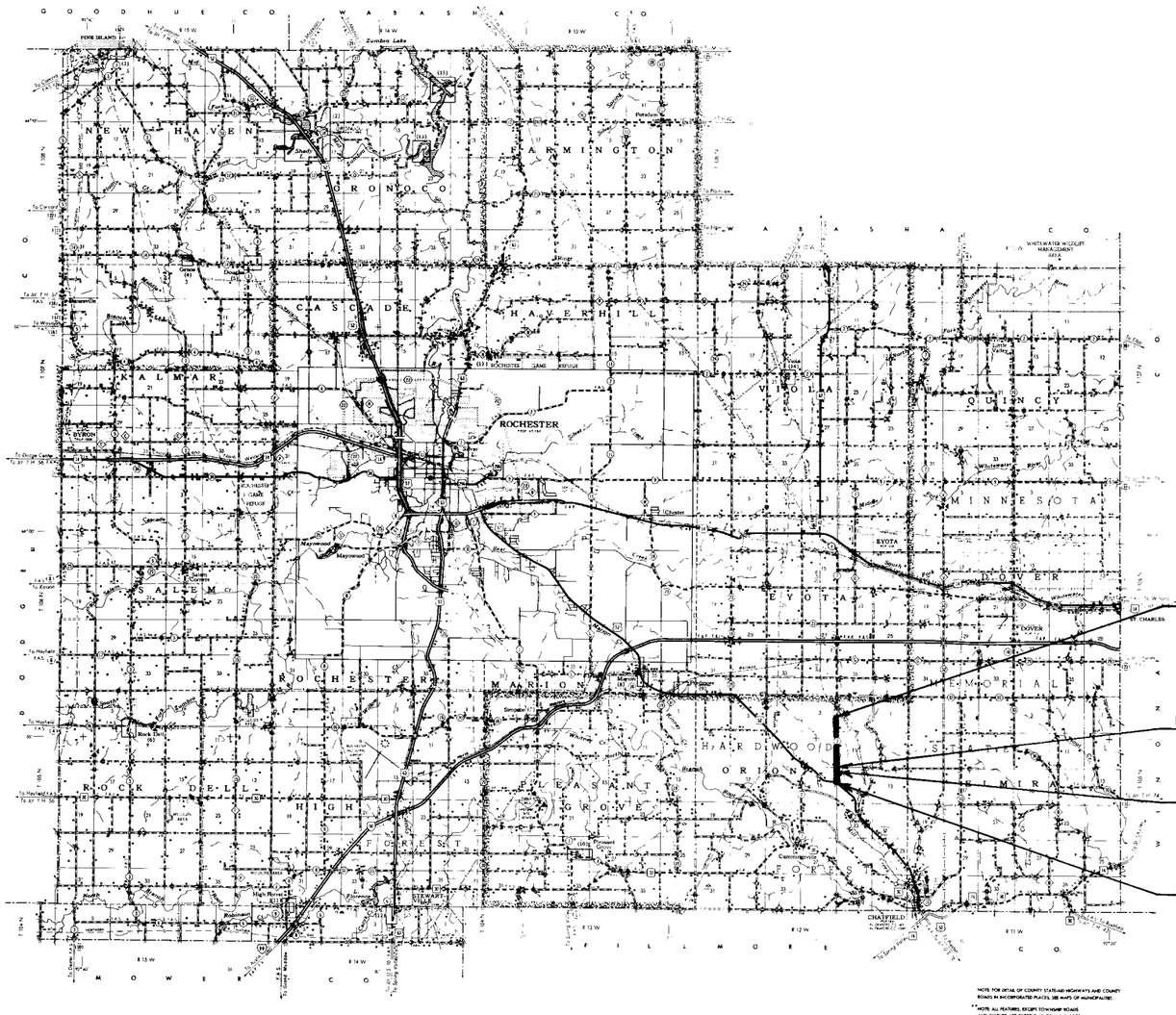
FORM 100-A '65

PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT-OF-WAY LINE
PRESENT RIGHT-OF-WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY LINE
RIVER OR CREEK (NAME)
DRY RUN (SIZE)
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F-FRAME C-CONCRETE
S-STONE T-TILE
B-BRICK ST-STUCCO
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH POLE LINE
JOINT TELEPHONE AND POWER ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL (TELEPHONE CABLE TERMINAL)
GAS MAIN
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER, (SANITARY OR STORM)
SEWER MANHOLE



NOTE FOR DETAIL OF COUNTY STATE-AID HIGHWAYS AND COUNTY ROADS IN INCORPORATED PLACES, SEE MAPS OF MUNICIPALITIES.

** NOTE: ALL FEATURES, EXCEPT TOWNSHIP ROADS AND CULTURE, ARE CURRENT AS OF JAN. 1, 1968.

NOTE: ERA NO. 1 ROUTE FOLLOWS TRUNK HWY NO. 63, MANKATO-ST. PAUL, TRUNK HWY NO. 52 AND TRUNK HWY NO. 61 TO HASTINGS.

NOTE: HWY NO. 52 EXTRA

NOTE: HWY NO. 61 EXTRA

Fed. Proj. No.

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR Groding, Concrete Box Culv. Ext. and Aggregate Base

COUNTY STATE AID HIGHWAY NO. 7

BETWEEN T.H. 52 **AND** 1.9 Miles North

From 348.6' East and 162.5' North E 1/4 Corner Sec. 15 T105 N-R12W
Give proper reference to Sections, Township and Range

To 247.8' South E1/4 Corner Sec. 3 T105 N-R12 W

GROSS LENGTH	10135.0	FEET 1.919	MILES
BRIDGES-LENGTH	75.0	FEET .014	MILES
EXCEPTIONS-LENGTH		FEET	MILES
NET LENGTH	10060.0	FEET 1.905	MILES

INDEX OF SHEETS

Sheet No. 1 Title Sheet & Layout Map
" No. 2 Est. Quantities & Typical Sec
" No. 3 To 6 Plan & Profile
" No. 7 To 21 Cross Sections

DESIGN SPEED 50 M. P. H.

PROJECTED A. D. T. 850
HCADT less than 150

9T TON DESIGN

SOIL FACTOR 130

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

A. A. Sebelius — COUNTY ENGINEER — DATE Jan. 25 1971

Olmsted COUNTY REG. NO 8284

RECOMMENDED FOR APPROVAL Keith Peterson — DISTRICT STATE AID ENGINEER — 1/26, 1971

RECOMMENDED FOR APPROVAL C.E. Weichselbaum — 2-16, 1971

APPROVED 2/16, 1971 — Gordon M. Fay — STATE AID ENGINEER

— SPECIFICATIONS —

STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
DATED JANUARY 1, 1968, AS AMENDED BY SUPPLEMENTAL SPECIFICATIONS
DATED JULY 1,1969 SHALL GOVERN.

S.A.P. 55-607-06
Minn. Project No. _____ State Project No. _____

Olmsted County, Minnesota. County Proj. No. _____ Plan No. _____ Sheet 1 of 21 Sheets

ALBINSON, INC.
MINNEAPOLIS, MINN. 55415

ESTIMATED QUANTITIES

	SPECIFICATION NO.	ITEM	UNIT	MUNICIPAL	RURAL	TOTAL ESTIMATED QUANTITIES
	2101.502	Clearing	Tree		156	156
	2101.507	Grubbing	Tree		139	139
	2104.501	Remove Portable Culverts	Lin. Foot		562	562
①	2104.520	Remove Concrete Box Culvert	Structure		1	1
	2105.507	Subgrade Excavation	Cu. Yd.		3012	3012
②	2105.515	Unclassified Excavation	Cu. Yd.		116542	116542
③	2123.501	Common Laborers	Hour		10	10
③	2123.503	Motor Grader	Hour		8	8
③	2123.508	15 C.Y. Scraper	Hour		8	8
③	2123.509	Dozer	Hour		8	8
④	2130.501	Water	(M) Gal.		30	30
⑤	2211.501	Aggregate Base Class 2	Ton		16496	16496
⑥	2411.501	Concrete Mix No. 3Y33	Cu.Yd.		26.2	26.2
⑦	2411.501	Concrete Mix No. 3Y43	Cu.Yd.		11.1	11.1
	2411.511	Structure Excavation Class "U"	Cu.Yd.		68	68
	2411.541	Reinforcement Bars	Pound		5348	5348
	2501.511	18" Metal Pipe Culvert	Lin. Foot		88	88
	2501.523	24" Concrete Culvert Class II	Lin. Foot		130	130
	2501.532	18" Metal Aprons	Apron		4	4
	2501.536	24" Conc. Aprons	Apron		2	2
	2501.571	Install Metal Culverts	Lin. Foot		378	378
	2501.572	Install Concrete Culverts	Lin. Foot		52	52
⑧	2501.524	115" Span Concrete Pipe-Arch Culvert Class II	Lin. Foot		140	140
	2501.537	115" Span Concrete Apron	Apron		2	2

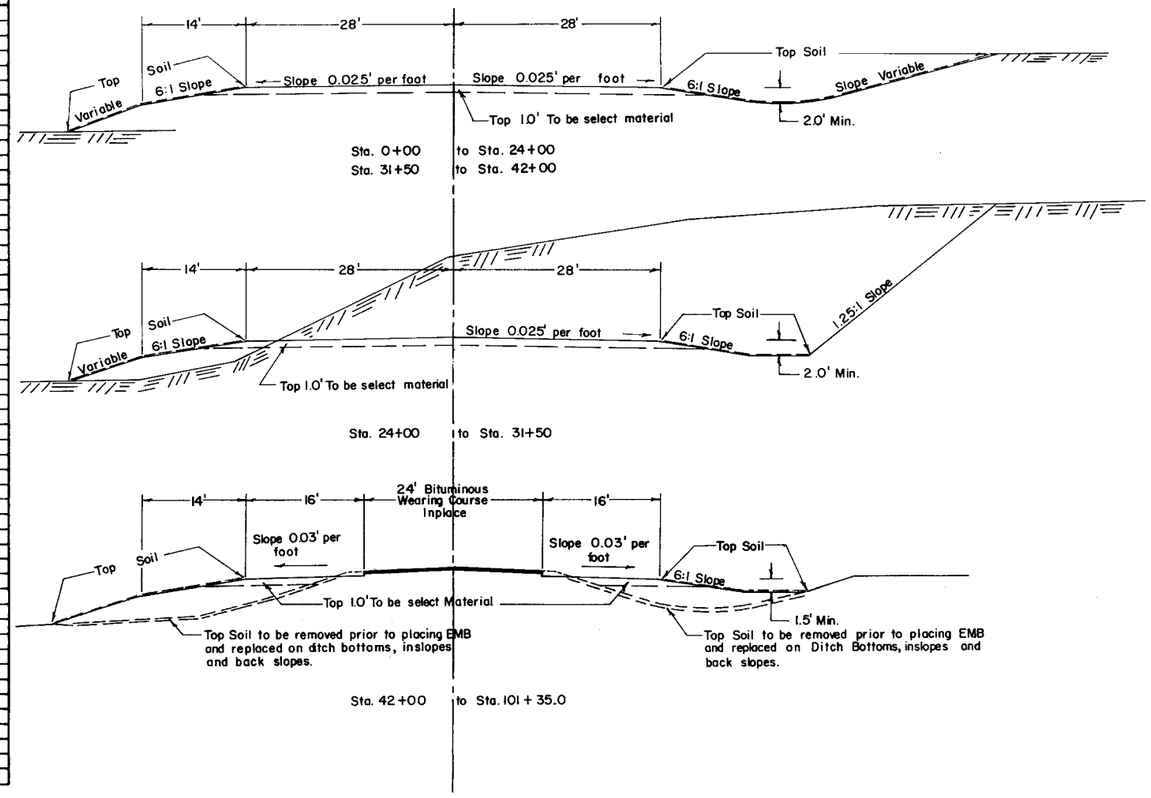
① Sta. 32+72, Size 8'X6'X 60' skewed Concrete Box Culvert
② Includes 1745 Cu. Yds. Top Soil to be salvaged from Sta. 11+50 to Sta. 19+70
③ Equipment Hours for Obliterate Old Road and Construction of Approach Lt. Sta. 23+30
④ To be used as a dust preventive.
⑤ Includes 15656 Tons for Road, 540 Tons for Residental Drives and 300 Tons for F. Ents.
⑥ Concrete Mix for Top and Bottom Slabs.
⑦ Concrete Mix for Side Walls and Wing Walls.
⑧ Pipe shall have sealed joints and concrete pipe joint ties.

STANDARD DETAIL PLATES

THE FOLLOWING STANDARD DETAIL PLATES, APPROVED BY THE BUREAU OF PUBLIC ROADS, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
0001 A	SPECIFICATION REFERENCE TO STANDARD PLATES.
3000 F	REINFORCED CONCRETE PIPE.
3014 E	REINFORCED CONCRETE PIPE-ARCH.
3040 C	CORRUGATED METAL PIPE.
3065 B	CONNECTION BET. EXISTING CULV. & NEW "C" CULV. BARREL
3100 F	CONCRETE APRON FOR REINFORCED CONCRETE PIPE.
3114 C	SECTIONAL CONCRETE APRONS FOR REINFORCED CONC. PIPE-ARCH
3123 F	METAL APRON FOR C.M. PIPE.
3124 A	METAL APRON CONNECTION.
8000 C	STANDARD BARRICADES.
8008 D	CONTRACTORS SIGN.
9000 B	APPROACHES AND ENTRANCES.
3145 A	CONCRETE PIPE JOINT TIES.

TYPICAL GRADING SECTIONS

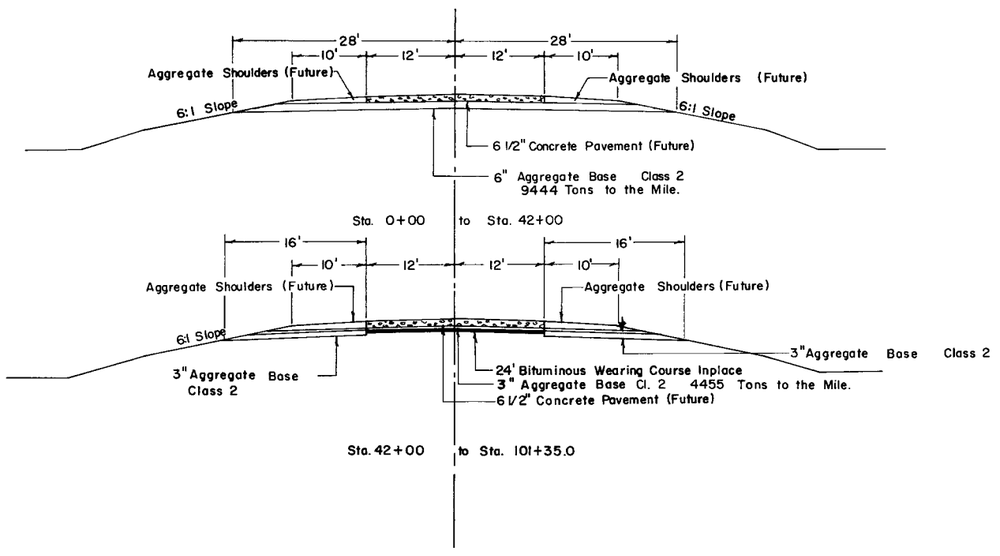


Sta. 0+00 to Sta. 24+00
Sta. 31+50 to Sta. 42+00

Sta. 24+00 to Sta. 31+50

Sta. 42+00 to Sta. 101+35.0

TYPICAL BASE SECTION



Sta. 0+00 to Sta. 42+00

Sta. 42+00 to Sta. 101+35.0

SPECIAL DETAILS

Note: Material from the upper 1.0' of the natural topsoil shall not be used in the upper 1.0' of the roadway. Part of this material shall be uniformly spread on slopes and ditch bottoms to a depth of 3". No payment in addition to the contract price for "Unclassified Excavation" will be made for spreading the topsoil as above provided, nor will any undercutting made in excavation prior to placing the topsoil, be measured for payment.

Note: Corrugated metal and Sectional Concrete pipe culvert excavation will be considered incidental, and will be under unit price for "Furnish and Install Culvert Pipe".

Note: Subgrade Treatment:
Excavate 1.0' below profile grade for compaction, as shown on the plan and profile sheets. Excavation has been computed and is listed as Subgrade Excavation. Backfill with select material from R.O.W. Tapers shall be 50:1 in all cases.

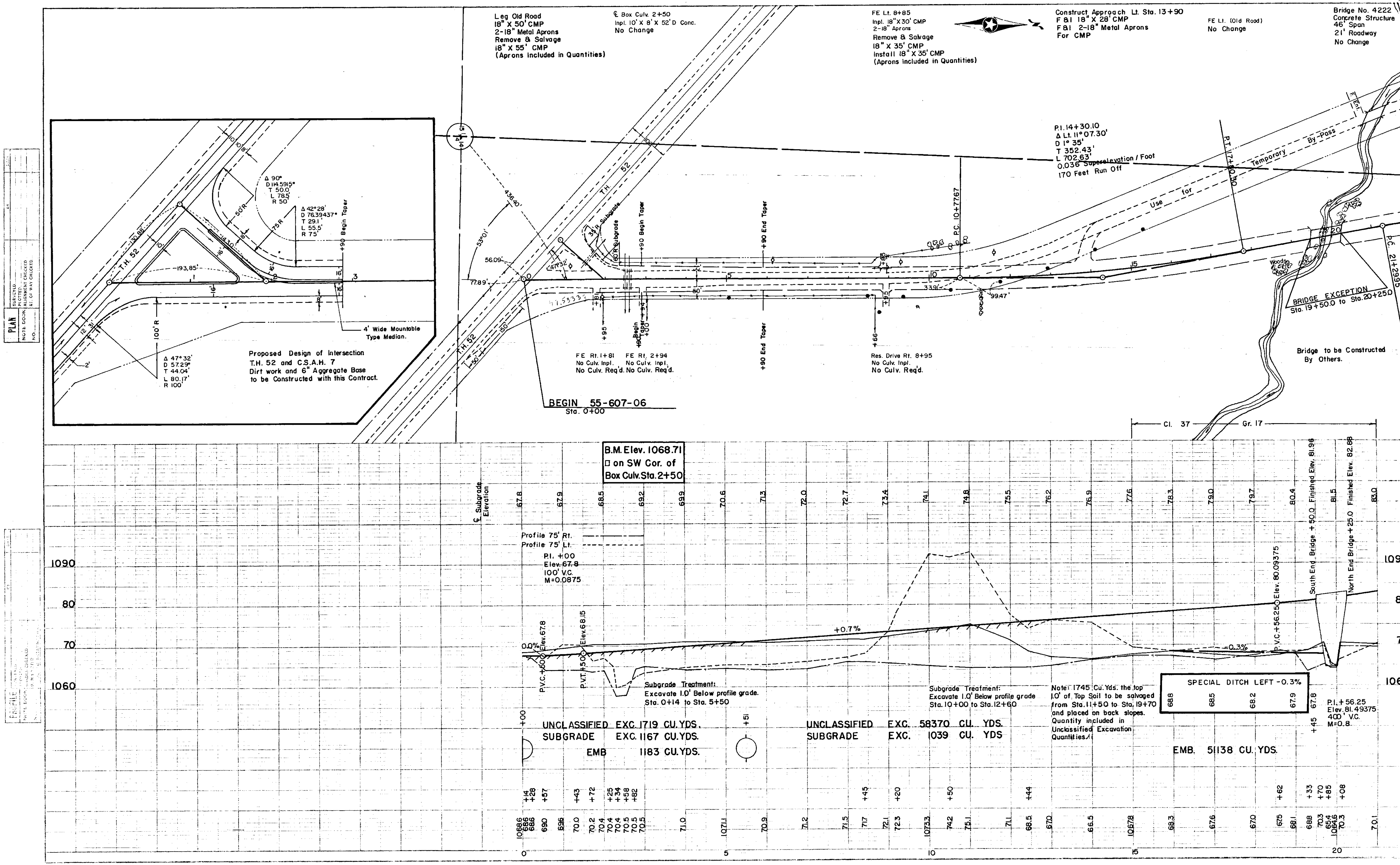
Note: Place Sectional Concrete Pipe on Class "B" and Class "C" Bedding.

Note: All dimensions and slopes shown on typical sections are approximate.

Minn. Proj. No._____

S.A.P. 55-607-06
State Project No._____

ALBINSON, INC. MINNEAPOLIS


Leg Old Road
18" X 50' CMP
2-18" Metal Aprons
Remove & Salvage
18" X 55' CMP
(Aprons Included in Quantities)
℄ Box Culv. 2+50
Inpl. 10' X 8' X 52' D Conc.
No Change
FE Lt. 8+85
Inpl. 18" X 30' CMP
2-18" Aprons
Remove & Salvage
18" X 35' CMP
Install 18" X 35' CMP
(Aprons Included in Quantities)
Construct Approach Lt. Sta. 13+90
F & I 18" X 28' CMP
F & I 2-18" Metal Aprons
For CMP
FE Lt. (Old Road)
No Change
Bridge No. 4222
Concrete Structure
46' Span
21' Roadway
No Change
Δ 90°
D 114.5915°
T 50.0'
L 78.5'
R 50'
Δ 42°28'
D 76.39437°
T 29.1'
L 55.5'
R 75'
+90 Begin Taper
T.H. 52
130.88'
193.85'
143.0'
50'R
75R
100'R
4' Wide Mountable Type Median.
Δ 47°32'
D 57.29°
T 44.04'
L 80.17'
R 100'
Proposed Design of Intersection
T.H. 52 and C.S.A.H. 7
Dirt work and 6" Aggregate Base
to be Constructed with this Contract.
436.40'
53°01'
56.09'
77.89'
47°32'
35'R Subgrade
60'R Subgrade
+90 End Taper
P.C. 10+77.67
33.91'
99.47'
FE Rt. 1+81
No Culv. Inpl.
No Culv. Req'd.
FE Rt. 2+94
No Culv. Inpl.
No Culv. Req'd.
Res. Drive Rt. 8+95
No Culv. Inpl.
No Culv. Req'd.
BEGIN 55-607-06
Sta. 0+00
P.I. 14+30.10
Δ Lt. 11°07.30'
D 1° 35'
T 352.43'
L 702.63'
0.036 Superelevation / Foot
170 Feet Run Off
P.T. 17+80.30
Use for Temporary By-Pass
F. Ent.
Woods
BRIDGE EXCEPTION
Sta. 19+50.0 to Sta. 20+25.0
P.C. 21+29.95
Bridge to be Constructed By Others.
Cl. 37
Gr. 17
B.M. Elev. 1068.71
□ on SW Cor. of
Box Culv. Sta. 2+50
℄ Subgrade Elevation
67.8 67.9 68.5 69.2 69.9 70.6 71.3 72.0 72.7 73.4 74.1 74.8 75.5 76.2 76.9 77.6 78.3 79.0 79.7 80.4 81.5 83.0
South End Bridge +50.0 Finished Elev. 81.96
North End Bridge +25.0 Finished Elev. 82.88
Profile 75' Rt.
Profile 75' Lt.
P.I. +00
Elev. 67.8
100' V.C.
M=0.0875
1090
80
70
1060
0.0%
P.V.C. +50 Elev. 67.8
P.V.T. +50 Elev. 68.15
+0.7%
-0.3%
P.V.C. +56.25 Elev. 80.09375
Subgrade Treatment:
Excavate 1.0' Below profile grade.
Sta. 0+14 to Sta. 5+50
Subgrade Treatment:
Excavate 1.0' Below profile grade
Sta. 10+00 to Sta. 12+60
Note: 1745 Cu. Yds. the top 1.0' of Top Soil to be salvaged from Sta. 11+50 to Sta. 19+70 and placed on back slopes. Quantity included in Unclassified Excavation Quantities.
SPECIAL DITCH LEFT -0.3%
68.8 68.5 68.2 67.9 67.8
P.I. +56.25
Elev. 81.49375
400' V.C.
M=0.8
+00
UNCLASSIFIED EXC. 1719 CU. YDS.
SUBGRADE EXC. 1167 CU. YDS.
EMB 1183 CU. YDS.
+51
UNCLASSIFIED EXC. 58370 CU. YDS.
SUBGRADE EXC. 1039 CU. YDS
+45
EMB. 51138 CU. YDS.
+14 +28 +57 +43 +72 +25 +34 +58 +82 +45 +20 +50 +44 +62 +33 +70 +85 +08
1068.6 68.6 68.6 69.0 69.6 70.0 70.2 70.4 70.4 70.4 70.5 70.5 70.5 71.0 1071.1 70.9 71.2 71.5 71.7 72.1 72.3 1073.3 74.2 75.1 71.1 68.5 67.0 66.5 1067.8 68.3 67.6 67.0 67.5 68.1 68.8 70.3 65.4 1064.6 70.3 70.1
0
5
10
15
20
PLAN
PROFILE

Construct Temporary Approach to Old Road.

Res. Drive Lt. S23+30
Inpl. 24" X 30' CMP
2 Aprons
Remove & Salvage
24" X 37' CMP
Install 24" X 37' CMP
(Aprons Included in Quantities)

℄ Box Culv. 32+72 (Old Road)
Inpl. 8'X6'X60' skewed 45° (with Old Road)
Remove Structure
F&I 115" Span X 140' + 30°skew RCP-A
Class II
F&I 2-115" Span Conc. Aprons
For SCP-A
Place Culv. on "B" Bedding
F&I Approved Joint Fasteners
Seal all joints

Res. Drive Lt. 33+57
Inpl. 18" X 42' CMP
2 Aprons
Remove & Salvage
18" X 47' CMP
Install 18" X 47' CMP
(Aprons Included in Quantities)

Res. Drive Lt. 38+20
No Culv. Inpl.
No Culv. Req'd.

℄ Culv. 38+89
Inpl. 24" X 40' RCP
2 Aprons (12 Lin. Feet)
Remove & Salvage
24" X 52' SCP
INST. 24" X 52' SCP
F&I 24" X 38' SCP Class II
Install 2-24" Conc. Aprons
(12 Lin. Feet)
Place Culv. on "C" Bedding

Res. Drive Lt. 40+88
No Culv. Inpl.
No Culv. Req'd.

T 105 N R 12 W
SEC 14

OBLITERATE TEMPORARY BY-PASS RES. DRIVE OLD ROAD EQUIPMENT HOURS

100'R

34.48'
40.17'
45.60°
75°
51.42°
79.32'

P.O.T. 33+96.90

END GRADING- BEGIN WIDENING
Sta. 42+00

Sewer Outlet

Woods

Res. Drive Rt. 23+30
No Culv. Inpl.
Move Approach to Sta. 22+90
F&I 18" X 60' CMP
F&I 2-18" Metal Aprons
For CMP

FE Rt. 32+36
No Culv. Inpl.
No Culv. Req'd.

℄ Culv. Box 41+24
Inpl. 6'X6'X54'
Extend 12' Lt. & 20' Rt.
Conc. 3Y33 26.2 Cu. Yds.
Conc. 3Y43 11.1 Cu. Yds.
Class "U" Exc. 68 Cu. Yds.
Reinf. Bars 5,348 lbs.

FE Rt 43+94
No Culv. Inpl.
No Culv. Req'd.

Woods

Sta. 19+500

BRIDGE EXCEPTION

Sta. 20+250

P.C. 21+29.95

Res. Drive

P.I. 24+84.44
Δ Rt. 12°21'30"
D 1°45'
T 354.49'
L 706.19'
170' Feet Run Off
0.036' Superelevation / Foot

P.T. 28+36.14

B.M. Elev. 1075.81
X in South end East
Curb Br. No. 4222

Cl. 119 Gr. 122

Profile 75' Rt.
Profile 75' Lt.

P.I. +56.25
Elev. 81.49375
400' V.C.
M=0.8

South End Bridge +50.0

North End Bridge +25

P.V.T. +56.25 ℄ Elev. 86.09375

+2.3%

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
Sta. 23+75 to Sta. 31+80

Inlet Elev. 93.0
Outlet Elev. 90.0

P.V.C. +68.750 Elev. 20.88125

Inlet 21.0
Outlet Elev. 13.8

Inlet Elev. 18.1
Outlet Elev. 14.2

P.V.T. +68.750 ℄ Elev. 28.48125

℄ Elev. Top Wearing Course

+1.5%

P.I. +68.75
Elev. 25.48125
400' V.C.
M=0.4

P.V.C. +57.69231 ℄ Elev. 31.56538

P.V.T. +57.69231 ℄ Elev. 42.76538

+4.1%

P.I. +57.69231
Elev. 34.56538
400' V.C.
M=1.3

℄ Subgrade Elevation

PLAN: SURVEYED, PLOTTED, NOTE BOOK, ALIGNMENT CHECKED, BY, NO., DATE

PROFILE: SURVEYED, PLOTTED, NOTE BOOK, ALIGNMENT CHECKED, BY, NO., DATE

PLATE FILM - PROFILE

55-607-06 C.S.A.H. 7 Sheet 4 of 21 Sheets

F E Lt. 63+35
No Culv. Inpl.
No Culv. Req'd.

℄ Culv. 64+27
Inpl. 24" X 70' CMP
2 Aprons
Remove & Salvage
24" X 77' CMP

F & I 24" X 92' R C P CL. 2
F & I 2-24" Conc. Aprons For R.C.P.
Construct Ditch Block

Place Culv. on "C" Bedding

Res Drive Lt. 71+23
Inpl. 18" X 32' CMP
2 Aprons
Remove & Salvage
18" X 37' CMP
Install 18" X 37' CMP
(Aprons Included in Quantities)

Res. Drive Lt. 71+70
Inpl. 18" X 34' CMP
2 Aprons
Remove & Salvage
18" X 39' CMP
Install 18" X 39' CMP
(Aprons included in Quantities)

F E Lt. 75+68
Inpl. 18" X 30' CMP
2 Aprons
Remove & Salvage
18" X 35' CMP
Install 18" X 35' CMP
(Aprons Included in Quantities)

℄ Culv. 79+58
Inpl. 24" X 72' CMP
No Culvert Req'd.

P.I. 53+50.46

P.I. 61+03.04
Δ = 0°39'

P.O.T. 75+13.54

Garage

Ho.

6365'

9840'

51.54'

61.78'

85.72'

44.78'

Farm Ent. Rt. 55+28
Inpl. 24" X 36' CMP
2 Aprons
Remov & Salvage
24" X 43' CMP
Install 24" X 43' CMP
(Aprons Included in Quantities)

Farm Ent Rt. 59+25
Inpl. 18" X 30' CMP
2 Aprons
Remove & Salvage
18" X 35' CMP
Install 18" X 35' CMP
(Aprons Included in Quantities)

F E Rt. 77+64
Inpl. 18" X 30' CMP
2 Aprons
Remove & Salvage
18" X 35' CMP
Install 18" X 35' CMP
(Aprons Included in Quantities)

B.M. Elev. 1161.90
Spk. in TP 38' Rt.
Sta. 53+04

B.M. Elev. 1259.71
Spk. Cor. Post 50'
Rt. Sta. 77+53

Profile 75' Rt.
Profile 75' Lt.

P.V.C. +65.45556 Elev. 83.65556

P.V.T. +111.11111 Elev. 83.65556

P.V.C. +82.50 Elev. 86.225

P.V.T. +62.5 Elev. 85.225

P.V.C. +37.5 Elev. 89.775

Inlet Elev. 98.3

Outlet Elev. 97.5

P.V.T. +37.5 Elev. 28.775

P.V.C. +5.99 Elev. 39.4

P.V.T. +50.0 Elev. 57.4

+4.1%

+5.0%

+2.6%

+5.0%

+2.2%

P.I. +11.11111
Elev. 73.65556
400' V.C.
M = 0.45

P.I. +12.5
Elev. 98.725
500' V.C.
M = 1.5

P.I. +87.5
Elev. 16.275
500' V.C.
M = 1.5

P.I. +00
Elev. 51.9
500' V.C.
M = 1.75

UNCLASSIFIED EXC. 56453 CU. YDS.
SUBGRADE EXC. 806 CU. YDS.
EMB. 51613 CU. YDS.

PLATE 1 - PLAN - PROFILE

55-607-06 C.S.A.H. 7 Sheet 5 of 21 Sheets

Farm Ent. Lt. 88+84
No Culv. Inpl.
No Culv. Req'd.

Farm Ent. Lt. 93+78
No Culv. Inpl.
No Culv. Req'd.

FE Lt. 94+27
No Culv. Inpl.
No Culv. Req'd.

P.O.T. 87+84.51

P.I. 91+71.65

P.I. 102+58.78
Δ Lt. 0°50'
BEGIN CONCRETE

BEGIN S.P 55-607-02 S6262 (3)
Sta. 102+00 Graded 1968 = Sta. 100+61.78

Sta. 104+00 S.A.P 55-607-05
CONCRETE PAVING (1969)

Bushes
Cistern
Windmill
Legs
Ho
House
29.00'
50.69'
56.37'
47.42'
50'
50'

END S.A.P. 55-607-06
Sta. 101+35.0

Farm Ent. Rt. 90+86
Inpl. 18" X 30' CMP
2 Aprons
Remove & Salvage
18" X 35' CMP
Install 18" X 35' CMP
(Aprons Included in Quantities)

℄ Culv. 102+06
Inpl. 24" X 78" SCP
2 Aprons
No Change

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ASSIGNMENT CHECKED
AT. OF WAY CHECKED
NO.
DATE

B.M. Elev. 1264.18
Spk. in TP 47' Rt.
Sta. 81+60

B.M. Elev. 1279.35
Spk. in Cor. Post 45' Rt. Sta. 89+63

B.M. Elev. 1263.86
Spk. in PP 50' Lt.
Sta. 97+14

B.M. Elev. 1257.91
Spk. in PP Rt.
Sta. 106+70

Profile 75' Rt.
Profile 75' Lt.

+2.2%
-1.0%
-1.8%
-0.4%

P.V.C. +03.125 Elev. 76.16875
P.I. +53.125
Elev. 81.66875
500' V.C.
M = 2.0
P.V.T. +03.125 Elev. 79.16875
P.V.C. +25.0 Elev. 77.95
P.I. +25.0
Elev. 75.95
400' V.C.
M = 0.4
P.V.T. +25.0 Elev. 72.55
P.V.C. +26.57142 Elev. 66.88572
P.I. +28.57142
Elev. 63.28572
400' V.C.
M = 0.70
P.V.T. +28.57142 Elev. 62.48572
P.V.C. +68.92285 Elev. 63.15943

PROFILE
NOTE BOOK
NO.

PLATE 1 - PLAN - PROFILE