

LEGEND

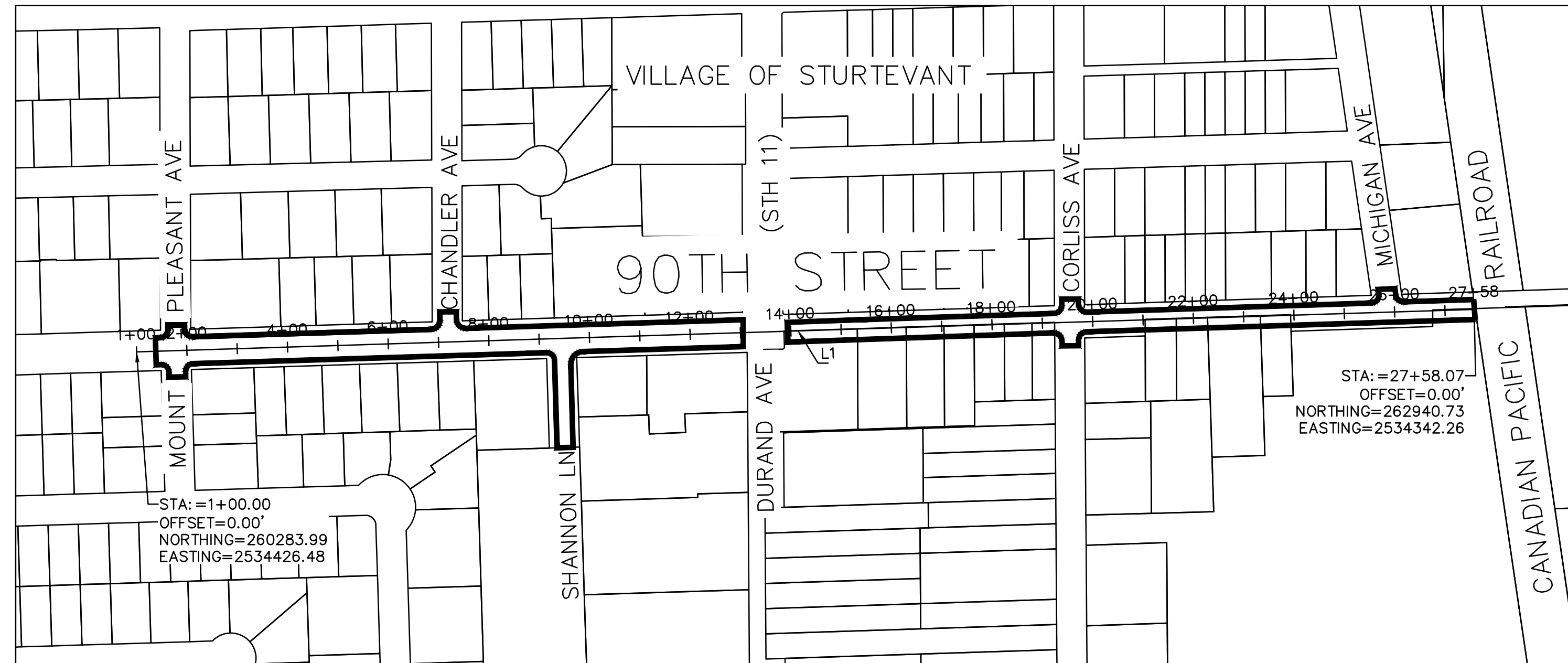
- ▲ BENCHMARK
- SECTION CORNER
- IRON PIPE FOUND
- IRON PIPE SET
- BOLLARD
- + SOIL BORING/MONITORING WELL/CORE LOCATION
- † FLAGPOLE
- ⌵ MAILBOX
- SIGN
- BILLBOARD
- CONTROL BOX
- ⊕ TRAFFIC SIGNAL
- ⌵ RAILROAD CROSSING SIGNAL
- CABLE PEDESTAL
- ⊗ POWER POLE
- ⌵ GUY POLE
- ⌵ GUY WIRE
- ⊕ LIGHT POLE
- × GROUND OR OTHER SPOT SHOT
- ♿ HANDICAPPED PARKING
- ⊙ ELECTRIC MANHOLE
- ⊙ ELECTRIC PEDESTAL
- ⊙ ELECTRIC METER
- ⊙ TELEPHONE MANHOLE
- ⊙ TELEPHONE PEDESTAL
- ⊙ MARKED FIBER OPTIC
- ⊙ GAS VALVE
- ⊙ GAS METER
- ⊙ STORM MANHOLE
- ⊙ ROUND INLET
- ⊙ CATCH BASIN
- ⌵ STORM SEWER END SECTION
- SANITARY MANHOLE
- ⌵ SANITARY CLEANOUT OR SEPTIC VENT
- ⊙ SANITARY INTERCEPTOR MANHOLE
- ⊙ MISCELLANEOUS MANHOLE
- ⊙ WATER VALVE
- HYDRANT
- ⊙ WATER SERVICE CURB STOP
- ⊙ WATER MANHOLE
- ⌵ WELL
- ⌵ WATER SURFACE
- ⌵ WETLANDS FLAG
- ▲ MARSH
- ★ CONIFEROUS TREE
- DECIDUOUS TREE
- SHRUB
- — — — — EDGE OF TREES
- S — — — — — SANITARY SEWER
- STO — — — — — STORM SEWER
- W — — — — — WATERMAIN
- G — — — — — MARKED GAS MAIN
- E — — — — — MARKED ELECTRIC
- OHW — — — — — OVERHEAD WIRES
- B — — — — — BUREAU ELEC. SERV.
- T — — — — — MARKED TELEPHONE
- TV — — — — — MARKED CABLE TV LINE
- FO — — — — — MARKED FIBER OPTIC
- FM — — — — — FORCE MAIN

VILLAGE OF STURTEVANT RACINE COUNTY, WISCONSIN

90TH STREET PAVING PROJECT FROM: MOUNT PLEASANT AVE TO: CANADIAN PACIFIC RAILROAD

LOCATION MAP

1" = 200'



90TH ST REFERENCE																
Number	PI (STA)	PI (Y)	PI (X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	DB	DA	END PI (STA)	END PI (Y)	END PI (X)
L1	1+00.00	260283.99	2534426.48										N1°48'57"W	27+58.07	262940.73	2534342.26

SURVEY FIELD DATE
March 23, 2023

HORIZONTAL DATUM
Wisconsin State Plane Coordinate System, South Zone (NAD83/2011).

REFERENCE POINTS
Concrete Monument with cap marking the Northeast corner of Section 28
N:261530.86
E:2534388.07

VERTICAL DATUM
NAVD88

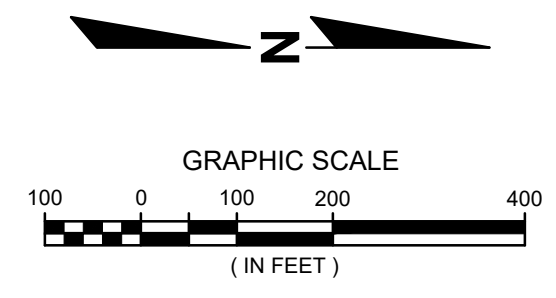
STARTING BENCHMARK
P#1023
Top hydrant bolt
Elevation = 706.14

SITE BENCHMARKS
Mount Pleasant Ave. - BM 1026, CP 26
Chandler Ave. - BM 1025, CP 25
Shannon Lane - BM 1024, CP 24
Durand Ave. - BM 1023 (PROJECT RBM), CP 23
Corliss Ave. - BM 1022, CP 22
Michigan Ave. - BM 1020, CP 20

DIGGERS HOTLINE TICKET NO.
Mount Pleasant Ave. - 20231002813
Chandler Ave. - 20231002825
Shannon Lane - 20231002836
Durand Ave. - 20231002845
Corliss Ave. - 20231002851
Michigan Ave. - 20231002856

Due to existing snow cover, there may be improvements on the site that were not visible or observed as of the date of this survey.

Disclaimer:
The above vertical and horizontal reference points were measured on the field date listed hereon for the purpose of locating visible improvements and elevations illustrated on the design survey. The reference points are not intended for construction purposes nor is the perpetuation and/or protection of the reference points ensured. All reference points must be field verified prior to use in construction and/or layout staking.



PLAN INDEX SHEET NO.	DESCRIPTION
01	COVER SHEET
02-03	PAVING EXHIBITS
04-08	CURB RAMP PLANS
09-10	STORM SEWER PLAN & PROFILES
11-12	PAVEMENT MARKING PLANS
13-19	DETAILS

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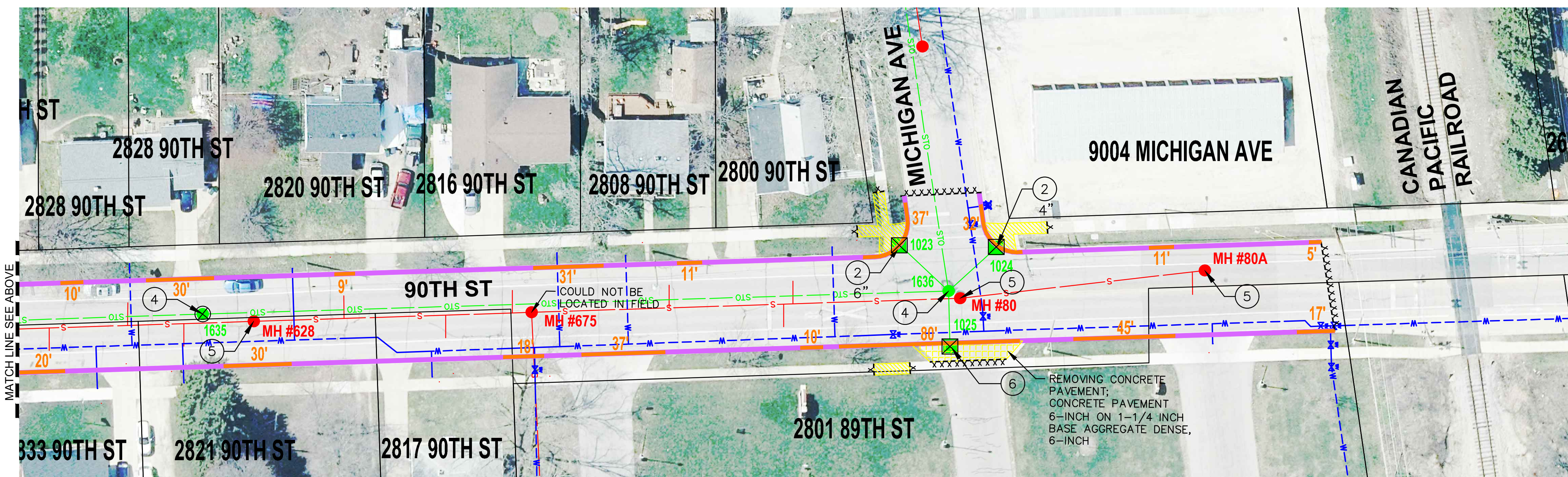
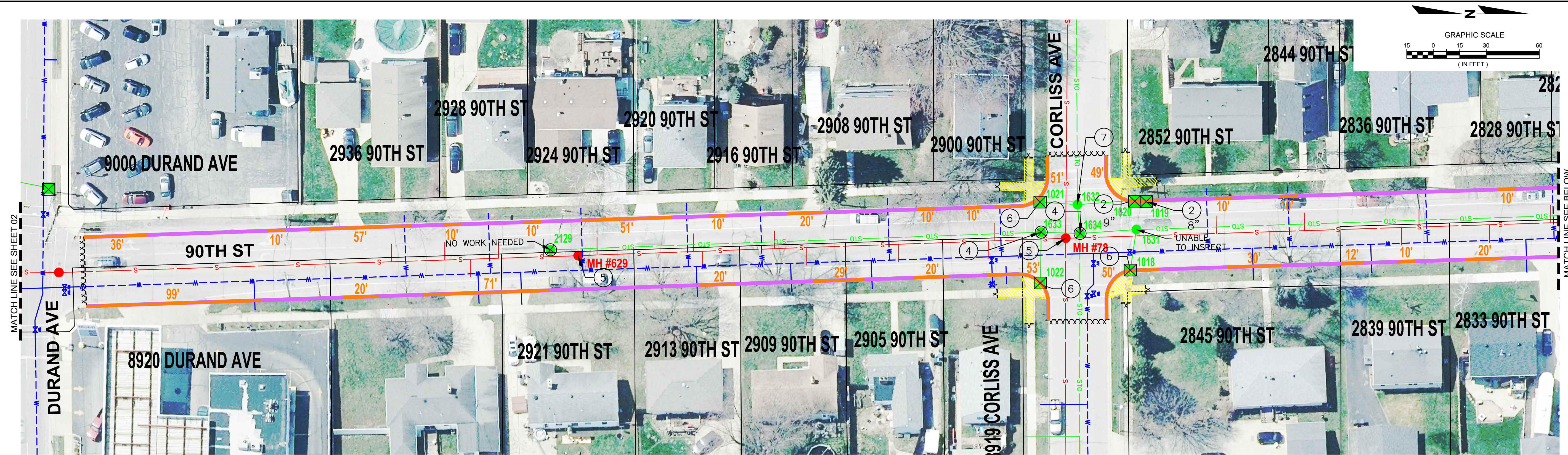


OWNER:
VILLAGE OF STURTEVANT
2801 89TH STREET
STURTEVANT, WI 53177

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DATE	
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VILLAGE OF STURTEVANT RACINE COUNTY, WISCONSIN	90TH STREET COVER SHEET
<p>Preliminary Not for Construction</p>	
© COPYRIGHT 2023 R.A. Smith, Inc.	
DATE: 04/25/2023	
SCALE: 1" = 200'	
JOB NO. 2232103	
PROJECT MANAGER: JASON M. FEUCHT, P.E.	
DESIGNED BY: AEL	
CHECKED BY: JMF	
SHEET NUMBER	
01	



LEGEND:

- WATER VALVE
- HYDRANT
- WATER MAIN
- EXISTING CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER
- SANITARY MANHOLE
- SANITARY SEWER
- EXISTING CURB
- PAVEMENT SAWCUTTING
- REMOVING CURB & GUTTER, CONCRETE CURB & GUTTER 30-INCH TYPE D (LF)
- REMOVING CONCRETE SIDEWALK
- INLET PROTECTION TYPE B (SEE DETAIL)
- INLET PROTECTION TYPE C (SEE DETAIL)

NOTE: PAVEMENT SAWCUTTING REQUIRED FOR CURB REMOVAL NOT SHOWN FOR CLARITY

STRUCTURE LEGEND

1 ADJUSTING STORM MANHOLES (CHIMNEY DEPTH)	4 TUCKPOINTING STORM STRUCTURES
2 ADJUSTING INLETS (CHIMNEY DEPTH)	5 TUCKPOINTING SANITARY MANHOLES
3 ADJUSTING SANITARY MANHOLES (CHIMNEY DEPTH)	6 REMOVING INLETS
	7 REMOVING MANHOLES

DESCRIPTION	
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VILLAGE OF STURTEVANT	<p>90TH STREET</p> <p>Preliminary Not for Construction</p>
RACINE COUNTY, WISCONSIN	
<p>© COPYRIGHT 2023 R.A. Smith, Inc.</p> <p>DATE: 04/25/2023</p> <p>SCALE: 1" = 30'</p> <p>JOB NO. 2232103</p> <p>PROJECT MANAGER: JASON M. FEUCHT, P.E.</p> <p>DESIGNED BY: AEL</p> <p>CHECKED BY: JMF</p> <p>SHEET NUMBER 03</p>	

LEGEND

XXX.XX PROPOSED SPOT GRADE

XXX.XX (E) EXISTING SPOT GRADE

F XXX.XX PROPOSED FLANGE SPOT GRADE

G XXX.XX PROPOSED GUTTER SPOT GRADE

TC XXX.XX PROPOSED TOP BACK OF CONCRETE CURB PEDESTRIAN

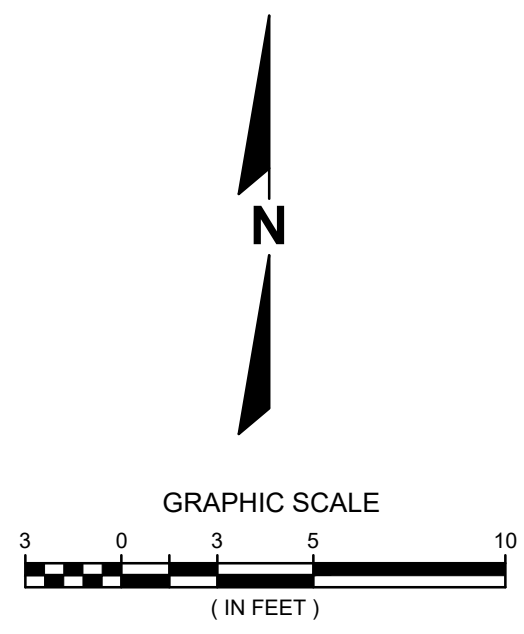
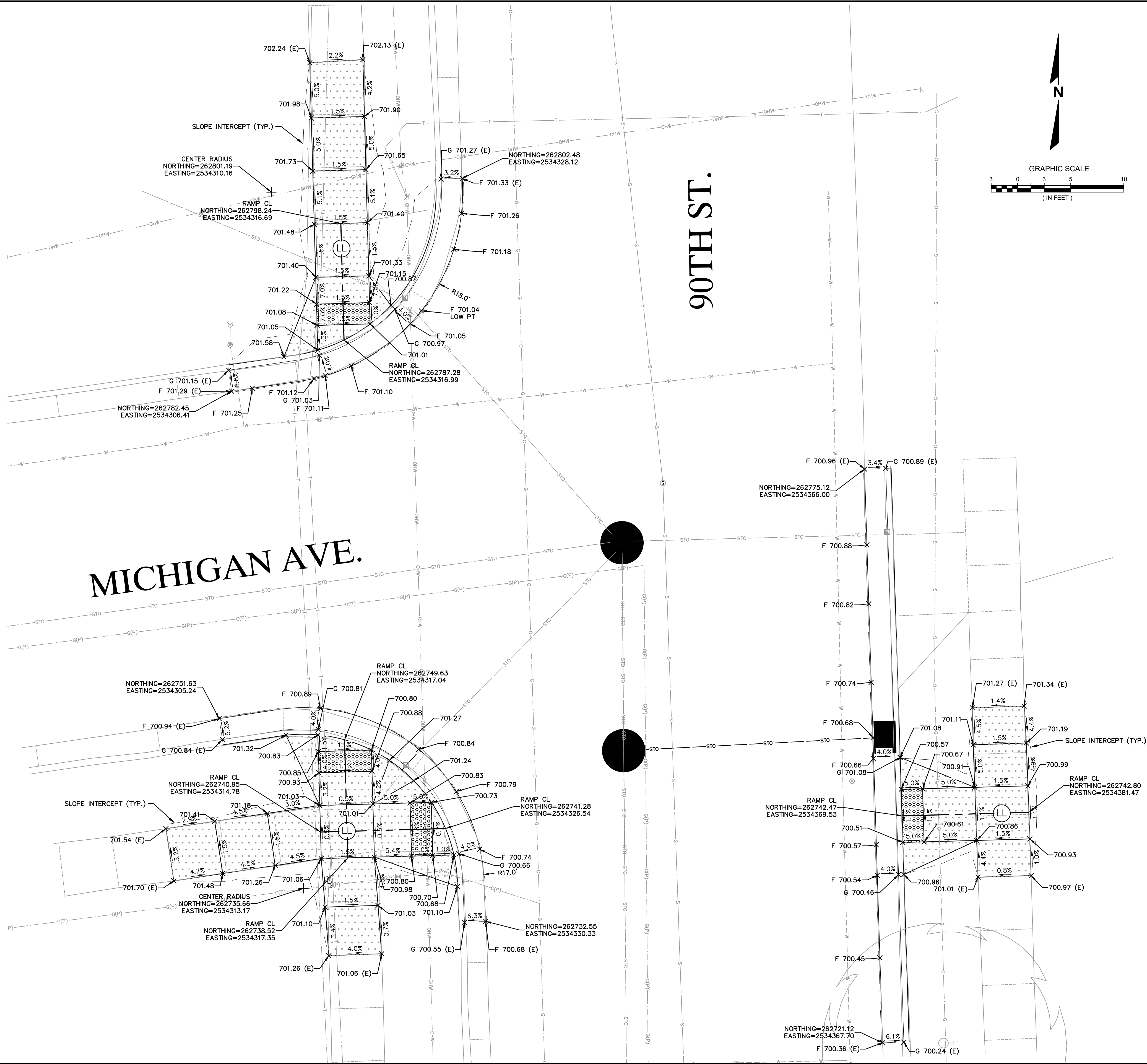
1.5% PROPOSED SLOPE/FLOW DIRECTION

(LL) LANDING AREA

PROPOSED CONCRETE SIDEWALK 4-INCH

PROPOSED DETECTABLE WARNING FIELD

- NOTES:**
1. ALL CURB RAMP OPENINGS SHOULD BE 5.5' ALONG B.O.C. TO ACCOMMODATE ROOM FOR DETECTABLE WARNING FIELDS.
 2. CONTRACTOR TO COORDINATE WITH PROPERTY OWNERS FOR REMOVAL OF LANDSCAPE ITEMS NEAR BACK OF WALK TO ALLOW FOR NEW SIDEWALK CONSTRUCTION.
 3. ALL EXISTING CURB AND SIDEWALK SHALL BE SAWCUT FULL DEPTH AND TO THE NEAREST JOINT.
 4. ALL NEW CONCRETE CURB & GUTTER SHALL BE 30" TYPE D CURB UNLESS OTHERWISE NOTED.
 5. ALL SPOT GRADES ARE FINISHED GRADES. CURB GRADES ARE FLANGE GRADES UNLESS OTHERWISE NOTED.
 6. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
 7. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 8. DASHED LINES SHOWN REPRESENT RAMP CENTERLINES, JOINTS, AND BREAK POINT LOCATIONS WITHIN THE RAMP.
 9. SEE DETAILS IN BACK OF PLAN FOR ADDITIONAL CURB RAMP DETAILS.



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90TH STREET
VILLAGE OF STURTEVANT

Preliminary 90TH STREET PAVING PROJECT
Not for Construction

PAVING EXHIBIT

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DATE: 04/25/2023

SCALE: 1" = 5'

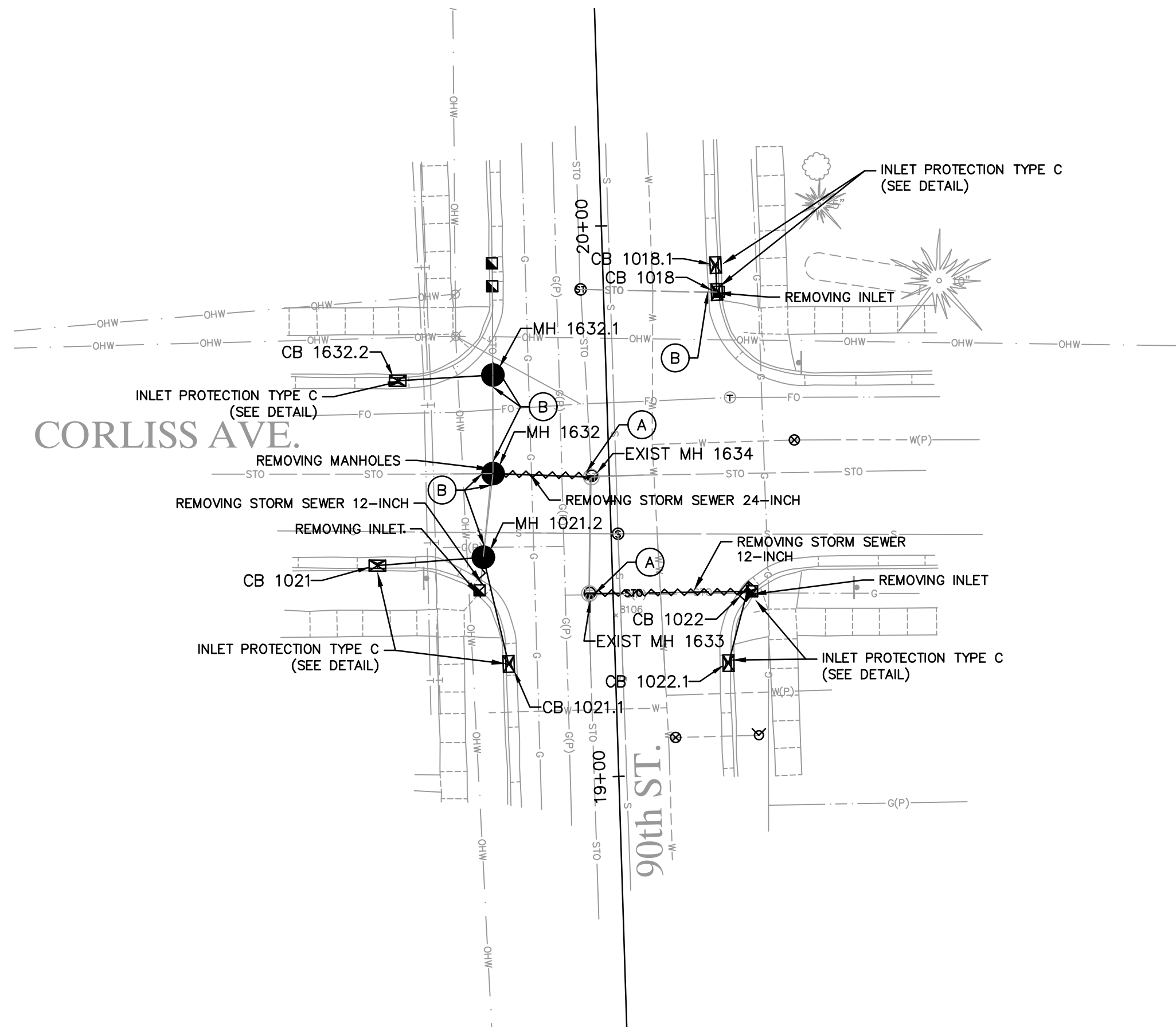
JOB NO. 2232103

PROJECT MANAGER:
JASON M. FEUCHT, P.E.

DESIGNED BY: AEL

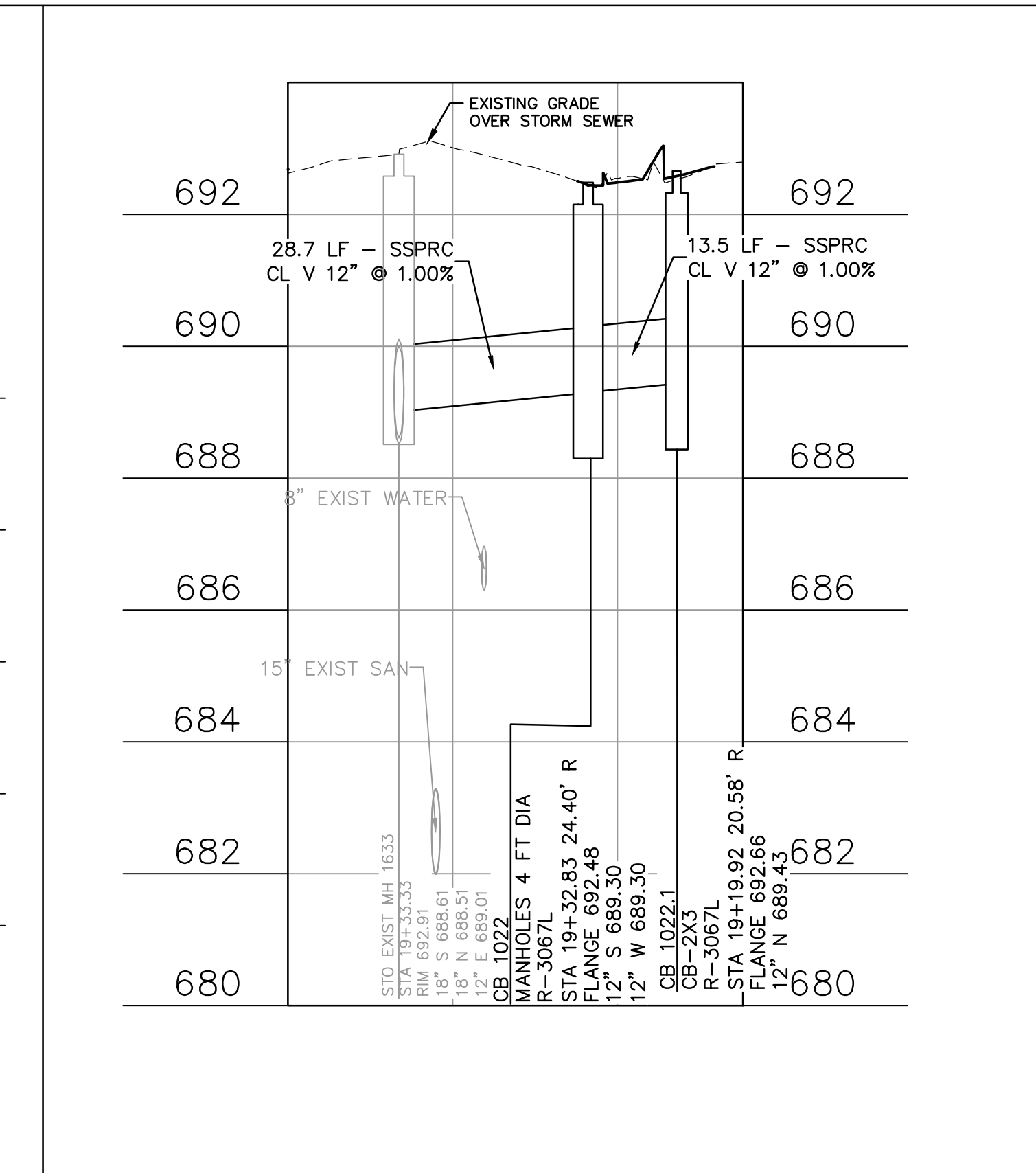
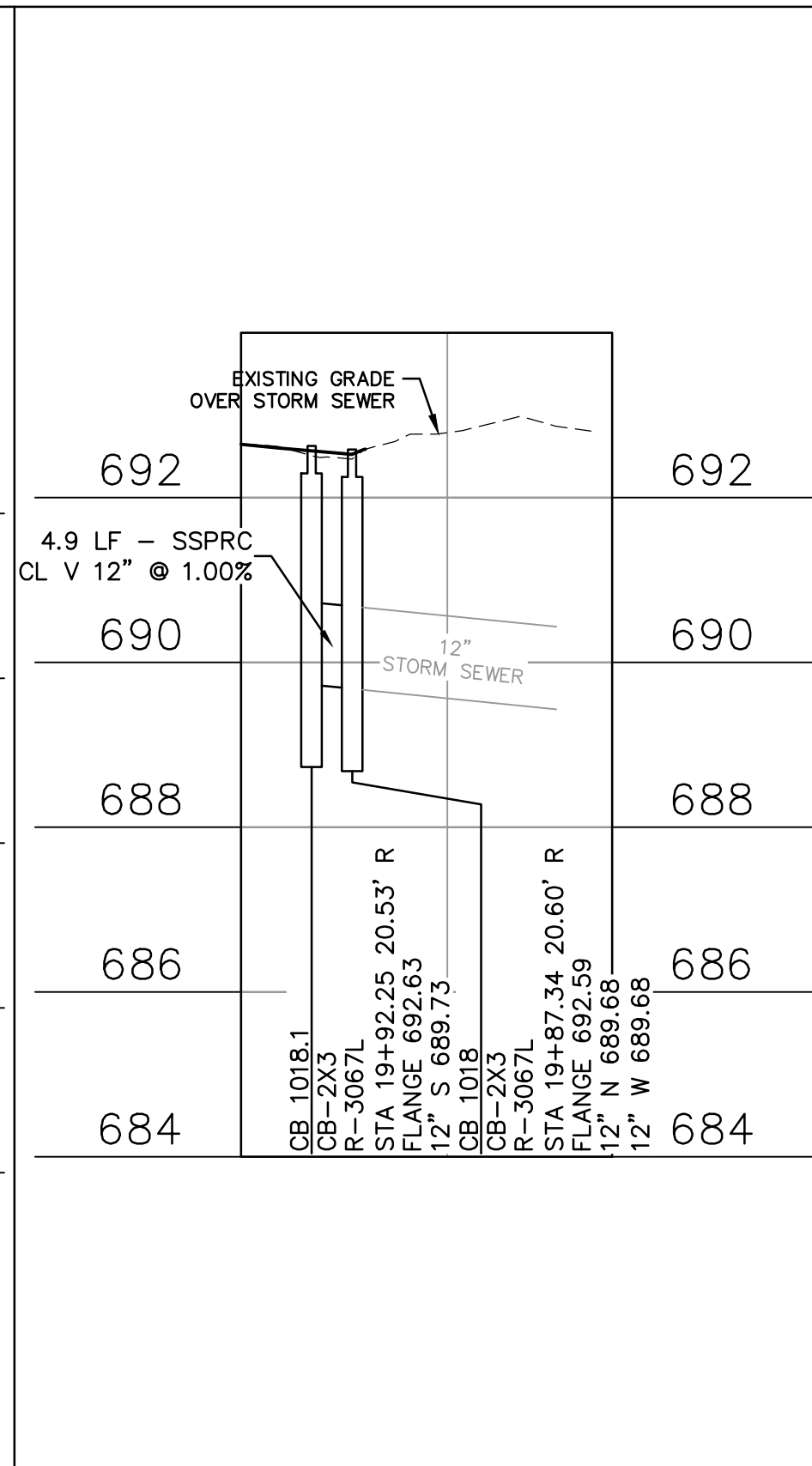
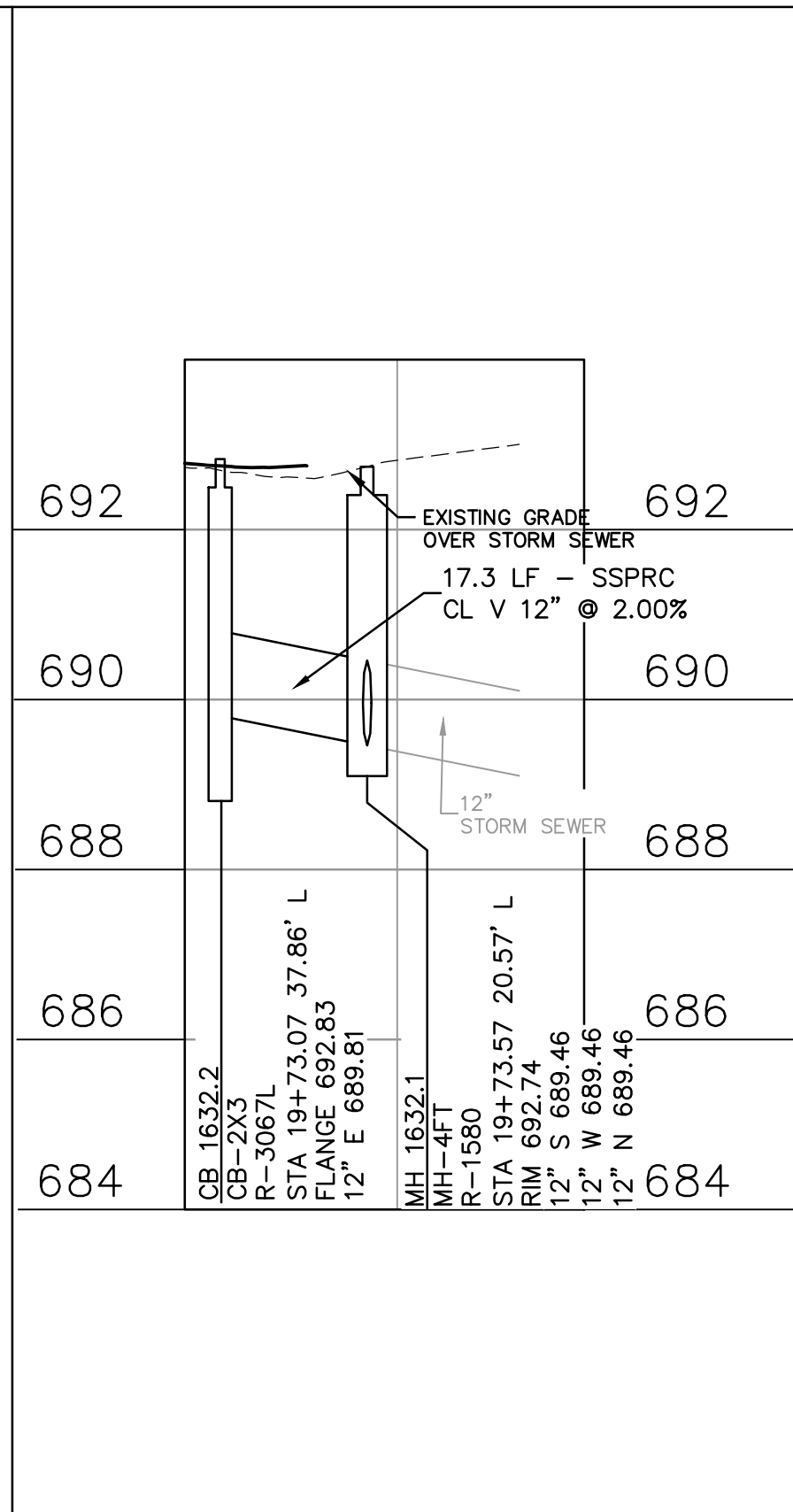
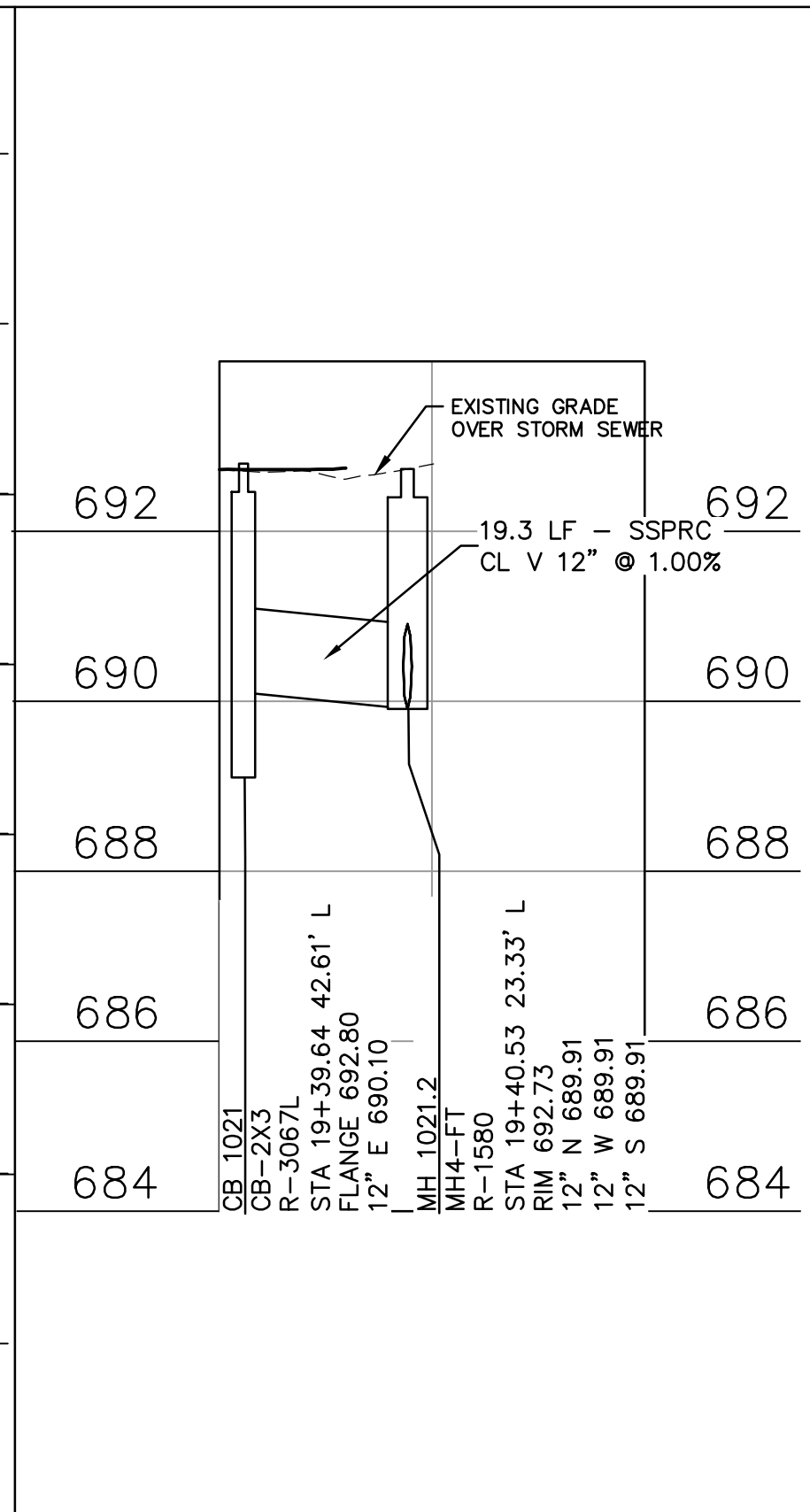
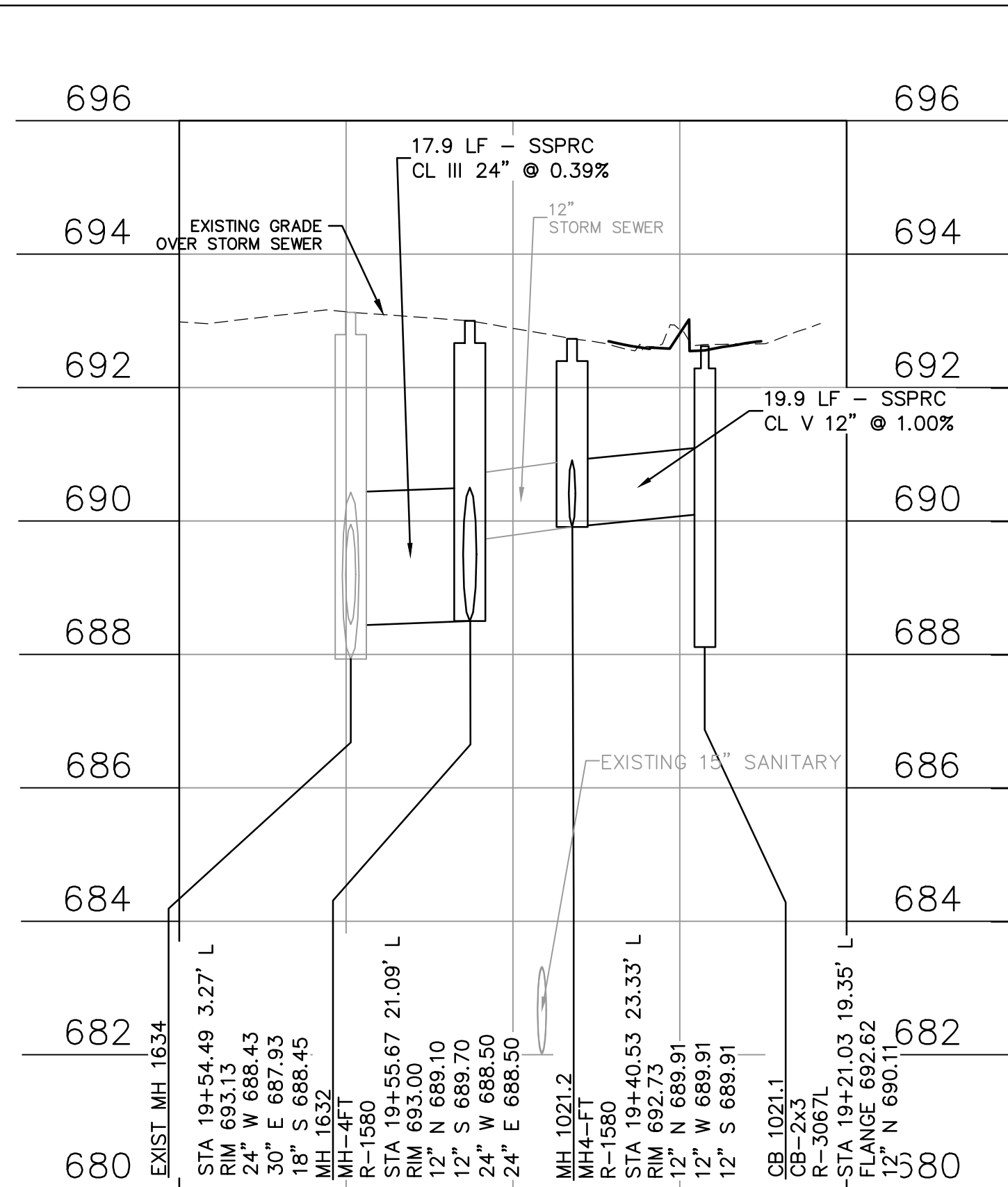
CHECKED BY: JMF

SHEET NUMBER
08



STORM SEWER NOTES:

- (A) CONNECT PROPOSED PIPE TO EXISTING STRUCTURE WITH CONCRETE COLLAR. COST INCIDENTAL TO WORK.
- (B) CONNECT EXISTING PIPE TO PROPOSED STRUCTURE WITH CONCRETE COLLAR. COST INCIDENTAL TO WORK.



DATE	DESCRIPTION

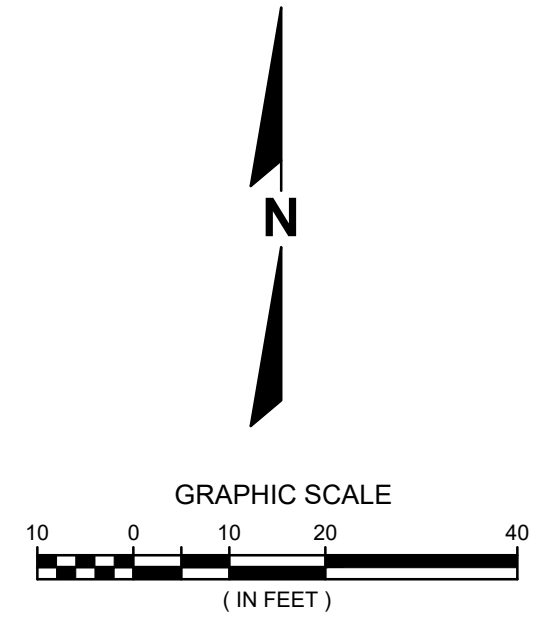
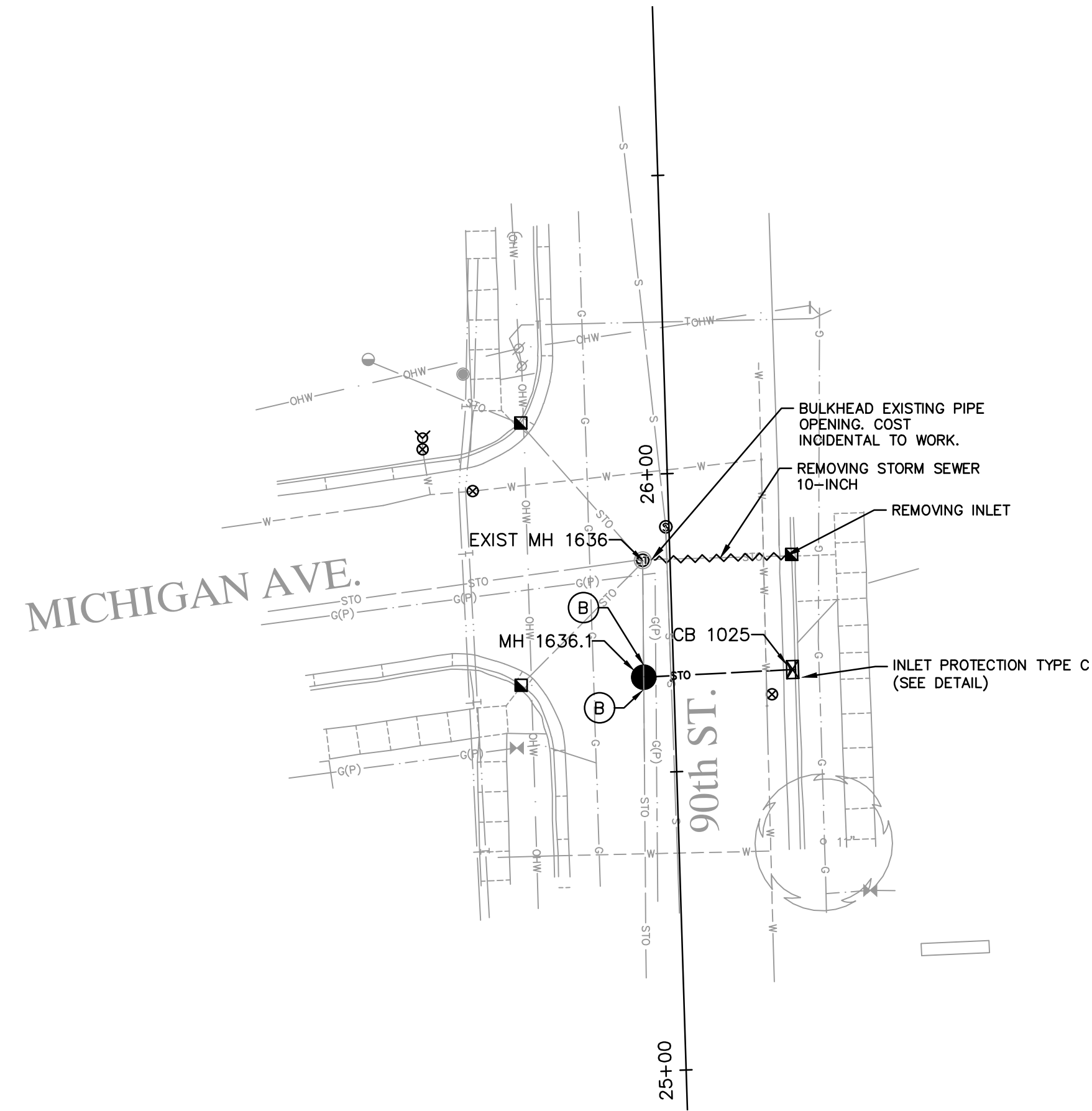
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RACINE COUNTY, WISCONSIN
90TH STREET
PAVING EXHIBIT

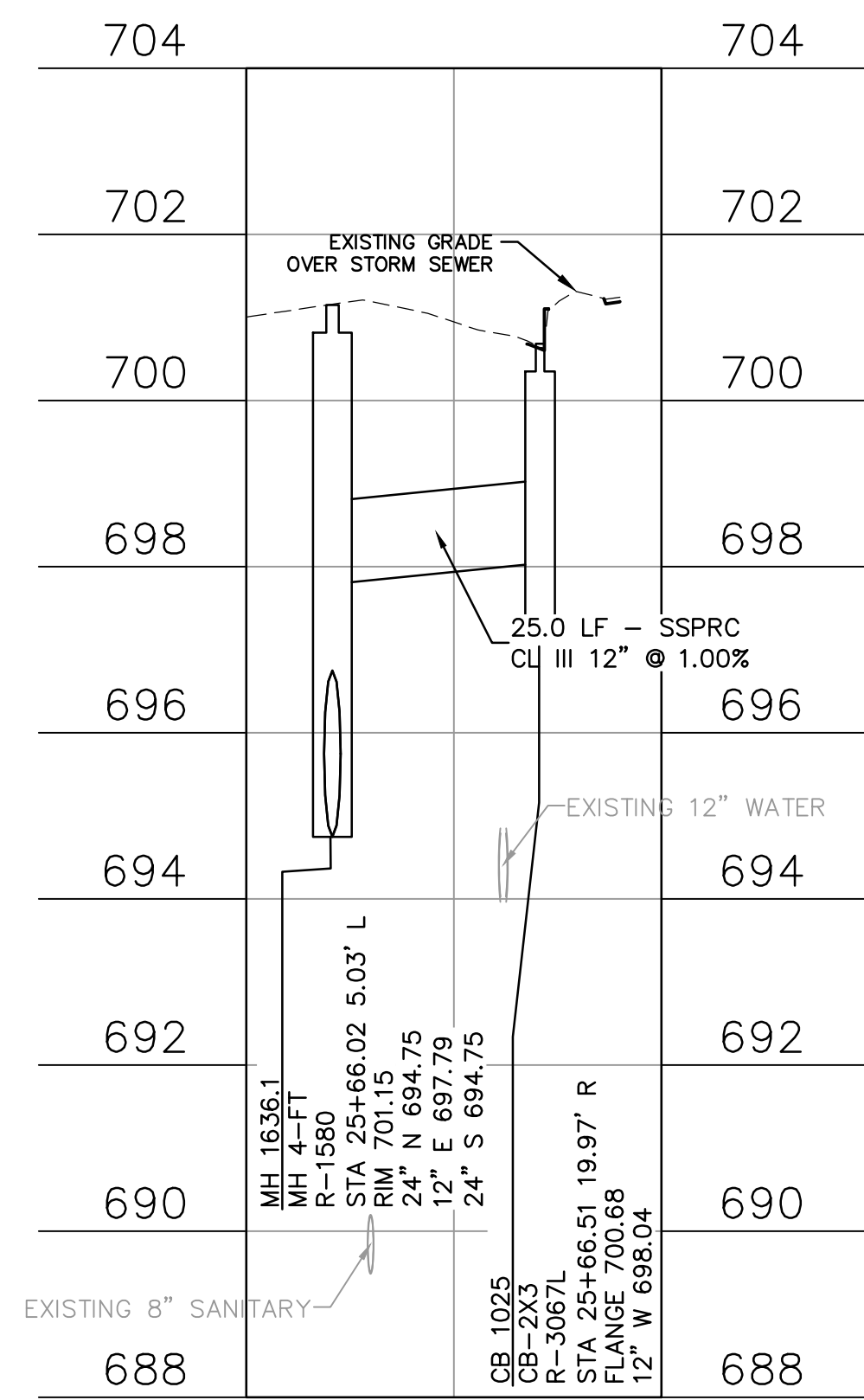
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DATE: 04/25/2023
SCALE: 1" = 20'
JOB NO. 2232103
PROJECT MANAGER: JASON M. FEUCHT, P.E.
DESIGNED BY: AEL
CHECKED BY: JMF
SHEET NUMBER
09



STORM SEWER NOTES:

- (A) CONNECT PROPOSED PIPE TO EXISTING STRUCTURE WITH CONCRETE COLLAR. COST INCIDENTAL TO WORK.
- (B) CONNECT EXISTING PIPE TO PROPOSED STRUCTURE WITH CONCRETE COLLAR. COST INCIDENTAL TO WORK.



DESCRIPTION

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DATE: 04/25/2023

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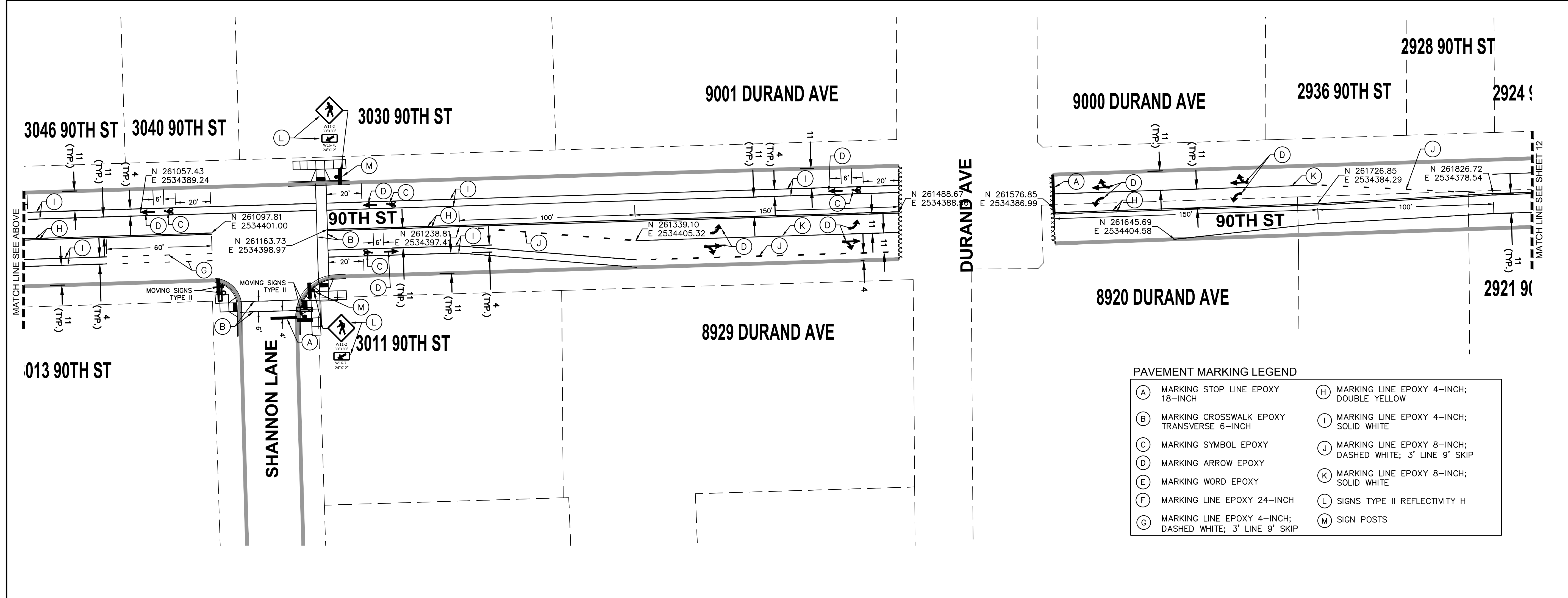
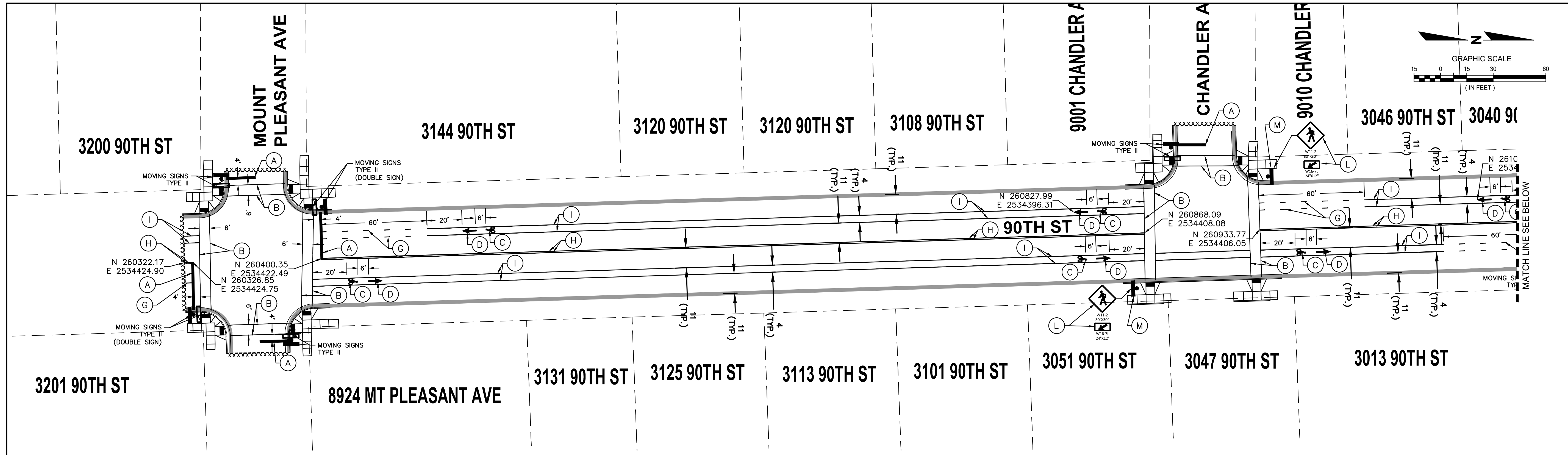
PROJECT MANAGER:
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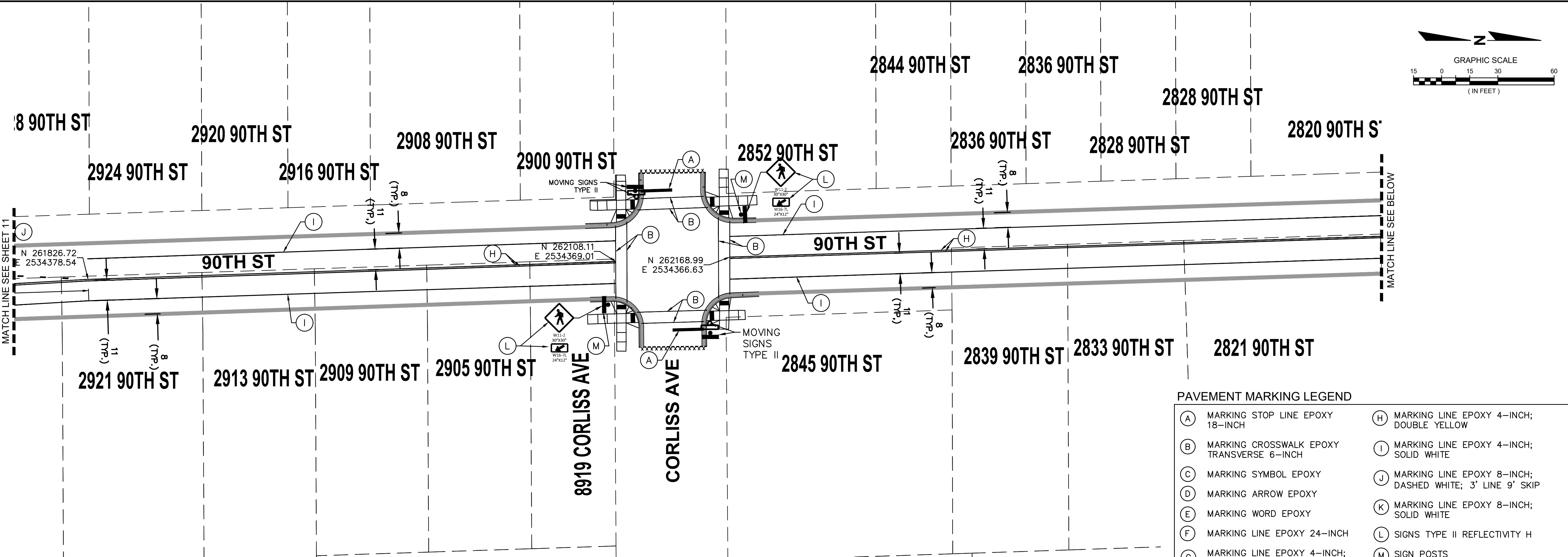
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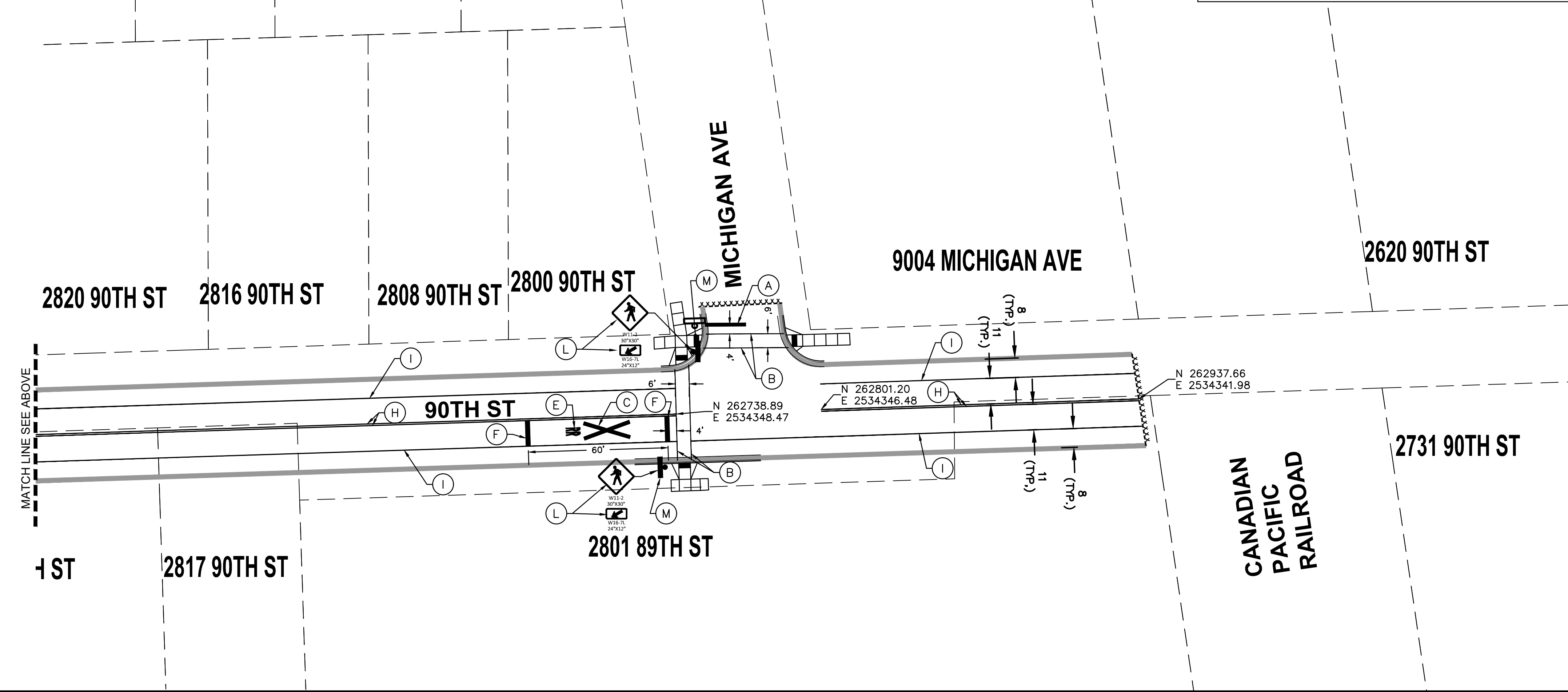


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VILLAGE OF STURTEVANT RACINE COUNTY, WISCONSIN	90TH STREET
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DATE: 04/25/2023	
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JOB NO. 2232103	
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SHEET NUMBER	
11	



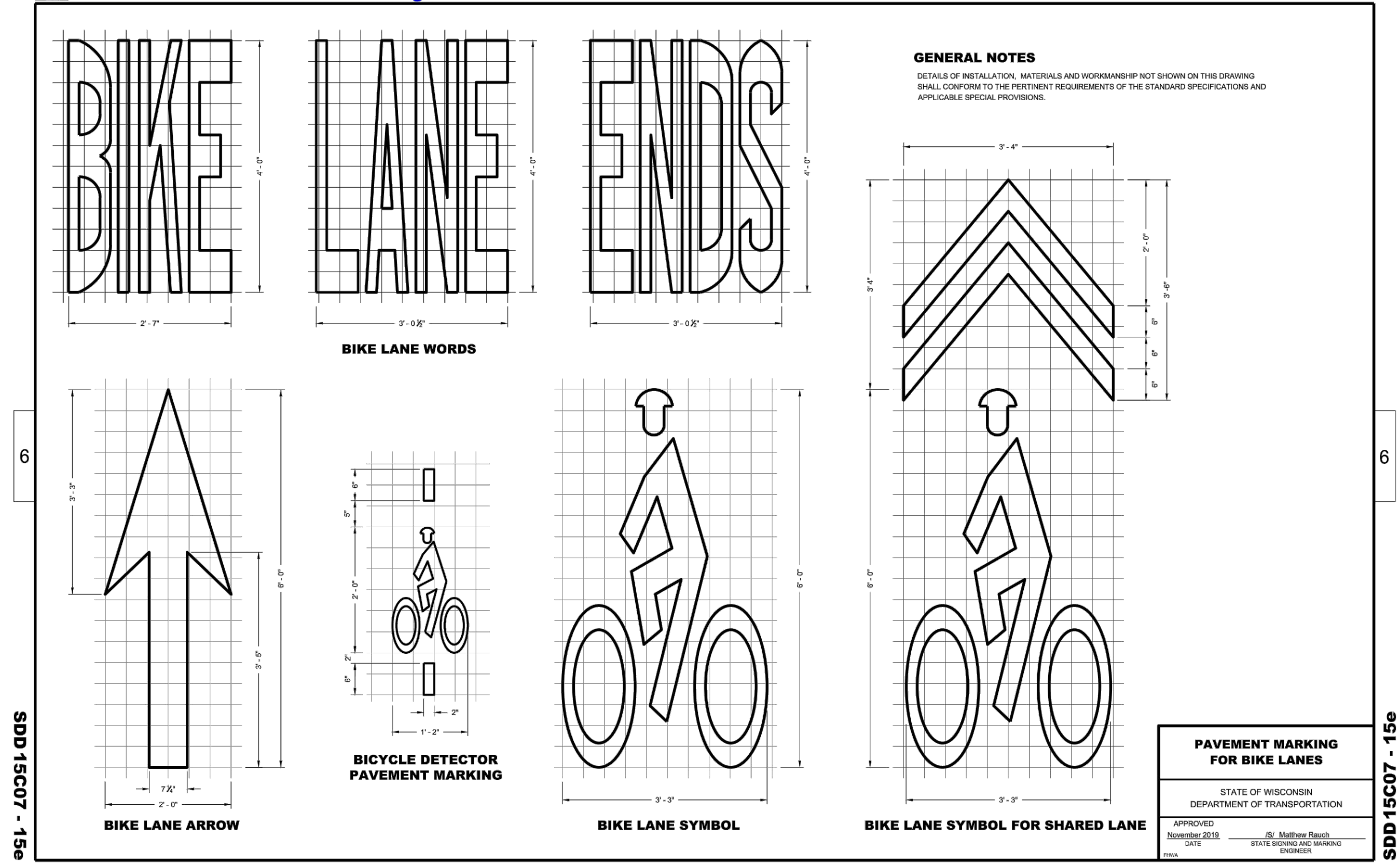
PAVEMENT MARKING LEGEND

(A) MARKING STOP LINE EPOXY 18-INCH	(H) MARKING LINE EPOXY 4-INCH; DOUBLE YELLOW
(B) MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH	(I) MARKING LINE EPOXY 4-INCH; SOLID WHITE
(C) MARKING SYMBOL EPOXY	(J) MARKING LINE EPOXY 8-INCH; DASHED WHITE; 3' LINE 9' SKIP
(D) MARKING ARROW EPOXY	(K) MARKING LINE EPOXY 8-INCH; SOLID WHITE
(E) MARKING WORD EPOXY	(L) SIGNS TYPE II REFLECTIVITY H
(F) MARKING LINE EPOXY 24-INCH	(M) SIGN POSTS
(G) MARKING LINE EPOXY 4-INCH; DASHED WHITE; 3' LINE 9' SKIP	



DESCRIPTION	
DATE	
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com raSmith CREATIVITY BEYOND ENGINEERING	
Village of Sturtevant Racine County, Wisconsin 90th Street Preliminary Not for Construction Pavement Markings	
© COPYRIGHT 2023 R.A. Smith, Inc. DATE: 04/25/2023 SCALE: 1" = 30' JOB NO. 2232103 PROJECT MANAGER: JASON M. FEUCHT, P.E. DESIGNED BY: AEL CHECKED BY: JMF SHEET NUMBER 12	

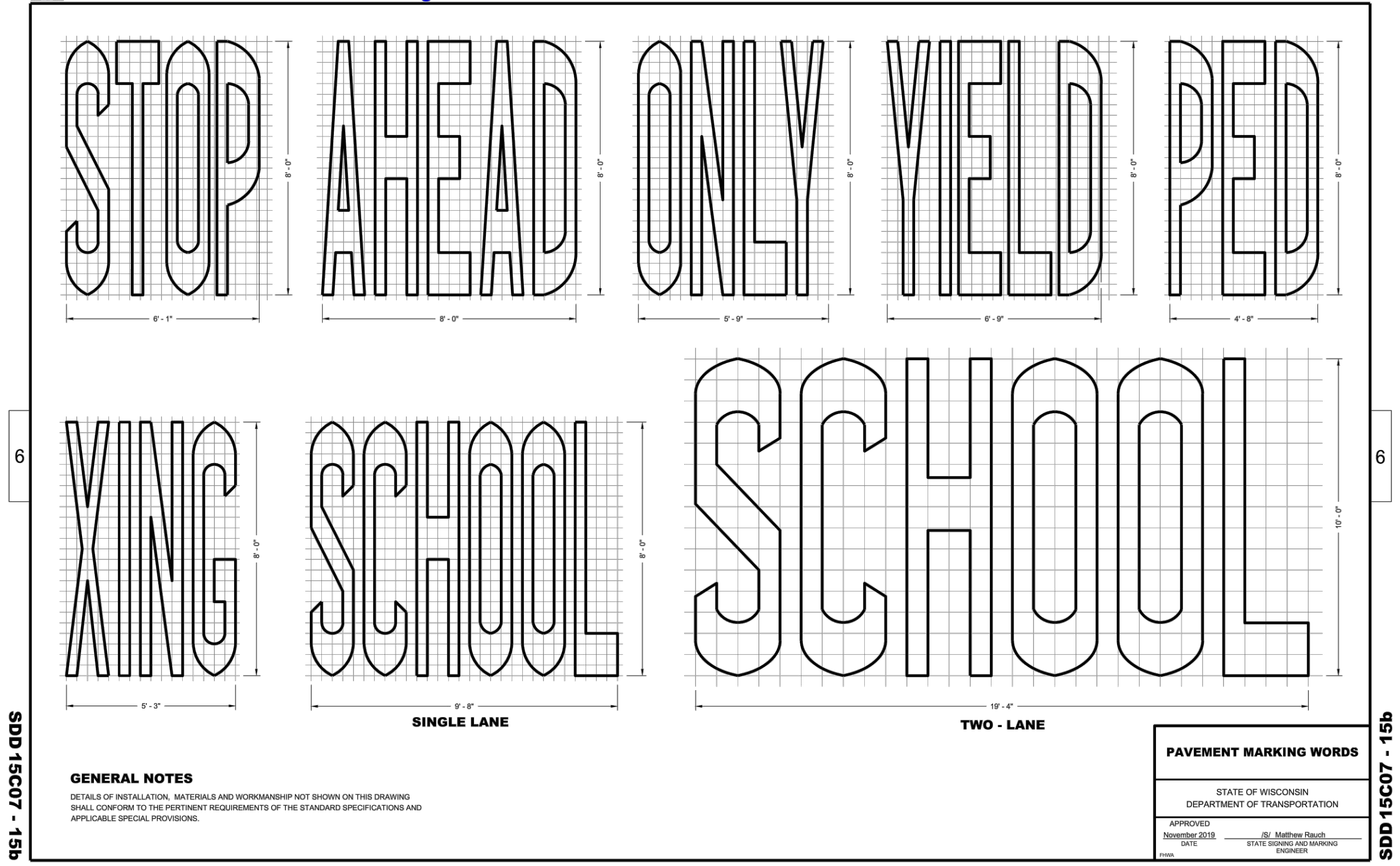
SDD 15C7-e Pavement Marking For Bike Lanes



SDD 15C07 - 15e

SDD 15C07 - 15e

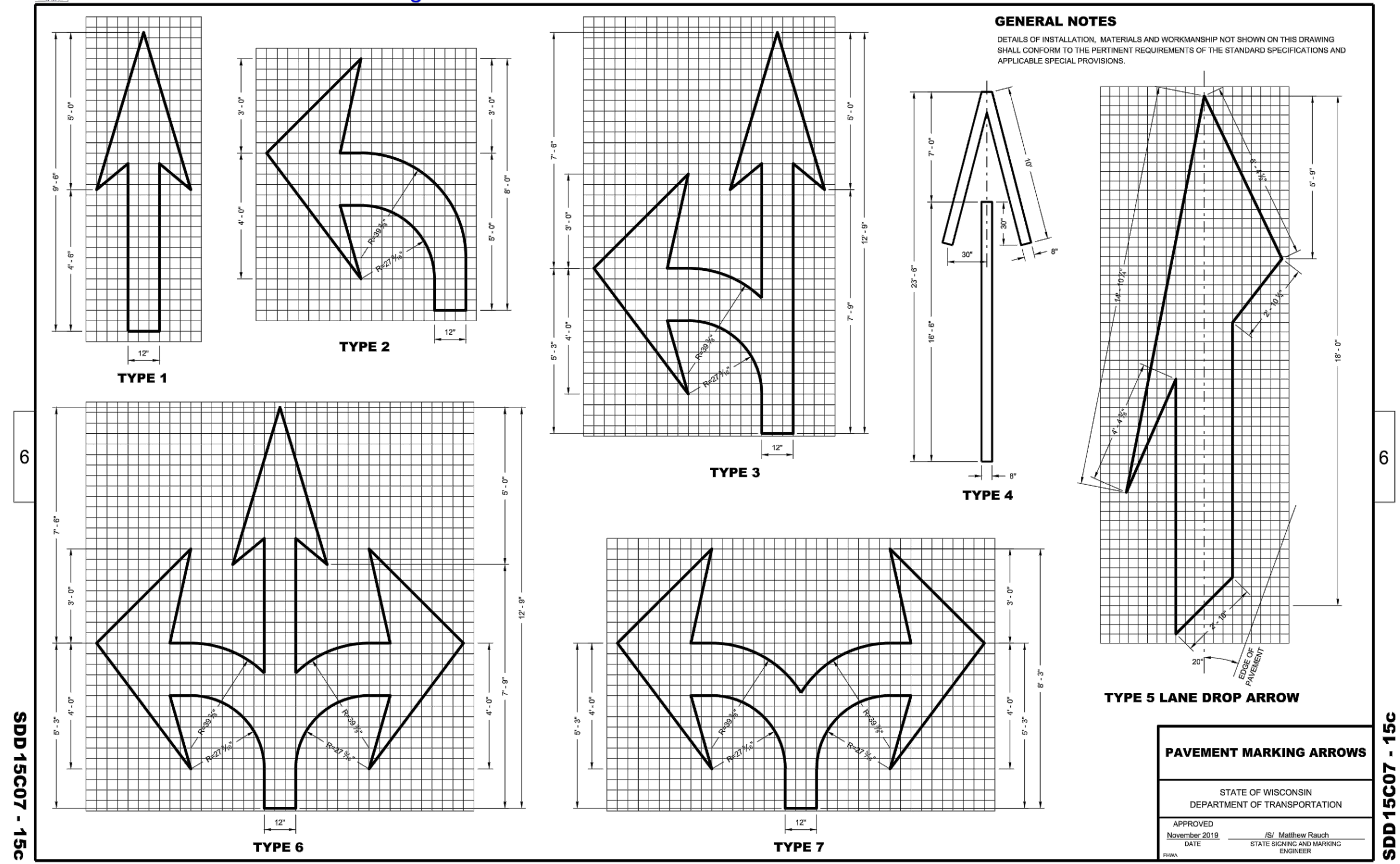
SDD 15C07-b Pavement Marking Words



SDD 15C07 - 15b

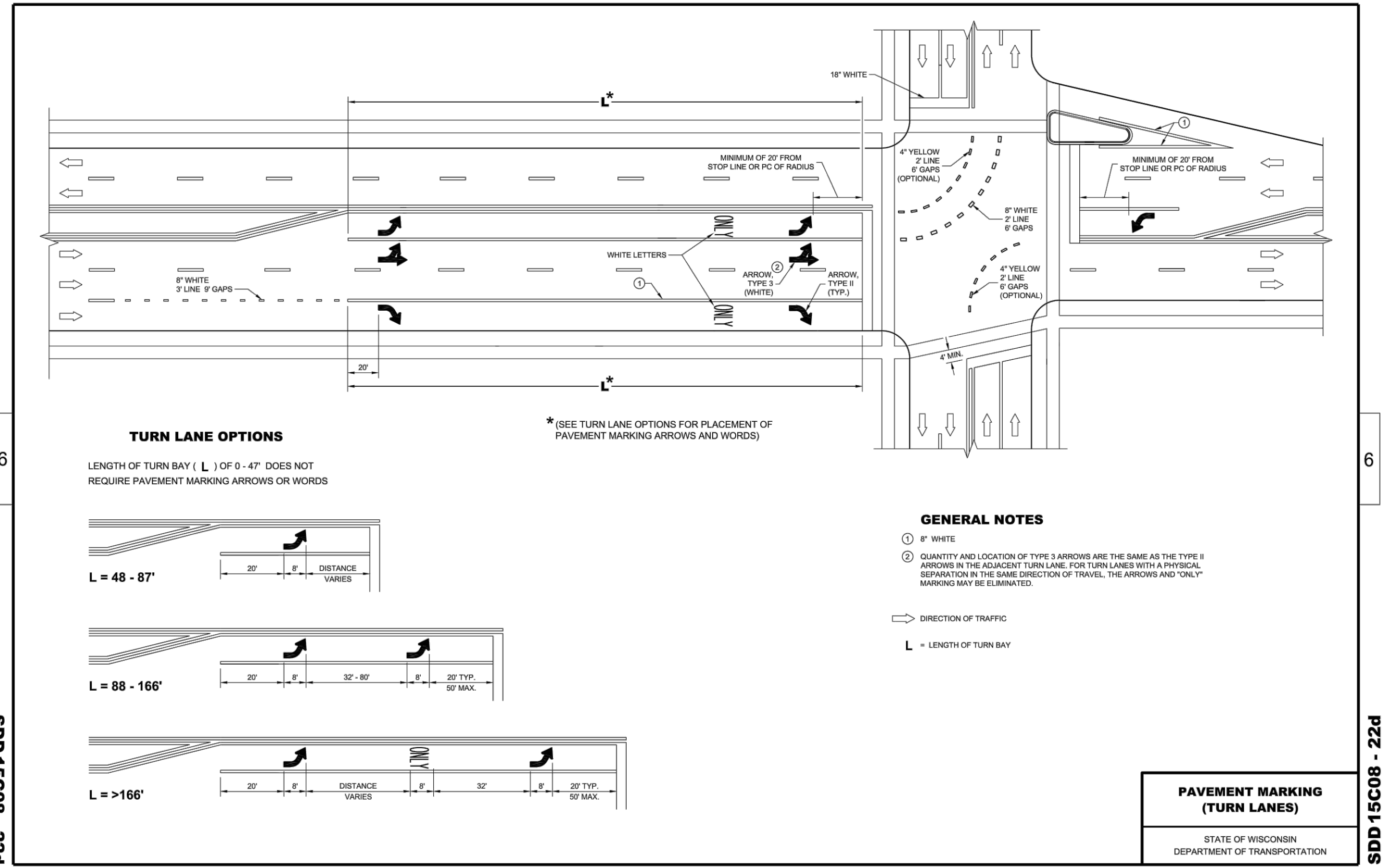
SDD 15C07 - 15b

SDD 15C7-c Pavement Marking Arrows



SDD 15C07 - 15c

SDD 15C07 - 15c



SDD 15C08 - 22a

SDD 15C08 - 22a

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VILLAGE OF STURTEVANT
RACINE COUNTY, WISCONSIN
90TH STREET
DETAILS

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DATE: 04/25/2023

SCALE: N.T.S.

JOB NO. 2232103

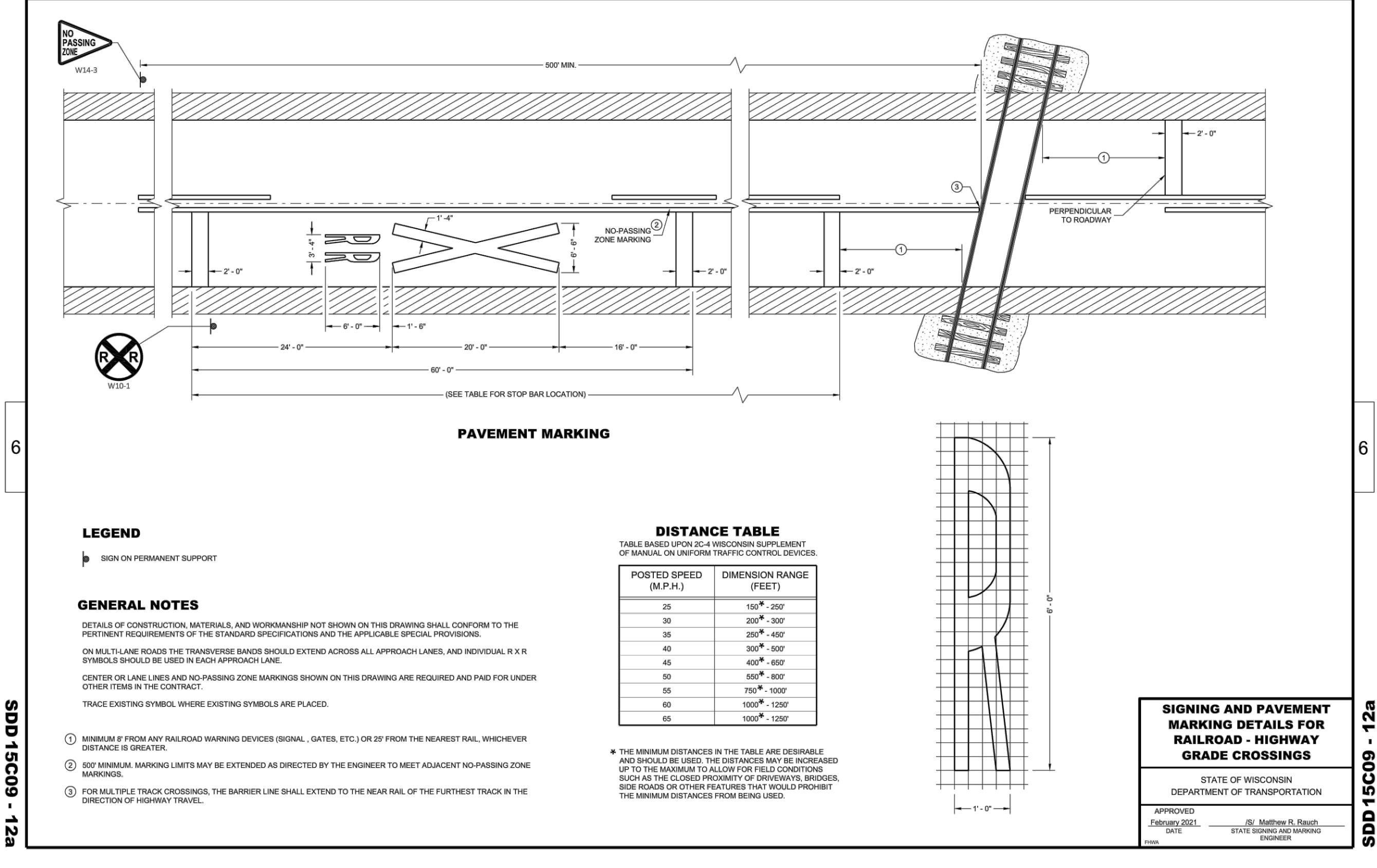
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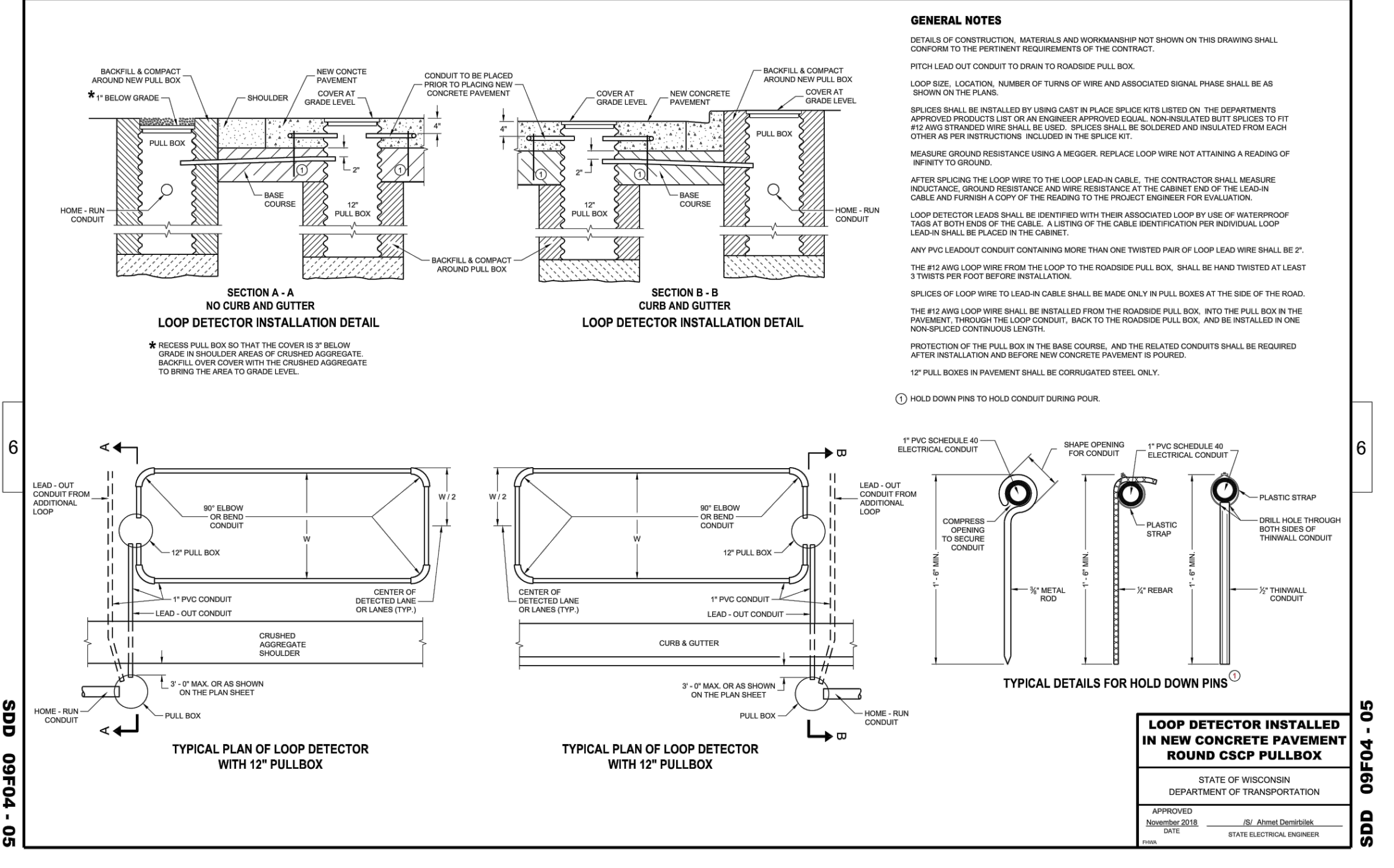
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SHEET NUMBER

SDD 15C09-a Signing and Pavement Marking Details for Railroad - Highway Grade Crossings



SDD 09F04 Loop Detector Installed in New Concrete Pavement, Round CSCP Pullbox



DESCRIPTION

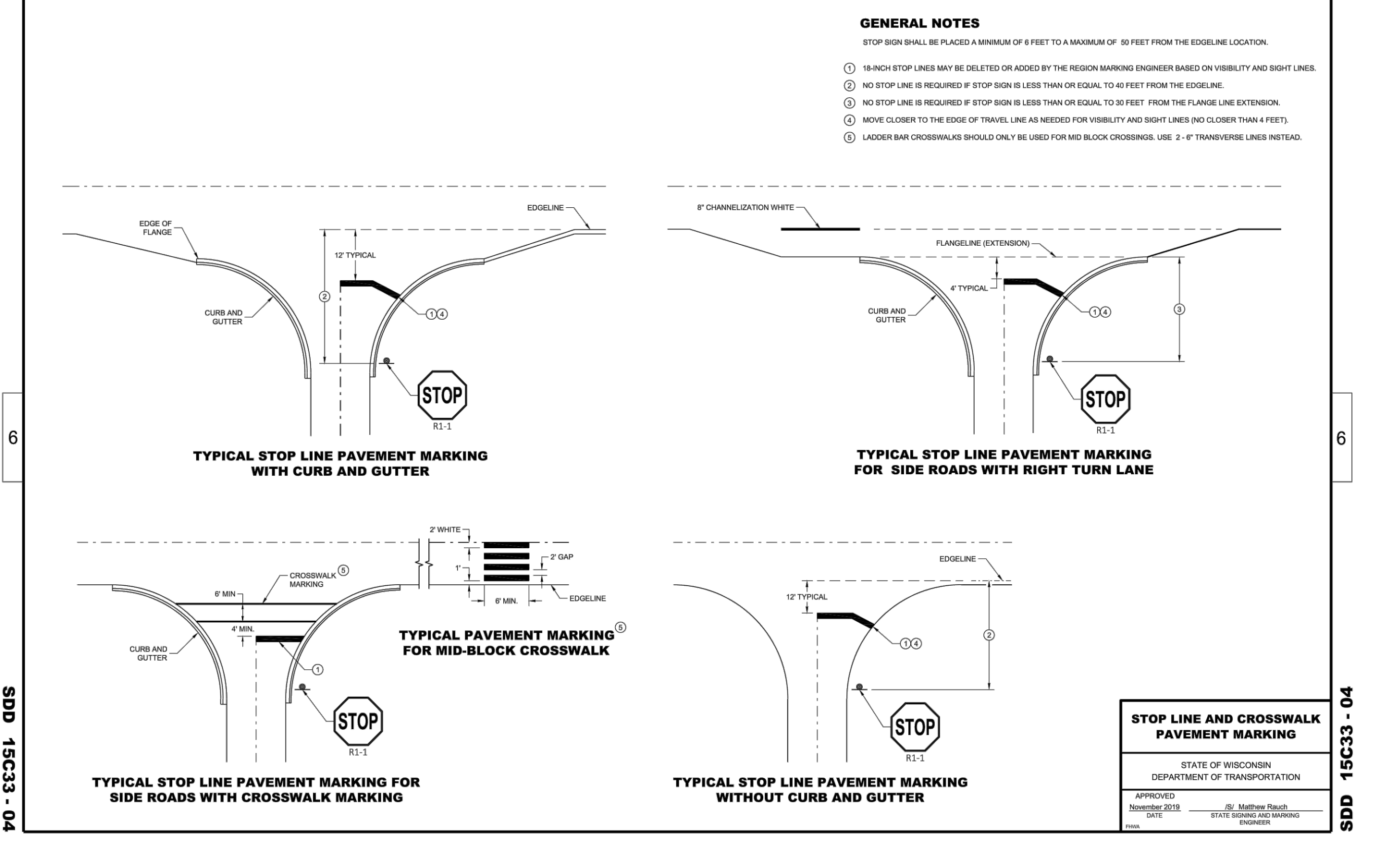
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SDD 15C33 Stop Line and Crosswalk Pavement Marking



VILLAGE OF STURTEVANT
RACINE COUNTY, WISCONSIN

90TH STREET
DETAILS

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CHECKED BY: JMF

SHEET NUMBER
19