

PROJECT ID:

INDEX OF SHEETS

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Sheet No.	Typical Sections and Details
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Sheet No.	Miscellaneous Quantities
Sheet No.	Right of Way Plat
Sheet No.	Plan and Profile
Sheet No.	Standard Detail Drawings
Sheet No.	Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
LOSEY BOULEVARD & WARD AVENUE INTERSECTION, CITY OF LA CROSSE
(INTERSECTION OF LOSEY BOULEVARD AND WARD AVENUE)
LOCAL STREET
LA CROSSE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5991-07-09		

STATE PROJECT NUMBER
5991-07-09

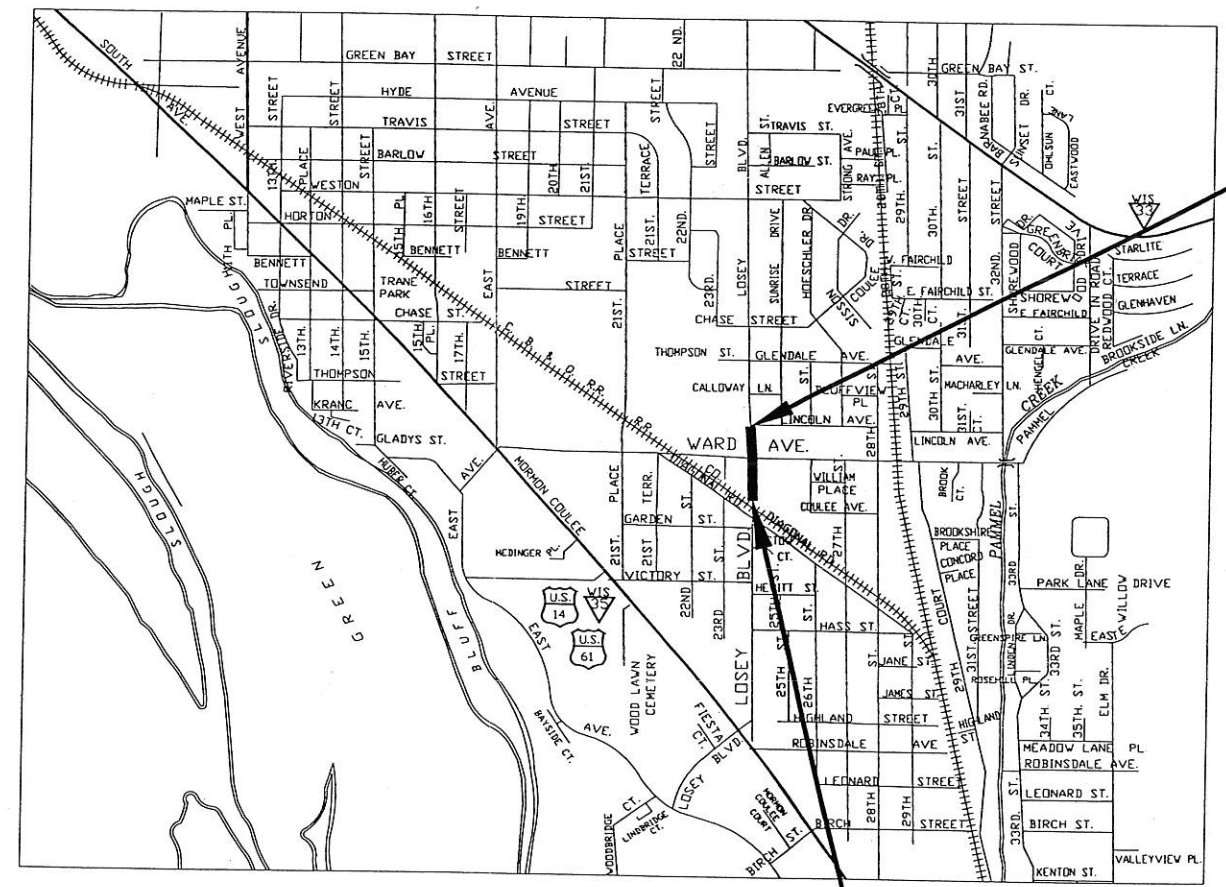


DESIGN DESIGNATION

A.D.T. 2003	=	20,200
A.D.T. 2023	=	54,146
D.H.V.	=	-
D.D.	=	45 mph
T.	=	3%
DESIGN SPEED	=	30 mph
ESALS	=	-

CONVENTIONAL SYMBOLS

COUNTY LINE		COMBUSTIBLE FLUIDS	
CORPORATE LIMITS		UNDERGROUND UTILITIES	
PROPERTY LINE		GAS	
LOT LINE		ELECTRIC	
LIMITED EASEMENT		TELEPHONE OR TELEGRAPH	
EXISTING RIGHT OF WAY		COMMUNICATIONS LINE	
PROPOSED OR NEW R/W LINE		SERVICE PEDESTAL	
SURVEY LINE		POWER POLE	
SLOPE INTERCEPT		TELEPHONE POLE	
ORIGINAL GROUND		RAILROAD	
MARSH OR ROCK PROFILE		SANITARY SEWER	
(To be noted as such)		STORM SEWER	
MARSH AREA		WATER	
WOODED OR SHRUB AREA		EXISTING CULVERT	
		PROPOSED CULVERT	
		(Box or Pipe)	
		GULVERT (Profile View)	



SCALE 0 1000' 2000'

TOTAL NET LENGTH OF CENTERLINE = 0.148 MI.

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LA CROSSE COUNTY

END OF PROJECT
 STATION 7+81.5
 N 11°08'11" W 302.81'
 FROM NORTH 1/4 SECTION 6
 T 15N, R 7 W.
 X = 443518.170
 Y = 131238.363

ACCEPTED FOR
 CITY of LA CROSSE
1/5/04 [Signature]
 CITY ENGINEER
 (Date) (Title of Official)

ORIGINALLY DESIGNED BY
 CITY OF LA CROSSE
 ENGINEER GREGORY DEPARTMENT
 KOZELEK
 E-27619
 LA CROSSE, WIS.
Jan 5 2004 [Signature]
 (Date) (Professional Engineer)

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 PREPARED BY
 Surveyor DAVE KARL
 Designer GREG KOZELEK
 District Examiner NATHAN BYOM
 District Supervisor RANDY BYOM
 Proj. Dev. Engineer _____
 C.D. Examiner _____

APPROVED FOR DISTRICT OFFICE
 DATE: *1/6/04* *[Signature]*
 (Signature)

BEGINNING OF PROJECT
 STATION 0+00
 S 1°22'21" W 480.91'
 FROM NORTH 1/4 SECTION 6
 T 15N, R 7 W.
 X = 443565.137
 Y = 130460.486

STANDARD ABBREVIATIONS

A.D.T. = AVERAGE DAILY TRAFFIC	LT. = LEFT
AGG. = AGGREGATE	M.P. = MARKER POST
AH = AHEAD	N. = NORTH
< = ANGLE	N.C. = NORMAL CROWN
ASPH. = ASPHALTIC	NO. = NUMBER
B.F. = BACK FACE	PAV'T = PAVEMENT
B.M. = BENCH MARK	P.C. = POINT OF CURVATURE
BEG. = BEGIN	P.I. = POINT OF INTERSECTION
BK = BACK	P.L. = PROPERTY LINE
C, C.L. = CENTERLINE	P.L.E. = PERMANENT LIMITED EASEMENT
Δ = CENTRAL ANGLE OR DELTA	P.T. = POINT OF TANGENCY
C.M.P. = CORRUGATED METAL PIPE	P.E. = PRIVATE ENTRANCE
C.M.C.P. = CORRUGATED METAL CATTLE PASS	R. = RADIUS
CO. = COUNTY	R/L = REFERENCE LINE
C.P. = CULVERT PIPE	R. = RIVER
CR = CRUSHED	RD. = ROAD
CR. = CREEK	REQ'D = REQUIRED
C. & G. = CURB AND GUTTER	R.H.F. = RIGHT-HAND FORWARD
CTH = COUNTY TRUNK HIGHWAY	R/W = RIGHT-OF-WAY
C.Y. = CUBIC YARD	RT. = RIGHT
CWT. = HUNDREDWEIGHT	S. = SOUTH
D. = DEGREE OF CURVE	S.F. = SQUARE FEET
DIA. = DIAMETER	S.D.D. = STANDARD DETAIL DRAWING
DISCH. = DISCHARGE	SHLDR. = SHOULDER
DWY. = DRIVEWAY	SHR. = SHRINKAGE
E. = EAST	S/L = SURVEY LINE
EA. = EACH	STH = STATE TRUNK HIGHWAY
ELEC. = ELECTRIC	STA. = STATION
EL. OR ELEV. = ELEVATION	T = TANGENT
EXC. = EXCAVATION	T. = TRUCKS (PERCENT OF)
FERT = FERTILIZER	T.C. = TOP OF CURB
F.E. = FIELD ENTRANCE	TEMP. = TEMPORARY
F.L. OR F/L = FLOWLINE	T.L.E. = TEMPORARY LIMITED EASEMENT
F.P. = FIELD POST	-T-, TEL. = TELEPHONE
INL. = INLET	V.C. = VERTICAL CURVE
INTERS. = INTERSECTION	UNCL. = UNCLASSIFIED
JT. = JOINT	USGS = UNITED STATES GEOLOGICAL SURVEY
L. = LENGTH (OF CURVE)	UG. = UNDERGROUND (CABLE)
L.B. = POUND	W. = WEST

GENERAL NOTES

ALL COORDINATES SHOWN ON THE PLAN ARE COUNTY COORDINATES.

LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CROSS SLOPES AS SHOWN ON THE TYPICAL CROSS SECTION WILL VARY AT THE INTERSECTIONS. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

ALL RADII ARE MEASURED TO FLAG LINE UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN

WHEN PORTIONS OF EXISTING PAVEMENT, WHETHER IN THE MAINLINES, DRIVEWAYS, OR SIDEWALKS ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT THROUGH THE SURFACE SO THAT REMOVAL OF THE PAVEMENT CAN BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED OR PAVED AS DIRECTED BY THE ENGINEER.

TOPSOIL SHALL BE PLACED 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS WHEN PLACING SOD

CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PIPE LAYING OPERATIONS AND PAVING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO THE DRIVEWAY SHALL BE RE-ESTABLISHED AS SOON AS IT IS REASONABLY POSSIBLE TO DO SO.

THE EXACT LOCATION OF PRIVATE AND COMMERCIAL ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER

ALL PROPOSED STORM SEWER SHALL HAVE ANNULAR RUBBER GASKET JOINTS.

ADJUSTMENT RINGS ON INLETS AND MANHOLES SHOULD NOT BE LESS THAN 2 INCHES.

ELEVATIONS FOR THOSE DRAINAGE STRUCTURES TO BE ADDED WITHIN AN EXISTING LINE ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED BY THE ENGINEER IN THE FIELD.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO FIRE HYDRANTS, WATER AND GAS VALVES AND ALL SEWER, WATER AND UTILITY MANHOLES.

DIGGERS HOTLINE: 1-800-242-8511

STANDARD DETAIL DRAWINGS

8A6-4	CB TYPE 1
8D1-13	C&G PAVEMENT TIES
8D5-9A&B	CURB RAMP
8E9-5	SILT FENCE
8E10-2	INLET PROTECTION
9B4-5	PULL BOX
13C1-11	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND PAVEMENT TIES
13C13-4	URBAN DOWELED CONCRETE PAVEMENT
15C 3-1	BARRICADES AND SIGNS
15C 8-9A	PAVEMENT MARKING
15D 30-1	TRAFFIC CONTROL, SIDEWALK CLOSURE

WISCONSIN DEPARTMENT OF
NATURAL RESOURCES LIAISON
1300 W. CLAIRMONT AVE.
EAU CLAIRE, WI 54702
JIM DOPERLSKI
715-839-1609

CITY OF LA CROSSE
PUBLIC WORKS
PAT CAFFREY
400 LA CROSSE ST.
LA CROSSE, WI 54601
608-789-7599

CITY OF LA CROSSE
ENGINEERING DEPARTMENT
GREG KOZELEK
400 LA CROSSE ST.
LA CROSSE, WI 54601
608-789-7505

TRANE COMPANY
3600 PAMMEL CREEK RD.
LA CROSSE, WI 54601
DALE NOEL
608-787-2000

ELECTRIC
SARAH NYSTUEN
XCEL ENERGY
1414 W. HAMILTON AVE.
EAU CLAIRE, WI 54702
715-836-1177

COUNTY OF LA CROSSE
SHARON LEMKE - COUNTY CLERK
COUNTY OF LA CROSSE
400 4TH ST. NORTH
LA CROSSE, WI 54601
608-785-9581

CITY OF LA CROSSE
STREET DEPARTMENT
RANDY HINZE
2000 MARCO DR.
LA CROSSE, WI 54601
608-789-7305

NATURAL GAS
JOANNA KACHEL
XCEL ENERGY
3215 COMMERCE ST.
LA CROSSE, WI 54602
608-789-3634

CABLE TELEVISION
LARRY LADWICK
CHARTER COMMUNICATIONS
1228 12TH AVE. S.
ONALASKA, WI 54650
608-785-4124

TELEPHONE
ED FEYEN
CENTURYTEL
333 N. FRONT ST.
LA CROSSE, WI 54601
608-796-5143

CITY OF LA CROSSE
WATER DEPARTMENT
TOM BERENDES
400 LA CROSSE ST.
LA CROSSE, WI 54601
608-789-7385

PROJECT NO: 5991-07-09	HWY: LOSEY BLVD. / WARD AVE.	COUNTY: LA CROSSE	GENERAL NOTES AND SHEET ORDER	SCALE, FEET	SHEET NO: E
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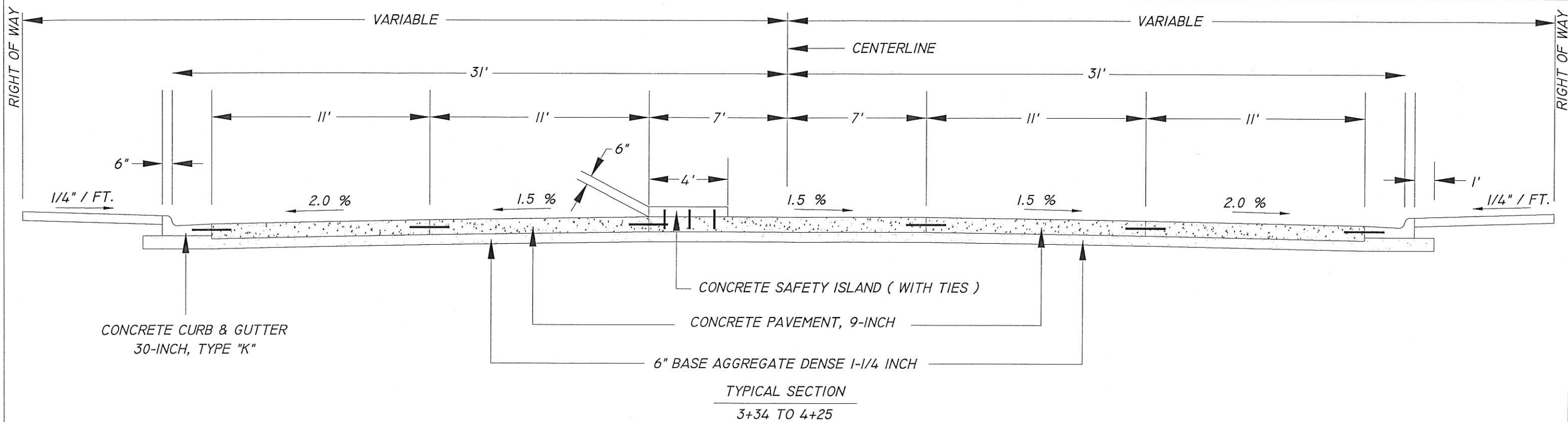
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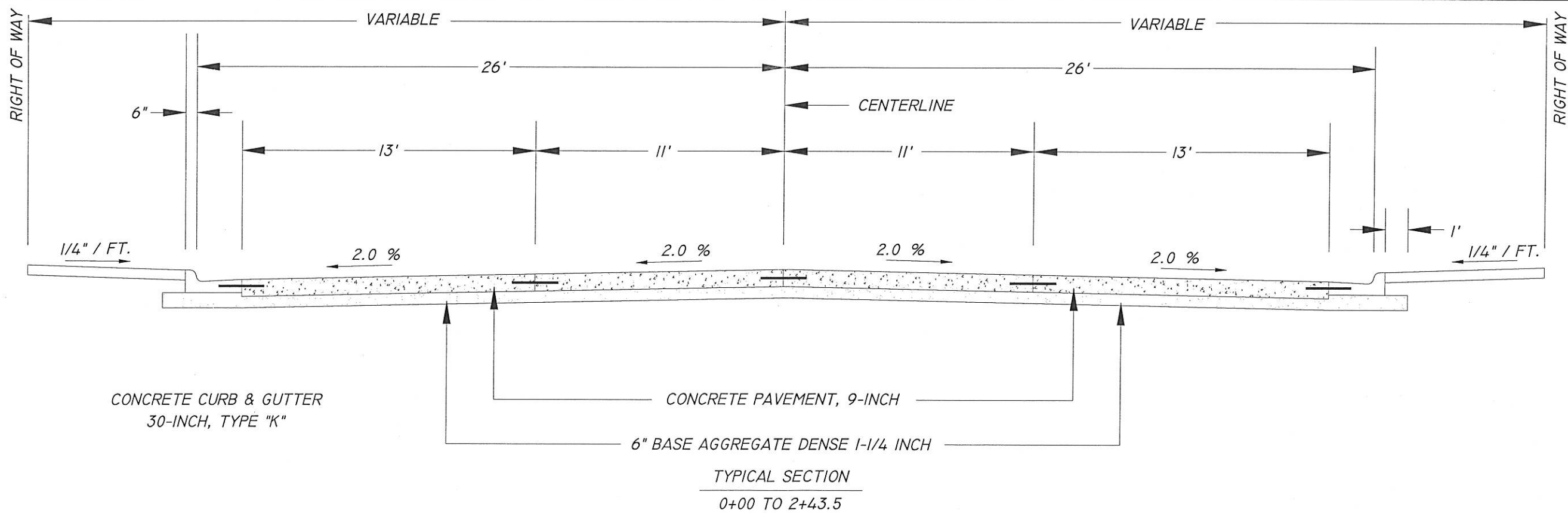
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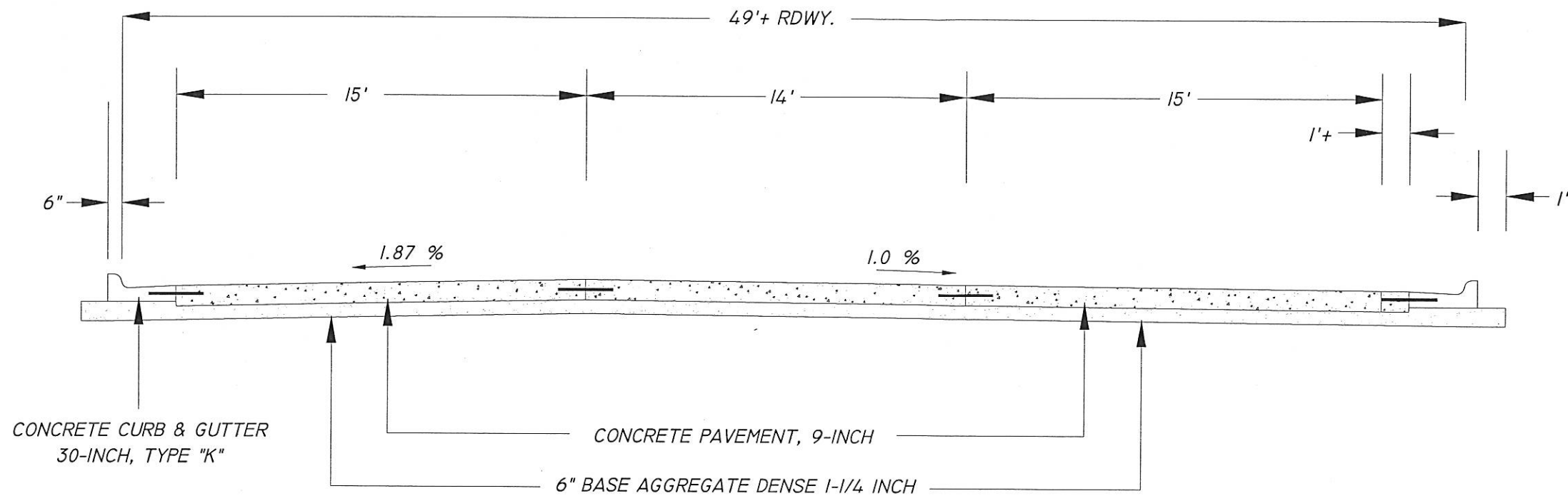
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LEVELS ON 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63

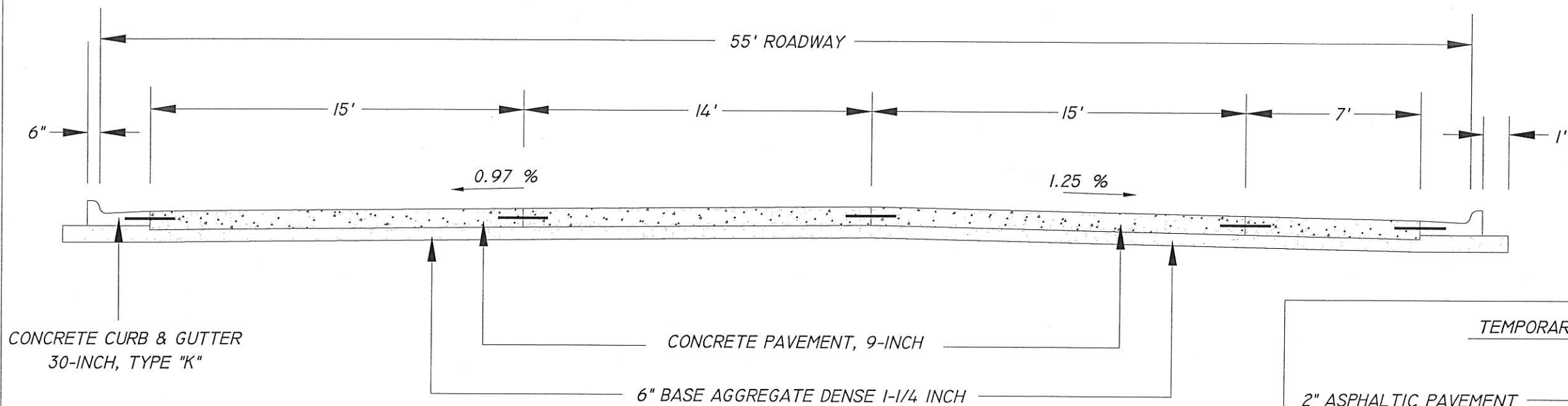


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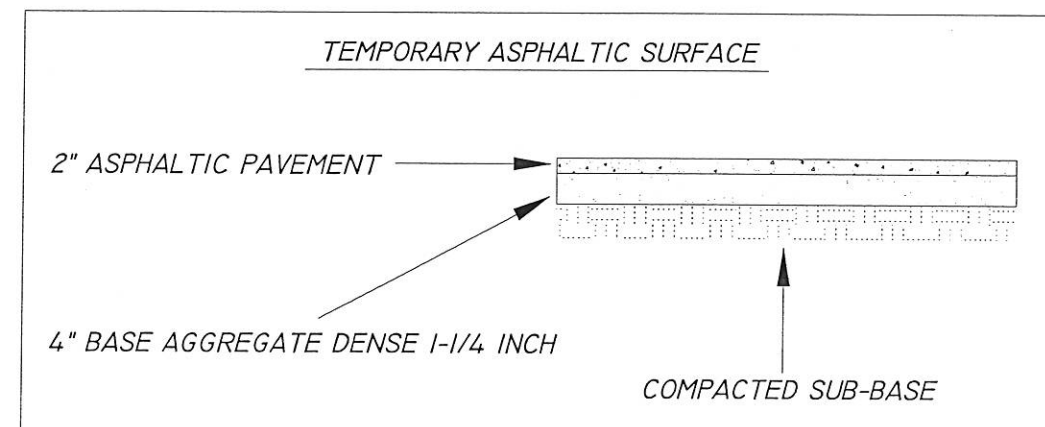


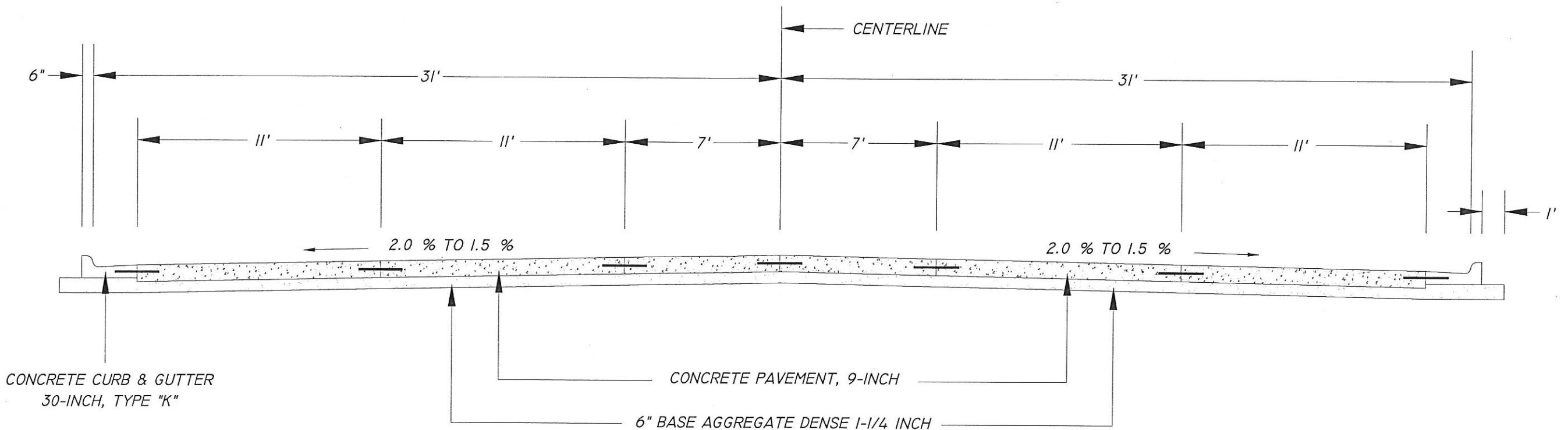


WARD AVENUE SECTION
WEST END



WARD AVENUE SECTION
EAST END



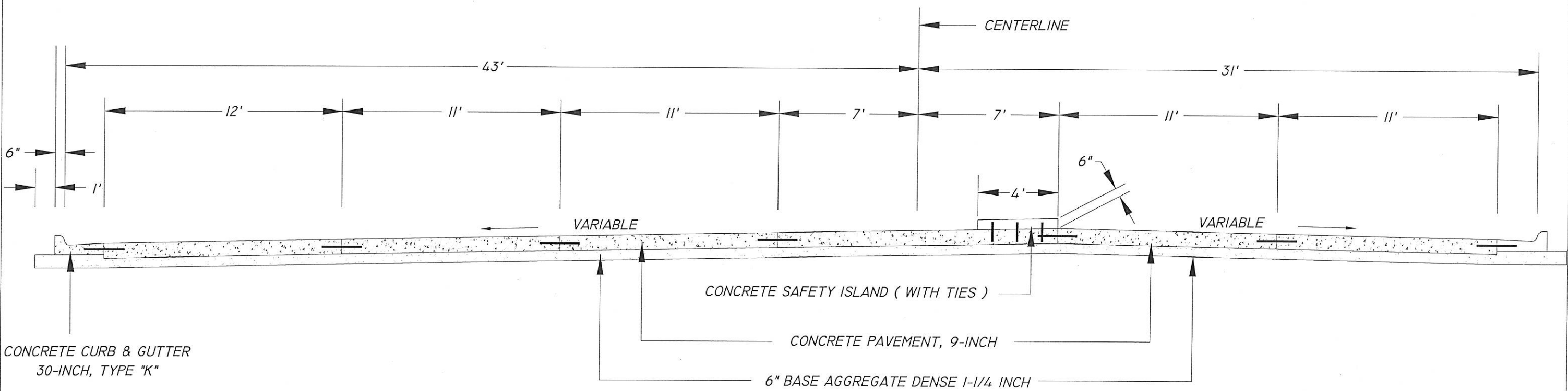


CONCRETE CURB & GUTTER
30-INCH, TYPE "K"

CONCRETE PAVEMENT, 9-INCH

6" BASE AGGREGATE DENSE 1-1/4 INCH

TYPICAL SECTION
7+41.8 TO 7+81.5



CONCRETE CURB & GUTTER
30-INCH, TYPE "K"

CONCRETE SAFETY ISLAND (WITH TIES)

CONCRETE PAVEMENT, 9-INCH

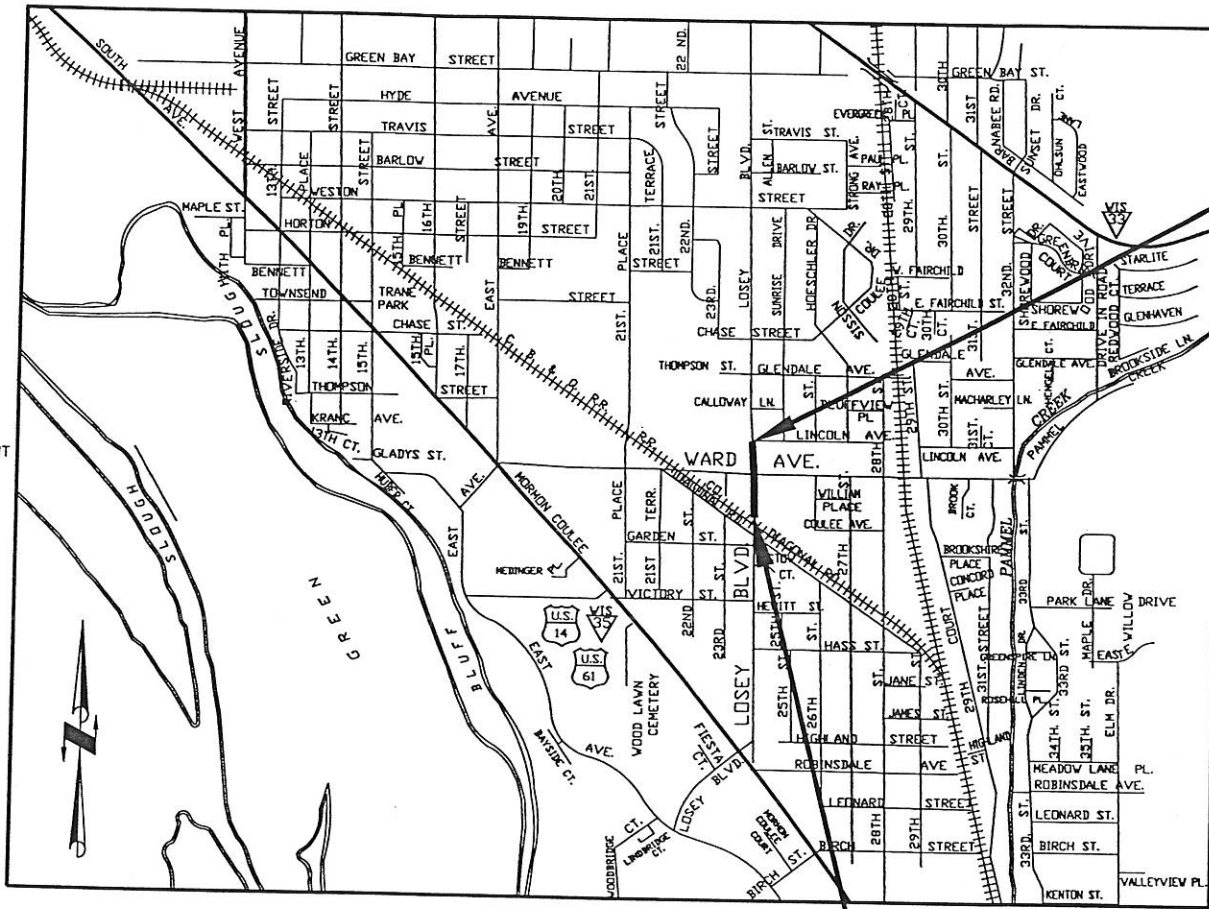
6" BASE AGGREGATE DENSE 1-1/4 INCH

TYPICAL SECTION
5+86.5 TO 6+66.5

CONVENTIONAL SIGNS AND ABBREVIATIONS

STATE LINE COUNTY LINE TOWNSHIP AND RANGE LINES SECTION LINE QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W LINE PROPERTY LINE CORPORATE LIMITS LOT, TIE AND OTHER MINOR LINES SLOPE INTERCEPTS UNDERGROUND FACILITY (GAS, TELEPHONE, ELECTRIC, ETC.) FENCE FEE TEMPORARY INTEREST (T.I.) TRANSMISSION TOWER AND LINE	SECTION CORNER BRIDGE STREAM OR RIVER LAKE CULVERT (BOX, PIPE OR CATTLE PASS) RAIL LINE POWER POLE TELEPHONE POLE SIGN NO ACCESS (BY ACQUISITION) NO ACCESS (BY STATUTORY AUTHORITY) NO ACCESS (BY PREVIOUS PROJECT)	FOUNDATION OR RUIN BUILDING CEMETERY GAS MARKER OR TELEPHONE PEDESTAL IRON PIN R/W MONUMENT VALVE WINDMILL SILO, MANHOLE, VENT, SEPTIC VENT, WELL, ETC. GAS PUMPS BUSHES TREES (DECIDUOUS) (CONIFEROUS) WOODS COMPENSABLE NON-COMPENSABLE NO ACCESS (BY ACQUISITION) NO ACCESS (BY STATUTORY AUTHORITY) NO ACCESS (BY PREVIOUS PROJECT)	FDM TYPE T.P. (TYPED) IP GAS (TYPED) MH (TYPED) G.P. (TYPED) CS (SMALL SCALE) CL (LARGE SCALE) NO ACCESS (BY ACQUISITION) NO ACCESS (BY STATUTORY AUTHORITY) NO ACCESS (BY PREVIOUS PROJECT)
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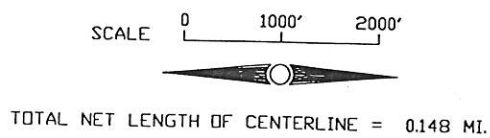
A.R. ACCESS RIGHTS AC. ACRES A.P. ACCESS POINT AH. AHEAD BK. BACK B. BARN C. CENTERLINE C.T.H. COUNTY TRUNK HIGHWAY D. DEGREES E.B. EAST BOUND G. GARAGE G.N. GRID NORTH AGRI. AGRICULTURAL	H. HOUSE I.P. IRON PIN I.H. INTERSTATE HIGHWAY L. LENGTH OF CURVE LC. LONG CHORD LCB. LONG CHORD BEARING MON. MONUMENT P.C. POINT OF CURVATURE P.I. POINT OF INTERSECTION P.T. POINT OF TANGENCY	P.L. PROPERTY LINE P.L.E. PERMANENT LIMITED EASEMENT R. RADIUS R. REFERENCE LINE R/W. RIGHT OF WAY SEC. SECTION S. SHED S.T.H. STATE TRUNK HIGHWAY STA. STATION T.I. TEMPORARY INTEREST U.S.H. UNITED STATES HIGHWAY
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BEGIN RELOCATION ORDER
N 11°08'11" W 302.81'
FROM NORTH 1/4 CORNER SECTION 16
T 15N, R 7 W.

END RELOCATION ORDER
S 1°22'21" W 480.91'
FROM NORTH 1/4 CORNER SECTION 16
T 15N, R 7 W.

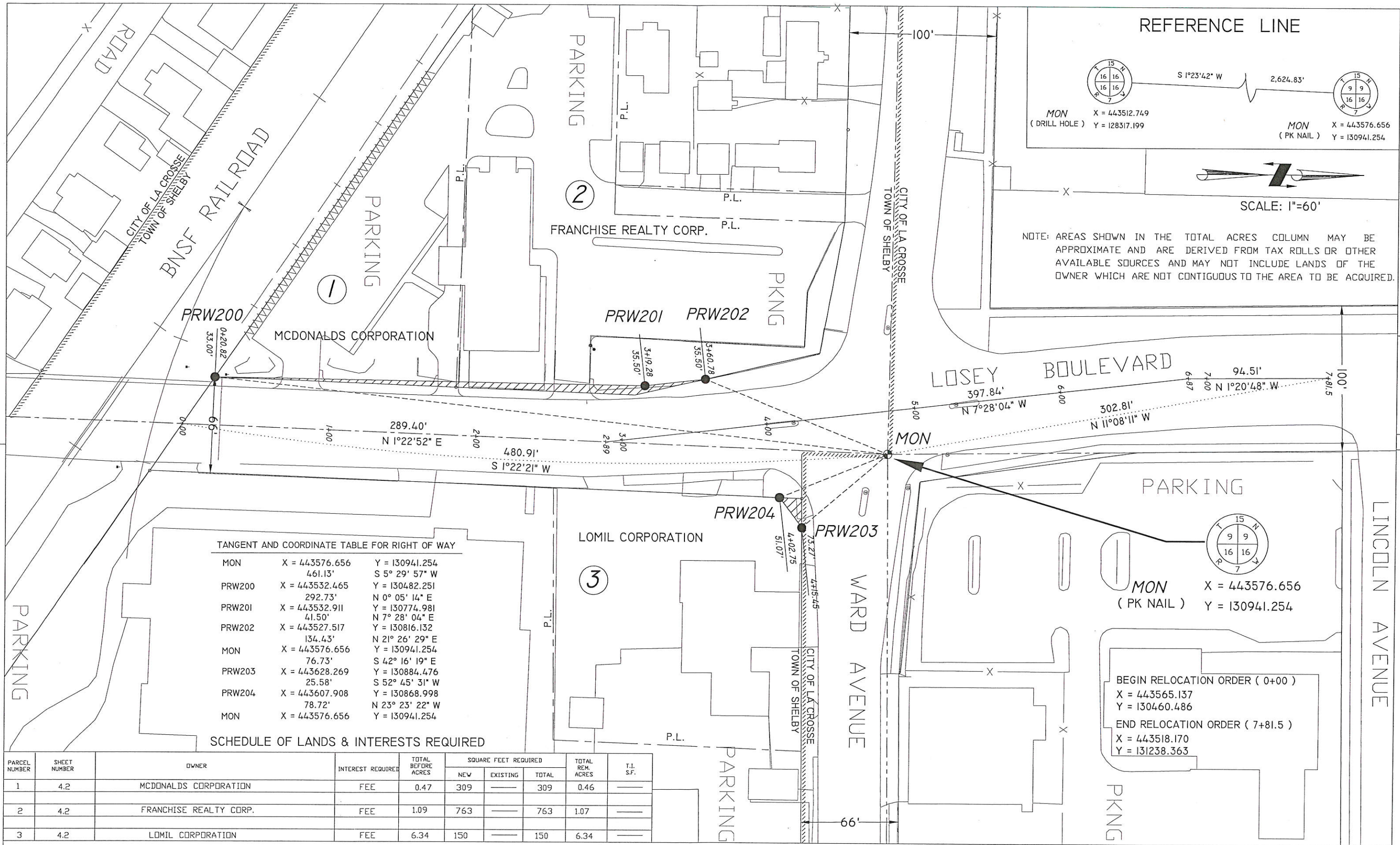
NOTES:
COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LA CROSSE COUNTY.



R/W PROJECT NUMBER	5991-07-08	SHEET NUMBER	4.1	TOTAL SHEETS	2
FEDERAL PROJECT NUMBER					
PLAT OF RIGHT OF WAY REQUIRED FOR INTERSECTION OF LOSEY BOULEVARD AND WARD AVENUE.					
CITY OF LA CROSSE			LA CROSSE COUNTY		

ACCEPTED FOR
CITY OF LA CROSSE, WISCONSIN
PROFESSIONAL ENGINEER
1/5/04
(Date)
FOR ANDY J. TURTENWALD
LA CROSSE, WIS
(Signature & Title of Official)

REVISED RELOCATION ORDER DATE	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED BY DISTRICT OFFICE:	N/A
DATE:	N/A

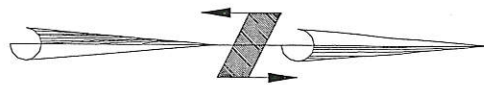


TANGENT AND COORDINATE TABLE FOR RIGHT OF WAY

MON	X = 443576.656	Y = 130941.254
	461.13'	S 5° 29' 57" W
PRW200	X = 443532.465	Y = 130482.251
	292.73'	N 0° 05' 14" E
PRW201	X = 443532.911	Y = 130774.981
	41.50'	N 7° 28' 04" E
PRW202	X = 443527.517	Y = 130816.132
	134.43'	N 21° 26' 29" E
MON	X = 443576.656	Y = 130941.254
	76.73'	S 42° 16' 19" E
PRW203	X = 443628.269	Y = 130884.476
	25.58'	S 52° 45' 31" W
PRW204	X = 443607.908	Y = 130868.998
	78.72'	N 23° 23' 22" W
MON	X = 443576.656	Y = 130941.254

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL BEFORE ACRES	SQUARE FEET REQUIRED			TOTAL REM. ACRES	T.I. S.F.
					NEW	EXISTING	TOTAL		
1	4.2	MCDONALDS CORPORATION	FEE	0.47	309	---	309	0.46	---
2	4.2	FRANCHISE REALTY CORP.	FEE	1.09	763	---	763	1.07	---
3	4.2	LOMIL CORPORATION	FEE	6.34	150	---	150	6.34	---

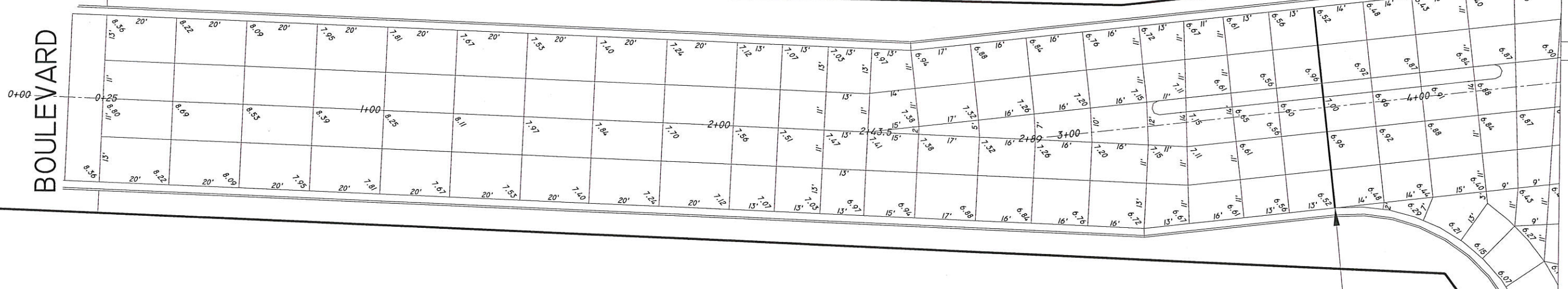


SCALE: 1"=30'

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE REFERENCED TO FLAG LINE OF CURB.

NOTE: ADD 50.00 FEET TO ALL ELEVATIONS

LOSEY BOULEVARD



DOWELED CONSTRUCTION JOINT

STATE PROJECT NUMBER: 5991-07-09

HWY: LOSEY BOULEVARD / WARD AVENUE

COUNTY: LA CROSSE

CONSTRUCTION JOINTS

SHEET NO:

E

FILE NAME : \$\$...designfile...\$\$

PLOT DATE : \$\$...plottingdate...\$\$

PLOT BY : \$\$...plotuser...\$\$

PLOT NAME :

DRG DATE :

Originator :

PLOT SCALE : \$\$...plotscale...\$\$

WISDOT/CADD SHEET 40



SCALE: 1"=30'

NOTE: BENCHMARK
TOP NUT OF HYDRANT
ELEVATION = 59.98

VARIABLE WIDTH SIDEWALK

LOSEY
BOULEVARD

DOWELED CONSTRUCTION JOINT
DRILL DOWELS INTO EXISTING PAVEMENT

DOWELED CONSTRUCTION JOINT

NOTE: ADD 50.00 FEET TO ALL ELEVATIONS

NOTE: ALL DIMENSIONS AND ELEVATIONS
ARE REFERENCED TO FLAG LINE OF CURB.

WARD
AVENUE

STATE PROJECT NUMBER: 5991-07-09

HWY: LOSEY BOULEVARD / WARD AVENUE

COUNTY: LA CROSSE

CONSTRUCTION JOINTS

SHEET NO:

E

FILE NAME : \$\$...designfile...\$\$

PLOT DATE : \$\$...plottingdate...\$\$

PLOT BY : \$\$...plotuser...\$\$

PLOT NAME :

DRG DATE :

Originator :

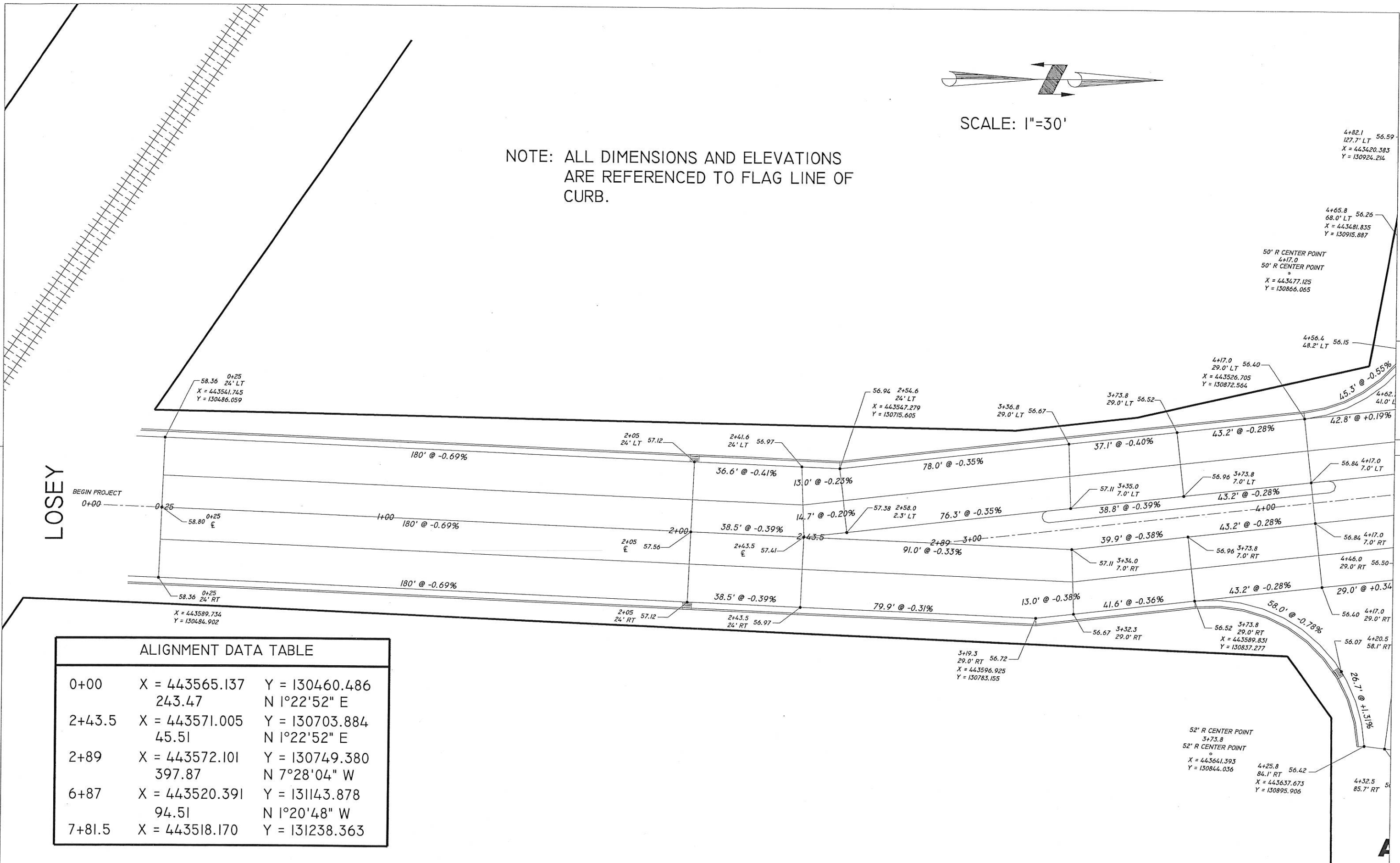
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WISDOT/CADD SHEET 40



SCALE: 1"=30'

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE REFERENCED TO FLAG LINE OF CURB.



LOSEY

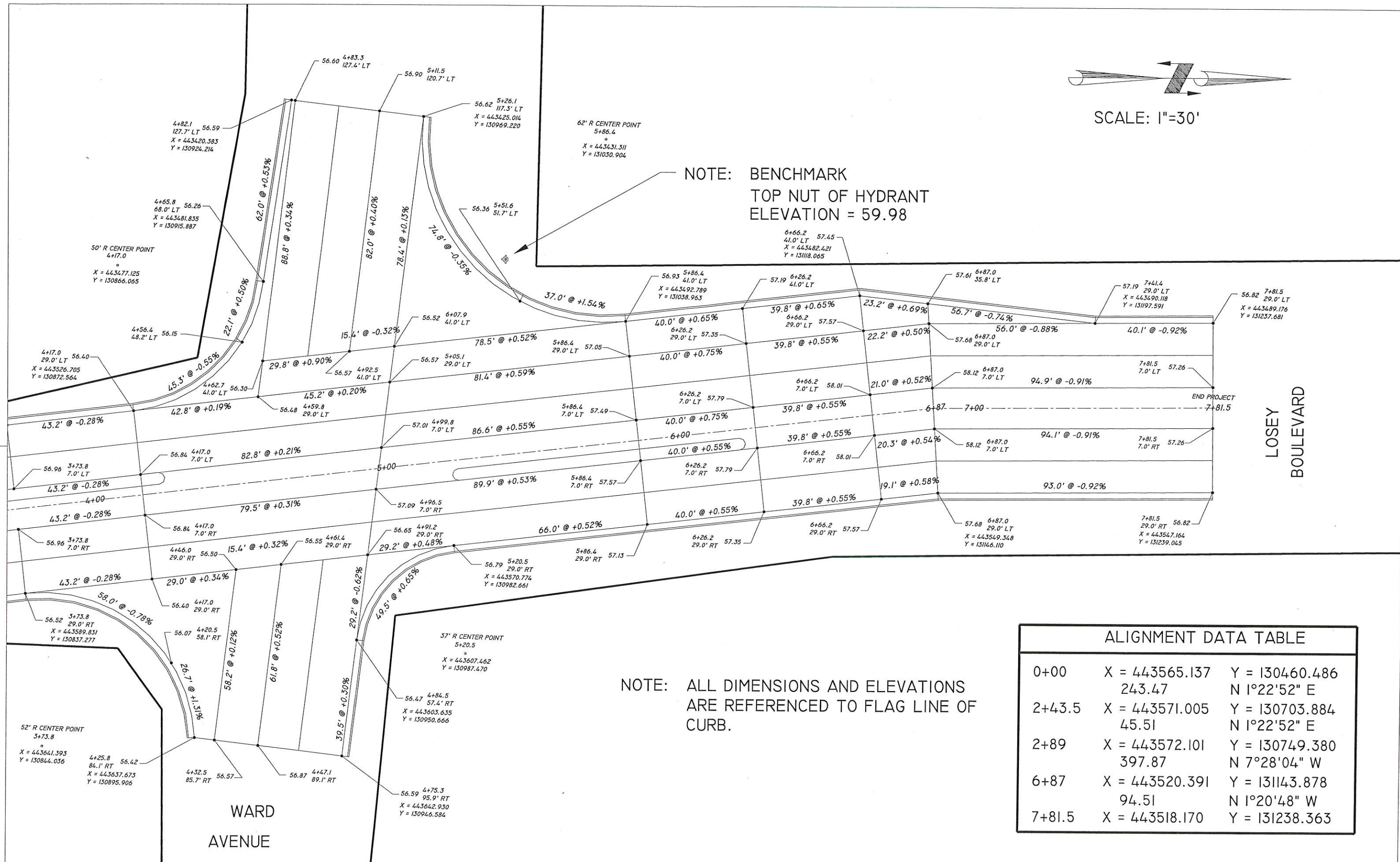
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2+43.5	X = 443571.005 45.51	Y = 130703.884 N 1°22'52" E
2+89	X = 443572.101 397.87	Y = 130749.380 N 7°28'04" W
6+87	X = 443520.391 94.51	Y = 131143.878 N 1°20'48" W
7+81.5	X = 443518.170	Y = 131238.363



SCALE: 1"=30'

NOTE: BENCHMARK
TOP NUT OF HYDRANT
ELEVATION = 59.98



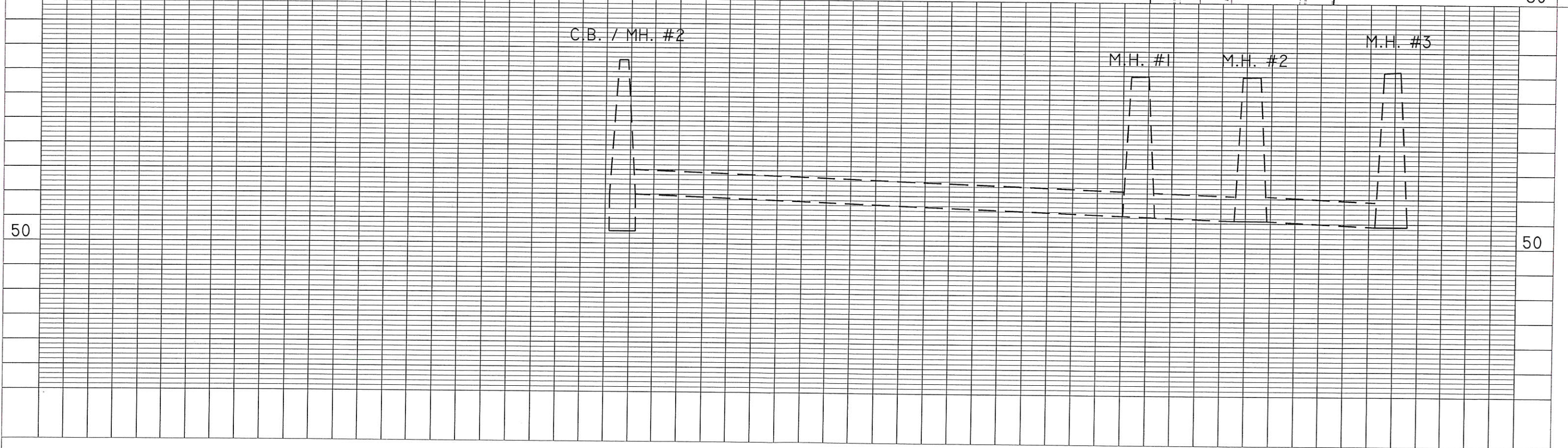
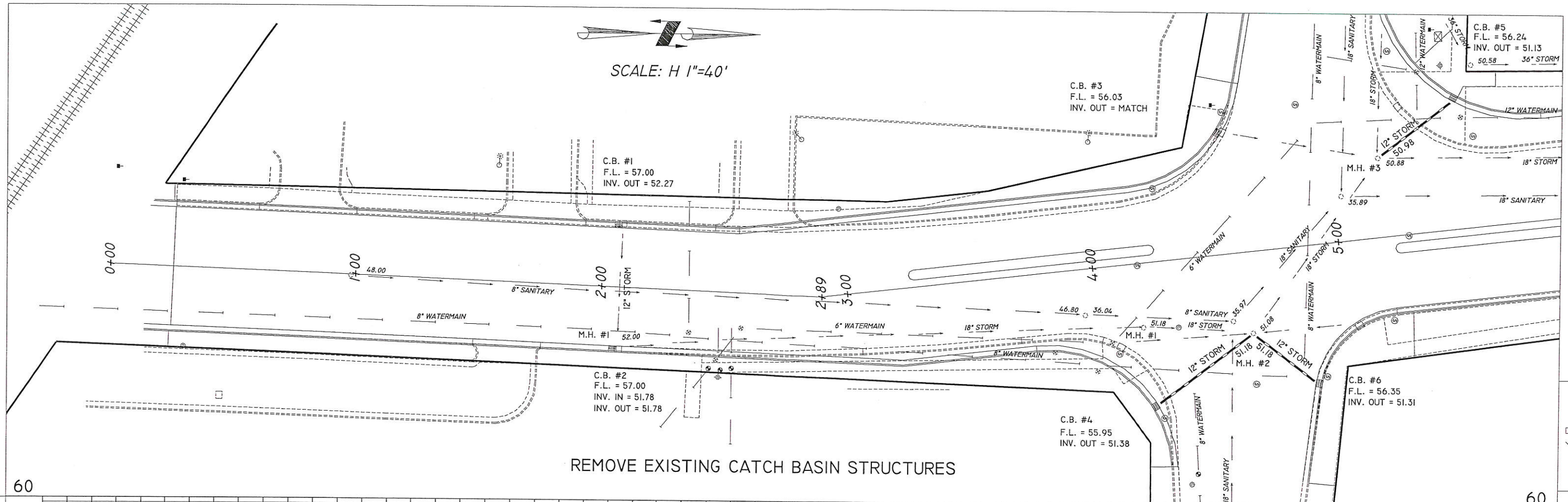
NOTE: ALL DIMENSIONS AND ELEVATIONS
ARE REFERENCED TO FLAG LINE OF
CURB.

ALIGNMENT DATA TABLE

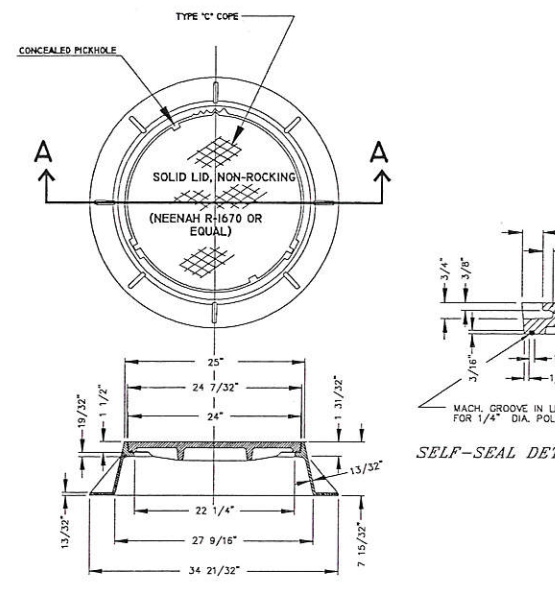
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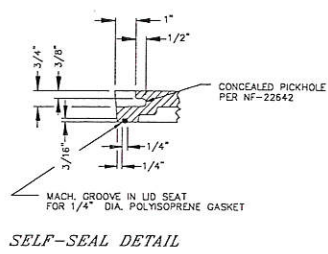
SCALE: H 1"=40'



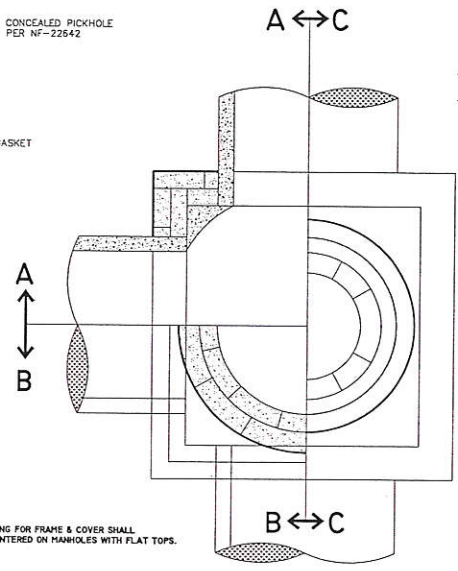
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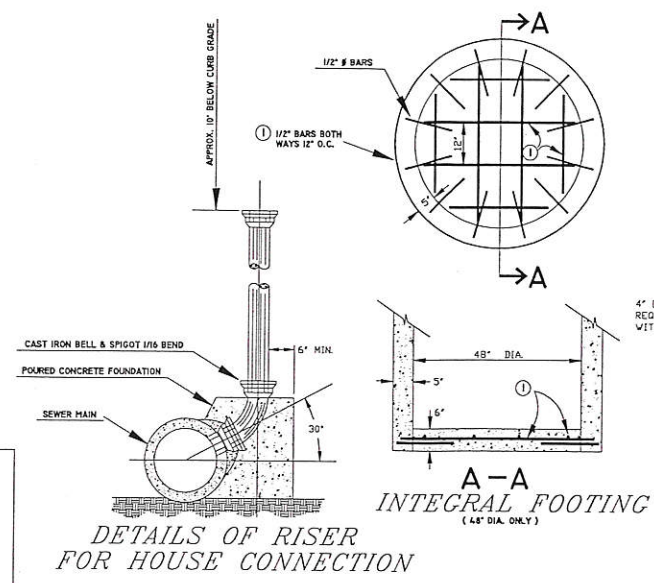
DETAIL OF MANHOLE FRAME & COVER (MINIMUM WEIGHT 324 LBS. TOTAL) NEENAH R-1670 OR EQUAL



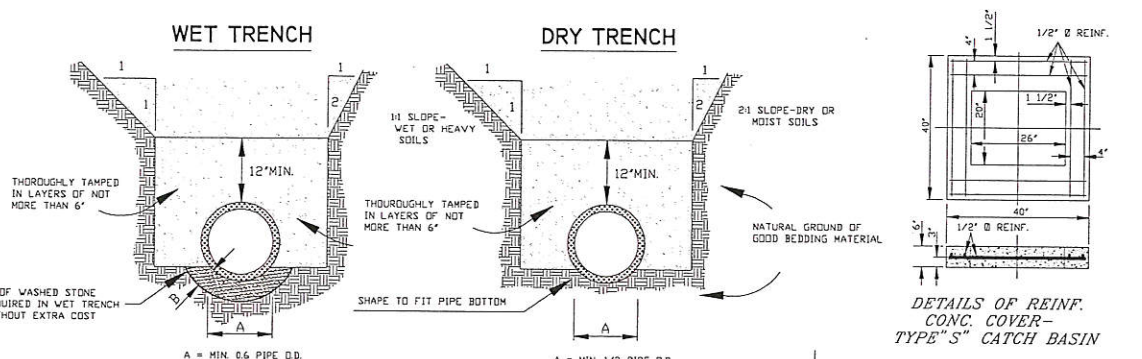
SELF-SEAL DETAIL



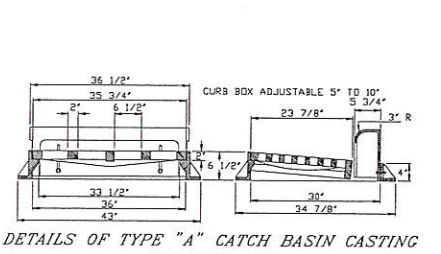
SEWER PIPE JOINT MATERIALS CONCRETE PIPE-RUBBER GASKET (ASTM C-443) PVC PIPE-ELASTOMETRIC GASKET (ASTM D-5212 & F-477)



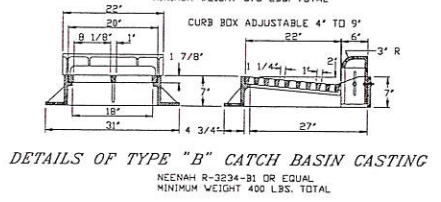
DETAILS OF RISER FOR HOUSE CONNECTION



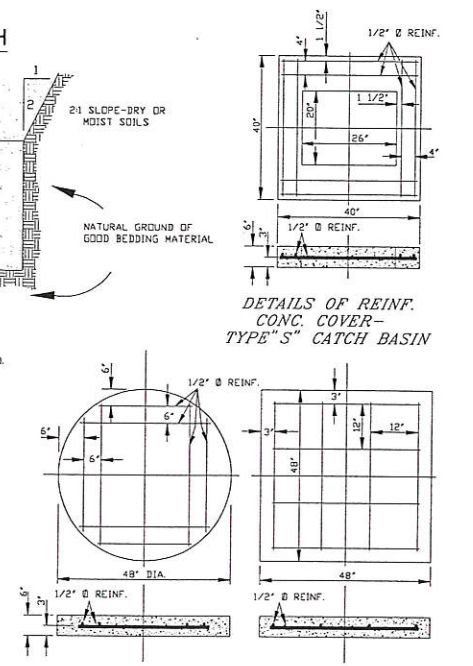
DETAILS OF SEWER TRENCHES



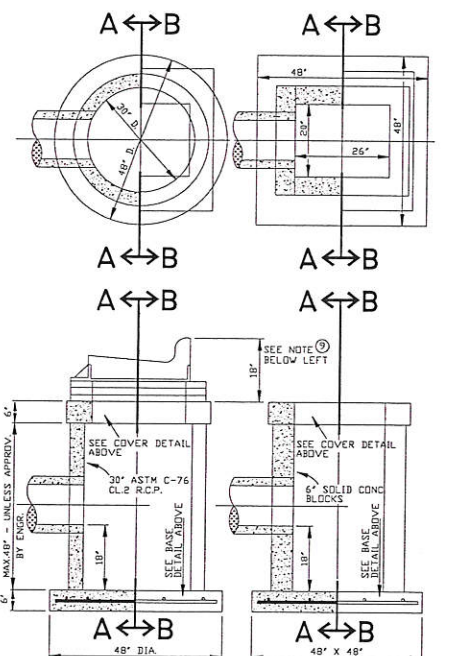
DETAILS OF TYPE "A" CATCH BASIN CASTING



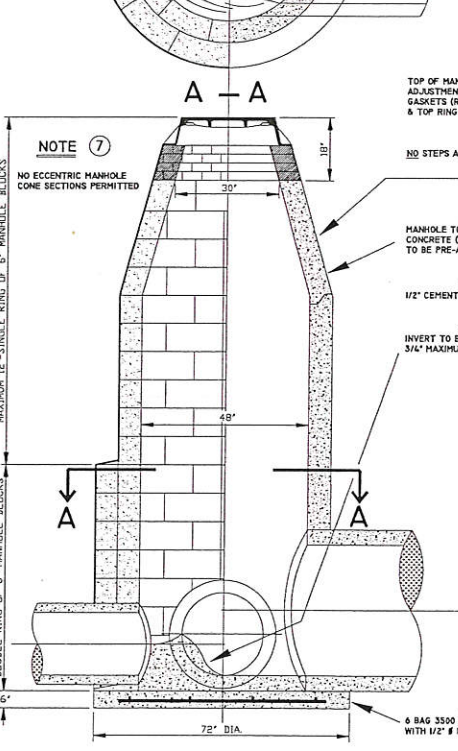
DETAILS OF TYPE "B" CATCH BASIN CASTING



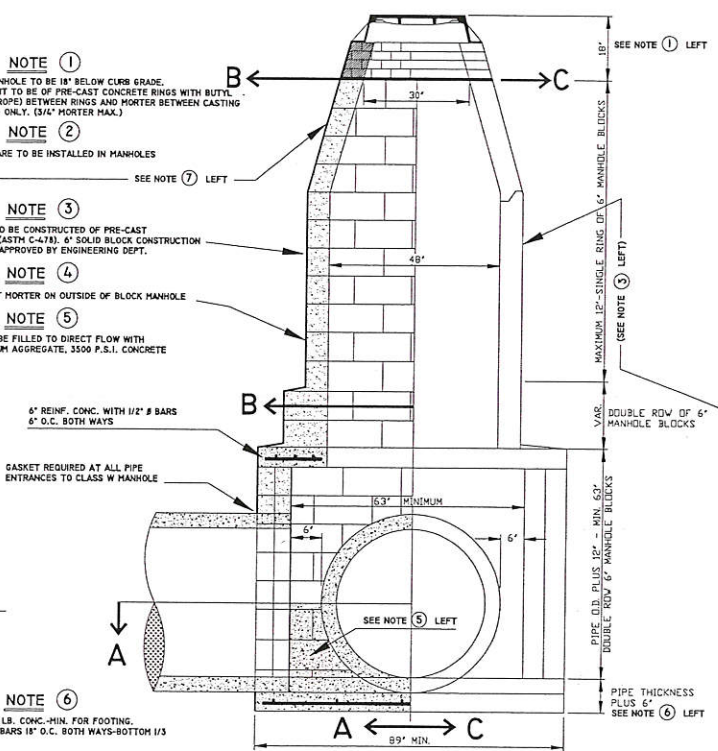
DETAILS OF REINF. CONC. BASES FOR TYPE "S" CATCH BASIN



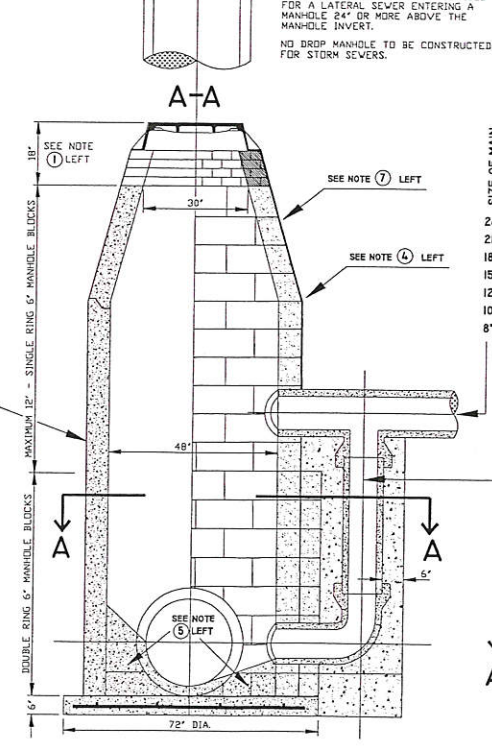
DETAILS OF TYPE "S" CATCH BASIN



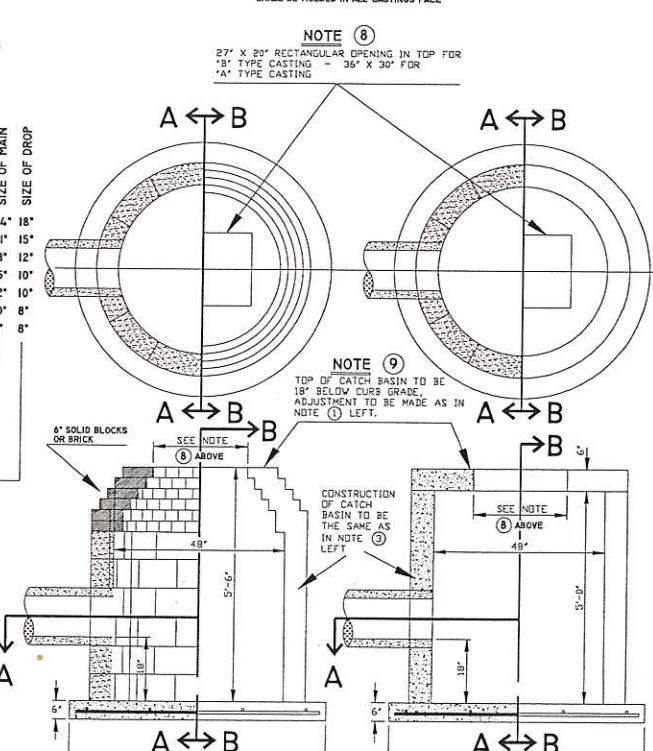
DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER



DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER



DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER



DETAILS OF TYPE "A" OR "B" CATCH BASIN

NOTE: OPENING FOR FRAME & COVER SHALL BE CENTERED ON MANHOLES WITH FLAT TOPS.

NOTE: A DROP MANHOLE SHALL BE PROVIDED FOR A LATERAL SEWER ENTERING A MANHOLE 24" OR MORE ABOVE THE MANHOLE INVERT.

NOTE: *DUMP NO WASTE DRAINS TO RIVER* SHALL BE HOLDEN IN ALL CASTINGS FACE

NOTE: 27" X 20" RECTANGULAR OPENING IN TOP FOR "B" TYPE CASTING - 36" X 30" FOR "A" TYPE CASTING

NOTE: TOP OF MANHOLE TO BE 18" BELOW CURB GRADE. ADJUSTMENT TO BE OF PRE-CAST CONCRETE RINGS WITH BUTYL GASKETS (ROPE) BETWEEN RINGS AND MORTAR BETWEEN CASTING & TOP RING ONLY. (3/4" PORTER MAX.)

NOTE: NO STEPS ARE TO BE INSTALLED IN MANHOLES

NOTE: MANHOLE TO BE CONSTRUCTED OF PRE-CAST CONCRETE (ASTM C-478). 6" SOLID BLOCK CONSTRUCTION TO BE PRE-APPROVED BY ENGINEERING DEPT.

NOTE: 1/2" CEMENT MORTAR ON OUTSIDE OF BLOCK MANHOLE

NOTE: INVERT TO BE FILLED TO DIRECT FLOW WITH 3/4" MAXIMUM AGGREGATE, 3500 P.S.I. CONCRETE

NOTE: 6" REINF. CONC. WITH 1/2" #8 BARS 6" O.C. BOTH WAYS

NOTE: GASKET REQUIRED AT ALL PIPE ENTRANCES TO CLASS W MANHOLE

NOTE: 8" BAG 3500 LB. CONC. MIN. FOR FOOTING. WITH 1/2" #8 BARS 18" O.C. BOTH WAYS-BOTTOM 1/3

LEVELS: 0N1=2.3, 4.5, 6.7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

STORM SEWER PIPE REINFORCED CONCRETE
CLASS III 12-INCH, 608.0212

STATION	TO	STATION	LOCATION	L.F.
4+20		4+62	RIGHT	49
4+62		4+84	RIGHT	34
5+20		5+51	LEFT	40
TOTAL				123

CATCH BASINS TYPE 1, 611.0101

STATION	LOCATION	CATCHBASIN NUMBER	EACH
2+05	RIGHT	2	1
2+05	LEFT	1	1
4+20	RIGHT	4	1
4+56	LEFT	3	1
5+51	LEFT	5	1
4+84	RIGHT	6	1
TOTAL			6

INLET COVERS TYPE A, 611.0600

STATION	LOCATION	CATCHBASIN NUMBER	EACH
2+05	RIGHT	2	1
2+05	LEFT	1	1
4+20	RIGHT	4	1
4+56	LEFT	3	1
5+51	LEFT	5	1
4+84	RIGHT	6	1
TOTAL			6

SALVAGE INLET COVERS, 611.9710

STATION	LOCATION	EACH
2+08	RIGHT	1
2+08	LEFT	1
4+09	RIGHT	1
4+58	LEFT	1
5+05	RIGHT	1
5+29	LEFT	1
TOTAL		6

REMOVING CATCH BASINS, 204.0215

STATION	LOCATION	EACH
2+08	RIGHT	1
2+08	LEFT	1
4+09	RIGHT	1
4+58	LEFT	1
5+05	RIGHT	1
5+29	LEFT	1
TOTAL		6

ADJUSTING MANHOLE COVERS, 611.8110

STATION	LOCATION	TYPE	EACH
0+98	RIGHT	SANITARY	1
3+95	RIGHT	SANITARY	1
4+18	RIGHT	STORM	1
4+55	RIGHT	SANITARY	1
4+62	RIGHT	STORM	1
5+03	LEFT	SANITARY	1
5+19	LEFT	STORM	1
7+01	LEFT	STORM	1
TOTAL			8

INLET PROTECTION TYPE C, 628.7015

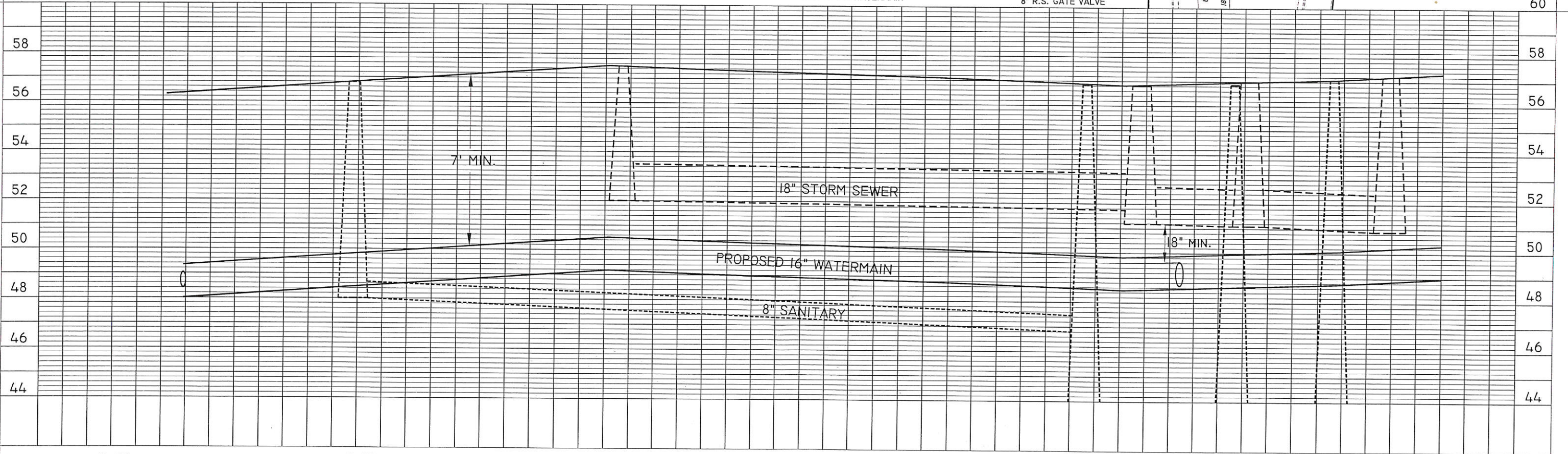
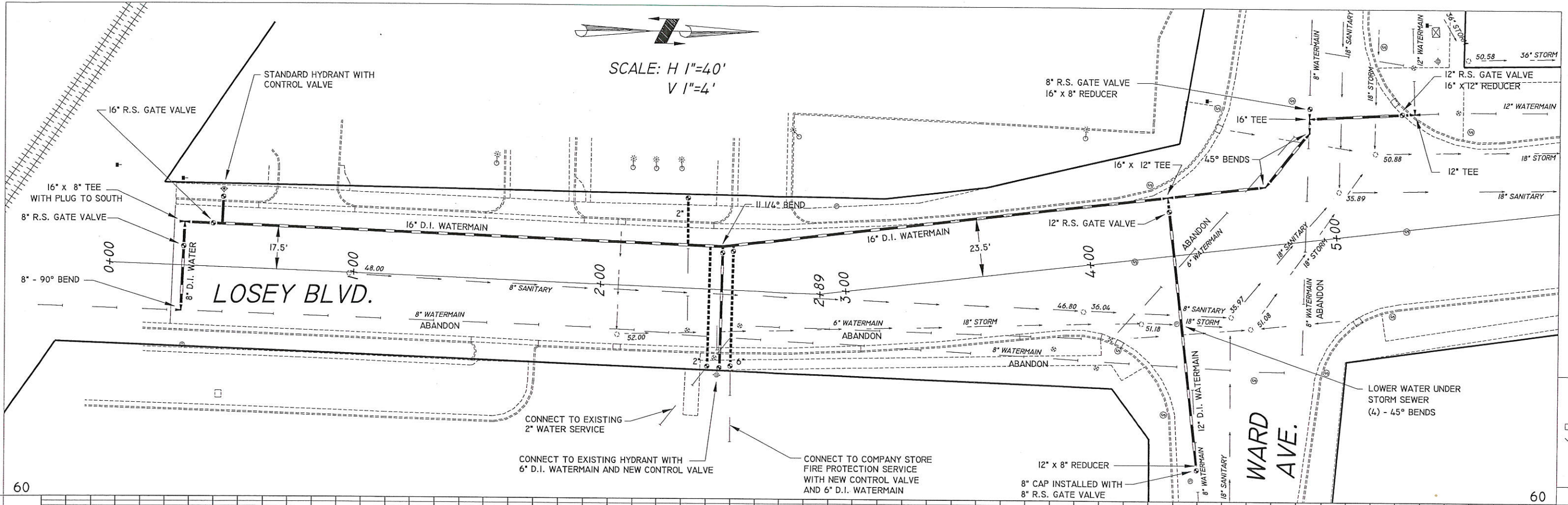
STATION	LOCATION	EACH
2+05	RIGHT	1
2+05	LEFT	1
4+20	RIGHT	1
4+56	LEFT	1
5+51	LEFT	1
4+84	RIGHT	1
TOTAL		6

REMOVING STORM SEWER, 204.0245
ALL SIZES (ASSUMES 12")

STATION	TO	STATION	LOCATION	L.F.
4+09		4+62	RIGHT	54
4+62		5+05	RIGHT	44
4+58		5+19	LEFT	65
5+19		5+29	LEFT	23
TOTAL				186



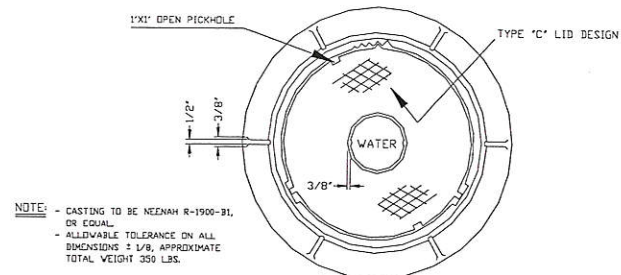
SCALE: H 1"=40'
V 1"=4'



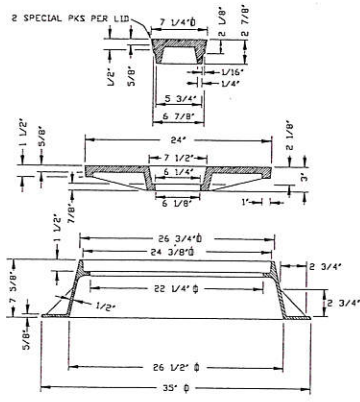
0+00	1+00	2+00	3+00	4+00	5+00
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STATE PROJECT NUMBER: 5991-07-09 HWY: LOSEY BLVD. / WARD AVE. COUNTY: LA CROSSE WATERMAIN SHEET NO: E

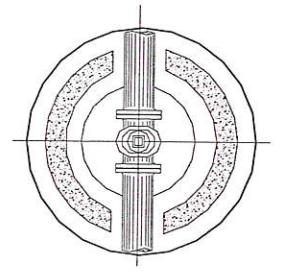
FILE NAME : \\s...designfile... PLOT DATE : \\s...plottingdate... PLOT BY : \\s...plotuser... PLOT NAME : ORG DATE : Originator : PLOT SCALE : \\s...plotscale... WISDOT/CADD SHEET 40



NOTE - CASTING TO BE NEZNAH R-1900-31, OR EQUAL.
- ALLOWABLE TOLERANCE ON ALL DIMENSIONS ± 1/8, APPROXIMATE TOTAL WEIGHT 350 LBS.



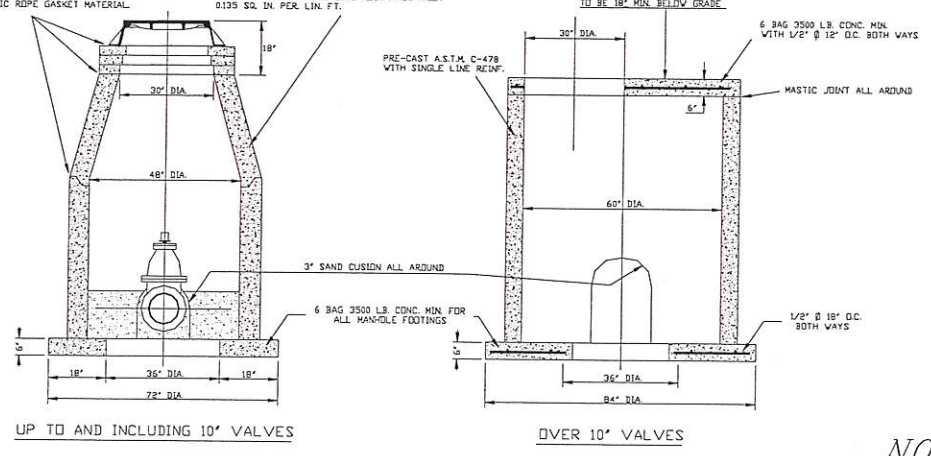
DETAIL OF WATERVALVE MANHOLE FRAME & COVER



SECTION THROUGH M.H. AT C OF MAIN

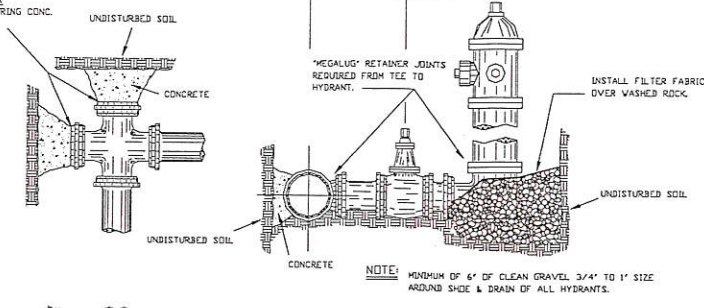
WORTER TO BE USED ONLY BETWEEN TOP ADJUSTMENT RING & CASTING. BETWEEN ADJUSTING RINGS AND ALSO BETWEEN ALL PRECAST SECTIONS USE MASTIC NONGASKET MATERIAL.

6\"/>

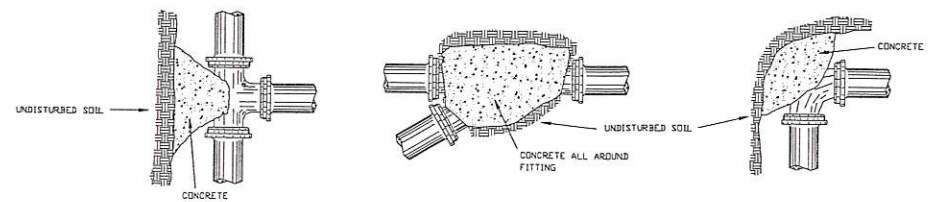


DETAIL OF WATER VALVE MANHOLES

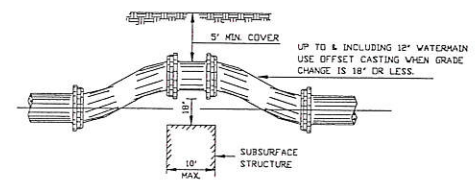
NOTE: EXTERIOR SURFACE OF PLUGS TO BE COATED WITH LIGHT OIL BEFORE INSTALLATION & PRIOR TO POURING CONC. TO PREVENT BONDING.



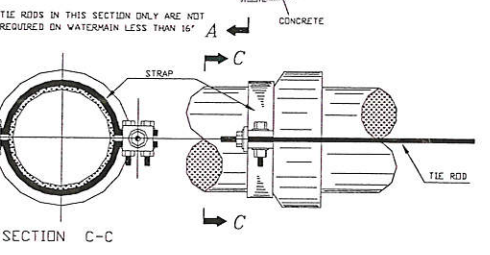
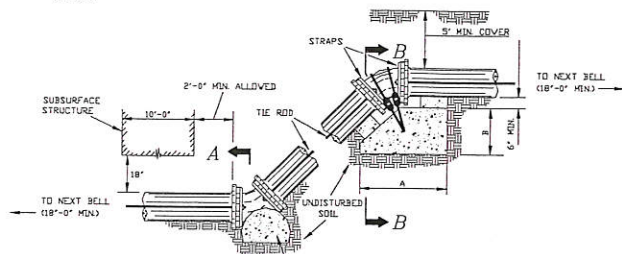
NOTE: MINIMUM OF 6\"/>



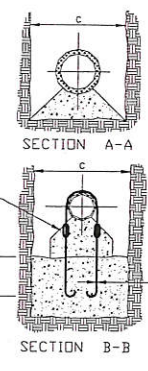
HORIZONTAL THRUST BLOCKING



MINIMUM THRUST BLOCK AREAS IN SQ. FT. OF BEARING AGAINST UNDISTURBED SOIL							
PIPE SIZE	PLUG	90° BEND	60° BEND	45° BEND	30° BEND	22 1/2° BEND	11 1/4° BEND
6	2	2	2	1	1	1	NONE
8	3	3	3	2	2	1	NONE
12	6	8	6	4	3	2	1
14	6	8	6	4	3	2	1
18	10	14	10	7	5	4	2
20	12	17	12	9	6	5	2
24	19	27	17	14	9	8	3



SECTION C-C



SECTION B-B

BEND	SIZE	A	B	C	D
45°	16"	6"	3"	2.5"	1"
	20"	8"	3"	3"	1 1/4"
	24"	8"	6"	3"	1 1/2"
22 1/2°	30"	8"	5"	5"	2"
	16"	6"	2"	2.5"	3/4"
	20"	6"	4"	2.5"	1"
11 1/4°	30"	8"	4"	3"	1 1/4"
	16"	6"	2"	2.5"	3/4"
	20"	6"	2"	2"	3/4"
	24"	6"	2"	2.5"	3/4"
	30"	8"	2"	3"	3/4"

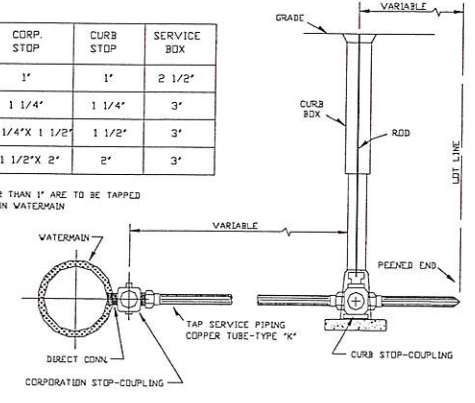
STRAPPING MATERIAL					
PIPE SIZE	TIE RODS NO.	DIA.	STRAPS	BOLT DIA.	WASHERS
8"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
12"	2"	1 1/4"	1/2"x2 1/2"	1"	1/2"x3"x5"
16"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
20"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
24"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
30"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"

NOTE - RODS AND WASHERS TO BE A.S.T.M. A-107 MERCHANT QUALITY 15-25 CARBON. NUTS TO BE AMERICAN STANDARD HEAVY HOT PRESSED. TIE RODS, BOLTS, NUTS, STRAPS AND WASHERS TO BE FURNISHED AND INSTALLED BY CONTRACTOR. ALL STEEL MATERIAL TO BE THOROUGHLY COATED WITH BITUMASTIC EQUAL TO KOPPERS NO. 505. - MINIMUM BEARING BETWEEN PIPE & CONC. THRUST BLOCKS SHALL BE 1/4 CIRCUMFERENCE OF THE PIPE.

THRUST BLOCKS, TIE RODS & STRAPPING FOR VERTICAL OFFSETS
DETAIL OF CONCRETE THRUST BLOCKS-HORIZONTAL & VERTICAL

SERVICE PIPE	CDRP STOP	CURB STOP	SERVICE BOX
1'	1'	1'	2 1/2'
1 1/4'	1 1/4'	1 1/4'	3'
1 1/2'	1 1/4'x 1 1/2'	1 1/2'	3'
2'	1 1/2'x 2'	2'	3'

NOTE: SERVICES SMALLER THAN 1\"/>

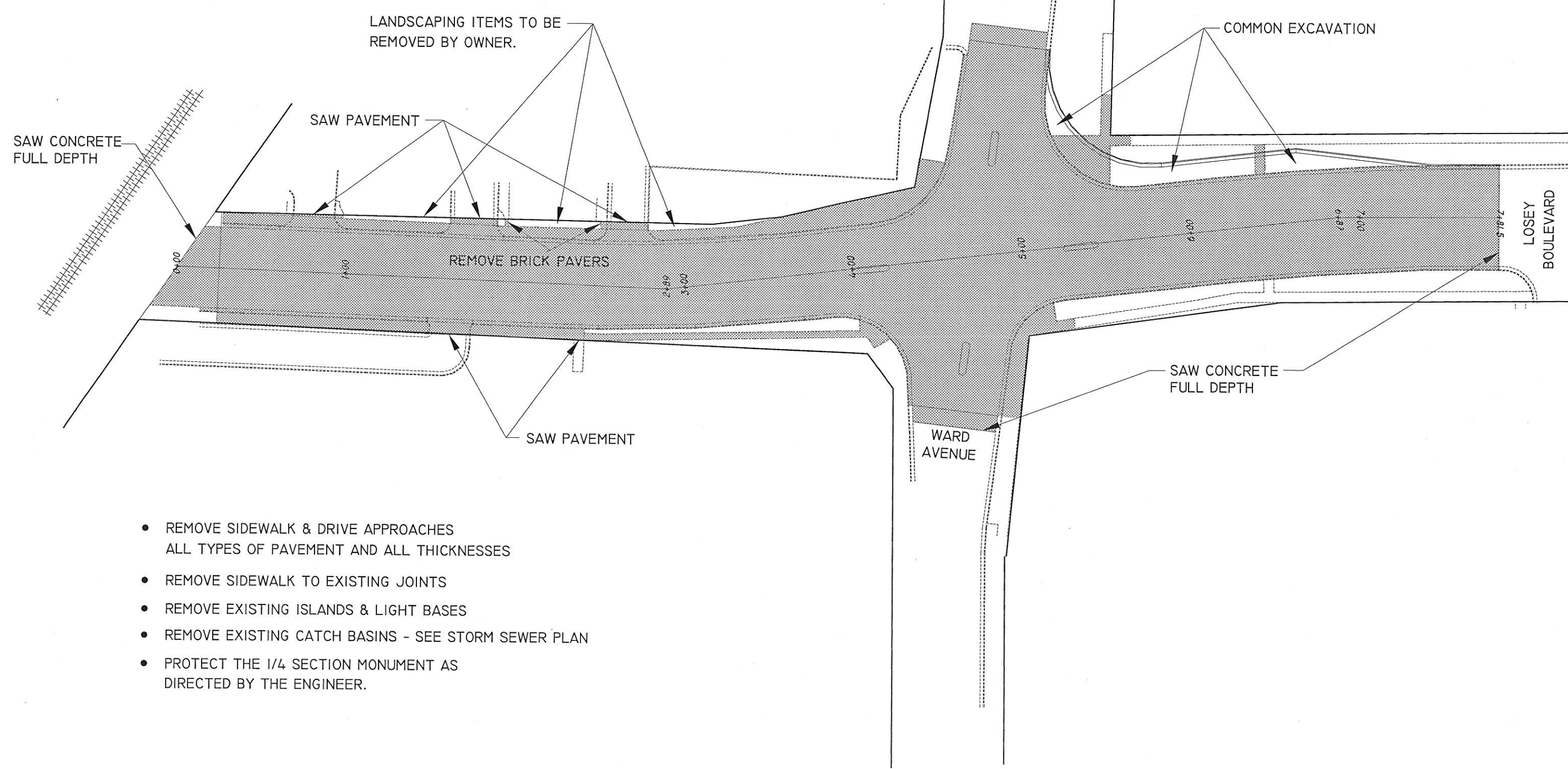


DETAIL OF SERVICE SHUT-OFF

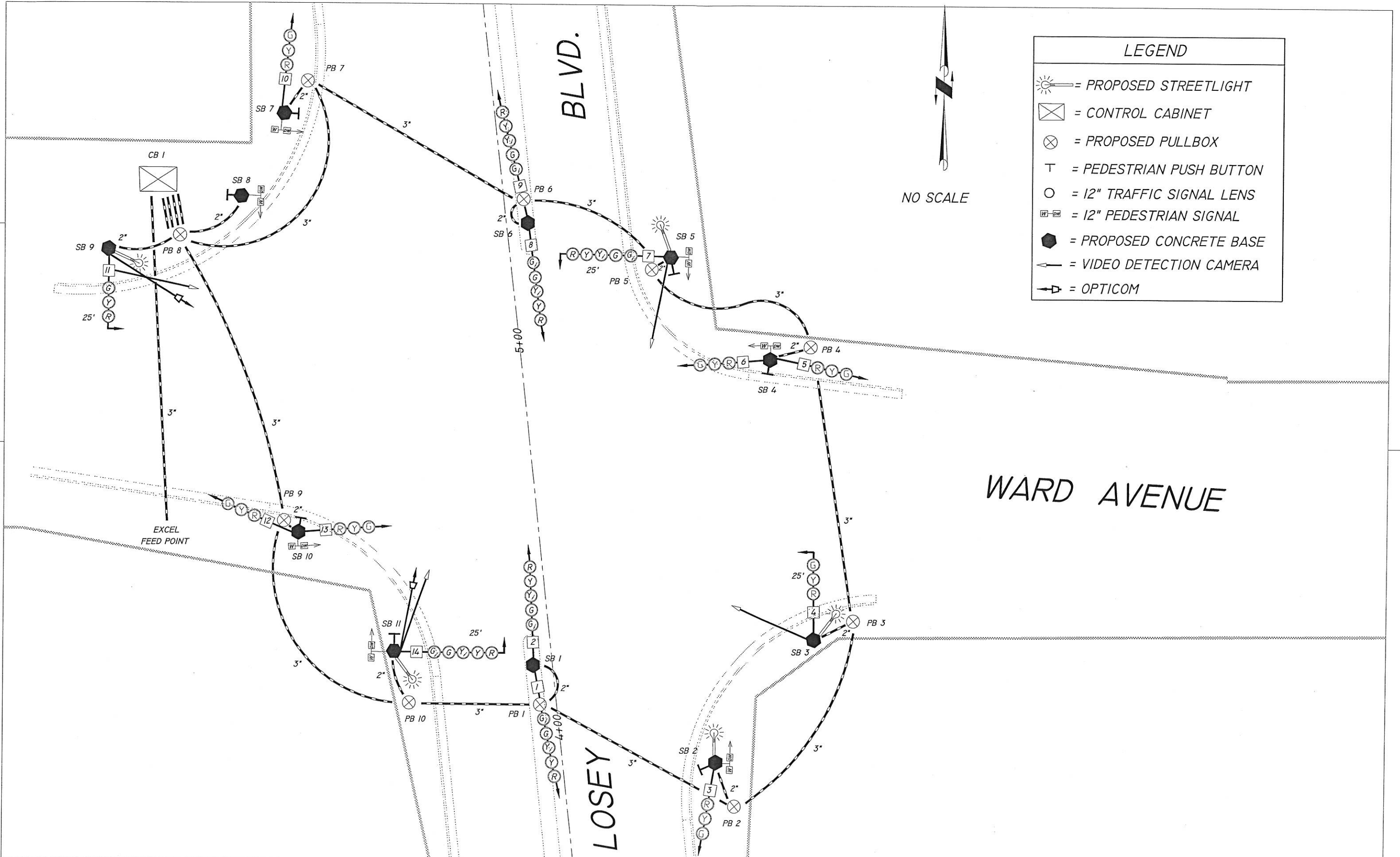
CURB BOX: SEVEN FOOT BOX WITHOUT ROD-MUELLER # H10314, MC DONALD # 5601 OR EQUAL.
54" OR 57" ROD: MUELLER # 8286B, MC DONALD # 5660 OR EQUAL.
LID: MUELLER # 87081, MC DONALD # 5601-L OR EQUAL.

WATERMAIN DETAILS

DRAWING
NOT TO SCALE



- REMOVE SIDEWALK & DRIVE APPROACHES
ALL TYPES OF PAVEMENT AND ALL THICKNESSES
- REMOVE SIDEWALK TO EXISTING JOINTS
- REMOVE EXISTING ISLANDS & LIGHT BASES
- REMOVE EXISTING CATCH BASINS - SEE STORM SEWER PLAN
- PROTECT THE 1/4 SECTION MONUMENT AS
DIRECTED BY THE ENGINEER.



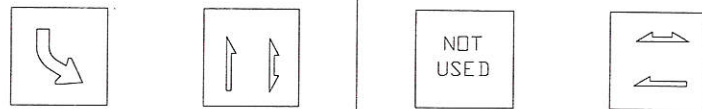
LEGEND

- = PROPOSED STREETLIGHT
- = CONTROL CABINET
- = PROPOSED PULLBOX
- = PEDESTRIAN PUSH BUTTON
- = 12" TRAFFIC SIGNAL LENS
- = 12" PEDESTRIAN SIGNAL
- = PROPOSED CONCRETE BASE
- = VIDEO DETECTION CAMERA
- = OPTICOM



SEQUENCE OF OPERATION

VIDEO DETECTOR LOGIC



RING 1	HEAD NUMBERS	01				02			
		R/W	**			R/W	**		
01	2, 9, 14	G	Y	R		R	R	R	
02	1, 3, 7, 8	R	R	R		G	Y	R	
03									
04	5, 11, 13	R	R	R		R	R	R	
05	1, 7, 8	R	R	R		R	R	R	
06	2, 9, 10, 14	R	R	R		R	R	R	
07									
08	4, 6, 12	R	R	R		R	R	R	
02PED	E-XWALK	D	D	D		*	D	D	
04PED	W-XWALK	D	D	D		D	D	D	
06PED	W-XWALK	D	D	D		D	D	D	
08PED	S-XWALK	D	D	D		D	D	D	

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
1	1	X			1	1		NO	NO	N/A	N/A
2A	2	X			2	2		NO	NO		
2B	3	X			2	2		NO	NO		
4A	4	X			4	4		YES	NO		
4B	5	X			4	4		YES	NO		
4C	6			X		4			YES		
5	7	X			5	5		NO	NO		
6A	8	X			6	6		NO	NO		
6B	9	X			6	6		NO	NO		
8A	10	X			8	8		YES	NO		
8B	11	X			8	8		YES	NO		
8C	12			X		8			YES		

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / B	PHASE RECALL
1			
2	YES	06	MIN.
3			
4	NO	08	NO
5			
6	YES	02	MIN.
7			
8	NO	04	NO



RING 2	HEAD NUMBERS	05				06			
		R/W	**			R/W	**		
01	2, 9, 14	R	R	R		R	R	R	
02	1, 3, 7, 8	R	R	R		R	R	R	
03									
04	5, 11, 13	R	R	R		R	R	R	
05	1, 7, 8	G	Y	R		R	R	R	
06	2, 9, 10, 14	R	R	R		G	Y	R	
07									
08	4, 6, 12	R	R	R		R	R	R	
02PED	E-XWALK	D	D	D		D	D	D	
04PED	W-XWALK	D	D	D		D	D	D	
06PED	W-XWALK	D	D	D		*	D	D	
08PED	S-XWALK	D	D	D		D	D	D	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP	
HARDWIRE	
tone (FREQ)	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE *	X

TYPE OF LIGHTING	
NONE	
IN TRAFFIC CONTROL CABINET	X
IN SEPARATE CONTROL CABINET	

OVERLAPS

O.L. 'A' =	
O.L. 'B' =	
O.L. 'C' =	
O.L. 'D' =	

BARRIER

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)
 * WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK.

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5 - 6	2 - 4 - 8
02	5 - 6	4 - 8
03	NOT USED	-
04	8	1 - 2 - 5 - 6
05	1 - 2	4 - 6 - 8
06	1 - 2	4 - 5 - 8
07	NOT USED	-
08	4	1 - 2 - 5 - 6



GENERAL NOTES:

- ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
- IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

SIGNAL POLES, LUMINAIRE, POLES, MAST ARMS, BASES

DESCRIPTION	POLES TYPE 3 SPV.0060.23 EACH	STANDARDS 13 FT. 657.0420 EACH	STANDARDS 15 FT. 657.0425 EACH	TROMBONE ARMS 25 FT. SPV.0060.22 EACH	LUMINAIRE ARMS 6 FT. 657.0610 EACH	LUMINAIRES 150 WATT 659.0115 EACH
SB 1			1			
SB 2		1				
SB 3	1			1	1	1
SB 4		1				
SB 5	1			1	1	1
SB 6			1			
SB 7		1				
SB 8		1				
SB 9	1			1	1	1
SB 10		1				
SB 11	1			1	1	1
TOTALS:	4	5	2	4	4	4

CONCRETE BASES

STATION	LOCATION	DESCRIPTION	TYPE 1 654.0101 EACH	TYPE 2 654.0102 EACH	CABINET BASE TYPE 9, SPECIAL 654.0217 EACH
5+52	LT	CB 1			1
4+17	LT	SB 1	1		
3+87	RT	SB 2	1		
4+16	RT	SB 3		1	
4+89	RT	SB 4	1		
5+18	RT	SB 5		1	
5+30	RT	SB 6	1		
5+65	LT	SB 7	1		
5+45	LT	SB 8	1		
5+36	LT	SB 9		1	
4+58	LT	SB 10	1		
4+25	LT	SB 11		1	
TOTALS:			7	4	1

TRAFFIC SIGNAL HEADS

STATION	LOCATION	DESCRIPTION	3-12" VERT 658.0110 EACH	5-12" VERT 658.0120 EACH	3-12" HORZ 658.0155 EACH	5-12" HORZ 658.0165 EACH
4+17	LT	SB 1				
3+87	RT	SB 2	1	2		
4+16	RT	SB 3			1	
4+89	RT	SB 4	2			
5+18	RT	SB 5				1
5+30	RT	SB 6		2		
5+65	LT	SB 7	1			
5+36	LT	SB 9			1	
4+58	LT	SB 10	2			
4+25	LT	SB 11				1
TOTALS:			6	4	2	2

SIGNAL WIRE

LOCATION	ELECTRICAL WIRE TRAFFIC SIGNALS 10-AWG (WHITE) 655.0515 L.F.	ELECTRICAL WIRE TRAFFIC SIGNALS 10-AWG (GREEN) 655.0515 L.F.
CB 1-SB 1	190	
CB 1-SB 2	240	
CB 1-SB 3	280	
CB 1-SB 4	170	
CB 1-SB 5	135	
CB 1-SB 6	95	
CB 1-SB 7	50	
CB 1-SB 8	25	25
CB 1-SB 9	25	25
CB 1-SB 10	95	
CB 1-SB 11	155	
SB 1-SB 2		70
SB 2-SB 3		60
SB 3-SB 4		100
SB 4-SB 5		45
SB 5-SB 6		50
SB 6-SB 7		5
SB 7-SB 8		55
SB 8-SB 9		30
SB 9-SB 10		100
SB 10-SB 11		70
CB 1-PB 8	10	
SB 5-PB 5	5	
SB 3-PB 3	10	
SB 11-PB 10	15	
TOTALS:	1,460	675

NONMETALLIC CONDUIT, SCHEDULE 40, 2-INCH & 3-INCH

LOCATION	NONMETALLIC CONDUIT, SCH 40 2-INCH 652.0225 L.F.	NONMETALLIC CONDUIT, SCH 40 3-INCH 652.0235 L.F.
CB 1	PB 8 (4)	40
CB 1	XCEL FEED PT	90
PB 8	SB 9	15
PB 8	SB 8	15
PB 8	PB 9	80
PB 8	PB 7	30
PB 7	SB 7	10
PB 7	PB 6	50
PB 6	SB 6	5
PB 6	PB 5	40
PB 5	SB 5	5
PB 5	PB 4	30
PB 4	SB 4	10
PB 4	PB 3	80
PB 3	SB 3	10
PB 3	PB 2	40
PB 2	SB 2	10
PB 2	PB 1	50
PB 1	SB 1	10
PB 1	PB 10	40
PB 10	SB 11	15
PB 10	PB 9	50
PB 9	SB 10	5
TOTALS:	110	620

PEDESTALS AND TRANSFORMER BASES

STATION	LOCATION	DESCRIPTION	PEDESTAL 657.0100 EACH	TRANSFORMER 657.0255 EACH
4+17	LT	SB 1	1	
3+87	RT	SB 2	1	
4+16	RT	SB 3		1
4+89	RT	SB 4	1	
5+18	RT	SB 5		1
5+30	RT	SB 6	1	
5+65	LT	SB 7	1	
5+45	LT	SB 8	1	
5+36	LT	SB 9		1
4+58	LT	SB 10	1	
4+25	LT	SB 11		1
TOTALS:			7	4

PEDESTRIAN SIGNALS

STATION	LOCATION	DESCRIPTION	FACES 12-INCH 658.0412 EACH	PUSH BUTTONS 658.0500 EACH
3+87	RT	SB 2	1	1
4+16	RT	SB 3	1	1
4+89	RT	SB 4	1	1
5+18	RT	SB 5	1	1
5+65	LT	SB 7	1	1
5+45	LT	SB 8	1	1
4+58	LT	SB 10	1	1
4+25	LT	SB 11	1	1
TOTALS:			8	8

PULL BOX, STEEL

STATION	LOCATION	DESCRIPTION	24 X 42 653.0140 EACH
4+07	LT	PB 1	1
3+76	RT	PB 2	1
4+20	RT	PB 3	1
4+91	RT	PB 4	1
5+15	RT	PB 5	1
5+37	RT	PB 6	1
5+73	LT	PB 7	1
5+37	LT	PB 8	1
4+62	LT	PB 9	1
4+11	LT	PB 10	1
TOTALS:			10

ELECTRICAL SERVICES, TRAFFIC SIGNALS, SPV.00105.1

STATION	LOCATION	LUMP SUM
5+52	LT	1
TOTALS:		1

TRAFFIC SIGNAL CABLE

LOCATION	CABLE TRAFFIC SIGNAL 7-14 AWG 655.0240 L.F.	CABLE TRAFFIC SIGNAL 12-14 AWG 655.0260 L.F.	CABLE TYPE UF 2-12 AWG GROUNDED 655.0305 L.F.
CB 1-SB 1		190	
CB 1-SB 2	240		
CB 1-SB 3	280		286
CB 1-SB 4		170	
CB 1-SB 5		135	141
CB 1-SB 6		95	
CB 1-SB 7	50		
CB 1-SB 8	25		
CB 1-SB 9	25		31
CB 1-SB 10		95	
CB 1-SB 11		155	161
TOTALS:	620	840	619

TRAFFIC SIGNAL CONTROLLER, CABINET AND OPTICOM SPV.0105.3

STATION	LOCATION	LUMP SUM
5+52	LT	1
TOTALS:		1

OPTICALLY ACTIVATED TRAFFIC SIGNAL PHASE SELECTION SYSTEM SPV.0105.2

LOCATION	LUMP SUM
LOSEY BL & WARD AVE	1
TOTALS:	1

VIDEO DETECTION SYSTEM SPV.0105.4

LOCATION	LUMP SUM
LOSEY BL & WARD AVE	1
TOTALS:	1

INSTALL NEW WATER SEVICE

STATION	LOCATION	TYPE "K"	2" CORP STOP	2" CURB BOX
		2" COPPER WATER LATERAL SPV.0090.5	SPV.0060.17	SPV.0060.18
		L.F.	EACH	EACH
2+35	LEFT	16	1	1
2+45	RIGHT	49	1	1
TOTAL		65	2	2

ABANDON EXISTING WATER SEVICES

STATION	LOCATION	WATER LATERAL
		SPV.0105.6
		L.S.
2+45	RIGHT	1
6+81	LEFT	1
TOTAL		2

NOTE: ALL ITEMS ARE UNDER CATEGORY 30

FIRE HYDRANT QUANTITIES

STATION	LOCATION	6"	STANDARD	6" R.S. GATE
		HYDRANT LEAD SPV.0090.4	HYDRANT SPV.0060.19	VALVE WITH ROAD BOX SPV.0060.04
0+45	LEFT	14	1	1
2+50	BOTH	49		1
TOTAL		63	1	2

WATERMAIN R.S. GATE VALVES WITH ROAD BOX

STATION	LOCATION	SPV.0060	SPV.0063	SPV.0062	SPV.0061
		EACH 6"	EACH 8"	EACH 12"	EACH 16"
0+30	LEFT		1		
0+40	LEFT				1
2+35	LEFT	2			
2+50	RIGHT	2			
4+35	LEFT		1		
4+35	RIGHT		1		
4+95	LEFT		1		
5+32	LEFT			1	
TOTAL		4	4	1	1

**REMOVE EXISTING R.S. GATE VALVES WITH ROAD BOX
SPV.006025**

STATION	LOCATION	EACH
2+50	RIGHT	1
3+82	RIGHT	1
3+98	RIGHT	1
4+05	RIGHT	1
TOTAL		4

DUCTILE IRON WATERMAIN PIPE PRESSURE CLASS 350 INCLUDING POLWRAP

STATION	STATION	LOCATION	SPV.000.01 16" L.F.	SPV.000.02 12" L.F.	SPV.000.03 8" L.F.	SPV.000.04 6" L.F.
0+30		BOTH			36	
0+30	5+32	LEFT	513			
2+55		BOTH				49
4+35		BOTH		112		
TOTAL			513	112	36	49

MISCELLANEOUS WATERMAIN FITTINGS

STATION	LOCATION	SPV.0060.11	SPV.0060.12	SPV.0060.10	SPV.0060.16	SPV.0060.09	SPV.0060.08	SPV.0060.07	SPV.0060.06	SPV.0060.05	SPV.0060.15	SPV.0060.14	SPV.0060.13
		16" 11 1/4" BEND	12" 45° BEND	16" 45° BEND	8" 90° BEND	12" x 12" TEE	16" x 6" TEE	16" x 8" TEE	16" x 12" TEE	16" x 16" TEE	12" x 8" REDUCER	16" x 8" REDUCER	16" x 12" REDUCER
0+30	RIGHT				1								
0+30	LEFT							1					
0+45	LEFT							1					
2+35	LEFT							1					
2+50	LEFT	1						1					
2+55	LEFT							1					
4+35	LEFT								1				
4+35	RIGHT		4										
4+75	LEFT			1							1		
4+95	LEFT			1						1		1	
5+32	LEFT					1							1
TOTAL		1	4	2	1	1	4	1	1	1	1	1	1

REMOVING PAVEMENT, 201.0100

STATION	TO	STATION	LOCATION	S.Y.
0+00		7+81.5	ROADWAY	5657
TOTAL				5657

REMOVING ASPHALTIC SURFACE, 204.0110

STATION	LOCATION	S.Y.
	115	
TOTAL		115

REMOVING CURB AND GUTTER, 204.0150

STATION	TO	STATION	LOCATION	L.F.
0+25		4+26	S/E OF INTERSECTION	444
4+78		7+81.5	N/E OF INTERSECTION	376
5+26		7+81.5	N/W OF INTERSECTION	350
0+25		4+80	S/W OF INTERSECTION	509
TOTAL				1679

REMOVING CONCRETE SIDEWALK, 204.0155

STATION	TO	STATION	LOCATION	S.Y.
0+25		4+26	S/E OF INTERSECTION	319
4+78		7+81.5	N/E OF INTERSECTION	92
5+26		7+81.5	N/W OF INTERSECTION	113
0+25		4+80	S/W OF INTERSECTION	140
TOTAL				664

REMOVING CONCRETE SIDEWALK, 204.0155

STATION	LOCATION	EACH
4+07	RIGHT	1
4+18	RIGHT	1
4+23	RIGHT	1
4+27	LEFT	1
4+58	LEFT	1
4+61	RIGHT	1
4+88	LEFT	1
4+90	RIGHT	1
5+20	RIGHT	1
5+27	LEFT	1
5+29	RIGHT	1
5+59	LEFT	1
TOTAL		12

PREPARE FOUNDATION FOR ASPHALTIC PAVING, 211.0100

LUMP SUM	1
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PREPARE FOUNDATION FOR CONCRETE PAVING, 211.0200

LUMP SUM	1
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FINISHING ROADWAY, 213.0100

LUMP SUM	1
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BASE AGGREGATE DENSE 1-1/4", 305.0120

TON	1500
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CONCRETE PAVEMENT 9-INCH, 415.0090

LOCATION	S.Y.
ROADWAY (EXCLUDING HIGH EARLY LOCATIONS)	5067
TOTAL	5067

CONCRETE PAVEMENT HES 9-INCH, 415.1090

LOCATION	S.Y.
ROADWAY (SEE HIGH EARLY PLAN SHEET)	592
TOTAL	592

CONCRETE DRIVEWAY 6-INCH, 416.0160

LOCATION	S.Y.
DRIVE SECTIONS	58
TOTAL	58

CONCRETE DRIVEWAY HES 6-INCH, 416.0260

LOCATION	S.Y.
MCDONALDS (SEE HIGH EARLY PLAN SHEET) DRIVEWAY	23
TOTAL	23

PAVEMENT DOWEL BARS, 416.0620

EACH	21
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ASPHALTIC SURFACE, 465.0105

TON	150
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ASPHALTIC SURFACE TEMPORARY, 465.0125

TON	100
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CURB AND GUTTER 30-INCH TYPE K, 601.0417

STATION	TO	STATION	LOCATION	L.F.
0+25		4+25	S/E OF INTERSECTION	415
4+75		7+81.5	N/E OF INTERSECTION	345
5+26		7+81.5	N/W OF INTERSECTION	308
0+25		4+82	S/W OF INTERSECTION	532
TOTAL				1600

CURB AND GUTTER HES 30-INCH TYPE K, SPV.OO90.6

STATION	TO	STATION	LOCATION	L.F.
1+65		1+85	LEFT	20
TOTAL				20

CONCRETE SIDEWALK 5-INCH, 602.0410

STATION	TO	STATION	LOCATION	S.F.
0+25		4+26	S/E OF INTERSECTION	3125
4+78		7+81.5	N/E OF INTERSECTION	1017
5+26		7+81.5	N/W OF INTERSECTION	470
0+25		4+80	S/W OF INTERSECTION	3075
TOTAL				7687

CURB RAMP DETECTABLE WARNING FIELD, 602.0501.S

S.F.	64
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MOBILIZATION, 619.1000

EACH	1
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CONCRETE MEDIAN BLUNT NOSE, 620.0200

STATION	TO	STATION	LOCATION	S.F.
3+25		4+25	LEFT	397
5+23		6+23	RIGHT	397
TOTAL				794

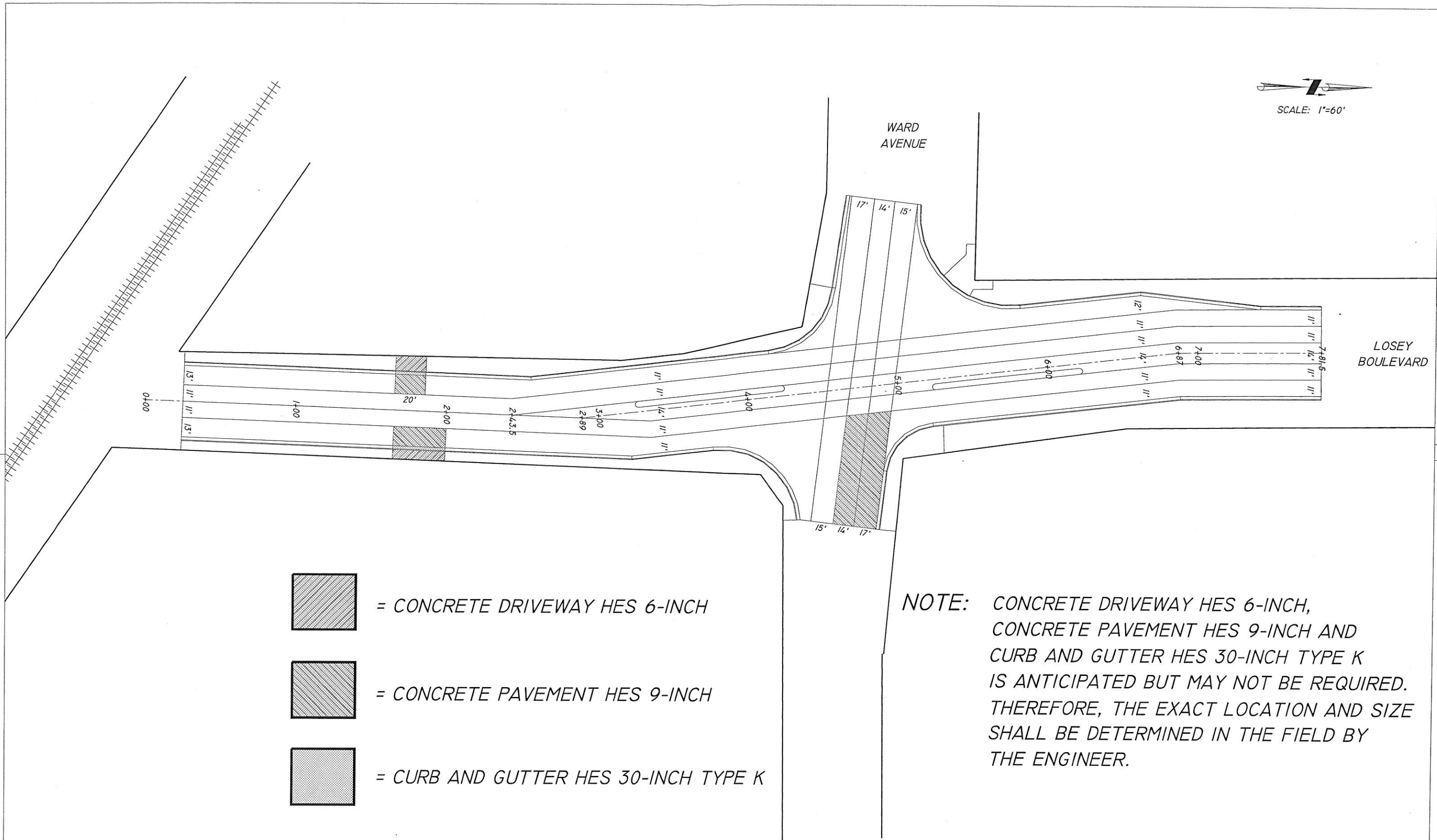
WATER, 624.0100	
MGAL	1
TOPSOIL, 625.0100	
S.Y.	300
SILT FENCE DELIVERED, 628.1505	
L.F.	500
SILT FENCE INSTALLED, 628.1510	
L.F.	500
SILT FENCE MAINTENANCE, 628.1515	
L.F.	500
FERTILIZER TYPE A, 629.0205	
CWT	1
SOD WATER, 631.0300	
MGAL	0.2
SOD LAWN, 631.1000	
S.Y.	300
FIELD OFFICE TYPE B, 642.5000	
EACH	1
TRAFFIC CONTROL, 643.0100	
EACH	1

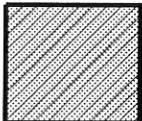


TRAFFIC CONTROL DRUMS, 643.0300	
DAYS	4680
TRAFFIC CONTROL WARNING LIGHTS TYPE C, 643.0715	
DAYS	6120
TRAFFIC CONTROL ARROW BOARDS, 643.0800	
DAYS	150
TRAFFIC CONTROL SIGNS, 643.0900	
DAYS	1440
TEMPORARY PAVEMENT MARKING REFLECTIVE TAPE 4-INCH, 649.0300	
LF	5200
SAW EXISTING PAVEMENT, 690.0100	
LF	300
SAW CONCRETE PAVEMENT FULL DEPTH, 690.0200	
LF	75
REMOVE BRICK PAVERS, SPV.0060.26	
EACH	10
HES CURB & GUTTER, SPV.0090.6	
L.F.	55

5



SCALE: 1"=60'



-  = CONCRETE DRIVEWAY HES 6-INCH
-  = CONCRETE PAVEMENT HES 9-INCH
-  = CURB AND GUTTER HES 30-INCH TYPE K

NOTE: CONCRETE DRIVEWAY HES 6-INCH, CONCRETE PAVEMENT HES 9-INCH AND CURB AND GUTTER HES 30-INCH TYPE K IS ANTICIPATED BUT MAY NOT BE REQUIRED. THEREFORE, THE EXACT LOCATION AND SIZE SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

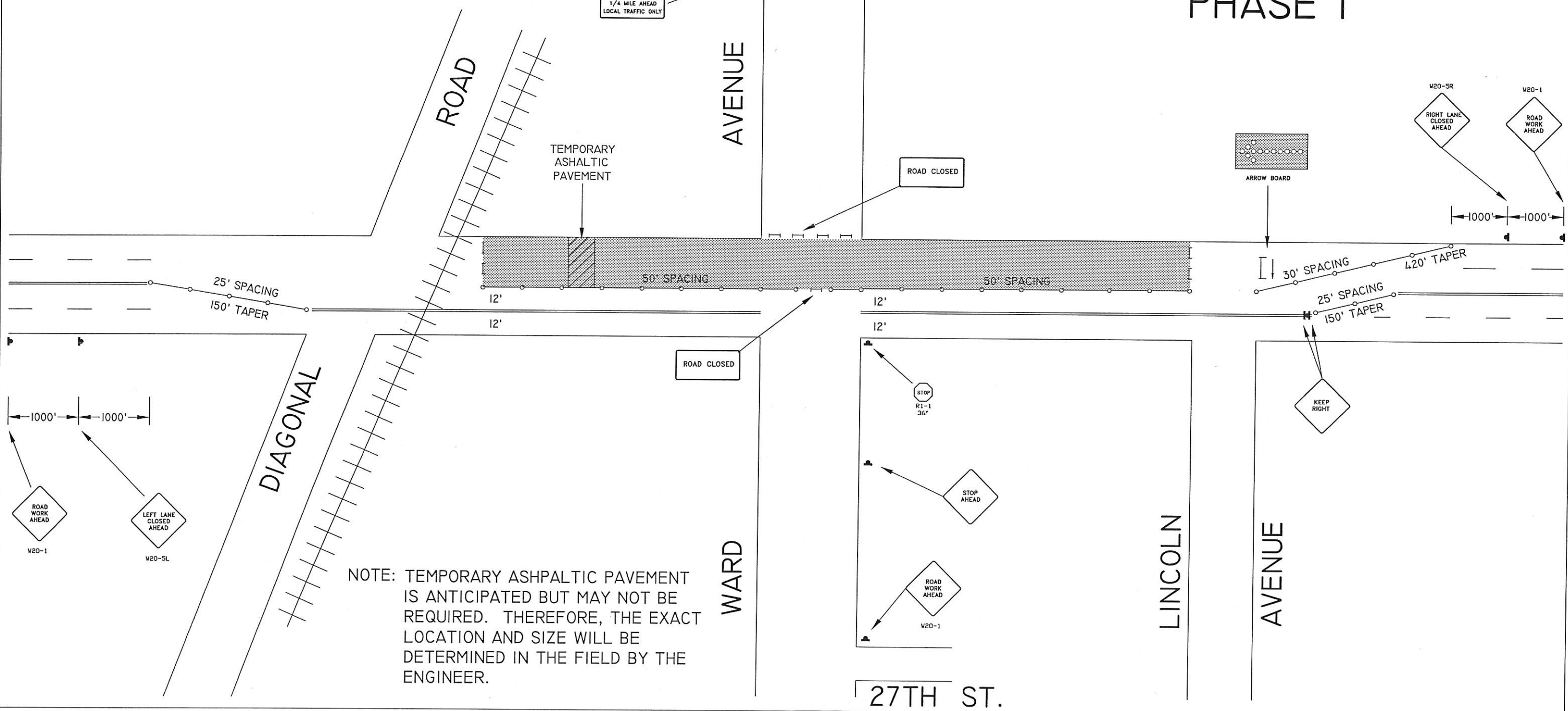
LEGEND

- REFLECTORIZED DRUM
- TYPE 3 BARRICADE WITH SIGNS NOTED
(ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED)
- ▬ POST WITH SIGN
- == TEMPORARY PAVEMENT MARKING

DRAWING NOT TO SCALE

PHASE I

21ST PLACE
21ST TERR.



NOTE: TEMPORARY ASHPALTIC PAVEMENT IS ANTICIPATED BUT MAY NOT BE REQUIRED. THEREFORE, THE EXACT LOCATION AND SIZE WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.