MINNESOTA DEPARTMENT OF TRANSPORTATION

THE COUNTY OF OLMSTED

CONSTRUCTION PLAN FOR GRADING AND AGGREGATE BASE

LOCATED ON C.S.A.H. 12 **BETWEEN** C.R. 114 **AND** T.H. 63 **(GEOGRAPHIC DESCRIPTION)**

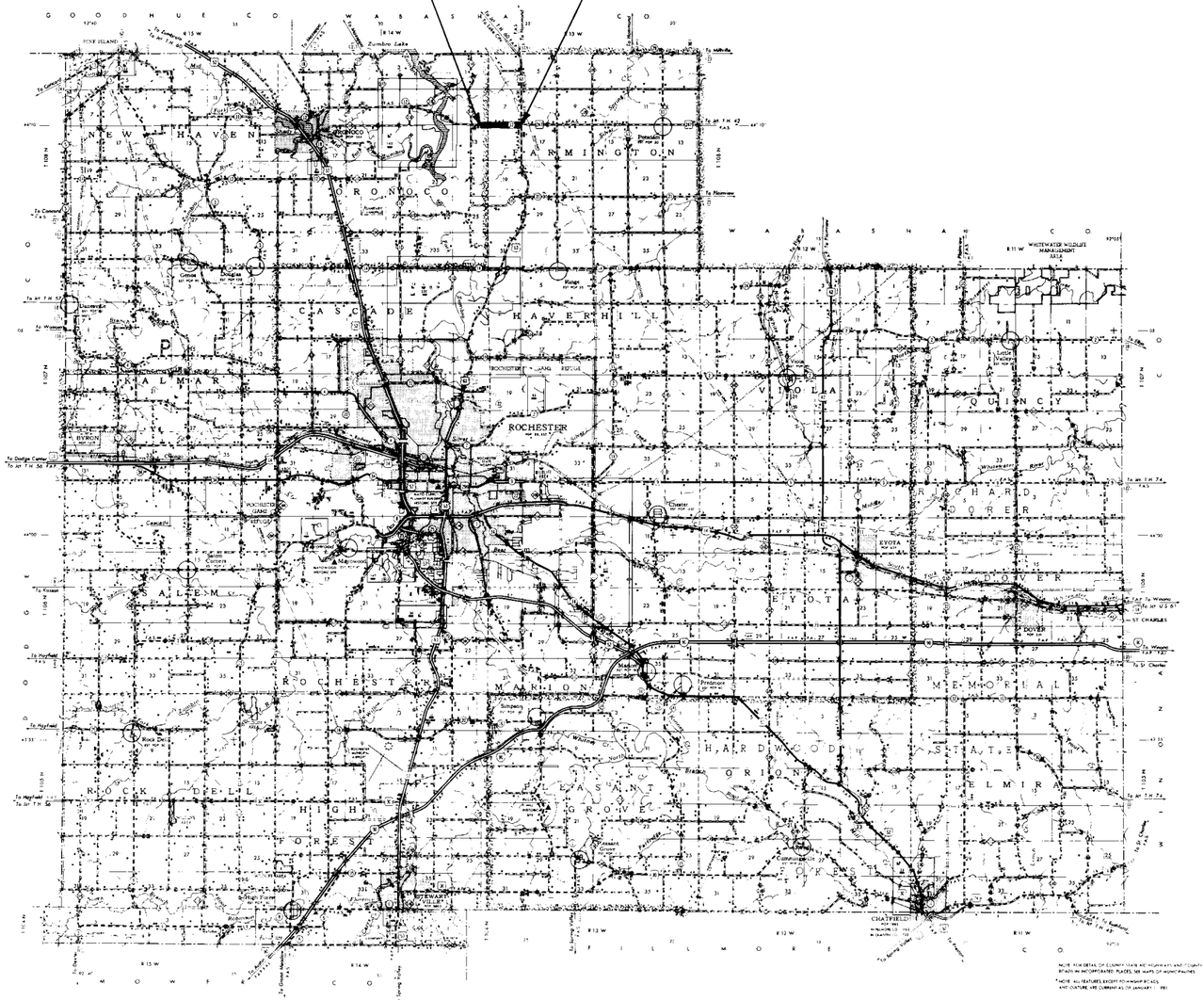
FROM 8.0' NO. & 1463.11' W. OF S.E. COR. SEC. 12 T.108N-R.14W. **TO** 3.5' N. & 11.15' E. OF S.E. COR. SEC. 7 T.108N-R.13W. **(LEGAL DESCRIPTION)**

STATE PROJ. NO.			
GROSS LENGTH		FEET	MILES
BRIDGES-LENGTH		FEET	MILES
EXCEPTIONS-LENGTH		FEET	MILES
NET LENGTH		FEET	MILES

STATE PROJ. NO. 55-612-10			
GROSS LENGTH	6569.17	FEET	1.244 MILES
BRIDGES-LENGTH		FEET	MILES
EXCEPTIONS-LENGTH		FEET	MILES
NET LENGTH	6569.17	FEET	1.244 MILES

BEGIN: SAP 55-612-10
STA. 339+00

END: SAP 55-612-10
STA. 404+69.17



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
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
SLOPE EASEMENT

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

SCALES

PLAN	100'
PROFILE	100' HOR. & 10' VER.
INDEX MAP	10,560
X SECTIONS	10'

STATE AID TITLE SHEET AS REVISED APRIL 2000

MINN. PROJ. NO.

SPECIFICATIONS REFERENCE

The 1983 Edition of the Minnesota Department of Transportation "Standard Specifications For Highway Construction" Shall Govern.

INDEX

SHEET NO. 1 TITLE SHEET & LAYOUT MAP.
" " 2 ESTIMATE OF QUANTITIES AND TYPICAL SECTIONS.
" " 3-5 PLAN & PROFILE SHEETS.
" " 6 LOCATION MAP OF AGGREGATE STOCKPILE & SAP 55-612-10
" " 7-13 CROSS SECTION SHEETS.

DESIGN DESIGNATION

R
ADT (Current Year) = 722
ADT (Future Year) = 1300
DHV (Design Hr. Vol.) =
D (Directional Distr.) = %
T (Heavy Commercial) = 5.3 %
SOIL FACTOR 130
9 TON DESIGN

ΣN18(20)
Design Speed 50 MPH
Based on Stopping Sight Distance
Height of eye 3.75' Height of object 0.5'
Design Speed not achieved at:
STA. TO STA. MPH
STA. TO STA. MPH
STA. TO STA. MPH

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.

DATE 3-23-84 REG. NO. 12211 ENGR. [signature]

COUNTY

Recommended for Approval [signature] 3-23 19
DISTRICT STATE AID ENGINEER

Recommended for Approval Dilvert D. Olstedt 4-23 1984
STATE AID PLANS AND SPECS ENGINEER

Approved 4/24 1984 [signature]
STATE AID ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
DIVISION ADMINISTRATOR DATE

STATE AID PROJ. NO. 55-612-10
~~**STATE PROJ. NO.**~~

SHEET NO. 1 **OF** 13 **SHEETS**

ESTIMATED QUANTITIES

	SPECIFICATION NO.	ITEM	UNIT	MUNICIPAL	RURAL	TOTAL ESTIMATED QUANTITIES	
	2101.502	CLEARING	TREE		58	58	
	2101.507	GRUBBING	TREE		49	49	
	2104.501	REMOVE PIPE CULVERTS	LIN. FT.		599	599	
	2104.501	REMOVE FENCE	LIN. FT.		2000	2000	
1	2104.509	REMOVE BOX CULVERT	EACH		1	1	
	2105.501	COMMON EXCAVATION	CU. YD.		35830	35830	(P)
	2105.507	SUBGRADE EXCAVATION	CU. YD.		7216	7216	(P)
	2105.535	SALVAGED TOPSOIL (EV)	CU. YD.		4192	4192	(P)
	2130.501	WATER	M-GAL.		65	65	
2	2211.501	AGGREGATE BASE CL.2 " DESIGNATED SOURCE"	TON		12866	12866	
	2501.511	18" C.S. PIPE CULVERT	LIN. FT.		338	338	
	2501.511	24"C.S. PIPE CULVERT	LIN. FT.		28	28	
	2501.511	30"R.C. PIPE CULVERT CL. II	LIN. FT.		88	88	
	2501.511	30" R.C. PIPE CULVERT CL. III	LIN. FT.		102	102	
	2501.511	36"R.C. PIPE CULVERT CL. II	LIN. FT.		96	96	
	2501.511	42"R.C. PIPE CULVERT CL. III	LIN. FT.		112	112	
	2501.511	48"R.C. PIPE CULVERT CL. III	LIN. FT.		56	56	
	2501.511	48" R.C. PIPE CULVERT CL. IV	LIN. FT.		64	64	
	2501.515	18"G.S. PIPE APRON	EACH		18	18	
	2501.515	24"G.S. PIPE APRON	EACH		2	2	
	2501.515	30"R.C. PIPE APRON	EACH		4	4	
	2501.515	36"R.C. PIPE APRON	EACH		2	2	
	2501.515	42"R.C. PIPE APRON	EACH		2	2	
	2501.515	48"R.C. PIPE APRON	EACH		2	2	
	2511.501	RANDOM RIPRAP CL. III	CU. YD.		70	70	
	2511.511	GRANULAR FILTER	CU. YD.		35	35	
	2575.501	ROADSIDE SEEDING	ACRE		14	14	(P)
	2575.502	SEED MIXTURE 2	POUND		1400	1400	
	2575.502	SEED MIXTURE 5	POUND		700	700	
	2575.511	MULCH MATERIAL TYPE 1	TON		28	28	
	2575.519	DISC ANCHORING	ACRE		14	14	(P)
	0575.607	COMMERCIAL FERTILIZER ANALYSIS 10-10-10	POUND		2800	2800	
3	2575.505	SODDING	SQ. YD.		1150	1150	
	2502.521	8" C.S. PIPE DRAIN	LIN. FT.		116	116	
	2502.551	8"C.S. INSPECTION TEE	LIN. FT.		7	7	
	2502.521	6"C.S. PIPE DRAIN	LIN. FT.		140	140	
	2502.551	6"C.S. INSPECTION TEE	LIN. FT.		6	6	

(P) PLAN QUANTITY

1 BOX CULVERT LOCATED AT STA. 386+00 INPL. C46 x 68.5' CONCRETE BOX CULV.

2 ITEM 2211.501 AGGREGATE BASE CL.2 INCLUDES 12196 TONS FOR ROAD, 420 TONS FOR 14 F. ENT. AND 250 TONS FOR 5 RES. DRIVES.

3 SOD TO BE PLACED IN LOCATIONS AS DIRECTED BY THE ENGINEER AND SHOWN IN THE PLANS.

STANDARD PLATES

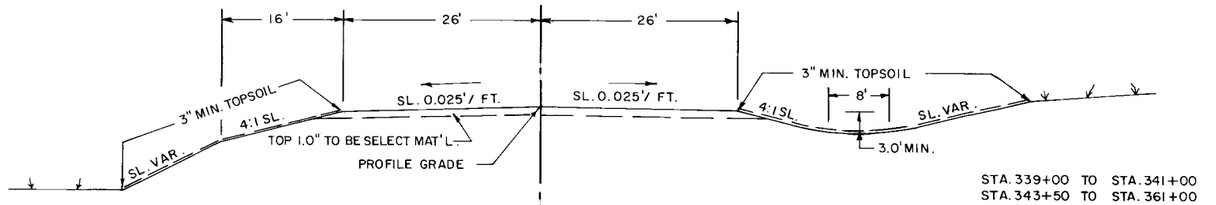
THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

PLATE NO	DESCRIPTION
0004 A	SPECIFICATION REFERENCE TO STANDARD PLATES.
3000 H	REINFORCED CONCRETE PIPE
3007 A	SHEAR REINFORCEMENT FOR PRECAST DRAINAGE STRUCTURES.
3040 F	CORRUGATED METAL PIPE CULVERT.
3100 F	CONCRETE APRON FOR REINFORCED CONCRETE PIPE.
3123 H	METAL APRON FOR C.M. PIPE.
3124 B	METAL APRON CONNECTION.
3133 A	RIPRAP AT RCP OUTLETS.
3145 C	CONCRETE PIPE TIES.
3221 B	CORRUGATED STEEL PIPE COUPLING BAND.
8000 H	STANDARD BARRICADE.
9000 B	APPROACHES AND ENTERENCES.
9102 C	SODDING AT PIPE CULVERT ENDS.
3142 A	OUTLET SCREEN FOR C.M. PIPE.
3143 C	INSPECTION TEES

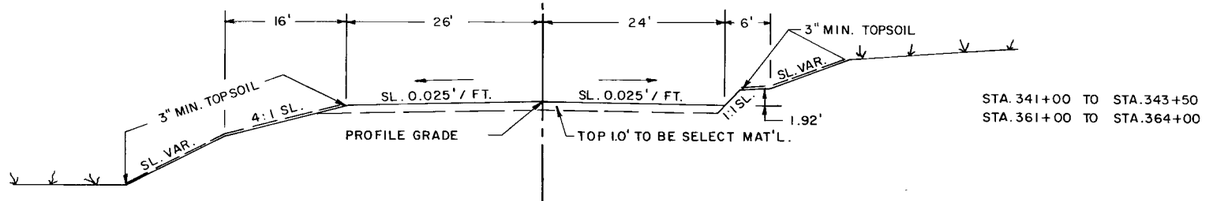
NOTE: PLACE REINFORCED CONCRETE PIPE ON CL."B" BEDDING AS DIRECTED BY THE ENGINEER. ALL BEDDING TO BE CONSIDERED AS INCIDENTAL AND NO DIRECT COMPENSATION SHALL BE MADE THEREFOR.

NOTE: ALL DIMENSIONS AND SLOPES SHOWN ON TYPICAL SECTIONS ARE APPROXIMATE.

TYPICAL SECTIONS

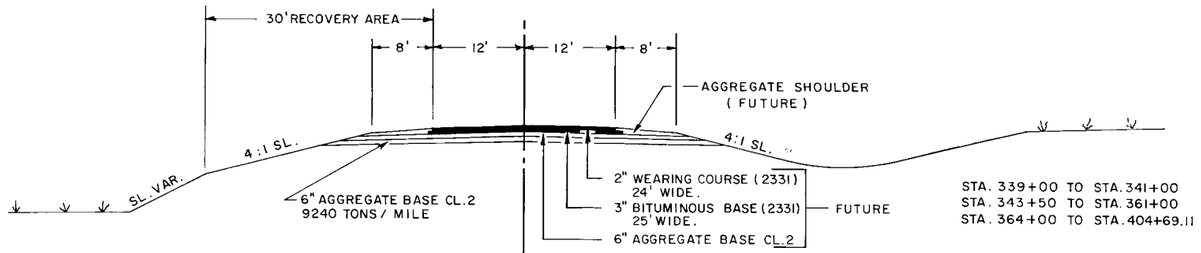


STA. 339+00 TO STA. 341+00
STA. 343+50 TO STA. 361+00
STA. 364+00 TO STA. 404+69.11

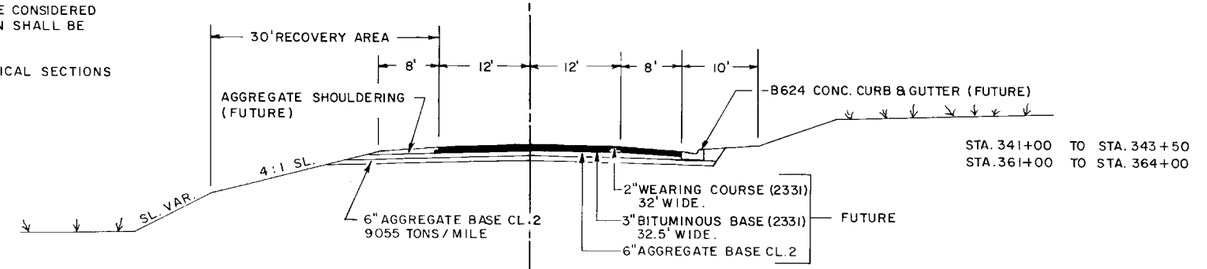


STA. 341+00 TO STA. 343+50
STA. 361+00 TO STA. 364+00

TYPICAL SURFACE SECTIONS



STA. 339+00 TO STA. 341+00
STA. 343+50 TO STA. 361+00
STA. 364+00 TO STA. 404+69.11



STA. 341+00 TO STA. 343+50
STA. 361+00 TO STA. 364+00

S. A. P. 55-612-10 OLMSTED COUNTY C.S.A.H. 12

~~State Proj. No.~~

JENSEN, INC. MINNEAPOLIS 55405

Res. Drive Lt. 343+50
Inpl. 15"X24' CMP
REMOVE
NO CULV. REQ'D.

F.E Lt. 346+26
Inpl. 18"x28'CMP
REMOVE
NO CULV. REQ'D.

FE. Lt. 347+25
NO Culv Inpl
NO CULV. REQ'D.

℄ Culv. 351+51
Inpl 36" X 58' CMP
REMOVE
36"x96'R.C.PIPE CULV. CL.III
2-36"R.C.P. APRONS
F.&I.CONC. PIPE JOINT TIES.
14 CU.YDS. RANDAM RIPRAP CL. III
18" DEPTH.
7 CU.YDS. GRANULAR FILTER
9" DEPTH.
PLACE CULV. ON "B" BEDDING
PLACE 48 SQ.YDS. SOD AROUND
CULV. APRON.

Res Dr. Lt. 352+91
NO Culv. Inpl.
NO CULV. REQ'D.

CONST. F.E. LT. STA. ~~359~~ 360+00
18"x28' C.S. PIPE CULV.
2-18"G.S. PIPE APRONS

Farm Dr. Lt. 363+80
Inpl. 15"X24' CMP
REMOVE
NO CULV REQ'D.

BEGIN SAP 55-612-10
STA 339+00

P.O.T. 286+64.64

P.O.T. 336+90.90

P.O.T. 342+09.13

EQUATION 286+64.64 = 336+90.90

FROM STA. 135+00 TO STA. 339+00
GRADED IN 1974 UNDER SAP 55-612-04
SURFACED IN 1977 UNDED SAP 55-612-09

VERTICAL CONTROL

ELEVATIONS SHOWN IN THIS PLAN ARE BASED ON MEAN SEA-LEVEL DATUM, 1929 ADJ. AND TIED TO THE U.S. LEVEL NET. B.M. NO. 5508K LOCATED S.E. COR. BR. NO. 9234 ON T.H. NO. 52 ELEV. 963.36

CONST. 6" TILE CROSSING STA. 351+46
6"x140' C.S. PIPE DRAIN
6 LIN. FT. C.S. INSPECTION TEE 71 'RT.
F.&I. OUTLET SCREEN FOR 6" C.M. PIPE

F.E. Lt. 350+21
No Culv. Inpl.
NO CULV. REQ'D.

F.E. Rt. 350+42
Inpl. 18"x 28' CMP.
REMOVE
24"x28' C.S. PIPE CULV.
2-24' G.S. PIPE APRONS

CONST. F.E. RT. STA. 358+00
18"x28' C.S. PIPE CULV.
2-18"G.S. PIPE APRONS

Res. Dr. Rt. 361+12
Inpl. 15"X24' CMP
REMOVE
NO CULV. REQ'D.

INPL. PK. NAIL EL. 353+63.11
Δ RT. 00°27'

T.108N R.13W
T.109N R.14W
SEC. 12 13 18
9' SOUTH
SURVEY ℄

Moblie Ho.
Sewer Outlet

CL. 5 TREES — GR. 5 TREES — CL. 26 TREES — GR. 21 TREES — CL. 1 TREE — GR. 1 TREE — CL. 12 TREES — GR. 11 TREES

B.M. Elev. 110827
Spk. in PP 42'Rt.
Sta. 337+37

B.M. Elev. 110548
Spk. in Cor. Fe. Post
65'Rt. Sta. 353+68

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

Profile 50' Lt. - - - -
Profile 50' Rt. ——

℄ SUBGRADE ELEV.
20.16 20.63 20.6 20.05 19.00 17.43 15.36 12.78 09.69 06.15 02.94 00.72 99.50 99.26 00.04 01.82 04.6 08.15 11.75 15.06 17.6 19.39 20.44 21.08 20.2 19.0 17.65 16.3

P.I. +00
Elev. 27.75
1100' V.C.
M=7.7

P.V.T. +50.00 Elev. 07.95

P.V.C. +12.22222
ELEV. 05.71001

P.I. +72.22222
ELEV. 92.44999
720' V.C.
M=6.48

P.V.T. +32.22222
ELEV. 05.70999

P.V.C. +12.22222
ELEV. 12.19543

P.I. +37.37373
ELEV. 23.89543
650' V.C.
M=4.02188

P.V.T. +62.37373
ELEV. 19.50797

-3.6%
+3.6%
1.35%

Subgrade Treatment:
Excavate 1.0' below profile grade
Sta. 339+00 to Sta. 354+75 and
Sta. 358+20 to Sta. 364+30

COMMON EXC.	6202	CU. YDS.
SUBGRADE EXC.	2333	CU. YDS.
SALVAGED TOPSOIL	1031	CU. YDS.
EMB.	7346	

6" TILE INLET ELEV 94.0
TILE OUTLET ELEV. 84.8

INLET ELEV. 95.7
OUTLET ELEV. ~~85.2~~ 87.2

COMMON EXC.	799	CU. YDS.
SUBGRADE EXC.	223	CU. YDS.
SALVAGED TOPSOIL	177	CU. YDS.
EMB.	895	

COMMON EXC.	967	CU. YDS.
SUBGRADE EXC.	636	CU. YDS.
SALVAGED TOPSOIL	138	CU. YDS.
EMB.	1420	

1130 20 10 1100 1090

285 340 345 350 355 360 365

PLATE 1 — PLAN — PROFILE
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

℄ Culv. 368+57
Inpl. 30" X 65' CMP/ Aprons
REMOVE 73' LIN. FT.

30"x102' R.C. PIPE CL. III
2-30" R.C. PIPE APRONS
F.&I. CONC. PIPE JOINT TIES
10 CU. YDS. RANDOM RIPRAP CL. III 18" DEPTH.
5 CU. YDS. GRANULAR FILTER 9" DEPTH
PLACE CULV. ON "B" BEDDING
PLACE 40 SQ.YDS. SOD AROUND CULV. APRONS

F.E. Lt. ~~373+99~~ 372+00
No Culv. Inpl.

18"x28' C.S. PIPE CULV.
2-18" G.S. PIPE APRONS

℄ Culv. 379+40
Inpl. 36" X 90' CMP
REMOVE

42"x112' R.C. PIPE CL. III
2-42" R.C. PIPE APRONS
F.&I. CONC. PIPE JOINT TIES
16 CU. YDS. RANDOM RIPRAP CL. III 18" DEPTH
8 CU. YDS. GRANULAR FILTER 9" DEPTH
PLACE CULV. ON "B" BEDDING
PLACE 60 SQ. YDS. SOD AROUND CULV. APRONS

℄ Box Culv. 386+00
Inpl. C46 X 68.5'
REMOVE BOX CULV.

48"x 56' R.C. PIPE CULV. CL. III
48"x 64' R.C. PIPE CULV. CL. III
2-48" R.C. PIPE APRONS
F.&I. CONC. PIPE JOINT TIES
20 CU. YDS. RANDOM RIPRAP CL. III 18" DEPTH
10 CU. YDS. GRANULAR FILTER 9" DEPTH
PLACE CULV. ON "B" BEDDING
PLACE 74 SQ. YDS. SOD AROUND CULV. APRONS

CONST. F. E. LT. 383+~~50~~ 80
18"x 28' C.S. PIPE CULV.
2-18" G.S. PIPE APRONS

P.O.T. 377+93.31
ALIGNED 30°

P.O.T. 394+34.34

Conc. Posts

F.E. Rt. 370+09
Inpl. 18"x30' CMP
REMOVE
NO CULV. REQ'D.

0.5' NORTH SURVEY ℄

F.E. Rt. 379+89
No Culv. Inpl.

MOVE F.E. TO RT. 380+~~80~~ 60
NO CULV. REQ'D.

391+00
F.E. Rt. ~~390+90~~
No Culv. Inpl.

F.E. RT 392 +80
18"x28' C.S. PIPE CULV.
2-18" G.S. PIPE APRONS

CL. 13 TREES — GR. 10 TREES

CL. 1 TREE — GR. 1 TREE

B.M. Elev. 1108.84
Spk. in TP 37' Lt.
Sta. 371+54

B.M. Elev. 1091.46
Spk. in T.P. 37' Lt.
Sta. 380+43

℄ SUBGRADE ELEV.

Profile 50' Lt.
Profile 50' Rt.

-1.35 %

+2.5%

P.V.C. +80.0
ELEV 00.775

P.V.T. +50.0
ELEV. 07.10

P.V.C. +14.59439
ELEV. 11.33935

SUBGRADE TREATMENT:
EXCAVATE 1.0' BELOW PROFILE GRADE
FROM STA. 370+00 TO STA. 378+30,
FROM STA. 381+50 TO STA. 384+50 AND
FROM STA. 390+25 TO STA. 401+55.

COMMON EXC.	10255	CU. YDS.
SUBGRADE EXC.	1135	CU. YDS.
SALVAGED TOPSOIL	834	CU. YDS.
EMB.	8836	

INLET ELEV. 05.8
OUTLET ELEV. 95.0

COMMON EXC.	1629	CU. YDS.
SUBGRADE EXC.	409	CU. YDS.
SALVAGED TOPSOIL	221	CU. YDS.
EMB.	1694	

INLET ELEV. 85.5
OUTLET ELEV. 81.6

INLET ELEV. 87.8
OUTLET ELEV. ~~81.6~~ 82.8

COMMON EXC.	13236	CU. YDS.
SUBGRADE EXC.	1712	CU. YDS.
SALVAGE TOPSOIL	1394	CU. YDS.
EMB.	11759	

AS BUILT PLANS

SAP 55-612-10 CS. A.H. 12 OLMSTED CO. SHEET 4 OF 13 SHEETS

FE Lt. 396+63
Inpl. 15" X 20' CMP
REMOVE

18"x 28' C.S. PIPE CULV.
2-18" G.S. PIPE APRONS

℄ Culv. 401+83
Inpl. 30" X 60' CMP
REMOVE

30"x 88' R.C.P. CULV. CL.II
2-30" R.C. PIPE APRONS
F.&I. CONC. PIPE JOINT TIES
10 CU. YDS. RANDOM RIPRAP CL. III 18" DEPTH.
5 CU. YDS. GRANULAR FILTER 9" DEPTH
PLACE CULV. ON "B" BEDDING
PLACE 40 SQ. YDS. SOD AROUND CULV. APRONS

FE Lt. 402+38
No Culv. Inpl.
NO CULV. REQ'D.

ENT. LT. 403+30
NO CULV. INPL.

NO CULV. REQ'D.

CONST. 8" TILE CROSSING STA. 401+78.5
8"x116' C.S. PIPE DRAIN
7 LIN. FT. C.S. INSPECTION TEE 60' RT.
F.&I. OUTLET SCREEN FOR 8" C.M. PIPE

T 108 N R 13 W
7 8 18 17
T 107 N R 13 W

P.I. 404+69.17
3.5 SOUTH

END: SAP 55-612-10
STA. 404 + 69.17

P.O.T. 394+34.34

R.O.W. Marker

SURVEY ℄

50' R.

50' R.

T.H. 247

T.H.

Sign

Store

Conc. Slab

Drive Ent 403+11
Inpl. 18" X 113' CMP
35' Apron

401+05
CONST. F.E. RT. ~~398+00~~
~~18"x 28' C.S. PIPE CULV.~~
~~2-18" C.S. PIPE APRONS~~
EXTENDED CULV.

REMOVE ~~116~~ 54 LIN. FT.
18"x ~~114'~~ C.S. PIPE CULV.
1 2-18" G.S. PIPE APRONS

397+50
FE Rt. ~~396+66~~
Inpl. 15" X 24' CMP
REMOVE

18"x 28' C.S. PIPE CULV.
2-18" G.S. PIPE APRONS

B.M. Elev. 1112.83
Spk. in T.P. 29' Lt.
Sta. 402+95

℄ SUBGRADE ELEV.
17.27 17.65 17.54 16.93 15.85 14.65 13.60 13.41 14.16 15.87 17.9 +46 18.0
℄ SUBGRADE ELEVATIONS

Profile 50' Lt. ——— ———
Profile 50' Rt. ——— ———

P.I. +94.59459
ELEV. 20.71485
750' V.C.
M=3.46875

P.I. +43.94737
ELEV. 11.72264
400' V.C.
M= 1.9

P.I. +85.38461
ELEV. 18.00
80' V.C.
M= 0.26

P.V.T. +69.59459
ELEV. 16.21488

P.V.C. +43.94737
ELEV. 14.12264

P.V.T. +43.94737
ELEV. 16.92262

P.V.C. +85.38461
ELEV. 16.95998

P.V.T. +25.38461
ELEV. 18.0

1130
20
10
1100

-1.2%
+2.6%
0.0%

8" TILE INLET ELEV. 06.1
OUTLET ELEV. 03.5

INLET ELEV. 09.0
OUTLET ELEV. 03.5

SUBGRADE TREATMENT:
EXCAVATE 1.0' BELOW PROFILE GRADE
FROM STA. 390+25 TO STA. 401+55 AND
FROM STA. 403+90 TO STA. 404+46.

COMMON EXC.	2742	CU. YDS.
SUBGRADE EXC.	768	CU. YDS.
SALVAGED TOPSOIL	397	CU. YDS.
EMB.	2933	

+74 +63 +46 +25 +46 +58 +70

20.5 1121.5 21.6 20.4 18.5 16.6 1115.1 14.1 13.4 13.5 14.3 17.9 18.8 19.4 19.8 20.1

395 400 405

PLAN-PROFILE

SAP 55-612-10 C.S.A.H. 12 OLMSTED COUNTY

SHEET 5 OF 13 SHEETS

AS BUILT PLANS

AS BUILT PLANS

SAP 55-6IS-10 C.S.A.H. 12 OLMSTED COUNTY SHEET 6 OF 13 SHEETS

LOCATION MAP:

DESIGNATED SOURCES OF AGGREGATE BASE CLASS 2

APPROXIMATE SCALE: 0 1-MILE

BEGIN: SAP 55-6IS-10
STA. 339+00

END: SAP 55-6IS-10
STA. 404+63.11

AGGREGATE STOCKPILE

ORONOCO

ZUMBRO RIVER

LAKE

R.15W. R.14W. R.13W.

T. 108 N.