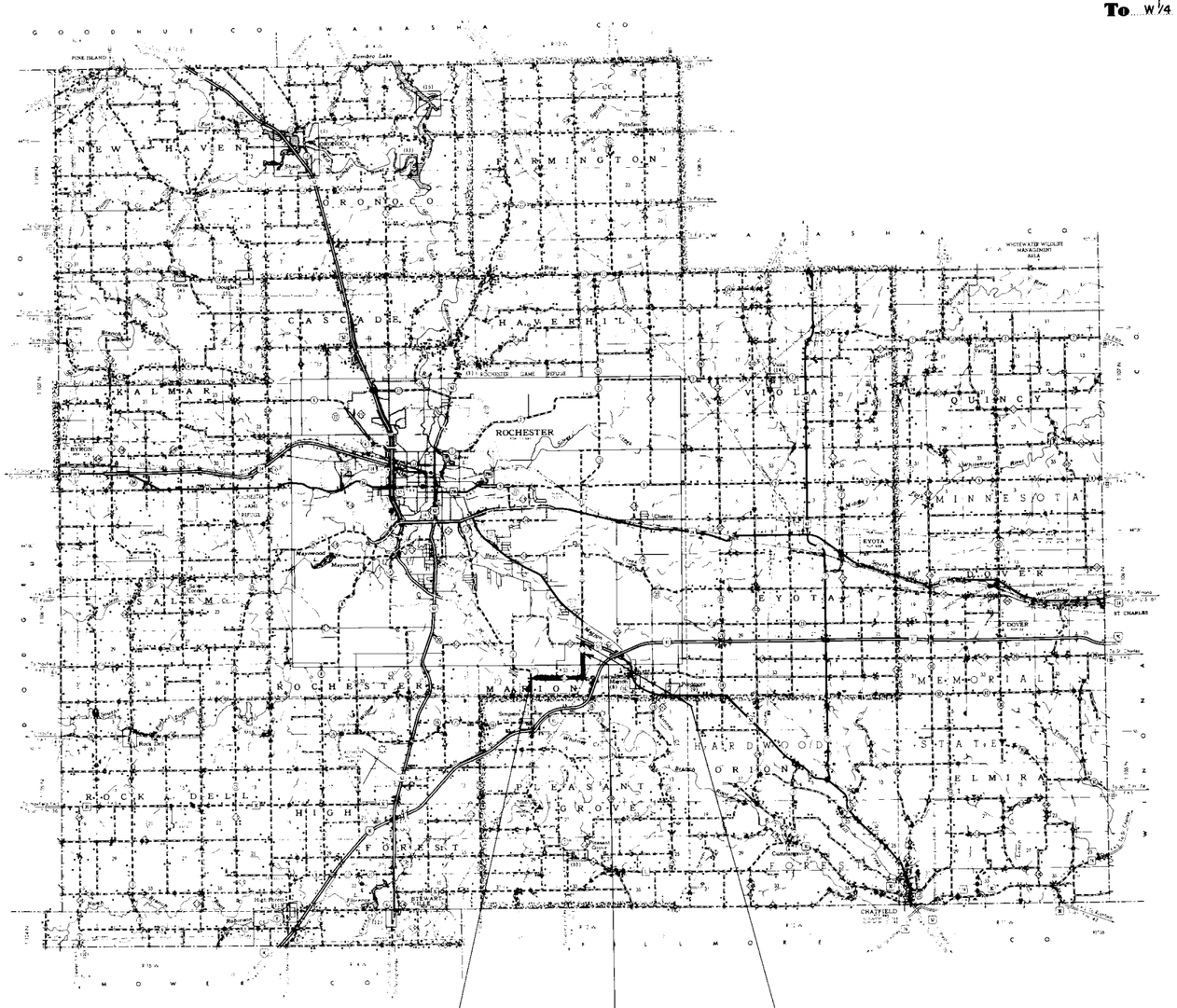
FORM 100-A '65

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
DRAINAGE DITCH (SIZE)
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE (W)
WOVEN WIRE FENCE (W)
CHAIN LINK FENCE (C-L)
RAILROAD SNOW FENCE (C-L)
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
(TIMBER)
CATCH BASIN C.B.
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame) (1 S T)
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 (G)
SAND PIT (S)
BORROW PIT (B)
ROCK QUARRY (Q)

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 (G)
WATER MAIN (I)
CONDUIT
TELEPHONE CABLE IN CONDUIT (T)
ELECTRIC CABLE IN CONDUIT (P)
TELEPHONE MANHOLE (T)
ELECTRIC MANHOLE (P)
BURIED TELEPHONE CABLE T-BUR
BURIED ELECTRIC CABLE P-BUR
AERIAL TELEPHONE CABLE T-AE
SEWER, (SANITARY OR STORM)
SEWER MANHOLE



Fed. Proj. No.

STATE OF MINNESOTA

DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR Grading, Aggregate Base.

COUNTY ROAD **NO.** III

BETWEEN CSAH I **AND** TH 52

From Center Sec. 32 T106N – R13W
Give proper reference to Sections, Township and Range

To W 1/4 Corner Sec. 27 T106N – R13W

GROSS LENGTH	12807.50	FEET	2.426 MILES
BRIDGES-LENGTH	0	FEET	0 MILES
EXCEPTIONS-LENGTH	0	FEET	0 MILES
NET LENGTH	12807.50	FEET	2.426 MILES

INDEX OF SHEETS

Sheet No. 1 Title Sheet & Layout Map
" No. 2 Est Quantities & Typical Sec
" No. 3 To 7 Plan & Profile
" No. 8 To 25 Cross Sections
" No. 26 x Section and Profile Twp. Rd. Rt. Sta. 76+81
" No. 27 x Sections, Plan and Profile Approach Rt. Sta. 101+94

DESIGN SPEED 50 M. P. H.

PROJECTED A. D. T. 392

7 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.

COUNTY ENGINEER DATE March 30 1976

COUNTY REG. NO. 8284

RECOMMENDED FOR APPROVAL _____ 19___
DISTRICT STATE AID ENGINEER

RECOMMENDED FOR APPROVAL _____ 19___

APPROVED _____ 19___
STATE AID ENGINEER

— SPECIFICATIONS —

MINNESOTA HIGHWAY DEPARTMENT "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JANUARY 1, 1972, AS AMENDED BY "SUPPLEMENTAL SPECIFICATIONS" DATED JANUARY 1, 1974, SHALL GOVERN.

Minn. Project No. _____ S.A.P. _____ State Project No. _____

OLMSTED County, Minnesota. County Proj. No. CIII-76-1 **Plan No.** _____ **Sheet 1 of** 27 **Sheets**

AS BUILT PLANS

ESTIMATED QUANTITIES

	SPECIFICATION NO	ITEM	UNIT	MUNICIPAL	RURAL	TOTAL ESTIMATED QUANTITIES	
	2101.501	Clearing	Acre		1.56	1.56	
	2101.502	Clearing	Tree		334	334	
	2101.506	Grubbing	Acre		1.56	1.56	
	2101.507	Grubbing	Tree		243	243	
	2104.501	Remove Pipe Culvert	Lin. Ft.		583	583	
(1)	2104.509	Remove Conc. Box Culvert	Each		4	4	
	2105.501	Common Excavation	Cu. Yd.		64467	64467	(P)
	2105.503	Rock Excavation	Cu. Yd.		56227	56227	
	2105.507	Subgrade Excavation	Cu. Yd.		5967	5967	
(2)	2123.501	Common Laborers	Hour		8	8	
(2)	2123.503	Motor Grader	Hour		8	8	
(2)	2123.508	15 Cu. Yd. Scraper	Hour		32	32	
(2)	2123.509	Dozer	Hour		48	48	
(3)	2130.501	Water	M-Gallons		15	15	
(4)	2211.501	Aggregate Base, Class 2	Ton		9577	9577	
	2501.511	18" C.S. Pipe Culvert	Lin. Ft.		556	556	
	2501.511	24" C.S. Pipe Culvert	Lin. Ft.		28	28	
	2501.511	36" C.S. Pipe Culvert	Lin. Ft.		80	80	
	2501.511	24" R.C. Pipe Culvert Class II	Lin. Ft.		226	226	
	2501.511	30" R.C. Pipe Culvert Class II	Lin. Ft.		56	56	
	2501.511	42" R.C. Pipe Culvert Class II	Lin. Ft.		56	56	
	2501.511	48" R.C. Pipe Culvert Class II	Lin. Ft.		80	80	
	2501.511	60" R.C. Pipe Culvert Class II	Lin. Ft.		52	52	
	2501.511	84" R.C. Pipe Culvert Class III	Lin. Ft.		94	94	
	2501.511	90" R.C. Pipe Culvert Class III	Lin. Ft.		56	56	
	2501.511	90" R.C. Pipe Culvert Class IV	Lin. Ft.		16	16	
	2501.511	90" R.C. Pipe Culvert Class V	Lin. Ft.		64	64	
	2501.515	90" R.C. Pipe Aprons	Each		2	2	
	2501.515	18" G.S. Pipe Aprons	Each		38	38	
	2501.515	24" G.S. Pipe Aprons	Each		2	2	
	2501.515	36" G.S. Pipe Aprons	Each		2	2	
	2501.515	24" R.C. Pipe Aprons	Each		6	6	
	2501.515	30" R.C. Pipe Aprons	Each		2	2	
	2501.515	42" R.C. Pipe Aprons	Each		2	2	
	2501.515	48" R.C. Pipe Aprons	Each		2	2	
	2501.515	60" R.C. Pipe Aprons	Each		2	2	
	2501.515	84" R.C. Pipe Aprons	Each		2	2	
	2501.521	138" Span R.C.P.-Arch Culv. Class II A	Lin. Ft.		30	30	
	2501.521	138" Span R.C.P.-Arch Culv. Class III A	Lin. Ft.		36	36	
	2501.521	138" Span R.C.P.-Arch Culv. Class IV A	Lin. Ft.		70	70	
	2511.501	Random Rip-Rap Class A	Cu. Yd.		136	136	
	2511.504	Filter Blanket Type 1	Cu. Yd.		68	68	
	2501.525	138" Span R.C. Pipe-Arch Aprons	Each		2	2	
(5)	2104.521	Salvage Pipe Culvert	Lin. Ft.		100	100	

(P) Plan Quantity.

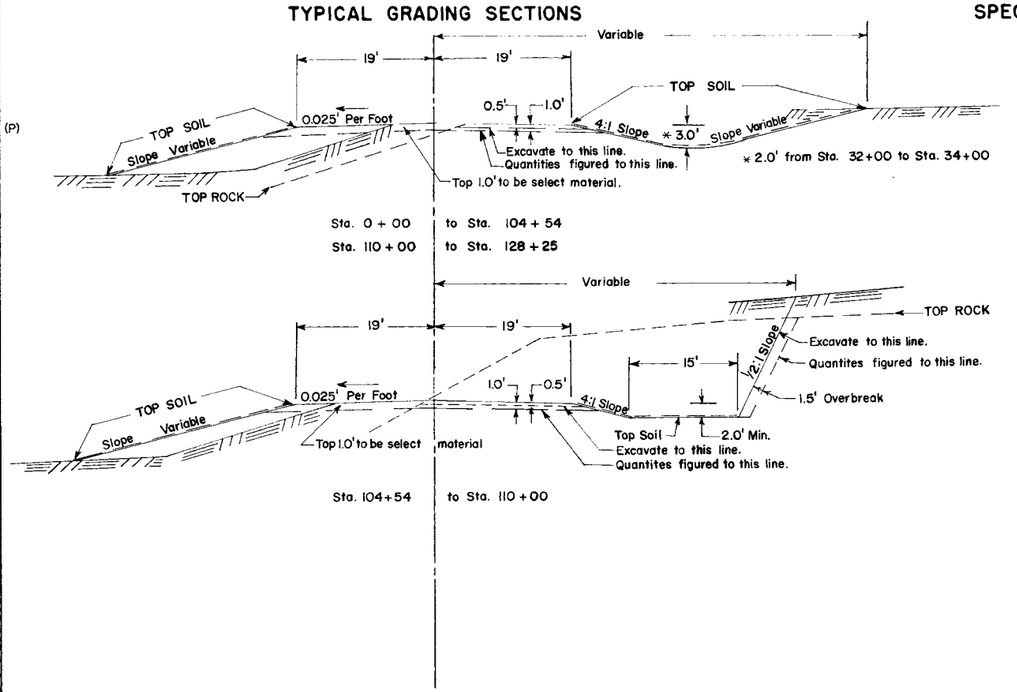
(1.) Sta. 21+32 inplace 4'x6'x20' Concrete Box Culv. - Sta. 103+80 inplace 10'x8'x45' Concrete Box Culv. - Sta. 124+99 inplace 4'x6'x20.5' Conc. Box Culv. Sta. 69+31 inplace 6'x6'x93' Concrete Box Culv.
(2.) For obliterating old road.
(3.) To be used as a dust preventative.
(4.) Includes 240 Tons for F. Ent., 342 Tons for Residental Drives, and 478 Tons for Public Road Approaches.
(5.) Culverts to become the property of the land owner as noted in the plans.

STANDARD PLATES

THE FOLLOWING STANDARD PLATES, APPROVED BY THE DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINSTRATION SHALL APPLY ON THIS PROJECT.

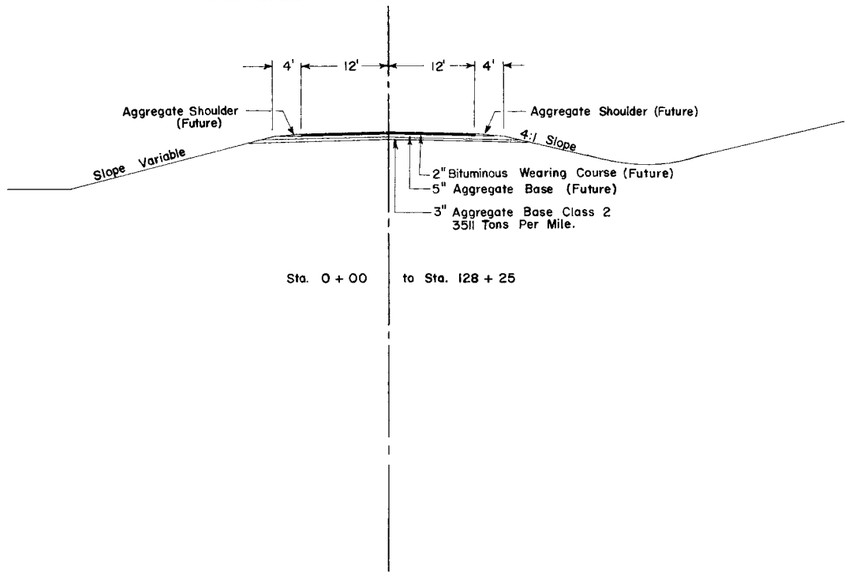
PLATE NO	DESCRIPTION
0002 A	SPECIFICATION REFERENCE TO STANDARD PLATES
3000 F	REINFORCED CONCRETE PIPE
3040 D	CORRUGATED METAL PIPE
3065 B	CONNECTION BET. EXISTING CULV. + NEW "C" CULV. BARREL
3100 F	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
3014 G	REINFORCED CONCRETE PIPE ARCH DETAIL
3114 D	SECTIONAL CONCRETE APRON FOR REINFORCED CONCRETE PIPE-ARCH
3123 G	METAL APRON FOR C.M. PIPE
3124 A	METAL APRON CONNECTION
3133 A	RIPRAP AT RCP OUTLETS
3145 A	CONCRETE PIPE JOINT TIES U BOLT TIE
8000 F	STANDARD BARRICADES
9000 B	APPROACHES AND ENTRANCES
3004 B	REINFORCED CONCRETE PIPE

TYPICAL GRADING SECTIONS



SPECIAL DETAILS

TYPICAL BASE AND SURFACE SECTIONS



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 Common 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 Steel and Reinforced Concrete pipe culvert excavation will be considered incidental, and will be under unit price for "Pipe Culvert."

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. All bedding to be considered as incidental and no direct compensation shall be made therefor.

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

County Proj. No. C III-76-1
S.A.P.
Minn. Proj. No.
State Project No.

ALBINSON, INC. MINNEAPOLIS

Fed. Proj. No.

Center Section 32 T 10 S R 15 W

℄ Culv. 9+21
Inpl. 72"X 56' C.M.P.
Remove
84"x 94' R.C. Pipe Culv. CL. III Skew 30°
2-84" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F+I Approved Joint Ties
Random Rip Rap Class "A"
32 Cu. Yds. 12" Dept.
~~Filter Blanket Type I 16 Cu.Yds. 6" Depth~~
OMITTED

Farm Drive Lt. 14+85
No. Culv.
18" x 32' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons.

F. Ent. Lt. 20+50
No Culv.
No Culv. Req'd.
OMITTED

F.E. Lt. Sta. 3+00
Inpl. 18"x28' C.S. Culv.
2-18" Metal Aprons

P.I. 0+00 Inpl. C.I.M.

P.O.T. 18+00

P.I. 26+58.7 ∠ Rt. 00° 08' Inpl. C.I.M.

CSAH 1

Tele. Cable Marker

BEGIN C.P. C III-76-1
Sta. 0+00

10+50
F. Ent. Rt. ~~14+83~~
Inpl. 15"X 24' C.M.P.
Remove
18" x 28' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons.

℄ Box Culv. 21+32
4'X 6' X 20' Conc. Box
Remove Structure
48" x 80' R.C. Pipe Culv. CL. II
2-48" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F+I Approved Joint Ties.

CL. 145 — Gr. 60

℄ Subgrade Elev.

P.I. + 00
Elev. 40.2
120' V.C.
M = 0.75

P.I. + 00
Elev. 00.2
700' V.C.
M = 7.875

P.I. + 00
Elev. 28.2
600' V.C.
M = 2.55

P.I. + 60.86956
Elev. 33.96521
400' V.C.
M = 1.15'

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 2+40 to Sta. 6+60

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 12+00 to Sta. 19+70

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 23+80 to Sta. 26+10

Profile 75' Lt. ----------
Profile 75' Rt. ——————

COMMON EXC. 1043 CU. YDS. + COMMON EXC. 3453 CU. YDS.
ROCK EXC. 54 CU. YDS. ROCK EXC. 2013 CU. YDS.
SUBGRADE EXC. 115 CU. YDS. SUBGRADE EXC. 191 CU. YDS.
EMB. 737 CU. YDS. EMB. 4449 CU. YDS.

COMMON EXC. 4470 CU. YDS.
ROCK EXC. 1573 CU. YDS.
SUBGRADE EXC. 478 CU. YDS.
EMB. 4594 CU. YDS.

COMMON EXC. 4132 CU. YDS.
ROCK EXC. 681 CU. YDS.
SUBGRADE EXC. 433 CU. YDS.
EMB. 3487 CU. YDS.

Inlet Elev. ~~90.6~~ 89.3
Outlet Elev. 88.2

Inlet Elev. 19.4
Outlet Elev. 15.8

State Proj. No. CR III Sheet No. 3 of 27 Sheets

AS BUILT PLANS

OMITTED

Walkway Lt. Sta. 33+52
No Culv.
18" X 12' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

RES. DR. LT. 33+52
INPL. 18" X 32' C.S.P.
2 – 18" G.S. APRONS

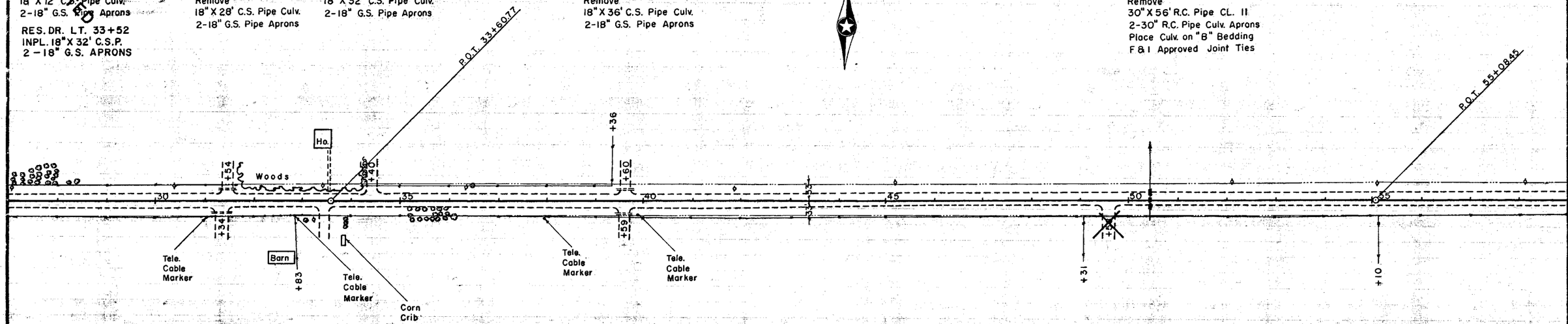
F. Ent. Lt. 31+54
Inpl. 15" X 24' C.M.P.
Remove
18" X 28' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

Farm Ent. Lt. 34+40
No Culv.
18" X 32' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

TWP Rd Lt. 39+60
Inpl. 18" X 30' C.M.P.
Remove
18" X 36' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

℄ Culv. 50+44
Inpl. 24" X 32' C.M.P.
Remove
30" X 56' R.C. Pipe CL. II
2-30" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties

Fed. Proj. No.



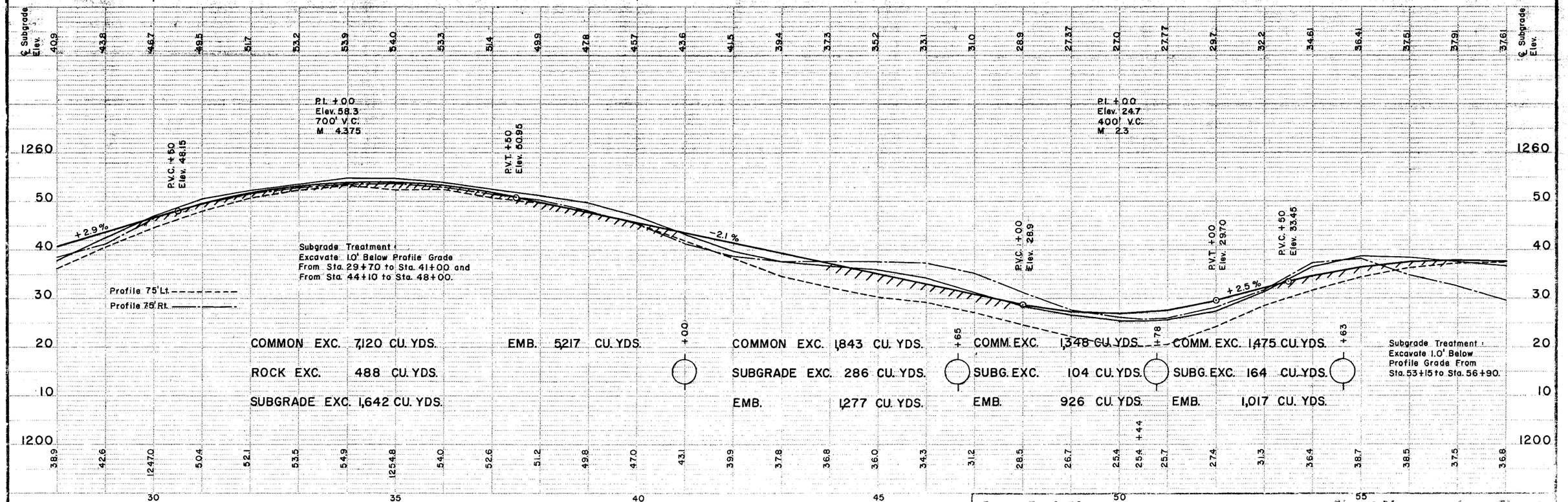
F. Ent. Rt. 31+34
Inpl. 15" X 24' C.M.P.
Remove
18" X 28' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

Farm Ent. Rt. 33+43
No Culv.
18" X 32' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

F. Ent. Rt. 39+59
Inpl. 18" X 30' C.M.P.
Remove 52'
18" X ~~28~~ C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

F. Ent. Rt. 49+58
No Culv.
18" ~~24"~~ X 28' C.S. Pipe Culv.
2-~~24"~~ G.S. Pipe Aprons
18"

Cl. 0.16 Acres — Gr. 0.16 Acres — Cl. 40 — Gr. 30



COMMON EXC. 7,120 CU. YDS. EMB. 5217 CU. YDS.
ROCK EXC. 488 CU. YDS.
SUBGRADE EXC. 1,642 CU. YDS.

+00

COMMON EXC. 1,843 CU. YDS.
SUBGRADE EXC. 286 CU. YDS.
EMB. 1,277 CU. YDS.

+65

COMM. EXC. 1,348 CU. YDS.
SUBG. EXC. 104 CU. YDS.
EMB. 926 CU. YDS.

+78

COMM. EXC. 1,475 CU. YDS.
SUBG. EXC. 164 CU. YDS.
EMB. 1,017 CU. YDS.

+63

Subgrade Treatment :
Excavate 1.0' Below
Profile Grade From
Sta. 53+15 to Sta. 56+90.

AS BUILT PLANS

Fed. Proj. No.

Farm Ent. Lt. 60+93
Culv.
18" X 32' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

℄ Box Culv. 69+31
72"X 72"X 93' Conc. Box w/wingwalls
Remove Structure
90"X56' R.C. Pipe Culv. Cl. III
90"X 16' R.C. Pipe Culv. Cl. IV
90"X64' R.C. Pipe Culv. Cl. V
2-90" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties
Random Rip Rap Class "A"
~~Filter Blanket Type I~~

OMITTED

55 Cu. Yds. 18" Depth
27 Cu. Yds. 9" Depth

P.I. 79+12.00
Δ Lt. 90° 24'
D 7°
T 824.25'
L 1291.43'
E 343.1'

MATCH LINE

Const. F. Ent. Lt. ~~75+00~~ 79+10
No Culv. Req'd.

11 Acres
℄ Culv. Rt. Sta. 78+30 (Old Road)
Inpl. 18" X 34' CMP
Remove

Const. C Culv. Sta. 78+31
24" X 82' R.C. Pipe Culv. Cl. II
2-24" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties

Electrical Box
High Voltage Marker
Timber
Electric Box
OBLITERATE OLD ROAD
P.C. 70+87.75
P.I. 79+12.0 Δ Lt. 90° 24' Inpl. C.M.P.
P.C. 8+60.40
P.T. 11+25.11
76+81.00= 12+63.85 TWR Rd Line
P.I. 10+00.00
Δ Rt. 45° 00'
D 17°
T 139.60
L 264.71
E 27.77
R 337.03

F. Ent. Lt. 8+99
Inpl. 18" X 24' C.M.P.
Remove
18" X 28' C.S. Pipe Culv.
2-18" G.S Pipe Aprons

P.T. 83+79.18

Const. ℄ Culv. Sta. 75+55
24" X 88' R.C. Pipe Culv. Class II
2-24" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties

FM.
~~Field~~ Ent. Rt. 61+16
Culv. 32'
18" X ~~28'~~ C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

F.
~~Farm~~ Ent. Rt. 65+09
No Culv. 28'
18" X ~~32'~~ C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

Const. TWP Road Approach Rt. Sta. 76+81
No Culv. Req.
See Sheet No. 26

℄ Culv. Rt. 74+90 (Old Road)
Inpl. 24" X 44' C.M.P.
Remove

Cl. 6 — Gr. 6 — Cl. 0.70 Acres — Gr. 0.70 Acres — Cl. 18 — Gr. 18

℄ Subgrade Elev.

P.I. + 50
Elev. 45.95
1000' V.C.
M = 8.75

P.V.T. + 50
Elev. 23.45

P.V.C. + 25.0
Elev. 15.575

-4.5 %

P.I. + 50
Elev. 00.95
650' V.C.
M = 6.9875

Elev. 14.275

+9.7 %

P.V.T. + 75.0
P.V.C. + 75.0

P.I. + 00
Elev. 27.6
650' V.C.
M = 3.9

P.V.T. + 25.0
Elev. 25.325

-0.7 %

P.V.C. + 27.94117
Elev. 20.40442

Inlet Elev. 16.0
Outlet Elev. 09.6

Inlet Elev. 19.0
Outlet Elev. 12.7

Inlet Elev. 79.5
Outlet Elev. 72.5

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 59+00 to Sta. 61+80 and
From Sta. 63+50 to Sta. 67+10

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 70+90 to Sta. 71+50 and
From Sta. 74+20 to Sta. 75.12

Subgrade Treatment:
Excavate 1.0' Below Profile Grade
From Sta. 76+25 to Sta. 77+10 and
From Sta. 80+80 to Sta. 83+50

Profile 75' Lt. - - - - - -
Profile 75' Rt. ——·——

COMMON EXC. 6,012 CU. YDS.
SUBGRADE EXC. 916 CU. YDS.
EMB. 4,146 CU. YDS.

COMMON EXC. 9,494 CU. YDS.
ROCK EXC. 3,345 CU. YDS.
SUBGRADE EXC. 23 CU. YDS.
EMB. 9,394 CU. YDS.

State Proj. No. CR 111 Sheet No. 5 of 27 Sheets

AS BUILT PLANS

Fed. Proj. No.

℄ Culv. 85+20
Inpl. 18"X34'
Remove
24"X 56' R.C. Pipe Culv. Cl. II
2-24" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approve Joint Ties
Const. Ditch Block at Inlet

Const. F. Ent. Lt. 90+50
18" X 28' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

Const. ℄ Culvert 103+75 Skew 30°
138" Span X 70' R.C. Pipe-Arch Culv. Cl. IV A
138" Span X 36' R.C. Pipe-Arch Culv. Cl. III A
138" Span X 30' R.C. Pipe-Arch Aprons
2-138" Span R.C. Pipe-Arch Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties
Random Rip Rap Class "A" 49 Cu.Yds. 12" Depth
~~Filter Blanket Type I 25 Cu.Yds. 6" Depth~~
OMITTED

℄ Box Culv. 103+80
Inpl. 8'X10'X45' Conc. Box
Remove Structure

Farm Ent. Lt. 110+67
Inpl. 18"X 36' C.M.P.
Remove
18" X 32 C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

P.T. 83+79.18
P.O.T. 88+73.65
Inpl. 5/8" Reinf. Rod
P.O.T. 96+75.72
P.I. 101+92.30 / Lt. 90° 18' 30"
Inpl. C.I.M.
P.O.T. 110+79.90
Inpl. 60 P. Spk

TIMBER
Shed
Corral
TIMBER
OBLITERATE OLD ROAD

F. Ent. Rt. 94+68
Inpl. 18"X 24' C.M.P.
Remove
18" X 28' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

Farm Ent. Rt. 96+63
Inpl. 18"X 24' C.M.P.
Remove
18"X 32' C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

101+90
Farm Ent. Rt. ~~102+01~~
98' Rt. Inpl. 12"X 50' C.M.P.
172' Rt. Inpl. 30"X 50' C.M.P.
Salvage Pipe for Land Owner
~~36"X 80'~~ C.S. Pipe Culv.
~~1-36"~~ G.S. Pipe Aprons
Place Culv. 170' Right of Sta. 102+01
Embankment Mat'l for Approach to come from
Balance Sta. 100+94 to Sta. 106+91

F.E. RT. 109+00
NO CULV. INPL.

CL. 6 — Gr. 6 | CL. 7 — Gr. 7 | CL. 6 — Gr. 7 | CL. 45 — Gr. 45 | CL. 0.45 Acres — Gr. 0.45 Acres | CL. 0.25 Acres — Gr. 0.25 Acres

℄ Subgrade Elev.

P.V.C. + 27.94117 Elev. 20.40442
P.V.T. + 27.94117 Elev. 08.40442
-0.7%
Inlet Elev. 17.3
Outlet Elev. 14.6
P.I. + 77.94117
Elev. 18.65442
500' V.C.
M = 2.125
-4.1%
P.V.C. + 00 Elev. 89.05
P.I. + 00
Elev. 80.85
400' V.C.
M = 0.95
P.V.T. + 00 Elev. 68.85
-6.0%
P.V.C. + 50 Elev. 59.85
P.I. + 50
Elev. 47.85
400' V.C.
M = 2.15
P.V.T. + 50 Elev. 44.45
-1.7%
P.V.C. + 50 Elev. 39.35
P.I. + 50
Elev. 35.95
400' V.C.
M = 0.9
P.V.T. + 50 Elev. 28.95
-3.5%

Profile 75' Lt.
Profile 75' Rt.

Subgrade Treatment:
Excavate 1.0 Below Profile Grade
From Sta. 86+75 to Sta. 90+30 and
From Sta. 96+00 to Sta. 96+80

COMMON EXC.	18794	CU. YDS.
ROCK EXC.	836	CU. YDS.
SUBGRADE EXC.	923	CU. YDS.
EMB.	12114	CU. YDS.

Note: 3680 Cu. Yds. Common Exc. and 1078 Cu. Yds. Emb. from Sheet No. 26 are included in above Quantities.

	+40	+25	+94	+91
COMMON EXC.	1022 CU. YDS.	1268 CU. YDS.	1459 CU. YDS.	0 CU. YDS.
ROCK EXC.	752 CU. YDS.		4466 CU. YDS.	23,292 CU. YDS.
SUBGRADE EXC.	60 CU. YDS.			
EMB.			5296 CU. YDS.	22,843 CU. YDS.

Inlet Elev. 21.0
Outlet Elev. 15.5

State Proj. No. C.R. III Sheet No. 6 of 27 Sheets

AS BUILT PLANS

Fed. Proj. No.

Const. F. Ent. Lt. 124+50
No Culv. Req'd.
~~OMITTED~~

℄ Culv. 120+92
Inpl. 24"X32' C.M.P.
Remove
Const. ℄ Culv. 120+94
42"X56' R.C. Pipe Culv. Cl. II
2-42" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties

℄ Culv. 120+96
Inpl. 30"X40' C.M.P.
Remove

℄ Box Culv. 124+99
Inpl. 4'X6'X20.5' Conc. Box
Remove Structure
60"X52' R.C. Pipe Culv. Cl. II
2-60" R.C. Pipe Culv. Aprons
Place Culv. on "B" Bedding
F & I Approved Joint Ties

F. Ent. Lt. 125+31
Inpl. 18"X 30' C.M.P. W/a
Remove 24 Lin. Feet
18"X28' C.M.P. Pipe Aprons
18" G.S. Pipe Aprons
~~OMITTED~~

CR 101 Lt. ~~128+25~~ 128+30
18" X 51' C.M.P. W/a
No Change

P.O.T. Inpl. ½" Rod 115+00.25

P.O.T. Sta. 120+06.30 = Sta. 120+23.80

EQUATION

P.I. Inpl. C.I.M. 128+25.0

R.O.W. Marker

WOODS

C.R. 101

House

END: C.P. CIII-76-1
Sta. 128+25.0

Const. Ent. Rt. 115+00
No Culv. Req'd.
~~OMITTED~~

F.E. RT. 123+50
NO CULV. INPL.

Res. Drive Rt. 125+68
Inpl. 15"X30' C.M.P.
Remove 46'
18"X ~~32'~~ C.S. Pipe Culv.
2-18" G.S. Pipe Aprons

T.H. 52 S.B. Lane

T.H. 52 N.B. Lane

Cl. 18 — Gr. 21 — Cl. 20 Gr. 20

℄ Subgrade Elev.

P.I. +32.94643
Elev. 08.54689
400' V.C.
M = 1.4

P.I. +00
Elev. 04.0
400' V.C.
M = 1.85

P.V.C. +32.94643
Elev. 15.54689

P.V.T. +32.94643
Elev. 07.14688

P.V.C. +00
Elev. 05.4

P.V.T. +00
Elev. 10.0

END PROJECT + 65 Lt.

-3.5 %

-0.7 %

+3.0 %

-0.5 % Grade

SPECIAL DITCH LEFT
05.1 04.5 03.9

SPECIAL DITCH LEFT +0.5 %
01.9 02.4 02.9 03.4

SPECIAL DITCH LEFT. +0.5 %
Inlet Elev. 01.6
Outlet Elev. 97.2

Inlet Elev. 01.0
Outlet Elev. 98.0

Profile 75' Lt.
Profile 75' Rt.

COMMON EXC.	2,073	CU. YDS.
ROCK EXC.	18,727	CU. YDS.
SUBGRADE EXC.	226	CU. YDS.
EMB.	20,202	CU. YDS.

Subgrade Treatment :
Excavate 1.0' Below Profile Grade
From Sta. 122+70 to Sta. 128+25

+13 COMMON EXC. 729 CU. YDS.
SUBGRADE EXC. 406 CU. YDS.
+25
EMB. 505 CU. YDS.

115 120 125 130

State Proj. No. CR 111 Sheet No. 7 of 27 Sheets

AS BUILT PLANS