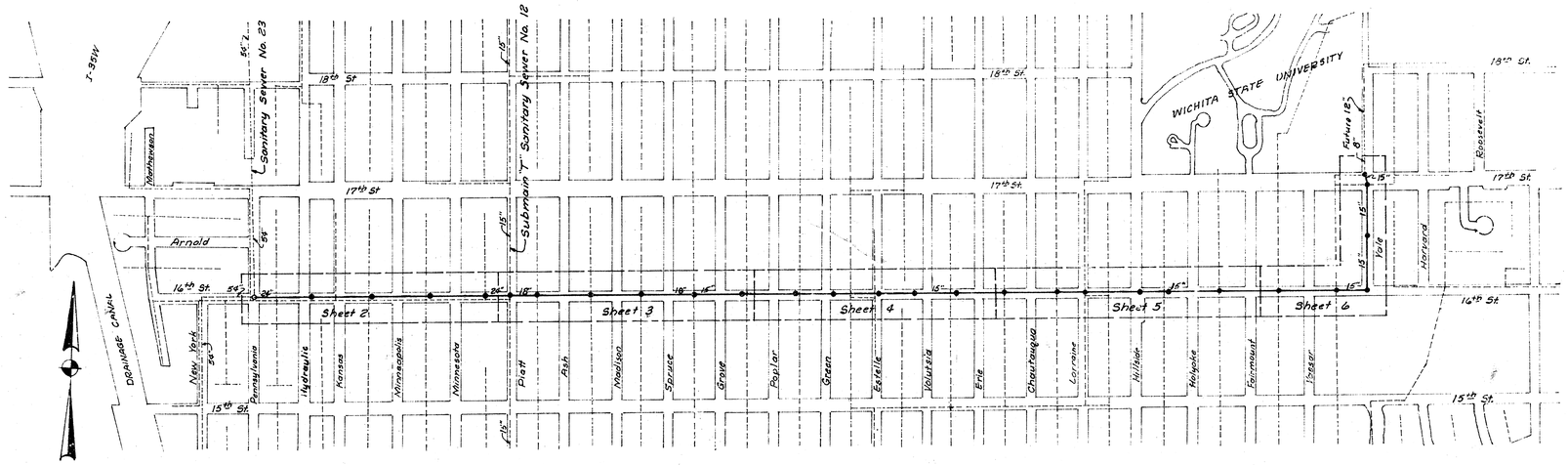
W.S.U. INTERCEPTOR

CITY OF WICHITA, KANSAS

R.W. LINN, CITY ENGINEER



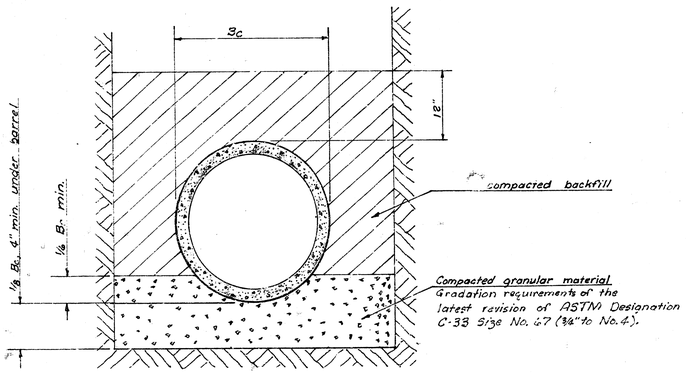
SCALE: 1"=400'

LEGEND

Existing Sewer (8" unless otherwise shown)

Proposed Line with Manholes

Connect to existing manhole



TYPICAL PIPE BEDDING THIS PROJECT
No Scale

GENERAL NOTES

1. FIELD ENGINEER SHALL ESTABLISH HORIZONTAL AND VERTICAL CONTROL POINTS AS NECESSARY TO FACILITATE PAVEMENT REPLACEMENT PRIOR TO REMOVAL OF EXISTING PAVEMENT.
2. THE TOPS OF MANHOLES SHALL BE SET TO ELEVATIONS TO MATCH THE SURFACE OF EXISTING GROUND, GRAVEL SURFACED ROADS, OR PAVEMENT AS REPLACED.
3. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES WHICH MAY BE DESTROYED. FIELD ENGINEER SHALL REPLACE ALL IRONS AND THIMBLES WHICH ARE DESTROYED.
4. WHEN WORK IS BEING COMPLETED IN OR ADJACENT TO GROVE STREET OR HILLSIDE AVENUE, SUCH THAT THE WORK WILL IMPEDE THE FLOW OF TRAFFIC ON THESE STREETS, THE CONTRACTOR WILL BE REQUIRED TO WORK 10 HOURS PER DAY AND SIX DAYS PER WEEK UNTIL SUCH TIME ALL WORK AFFECTING THE FLOW OF TRAFFIC ON THESE TWO STREETS HAS BEEN COMPLETED SUCH THAT TRAFFIC FLOW WILL NOT BE HINDERED IN ANYWAY. ONE LANE OF NORTHBOUND TRAFFIC AND ONE LANE OF SOUTHBOUND TRAFFIC SHALL BE CARRIED THROUGH CONSTRUCTION ON HILLSIDE AVENUE AT ALL TIMES.
5. CONTRACTOR'S CONSTRUCTION METHODS SHALL BE SUCH THAT WILL REQUIRE CLOSING OF ONLY TWO CONSECUTIVE NORTH-SOUTH STREETS.
6. CONTRACTOR WILL BE REQUIRED TO MAINTAIN SUITABLE PEDESTRIAN CROSSWALKS AT ALL INTERSECTIONS AND AT THE CENTER OF EACH BLOCK.
7. TRAFFIC CONTROL NECESSARY TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE SECRETARY OF TRANSPORTATION AND IN PARTICULAR PART VI OF SAID MANUAL.
8. GRANULAR MATERIAL TO BE USED FOR IMPROVED BEDDING SHALL BE DURABLE CRUSHED ROCK MEETING THE GRADATION REQUIREMENTS OF THE LATEST REVISION OF A.S.T.M. DESIGNATION C-33 SIZE NO. 67 (3/4" TO NO. 4).
9. ALL MANHOLES SHALL BE STANDARD 4' DIAMETER TYPE B MANHOLES UNLESS OTHERWISE NOTED ON THE PLANS.

AS BUILT - [illegible] 4-2-71 IH RT D.W.

W.S.U. INTERCEPTOR PROJECT NO. DBKJ 573026

DATE_____

Sheet 1 of 6

463 76 245 8019 000 [illegible]

B.M. 117.61 "X" cut Top S. cb. 16th Street 5' W. of W.L. Pennsylvania

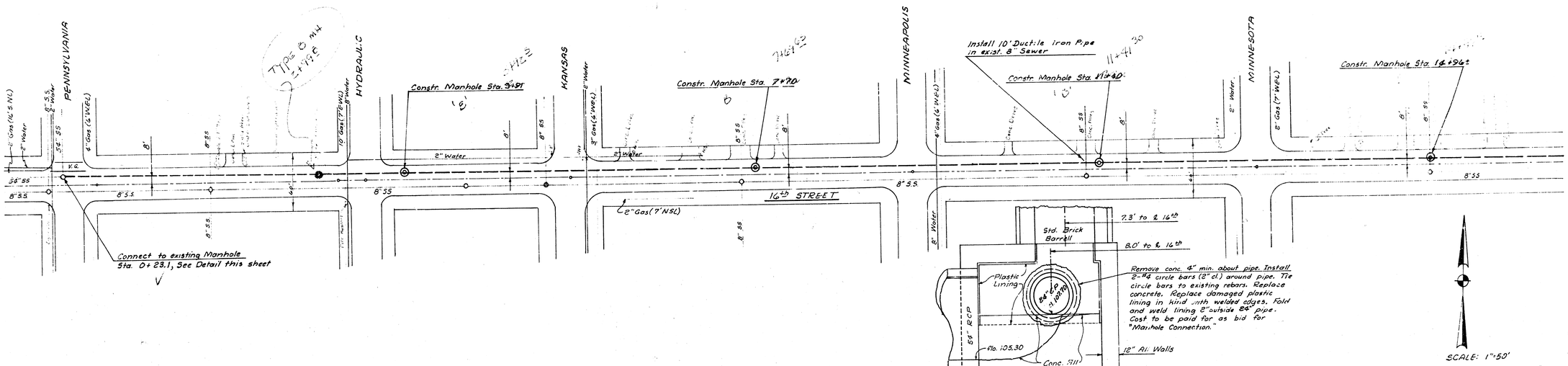
B.M. 117.250 City Std @ Hydraulic & 17th

B.M. 116.75 R.R. Spike N. Side Large P.P. on S.E. Cor. 16th & Hydraulic

B.M. 117.45 "a" cut Top of ob. Minneapolis 5' S. of S.L. 16th

NOTE: CONCRETE COLLARS SHALL BE INSTALLED AROUND EACH JOINT CONNECTING EXISTING 8" CLAY PIPE TO NEW 8" CLAY PIPE OR 8" DUCTILE IRON PIPE. THE COLLARS SHALL EXTEND A MINIMUM OF 12" EACH SIDE OF THE JOINT. INSTALLATION OF CONCRETE COLLARS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE.

JFG. 232 & 233



MANHOLE CONNECTION STA. 0+23.1
Scale: 3/8" = 1'0"

SCALE: 1"=50'

Thimble: Sta. 0+60 ℄ 16th, E.L. Pennsylvania

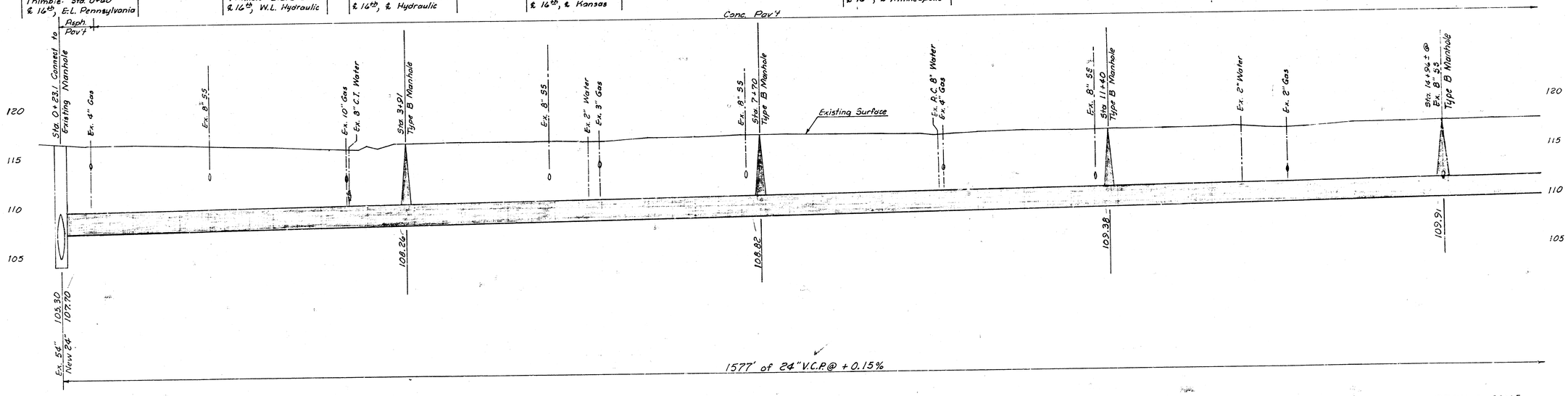
Thimble: Sta. 3+20.02 ℄ 16th, W.L. Hydraulic

Thimble: Sta. 3+48.95 ℄ 16th, ℄ Hydraulic

Thimble: Sta. 5+48.93 ℄ 16th, ℄ Kansas

Thimble: Sta. 9+39.90 ℄ 16th, ℄ Minneapolis

Thimble: Sta. 13+05.89 ℄ 16th, ℄ Minnesota



PROFILE SCALE
Hor. 1"=50
Ver. 1"=5'

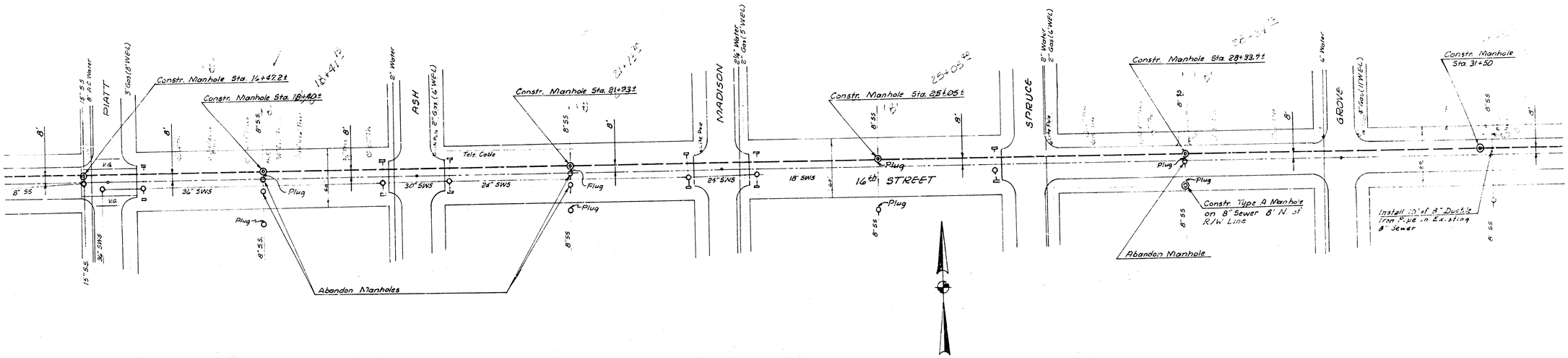
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	107.82	107.97	108.12	108.27	108.42	108.57	108.72	108.87	109.02	109.17	109.32	109.47	109.62	09.77	109.92	110.07

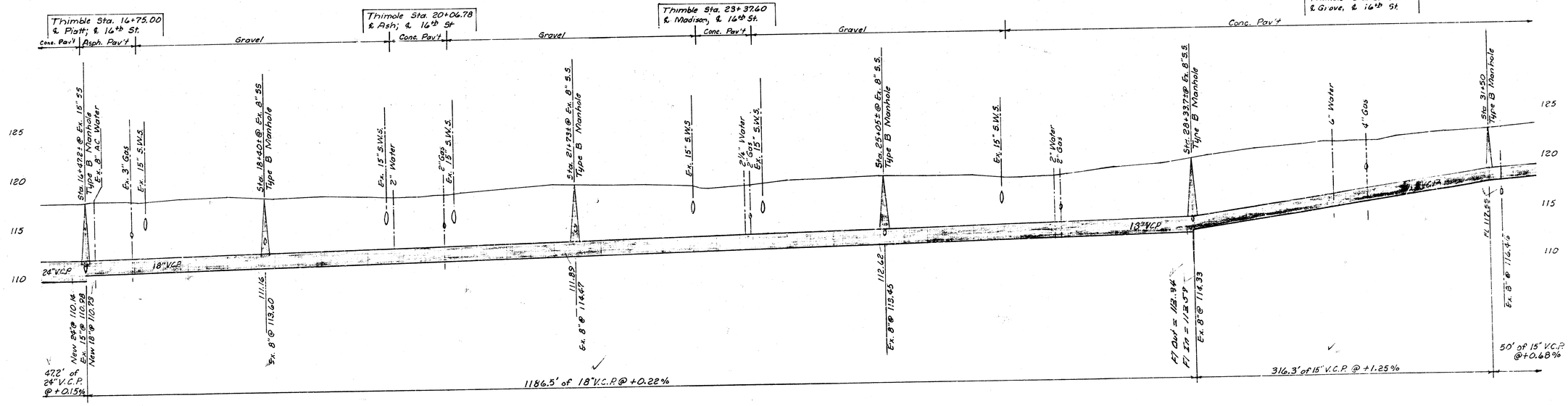
B.M. 118.46 "x" cut top conc. base N. side cor. fence post on SW cor. 16th & Platt

BM 119.43 "x" cut top E curb Madison 5' N. of NL of 16th

BM 123.09 "x" cut ctr. Wk. South, W. side Grove @ S. Line 16th Street

BM 124.56 City Std @ Grove & 17th





PROFILE SCALE
Hor. 1"=50'
Ver. 1"=5'

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
110.07	110.85	111.07	111.28	111.51	111.73	111.95	112.17	112.39	112.61	112.83	113.05	113.27	114.12	115.67	116.92	117.89

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BM. 128.29 "x" cut Top E. cb. Green 4' N of NL 16th

BM 144.99 R.R Spike S. Side Large P.P. on S.W. cor. Volutsia & 16th St

POPLAR

2" Water

2" Gas (4" WEL)

Constr. Manhole Sta. 34+75

Constr. Type A Manhole on existing 8" Sewer. 8' S. of R/W Line

8" SS

6" C.I. Water

GREEN

3" Gas (4" WEL)

Constr. Manhole Sta. 37+00 w/ wide flange ring

Conc. Drive

8" SS

Remove Existing Manhole Install 10' of 8" Ductile Iron Pipe across manhole opening

8" SS

2" Gas (4" PVC)

2" Water

ESTELLE

2" Gas (12" WEL)

Constr. Manhole Sta. 39+86

Constr. Manhole Sta. 42+43

8" SS

Elm Tree

Install 10' of 8" Ductile Iron Pipe in exist. 8" Sewer

8" SS

8" SS

16th STREET

VOLUTSIA

2" Gas (4" PE)

6" C.I. Water (3" WEL)

Constr. Manhole Sta. 45+00

8" SS

8" SS

ERIE

2" Water

2" Gas (5/8" WEL)

SCALE 1"=50'

Thimble: Sta. 39+84.61 & Estelle, & 16th St.
Conc. Pav't

Thimble: Sta. 43+20.88 & Volutsia, & 16th St

Ex. 2" Water

Ex. 2" Gas

Sta. 34+75 Type B Manhole

Ex. 6" Water

Ex. 3" Gas

Sta. 37+00 Type B Manhole

Ex. 2" Gas

Ex. 2" Water

Sta. 39+86 Type B Manhole

Sta. 42+43 Type B Manhole

Ex. 2" Gas

Ex. 6" Water

Sta. 45+00 Type B Manh.

Ex. 2" Water

Ex. 2" Gas

15" V.C.P.

Flo. 119.76

Ex. 8" @ 118.80

Flo. 123.38

Ex. 8" @ 123.97

Flo. 133.00

Ex. 8" @ 131.1

Flo. 136.37

Flo. 139.77

Ex. 8" @ 136.40

275' of 15" V.C.P. @ +0.68%

225' of 15" V.C.P. @ +1.61%

286' of 15" V.C.P. @ +3.364%

514' of 15" V.C.P. @ +1.317%

300' of 15" V.C.P. @ +0.62%

117.89	118.57	118.25	120.16	121.77	123.38	126.75	130.11	133.19	134.50	135.82	137.13	138.45	139.77	140.39	141.01	141.63	
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	

PROFILE SCALE
Hor. 1"=50'
Ver. 1"=5'

WSU INTERCEPTOR

PROJECT NO. DBKJ 573036

Revised 6-27-77

Sheet 4 of 16

BM 151.59 RR Spike N. side Large P.P. on S.E. cor. Chautauqua & 16th

BM 179.86 RR Spike N side Large P.P. on S.E. cor. Hillside & 16th

BM 199.55 RR Spike N side Large P.P. on S.W. cor. 16th & Holyoke

Constr. Manhole Sta. 48+11.5±

Constr. Manhole Sta. 51+41.8±

Constr. Manhole Sta. 53+76.9±

Constr. Manhole Sta. 54+75

Constr. Type A Manhole on 8" Line 6' south of R/W Line

Constr. Manhole Sta. 58+50

Constr. Manhole Sta. 61+84±

Remove Manhole, Install 15'± of 8" Ductile Iron Pipe in Existing 8" Sanitary Sewer.

Remove existing manhole Install 10 L.F. of 8" V.C.P. to new manhole.

CHAUTAUQUA · LORAINE · HILLSIDE · HOLYOKE · FAIRMOUNT · 16th STREET

SCALE: 1"=50'

Thimble: 56+42.44 & 16th St; & Hillside

Thimble: Sta. 40+02.23 & 16th St; & Holyoke

Thimble: Sta. 63+92.21 & 16th St; E-L Fairmont

Conc. Pav't

Brick Pav't (Replace with Conc. Pav't)

Sta. 48+11.5 @ Ex. 8" S.S. Type B Manhole

Sta. 51+41.8 @ Ex. 8" S.S. Type B Manhole

Sta. 53+76.9 @ 8" S.S. Type B Manhole

Sta. 56+75 Type B Manhole

Sta. 58+50 Type B Manhole

Sta. 61+84± @ Ex. 8" S.S. Type B Manhole 6" Outside Drop on north line

2" Water · 2" Gas · 4" Gas @ 12" C.I. Water · Tele. Duct · 3" Gas · 6" A.C. Water · 4" Gas @ 6" A.C. Water

15" V.C.P.

11.6' of 15" V.C.P @ +0.42 %

Ex. 8" @ 142.54

Ex. 8" @ 151.29

Ex. 8" @ 156.99

Ex. 8" @ 176.10

329.6' of 15" V.C.P. @ +2.37 %

533.8' of 15" V.C.P. @ +3.91 %

175' of 15" V.C.P @ 4.82 %

334' of Concrete Encasement 334' of 15" V.C.P @ +0.35 %

216' of Concrete Encasement 216' of 15" V.C.P @ +0.35 %

PROFILE SCALE Hor. 1"=50' Ver. 1"=5'

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BM 199.24 R.R. Spik N. side Large Elm Tree on S.E. Cor. 14th & Vassar

BM 187.47 RR Spike, N-side Large PP S. Side 16th St. E.L. Yale

BM 196.10 RR Spike West side PP on S.E. Cor. Yale & 17th St.

