MAD

PROJECT ID: 5953-04-71

WITH: 5953-04-72

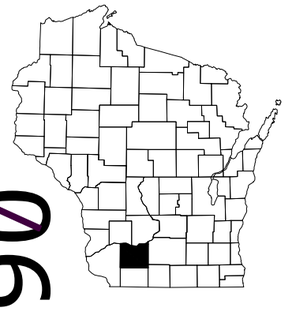
COUNTY: IOWA

MAY 2018

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 210



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C DODGEVILLE, E DIVISION STREET

IOWA STREET TO DIAMOND OAKS DRIVE

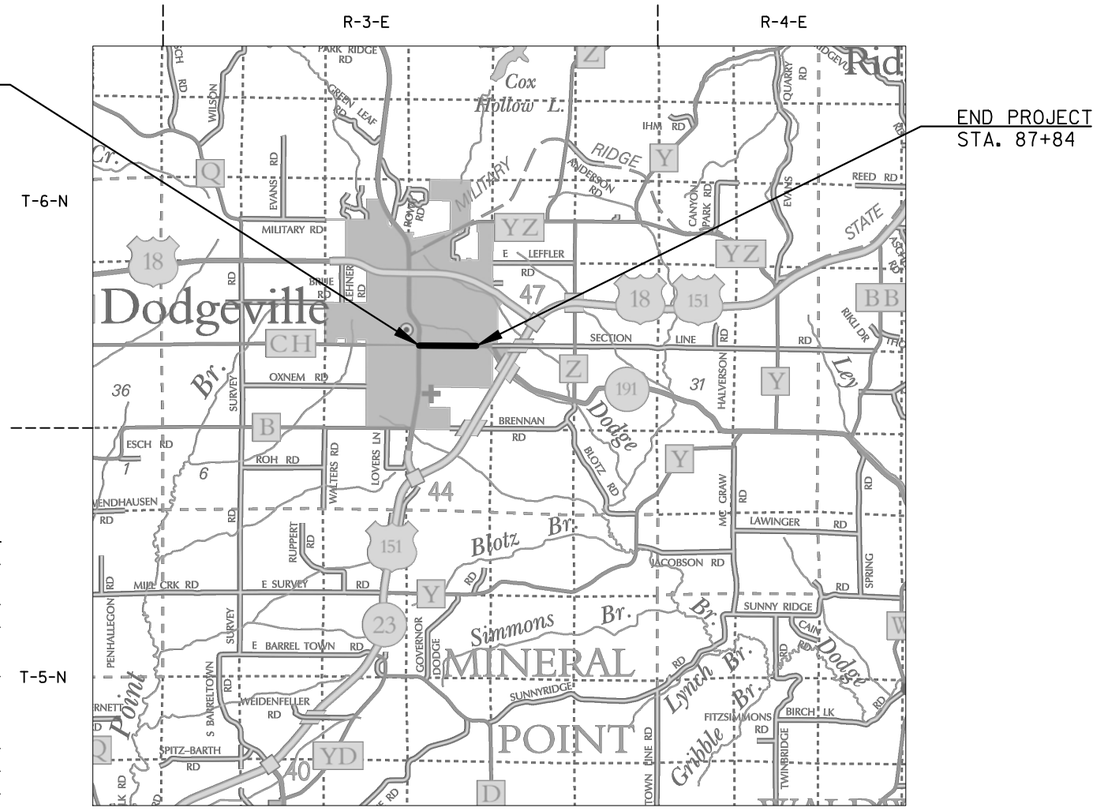
STH 191

IOWA COUNTY

ROADWAY

STATE PROJECT NUMBER
5953-04-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5953-04-71	WISC 2018236	1



LAYOUT

SCALE 0 2 MILE

TOTAL NET LENGTH OF CENTERLINE = .710 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, IOWA COUNTY, NAD88 (2012), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF NAVD 88 (2012)

DESIGN DESIGNATION

A.A.D.T.	(2014)	=	1100
A.A.D.T.	(2038)	=	1200
D.H.V.		=	2.8
D.D.		=	58/42
T.		=	3.3%
DESIGN SPEED		=	30 MPH
ESALS		=	170,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SURVEYOR
Designer	DAVID SCHMIDT, P.E.
Project Manager	CHRIS HAZARD, P.E.
Regional Examiner	SW REGION
Regional Supervisor	KURT JOHNSON, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 2/1/18 (Signature)

E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\010101_TI.DWG
LAYOUT NAME - 010101_TI

PLOT DATE : 2/8/2018 2:06 PM

PLOT BY : SCHMIDT, DAVID B PLOT NAME :

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE SEEDED, FERTILIZED, AND MULCHED AS DIRECTED BY THE ENGINEER. ALL THE OTHER DISTRUBED AREA ARE TO BE SEEDED, FERTILIZED, AND MULCHED AT THE CONTRACTORS EXPENSE.

WHEN THE QUANTITY OF THE ITEM OF BASE OR SURFACE COURSE IS MEASURED FOR PAVEMENT BY THE TON THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NO SHOWN.

HMA PAVEMENT CALCULATIONS ARE BASED ON 112 lb/sy/in.

4.0" HMA PAVEMENT SHALL BE CONSTRUCTED WITH TWO LAYERS.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING OR PARKING LANE.

THE REMOVAL OF CONCRETE DRIVEWAYS WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE ITEM OF REMOVING PAVEMENT

ALL CURB & GUTTER RADII ARE MEASURED TO FLAG OF CURB UNLESS OTHERWISE NOTED.

EXISTING STORM SEWER PIPE WITHIN THE CONSTRUCTION LIMITS THAT ARE TO BE REMOVED SHALL BE SHOWN ON THE PLANS AND DIRECTED BY THE ENGINEER IN THE FIELD. ALL CULVERT PIPE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

EROSION CONTROL FEATURES, AS SHOWN ON IN THE PLANS, ARE AT SUGGESTED LOCATIONS.
EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CROSS DRAIN PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS, SHALL BE ADJUSTED TO FIT THE EXISTING FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.

NUMBER, LOCATIONS, AND SPACING OF TEMPORARY AND PERMANENT SIGNS AND DEVICES, AS SHOWN IN THE PLANS, SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRCTED BY THE ENGINEER

THE LOCATION OF STOP LINES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

UTILITY CONTACTS

ALLIANT ENERGY - ELECTRICITY
MICHAEL BROLIN
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
608-458-8184
craighendricks@alliantenergy.com

ALLIANT ENERGY - GAS/PETROLEUM
MICHAEL BROLIN
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
608-458-8184
craighendricks@alliantenergy.com

MOUNT HOREB TELEPHONE COMPANY
KEVIN MAYNE
200 EAST MAIN ST
MOUNT HOREB, WI 53572
608-437-6770
kevin.mayne@mhtcinc.com

CHARTER COMMUNICATIONS
STEVE HEGGE
2701 DANIELS ST.
MADISON, WI 53718
608-274-3822
brandon.storm@chartercom.com

FRONTIER COMMUNICATIONS OF WI LLC. - COMMUNICATION LINE
CAL KLADE
107 PLEASANTVIEW DR.
PLYMOUTH, WI 53073
920-893-7212
Russel.w.ryan@ftr.com

CITY OF DODGEVILLE - WATER/SEWER
GREG LEE
100 E FOUNTAIN ST
DODGEVILLE, WI 53533
608-930-1011
glee@ci.dodgeville.wi.us

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

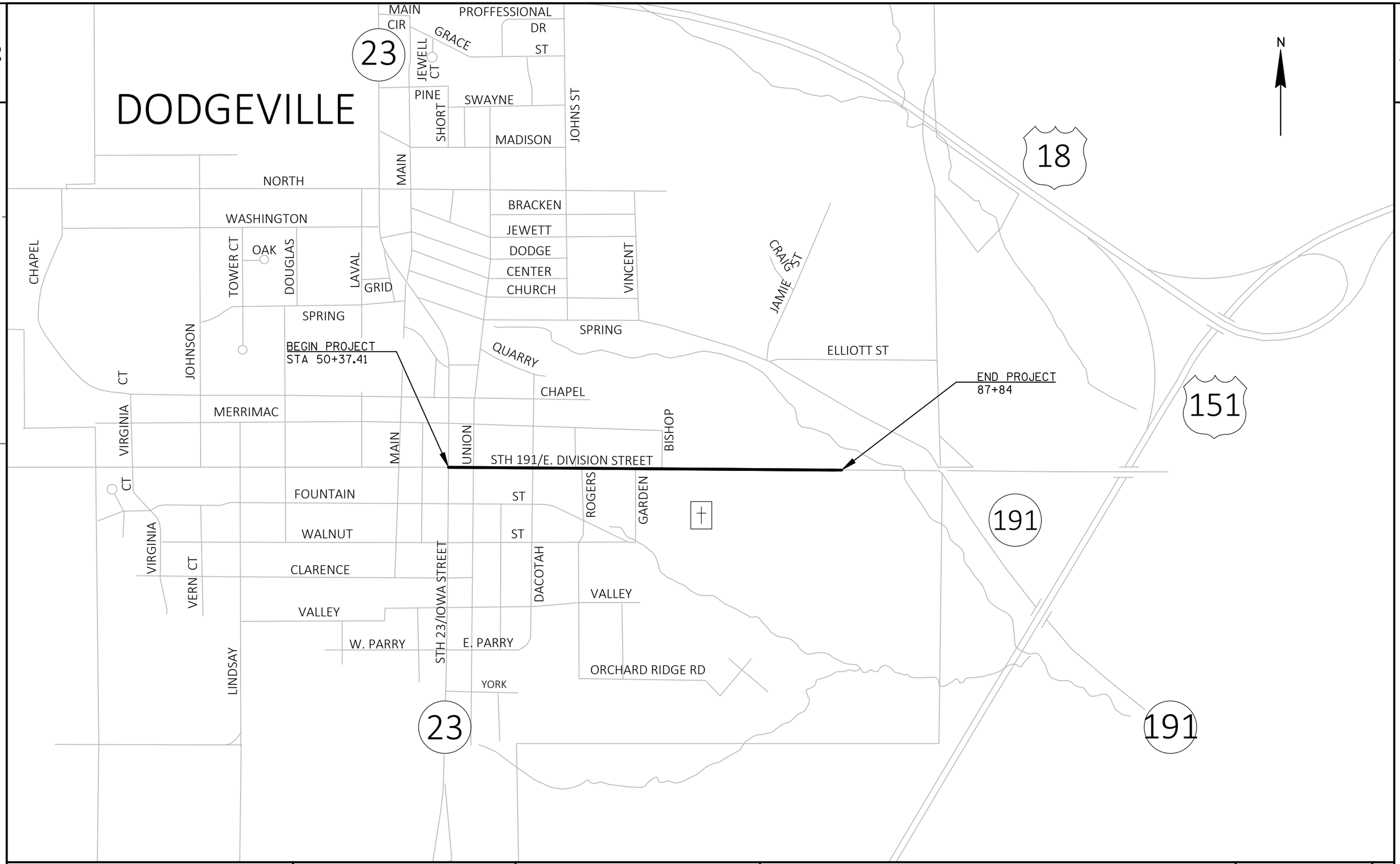
WISDOT PROJECT DEVELOPMENT SECTION
CHRIS HAZARD
PROJECT MANAGER
SW REGION, MADISON OFFICE
2101 WRIGHT STREET
MADISON, WI 53704
608-245-2652

DAVID SCHMIDT
PROJECT DEVELOPMENT ENGINEER
2101 WRIGHT ST
MADISON, WI 53704
608-246-3867

WDNR CONTACT
ANDY BARTA
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
608-275-3308

STANDARD ABBREVIATIONS

AP	Access Point	INV	Invert
AC	Acre	JT	Joint
AGG	Aggregate	LT	Left
ASPH	Asphaltic	LF	Linear Foot
BAD	Base Aggregate Dense	MH	Manhole
BL	Baseline	MP	Marker Post
BM	Bench Mark	MB	Message Board
CB	Catch Basin	NOM	Nominal
CE	Commercial Entrance	NB	Northbound
CL	Center Line	PAVT	Pavement
CONC	Concrete	PERM	Permanent
CO	County	PU	Pipe Underdrain
CABC	Crushed Aggregate Base Course	PCC	Portland Cement Concrete
CY	Cubic Yard	PE	Private Entrance
CULV	Culvert	PROJ	Project
CP	Culvert Pipe	PL	Property Line
C&G	Curb and Gutter	RL	Reference Line
DIA	Diameter	RT	Right
DWY	Driveway	R/W	Right of Way
EB	Eastbound	RDWY	Roadway
ELEV	Elevation	SHLDR	Shoulder
EW	Endwall	SB	Southbound
ENT	Entrance	SI	Slope Intercept
EXC	Excavation	SS	Storm Sewer
FP	Fence Post	SW	Sidewalk
FERT	Fertilizer	TEL	Telephone
F	Fill	TEMP	Temporary
FG	Finished Grade	TER	Terrace
FL	Flow Line	TLE	Temporary Limited Easement
FO	Fiber Optic	TV	Television
FT	Foot	UG	Underground
HYD	Hydrant	VOL	Volume
INL	Inlet	W	Water
INTERS	Intersection	WB	Westbound



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PROJECT OVERVIEW	SHEET 3	E

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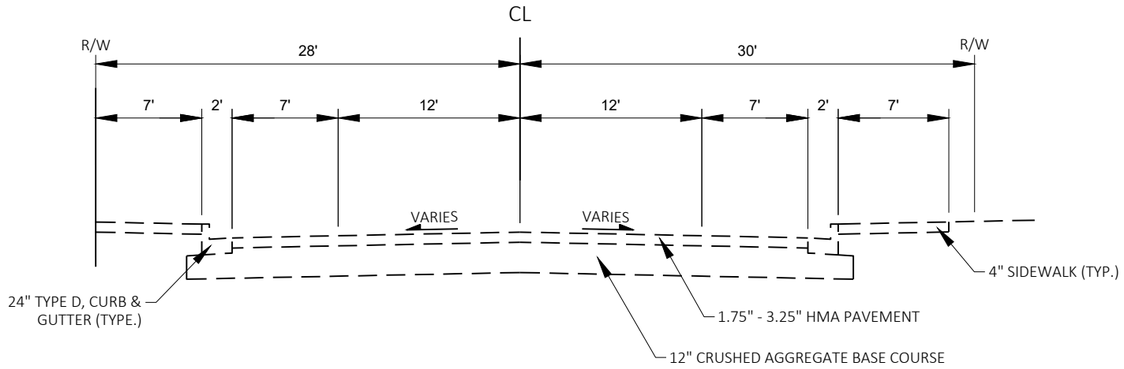
LAYOUT NAME - 020201_PO - 020201_PO

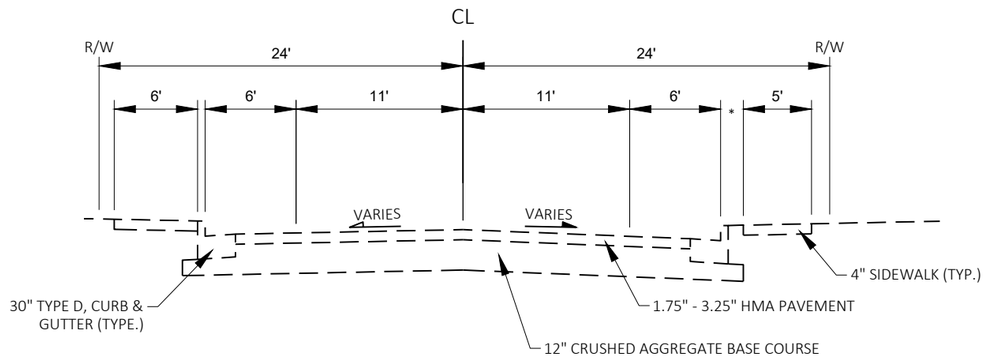
PLOT DATE : 1/19/2018 11:38 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 0.011827

WISDOT/CADDS SHEET 42

2



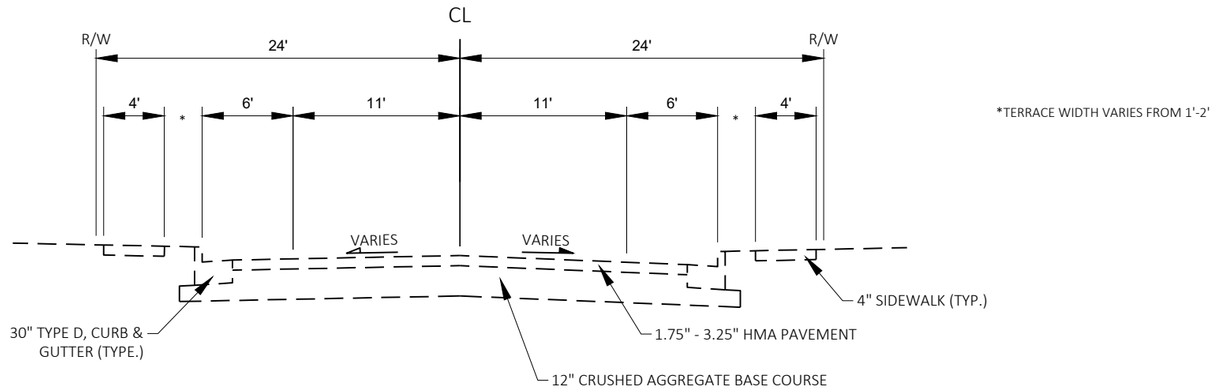
EXISTING TYPICAL SECTION E. DIVISION STREET
STA 50+37 TO 52+54



*TERRACE WIDTH VARIES FROM 1'-2'

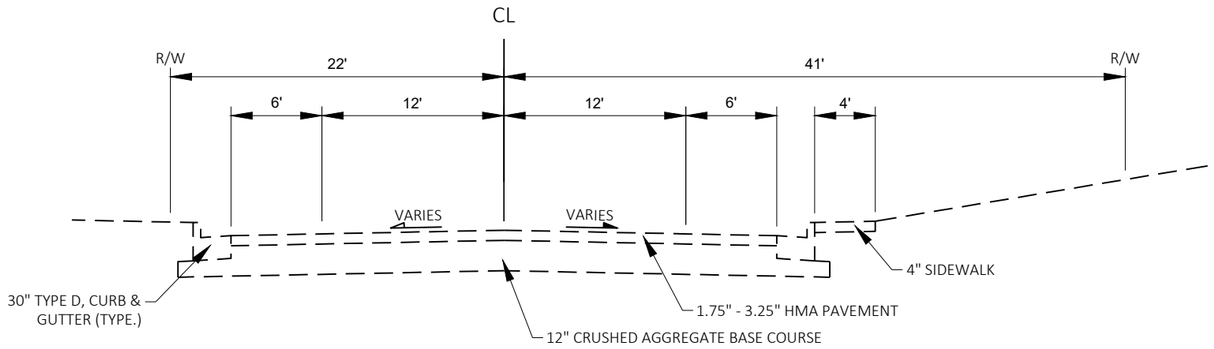
EXISTING TYPICAL SECTION E. DIVISION STREET
STA 53+10 TO 54+22

2



*TERRACE WIDTH VARIES FROM 1'-2'

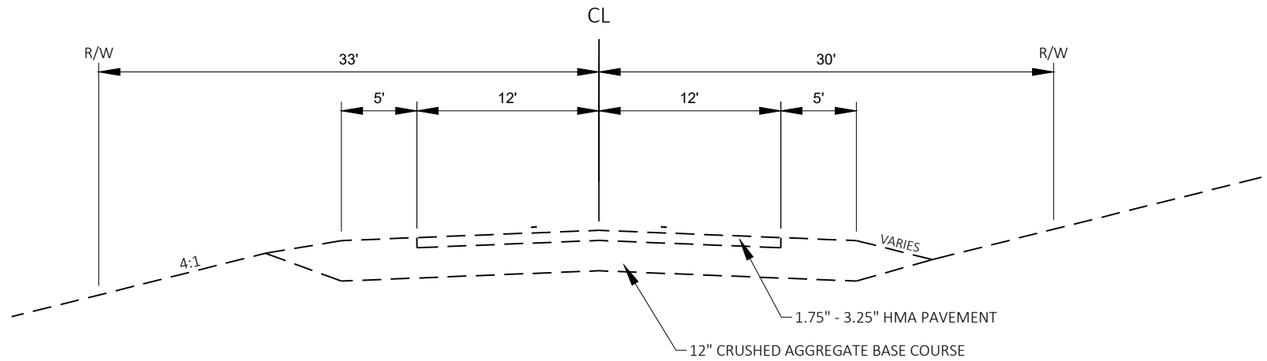
EXISTING TYPICAL SECTION E. DIVISION STREET
STA 54+22 TO 70+19



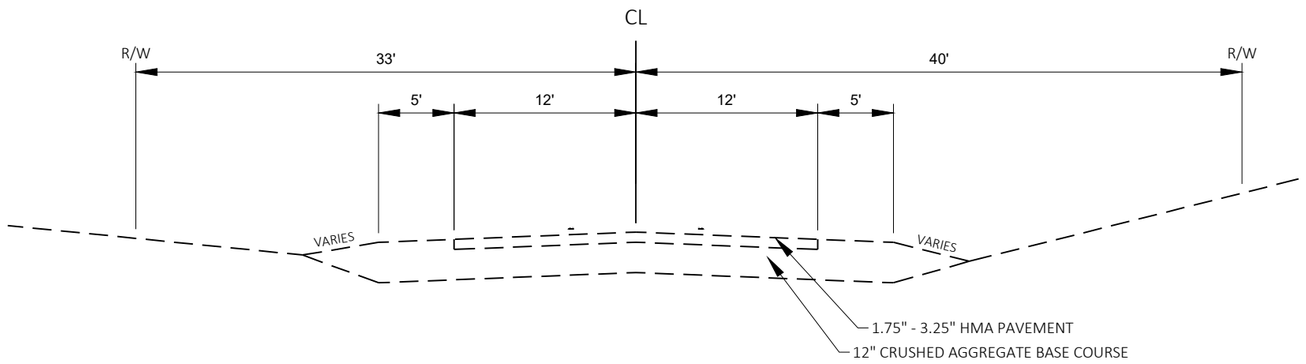
EXISTING TYPICAL SECTION E. DIVISION STREET
STA 70+59 TO 78+43

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: EXISTING TYPICAL SECTIONS	SHEET 5	E

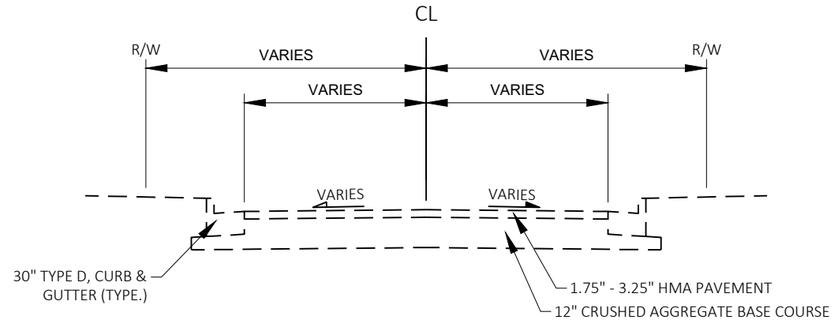
2



EXISTING TYPICAL SECTION E. DIVISION STREET
STA 78+75 TO 82+86



EXISTING TYPICAL SECTION E. DIVISION STREET
STA 84+84 TO 87+84



EXISTING TYPICAL SECTION
SIDEROADS

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: EXISTING TYPICAL SECTIONS	SHEET 6	E

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LAYOUT NAME - 03
PLOT DATE : 1/30/2018 3:08 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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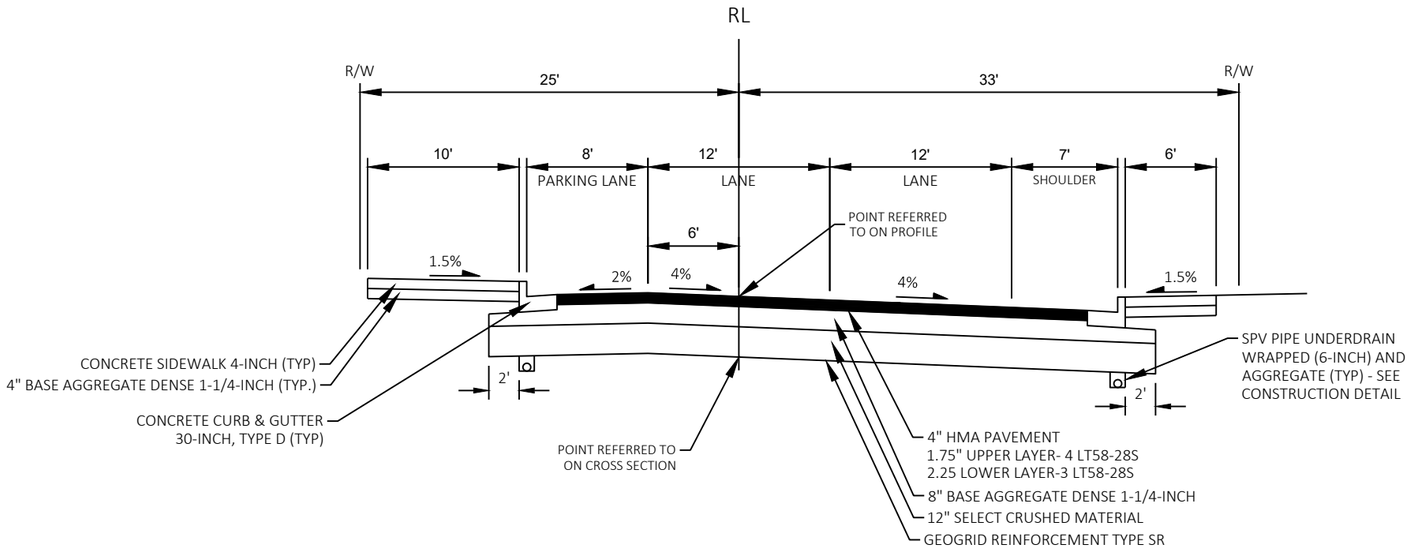
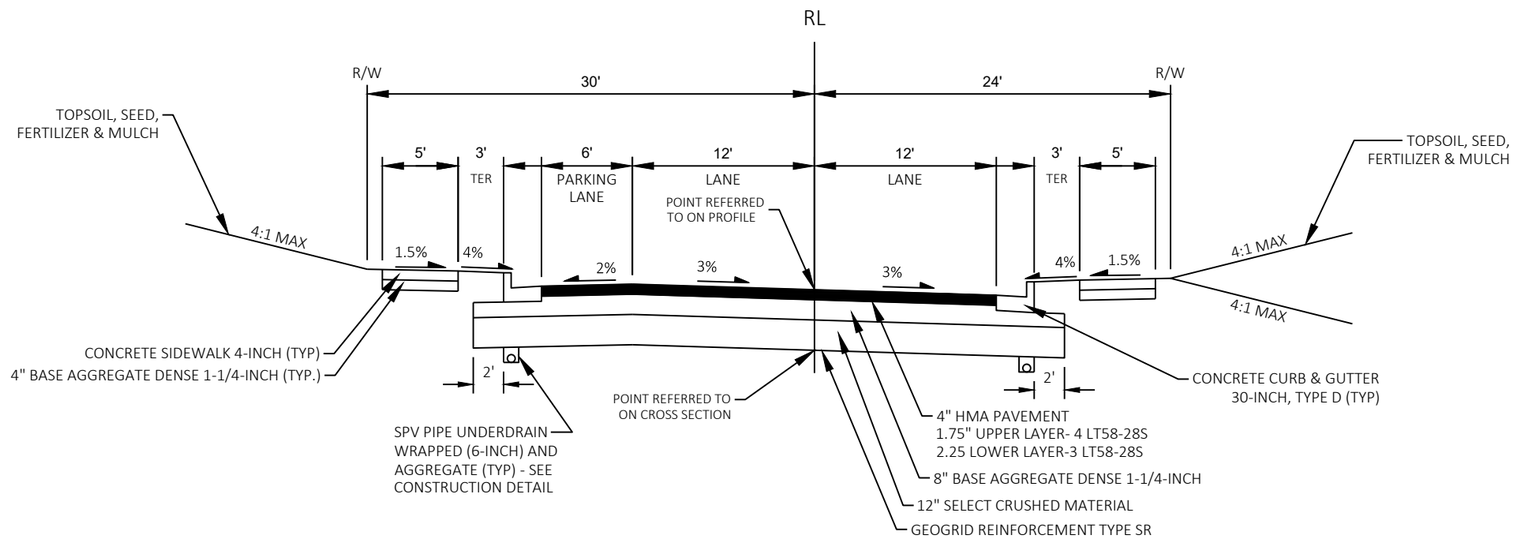


PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 50+37 TO 52+74



PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 52+74 TO 70+39

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: PROPOSED TYPICAL SECTIONS	SHEET 7	E

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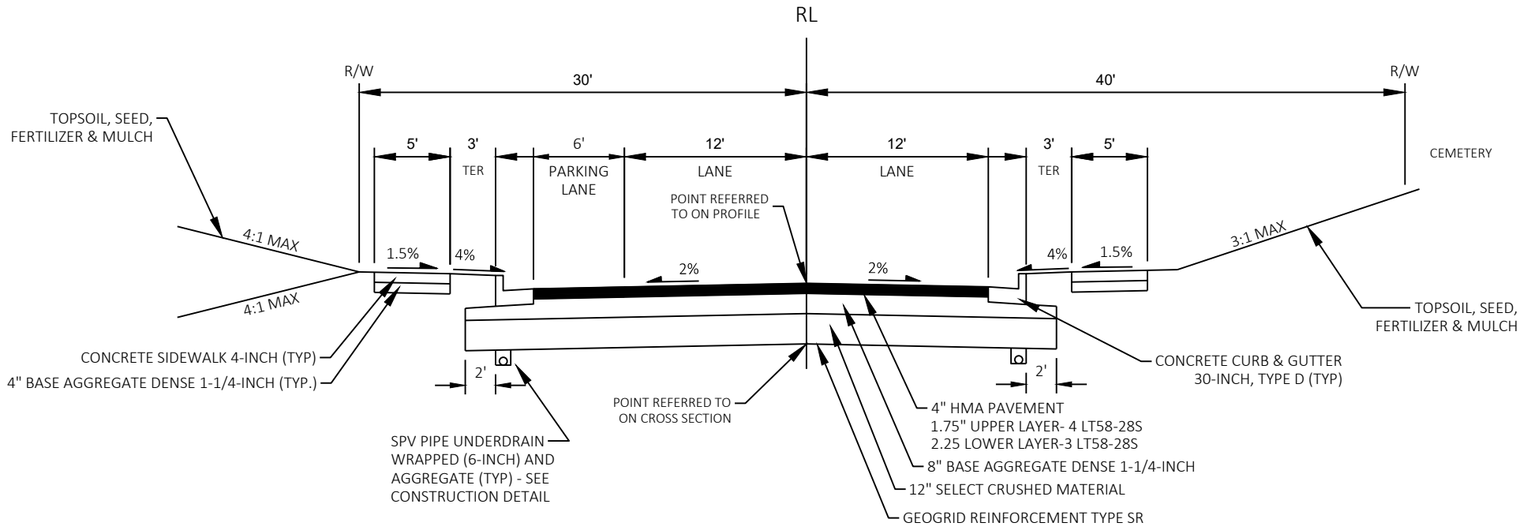
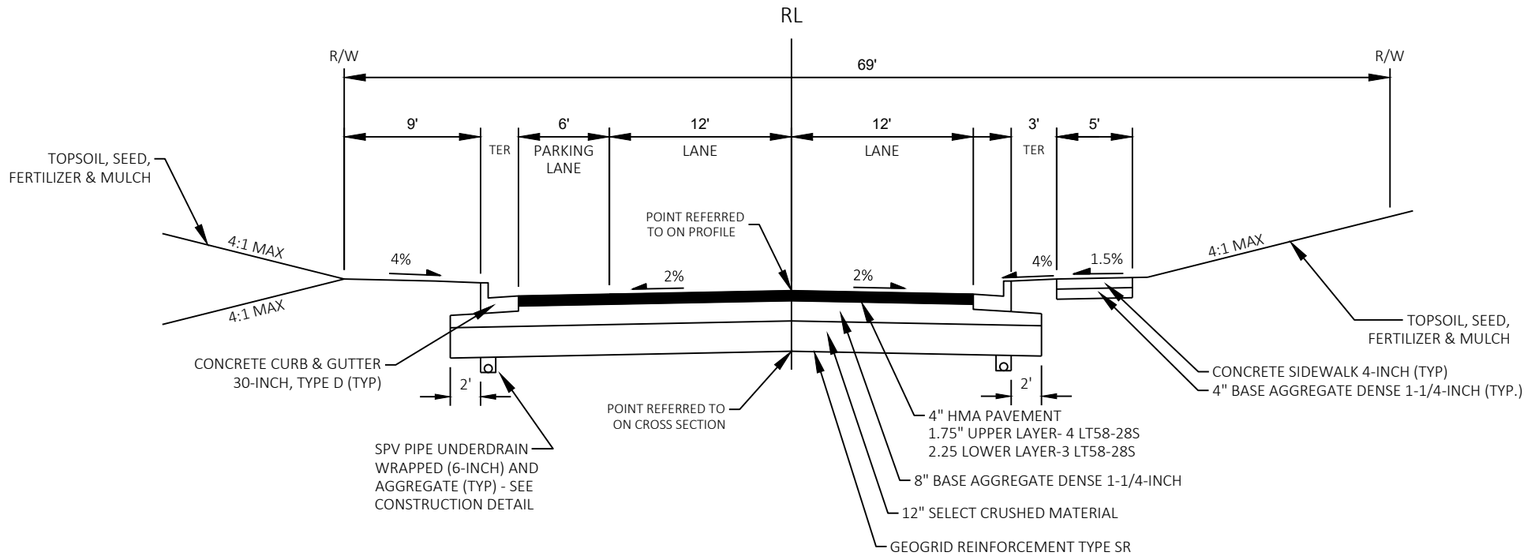
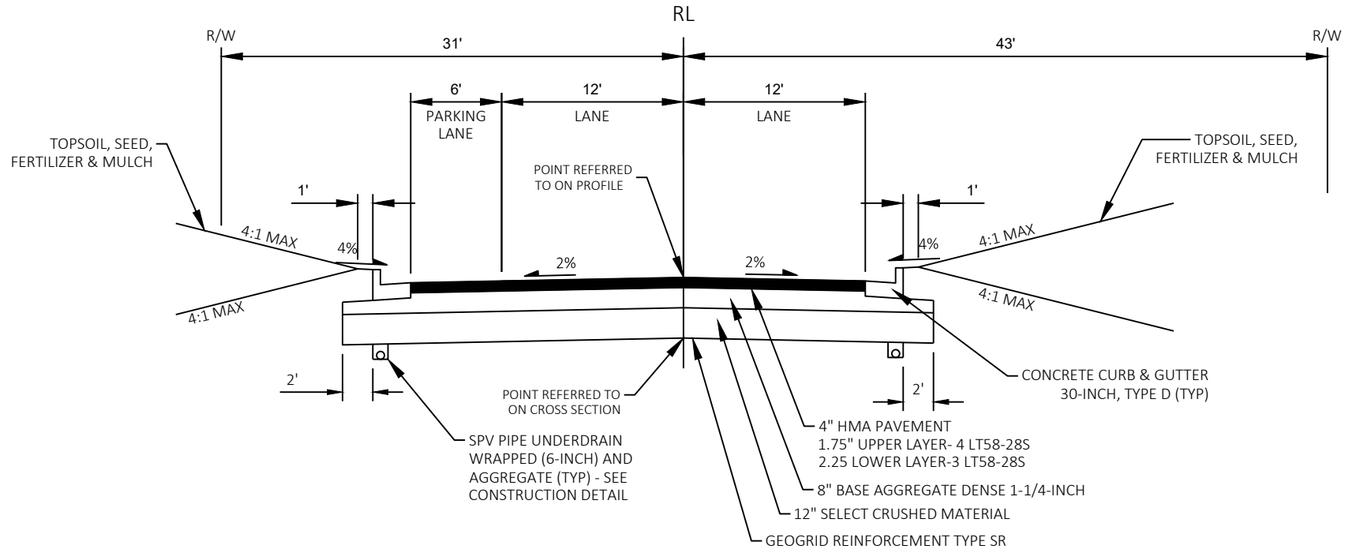


PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 70+39 TO 78+34

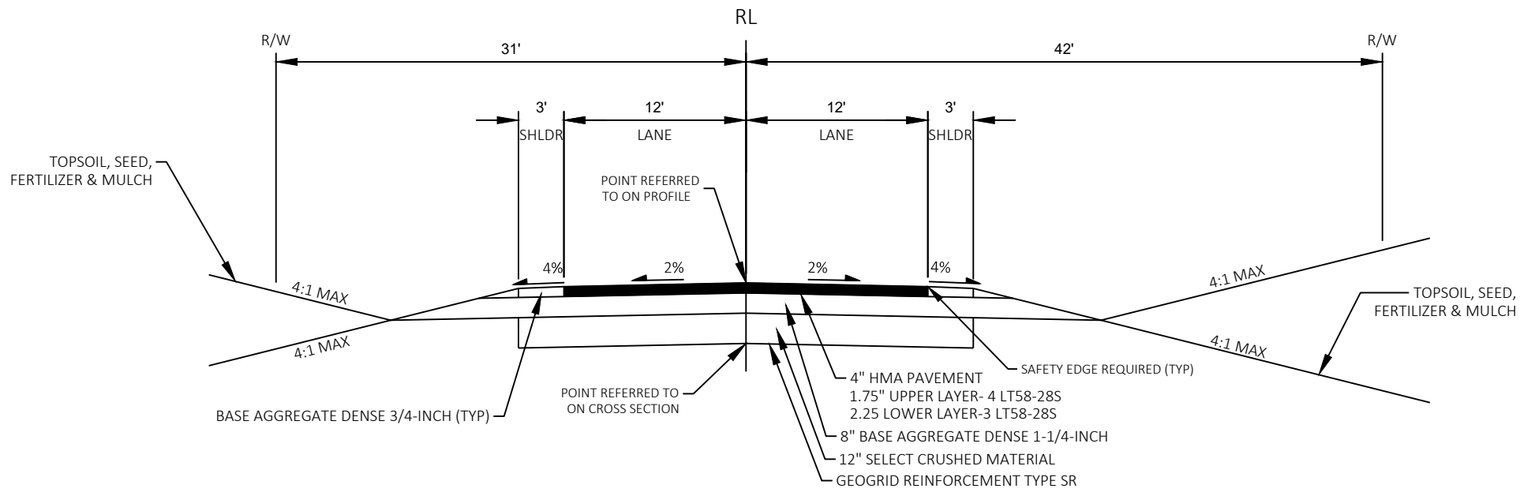


PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 78+34 TO 84+05

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: PROPOSED TYPICAL SECTIONS	SHEET 8	E



PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 84+05 TO 86+69



PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 86+69 TO 87+32

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: PROPOSED TYPICAL SECTIONS	SHEET 9	E

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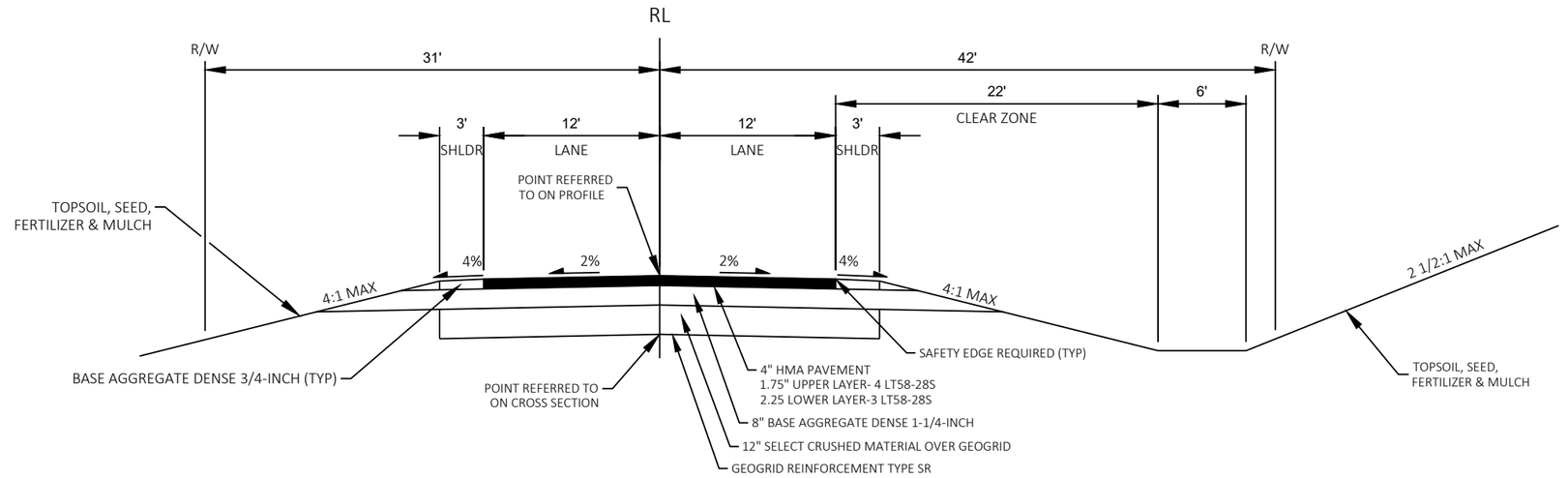
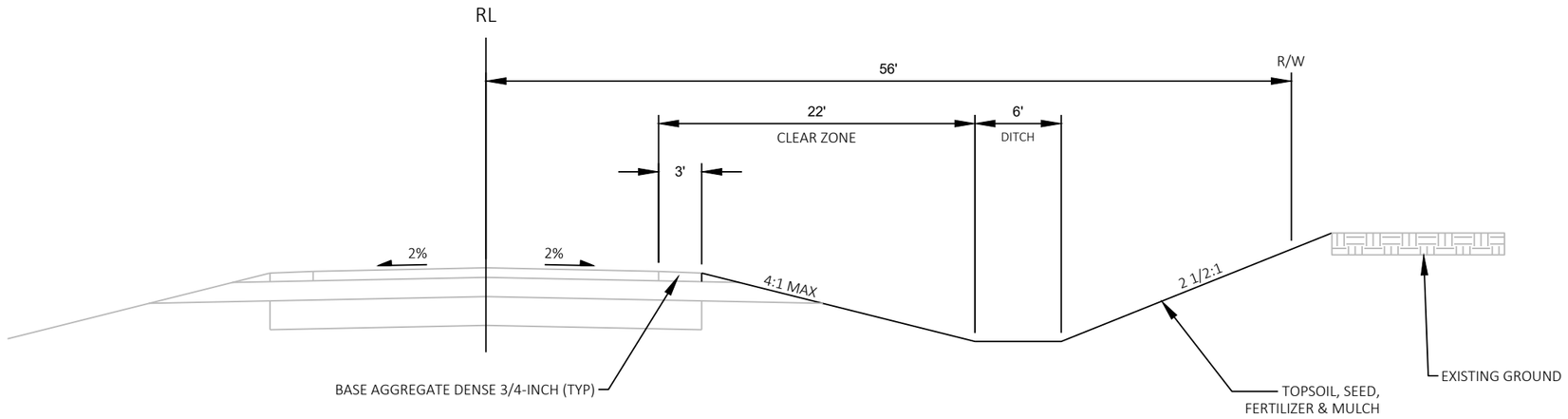


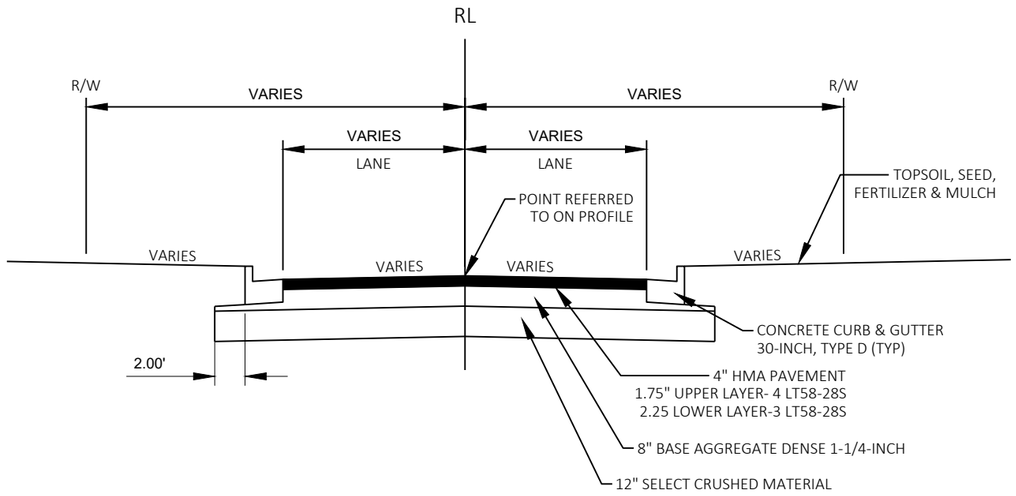
PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 87+32 TO 87+84



PROPOSED TYPICAL SECTION E. DIVISION STREET
STA 87+84 TO 92+50

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN: PROPOSED TYPICAL SECTIONS	SHEET 10	E

2

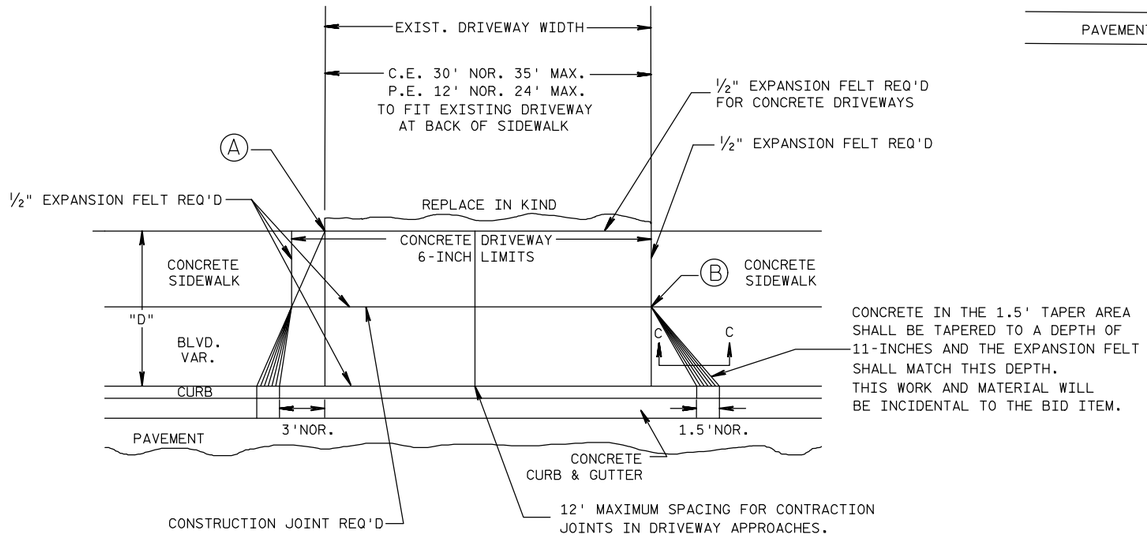


PROPOSED TYPICAL SECTION
SIDEROADS

STREET NAME	ROADWAY WIDTH (FT)	LT LANE SLOPE	RT LANE SLOPE	R/W WIDTH (FT)
S. UNION ST	27	2%	-4% TO -6%	60
N. UNION ST	30	2%	2%	60
N. DACOTAH ST	19	-1%	1%	47
S. DACOTAH ST	25	-2%	-2%	50
N. ROGER ST	16	1%	-1%	30
S. ROGER ST	27	1%	-1%	40
GARDEN LN	24	-1%	1%	34
BISHOP ST	26	3%	-1%	40
DIAMOND OAKS DRIVE	36	-2%	-2%	60
QUARRY ST	22	2%	-3%	100

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

2

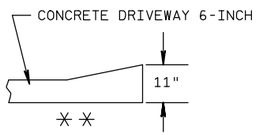


CONCRETE IN THE 1.5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

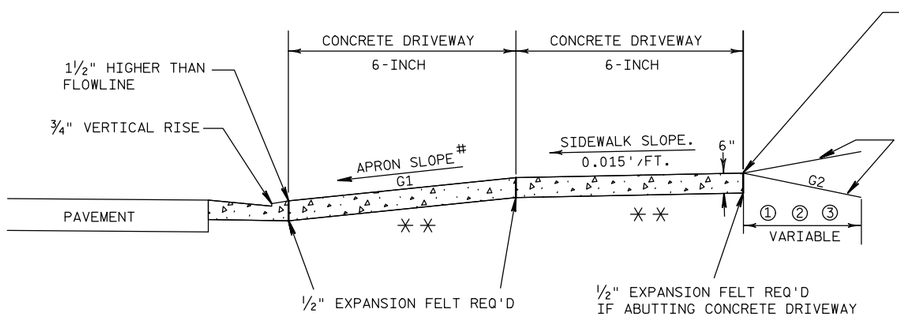
PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



TYPICAL SIDEWALK SECTION

① — 6" CONCRETE DRIVEWAY

② — 6" BASE AGG. DENSE 1 1/4-INCH

③ — 4" BASE AGG. DENSE 1 1/4-INCH BASE WITH 2" ASPHALTIC SURFACE

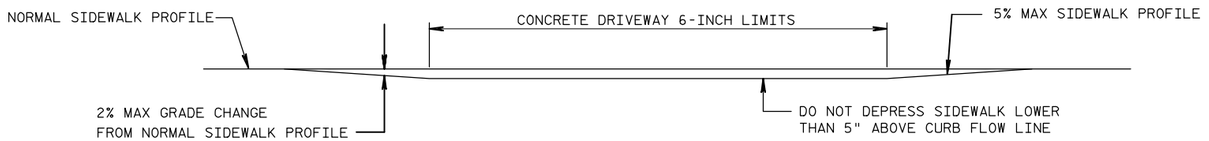
✳✳ = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY

#

TERRACE WIDTH	APRON SLOPE (G1)		
	MIN %	DESIRABLE %	MAX %
3 FT	7.0	10.0	15.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

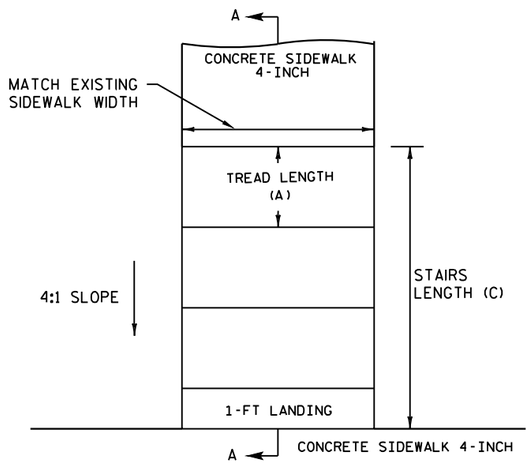
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



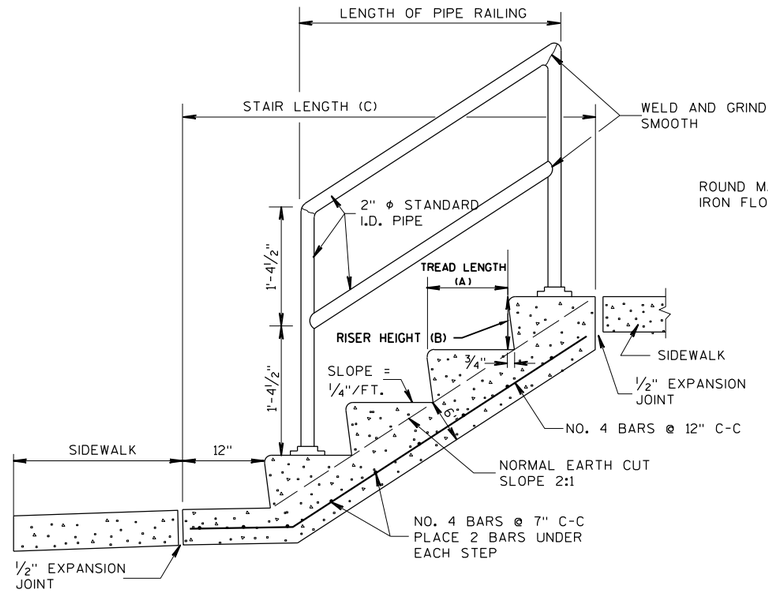
DEPRESSED SIDEWALK PROFILE DETAIL

STA	LOCATION	TREAD LENGTH (A) INCH	*RISER HEIGHT (B) INCH	NUMBER OF RISERS	LENGTH OF STAIRS (C) FT
51+56	RT	12	6	3	4
51+84	LT	36	6	2	7
54+54	LT	12	6	2	3
55+29	LT	12	6	1	2
56+07	LT	12	6	4	5
56+65	LT	12	6	5	6
57+80	LT	12	6	4	5
59+72	LT	12	6	6	7
60+21	RT	12	6	3	4
60+43	LT	12	6	6	7
61+15	LT	12	6	5	6
61+42	RT	12	6	3	4
61+58	LT	12	6	5	6
62+62	LT	12	6	5	6
63+47	LT	12	6	4	5
63+81	RT	12	6	3	4
64+19	LT	12	6	5	6
64+99	RT	12	6	6	7
65+03	LT	12	6	4	5
65+78	RT	12	6	7	8
66+55	RT	12	5	3	4
66+66	LT	12	6	4	5
67+18	LT	12	6	4	5
67+44	RT	12	6	3	4
67+82	LT	12	6	2	3
69+26	LT	12	6	3	4
69+86	LT	12	6	4	5
70+85	LT	12	6	3	4
71+71	LT	12	6	1	2
75+23	LT	12	6	4	5
76+22	LT	12	6	2	3

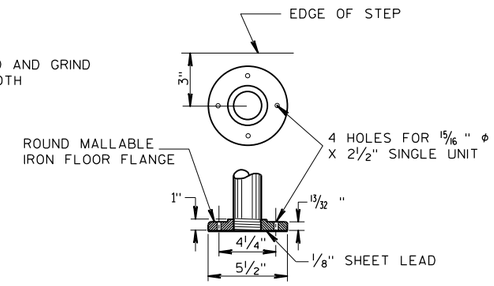
*IF FIELD ADJUSTMENTS ARE NEEDED FOR RISER HEIGHT, RISERS MUST BE BETWEEN 4 AND 7 INCHES.



TOP VIEW



SECTION A-A



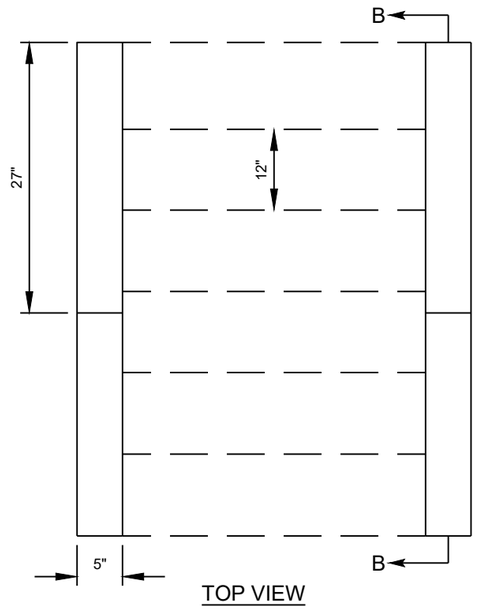
FLANGE DETAIL

NOTE:

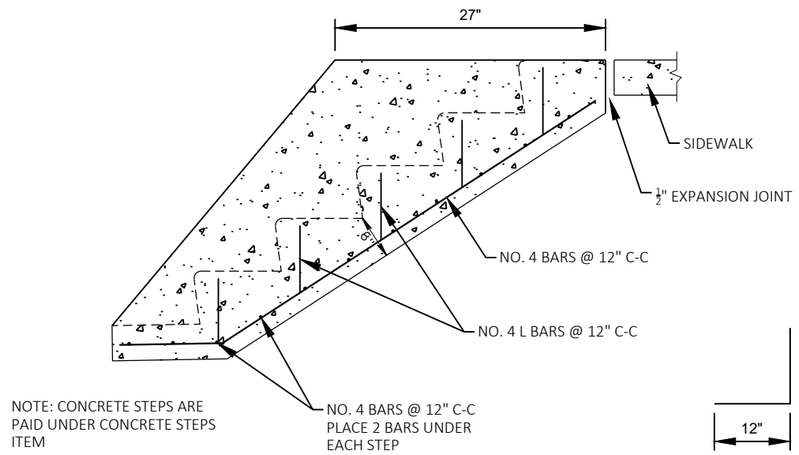
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.

CONCRETE STEPS DETAIL

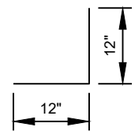


TOP VIEW



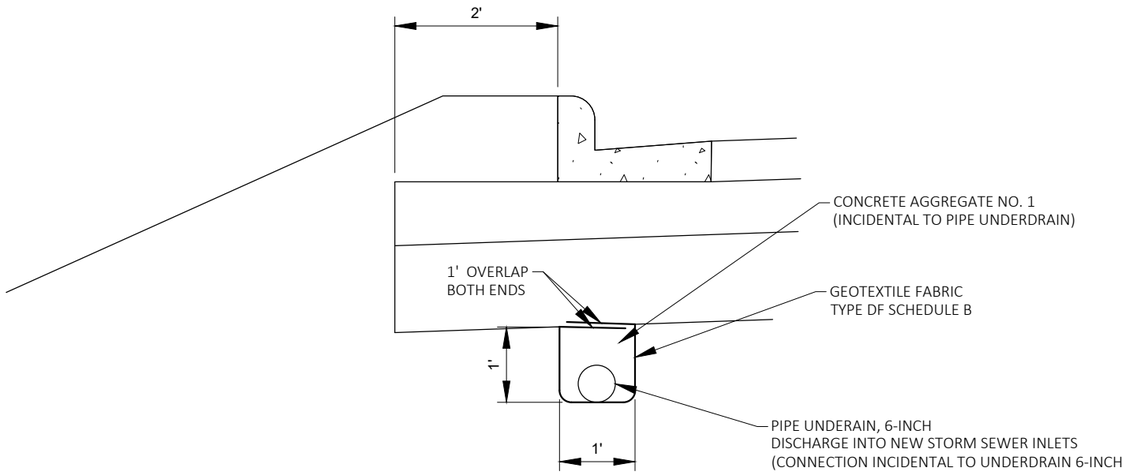
NOTE: CONCRETE STEPS ARE PAID UNDER CONCRETE STEPS ITEM

SECTION B-B



NO. 4 L BARS

SPV CONCRETE SIDEWALLS FOR CONCRETE STEPS

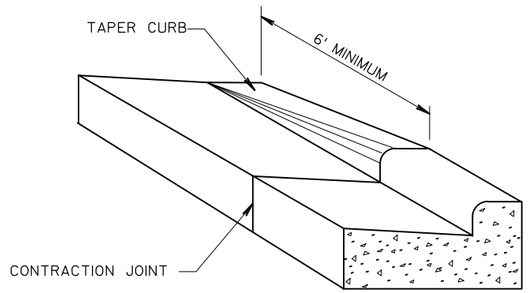


SPV PIPE UNDERDRAIN WRAPPED (6-INCH)

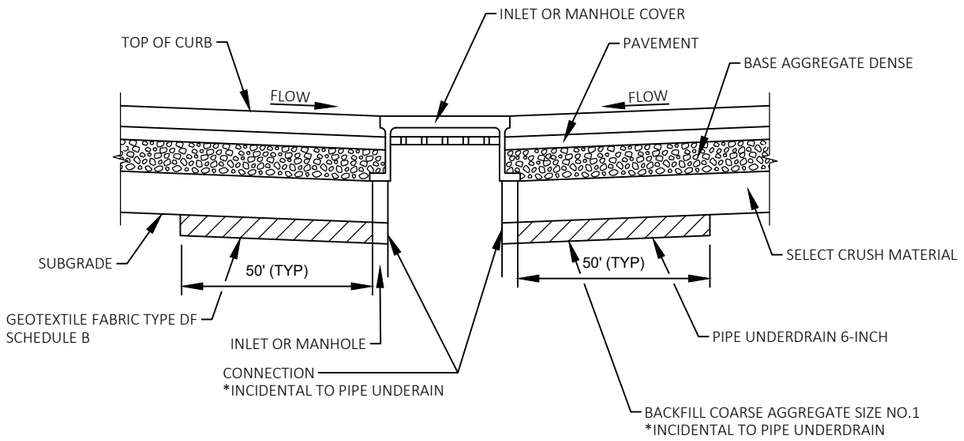
UNDERDRAIN TO BE DISCHARGED INTO STORM SEWER INLETS/MANHOLES.

EACH CONNECTION TO STORM SEWER IS INCIDENTAL TO THE PIPE UNDERDRAIN BID ITEM.

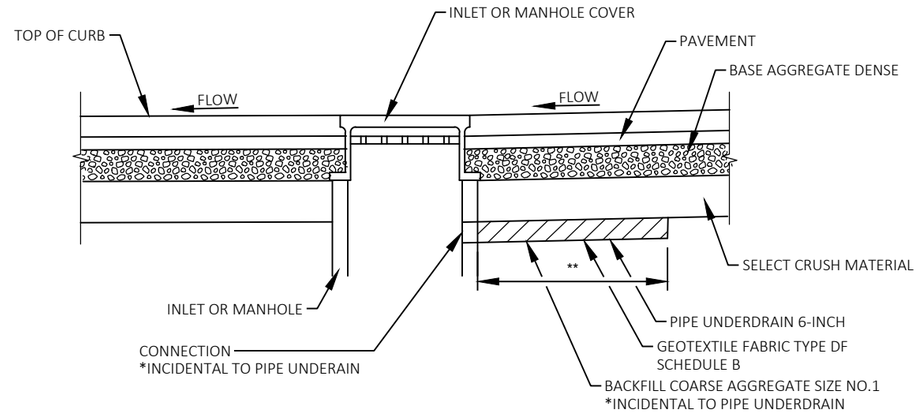
CONFIRM STORM SEWER DISCHARGE ELEVATION FOR EACH SECTION OF PIPE UNDERDRAIN PRIOR TO INSTALLATION.



DETAIL OF CURB & GUTTER TERMINI



PIPE UNDERDRAIN DETAIL (LOW POINT)

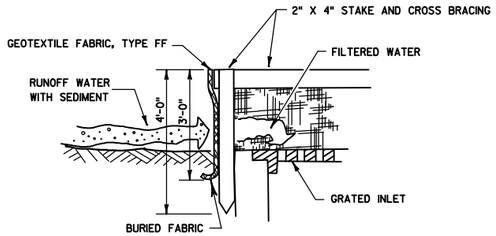


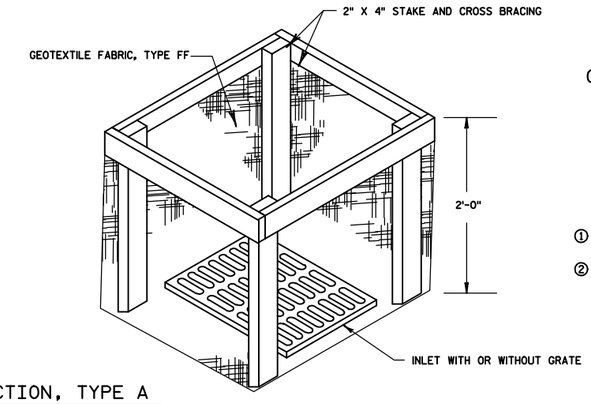
PIPE UNDERDRAIN DETAIL (FLOW THROUGH)

** DISTANCE VARIES, SEE MICS. QUANTITIES

2

NOTE: ATTACH GEOTEXTILE FABRIC, TYPE FF TO THE TOP OF STAKES AND CROSS BRACINGS.





INLET PROTECTION, TYPE A

GENERAL NOTES:

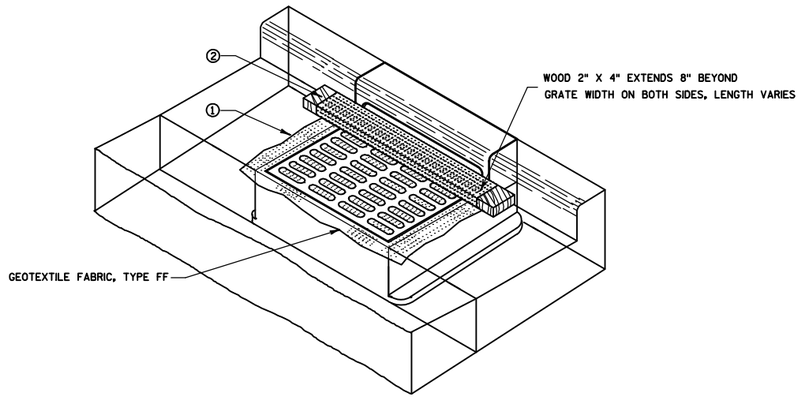
FABRIC SHALL BE REPLACED AT THE ENGINEERS DISCRETION.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTIBILITY LIST MAY BE SUBSTITUTED FOR THE INLET PROTECTION TYPE SPECIFIED.

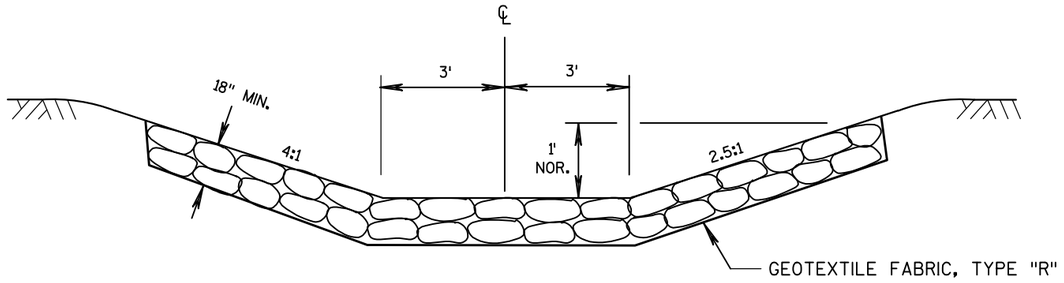
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FABRIC SIZE SHALL BE 8" (MIN) GREATER ON ALL SIDES OF THE INLET COVER TO PROVIDE A HAND HOLD WHEN MAINTENANCE OR REMOVAL IS REQUIRED.

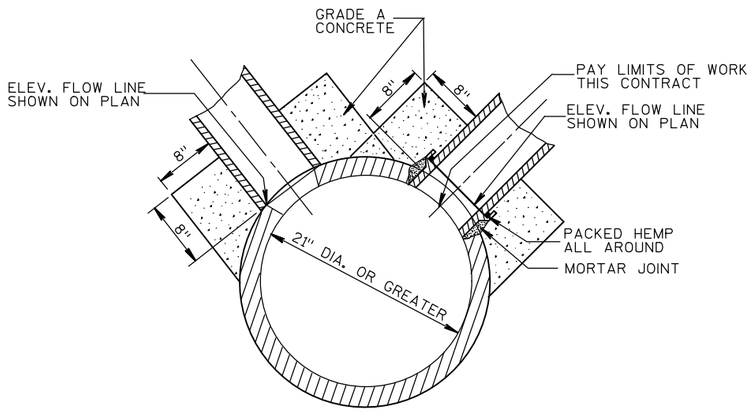
② FOR INLET PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX.



INLET PROTECTION, TYPE C (WITH CURB BOX)

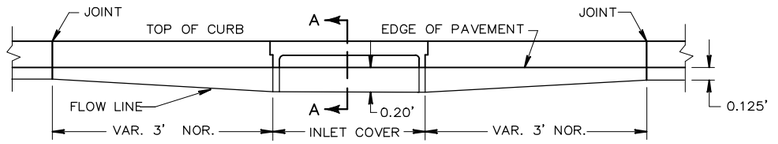


DETAIL FOR SPECIAL DITCH WITH RIPRAP MEDIUM AND GEOTEXTILE FABRIC

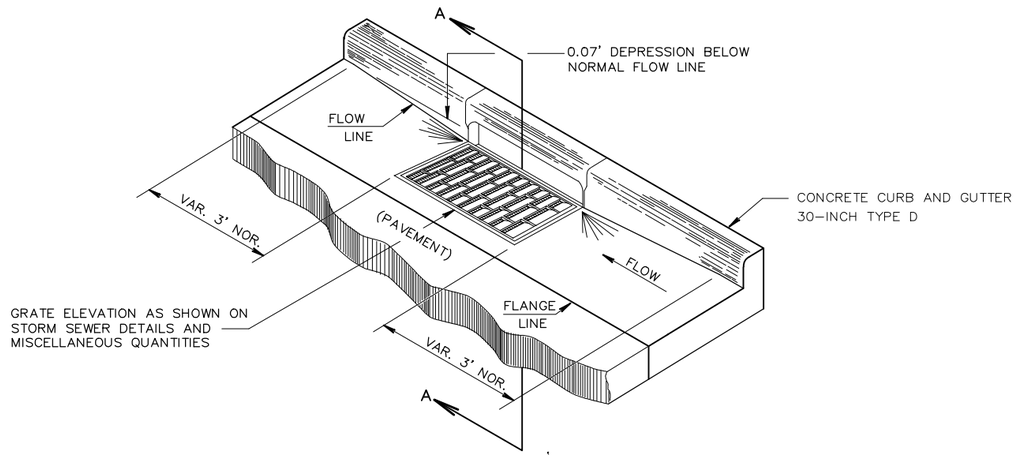


DETAIL OF CONNECTION TO STORM SEWER

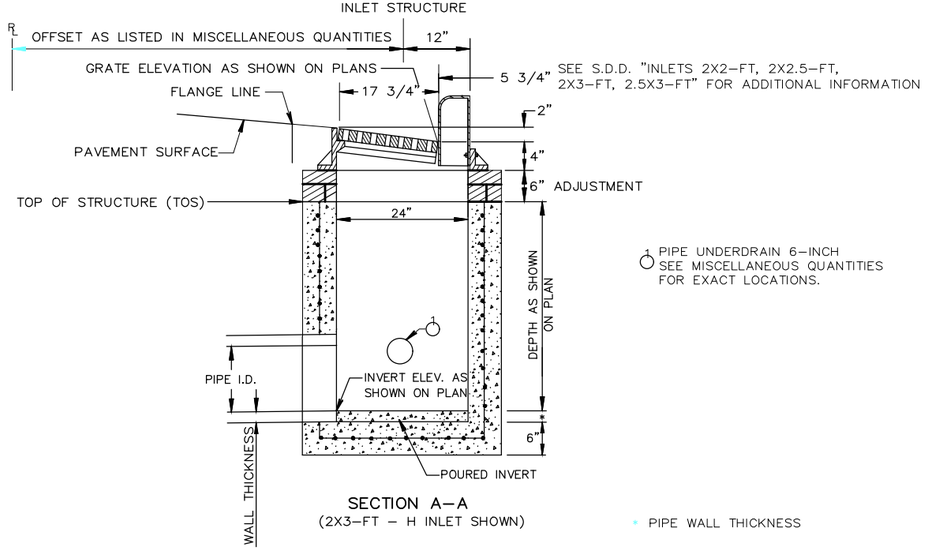
NOTE: CONTRACT UNIT PRICE FOR PIPE SHALL INCLUDE COST OF CONNECTION TO EXISTING STORM SEWER OR M.H.



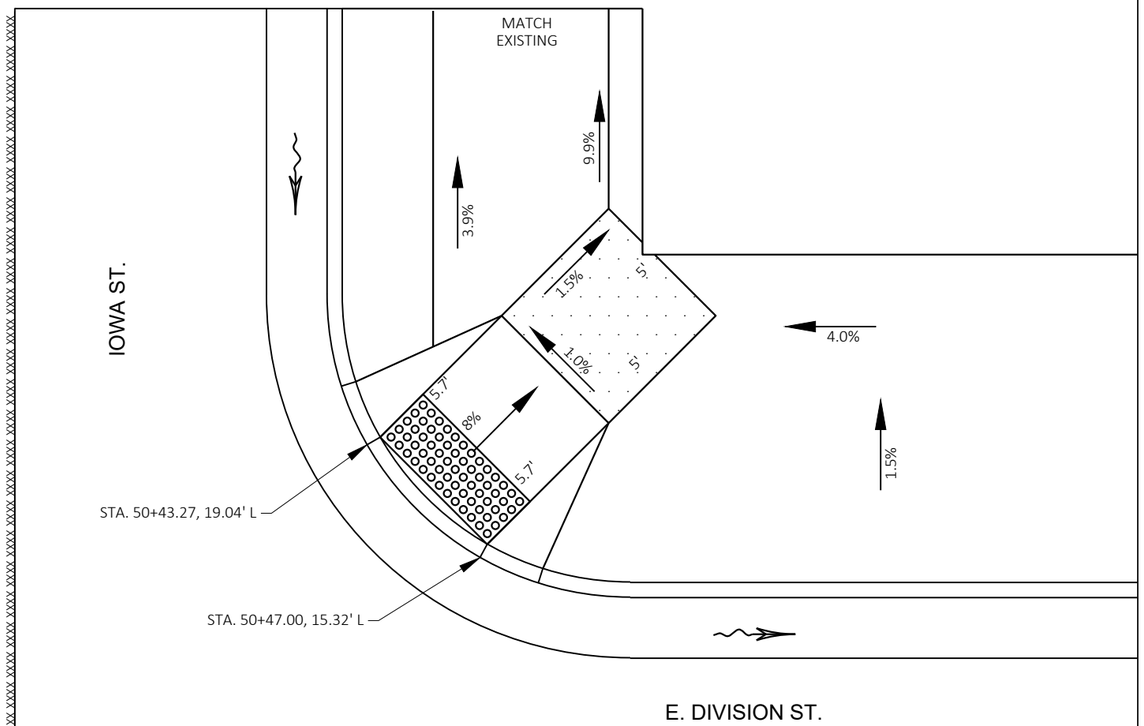
ELEVATION

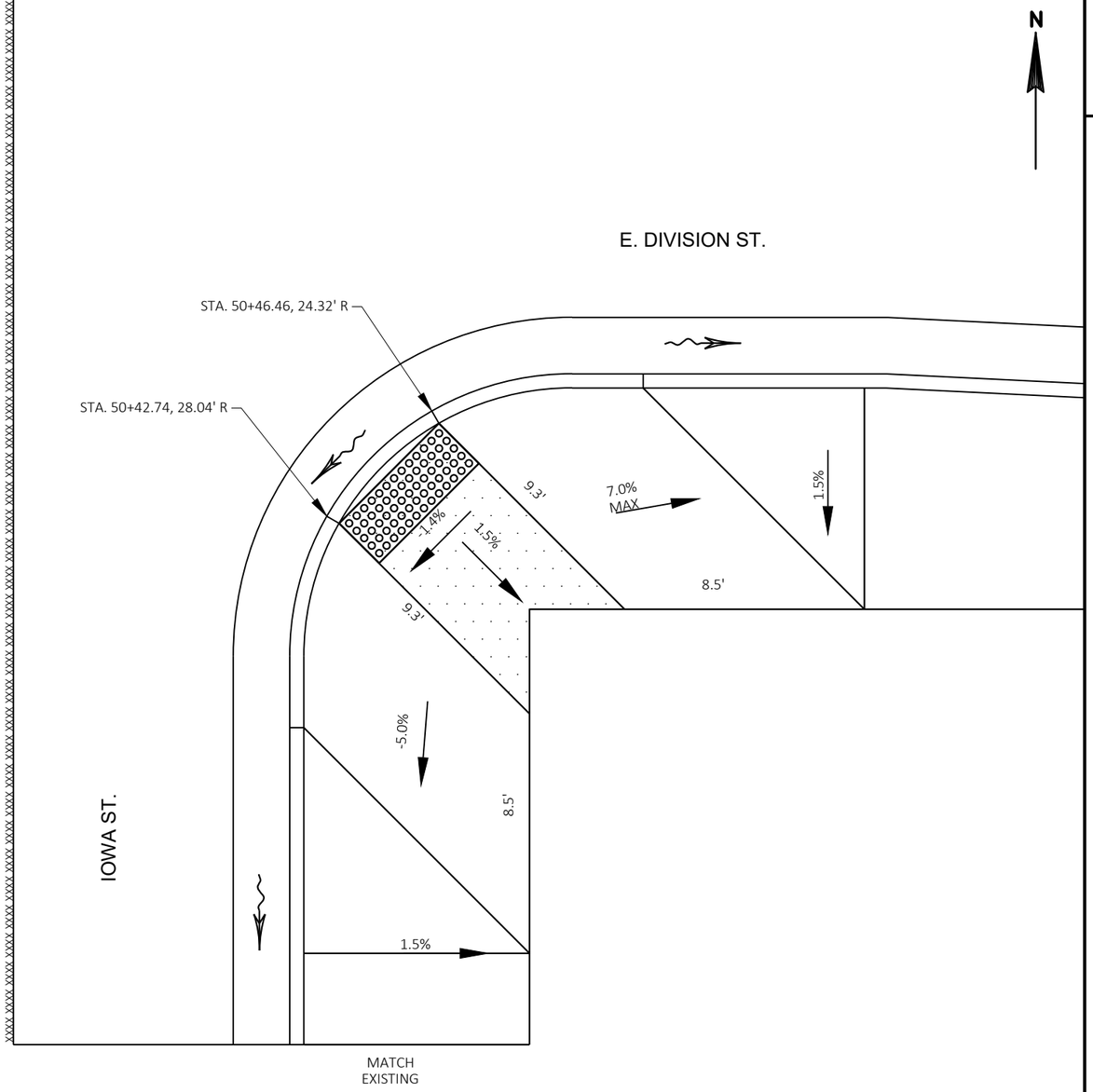


INLET STRUCTURE



DETAIL OF CONCRETE CURB AND GUTTER 30-INCH TYPE D AT INLETS

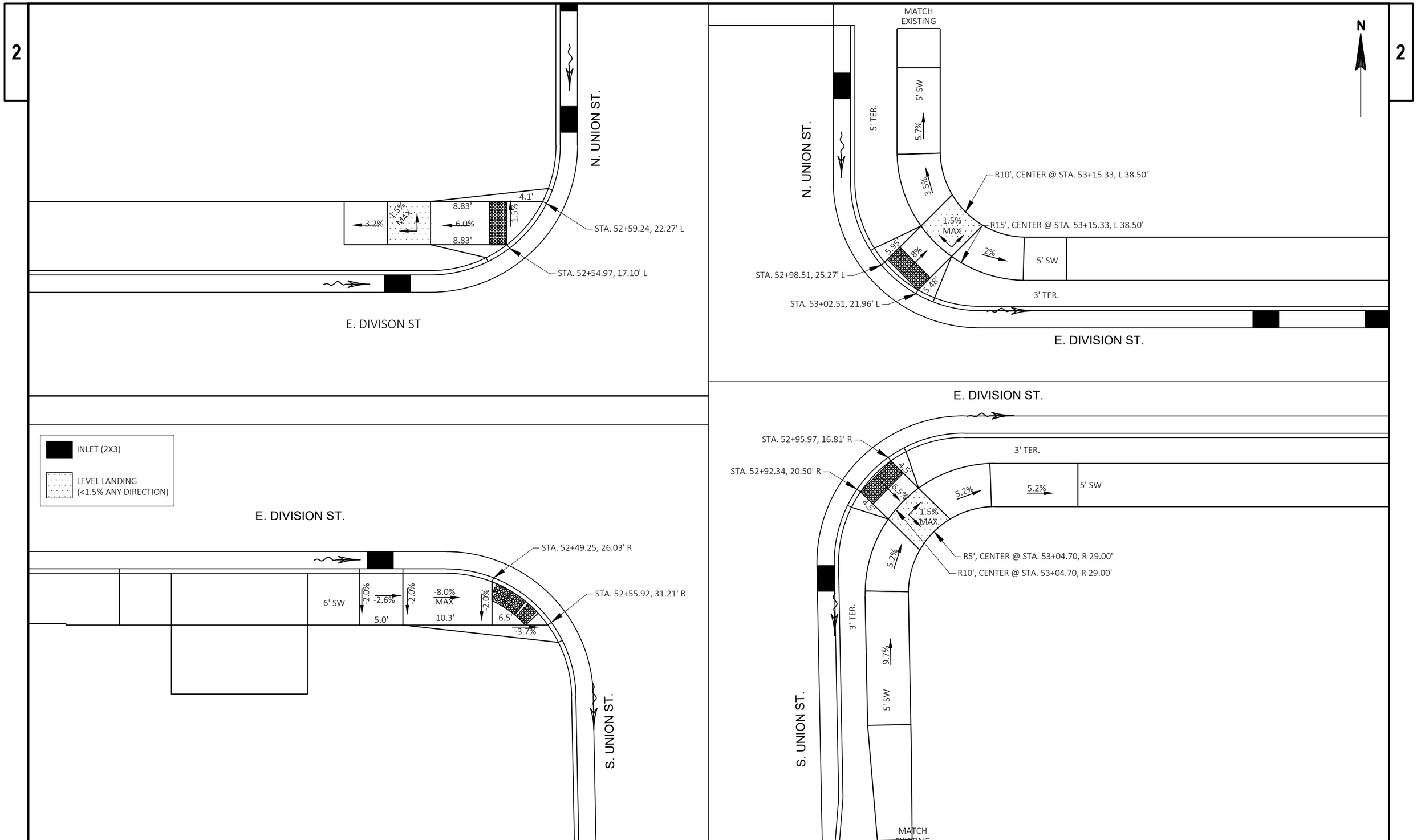




2

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 17	E

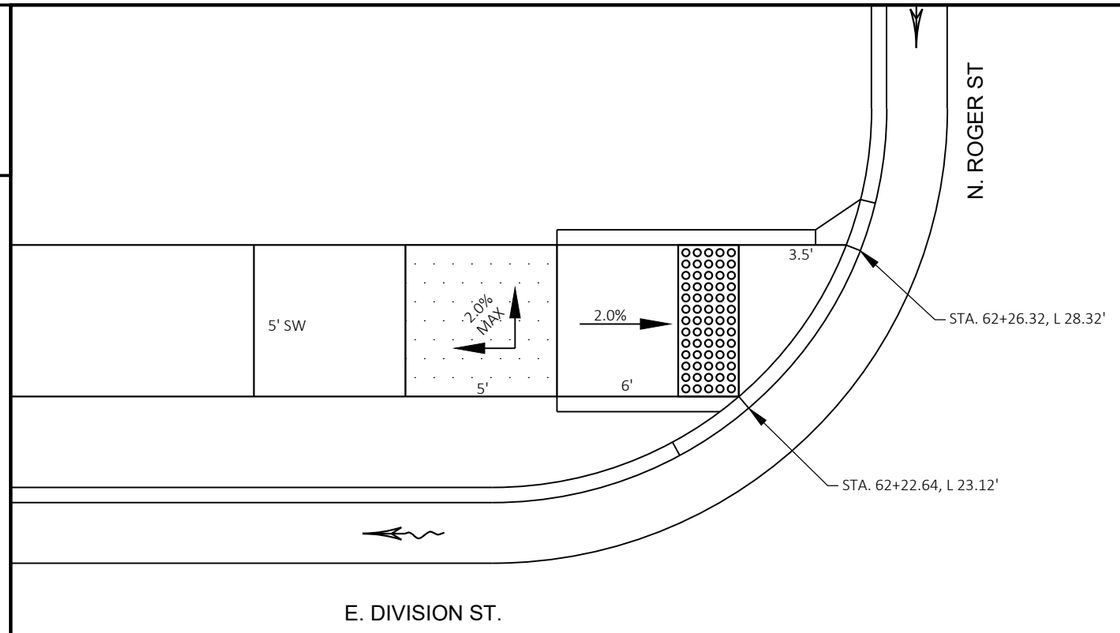
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd_Iowa Street
PLOT DATE : 1/30/2018 3:21 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

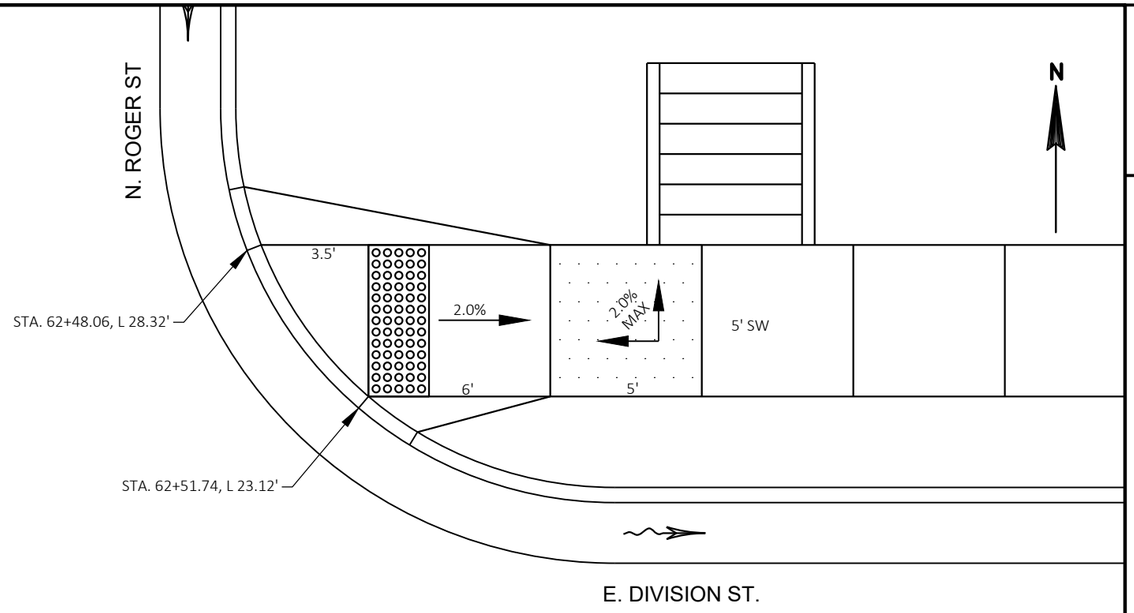


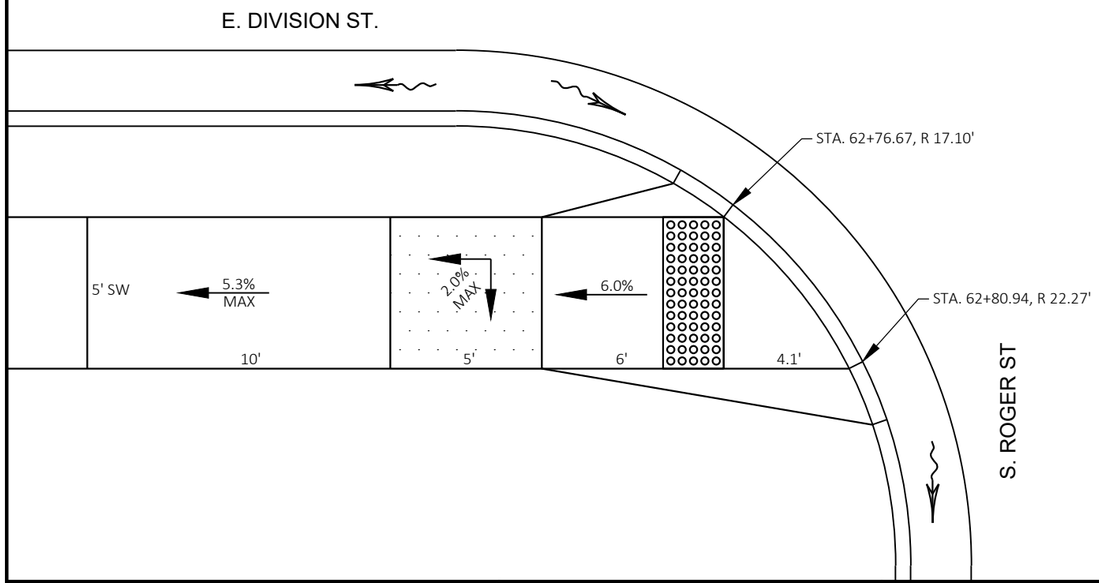
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 18	E

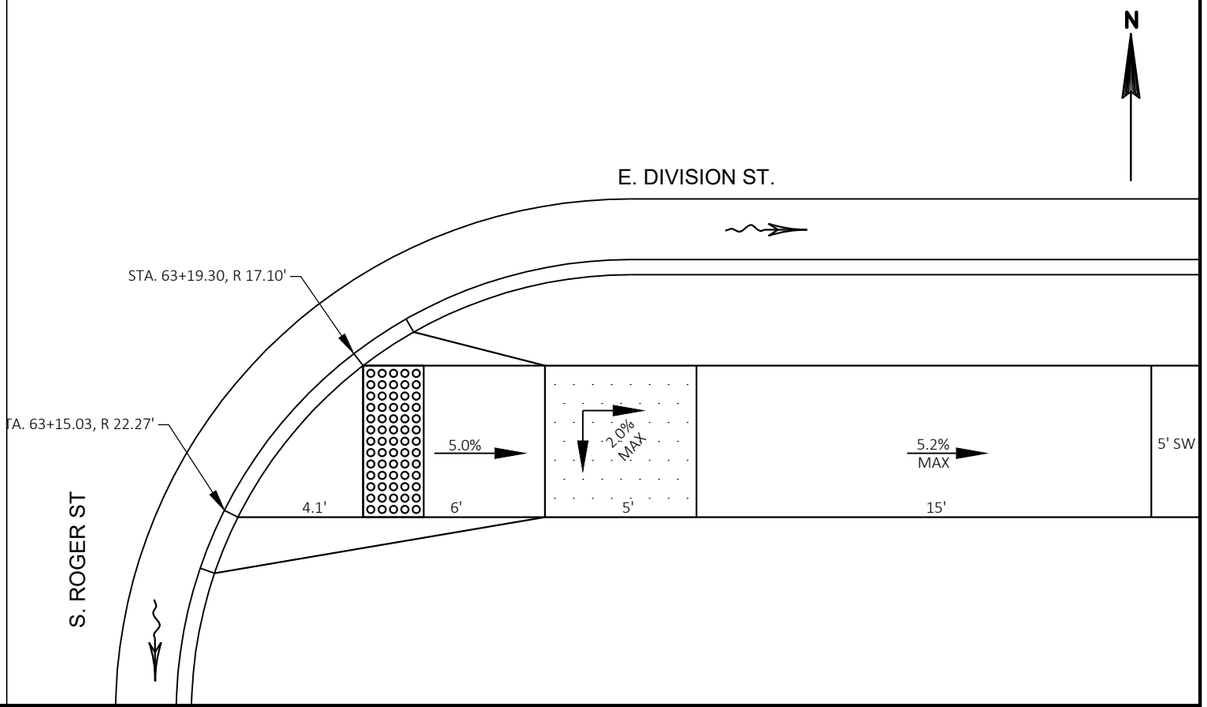
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd_Union Street
PLOT DATE : 1/30/2018 3:21 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



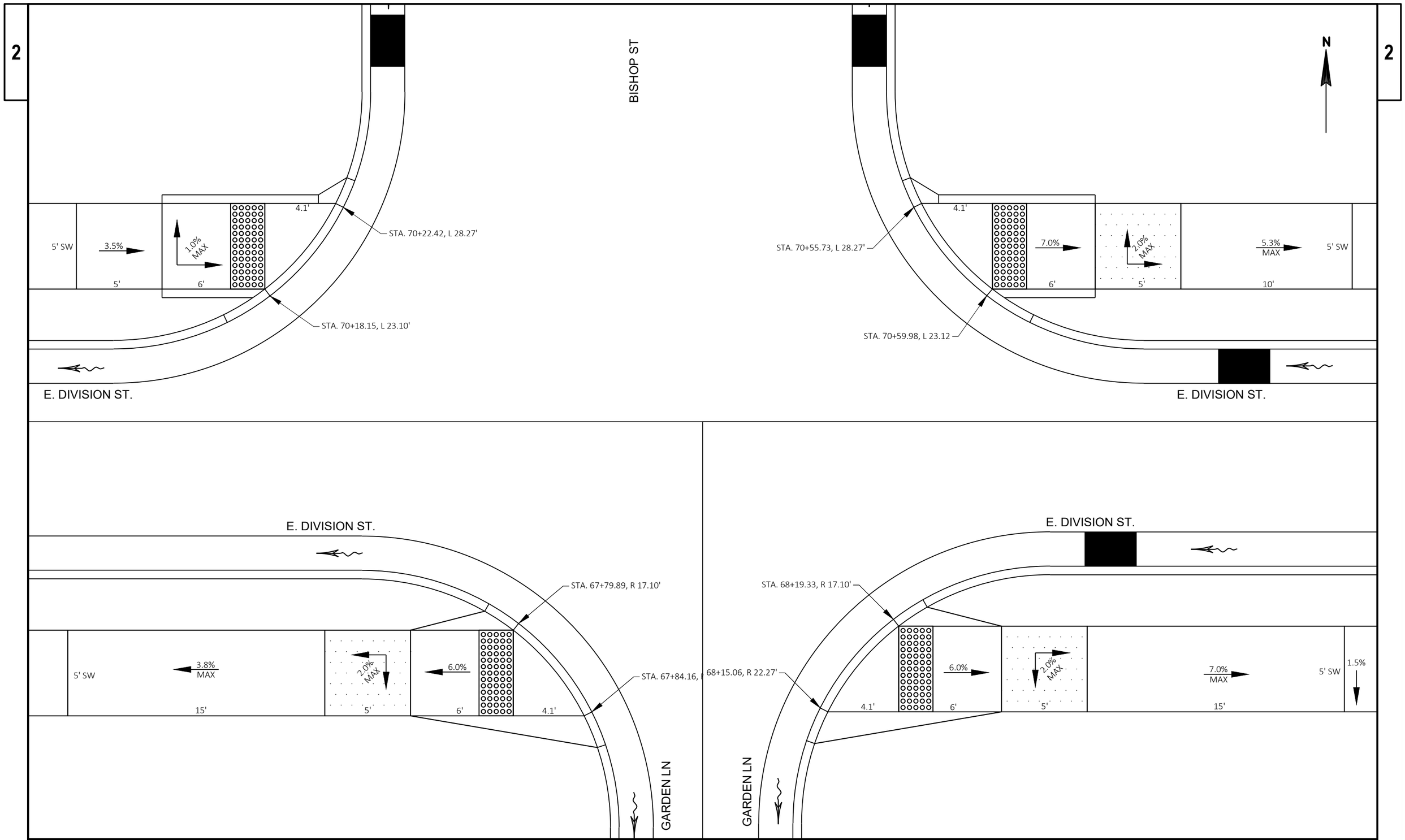






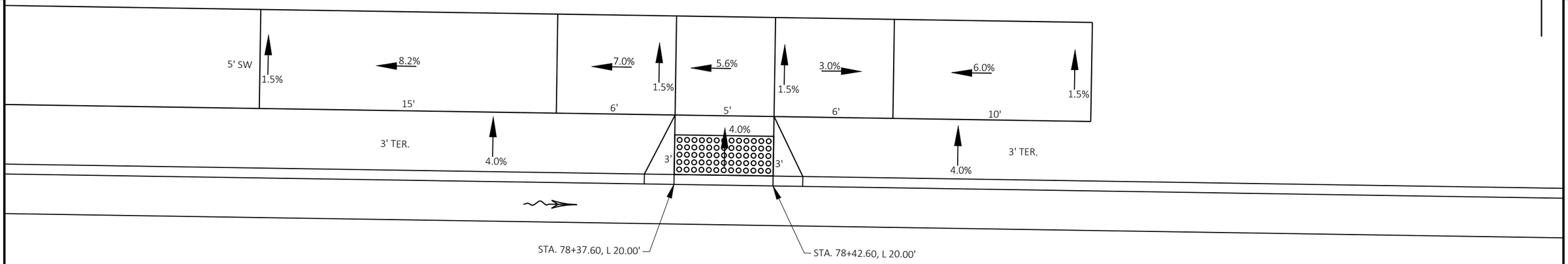
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 19	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd_Roger Street
PLOT DATE : 1/30/2018 3:21 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

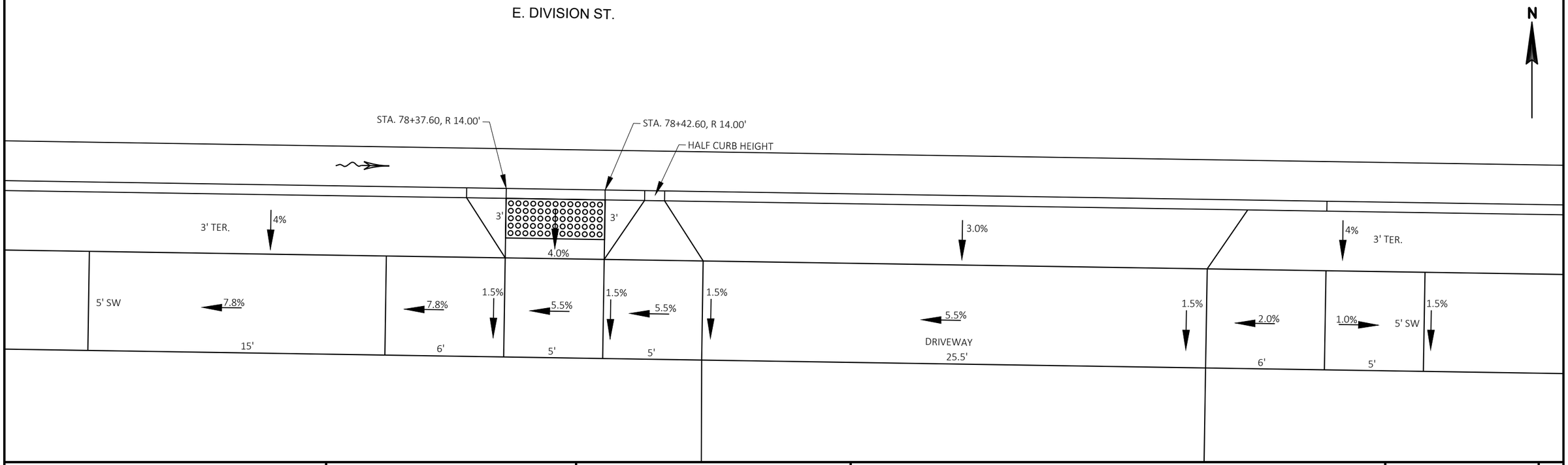


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 20	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd_Garden_Bishop
PLOT DATE : 1/30/2018 3:21 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

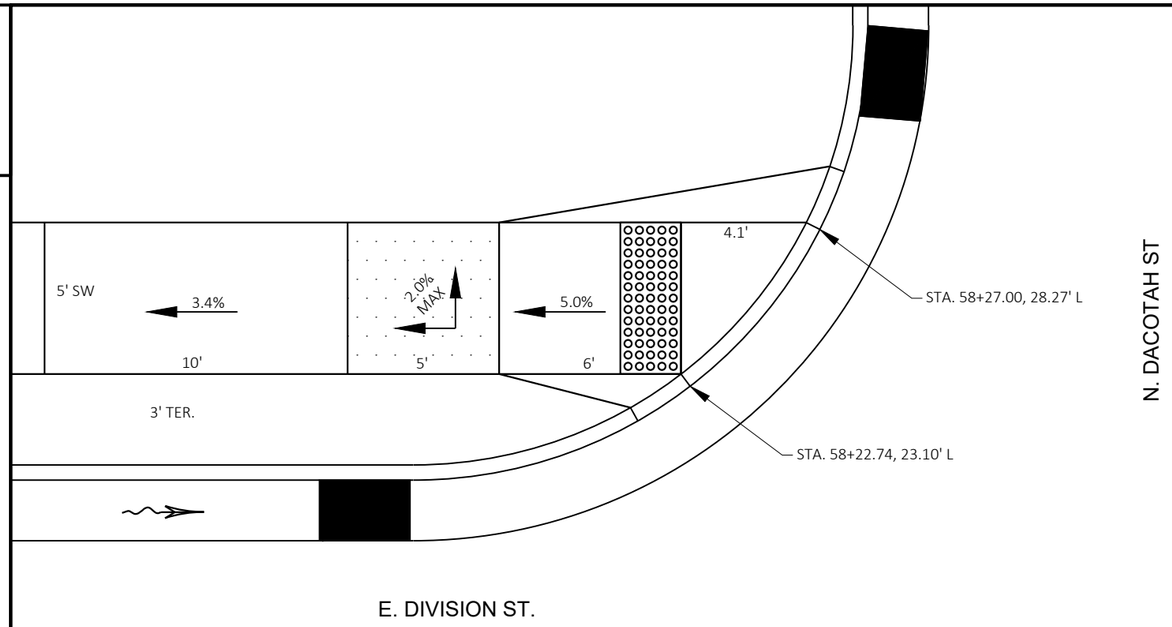


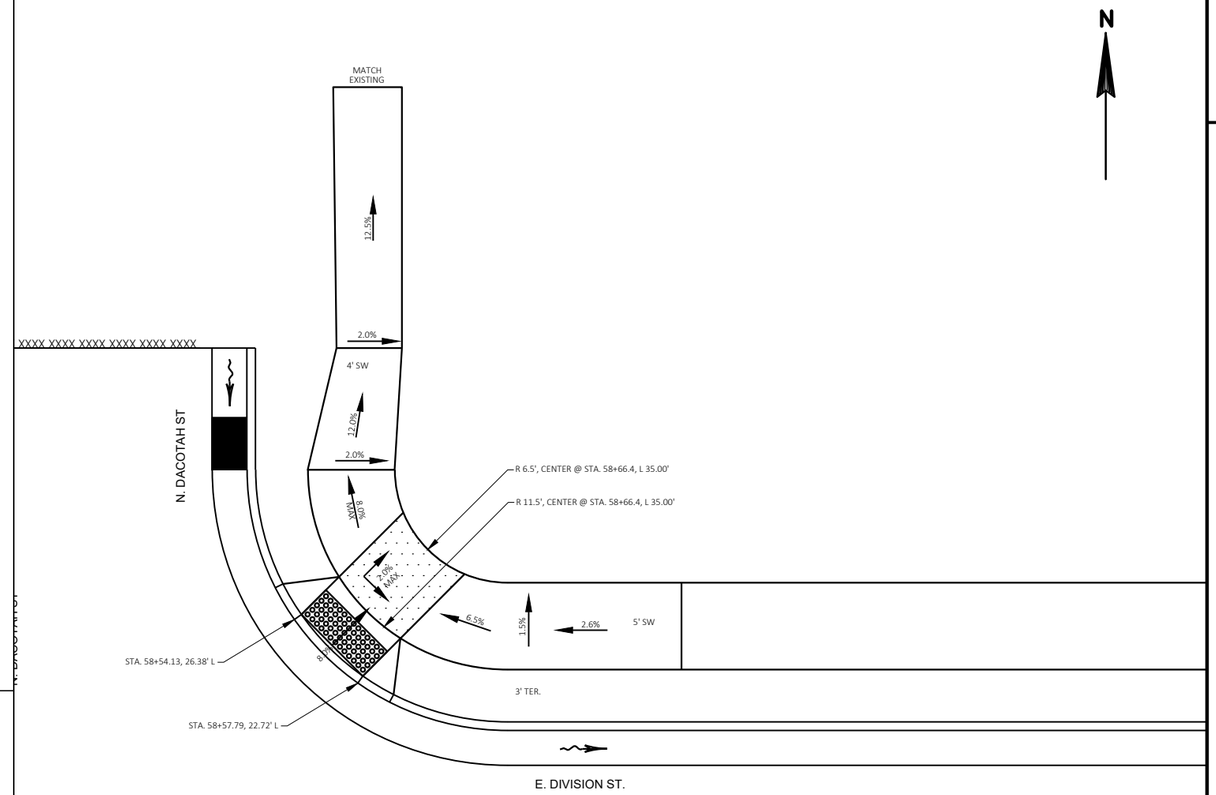
E. DIVISION ST.

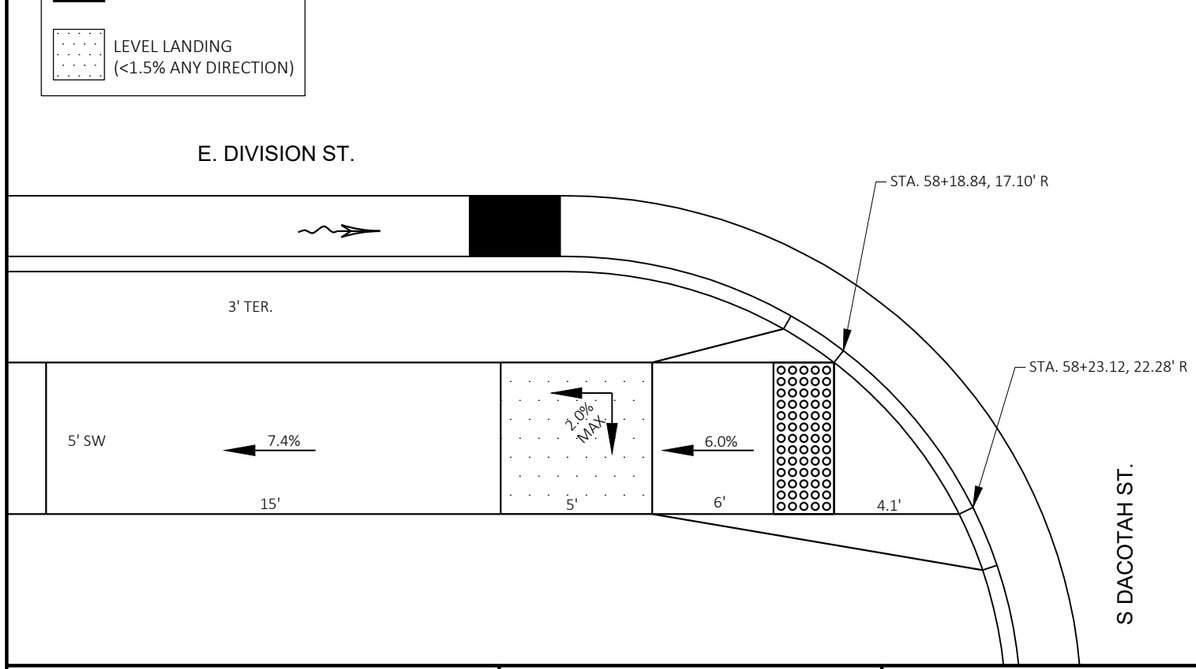


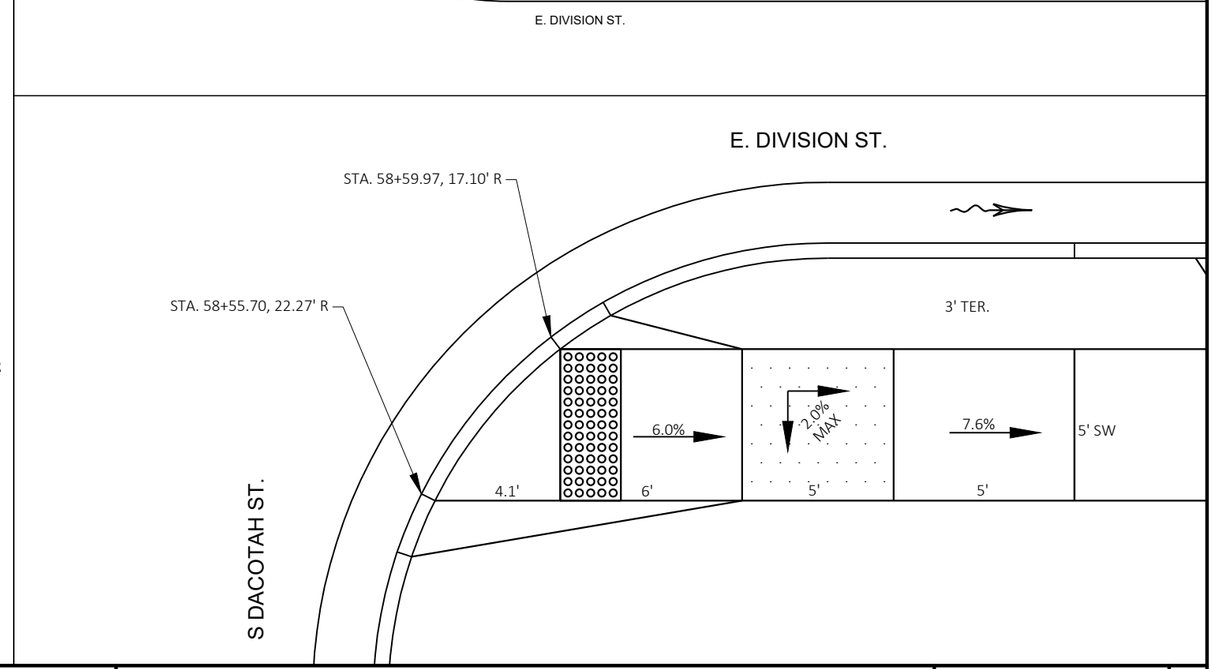
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 21	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd_Mid Block_DOD
PLOT DATE : 1/30/2018 3:21 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

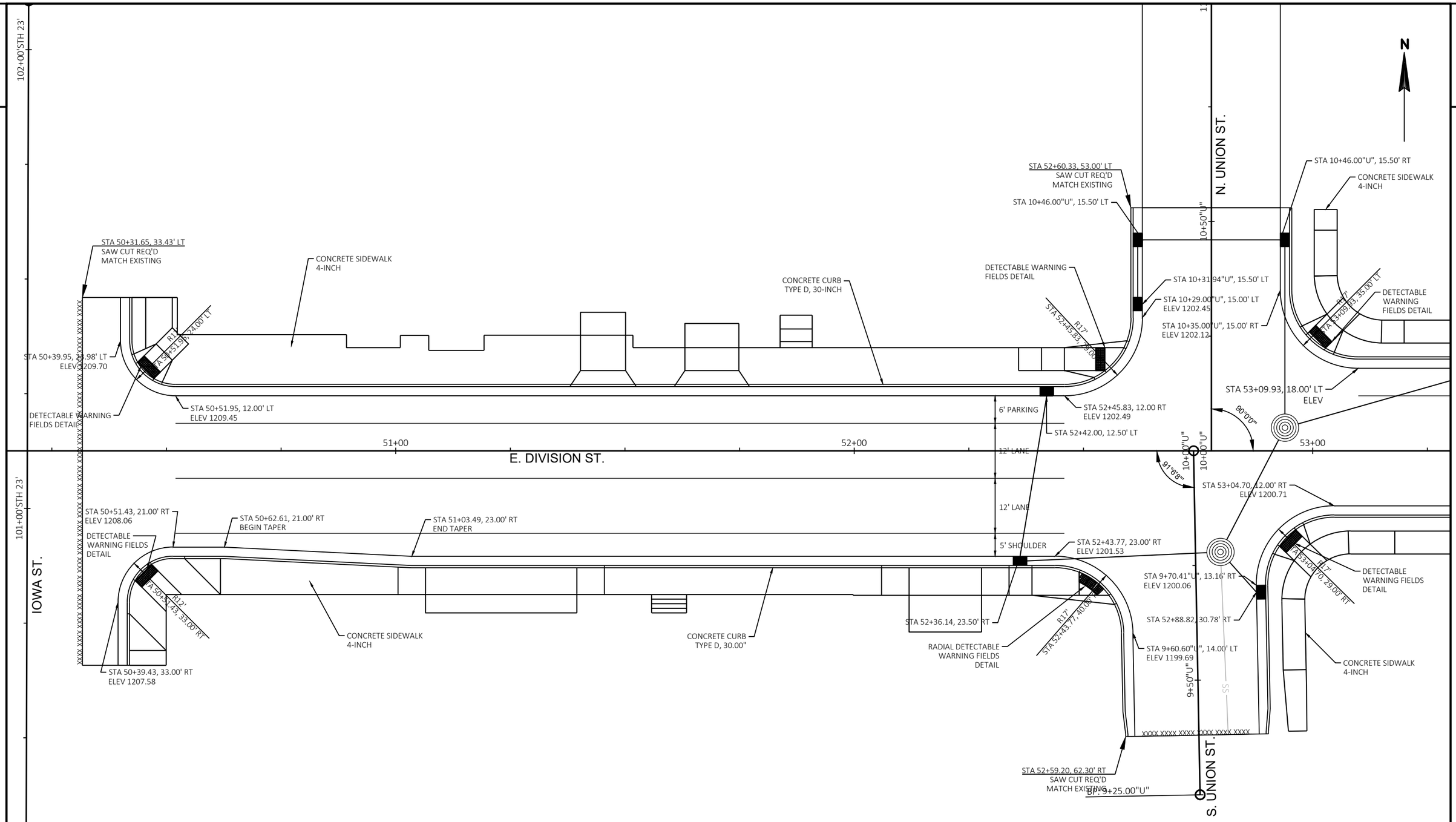








PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CURB RAMP DETAILS	SHEET 22	E



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 23	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101-ID 01

PLOT DATE : 1/30/2018 3:24 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

N

N. DACOTAH ST

10+50'D'

STA 58+28.10, 42.00' LT
SAW CUT REQ'D
MATCH EXISTING

CONCRETE SIDEWALK
4-INCH

STA 58+30.60, 35.00' LT
ELEV 1195.72

STA 58+49.40, 35.00' LT
ELEV 1195.86

XXXX XXXX XXXX XXXX

STA 10+36.50"D", 10' RT

STA 10+33.34"D", 10' LT

R17'

STA 58+13.60, 24.00' LT

R17'

STA 58+66.40, 35.00' LT

DETECTABLE WARNING
FIELDS DETAIL

DETECTABLE
WARNING FIELDS
DETAIL

CONCRETE SIDEWALK
4-INCH

STA 57+82.16, 18.50' LT

STA 58+12.16, 18.50' LT

STA 58+13.60, 18.00' LT
ELEV 1195.20

STA 58+66.40, 18.00' LT
ELEV 1194.62

STA 59+22.00, 18.50' LT

STA 59+42.00, 18.50' LT

STA 59+32.00, 18.50' LT

6' PARKING

12' LANE

90°00"

-00

58+00

59+00

60+00

E. DIVISION ST.

10+00'D'

10+00'D'

90°00"

STA 59+42.00, 13.50' RT

STA 58+08.06, 12.50' RT

STA 58+09.71, 12.00' RT
ELEV. 1194.36

DETECTABLE
WARNING FIELDS
DETAIL

DETECTABLE
WARNING FIELDS
DETAIL

STA 58+69.11, 12.00' RT
ELEV 1193.71

STA 59+32.00, 13.50' RT

STA 59+52.00, 13.50' RT

12' LANE

R17'

STA 58+09.71, 29.00' LT

R17'

STA 58+69.11, 29.00' RT

STA 9+71.00"D", 12.70' RT
ELEV 1192.78

XXXX XXXX XXXX XXXX XXXX XXXX

STA 9+71.00"D", 12.70' RT
ELEV 1192.72

CONCRETE CURB
TYPE D, 30-INCH

CONCRETE SIDEWALK
4-INCH

CONCRETE SIDEWALK
4-INCH

STA 58+24.21, 37.00' RT
SAW CUT REQ'D
MATCH EXISTING

S. DACOTAH ST

SS

SS

SS

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 24	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101-ID 02

PLOT DATE : 1/30/2018 3:24 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

N. ROGER ST

STA 62+26.69, 38.25' LT
SAW CUT REQ'D
MATCH EXISTING

STA 10+33.00"R", 8.00' LT
ELEV 1198.09

CONCRETE CURB PEDESTRIAN

DETECTABLE
WARNING FIELDS
DETAIL

CONCRETE SIDEWALK
4-INCH

STA 62+14.19, 23.00' LT

R15'

STA 10+33.00"R", 33.00' RT
ELEV 1198.08

XXXX XXXX XXXX XXXX XXXX

R15'

STA 62+60.19, 33.00' LT

CONCRETE SIDEWALK
4-INCH

6' PARKING

12' LANE

STA 62+14.19, 18.00' LT
ELEV 1196.46

DETECTABLE
WARNING FIELDS
DETAIL

STA 62+60.19, 18.00' LT
ELEV 1196.83

6' PARKING

12' LANE

62+00

63+00

64+00

E. DIVISION ST.

90°00'00"

10+00"R"

10+00"R"

90°00'00"

12' LANE

12' LANE

STA 62+67.53, 12.00' RT
ELEV 1195.87

DETECTABLE
WARNING FIELDS
DETAIL

DETECTABLE
WARNING FIELDS
DETAIL

STA 63+28.44, 12.00' RT
ELEV 1196.15

R17'

STA 62+67.53, 29.00' RT

R17'

STA 63+28.44, 29.00' RT

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB
TYPE D, 30-INCH

STA 9+71.00"R", 13.50' LT
ELEV 1194.55

XXXX XXXX XXXX XXXX XXXX XXXX

STA 9+71.00"R", 13.50' RT
ELEV 1194.37

CONCRETE SIDEWALK
4-INCH

STA 62+82.03, 37.00' RT
SAW CUT REQ'D
MATCH EXISTING

9+50"R"

S. ROGER ST

SS

SS

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 25	E

2

2

N

CONCRETE SIDEWALK
4-INCH

STA 66+40.00, 18.50' LT

6' PARKING

12' LANE

STA 67+42.00, 18.50' LT

66+00

67+00

68+00

69+00

E. DIVISION ST.

STA 66+40.00, 12.50' LT

12' LANE

STA 67+70.75, 12.00' RT
ELEV 1197.83

10+00"G"

90°0'0"

STA 68+28.47, 12.00' RT
ELEV 1198.60

STA 68+32.00, 12.50' RT

DETECTABLE
WARNING FIELDS
DETAIL

R17'

STA 67+70.75, 25.00' RT

R17'

STA 68+28.47, 29.00' RT

DETECTABLE
WARNING FIELDS
DETAIL

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB
TYPE D, 30-INCH

STA 9+71.00"G", 11.86' LT
ELEV 1196.41

XXXX XXXX XXXX XXXX XXXX

STA 9+71.00"G", 11.86' RT
ELEV 1196.58

STA 67+85.25, 37.00' RT
SAW CUT REQ'D
MATCH EXISTING

CONCRETE SIDEWALK
4-INCH

9+50"G"

GARDEN LN

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 26	E

2

N

BISHOP ST

STA 70+23.51, 43.00' LT
SAW CUT REQ'D
MATCH EXISTING

10+50"B"

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB PEDESTRIAN

XXXX XXXX XXXX XXXX XXXX XXXX

STA 10+38"B", 13.50' LT

STA 10+38"B", 13.50' RT

STA 10+35.00"B", 13.00' RT
ELEV 1205.73

CONCRETE CURB PEDESTRIAN

CONCRETE SIDEWALK
4-INCH

STA 70+09.01, 15.00' LT
R17'

STA 10+35.00"B", 13.00' LT
ELEV 1205.24

DETECTABLE
WARNING FIELDS
DETAIL

STA 70+69.14, 35.00' LT
R17'

DETECTABLE
WARNING FIELDS
DETAIL

STA 70+09.01, 18.00' LT
ELEV 1203.53

STA 70+75.16, 18.50' LT

STA 70+69.14, 18.00' LT
ELEV 1205.38

6' PARKING

12' LANE

90°0'0"

6' PARKING

12' LANE

70+00

71+00

72+00

E. DIVISION ST.

10+00"B"

12' LANE

12' LANE

STA 69+48.28, 12.50' RT

STA 69+56.29, 12.50' RT

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB
TYPE D, 30-INCH

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 27	E

FILE NAME : N:\PDS\C3D\595304O1\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101-ID 05

PLOT DATE : 1/30/2018 3:24 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

PT: 11+26.37

"Q"

STA 10+96.00"Q"
SAW CUT REQ'D
MATCH EXISTING

14' LANE

14' LANE

QUARRY ST

STA 10+57.61"Q", 14.00' LT
ELEV 1159.68

STA 10+57.60"Q", 14.00' RT
ELEV 1159.27

R99'
STA 83+20.40, 31.89' LT

END SECTION CURB
& GUTTER

10+50"Q"

STA 10+40.75"Q", 14.00' RT
ELEV 1159.85

END SECTION CURB
& GUTTER

R27'
STA 83+62.40, 45.00' LT

PC: 10+31.89"Q"

R27'
STA 84+45.72, 45.00' LT

6' PARKING

STA 83+58.00, 18.50' LT

STA 83+62.40, 18.00' LT
ELEV 1162.74

STA 84+45.72, 18.00' LT
ELEV 1159.33

6' SHOULDER

12' LANE

90°0'0"

12' LANE

83+00

84+00

85+00

E. DIVISION ST.

12' LANE

STA 83+58.00, 12.50' RT

STA 83+60.32, 12.00' RT
ELEV 1162.95

10+00"Q"

90°0'0"

STA 84+50.48, 12.00' RT
ELEV 1159.27

12' LANE

CONCRETE CURB
TYPE D, 30-INCH

CONCRETE SIDEWALK
4-INCH

RADIAL DETECTABLE
WARNING FIELDS
DETAIL

R27'
STA 83+60.32, 39.00' RT

R27'
STA 84+50.48, 39.00' RT

STA 9+61.00, 18.00' LT
ELEV 1162.51

18' LANE

18' LANE

STA 9+61.00"Q", 18.00' RT
ELEV 1161.84

PT: 9+49.29"Q"

9+50"Q"

STA 9+52.51"Q", 18.00' LT

DIAMOND OAKS DRIVE

R118'
STA 85+05.40, 50.71' RT

R82'
STA 85+05.40, 50.71' RT

PC: 9+20.78"Q"

STA 9+19.00"Q"
SAW CUT REQ'D
MATCH EXISTING

BP: 9+14.67"Q"

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	INTERSECTION DETAILS	SHEET 28	E

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.

LEGEND

- INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
- EROSION MAT URBAN CLASS I TYPE A
- MEDIUM RIPRAP
- SILT FENCE
- DITCH CHECK

N

102+00"STH 23"

101+00"STH 23"

11+00"U"

10+00"U"

10+00"U"

IOWA STREET

E. DIVISION

S. UNION

50+00 51+00 52+00 53+00 54+00 55+00

MH

PLACE TYPE C INLET PROTECTION ON NE INLET OF INTERSECTION OF IOWA/FOUNTAIN

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 29	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_01

PLOT DATE : 2/26/2018 2:58 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.

N

N. DACOTAH

S. DACOTAH

E. DIVISION

E. DIVISION

56+00 57+00 58+00 59+00 60+00 61+00

TYPE D

XXXX XXXX

XXXX XXXX

MH MH MH MH

LEGEND

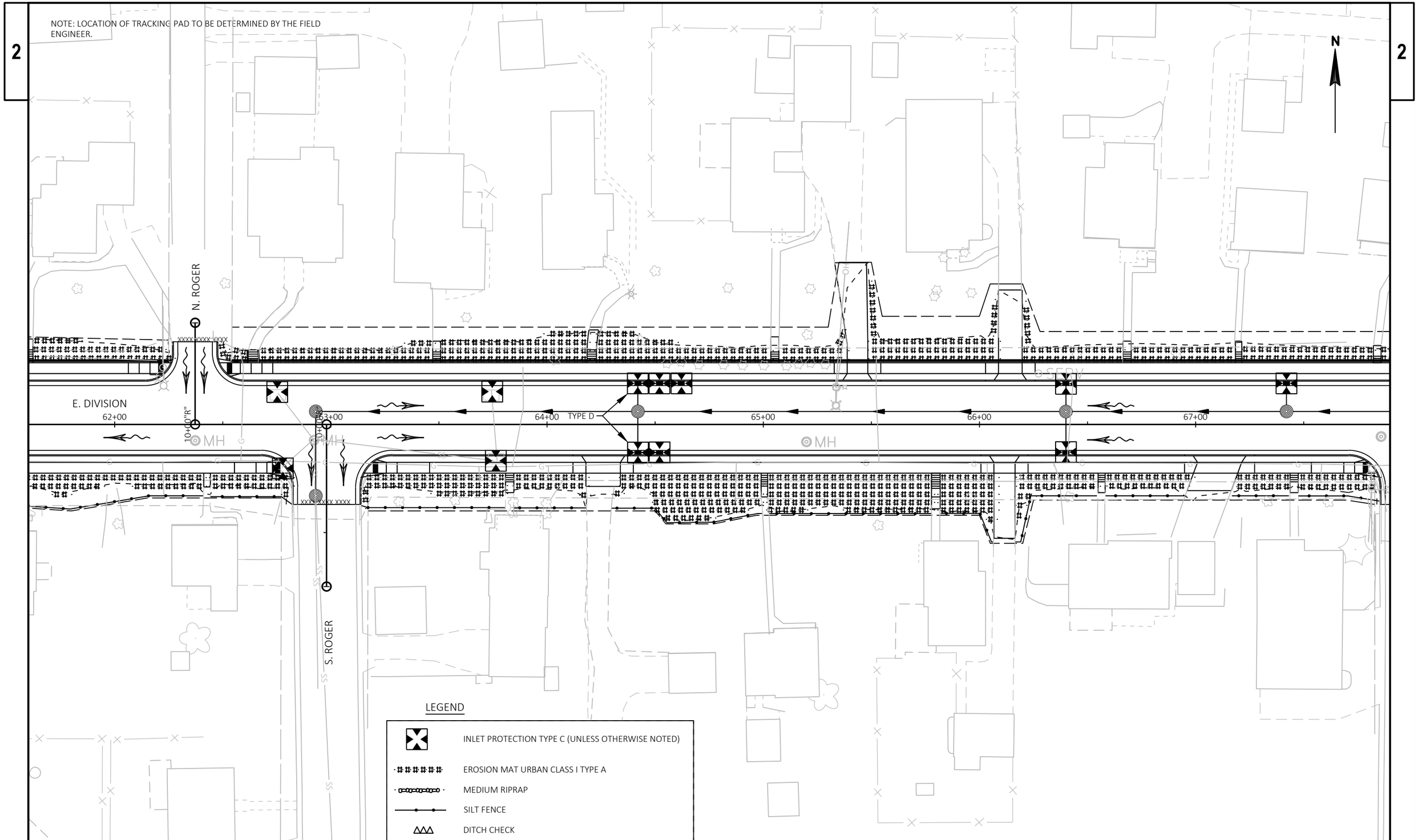
	INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	MEDIUM RIPRAP
	SILT FENCE
	DITCH CHECK

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 30 E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_02

PLOT DATE : 2/26/2018 2:59 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:40 FT

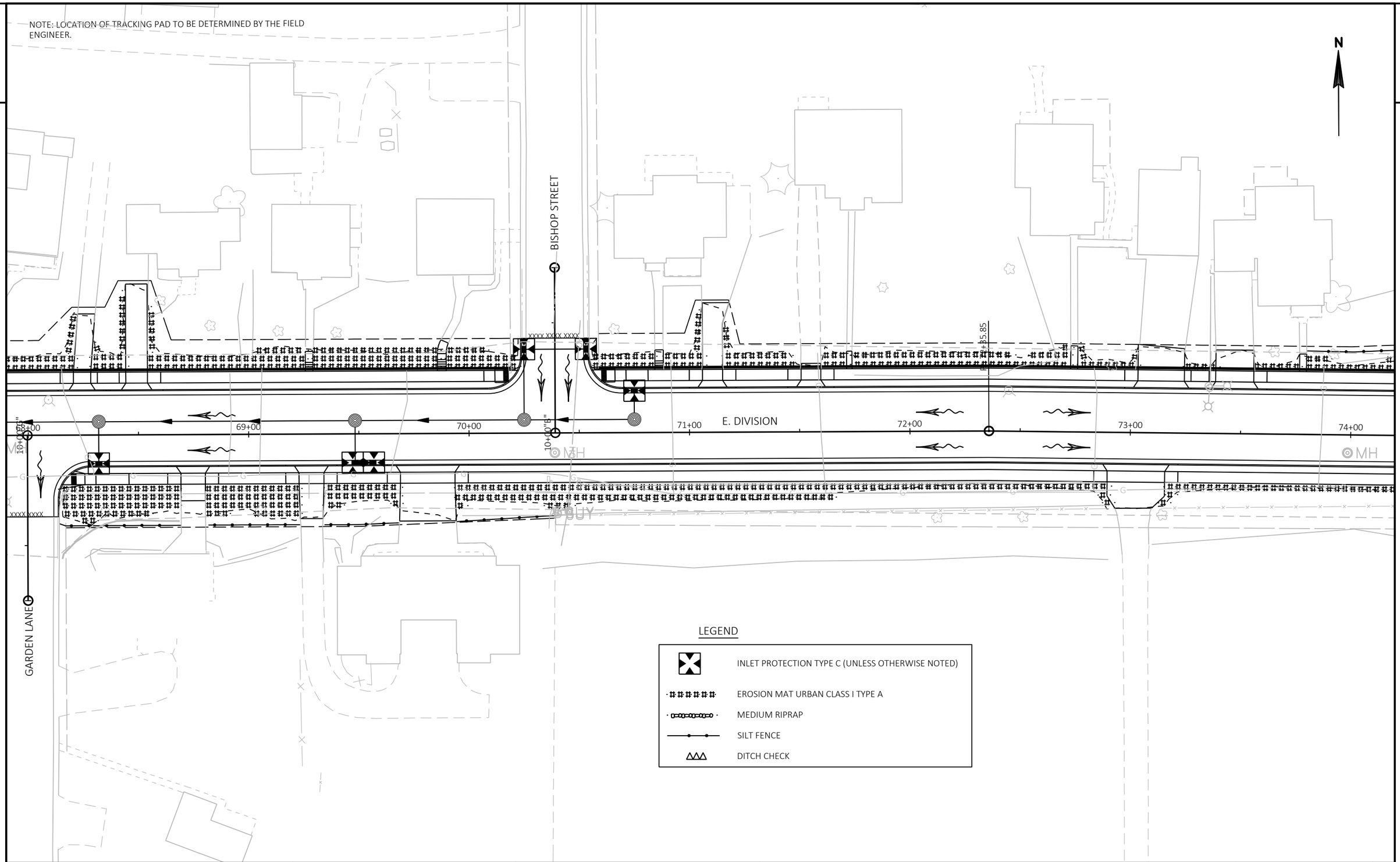
WISDOT/CADDS SHEET 42



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 31	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_03
PLOT DATE : 2/26/2018 2:59 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.



LEGEND

- INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
- EROSION MAT URBAN CLASS I TYPE A
- MEDIUM RIPRAP
- SILT FENCE
- DITCH CHECK

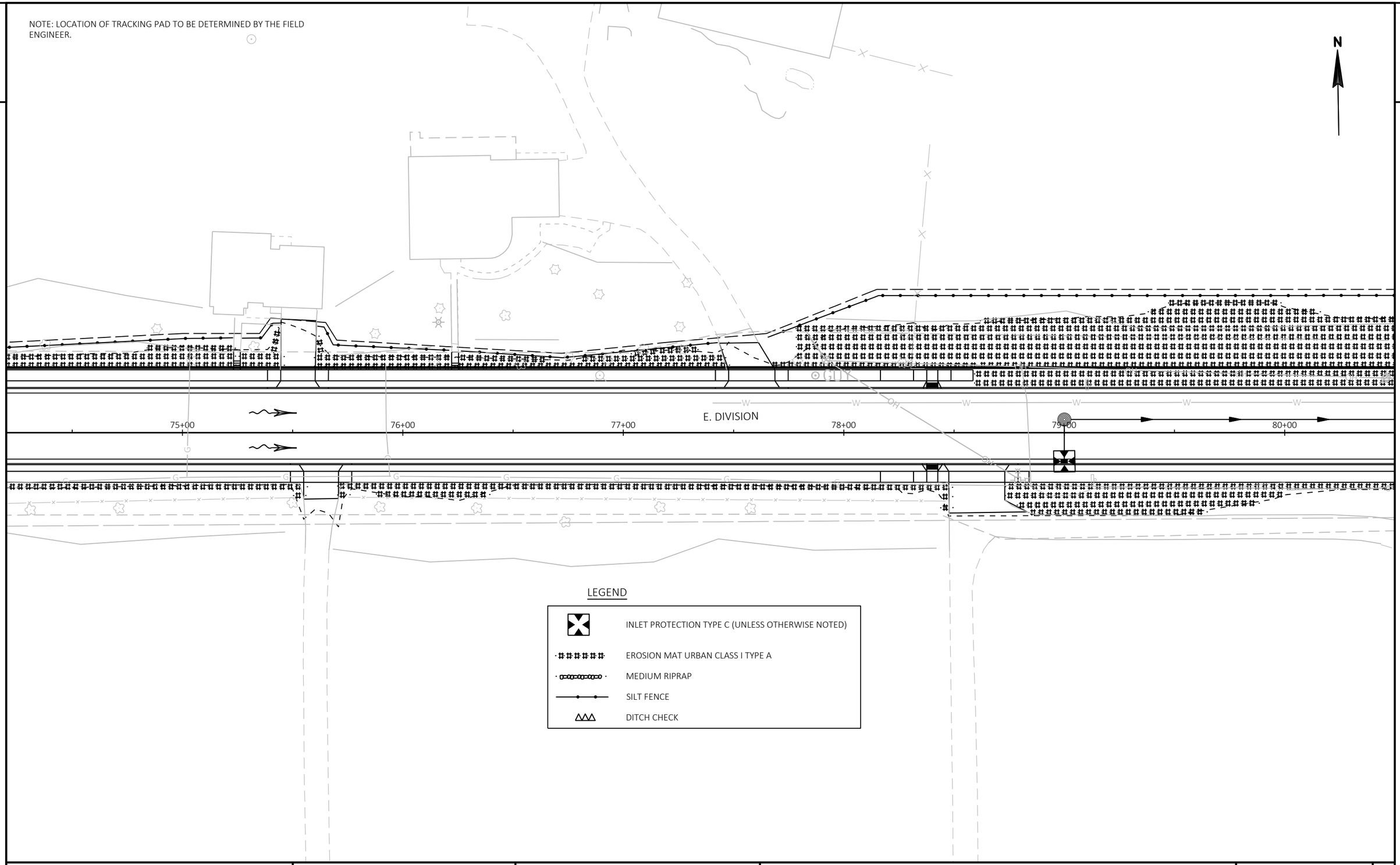
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 32	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_04

PLOT DATE : 2/26/2018 2:59 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.



LEGEND

	INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
	EROSION MAT URBAN CLASS I TYPE A
	MEDIUM RIPRAP
	SILT FENCE
	DITCH CHECK

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 33	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_05
PLOT DATE : 2/26/2018 2:59 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.

QUARRY STREET

DIAMOND OAKS DRIVE

PT: 9+49.29

PC: 9+20.78

11+26.37

10+00 "Q"

81+00 82+00 83+00 84+00 85+00 86+00

E. DIVISION

LEGEND

- INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
- EROSION MAT URBAN CLASS I TYPE A
- MEDIUM RIPRAP
- SILT FENCE
- DITCH CHECK

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 34	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_06

PLOT DATE : 2/26/2018 2:59 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:40 FT

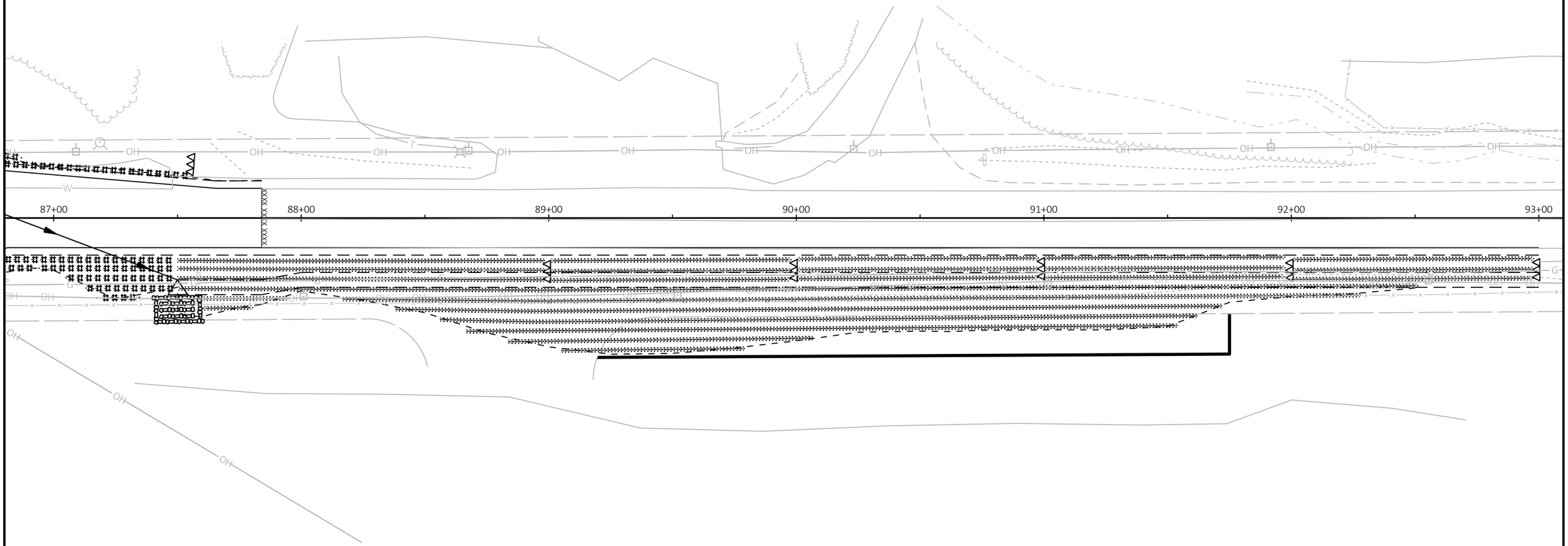
WISDOT/CADDS SHEET 42

NOTE: LOCATION OF TRACKING PAD TO BE DETERMINED BY THE FIELD ENGINEER.

LEGEND

- INLET PROTECTION TYPE C (UNLESS OTHERWISE NOTED)
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE A
- MEDIUM RIPRAP
- SILT FENCE
- DITCH CHECK

N

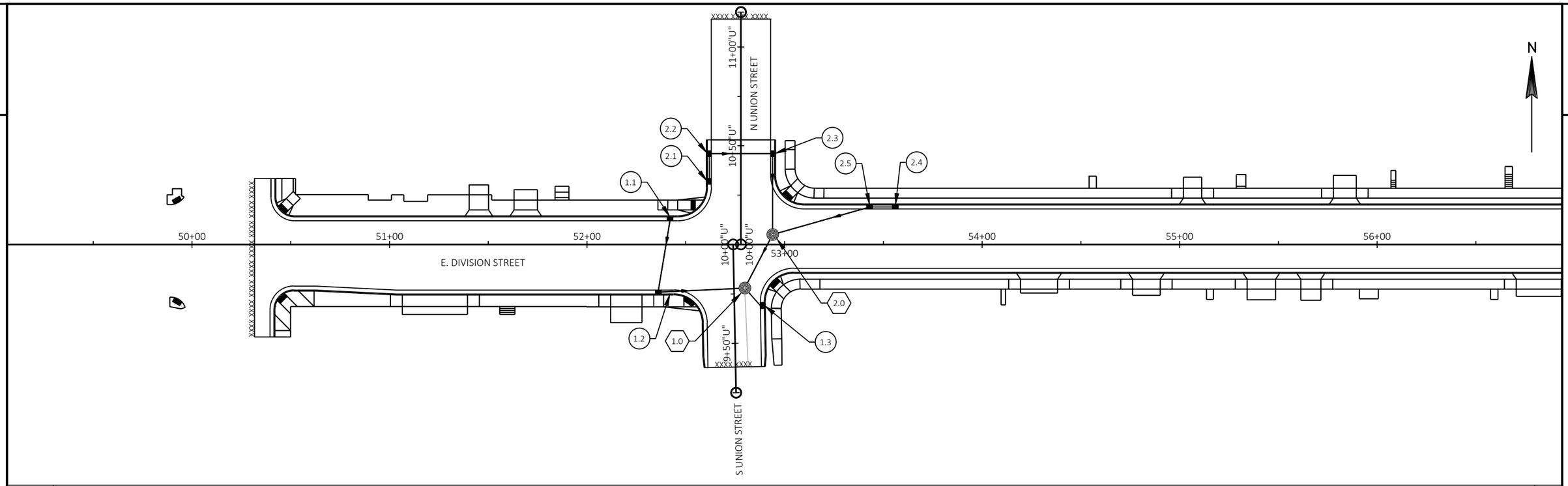


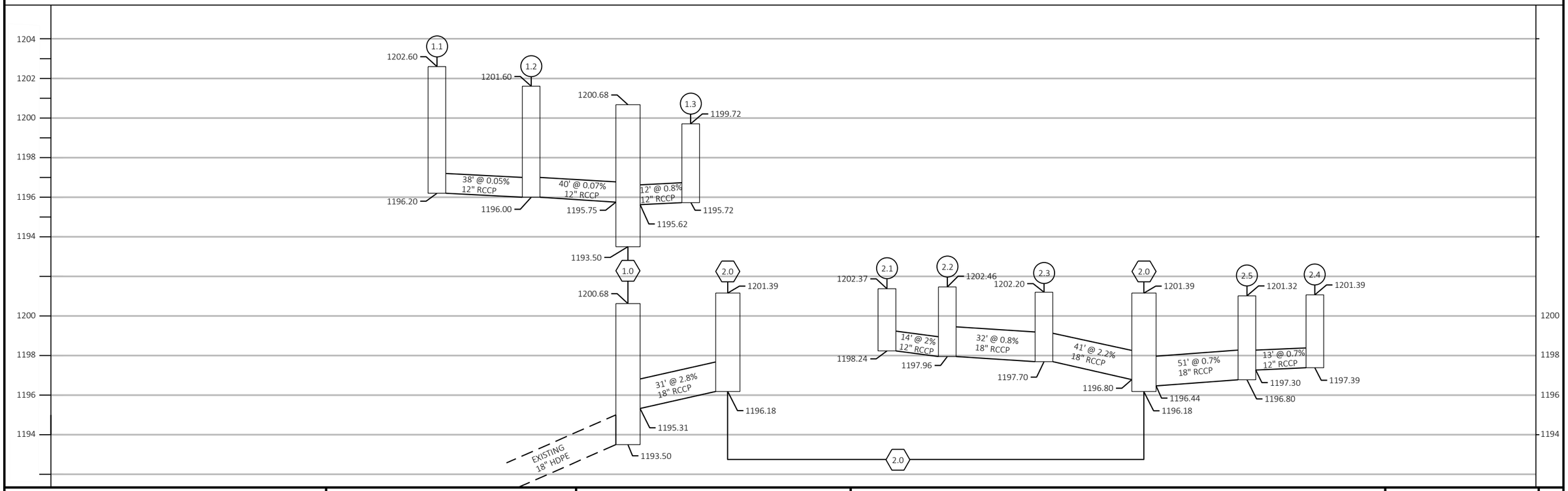
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	EROSION CONTROL PLAN	SHEET 35	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec_07

PLOT DATE : 2/26/2018 2:59 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42





PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 36	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - UNION

PLOT DATE : 1/30/2018 3:42 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

N

N DACOTAH STREET

N ROGER STREET

S DACOTAH STREET

E. DIVISION STREET

55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00

10+50"D" 10+00"D" 10+00"D" 10+00"R"

3.0 3.1 3.2 3.3 3.4 3.5 4.0 5.0 5.1 5.2 5.3 5.4 5.5 5.6

1196 1194 1192 1190 1188 1186

1195.97 1195.74 1195.22 1194.87 1194.38 1190.63 1190.53 1189.87 1191.97 1191.64 1191.22 1191.12

21' @ 1.7% 12" RCCP

24' @ 1.8% 12" RCCP

13' @ 0.8% 12" RCCP

19' @ 0.6% 12" RCCP

1195.52 1194.87 1191.52 1190.88 1189.87 1189.77

32' @ 2% 12" RCCP

27' @ 0.4% 24" RCCP

1194.54 1188.80

40' @ 1.8% 24" RCCP

1192.64 1188.10 1186.68

EXISTING 15" RCCP

93' @ 0.5% 24" RCCP

1194.08 1194.07 1194.01 1194.07 1194.08 1190.50 1190.40 1189.50 1189.35 1189.26 1189.50 1189.90 1190.00

10' @ 1.0% 12" RCCP

13' @ 1.3% 15" RCCP

10' @ 1.0% 12" RCCP

1194.01 1193.47 1193.47 1193.49 1189.26 1189.75 1189.65 1190.03 1190.13 1190.23

19' @ 0.6% 15" RCCP

10' @ 1% 12" RCCP

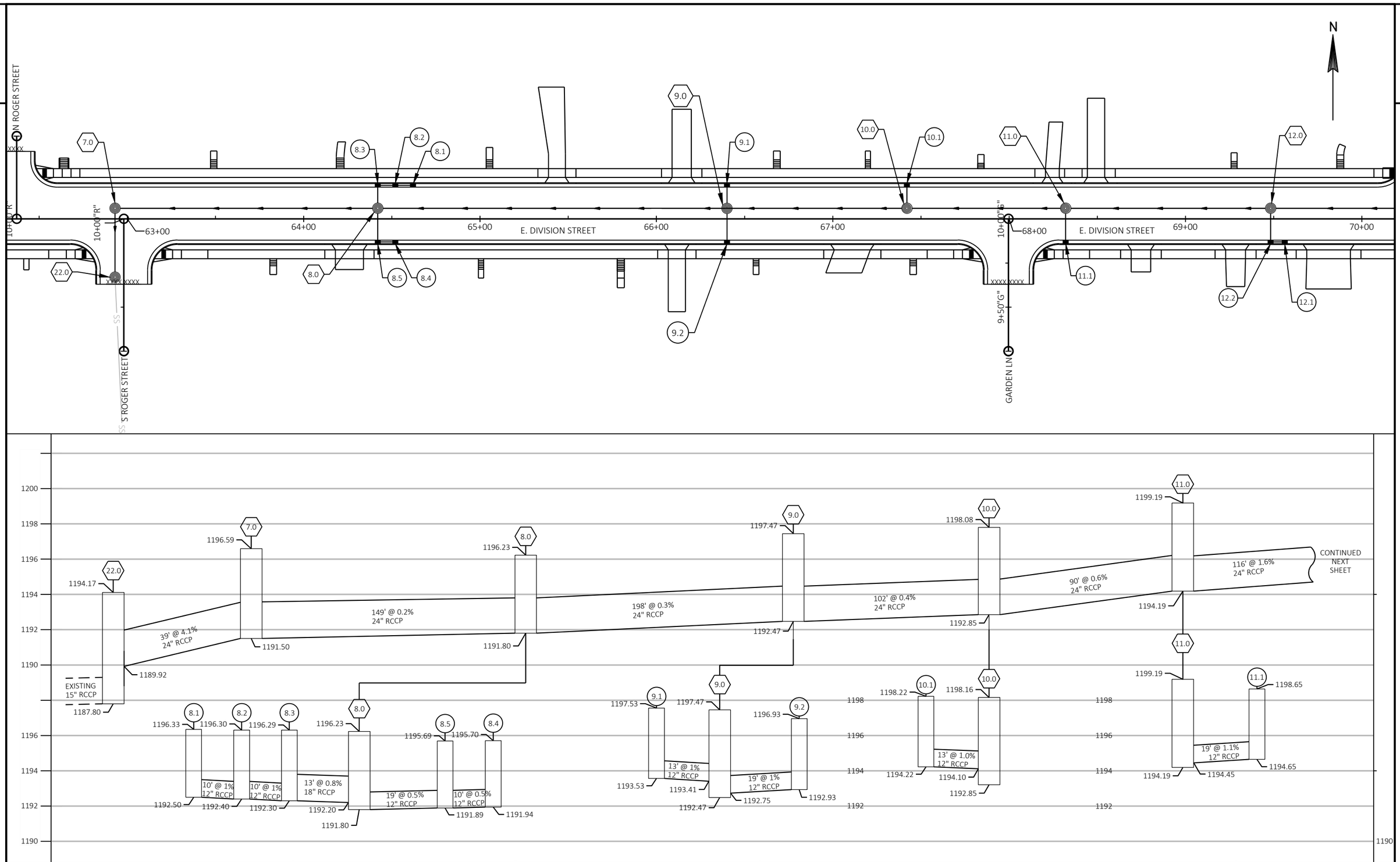
10' @ 1% 12" RCCP

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 37	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - DACOTAH

PLOT DATE : 1/30/2018 3:42 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

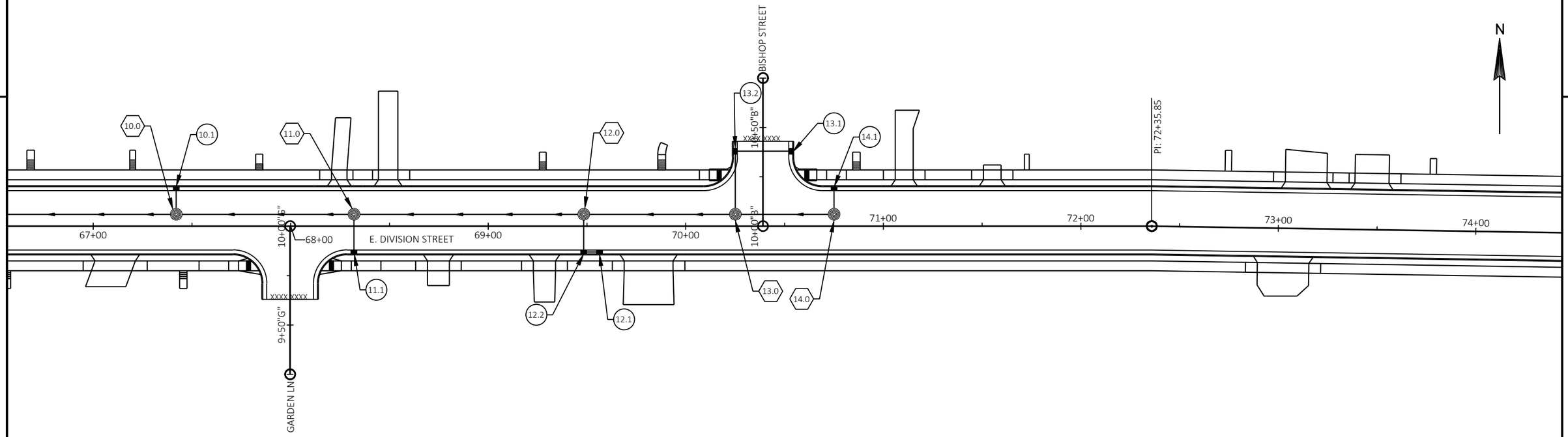


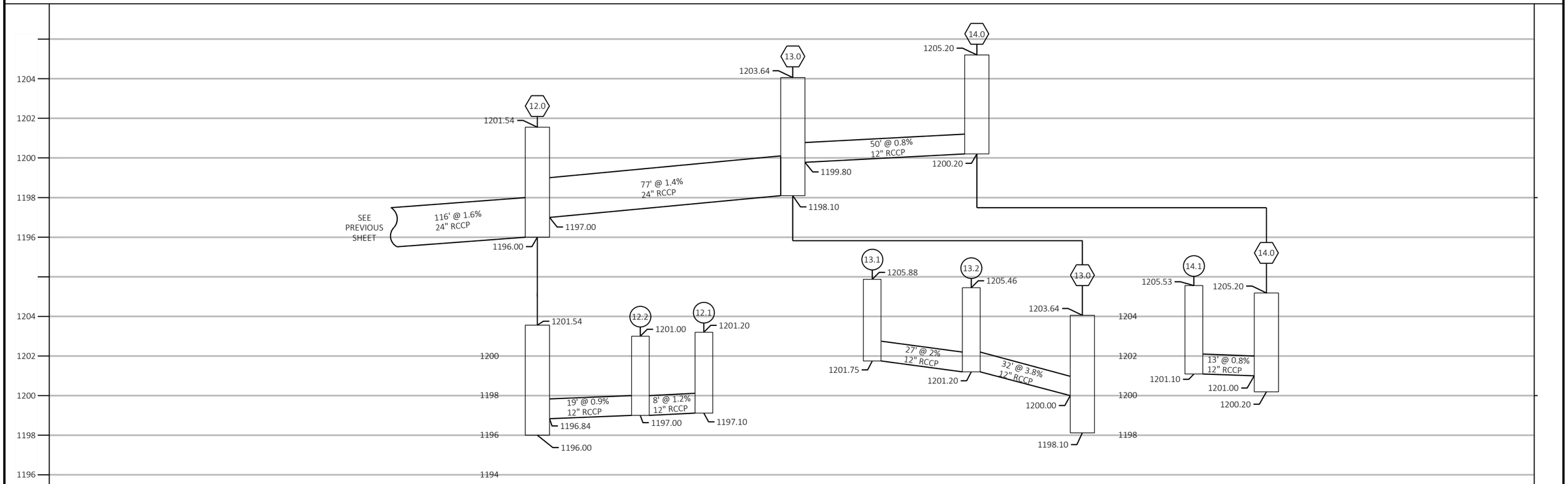
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 38	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - ROGER1

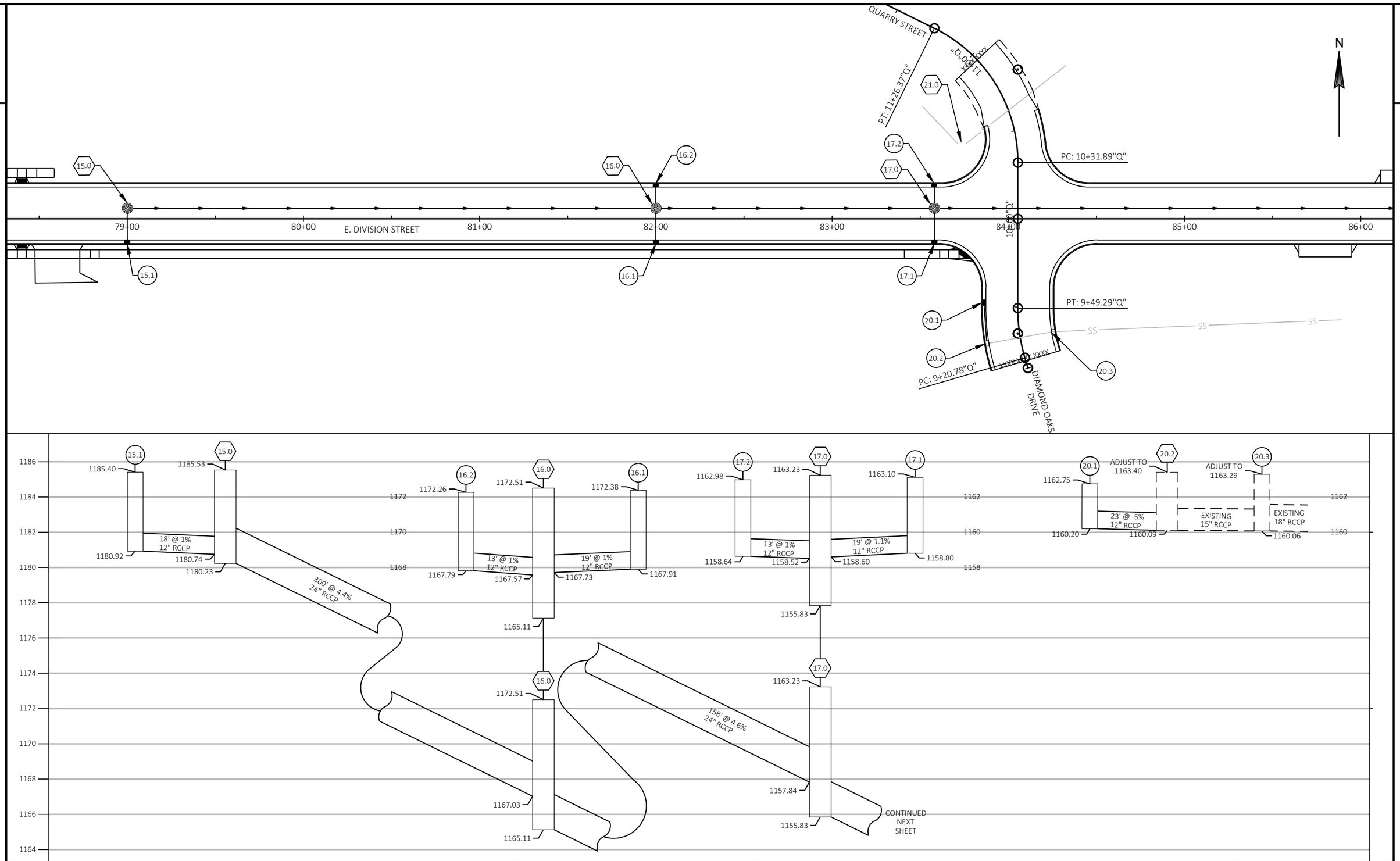
PLOT DATE : 1/30/2018 3:42 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2





PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 39	E

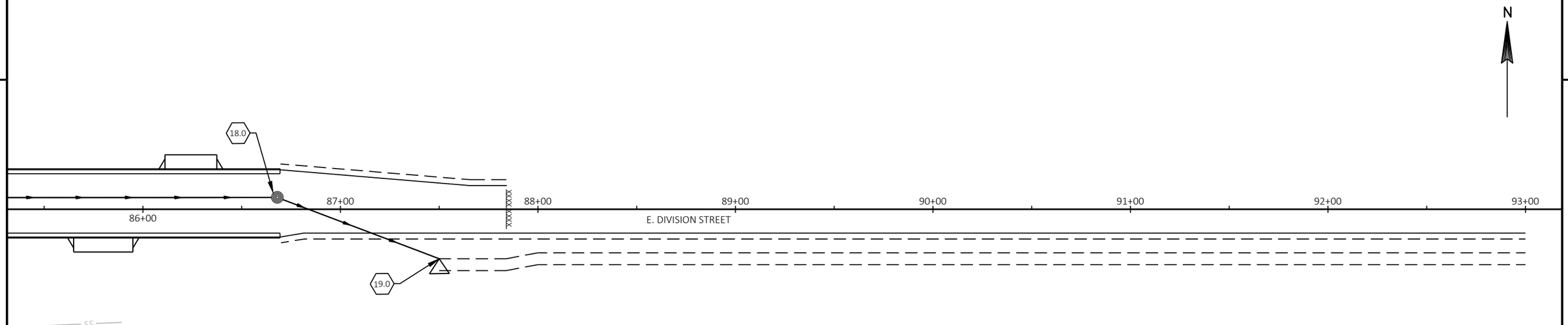


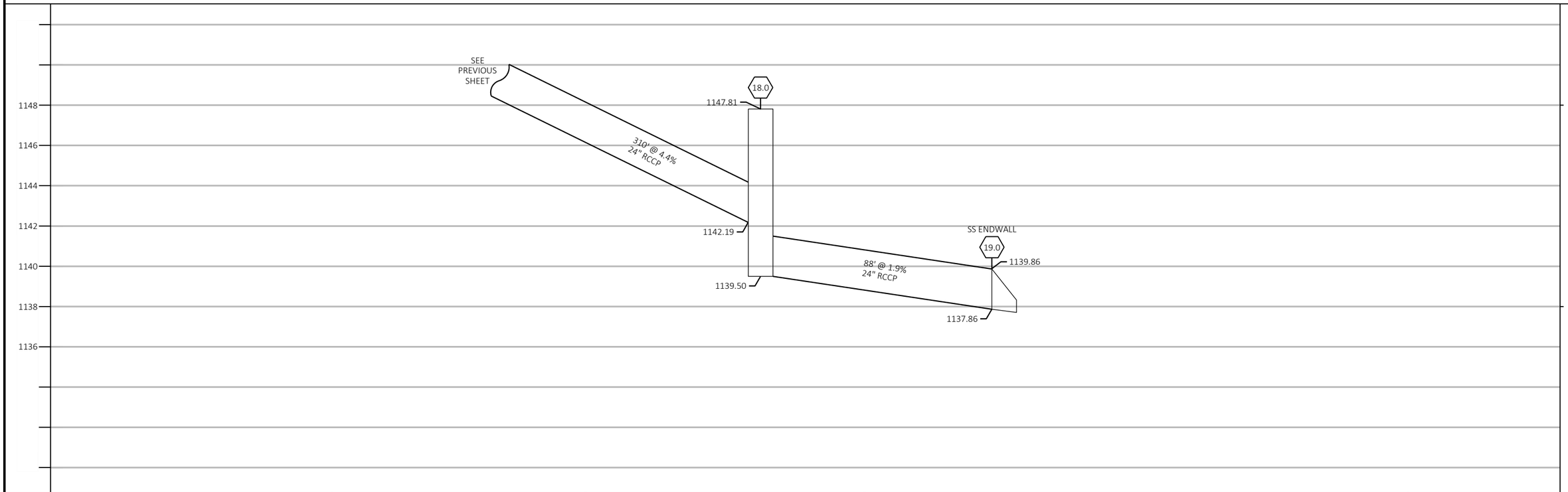
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 40	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - DIAMOND OAKS1

PLOT DATE : 1/30/2018 3:43 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2





PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	STORM SEWER	SHEET 41	E

2

2

N

IOWA STREET

REMOVE AND REPLACE

1-1
23
J13-1
24"X45"

1-2
STOP
R1-1
36"X36"

MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH

MARKING STOP LINE EPOXY 18-INCH

1-3
W3-1
36"X36"

MOVE BY OTHERS
UNION ST.
DIVISION ST.

REMOVE AND REPLACE
R1-1
STOP
R1-1
30"X30"
1-4

R1-1
JCT
23
REMOVE

N. UNION STREET

1-7
END
191
J4-1
24"X36"

MOVE BY OTHERS
NO PARKING HERE TO CORNER

MARKING STOP LINE EPOXY 18-INCH

1-8
NORTH
23
SECOND RIGHT
J2-1
24"X57"

R1-2
REMOVE
END
191

1-10
SOUTH
23
SECOND LEFT
J2-1
24"X57"

1-11
JCT
23
J1-1
24"X39"

MARKING LINE EPOXY 4-INCH (WHITE)

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00

29' TAPER

EAST DIVISION STREET

MARKING LINE EPOXY 4-INCH (WHITE)

MOVE BY OTHERS

MARKING STOP LINE EPOXY 18-INCH

XXXX XXXX

1-5
STOP
R1-1
30"X30"
REMOVE AND REPLACE

ESTR OR MOVE BY OTHERS

S. UNION STREET

1-6
EAST
191
J4-1
24"X36"
REMOVE AND REPLACE

1-9
SPEED LIMIT
2
R2-1
24"X30"

MARKING LINE 4-INCH EPOXY (YELLOW)

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 42	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - PS_01

PLOT DATE : 1/30/2018 4:00 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

2

N

MOVE BY OTHERS
DIVISION ST.
DACOTAH ST.
REMOVE AND REPLACE
2-1 STOP R1-1 30"X30"
N.DACOTAH STREET
MARKING STOP LINE EPOXY 18-INCH
XXXX
MARKING LINE EPOXY 4-INCH (WHITE)
2-3 SPEED LIMIT 2 R2-1 24"X30"
MOVE BY OTHERS
ROGERS ST.
DIVISION ST.
REMOVE AND REPLACE
2-4 STOP R1-1 30"X30"
N.ROGER STREET
MARKING STOP LINE EPOXY 18-INCH
XXXX
MARKING LINE EPOXY 4-INCH (WHITE)
29' TAPER
29' TAPER
58+00
59+00
60+00
61+00
62+00
63+00
64+00
65+00
MH
MH
EAST DIVISION STREET
MARKING STOP LINE EPOXY 18-INCH
XXXX XXXX
MARKING LINE 4-INCH EPOXY (YELLOW)
POST
MARKING STOP LINE EPOXY 18-INCH
XXXX XXXX
S.DACOTAH STREET
REMOVE AND REPLACE
STOP R1-1 30"X30" 2-2
S.ROGERS STREET
REMOVE AND REPLACE
STOP R1-1 30"X30" 2-5
SPEED LIMIT 2 R2-1 24"X30" 2-6

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 43	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - PS_02
PLOT DATE : 1/30/2018 4:00 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : ##########

2

2

N

BISHOP STREET

3-2
SPEED LIMIT 2□
R2-1
24"X30"

3-3
STOP
R1-1
30"X30"

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING STOP LINE
EPOXY 18-INCH

MARKING LINE
EPOXY 4-INCH (WHITE)

PI: 72+35.85

29' TAPER

66+00 67+00 68+00 69+00 70+00 71+00 72+00 73+00

EAST DIVISION STREET

MARKING LINE 4-INCH EPOXY (YELLOW)

MARKING STOP LINE
EPOXY 18-INCH

MARKING LINE 4-INCH EPOXY (DOUBLE YELLOW)

MOVE BY
OTHERS
GORDON ST.
DIVISION ST.

REMOVE AND
REPLACE

STOP
R1-1
30"X30"
3-1

GARDEN STREET

MOVE BY
OTHERS
BISHOP ST.
DIVISION ST.

SPEED LIMIT 2□
REMOVE
R3-1

3-4
SPEED LIMIT 2□
R2-1
24"X30"

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 44	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - PS_03

PLOT DATE : 1/30/2018 4:00 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

2

N

4-1
SPEED LIMIT 2□
R2-1
24"X30"

MARKING LINE EPOXY 4-INCH (WHITE)

74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+

EAST DIVISION STREET

MARKING LINE 4-INCH EPOXY
(DOUBLE YELLOW)

4-2
SPEED LIMIT 2□
R2-1
24"X30"

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 45	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - PS_04

PLOT DATE : 1/30/2018 4:00 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

2

N

QUARRY STREET

REMOVE AND REPLACE

Dodgeville
POPULATION

I2-3
72"X24"
5-1

MOVE BY OTHERS

ALTERNATE SIDE PARKING

REMOVE AND REPLACE

STOP

R1-1
30"X30"
5-2

MARKING STOP LINE
EPOXY 18-INCH

MARKING LINE
EPOXY 4-INCH (WHITE)

MARKING LINE
EPOXY 4-INCH (WHITE)

6-3
SPEED LIMIT

R2-1
24"X30"

MARKING LINE
EPOXY 4-INCH (WHITE)

29' TAPER

82+00 83+00 84+00 85+00 86+00 87+00 88+00

EAST DIVISION STREET

MARKING LINE 4-INCH EPOXY
(DOUBLE YELLOW)

MARKING STOP LINE
EPOXY 18-INCH

DIAMOND OAKS DRIVE

MOVE BY
OTHERS

HWY 191

DIAMOND OAKS DR.

REMOVE AND
REPLACE

STOP

R1-1
30"X30"
5-3

REMOVE

E

R5-1

5-4

STOP
SCHOOL BUS
FLASHING
RED LIGHTS

R59-51
36"X36"

REMOVE AND
REPLACE IN
NEW
LOCATION

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 46	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - PS_05

PLOT DATE : 1/30/2018 4:00 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

2

N

6-3
SPEED LIMIT
R2-1
24"X30"

MARKING LINE
EPOXY 4-INCH (WHITE)

R6-1
SPEED LIMIT
REMOVE

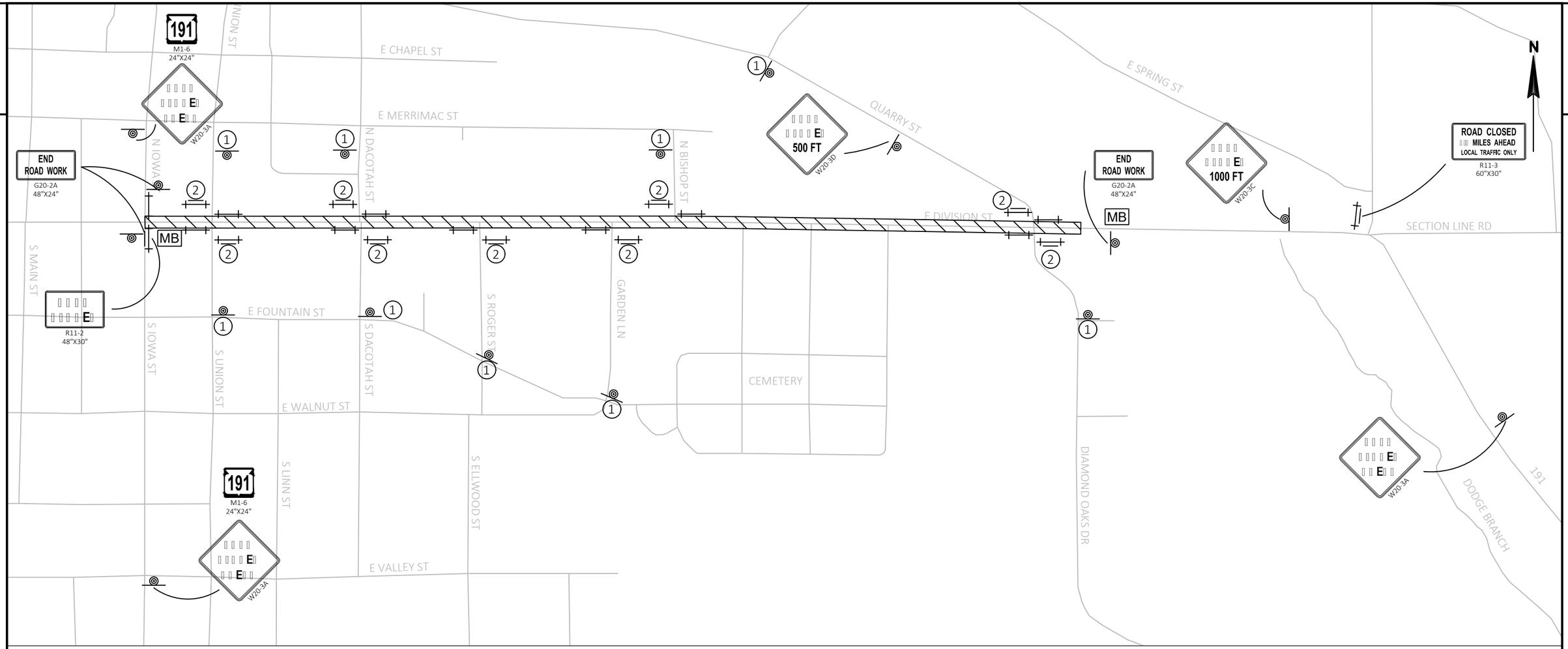
EP: 93+96.09

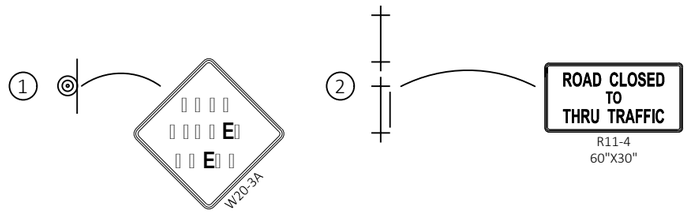
88+00 89+00 90+00 EAST DIVISION STREET 91+00 92+00 93+00

5-4
STOP
SCHOOL BUS
FLASHING
RED LIGHTS
R59-51
36"X36"
REMOVE AND REPLACE IN NEW LOCATION

W3-1
36"X36"
6-1

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PERMANENT SIGNING AND MARKING	SHEET 47	E





TRAFFIC CONTROL SIGNS

TRAFFIC CONTROL BARRICADES TYPE III

MB — MESSAGE BOARD
*TO BE PLACED TWO WEEKS PRIOR TO THE START OF CONSTRUCTION

PROJECT AREA

MESSAGE BOARD

E.DIVISON ST.
CLOSED

BEGINNING
XX/XX

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	TRAFFIC CONTROL	SHEET 48	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\025001_TC.DWG
LAYOUT NAME - 025001_tc_01

PLOT DATE : 1/30/2018 4:02 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ######

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

UNION STREET

TEMPORARY CROSSWALK

ALTERNATING CROSSWALKS

WORK ZONE

WORK ZONE

TEMPORARY CURB RAMPS NEEDED

STH 23

UNION STREET

PROJECT NO:5953-04-01	HWY:STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 1	SHEET 49	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_1.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_1 - SHEET 1

PLOT DATE : 1/30/2018 4:02 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

DACOTAH STREET

RODGER STREET

WORK ZONE

TEMPORARY CURB RAMP NEEDED

DACOTAH STREET

RODGER STREET

PROJECT NO: 5953-04-01	HWY: STH 191	COUNTY: IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 1	SHEET 50	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_1.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_1 - SHEET 2

PLOT DATE : 1/30/2018 4:02 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

BISHOP STREET

WORK ZONE

GARDEN STREET

2

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 1	SHEET 51	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_1.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_1 - SHEET 3

PLOT DATE : 1/30/2018 4:02 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

2

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

WORK ZONE

PLUGS

CEMETERY

CEMETERY

CEMETERY

PROJECT NO:5953-04-01	HWY:STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 1	SHEET 52	E

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

STH 23

UNION STREET

WORK ZONE

WORK ZONE

TEMPORARY CURB RAMP

ALTERNATING CROSSWALKS

TEMPORARY CURB RAMP

STH 23

UNION STREET

N

2

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 2	SHEET 53	E

2

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

DACOTAH STREET

RODGER STREET

WORK ZONE

DACOTAH STREET

RODGER STREET

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 2	SHEET 54	E

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

BISHOP STREET

WORK ZONE

GARDEN STREET

SEC PAINT MARK SET FR

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 2	SHEET 55	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_2.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_2 - SHEET 3

PLOT DATE : 1/30/2018 4:03 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

CROSS WALKS

WORK ZONE

OPEN SIDEWALK

N

WORK ZONE

PLUGS

CEMETERY

CEMETERY

CEMETERY

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 2	SHEET 56	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_2.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_2 - SHEET 4

PLOT DATE : 1/30/2018 4:03 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

CROSS WALKS

WORK ZONE

IOWA STREET (STH 23)

UNION STREET

N

W. DIVISION STREET

E. DIVISION STREET (STH 191)

PM 307

BM 306

CP 707

CP 706

WORK ZONE

MH

WV

GV

OH

IOWA STREET (STH 23)

UNION STREET

PROJECT NO: 5953-04-01	HWY: STH 191	COUNTY: IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 3	SHEET 57	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_3.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_3 - SHEET 1
PLOT DATE : 1/30/2018 4:04 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2

CROSS WALKS

WORK ZONE

IOWA STREET (STH 23)

UNION STREET

N

WORK ZONE

W. DIVISION STREET

E. DIVISION STREET (STH 191)

IOWA STREET (STH 23)

UNION STREET

2

PROJECT NO:5953-04-01	HWY: STH 191	COUNTY:IOWA	TRAFFIC CONTROL - PEDESTRIAN ACCESS - STAGE 4	SHEET 58	E

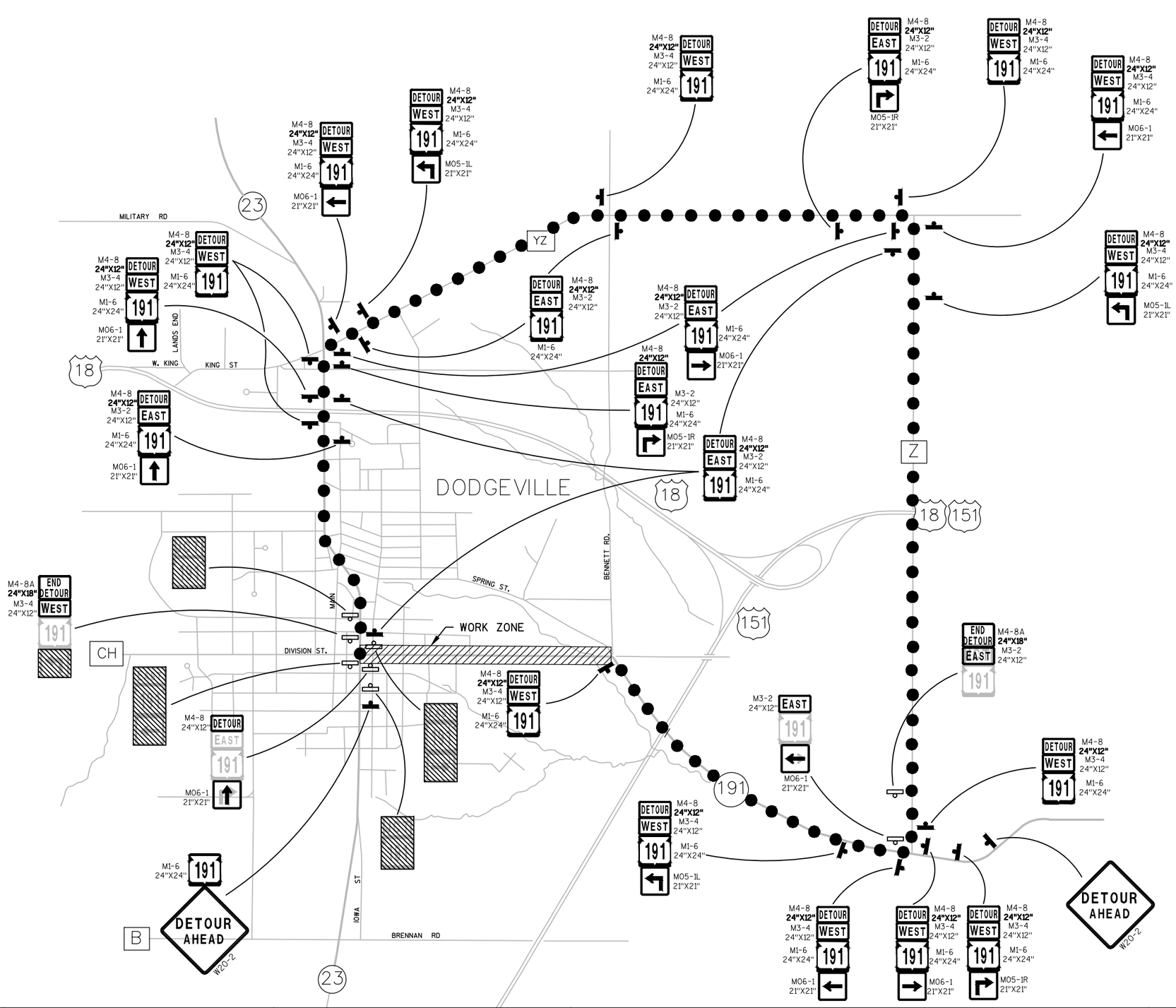
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\026101_S2_PEDESTRIAN_DETOUR_STAGE_4.DWG
LAYOUT NAME - 026101_S2_PEDESTRIAN_DETOUR_STAGE_4 - SHEET 1

PLOT DATE : 1/30/2018 4:04 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

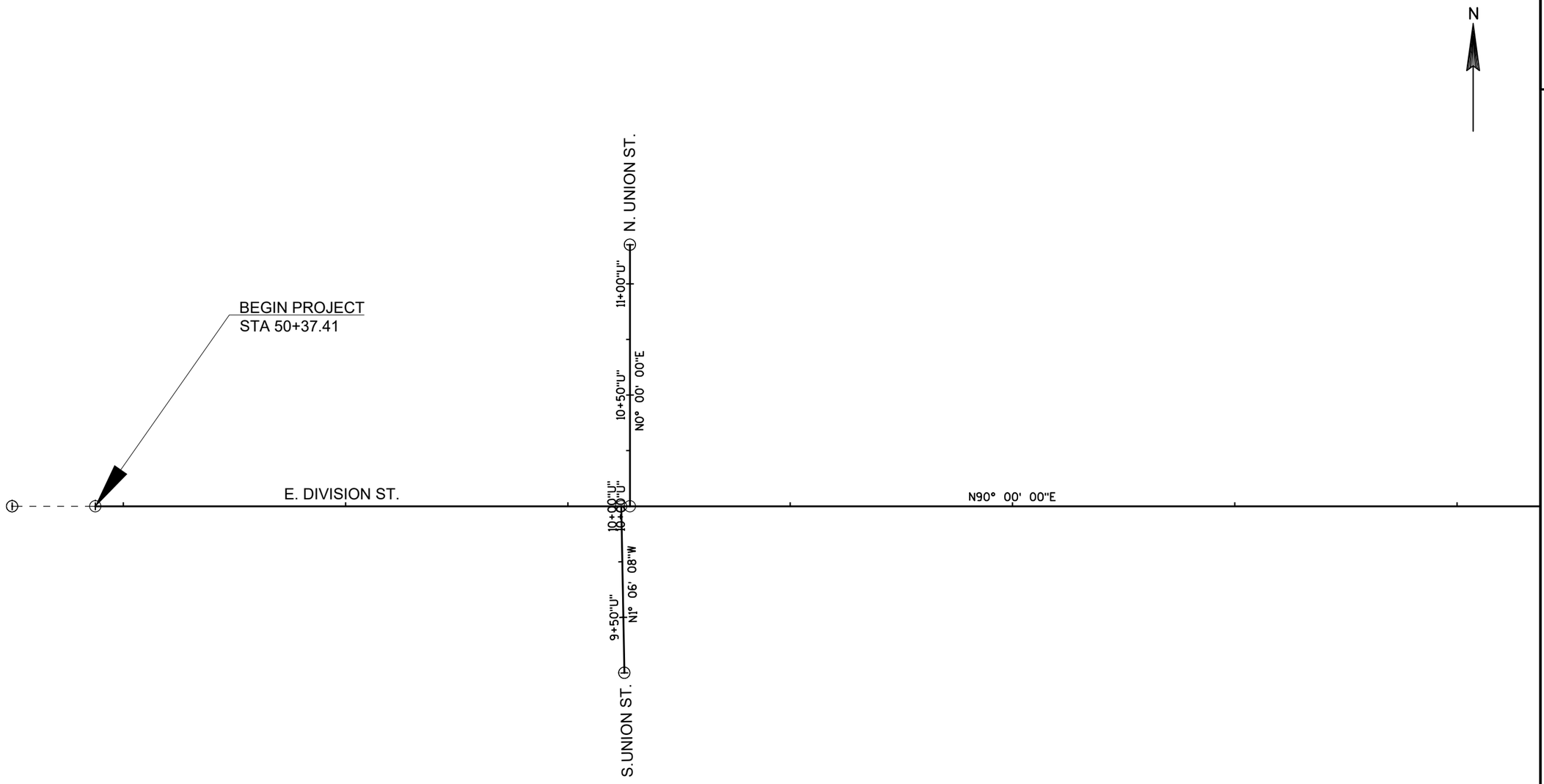
LEGEND

- PROPOSED SIGN
- EXISTING SIGN
- COVER EXISTING SIGN
- EXISTING/PROPOSED SIGN
- DETOUR ROUTE
- WORK ZONE



PROJECT NO:5953-04-71	HWY: STH 191	COUNTY:IOWA	DETOUR ROUTE	SHEET 59	E

2



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	ALIGNMENT DETAILS	SHEET 60	E

2

N

E. DIVISION ST.

N90° 00' 00"E

DACOTAH ST.

10+50"D"

N0° 00' 00"E

10+00"D"

N0° 00' 00"E

DACOTAH ST.

RODGER ST.

10+00"R"

N0° 00' 00"E

10+00"R"

N0° 00' 00"E

9+50"R"

N0° 00' 00"E

RODGER ST.

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	ALIGNMENT DETAILS	SHEET 61	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027201_ad_02

PLOT DATE : 1/30/2018 4:05 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

E. DIVISION ST.

N90° 00' 00"E

BISHOP ST.

10+50"B"

N0° 00' 00"E

10+00"B"

PI: 72+35.85

10+00"G"

N0° 00' 00"E

9+50"G"

GARDEN LN.

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	ALIGNMENT DETAILS	SHEET 62	E

2

N

2

E. DIVISION ST.

S89° 06' 14"E

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	ALIGNMENT DETAILS	SHEET 63	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027201_ad_04

PLOT DATE : 1/30/2018 4:05 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

PI STA = 10+84.68"0"
Y = 153549.017
X = 382611.822
DELTA = 63°41'06"
D = 67°24'24"
T = 52.79'
L = 94.48'
R = 85.00'
PC STA = 10+31.89"0"
PT STA = 11+26.37"0"

N

QUARRY ST.

N62° 47' 20"W

11+50"0"

PT: 11+26.37"0"

10+50"0"

PI: 10+84.68

PC: 10+31.89"0"

END PROJECT
STA 87+84

81+00 82+00 S89° 06' 14"E 83+00 84+00 85+00 E. DIVISION ST. 86+00 87+00

10+50"0"

N0° 53' 46"E

PT: 9+49.29"0"

9+50"0"

PI: 9+35.13

PC: 9+20.78"0"

DIAMOND OAKS DRIVE

PI STA = 9+35.13"0"
Y = 153399.288
X = 382609.480
DELTA = 16°20'27"
D = 57°17'45"
T = 14.36'
L = 28.52'
R = 100.00'
PC STA = 9+20.78"0"
PT STA = 9+49.29"0"

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	ALIGNMENT DETAILS	SHEET 64	E

5953-04-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	1,015.000	1,015.000
0004	201.0220	Grubbing	ID	1,015.000	1,015.000
0006	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0008	204.0100	Removing Pavement	SY	270.000	270.000
0010	204.0150	Removing Curb & Gutter	LF	5,810.000	5,810.000
0012	204.0155	Removing Concrete Sidewalk	SY	2,500.000	2,500.000
0014	204.0170	Removing Fence	LF	1,010.000	1,010.000
0016	204.0210	Removing Manholes	EACH	3.000	3.000
0018	204.0220	Removing Inlets	EACH	9.000	9.000
0020	204.0245	Removing Storm Sewer (size) 01. 12-inch	LF	420.000	420.000
0022	204.0245	Removing Storm Sewer (size) 01. 18-inch	LF	85.000	85.000
0024	204.9090.S	Removing (item description) 01. Existing Concrete Steps	LF	118.000	118.000
0026	205.0100	Excavation Common	CY	14,140.000	14,140.000
0028	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	300.000	300.000
0030	213.0100	Finishing Roadway (project) 01. 5953-04-71	EACH	1.000	1.000
0032	305.0115	Base Aggregate Dense 3/4-Inch	CY	25.000	25.000
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	9,537.000	9,537.000
0036	312.0110	Select Crushed Material	TON	11,160.000	11,160.000
0038	416.0160	Concrete Driveway 6-Inch	SY	820.000	820.000
0040	416.0170	Concrete Driveway 7-Inch	SY	21.000	21.000
0042	440.4410	Incentive IRI Ride	DOL	2,844.000	2,844.000
0044	455.0605	Tack Coat	GAL	720.000	720.000
0046	460.2000	Incentive Density HMA Pavement	DOL	2,010.000	2,010.000
0048	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	11,250.000	11,250.000
0050	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,796.000	1,796.000
0052	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,400.000	1,400.000
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	36.000	36.000
0056	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0058	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	7,535.000	7,535.000
0060	601.0600	Concrete Curb Pedestrian	LF	48.000	48.000
0062	602.0405	Concrete Sidewalk 4-Inch	SF	29,135.000	29,135.000
0064	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	206.000	206.000
0066	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	23.900	23.900
0068	602.1500	Concrete Steps	SF	600.000	600.000
0070	606.0200	Riprap Medium	CY	11.000	11.000
0072	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	566.000	566.000
0074	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-	LF	34.000	34.000

5953-04-71

Line	Item	Item Description	Unit	Total	Qty
		Inch			
0076	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	252.000	252.000
0078	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,790.000	1,790.000
0080	611.0550	Manhole Covers Type M	EACH	19.000	19.000
0082	611.0639	Inlet Covers Type H-S	EACH	39.000	39.000
0084	611.2003	Manholes 3-FT Diameter	EACH	3.000	3.000
0086	611.2004	Manholes 4-FT Diameter	EACH	10.000	10.000
0088	611.2005	Manholes 5-FT Diameter	EACH	4.000	4.000
0090	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0092	611.3230	Inlets 2x3-FT	EACH	39.000	39.000
0094	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0096	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0098	611.8120.S	Cover Plates Temporary	EACH	19.000	19.000
0100	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5953-04-71	EACH	1.000	1.000
0102	619.1000	Mobilization	EACH	0.800	0.800
0104	624.0100	Water	MGAL	110.000	110.000
0106	625.0100	Topsoil	SY	10,750.000	10,750.000
0108	627.0200	Mulching	SY	500.000	500.000
0110	628.1504	Silt Fence	LF	3,500.000	3,500.000
0112	628.1520	Silt Fence Maintenance	LF	7,000.000	7,000.000
0114	628.2004	Erosion Mat Class I Type B	SY	1,620.000	1,620.000
0116	628.2006	Erosion Mat Urban Class I Type A	SY	10,680.000	10,680.000
0118	628.7015	Inlet Protection Type C	EACH	49.000	49.000
0120	628.7020	Inlet Protection Type D	EACH	4.000	4.000
0122	628.7504	Temporary Ditch Checks	LF	120.000	120.000
0124	628.7560	Tracking Pads	EACH	3.000	3.000
0126	629.0210	Fertilizer Type B	CWT	6.000	6.000
0128	630.0130	Seeding Mixture No. 30	LB	32.000	32.000
0130	630.0140	Seeding Mixture No. 40	LB	190.000	190.000
0132	630.0200	Seeding Temporary	LB	314.000	314.000
0134	631.0300	Sod Water	MGAL	9.000	9.000
0136	631.1000	Sod Lawn	SY	10.000	10.000
0138	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	15.000	15.000
0140	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	10.000	10.000
0142	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000
0144	637.2210	Signs Type II Reflective H	SF	165.000	165.000
0146	637.2230	Signs Type II Reflective F	SF	18.000	18.000

5953-04-71

Line	Item	Item Description	Unit	Total	Qty
0148	638.2602	Removing Signs Type II	EACH	22.000	22.000
0150	638.3000	Removing Small Sign Supports	EACH	20.000	20.000
0152	642.5201	Field Office Type C	EACH	1.000	1.000
0154	643.0300	Traffic Control Drums	DAY	3,975.000	3,975.000
0156	643.0410	Traffic Control Barricades Type II	DAY	1,110.000	1,110.000
0158	643.0420	Traffic Control Barricades Type III	DAY	4,530.000	4,530.000
0160	643.0705	Traffic Control Warning Lights Type A	DAY	5,685.000	5,685.000
0162	643.0900	Traffic Control Signs	DAY	6,725.000	6,725.000
0164	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000
0166	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0168	643.5000	Traffic Control	EACH	1.000	1.000
0170	644.1420.S	Temporary Pedestrian Surface Plywood	SF	2,250.000	2,250.000
0172	644.1601.S	Temporary Curb Ramp	EACH	14.000	14.000
0174	644.1616.S	Temporary Pedestrian Safety Fence	LF	310.000	310.000
0176	645.0130	Geotextile Type R	SY	30.000	30.000
0178	645.0220	Geogrid Type SR	SY	13,550.000	13,550.000
0180	646.1020	Marking Line Epoxy 4-Inch	LF	7,660.000	7,660.000
0182	646.6120	Marking Stop Line Epoxy 18-Inch	LF	165.000	165.000
0184	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	360.000	360.000
0186	650.4000	Construction Staking Storm Sewer	EACH	57.000	57.000
0188	650.4500	Construction Staking Subgrade	LF	3,750.000	3,750.000
0190	650.5000	Construction Staking Base	LF	3,750.000	3,750.000
0192	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7,535.000	7,535.000
0194	650.9000	Construction Staking Curb Ramps	EACH	21.000	21.000
0196	650.9910	Construction Staking Supplemental Control (project) 01. 5953-04-71	LS	1.000	1.000
0198	650.9920	Construction Staking Slope Stakes	LF	3,750.000	3,750.000
0200	690.0150	Sawing Asphalt	LF	590.000	590.000
0202	690.0250	Sawing Concrete	LF	445.000	445.000
0204	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	700.000	700.000
0206	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	375.000	375.000
0210	SPV.0060	Special 01. Connect Storm Sewer Manhole To Existing Storm Sewer Pipe	EACH	3.000	3.000
0212	SPV.0060	Special 02. Landmark Reference Monuments Special	EACH	1.000	1.000
0214	SPV.0060	Special 03. Concrete Sidewalls for Concrete Steps	EACH	1.000	1.000
0244	SPV.0090	Special 01. Handrail	LF	73.000	73.000
0246	SPV.0090	Special 02. Pipe Underdrain Wrapped 6-inch and Aggregate	LF	1,860.000	1,860.000

3

Division	From/To Station	Location	205.0100 Common Excavation (1)		Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste
			Cut (2)	EBS Excavation (3)				Factor 1.25		
Division 1										
	50+31.7/ 92+50 EBS	E. DIVISION STREET (UNDISTRUBUTED)	13,867 0	0 250	1,813 0	12,054 0	2,031 0	2,539 0	9,515 0	9,515 0
Division 1 Subtotal			13,867	250	1,813	12,054	2,031	2,539	9,515	
Grand Total			13,867	250	1,813	12,054	2,031	2,539	9,515	9,515
Total Common Exc			14,117							

Notes:

(1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.

(4) Salvaged/Unusable Pavement Material

(5) Available Material = Cut - Salvaged/Unusuable Pavement Material

(13) Expanded Fill Factor = 1.25

(14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
Mass Ordinate = Available Material - Expanded Fill

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID	REMARKS
0010	51+57	LT	25	25	PARCEL 1
0010	55+20	LT	30	30	PARCEL 6
0010	55+45	LT	35	35	PARCEL 6
0010	57+10	LT	35	35	PARCEL 7
0010	57+35	LT	25	25	PARCEL 8
0010	57+50	RT	20	20	PARCEL 17
0010	58+00	LT	55	55	PARCEL 18
0010	60+20	RT	15	15	PARCEL 41
0010	60+30	LT	20	20	PARCEL 22
0010	60+96	RT	15	15	PARCEL 42
0010	60+10	RT	20	20	PARCEL 43
0010	63+29	LT	10	10	PARCEL 27
0010	63+31	RT	10	10	PARCEL 46
0010	63+57	RT	25	25	PARCEL 46
0010	64+00	RT	10	10	PARCEL 46
0010	64+00	LT	40	40	PARCEL 28
0010	64+40	LT	30	30	PARCEL 28
0010	64+55	LT	4	4	PARCEL 29
0010	64+62	LT	4	4	PARCEL 29
0010	64+69	LT	4	4	PARCEL 29
0010	64+80	LT	4	4	PARCEL 29
0010	64+89	LT	4	4	PARCEL 29
0010	65+00	LT	4	4	PARCEL 29
0010	65+10	LT	4	4	PARCEL 29
0010	65+16	LT	4	4	PARCEL 29
0010	65+20	LT	30	30	PARCEL 29
0010	65+21	LT	4	4	PARCEL 29
0010	65+28	LT	4	4	PARCEL 29
0010	65+96	RT	15	15	PARCEL 48
0010	66+00	LT	45	45	PARCEL 31
0010	66+41	RT	20	20	PARCEL 49
0010	66+45	LT	15	15	PARCEL 32
0010	66+91	LT	15	15	PARCEL 33
0010	67+33	RT	15	15	PARCEL 49
0010	67+60	RT	15	15	PARCEL 51
0010	68+35	RT	15	15	PARCEL 52
0010	69+05	RT	30	30	PARCEL 52
0010	69+13	LT	35	35	PARCEL 37
0010	69+40	LT	20	20	PARCEL 37
0010	72+91	LT	35	35	PARCEL 57
0010	73+65	LT	15	15	PARCEL 58
0010	73+92	LT	15	15	PARCEL 58
0010	74+37	LT	20	20	PARCEL 59
0010	75+05	LT	30	30	PARCEL 61
0010	75+32	LT	10	10	PARCEL 61

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID	REMARKS
0010	76+14	LT	15	15	PARCEL 62
0010	76+53	LT	15	15	PARCEL 62
0010	76+75	LT	10	10	PARCEL 62
0010	76+90	LT	20	20	PARCEL 62
0010	77+10	LT	10	10	PARCEL 62
0010	77+27	LT	10	10	PARCEL 62
0010	77+80	LT	15	15	PARCEL 62
0010	78+26	LT	15	15	PARCEL 62
0010	78+28	LT	15	15	PARCEL 62
0010	80+80	LT	10	10	PARCEL 62
0010	81+78	LT	10	10	PARCEL 62
0010	82+90	LT	15	15	PARCEL 62
		TOTAL 0010	**1015**	**1015**	

3

REMOVING PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 SY	REMARKS
0010	51+40	-	51+50	LT	10	
	51+06	-	51+39	RT	26	
	51+63	-	51+75	LT	10	
	52+12	-	52+28	RT	12	
	54+19	-	54+39	RT	13	
	54+76	-	54+91	RT	10	
	54+98	-	55+11	LT	6	
	55+34	-	55+48	RT	10	
	55+60	-	55+73	RT	8	
	55+78	-	55+91	LT	8	
	56+70	-	56+93	RT	12	
	57+13	-	57+36	RT	14	
	58+78	-	59+08	RT	18	
	59+74	-	59+89	RT	6	
	60+58	-	60+71	RT	6	
	61+09	-	61+27	RT	7	
	64+15	-	64+33	RT	6	
	65+35	-	65+51	LT	6	
	66+05	-	66+24	LT	10	
	66+07	-	66+19	RT	5	
	66+99	-	67+20	RT	10	
	68+17	-	68+31	LT	7	
	68+44	-	68+56	LT	7	
	68+69	-	68+81	RT	5	
	69+21	-	69+36	RT	6	
	69+69	-	69+93	RT	10	
	72+90	-	73+16	RT	12	
	75+22	-	75+76	RT	10	
				TOTAL 0010	**270**	

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	TO	STATION	LOCATION	203.0100 EACH	REMARKS
0010	85+65	-	85+94	RT	1	18" CMP
				TOTAL 0010	**1**	

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
0010	50+41	-	52+59	RT	270	
	50+41	-	52+61	LT	270	
	52+89	-	58+25	RT	580	
	52+89	-	58+29	LT	580	
	58+54	-	62+83	RT	460	
	58+51	-	62+28	LT	400	
	63+13	-	67+86	RT	500	
	62+46	-	70+24	LT	800	
	68+13	-	78+63	RT	1,050	
	70+54	-	76+95	LT	660	
	83+55	-	83+90	RT	90	
	84+28	-	85+31	RT	150	
				TOTAL 0010	**5,810**	

3

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 SY	REMARKS
0010	50+42	-	52+60	LT	165	
	50+42	-	52+58	RT	190	
	52+96	-	58+25	LT	340	
	52+91	-	58+22	RT	320	
	58+53	-	62+25	LT	200	
	58+56	-	62+79	RT	190	
	62+48	-	70+17	LT	395	
	63+17	-	67+83	RT	220	
	68+16	-	78+43	RT	430	
	70+86			LT	10	
	71+72			LT	5	
	72+74			LT	10	
	73+78			LT	5	
	75+24			LT	5	
	76+24			LT	5	
0010				UNDISTRIBUTED	10	
				TOTAL 0010	**2500**	

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 LF	REMARKS
0010	53+04	-	54+03	LT	170	
	78+30	-	78+37	LT	40	
	86+20	-	93+96	RT	800	
				TOTAL 0010	**1,010**	

REMOVING MANHOLES

CATEGORY	STATION	LOCATION	204.0210 EACH	REMARKS
0010	58+39	RT 5'	1	SS Dacotah
	62+92	RT 7'	1	SS Rogers
	83+54	RT 32'	1	
		TOTAL 0010	**3**	

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0220 EACH	REMARKS
0010	52+58	LT 17'	1	
	53+00	LT 18'	1	
	58+14	LT 16'	1	
	59+09	LT 17'	1	
	59+10	RT 17'	1	
	62+75	LT 14'	1	
	62+77	RT 20'	1	
	63+74	LT 16'	1	
	63+77	RT 17'	1	
		TOTAL 0010	**9**	

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245 12-INCH LF	18-INCH LF	REMARKS
0010	52+58				65	-	CPP
	53+00				55	-	RCP
	58+14	-	58+39		30	-	RCP
	58+39	-	59+10		70	-	RCP
	59+10				30	-	RCP
	62+75	-	62+92		30	-	RCP
	62+77	-	62+92		20	-	RCP
	62+92	-	63+76		85	-	RCP
	63+75				35	-	RCP
	83+54	-	83+74		-	75	CMP
	83+44	-	83+54		-	10	RCP
				TOTAL 0010	**420**	**85**	

BASE COURSE ITEMS

CATEGORY	STATION TO STATION	LOCATION	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	645.0220 GEOGRID TYPE SR	REMARKS
0010	50+37 - 53+09	STH 191	-	570	730	820	
	53+09 - 84+98	STH 191	-	5,500	7,070	9,650	
	84+98 - 87+84	STH 191	-	550	700	870	
	9+38"U" - 9+73"U"	UNION STREET	-	80	100	-	
	10+15"U" - 10+53"U"	UNION STREET	-	70	90	-	
	9+63"D" - 9+86"D"	DACOTAH STREET	-	40	50	-	
	10+20"D" - 10+41"D"	DACOTAH STREET	-	30	40	-	
	9+63"R" - 9+86"R"	RODGER STREET	-	40	50	-	
	10+20"R" - 10+37"R"	RODGER STREET	-	20	30	-	
	9+63"G" - 9+86"G"	GARDEN LANE	-	40	50	-	
	10+19"B" - 10+43"B"	BISHOP STREET	-	40	50	-	
	9+19"Q" - 9+85"Q"	DIAMOND OAKS DRIVE	-	160	210	-	
	10+20"Q" - 10+96"Q"	QUARRY STREET	-	150	190	-	
	51+23 - 78+60	STH 191	-	360	-	-	DRIVEWAYS
	55+07 - 71+85	STH 191	-	60	-	-	GRAVEL DRIVEWAYS
	50+42 - 78+36	STH 191	-	800	-	-	SIDEWALKS
	86+69 - 93+00	STH 191	25	-	-	-	SHOULDERS
		UNDISTRIBUTED	-	500	450	-	
		TOTAL 0010	25	9,010	9,810	11,340	
0020	50+52 - 83+62	STH 191	-	515	1,350	2,210	MUNICIPAL
0020	10+50"U" - 11+12"U"	UNION STREET	-	12	-	-	MUNICIPAL
		TOTAL 0020	0	527	1,350	2,210	
	PROJECT ID 5953-04-71 TOTAL:		**25**	**9,537**	**11,160**	**13,550**	

EXCAVATION COMMON

CATEGORY	STATION TO STATION	LOCATION	205.0100 CY	REMARKS
0010	50+37 - 87+84	ROADWAY	14,117	
		TOTAL 0010	14,117	
0020	10+50"U" - 11+12"U"	Municpal	23	
		TOTAL 0020	23	
	PROJECT ID 5953-04-71 TOTAL:		**14,140**	

3

CONCRETE DRIVEWAY 6-INCH

CATEGORY	STATION	LOCATION	416.0160 SY	REMARKS
0010	51+45	LT	20	
	51+69	LT	12	
	52+20	RT	11	
	54+29	RT	22	
	54+83	RT	18	
	55+07	LT	10	
	55+41	RT	15	
	55+66	RT	16	
	55+84	LT	20	
	56+82	RT	22	
	57+25	RT	50	
	58+96	RT	50	
	59+82	RT	15	
	60+64	RT	30	
	61+19	RT	18	
	64+26	RT	15	
	65+44	LT	10	
	66+14	LT	10	
	66+12	RT	42	
	67+11	RT	37	
	68+25	LT	10	
	68+49	LT	10	
	68+75	RT	20	
	69+28	RT	30	
	69+81	RT	70	
	71+11	LT	10	
	71+55	LT	10	
	73+05	RT	24	
	73+14	LT	44	
	73+47	LT	34	
	75+52	LT	55	
	75+63	RT	15	
	77+58	LT	20	
	78+60	RT	25	
		TOTAL 0010	**820**	

CONCRETE DRIVEWAY 7-INCH

CATEGORY	STATION	LOCATION	416.0170 SY	REMARKS
0010	51+23	RT	21	
		TOTAL 0010	**21**	

ASPHALT PAVEMENT ITEMS

CATEGORY	STATION TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	REMARKS
0010	50+32	53+10	STH 191	50	120	91	-	
	53+10 -	87+84	STH 191	480	1200	935	-	
	9+38"U" -	9+77"U"	UNION STREET	7	20	16	-	
	10+18"U" -	10+53"U"	UNION STREET	7	18	14	-	
	9+63"D" -	9+88"D"	DACOTAH STREET	4	11	8	-	
	10+18"D" -	10+41"D"	DACOTAH STREET	3	8	6	-	
	9+63"R"	9+88"R"	RODGER STREET	4	11	9	-	
	10+18"R" -	10+37"R"	RODGER STREET	2	6	4	-	
	9+63"G" -	9+88"G"	GARDEN LANE	4	10	8	-	
	10+18"B" -	10+43"B"	BISHOP STREET	4	11	9	-	
	9+19"Q" -	9+88"Q"	DIAMOND OAKS	20	40	32	-	
	10+18"Q" -	11+62"Q"	QUARRY STREET	20	35	28	-	
	51+23		RT	-	-	-	2	
	51+69		LT	-	-	-	1	
	52+20		RT	-	-	-	1	
	55+41		RT	-	-	-	1	
	66+14		LT	-	-	-	5	
	68+25		LT	-	-	-	3	
	68+46		LT	-	-	-	5	
	71+11		LT	-	-	-	4	
	73+03		RT	-	-	-	4	
	75+63		RT	-	-	-	2	
	77+58		LT	-	-	-	3	
	78+60		RT	-	-	-	5	
			TOTAL 0010	605	1490	1160	36	
0020	53+10 -	83+62	STH 191	110	280	220	-	CITY OF DODGEVILLE PARKING LANES
0020	10+50"U" -	11+12"U"	UNION STREET	5	26	20	-	CITY OF DODGEVILLE PAVEMENT PATCH
			TOTAL 0020	115	306	240	0	
			PROJECT ID 5953-04-71 TOTAL:	**720**	**1796**	**1400**	**36**	

STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STATION	TO	STATION	LOCATION	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	522.1024 APRON ENDWALLS FOR REINFORCED CONCRETE 24-INCH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	608.0415 15-INCH	608.0418 18-INCH	608.0424 24-INCH	REMARKS
										EACH	LF	LF	LF	LF	
0010	1.1	1.2	52+42	-	52+36	UNION	1196.20	1196.00	0.5%	-	38	-	-	-	
	1.2	1.0	52+36	-	52+80	UNION	1196.00	1195.75	0.7%	-	40	-	-	-	
	1.3	1.0	52+89	-	52+80	UNION	1195.72	1195.62	0.8%	-	12	-	-	-	
	2.1	2.2	52+62	-	52+62	UNION	1198.24	1197.96	2.0%	-	14	-	-	-	
	2.2	2.3	52+62	-	52+94	UNION	1197.96	1197.70	0.8%	-	-	-	32	-	
	2.3	2.0	52+94	-	52+94	UNION	1197.70	1196.80	2.2%	-	-	-	42	-	
	2.0	1.0	52+94	-	52+80	UNION	1196.18	1195.31	2.8%	-	-	-	32	-	
	2.4	2.5	53+56	-	53+43	UNION	1197.39	1197.30	0.7%	-	14	-	-	-	
	2.5	2.0	53+43	-	52+94	UNION	1196.80	1196.44	0.7%	-	-	-	52	-	
	3.4	3.0	57+82	-	58+12	DACOTAH	1191.52	1190.88	2.0%	-	32	-	-	-	
	3.5	3.0	58+08	-	58+12	DACOTAH	1190.63	1190.53	0.6%	-	20	-	-	-	
	3.1	3.2	58+49	-	58+29	DACOTAH	1191.97	1191.64	1.7%	-	22	-	-	-	
	3.2	3.3	58+29	-	58+12	DACOTAH	1191.64	1191.22	1.8%	-	24	-	-	-	
	3.3	3.0	58+12	-	58+12	DACOTAH	1191.22	1191.12	0.8%	-	14	-	-	-	
	3.0	4.0	58+12	-	58+39	DACOTAH	1189.87	1189.77	0.4%	-	-	-	-	28	
	5.0	4.0	59+32	-	58+39	DACOTAH	1189.26	1188.80	0.5%	-	-	-	-	94	
	5.1	5.2	59+52	-	59+42	DACOTAH	1190.23	1190.13	1.0%	-	10	-	-	-	
	5.2	5.3	59+42	-	59+32	DACOTAH	1190.13	1190.03	1.0%	-	10	-	-	-	
	5.3	5.0	59+32	-	59+32	DACOTAH	1189.75	1189.65	0.6%	-	-	20	-	-	
	5.4	5.5	59+22	-	59+32	DACOTAH	1190.50	1190.40	1.0%	-	10	-	-	-	
	5.6	5.5	59+42	-	59+32	DACOTAH	1190.00	1189.90	1.0%	-	10	-	-	-	
	5.5	5.0	59+32	-	59+32	DACOTAH	1189.50	1189.35	1.3%	-	-	14	-	-	
	4.0	6.0	58+39	-	58+39	DACOTAH	1188.80	1188.10	1.8%	-	-	-	-	40	
	7.0	22.0	62+93	-	62+93	ROGERS	1191.50	1189.92	4.1%	-	-	-	-	40	
	8.0	7.0	64+42	-	62+93	ROGERS	1191.80	1191.50	0.2%	-	-	-	-	150	
	8.1	8.2	64+62	-	64+52	ROGERS	1192.50	1192.40	1.0%	-	10	-	-	-	
	8.2	8.3	64+52	-	64+42	ROGERS	1192.40	1192.30	1.0%	-	10	-	-	-	
	8.3	8.0	64+42	-	64+42	ROGERS	1192.30	1192.20	0.8%	-	-	-	14	-	
	8.4	8.5	64+52	-	64+42	ROGERS	1191.94	1191.89	0.5%	-	10	-	-	-	
	8.5	8.0	64+42	-	64+42	ROGERS	1191.89	1191.80	0.5%	-	-	-	20	-	
	9.0	8.0	66+40	-	64+42	ROGERS	1192.47	1190.80	0.3%	-	-	-	-	156	
	9.1	9.0	66+40	-	66+40	ROGERS	1193.53	1191.41	1.0%	-	14	-	-	-	
	9.2	9.0	66+40		66+40	ROGERS	1192.93	1192.75	1.0%	-	20	-	-	-	
	10.0	9.0	67+42	-	66+40	ROGERS	1192.85	1192.47	0.4%	-	-	-	-	142	
	10.1	10.0	67+42	-	67+42	ROGERS	1194.22	1194.10	1.0%	-	14	-	-	-	
	11.0	10.0	68+32	-	67+42	ROGERS	1194.19	1192.85	0.6%	-	-	-	-	90	

CONTINUED NEXT PAGE

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STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STATION	TO	STATION	LOCATION	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	522.1024 APRON ENDWALLS FOR REINFORCED CONCRETE 24-INCH EACH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	REMARKS
0010	11.1	11.0	68+32	-	68+32	ROGERS	1194.65	1194.45	1.1%	-	14	-	-	-	
	12.0	11.0	69+48	-	68+32	ROGERS	1196.00	1194.19	1.6%	-	-	-	-	116	
	12.1	12.2	69+56	-	69+48	ROGERS	1197.10	1197.00	1.2%	-	8	-	-	-	
	12.2	12.0	69+48	-	69+48	ROGERS	1197.00	1196.84	0.9%	-	20	-	-	-	
	13.0	12.0	70+25	-	69+48	ROGERS	1198.10	1197.00	1.4%	-	-	-	-	78	
	13.1	13.2	70+52	-	70+25	ROGERS	1201.75	1201.20	2.0%	-	28	-	-	-	
	13.2	13.0	70+25	-	70+25	ROGERS	1201.20	1200.00	3.8%	-	32	-	-	-	
	14.0	13.0	70+75	-	70+25	ROGERS	1200.20	1199.80	0.8%	-	50	-	-	-	
	14.1	14.0	70+75	-	70+75	ROGERS	1201.10	1201.00	0.8%	-	14	-	-	-	
	15.1	15.0	79+00	-	79+00	DIAMOND OAKS	1180.92	1180.74	1.0%	-	-	-	20	-	
	15.0	16.0	79+00	-	82+00	DIAMOND OAKS	1180.23	1167.03	4.4%	-	-	-	-	300	
	16.1	16.0	82+00	-	82+00	DIAMOND OAKS	1167.91	1167.73	1.0%	-	-	-	20	-	
	16.2	16.0	82+00	-	82+00	DIAMOND OAKS	1167.79	1167.57	1.0%	-	14	-	-	-	
	16.0	17.0	82+00	-	83+58	DIAMOND OAKS	1165.11	1157.84	4.6%	-	-	-	-	158	
	17.1	17.0	83+58	-	83+58	DIAMOND OAKS	1158.80	1158.60	1.1%	-	-	-	20	-	
	17.2	17.0	83+58	-	83+58	DIAMOND OAKS	1158.64	1158.52	1.0%	-	14	-	-	-	
	17.0	18.0	83+58	-	86+68	DIAMOND OAKS	1155.83	1142.19	4.4%	-	-	-	-	310	
	18.0	19.0	86+68	-	87+50	DIAMOND OAKS	1139.50	1137.86	1.9%	1	-	-	-	88	
	20.1	20.2	9+52"Q"	-	9+32"Q"	DIAMOND OAKS	1160.20	1160.09	0.5%	-	24	-	-	-	
								TOTAL 0010		**1**	**566**	**34**	**252**	**1790**	

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CONCRETE CURB & GUTTER 30-INCH TYPE D

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 LF	REMARKS
0010	50+41	-	52+60	LT	285	
	50+41	-	52+59	RT	270	
	52+94	-	58+28	LT	575	
	52+89	-	58+24	RT	590	
	58+51	-	62+27	LT	405	
	58+54	-	62+82	RT	460	
	62+47	-	70+24	LT	805	
	63+13	-	67+85	RT	505	
	68+13	-	83+90	RT	1,650	
	70+54	-	83+87	LT	1,390	
	84+06	-	86+69	LT	305	
	84+25	-	86+69	RT	295	
TOTAL 0010					**7,535**	

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION	LOCATION	601.0600 LF	REMARKS
0010	62+22	NW RODGERS	16	
	70+18	NW BISHOP	16	
	70+62	NE BISHOP	16	
TOTAL 0010			**48**	

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

CATEGORY	STATION	TO	STATION	LOCATION	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF	REMARKS
0010	50+32	-	87+84	STH 191	11250	
TOTAL 0010					**11250**	

STEPS AND HANDRAILS

CATEGORY	STATION	TO	STATION	LOCATION	602.1500 CONCRETE STEPS SF	SPV.0090.01 HANDRAILS LF	REMARKS
0010	51+56	-	51+64	PARCEL 9	25	-	
	51+84	-	51+91	PARCEL 2	20	-	
	54+54		54+58	PARCEL 4	10	-	
	55+29	-	55+34	PARCEL 6	10	-	
	56+07	-	56+10	PARCEL 7	15	4	
	56+65	-	56+69	PARCEL 8	25	4	
	57+80	-	57+85	PARCEL 18	25	4	
	59+72	-	59+77	PARCEL 21	35	6	
	60+21		60+26	PARCEL 41	20	-	
	60+43	-	60+48	PARCEL 22	35	6	
	61+15	-	61+19	PARCEL 23	25	4	
	61+42	-	61+47	PARCEL 43	20	-	
	61+58	-	61+62	PARCEL 24	25	4	
	62+62	-	62+66	PARCEL 26	25	4	
	63+47	-	63+51	PARCEL 27	20	4	
	63+81	-	63+85	PARCEL 46	15	2	
	64+19	-	64+23	PARCEL 28	25	4	
	64+99	-	65+02	PARCEL 47	20	6	
	65+03	-	65+07	PARCEL 29	20	3	
	65+78	-	65+82	PARCEL 48	30	6	
	66+55	-	66+58	PARCEL 49	10	-	
	66+66	-	66+70	PARCEL 32	20	3	
	67+18	-	67+21	PARCEL 33	15	3	
	67+44	-	67+48	PARCEL 51	15	-	
	67+82	-	67+86	PARCEL 34	10	-	
	69+26	-	69+29	PARCEL 37	10	-	
	69+86	-	69+90	PARCEL 38	20	3	
	70+85	-	70+89	PARCEL 54	15	-	
	71+71		71+74	PARCEL 56	10	-	
	75+23	-	75+27	PARCEL 61	20	3	
	76+22	-	76+25	PARCEL 62	10	-	
TOTAL 0010					**600**	**73**	

3

CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	REMARKS
0010	47+97	-	49+96	LT	50	8	-	
	49+88	-	49+96	RT	30	8	-	
	50+42	-	51+06	RT	565	10	-	
	50+42	-	51+40	LT	1,040	10	-	
	51+39	-	52+12	RT	425	-	-	
	51+50	-	51+63	LT	100	-	-	
	51+75	-	52+59	LT	650	10	-	
	51+84	-	51+91	LT	40	-	-	
	52+28	-	52+57	RT	160	-	11	
	52+92	-	54+19	RT	850	10	-	
	52+98	-	55+02	LT	1,165	10	-	
	54+38	-	54+76	RT	190	-	-	
	54+90	-	55+34	RT	240	-	-	
	55+11	-	55+78	LT	335	-	-	
	55+29	-	55+34	LT	30	-	-	
	55+49	-	55+61	RT	65	-	-	
	55+72	-	56+70	RT	560	-	-	
	55+89	-	58+27	LT	1,190	-	-	
	56+07	-	56+09	LT	15	-	-	
	56+65	-	56+69	LT	15	-	-	
	56+93	-	57+11	RT	90	-	-	
	57+38	-	58+23	RT	450	10	-	
	57+80	-	57+84	LT	25	10	-	
	58+55	-	58+83	RT	140	10	-	
	58+53	-	62+26	LT	1,985	10	-	
	59+08	-	59+74	RT	330	-	-	
	59+72	-	59+76	LT	25	-	-	
	59+90	-	60+57	RT	335	-	-	
	60+21	-	60+25	RT	20	-	-	
	60+43	-	60+48	LT	25	-	-	
	60+71	-	61+10	RT	190	-	-	
	61+15	-	61+19	LT	20	-	-	
	61+28	-	62+81	RT	790	10	-	
	61+42	-	91+47	RT	25	-	-	
	61+58	-	91+62	LT	20	10	-	
	62+48	-	65+39	LT	1,460	10	-	
	63+15	-	64+18	RT	515	10	-	
	63+47	-	63+51	LT	20	-	-	
	63+81	-	63+85	RT	20	-	-	
	64+18	-	64+24	LT	40	-	-	

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CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	REMARKS
0010	64+34	-	66+07	RT	870	-	-	
	64+99	-	65+02	RT	15	-	-	
	65+03	-	65+03	LT	25	-	-	
	65+48	-	66+09	LT	300	-	-	
	65+78	-	65+82	RT	40	-	-	
	66+16	-	67+01	RT	420	-	-	
	66+20	-	68+21	LT	1,000	-	-	
	66+55	-	66+58	RT	15	-	-	
	66+66	-	66+70	LT	20	-	-	
	67+19	-	67+84	RT	320	10	-	
	67+18	-	67+21	LT	15	-	-	
	66+44	-	67+47	RT	20	-	-	
	68+15	-	68+69	RT	270	10	-	
	68+28	-	68+44	LT	80	-	-	
	68+54	-	70+23	LT	845	-	-	
	68+80	-	69+23	RT	215	-	-	
	69+26	-	69+29	LT	20	-	-	
	69+34	-	69+69	RT	175	-	-	
	69+86	-	69+91	LT	35	-	-	
	69+94	-	72+90	RT	1,480	10	-	
	70+55	-	71+06	LT	255	10	-	
	70+84	-	70+88	LT	20	-	-	
	71+15	-	71+51	LT	180	-	-	
	71+60	-	73+03	LT	775	-	-	
	73+16	-	75+55	RT	1,200	-	-	
	73+24	-	73+38	LT	70	-	-	
	73+56	-	75+45	LT	970	-	-	
	75+23	-	75+26	LT	15	-	-	
	75+60	-	77+48	LT	940	-	-	
	75+71	-	78+48	RT	1,400	-	-	
	76+22	-	76+25	LT	15	-	-	
	77+67	-	78+36	LT	350	10	-	
	78+73	-	83+80	RT	2,525	10	13	
				TOTAL 0010	**29,135**	**206**	**24**	

RIP RAP ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	87+50	-	87+60		11	30	
				TOTAL 0010	**11**	**30**	

WATER

CATEGORY	LOCATION	624.0100 MGAL	REMARKS
0010	PROJECT 5953-04-71	110	
	TOTAL 0010	**110**	

TRACKING PADS

CATEGORY	STATION	TO	STATION	LOCATION	628.7560 EACH	REMARKS
0010	50+32	-	87+84		3	
				TOTAL 0010	**3**	

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	REMARKS
0010	52+28	-	52+50	RT	50	100	
	53+00	-	70+39	RT	1,950	3,900	
	73+76	-	82+92	LT	1,000	2,000	
	80+50	-	86+80		500	1,000	
				TOTAL 0010	**3,500**	**7,000**	

ADJUSTING COVERS

CATEGORY	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	REMARKS
0010	9+32"Q"	LT 18'	-	1	DIAMOND OAKS DRIVE
	9+32"Q"	RT 18'	-	1	DIAMOND OAKS DRIVE
	83+73	LT 40'	1	-	STH 191
		TOTAL 0010	**1**	**2**	

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	REMARKS
0010	51+51	-	52+60	LT	-	65	
	52+43	-	52+59	RT	-	10	
	52+90	-	58+24	RT	-	330	
	52+95	-	58+28	LT	-	575	
	58+54	-	62+82	RT	-	345	
	58+51	-	62+27	LT	-	610	
	63+13	-	67+85	RT	-	655	
	62+48	-	70+24	LT	-	955	
	68+14	-	83+90	RT	-	1,480	
	70+54	-	83+86	LT	-	2,640	
	84+26	-	93+00	RT	-	1,740	
	83+95	-	87+66	LT	-	165	
	84+26	-	87+50	RT	-	140	
	87+50	-	93+00	RT	1,620	-	
	UNDISTRIBUTED				10	970	
				TOTAL 0010	**1,630**	**10,680**	

INLET, MANHOLE AND COVERS

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	611.0550 MANHOLE COVERS TYPE M EACH	611.0639 INLET COVERS TYPE H-S EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	REMARKS
0010	1.1	52+42	UNION	12.9 L	-	1	-	-	-	-	1	
	1.2	52+42	UNION	24.0 R	-	1	-	-	-	-	1	
	2.1	52+62	UNION	32.0 L	-	1	-	-	-	-	1	
	2.2	52+62	UNION	46.0 L	-	1	-	-	-	-	1	
	MH 1.0	52+80	UNION	22.0 R	1	-	-	-	-	1	-	
	1.3	52+89	UNION	30.9 R	-	1	-	-	-	-	1	
	MH 2.0	52+94	UNION	5.0 L	1	-	-	-	-	1	-	
	2.3	52+94	UNION	46.0 L	-	1	-	-	-	-	1	
	2.5	53+43	UNION	18.0 L	-	1	-	-	-	-	1	
	2.4	53+56	UNION	18.0 L	-	1	-	-	-	-	1	
	3.4	57+82	DACOTAH	18.0 L	-	1	-	-	-	-	1	
	3.5	58+08	DACOTAH	12.0 R	-	1	-	-	-	-	1	
	MH 3.0	58+12	DACOTAH	6.0 L	1	-	-	-	1	-	-	
	3.3	58+12	DACOTAH	18.0 L	-	1	-	-	-	-	1	
	3.2	58+29	DACOTAH	33.3 L	-	1	-	-	-	-	1	
	MH 4.0	58+39	DACOTAH	6.0 L	1	-	-	-	1	-	-	
	MH 6.0	58+39	DACOTAH	34.0 R	1	-	1	-	-	-	-	
	3.1	58+49	DACOTAH	36.5 L	-	1	-	-	-	-	1	
	5.4	59+22	DACOTAH	18.0 L	-	1	-	-	-	-	1	
	MH 5.0	59+32	DACOTAH	6.0 L	1	-	-	1	-	-	-	
	5.5	59+32	DACOTAH	18.0 L	-	1	-	-	-	-	1	
	5.3	59+32	DACOTAH	12.0 R	-	1	-	-	-	-	1	
	5.2	59+42	DACOTAH	12.0 R	-	1	-	-	-	-	1	
	5.6	59+42	DACOTAH	18.0 L	-	1	-	-	-	-	1	
	5.1	59+52	DACOTAH	12.0 R	-	1	-	-	-	-	1	
	MH 7.0	62+93	ROGERS	6.0 L	1	-	-	-	1	-	-	
	MH 22.0	62+93	ROGERS	33.0 R	1	-	1	-	-	-	-	
	MH 8.0	64+42	ROGERS	6.0 L	1	-	-	-	1	-	-	
	8.3	64+42	ROGERS	18.0 L	-	1	-	-	-	-	1	
	8.5	64+42	ROGERS	12.0 R	-	1	-	-	-	-	1	
	8.2	64+52	ROGERS	18.0 L	-	1	-	-	-	-	1	
	8.4	64+52	ROGERS	12.0 R	-	1	-	-	-	-	1	
	8.1	64+62	ROGERS	18.0 L	-	1	-	-	-	-	1	
	MH 9.0	66+40	ROGERS	6.0 L	1	-	-	1	-	-	-	
	9.1	66+40	ROGERS	18.0 L	-	1	-	-	-	-	1	
	9.2	66+40	ROGERS	12.0 R	-	1	-	-	-	-	1	

CONTINUED NEXT PAGE

INLET, MANHOLE AND COVERS

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	611.0550 MANHOLE COVERS TYPE M EACH	611.0639 INLET COVERS TYPE H-S EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	REMARKS
0010	MH 10.0	67+42	ROGERS	6.0 L	1	-	-	1	-	-	-	
	10.1	67+42	ROGERS	18.0 L	-	1	-	-	-	-	1	
	MH 11.0	68+32	ROGERS	6.0 L	1	-	-	1	-	-	-	
	11.1	68+32	ROGERS	12.0 R	-	1	-	-	-	-	1	
	MH 12.0	69+48	ROGERS	6.0 L	1	-	-	1	-	-	-	
	12.2	69+48	ROGERS	12.0 R	-	1	-	-	-	-	1	
	12.1	69+56	ROGERS	12.0 R	-	1	-	-	-	-	1	
	MH 13.0	70+25	ROGERS	6.0 L	1	-	-	1	-	-	-	
	13.2	70+25	ROGERS	38.0 L	-	1	-	-	-	-	1	
	13.1	70+52	ROGERS	38.0 L	-	1	-	-	-	-	1	
	MH 14.0	70+75	ROGERS	6.0 L	1	-	1	-	-	-	-	
	14.1	70+75	ROGERS	18.0 L	-	1	-	-	-	-	1	
	MH 15.0	79+00	DIAMOND OAKS	6.0 L	1	-	-	1	-	-	-	
	15.1	79+00	DIAMOND OAKS	12.0 R	-	1	-	-	-	-	1	
	MH 16.0	82+00	DIAMOND OAKS	6.0 L	1	-	-	1	-	-	-	
	16.1	82+00	DIAMOND OAKS	12.0 R	-	1	-	-	-	-	1	
	16.2	82+00	DIAMOND OAKS	18.0 L	-	1	-	-	-	-	1	
	MH 17.0	83+58	DIAMOND OAKS	5.9 L	1	-	-	1	-	-	-	
	17.1	83+58	DIAMOND OAKS	12.0 R	-	1	-	-	-	-	1	
	17.2	83+58	DIAMOND OAKS	18.0 L	-	1	-	-	-	-	1	
	20.1	83+86	DIAMOND OAKS	47.5 R	-	1	-	-	-	-	1	
	MH 18.0	86+68	DIAMOND OAKS	6.0 L	1	-	-	1	-	-	-	
			TOTAL 0010		**19**	**39**	**3**	**10**	**4**	**2**	**39**	

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	REMARKS
0010	52+42 191	LT	1	-	
	52+42 191	RT	1	-	
	10+32 U	LT	1	-	
	10+46 U	LT	1	-	
	10+46 U	RT	1	-	
	9+69 U	RT	1	-	
	53+43 191	LT	1	-	
	53+56 191	LT	1	-	
	52+59 191	LT	1	-	
	52+59 191	RT	1	-	
	57+82 191	LT	1	-	
	58+08 191	RT	1	-	
	58+12 191	LT	1	-	
	58+15 191	LT	1	-	
	10+33 D	LT	1	-	
	10+37 D	RT	1	-	
	59+10 191	LT	1	-	
	59+10 191	RT	1	-	
	59+22 191	LT	1	-	
	59+32 191	LT	-	1	
	59+32 191	RT	-	1	
	59+32 191	LT	1	-	
	59+42 191	RT	1	-	
	59+52 191	RT	1	-	
	62+75 191	LT	1	-	
	62+80 191	RT	1	-	
	63+74 191	LT	1	-	
	63+76 191	RT	1	-	
	64+42 191	LT	-	1	
	64+42 191	RT	-	1	
	64+52 191	LT	1	-	
	64+52 191	RT	1	-	
	64+62 191	LT	1	-	
	66+40 191	LT	1	-	
	66+40 191	RT	1	-	
	67+42 191	LT	1	-	
	68+32 191	RT	1	-	
	69+48 191	RT	1	-	
	69+56 191	RT	1	-	
	10+38 B	LT	1	-	
	10+38 B	RT	1	-	
	70+75 191	LT	1	-	

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	REMARKS
0010	79+00 191	RT	1	-	
	82+00 191	LT	1	-	
	82+00 191	RT	1	-	
	83+58 191	LT	1	-	
	83+58 191	RT	1	-	
	9+53 Q	LT	1	-	
	9+53 Q	LT	1	-	
	9+32 Q	RT	1	-	
	9+32 Q	RT	1	-	
	9+32 Q	LT	1	-	
	9+32 Q	LT	1	-	
	TOTAL 0010		**49**	**4**	

TEMPORARY DITCH CHECKS

CATEGORY	STATION	TO	STATION	LOCATION	628.7504 LF	REMARKS
0010	86+80	-	93+10		120	
				TOTAL 0010	**120**	

COVER PLATES TEMPORARY

CATEGORY	STATION	TO	STATION	LOCATION	611.8120.S EACH	REMARKS
0010	50+32	-	87+84	PROJECT	19	
				TOTAL 0010	**19**	

LANDSCAPE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	REMARKS
0010	51+51	-	52+60	LT	60	-	0.05	-	1	2	-	-	
	52+43	-	52+59	RT	10	-	0.05	-	1	2	-	-	
	52+90	-	58+24	RT	350	-	0.25	-	5	10	-	-	
	52+95	-	58+28	LT	600	-	0.50	-	10	20	-	-	
	58+54	-	62+82	RT	350	-	0.25	-	5	10	-	-	
	58+51	-	62+27	LT	610	-	0.50	-	11	20	-	-	
	63+13	-	67+85	RT	660	-	0.50	-	12	20	-	-	
	62+48	-	70+24	LT	960	-	0.50	-	20	25	-	-	
	68+14	-	83+90	RT	1,500	-	1.00	-	30	40	-	-	
	70+54	-	83+86	LT	2,650	-	2.00	-	50	70	-	-	
	84+26	-	93+00	RT	170	-	0.10	-	30	50	-	-	
	83+95	-	87+66	LT	170	-	0.10	-	5	5	-	-	
	84+26	-	87+50	RT	140	-	0.10	-	5	5	8	9	
	87+50	-	93+00	RT	1,620	-	0.10	30	-	5	-	-	
				UNDISTRIBUTED	900	500	-	2	5	30	1	1	
				TOTAL 0010	**10,750**	**500**	**6**	**32**	**190**	**314**	**9**	**10**	

PIPE UNDERDRAIN ITEM

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.02 PIPE UNDERDRAINED WRAPPED 6-INCH AND AGGREGATE LF	REMARKS
0010	51+92	-	52+42	STH 191 - RT	50	
0010	51+92	-	52+42	STH 191 - LT	50	
0010	52+93	-	53+43	STH 191 - LT	50	SAG
0010	53+56	-	54+06	STH 191 - LT	50	SAG
0010	57+32	-	57+82	STH 191 - LT	50	
0010	57+82	-	58+12	STH 191 - LT	30	
0010	57+58	-	58+08	STH 191 - RT	50	
0010	58+72	-	59+92	STH 191 - LT	115	SAG
0010	58+82	-	60+02	STH 191 - RT	115	SAG
0010	63+25	-	67+75	STH 191 - LT	450	
0010	63+25	-	67+75	STH 191 - RT	450	
0010	68+32	-	68+82	STH 191 - RT	50	
0010	69+56	-	70+06	STH 191 - RT	50	
0010	70+75	-	71+25	STH 191 - LT	50	
0010	78+50	-	79+00	STH 191 - RT	50	
0010	81+50	-	82+00	STH 191 - LT	50	
0010	81+50	-	82+00	STH 191 - RT	50	
0010	83+08	-	83+58	STH 191 - LT	50	
0010	83+08	-	83+58	STH 191 - RT	50	
				TOTAL 0010	**1860**	

3

SIGNS TYPE II REFLECTIVE

CATEGORY	SIGN NUMBER	STATION	LOCATION	SIGN CODE	SIZE (IN)	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	SIGN MESSAGE
0010	1 1	50+54	LT	J13-1	24"X45"	-	-	1	7.5	-	DIRECTIONAL WITHOUT CARDINAL
	1 2	50+54	LT	R1-1	36"X36"	-	-	-	7.5	-	STOP
	1 3	52+31	LT	W3-1	36"X36"	-	1	-	-	9.0	STOP AHEAD
	1 4	52+56	LT	R1-1	36"X36"	-	1	-	7.5	-	STOP
	1 5	52+93	RT	R1-1	36"X36"	-	-	-	7.5	-	STOP
	1 6	53+33	RT	J4-1	24"X36"	-	1	-	6.0	-	REASSURANCE ASSEMBLY
	1 7	54+50	LT	J2-1	24"X57"	-	1	-	9.5	-	ROUTE TURN ASSEMBLY
	1 8	54+49	RT	R2-1	24"X30"	1	-	-	5.0	-	SPEED LIMIT 25 MPH
	1 9	55+51	LT	J2-1	24"X57"	-	1	-	9.5	-	ROUTE TURN ASSEMBLY
	1 10	57+01	LT	JV	24"X75"	-	-	1	12.5	-	JUNCTION ASSEMBLY
	2 1	58+25	LT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	2 2	58+61	RT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	2 3	60+50	LT	R2-1	24"X30"	1	-	-	5.0	-	SPEED LIMIT 25 MPH
	2 4	62+25	LT	R1-1	30"X30"	-	-	-	5.2	-	STOP
	2 5	63+19	RT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	2 6	63+48	RT	R2-1	24"X30"	1	-	-	5.0	-	SPEED LIMIT 25 MPH
	3 1	68+19	RT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	3 2	69+51	LT	R2-1	24"X30"	1	-	-	5.0	-	SPEED LIMIT 25 MPH
	3 3	70+19	LT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	3 4	71+00	RT	R2-1	24"X30"	1	-	-	5.0	-	SPEED LIMIT 25 MPH
	4 1	79+09	LT	R2-1	24"X30"	-	1	-	5.0	-	SPEED LIMIT 25 MPH
	4 2	79+14	RT	R2-1	24"X30"	-	1	-	5.0	-	SPEED LIMIT 25 MPH
	5 1	81+28	LT	I2-3	72"X24"	2	-	-	12.0	-	DODGEVILLE POPULATION 4693
	5 2	83+80	LT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	5 3	84+29	RT	R1-1	30"X30"	1	-	-	5.2	-	STOP
	5 4	88+00	RT	R59-51	36"X36"	1	-	-	9.0	-	STOP FOR BUS FLASHING LIGHTS
	6 1	93+68	RT	W3-1	36"X36"	-	1	-	-	9.0	STOP AHEAD
				TOTAL 0010		**15**	**8**	**2**	**165**	**18**	

REMOVING SIGNS

CATEGORY	SIGN NUMBER	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MESSAGE
0010	R1-1	52+45	LT	1	1	JUNCTION ASSEMBLY
	R1-2	54+52	LT	1	1	REASSURANCE ASSEMBLY
	1-1	50+54	LT	1	1	DIRECTIONAL WITHOUT CARDINAL
	1-2	50+54	LT	1	-	STOP
	1-4	52+56	LT	1	1	STOP
	1-5	52+93	RT	1	1	STOP
	1-6	53+33	RT	1	1	REASSURANCE ASSEMBLY
	2-1	58+25	LT	1	1	STOP
	2-2	58+61	RT	1	1	STOP
	2-4	62+25	LT	1	1	SPEED LIMIT 25 MPH
	2-5	63+19	RT	1	1	STOP
	R3-1	70+51	RT	1	1	SPEED LIMIT 25 MPH
	3-1	63+19	RT	1	1	STOP
	4-1	79+09	LT	1	1	SPEED LIMIT 25 MPH
	4-2	79+14	RT	1	1	SPEED LIMIT 25 MPH
	R5-1	86+81	RT	1	1	STOP AHEAD
	5-1	81+28	LT	2	1	COMMUNITY POPULATION NAME SIGN
	5-2	83+80	LT	1	1	STOP
	5-3	84+29	RT	1	1	STOP
	5-4	88+00	RT	1	1	STOP FOR BUS FLASHING LIGHTS
	R6-1	90+75	LT	1	1	SPEED LIMIT 35 MPH
TOTAL 0010				**22**	**20**	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	50+32	-	87+84	STH 191	57	3,750	3,750	7,535	21	3,750	
TOTAL 0010					**57**	**3,750**	**3,750**	**7,535**	**21**	**3,750**	

3

TRAFFIC CONTROL ITEMS

CATEGORY	STATION	TO	STATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	REMARKS
0010	50+32	-	87+84	3975	3340	3500	4770	
	50+32	-	87+84	-	1190	2185	1955	PEDESTRIAN
			TOTAL 0010	**3975**	**4530**	**5685**	**6725**	

TRAFFIC CONTROL DETOUR

CATEGORY	STATION	TO	STATION	LOCATION	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	REMARKS
0010	50+32	-	87+84	PROJECT	5	28	ONLY 1 CYCLE
				TOTAL 0010	**5**	**28**	

3

TEMPORARY PEDESTRIAN ACCESS

CATEGORY	STATION	TO	STATION	LOCATION	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	644.1420.S TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF	REMARKS
0010	49+00	-	93+96	USH 191	510	910	8	120	STAGE 1
	49+00	-	93+96	USH 191	510	940	2	50	STAGE 2
	49+00	-	51+00	USH 191	45	-	2	40	STAGE 3
	49+00	-	51+00	USH 191	45	-	2	40	STAGE 4
	UNDISTRIBUTED				-	400	-	60	
				TOTAL 0010	**1110**	**2250**	**14**	**310**	

PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	REMARKS
0010	50+72	-	52+24	STH 191	385	50	-	-	
	53+10	-	70+69	STH 191	1,605	440	-	-	
	70+69	-	87+84	STH 191	1,750	3,430	-	-	
	49+87	-	50+50	STH 191	-	-	-	160	
	50+54	-	87+84	STH 191	-	-	165	-	
	100+80	-	101+29	STH 23	-	-	-	200	
				TOTAL 0010	**3,740**	**3,920**	**165**	**360**	

SAWING PAVEMENT

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	50+32	STH 191	100	-	
	50+45	STH 191 RT	-	10	
	50+45	STH 191 LT	-	13	
	51+22	STH 191 RT	41	-	
	51+60	STH 191 RT	-	8	
	51+69	STH 191 LT	12	-	
	51+87	STH 191 LT	-	7	
	52+20	STH 191 RT	16	-	
	9+38	UNION ST	27	8	
	10+53	UNION ST	30	8	
	53+65	STH 191 RT	-	3	
	54+11	STH 191 RT	-	2	
	54+66	STH 191 LT	-	4	
	54+83	STH 191 RT	-	14	
	55+15	STH 191 RT	-	4	
	55+31	STH 191 LT	-	5	
	55+41	STH 191 RT	14	-	
	55+66	STH 191 RT	-	10	
	55+96	STH 191 RT	-	9	
	56+08	STH 191 LT	-	2	
	56+59	STH 191 RT	-	4	
	56+67	STH 191 LT	-	4	
	57+25	STH 191 RT	-	26	
	57+76	STH 191 RT	-	4	
	57+82	STH 191 LT	-	5	
	9+63	DACOTAH ST	25	5	
	10+42	DACOTAH ST	20	5	
	10+57	DACOTAH ST	-	4	
	58+96	STH 191 RT	-	25	
	59+74	STH 191 LT	-	4	
	60+23	STH 191 RT	-	3	
	60+45	STH 191 LT	-	5	
	60+64	STH 191 RT	-	15	
	61+17	STH 191 LT	-	4	
	61+44	STH 191 RT	-	5	
	61+60	STH 191 LT	-	4	
	62+43	STH 191 RT	-	3	
	9+63	RODGER ST	27	5	
	10+38	RODGER ST	19	-	
	62+64	STH 191 LT	-	5	

3

SAWING PAVEMENT

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	63+49	STH 191 LT	-	4	
	63+83	STH 191 RT	-	4	
	64+22	STH 191 LT	-	5	
	65+00	STH 191 RT	-	3	
	65+05	STH 191 LT	-	4	
	65+80	STH 191 RT	-	4	
	66+14	STH 191 LT	11	-	
	66+56	STH 191 RT	-	3	
	66+68	STH 191 LT	-	4	
	67+06	STH 191 RT	-	20	
	67+20	STH 191 LT	-	3	
	67+46	STH 191 RT	-	4	
	67+84	STH 191 LT	-	4	
	9+63	GARDEN LN	24	5	
	68+25	STH 191 LT	8	-	
	68+49	STH 191 LT	10	-	
	68+75	STH 191 RT	-	10	
	69+28	STH 191 LT	-	4	
	69+28	STH 191 RT	-	10	
	69+81	STH 191 RT	-	26	
	69+89	STH 191 LT	-	5	
	10+43	BISHOP ST	26	5	
	70+86	STH 191 LT	-	5	
	71+11	STH 191 LT	10	-	
	72+73	STH 191 LT	-	3	
	73+05	STH 191 RT	16	-	
	73+14	STH 191 LT	-	21	
	73+47	STH 191 LT	-	17	
	73+78	STH 191 LT	-	3	
	75+25	STH 191 LT	-	3	
	75+53	STH 191 LT	-	16	
	75+63	STH 191 RT	16	-	
	76+24	STH 191 LT	-	3	
	77+58	STH 191 LT	18	-	
	78+60	STH 191 RT	35	-	
	9+19	QUARRY ST	36	5	
	10+96	DIAMOND OAKS DR	25	-	
	87+84	STH 191	24	-	
		TOTAL 0010	**590**	**445**	

CONNECT STORM SEWER MANHOLE TO EXISTING STORM SEWER PIPE

CATEGORY	STATION	LOCATION	SPV.0060.01 CONNECT STORM SEWER MANHOLE TO EXISTING STORM SEWER PIPE EACH	REMARKS
0010	52+80	UNION ST.	1	18" HDPE
0010	58+38	DACOTAH ST.	1	15" RCCP
0010	62+93	ROGER ST.	1	15" RCCP
		TOTAL 0010	**3**	

LANDMARK REFERENCE MONUMENTS

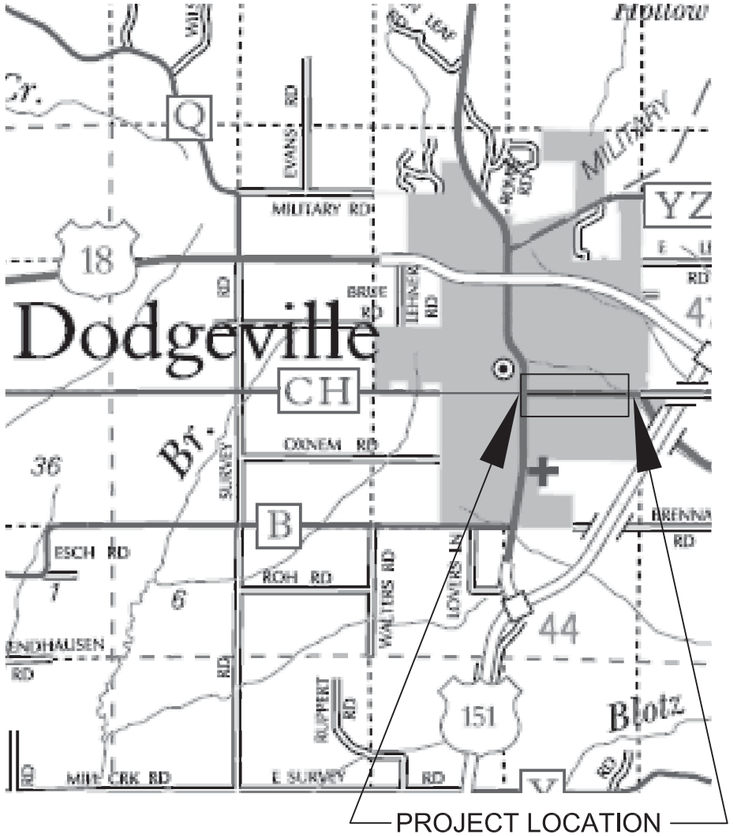
CATEGORY	STATION	LOCATION	SPV.0060.02 LANDMARK REFERENCE MONUMENTS EACH
0010	70+39	STH 191	1
		TOTAL 0010	**1**

CONCRETE SIDEWALLS FOR CONCRETE STEPS

CATEGORY	STATION	LOCATION	SPV.0060.03 CONCRETE SIDEWALLS FOR CONCRETE STEPS EACH	REMARKS
0010	62+64	STH 191	1	402 E. DIVISION STREET
		TOTAL 0010	**1**	

3

CITY OF DODGEVILLE
TRANSPORTATION PROJECT PLAT TITLE SHEET
5953-04-20
CITY OF DODGEVILLE, EAST DIVISION STREET
IOWA STREET TO DIAMOND OAKS DRIVE
S.T.H. 191
IOWA COUNTY



LAYOUT
SCALE 0 1/2 MI.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL (18 / 23 24 / 16 15 / 9)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN — *I-25 — SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP *

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25) — UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5953-04-20

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING CENTERLINE OF PAVEMENT, CERTIFIED SURVEY MAP NO. 1061, JENKIN'S ADDITION TO THE CITY OF DODGEVILLE (ACCORDING TO CRAN'S MAP)(ACCORDING TO LEGATE'S SURVEY), DODGES ADDITION TO THE CITY OF DODGEVILLE, BLACK'S ADDITION (ACCORDING TO CRANE'S MAP), CERTIFIED SURVEY MAP NO. 242, WILSON'S ADDITION (ACCORDING TO CRANE'S MAP), ARTHURS SUBDIVISION, BISHOPS SUBDIVISION, JT CONDOMINIUMS, PLAT OF SURVEY V. 4 P. 293, FILED APRIL 24, 1991, DIAMOND OAKS SUBDIVISION, PLAT CABINET A, PAGE 555, FOUND MONUMENTATION.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF DODGEVILLE.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN IOWA COUNTY, WISCONSIN AT 9:15 AM ON JANUARY 30, 2017 AS COCUMENT # 350377 AND FILED IN TPP-PLAT CAB B PAGE 77

TAYLOR J CAMPBELL, DEPUTY

THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS

SHEET 2 OF 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5953-04-20-4.01
AMENDMENT NO:___

4

TRANSPORTATION PROJECT PLAT NO: 5953-04-20 - 4.01

THAT PART OF LOT 2, CERTIFIED SURVEY MAP NUMBER 1061, AS RECORDED IN VOLUME 7, PAGE 222, AS DOCUMENT NUMBER 294020, ALSO THAT PART OF LOT 7, BLOCK 16, JENKIN'S ADDITION TO THE CITY OF DODGEVILLE ACCORDING TO CRANE'S MAP, ALSO PART OF LOTS 1, 2 AND 3 OF DODGE'S ADDITION TO THE CITY OF DODGEVILLE, PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 27, PART OF LOT 1, BLOCK 3, JENKINS ADDITION TO THE CITY OF DODGEVILLE ACCORDING TO LEGATE'S SURVEY AND PART OF LOT 2, BLOCK 3, JENKIN'S ADDITION TO THE CITY OF DODGEVILLE ACCORDING TO CRANE'S MAP, ALSO PART OF LOTS 1, BLOCK 15, JENKIN'S ADDITION TO THE CITY OF DODGEVILLE ACCORDING TO LEGATE'S SURVEY, ALSO PART OF LOTS 1 AND 4, BLOCK 99, BLACK'S ADDITION TO THE CITY OF DODGEVILLE, ALSO PART OF LOT 2, BLOCK 99, BLACK'S ADDITION AS RECORDED IN BOOK M OF DEEDS, PAGE 182, ALSO PART OF LOT 3, BLOCK 99 IN BLACK'S ADDITION, ACCORDING TO CRANE'S MAP, PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 6 NORTH, RANGE 3 EAST, CITY OF DODGEVILLE, IOWA COUNTY, WISCONSIN.

RELOCATION ORDER CITY OF DODGEVILLE, EAST DIVISION STREET (S.T.H. 191) (IOWA STREET TO DIAMOND OAKS DRIVE)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF DODGEVILLE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF DODGEVILLE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF DODGEVILLE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING CENTERLINE OF PAVEMENT, CERTIFIED SURVEY MAP NO. 1061, JENKIN'S ADDITION TO THE CITY OF DODGEVILLE (ACCORDING TO CRAN'S MAP)(ACCORDING TO LEGATE'S SURVEY), DODGES ADDITION TO THE CITY OF DODGEVILLE, BLACK'S ADDITION (ACCORDING TO CRANE'S MAP), FOUND MONUMENTATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2007) IN US SURVEY FEET. SURVEY COMPLETED JANUARY 2014, WITH DODGEVILLE SOUTH GPS (DH5261) AND DODGEVILLE GPS (NJO992) BASE STATIONS USED. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF DODGEVILLE.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN IOWA COUNTY, WISCONSIN AT 2:00 P.M ON January 30, 2017. AS DOCUMENT # 350377 AND FILED IN TPP- Plat Cab B Page 76

SIGNATURE OF REGISTER OF DEEDS
Taylor J Campbell, Deputy

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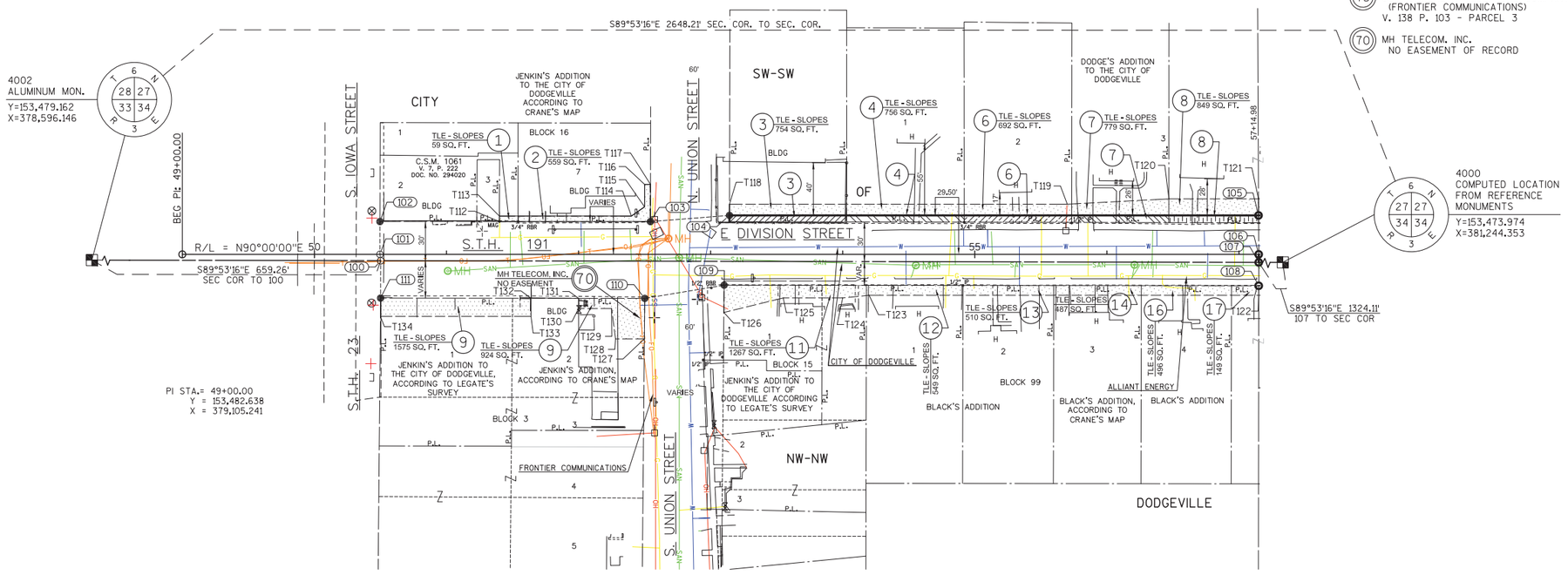
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5953-04-20-4.01
SHEET 1 OF 2
AMENDMENT NO:---

TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T112	51+40.00	24.83'
T113	51+40.03	29.00'
T114	52+40.00	29.00'
T115	52+50.00	36.00'
T116	52+50.00	53.00'
T117	52+54.47	53.00'
T118	53+14.28	38.00'
T119	55+70.00	38.00'
T120	56+46.95	42.00'
T121	57+14.80	42.00'
T122	57+14.98	31.00'
T123	54+20.00	31.00'
T124	54+00.00	33.00'
T125	53+55.00	33.00'
T126	53+10.02	44.00'
T127	52+49.85	64.00'
T128	52+28.00	64.00'
T129	52+25.00	41.00'
T130	52+00.00	41.00'
T131	52+00.00	33.30'
T132	51+64.00	33.25'
T133	51+64.00	47.00'
T134	50+50.00	47.00'

R/W POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
100	50+50.17	4.77'
101	50+49.64	0.00'
102	50+49.64	24.82'
103	52+54.41	24.83'
104	53+14.26	29.50'
105	57+14.86	29.50'
106	57+14.98	0.00'
107	57+15.01	6.07'
108	57+14.99	23.80'
109	53+10.21	23.32'
110	52+50.12	33.36'
111	50+50.11	33.11'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
4002-100	S89°53'16"E	659.26'
100-101	N06°17'14"W	4.80'
101-102	N00°00'00"E	24.82'
102-103	N89°59'51"E	204.77'
103-104	N85°32'29"E	60.03'
104-105	N90°00'00"E	400.60'
105-106	S00°14'47"E	29.50'
106-107	S00°14'47"E	6.07'
107-108	S00°04'17"W	17.73'
108-109	N89°55'59"W	404.78'
109-110	S80°31'03"W	60.92'
110-111	N89°55'38"W	200.01'
111-100	N00°06'44"E	28.34'



(72) WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)
V. 171 P. 251 - PARCELS 12 & 17
V. 171 P. 249 - PARCEL 13
V. 171 P. 254 - PARCEL 16
V. 173 P. 255 - PARCEL 14

(73) WISCONSIN TELEPHONE COMPANY (FRONTIER COMMUNICATIONS)
V. 95 P. 523 - PARCEL 2

(73) COMMONWEALTH TELEPHONE COMPANY (FRONTIER COMMUNICATIONS)
V. 138 P. 103 - PARCEL 3

(70) MH TELECOM. INC. NO EASEMENT OF RECORD

R-2-E R-3-E

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
70	MH TELECOM, INC.	RELEASE OF RIGHTS
72	WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)	RELEASE OF RIGHTS
73	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	SQ. FT. EXISTING	REQUIRED TOTAL	TLE SQ. FT.
1	VIRGINIA M. AND ROBERT W. HELIN	TLE	--	--	--	59
2	TOWN & COUNTRY INSURANCE SERVICES, INC.	TLE	--	--	--	559
3	T & T KENYON, LLC	FEE/TLE	432	--	432	754
4	STEPHANIE ANN ESSER	FEE/TLE	449	--	449	756
6	MICHAEL F. AND PAULA K. FRENCH	FEE/TLE	424	--	424	692
7	TORY E. AND CATHY BRENNUM	FEE/TLE	395	--	395	779
8	RONALD A. FREY AND JOAN M. JANSSEN	FEE/TLE	374	--	374	849
9	ZIETLOW FAMILY REAL ESTATE HOLDINGS, LLC	TLE	--	--	--	2499
11	CHIP PROPERTY RENTALS, LLC	TLE	--	--	--	1267
12	SUSAN ANDERSON	TLE	--	--	--	549
13	BEVERLY T. ANDREWS	TLE	--	--	--	510
14	SCOTT AND JACKIE HAAG	TLE	--	--	--	487
16	KEENAN PROPERTIES, LLC	TLE	--	--	--	496
17	JEROME P. AND NANCY R. WEIER	TLE	--	--	--	149

ALL AREAS SHOWN IN SQUARE FEET (SQ. FT.) UNLESS OTHERWISE NOTED

N

0 25' 50' 100'
SCALE 1" = 50'

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

CITY OF DODGEVILLE

I, MICHAEL J. PIERING PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF DODGEVILLE, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

SIGNATURE: _____ DATE: 01/11/17
PRINT NAME: Michael J. Piering
REGISTRATION NUMBER: S-2521

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF DODGEVILLE

SIGNATURE: _____ DATE: 01/30/17
PRINT NAME: TODD D. NOVAK, MAYOR

FILE NAME : J:\JSD PROJECTS\13C5889-1A STH 191\1A STH 191 TPP\DWG\TPP 5953-04-20-4.01 SHT 191.DWG
PLOT DATE : 1/11/2017 1:30 PM PLOT BY : MIKE PIERING PLOT NAME : PLOT SCALE : ==========
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 5953-04-20 - 4.02 AMENDMENT NO: 1
AMENDS UTILITY NUMBER 72 OF TRANSPORTATION PROJECT PLAT 5953-04-4.02 RECORDED AS DOCUMENT NO: 350493

THAT PART OF LOTS 6, 18, 19 AND 20, DODGE'S ADDITION TO THE CITY OF DODGEVILLE, PART OF LOT 46, WILSON'S ADDITION TO THE CITY OF DODGEVILLE, PART OF LOT 46, WILSON'S ADDITION ACCORDING TO CRANE'S MAP, PART OF LOTS 1 AND 2, BISHOP'S SUBDIVISION IN THE CITY OF DODGEVILLE, PART OF LOTS 1, 3, 4 AND 5, BISHOP'S SUBDIVISION OF A PART OF LOT 46, WILSON'S ADDITION TO THE CITY OF DODGEVILLE, PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 27, PART OF LOT 1 OF CERTIFIED SURVEY MAP NUMBER 242, AS RECORDED IN VOLUME 1 OF CERTIFIED SURVEYS, PAGE 309, AS DOCUMENT NUMBER 145175, PART OF LOT 8, BLOCK 99 IN BLACK'S ADDITION TO THE CITY OF DODGEVILLE, PART OF LOTS 37 AND 38, OF BLACK'S ADDITION TO THE CITY OF DODGEVILLE, CRANE'S MAP, PART OF LOT 39 OF BLACK'S ADDITION TO THE CITY OF DODGEVILLE, PART OF LOTS 1, 2, 3 AND 4 IN ARTHUR'S SUBDIVISION, PART OF JT CONDOMINIUM, PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 6 NORTH, RANGE 3 EAST, CITY OF DODGEVILLE, IOWA COUNTY, WISCONSIN

RELOCATION ORDER: CITY OF DODGEVILLE, EAST DIVISION STREET (S.T.H. 191)
(IOWA STREET TO DIAMOND OAKS DRIVE)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF DODGEVILLE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF DODGEVILLE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF DODGEVILLE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 FILED IN TPP-PLAT CABINET B, PAGE 77, AS DOCUMENT NO. 350377 FOR ADDITIONAL INFORMATION.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
71	CITY OF DODGEVILLE	RELEASE OF RIGHTS
72	WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)	RELEASE OF RIGHTS

(72) WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)
V. 127 P. 441 - PARCEL 34
V. 139 P. 432 DOC. 46051 - PARCEL 32
V. 139 P. 441 - PARCEL 36
V. 171 P. 251 - PARCEL 17
V. 171 P. 252 - PARCEL 49
V. 171 P. 253 - PARCELS 39, 41 & 42
V. 171 P. 255 DOC. 72525 - PARCELS 53
V. 173 P. 256 DOC. 74329 - PARCEL 39

(71) CITY OF DODGEVILLE
V. 291 P. 205 DOC. 120272 - PARCEL 47
V. 421 P. 245 DOC. 177800 - PARCELS 49, 51 & 52
V. 451 P. 459 DOC. 191378 - PARCELS 52 & 53
V. 854 P. 631-634 DOC. 308814 - PARCELS 47

R/W POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
200	57+15.01	6.07'
201	57+14.98	0.00'
202	57+14.86	29.50'
203	58+20.50	29.50'
204	58+67.87	29.50'
205	62+24.88	29.50'
206	62+54.19	29.50'
207	70+18.95	29.50'
208	70+38.96	29.50'
209	70+39.08	0.00'
210	70+39.12	27.12'
211	68+16.88	26.69'
212	67+82.88	26.63'
213	63+17.18	25.74'
214	62+77.17	25.98'
215	58+64.39	23.97'
216	58+14.39	23.91'
217	57+14.99	23.78'

TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T230	57+14.80	42.00'
T231	58+20.50	42.00'
T232	58+67.88	45.00'
T233	60+85.00	45.00'
T234	60+95.00	42.00'
T235	62+24.92	39.00'
T236	62+54.24	45.00'
T237	65+30.00	45.00'
T238	65+35.00	75.00'
T239	65+50.00	75.00'
T240	65+55.00	50.00'
T241	66+00.00	50.00'
T242	66+05.00	65.00'
T243	66+20.00	65.00'
T244	66+28.00	43.00'
T245	68+05.00	43.00'
T246	68+20.00	58.00'
T247	68+35.00	58.00'

TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T248	68+41.00	70.00'
T249	68+56.00	70.00'
T250	68+65.00	43.00'
T251	70+18.90	43.00'
T252	70+39.14	38.66'
T253	69+50.00	42.00'
T254	68+16.89	42.00'
T255	67+82.88	37.00'
T256	67+70.00	35.00'
T257	66+25.00	35.00'
T258	66+20.00	55.00'
T259	66+05.00	55.00'
T260	66+00.00	42.00'
T261	64+97.00	42.00'
T262	64+77.00	46.00'
T263	64+55.00	46.00'
T264	64+50.00	40.00'
T265	63+17.15	40.00'

TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T266	62+77.13	34.00'
T267	62+15.00	34.00'
T268	61+80.00	40.00'
T269	61+50.00	38.00'
T270	60+60.00	38.00'
T271	60+50.00	40.00'
T272	60+00.00	40.00'
T273	59+90.00	35.00'
T274	58+64.37	35.00'
T275	58+14.37	34.00'
T276	57+78.00	31.00'
T277	57+14.98	31.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
4002-200	S89°53'16"E	1324.11'
200-201	N00°14'47"W	6.07'
201-202	N00°14'47"W	29.50'
202-203	N90°00'00"E	105.64'
203-204	N90°00'00"E	47.37'
204-205	N90°00'00"E	357.02'
205-206	S90°00'00"E	29.31'
206-207	N90°00'00"E	764.76'
207-208	N90°00'00"E	20.00'
208-209	S00°14'05"E	29.50'
209-4000	S00°14'05"E	8.66'
4000-210	S00°00'56"E	18.46'
210-211	N89°53'28"W	222.24'
211-212	N89°53'28"W	34.00'
212-213	N89°53'28"W	465.71'
213-214	S89°39'22"W	40.00'
214-215	N89°43'13"W	412.79'
215-216	N89°55'59"W	50.00'
216-217	N89°55'59"W	99.40'
217-200	N00°04'17"E	17.73'
200-4000	S89°53'16"E	1324.11'

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN IOWA COUNTY, WISCONSIN AT 2:00 P.M ON July 26, 2017, AS DOCUMENT # 352816 AND FILED IN TPP- Plat Cab B Page 90

SIGNATURE OF REGISTER OF DEEDS
Taylor J. Campbell, Deputy

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5953-04-20-4.02
AMENDMENT NO: 1

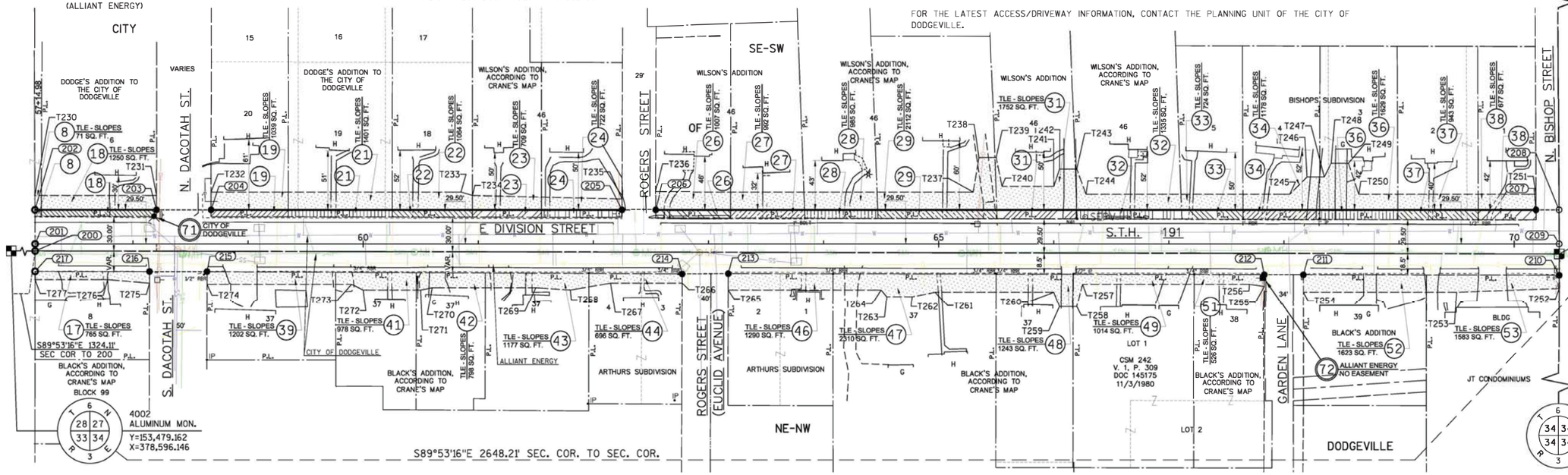
REFERENCE LINE COURSE TABLE		
COURSE	BEARING	DISTANCE
201-209	N90°00'00"E	1324.10'

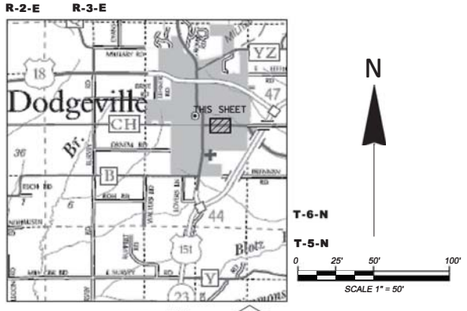
NOTE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING CENTERLINE OF PAVEMENT, CERTIFIED SURVEY MAP NO. 242, DODGES ADDITION TO THE CITY OF DODGEVILLE, BLACK'S ADDITION (ACCORDING TO CRANE'S MAP), WILSON'S ADDITION (ACCORDING TO CRANE'S MAP), ARTHURS SUBDIVISION, BISHOPS SUBDIVISION, JT CONDOMINIUMS, FOUND MONUMENTATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2007) IN US SURVEY FEET. SURVEY COMPLETED JANUARY 2014, WITH DODGEVILLE SOUTH GPS (DH5261) AND DODGEVILLE GPS (NJ0992) BASE STATIONS USED. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF DODGEVILLE.





SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	SQ. FT. EXISTING	REQUIRED TOTAL	TLE SQ. FT.
8	RONALD A. FREY AND JOAN M. JANSSEN	FEE/TLE	31	--	31	71
17	JEROME P. AND NANCY R. WEIER	TLE	--	--	--	765
18	GERALD J. AND CHRISTY M. KELLY	FEE/TLE	568	--	568	1250
19	GERALD P. AND SHERI J. JOHNSON	FEE/TLE	398	--	398	1039
21	DARLENE C. WOERPEL	FEE/TLE	550	--	550	1401
22	BETH ELLEN TEGGATZ	FEE/TLE	435	--	435	1064
23	ABBY PFANKU	FEE/TLE	382	--	382	709
24	ROBERT A. AND DAWN R. RADOSEVICH	FEE/TLE	455	--	455	722
26	TERRY W. AND LAURA M. MCNEILL	FEE/TLE	456	--	456	1007
27	RICHARD E. CONWAY	FEE/TLE	461	--	461	992
28	STEVEN E. WILKENSON	FEE/TLE	463	--	463	985
29	BRYAN E. MARTY AND TARI J. ROCHON	FEE/TLE	773	--	773	2112
31	PATRICIA RODER	FEE/TLE	532	--	532	1752
32	JEFFREY A. FULLER AND PATTI A. MCQUILLAN	FEE/TLE	712	--	712	1335
33	JENIFER B. HAMMOND	FEE/TLE	425	--	425	724
34	JANICE M. PETERSON	FEE/TLE	540	--	540	1178
36	HILDING G. AND SUE ANN TRULEN, RICHARD W. AND MARY LOU GONINEN, DWIGHT J. AND NANCY A. TRULEN, STEVEN J. AND SNADRA J. ALEXANDER, MARY T. TRULEN	FEE/TLE	561	--	561	1629

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	SQ. FT. EXISTING	REQUIRED TOTAL	TLE SQ. FT.
37	ANGELLQUE HERING	FEE/TLE	587	--	587	943
38	KEITH W. AND KRISTEN L. LEITZINGER	FEE/TLE	427	--	427	677
39	KEENAN PROPERTIES, LLC	TLE	--	--	--	1202
41	DORINDA R. SEGEBRECHT	TLE	--	--	--	978
42	DARRELL L. AND HELENE M. SILBAUGH	TLE	--	--	--	798
43	HSBC USA, NATIONAL ASSOCIATION AND TRUSTEE FOR DEUTSCHE ALT-A SECURITIES, INC.	TLE	--	--	--	1177
44	HELEN R. AND JAMES J. MURN, SHERRY K. EINERSON AND SCOTT L. MURN, DAVID F. AND CHARLES A. MURN	TLE	--	--	--	696
46	KENNETH L. PALZKILL	TLE	--	--	--	1290
47	SHARON BARTLE	TLE	--	--	--	2310
48	THOMAS J. AND JULIE A. MCDONALD	TLE	--	--	--	1243
49	PETER AND SHANNON GOEBEL	TLE	--	--	--	1014
51	THOMAS B. AND BARBARA M. SIMMONS	TLE	--	--	--	526
52	EAGLE INVESTMENTS OF BARNEVELD, LLC	TLE	--	--	--	1623
53	THE BRENDA J. JUDD LIVING TRUST, UNIT 2 JEFFREY D. AND KEELY E. THOMAS, UNITS 1, 3, 4	TLE	--	--	--	1583

ALL AREAS SHOWN IN SQUARE FEET (SQ. FT.) UNLESS OTHERWISE NOTED

352816

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

CITY OF DODGEVILLE

I, MICHAEL J. PIERING PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF DODGEVILLE, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Michael J. Piering DATE: 07/21/17
PRINT NAME: Michael J. Piering
REGISTRATION NUMBER: S-2521

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF DODGEVILLE

SIGNATURE: DATE: 7/26/17
PRINT NAME: TODD D. NOVAK, MAYOR

TRANSPORTATION PROJECT PLAT NO: 5953-04-20 – 4.03 AMENDMENT NO: 2 AMENDS UTILITY NUMBER 72 AND 73 OF TRANSPORTATION PROJECT PLAT 5953-04-20-4.03 RECORDED AS DOCUMENT NO: 353691

THAT PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 6 NORTH, RANGE 3 EAST, CITY OF DODGEVILLE, IOWA COUNTY, WISCONSIN

RELOCATION ORDER: CITY OF DODGEVILLE, EAST DIVISION STREET (S.T.H. 191) (IOWA STREET TO DIAMOND OAKS DRIVE)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF DODGEVILLE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF DODGEVILLE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CIYT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF DODGEVILLE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

R/W POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
300	70+39.08	0.00'
301	70+38.96	29.50'
302	70+58.96	29.50'
303	72+35.85	29.50'
304	82+86.46	29.50'
305	82+86.92	0.00'
306	82+86.98	4.09'
307	83+24.05	3.87'
308	83+24.56	36.86'
309	70+39.14	38.66'
310	70+39.12	27.12'

TLE POINT STATION & OFFSET TABLE		
POINT#	STATION	OFFSET
T313	70+58.89	45.00'
T314	70+98.00	45.00'
T315	71+03.00	60.00'
T316	71+18.00	60.00'
T317	71+23.00	40.00'
T318	72+35.85	40.00'
T319	74+00.00	40.00'
T320	75+00.00	45.00'
T321	75+35.00	45.00'
T322	75+40.00	52.00'
T323	75+65.00	50.00'
T324	75+70.00	42.00'
T325	76+72.00	36.00'
T326	77+20.00	41.00'
T327	77+65.00	45.00'
T328	78+15.00	65.00'
T329	82+85.95	65.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
4000–300	N00°14'05"W	8.66'
300–301	N00°14'05"W	29.50'
301–302	S90°00'00"E	20.00'
302–303	S90°00'00"E	176.89'
303–304	S89°06'15"E	1051.07'
304–305	S00°00'00"E	29.50'
305–306	S00°00'00"E	4.09'
306–307	S89°27'18"E	37.06'
307–308	S00°00'00"E	33.00'
308–309	N89°27'18"W	1284.77'
309–310	N00°05'19"W	14.55'
310–4000	N00°00'56"W	18.46'

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN IOWA COUNTY, WISCONSIN AT 3:00 PM ON December 5 2017. AS DOCUMENT # 354618 AND FILED IN TPP- Plat Cab B page 92

Dinie J. Edge
SIGNATURE OF REGISTER OF DEEDS
Dinie J. Edge

THIS IS A COPY. ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5953-04-20-4.03
AMENDMENT NO: 2

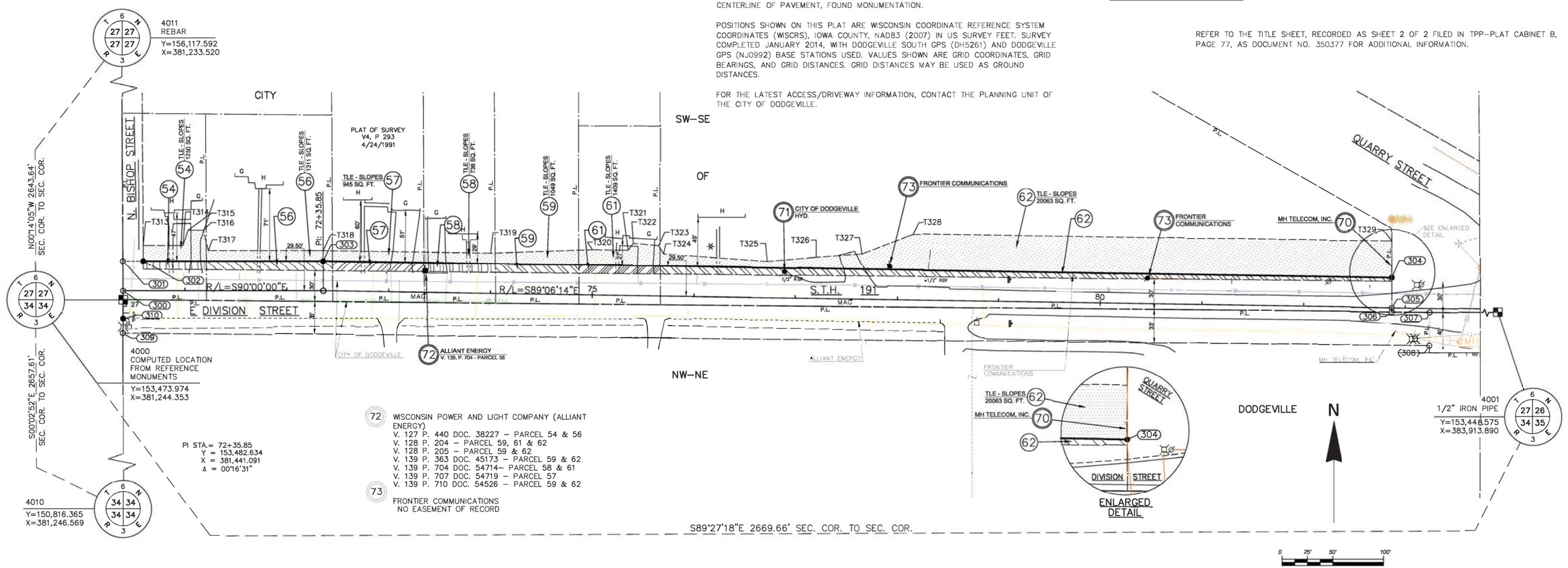
NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PLAT OF SURVEY V. 4 P. 293, FILED APRIL 24, 1991, EXISTING CENTERLINE OF PAVEMENT, FOUND MONUMENTATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2007) IN US SURVEY FEET. SURVEY COMPLETED JANUARY 2014, WITH DODGEVILLE SOUTH GPS (DH5261) AND DODGEVILLE GPS (NJ0992) BASE STATIONS USED. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

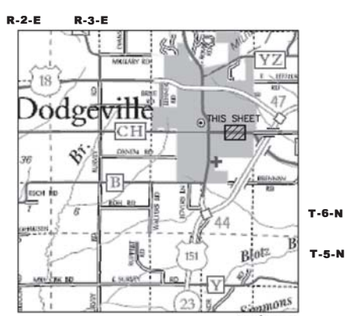
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF DODGEVILLE.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 FILED IN TPP-PLAT CABINET B, PAGE 77, AS DOCUMENT NO. 350377 FOR ADDITIONAL INFORMATION.



72 WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)
V. 127 P. 440 DOC. 38227 – PARCEL 54 & 56
V. 128 P. 204 – PARCEL 59, 61 & 62
V. 128 P. 205 – PARCEL 59 & 62
V. 139 P. 363 DOC. 45173 – PARCEL 59 & 62
V. 139 P. 704 DOC. 54714– PARCEL 58 & 61
V. 139 P. 707 DOC. 54719 – PARCEL 57
V. 139 P. 710 DOC. 54526 – PARCEL 59 & 62

73 FRONTIER COMMUNICATIONS
NO EASEMENT OF RECORD



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
70	MH TELECOM, INC.	RELEASE OF RIGHTS
71	CITY OF DODGEVILLE	RELEASE OF RIGHTS
72	WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)	RELEASE OF RIGHTS
73	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	SQ. FT. EXISTING	REQUIRED TOTAL	TLE SQ. FT.
54	JASON A. AND ALICIA L. SIDLAUSKAS	FEE/TLE	536	2625	3161	1250
56	THE RUFF FAMILY TRUST	FEE/TLE	1181	3720	4901	1311
57	JOHN M. DOWLING AND CHRIS M. SCHROEDER	FEE/TLE	873	2700	3573	945
58	CURTIS L. AND SHARON M. ANDERSON	FEE/TLE	645	2100	2745	736
59	MARY ANN MARTIN	FEE/TLE	718	2462	3180	1049
61	KYLE T. STAMN	FEE/TLE	660	2400	3060	1409
62	MARY ANN MARTIN	FEE/TLE	4174	21592	25766	20063

ALL AREAS SHOWN IN SQUARE FEET (SQ. FT.) UNLESS OTHERWISE NOTED

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

CITY OF DODGEVILLE

I, MICHAEL J. PIERING PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF DODGEVILLE, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

SIGNATURE: _____ DATE: 11/17/17
PRINT NAME: Michael J. Piering
REGISTRATION NUMBER: S-2521

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF DODGEVILLE

SIGNATURE: _____ DATE:
PRINT NAME: TODD D. NOVAK, MAYOR

FILE NAME : J:\JSD PROJECTS\13C5889-1A STH 191\1A STH 191 TPP\DWG\TPP 5953-04-20-4.03 SHT 191_AMEND2.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 11/17/2017 4:39 PM PLOT BY : MIKE PIERING PLOT NAME : PLOT SCALE : **********

5953-04-20 4.03

TRANSPORTATION PROJECT PLAT NO: 5953-04-20 - 4.04

THAT PART OF LOT 32 OF DIAMOND OAKS BEING A PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 6 NORTH, RANGE 3 EAST, CITY OF DODGEVILLE, IOWA COUNTY, WISCONSIN

RELOCATION ORDER: CITY OF DODGEVILLE, EAST DIVISION STREET (S.T.H. 191)
(IOWA STREET TO DIAMOND OAKS DRIVE)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF DODGEVILLE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF DODGEVILLE HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CIYT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF DODGEVILLE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

R/W POINT STATION & OFFSET TABLE

POINT#	STATION	OFFSET
400	91+75.00	1.35'
401	91+75.00	38.65'
402	91+75.00	55.00'
403	89+19.45	56.57'
404	89+42.32	40.08'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
4001-400	N89°27'18"W	533.89'
400-401	S00°53'46"W	40.00'
401-402	S00°53'46"W	16.35'
402-403	N89°27'18"W	255.55'
404-401	S89°27'18"E	232.68'

R/W CURVE TABLE

CURVE	ARC DISTANCE	RADIUS	CHORD BEARING	CHORD DISTANCE
403-404	29.96'	25.00'	N55°06'10"E	28.20'

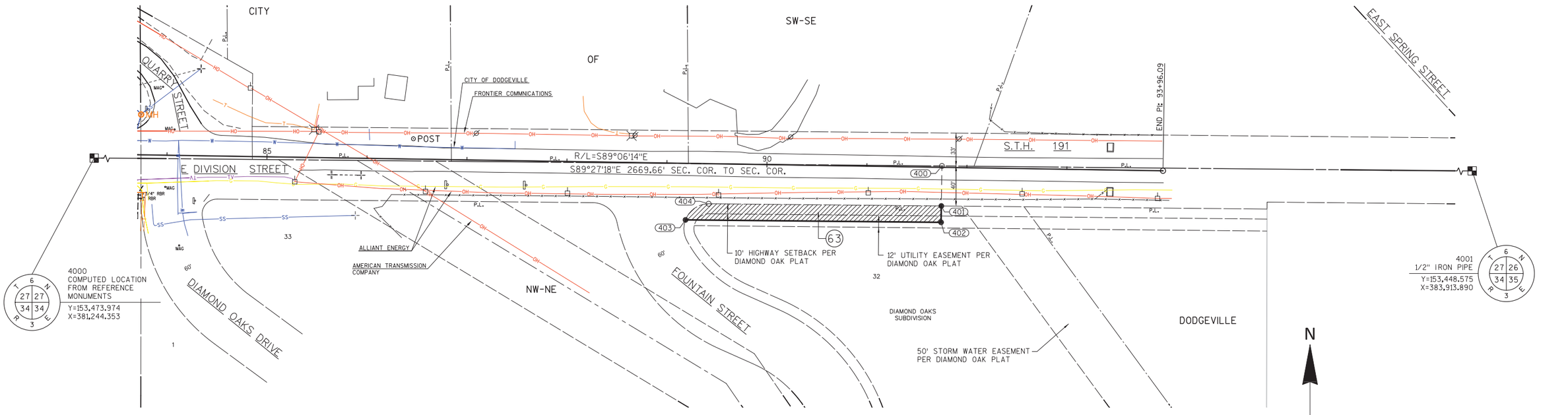
ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN IOWA COUNTY, WISCONSIN AT 9:15 AM ON February 7, 2017. AS DOCUMENT # 350495 AND FILED IN TPP- Plat Cab B Page 80

SIGNATURE OF REGISTER OF DEEDS
Dixie L Edge

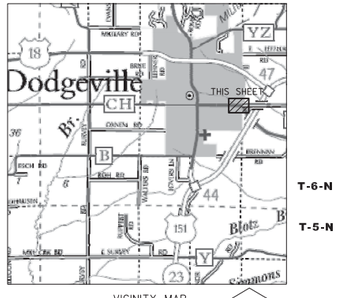
THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5953-04-20-4.04
AMENDMENT NO:---

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 FILED IN TPP-PLAT CABINET B, PAGE 77, AS DOCUMENT NO. 350377 FOR ADDITIONAL INFORMATION.



R-2-E R-3-E



VICINITY MAP
NOT TO SCALE

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: DIAMOND OAKS SUBDIVISION, PLAT CABINET A, PAGE 555, EXISTING CENTERLINE OF PAVEMENT, FOUND MONUMENTATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2007) IN US SURVEY FEET. SURVEY COMPLETED JANUARY 2014, WITH DODGEVILLE SOUTH GPS (DH5261) AND DODGEVILLE GPS (NJ0992) BASE STATIONS USED. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF DODGEVILLE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	SQ. FT. EXISTING	REQUIRED TOTAL	TLE SQ. FT.
63	DIAMOND OAKS, LLC.	FEE	4040.61	0.000	4040.61	0.000

ALL AREAS SHOWN IN SQUARE FEET (SQ. FT.) UNLESS OTHERWISE NOTED

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

CITY OF DODGEVILLE

I, MICHAEL J. PIERING PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF DODGEVILLE, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL J. PIERING S-2521 MILWAUKEE WIS. LAND SURVEYOR

SIGNATURE: _____ DATE: 01/31/17
PRINT NAME: Michael J. Piering
REGISTRATION NUMBER: S-2521

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF DODGEVILLE

SIGNATURE: _____ DATE: 02/07/17
PRINT NAME: TODD D. NOVAK, MAYOR

FILE NAME : J:\JSD PROJECTS\13C5889-1A STH 191\1A STH 191 TPP\DWG\TPP 5953-04-20-4.04 SHT 191.DWG
APPRAISAL PLAT DATE : _____

PLOT DATE : 2/1/2017 9:45 AM PLOT BY : MIKE PIERING PLOT NAME : PLOT SCALE : **********

AREA OF CONTAMINATED SOIL

REMOVE PAVEMENT ONLY AREA

BEGIN PROJECT
STA 50+31.65

BP: 49+00.00

STA. 51+45 LT.
CONSTRUCT CONCRETE P.E.

STA. 51+70 LT.
CONSTRUCT ASPHALT C.E.

END CONSTRUCTION
STA 11+12"U"
MATCH EXISTING
SAW CUT REQ'D

STA. 55+05 LT.
CONSTRUCT BAD P.E.

STA. 55+85 LT.
CONSTRUCT CONCRETE P.E.

N

IOWA ST.

N. UNION ST.

S. UNION ST.

EAST DIVISION ST

MHTC

MHTC MH

ALLIANT OH ELECTRIC

TLE

SI

CITY OF DODGEVILLE WATER MAIN

CITY OF DODGEVILLE SANITARY SEWER

PROPOSED R/W

ALLIANT ELECTRIC

BM 306

BM 307

CONTAMINATED SOIL

R/W

PL

ALLIANT GAS LINE

CITY OF DODGEVILLE SANITARY SEWER MH

MHTC FIBER

STA. 51+30 RT.
CONSTRUCT CONCRETE C.E.

STA. 52+20 RT.
CONSTRUCT ASPHALT P.E.

STA. 54+30 RT.
CONSTRUCT ASPHALT P.E.

STA. 54+85 RT.
CONSTRUCT CONCRETE P.E.

STA. 55+40 RT.
CONSTRUCT ASPHALT P.E.

STA. 55+65 RT.
CONSTRUCT CONCRETE P.E.

END CONSTRUCTION
STA 9+38"U"
MATCH EXISTING
SAW CUT REQ'D

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
307	49+81.87	1212.25	"X" TOP FLANG BOLT WITH BURY TAG
306	52+99.36	1204.27	"X" TOP FLANG BOLT WITH BURY TAG

STA 50+40.00
EL 1209.28

STA 50+70.00
EL 1208.58

STA 50+31.65
EL 1209.12

STA 50+53.00
EL 1209.08

VPC STA 50+75.00
VPC EL 1208.34

VPI STA 51+50.00
VPI EL 1204.66

VPT STA 52+25.00
VPT EL 1202.71

VPC STA 52+50.00
VPC EL 1202.06

VPI STA 53+00.00
VPI EL 1200.76

VPT STA 53+50.00
VPT EL 1201.11

VPC STA 53+59.82
VPC EL 1201.18

VPI STA 54+59.82
VPI EL 1201.88

VPT STA 55+59.82
VPT EL 1199.78

VCL = 150.00
K = 65.22

VCL = 100.00
K = 30.30

VCL = 200.00
K = 71.40

2.00% -1.60% -2.90% -1.90% -2.60% 0.70%

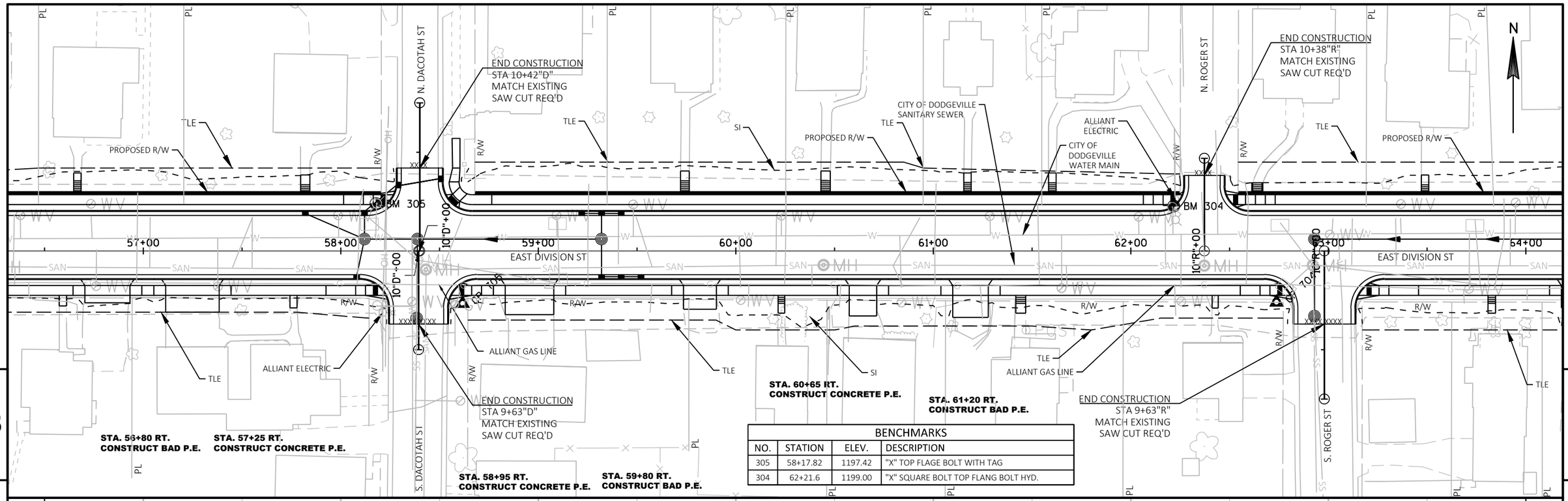
EXISTING GROUND

PROPOSED GROUND

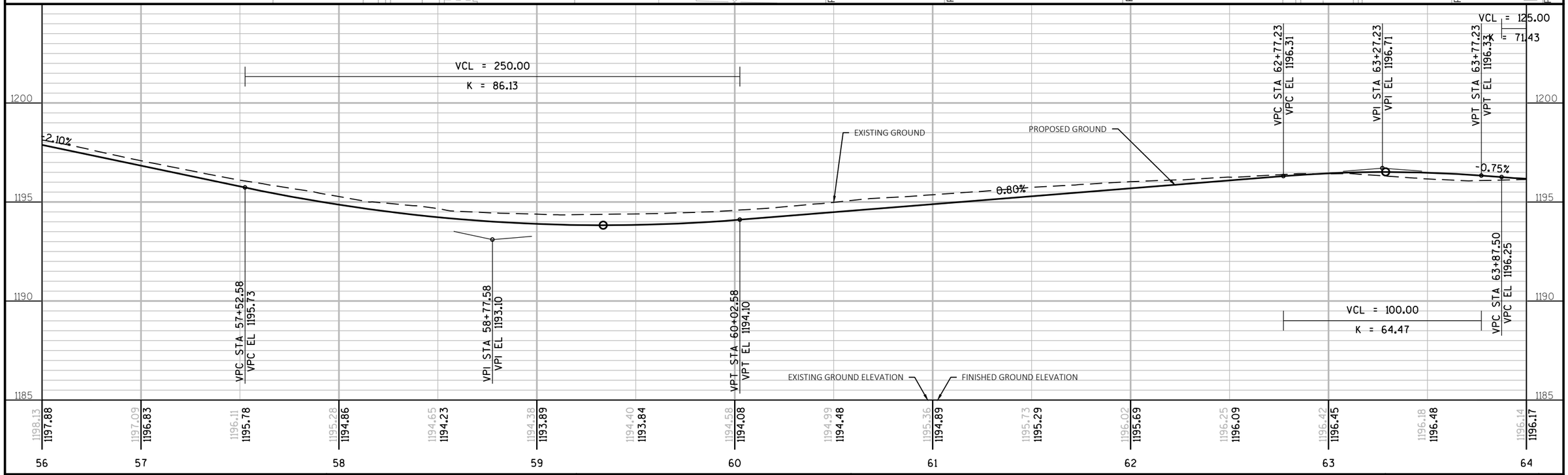
EXISTING GROUND ELEVATION

FINISHED GROUND ELEVATION

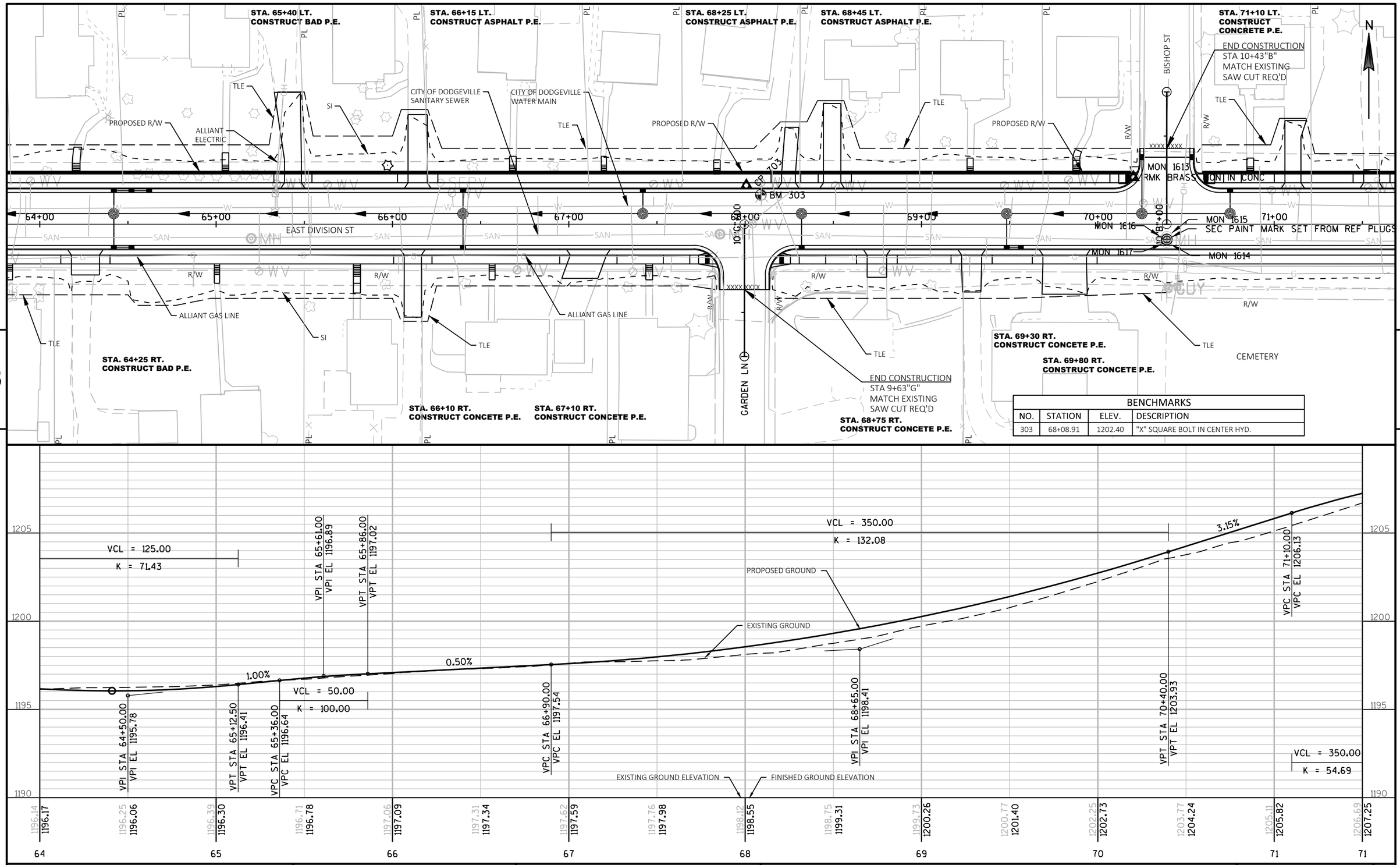
| | | |



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
305	58+17.82	1197.42	"X" TOP FLAGE BOLT WITH TAG
304	62+21.6	1199.00	"X" SQUARE BOLT TOP FLANG BOLT HYD.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: EAST DIVISION STREET	SHEET 94	E



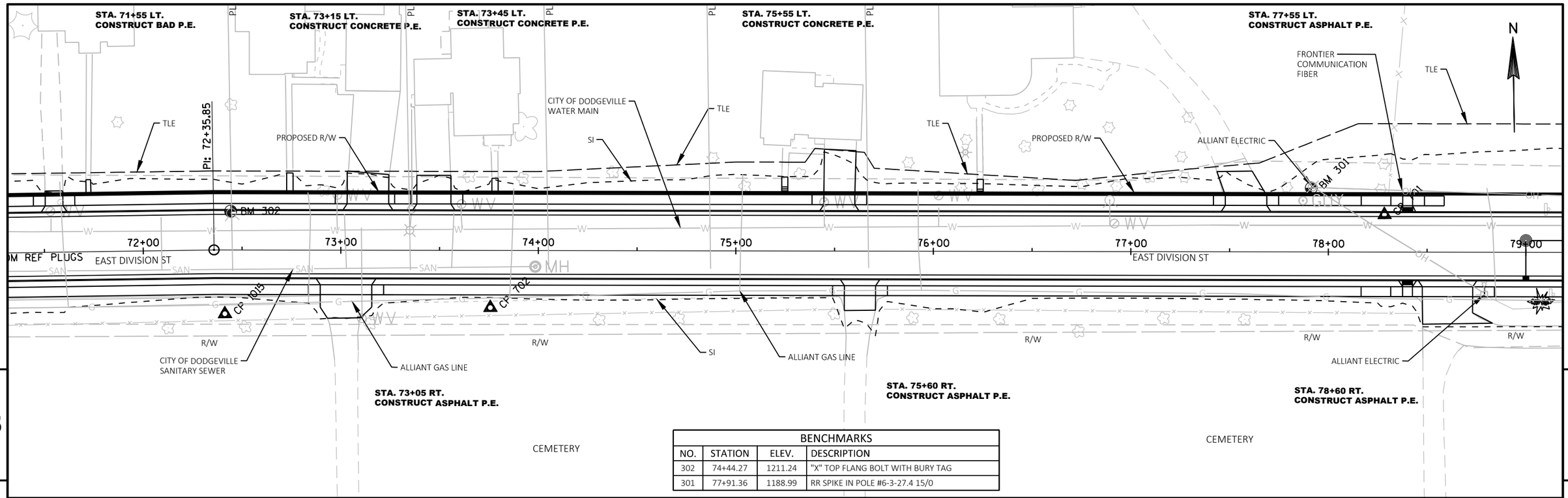
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
303	68+08.91	1202.40	"X" SQUARE BOLT IN CENTER HYD.

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: EAST DIVISION STREET	SHEET 95	E

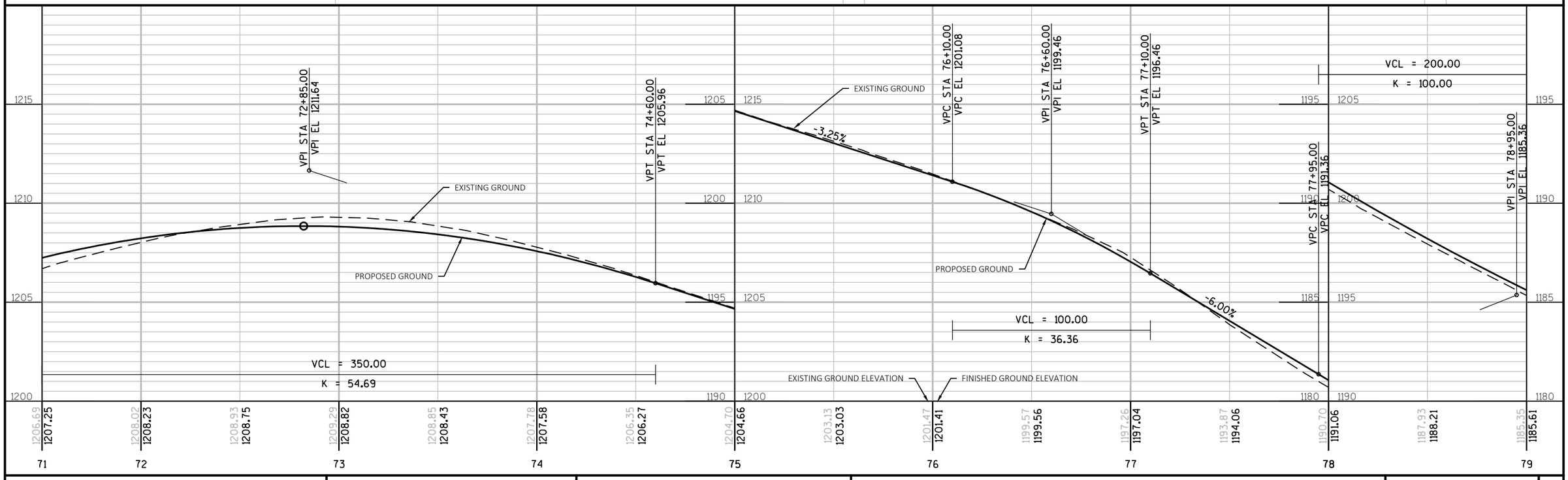
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050101_PP_6.0.DWG
LAYOUT NAME - 050101_PP_6.0 - 050101_PP_SHEET - (03)

PLOT DATE : 3/6/2018 10:22 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:50 FT

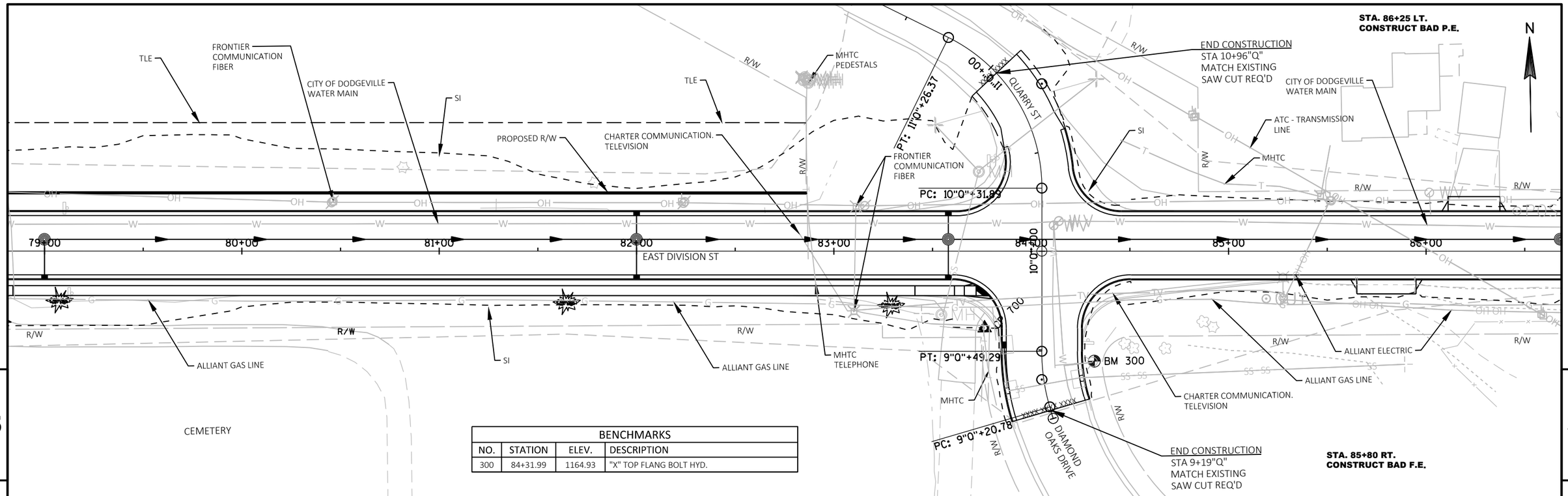
WISDOT/CADDS SHEET 44



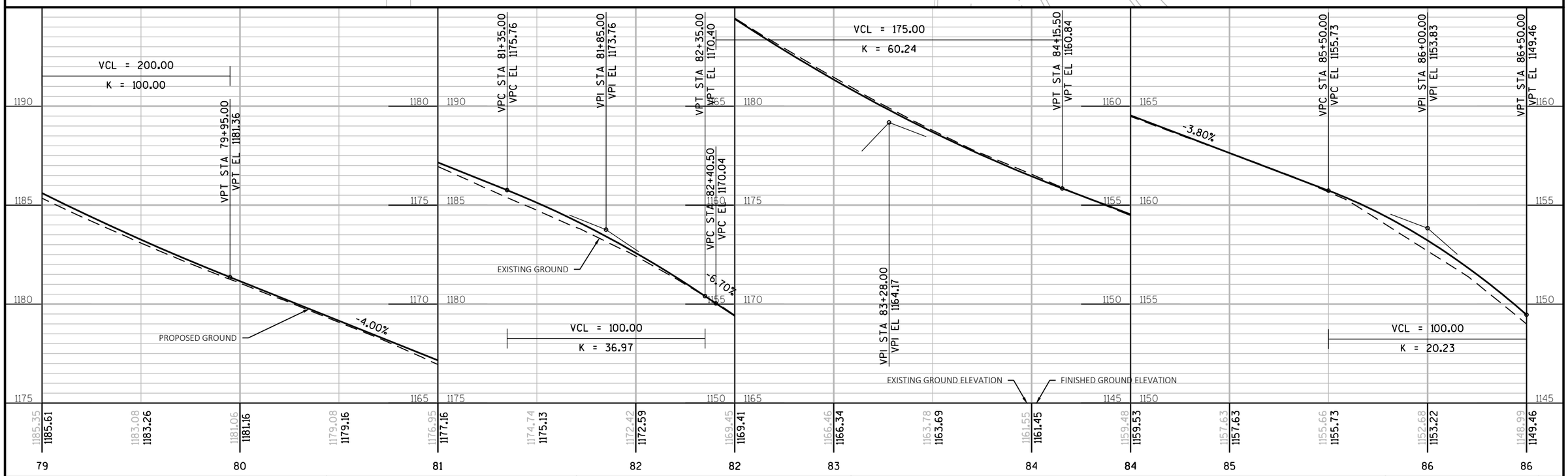
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
302	74+44.27	1211.24	"X" TOP FLANG BOLT WITH BURY TAG
301	77+91.36	1188.99	RR SPIKE IN POLE #6-3-27.4 15/0



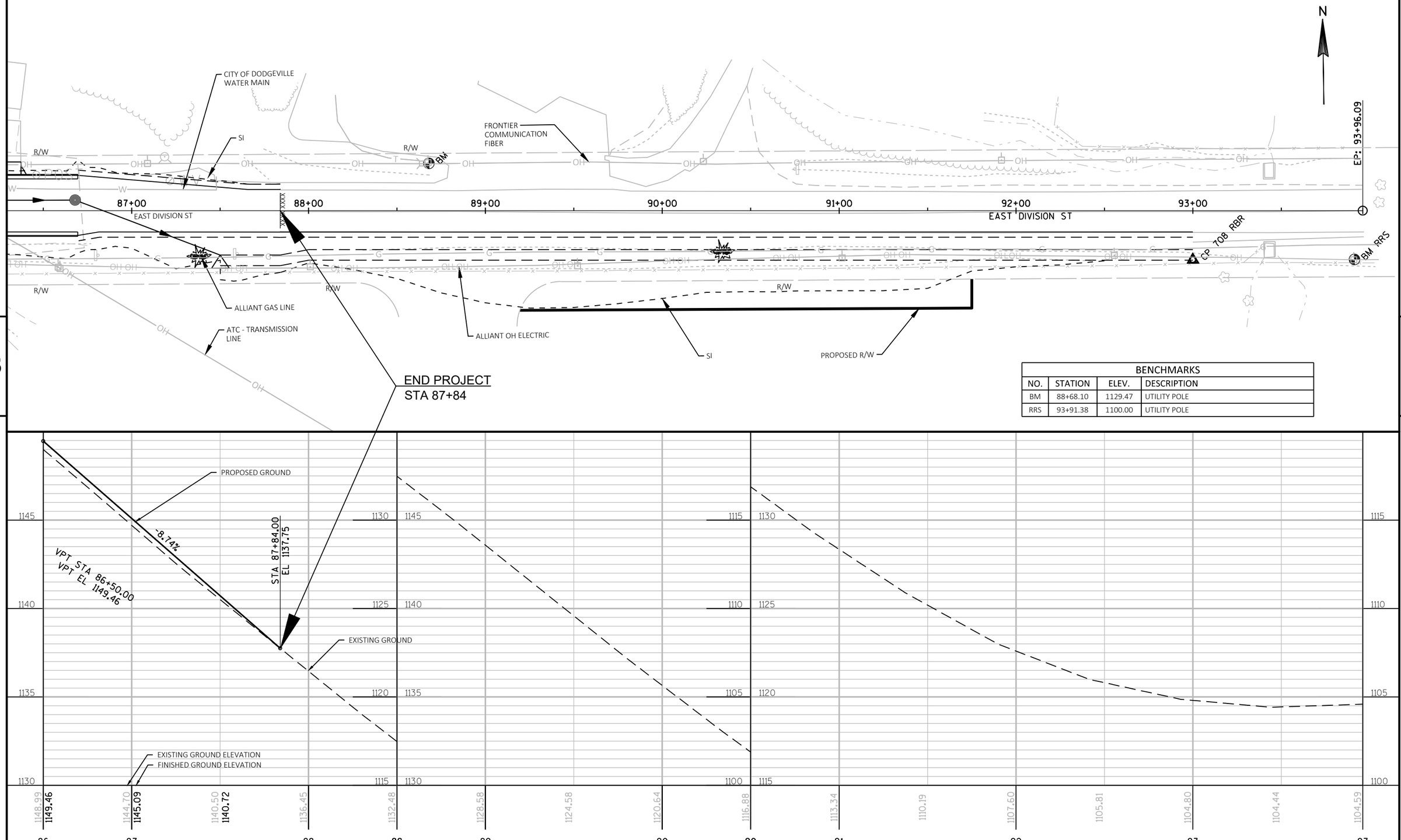
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: EAST DIVISION STREET	SHEET 96	E



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
300	84+31.99	1164.93	"X" TOP FLANG BOLT HYD.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: EAST DIVISION STREET	SHEET 97	E



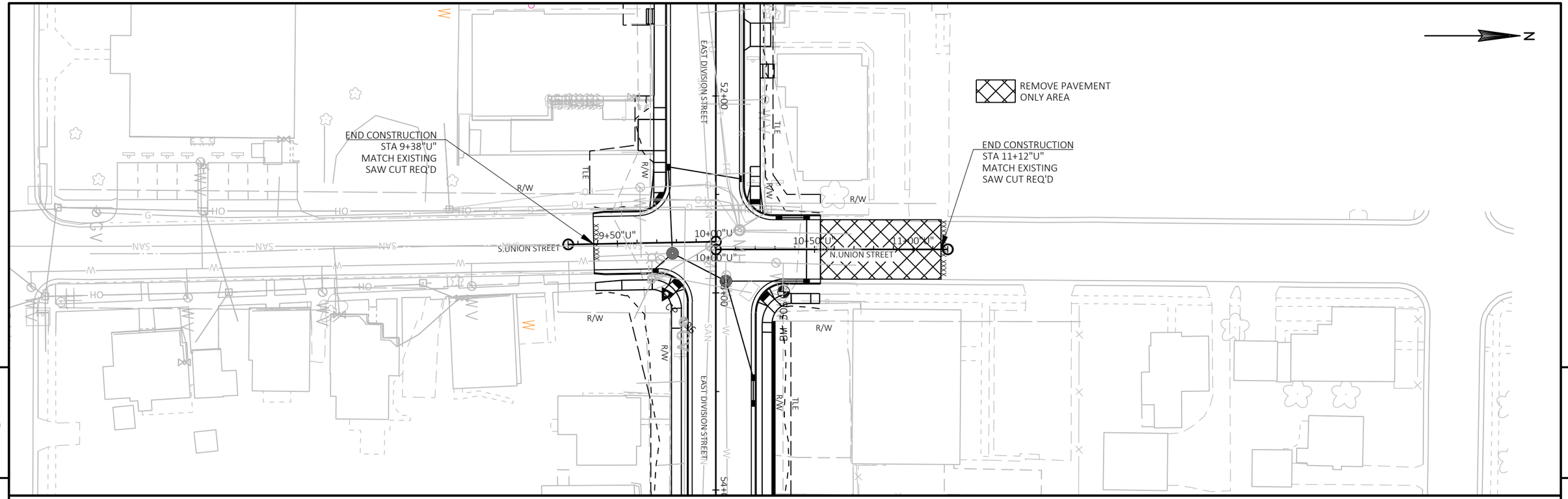
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM	88+68.10	1129.47	UTILITY POLE
RRS	93+91.38	1100.00	UTILITY POLE

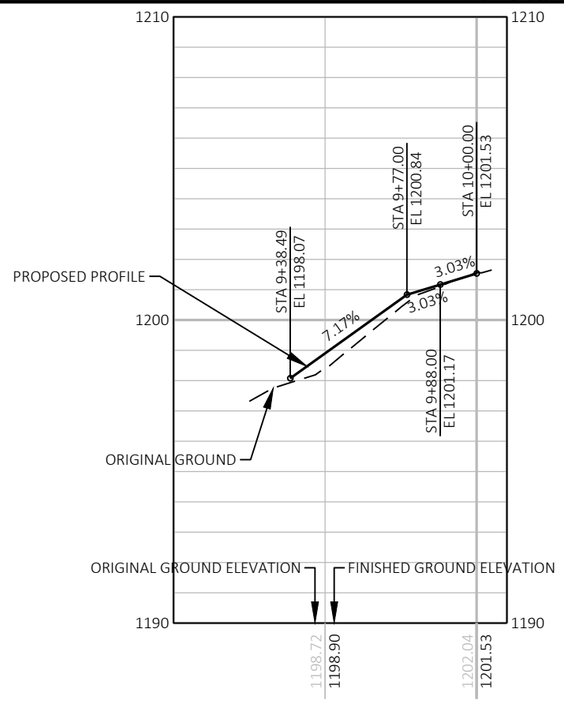
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: EAST DIVISION STREET	SHEET 98	E

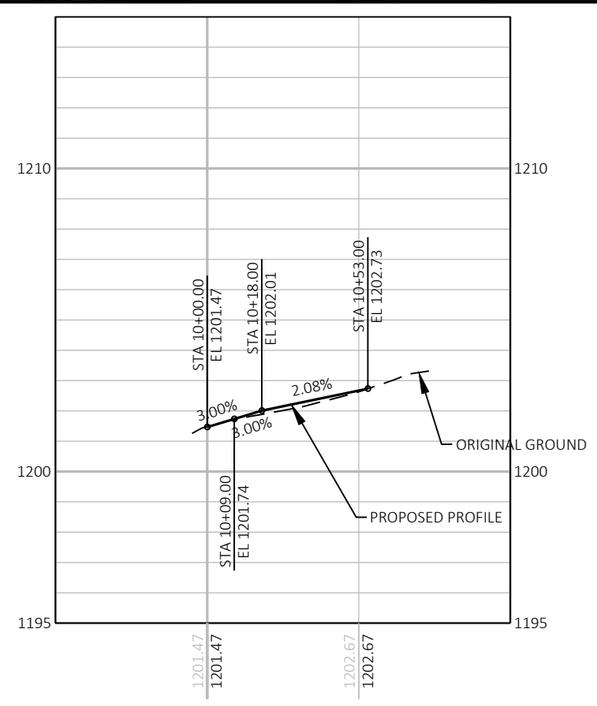
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050101_PP_6.0.DWG
LAYOUT NAME - 050101_PP_6.0 - 050101_PP_SHEET - (06)

PLOT DATE : 3/6/2018 10:23 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



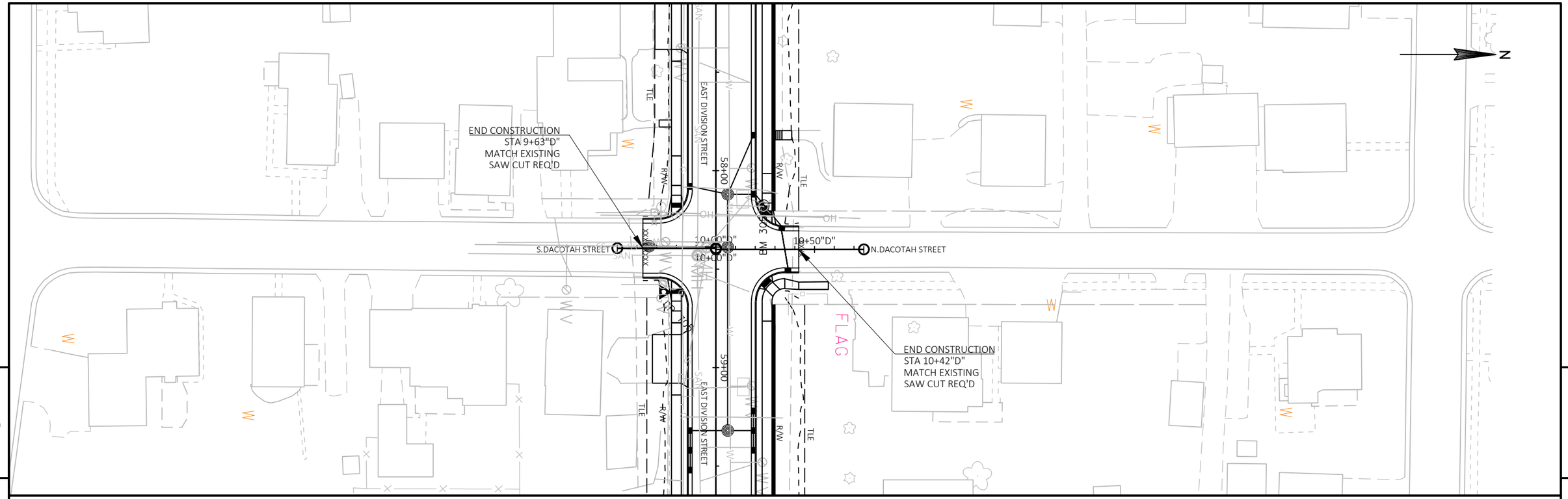


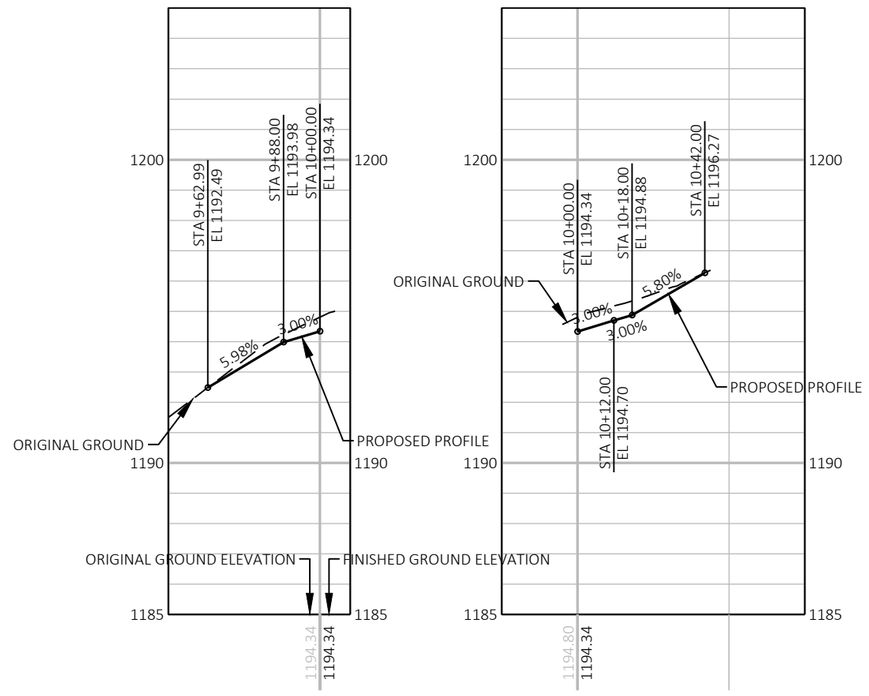


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: UNION STREET	SHEET 99	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - UNION

PLOT DATE : 3/6/2018 10:23 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########



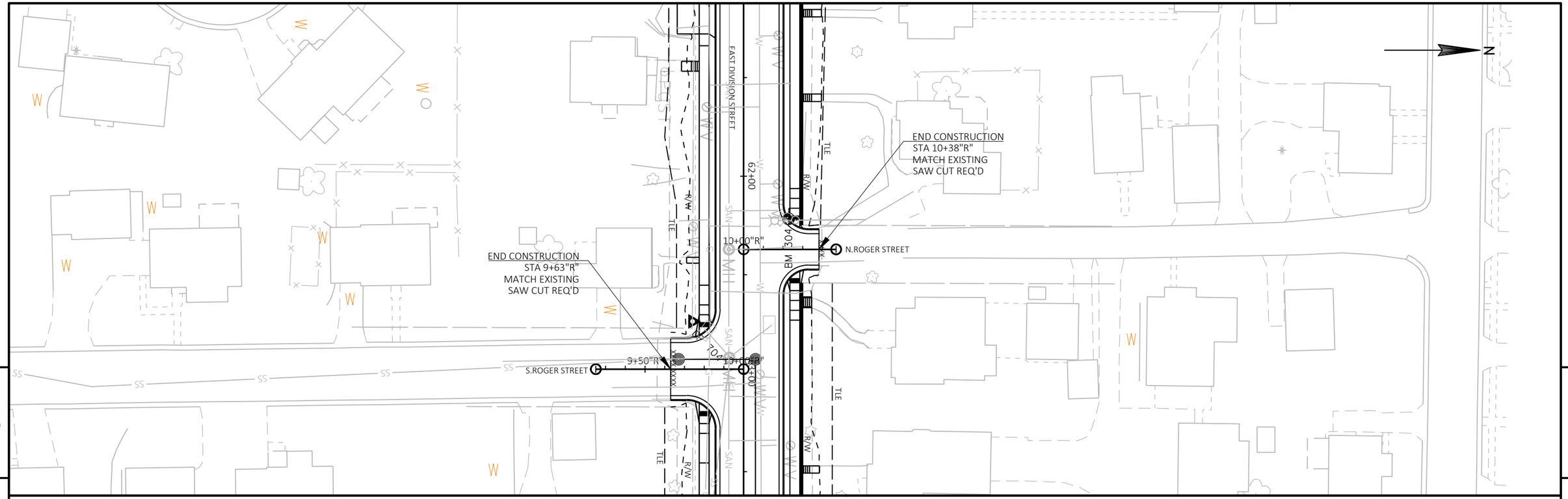


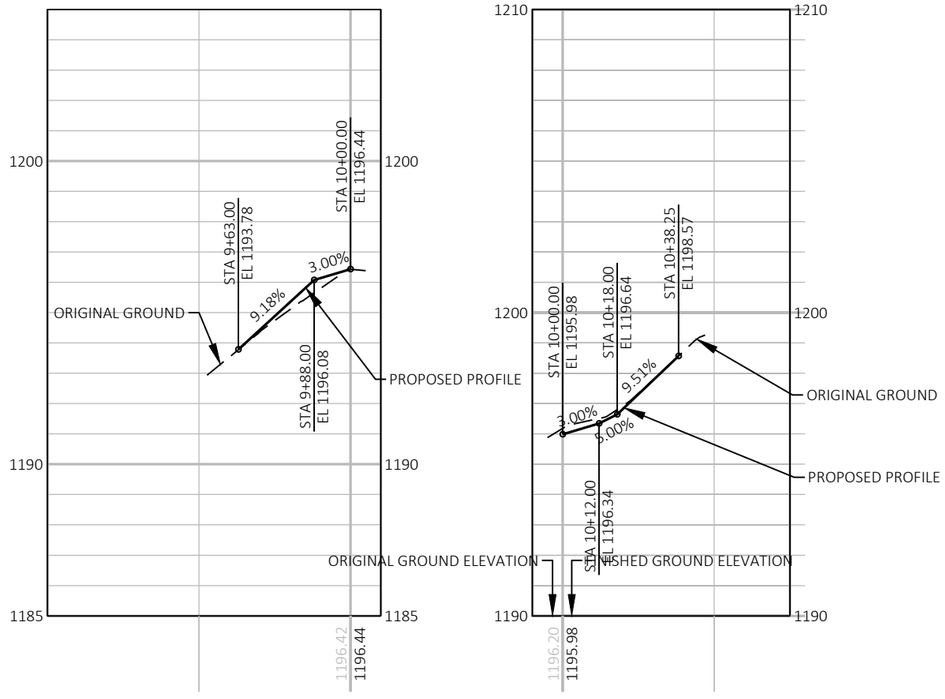
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: DACOTAH STREET	SHEET 100	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - DACOTAH

PLOT DATE : 3/6/2018 10:24 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



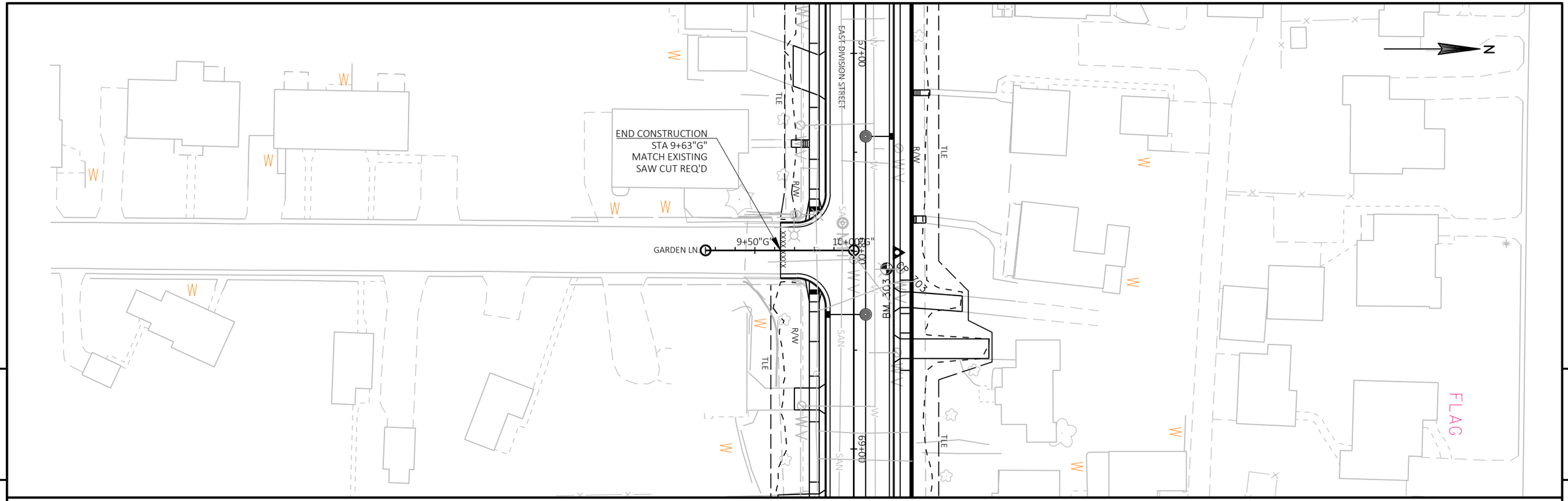


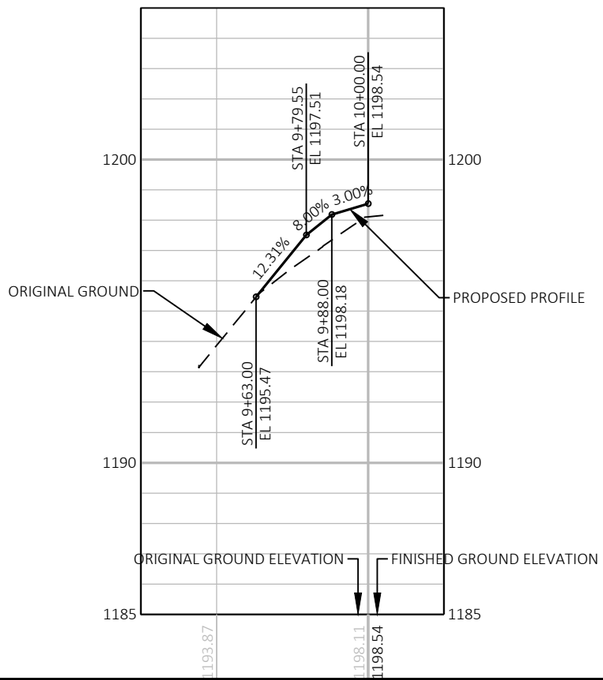
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: ROGER STREET	SHEET 101	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - ROGER

PLOT DATE : 3/6/2018 10:24 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



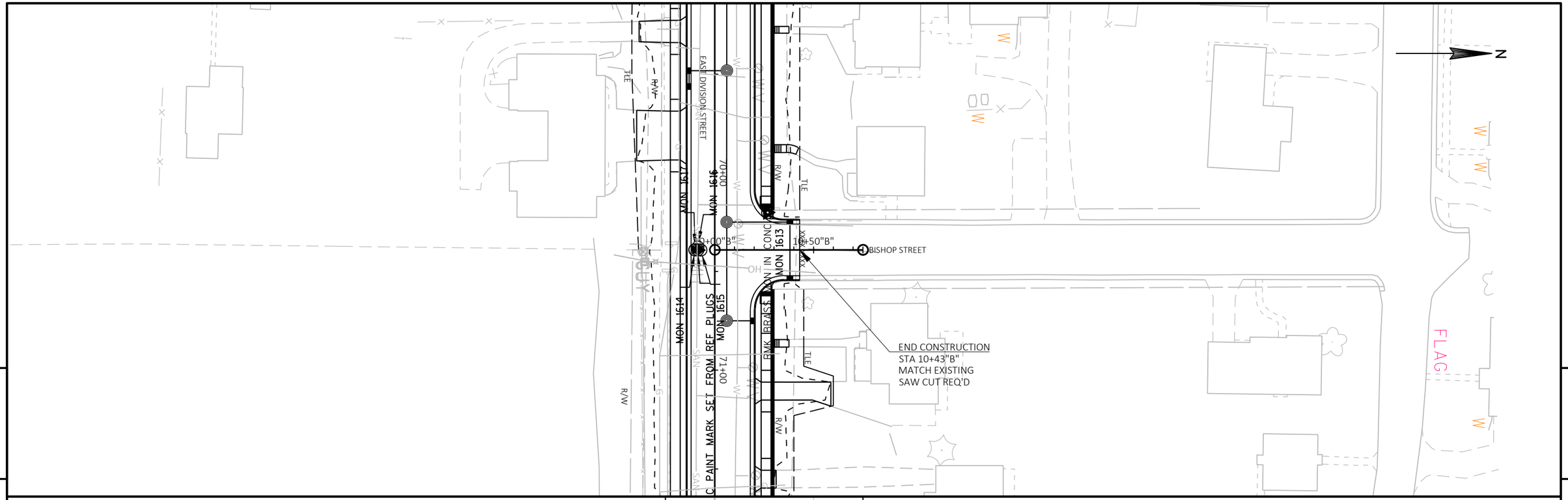


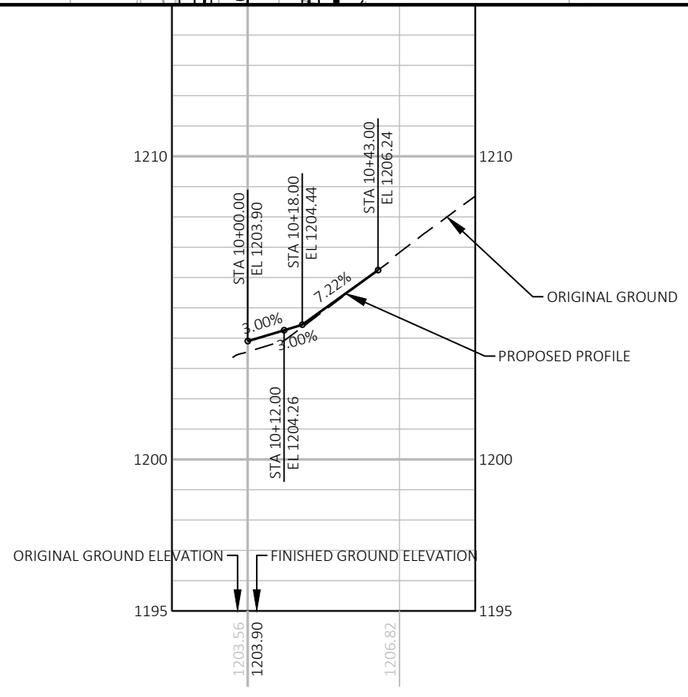
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: GARDEN LN	SHEET 102	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - GARDEN

PLOT DATE : 3/6/2018 10:24 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



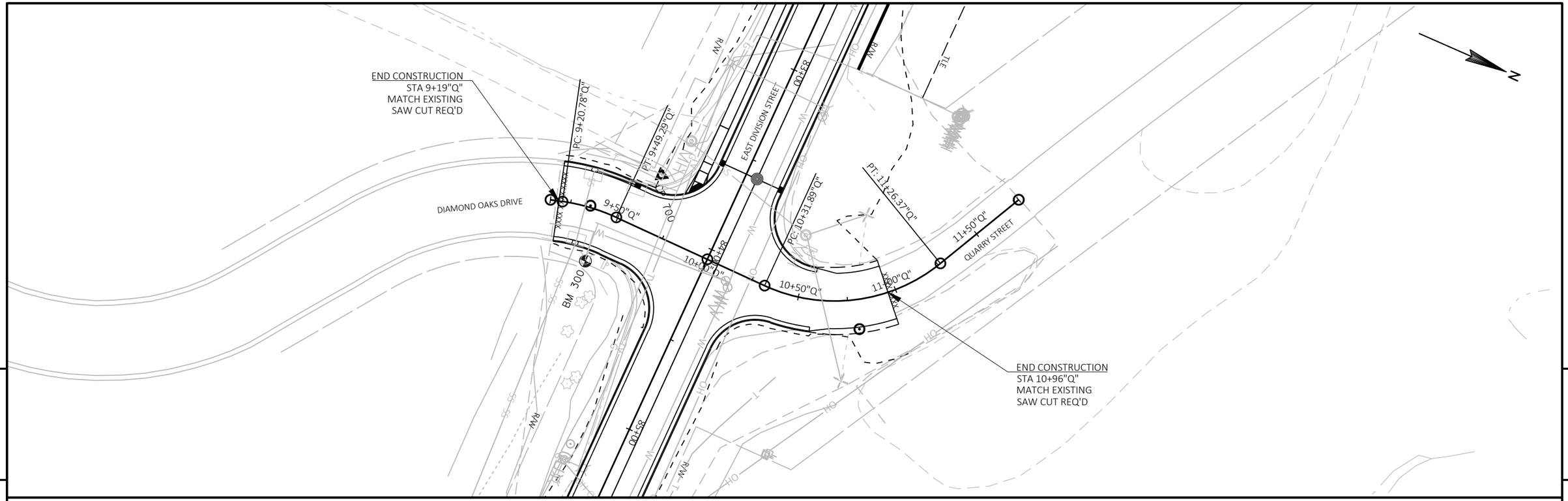


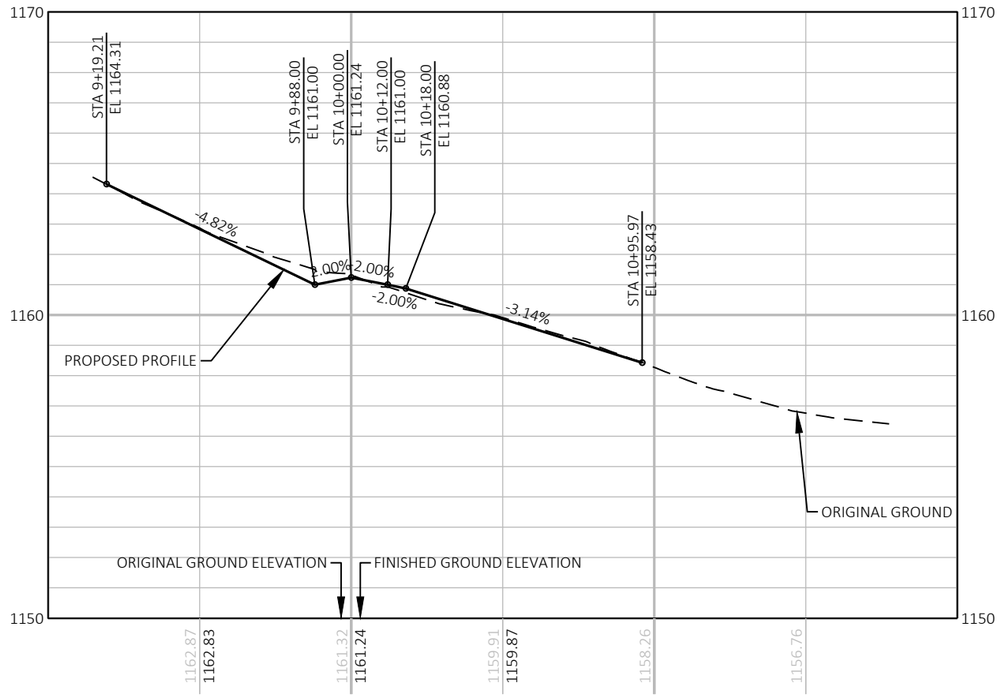
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: BISHOP STREET	SHEET 103	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - BISHOP

PLOT DATE : 3/6/2018 10:25 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44





PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: DIAMOND OAKS DRIVE	SHEET 104	E

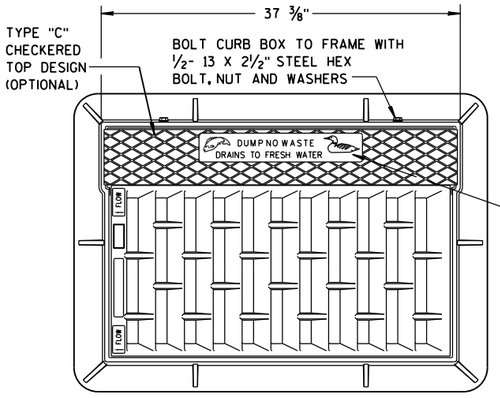
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\050102_PP_6.0.DWG
LAYOUT NAME - DIAMOND

PLOT DATE : 3/6/2018 10:25 AM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : ##########

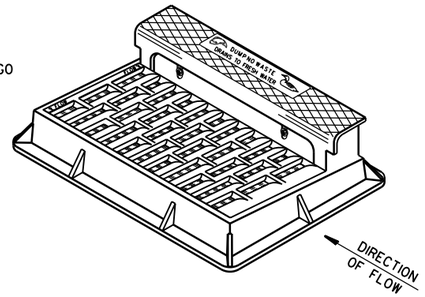
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

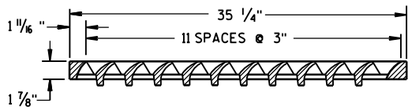
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-20A	CONCRETE CURB & GUTTER
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-01	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
14B29-01	SAFETY EDGE
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-04	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

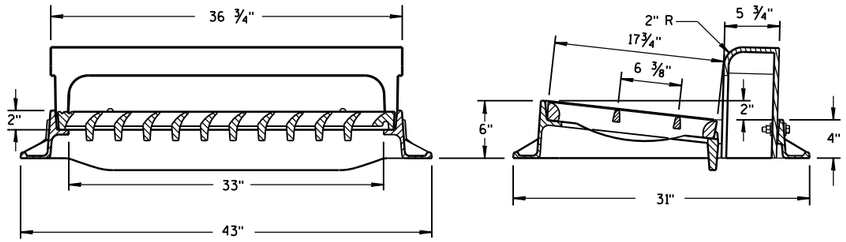


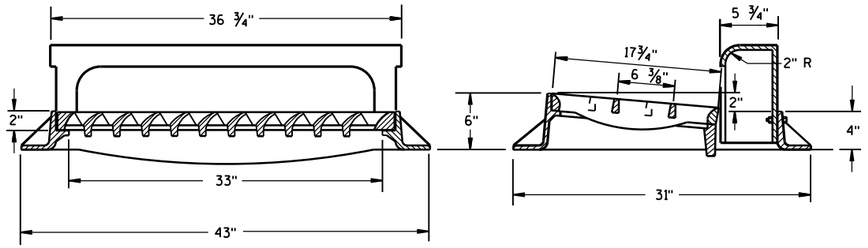
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

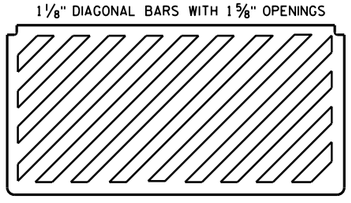






TYPE "H"

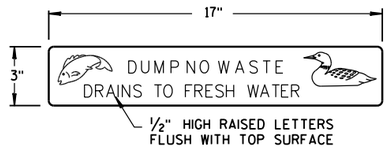
NOTE: EITHER CASTING IS ACCEPTABLE



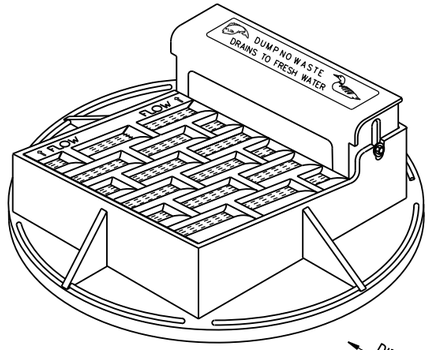
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

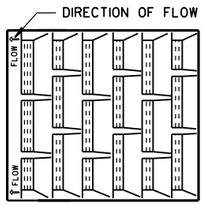
NOTE:
GRATE IS REVERSIBLE.

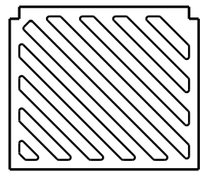
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

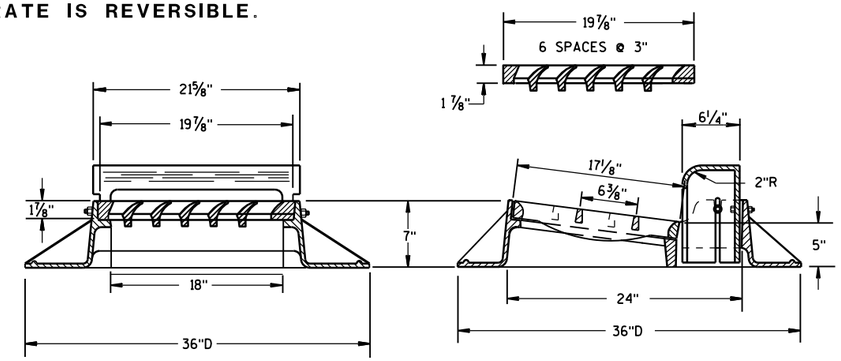




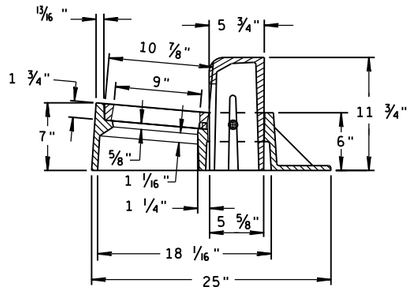
SPECIAL GRATE FOR TYPE "A" COVER

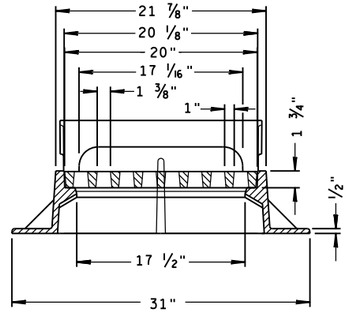
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

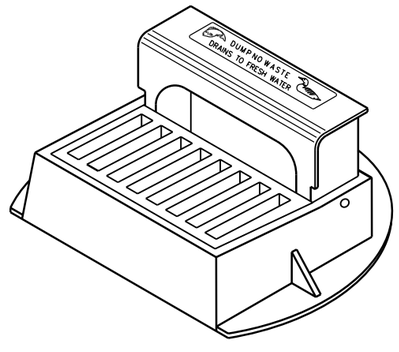


TYPE "A"





TYPE "Z"



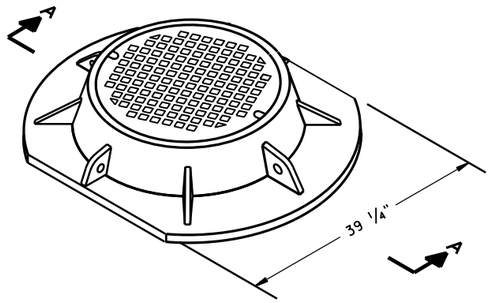
INLET COVERS
TYPE A, H, A-S, H-S & Z

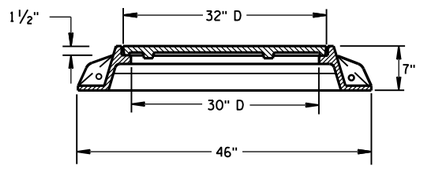
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

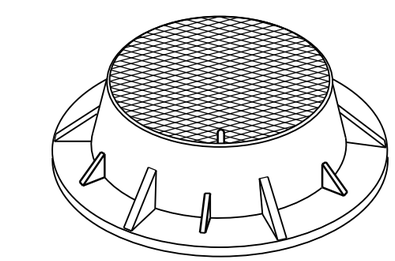
6

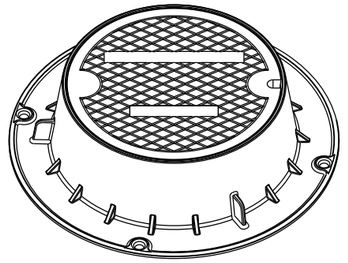
S.D.D. 8 A 5-19a

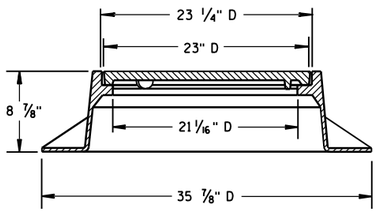


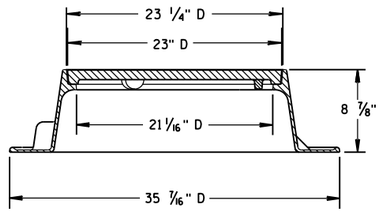


SECTION A-A
TYPE "K"









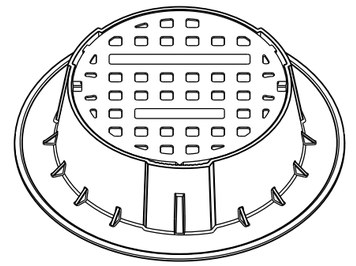
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

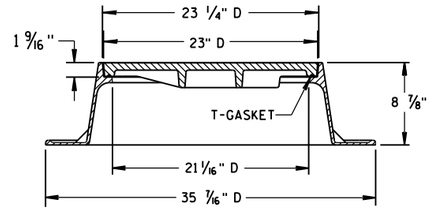
GENERAL NOTES

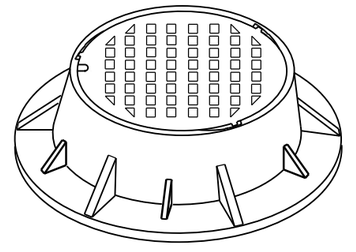
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

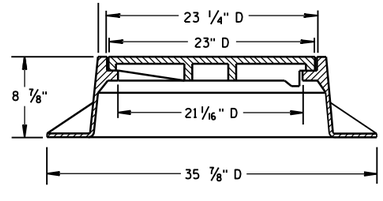
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

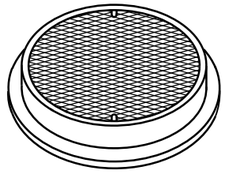


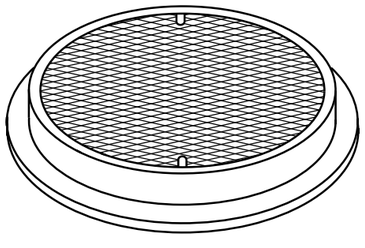


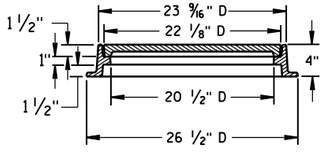




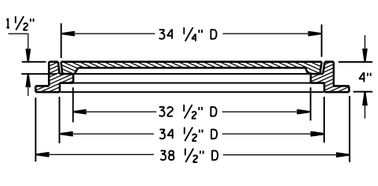
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



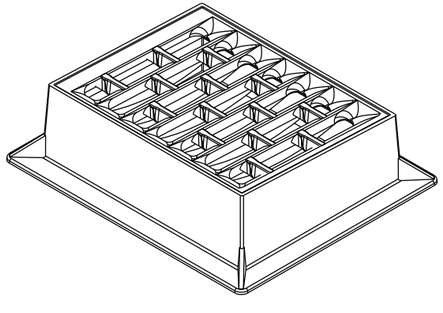


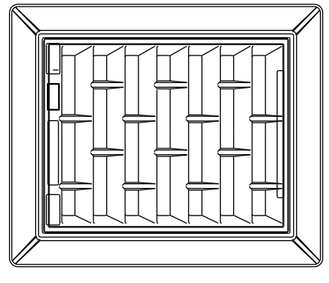


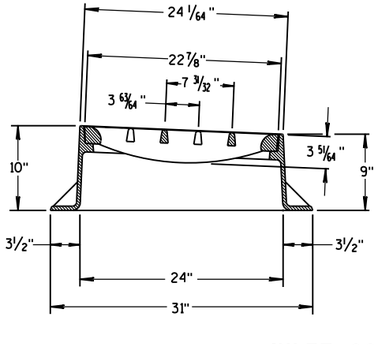
TYPE "L"

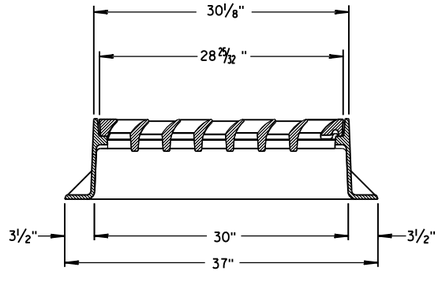


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

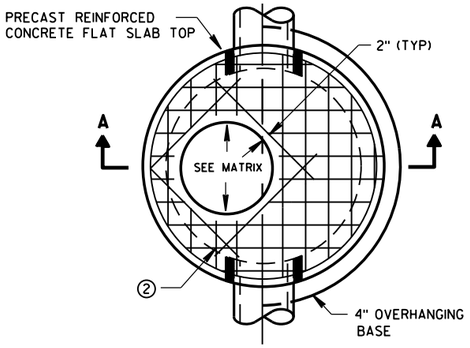
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

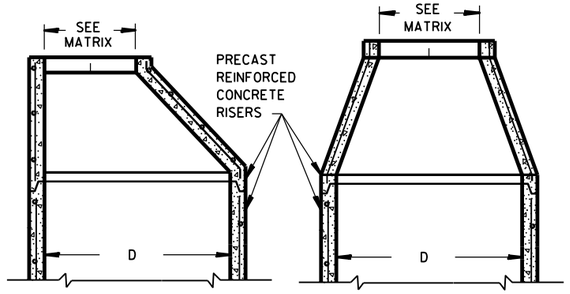
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

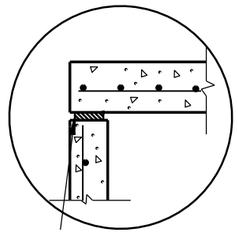


PLAN VIEW CIRCULAR OPENING

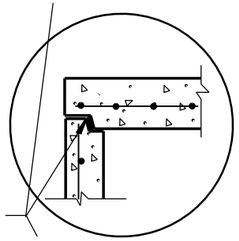


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

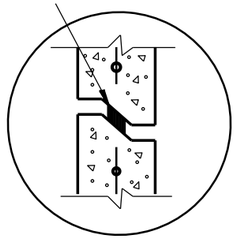


TOP WITH PLAIN END JOINT



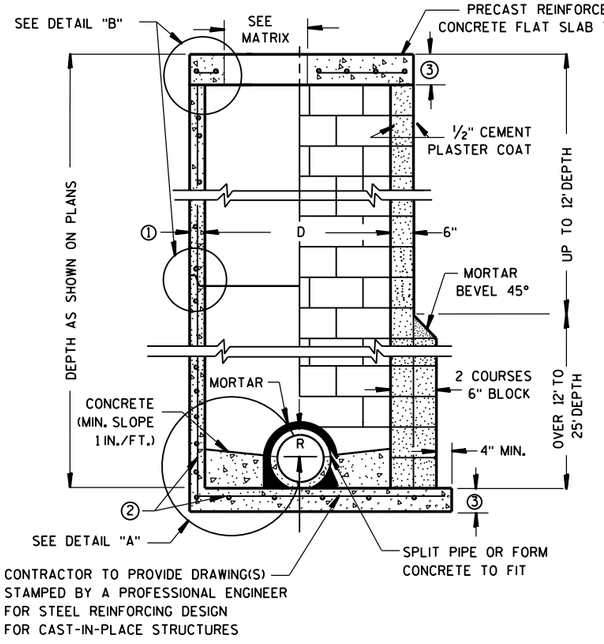
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



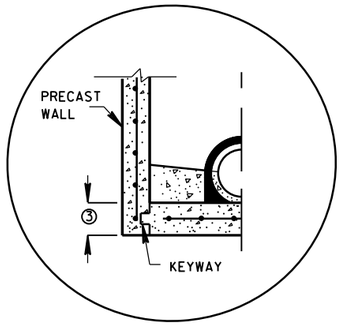
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

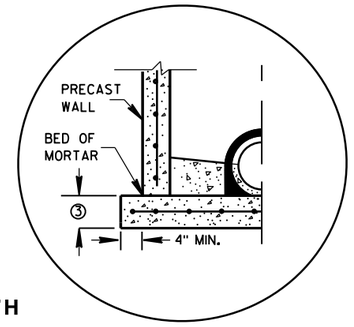


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

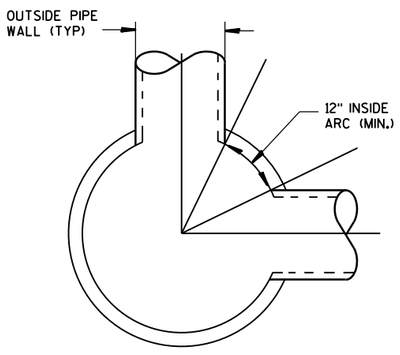


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

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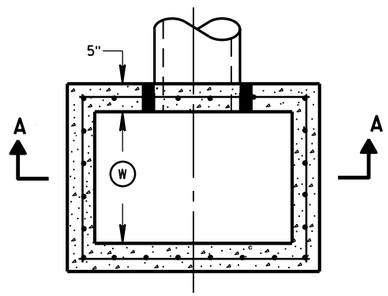
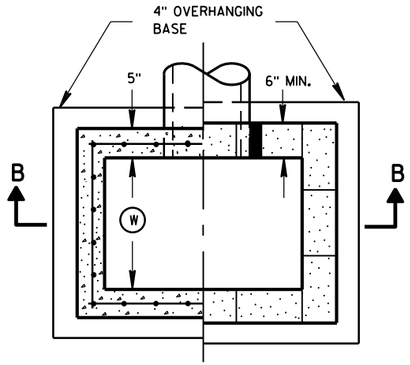
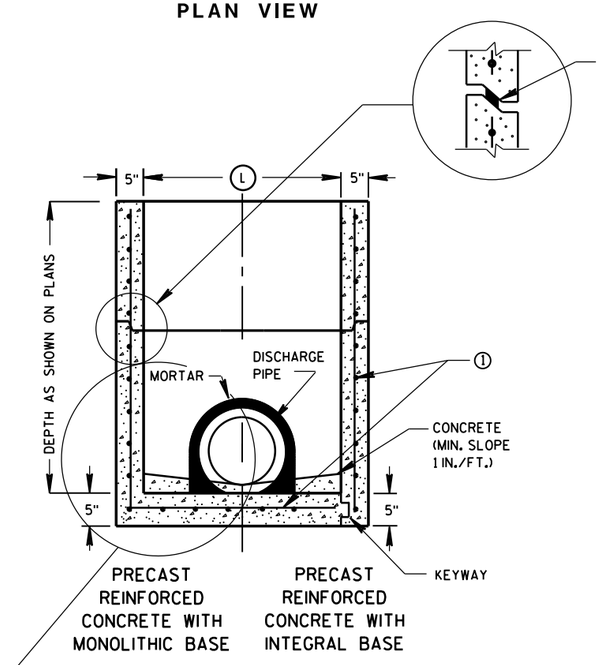


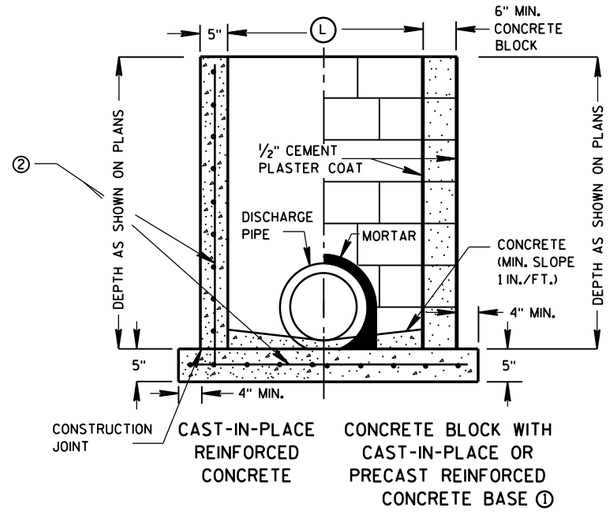
PLAN VIEW



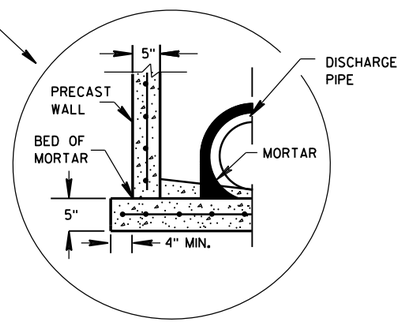
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

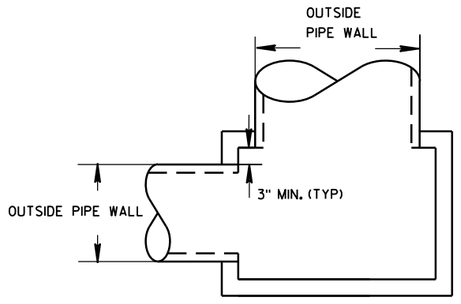
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



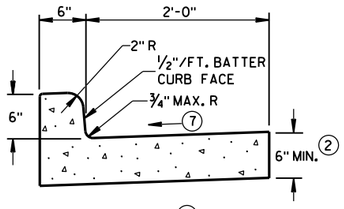
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

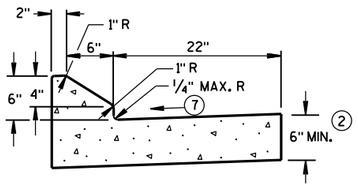
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

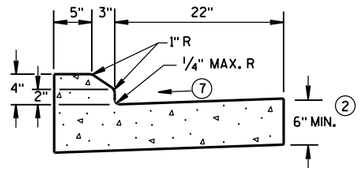
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



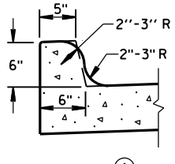
TYPES A (1) & D



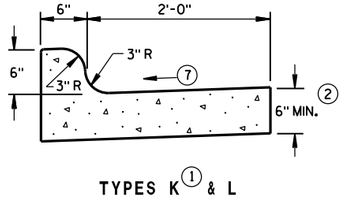
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

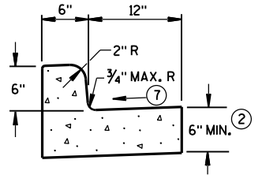


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



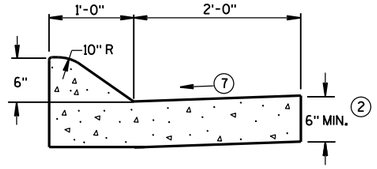
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

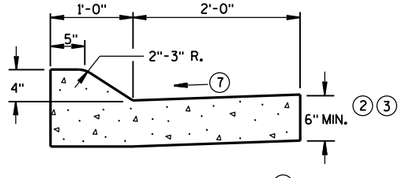


TYPES A (1) & D

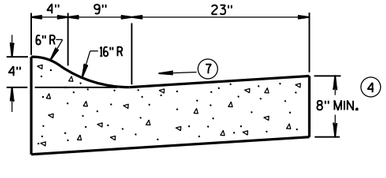
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

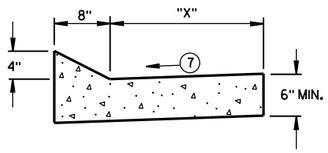


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

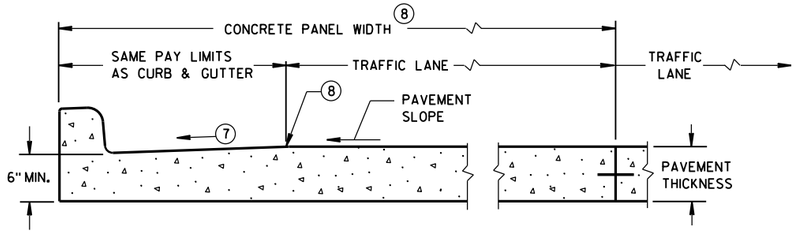
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

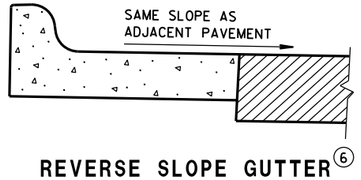
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

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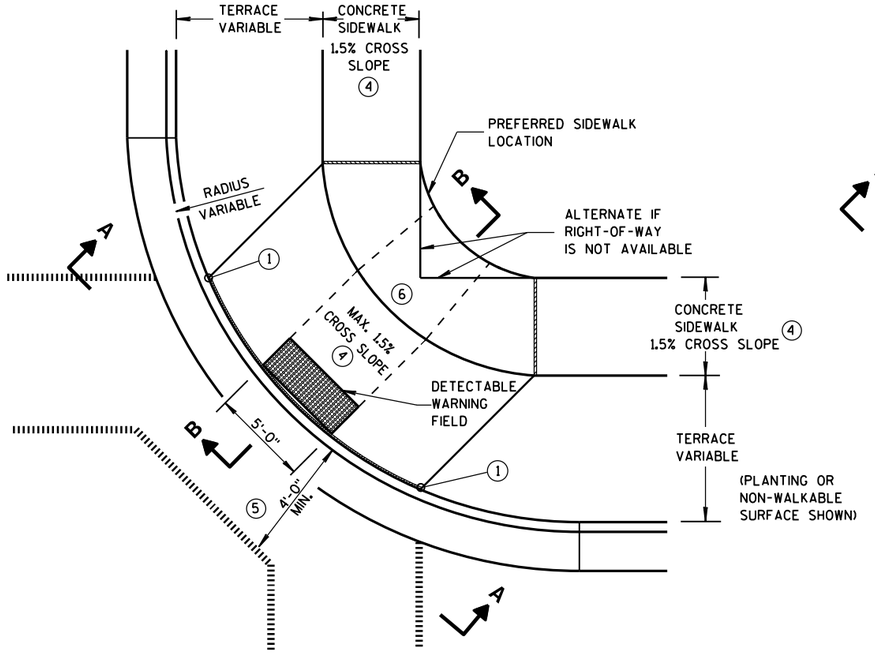
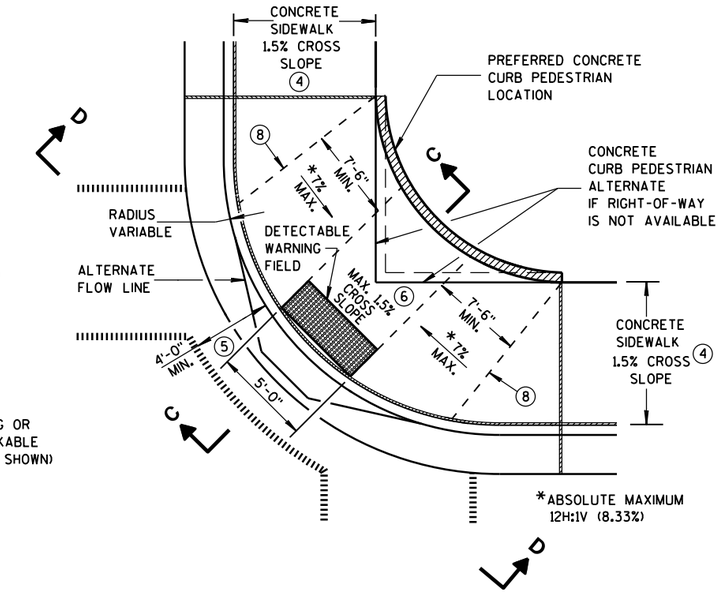


PLAN VIEW

TYPE 1 RAMP

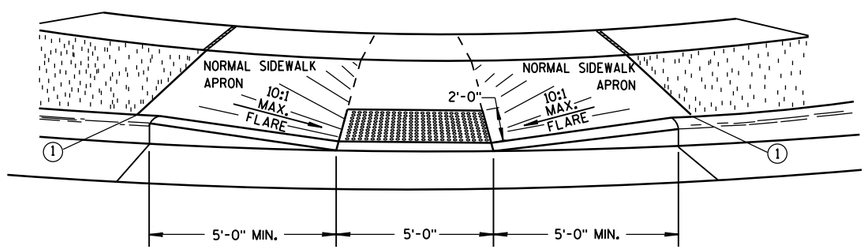
(CENTER OF CORNER RADIUS)



PLAN VIEW

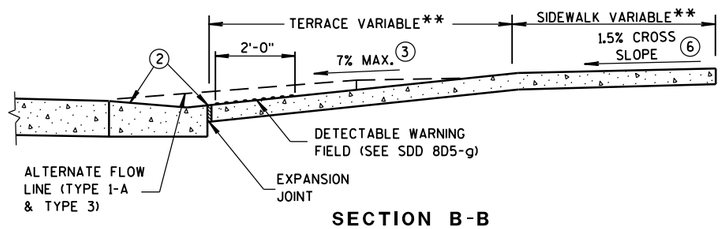
TYPE 1-A RAMP

(NO TERRACE)

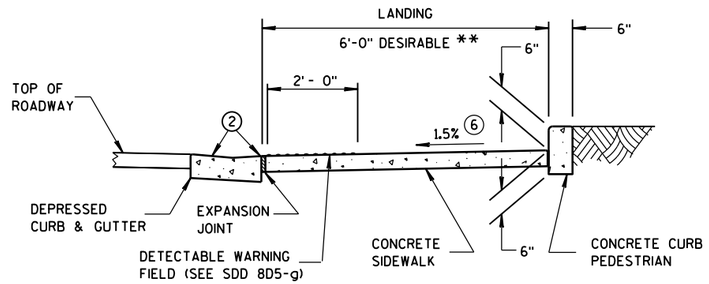


VIEW A-A

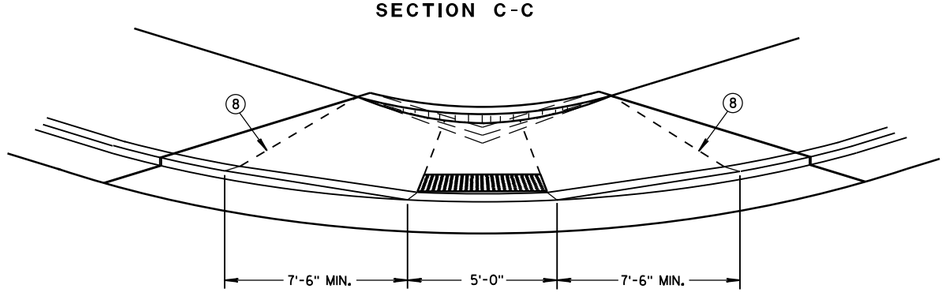
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

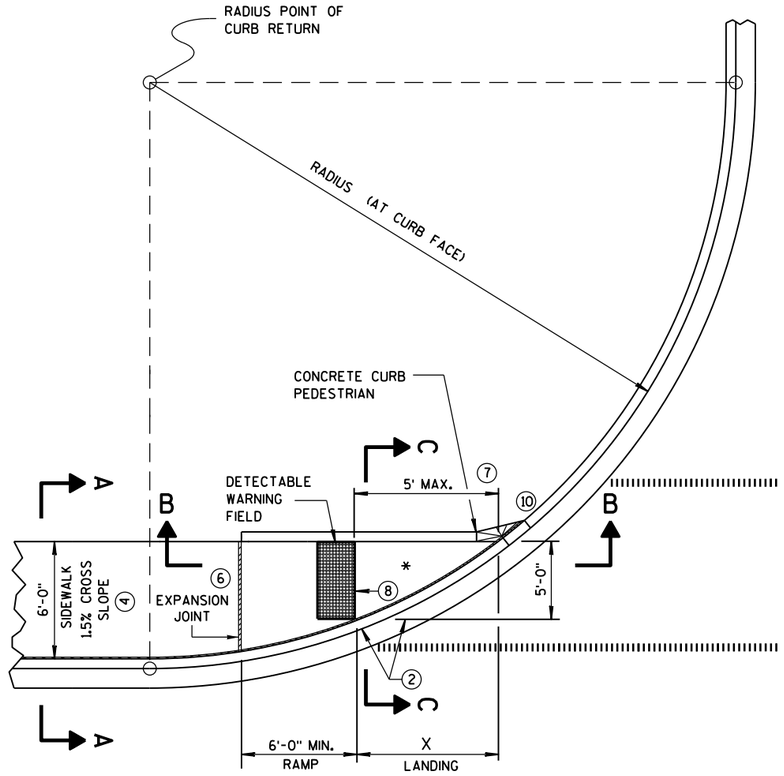
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

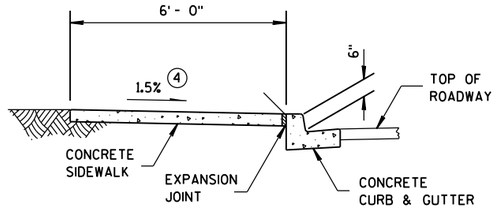
S.D.D. 8 D 5-19a



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

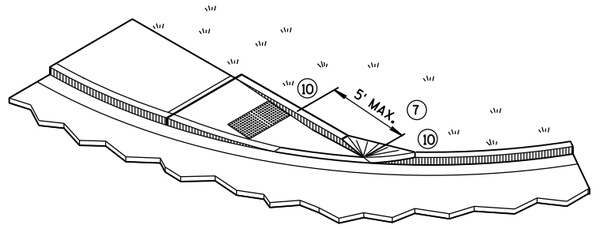
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

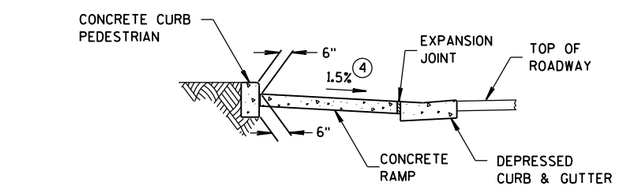
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

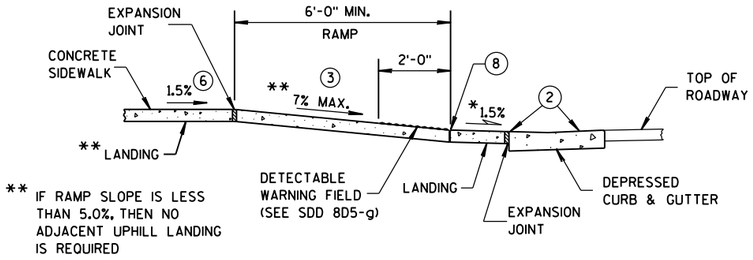
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



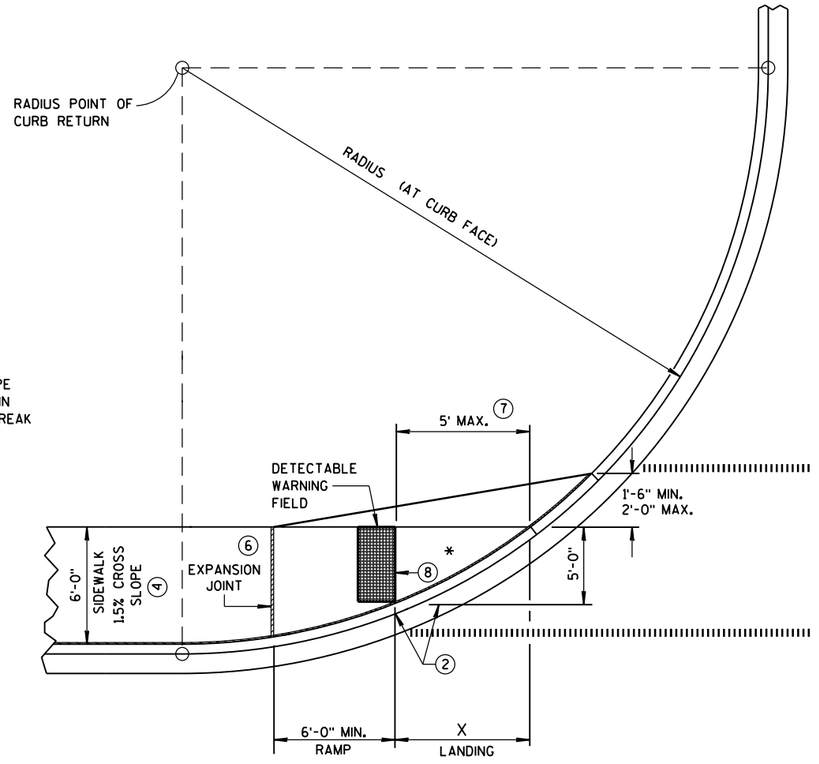
SECTION C-C FOR TYPE 4A



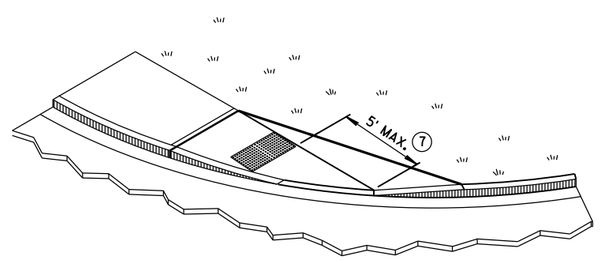
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

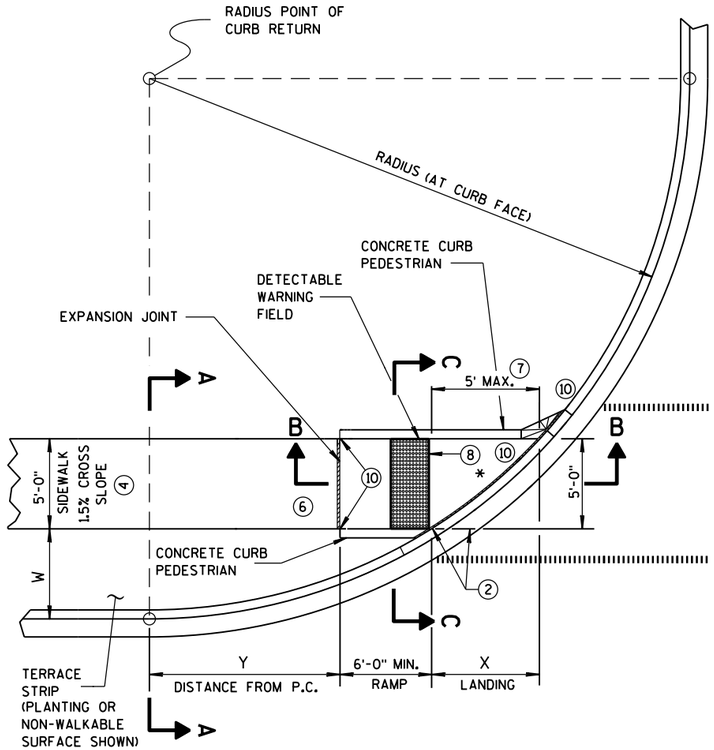
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

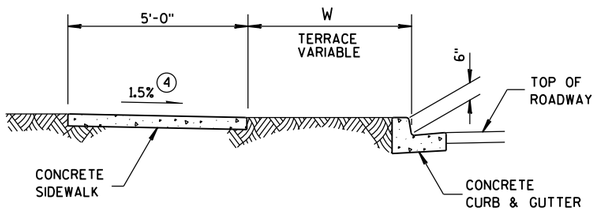
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

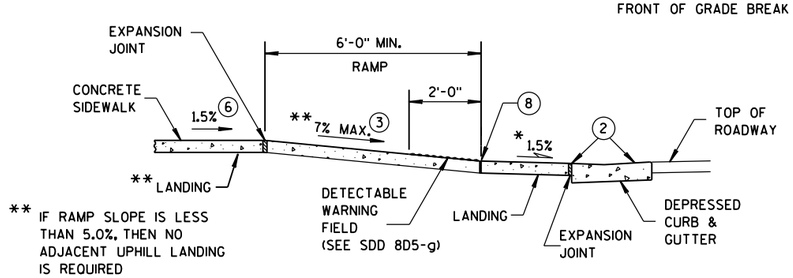
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



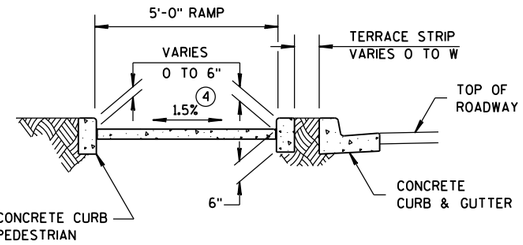
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C-C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

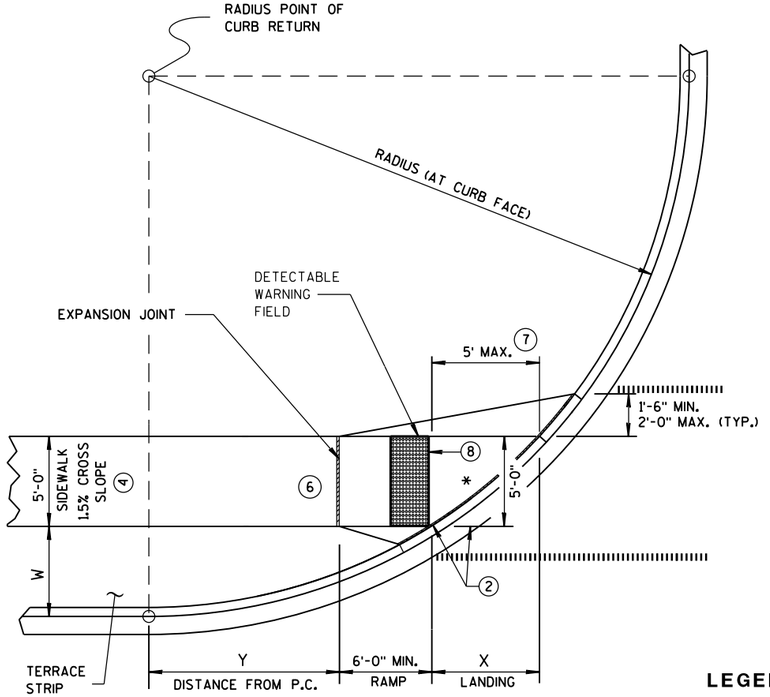
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

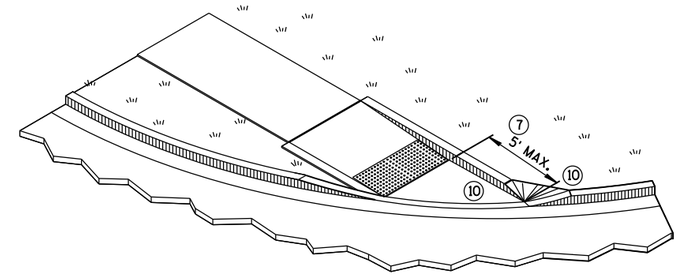
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

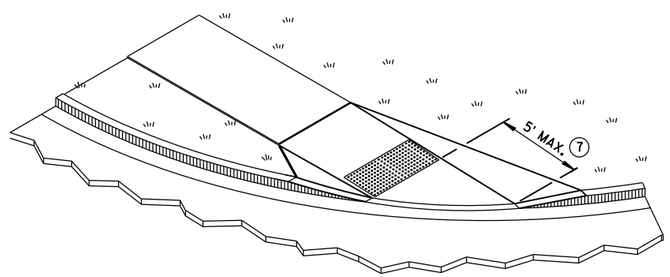
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

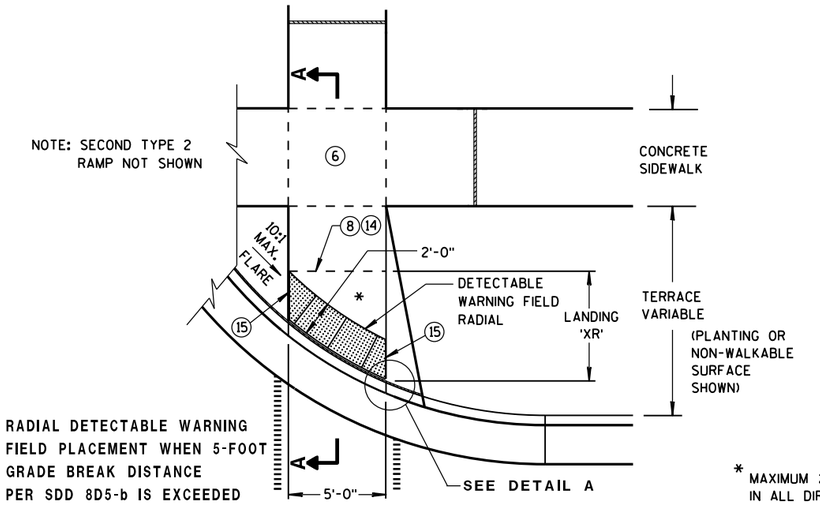
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19d

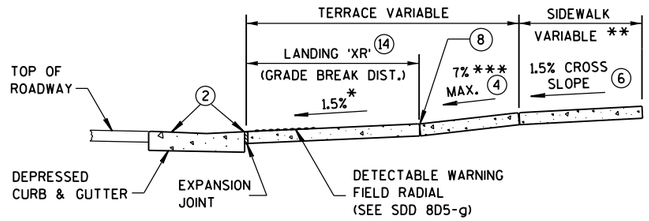


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS (DWFs) THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

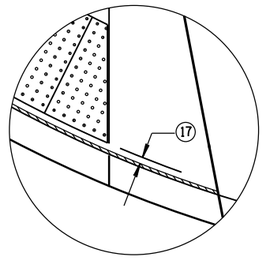
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

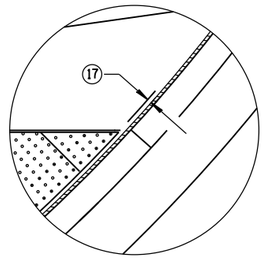
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

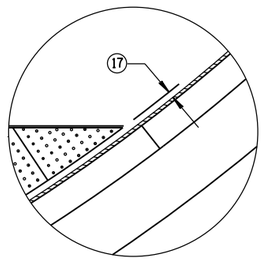
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



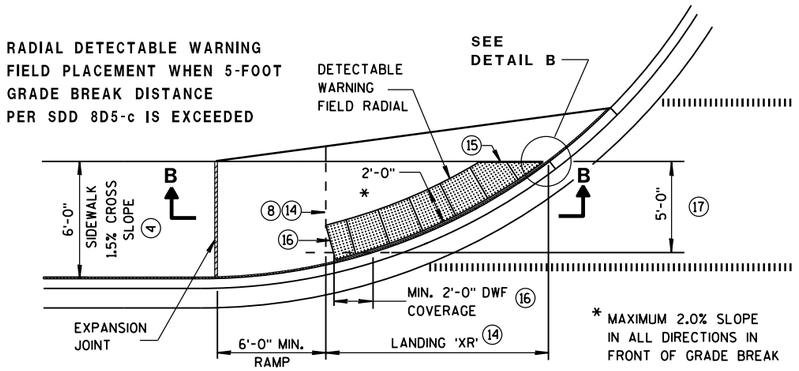
DETAIL A



DETAIL C

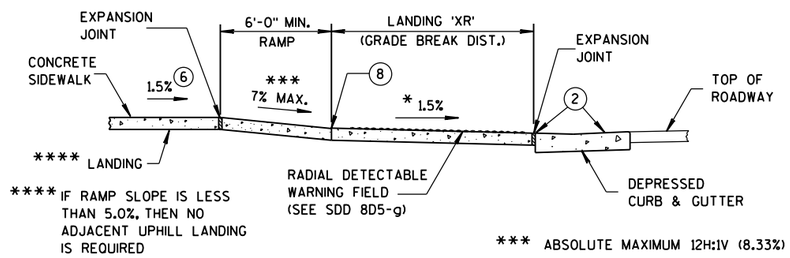


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

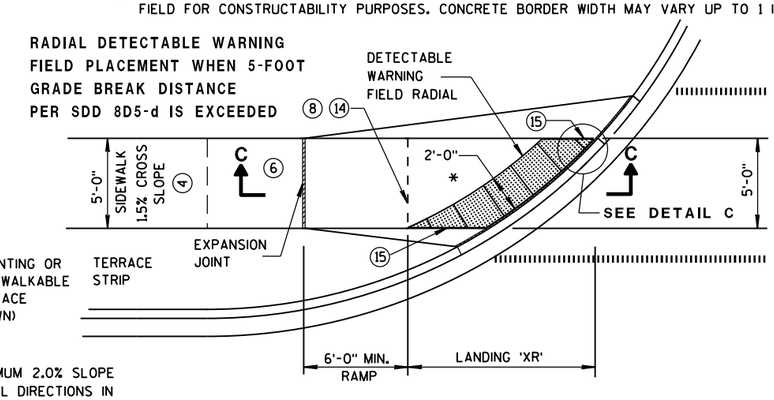
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

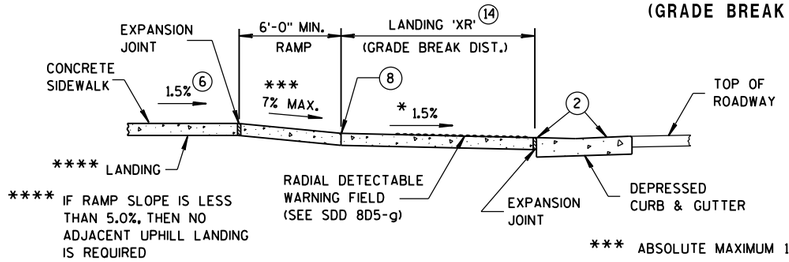
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

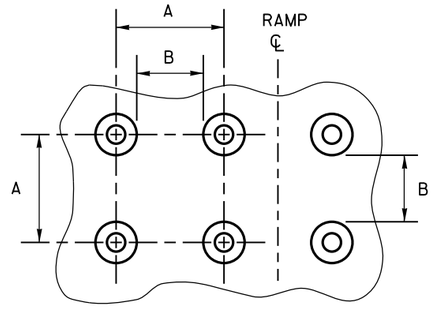
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

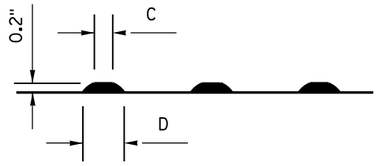
S.D.D. 8 D 5-19f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

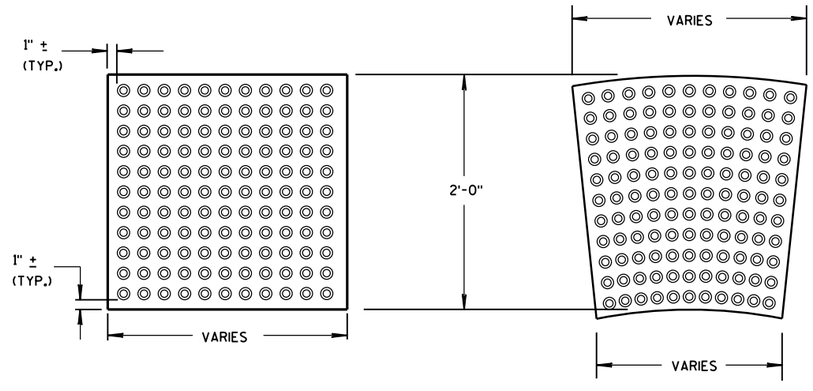
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

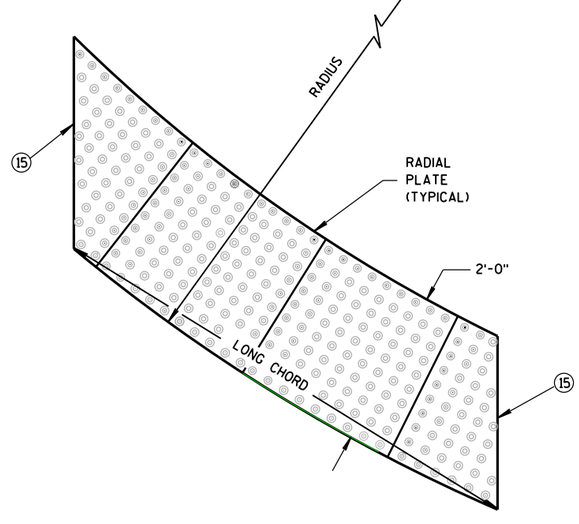


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
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FHWA

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S.D.D. 8 D 5-19g

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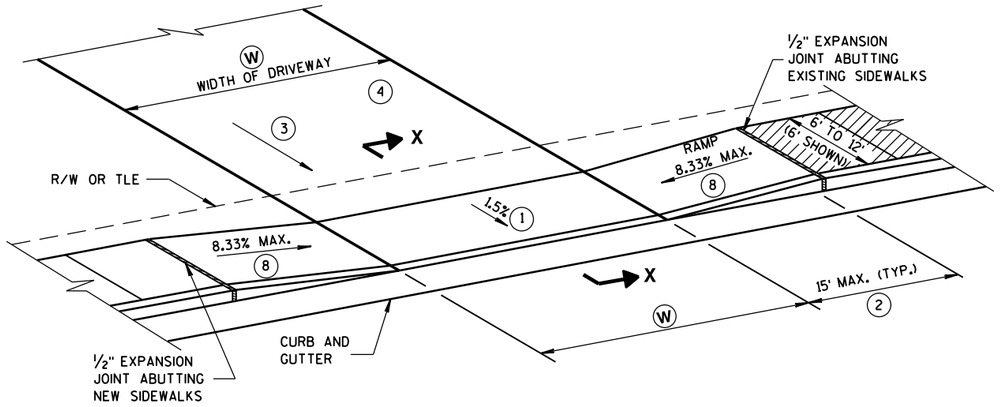
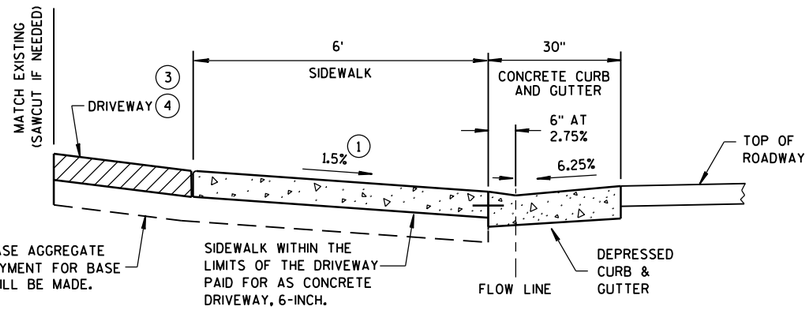
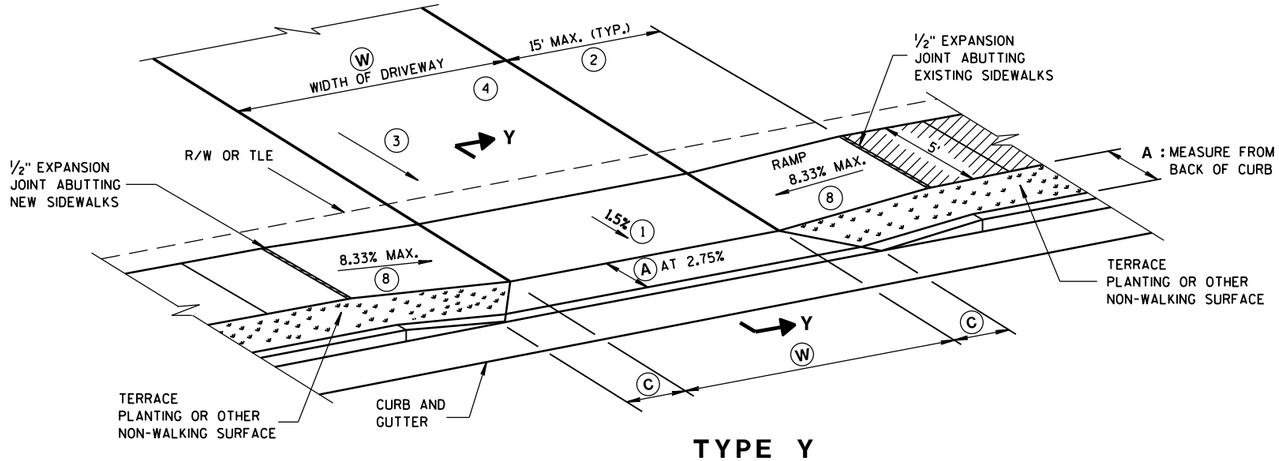


TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X

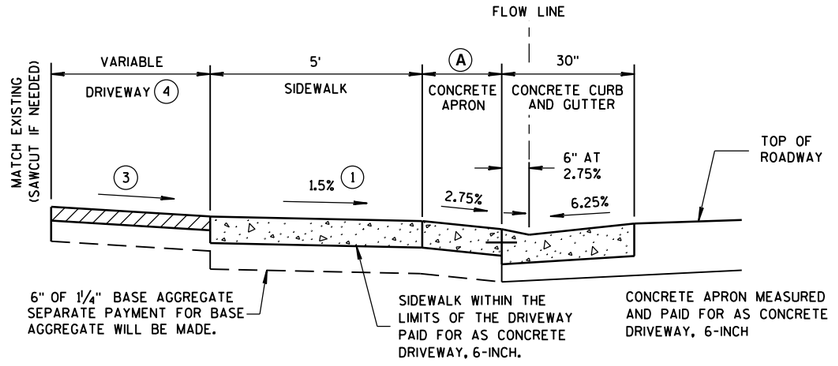


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

1. CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
2. THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.
3. DRIVEWAY SLOPES: DESIRABLE MAXIMUM
   - 10.5% UP AWAY FROM SIDEWALK (SAG)
   - 8.5% DOWN AWAY FROM SIDEWALK (CREST)
   - ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG
4. DRIVEWAY TYPES
   - 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
   - 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
   - 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)
5. PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.
6. (W) IS SHOWN ON PLAN AND PROFILE SHEETS.
7. OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.
8. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS UNIT SUPERV
FHWA

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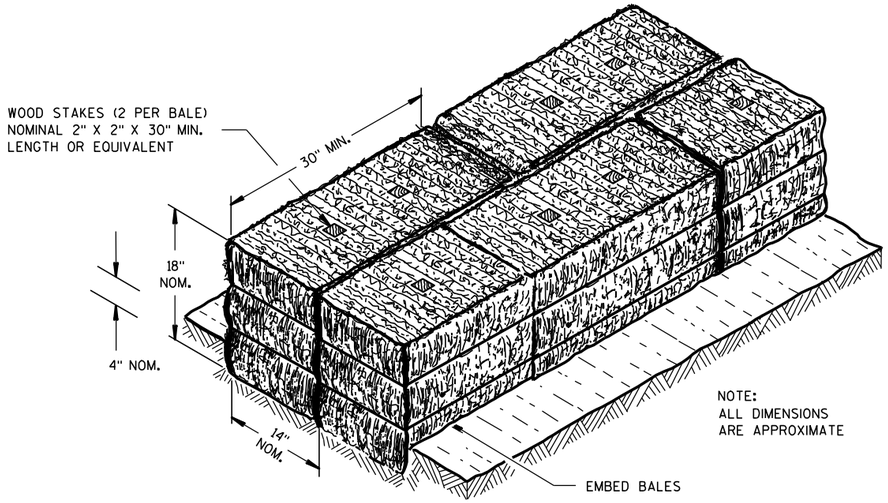
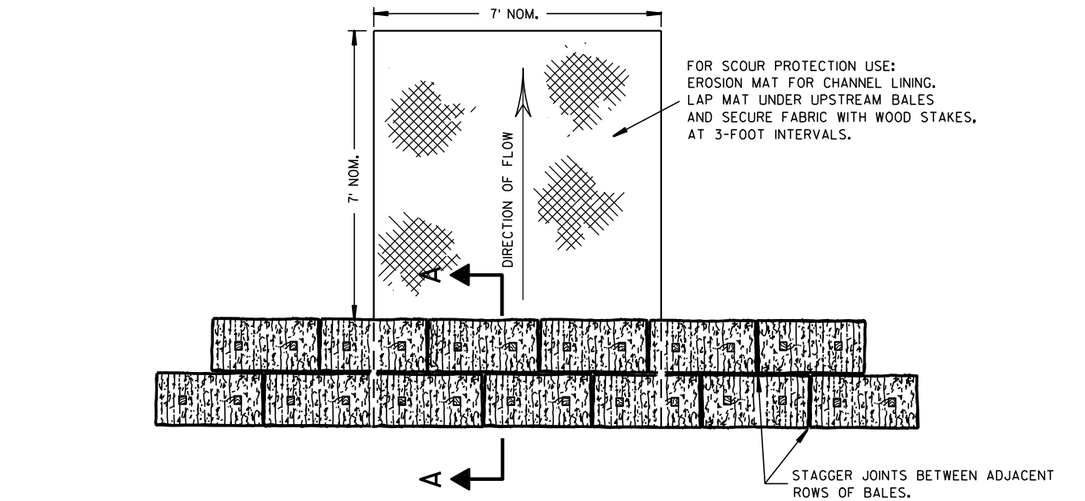
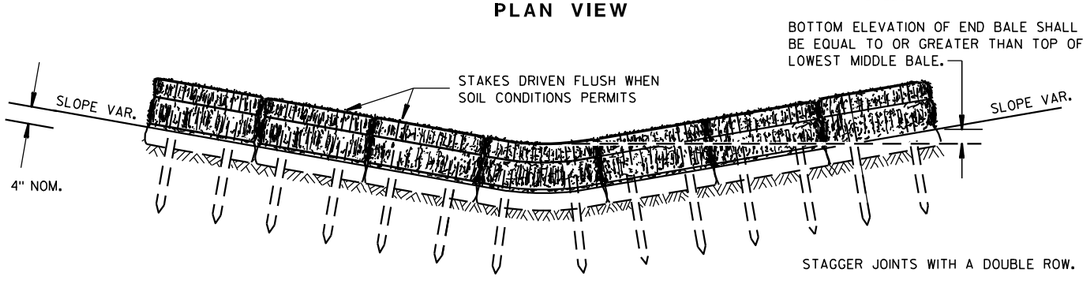


SECTION A-A



PLAN VIEW



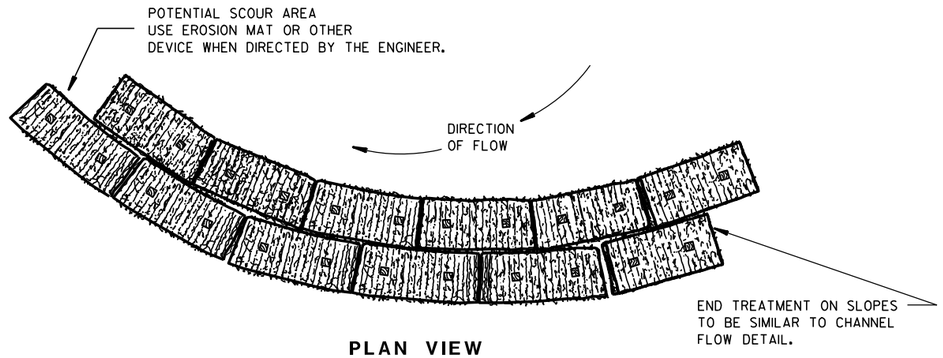
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

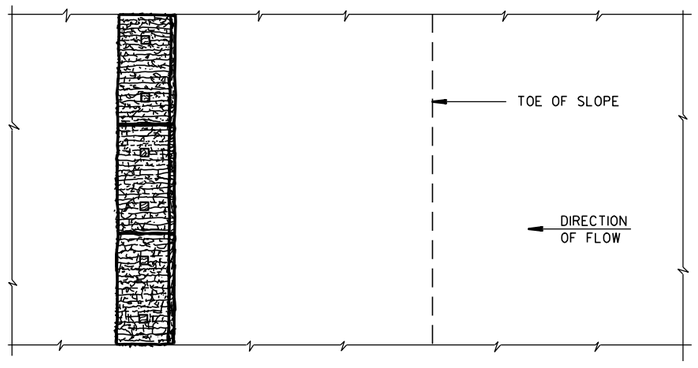
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

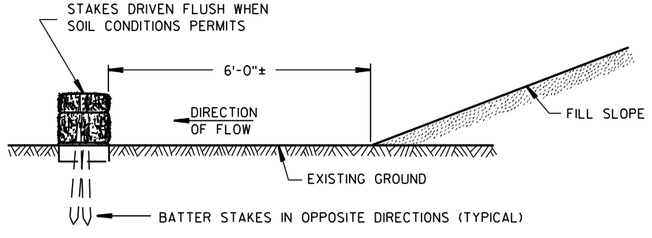


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3

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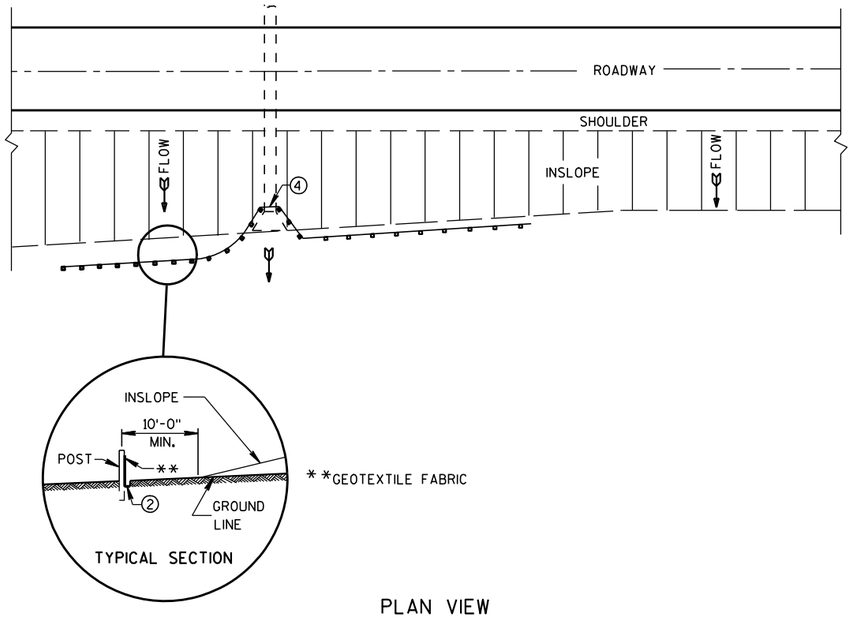
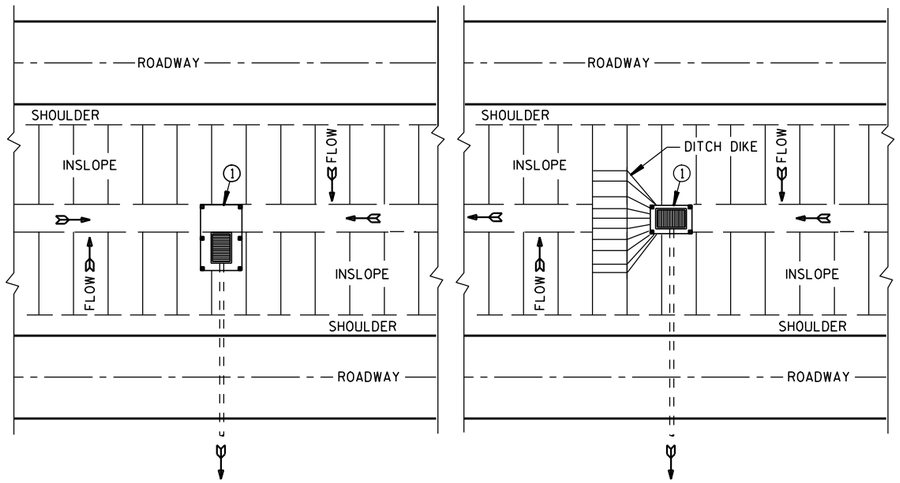
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

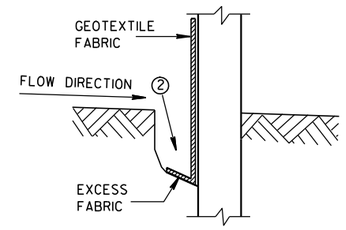
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

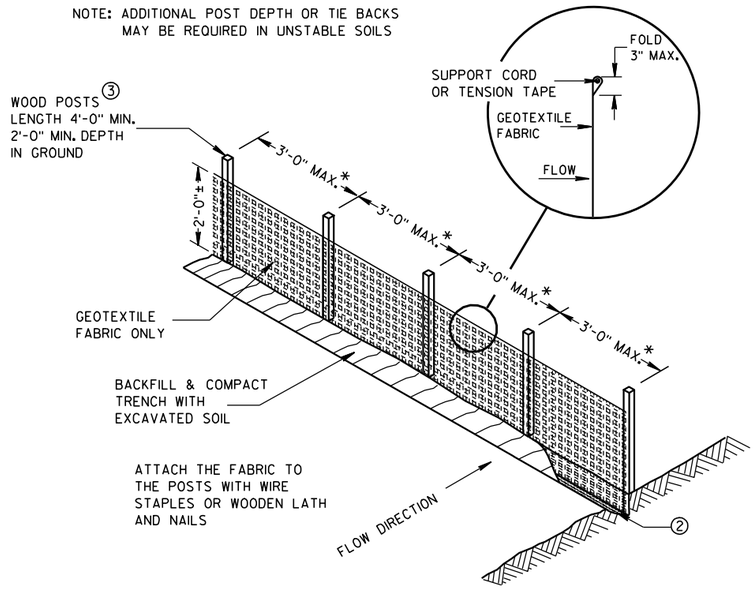
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

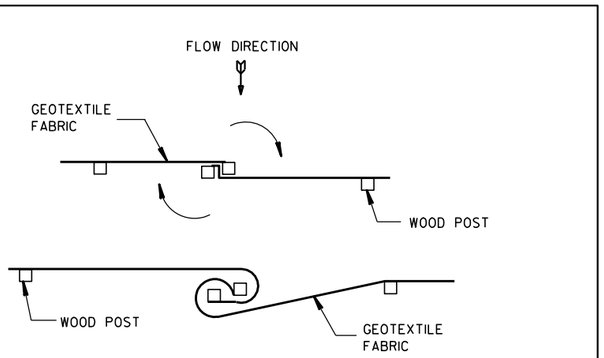
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



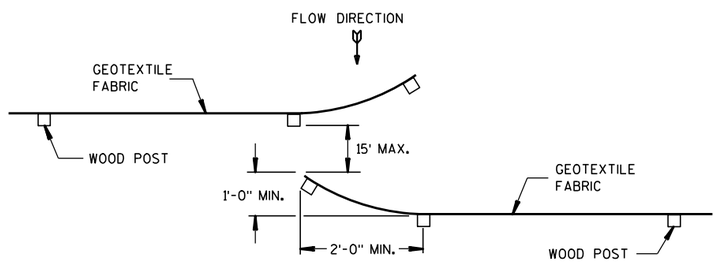
TRENCH DETAIL



SILT FENCE

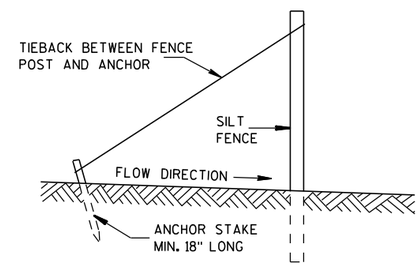


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
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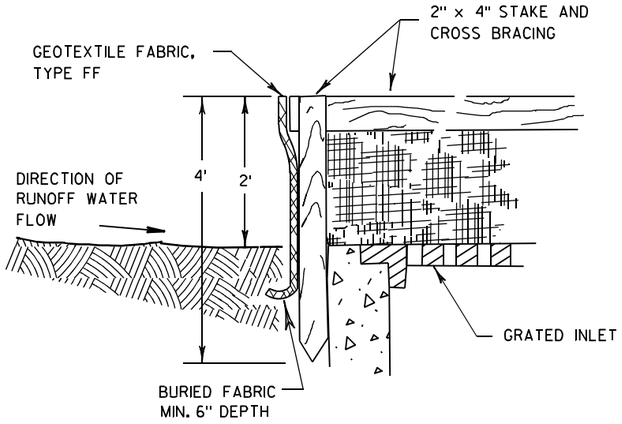
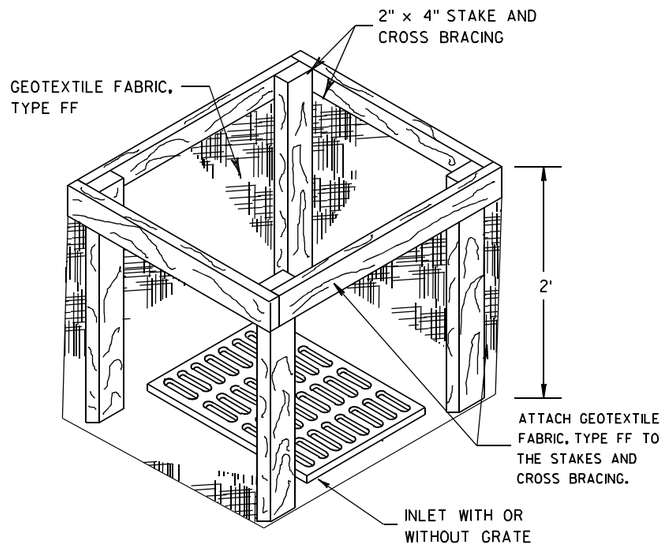
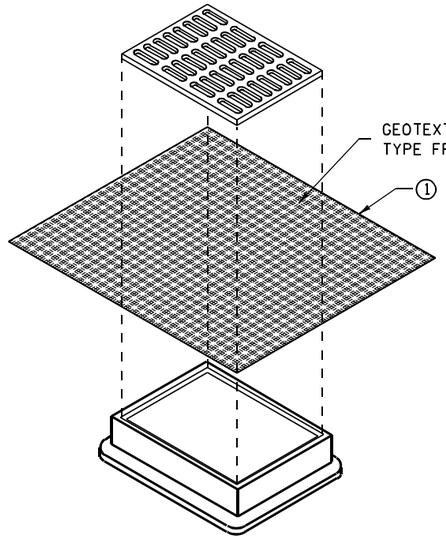


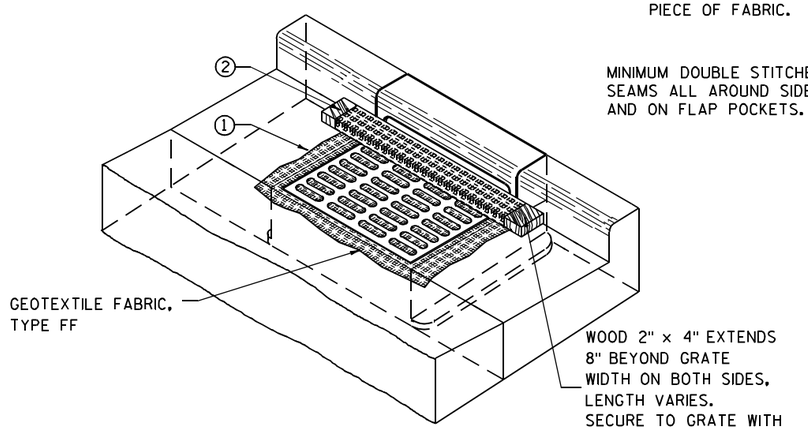


INLET PROTECTION, TYPE A

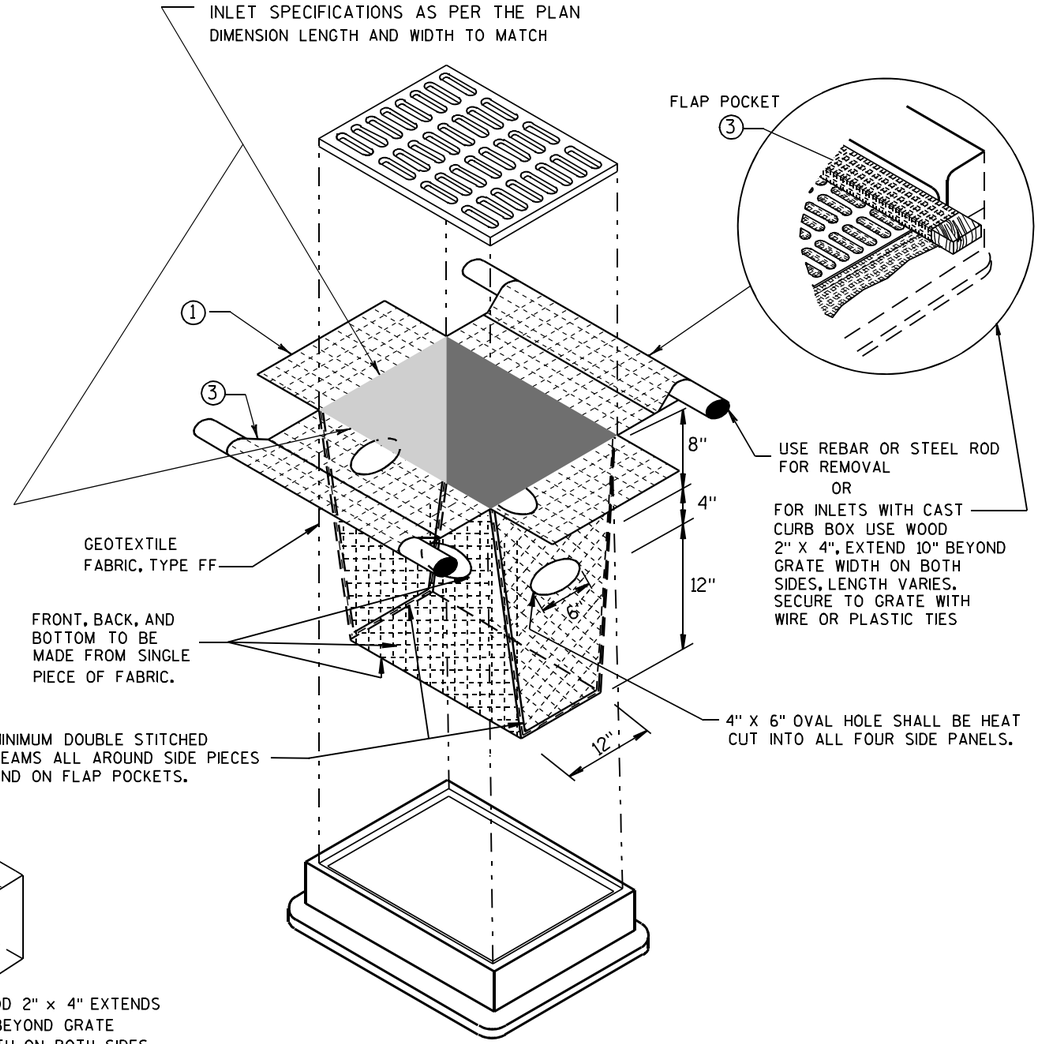


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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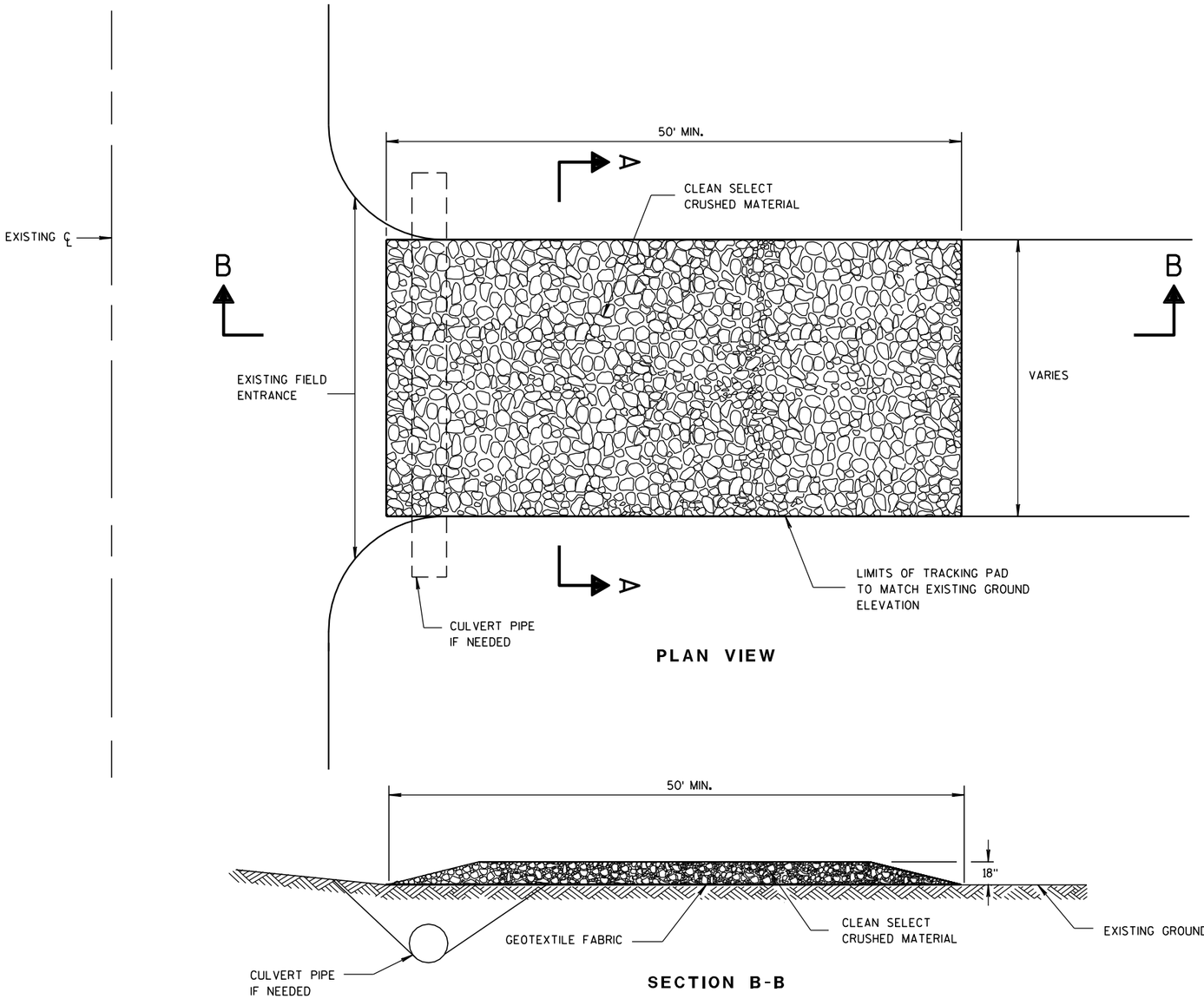
S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

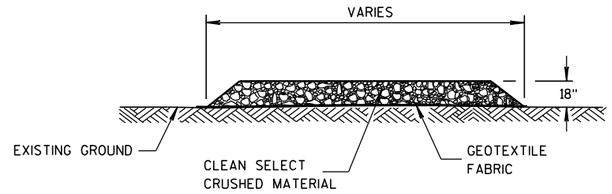
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

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S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

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6

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METAL APRON ENDWALLS

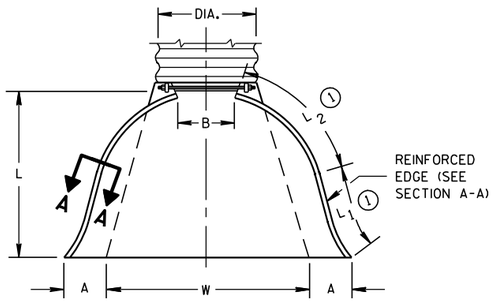
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

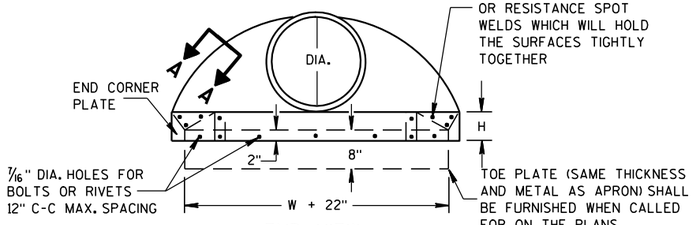
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

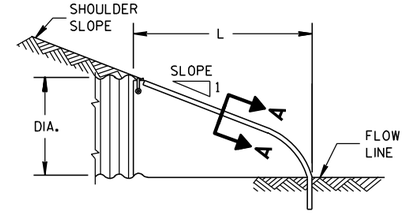
* MINIMUM
** MAXIMUM



PLAN VIEW

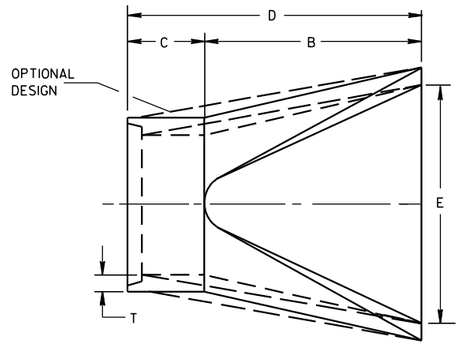


END VIEW

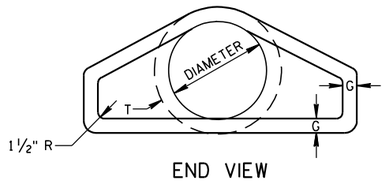


SIDE ELEVATION

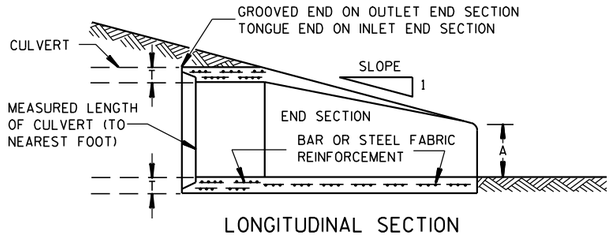
METAL ENDWALLS



PLAN

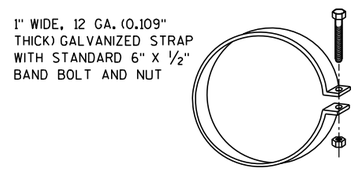


END VIEW



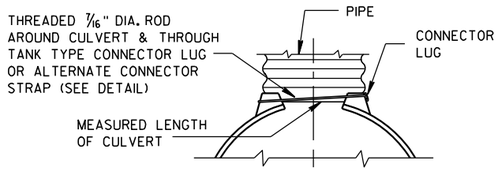
LONGITUDINAL SECTION

CONCRETE ENDWALLS

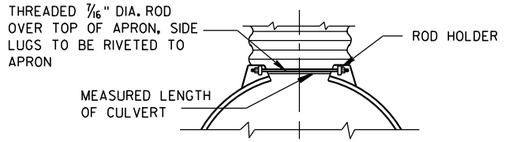


ALTERNATE FOR TYPE 1 CONNECTION

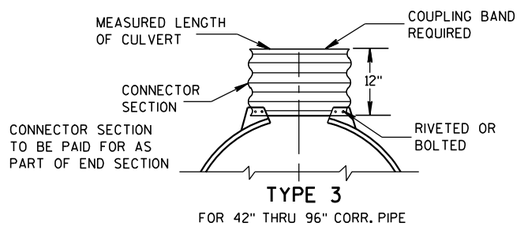
END SECTION CONNECTOR STRAP



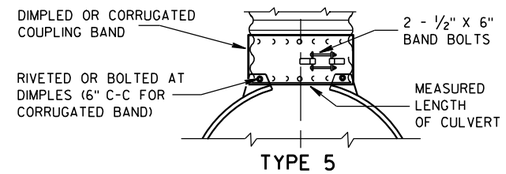
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

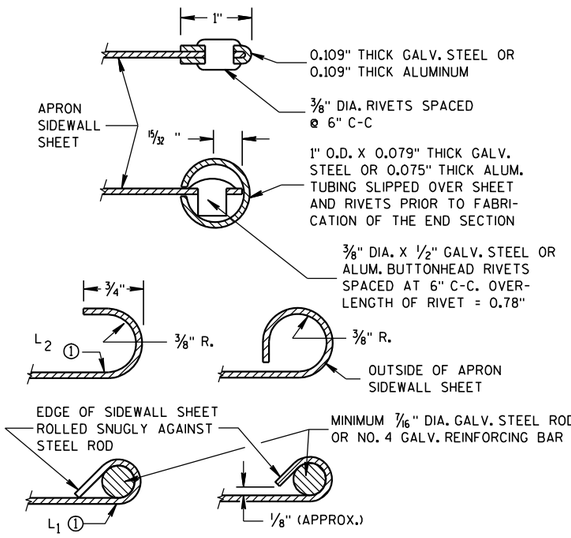
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 1-11

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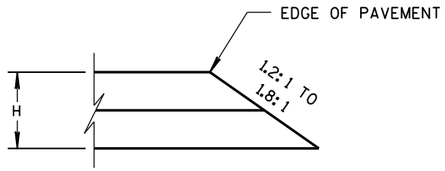
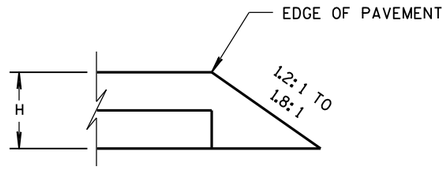
S.D.D. 8 F 1-11



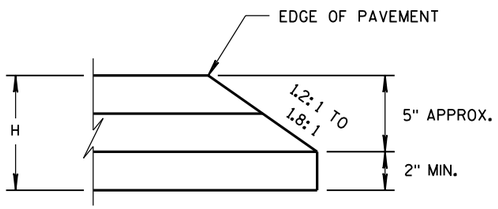
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



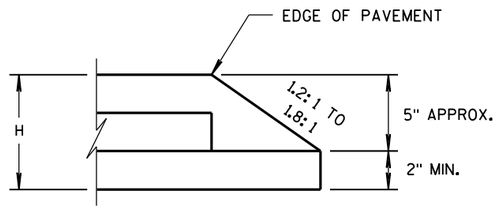
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

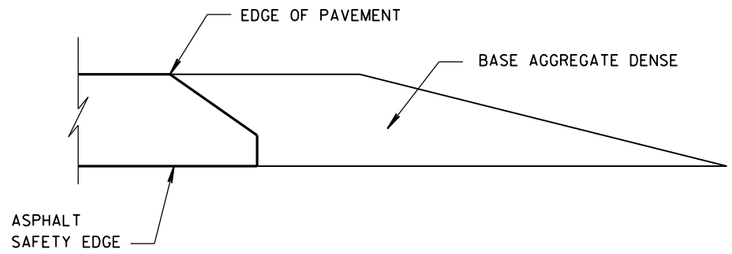
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

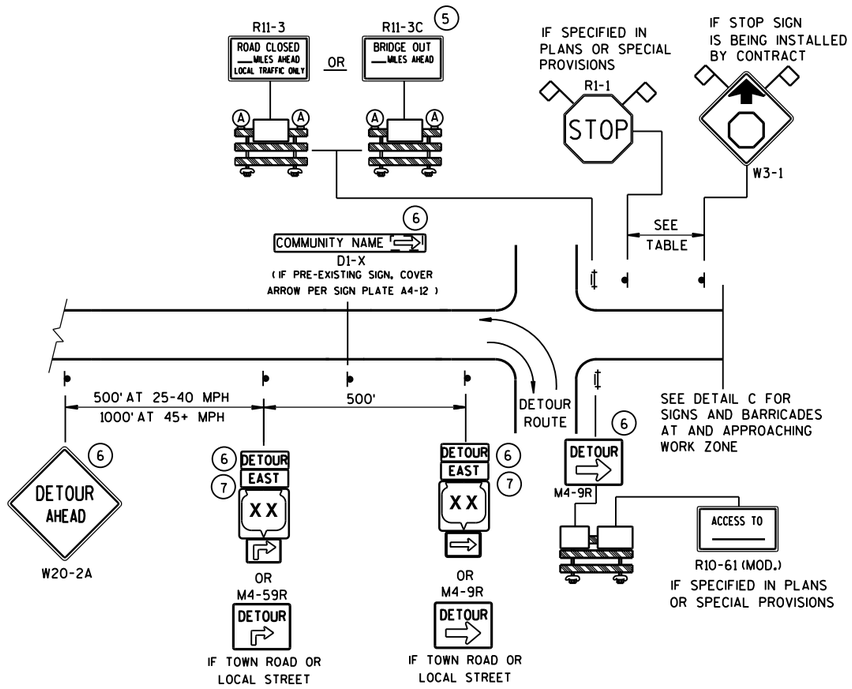
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

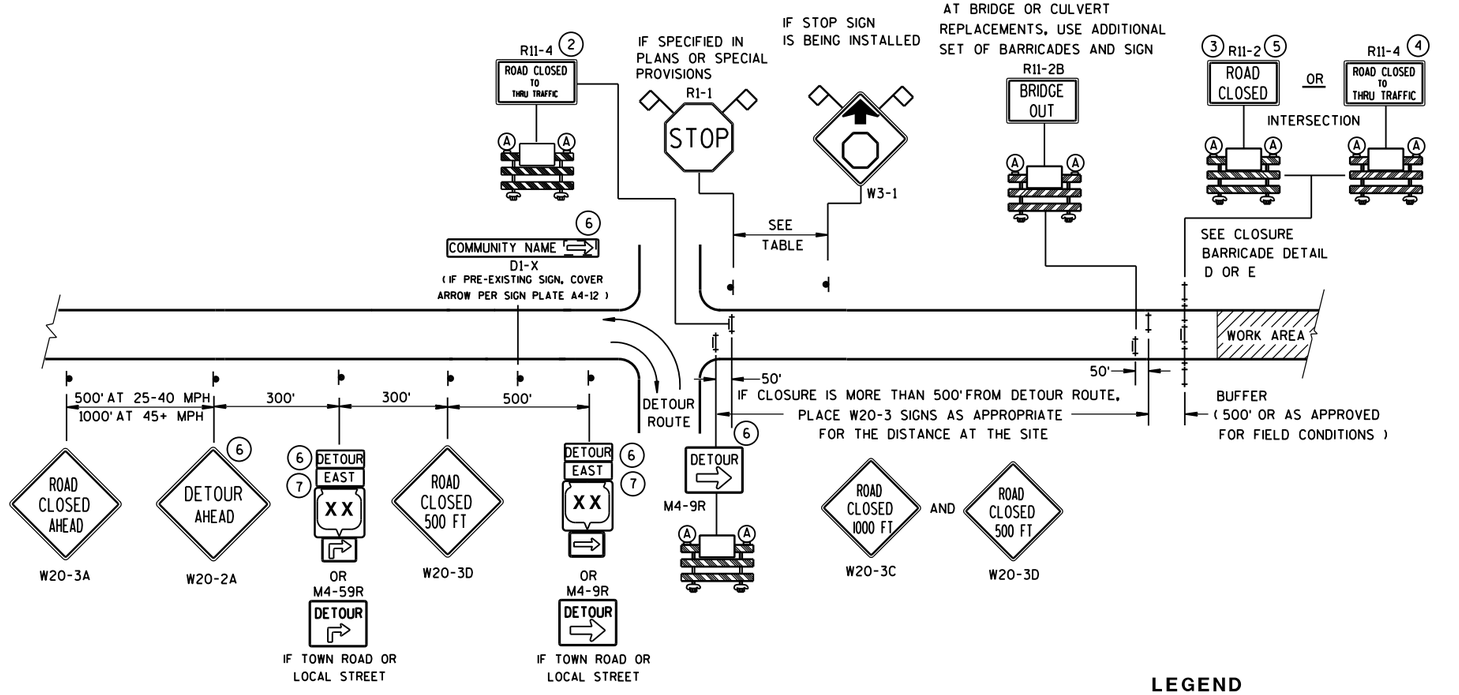
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



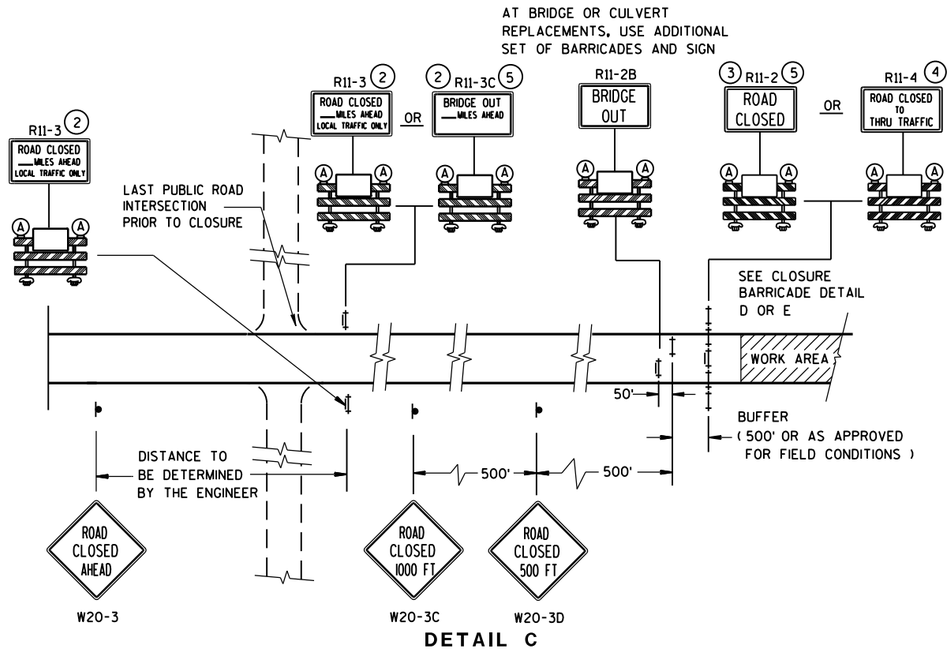
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

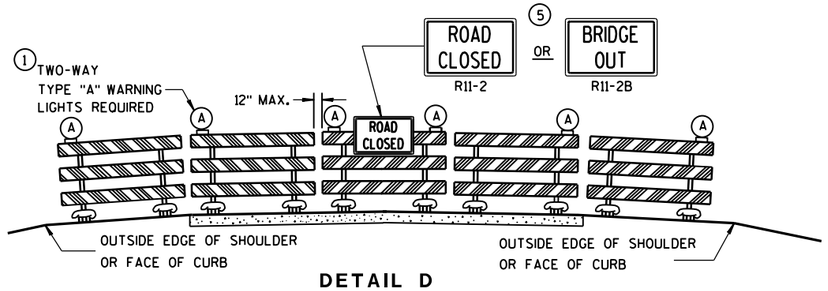
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

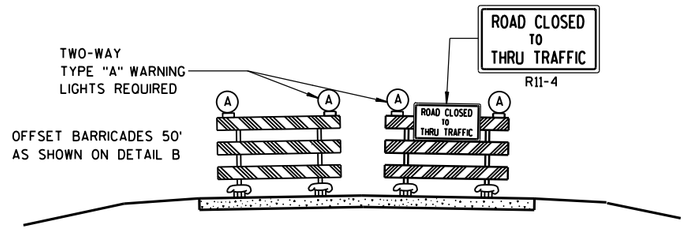
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

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S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

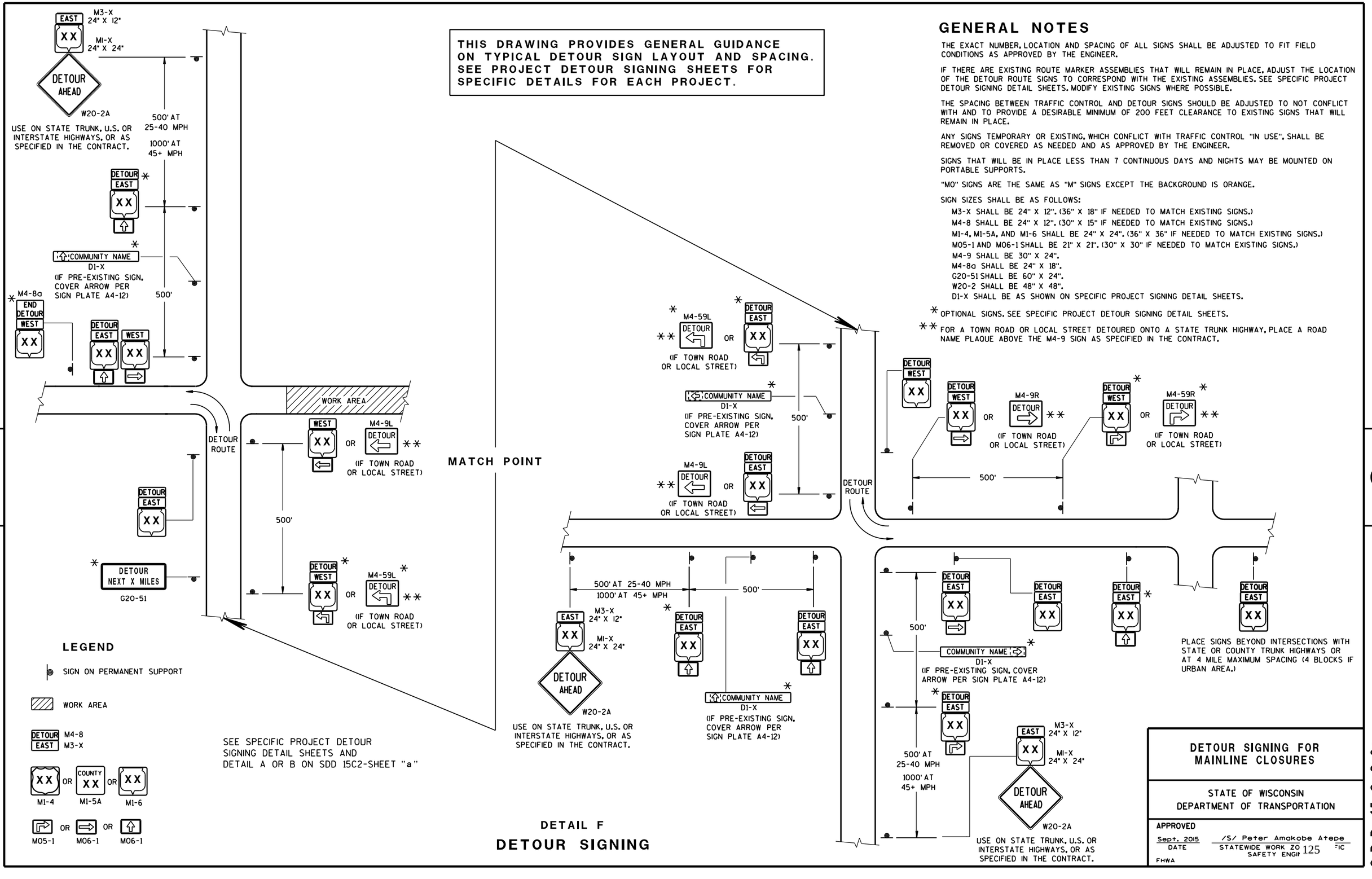
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- M05-1 OR M06-1 OR M06-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

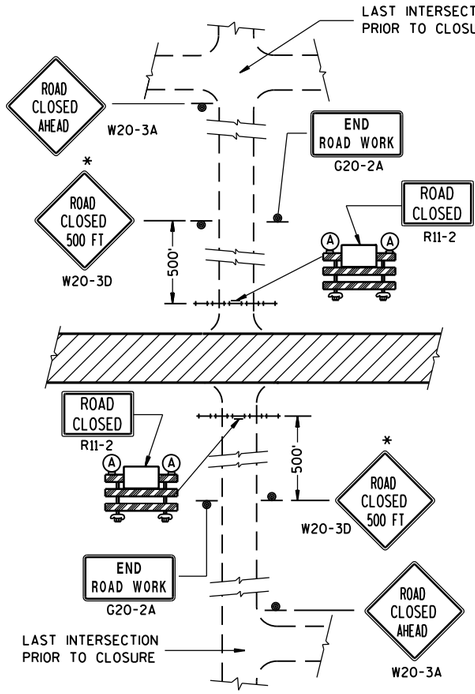
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

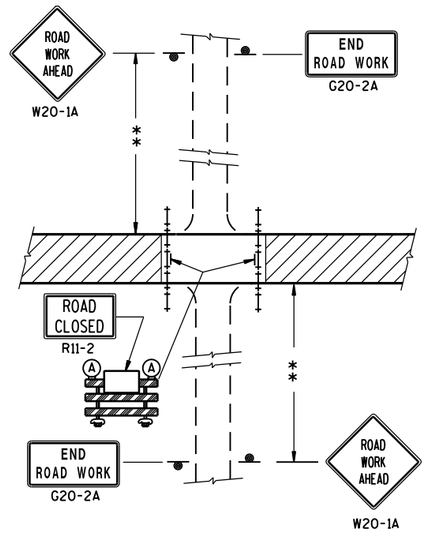
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



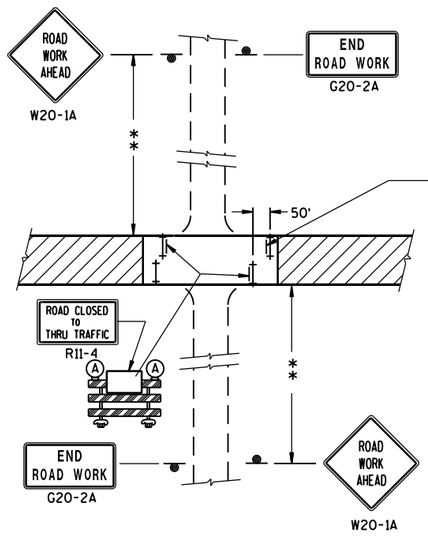
DETAIL 1

(NO ACCESS TO PROJECT)



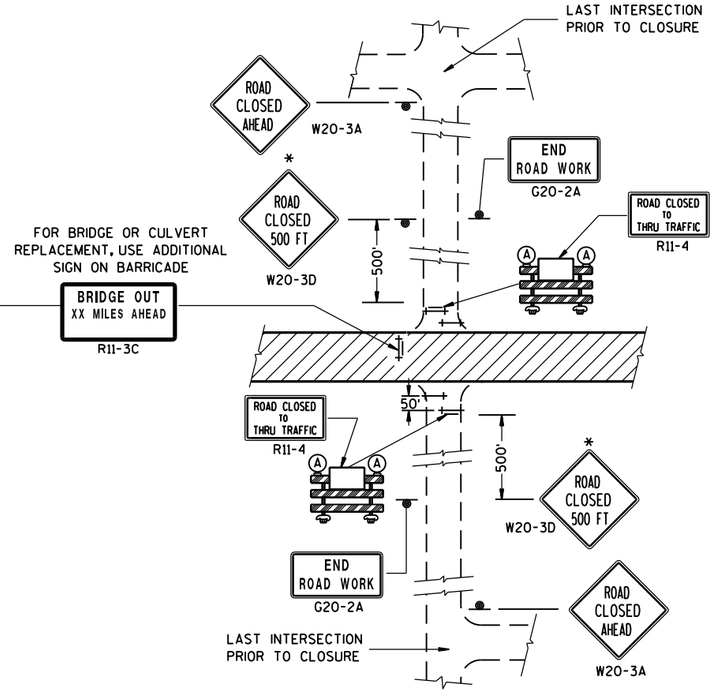
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

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S.D.D. 15 C 3-4

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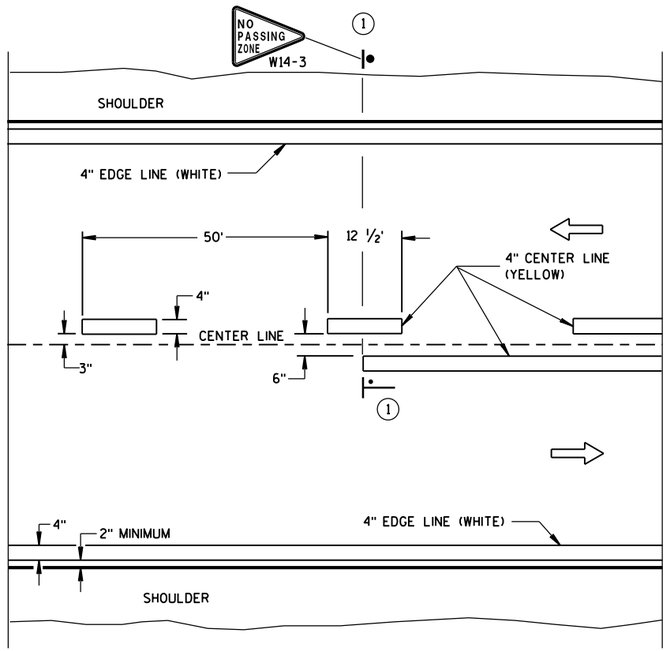
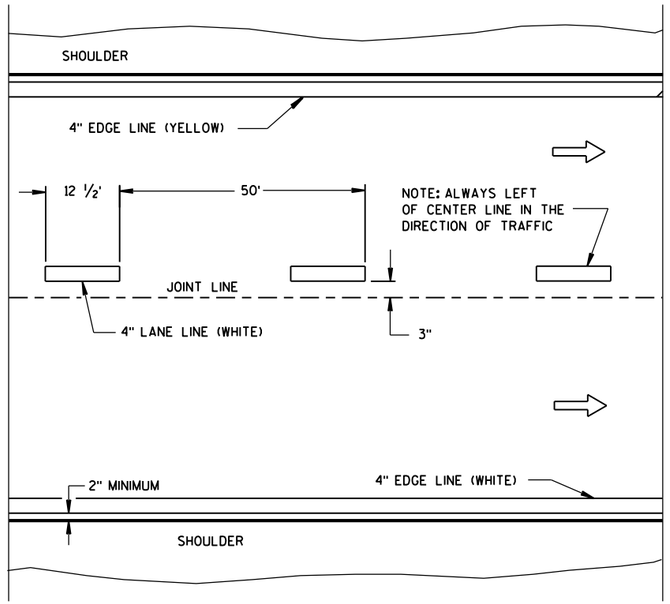
S.D.D. 15 C 3-4



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

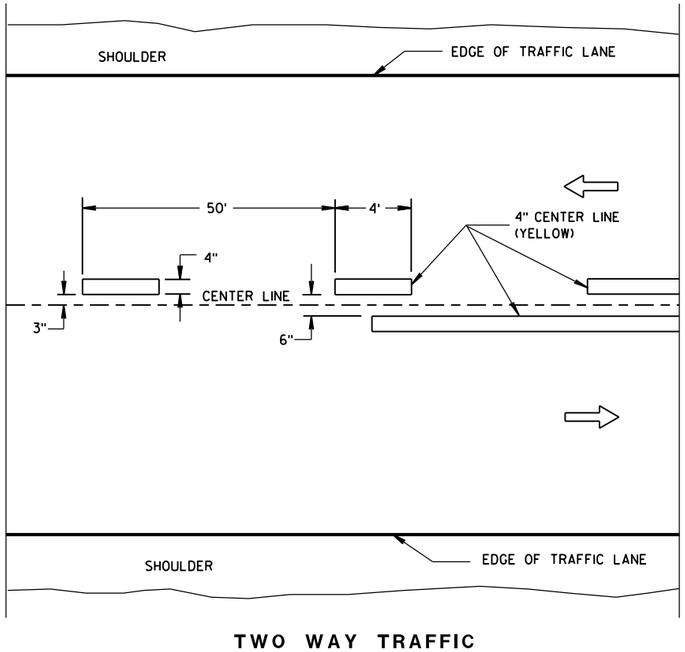
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

LEGEND

"T" MARKING

POST MOUNTED SIGN



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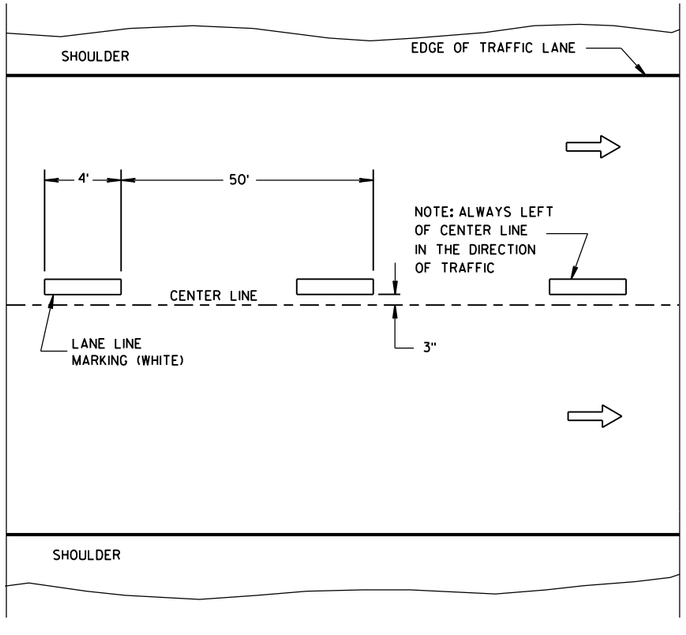

ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR ENGINEER
FHWA	

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S.D.D. 15 C 8-18a

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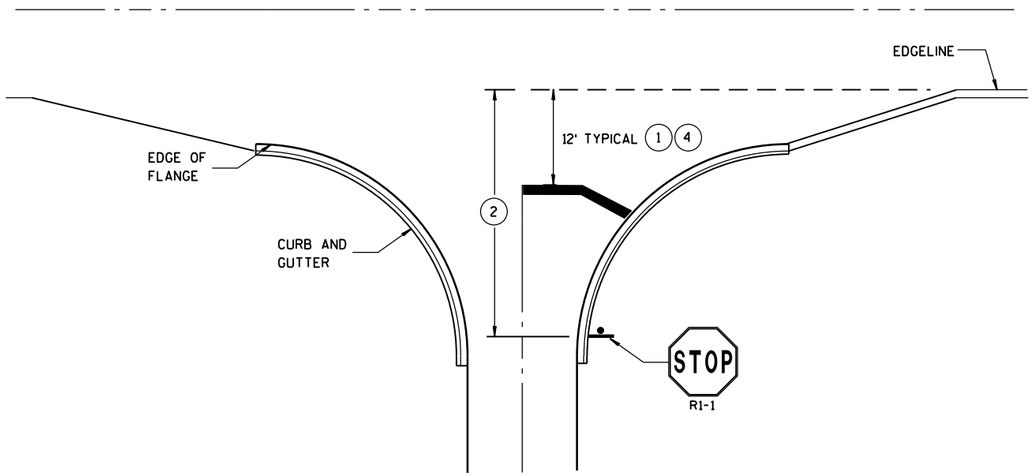
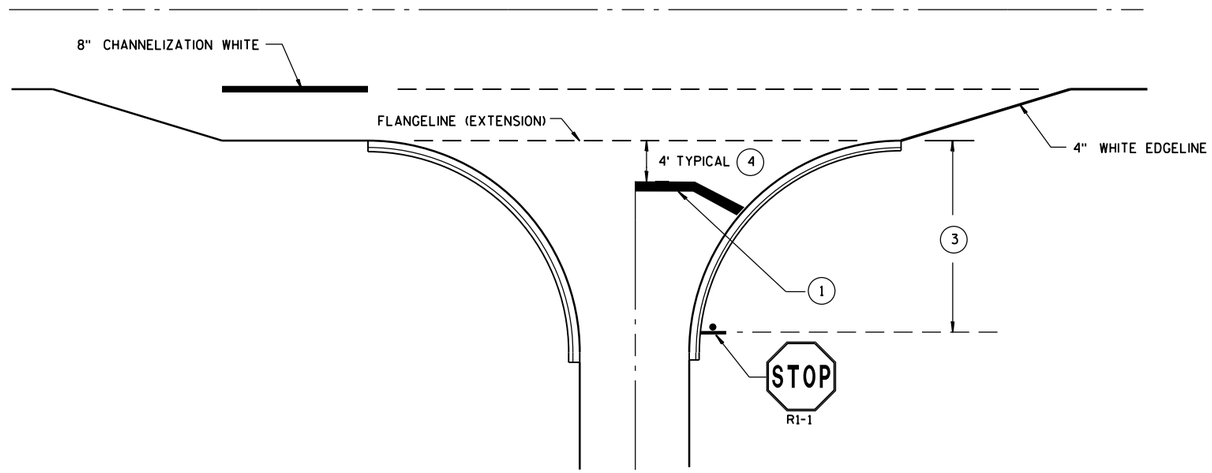
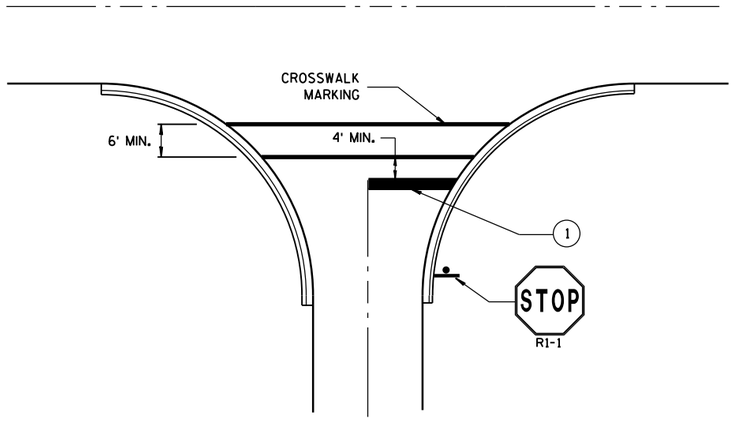


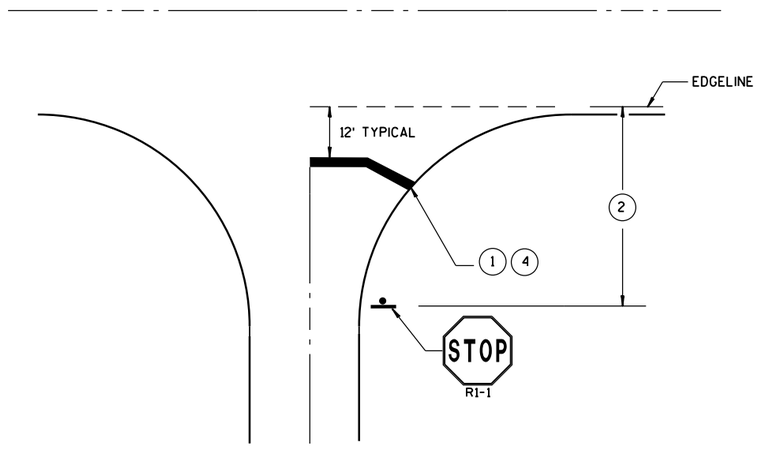
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

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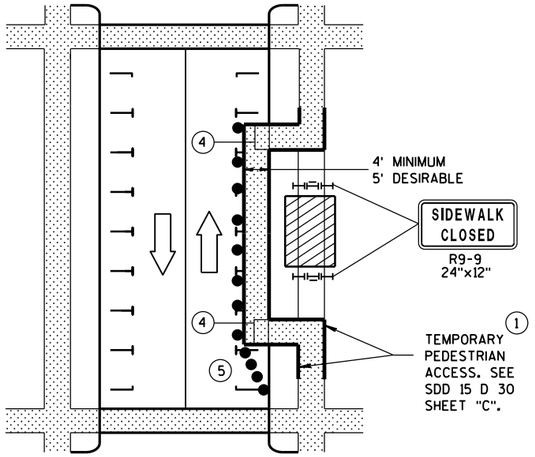
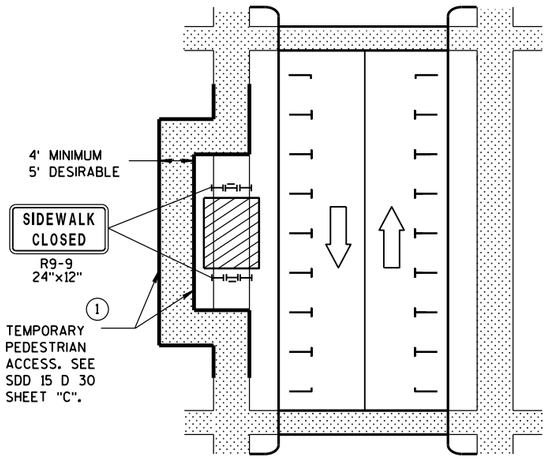
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

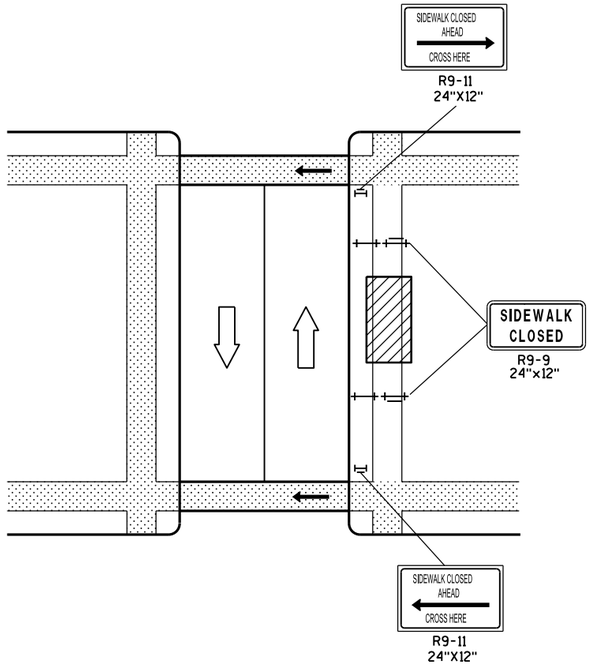


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

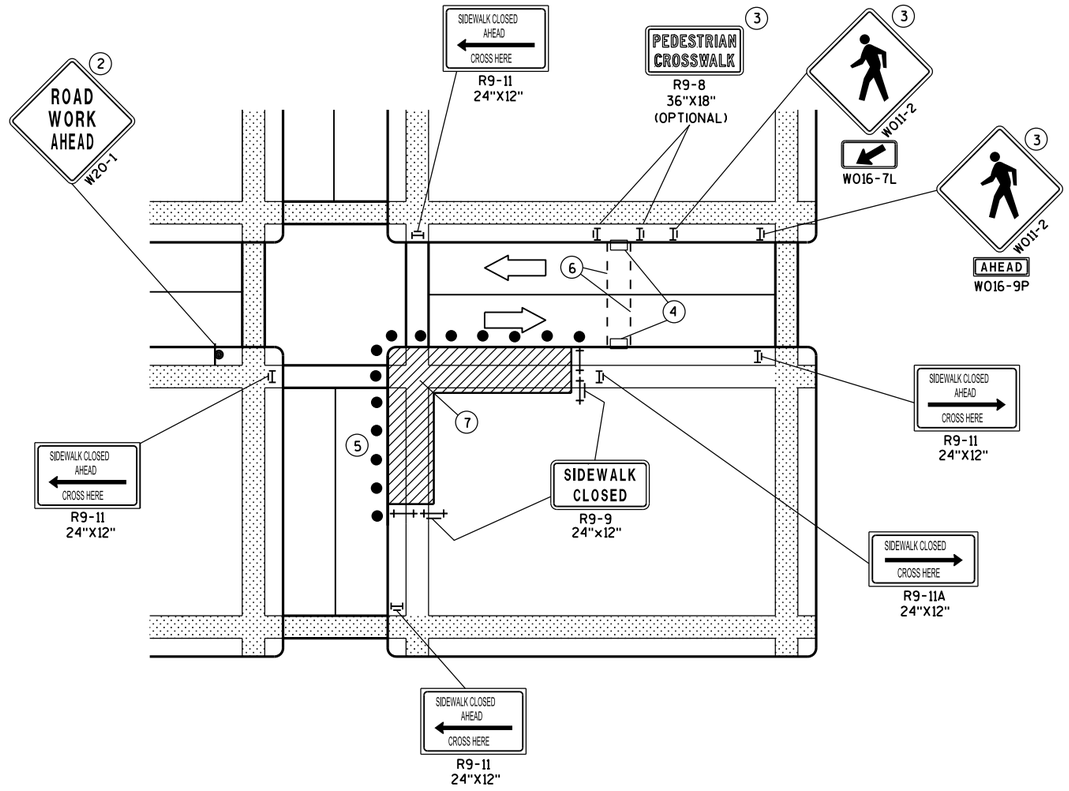
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

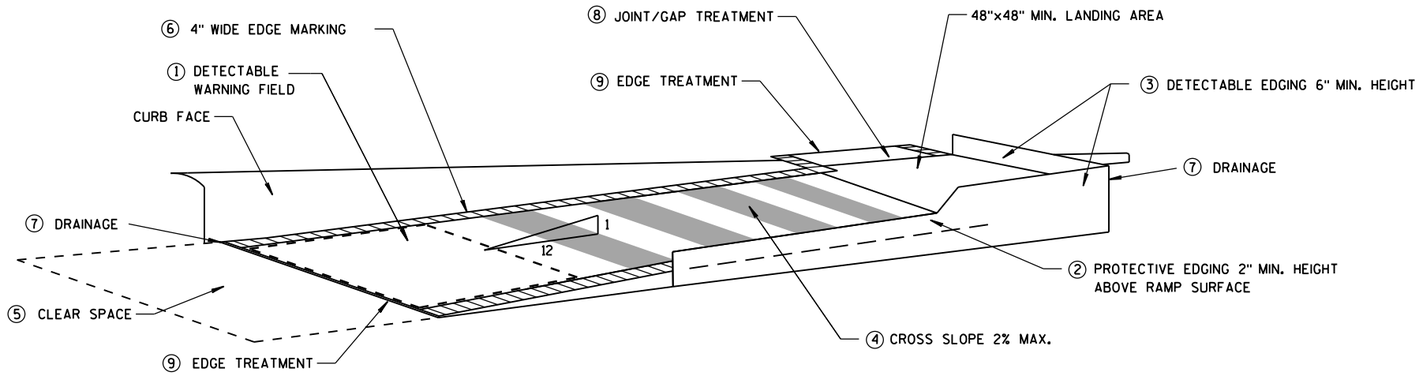
LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

S.D.D. 15 D 30-3a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

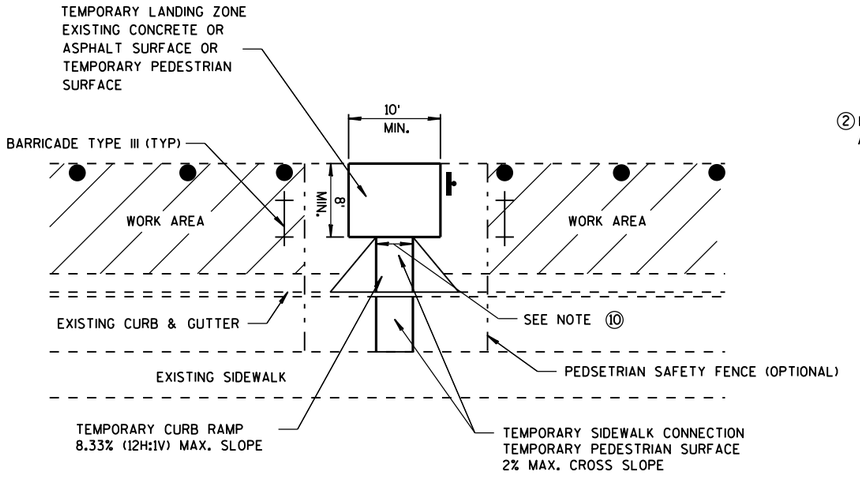
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

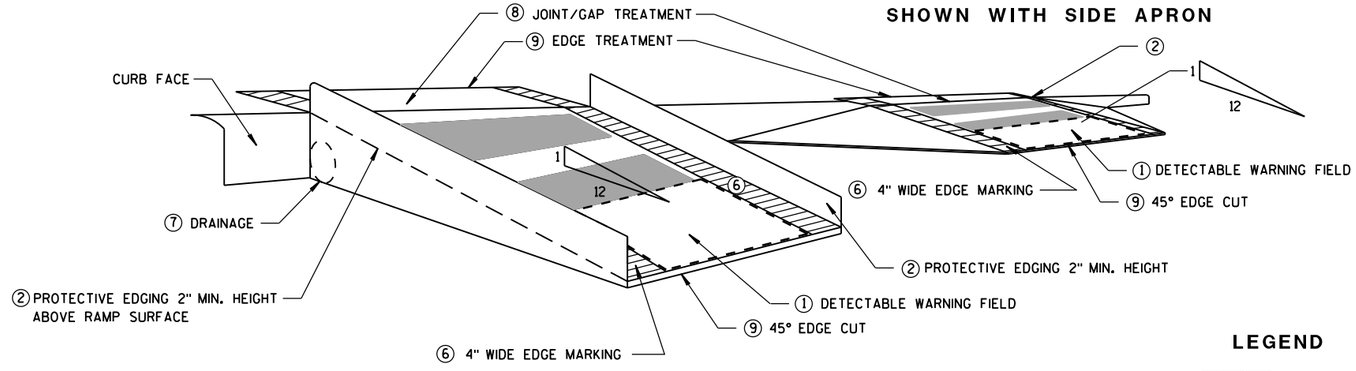
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI IC

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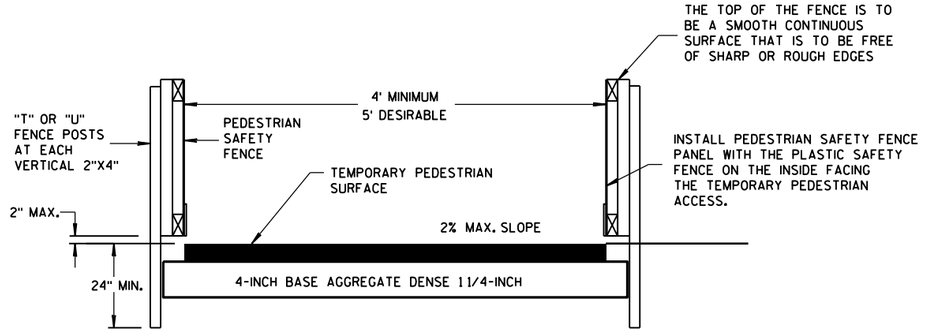
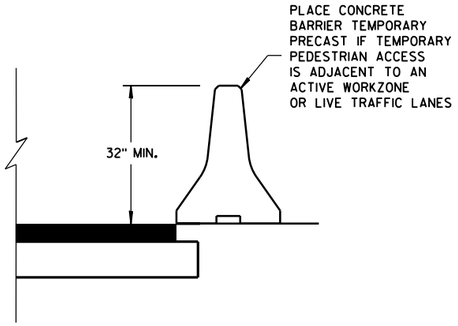
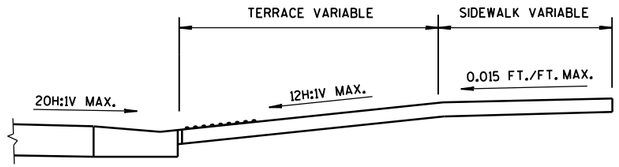




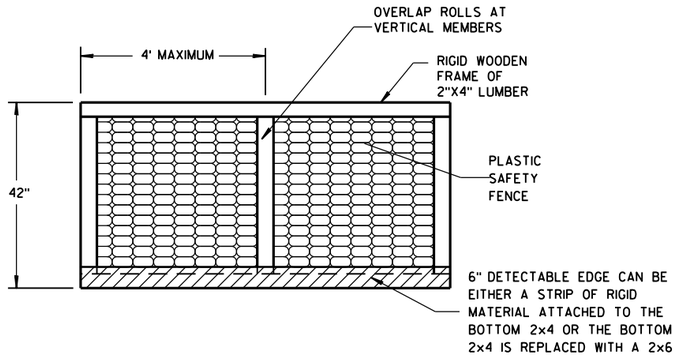
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

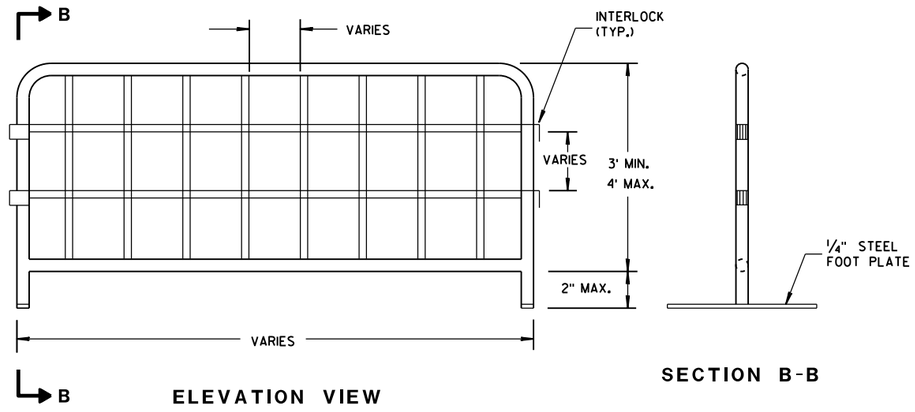
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



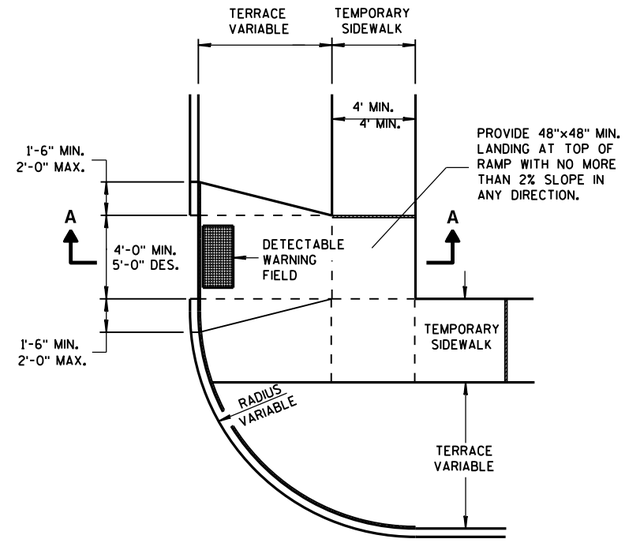
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

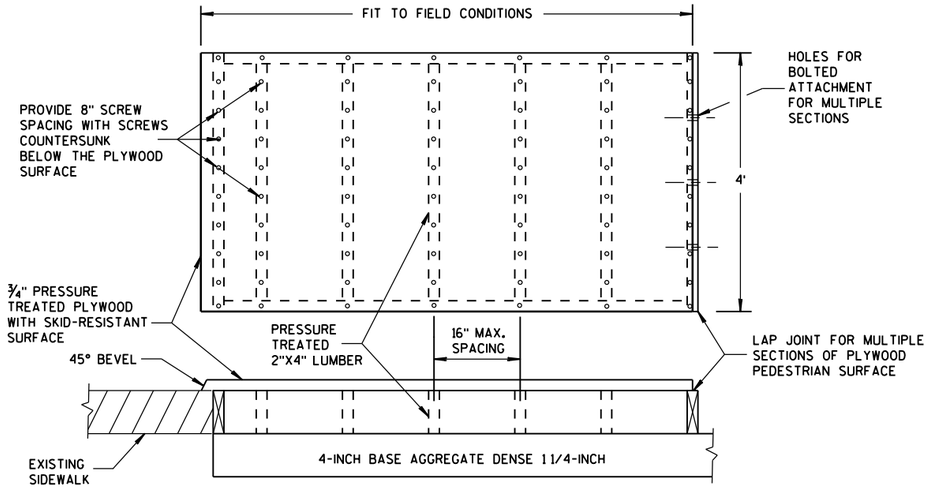
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



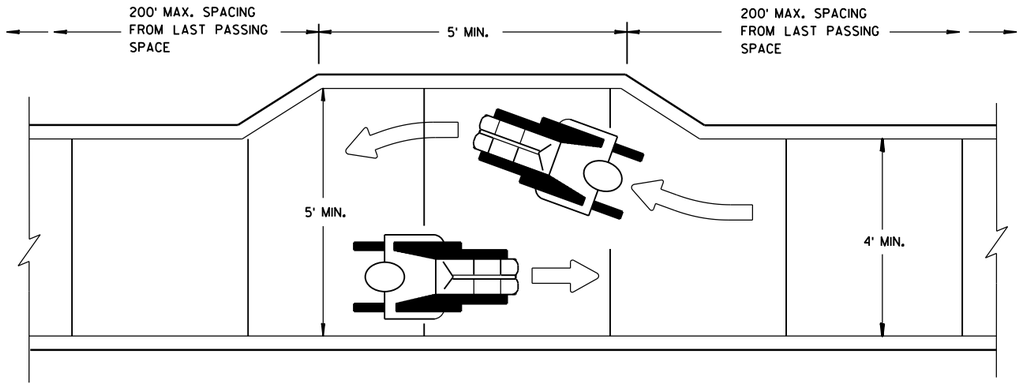
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
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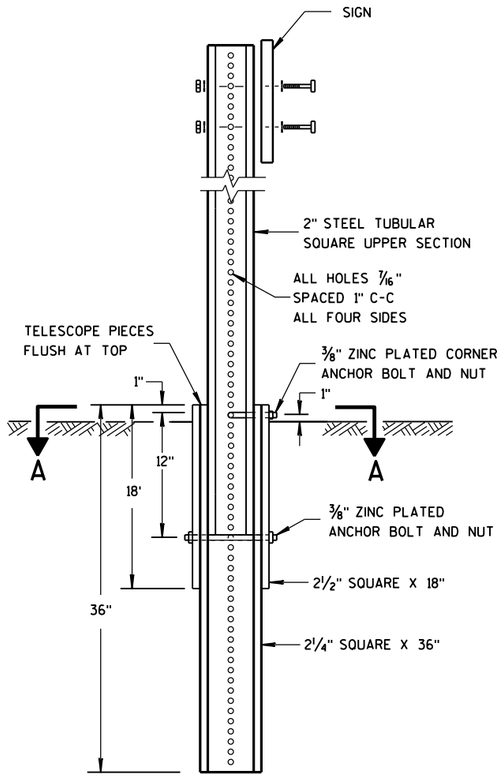
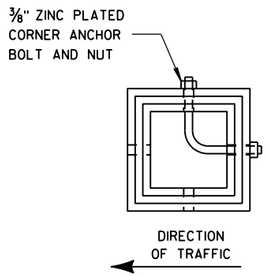
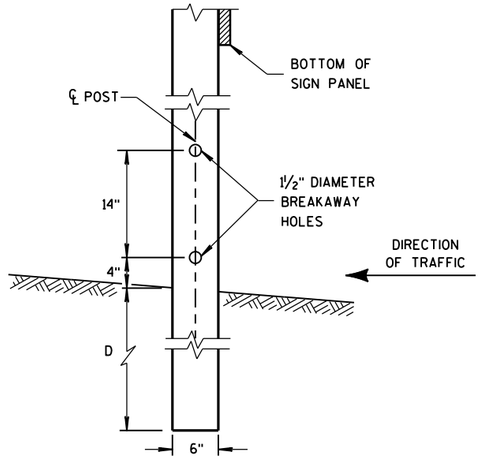


DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



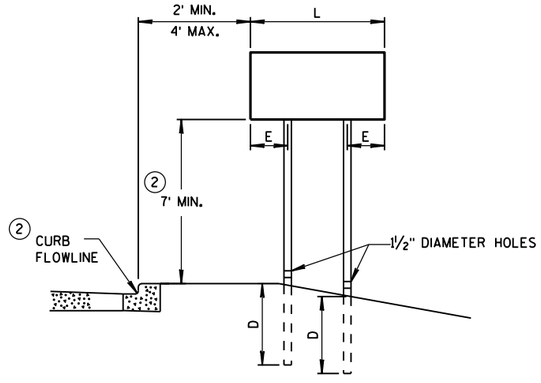
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

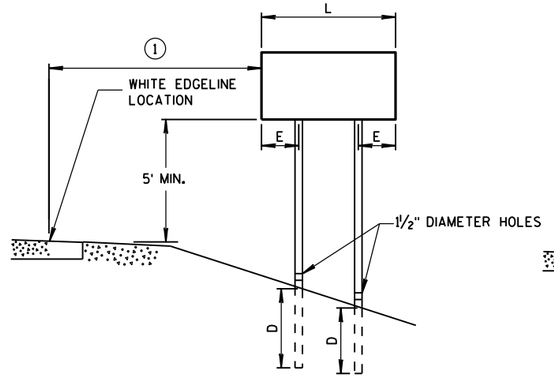
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

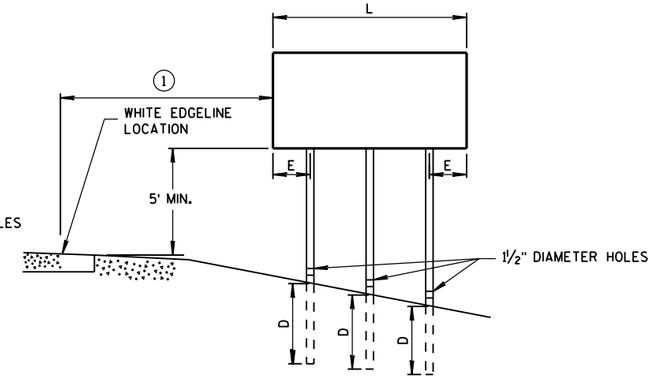
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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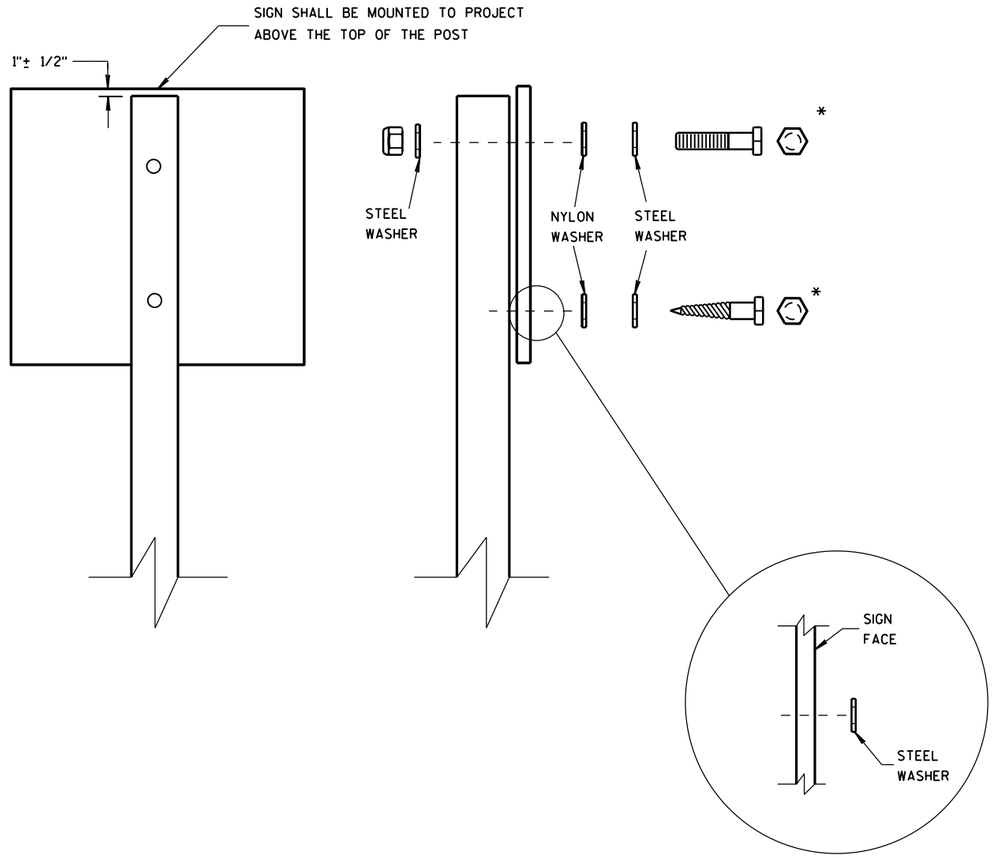
S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

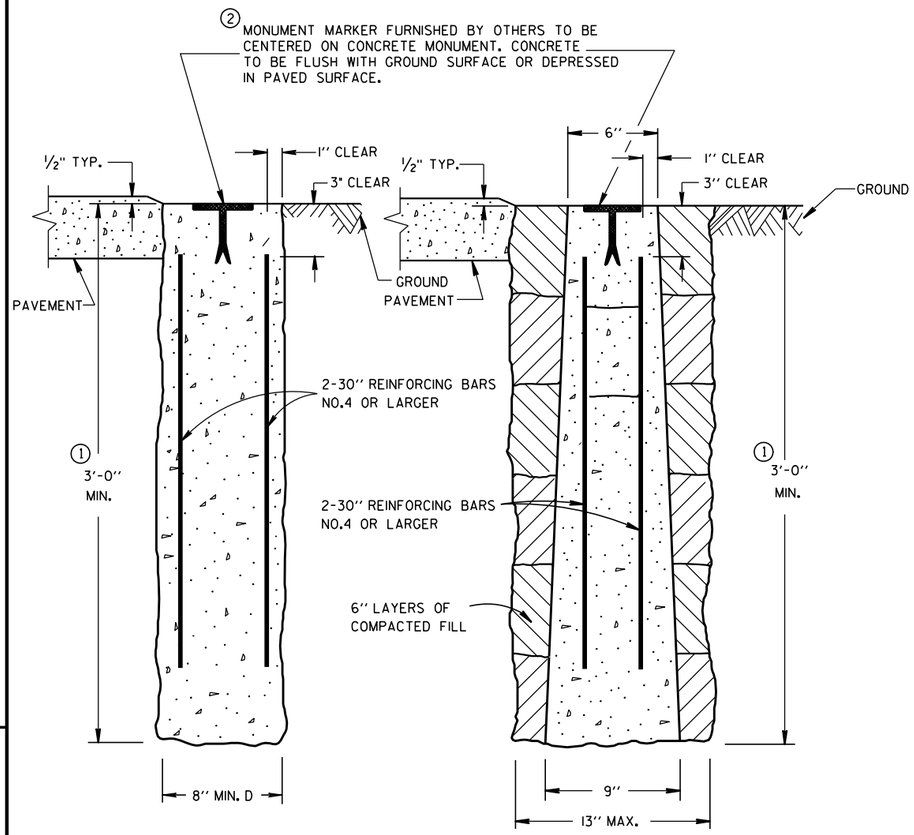
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

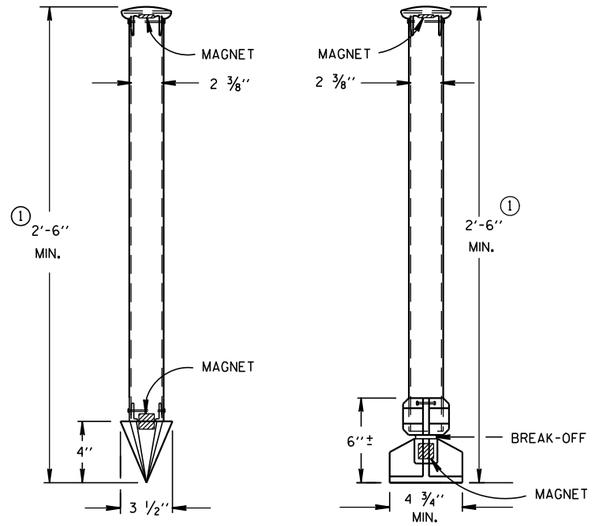
FHWA



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C DRIVE-IN MONUMENT

TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

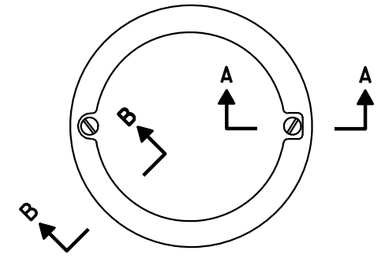
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

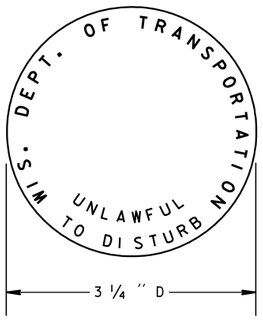
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

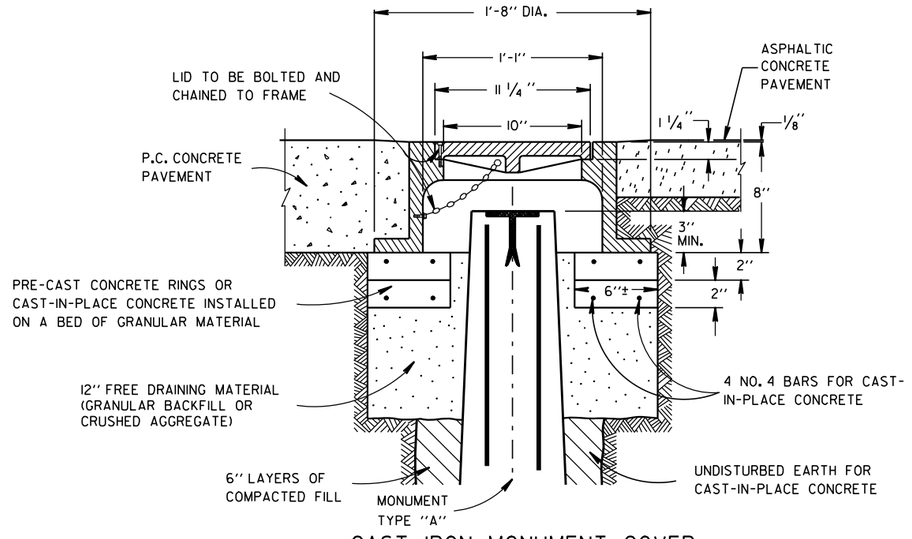
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

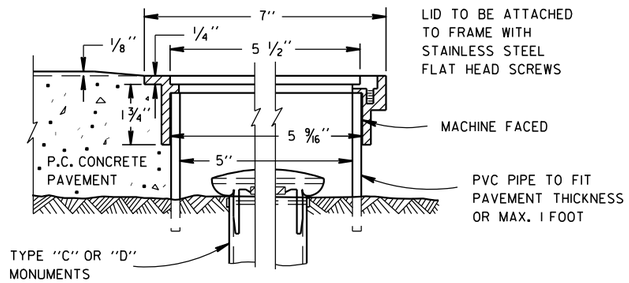


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/22/1999 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

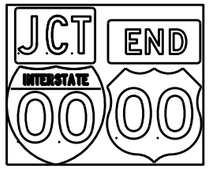
FHWA

6

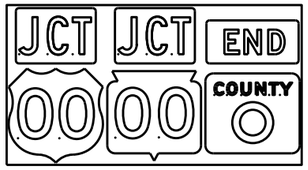
S.D.D. 16 A 1-6

TYPICAL ASSEMBLIES

J1-1

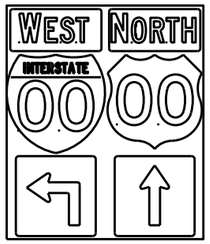


J1-2

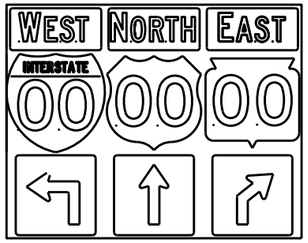


J1-3

J2-1



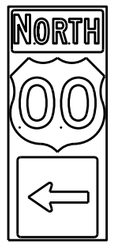
J2-2



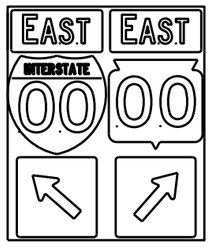
J2-3

JV

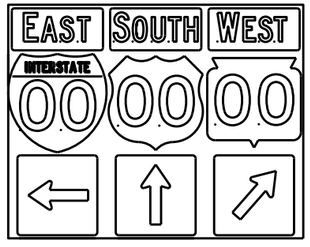
(Typical Vertical J-Assembly
See Note 10 and 11)



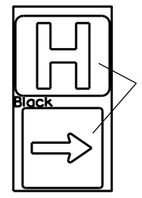
J3-1



J3-2



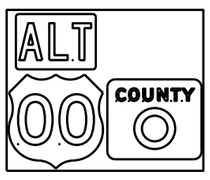
J3-3



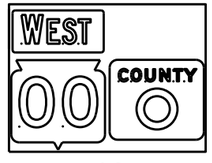
Blue Background

JH-1

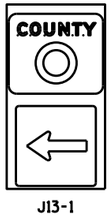
J4-1



J4-2



J4-2



J13-1

J12-1

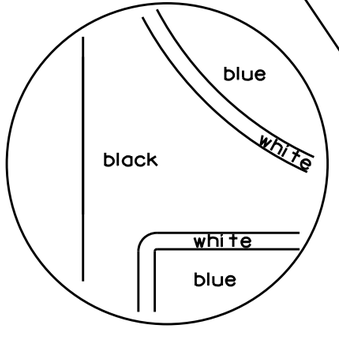
J32-1

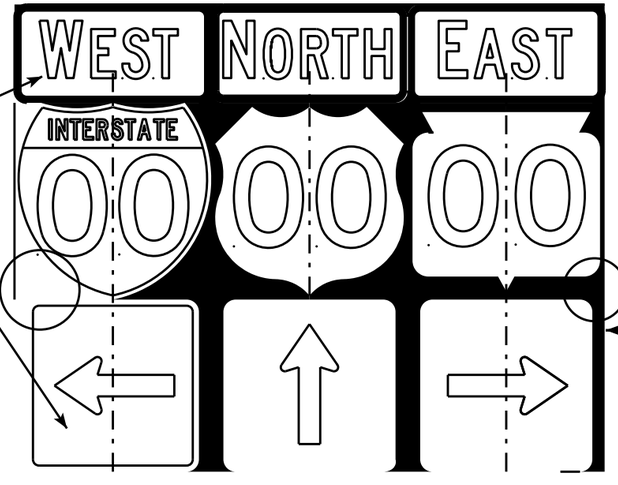
J33-1

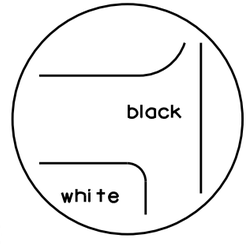
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

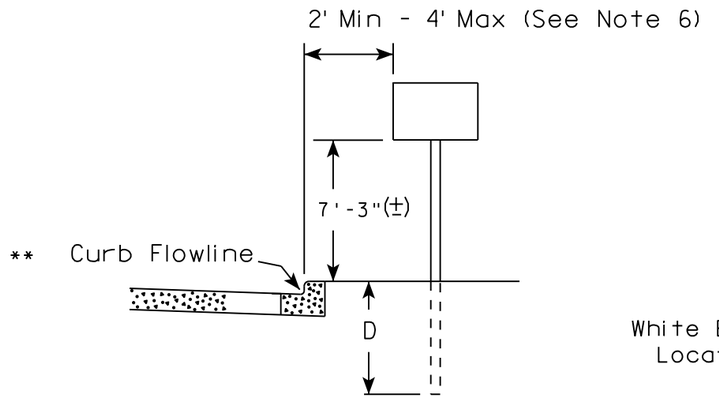
APPROVED Matthew R Rauch
for State Traffic Engineer

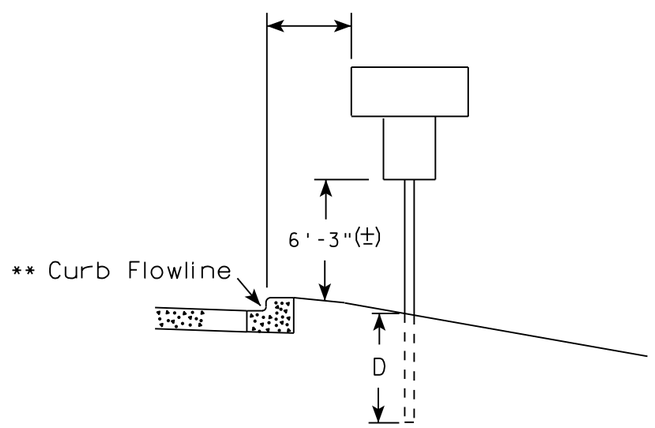
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

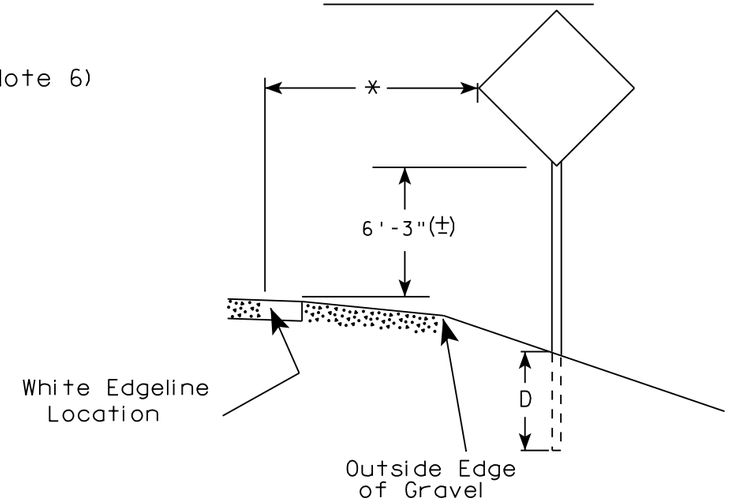
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

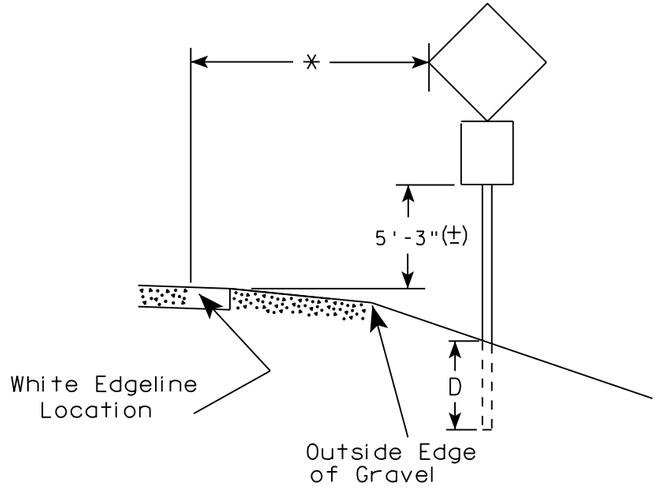
URBAN AREA





RURAL AREA (See Note 2)





GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

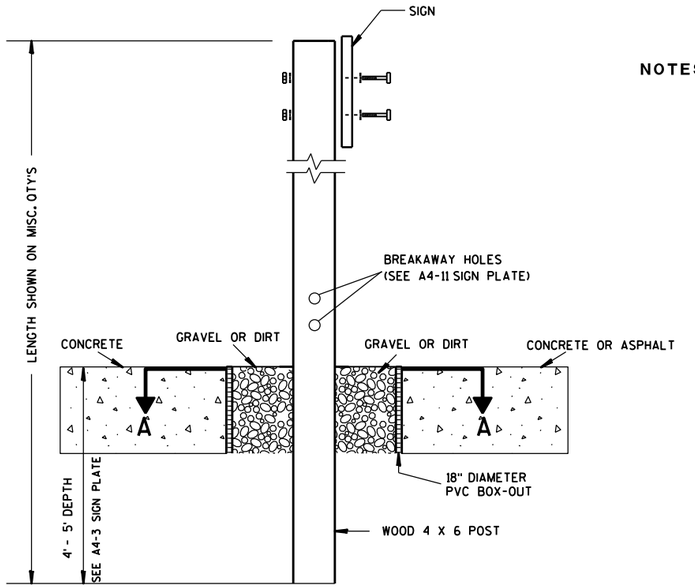
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

7

7

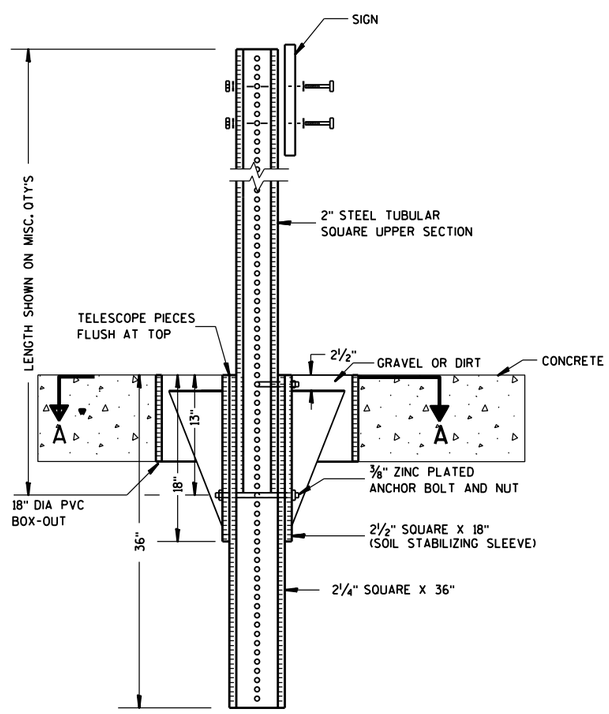
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 136	E



ELEVATION VIEW

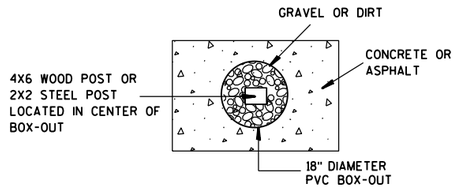
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

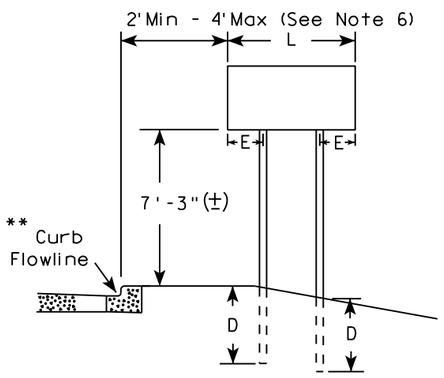
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

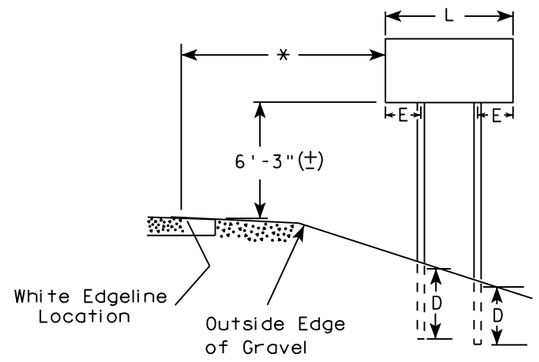
DATE 1/27/14 PLATE NO. A4-3B.1

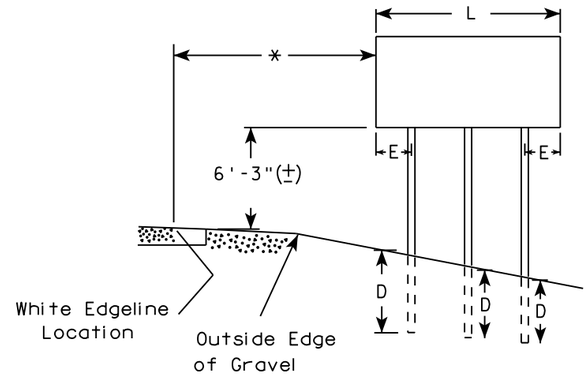
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

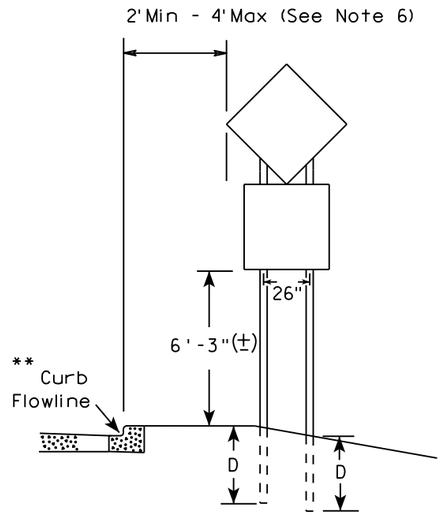
URBAN AREA



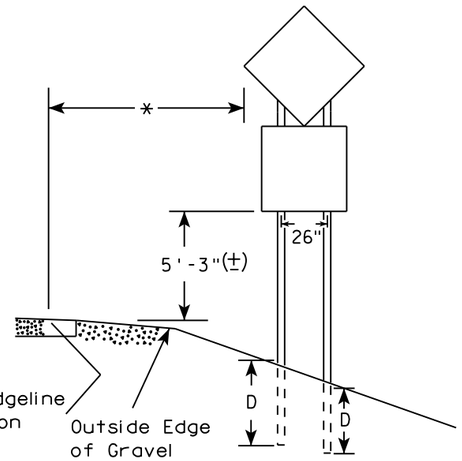
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

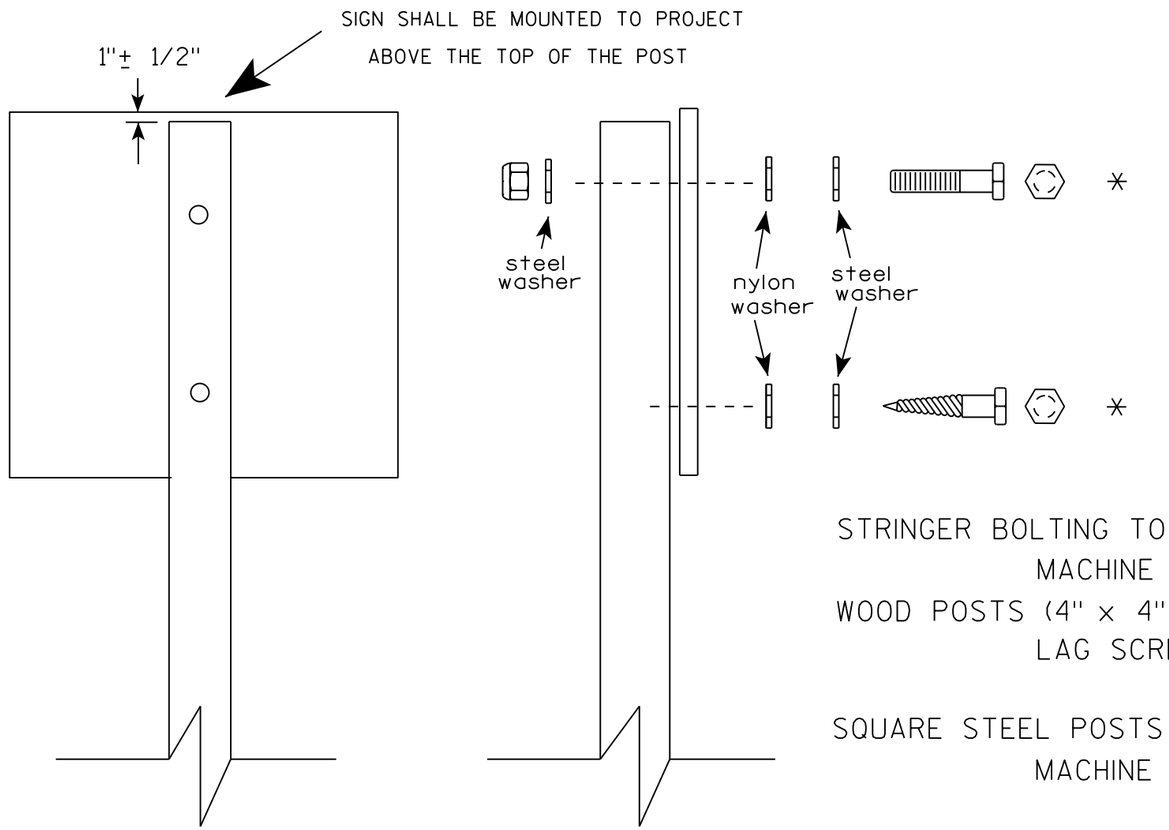
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 138	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

7

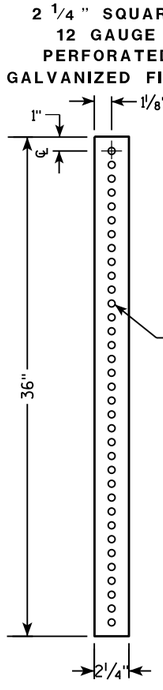
PROJECT NO:

SHEET NO: E

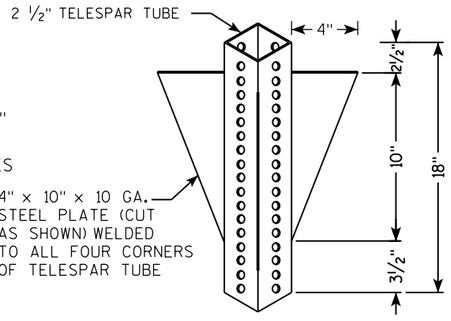
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

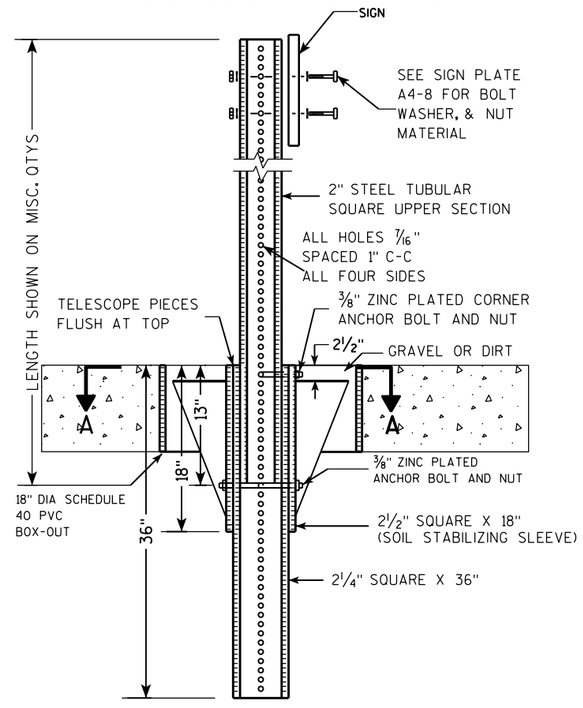
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



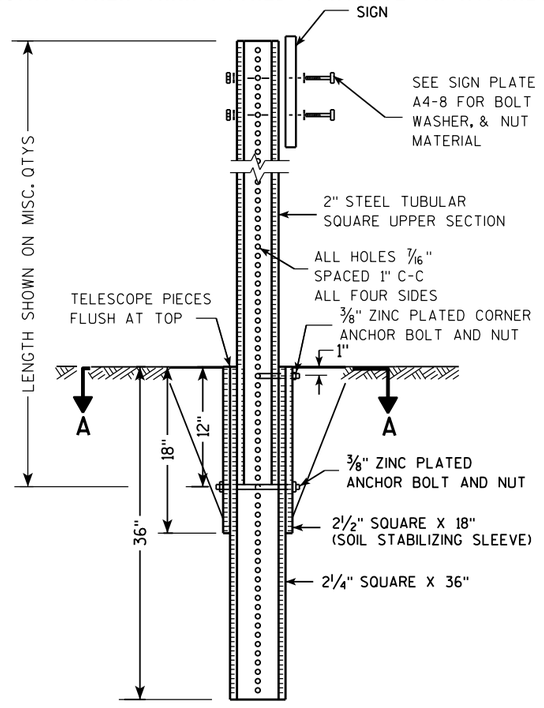
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

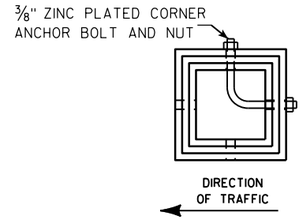


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

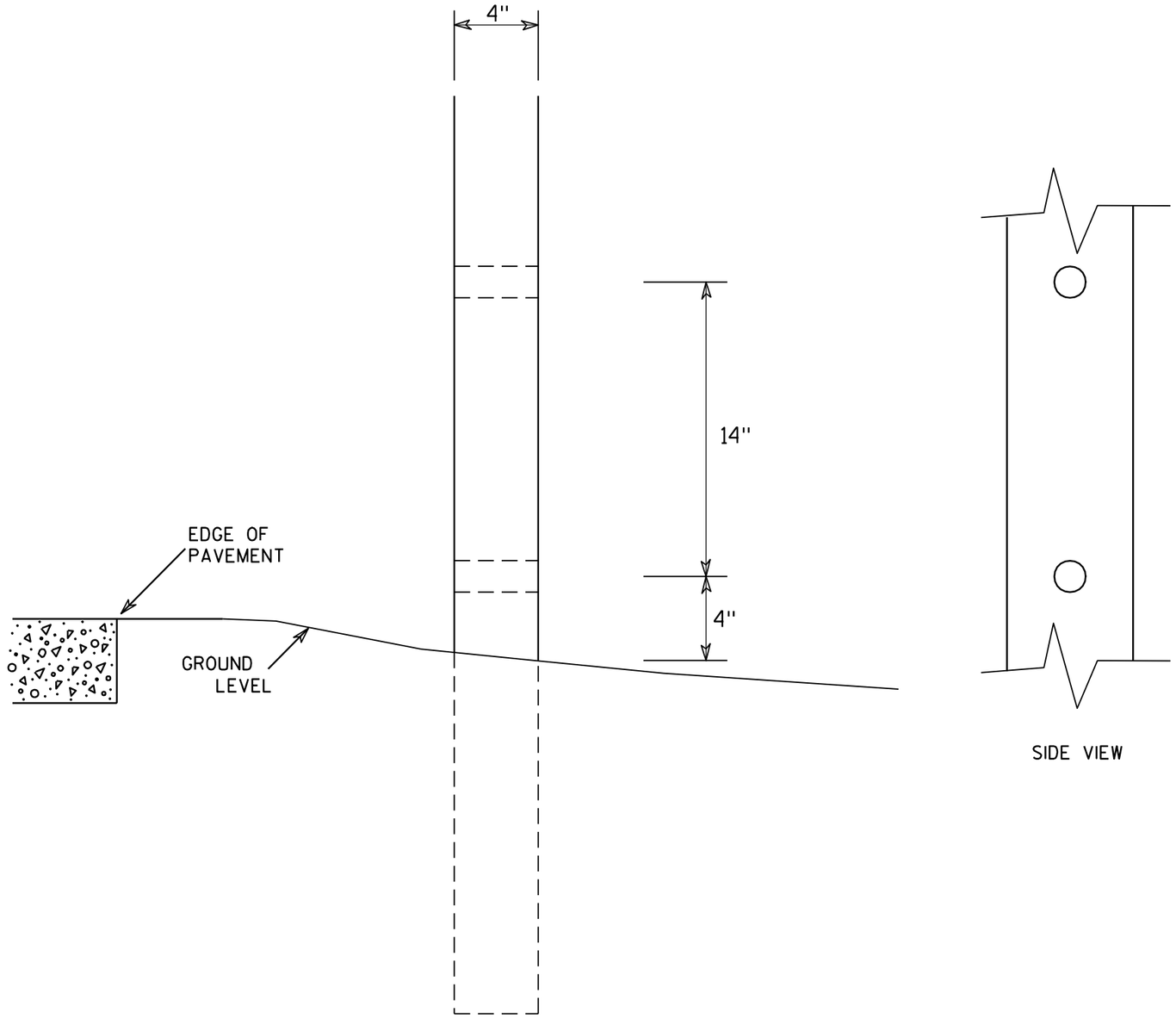
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

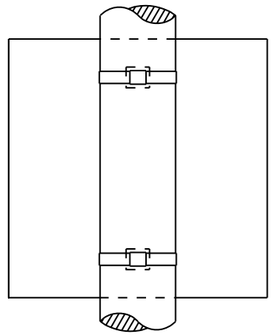
APPROVED Chester J Spang for State Traffic Engineer

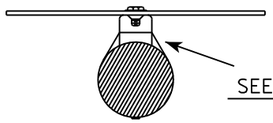
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 141	E

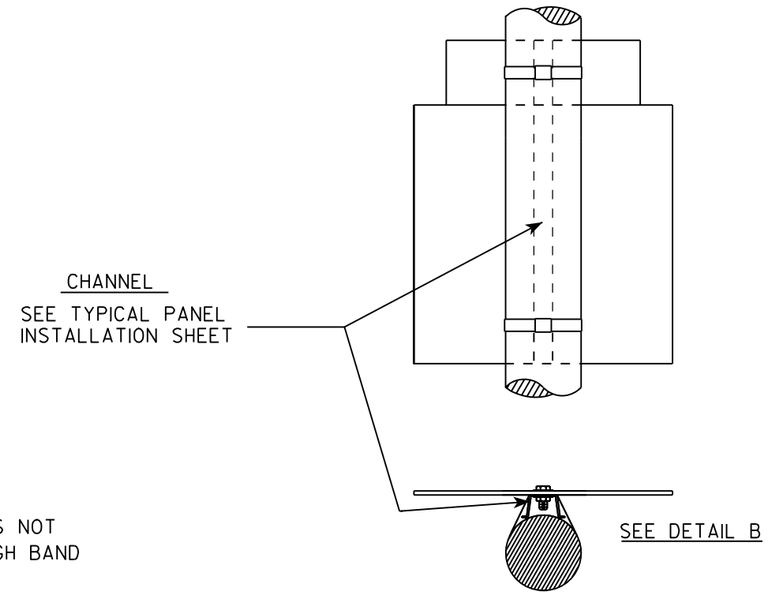
BANDING

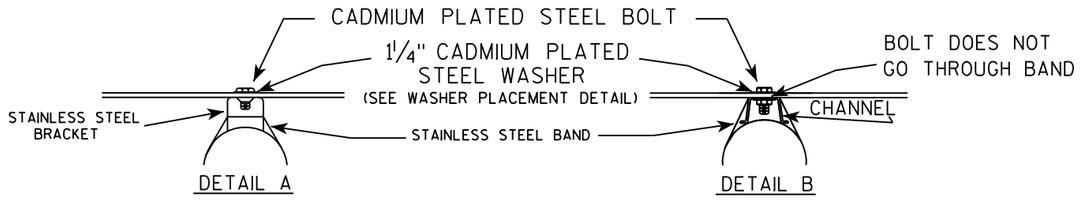
SINGLE SIGN



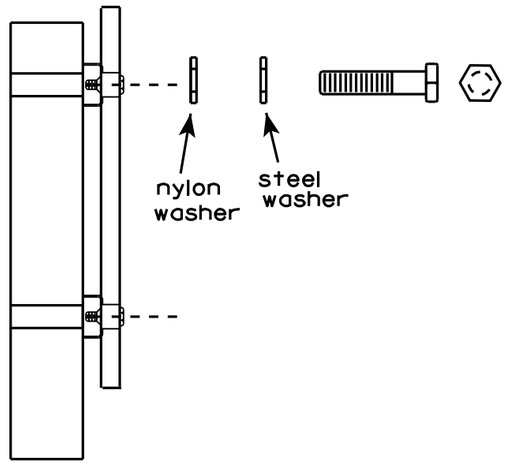


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

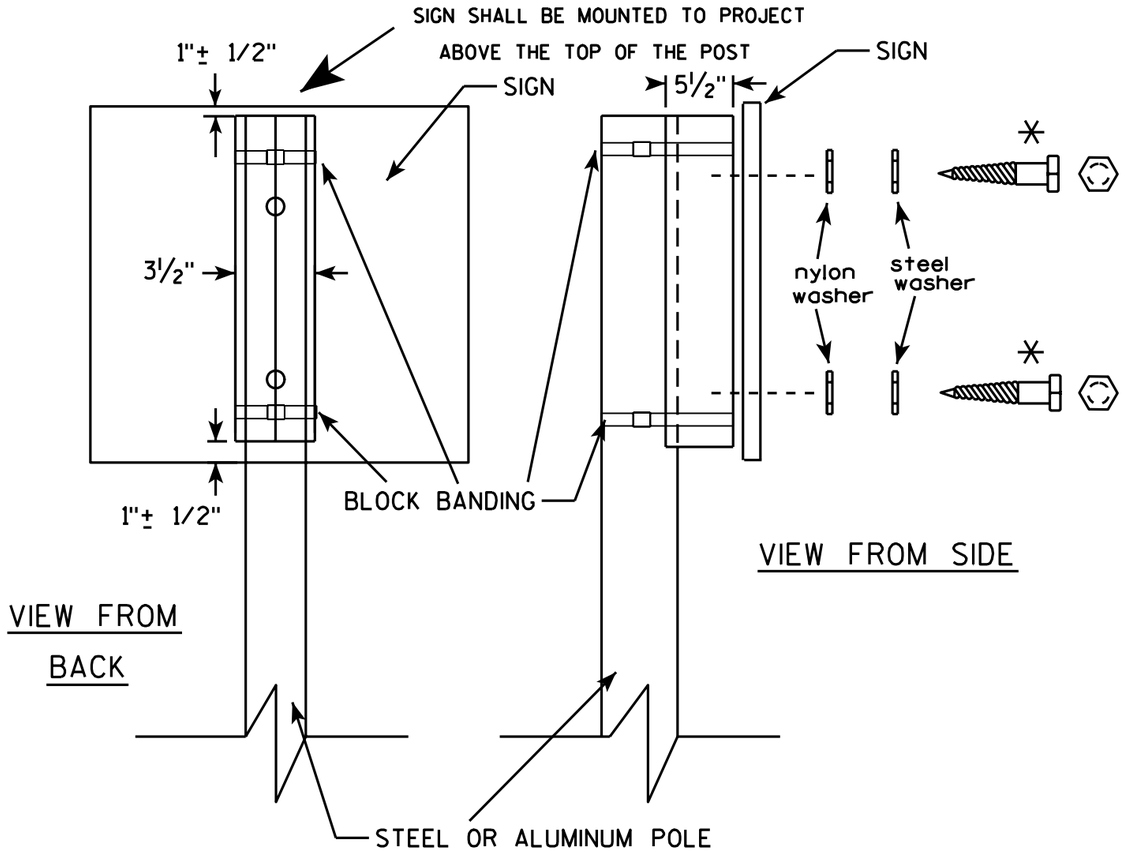
STANDARD SIGN
SIGN BANDING DETAILS

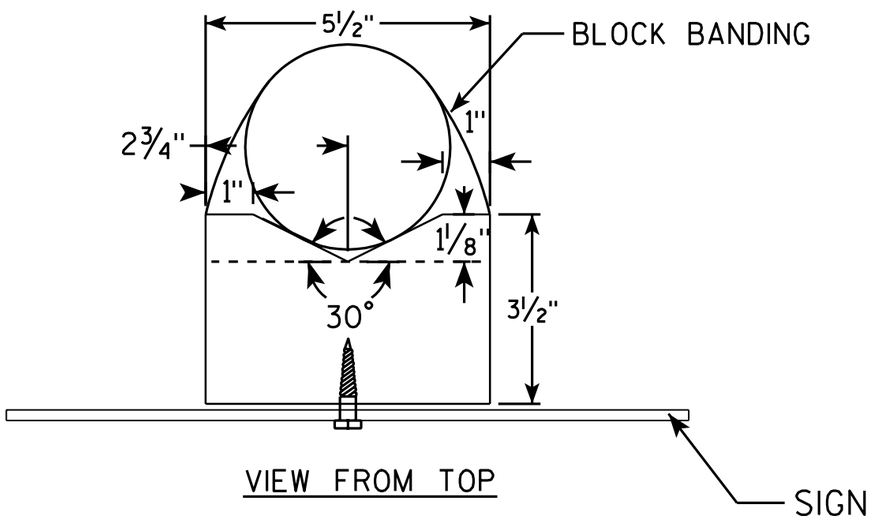
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 142	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

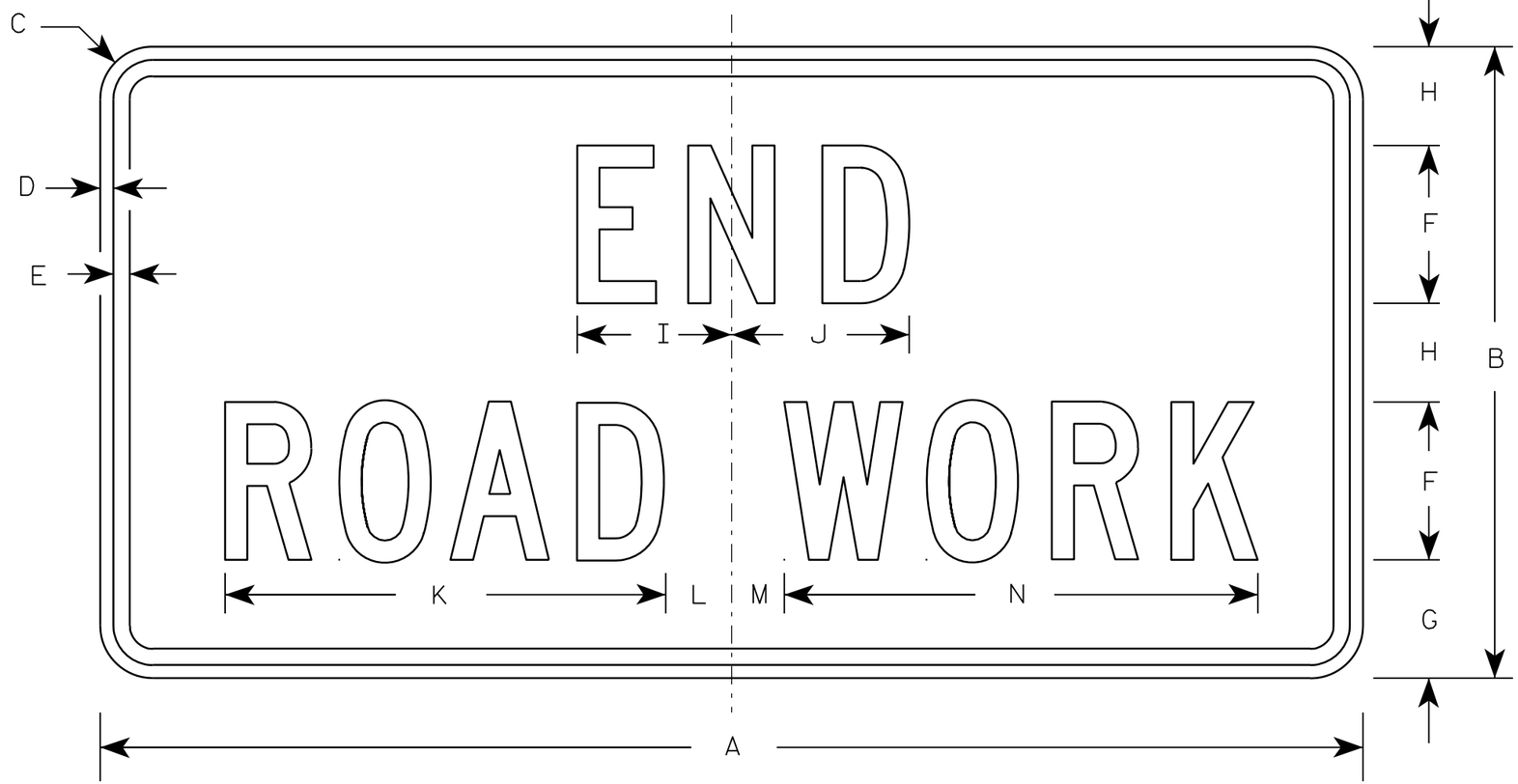
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 143 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

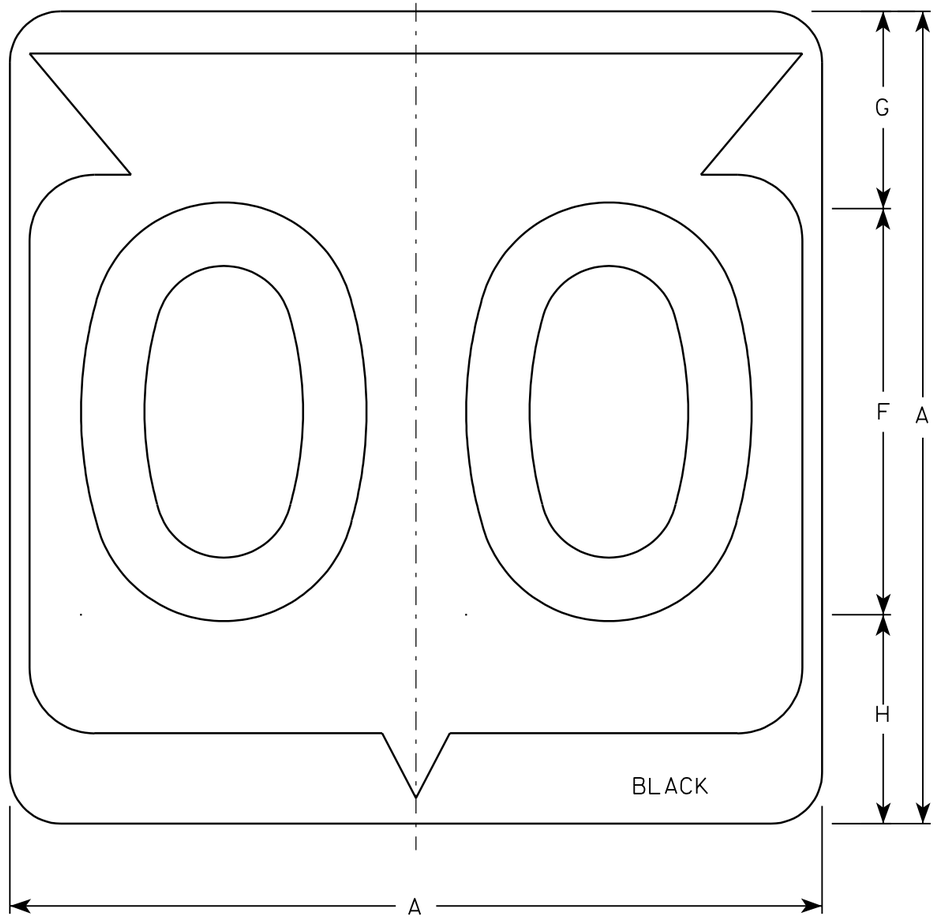
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

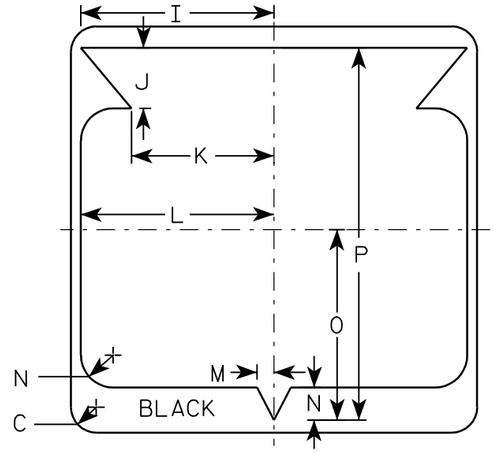
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 144	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

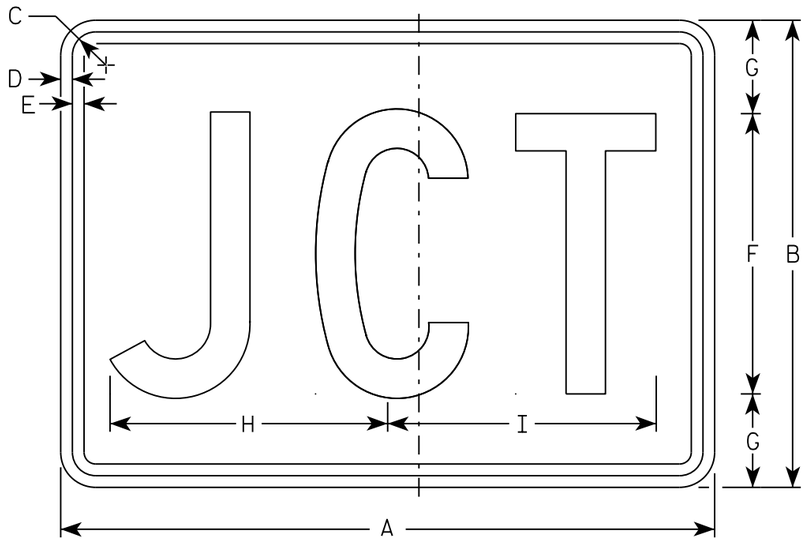
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

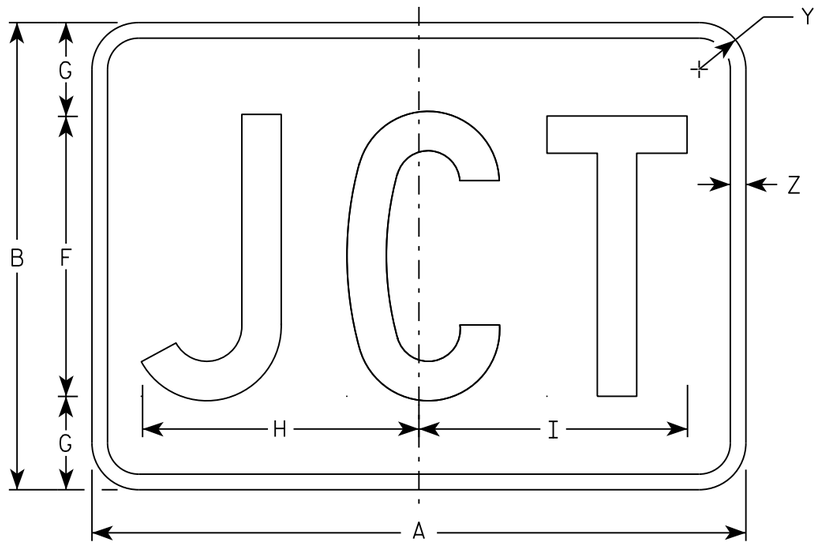
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 145	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

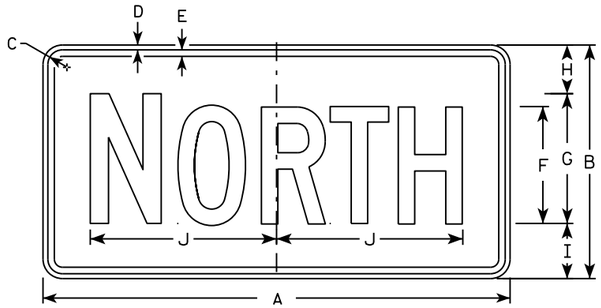
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

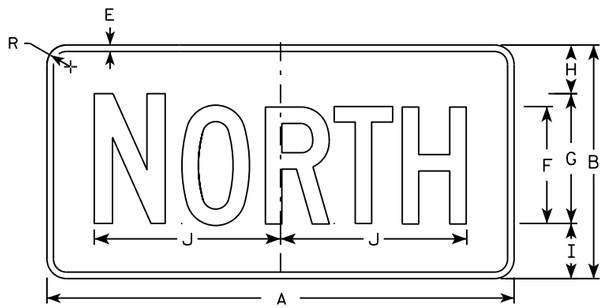
DATE 10/15/15 PLATE 146 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



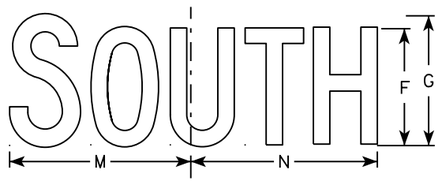
M3-1
MM3-1
MP3-1



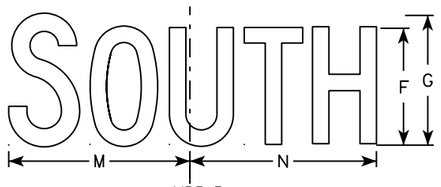
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

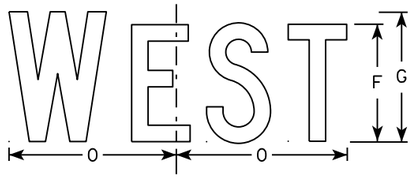
MB3-2
MK3-2
MN3-2



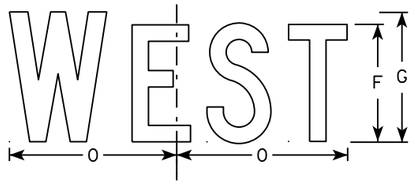
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

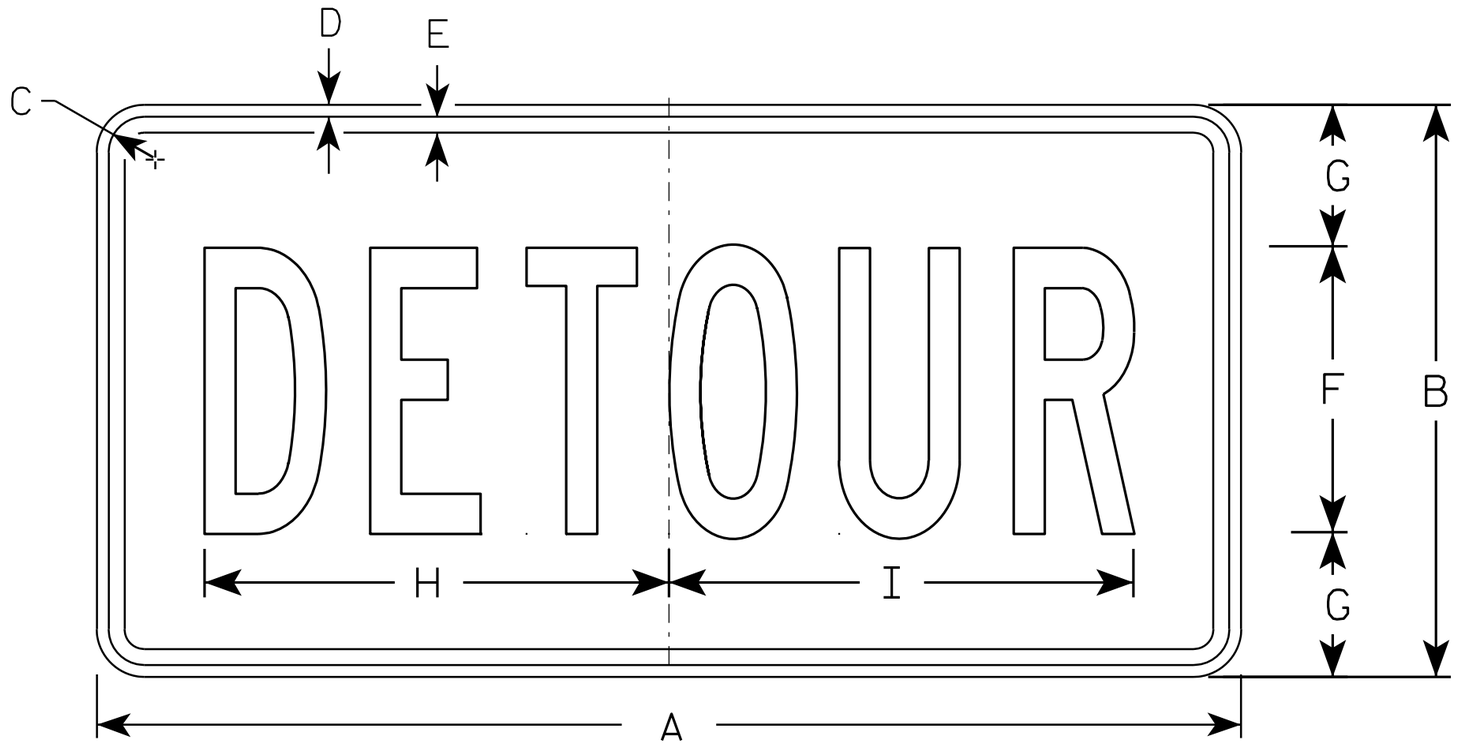
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

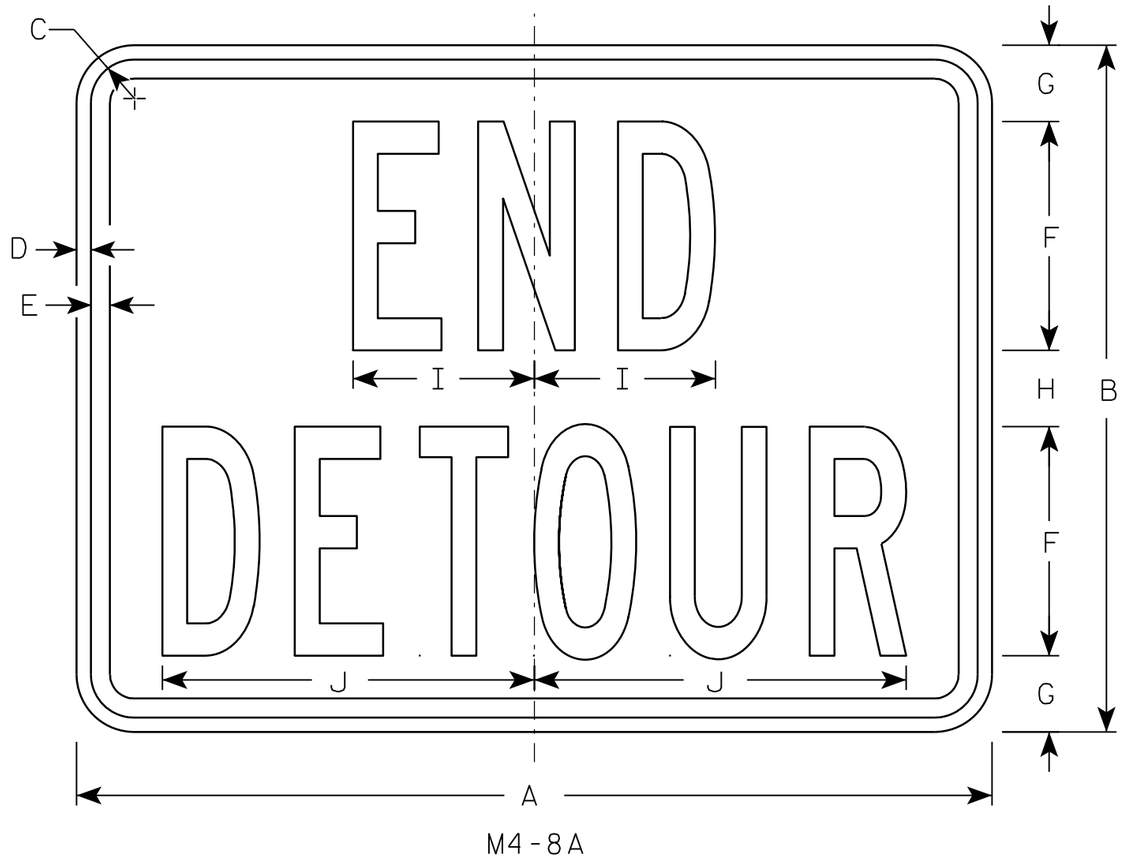
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 148	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

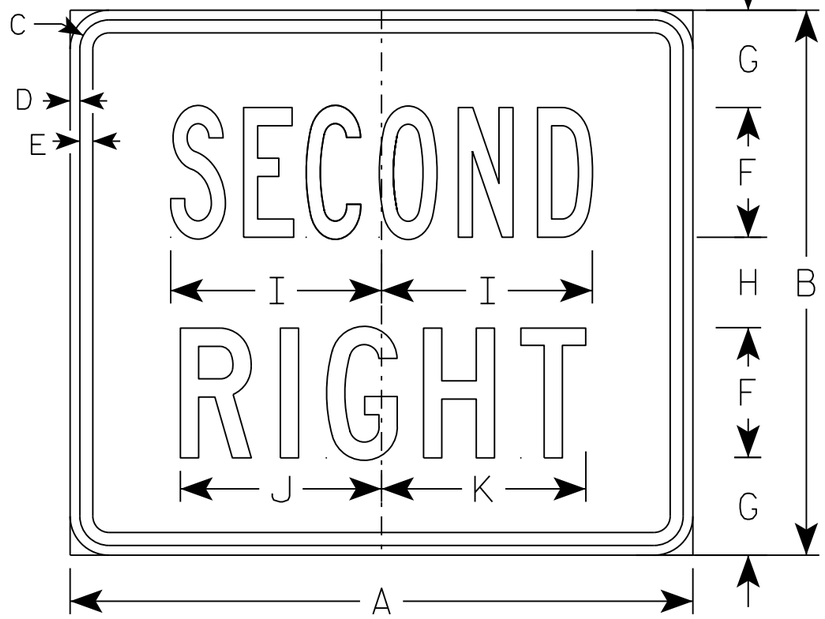
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

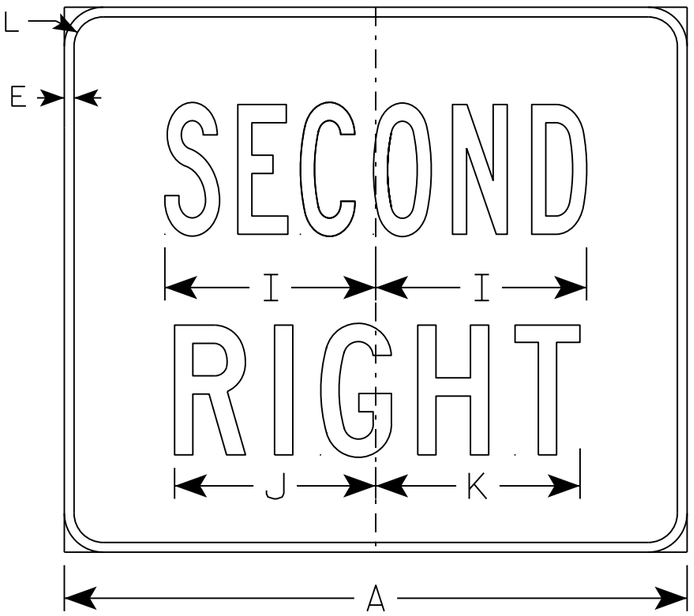
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

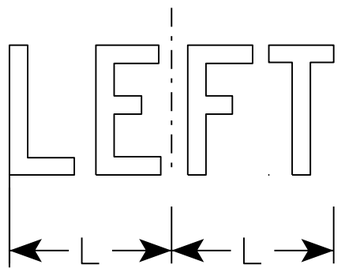
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 149	E



M4-22R
MM4-22R
M04-22R
MP4-22R



MB4-22R
MK4-22R
MN4-22R
MR4-22R



M4-22L
MB4-22L
MK4-22L
MM4-22L
MN4-22L
M04-22L
MP4-22L
MR4-22L

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-22 Background - White
   Message - Black
   MB4-22 Background - Blue
   Message - White
   MK4-22 Background - Green
   Message - White
   MM4-22 Background - White
   Message - Green
   MN4-22 Background - Brown
   Message - White
   M04-22 Background - Orange - Type F Reflective
   Message - Black
   MP4-22 Background - White
   Message - Blue
   MR4-22 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	21	1 1/8	3/8	1/2	5	3 3/4	3 1/2	8 1/8	7 3/4	7 7/8	1 1/2															3.5
3	36	30	1 5/8	5/8	3/4	8	4 3/4	4 1/2	13 1/8	12 5/8	12 1/2	1 7/8															7.5
4																											
5																											

STANDARD SIGN
M4-22

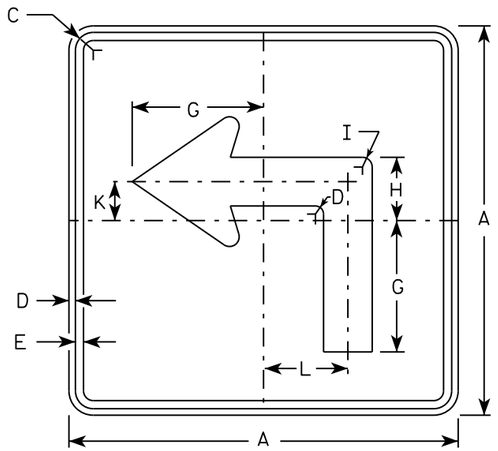
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

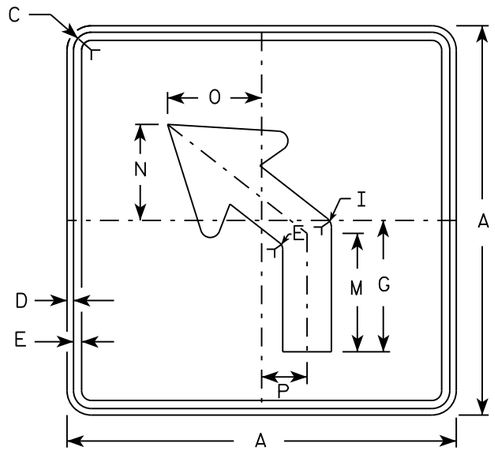
DATE 10/15/15 PLATE 14-22.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

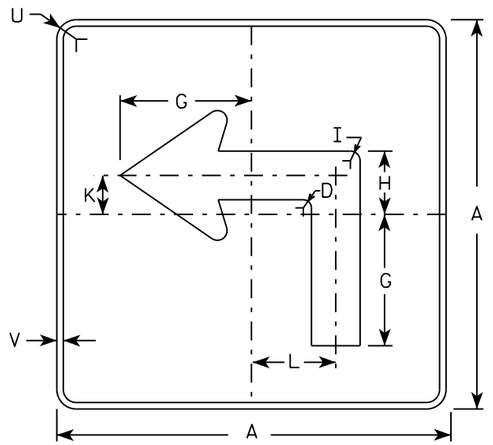
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M422.DGN PLOT DATE : 01-DEC-2015 18:04 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



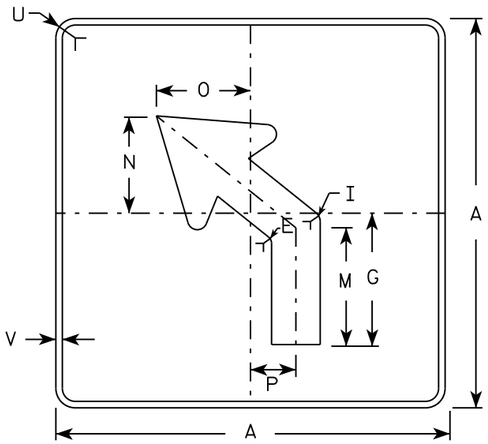
M5-1L
MM5-1L
MO5-1L
MP5-1L



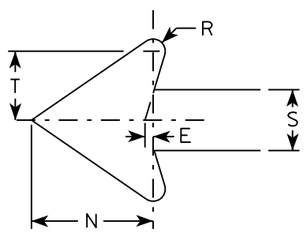
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

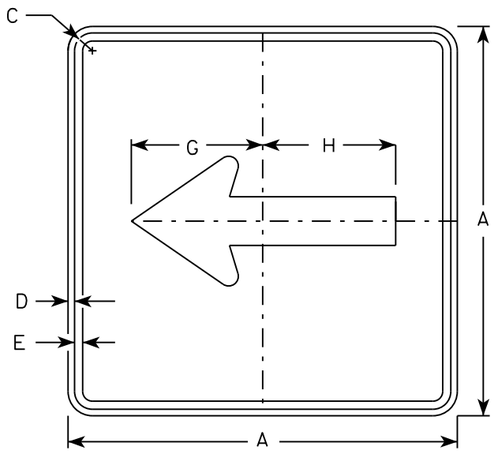
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

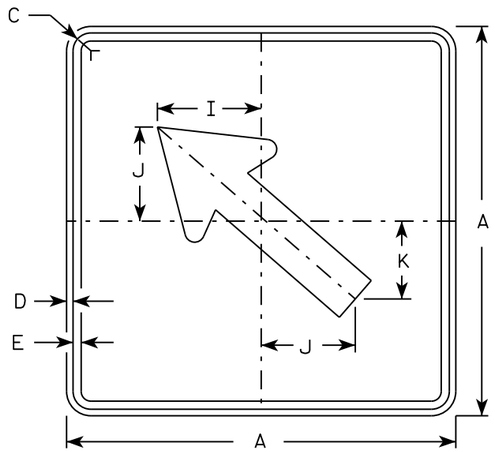
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



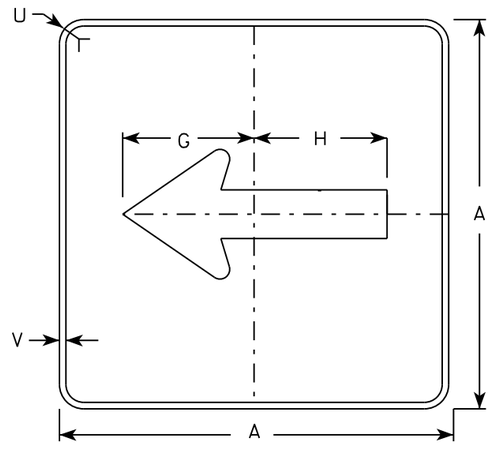
M6-1
MM6-1
MO6-1
MP6-1



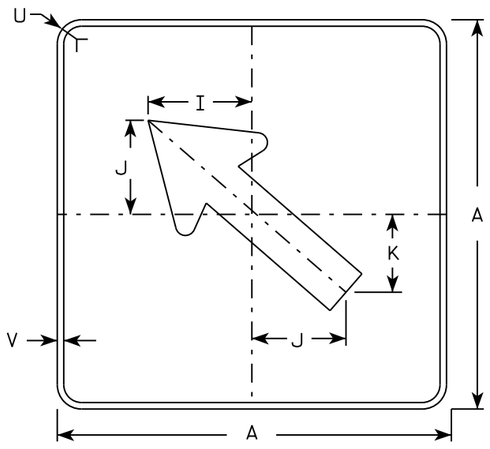
M6-2
MM6-2
MO6-2
MP6-2

NOTES

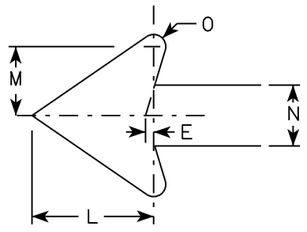
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

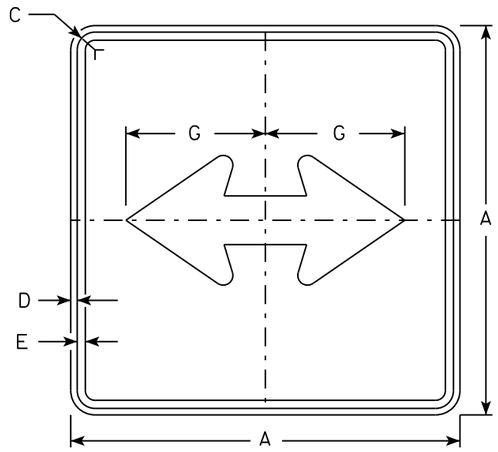
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

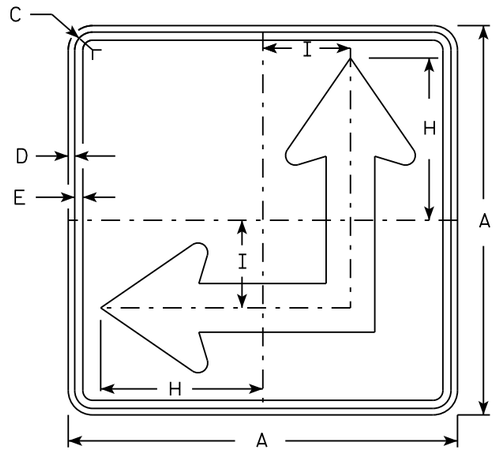
DATE 10/15/15 PLATE 152 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



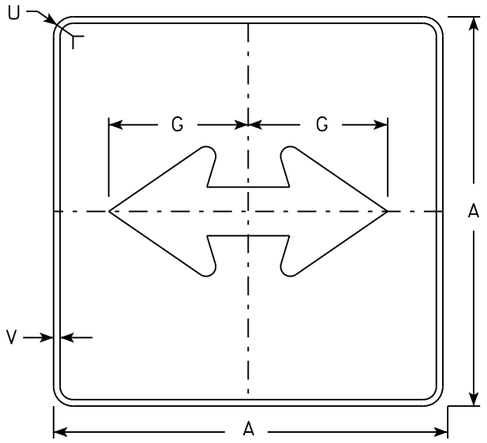
M6-4
MM6-4
MO6-4
MP6-4



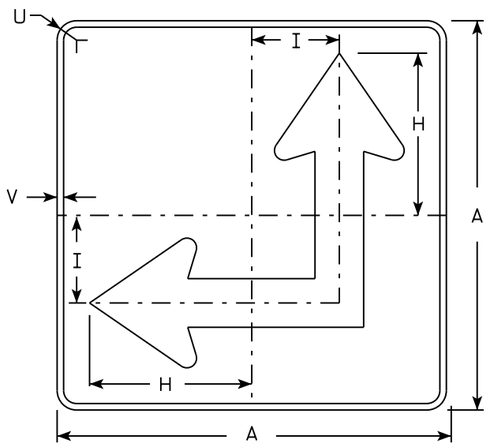
M6-6
MM6-6
MO6-6
MP6-6

NOTES

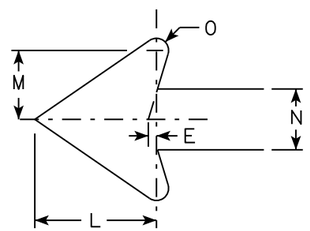
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

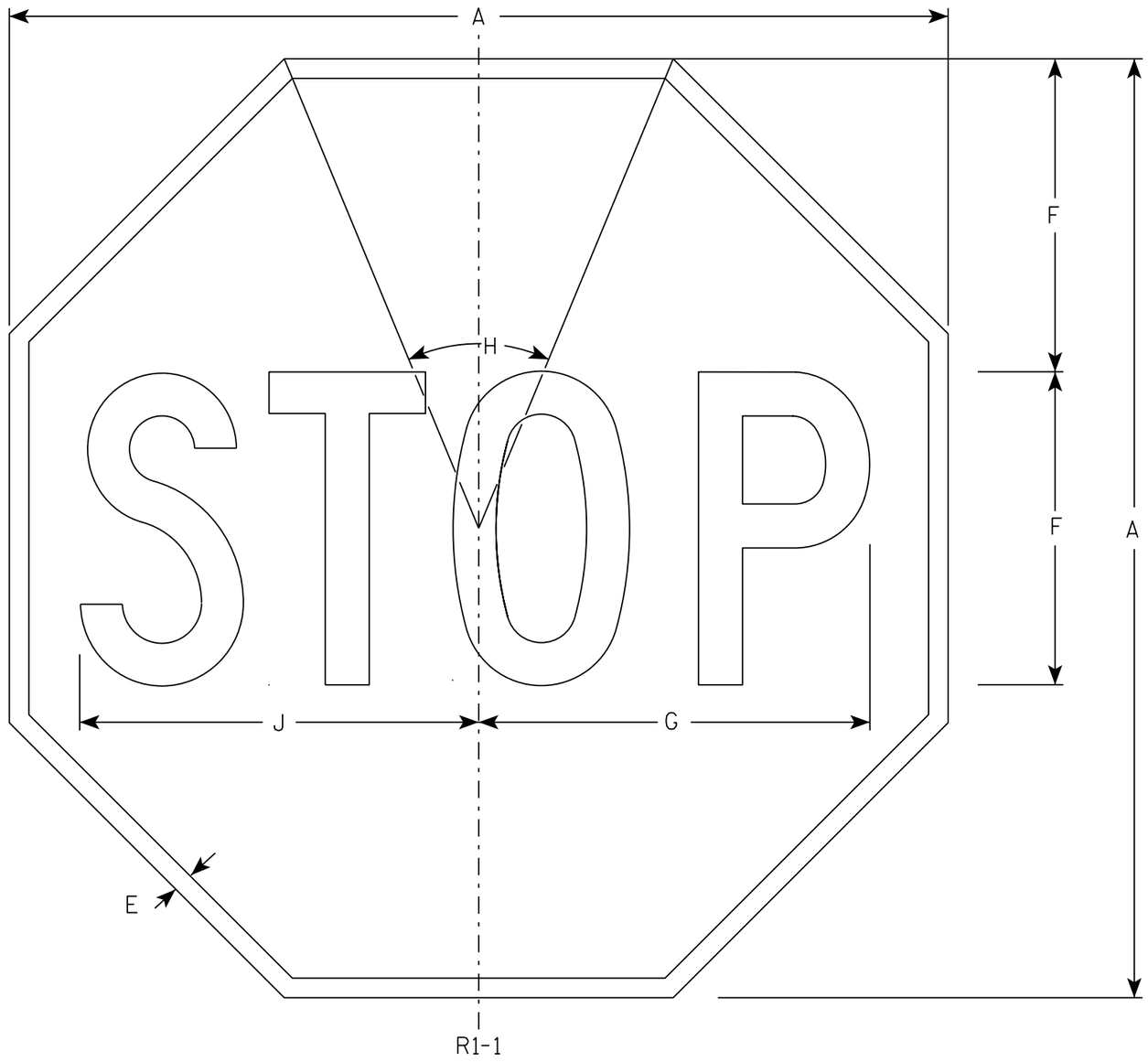
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 153 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

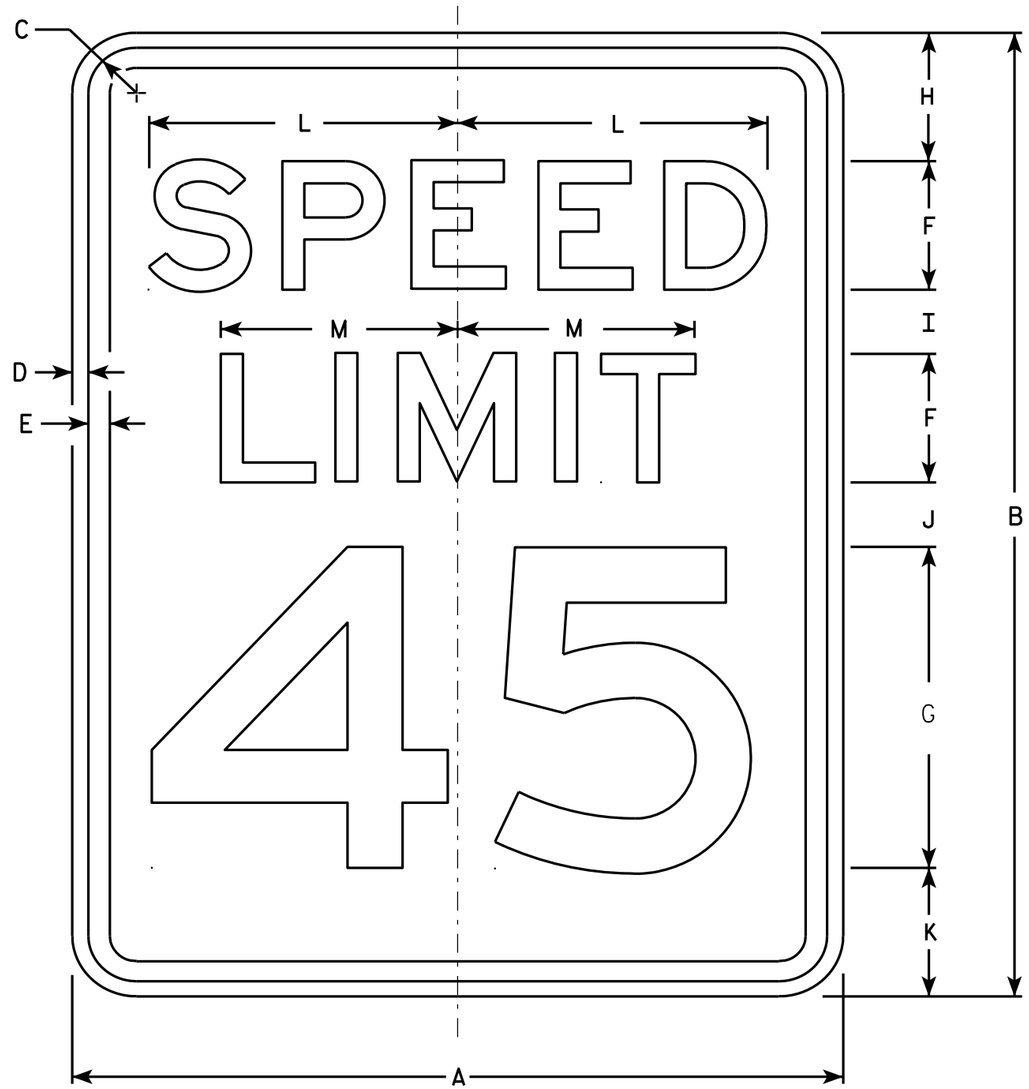
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 154	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

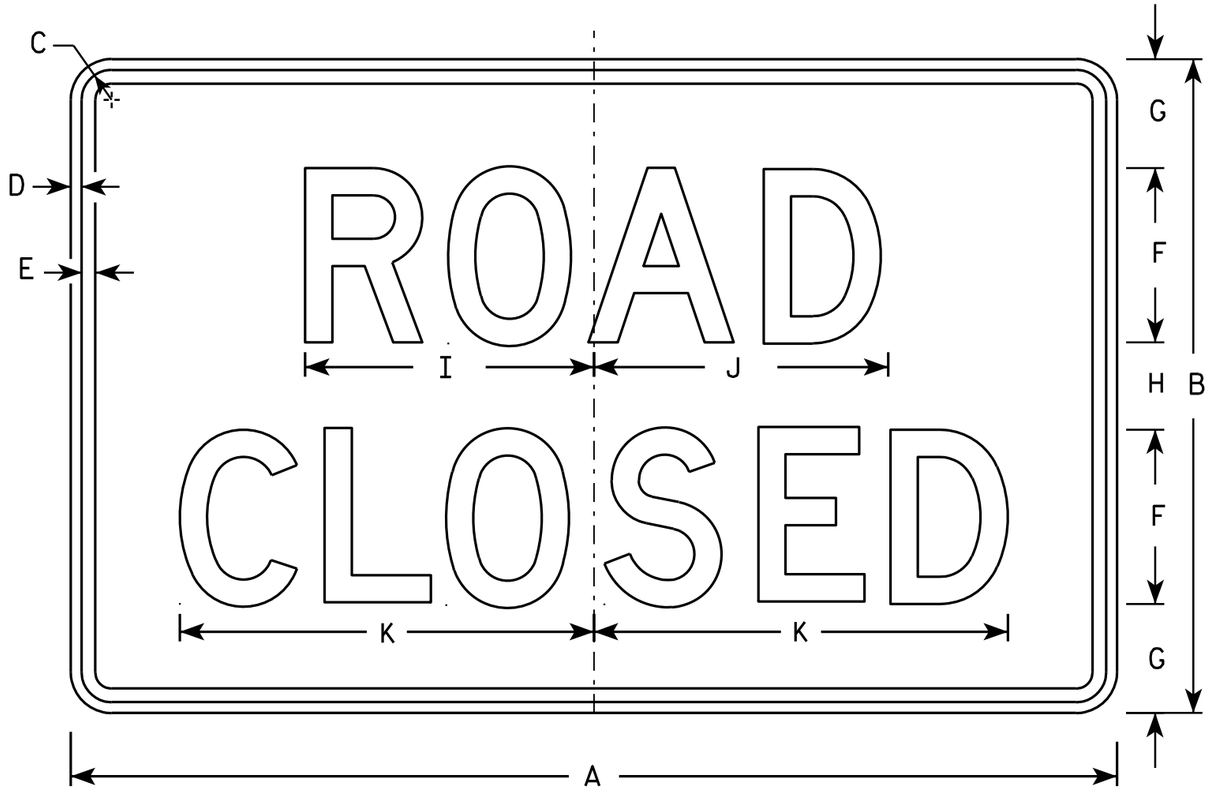
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 155 | E

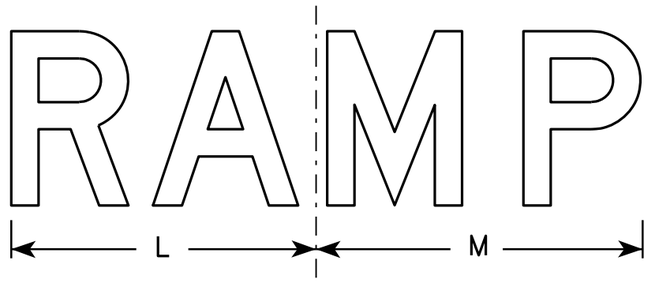
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



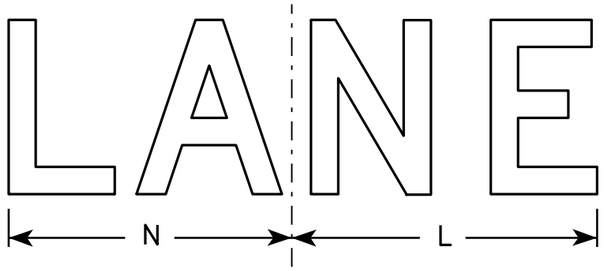
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

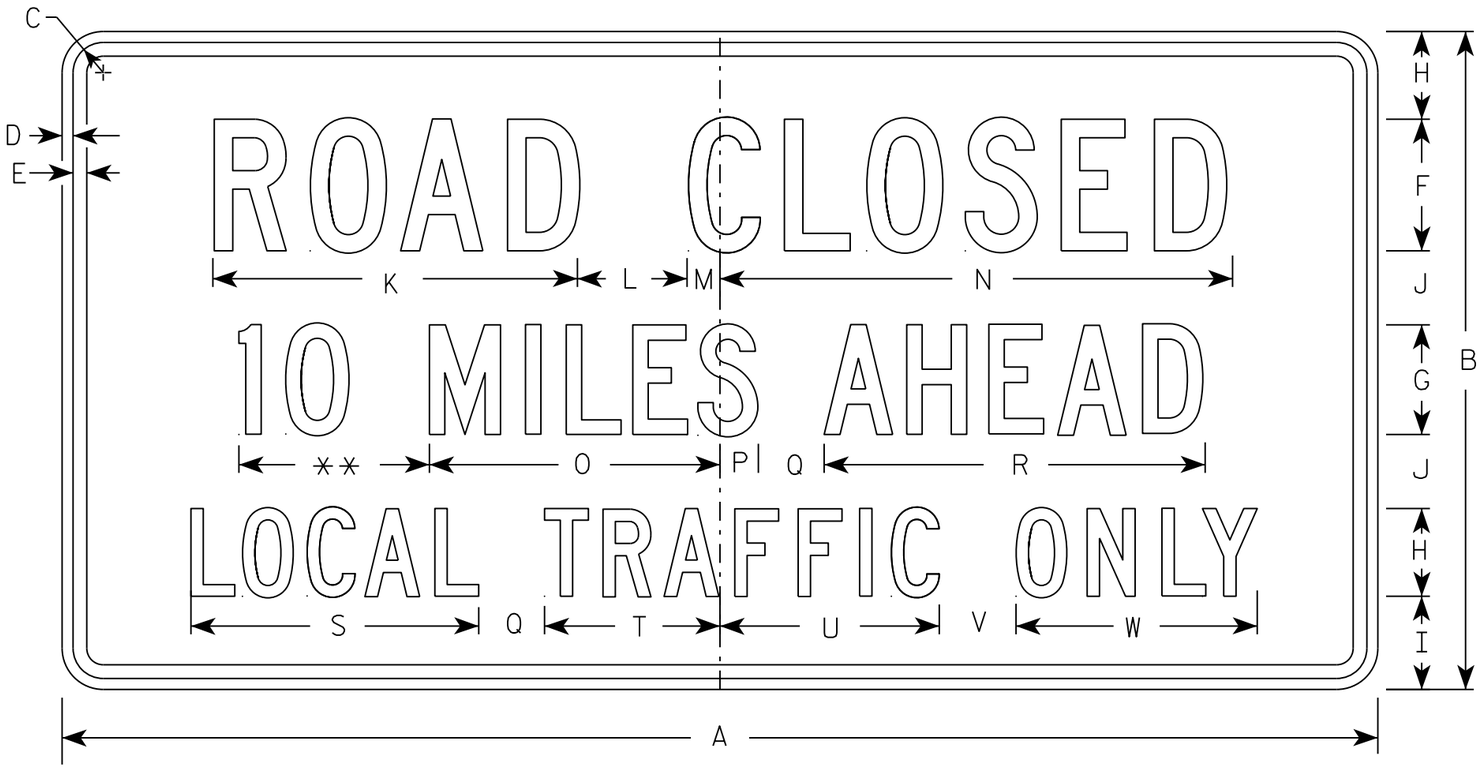
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 156 | E

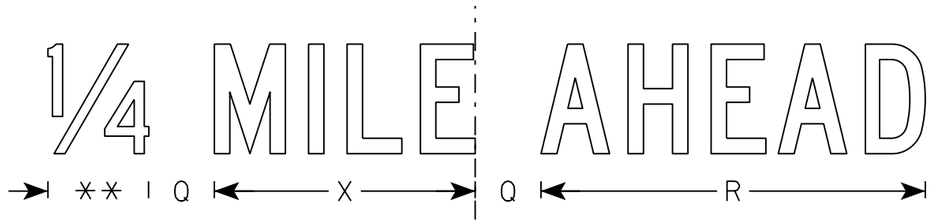
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

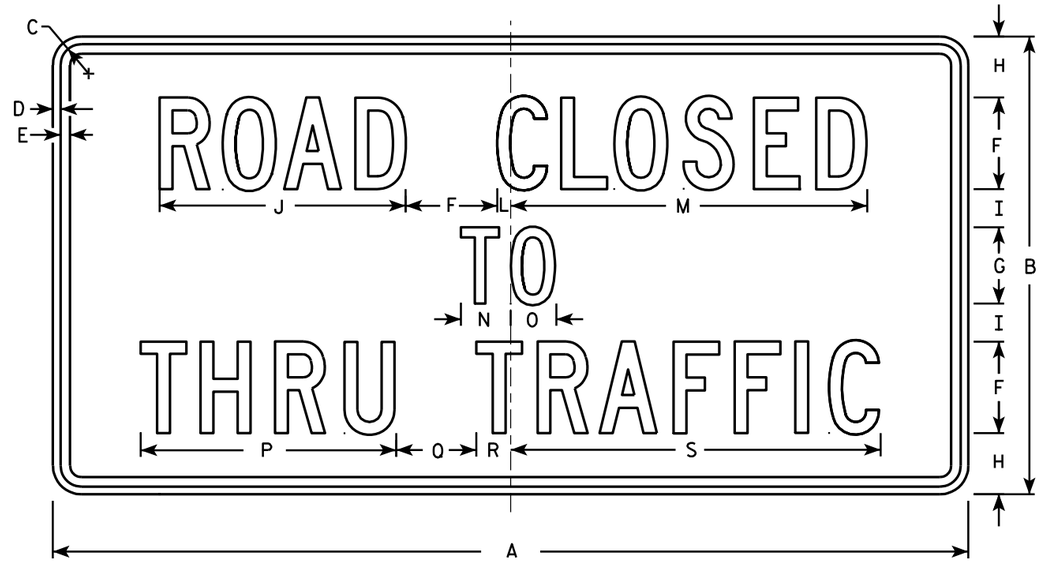
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 157	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

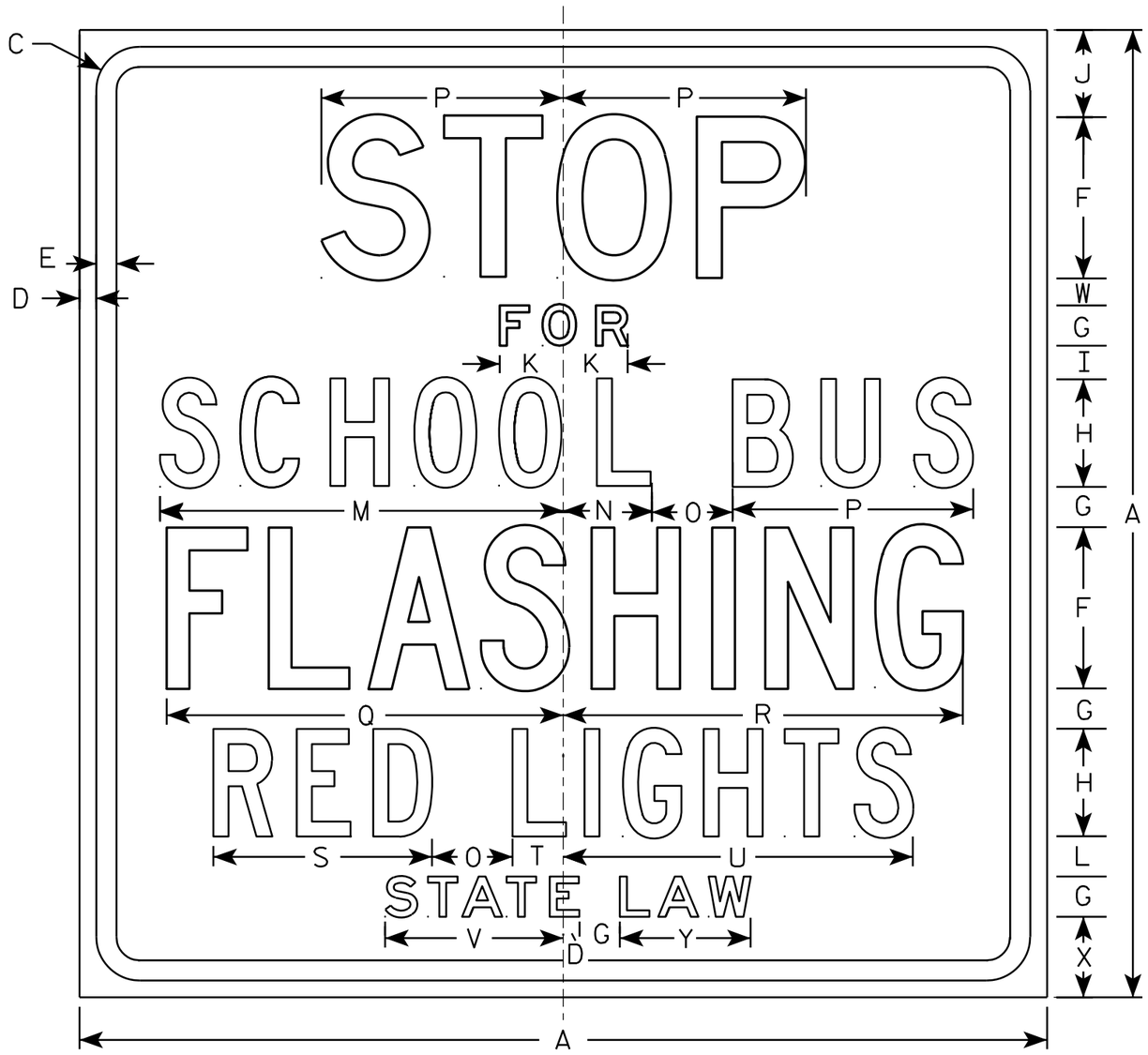
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 158 | E



R59-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

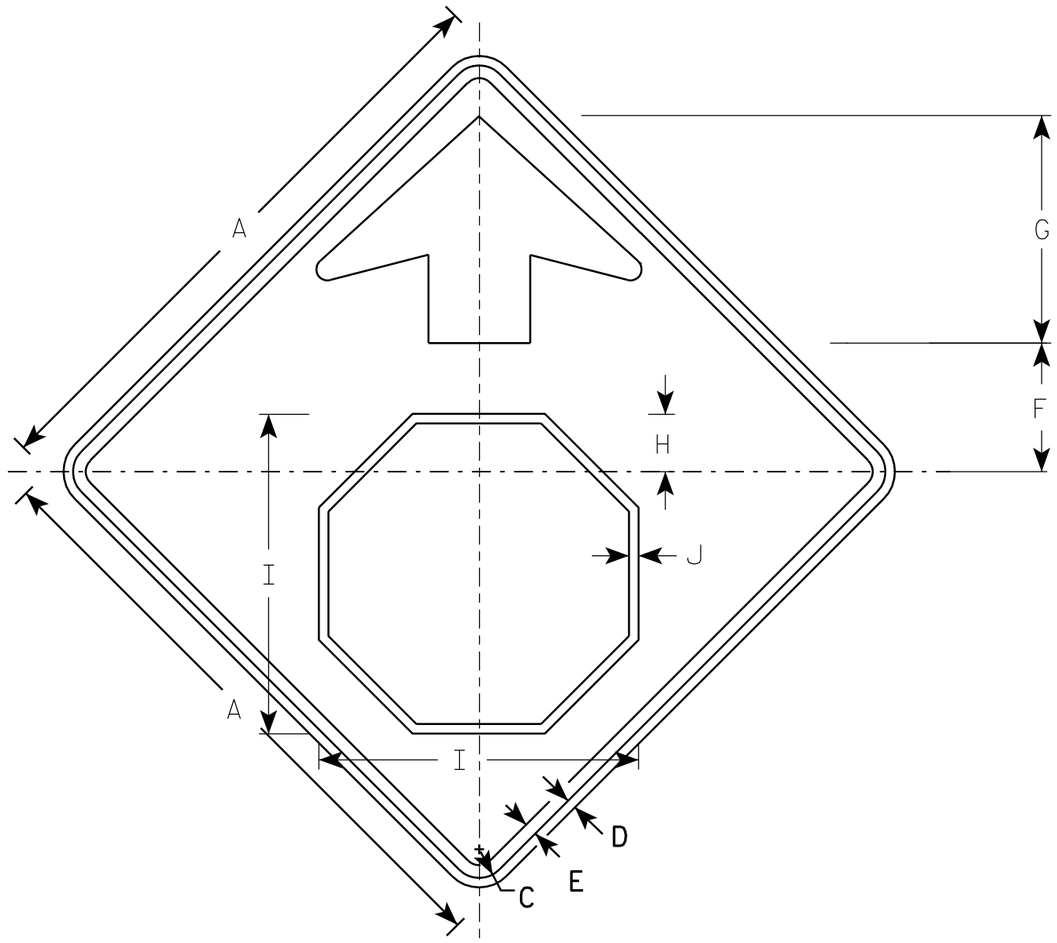
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 159 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R5951.DGN 30-MAR-2011 09:59 PLOT DATE : 30-MAR-2011 09:59 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.287650:1.000000

WISDOT/CADDS SHEET 42

7

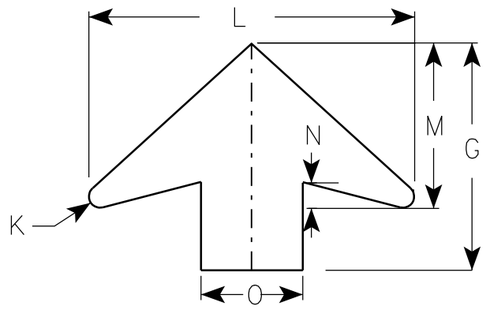
7



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

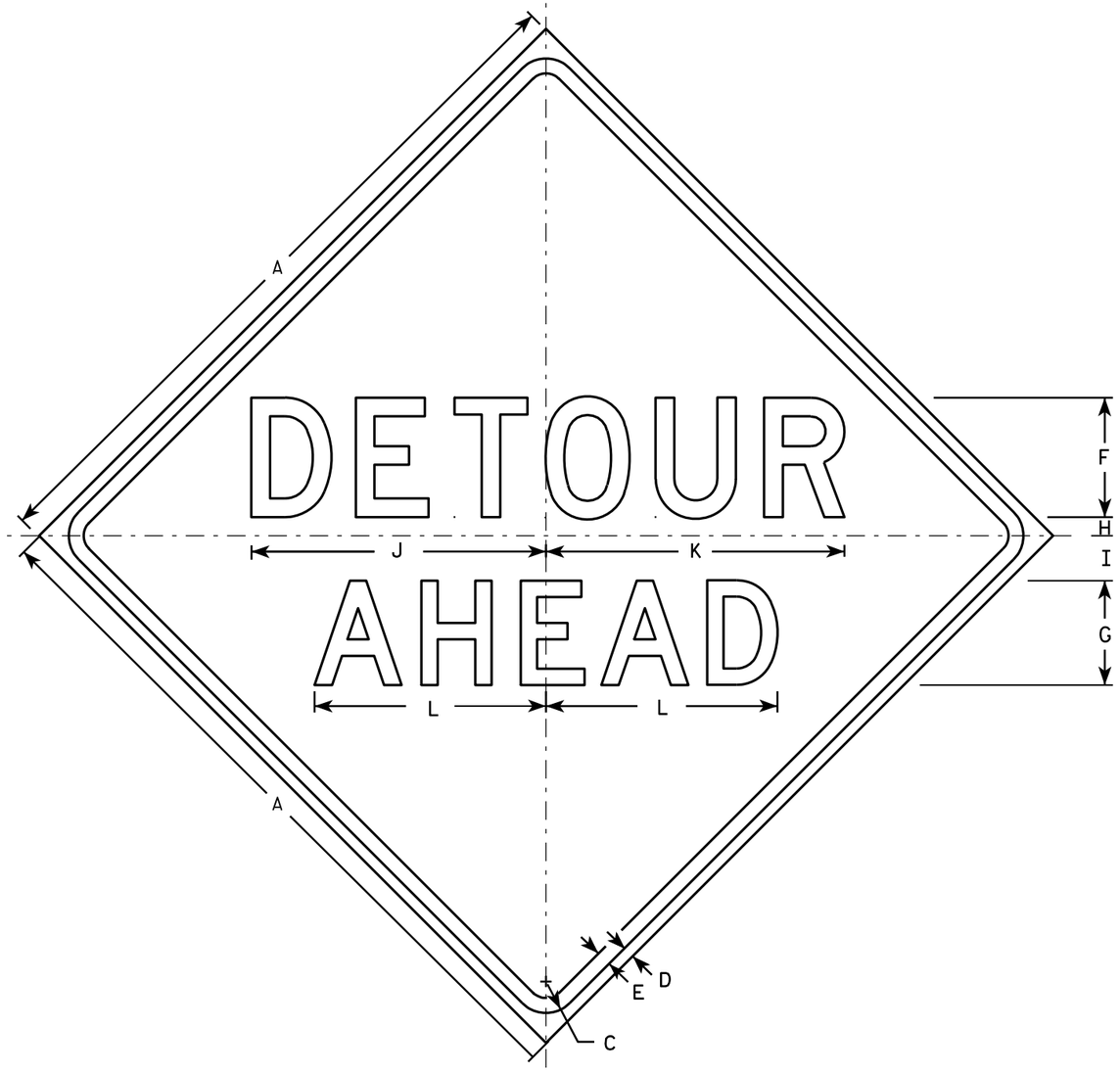
SHEET NO: 160 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W31.DGN PLOT DATE : 07-JUN-2010 12:59 PLOT BY : ditjph

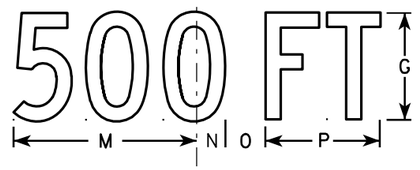
WISDOT/CADDS SHEET 42

7

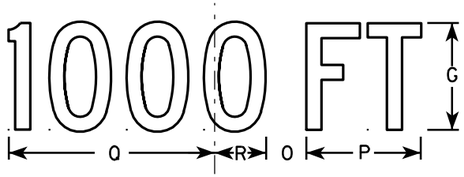
7



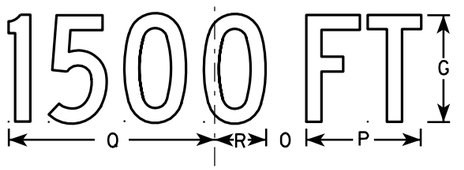
W20-2A



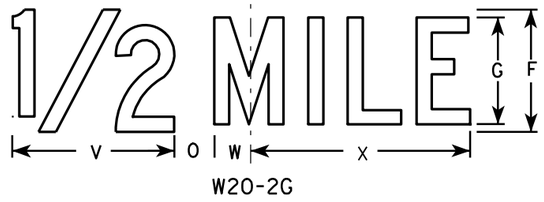
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

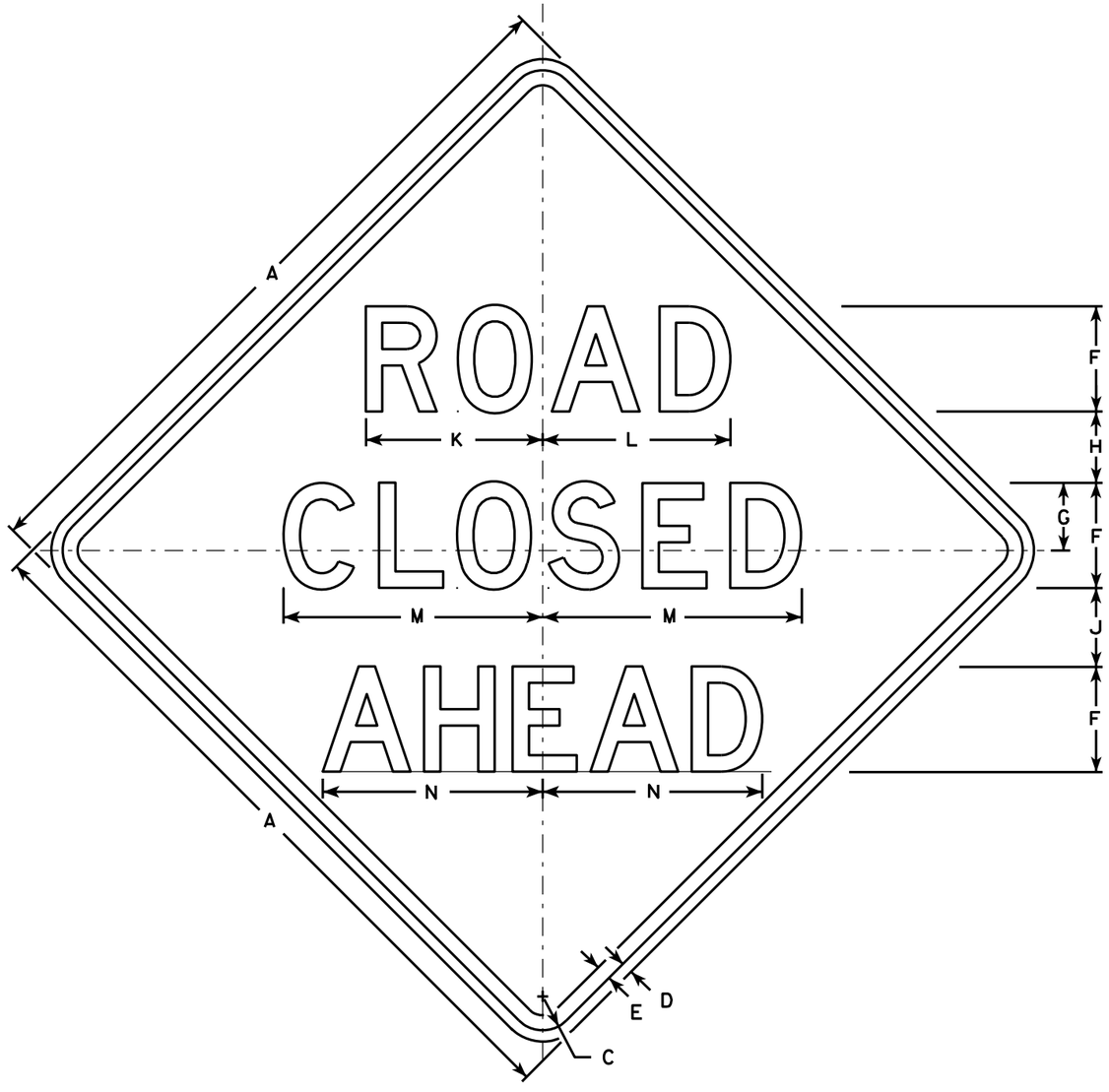
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

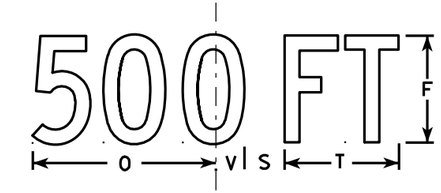
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

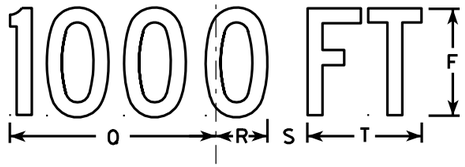
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 161	E



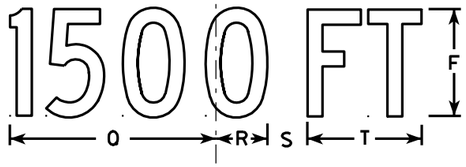
W20-3A



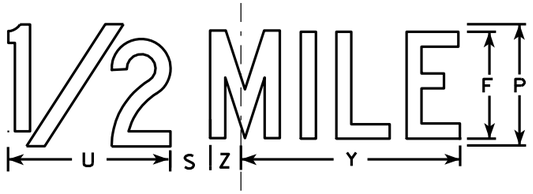
W20-3D



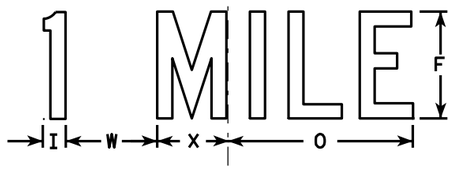
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

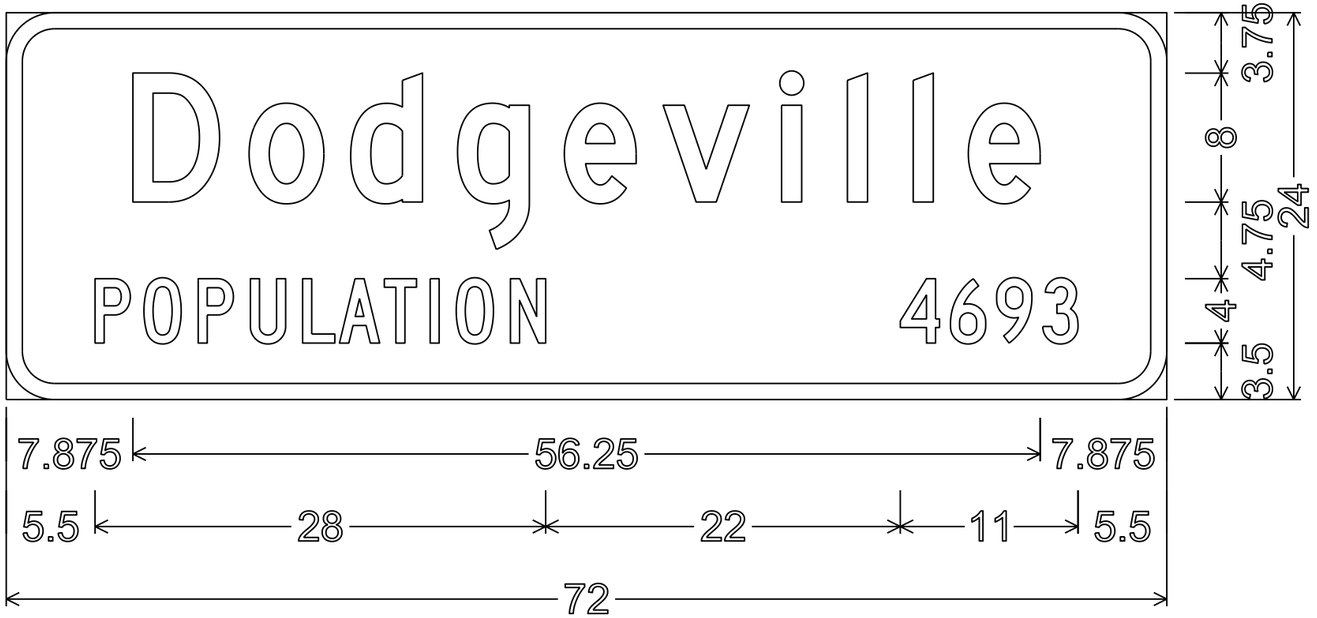
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 162 | E

NOTES

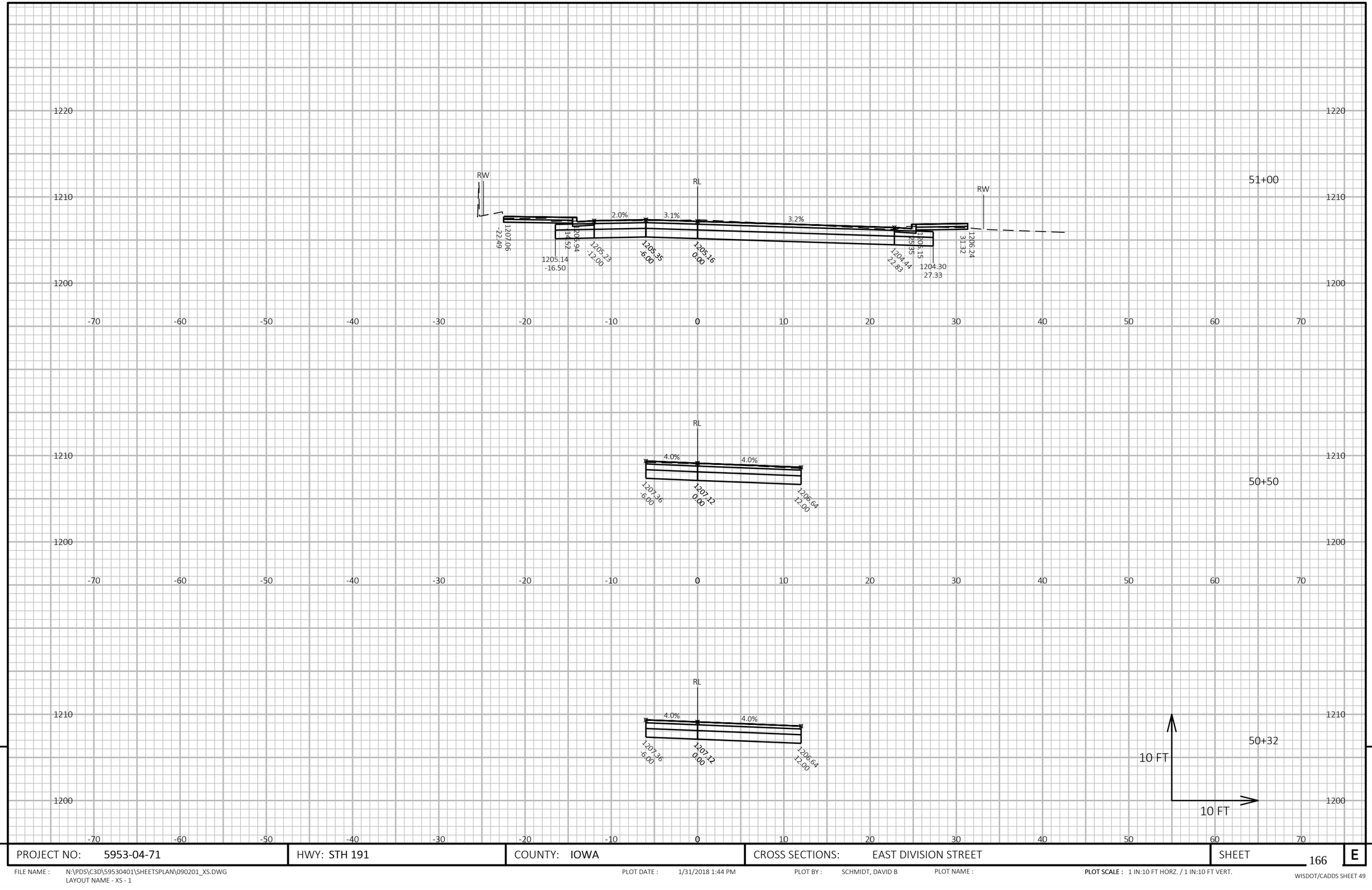
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



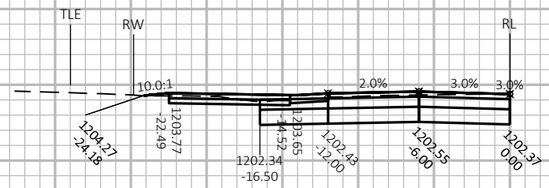
I2-3; 3.000" Radius, 1.000" Border,
"Dodgeville" D; "POPULATION" C; "4693" C

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.25	
						Note 1	Note 2	Note 3	Note 1		Note 8
50+31.65	5032	0.00	160.32	13.02	0.00	0	0	0	0	0	0
50+39.95	5040	8.30	149.60	13.02	0.00	48	4	0	48	0	44
50+51.95	5052	12.00	105.42	13.02	0.08	57	6	0	104	0	94
51+00	5100	48.05	92.23	13.02	0.03	176	23	0	280	0	247
52+00	5200	100.00	92.12	13.02	1.32	341	48	2	622	3	537
52+45.83	5246	45.83	91.61	13.02	0.00	156	22	1	778	5	670
52+62.83	5263	17.00	194.44	13.02	0.00	90	8	0	868	5	751
52+87.71	5288	24.87	198.41	13.02	0.00	181	12	0	1,049	5	920
53+00	5300	12.29	92.65	13.02	3.21	66	6	1	1,115	6	980
53+09.93	5010	9.93	77.78	13.02	0.71	31	5	1	1,146	6	1,005
54+00	5400	90.07	87.31	13.02	2.76	275	43	6	1,421	14	1,230
55+00	5500	100.00	78.08	13.02	0.17	306	48	5	1,728	20	1,481
56+00	5600	100.00	86.82	13.02	0.08	305	48	0	2,033	21	1,738
57+00	5700	100.00	113.75	13.02	0.01	371	48	0	2,405	21	2,061
58+00	5800	100.00	114.28	13.02	0.33	422	48	1	2,827	22	2,434
58+09.71	5810	9.71	103.94	13.02	1.01	39	5	0	2,866	22	2,469
58+30.6	5831	20.89	178.24	13.02	0.00	109	10	0	2,975	23	2,567
58+49.4	5849	18.81	176.60	13.02	0.00	124	9	0	3,099	23	2,682
58+69.11	5869	19.70	104.09	13.02	0.00	102	10	0	3,201	23	2,775
59+00	5900	30.89	114.43	13.02	0.32	125	15	0	3,326	23	2,884
60+00	6000	100.00	121.07	13.02	3.86	436	48	8	3,762	33	3,263
61+00	6100	100.00	115.25	13.02	1.84	438	48	11	4,200	46	3,639
62+00	6200	100.00	106.43	13.02	1.75	411	48	7	4,611	54	3,993
62+14.19	6214	14.19	100.75	13.02	2.46	54	7	1	4,665	56	4,039
62+29.19	6229	15.00	113.89	13.02	2.78	60	7	1	4,725	57	4,090
62+45.19	6245	16.00	114.16	13.02	3.92	68	8	2	4,792	60	4,147
62+60.19	6260	15.00	96.64	13.02	4.64	59	7	2	4,851	63	4,195
62+67.53	6268	7.34	94.19	13.02	0.00	26	4	1	4,877	64	4,217
62+84.53	6285	17.00	129.09	13.02	0.00	70	8	0	4,947	64	4,279
63+00	6300	15.47	127.33	13.02	0.00	73	7	0	5,020	64	4,345
63+11.44	6311	11.44	122.49	13.02	0.00	53	6	0	5,073	64	4,392
63+28.44	6328	17.00	71.94	13.02	0.02	61	8	0	5,135	64	4,445
64+00	6400	71.56	89.61	13.02	8.60	214	35	11	5,349	78	4,611
65+00	6500	100.00	89.82	13.02	12.15	332	48	38	5,681	126	4,847
66+00	6600	100.00	94.76	13.02	17.62	342	48	55	6,023	195	5,072
67+00	6700	100.00	87.98	13.02	7.26	338	48	46	6,361	252	5,304
67+70.75	6771	70.75	72.65	13.02	0.00	210	34	10	6,572	264	5,469
67+87.75	6788	17.00	102.45	13.02	0.00	55	8	0	6,627	264	5,515
68+00	6800	12.25	99.62	13.02	0.00	46	6	0	6,672	264	5,555
68+11.47	6811	11.47	95.84	13.02	0.01	42	6	0	6,714	264	5,591

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Mass Ordinate
						Note 1	Note 2	Note 3	Note 1		Note 8
68+28.47	6828	17.00	74.60	13.02	0.64	54	8	0	6,768	265	5,637
69+00	6900	71.53	64.90	13.02	16.07	185	34	22	6,952	292	5,759
70+00	7000	100.00	71.22	13.02	8.55	252	48	46	7,205	349	5,906
70+09.01	7009	9.01	60.16	13.02	8.58	22	4	3	7,226	353	5,920
70+26.01	7026	17.00	101.62	13.02	9.50	51	8	6	7,277	360	5,956
70+52.14	7052	26.12	96.38	13.02	9.65	96	13	9	7,373	372	6,027
70+69.14	7069	17.00	52.16	13.02	7.98	47	8	6	7,420	379	6,059
71+00	7100	30.86	54.14	13.02	9.40	61	15	10	7,481	391	6,092
72+00	7200	100.00	90.40	13.02	1.12	268	48	19	7,748	415	6,287
72+35.85	7236	35.85	106.96	13.02	0.39	131	17	1	7,879	417	6,400
73+00	7300	64.15	125.43	13.02	0.00	276	31	0	8,155	417	6,645
74+00	7400	100.00	95.77	13.02	0.93	410	48	2	8,565	419	7,004
75+00	7500	100.00	85.65	13.02	9.50	336	48	19	8,901	443	7,267
76+00	7600	100.00	88.13	13.02	2.64	322	48	22	9,223	472	7,513
77+00	7700	100.00	99.94	13.02	4.62	348	48	13	9,571	488	7,796
78+00	7800	100.00	63.82	13.02	44.48	303	48	91	9,874	602	7,937
79+00	7900	100.00	59.05	13.02	77.76	228	48	226	10,102	885	7,834
80+00	8000	100.00	62.32	13.02	99.94	225	48	329	10,327	1,296	7,599
81+00	81000	100.00	65.00	13.02	56.36	236	48	289	10,562	1,658	7,425
82+00	8200	100.00	78.96	13.02	14.91	267	48	132	10,829	1,823	7,478
83+00	8300	100.00	79.52	13.02	149.25	293	48	304	11,123	2,203	7,343
83+62.4	8362	62.40	83.93	13.02	32.80	189	30	210	11,311	2,466	7,239
84+00	8400	37.60	384.35	13.02	2.44	326	18	25	11,637	2,497	7,516
84+45.72	8446	45.72	80.42	13.02	0.00	393	22	2	12,031	2,499	7,885
85+00	8500	54.28	87.80	13.02	0.00	169	26	0	12,200	2,499	8,028
86+00	8600	100.00	67.82	13.02	0.87	288	48	2	12,488	2,501	8,266
86+69.46	8669	69.46	69.65	13.02	2.45	177	33	4	12,665	2,507	8,404
87+00	8700	30.54	62.24	13.02	1.48	75	15	2	12,740	2,509	8,461
87+84	8784	84.00	85.05	13.02	0.00	229	41	2	12,969	2,512	8,647
88+00	8800	16.00	11.00	0.00	0.00	28	4	0	12,997	2,512	8,672
89+00	8900	100.00	87.42	0.00	0.54	182	0	1	13,179	2,514	8,853
90+00	9000	100.00	73.02	0.00	1.62	297	0	4	13,477	2,519	9,145
91+00	9100	100.00	63.19	0.00	1.36	252	0	6	13,729	2,525	9,390
92+00	9200	100.00	7.64	0.00	1.66	131	0	6	13,860	2,532	9,514
92+50	9250	50.00	0.22	0.00	4.08	7	0	5	13,867	2,539	9,515
						13,867	1,813	2,031			

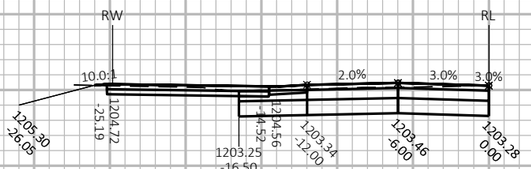


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 166	E

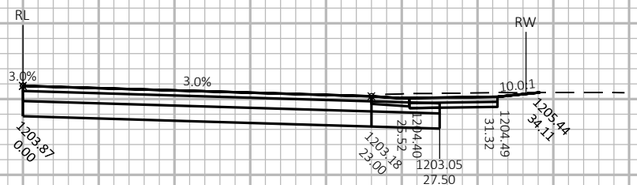


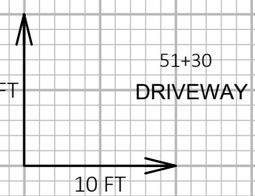
51+70
DRIVEWAY

51+50



51+45
DRIVEWAY

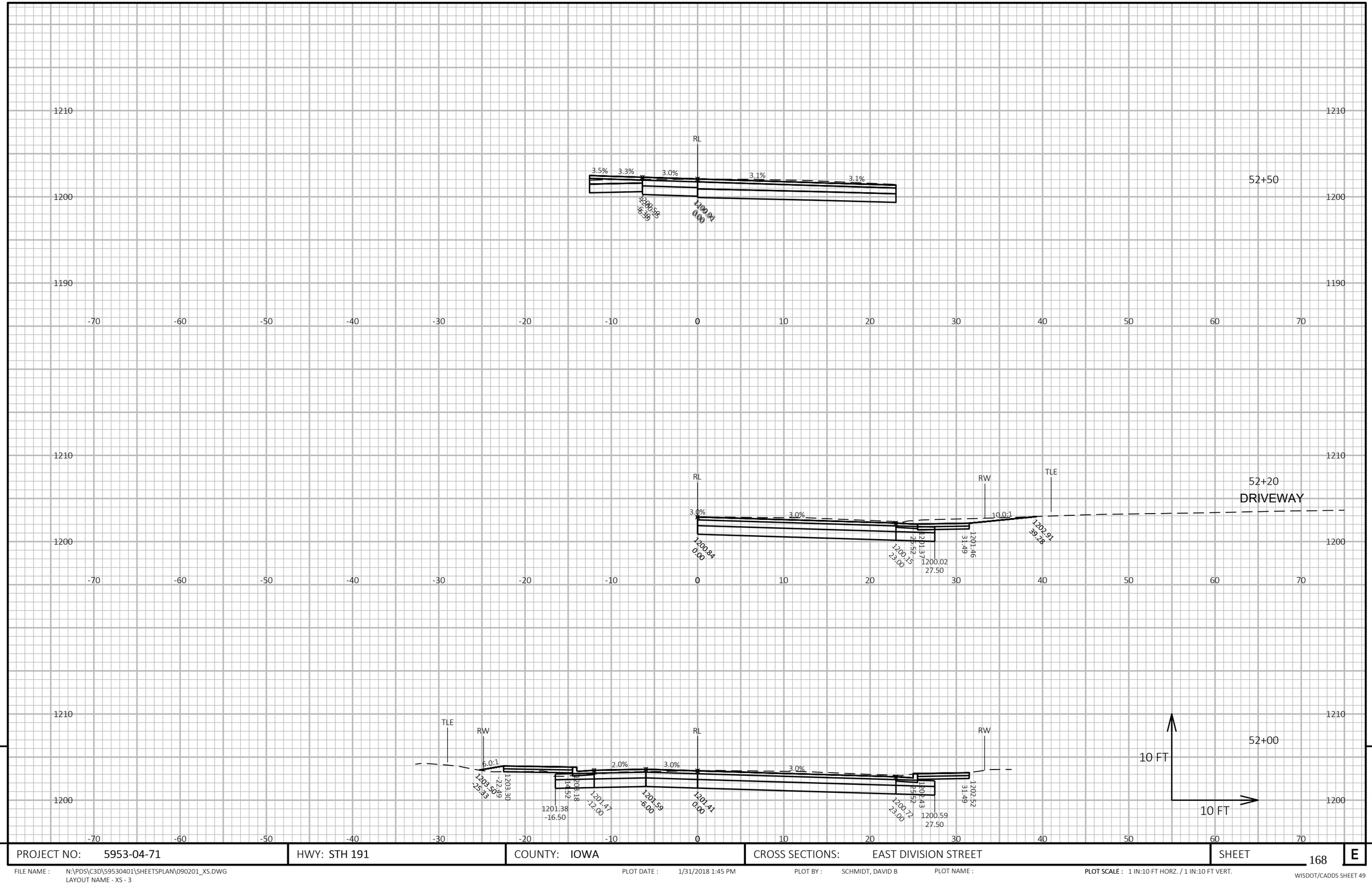




51+30
DRIVEWAY

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 167	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 2
PLOT DATE : 1/31/2018 1:44 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 168	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 3

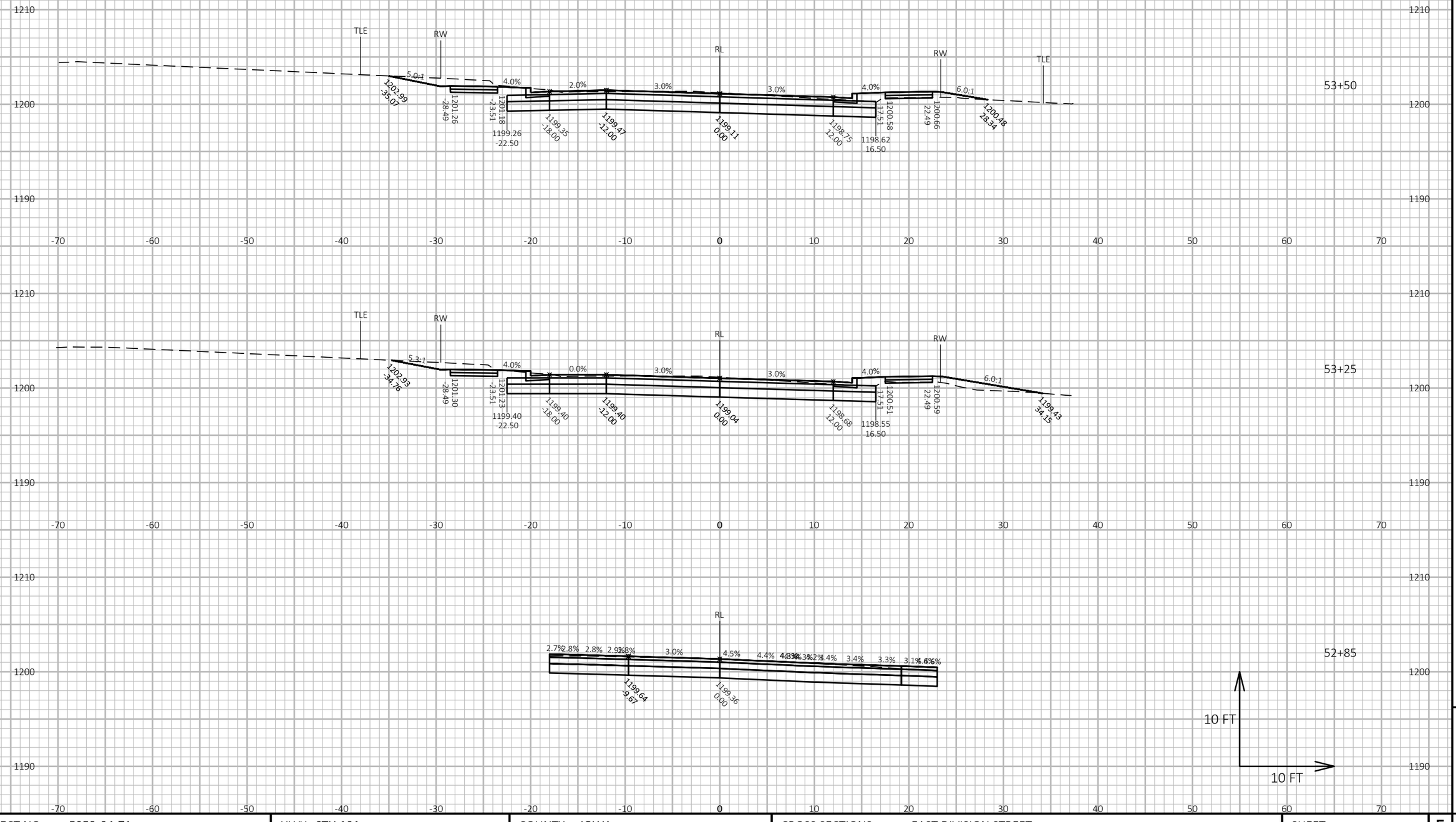
PLOT DATE : 1/31/2018 1:45 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

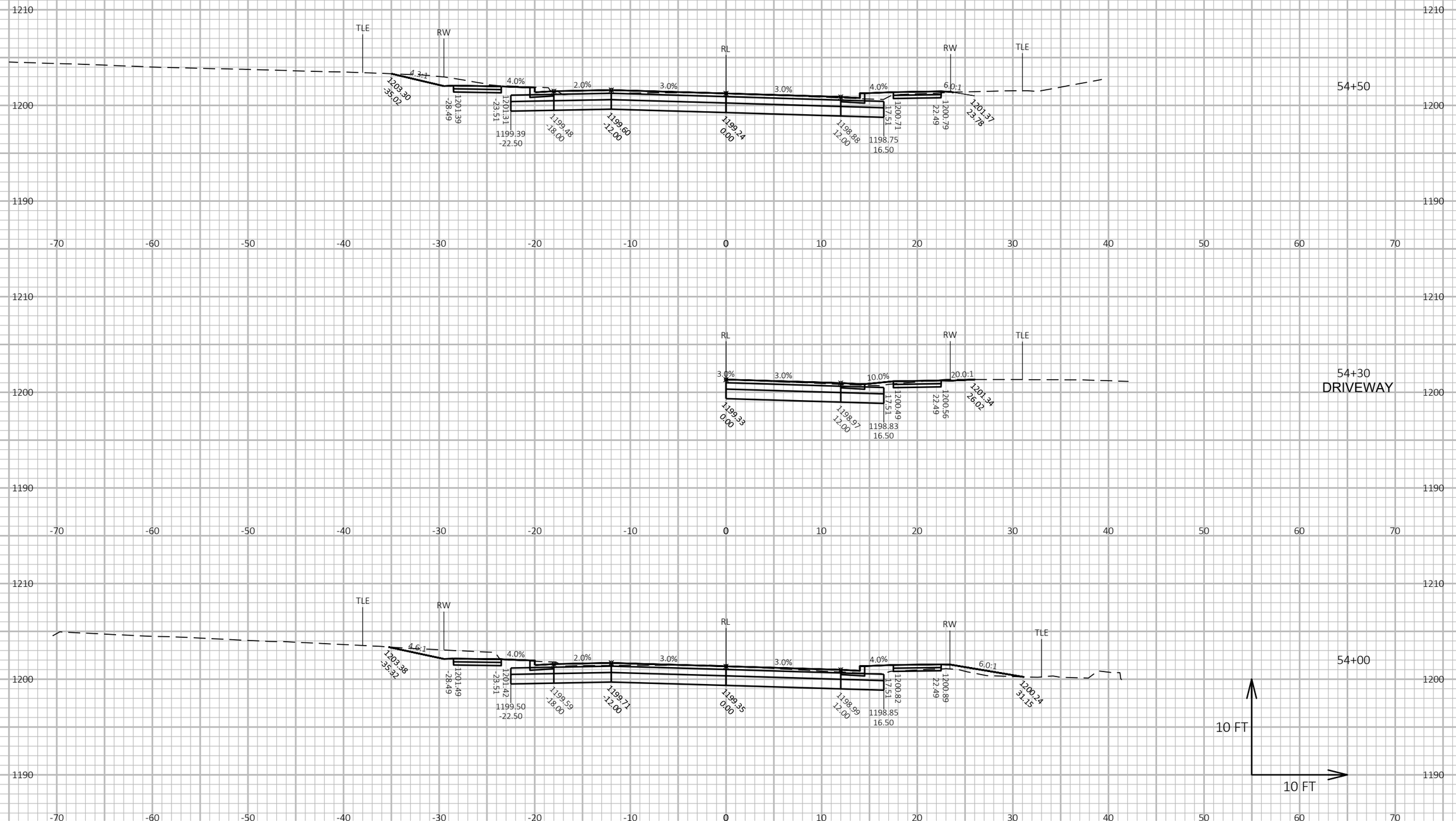
WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 169	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 4

PLOT DATE : 1/31/2018 1:45 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 170	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 5

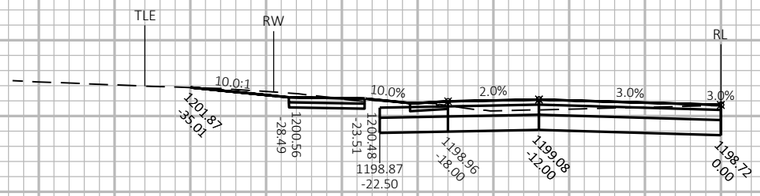
PLOT DATE : 1/31/2018 1:46 PM

PLOT BY : SCHMIDT, DAVID B

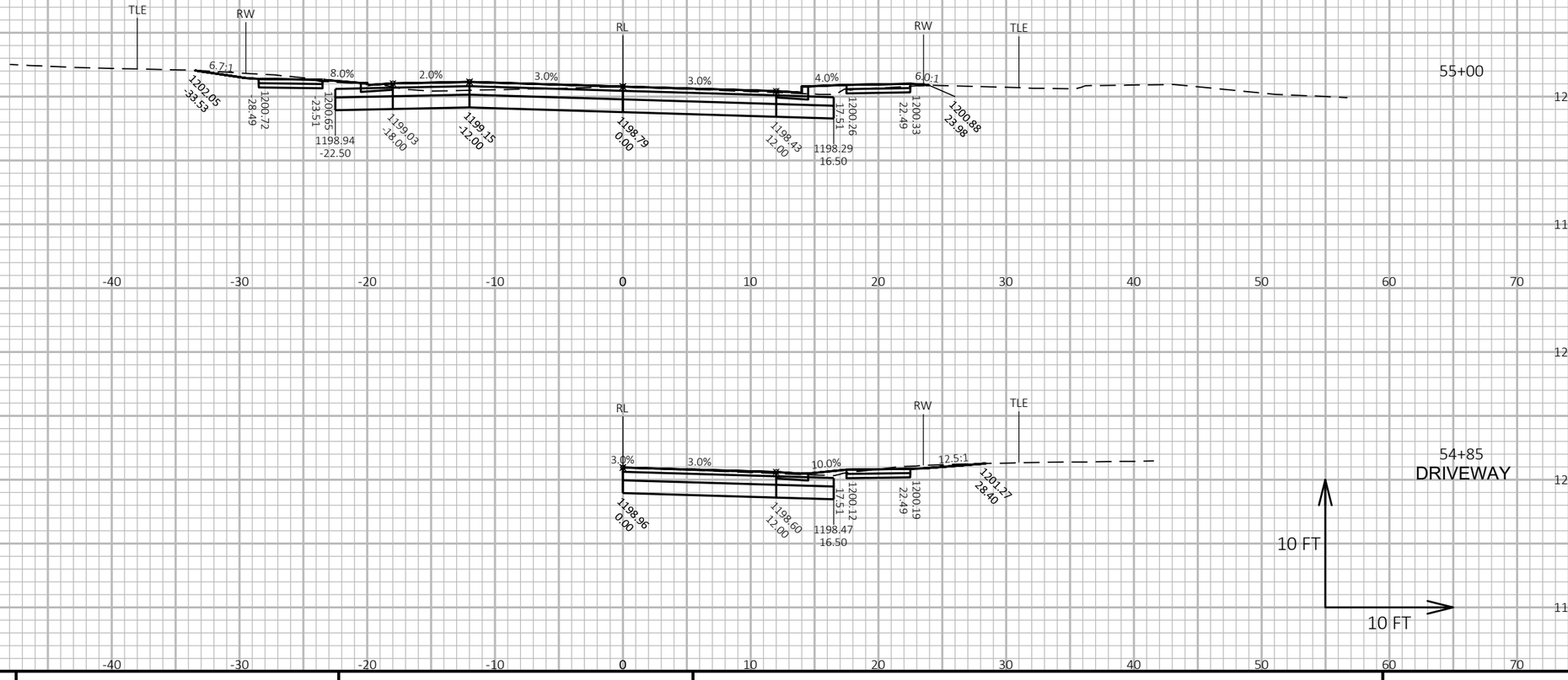
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



55+05
DRIVEWAY



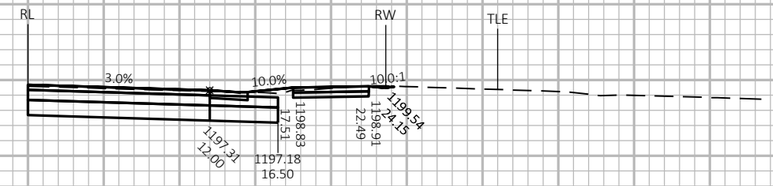
55+00

54+85
DRIVEWAY

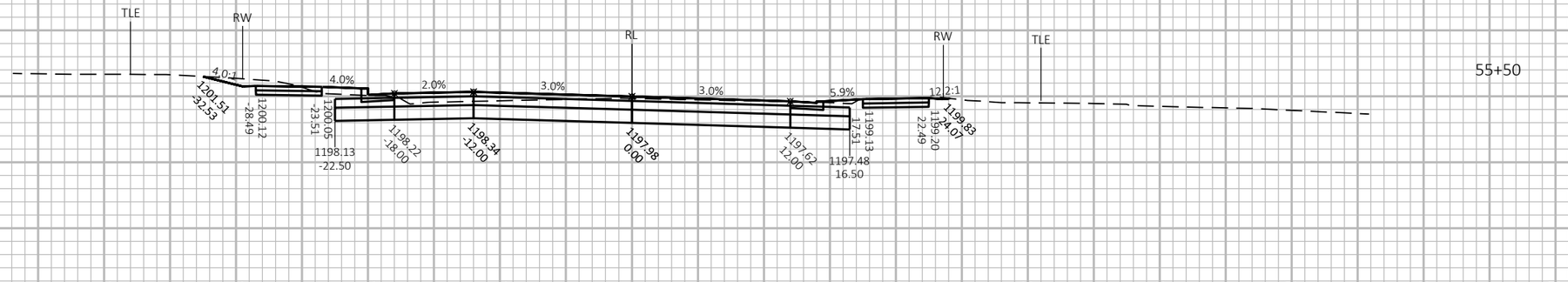
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 171	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 6

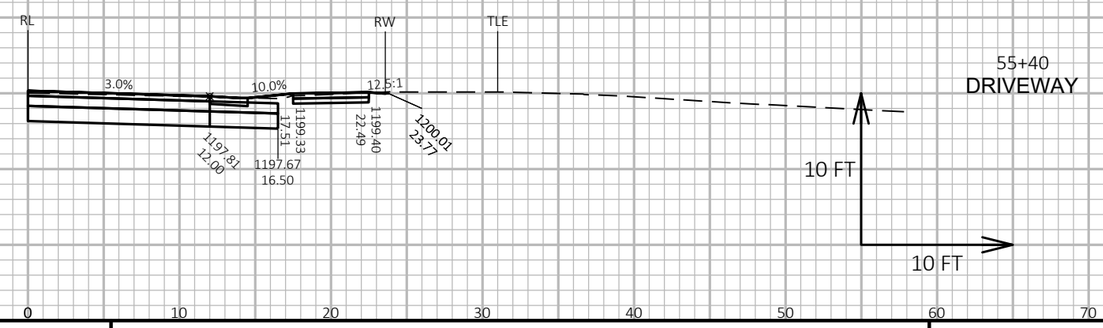
PLOT DATE : 1/31/2018 1:46 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



55+65
DRIVEWAY



55+50



55+40
DRIVEWAY

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 172	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 7

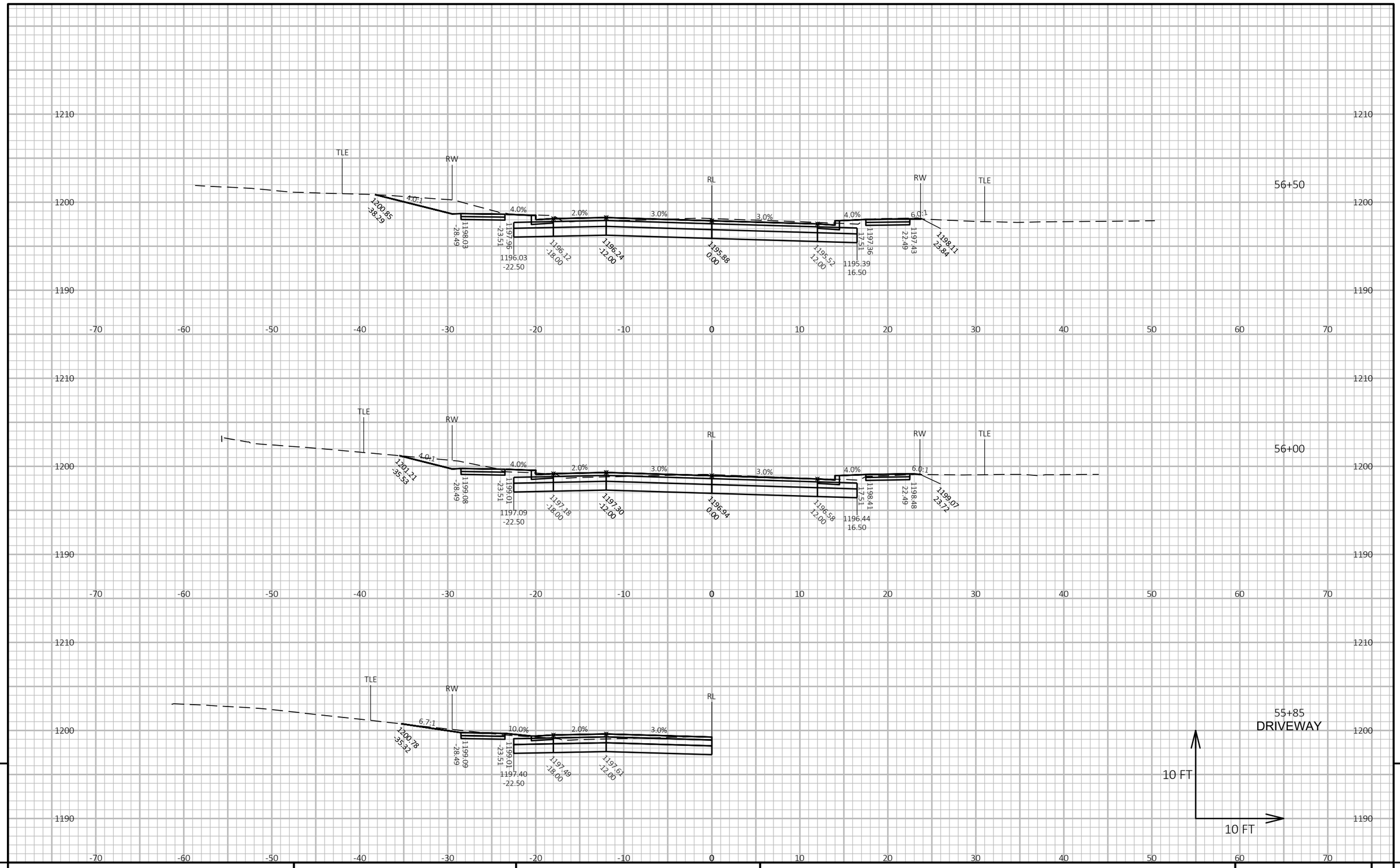
PLOT DATE : 1/31/2018 1:46 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



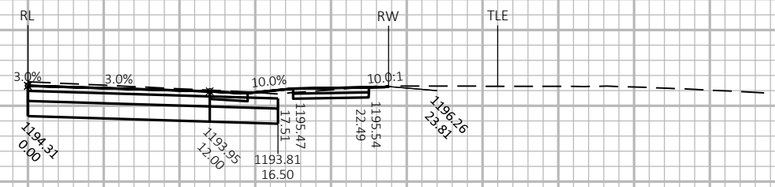
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 173	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 8

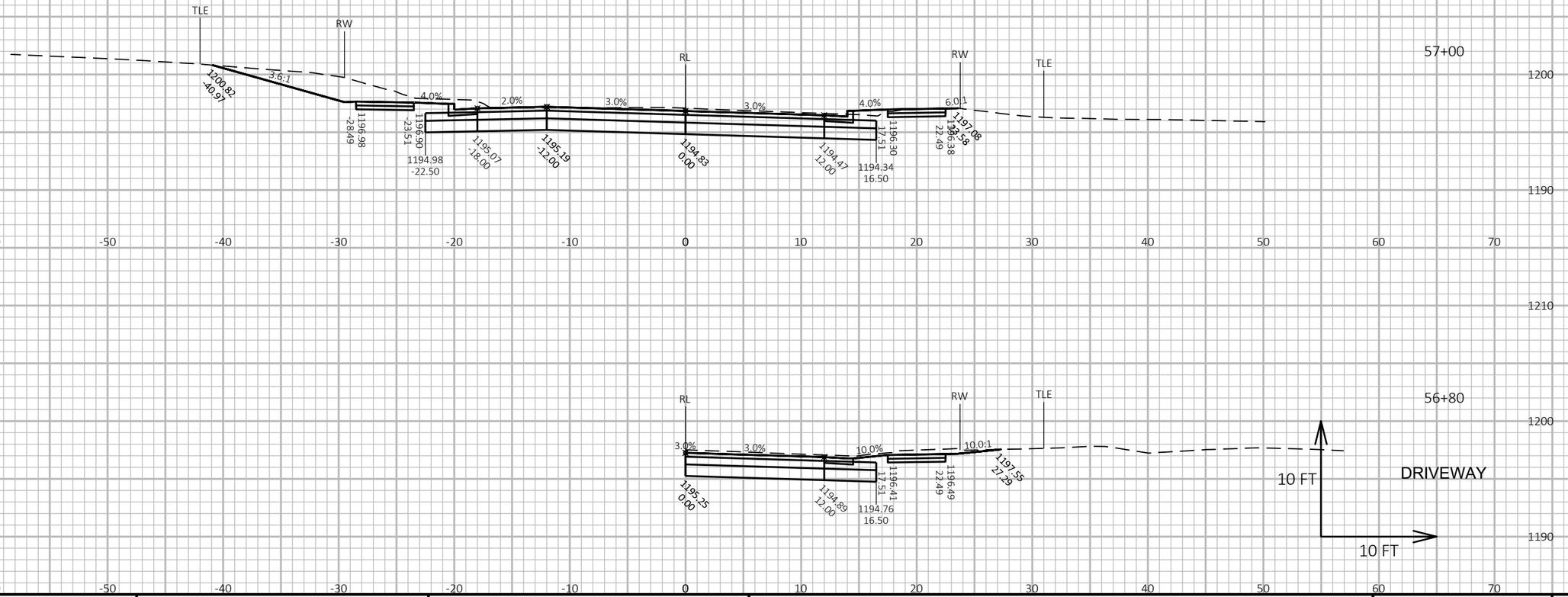
PLOT DATE : 1/31/2018 1:47 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



57+25
DRIVEWAY



57+00

56+80

DRIVEWAY

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 174	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 9

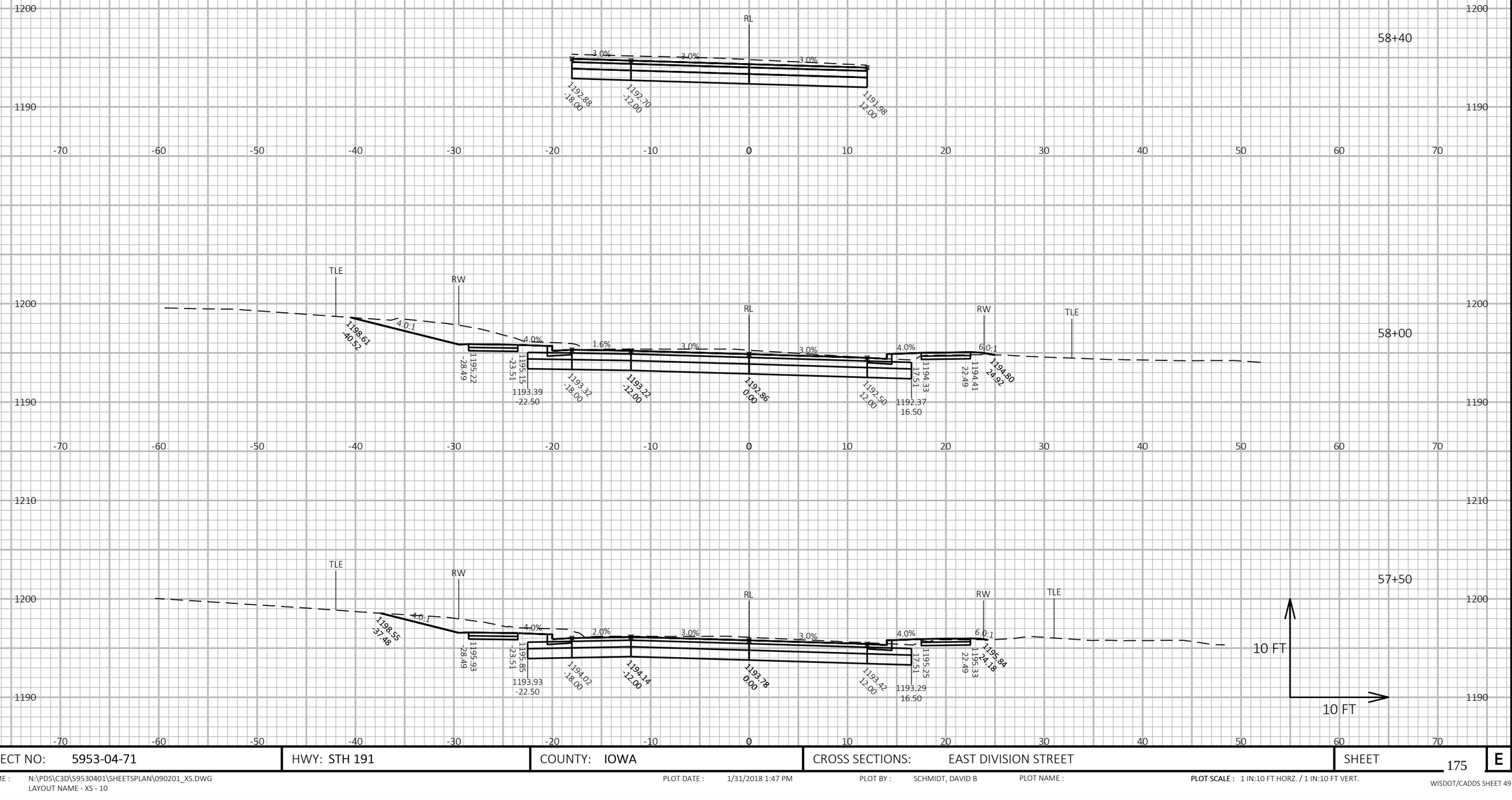
PLOT DATE : 1/31/2018 1:47 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 175	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 10

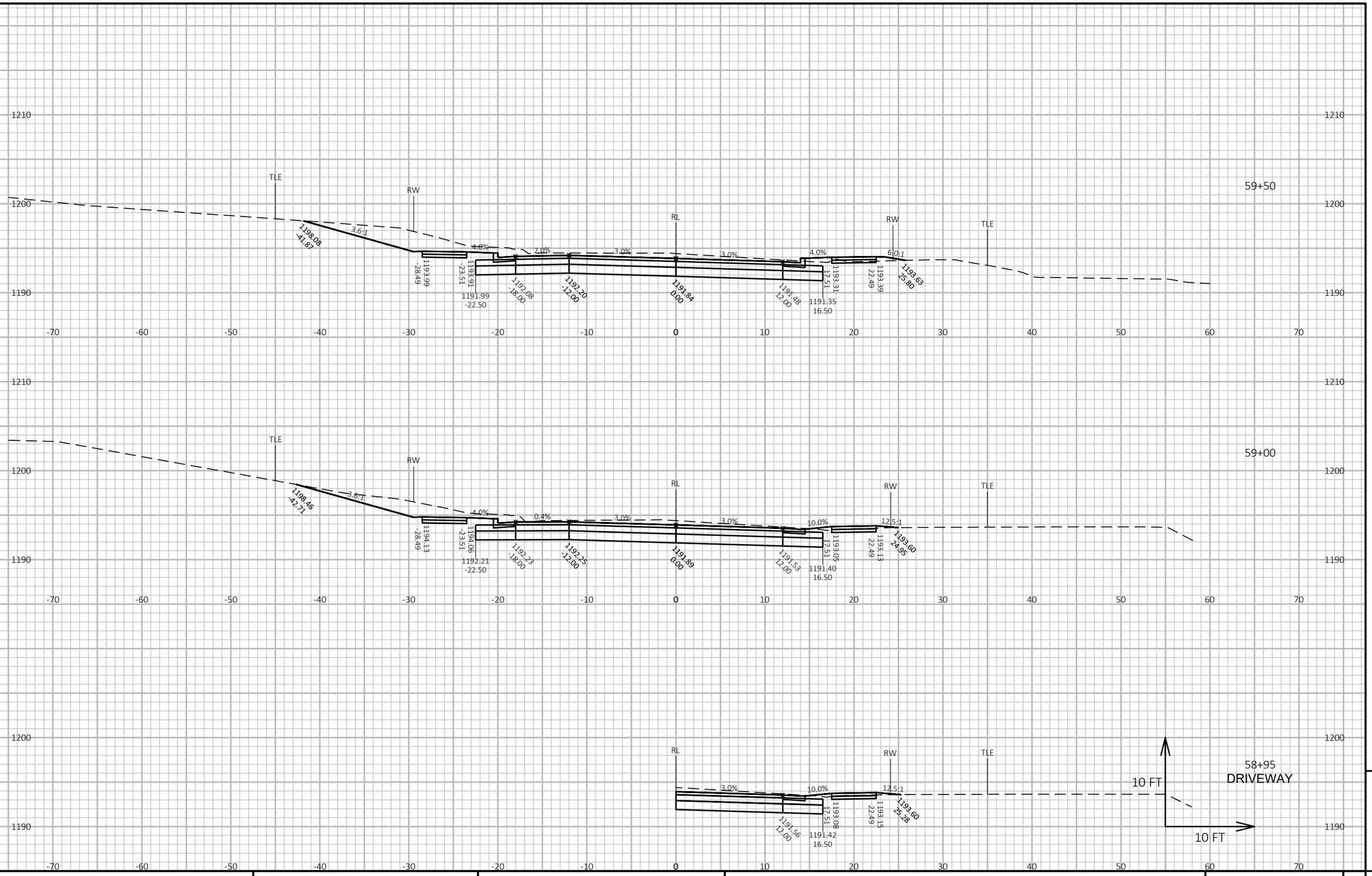
PLOT DATE : 1/31/2018 1:47 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 176	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 11

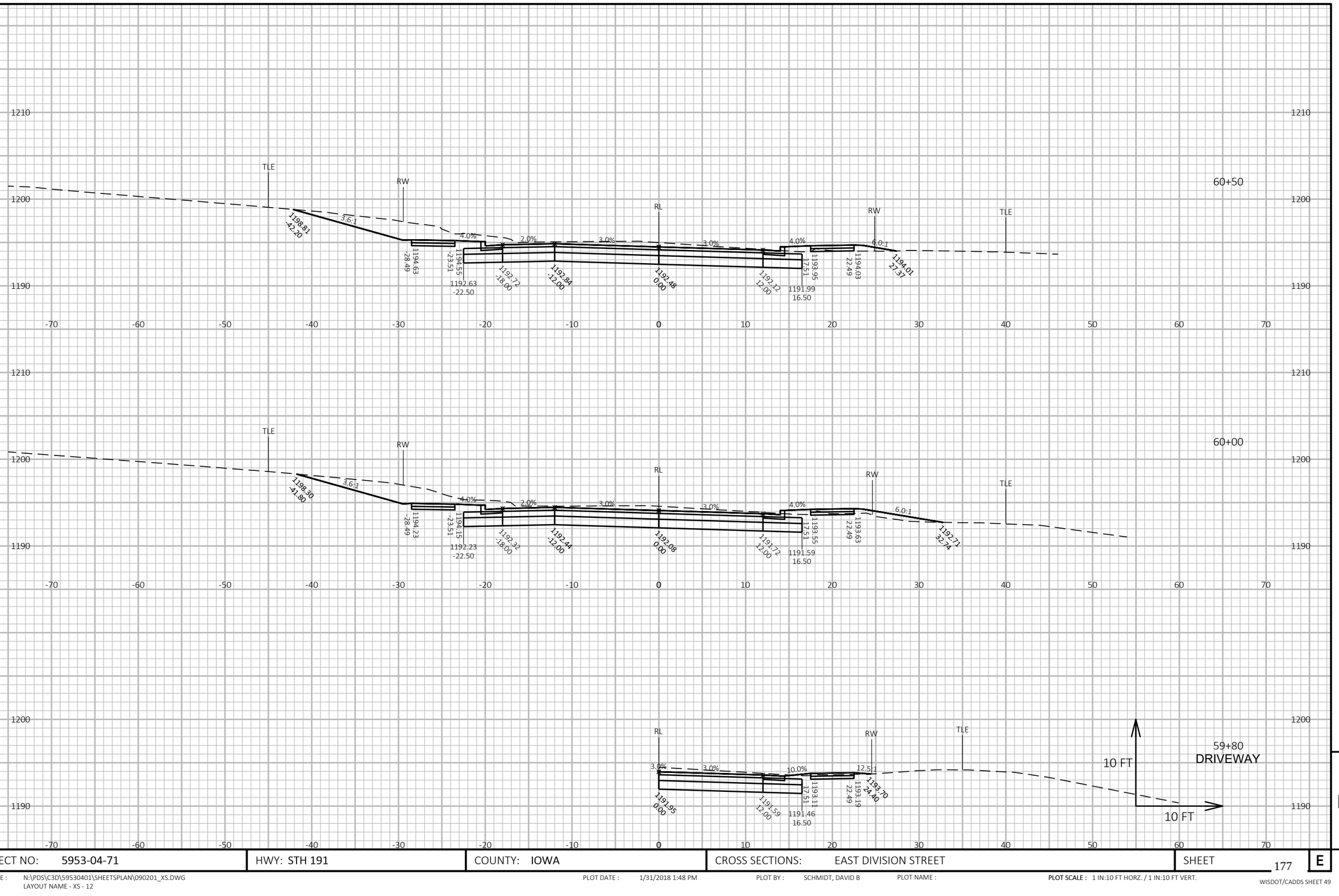
PLOT DATE : 1/31/2018 1:48 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 177	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 12

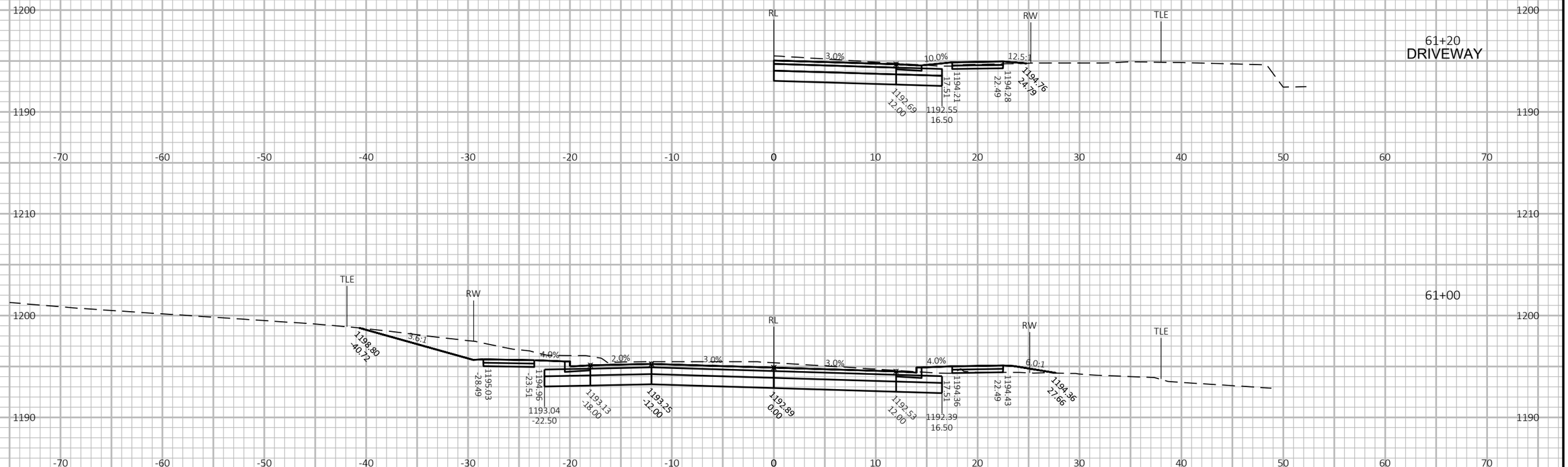
PLOT DATE : 1/31/2018 1:48 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 178	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 13

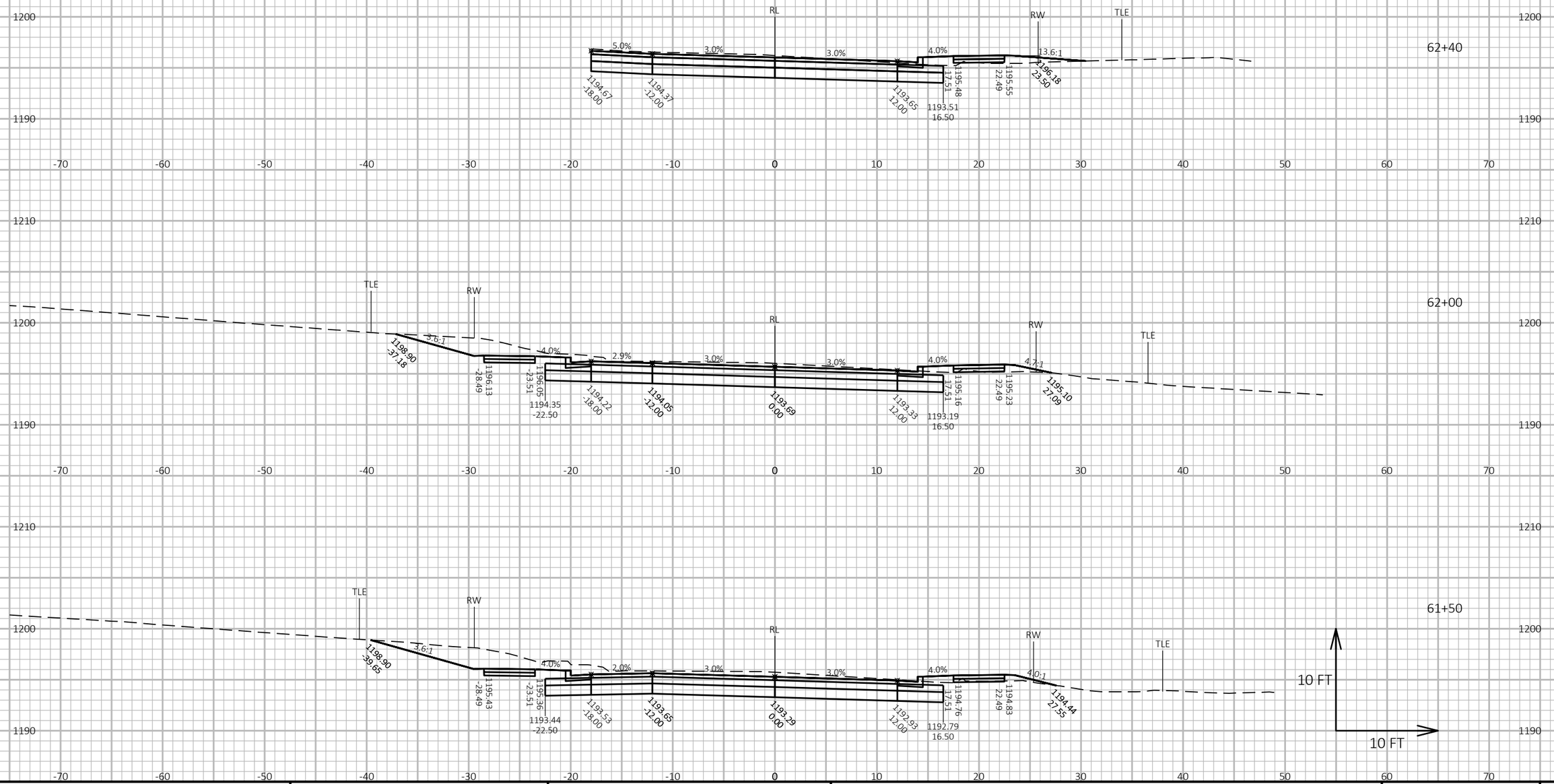
PLOT DATE : 1/31/2018 1:48 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 179	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 14

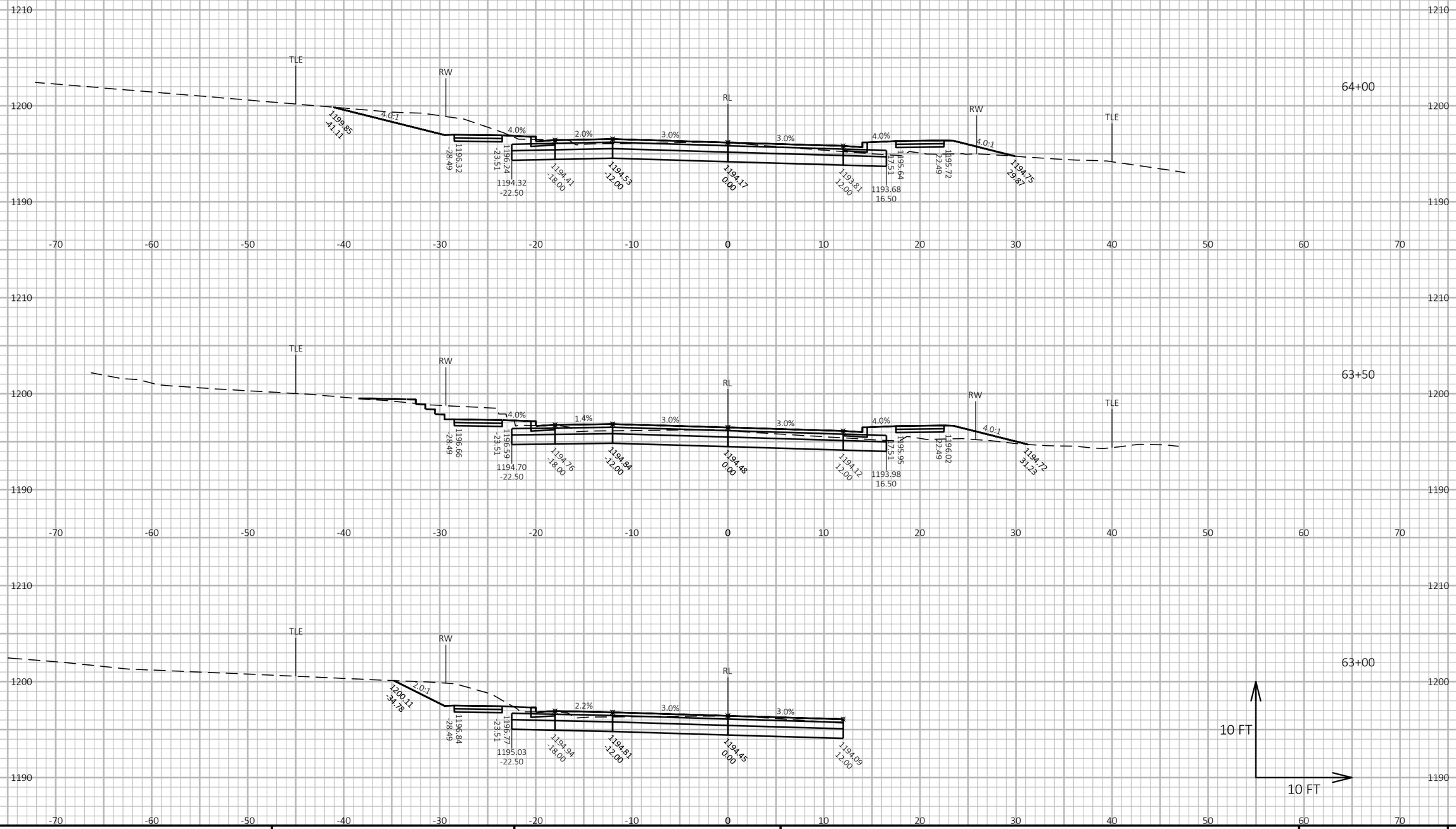
PLOT DATE : 1/31/2018 1:49 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 180	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 15

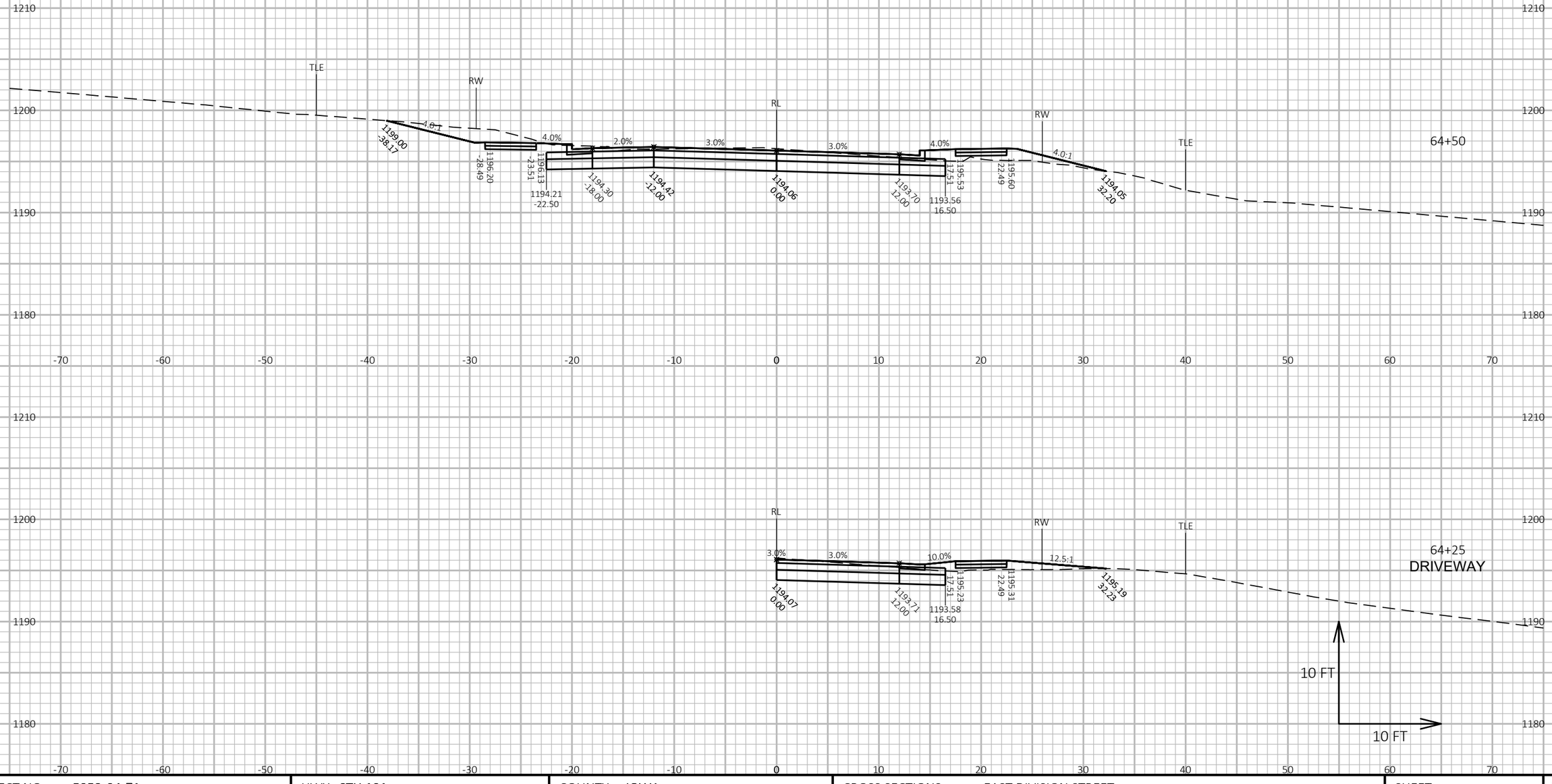
PLOT DATE : 1/31/2018 1:49 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 181	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 16

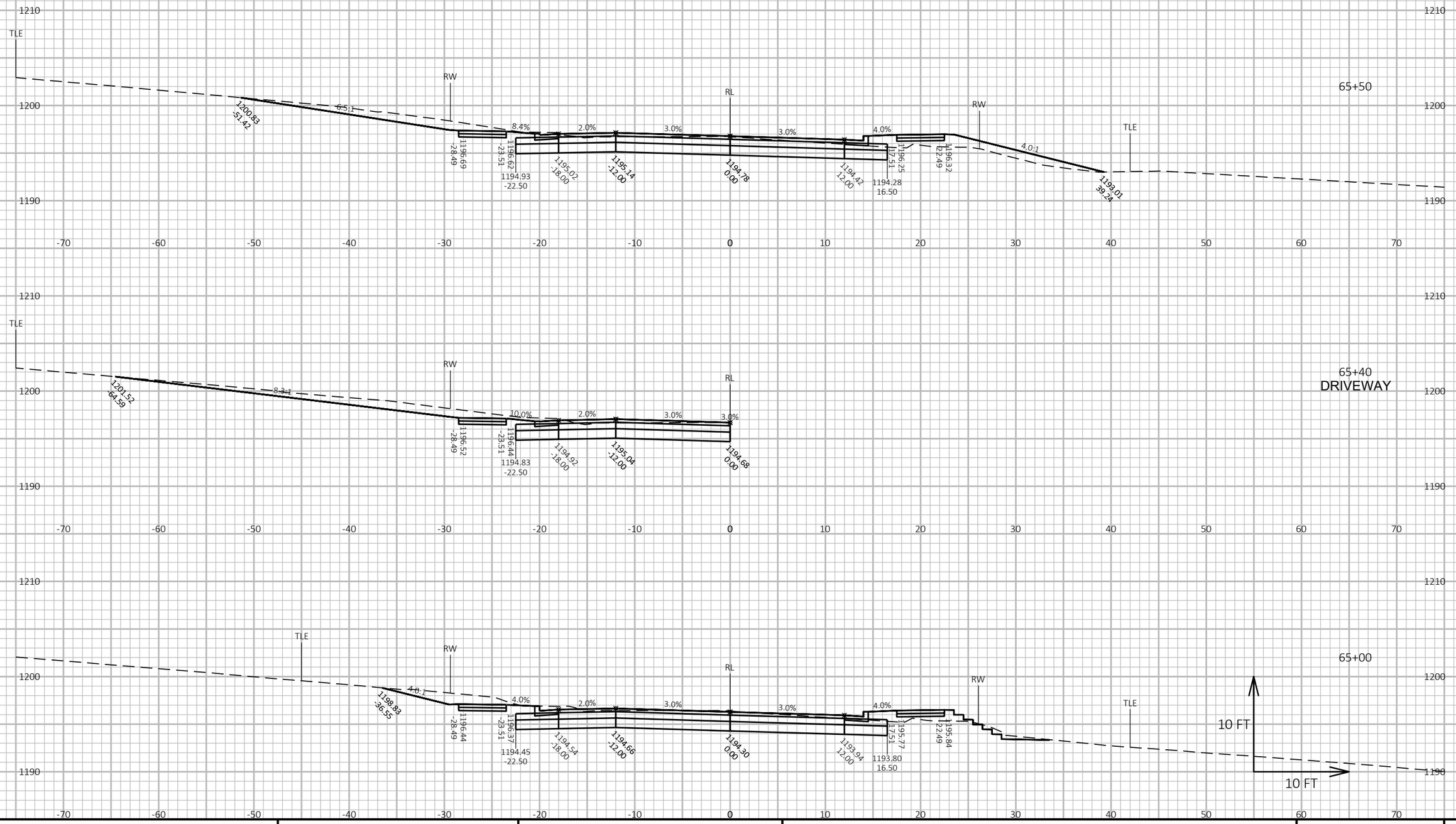
PLOT DATE : 1/31/2018 1:50 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



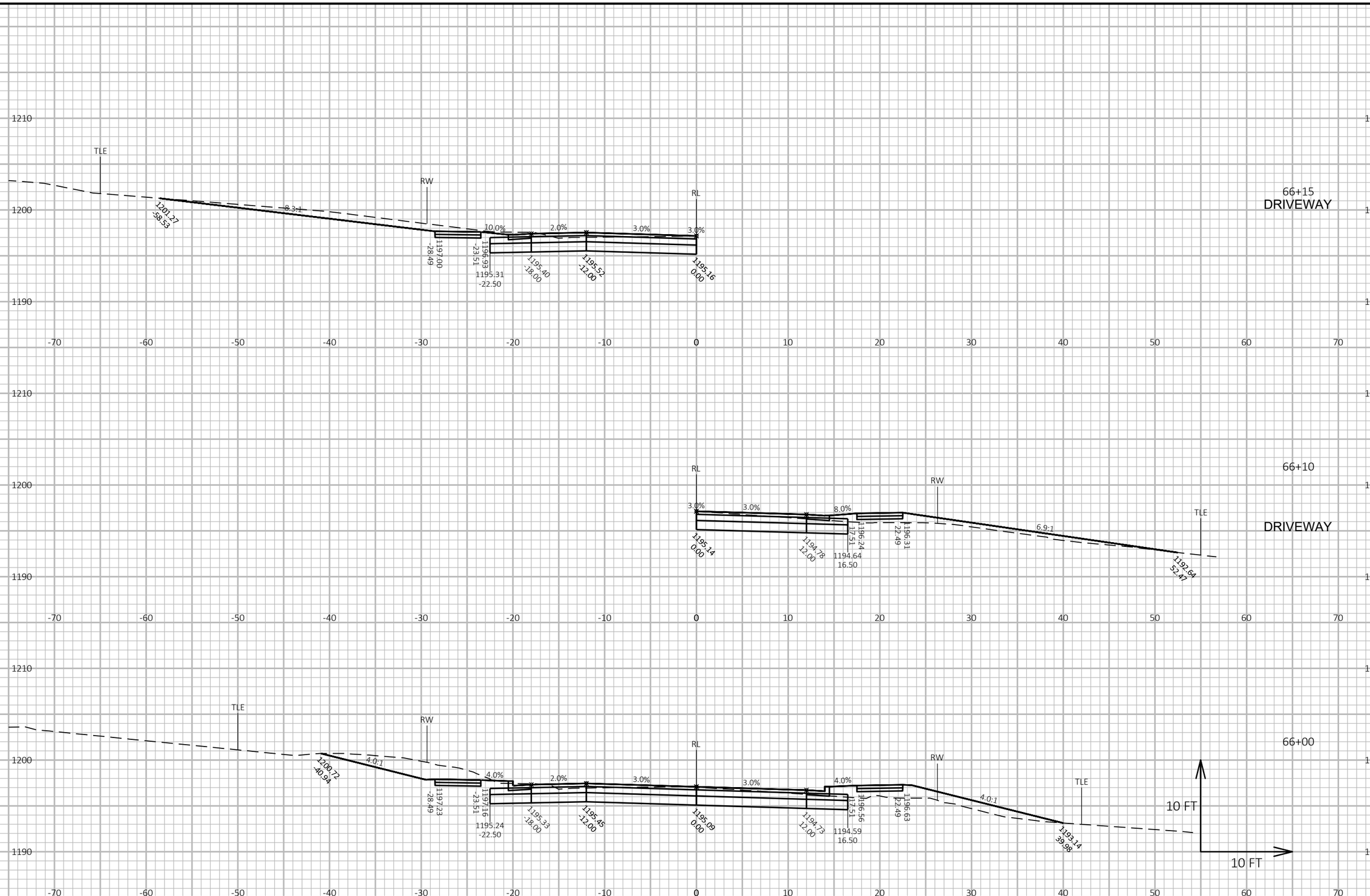
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 182	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 17

PLOT DATE : 1/31/2018 1:50 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 183	E

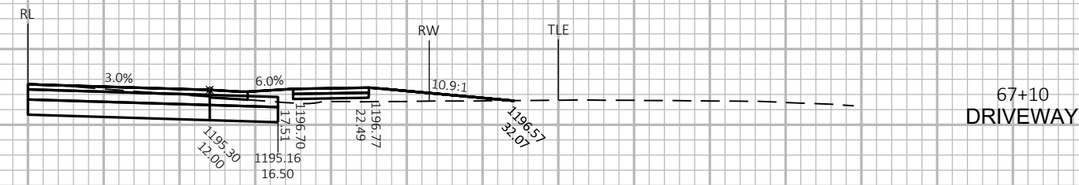
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 18

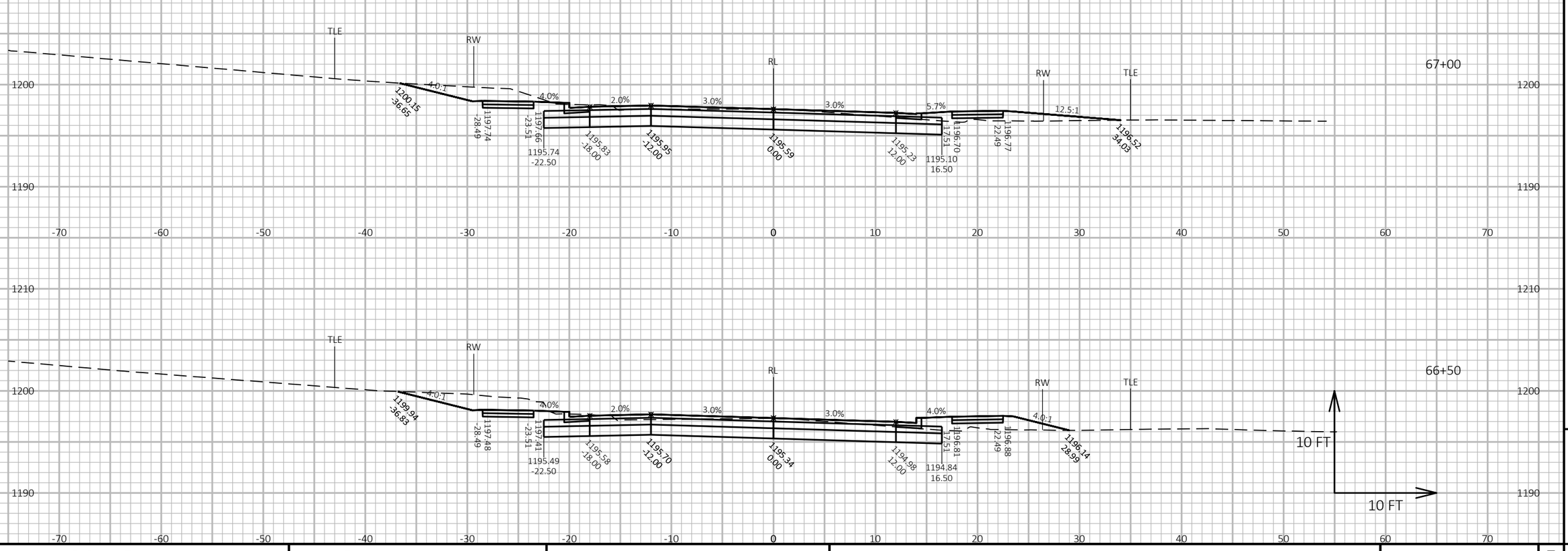
PLOT DATE : 1/31/2018 1:50 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



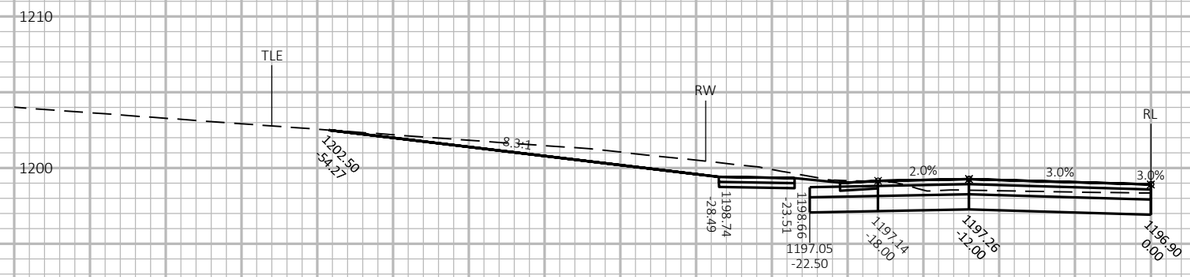


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 184	E

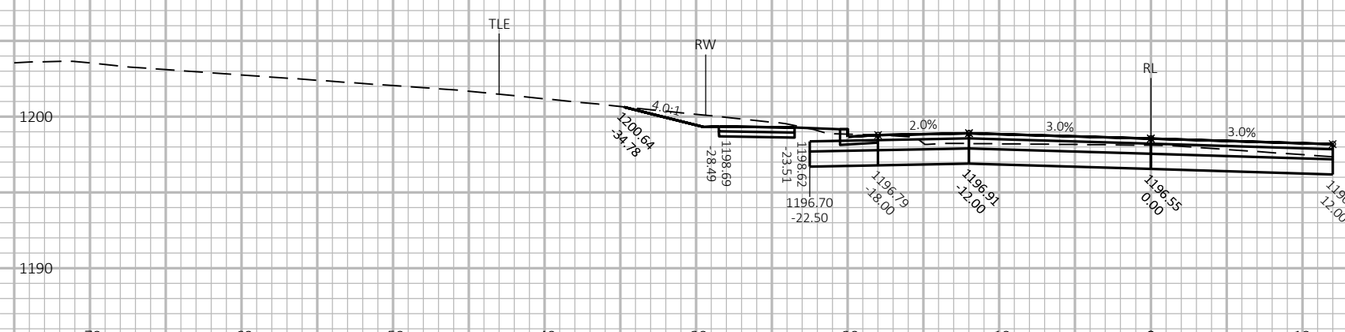
FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 19

PLOT DATE : 1/31/2018 1:51 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

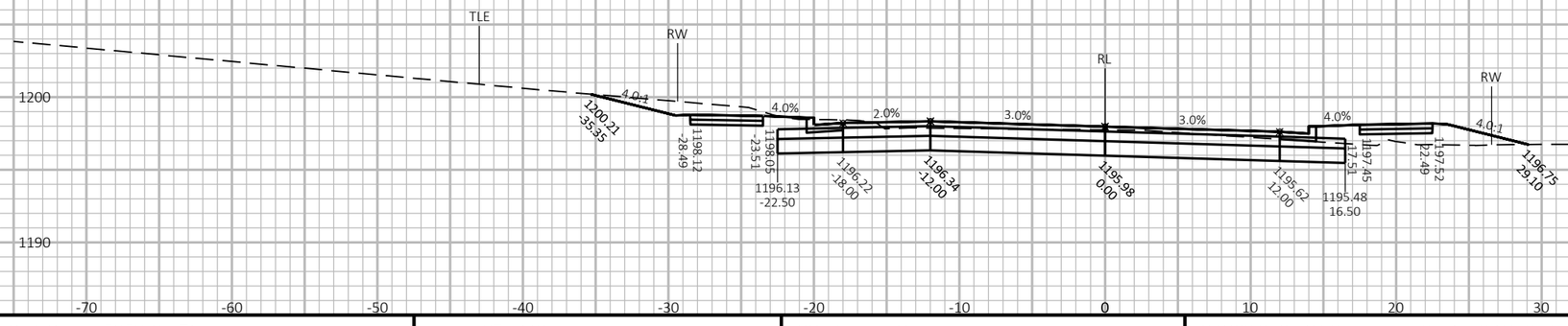
WISDOT/CADDS SHEET 49



68+25
DRIVEWAY



68+00
DRIVEWAY



67+50

10 FT
10 FT

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 185	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 20

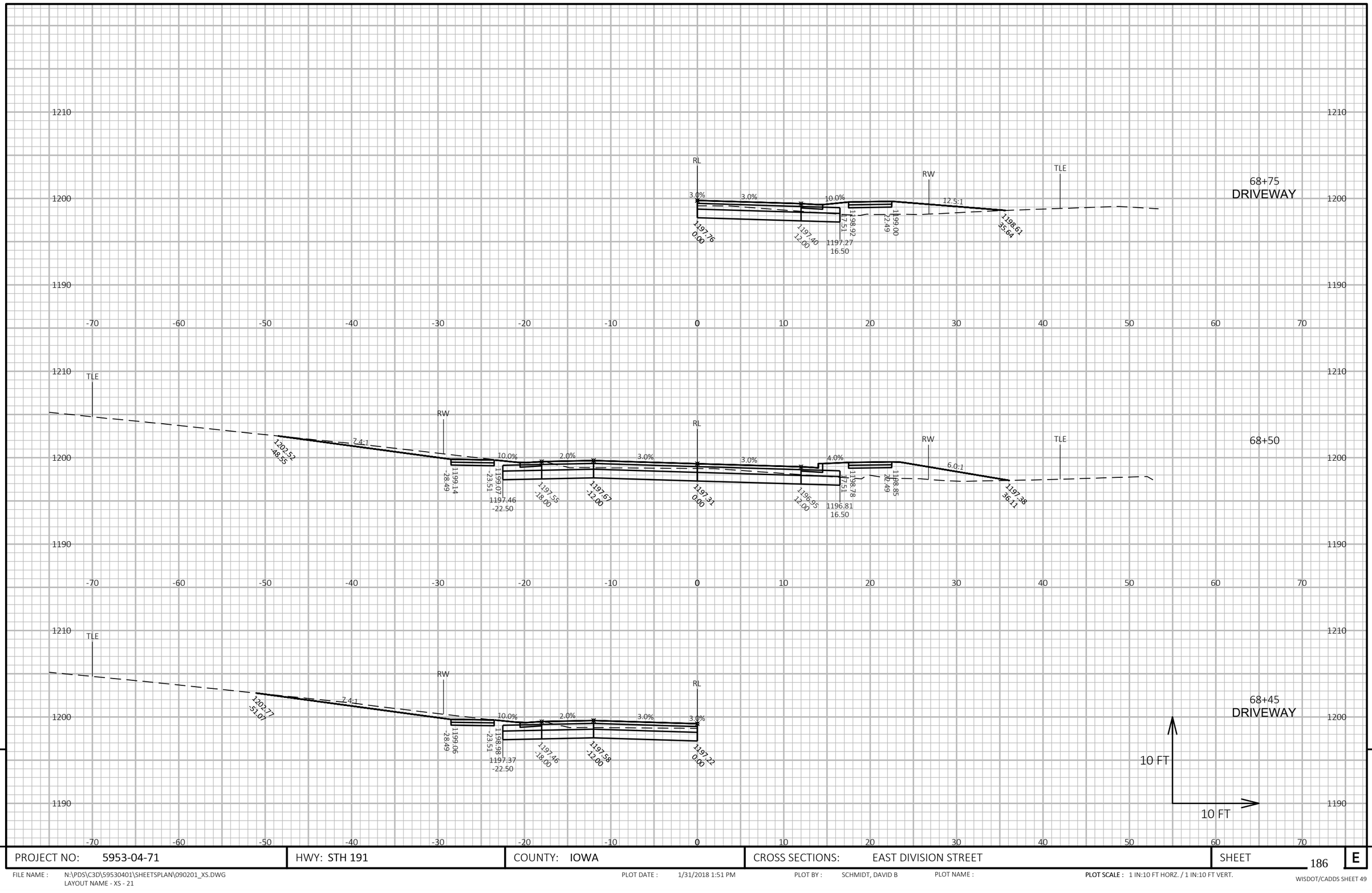
PLOT DATE : 1/31/2018 1:51 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

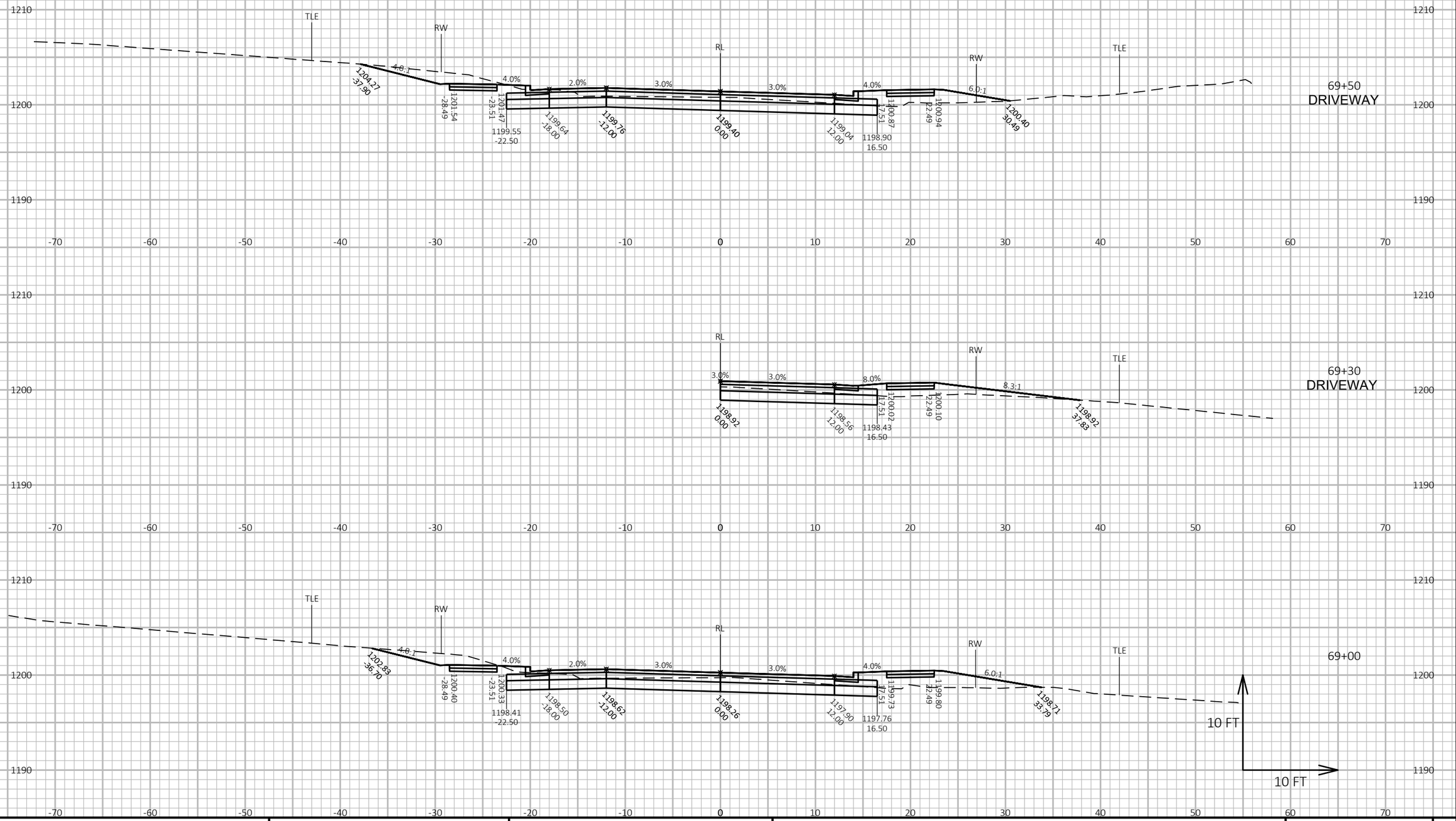
WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 186	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 21

PLOT DATE : 1/31/2018 1:51 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 187	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 22

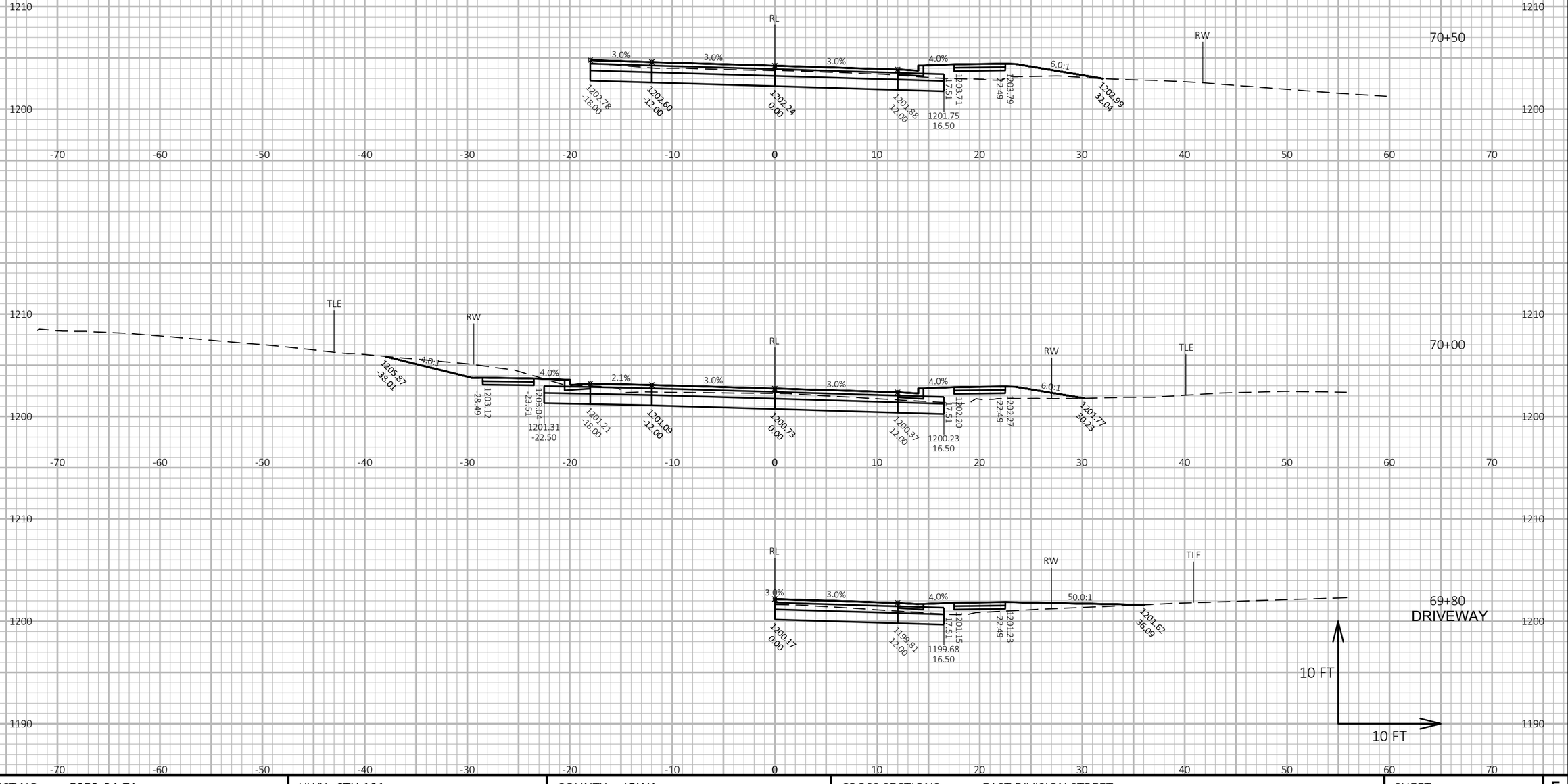
PLOT DATE : 1/31/2018 1:52 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 188	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 23

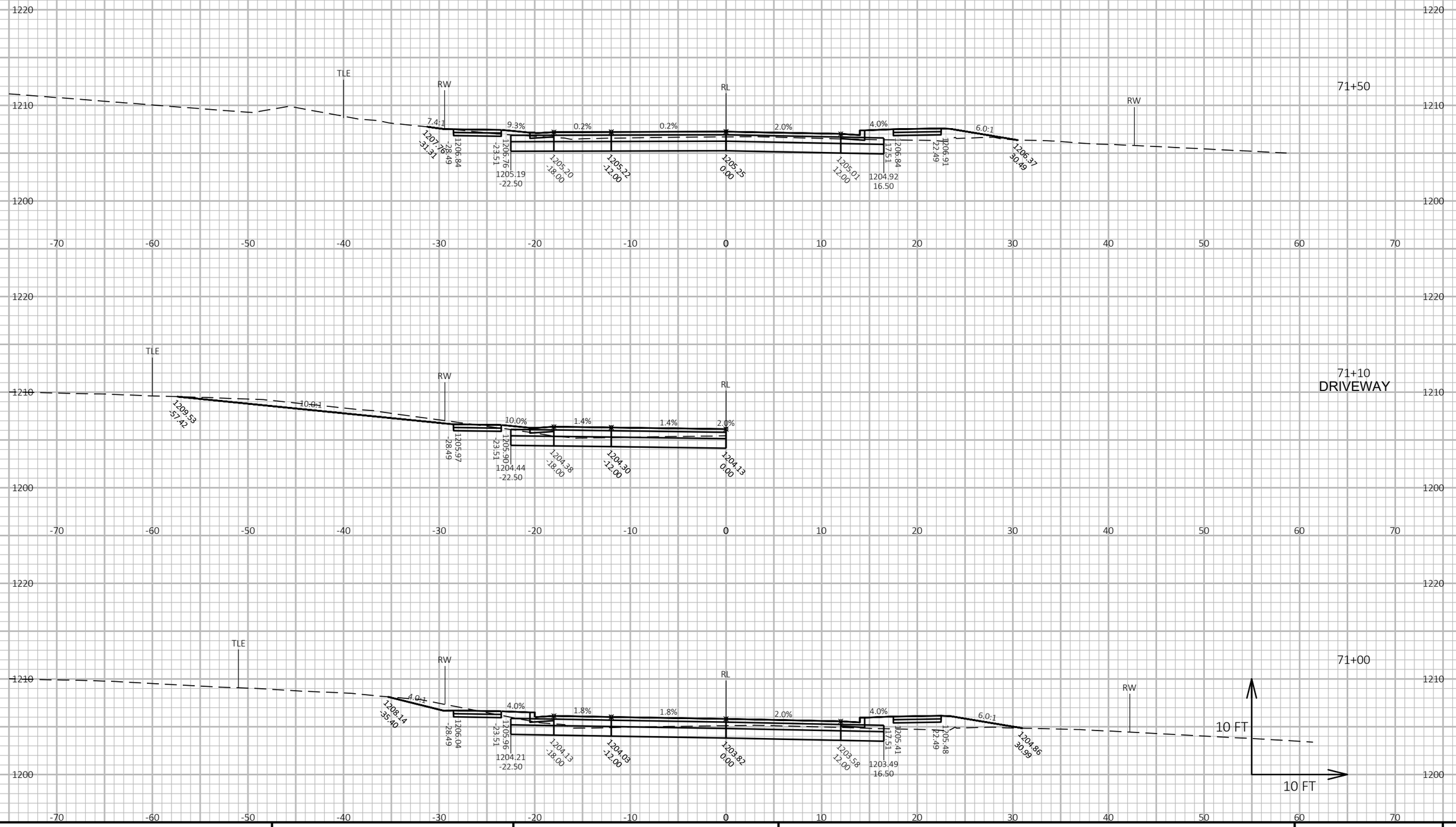
PLOT DATE : 1/31/2018 1:52 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 189	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 24

PLOT DATE : 1/31/2018 1:52 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

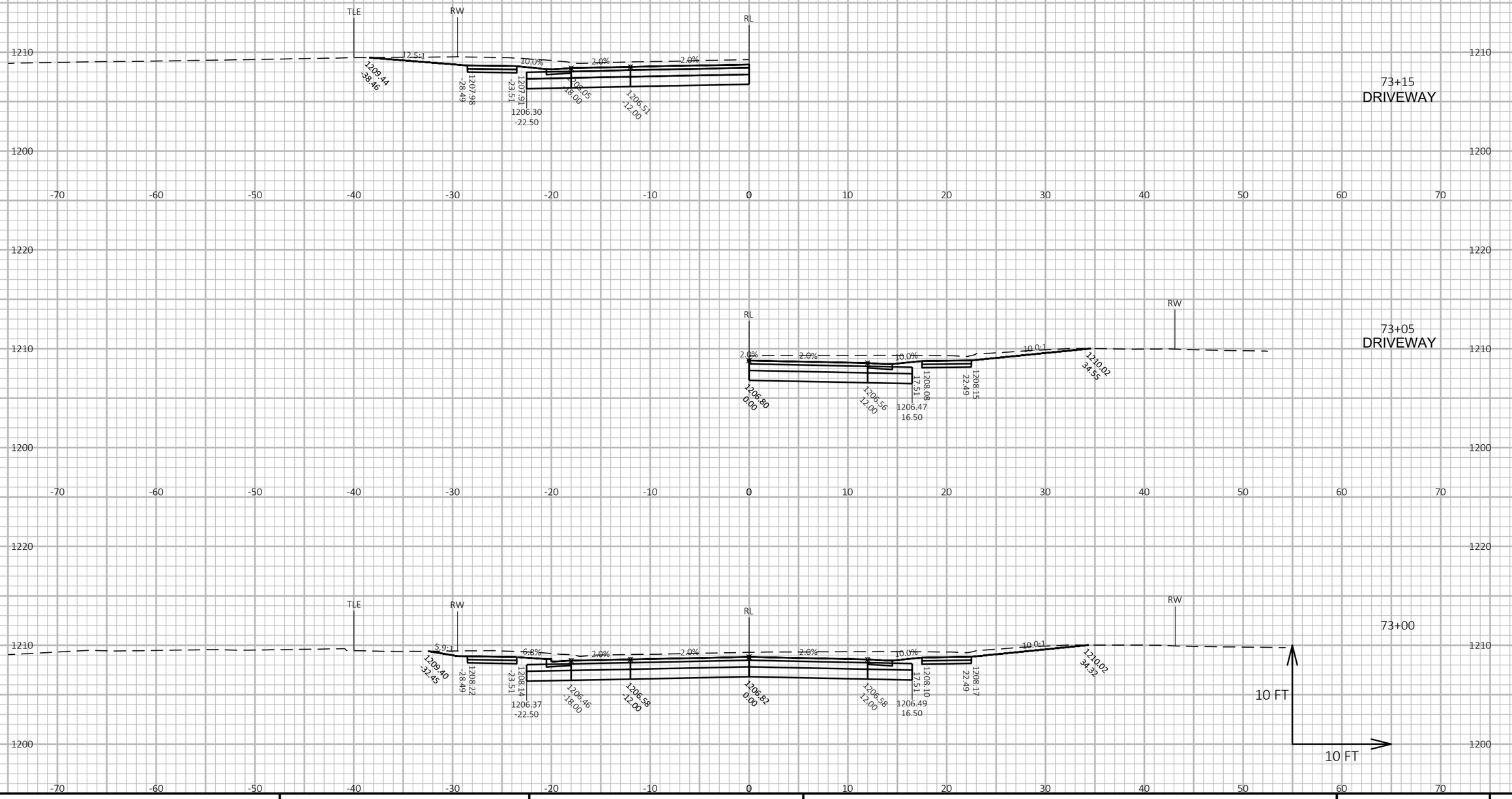
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 190	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 25

PLOT DATE : 1/31/2018 1:53 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 191	E

FILE NAME : N:\PDS\C3D\595304O1\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 26

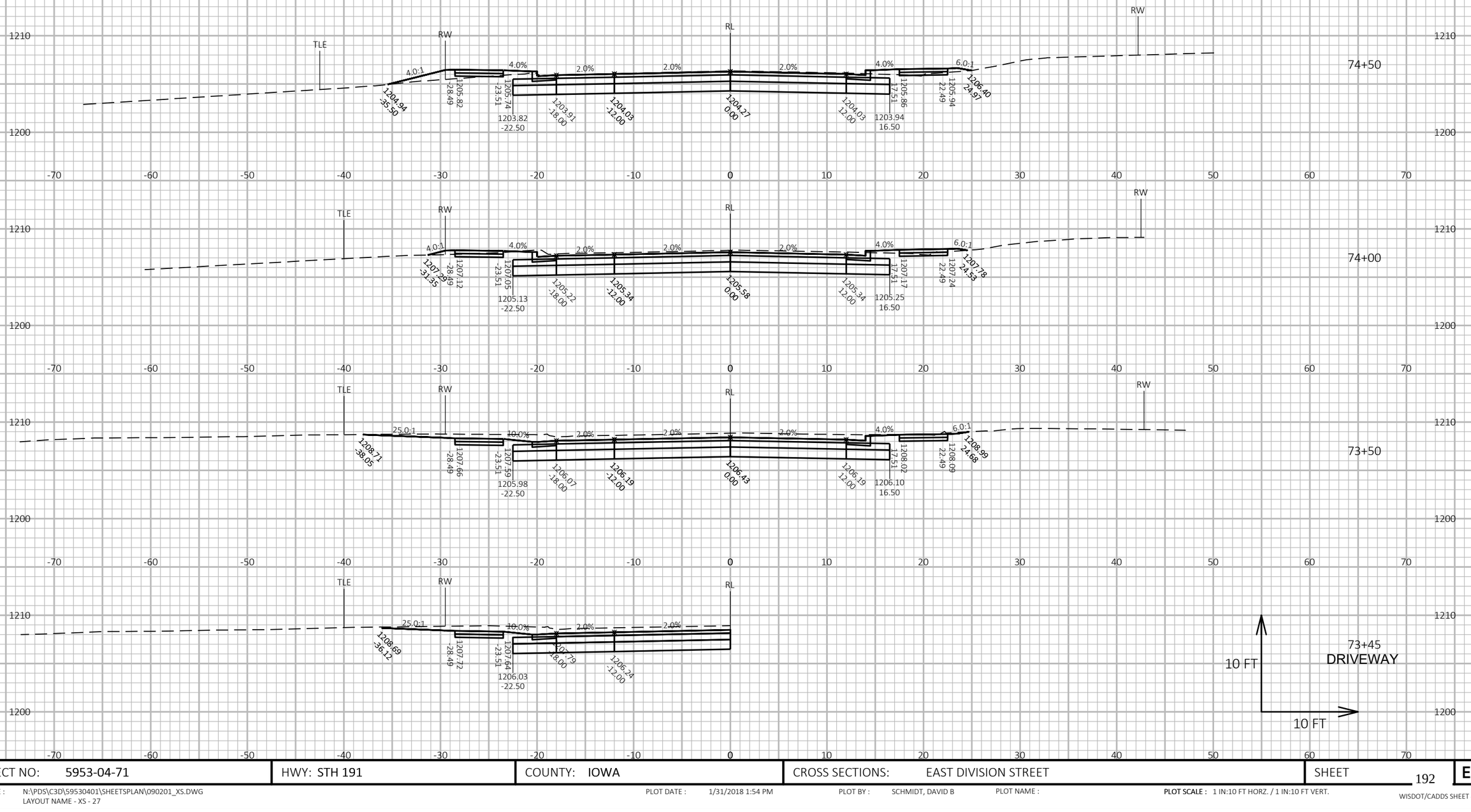
PLOT DATE : 1/31/2018 1:53 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 192	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 27

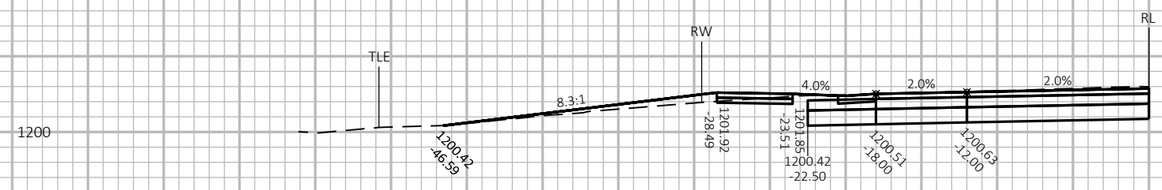
PLOT DATE : 1/31/2018 1:54 PM

PLOT BY : SCHMIDT, DAVID B

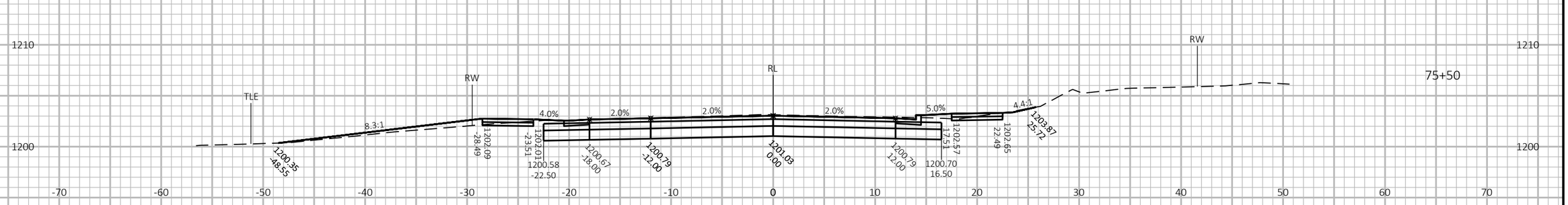
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

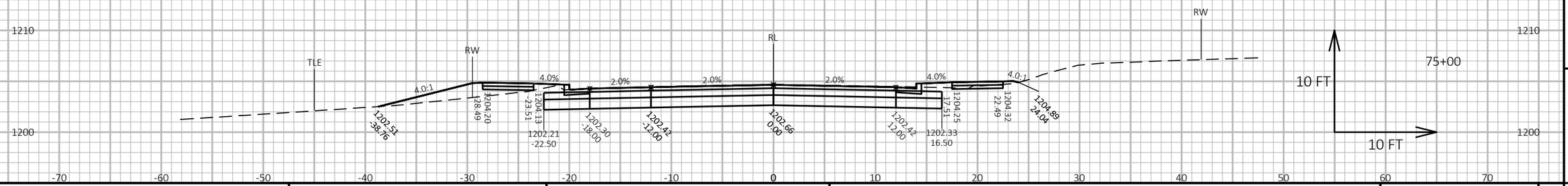
WISDOT/CADDS SHEET 49



75+55
DRIVEWAY



75+50



75+00

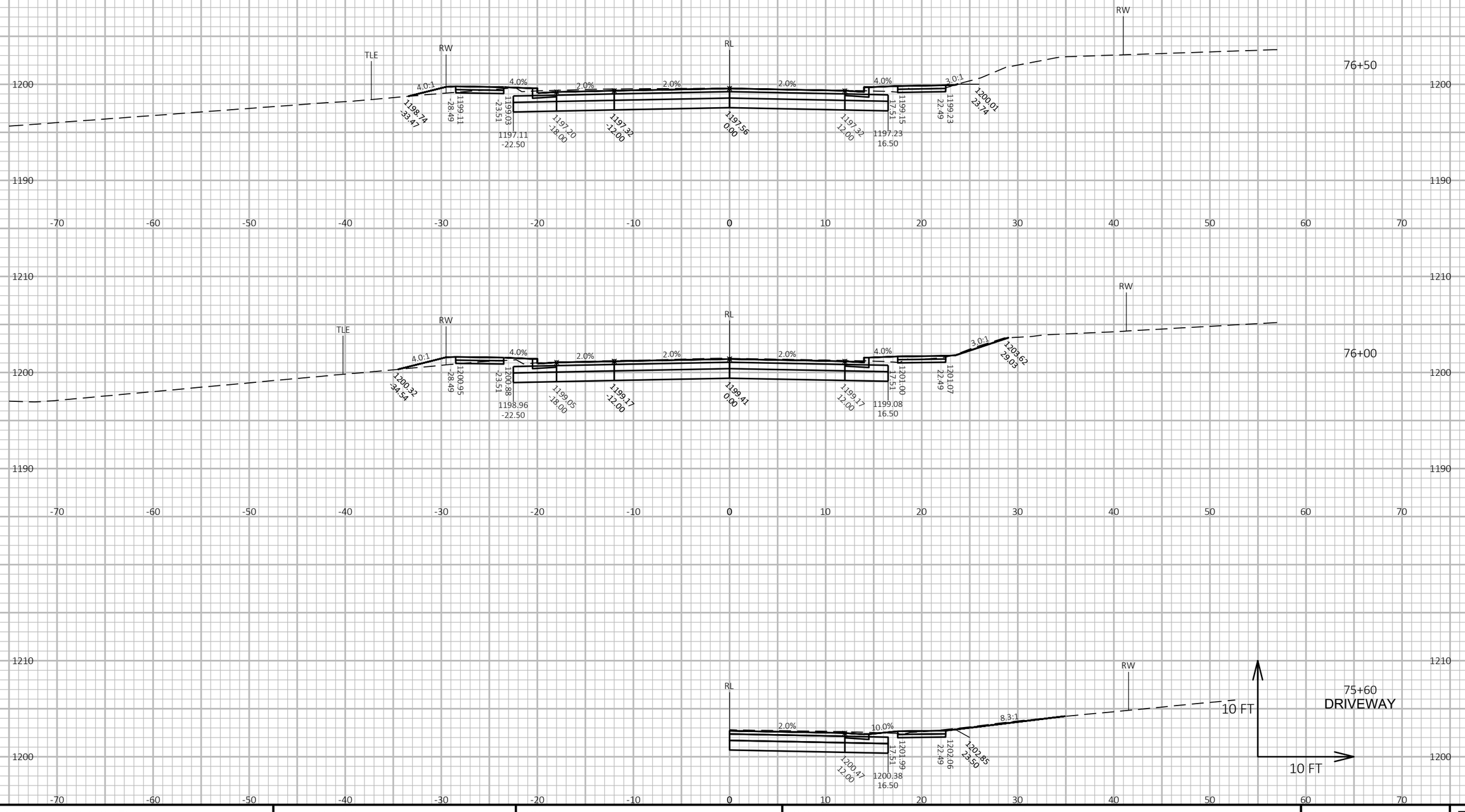
10 FT
10 FT

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 193	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 28

PLOT DATE : 1/31/2018 1:54 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

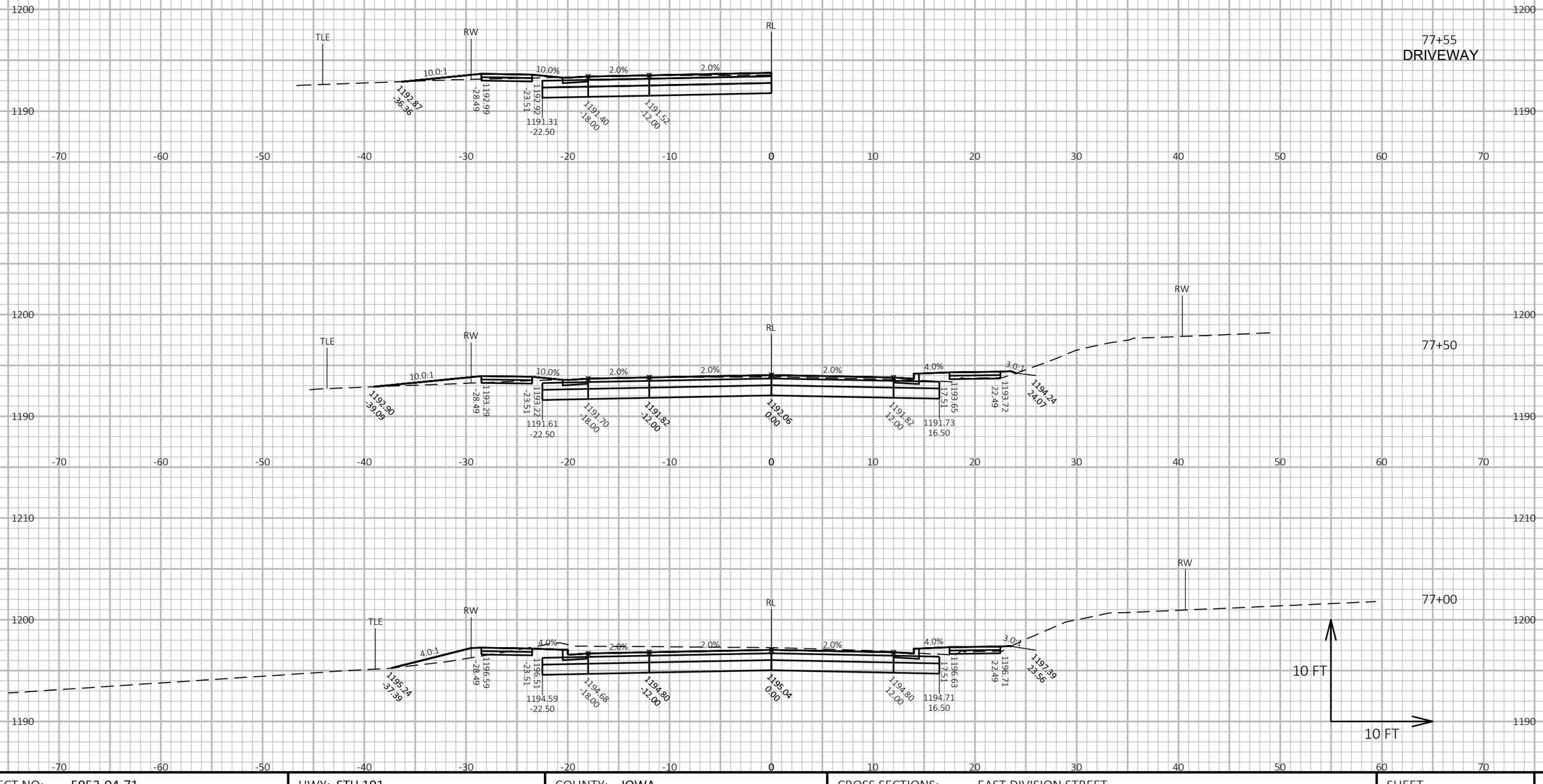
WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 194	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 29

PLOT DATE : 1/31/2018 1:54 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 195	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 30

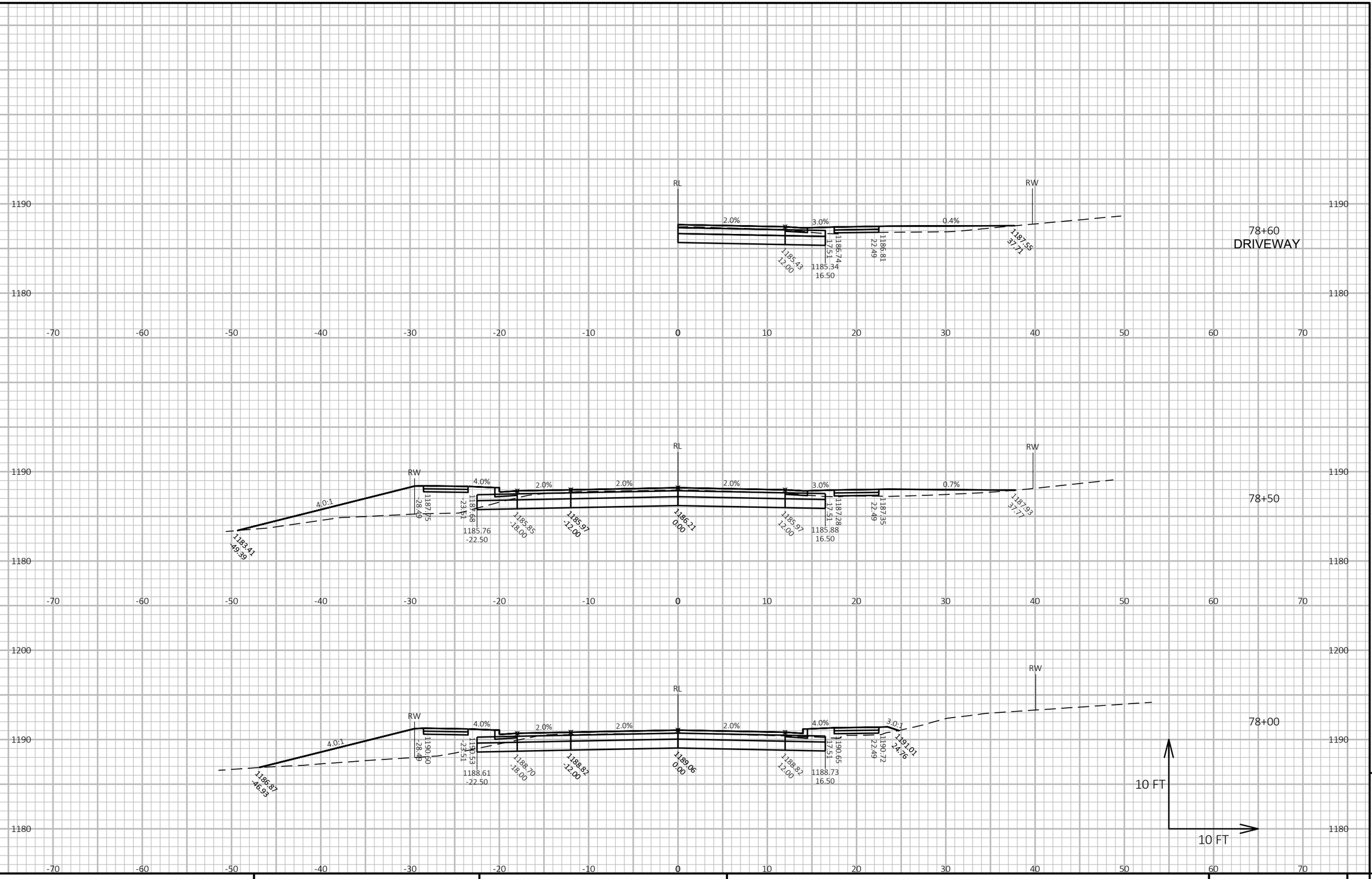
PLOT DATE : 1/31/2018 1:55 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



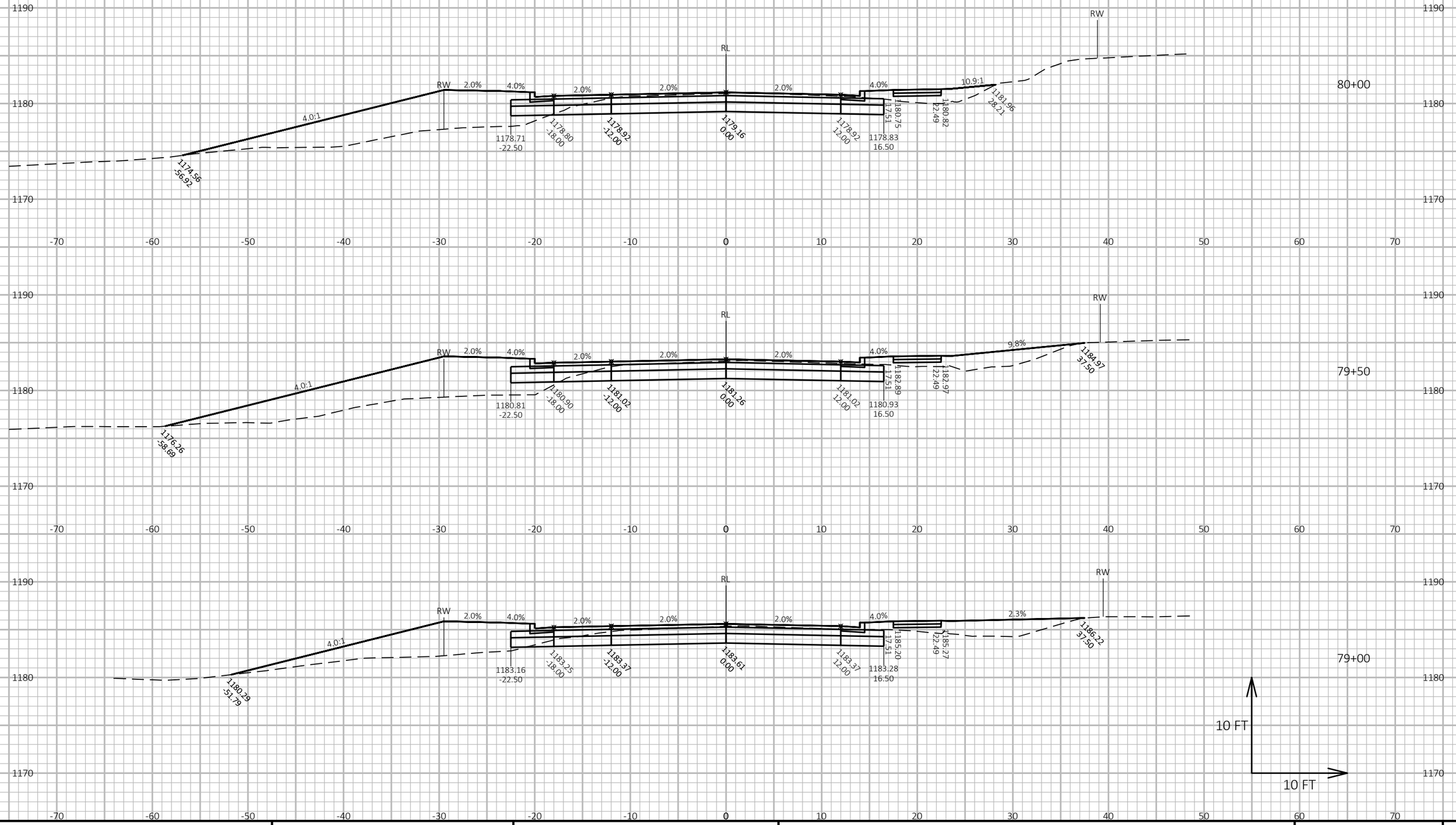
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 196	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 31

PLOT DATE : 1/31/2018 1:55 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



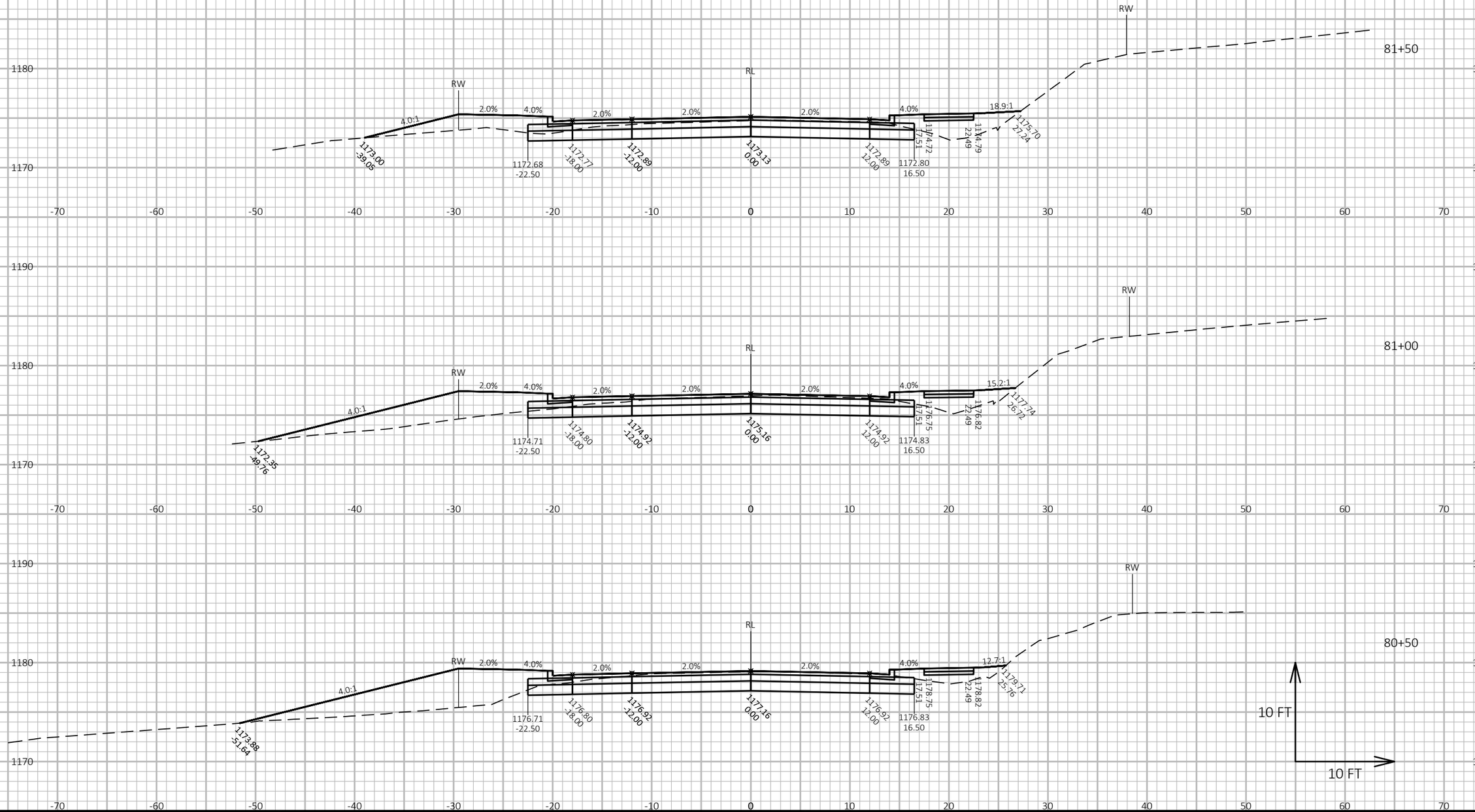
PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 197	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 32

PLOT DATE : 1/31/2018 1:55 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

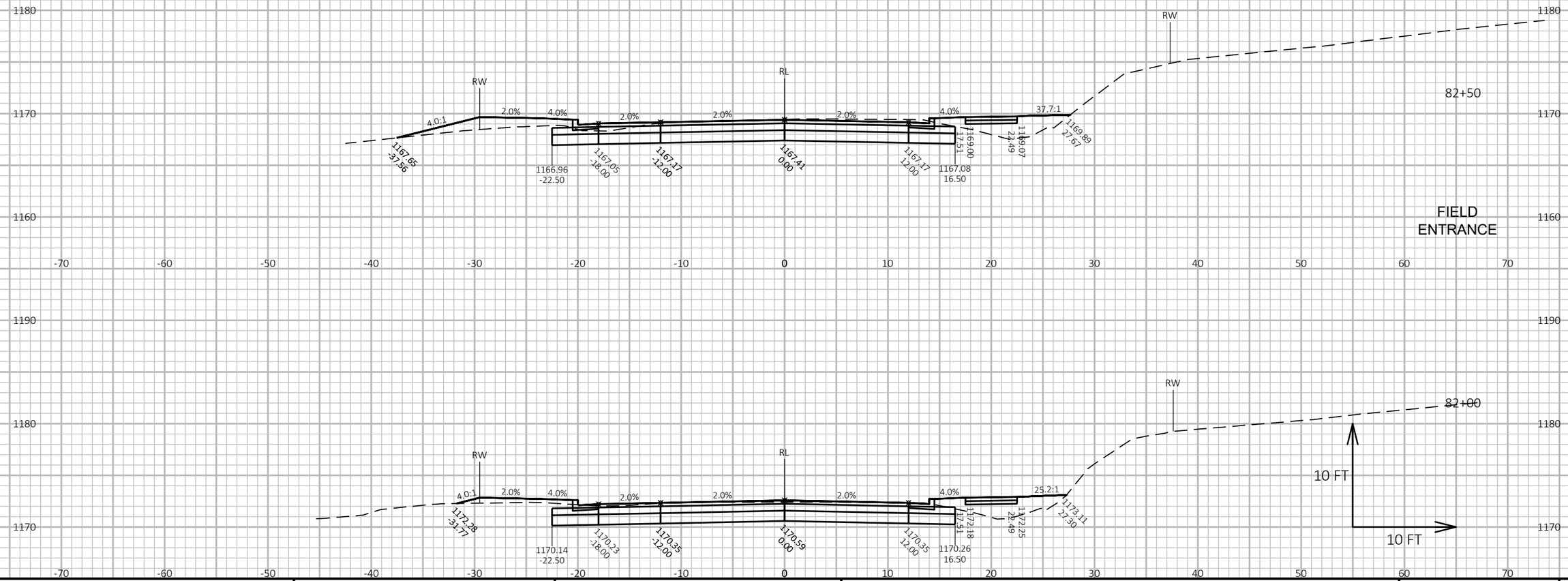


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 198	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 33

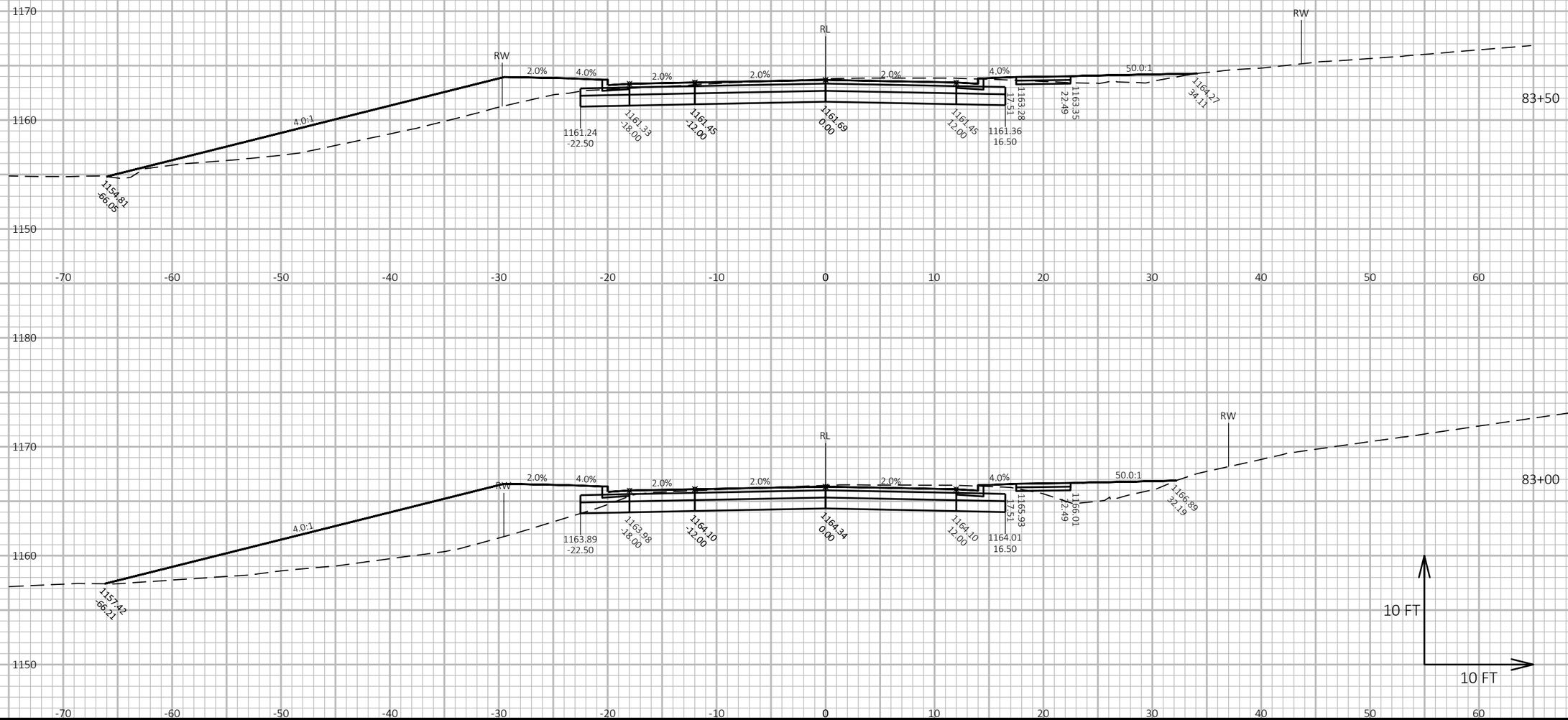
PLOT DATE : 1/31/2018 1:56 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 199	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 34
PLOT DATE : 1/31/2018 1:56 PM
PLOT BY : SCHMIDT, DAVID B
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

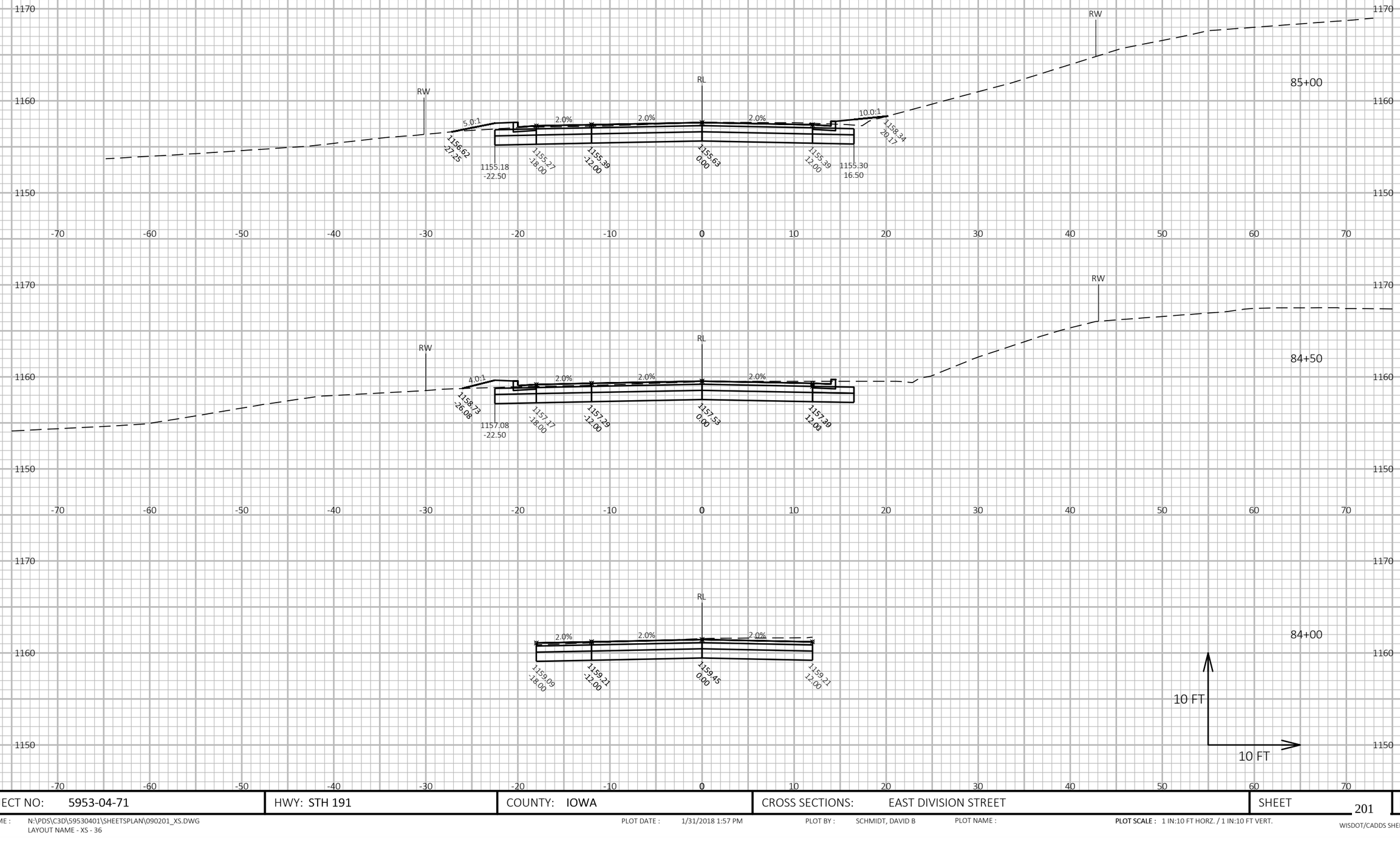


PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 200	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 35

PLOT DATE : 1/31/2018 1:57 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 201	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 36

PLOT DATE : 1/31/2018 1:57 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 202	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 37

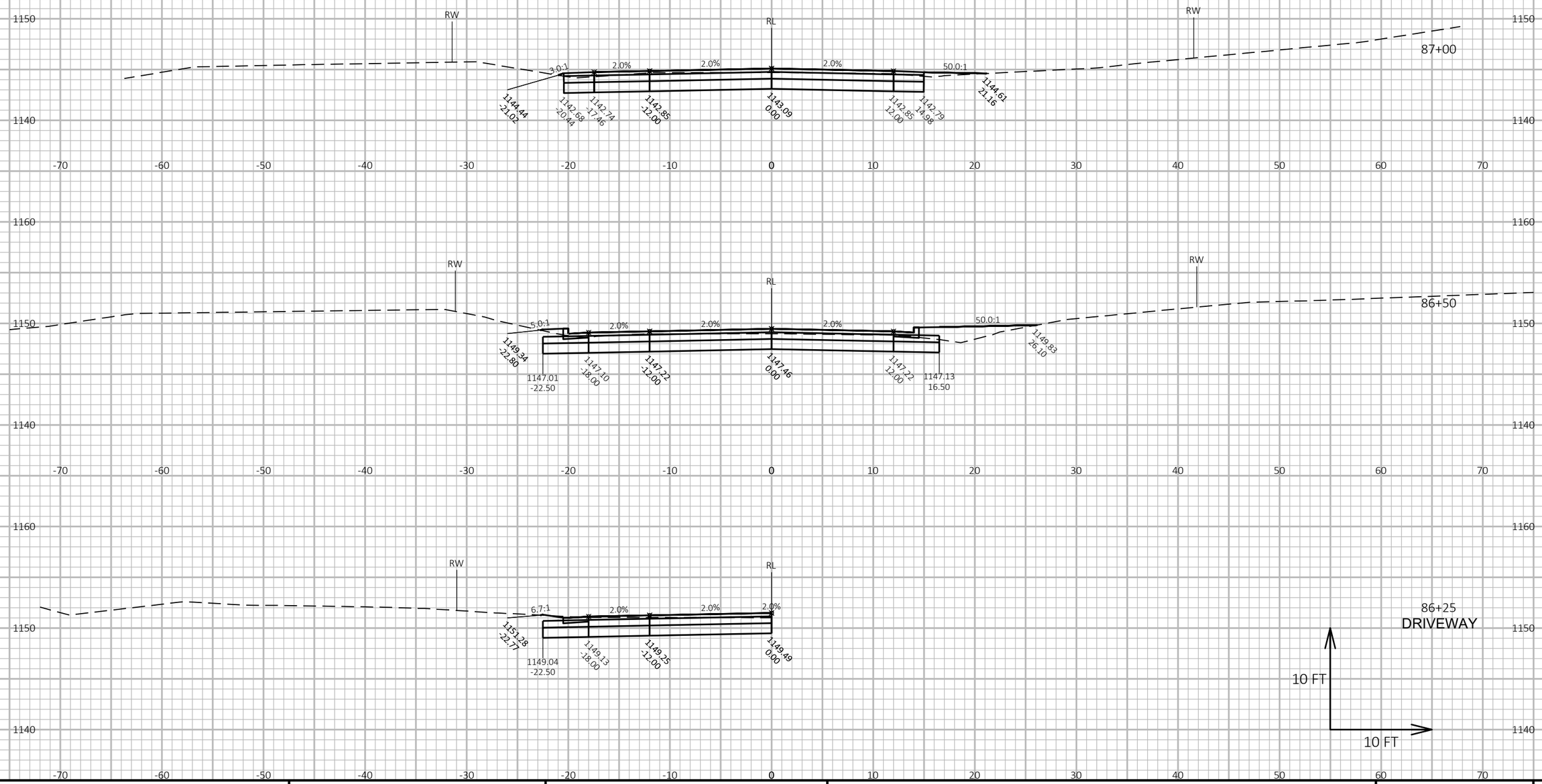
PLOT DATE : 1/31/2018 1:57 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 203	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 38

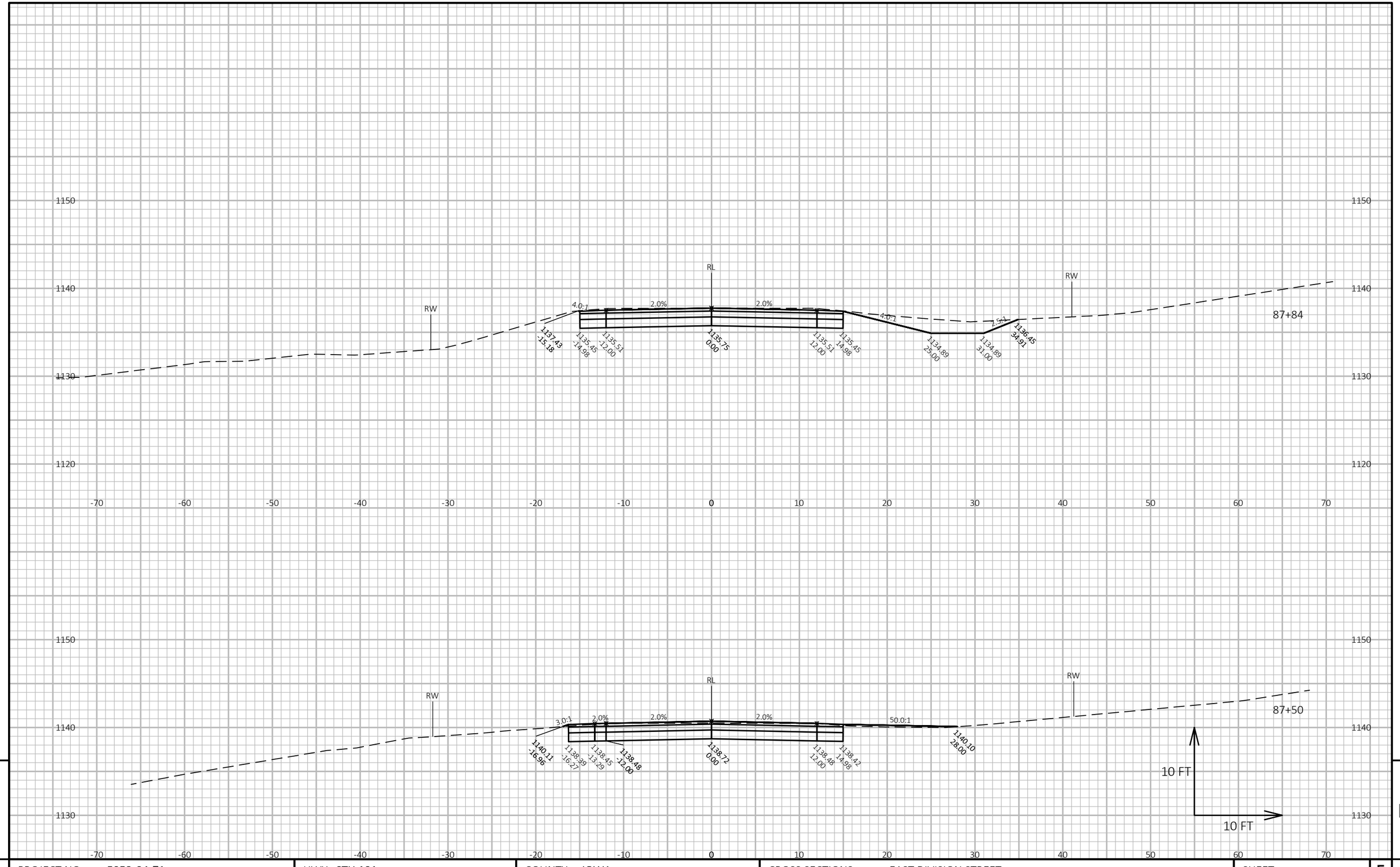
PLOT DATE : 1/31/2018 1:58 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 204	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 39

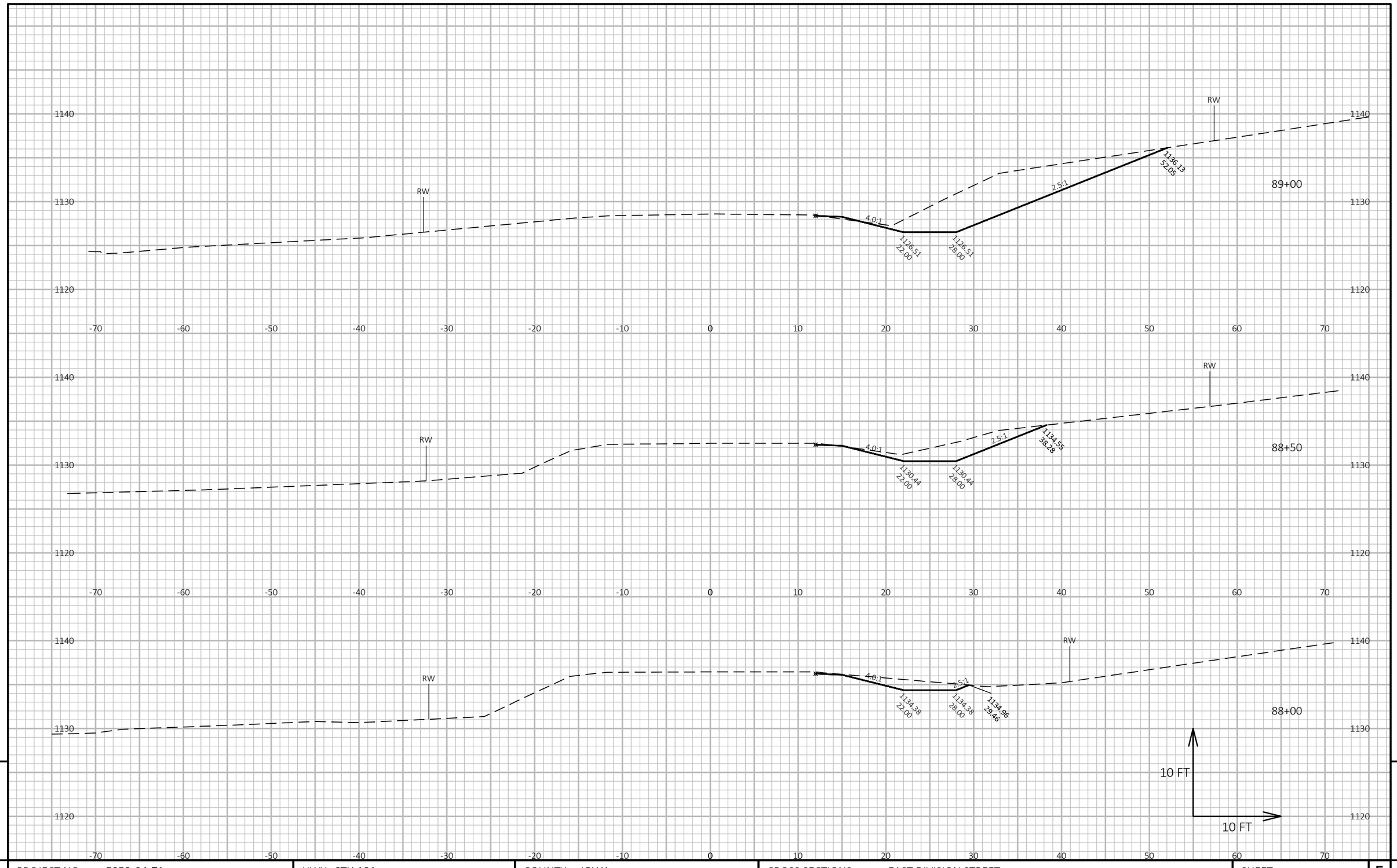
PLOT DATE : 1/31/2018 1:58 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

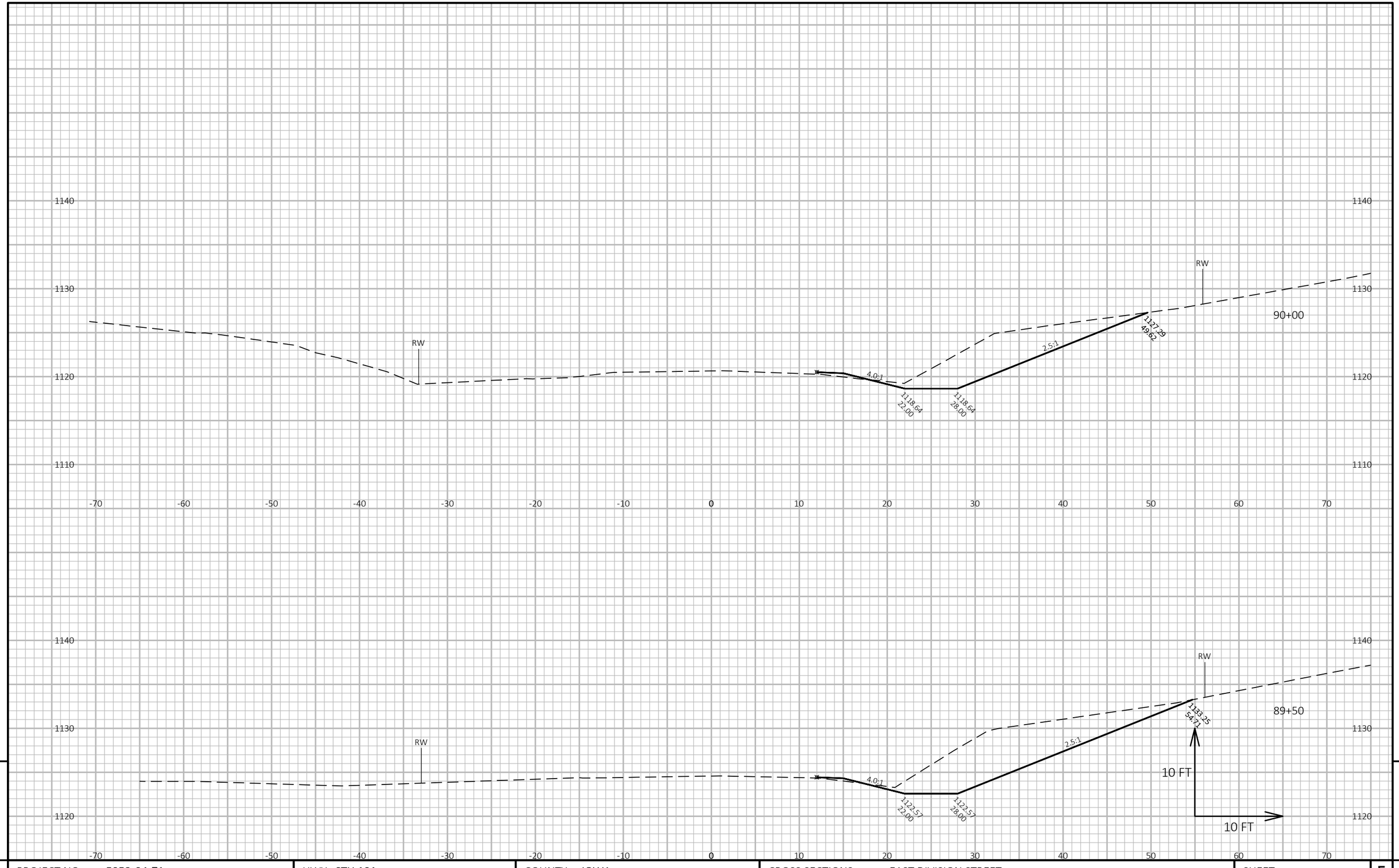
WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 205	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 40

PLOT DATE : 1/31/2018 1:58 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 206	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 41

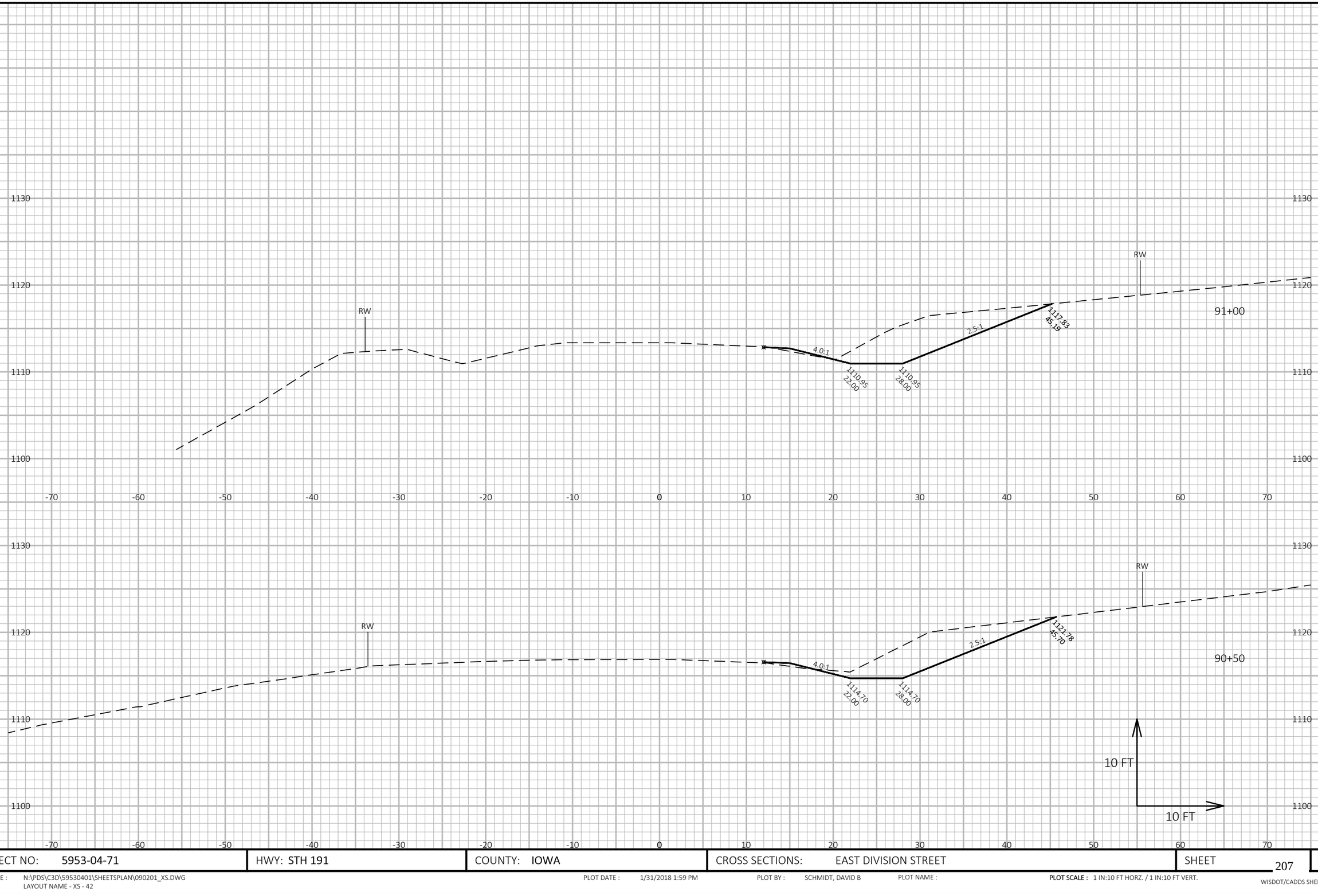
PLOT DATE : 1/31/2018 1:59 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 207	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 42

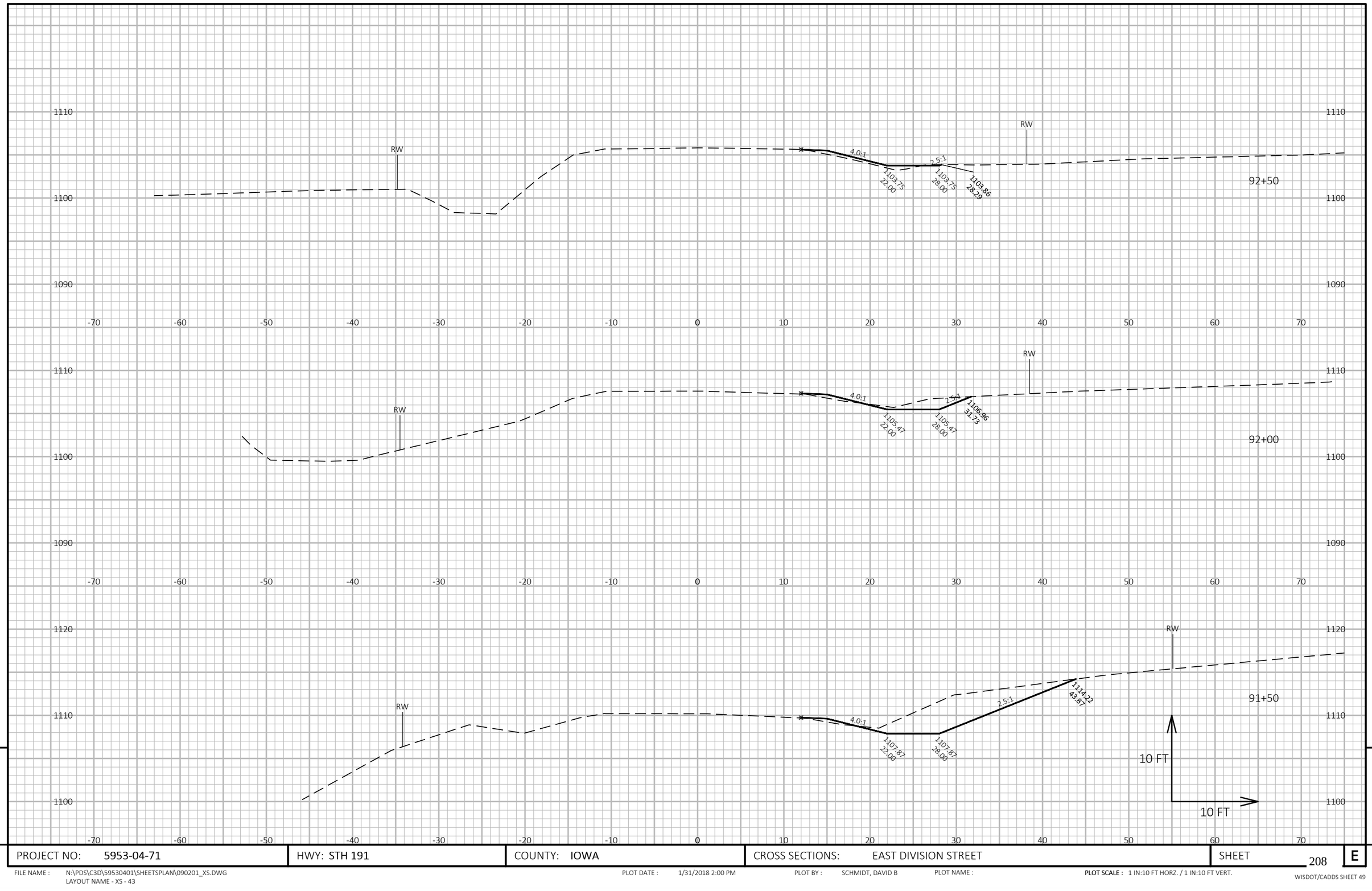
PLOT DATE : 1/31/2018 1:59 PM

PLOT BY : SCHMIDT, DAVID B

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5953-04-71	HWY: STH 191	COUNTY: IOWA	CROSS SECTIONS: EAST DIVISION STREET	SHEET 208	E

FILE NAME : N:\PDS\C3D\59530401\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - XS - 43

PLOT DATE : 1/31/2018 2:00 PM PLOT BY : SCHMIDT, DAVID B PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD

MAY 2018

ORDER OF SHEETS

Section No. 1 Title
~~Section No. 2 Typical Sections and Details (Includes Erosion~~ Control Plan)
Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
~~Section No. 4 Right of Way Plat~~
Section No. 5 Plan and Profile
~~Section No. 6 Standard Detail Drawings~~
~~Section No. 7 Sign Plates~~
~~Section No. 8 Structure Plans~~
~~Section No. 9 Computer Earthwork Data~~
~~Section No. 9 Cross Sections~~

TOTAL SHEETS = 22

PROJECT ID: 5953-04-72

WITH: 5953-04-71

COUNTY: IOWA

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5953-04-72	———	—

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C DODGEVILLE, E DIVISION STREET

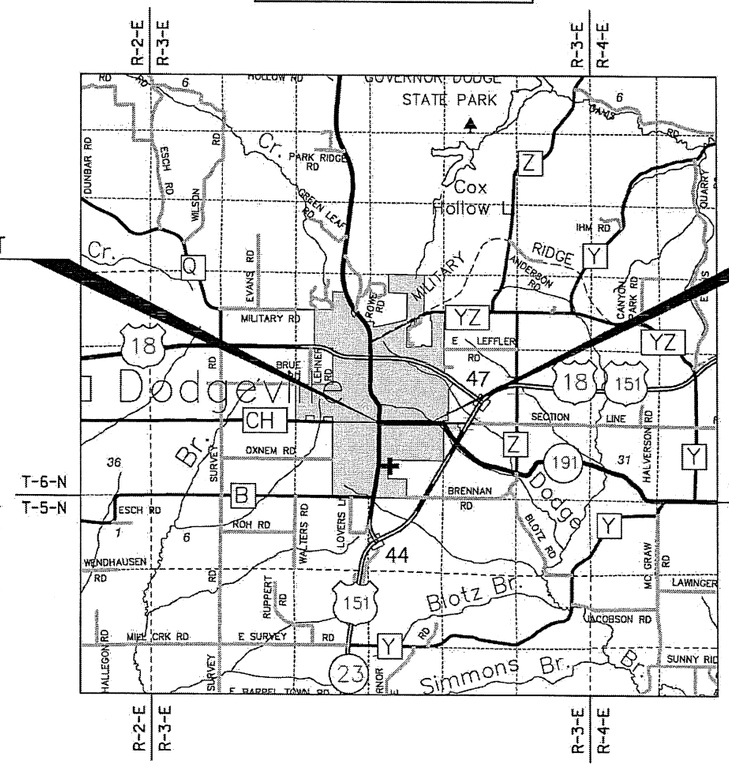
IOWA STREET TO DIAMOND OAKS

SANITARY SEWER AND WATER MAIN
STH 191
IOWA COUNTY

STATE PROJECT NUMBER
5953-04-72

DESIGN DESIGNATION

A.A.D.T.	2014	=	1,100
A.A.D.T.	2038	=	1,200
D.H.V.		=	2.8
D.D.		=	58/42
T.		=	3.3%
DESIGN SPEED		=	30 M.P.H.
ESALS		=	170,000



LAYOUT

SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.710 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, IOWA COUNTY, NAD88 (2012), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF NAVD88 (2012)

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
MARSH AREA		STORM SEWER	SS
WOODED OR SHRUB AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

ORIGINAL PLANS PREPARED BY

JEWELL
associates engineers, inc.
Engineers - Architects - Surveyors

WISCONSIN
THOMAS J. BALLWEG
E-44989-6
PRAIRIE DU SAC
WIS.
PROFESSIONAL ENGINEER
1-5-18

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor WISCONSIN DEPT. OF TRANSPORTATION
Designer JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager THOMAS BALLWEG, P.E.
Regional Examiner
Regional Supervisor KURT JOHNSON
C.O. Examiner

APPROVED FOR THE DEPARTMENT
DATE: 2/1/18
(signature)

E

LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment
AC	Acre
AGG	Aggregate
AH	Ahead
<	Angle
ASPH	Asphaltic
AVG	Average
ADT	Average Daily Traffic
BAD	Base Aggregate Dense
BK	Back
BF	Back Face
BM	Bench Mark
BR	Bridge
C or C/L	Center Line
CC	Center to Center
CTH	County Trunk Highway
CR	Creek
CR	Crushed
CY or CU YD	Cubic Yard
CP	Culvert Pipe
C & G	Curb and Gutter
D	Degree of Curve
DHV	Design Hour Volume
DIA	Diameter
E	East
X	East Grid Coordinate
ELEC	Electric (al)
EL or ELEV	Elevation
ESALS	Equivalent Single Axle Loads
EBS	Excavation Below Subgrade
FF	Face to Face
FE	Field Entrance
F	Fill
FG	Finished Grade
FL or F/L	Flow Line
FT	Foot
FTG	Footing
GN	Grid North
HT	Height
CWT	Hundredweight
HYD	Hydrant
INL	Inlet
ID	Inside Diameter
INV	Invert
IP	Iron Pipe or Pin
IRS	Iron Rod Set
JT	Joint
JCT	Junction
LHF	Left–Hand Forward
L	Length of Curve
LIN FT or LF	Linear Foot
LC	Long Chord of Curve
MH	Manhole
MB	Mailbox
ML or M/L	Match Line
N	North
Y	North Grid Coordinate
OD	Outside Diameter
PLE	Permanent Limited Easement
PT	Point
PC	Point of Curvature
PI	Point of Intersection
PRC	Point of Reverse Curvature
PT	Point of Tangency
POC	Point On Curve
POT	Point on Tangent
PVC	Polyvinyl Chloride
PCC	Portland Cement Concrete
LB	Pound
PSI	Pounds Per Square Inch
PE	Private Entrance
R	Radius
RR	Railroad
R	Range
RL or R/L	Reference Line
RP	Reference Point
RCCP	Reinforced Concrete Culvert Pipe
REQD	Required
RES	Residence or Residential
RW	Retaining Wall
RT	Right
RHF	Right–Hand Forward
R/W	Right–of–Way
R	River
RD	Road
RDWY	Roadway
SALV	Salvaged
SAN S	Sanitary Sewer
SEC	Section
SHLDR	Shoulder
SHR	Shrinkage
SW	Sidewalk
S	South
SQ	Square
SF or SQ FT	Square Feet
SY or SQ YD	Square Yard
STD	Standard
SDD	Standard Detail Drawings
STH	State Trunk Highways
STA	Station
SS	Storm Sewer
SG	Subgrade
SE	Superelevation
SL or S/L	Survey Line
SV	Septic Vent
T	Tangent
TEL	Telephone
TEMP	Temporary
TI	Temporary Interest
TLE	Temporary Limited Easement
t	Ton
T or TN	Town
TRANS	Transition
TL or T/L	Transit Line
T	Trucks (percent of)
TYP	Typical
UNCL	Unclassified
UG	Underground Cable
USH	United States Highway
VAR	Variable
V	Velocity or Design Speed
VERT	Vertical
VC	Vertical Curve
VOL	Volume
WM	Water Main
WV	Water Valve
W	West
WB	Westbound
YD	Yard

UTILITIES

ELECTRIC
ALLIANT ENERGY
4902 N BILTMORE LANE, SUITE 1000
MADISON, WI 53718
PH: (608) 458–8184
ATTN: CRAIG HENDRICKS
EMAIL: craighendricks@alliantenergy.com

GAS
ALLIANT ENERGY
4902 N BILTMORE LANE, SUITE 1000
MADISON, WI 53718
PH: (608) 458–8184
ATTN: CRAIG HENDRICKS
EMAIL: craighendricks@alliantenergy.com

WATER/SANITARY SEWER/STORM SEWER
CITY OF DODGEVILLE
100 E. FOUNTAIN STREET
DODGEVILLE, WI 53533
PH: (608) 930–1011
ATTN: GREG LEE
EMAIL: glee@ci.dodgeville.wi.us

COMMUNICATION LINE
CHARTER COMMUNICATIONS
2701 DANIELS STREET
MADISON, WI 53718
PH: (608) 274–3822
ATTN: BRANDON STORM
EMAIL: brandon.storm@chartercom.com

FRONTIER COMMUNICATIONS OF WI, LLC
107 PLEASANTVIEW DRIVE
PLYMOUTH, WI 53073
PH: (920) 893–7212
ATTN: RUSS RYAN
EMAIL: russel.w.ryan@ftr.com

MOUNT HOREB TELEPHONE COMPANY
200 E MAIN STREET
MOUNT HOREB, WI 53572
PH: (608) 437–6770
ATTN: KEVIN MAYNE
EMAIL: kevin.mayne@mhtcinc.com

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

* DENOTES UTILITY IS NOT A MEMBER OF DIGGERS HOTLINE

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND ENSURE PROPER CLEARANCE OF NEW UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR REGARDLESS OF THE LOCATION MARKED IN THE FIELD OR SHOWN ON THE PLANS.

THE COST OF CONNECTING WATER MAIN OR SANITARY SEWER TO EXISTING PIPE OR STRUCTURES SHALL BE INCIDENTAL TO THE COST OF INSTALLING THE WATER MAIN OR SANITARY SEWER.

WATER AND SANITARY SEWER SERVICES SHALL NOT BE DISCONNECTED UNTIL DIRECTED BY THE ENGINEER.

SEWER AND WATER LATERAL LOCATIONS AS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL LATERALS. TRACER WIRE SHALL BE INSTALLED ON ALL SEWER LATERALS.

ALL EXCESS MATERIAL GENERATED DURING UTILITY CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFF SITE.

CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS/RESIDENTS REGARDING ACCESS TO DRIVEWAYS. COORDINATION SHALL OCCUR PRIOR TO LIMITING ACCESS.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES. THE CONTRACTOR SHALL CONDUCT THE CONSTRUCTION IN A TIMELY MANNER, AND IN A WAY THAT WILL LEAST AFFECT PROPERTY OWNERS. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS/RESIDENTS AND UTILITY REGARDING ANY DISRUPTION TO WATER OR SEWER SERVICE. COORDINATION SHALL OCCUR PRIOR TO SHUTTING OFF SERVICE.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BYPASS PUMPING OR SEWER AROUND WORK AREA AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF INSTALLING MAINS.

REMOVAL OR ABANDONMENT OF ALL EXISTING STORM SEWER, SANITARY SEWER AND WATER MAIN THAT IS TO BE ABANDONED OR REMOVED SHALL BE DONE AT NO COST. THESE REMOVALS OR ABANDONMENTS SHALL BE CONSIDERED INCIDENTAL TO STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION.

ALL FRAMES, GRATES, AND LIDS FROM SANITARY AND STORM SEWER STRUCTURES TO BE REMOVED OR ABANDONED SHALL BE CAREFULLY SALVAGED AND SHALL BE DELIVERED TO THE CITY SHOP AND SHALL REMAIN THE PROPERTY OF THE CITY.

ALL FITTINGS, TEES, CROSSES, REDUCERS, RESTRAINTS, ETC... SHALL BE CONSIDERED INCIDENTAL TO THE WATER MAIN CONSTRUCTION AND NO PAYMENT WILL BE MADE FOR SAID ITEMS. IF PVC WATER MAIN IS SPEC'D ALL TRACER WIRE AND NECESSARY APPURTENANCES SHALL ALSO BE CONSIDERED INCIDENTAL TO THE WATER MAIN CONSTRUCTION AND NO PAYMENT WILL BE MADE FOR SAID ITEMS. A TRACER WIRE BOX WILL BE REQUIRED AT THE HYDRANT AS SHOWN IN THE DETAILS.

ANY HYDRANTS OR WATER VALVES TO BE REMOVED SHALL BE CAREFULLY SALVAGED AND SHALL BE DELIVERED TO THE CITY SHOP AND SHALL REMAIN THE PROPERTY OF THE CITY.

THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST ALL INLET COVERS, MANHOLE COVERS, WATER VALVES AND CURB BOXES TO FINAL GRADE.

IF TRAFFIC FLOW IS INTERRUPTED ON THE CITY GARBAGE COLLECTION DAY IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE GARBAGE COLLECTION WITH THE CITY'S GARBAGE COLLECTION PROVIDER.

ADJUSTING RINGS USED FOR SANITARY SEWER MANHOLES, STORM SEWER MANHOLES, AND STORM SEWER INLETS SHALL BE HDPE. NO CONCRETE RINGS WILL BE ALLOWED.

GENERAL NOTES

ALL WORK TO BE CONSTRUCTED PER GOVERNING CODES/ORDINANCES, AS AMENDED BY LOCAL AUTHORITIES. SAID CODES/ORDINANCES ARE HEREIN INCORPORATED INTO THESE DOCUMENTS. ALL CODE REQUIRED WORK TO BE INCLUDED IN CONTRACT SUM. REQUIRED CODES INCLUDE, BUT ARE NOT LIMITED TO:

- ADMINISTRATIVE CODE CHAPTER NR 811
- ADMINISTRATIVE CODE CHAPTER NR 110
- LOCAL CODES

GENERAL NOTES ARE INTENDED TO CLARIFY OR EMPHASIZE THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS AND THESE NOTES, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT REQUIREMENT.

ALL WORK TO BE PERFORMED IN A MANNER SO AS TO HAVE A MINIMUM OF DISRUPTION AND DISTURBANCE WITH EXISTING OPERATIONS AND LOCAL ENVIRONMENT. NOISE AND DUST SHALL BE KEPT TO AN ABSOLUTE MINIMUM.

DO NOT SCALE DRAWINGS.

PERMITS ARE TO BE KEPT ON–SITE AT ALL TIMES.

DETAILS AND NOTES OF SIMILAR CONDITIONS ARE TYPICAL WHETHER OR NOT CALLED OUT AT ALL PLACES. REFERENCE TO ANY DETAIL OR DRAWINGS IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT THE APPLICATION OF SUCH DETAIL OR DRAWING.

SYSTEMS SHOWN ON DRAWINGS ARE INTENDED TO BE FURNISHED, INSTALLED, AND TURNED OVER TO OWNER IN PROPER FUNCTIONING CONDITION. ALL WORK TO BE CONSIDERED IN CONTRACT SUM.

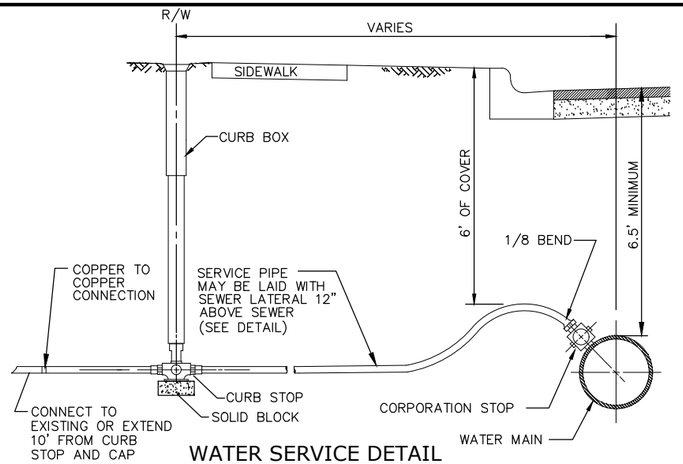
CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD CONDITIONS AND DIMENSIONS WITH THE CONSTRUCTION DRAWINGS AT THE PROJECT SITE PRIOR TO CONSTRUCTION, ERECTION, AND/OR FABRICATION. CONTRACTOR SHALL INSPECT RELATED WORK AND ADJACENT SURFACES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS WHICH SHALL PREVENT PROPER EXECUTION OF THIS WORK TO THE OWNER BEFORE PROCEEDING WITH THE WORK.

INSTALLATION OF ALL MATERIALS AND SYSTEMS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

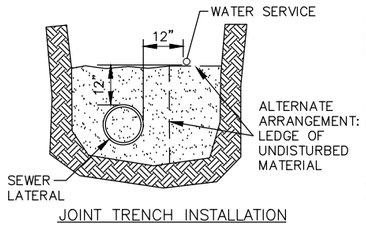
CONTACTS

DESIGN CONSULTANT:
JEWELL ASSOCIATES ENGINEERS, INC.
560 SUNRISE DRIVE
SPRING GREEN, WI 53588
ATTN: THOMAS BALLWEG, P.E.
PH: (608) 588–7484
FAX: (608) 588–9322
E MAIL: thomas.ballweg@jewellassoc.com

CITY OF DODGEVILLE
GREG LEE
100 E. FOUNTAIN STREET
DODGEVILLE, WISCONSIN 53533
PH: (608) 930–1011
FAX: (608) 930–3520



WATER SERVICE DETAIL



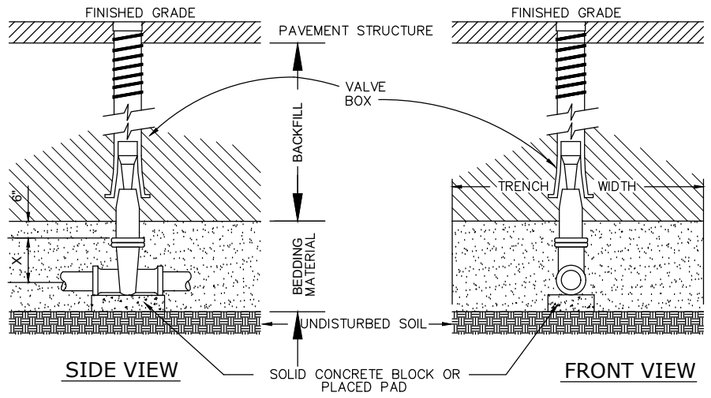
JOINT TRENCH INSTALLATION

NOTES:
– HORIZONTAL AND VERTICAL OFFSETS SHALL BE MADE WITH AN APPROVED PIPE BENDING TOOL. SHARP BENDS OR KINKS IN THE WATER SERVICE ARE NOT ALLOWED.

– VERTICAL OFFSETS SHALL BE MADE ON THE PROPERTY LINE SIDE OF THE CURB STOP.

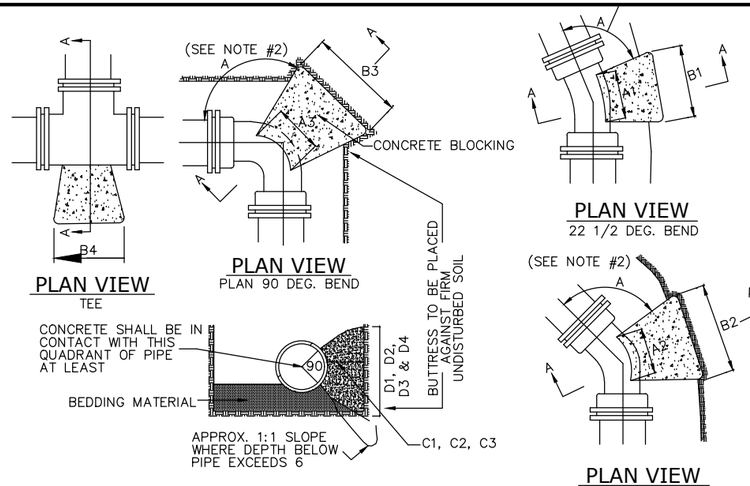
– CAST IRON CURB BOX SLEEVES SHALL BE INSTALLED WHERE CURB BOXES ARE INSTALLED IN CONCRETE OR ASPHALT SURFACES.

WATER SERVICE INSTALLATION DETAIL



GATE VALVE BOX DETAIL

PIPE DIA. INCHES	X=SETTING INCHES
2	6
3	7
4	8
6	12
8	13
10	17
12	21
16	30

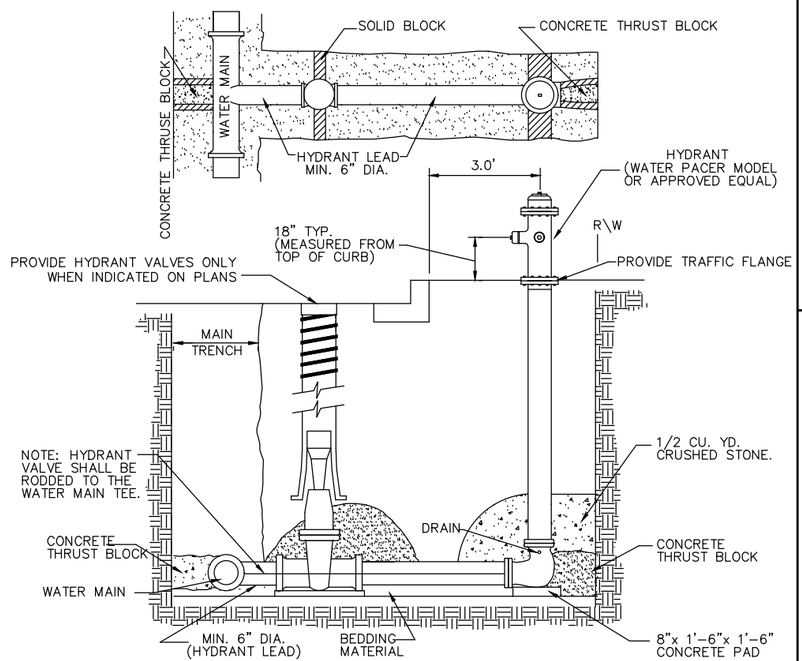


BUTTRESS FOR BENDS

BUTTRESS DIMENSIONS								
PIPE	22 1/2° BENDS		45° BENDS		90° BENDS		TEES	
SIZE	B1	D1	B2	D2	B3	D3	B4	D4
6"	1'–0"	1'–0"	1'–0"	1'–0"	1'–4"	1'–2"	1'–3"	1'–0"
8"	1'–0"	1'–0"	1'–4"	1'–2"	1'–10"	1'–6"	1'–6"	1'–4"
10"	1'–2"	1'–2"	1'–7"	1'–6"	2'–4"	1'–10"	2'–3"	2'–0"
12"	1'–4"	1'–4"	1'–10"	1'–10"	2'–9"	2'–3"	2'–3"	2'–0"
16"	1'–10"	1'–8"	2'–6"	2'–4"	3'–10"	2'–10"	3'–2"	2'–6"
20"	2'–4"	2'–0"	3'–3"	2'–10"	6'–0"	3'–4"	4'–0"	3'–0"
24"	2'–10"	2'–4"	4'–0"	3'–3"	6'–4"	3'–10"	5'–3"	3'–4"
30"	3'–6"	3'–0"	5'–4"	3'–10"	8'–0"	4'–8"	6'–3"	4'–3"

NOTES

1. MECHANICAL JOINT RESTRAINT FITTINGS MAY BE USED IN LIEU OF THRUST BLOCKS. MECHANICAL JOINT RESTRAINT SHALL BE MEGALUG OR EQUAL.
2. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF AT LEAST 150 PSI, AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
3. DIMENSION C1, C2, C3, SHOULD BE LARGE ENOUGH TO MAKE ANGLE "A" EQUAL OR LARGER THAN 45 DEG.
4. DIMENSION A1, A2, A3, SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERRING WITH M.J. BOLTS.
5. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.



HYDRANT DETAILS

THRUST RESTRAINT TABLE

FOR: 8–INCH DUCTILE IRON PIPE
150 P.S.I. PRESSURE
20 FOOT NOMIMAL LAYING LENGTH

FITTING	LENGTH OF PIPE RESTRAINED BEYOND FITTING, FEET
90	20
45	10
22.5	5
TEE BRANCH	10
TEE RUN	10
DEAD END	40
VALVE	40 (BOTH SIDES)

NOTE:
A 20 FOOT RESTRAINED LENGTH WOULD REQUIRE ONE (1) RESTRAINED JOINT AT THE FITTING. IF LAYING LENGTH IS LESS THAN 20 FEET, ADDITIONAL JOINTS SHALL BE RESTRAINED UNTIL THE REQUIRED RESTRAINED LENGTH IS OBTAINED.

SERVICE PIPE	CORP. STOP	CURB STOP
1"	1"	1"
1–1/2"	1–1/2"	1–1/2"
2"	2"	2"

1. NO JOINTS ALLOWED WITHOUT PERMISSION OF THE ENGINEER.

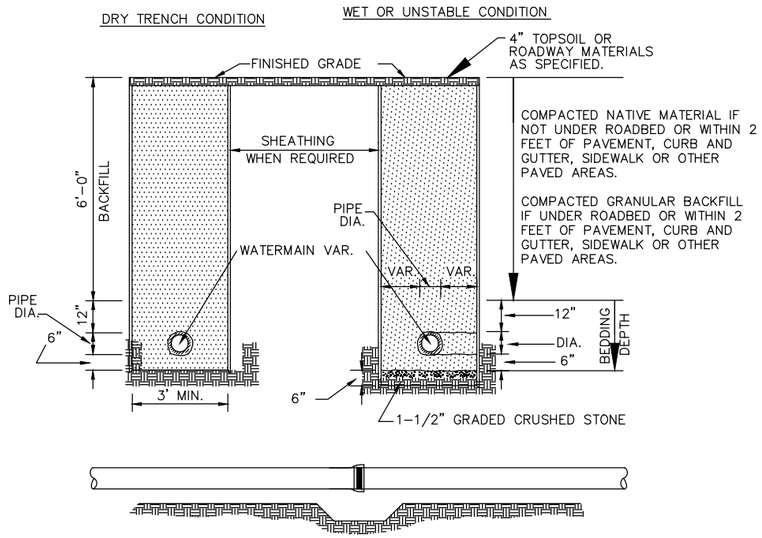
NOTE:
IF 7 FEET MINIMUM COVER IS NOT AVAILABLE, THE NEW SERVICE PIPE SHALL BE INSULATED. CONNECTIONS SHALL BE TESTED FOR LEAKAGE PRIOR TO BACKFILL AFTER SUPPORT HAS BEEN COMPACTED. MINIMUM RADII ARE AS FOLLOWS: 1"= 6", 1–1/4" = 8", 1–1/2" = 10", 2" = 12". TAP AND SERVICE SHALL BE A MINIMUM OF 1"

TAP SERVICE PIPING

(COPPER)

DRY TRENCH CONDITION

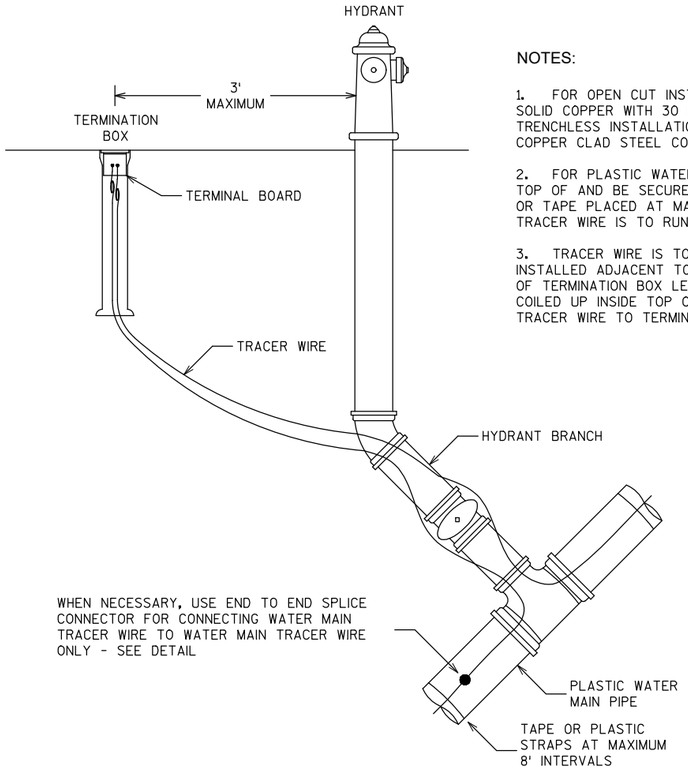
WET OR UNSTABLE CONDITION



WATER MAIN TRENCH SECTION

PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	WATER MAIN DETAILS	SHEET 3	E

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE – STH 191 UTILITIES\DESIGN\D23110_DETAILS.DWG
LAYOUT : WATER DETAILS1
PLOT DATE : 1/4/2018
PLOT TIME : 1:23:57 PM
PLOT BY : BALLWEG,THOMAS
PLOT SCALE : 1" = 1'



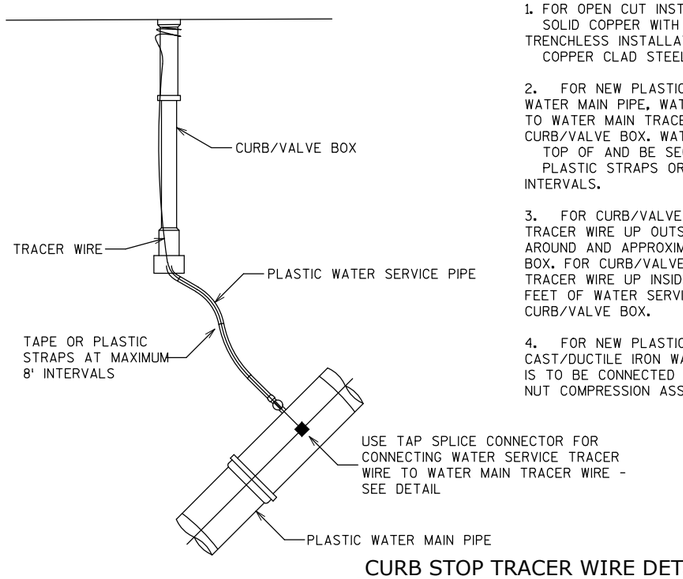
NOTES:

1. FOR OPEN CUT INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER WITH 30 MIL BLUE HMWPE INSULATION. FOR TRENCHLESS INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER CLAD STEEL CORE WITH 45 MIL BLUE HDPE INSULATION.

2. FOR PLASTIC WATER MAIN PIPE, TRACER WIRE IS TO RUN ALONG TOP OF AND BE SECURED TO WATER MAIN PIPE WITH PLASTIC STRAPS OR TAPE PLACED AT MAXIMUM 8 FEET INTERVALS. AT WATER VALVE, TRACER WIRE IS TO RUN ALONG SIDE OF PLASTIC WATER MAIN PIPE.

3. TRACER WIRE IS TO BE CONNECTED TO TERMINATION BOX INSTALLED ADJACENT TO HYDRANT. EXTEND TRACER WIRE UP INSIDE OF TERMINATION BOX LEAVING MINIMUM OF 3 FEET OF TRACER WIRE COILED UP INSIDE TOP OF TERMINATION BOX. CONNECT END OF TRACER WIRE TO TERMINAL BOARD.

WATER MAIN TRACER WIRE DETAIL



NOTES:

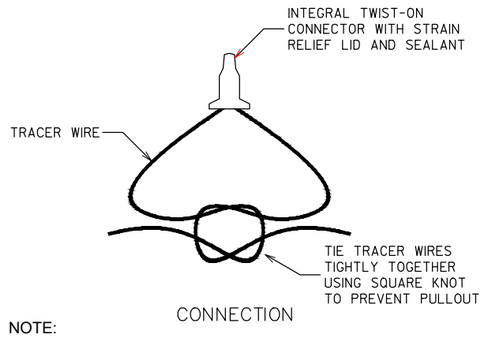
1. FOR OPEN CUT INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER WITH 30 MIL BLUE HMWPE INSULATION. FOR TRENCHLESS INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER CLAD STEEL CORE WITH 45 MIL BLUE HDPE INSULATION.

2. FOR NEW PLASTIC WATER SERVICE PIPE CONNECTED TO PLASTIC WATER MAIN PIPE, WATER SERVICE TRACER WIRE IS TO BE SPLICED TO WATER MAIN TRACER WIRE AND EXTENDED UP TO TOP OF CURB/VALVE BOX. WATER SERVICE TRACER WIRE IS TO RUN ALONG TOP OF AND BE SECURED TO PLASTIC WATER SERVICE PIPE WITH PLASTIC STRAPS OR TAPE PLACED AT MAXIMUM 8 FEET INTERVALS.

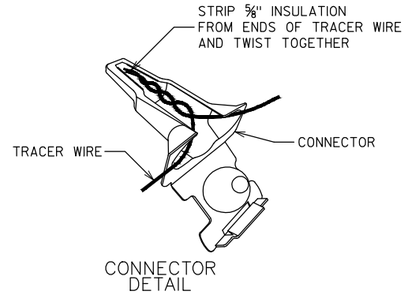
3. FOR CURB/VALVE BOX IN LAWN AREA, EXTEND WATER SERVICE TRACER WIRE UP OUTSIDE OF CURB/VALVE BOX WINDING END 3 TIMES AROUND AND APPROXIMATELY 1 INCH BELOW TOP OF CURB/VALVE BOX. FOR CURB/VALVE BOX IN PAVED AREA, EXTEND WATER SERVICE TRACER WIRE UP INSIDE OF CURB/VALVE BOX LEAVING MINIMUM OF 3 FEET OF WATER SERVICE TRACER WIRE COILED UP INSIDE TOP OF CURB/VALVE BOX.

4. FOR NEW PLASTIC WATER SERVICE PIPE CONNECTED TO CAST/DUCTILE IRON WATER MAIN PIPE, WATER SERVICE TRACER WIRE IS TO BE CONNECTED TO CORPORATION STOP WITH BRASS THAW WIRE NUT COMPRESSION ASSEMBLY WITH SET SCREW.

CURB STOP TRACER WIRE DETAIL



CONNECTION



CONNECTOR
DETAIL

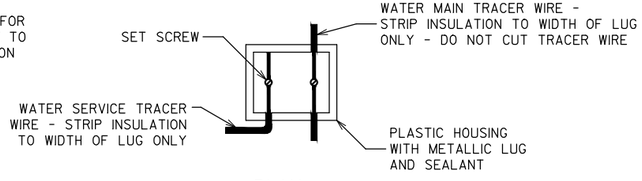
NOTE:

END TO END SPLICE CONNECTION IS TO BE USED ONLY FOR SPLICING TWO ENDS OF WATER MAIN TRACER WIRE TOGETHER WITH CONNECTION BEING MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

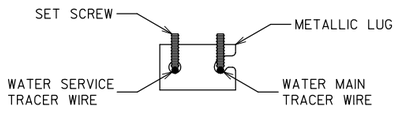
PLASTIC WATER MAIN TRACER WIRE - END TO END SPLICE CONNECTION

NOTE:

TAP SPLICE CONNECTION IS TO BE USED FOR CONNECTING WATER SERVICE TRACER WIRE TO WATER MAIN TRACER WIRE WITH CONNECTION BEING MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

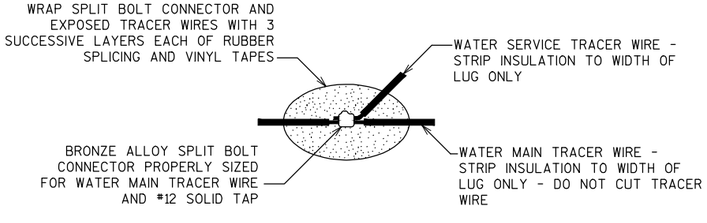


PLAN



SECTION OF LUG

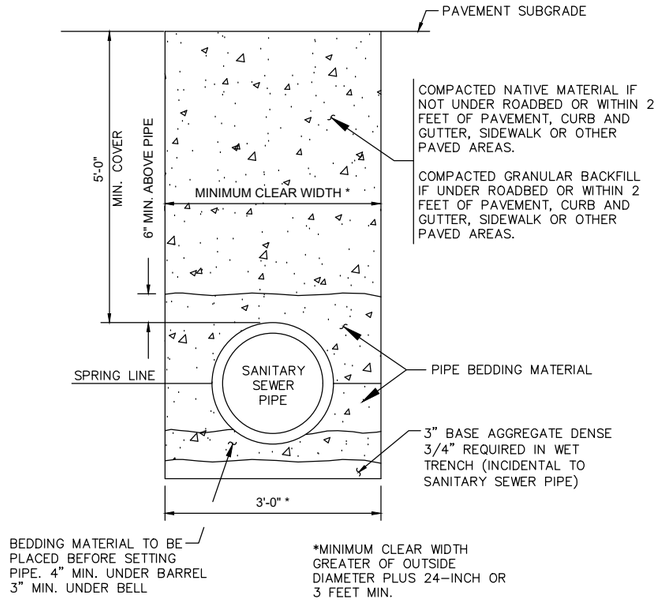
LUG STYLE



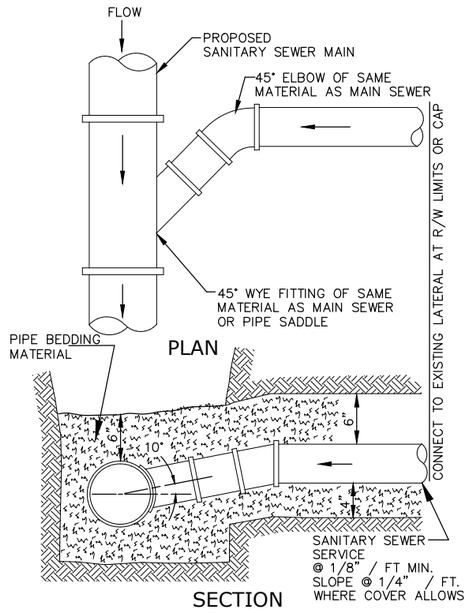
SPLIT BOLT STYLE

PLASTIC WATER MAIN TRACER WIRE - TAP SPLICE CONNECTION

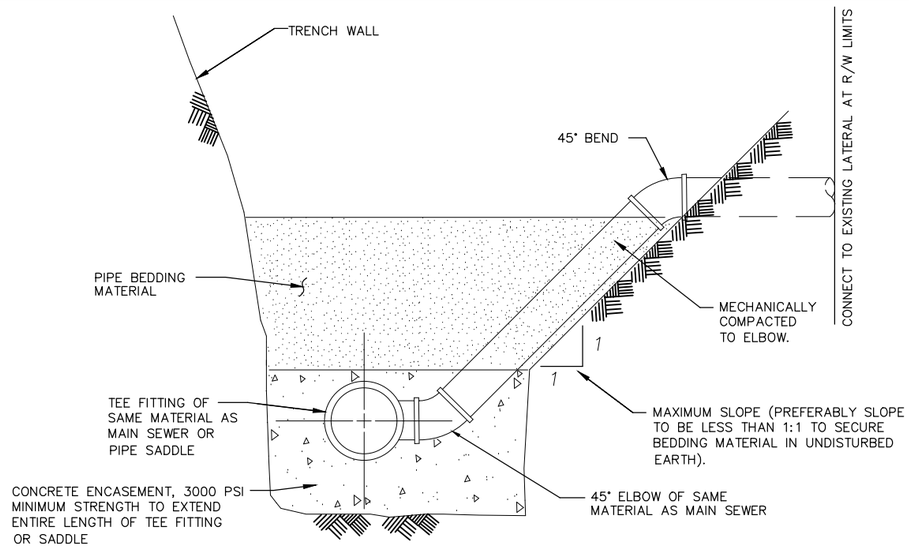
PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	WATER MAIN DETAILS	SHEET 4	E



SANITARY SEWER TRENCH DETAIL

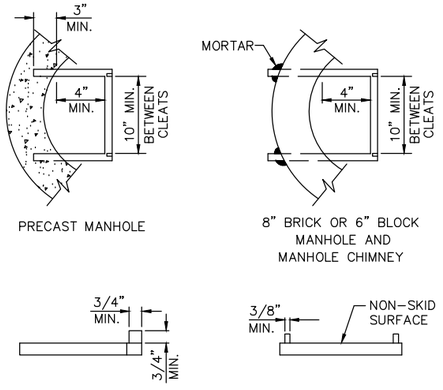


SANITARY SEWER LATERAL DETAIL



SANITARY SEWER RISER DETAIL

2



PROVIDE CERTIFIED TEST DATA THAT THE STEPS CAN WITHSTAND AN 800-POUND VERTICAL LOAD WITHOUT MORE THAN 3/8-INCH PERMANENT SET WHEN TESTED IN ACCORDANCE WITH SECTION 10 A.S.T.M. 498.

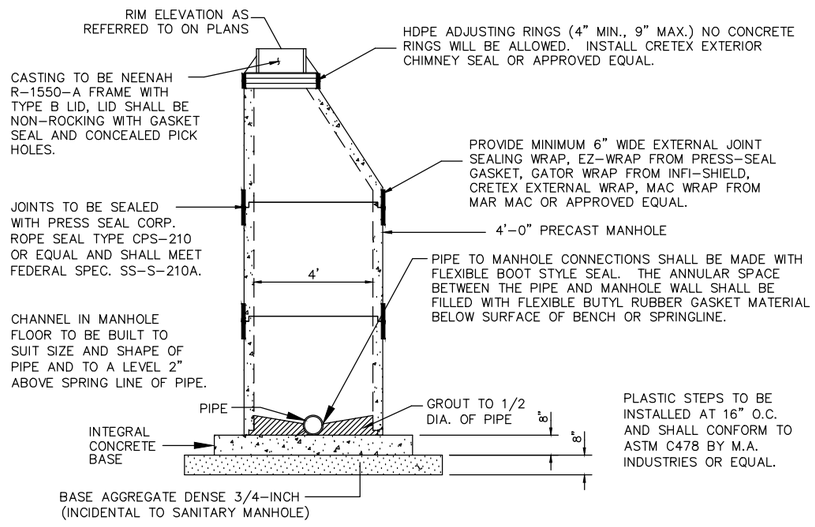
PROVIDE CERTIFIED TEST DATA THAT THE INSTALLED STEPS CAN WITHSTAND A HORIZONTAL LOAD OF 400 POUNDS WITH THE LOAD APPLIED OVER A WIDTH OF 3 1/2" AND CENTERED ON THE RUNG.

STEPS MUST BE EQUALLY SPACED VERTICALLY IN THE ASSEMBLED MANHOLE AT A MAXIMUM DISTANCE OF 16" ON CENTER.

STEPS SHALL BE FABRICATED OF 1/2" DIA. GRADE 60 STEEL REINFORCING ROD WITH MOLDED PLASTIC COVERING.

STEPS SHALL NOT BE INSTALLED IN THE PLASTIC RINGS.

MANHOLE STEPS DETAIL



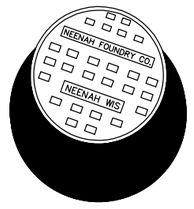
SANITARY MANHOLES 48" DIAMETER

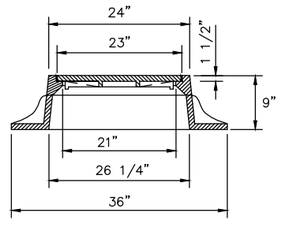
ADJUST FRAME TO GRADE WITH CONCRETE RINGS OF VARIABLE THICKNESS MAXIMUM RING HEIGHT = 12" MINIMUM RING HEIGHT = 4"

CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.

TYPE "B" FRAME & LID

TYPE 'B' LID DESIGN





NEENAH R-1550-A

SANITARY MANHOLE

FRAME, SOLID LID

HEAVY DUTY

NOTE: LID SHALL BE NON-ROCKING WITH GASKET SEAL AND CONCEALED PICKHOLES.

GENERAL NOTES

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES; AND BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

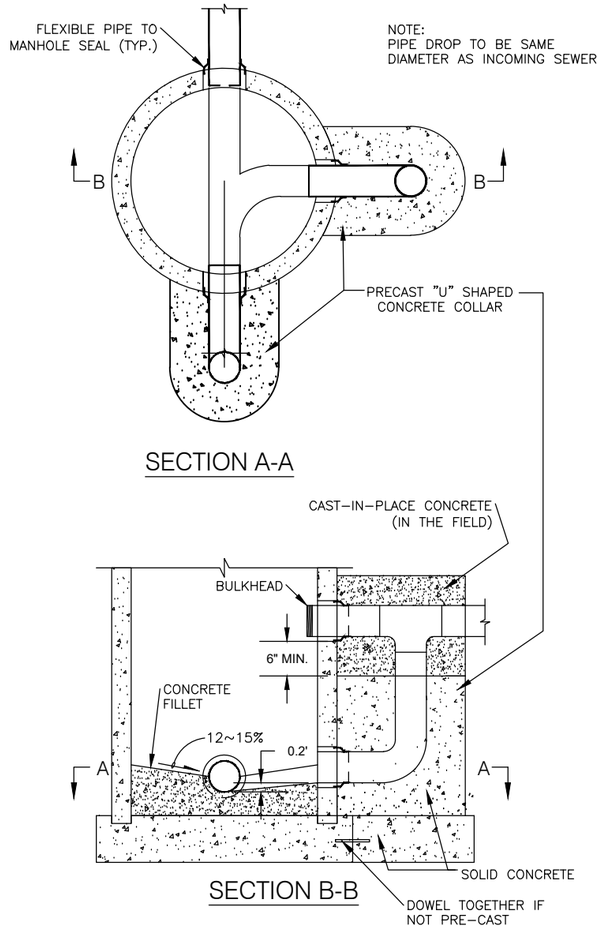
PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

ALL PRECAST INLETS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

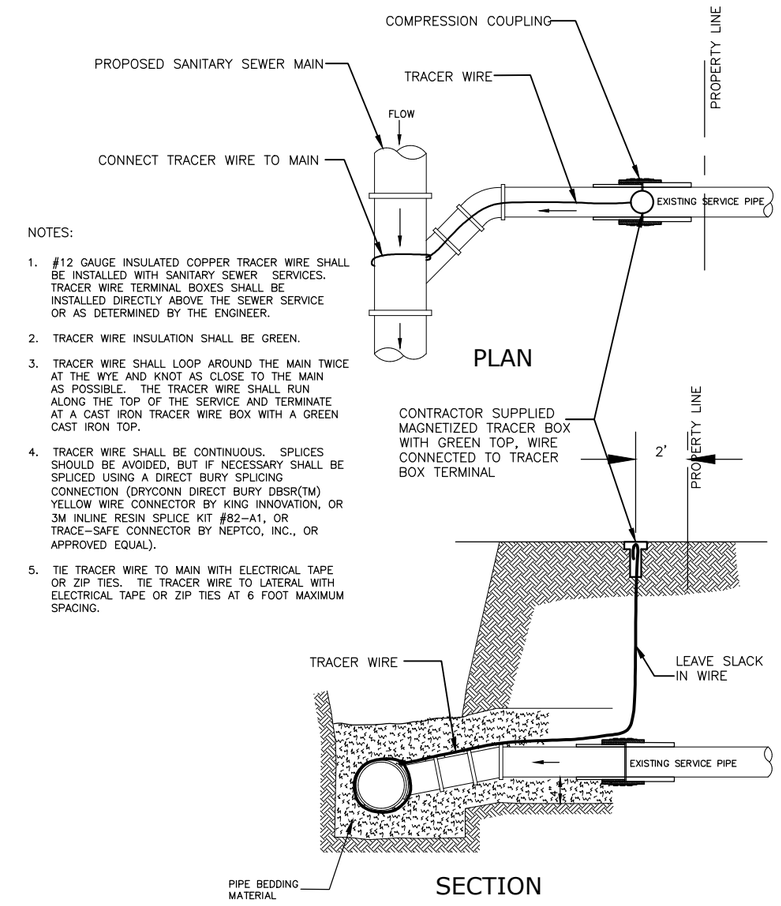
ALL STRUCTURES SHALL BE PLACED ON A BED OF 8" BASE AGGREGATE DENSE AS SHOWN ON THE MANHOLE DETAIL.

ALL ADJUSTING RINGS SHALL BE HDPE AND SHALL BE CAPABLE OF ACCOMMODATING GRADE ADJUSTMENTS ON FLAT OR SLOPING SURFACES TO WITHIN APPROXIMATELY 1/4".

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_DETAILS.DWG
LAYOUT : SANITARY DETAILS1
PLOT DATE : 12/20/2017
PLOT TIME : 2:47:29 PM
PLOT BY : BALLWEG,THOMAS
PLOT SCALE : 1" = 1'



SANITARY DROP MANHOLES 48" DIAMETER

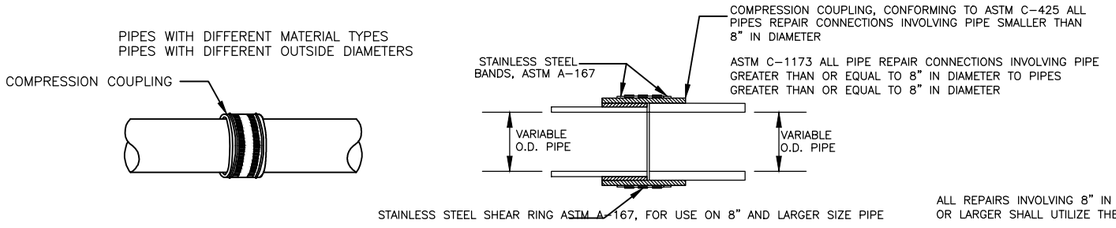


NOTES:

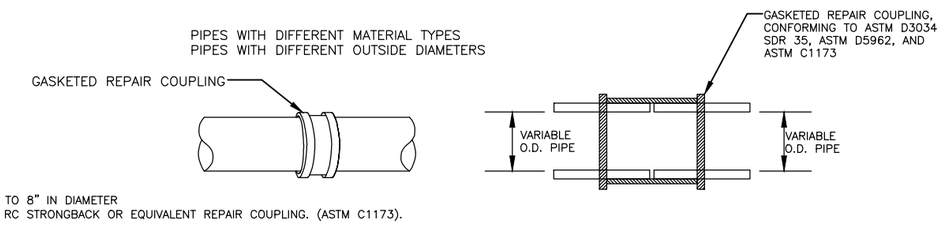
1. #12 GAUGE INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH SANITARY SEWER SERVICES. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
2. TRACER WIRE INSULATION SHALL BE GREEN.
3. TRACER WIRE SHALL LOOP AROUND THE MAIN TWICE AT THE WYE AND KNOT AS CLOSE TO THE MAIN AS POSSIBLE. THE TRACER WIRE SHALL RUN ALONG THE TOP OF THE SERVICE AND TERMINATE AT A CAST IRON TRACER WIRE BOX WITH A GREEN CAST IRON TOP.
4. TRACER WIRE SHALL BE CONTINUOUS. SPLICES SHOULD BE AVOIDED, BUT IF NECESSARY SHALL BE SPLICED USING A DIRECT BURY SPLICING CONNECTION (DRYCONN DIRECT BURY DBSR(TM) YELLOW WIRE CONNECTOR BY KING INNOVATION, OR 3M INLINE RESIN SPLICE KIT #82-A1, OR TRACE-SAFE CONNECTOR BY NEPTCO, INC., OR APPROVED EQUAL).
5. TIE TRACER WIRE TO MAIN WITH ELECTRICAL TAPE OR ZIP TIES. TIE TRACER WIRE TO LATERAL WITH ELECTRICAL TAPE OR ZIP TIES AT 6 FOOT MAXIMUM SPACING.

TRACER WIRE FOR NON-CONDUCTIVE SANITARY SEWER LATERALS

COMPRESSION COUPLING



GASKETED REPAIR COUPLING

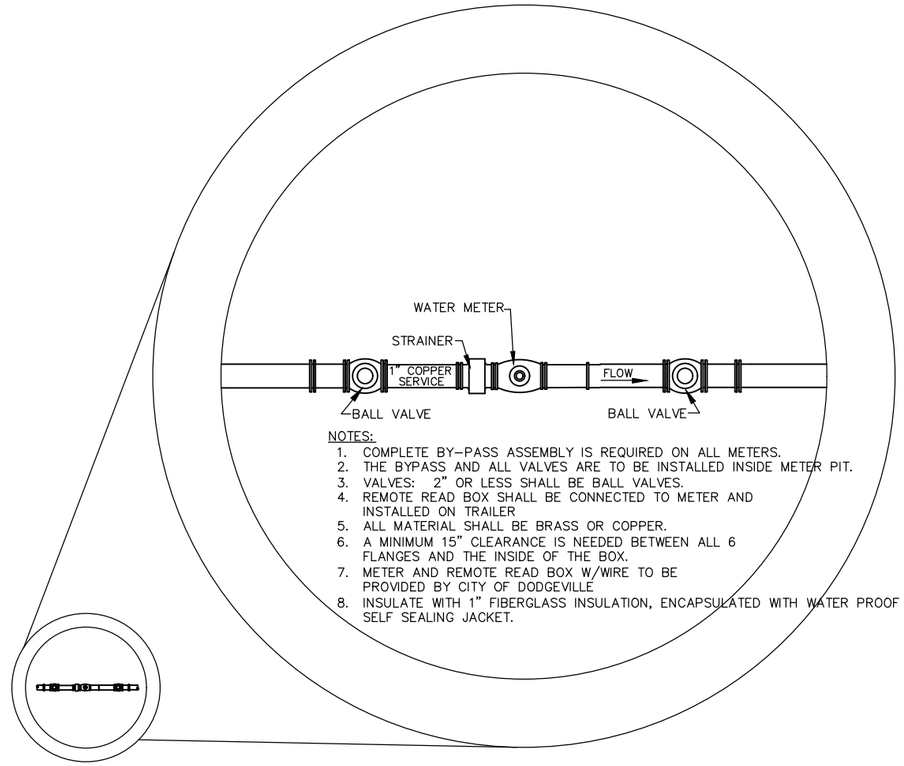


ALL REPAIRS INVOLVING 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

SANITARY SEWER COUPLING DETAIL

PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	SANITARY SEWER DETAILS	SHEET 6	E

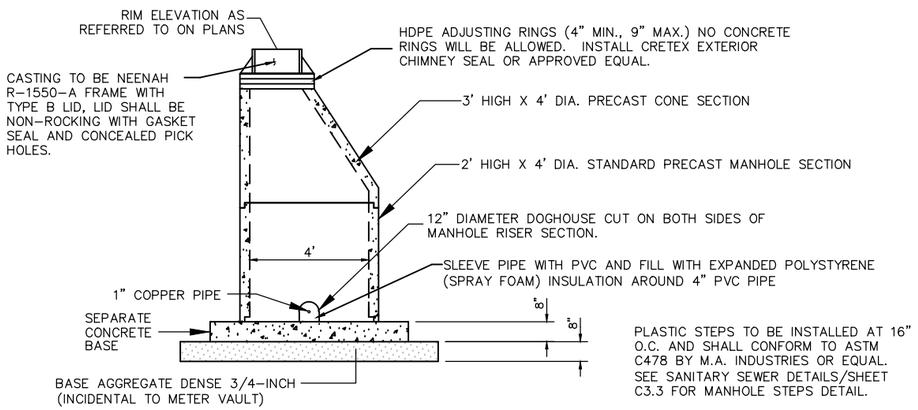
FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_DETAILS.DWG
LAYOUT : SANITARY DETAILS2
PLOT DATE : 12/20/2017
PLOT TIME : 2:47:39 PM
PLOT BY : BALLWEG,THOMAS
PLOT SCALE : 1" = 1'



PLAN VIEW

NOTES:
1. COMPLETE BY-PASS ASSEMBLY IS REQUIRED ON ALL METERS.
2. THE BYPASS AND ALL VALVES ARE TO BE INSTALLED INSIDE METER PIT.
3. VALVES: 2" OR LESS SHALL BE BALL VALVES.
4. REMOTE READ BOX SHALL BE CONNECTED TO METER AND INSTALLED ON TRAILER
5. ALL MATERIAL SHALL BE BRASS OR COPPER.
6. A MINIMUM 15" CLEARANCE IS NEEDED BETWEEN ALL 6 FLANGES AND THE INSIDE OF THE BOX.
7. METER AND REMOTE READ BOX W/WIRE TO BE PROVIDED BY CITY OF DODGEVILLE
8. INSULATE WITH 1" FIBERGLASS INSULATION, ENCAPSULATED WITH WATER PROOF SELF SEALING JACKET.

PLAN VIEW (BLOW-UP)

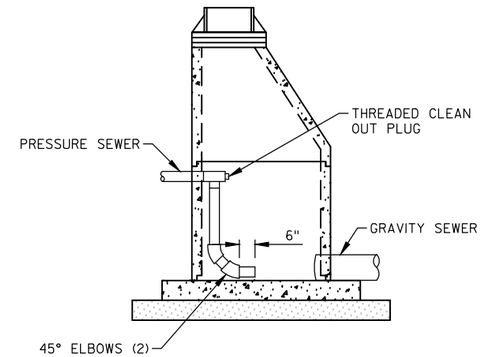


SECTION VIEW

METERED WATER VAULT 48" DIAMETER

ADJUST FRAME TO GRADE WITH CONCRETE RINGS OF VARIABLE THICKNESS MAXIMUM RING HEIGHT = 12" MINIMUM RING HEIGHT = 4"

CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.



TYPICAL PRESSURE SEWER MANHOLE CONNECTION

Estimate Of Quantities By Plan Sets

5953-04-72

Line	Item	Item Description	Unit	Total	Qty
0102	619.1000	Mobilization	EACH	0.200	0.200
0208	SPV.0035	Special 20. Excavation Rock	CY	380.000	380.000
0216	SPV.0060	Special 20. Removing Hydrant	EACH	6.000	6.000
0218	SPV.0060	Special 21. Water Main Valve 8-inch	EACH	4.000	4.000
0220	SPV.0060	Special 22. Water Main Valve 12-inch	EACH	10.000	10.000
0222	SPV.0060	Special 23. Fire Hydrant	EACH	5.000	5.000
0224	SPV.0060	Special 24. Metered Water Vault	EACH	2.000	2.000
0226	SPV.0060	Special 25. Water Service Curb Stop and Box 1-inch	EACH	46.000	46.000
0228	SPV.0060	Special 26. Water Service Curb Stop and Box 2-inch	EACH	1.000	1.000
0230	SPV.0060	Special 27. Temporary Surface Feed	EACH	1.000	1.000
0232	SPV.0060	Special 28. Adjusting Valve Boxes	EACH	4.000	4.000
0234	SPV.0060	Special 29. Sanitary Sewer WYE 4" x 8"	EACH	34.000	34.000
0236	SPV.0060	Special 30. Sanitary Sewer WYE 6" x 8"	EACH	1.000	1.000
0238	SPV.0060	Special 31. Manhole Frame & Lid Type B	EACH	11.000	11.000
0240	SPV.0060	Special 32. Sanitary Manhole 48-inch	EACH	10.000	10.000
0242	SPV.0060	Special 33. External Drop Sanitary Manhole 48-inch	EACH	1.000	1.000
0248	SPV.0090	Special 20. Water Main 6-inch	LF	40.500	40.500
0250	SPV.0090	Special 21. Water Main 8-inch	LF	299.000	299.000
0252	SPV.0090	Special 22. Water Main 12-inch	LF	3,688.000	3,688.000
0254	SPV.0090	Special 23. Water Service Line 1-inch	LF	1,080.500	1,080.500
0256	SPV.0090	Special 24. Water Service Line 2-inch	LF	39.500	39.500
0258	SPV.0090	Special 25. Sanitary Sewer Pipe 8-inch	LF	2,219.000	2,219.000
0260	SPV.0090	Special 26. Sanitary Sewer Lateral 4-inch	LF	1,112.000	1,112.000
0262	SPV.0090	Special 27. Sanitary Sewer Lateral 6-inch	LF	34.000	34.000
0264	SPV.0090	Special 28. Sanitary Sewer Force Main 2-inch	LF	40.000	40.000

WATER MAIN

LOCATION	TO	LOCATION	SPV.0090.20 WATER MAIN 6-INCH (LF)	SPV.0090.21 WATER MAIN 8-INCH (LF)	SPV.0090.22 WATER MAIN 12-INCH (LF)
50+62.12, 11.0' LT (EXISTING MAIN)		52+84.43, 16.0' LT (PROPOSED TEE)			223
52+84.43, 16.0' LT (PROPOSED TEE)		58+36.05, 16.0' LT (PROPOSED TEE)			552
58+36.05, 16.0' LT (PROPOSED TEE)		62+43.97, 16.0' LT (PROPOSED TEE)			408
62+43.97, 16.0' LT (PROPOSED TEE)		67+98.90, 16.0' LT (PROPOSED TEE)			555
67+98.90, 16.0' LT (PROPOSED TEE)		70+31.43, 16.0' LT (PROPOSED TEE)			233
70+31.43, 16.0' LT (PROPOSED TEE)		84+11.27, 16.0' LT (EXISTING TEE)			1380
84+11.27, 16.0' LT (EXISTING TEE)		87+47.89, 16.0' LT (90° BEND)			337
		UNION STREET TO THE SOUTH		51	
		UNION STREET TO THE NORTH		15	
		DACOTAH STREET TO THE SOUTH		41	
		ROGERS STREET TO THE NORTH		22	
		ROGERS STREET TO THE SOUTH		79	
		GARDEN LANE TO THE SOUTH		58	
		BISHOP STREET TO THE NORTH		33	
		62+50.71, 31.5' LT (FH#1)	7		
		67+89.71, 22.5' LT (FH#2)	6.5		
		72+48.13, 22.5' LT (FH#3)	6.5		
		78+47.00, 22.5' LT (FH#4)	6.5		
		87+14.30, 30.0' LT (FH#5)	14		
		TOTALS =	40.5	299	3688

REMOVING HYDRANT

STATION	LOCATION	SPV.0060.20 REMOVING HYDRANT (EACH)
58+18	24.0' LT	1
62+21	22.2' LT	1
68+09	16.0' LT	1
72+45	18.6' LT	1
76+89	26.0' LT	1
87+19	30.5' LT	1
	TOTALS =	6

EXCAVATION ROCK FOR WATER

LOCATION	SPV.0035.20 EXCAVATION ROCK (CY)
UNION STREET	10
STA 52+50 TO 55+00	35
DACOTAH STREET	4
STA 58+50 TO 70+00	235
ROGERS STREET	20
GARDEN LANE	18
STA 77+50 TO 80+00	17
WATER SERVICES	10
UNDISTRIBUTED	11
TOTAL =	360

*ADDITIONAL QUANTITIES FOR THIS ITEM ARE LISTED ELSEWHERE

WATER VALVES, HYDRANTS, METERED VAULTS

STATION	LOCATION	SPV.0060.21 WATER MAIN VALVE 8-INCH (EACH)	SPV.0060.22 WATER MAIN VALVE 12-INCH (EACH)	SPV.0060.23 FIRE HYDRANT (EACH)	SPV.0060.24 METERED WATER VAULT (EACH)
52+58.33	16.0' LT		1		
58+32.05	16.0' LT		1		
58+40.05	16.0' LT		1		
62+37.78	16.0' LT		1		
62+41.23	37.4' LT	1			
62+52.27	34.7' LT			1	
62+83.95	12.0' LT	1			
62+87.95	16.0' LT		1		
67+89.71	22.5' LT			1	
67+98.90	12.0' LT	1			
68+02.90	16.0' LT		1		
70+31.43	20.0' LT	1			
70+35.43	16.0' LT		1		
72+48.13	22.5' LT			1	
73+11.37	35.0' RT				1
78+40.00	35.0' RT				1
78+43.00	16.0' LT		1		
78+47.00	22.5' LT			1	
84+15.38	16.0' LT		1		
87+14.30	30.0' LT			1	
87+43.90	16.0' LT		1		
	TOTALS =	4	10	5	2

WATER SERVICES

STA	LOCATION	WATER SERVICE NUMBER	SPV.0090.23 WATER SERVICE LINE 1-INCH (LF)	SPV.0060.25 WATER SERVICE CURB STOP AND BOX 1-INCH (EACH)	SPV.0090.24 WATER SERVICE LINE 2-INCH (LF)	SPV.0060.26 WATER SERVICE CURB STOP AND BOX 2-INCH (EACH)
52+01	23.5' LT	CS#1	10	1		
54+47	23.5' RT	CS#2	39.5	1		
54+91	29.5' LT	CS#3	13.5	1		
55+09	29.5' LT	CS#4	13.5	1		
55+33	23.5' RT	CS#5	39.5	1		
56+08	23.5' RT	CS#6	39.5	1		
56+38	29.5' LT	CS#7	13.5	1		
56+73	29.5' LT	CS#8	13.5	1		
56+76	23.5' RT	CS#9	39.5	1		
57+38	23.5' RT	CS#10	39.5	1		
57+99	29.5' LT	CS#11	13.5	1		
59+10	29.5' LT	CS#12	13.5	1		
59+48	29.5' LT	CS#13	13.5	1		
60+02	23.5' RT	CS#14	39.5	1		
60+23	29.5' LT	CS#15	13.5	1		
60+84	23.5' RT	CS#16	39.5	1		
61+26	29.5' LT	CS#17	13.5	1		
61+65	23.5' RT	CS#18	39.5	1		
62+04	29.5' LT	CS#19	13.5	1		
62+26	23.5' RT	CS#20	39.5	1		
63+37	29.5' LT	CS#21	13.5	1		
63+71	23.5' RT	CS#22	39.5	1		
63+95	29.5' LT	CS#23	13.5	1		
65+24	23.5' RT	CS#24	39.5	1		
65+34	29.5' LT	CS#25	13.5	1		
65+63	29.5' LT	CS#26	13.5	1		
66+02	23.5' RT	CS#27	39.5	1		
66+33	29.5' LT	CS#28	13.5	1		
66+70	23.5' RT	CS#29	39.5	1		
67+36	23.5' RT	CS#30	39.5	1		
67+48	29.5' LT	CS#31	13.5	1		
68+09	29.5' LT	CS#32	13.5	1		
68+51	29.5' LT	CS#33	13.5	1		
68+78	23.5' RT	CS#34	39.5	1		
69+40	23.5' RT	CS#35			39.5	1
69+47	29.5' LT	CS#36	13.5	1		
69+84	29.5' LT	CS#37	13.5	1		
70+98	29.5' LT	CS#38	13.5	1		
71+53	29.5' LT	CS#39	13.5	1		
72+98	29.5' LT	CS#40	13.5	1		
73+12	29.5' RT	CS#41	50	1		
73+61	29.5' LT	CS#42	13.5	1		
74+14	29.5' LT	CS#43	13.5	1		
75+45	29.5' LT	CS#44	13.5	1		
76+03	29.5' LT	CS#45	13.5	1		
78+40	29.5' RT	CS#46	50	1		
86+02	29.5' LT	CS#47	13.5	1		
		TOTALS =	1080.5	46	39.5	1

TEMPORARY SURFACE FEED

STA	LOCATION	WATER SERVICE NUMBER	SPV.0060.27 TEMPORARY SURFACE FEED (EACH)
86+02	29.5' LT	CS#47	1
		TOTALS =	1

ADJUSTING VALVE BOXES

STA	LOCATION	SPV.0060.28 ADJUSTING VALVE BOXES (EACH)
52+63.38	37.6' RT	1
52+84.78	30.4' LT	1
58+36.15	25.6' RT	1
84+11.39	13.0' LT	1
	TOTALS=	4

SANITARY SEWER PIPE

PIPE NUMBER	FROM STRUCTURE	TO STRUCTURE	UPSTREAM INVERT ELEV.	DOWNSTREAM INVERT ELEV.	% SLOPE	SPV.0090.25 SANITARY SEWER PIPE 8-INCH (LF)
P-1	SANMH-1	SANMH-2	1194.31	1192.18	1.25	171
P-2	EXISTING PIPE	SANMH-2	1195.58 (MATCH EXISTING)	1193.84	3.87 (MATCH EXISTING)	45
P-3	SANMH-2	EXISTING PIPE	1192.08	1190.83 (MATCH EXISTING)	4.46 (MATCH EXISTING)	28
P-4	SANMH-3	SANMH-4	1192.78	1190.09	1.66	162
P-5	SANMH-4	SANMH-5	1190.04	1186.61	1.57	218
P-6	SANMH-5	EXISTING PIPE	1186.30	1184.86 (MATCH EXISTING)	8.02 (MATCH EXISTING)	18
P-7	SANMH-6	SANMH-5	1187.89	1186.44	0.74	197
P-8	SANMH-7	SANMH-6	1188.71	1187.94	0.41	186
*P-9	EXISTING PIPE	SANMH-7	1191.47	1188.81	5.78	46
P-10	SANMH-8	SANMH-7	1189.94	1188.81	0.40	282
P-11	SANMH-9	SANMH-8	1191.07	1189.97	0.42	262
P-12	SANMH-10	SANMH-9	1193.78	1191.19	1.04	249
P-13	SANMH-11	SANMH-10	1197.93	1193.81	1.16	355
					TOTALS =	2,219

*P-9 TO BE COORDINATED WITH RODGERS STREET PROJECT.
TEMPORARY BLIND 45 DEGREE BEND REQ'D IF INSTALLED PRIOR TO ROGER STREET PROJECT.

SANITARY SEWER LATERALS

SEWER LATERAL #	REFERENCED STRUCTURE	DISTANCE FROM STRUCTURE (FEET)	SPV.0090.26 SANITARY SEWER LATERAL 4-INCH (LF)	SPV.0090.27 SANITARY SEWER LATERAL 6-INCH (LF)	SPV.0060.29 SANITARY SEWER WYE 4" X 8" (EACH)	SPV.0060.30 SANITARY SEWER WYE 6" X 8" (EACH)	SPV.0090.28 SANITARY SEWER FORCE MAIN 2-INCH (LF)
SL#1	SANMH-2	120		34		1	
SL#2	SANMH-2	95	33		1		
SL#3	SANMH-4	159	17		1		
SL#4	SANMH-4	132	38		1		
SL#5	SANMH-4	104	38		1		
SL#6	SANMH-4	89	15		1		
SL#7	SANMH-5	215	18		1		
SL#8	SANMH-5	208	38		1		
SL#9	SANMH-5	205	16		1		
SL#10	SANMH-5	136	38		1		
SL#11	SANMH-5	98	41		1		
SL#12	SANMH-5	71	38		1		
SL#13	SANMH-5	107	38		1		
SL#14	SANMH-5	174	37		1		
SL#15	SANMH-5	191	17		1		
SL#16	SANMH-6	32	19		1		
SL#17	SANMH-6	32	42		1		
SL#18	SANMH-6	123	18		1		
SL#19	SANMH-6	169	37		1		
SL#20	SANMH-7	71	36		1		
SL#21	SANMH-7	95	36		1		
SL#22	SANMH-7	161	36		1		
SL#23	SANMH-8	23	37		1		
SL#24	SANMH-8	34	37		1		
SL#25	SANMH-8	101	37		1		
SL#26	SANMH-8	232	35		1		
SL#27	SANMH-8	249	35		1		
SL#28	SANMH-9	78	36		1		
SL#29	SANMH-9	150	19		1		
SL#30	SANMH-9	164	37		1		
SL#31	SANMH-9	227	38		1		
SL#32	SANMH-10	27	39		1		
SL#33	SANMH-10	167	39		1		
SL#34	SANMH-10	261	39		1		
SL#35	SANMH-10	316	38		1		
SL#36	SANMH-11	0					40
		TOTALS =	1112	34	34	1	40

SANITARY SEWER STRUCTURES

STRUCTURE NUMBER	STATION	LOCATION	RIM ELEVATION (FT)	SPV.0060.31 MANHOLE FRAME & LID TYPE B (EACH)	SPV.0060.32 SANITARY MANHOLE 48-INCH (EACH)	SPV.0060.33 EXTERNAL DROP SANITARY MANHOLE 48-INCH (EACH)	* REMOVE SAN MH (EACH)
SANMH-1	51+01.01	12.50' RT	1206.72	1	1	-	1
SANMH-2	52+76.17	2.50' RT	1201.40	1	-	1	1
SANMH-3	54+55.39	8.29' RT	1200.96	1	1	-	1
SANMH-4	56+20.92	7.91' RT	1198.26	1	1	-	1
SANMH-5	58+43.12	9.34' RT	1194.02	1	1	-	1
SANMH-6	60+44.48	7.08' RT	1194.23	1	1	-	1
SANMH-7	62+37.20	7.44' RT	1195.74	1	1	-	1
SANMH-8	65+20.01	8.08' RT	1196.24	1	1	-	1
SANMH-9	67+85.87	5.60' RT	1198.20	1	1	-	1
SANMH-10	70+38.87	8.96' RT	1203.62	1	1	-	1
SANMH-11	73+98.51	8.13' RT	1207.45	1	1	-	1
			TOTALS =	11	10	1	11

STRUCTURE DEPTH CALCULATIONS

MANHOLE = (RIM ELEV. - INVERT LOWEST PIPE) - 6" RINGS - 9" CASTING

* REMOVING ALL EXISTING SANITARY MANHOLES SHALL BE INCIDENTAL TO THE PROPOSED SANITARY SEWER MANHOLES

EXCAVATION ROCK FOR SANITARY

PIPE NUMBER	SPV.0035.20 EXCAVATION ROCK (CY)
PIPE 1	15
PIPE 9	5
TOTAL =	20

*ADDITIONAL QUANTITIES FOR THIS ITEM ARE LISTED ELSEWHERE

STA. 52+62.33, 16.0' LT. - 12"X8" TEE
STA. 52+84.43, 16.0' LT. - 12"X8" TEE

STA. 52+58.33, 16.0' LT. - WATER MAIN VALVE 12-INCH

CS#1-10' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#2-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#3-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#4-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#5-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#6-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#7-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#8-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#9-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#10-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

N

IOWA STREET
UNION STREET
DIVISION STREET
MATCHLINE STA. 57+50

CURB STOP ON IOWA STREET
WATER VALVE TO BE ADJUSTED
CUT AND CAP EXISTING MAIN
EXISTING FIBER VAULT TO REMAIN
EXISTING FIRE HYDRANT TO REMAIN
CONNECT TO NEW 12" WATER MAIN
ADD 4" OF POLYSTYRENE FOAM BOARD INSULATION BETWEEN WATER MAIN AND VAULT
CURB STOP ON UNION STREET
WATER VALVE TO BE ADJUSTED
CURB STOP ON UNION STREET
CURB STOP ON UNION STREET

VIRGINIA M. HELIN & ROBERT W. HELIN
101 N. IOWA STREET

STEPHANIE L. CARIE
106 E. DIVISION STREET

TOWN & COUNTRY INSURANCE SERVICES, INC.
110 E. DIVISION STREET

T & T KENYON, LLC
105 N. UNION STREET

STEPHANIE ANN ESSER
206 E. DIVISION STREET

MICHAEL F. FRENCH & PAULA K. FRENCH
210 E. DIVISION STREET

TONY E. BRENNUM & CATHY BRENNUM
214 E. DIVISION STREET

RONALD A. FREY & JOAN M. JANSSEN
218 E. DIVISION STREET

GERALD J. KELLEY & CHRISTY M. KELLEY
222 E. DIVISION STREET

KWIK TRIP INC
115 S. IOWA STREET

CHIP PROPERTY RENTALS, LLC
201 E. DIVISION STREET

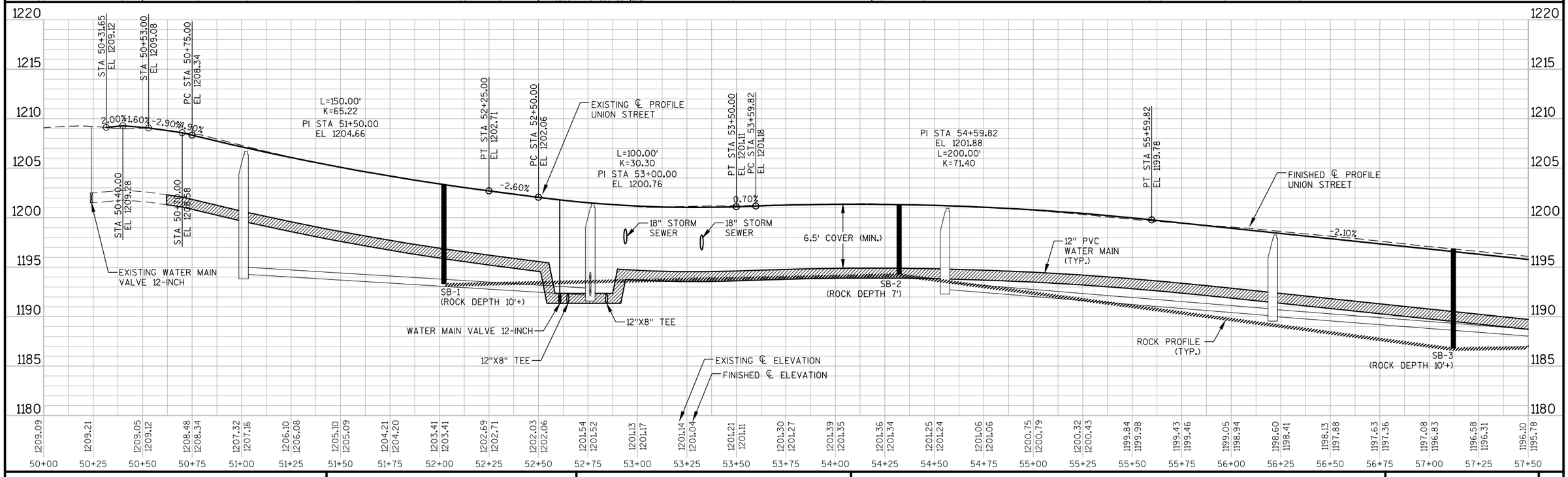
KIM W. MCCUTHCHIN
205 E. DIVISION STREET

PETER H. KOERWITZ
209 E. DIVISION STREET

SCOTT HAAG & JACKIE HAAG
213 E. DIVISION STREET

KEENAN PROPERTIERS, LLC.
217 E. DIVISION STREET

JEROME P. WEIER & NANCY R. WEIER
221 E. DIVISION STREET



PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: WATER MAIN	SHEET 11	E

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_PIPE NETWORK.DWG
LAYOUT NAME - ****
PLOT DATE : 1/4/2018 3:27 PM
PLOT BY : BALLWEG,THOMAS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

STA. 58+36.05, 16.0' LT. - 12"X8" TEE
STA. 62+41.77, 16.0' LT. - 12"X8" TEE
STA. 62+41.27, 34.4' LT. - 8"X6" HYDRANT TEE
STA. 62+83.95, 16.0' LT. - 12"X8" TEE
STA. 62+84.63, 30.9' RT. - 8" 45° BEND
STA. 63+07.21, 53.5' RT. - 8" 45° BEND

STA. 58+32.05, 16.0' LT. - WATER MAIN VALVE 12-INCH
STA. 58+40.05, 16.0' LT. - WATER MAIN VALVE 12-INCH
STA. 62+37.78, 16.0' LT. - WATER MAIN VALVE 12-INCH
STA. 62+41.23, 37.4' LT. - WATER MAIN VALVE 8-INCH
STA. 62+83.95, 12.0' LT. - WATER MAIN VALVE 8-INCH
STA. 62+87.95, 16.0' LT. - WATER MAIN VALVE 12-INCH

STA. 62+52.27, 34.7' LT. - FIRE HYDRANT/11' OF WATER MAIN 6-INCH (FH#1)

CS#11-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#12-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#13-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#14-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#15-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#16-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#17-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#18-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#19-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#20-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#21-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#22-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#23-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH

N

GERALD J. KELLEY & CHRISTY M. KELLEY
222 E. DIVISION STREET

GERALD P. JOHNSON & SHERI J. JOHNSON
302 E. DIVISION STREET

KURT T. OLSON
306 E. DIVISION STREET

JOHN J. DEMPSEY
310 E. DIVISION STREET

BRANDON J. PIERICK & VICTORIA J. NOWAK
312 E. DIVISION STREET

ROBERT A. RADOSEVICH & DAWN R. RADOSEVICH
318 E. DIVISION STREET

TERRY W. MCNEILL & LAURA M. MCNEILL
402 E. DIVISION STREET

RICHARD E. CONWAY
406 E. DIVISION STREET

STEVEN E. WILKINSON
410 E. DIVISION STREET

BRYAN E. MARTY & TARI J. ROCHON
414 E. DIVISION STREET

JEROME P. WEIER & NANCY R. WEIER
221 E. DIVISION STREET

KEENAN PROPERTIES, LLC.
301 E. DIVISION STREET

DORINDA R. SEGEBRECHT
309 E. DIVISION STREET

CHRISTY S. WEGNER
311 E. DIVISION STREET

KEENAN PROPERTIES LLC
313 E. DIVISION STREET

LEILA L. STREICH
401 E. DIVISION STREET

KENNETH L. PALZKILL & RAMONA G. PALZKILL
403 E. DIVISION STREET

SHARON BARTLE
409 E. DIVISION STREET

S. DACOTAH STREET
ROGERS STREET
DIVISION STREET
MATCHLINE STA. 57+50
MATCHLINE STA. 65+00
EXISTING FIRE HYDRANT TO BE REMOVED
EXISTING FIRE HYDRANT TO REMAIN
EXISTING TEE TO BE REMOVED
WATER VALVE TO BE ADJUSTED
CURB STOP ON S. DACOTAH STREET
CURB STOP ON ROGERS STREET
8" WATER MAIN
R/W
CS#11
CS#12
CS#13
CS#14
CS#15
CS#16
CS#17
CS#18
CS#19
CS#20
CS#21
CS#22
CS#23
FH#1
58
59
60
61
62
63
64
6
5

1215
1210
1205
1200
1195
1190
1185
1180
1175

PC STA 57+52.58
EL 1195.73
EXISTING ℄ PROFILE UNION STREET
L=250.00'
K=86.13
PI STA 58+77.58
EL 1193.10
PT STA 60+02.58
EL 1194.10
FINISHED ℄ PROFILE UNION STREET
PC STA 62+77.23
EL 1196.31
PI STA 63+27.23
EL 1196.71
L=100.00'
K=64.47
PT STA 63+77.23
EL 1196.33
PC STA 63+87.50
EL 1196.25
L=125.00'
K=71.43
PI STA 64+50.00
EL 1195.78
0.80%
0.75%
12" STORM SEWER
12" STORM SEWER
15" STORM SEWER
ROCK PROFILE (TYP.)
SB-4 (ROCK DEPTH 7')
6.5' COVER (MIN.)
18" STORM SEWER
WATER MAIN VALVE 12-INCH
12"X8" TEE
WATER MAIN VALVE 12-INCH
12" PVC WATER MAIN (TYP.)
12"X8" TEE
WATER MAIN VALVE 12-INCH
12"X8" TEE
WATER MAIN VALVE 12-INCH
EXISTING ℄ ELEVATION
FINISHED ℄ ELEVATION

| | | |

STA. 67+89.71, 16.0' LT. - 12"X6" HYDRANT TEE
STA. 67+98.90, 16.0' LT. - 12"X8" TEE
STA. 67+98.90, 32.6' RT. - 8" 45° BEND
STA. 68+05.38, 38.9' RT. - 8" 45° BEND
STA. 70+31.43, 16.0' LT. - 12"X8" TEE
STA. 70+31.43, 38.9' LT. - 8" 45° BEND
STA. 70+26.44, 43.9' LT. - 8" 45° BEND
STA. 72+48.13, 16.0' LT. - 12"X6" HYDRANT TEE

STA. 67+98.90, 12.0' LT. - WATER MAIN VALVE 8-INCH
STA. 68+02.90, 16.0' LT. - WATER MAIN VALVE 12-INCH
STA. 70+31.43, 20.0' LT. - WATER MAIN VALVE 8-INCH
STA. 70+35.43, 16.0' LT. - WATER MAIN VALVE 12-INCH

STA. 67+89.71, 22.5' LT. - FIRE HYDRANT/6.5' OF WATER MAIN 6-INCH (FH#2)
STA. 72+48.13, 22.5' LT. - FIRE HYDRANT/6.5' OF WATER MAIN 6-INCH (FH#3)

CS#24-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#25-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#26-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#27-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#28-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#29-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#30-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#31-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#32-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#33-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#34-39.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#35-39.5' WATER SERVICE LINE 2-INCH/WATER SERVICE CURB STOP AND BOX 2-INCH
CS#36-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#37-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#38-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#39-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH

BRYAN E. MARTY & TARI J. ROCHON
414 E. DIVISION STREET

PATRICIA RODER
418 E. DIVISION STREET

JEFFREY A. FULLER
422 E. DIVISION STREET

JENNIFER B. HAMMOND
426 E. DIVISION STREET

JANICE M. PETERSON
502 E. DIVISION STREET

HILDING G. TRULEN, SUE ANN TRULEN, RICHARD W. GONINEN, MARY LOU GONINEN, DWIGHT J. TRULEN, NANCY A. TRULEN, STEVEN J. ALEXANDER, SANDRA J. ALEXANDER
506 E. DIVISION STREET

ANGELIQUE HERING
510 E. DIVISION STREET

ROBERT J. HILL
CHRISTINE M. ZIEGLER
CLARENCE M. ZIEGLER
512 E. DIVISION STREET

JASON A. SIDLAUSKAS & ALICIA L. SIDLAUSKAS
602 E. DIVISION STREET

THE RUFF FAMILY TRUST
606 E. DIVISION STREET

SHARON BARTLE
409 E. DIVISION STREET

THOMAS J. MCDONALD & JULIE ANN MCDONALD
413 E. DIVISION STREET

PETER GOEBEL & SHANNON GOEBEL
417 E. DIVISION STREET

THOMAS B. SIMMONS & BARBARA M. SIMMONS
421 E. DIVISION STREET

EAGLE INVESTMENTS OF BARNEVELD
501 E. DIVISION STREET

THE BRENDA J. JUDD LIVING TRUST, JEFFREY D. THOMAS & KEELY E. THOMAS
505 E. DIVISION STREET

CITY OF DODGEVILLE

EXISTING FIRE HYDRANT TO BE REMOVED

EXISTING FIRE HYDRANT TO BE REMOVED

N. BISHOP STREET

8" WATER MAIN

GARDEN LANE

DIVISION STREET

MATCHLINE STA. 65+00

MATCHLINE STA. 72+50

CS#24 CS#25 CS#26 CS#27 CS#28 CS#29 CS#30 CS#31 CS#32 CS#33 CS#34 CS#35 CS#36 CS#37 CS#38 CS#39

FH#2 FH#3

R/W

PI: 72+35.85

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

PT STA 65+12.50
EL 1196.41

PC STA 65+36.00
EL 1196.64

PI STA 65+61.00
EL 1196.89
L=50.00'
K=100.00

PT STA 65+86.00
EL 1197.02

PC STA 66+90.00
EL 1197.54

L=350.00'
K=132.08
PI STA 68+65.00
EL 1198.41

PT STA 70+40.00
EL 1203.93

PC STA 71+10.00
EL 1206.13

1.00%

0.50%

3.15%

6.5' COVER (MIN.)

FINISHED ℄ PROFILE UNION STREET

EXISTING ℄ PROFILE UNION STREET

12" STORM SEWER

ROCK PROFILE (TYP.)

SB-5 (ROCK DEPTH 6.5')

SB-6 (ROCK DEPTH 5.5')

12"X6" HYDRANT TEE

12"X8" TEE

WATER MAIN VALVE 12-INCH

12" PVC WATER MAIN (TYP.)

EXISTING ℄ ELEVATION

FINISHED ℄ ELEVATION

1196.38 1196.30 | 1196.59 1196.53 | 1196.71 1196.78 | 1196.88 1196.96 | 1197.03 1197.09 | 1197.20 1197.21 | 1197.31 1197.34 | 1197.42 1197.46 | 1197.61 1197.59 | 1197.70 1197.76 | 1197.75 1197.98 | 1197.87 1198.24 | 1198.12 1198.55 | 1198.34 1198.90 | 1198.75 1199.31 | 1199.15 1199.76 | 1199.73 1200.26 | 1200.20 1200.81 | 1200.77 1201.40 | 1201.48 1202.04 | 1202.25 1202.73 | 1203.08 1203.46 | 1203.77 1204.24 | 1204.44 1205.03 | 1205.11 1205.82 | 1205.90 1206.58 | 1206.70 1207.25 | 1207.40 1207.79 | 1208.02 1208.23 | 1208.54 1208.55 | 1208.93 1208.75

65+00 65+25 65+50 65+75 66+00 66+25 66+50 66+75 67+00 67+25 67+50 67+75 68+00 68+25 68+50 68+75 69+00 69+25 69+50 69+75 70+00 70+25 70+50 70+75 71+00 71+25 71+50 71+75 72+00 72+25 72+50

PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: WATER MAIN	SHEET 13	E

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_PIPE NETWORK.DWG
LAYOUT NAME - ****

PLOT DATE : 1/4/2018 3:28 PM PLOT BY : BALLWEG,THOMAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

STA. 76+92.08, 16.0' LT. - 12"X6" HYDRANT TEE

STA. 78+43.00, 16.0' LT. - WATER MAIN VALVE 12-INCH

STA. 78+47.00, 22.5' LT. - FIRE HYDRANT/6.5' OF WATER MAIN 6-INCH (FH#4)

STA. 73+11.37, 35.0' RT. - METERED WATER VAULT
STA. 78+40.00, 35.0' RT. - METERED WATER VAULT

CS#40-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#41-50' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#42-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#43-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#44-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#45-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH
CS#46-50' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH

N

JOHN M. DOWLING &
CHRISTINE M. DOWLING
610 E. DIVISION STREET

CURTIS L. ANDERSON &
SHARON M. ANDERSON
614 E. DIVISION STREET

MARY ANN MARTIN
206 WALNUT STREET

KYLE T. STAMN
622 E. DIVISION STREET

LINCOLN TATRO &
MARY TATRO
626 E. DIVISION STREET

EXISTING FIRE HYDRANT
TO BE REMOVED

MATCHLINE STA. 72+50

MATCHLINE STA. 80+00

DIVISION STREET

CS#40 CS#41 CS#42 CS#43 CS#44 CS#45 CS#46

FH#4

METERED WATER VAULT

METERED WATER VAULT

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

CITY OF DODGEVILLE

CITY OF DODGEVILLE

5

5

PI STA 72+85.00
EL 1211.64
L=350.00'
K=54.69

EXISTING ℄ PROFILE
UNION STREET

PT STA 74+60.00
EL 1205.96

PC STA 76+10.00
EL 1201.08

PI STA 76+60.00
EL 1199.46
L=100.00'
K=36.36

PT STA 77+10.00
EL 1196.46

PC STA 77+95.00
EL 1191.36

PT STA 79+95.00
EL 1181.36

-3.25%

-6.00%

12" PVC WATER MAIN (TYP.)

6.5' COVER (MIN.)

SB-7
(ROCK DEPTH 10'+)

SB-8
(ROCK DEPTH 7')

ROCK PROFILE
(TYP.)

FINISHED ℄ PROFILE
UNION STREET

L=200.00'
K=100.00
PI STA 78+95.00
EL 1185.36

EXISTING ℄ ELEVATION

FINISHED ℄ ELEVATION

WATER MAIN VALVE 12-INCH

12"X6" HYDRANT TEE

72+50	72+75	73+00	73+25	73+50	73+75	74+00	74+25	74+50	74+75	75+00	75+25	75+50	75+75	76+00	76+25	76+50	76+75	77+00	77+25	77+50	77+75	78+00	78+25	78+50	78+75	79+00	79+25	79+50	79+75	80+00
1208.93	1209.21	1209.29	1209.16	1208.85	1208.38	1207.78	1207.10	1206.35	1205.52	1204.70	1203.89	1203.13	1202.31	1201.47	1200.56	1199.57	1198.50	1197.26	1195.64	1193.87	1192.25	1190.70	1189.26	1187.93	1186.64	1185.35	1184.19	1183.08	1182.04	1181.16
1208.75	1208.84	1208.82	1208.68	1208.43	1208.06	1207.58	1206.98	1206.27	1205.47	1204.66	1203.84	1203.03	1202.22	1201.41	1200.56	1199.56	1198.39	1197.04	1195.56	1194.06	1192.56	1191.06	1189.60	1188.21	1186.88	1185.61	1184.40	1183.26	1182.18	1181.16

PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: WATER MAIN	SHEET 14	E

STA. 84+15.38, 16.0' LT. - WATER MAIN VALVE 12-INCH

CS#47-13.5' WATER SERVICE LINE 1-INCH/WATER SERVICE CURB STOP AND BOX 1-INCH

N

LINCOLN TATRO &
MARY TATRO
626 E. DIVISION STREET

BRIAN H. WHITEHOUSE
& BECKIE M. KUTZKE
3962 MILITARY RIDGE ROAD

QUARRY STREET

MATCHLINE STA. 80+00

MATCHLINE STA. 87+00

CUT AND CAP
EXISTING MAIN

CONNECT WATER MAIN
TO EXISTING TEE

SURFACE FEED DURING CONSTRUCTION

CS#47

DIVISION STREET

WATER VALVE
TO BE ADJUSTED

8" WATER MAIN

DIAMOND OAK DRIVE

EXISTING FIRE HYDRANT
TO REMAIN

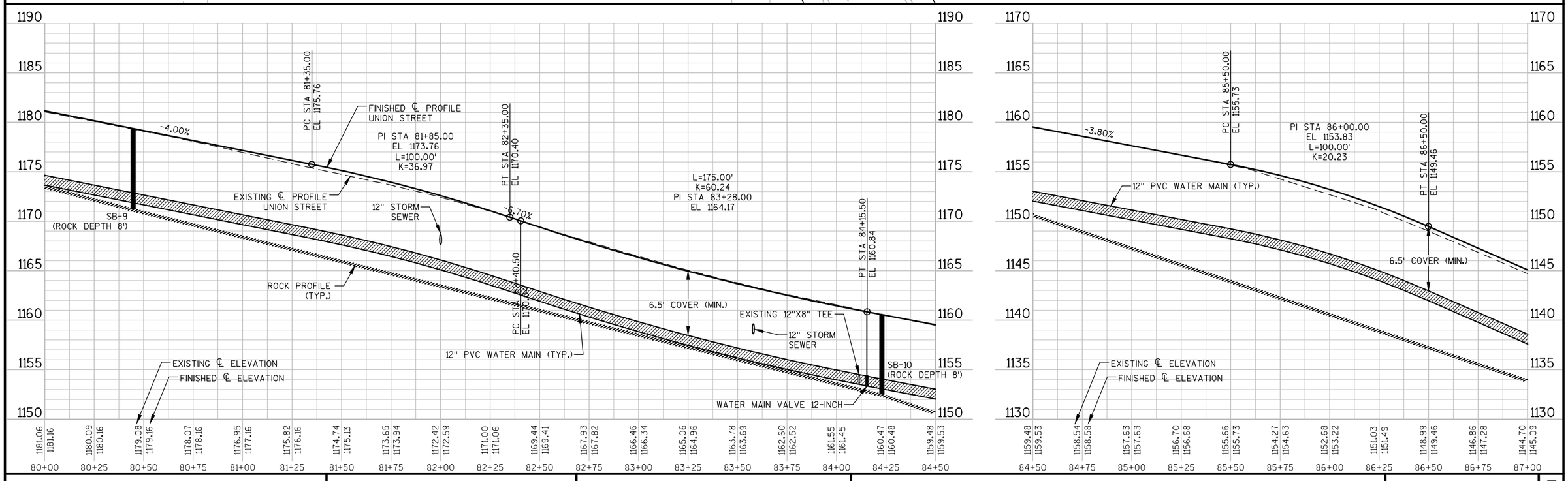
CITY OF DODGEVILLE

DIAMOND OAKS LLC
3696 STATE ROAD 23

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

5

5



PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: WATER MAIN	SHEET 15	E

STA. 87+14.30, 16.0' LT. - 12"X6" HYDRANT TEE
STA. 87+47.90, 16.0' LT. - 12" 90° BEND
STA. 87+47.90, 19.0' LT. - 12"X6" REDUCER

STA. 87+43.90, 16.0' LT. - WATER MAIN VALVE 12-INCH

STA. 87+14.30, 30.0' LT. - FIRE HYDRANT/14' OF WATER MAIN 6-INCH (FH#5)

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

N

EXISTING FIRE HYDRANT TO BE REMOVED
(HYDRANT NEEDS TO REMAIN IN SERVICE DURING SURFACE FEED)

CONNECT TO EXISTING
6" WATER MAIN

FH#5

MATCHLINE STA. 87+00

R/W

BORE

CUT AND CAP
EXISTING MAIN

DIVISION STREET

88 89 90 91 92 93

DIAMOND OAKS LLC
3696 STATE ROAD 23

5

5

FINISHED ℄ PROFILE
UNION STREET

-8.74%

STA 87+84.00
EL 1137.75

6.5' COVER
(MIN.)

12"X6"
HYDRANT
TEE

12" PVC WATER MAIN (TYP.)

90° BEND

WATER MAIN VALVE 12-INCH

SB-11
(ROCK DEPTH 10'+)

ROCK PROFILE
(TYP.)

EXISTING ℄ PROFILE
UNION STREET

EXISTING ℄ ELEVATION

FINISHED ℄ ELEVATION

1150 1145 1140 1135 1130 1125 1120 1115 1110

1144.70 1145.09 1142.54 1142.91 1140.50 1140.72 1138.48 1138.53 1136.45 1134.43 1132.48 1130.55 1128.58 1126.58 1124.58 1122.58 1120.64 1118.74 1116.88 1115.06 1113.34 1111.70 1110.19 1108.81 1107.60 1106.63 1105.81 1105.26 1104.80 1104.59 1104.44 1104.52

87+00 87+25 87+50 87+75 88+00 88+25 88+50 88+75 89+00 89+25 89+50 89+75 90+00 90+25 90+50 90+75 91+00 91+25 91+50 91+75 92+00 92+25 92+50 92+75 93+00 93+25 93+50 93+75 94+00 94+25 94+50

PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: WATER MAIN	SHEET 16	E

SL*1-34' OF SANITARY SEWER LATERAL 6-INCH/SANITARY SEWER WYE 6"X8"
SL*2-33' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*3-17' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*4-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*5-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*6-15' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*7-18' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*8-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*9-16' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*10-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

N

IOWA STREET

UNION STREET

VIRGINIA M. HELIN & ROBERT W. HELIN
101 N. IOWA STREET

STEPHANIE L. CARIE
106 E. DIVISION STREET

TOWN & COUNTRY INSURANCE SERVICES, INC.
110 E. DIVISION STREET

T & T KENYON, LLC
105 N. UNION STREET

STEPHANIE ANN ESSER
206 E. DIVISION STREET

MICHAEL F. FRENCH & PAULA K. FRENCH
210 E. DIVISION STREET

TONY E. BRENNUM & CATHY BRENNUM
214 E. DIVISION STREET

RONALD A. FREY & JOAN M. JANSSEN
218 E. DIVISION STREET

GERALD J. KELLEY & CHRISTY M. KELLEY
222 E. DIVISION STREET

KWIK TRIP INC
115 S. IOWA STREET

CHIP PROPERTY RENTALS, LLC
201 E. DIVISION STREET

KIM W. MCCUTHCHIN
205 E. DIVISION STREET

PETER H. KOERWITZ
209 E. DIVISION STREET

SCOTT HAAG & JACKIE HAAG
213 E. DIVISION STREET

KEENAN PROPERTIERS, LLC.
217 E. DIVISION STREET

JEROME P. WEIER & NANCY R. WEIER
221 E. DIVISION STREET

DIVISION STREET

EXISTING FIBER VAULT TO REMAIN

SANMH-1
STA. 51+01.01, 12.50' RT
RIM=1206.72

ABANDONED EXISTING SANITARY LATERAL

SANMH-2
STA. 52+76.17, 2.50' RT
RIM=1201.40

SANMH-3
STA. 54+55.39, 8.29' RT
RIM=1200.96

SANMH-4
STA. 56+20.92, 7.91' RT
RIM=1198.26

SANITARY LATERAL TO UNION STREET

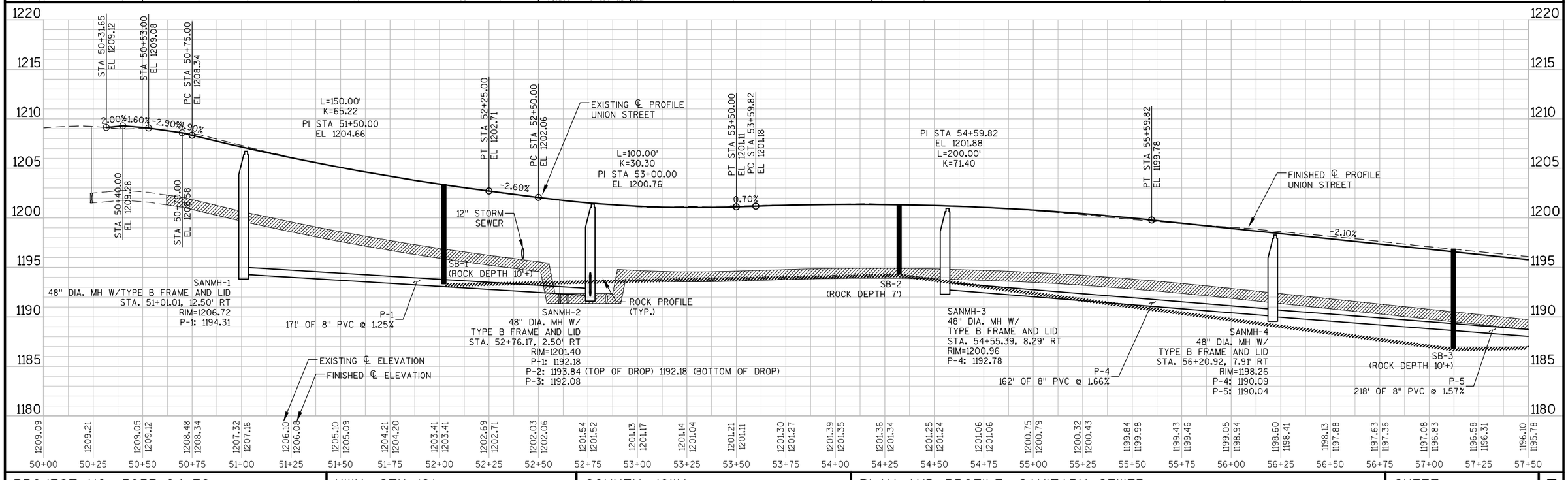
SANITARY LATERAL TO DACOTAH STREET

R/W

8" WATER MAIN

MATCHLINE STA. 57+50

5



PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: SANITARY SEWER	SHEET 17	E

SL#11-41' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#12-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#13-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#14-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#15-17' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#16-19' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#17-42' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#18-18' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#19-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#20-36' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#21-36' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL#22-36' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

N

S. DACOTAH STREET

ROGERS STREET

GERALD J. KELLEY & CHRISTY M. KELLEY
222 E. DIVISION STREET

GERALD P. JOHNSON & SHERI J. JOHNSON
302 E. DIVISION STREET

KURT T. OLSON
306 E. DIVISION STREET

JOHN J. DEMPSEY
310 E. DIVISION STREET

BRANDON J. PIERICK & VICTORIA J. NOWAK
312 E. DIVISION STREET

ROBERT A. RADOSEVICH & DAWN R. RADOSEVICH
318 E. DIVISION STREET

TERRY W. MCNEILL & LAURA M. MCNEILL
402 E. DIVISION STREET

RICHARD E. CONWAY
406 E. DIVISION STREET

STEVEN E. WILKINSON
410 E. DIVISION STREET

BRYAN E. MARTY & TARI J. ROCHON
414 E. DIVISION STREET

BLIND 45° BEND REQ'D TO CONNECT INTO EXISTING SANITARY MAIN IF INSTALLED PRIOR TO ROGERS STREET PROJECT

MATCHLINE STA. 57+50

MATCHLINE STA. 65+00

DIVISION STREET

R/W

SL#11 SL#12 SL#13 SL#14 SL#15 SL#16 SL#17 SL#18 SL#19 SL#20 SL#21 SL#22

P-5 P-6 P-7 P-8 P-9 P-10

58 59 60 61 62 63 64

SANMH-5
STA. 58+43.12, 9.34' RT
RIM=1194.02

SANMH-6
STA. 60+44.48, 7.08' RT
RIM=1194.23

SANMH-7
STA. 62+34.40, 7.43' RT
RIM=1195.74

SANITARY LATERAL TO DACOTAH STREET

SANITARY LATERAL TO ROGERS STREET

SANITARY LATERAL OUT BACK TO GARDEN LANE

JEROME P. WEIER & NANCY R. WEIER
221 E. DIVISION STREET

KEENAN PROPERTIES, LLC.
301 E. DIVISION STREET

DORINDA R. SEGEBRECHT
309 E. DIVISION STREET

CHRISTY S. WEGNER
311 E. DIVISION STREET

KEENAN PROPERTIES LLC
313 E. DIVISION STREET

LEILA L. STREICH
401 E. DIVISION STREET

KENNETH L. PALZKILL & RAMONA G. PALZKILL
403 E. DIVISION STREET

SHARON BARTLE
409 E. DIVISION STREET

8" WATER MAIN

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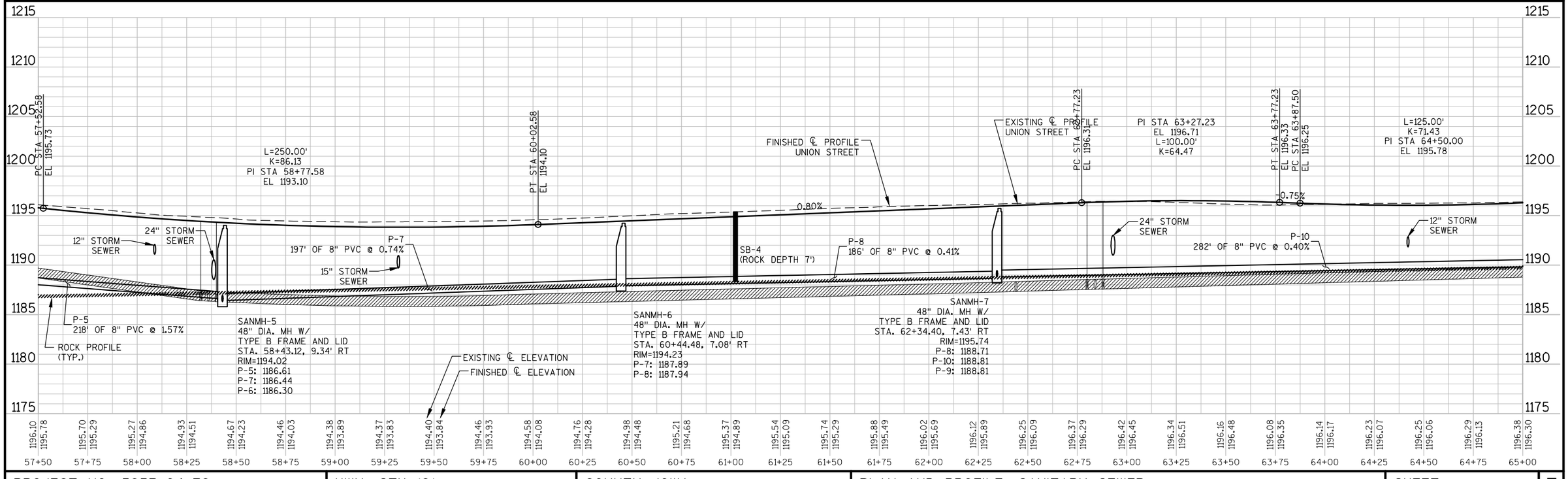


PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: SANITARY SEWER	SHEET 18	E

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_PIPE NETWORK.DWG
LAYOUT NAME - ****
PLOT DATE : 1/5/2018 1:04 PM PLOT BY : BALLWEG,THOMAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

SL*23-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*24-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*25-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*26-35' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*27-35' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*28-36' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*29-19' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*30-37' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*31-38' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*32-39' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"
SL*33-39' OF SANITARY SEWER LATERAL 4-INCH/SANITARY SEWER WYE 4"X8"

NOTE:
CONTRACTOR SHALL VERIFY DEPTH OF PROPOSED SANITARY MAIN & SANITARY LATERALS TO AVOID CONFLICTS WITH PROPOSED WATER MAIN & WATER SERVICES.

N

BRYAN E. MARTY & TARI J. ROCHON
414 E. DIVISION STREET

PATRICIA RODER
418 E. DIVISION STREET

JEFFREY A. FULLER
422 E. DIVISION STREET

JENNIFER B. HAMMOND
426 E. DIVISION STREET

JANICE M. PETERSON
502 E. DIVISION STREET

HILDING G. TRULEN, SUE ANN TRULEN, RICHARD W. GONINEN, MARY LOU GONINEN, DWIGHT J. TRULEN, NANCY A. TRULEN, STEVEN J. ALEXANDER, SANDRA J. ALEXANDER
506 E. DIVISION STREET

ANGELIQUE HERING
510 E. DIVISION STREET

ROBERT J. HILL
CHRISTINE M. ZIEGLER
CLARENCE M. ZIEGLER
512 E. DIVISION STREET

JASON A. SIDLAUSKAS & ALICIA L. SIDLAUSKAS
602 E. DIVISION STREET

THE RUFF FAMILY TRUST
606 E. DIVISION STREET

N. BISHOP STREET

8" WATER MAIN

MATCHLINE STA. 65+00

MATCHLINE STA. 72+50

ABANDONED EXISTING SANITARY LATERAL

R/W

SL#23 SL#24 SL#25 SL#26 SL#27 SL#28 SL#29 SL#30 SL#31 SL#32 SL#33

5 66 67 68 69 70 71 72

DIVISION STREET

P-11 P-12 P-13

SANMH-8
STA. 65+20.01, 8.08' RT
RIM=1196.24

SANMH-9
STA. 67+85.87, 5.60' RT
RIM=1198.20

SANMH-10
STA. 70+38.87, 8.96' RT
RIM=1203.62

SANITARY LATERAL OUT BACK TO GARDEN LANE

SHARON BARTLE
409 E. DIVISION STREET

THOMAS J. MCDONALD & JULIE ANN MCDONALD
413 E. DIVISION STREET

PETER GOEBEL & SHANNON GOEBEL
417 E. DIVISION STREET

THOMAS B. SIMMONS & BARBARA M. SIMMONS
421 E. DIVISION STREET

GARDEN LANE

8" WATER MAIN

EAGLE INVESTMENTS OF BARNEVELD
501 E. DIVISION STREET

THE BRENDA J. JUDD LIVING TRUST, JEFFREY D. THOMAS & KEELY E. THOMAS
505 E. DIVISION STREET

CITY OF DODGEVILLE

PI: 72+35.85

1220 1215 1210 1205 1200 1195 1190 1185 1180

PT STA 65+12.50
EL 1196.41

PC STA 65+36.00
EL 1196.64

PI STA 65+61.00
EL 1196.89
L=50.00'
K=100.00

PT STA 65+86.00
EL 1197.02

PC STA 66+90.00
EL 1197.54

L=350.00'
K=132.08
PI STA 68+65.00
EL 1198.41

EXISTING ℄ PROFILE UNION STREET

FINISHED ℄ PROFILE UNION STREET

PT STA 70+40.00
EL 1203.93

PC STA 71+10.00
EL 1206.13

1.00%

0.50%

3.15%

SB-5
(ROCK DEPTH 6.5')

SB-6
(ROCK DEPTH 5.5')

12" STORM SEWER

ROCK PROFILE (TYP.)

P-10
282' OF 8" PVC @ 0.40%

P-11
262' OF 8" PVC @ 0.42%

P-12
249' OF 8" PVC @ 1.04%

P-13
355' OF 8" PVC @ 1.16%

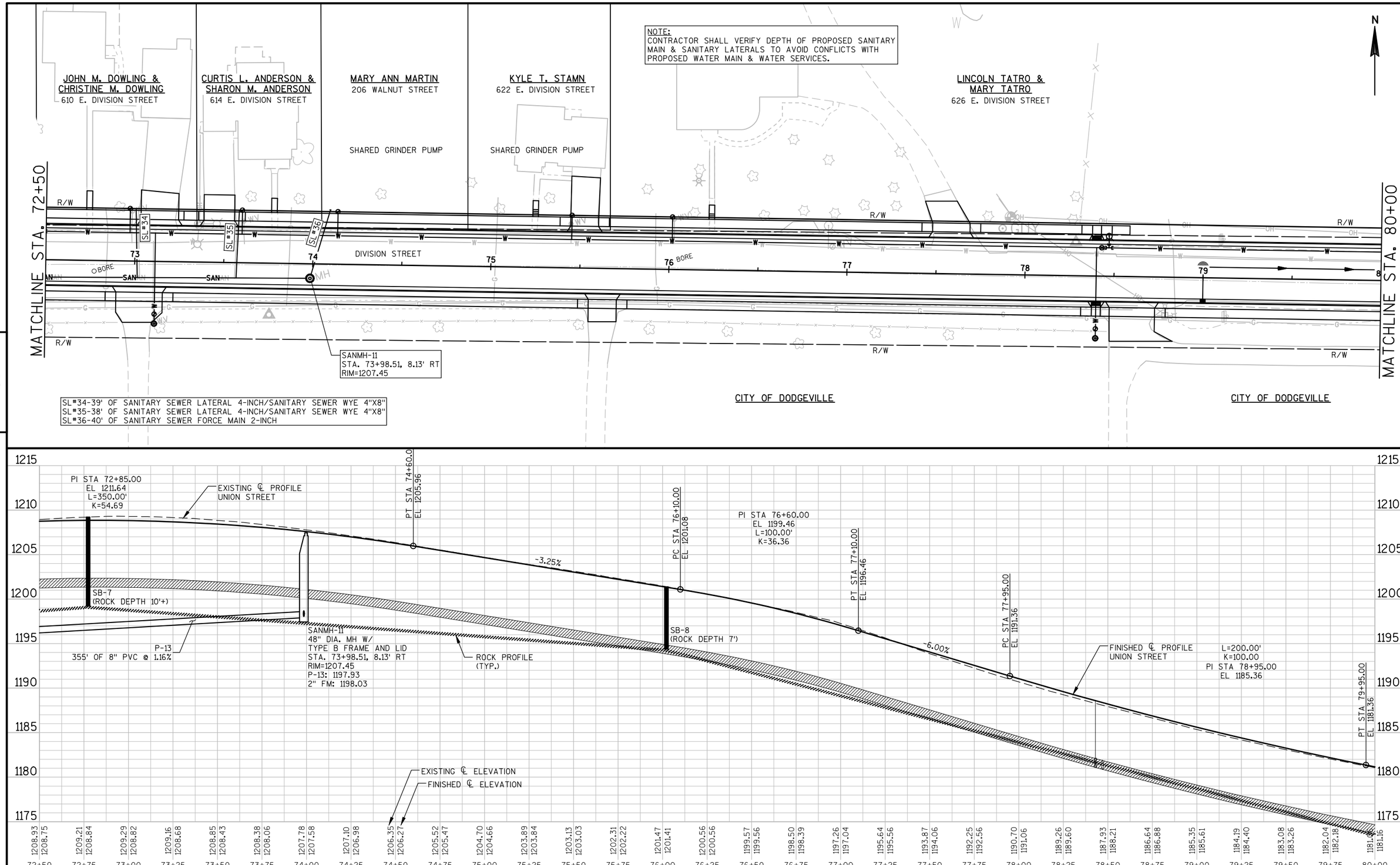
SANMH-8
48" DIA. MH W/TYPE B FRAME AND LID
STA. 65+20.01, 8.08' RT
RIM=1196.24
P-10: 1189.94
P-11: 1189.97

SANMH-9
48" DIA. MH W/
TYPE B FRAME AND LID
STA. 67+85.87, 5.60' RT
RIM=1198.20
P-11: 1191.07
P-12: 1191.19

SANMH-10
48" DIA. MH W/
TYPE B FRAME AND LID
STA. 70+38.87, 8.96' RT
RIM=1203.62
P-12: 1193.78
P-13: 1193.81

EXISTING ℄ ELEVATION
FINISHED ℄ ELEVATION

| | | |



PROJECT NO: 5953-04-72	HWY: STH 191	COUNTY: IOWA	PLAN AND PROFILE: SANITARY SEWER	SHEET 20	E

FILE NAME : S:\PROJECTS\D23110 DODGEVILLE - STH 191 UTILITIES\DESIGN\D23110_PIPE NETWORK.DWG
LAYOUT NAME - ####
PLOT DATE : 1/5/2018 1:05 PM PLOT BY : BALLWEG,THOMAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov