FORM 100-A '65

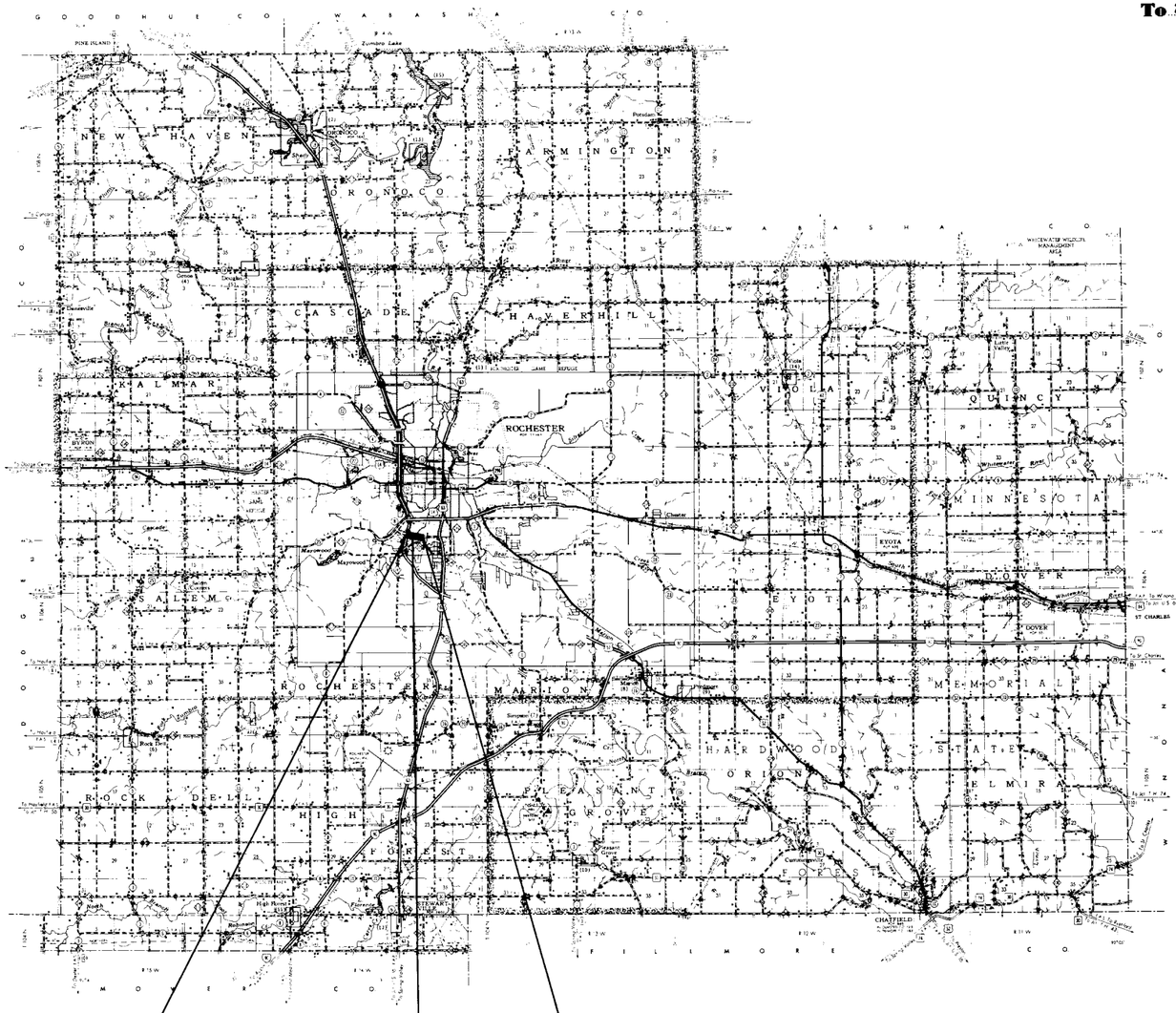
Fed. Proj. No.

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
(TIMBER)
CATCH BASIN C.B.
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame) 1-S-F
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
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
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



BEGIN: S.A.P. 55-625-06
Sta. 15+52.91

END: S.A.P. 55-625-08
Sta. 38+00

Bridge No. 55522
Sta. 29+45.5 to Sta. 32+66.5

END: S.A.P. 55-625-06 | BEGIN: S.A.P. 55-625-08
Sta. 29+45.5 | Sta. 32+66.5

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

STATE OF MINNESOTA

DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR Grading, Aggregate Base, Concrete Paving, Bituminous Surface, Lighting & Storm Sewer.

COUNTY STATE AID HIGHWAY NO. 25

BETWEEN T.H. 52 (By-Pass) **AND** C.R. 125

From 230.8' North & 1,203.36' West of E1/4 Cor. Sec. 10 T106N-R14W
Give proper reference to Sections, Township and Range

To 230.8' North & 1,043.73' East of E1/4 Cor. Sec. 10 T106N-R14W

GROSS LENGTH	2,247.09	**FEET**	0.425 **MILES**
BRIDGES-LENGTH	321.00	**FEET**	0.061 **MILES**
EXCEPTIONS-LENGTH	0	**FEET**	0 **MILES**
NET LENGTH	1,926.09	**FEET**	0.364 **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 14 Cross Sections
" No. 15 To 18 Detail Plan Sheets

DESIGN SPEED 45 M. P. H.

PROJECTED A. D. T. 4,340
Est. Projected H.C.A.D.T. 434

9 TON DESIGN

SOIL FACTOR 100

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.

Otto Schellhammer DATE May 20 1975
COUNTY ENGINEER

Olmsted COUNTY REG. NO. 8284

RECOMMENDED FOR APPROVAL [signature] 5-21 1975
DISTRICT STATE AID ENGINEER

RECOMMENDED FOR APPROVAL [signature] 5-21 1975

APPROVED [signature] 1975
STATE AID ENGINEER

Minn. Project No.

S.A.P. 55-625-06 & 55-625-08
State Project No.

OLMSTED County, Minnesota. County Proj. No. Plan No. Sheet 1 of 18 Sheets

ALBINSON, INC.

ESTIMATED QUANTITIES

	SPECIFICATION NO.	ITEM	UNIT	MUNICIPAL	RURAL	TOTAL ESTIMATED QUANTITIES	
	2104.501	Remove Curb & Gutter	Lin.Ft.	3,141		3,141	X
	2104.503	Remove Sidewalk	Sq.Ft.	6,053		6,053	X
	2104.505	Remove Concrete Pavement	Sq.Yd.	446		446	X
	2104.501	Remove Pipe Sewers	Lin.Ft.	6		6	X
	2104.509	Remove Catch Basin	Each	4		4	P
	2104.509	Remove Light Standard Base	Each	4		4	P
	2104.521	Salvage Pipe Sewer	Lin.Ft.	197		197	X
	2104.523	Salvage Light Standard	Each	4		4	P
	2104.523	Salvage Castings	Each	4		4	P
	2105.501	Common Excavation	Cu.Yd.	20,032		20,032	P
	2105.523	Common Borrow (L.V.)	Cu.Yd.	1,740		1,740	X
	2105.525	Top Soil Borrow (L.V.)	Cu.Yd.	1,668		1,668	X
③	2123.503	Motor Grader	Hour	20		20	X
③	2123.508	15 Cu.Yd. Scraper	Hour	8		8	X
	2211.501	Aggregate Base, Class 2	Ton	5,512		5,512	X
	2301.501	Concrete Pavement	Sq.Yd.	11,996		11,996	X
	2301.511	Structural Concrete	Cu.Yd.	2,666		2,666	X
②	2301.551	Bridge Approach Panel	Each	2		2	P
	2331.504	Bituminous Material for Mixture	Ton	58		58	X
	2331.508	Wearing Course Mixture	Ton	953		953	X
	2357.502	Bituminous Material for Tack Coat	Gal	208		208	X
	2501.515	18"G.S. Pipe Apron	Each	1		1	P
	2503.511	12"R.C.Pipe Sewer Class 2	Lin.Ft.	196		196	X
	2503.571	Install Concrete Sewer	Lin.Ft.	183		183	X
	2506.509	Construct Catch Basins, Design "C" or "G"	Each	11		11	P
	2506.521	Install Castings	Each	8		8	P
	2506.522	Adjust Frame & Ring Castings	Each	2		2	P
	2506.511	Reconstruct Manholes	Lin.Ft.	1146		1146	X
	2521.501	4" Concrete Walk	Sq.Ft.	12,722		12,722	X
	2531.501	Concrete Curb and Gutter, Design B624	Lin.Ft.	6,078		6,078	X
	2531.502	Concrete Curb, Design B6	Lin.Ft.	125		125	X
	2531.505	Concrete Median (Mountable Type)	Lin.Ft.	46		46	X
	2531.507	8"Concrete Driveway Pavement	Sq.Yd.	410		410	X
	2535.501	Bituminous Curb	Lin.Ft.	1,756		1,756	X
	2545.515	Light Bases, Design "E1"	Each	2		2	P
	2545.515	Light Bases, Design "E"	Each	2		2	P
	2545.521	3" Rigid Steel Conduit	Lin.Ft.	400		400	X
	0565.632	Concrete Handhole	Handhole	11		11	P
	2545.533	Armored Cable, 3 Conductor No. 4	Lin.Ft.	550		550	X
	0545.638	Install Light Standard	Unit	4		4	P
	2503.511	15" R.C. Pipe Sewer Class 2	Lin.Ft.	100		100	X
	2503.511	18" CS Pipe Sewer	Lin.Ft.	44		44	X
①	2575.505	Sodding	Sq.Yd.	5904		5,904	X
	2105.521	Granular Borrow (L.V.)	Cu.Yd.	3406		3406	X

① AS DIRECTED BY THE ENGINEER.
② SEE PLAN SHEETS NO. 15 – NO. 17 FOR DETAIL AND DESIGN.
③ EQUIPMENT HOURS FOR SHAPING ROADWAY STA. 24+00 TO STA. 38+00.

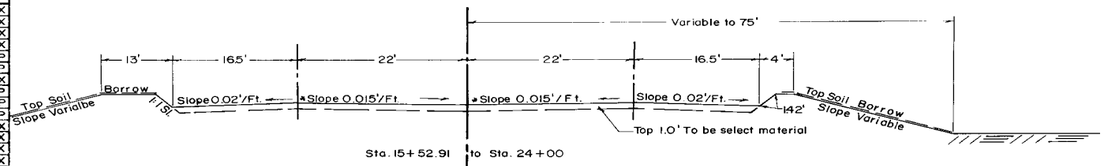
NOTE: All quantities marked with the letter "P" are plan quantities. Quantities marked with the letter "X" are to be based on final field quantities.

STANDARD PLATES

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

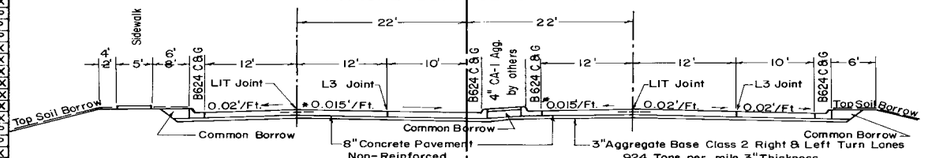
PLATE NO.		DESCRIPTION
0002	A	SPECIFICATION REFERENCE TO STANDARD PLATES
1016	E	CONCRETE PAVEMENTS NON-REINFORCED
1100	J	EXPANSION JOINTS
1120	N	CONTRACTION JOINT
1140	N	LONGITUDINAL JOINTS
1141	B	PAVEMENT KEYWAY FOR KEYED JOINT CONSTRUCTION
1150	M	CONSTRUCTION OF HEADER JOINTS
3000	F	REINFORCED CONCRETE PIPE
3040	D	CORRUGATED STEEL PIPE
3123	F	METAL APRON FOR C.S. PIPE
4002	D	MANHOLE OR CATCH BASIN
4006	H	MANHOLE OR CATCH BASIN
4010	D	CONCRETE SHORT CONE & ADJUSTING RING
4101	B	RING CASTING FOR MANHOLE OR CATCH BASIN
4129	B	CATCH BASIN FRAME CASTING
4140	D	SPECIAL GRATE CASTINGS FOR CATCH BASINS
4151	B	GRATE CASTING FOR CATCH BASIN
4160	C	CURB BOX CASTING FOR CATCH BASIN
5000	A	METAL PIPE FLUME OR SEWER
7020	G	CONCRETE CURBS
7035	H	CONCRETE WALK & CURB RETURNS AT ENTRANCES
7036	A	PEDESTRAIN CURB RAMP
7065	C	BITUMINOUS CURB
7100	D	CONCRETE CURB & GUTTERS
7105	C	CONCRETE MEDIAN
7110	E	CURB & GUTTER CONSTRUCTION AT CATCH BASIN
7111	E	INSTALLATION OF CATCH BASIN CASTINGS
8000	F	STANDARD BARRICADES

TYPICAL GRADING SECTIONS

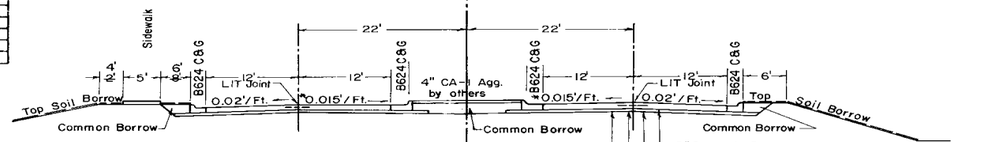


Sta. 15+52.91 to Sta. 24+00

TYPICAL SURFACE SECTIONS

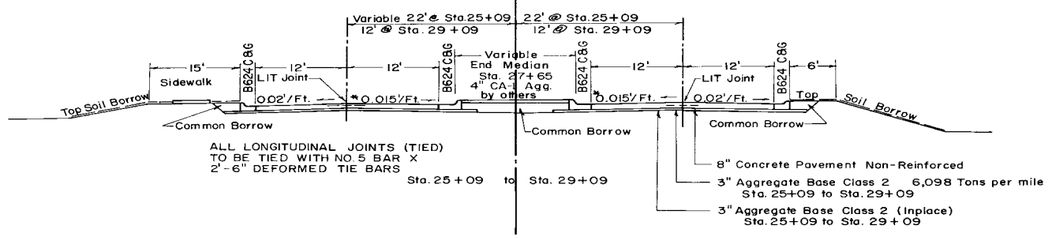


TYPICAL LEFT TURN LANE



ALL LONGITUDINAL JOINTS (TIED) TO BE TIED WITH NO.5 BAR X 2'-6" DEFORMED TIE BARS.

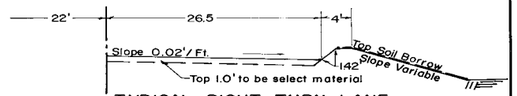
Sta. 15+52.91 to Sta. 25+09



ALL LONGITUDINAL JOINTS (TIED) TO BE TIED WITH NO.5 BAR X 2'-6" DEFORMED TIE BARS

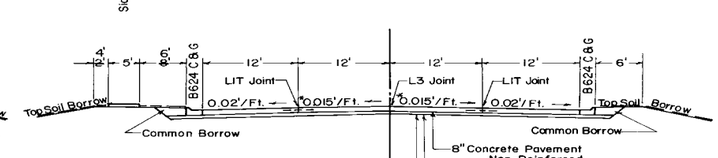
Sta. 25+09 to Sta. 29+09

SPECIAL DETAILS

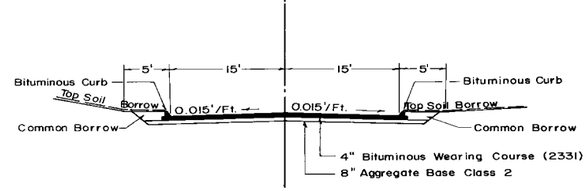


TYPICAL RIGHT TURN LANE

Right Sta. 23+40 to Sta. 24+00



Sta. 29+09 to Sta. 38+00



Sta. 100+00 to Sta. 110+12

CONSTRUCTION NOTES

GRADES:

ALL GRADES FOR PAVING WILL BE ESTABLISHED AND CONSTRUCTED BY THE OLMSTED COUNTY HIGHWAY DEPARTMENT.

JOINTS:

ALL CONTRACTION JOINTS, ALL EXPANSION JOINTS, ALL LONGITUDINAL JOINTS, WILL BE INCIDENTAL TO ITEM NO. 2301.501 CONCRETE PAVEMENT AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR.

* NOTE: Contractor to construct Crown Transition as noted below.

Sta. 15+52.91 +0.015'/Foot to Sta. 18+52.91 −0.015'/Foot.
Sta. 18+52.91 to Sta. 26+00 −0.015'/Foot.
Sta. 26+00 −0.015'/Foot to Sta. 29+00 +0.015'/Foot.
Sta. 29+00 to Sta. 33+50 −0.015'/Foot.
Sta. 33+50 to Sta. 35+50 Transition from Crown to Superelevation.
Sta. 35+50 to Sta. 38+00 Superelevation.

NOTE: All dimmensions and slopes shown on typical sections are approximate.

S.A.P. 55-625-06 & 55-625-08

Minn. Proj. No. _____ State Project No. _____

ALBINSON, INC. MINNEAPOLIS

Olmsted County, Minn. Proj. No. _____ Plan No. _____ Sheet No. 2 of 18 Sheets

Sta. 15+55.41 Permanent Header Joint Inpl.
Remove Header Joint
16.7 Sq. Yds. Conc. Pavement

Remove Sidewalk Left
Sta. 15+52.9 to Sta. 19+48
1722 Sq. Ft.

Remove Sidewalk Center Medians
4331 Sq. Ft.

Ramp Lt. Sta. 18+58
Remove 179.4 Sq. Yds. Conc. Pavement

See Sheet 7 in regard to removal and replacement of lights Lt. Sta. 17+97 and Rt. Sta. 19+18

Remove Curb & Gutter
Sta. 15+52.9 to Sta. 26+00
3,141 Lin. Ft.

Ent. Lt. Sta. 21+50
Remove 34.4 Sq. Yds.
Concrete Pavement

Δ 102° 29'
T 40'
L 57.43'
R 32.11'

Δ 77° 31'
T 30'
L 50.55'
R 37.35'

Δ 90°
T 30'
L 47.12'
R 30'

Δ 90°
T 35'
L 54.98'
R 35'

T. H. 52

N. B. L.

APACHE MALL

7" Bit. Curb

R.O.W. Marker

End Curb & Gutter Removal

End Curb & Gutter Removal

Culv. Outlet

7" Bit. Curb

BEGIN: S.A.P. 55-625-06
Sta. 15+52.91

Pl. Sta 15+52.91
Δ Rt. 00°43'30"

End Construction

R=80.0'
T=56.0'
L=97.7'

20° 00' 00"
Δ Rt. 20° 00' 00"
R=572.96'
T=100.78'
L=200.00'

BRIDGE

55018

B624 C.&G.

CB5 CB CB7

12" R.C. Sewer

CB 6

12" R.C. Sewer

CB 8

15" Metal Sewer

R=200'
T=42.10'
L=83.74'

R=80'
T=59.2'
L=101.9'

End Construction

CB13

CB14

CB15

MH

R.O.W. Marker

Water Shutoff

Survey Line

CB1

CB10

CB11

CB12

CB2

CB3

CB4

18" x 90° R.C.P.

30" Tmp.

Pl. 25+00.07
Δ Lt. 01°41'00"

END GRADING
Sta. 24+00

+12.57

+12.57

Tele. Cable Marker

END: S.A.P. 55-625-06
Sta. 29+45.5

Sand Bar

Catch Basin 5 Lt. Sta. 17+57
Remove Catch Basin
Salvage 72 Lin. Ft. 12" R.C. Sewer
Salvage C.B. Casting
Const. C.B. Design "C" or "G"
Sta. 17+57 - 35' Lt.
Install C.B. Casting Elev. 33.73
Outlet Elev. 27.91
Install 70 Lin. Ft. 12" R.C. Sewer

Catch Basin 7 Lt. Sta. 18+13
Remove Catch Basin
Salvage 72 Lin. Ft. 12" R.C. Sewer
Salvage C.B. Casting
Const. C.B. Design "C" or "G"
Sta. 18+00 - 35' Lt.
Install C.B. Casting Elev. 32.40
Outlet Elev. 26.60
Install 70 Lin. Ft. 12" R.C. Sewer

Catch Basin 6 Rt. Sta. 17+57
Remove Catch Basin
Remove 6 Lin. Ft. Metal Sewer
Salvage C.B. Casting
Const. Catch Basin Design "C" or "G"
Sta. 17+57 35' Rt.
Install C.B. Casting Elev. 33.73
Inlet Elev. North 27.21
Outlet Elev. S.W. 25.00
Connect into existing storm sewer

Catch Basin 8 Rt. Sta. 18+13
Remove Catch Basin
Salvage 53 Lin. Ft. 12" R.C. Sewer
Salvage C.B. Casting
Const. C.B. Design "C" or "G"
Sta. 18+00 35' Rt.
Install C.B. Casting Elev. 32.40
Inlet Elev. North 26.25
Outlet West 26.15
(Install 43 Lin. Feet. 12" R.C. Sewer)

Ramp Rt. Sta. 18+65
Remove 215.9 Sq. Yds. Concrete Pavement

Catch Basin 13 9.12' Lt. Sta. 20+36
Const. C.B. Design "C" or "G"
Grate From No. 802 A
Grate No. 811 Curb Box No. 823A
Inlet Elev. 19.20
Grate Elev. 24.25
(18 Lin. Ft. 12" RCP Cl. II)
Casting to be furnished by Contractor.

Catch Basin 14 9.12' Rt. Sta. 20+36
Const. C.B. Design "C" or "G"
Grate From No. 802 A
Grate No. 811 Curb Box No. 823A
Inlet Elev. 18.90 Outlet Elev. 19.00
Grate Elev. 24.25
(26 Lin. Ft. 12" RCP Cl. II)
Casting to be furnished by Contractor.

Catch Basin 15 34.88' Rt. Sta. 20+36
Const. C.B. Design "C" or "G"
Grate From No. 802 A
Grate No. 811 Curb Box No. 823A
Inlet Elev. 18.55 Outlet Elev. 18.63
Grate Elev. 24.19
(44 Lin. Ft. 18" CS Pipe Sewer)
2-25° Elbows included in length
1-18" G.S. Pipe Apron OUTLET EL. 07.0±
Casting to be furnished by Contractor

Catch Basin 10 9.12' Lt. Sta. 24+60
Const. C.B. Design "C" or "G"
Grate From No. 802 A
Grate No. 811 Curb Box No. 823A
Inlet Elev. ~~06.17~~ 05.97 OUTLET EL. 06.07
Grate Elev. 10.44
(8 Lin. Ft. 12" RCP Cl. II)
Casting to be furnished by Contractor.

Catch Basin 11 0.88' Lt. Sta. 24+60
Const. C.B. Design "C" or "G"
Grate From No. 802 A
Grate No. 811 Curb Box No. 823A
~~Inlet Elev. 06.97~~ Outlet Elev. ~~06.07~~ 06.17
Grate Elev. 10.29
~~(66 Lin. Ft. 15" RCP Cl. II~~
Casting to be furnished by Contractor.

Catch Basin 12 on ℄ Sta. 25+25
Const. C.B. Design "C" or "G"
Grate From No. 700-9
Grate No. 721
Inlet Elev. 05.54 Outlet Elev. 05.64
Grate Elev. ~~10.28~~ 10.00
(~~34~~ 54 Lin. Ft. 15" RCP Cl. II)
Connect into existing ~~storm sewer~~
Connection to be considered as incidental work.
Casting to be furnished by Contractor.
(9 LIN. FT. 12 RCP CL III)

B.M. Elev. 1037.51
Disc. in Br. 55018
over T.H. 52

1040
30
20
10
1000
990

-1.6%

P.V.C. +7.60 Elev. 35.98

P.I. +26
Elev. 33.584
300' V.C.
M=0.9375

P.V.T. +76.0 Elev. 27.43

-4.1%

P.V.C. +56.0 Elev. 16.2

P.I. +50
Elev. 08.0
400' V.C.
M=3.03245

END GRADING

15" R.C.P. Cl. II
-0.5%
Elev. 05.37

P.V.T. +50.0 Elev. 11.93

P.I. +96499

P.V.C. +92.0 Elev. 12.76

P.I. +92
Elev. 14.72695
200' V.C.
M=0.36523

P.V.T. +32.0 Elev. 15.22

+0.5%

Note: Borrow material to be used on fill slopes.

COMMON EXC. 10,527 CU. YDS. EMB 7,135 CU. YDS.
TOPSOIL BORROW 819 CU. YDS. (L.V.)
GRANULAR BORROW 3406 CU. YDS. (L.V.)

CB No. 11 Sta. 24+60
CB No. 12 Sta. 25+25
Storm Sewer Inst. Sta. 25+59

+92.5 +55.41 +92 +53 +72 +18 +55 +36 +55 +00 +12 +60 +27 +37 +81

3.76 37.2 35.6 33.8 33.5 31.7 31.2 30.3 1026.5 25.0 23.5 22.5 18.8 14.0 07.9 05.3 07.1 1008.2 08.4 05.7 04.7 05.2 05.2 08.6 06.8 03.3 02.4 998.2

15 20 25 30

PLATE 1 - PLAN - PROFILE

S.A.P 55-625-06 & 08

C.S.A.H. 25 SHEET 3 OF 18 SHEETS

Street Light Left Sta. 102+94
Salvage Light Standard
Remove Light Standard Base
Const Light Base Design "E1" 18' Lt.
Sta. 102+94
Install Light Standard

Street Light Lt. Sta. 105+37
Salvage Light Standard
Remove Light Standard Base
Const. Light Standard Base "E1" 18' Lt.
Sta. 105+37
Install Light Standard

C.B. 9 15' Rt. Sta. 8+72
Const. C.B. Design "C" or "G"
Grate Fram No. 802 A
Grate No. 811 Curb Box No. 823 A
Outlet Elev. 02.00
Grate Elev. 06.41
(144 Lin. Ft. 12" RCP Cl. II)
Casting to be furnished by contractor

P.I. 3+62.17
Δ Lt. 47°11'30"
D 28°
T 100.11'
L 188.77'
R 204.91'
R 229.18'

P.I. 6+79.09
Δ Lt. 35°14'15"
D 18°12'
T 99.98'
L 193.61'
E 15.49'
R 314.81'

P.I. 201+41.22
Δ Lt. 77°32'
D 92.02'
T 50.0'
L 84.26'
R 62.26'

AREA "A"

End Const. Sta. 201+86.5

OAKVIEW THEATRE

P.C. 2+62.06

P.T. 4+50.83

P.C. 5+79.09

P.T. 7+72.70

F.H.

Water Shut Off

MH. 2

M.H. 2
Sta. 103+36 24' Lt.
Inpl. Manhole Type I (City of Rochester)
Ring Elev. 12.1
Reconstruct Manhole 3.30'
Elev. 08.80'

B624 Curb & Gutter

144 Lin. Ft. 12" R.C.P. Cl. 2

C.B. 11

M.H. 3

C.B. 10

P.C. 201+75.48

P.C. 201+91.22

C.B. 9

C.B. 4

C.B. 1

C.B. 3

C.B. 2

Concrete Median

25

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

P.I. +21.33333
Elev. 09.73466
240' V.C.
M=0.45
C=.3125

P.V.C. +01.33333
Elev. 08.41

P.V.T. +41.33333
Elev. 09.25

+1.1%

-0.4%

132 Lin. Ft. 12" RCP Sewer Cl. 2

-0.4%

Note: Borrow material to be used behind curbs.

Note: Common Excavation to be placed in Area "A".

COMMON EXC. 9,505 CU.YDS.
TOPSOIL BORROW 499 CU. YDS. (L.V.)
COMMON BORROW 481 CU. YDS. (L.V.)

Note: Excavation quantities included in balance Sta. 15+55 to Sta. 24+00 on C.S.A.H. 25.

Finished ℄ Elev.

08.4 08.95 08.88 09.50 09.39 09.82 09.96 09.42 09.27 09.22 09.02 08.82 08.62 08.42 08.22 08.02 07.82 07.62 07.42 07.22 07.02 06.82 06.70 06.62 06.42 06.22

+50 +50 +50 +50 +50 +50 +50 +50 +50 +50 +50 +80 +80 +50

1020
10
1000

10084 09.5 09.9 11.3 12.6 13.5 14.2 15.2 16.0 15.6 18.9 19.4 18.1 15.7 13.9 11.9 08.2 06.4 06.3

+00 +30 +62 +50 +50 +51 +50 +50 +12 +12

100 105 110

+00 +00

Finished ℄ Profile Approach Left Sta. 25+12.5

+00 ℄ 16th Street
+22 ℄ W.B. Lane
+44 Edge Rt. Turn Lane

1010
1000

-2.62%

Finished ℄ Elev.

10.7 10.37 09.93 09.77 08.46 07.91 07.15 06.50 06.40

+22 +44 +50 +21 +75 +87

200 201

SAP 55-625-06 & 08 | Approach into Apache Mall | OLMSTED COUNTY, MINN. | C.S.A.H. 25 | SHEET 4 OF 18 SHEETS

SINGLE PLAN & PROFILE SHEETS
SPARLES BRENNING COMPANY, INC.

W-1
Sta. 21+34 – 44' Lt.
Inpl. 12" Gate Valve
Adjust frame and Ring Casting
Elev. 20.96

Const approach left Sta. 25+12.5
10" Aggregate Base Class 2
4" Bituminous wearing Course (2331)
Const. mountable type median.

Radius "B"
Δ 102° 29'
T 40'
L 57.43'
R 32.11

Radius "C"
Δ 77° 31'
T 30'
L 50.55'
R 37.35'

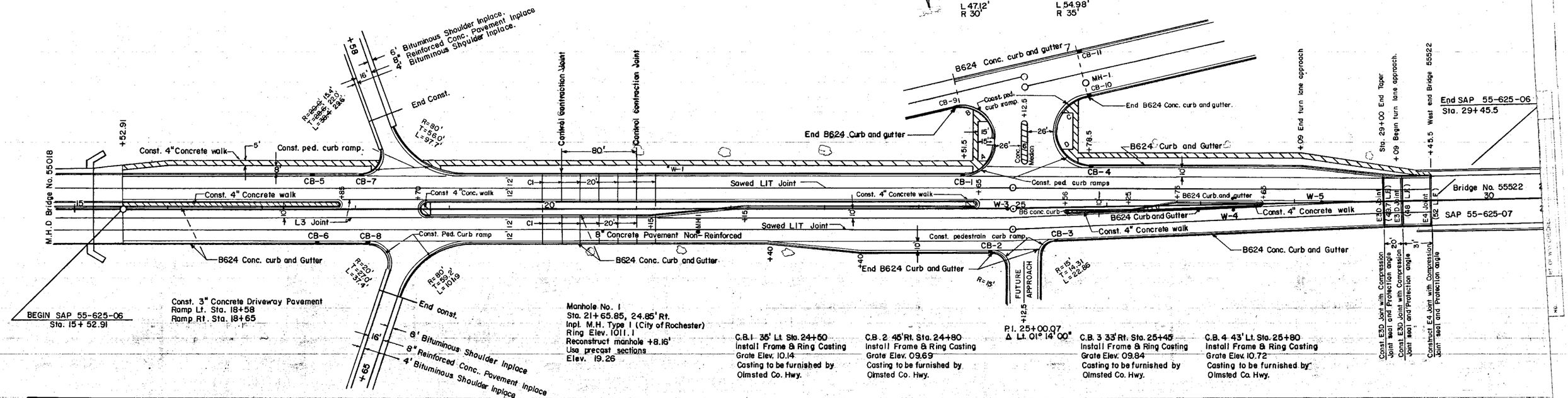
W-3
Sta. 24+95 – ℄
Inpl. Gate Valve

W-4
Sta. 27+35
Inpl. Gate Valve 6' Lt.
Inpl. Gate Valve 6' Rt.

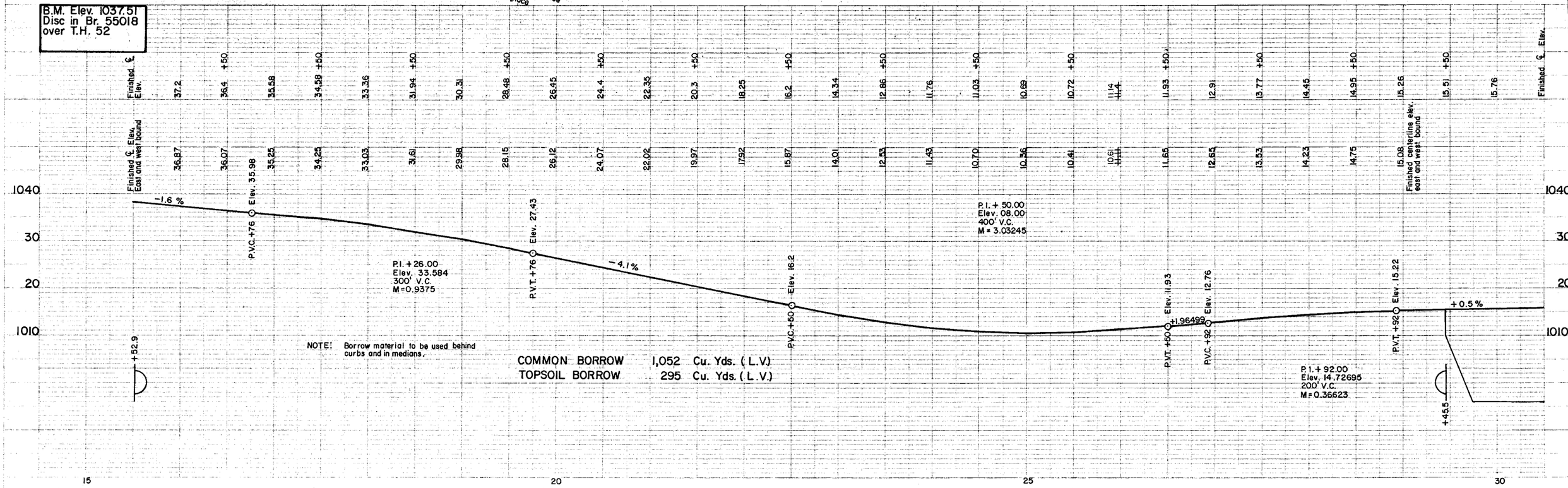
W-5
Sta. 28+30 – ℄
Inpl. Gate Valve

Radius "A"
Δ 90°
T 30'
L 47.12'
R 30'

Radius "D"
Δ 90°
T 35'
L 54.98'
R 35'



B.M. Elev. 1037.51
Disc in Br. 55018
over T.H. 52



NOTE: Borrow material to be used behind curbs and in medians.

COMMON BORROW	1,052	Cu. Yds. (L.V.)
TOPSOIL BORROW	295	Cu. Yds. (L.V.)

SINGLE PLAN & PROFILE - DOTTED
SHAMES DRAWING COMPANY, INC.

+45.5 West End Bridge 55522

RIVER

BEGIN: S.A.P 55-625-08
Sta. 32+66.5

Const. E4 Joint with compression Joint Seal and Protection Angle (52 Lin. Ft.)

Const. E3D Joint with compression Joint Seal and Protection Angle (48 Lin. Ft.)

Const. E3D Joint with compression Joint Seal and Protection Angle (48 Lin. Ft.)

50'

75'

30

SURVEY LINE

60'

BRIDGE NO. 55522
S.A.P. 55-625-07

26'

26'

31'

CONST. 4" CONC. WALK

CATCH BASIN OUTLET TO NORTH

5'

B624 CONCRETE CURB & GUTTER

PC. 35+49.69

END: S.A.P 55-625-08
Sta. 38+00

P.I. 38+57.12
Δ Lt. 11°44'30"
D 1°55'
T 307.38'
L 612.61'

P.T. 41+69.69

B624 CONC. CURB & GUTTER (INPL.)

+60

S.A.P 55-625-09
1972

40

W-12

W-13+35

12' 12' 12' 12' 11' 12' 12' 12' 11.5' 11.5'

11.8' 11.4'

8" CONCRETE PAVEMENT
NON-REINFORCED

W-7B

8" Concrete Pavement Non-Reinforced (Inplace)

B624 Concrete Curb & Gutter

CONST. 4" CONC. WALK

+66.5

+75

+75

B624 Conc. Curb & Gutter (Inplace)

Construct 2 Bridge Approach Panels at Bridge No. 55522.
See Sheets No. 15-17

W-7B
A pt. on semi-tan. 220.31'
East Sta. 35+49.69
Inpl. 12" Gate Valve
Adjust Frame & Ring Casting

ROCHESTER CORPORATE CITY LIMITS

ZUMBRO

W-12
Sta. 33+70 - ℄
Inpl. Gate Valve

W-13
Sta. 35+00
Inpl. Gate Valve 5' Rt.
Inpl. Gate Valve 5' Lt.

East End Bridge

C.R. 125

Finished ℄ Elev.

15.76 16.01 16.26 16.51 16.76 17.01 17.09 17.24 17.36 17.38 17.30 17.11 16.81 16.42 16.19 15.39 14.88 14.47 14.15 13.94

+50 +50 +50 +50 +50 +50 +66.5 East End +50 +50 +50 +50 +50 +50 +50

P.I. +50.37354
Elev. 18.01187
370' V.C.
M=0.71687

P.V.C. +65.3735
Elev. 17.08686

+0.5%

P.V.T. +35.37350
Elev. 16.06937

-1.05%

P.V.C. +16.82516
Elev. 15.21413

P.V.T. +16.82516
Elev. 14.11412

+0.5%

P.I. +16.82516
Elev. 13.11413
400' V.C.
M=0.775

1020
10
1000
990

Note: Borrow Material to be used behind curbs and in medians.

COMMON BORROW 207 CU.YDS. (L.V.)
TOPSOIL BORROW 55 CU.YDS. (L.V.)

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

+00

+23 +67 +70 +25 +50 +31 +66

96.0 96.0 96.0 96.0 93.8 93.8 96.0 96.0 16.3 16.5 1015.2 15.5 14.5 13.6

30 35 40

SINGLE PLAN & PROFILE - DOTTED

HIGHWAY LIGHTING SYSTEM

100 50 0 100

DISTANCE IN FEET

SOURCE OF POWER

F&I RIGID STEEL CONDUIT (R.S.C.)

R.S.C. INPLACE

F&I PERMANENT GROUND ROD (25 OHMS OR LESS) AS INDICATED

MERCURY VAPOR LIGHTING UNIT IES TYPE II

MERCURY VAPOR LIGHTING UNIT IES TYPE III

LAMPS SHALL BE 400 WATT H33-ICD (CLEAR MERCURY)

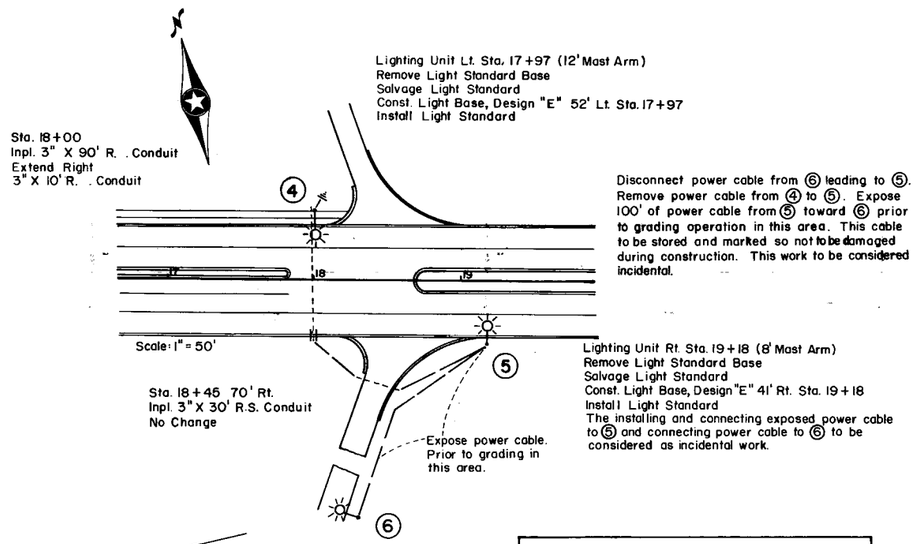
DISTRUBUTION CIRCUITS-3 WIRE NO. 4 A.W.G. (ARMORED CABLE) SPEC. NO. 3805 OR 3804

SUCCESSIVE LIGHTS SHALL BE CONNECTED ON ALTERNATE SIDES OF THE 3 WIRE CIRCUITS

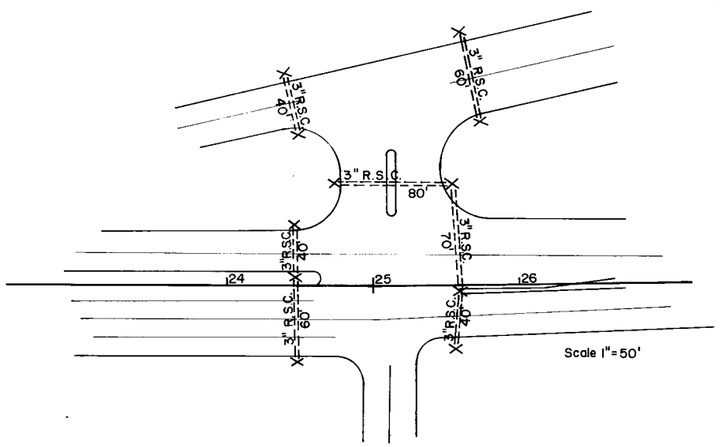
LIGHT STANDARDS WITH THIS SYMBOL SHALL HAVE MAST ARMS MOUNTED PERPENDICULAR TO THE ℄ OF THE MAIN ROADWAY

HANDHOLES (INPLACE)

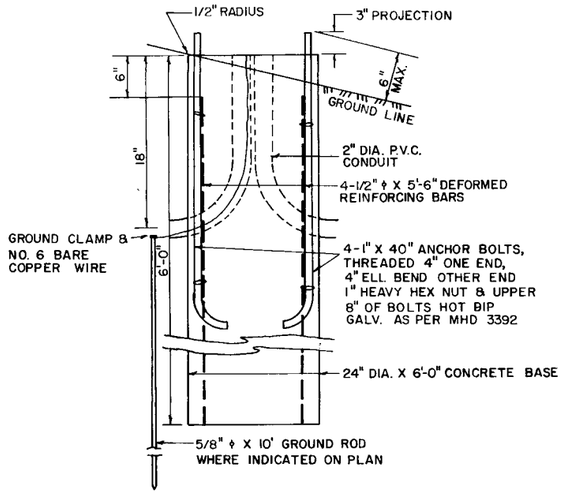
HANDHOLES (F&I)

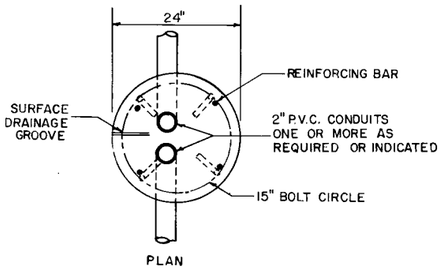


LIGHT STANDARD AND BASE					
NO.	STATION	LT.	RT.	LOCATION	MAST ARM
4	17+97	52'		C.S.A.H. 25	12'
5	19+18		41'	C.S.A.H. 25	8'



LIGHT BASE, DESIGN E





LIGHT BASE, DESIGN E1

