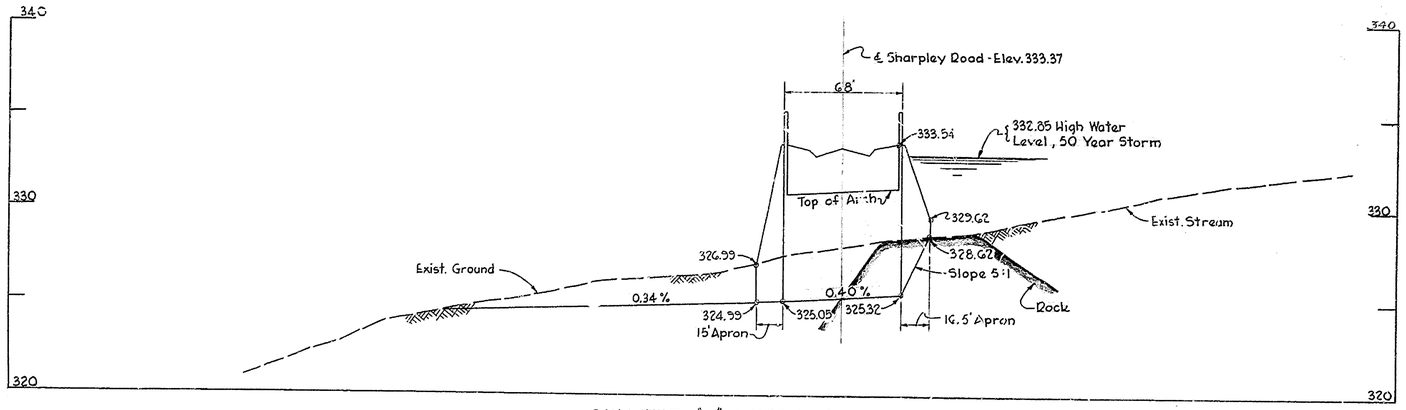
RELOCATED CHANNEL CROSS-SECTION
Scale: 1"=5'-0"

TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

W.O. 4461

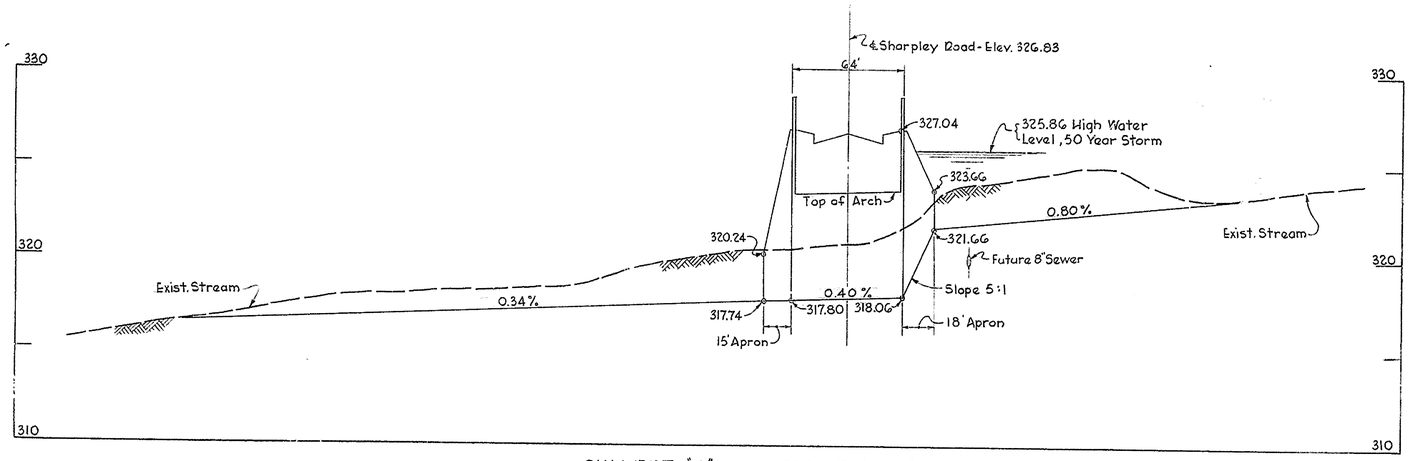
COUNTY	CONTRACT	P.R.A. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.C.	1502	2	DEL.			9	14

SHARPLEY ROAD
BLACKGATES ROAD TO
CONCORD TURNPIKE



CULVERT "A" HUSBANDS RUN PROFILE

Scale: Horz. 1"=40' Vert. 1"=4'



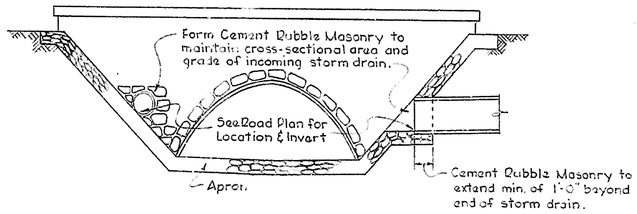
CULVERT "B" WILLOW RUN PROFILE

Scale: Horz. 1"=40' Vert. 1"=4'

CULVERT QUANTITIES, PAY ITEMS

ITEM	DESCRIPTION	Culvert A	Culvert B	TOTAL	PROPOSAL *
2	Excavation (Channel)	130 C.Y.	380 C.Y.	510 C.Y.	
3	Rock Excavation (Structures and Trenches)	161 C.Y.	—	161 C.Y.	200 C.Y.
4	Excavation for Structures	151 C.Y.	313 C.Y.	464 C.Y.	500 C.Y.
18	Portland Cement Concrete Masonry	51 C.Y.	48 C.Y.	99 C.Y.	100 C.Y.
20	Bar Reinforcement	5740 #	5395 #	11,135 #	12,000 #
23	Portland Cement Rubble Masonry	63 C.Y.	74 C.Y.	137 C.Y.	140 C.Y.
28	12" Cast Iron Pipe	18 L.F.	18 L.F.	36 L.F.	40 L.F.
	Pipe Railing	54 L.F.	54 L.F.	108 L.F.	108 L.F.
29A	Corrugated Metal Multi Plate Arches	68 L.F.	64 L.F.	132 L.F.	132 L.F.
55	Sodding	280 S.Y.	860 S.Y.	1140 S.Y.	1200 S.Y.
	Gravel	20 Tons	20 Tons	40 Tons	50 Tons
	Stone Coping	60 L.F.	60 L.F.	120 L.F.	120 L.F.
	Removal of Present Structures				L.S.

* See Sheet 2 for a complete listing of quantities and pay items.



TYPICAL STORM DRAIN CONNECTIONS @ CULVERT

Scale: 3/16" = 1'-0"

GRADE
BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

REVISIONS
6/24/57 QUANTITIES, PAY ITEMS V.A.J.

"Imperial" 156 W. B. & E.
W.O. 4461-2

COUNTY	CONTRACT	F.A.P. OR S.P.R. DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
NEW CASTLE	1502	2	DEL.				

SHARPLEY ROAD

DISTRIBUTION OF QUANTITIES

AGREEMENT ON CONSTRUCTION

CONCORD PIKE to FOULKSTONE RD. 100% HIGHWAY
FOULKSTONE RD. to HUSBANDS RUN. 50% HIGHWAY; 50% WOODLAWN TRUSTEES
HUSBANDS RUN to BLACKGATES ROAD 100% HIGHWAY
CULVERT AT HUSBANDS RUN 100% HIGHWAY
CULVERT AT WILLOW RUN 50% HIGHWAY; 50% WOODLAWN TRUSTEES

DO NOT PRINT.

EARTHWORK

STATION TO STATION	HIGHWAY 100% CY.	WOODLAWN TRUSTEES 50% CY.	HIGHWAY 50% CY.
1+00 TO 6+66	1552.0		
6+66 TO 40+50		3330.3	3330.4
40+50 TO 49+80	1088.4		
TOTAL	2640.4	3330.3	3330.4

TOTAL EXCAVATION = 9301.1 CY.
TOTAL BORROW = 170. CY. (50-50%)

EXCAVATION
Roadway 50% Highway 50% Woodlawn
2640.4 CY 3330 CY 3330 CY
Borrow
50% Highway 50% Woodlawn
125 CY 12.5 CY.
TOTAL WW 9301 CY Woodlawn = 3330

5" WATER BOUND MACADAM

STATION TO STATION	LENGTH L.F.	WIDTH L.F.	SQ.FT.	SQ YD	* TONS.
1+00 TO 9+96	896'	32'	28672.00	3185.77	950.31
9+96 TO 30+37	2041	28.84	58862.44	6540.27	1950.96
30+37 TO 49+00	1863	36.84	68632.92	7625.88	2274.80
49+00 TO 49+80	80	AVE 30.92	2473.60	274.84	81.98
7 STREET APRONS					310.72
10 ENT. + 2 NEW ENT.					79.87
* 0.2983T/SY			TOTAL W.B. MAC.		5648.64

STA 1+00 TO 6+66 + 4 ENT 33.33
STA 40+50 TO 49+80 = 12.0 FT TONS 0.29.97
7625.88 ÷ 100% HWY
37626.72 T. 50-50%
1893.46 T. 50% HWY
1893.46 T. 50% WOOD LAWN

6" SELECTED BORROW

STATION TO STATION	LENGTH	WIDTH	SQ.FT.	DEPTH	CU.FT	CU.YD.
1+00 TO 9+96	896	32.0	28672.00			
9+96 TO 30+37	2041	28.84'	58862.44			
30+37 TO 49+00	1860	36.84'	68632.92			
49+00 TO 49+80	80	AVE 30.92'	2473.60			
7 STREET APRONS			937.50			
12 ENT			2410.00			
			170,425.96	0.5	85212.98	
UNDERNEATH INTEGRAL CURB & GUTTERS						
1+00 TO 9+96	896'	2'+2'=4'	3584.00	0.58(7)	2078.72	
9+96 TO 30+37	2041'	20'+20'=4.16'	8490.56	0.458(5 1/2)	3888.68	
30+37 TO 49+80	1943	20'+20'=4.16'	8082.88	0.458(5 1/2)	3701.96	
SHOULDERS LESS ENTRANCES	8356	10'	83560.00	0.25(3)	20890.00	
				TOTAL =	115,772.34 = 4287.86	
					+30% = 1286.36	
					TOTAL = 5574.22	

2012 58.5% HWY
1512 58.5% WOODLAWN
1549 = 100% HWY
1943 HWY 50-50%
4287.86 CY
1943 ÷ 4287.86 = 45.3% HWY
2344.86 CY 50-50%

R.C.1 TACK COAT

STATION TO STATION	SQ.YD.	GALLON
1+00 TO 6+66 1 ENT.	2179.11 33.33	
100% HIGHWAY	2212.44	442.5
6+66 TO 40+59 5 ENT.	11896.99 152.22	
50-50% EACH	12,049.21	2409.8
40+59 TO 49+80 6 ENT.	3711.34 82.22	
100% HIGHWAY	3793.56	759.9
	TOTAL GAL RC1 =	3612.2

Hypothetical
442.5 Gallons
759.9
12.049 ÷ 100% Highway
2409.8 ÷ 50% Highway
2409.8 = 50% Woodlawn

		HIGHWAY 100%	HIGHWAY 50%	WOODLAWN 50%
TOP SOILING	1213 SQ.YD.	1694.8 SY	521.1 SY	521.1 SY
SEEDING	0.251 ACRE	0.035 AC.	0.107 AC.	0.107 AC.
CALCIUM CHLORIDE	5 TON	3.261 TON		1.739 TON
CLEARING & GRUBBING	LUMP SUM.	100%	50%	50%
MAINTENANCE OF TRAFFIC	LUMP SUM.	100%	50%	50%
ROCK EXCAVATION	100 C.Y.	30.47	34.76 CY	34.76 CY

INTEGRAL CURB & GUTTER TYPE #2

LEFT SIDE
FROM STA. 1+00 TO WHITBY ROAD
STA 1+00 TO 1+66 = 66' + 2 CURB RETURNS, 82' — 148 L.F.
" 2+38 TO 6+66 — 428 L.F.
100% HIGHWAY 576 L.F.
" 6+66 TO 9+57 = 291' + 1 CURB RETURN 31' = 322 L.F.

RIGHT SIDE
STA 1+00 TO 1+66 = 66' + 2 RETURNS, 82' = 100% HIGHWAY 148 L.F.
" 2+34 TO 9+96 = 749 L.F. 724 L.F.
1084 L.F.
50-50% EACH 1084 L.F.
TYPE #2 TOTAL = 1808 L.F.

INTEGRAL CURB & GUTTER SPECIAL TYPE

LEFT SIDE
FROM WHITBY ROAD TO AMBERLY ROAD: STA 9+96 TO 30+32
STA. 10+34 TO 13+13 + 1 RETURN = 310 L.F.
HAVERHILL ROAD 62 "
STA 13+70 TO 30+05 + 3 RETURNS 1662 "
100% WOODLAWN 2034 L.F.

RIGHT SIDE
STA 9+96 TO 30+32 — 100% WOODLAWN 2036 "

LEFT SIDE
AMBERLY ROAD TO CRANEBROOK ROAD
STA 30+70 TO 34+33 + 2 RETURNS 424 L.F.
RIGHT SIDE
STA 30+32 TO 34+40 + 1 RETURN 448 L.F.
100% WOODLAWN 872 L.F.

LEFT SIDE
CRANEBROOK RD. TO FOULKSTONE ROAD
STA 35+17 TO 40+20 + 2 RETURNS 568 L.F.
RIGHT SIDE
STA. 35+18 TO 40+17 + 2 RETURNS 599 L.F.
100% WOODLAWN 1167 L.F.

LEFT SIDE
FOULKSTONE ROAD TO CONCORD PIKE
STA. 41+03 TO 49+80 + 1 RETURN 908 L.F.
RIGHT SIDE
STA 41+00 TO 44+36 + 1 RETURN 393 L.F.
NENAGH DRIVE + 2 RETURNS (PART) 42 "
STA 45+30 TO 49+80 450 "
100% HIGHWAY 1793 L.F.

TOTAL SPECIAL TYPE 7902 L.F.
" TYPE #2 1808 L.F.
TOTAL INT. CURB & GUTTER 9710 L.F.

100% WOODLAWN 2034 L.F.
100% HWY 1793'

2" HOT MIX ASPHALTIC CONCRETE

STATION TO STATION	LENGTH	WIDTH	SQ.FT.	SQ.YDS.	* TON
STA. 1+00 TO 6+66 BLACKGATES RD.	566'	32'	18112		
APRON			1500		
			19612	2179.11	254.12
6+66 TO 9+96	330'	32'	10560.00		
9+96 TO 30+37	2041	28.84	58862.44		
30+37 TO 40+59	1022	36.84	37650.48		
			107,072.92	11896.99	1387.40
40+59 TO 49+00	841	36.84	30982.44		
49+00 TO 49+80	80	(AVE.) 30.92	2473.60		
			33456.04	3717.34	433.51
APRONS					
WHITBY RD.			1050		
HAVERHILL RD.			975		
AMBERLY RD.			750		
CRANEBROOK RD.			1725		
1/2 FOULKSTONE RD.			1313		
			5813	645.89	75.32
1/2 FOULKSTONE RD. NENAGH DRIVE			1312		
			750		
			2062	229.11	26.72
ENTRANCES					
3+50			300	33.33	3.89
15+50			250		
23+48			250		
2 AT 39+00			870		
			1370	152.22	17.75
2 AT 43+40			350		
2 AT 46+00			230		
47+40			70		
47+90			90		
			740	82.22	9.59
				TOTAL HOT MIX	2208.30

* 8.576 SY/T.

DISTRIBUTION

ITEM	HIGHWAY 100%	HIGHWAY 50%	WOODLAWN TRUSTEES 100%	WOODLAWN TRUSTEES 50%	TOTAL
EXCAVATION	2640 C.Y.	3330 C.Y.		3331 C.Y.	9301 C.Y.
ROCK EXCAVATION	30 C.Y.	35 C.Y.		35 C.Y.	100 C.Y.
WATER BOUND MACADAM	1862 TON	1893 TON		1893 TON	5648 TON
BORROW	—	85 CY		85 CY	170 CY.
SELECTED BORROW	1549 CY	2013 CY		2013 C.Y.	5575 C.Y.
INTEGRAL CURB & GUTTER	576' TYPE #2	616' TYPE #2		616' TYPE #2	1808 TYPE #2
" " "	1793 SP. TYPE	—	6109 SP. TYPE	—	7902 SPECIAL TYPE
HOT MIX ASPHALTIC CONC.	727.8 TON	740.2 TON		740.3 TON	2208.3 TON
TACK COAT RC1	1202 GAL	1205 GAL		1205 GAL	3612 GAL RC1
TOPSOILING	169 S.Y.	522 S.Y.		522 S.Y.	1213 S.Y.
SEEDING	.035 ACRE	0.108 ACRE		0.108 ACRE	0.251 ACRE
CALCIUM CHLORIDE	1.523 TON	1.738 TON		1.738 TON	5.0 TON
	100			50	
	2	1		1	2

DRAINAGE

STATION	15" R.C.P. L.F.	18" R.C.P. L.F.	21" R.C.P. L.F.	24" R.C.P. L.F.	27" R.C.P. L.F.	SD CATCH BASINS NUMBER	MAN HOLES NO.	CASTINGS LBS.	R.C.P. TEE FITTINGS NUMBER
1+88 TO 6+62	31'	21'				2-SD-1 2 PIN BD-2		1768	
	31	110				2 SD-1 2 PIN BD-2		1768	
6+62 TO 10+12	57	75			350X	2 SD-1 1 SD-2		2652	
10+12 TO 13+46				286X					
12+89 TO 13+47				69X					
10+12							1		
12+92							1		
13+34	20'					1 SD-1 1 SD-2		1768	
13+34 TO 13+46	10'								
13+46			31				1	130	15"x21"
13+46 TO 13+93	44'					1 SD-1		884	TEMP. WOOD PLUG
21+42 TO 21+70	20'					1 SD-1		884	
21+72 TO 21+80		34'				2 S.D.-2		1768	
21+80 TO 27+41		561'					1	130	
24+59	35'					1 SD-1		884	15"x18"
27+40	37'				✓	1 SD-1	1	1314	
27+40 TO 30+10		267'				2 SD-2		1768	
29+93 TO 30+10		14'					1	130	
29+93 TO 30+20	76'					1 SD-1		884	
30+10 TO 31+33			117'				1	130	
31+33 TO 32+23			88'				1	130	
32+23 TO 33+96	38'			165X		1 SD-1 1 SD-2		1768	15"x24"
33+96 TO 36+05					200'				
34+05 TO 35+30	45'	35'				1 SD-1 1 SD-2		2652	18"x27"
36+05 TO 38+40					241X		1	130	
38+40 TO 40+62				224X			2	260	
TOTAL WOODLAWN TRUSTEES	382	986	236	744X	200' 591X	10 SD-1 1 SD-2	11	21,526	4
40+62 TO 42+30				172X			1	130	
41+04	16'					1 SD-1		884	15"x24"
41+15	15'					1 SD-1		884	15"x24"
42+30 TO 44+98				269X					
44+66	20'	42'				1 SD-2 1 SD-2		2650	18"x24"
44+98 TO 45+37	20'	49'				1 SD-1 1 SD-2	1	1560	
45+37	40'					1 SD-1		884	
49+75 TO 50±	51'	51				2 SD-2		1768	
TOTAL HIGHWAY	1[illegible]	91	0	341X	0	6 SD-1 1 SD-2		8086	3
HWY + WOODLAWN	5[illegible]	1187	236	1185X	200' 591X	4 SD-1 1 SD-2	3/3	29,612	7
PROPOSAL	650	1300	[illegible]	[illegible]	[illegible]	32 SD-2 2 DTD	[illegible]	33850	12

100% HIGHWAY
100% WOODLAWN TRUSTEES
100% HIGHWAY

BEARINGS
TIE POINTS
BENCH MARKS
EARTHWORK
DRAINAGE

REVISIONS

"Imperial" 156 W. B. & K.