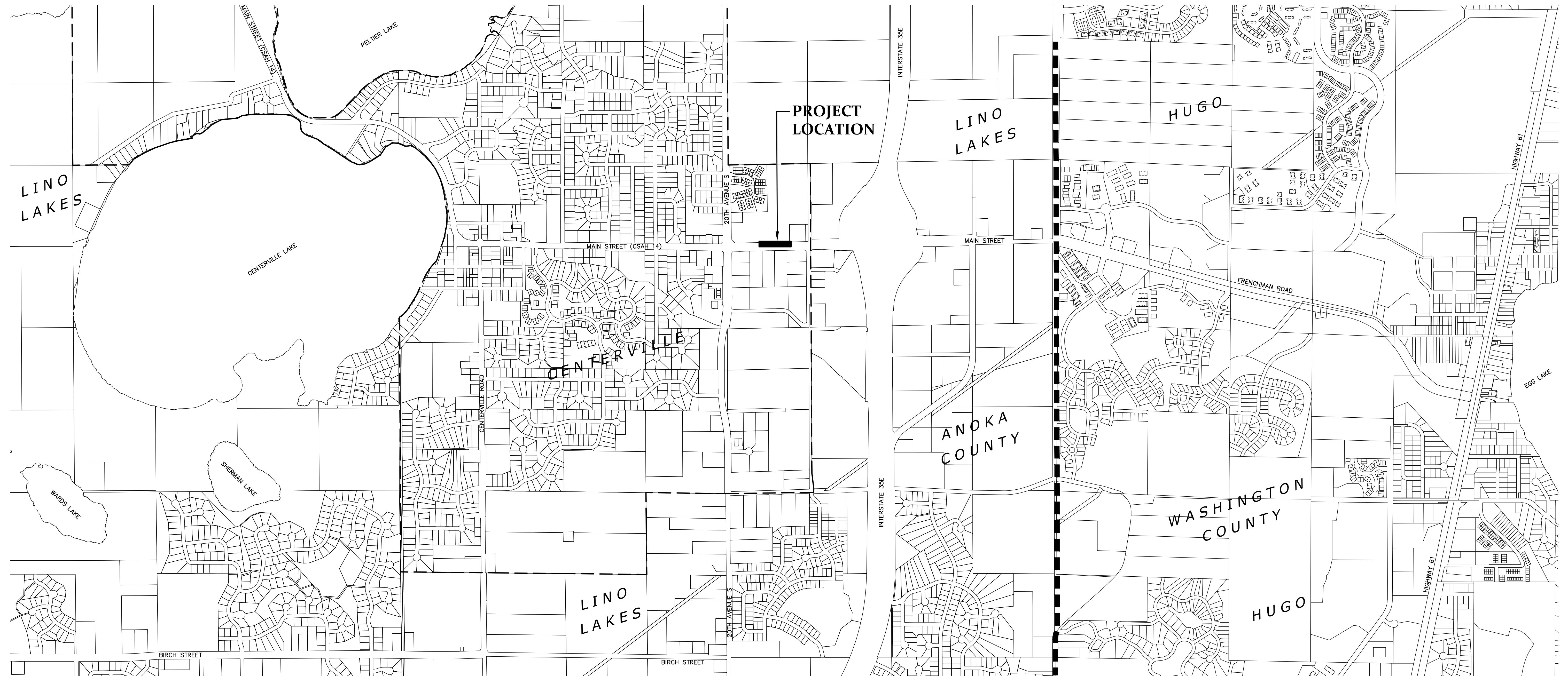


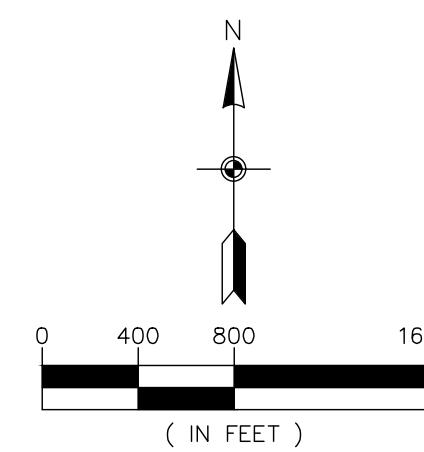
KWIK TRIP STORE #1182

CONSTRUCTION PLANS FOR TURN LANES INCLUDING; GRADING, STORM SEWER, STREETS, SIGNING AND STRIPING CENTERVILLE, MINNESOTA



SHEET INDEX

- T1. COVER
- T2. REMOVALS & GRADING, DRAINAGE & EROSION CONTROL PLAN
- T3. SITE & UTILITY PLAN
- T4. SIGNING & STRIPING PLAN
- T5. CROSS SECTIONS
- T6. TRAFFIC CONTROL PLAN
- T7-T8. ADA PEDESTRIAN RAMP DETAILS



APPROVED: CENTERVILLE CITY ENGINEER DATE

APPROVED: ANOKA COUNTY ENGINEER DATE



3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL: 651.482.3242
FAX: 763.489.7959
CARLSONMCCAIN.COM

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Print Name: Joseph T. Radach, P.E.
Signature:
Date: 10/29/21 License #: 45889

Drawn: KRO
Designed: JTR
Date: 10/29/21

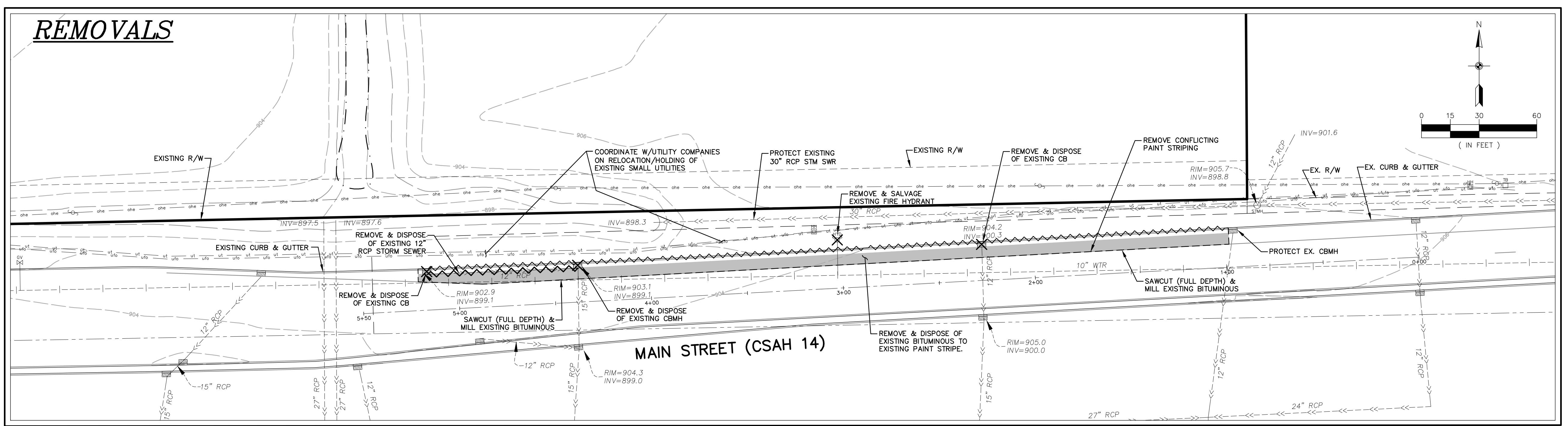
Revisions:
1. 1/5/22 per County Comments.
2. 2/9/22 per County Comments.
3. 2/22 Revise Sheets T7 & T8.
4. 3/16/22 Revise Sheets T2 & T3.

KWIK TRIP, INC.
P.O. Box 2107
1626 Oak Street
La Crosse, WI 54602-2107

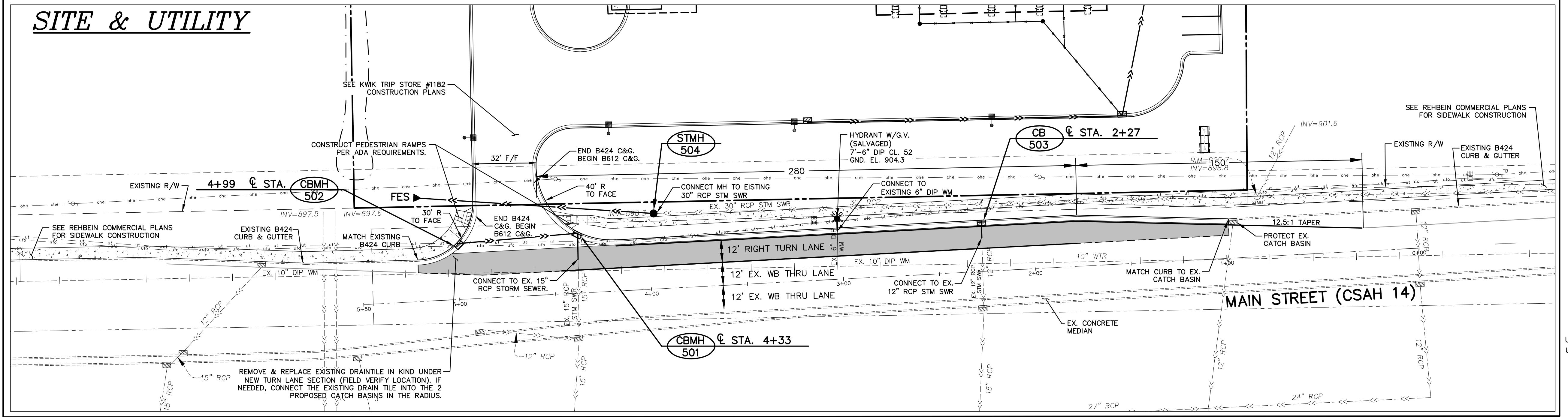
KWIK TRIP STORE #1182
Centerville, MN

COVER SHEET

T1
of
8



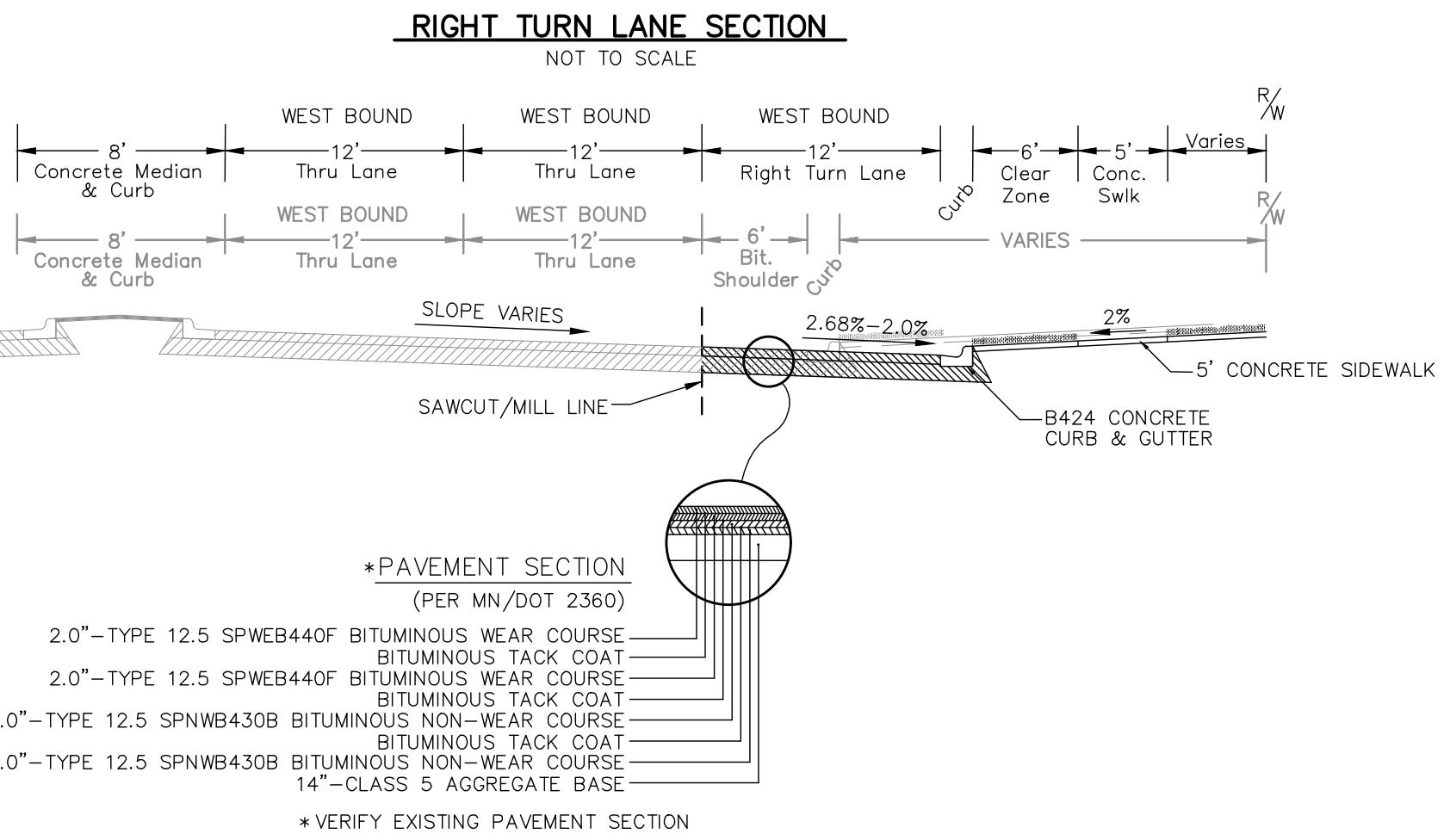
SITE & UTILITY



STORM SEWER SCHEDULE		
STRUCTURE	SIZE	NEENAH CASTING or EQUAL
STMH-504	60" DIA.	R-1642
CB-503	DESIGN H	R-3250-DV
CB-502	48" DIA.	R-3250-DV
CBMH-501	DESIGN H	R-3250-DV

LEGEND

PROPERTY LINE	EXISTING	PROPOSED
EASEMENT LINE	—	—
CURB LINE	—	—
BITUMINOUS	—	—
CONCRETE	—	—
STORM SEWER	—>	—>
WATER MAIN	—	—
OVERHEAD UTILITY	—	—
UNDERGROUND UTILITY	—	—
UNDERGROUND GAS	—	—
STORM CATCH BASIN	—	—
STORM MANHOLE	—	—
HYDRANT	—	—
CONNECT TO EX. CATCH BASIN	—	—
GATE VALVE	—	—
TELEPHONE BOX	—	—
UTILITY POLE	—	—
FENCE	—	—
STRIPPING	—	—
WETLAND LINE	—	—
SIGN	—	—
TREELINE	—	—

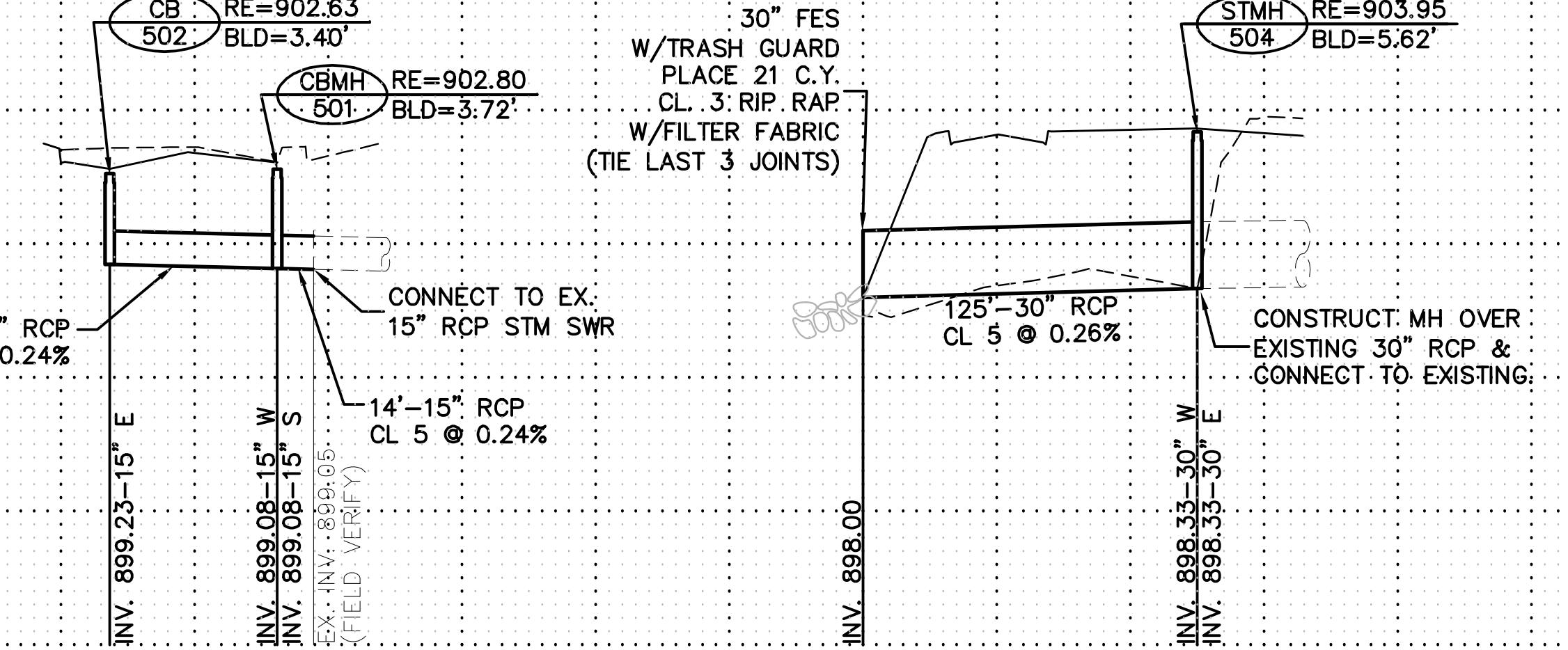


TURN LANE NOTES

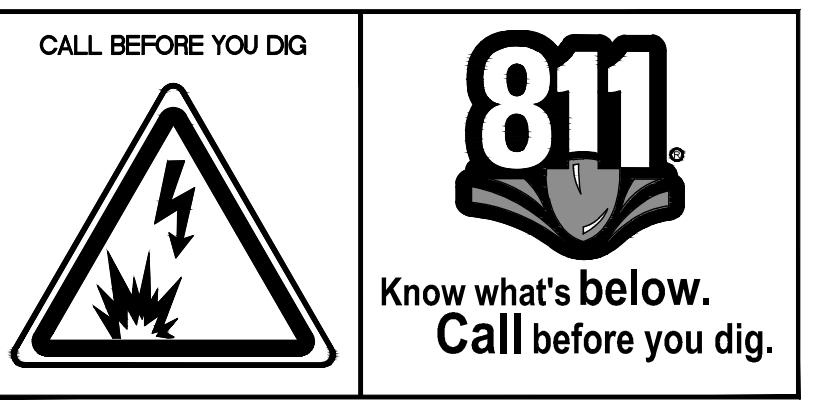
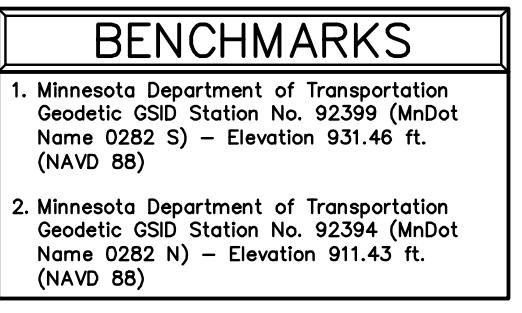
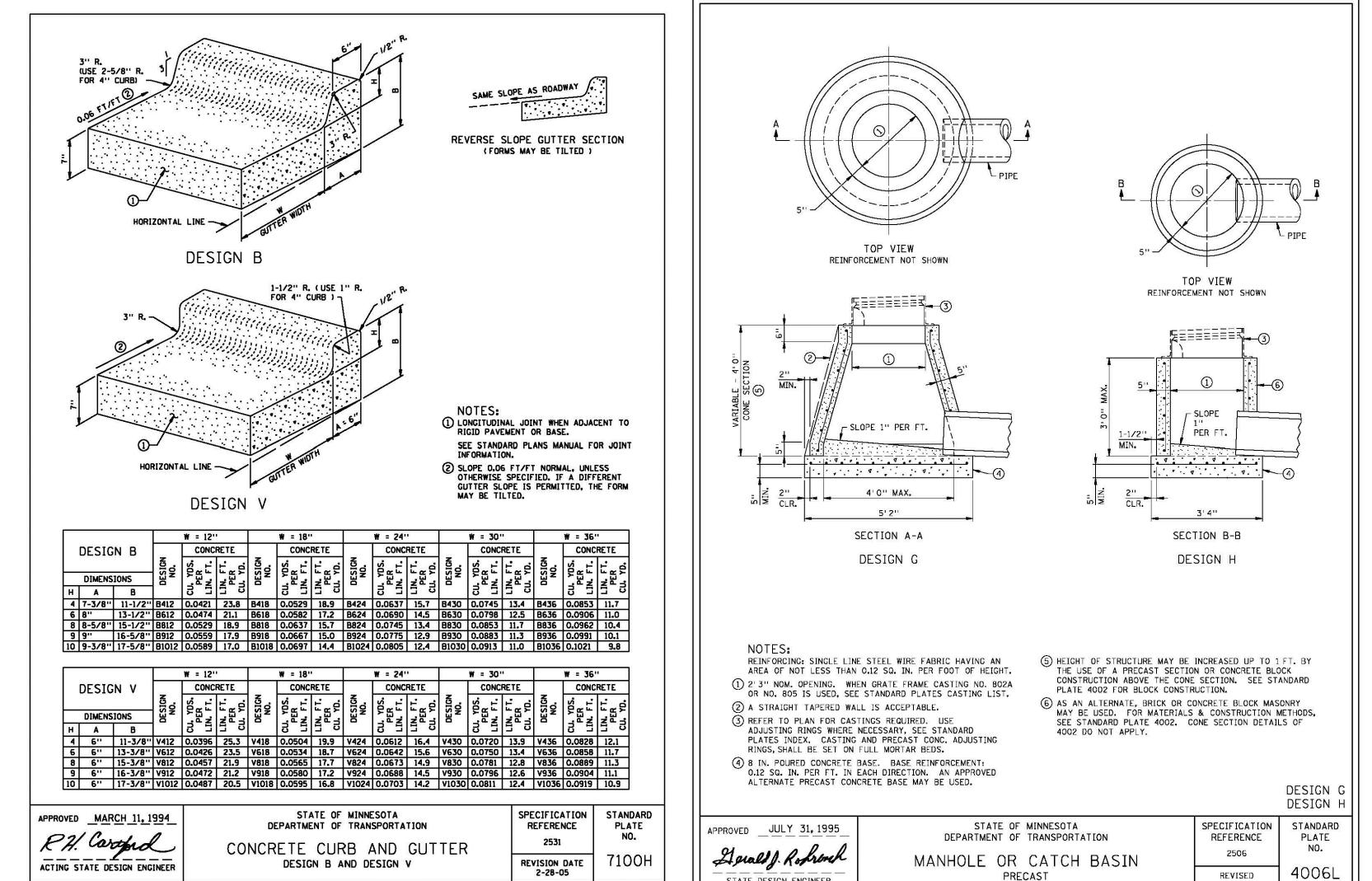
1. ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
2. GOVERNING SPECIFICATIONS SHALL BE THE LATEST EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION".
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES AND ALL PERMANENT SIGNING & MARKINGS SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, LATEST EDITION".
4. CONTRACTOR SHALL NOTIFY ANOKA COUNTY HIGHWAY DEPARTMENT AND SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY.
5. CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
6. ALL TURN LANE STRIPING SHALL BE COMPLETED USING EPOXY PAINT.
7. CONTRACTOR SHALL COORDINATE WORK AROUND AND RELOCATION OF SMALL UTILITIES.
8. CONTRACTOR TO CONTACT ANOKA COUNTY HIGHWAY DEPARTMENT 48 HOURS BEFORE STRIPING CONSTRUCTION.

CURB TYPES LEGEND	
B424 CONCRETE CURB & GUTTER	
B612 CONCRETE CURB & GUTTER	

910
905
900
895
890
885

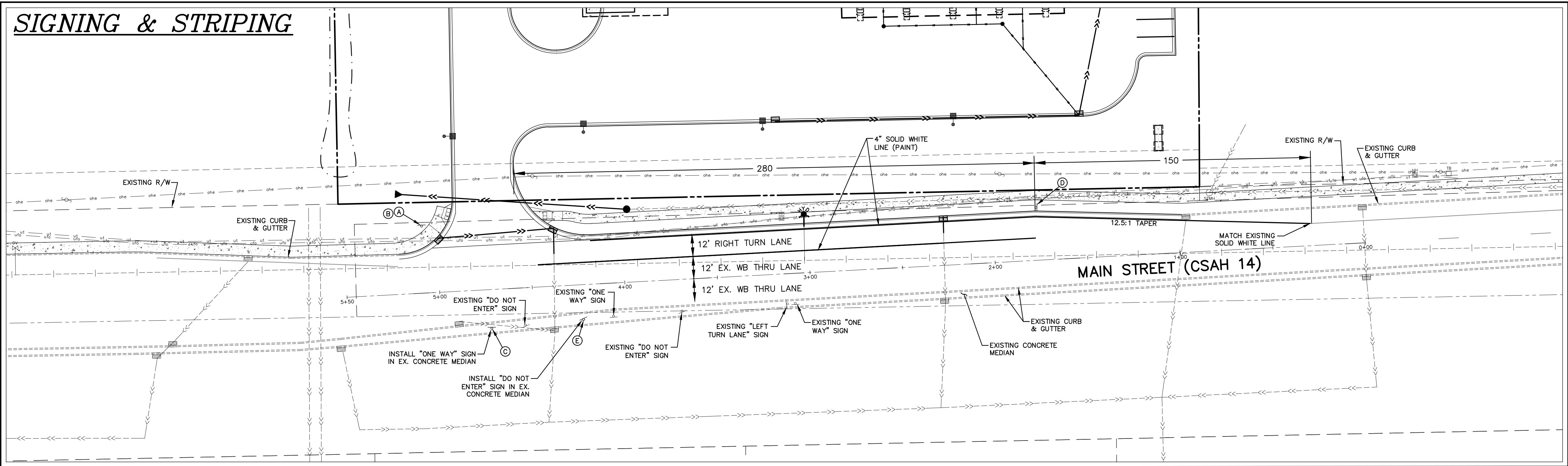


910
905
900
895
890
885



The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."

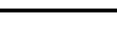
SIGNING & STRIPING

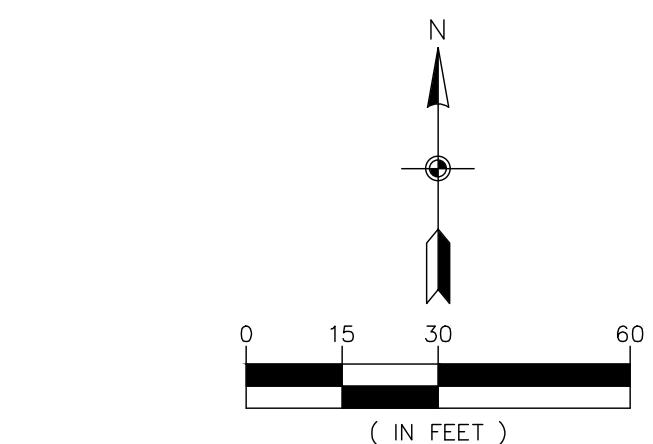


	<u>LEGEND</u>	
PROPERTY LINE	EXISTING	
EASEMENT LINE		
CURB LINE		
BITUMINOUS		
GRAVEL		
CONCRETE		
SANITARY SEWER		
STORM SEWER		
WATER MAIN		
OVERHEAD UTILITY		
UNDERGROUND TELEPHONE		
UNDERGROUND FIBEROPTIC		
UNDERGROUND GAS		
STORM CATCH BASIN		
STORM MANHOLE		
HYDRANT		
GATE VALVE		
TELEPHONE BOX		
UTILITY POLE		
FENCE		
GRAVEL EDGE		
STRIPING		
SIGN		

TURN LANE NOTES

1. ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
2. THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN AS WELL AS THE CITY OF BLAINE SPECIFICATIONS.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, 2018"
4. CONTRACTOR TO OBTAIN A PERMIT FROM ANOKA COUNTY HIGHWAY DEPARTMENT PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY.
5. ALL TURN LANE STRIPING SHALL BE COMPLETED USING PAINT (WATER BLASTED).
6. CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
7. CONTRACTOR SHALL COORDINATE WORK AROUND AND RELOCATION OF SMALL UTILITIES.
8. CONTRACTOR SHALL COORDINATE RELOCATION OF FIBER INTERCONNECT/CONDUIT & HAND HOLES W/ ANOKA COUNTY HIGHWAY DEPARTMENT.
9. CONTRACTOR TO CONTACT ANOKA COUNTY HIGHWAY DEPARTMENT 48 HOURS BEFORE STRIPING CONSTRUCTION.
10. APPLICABLE MNDOT STANDARD PLATES: 4006L, 9000E, 4129G, 4154B, 4160D, 9102E

SIGN SCHEDULE				
SIGN	SIGN NO.	SIZE	QUANTITY	(INCLUDED IN SITE PLANS)
(A) 	R1-1	30" X 30" (WHITE ON RED)		
(B) 	R6-1R	36" X 12" (BLACK ON WHITE)	1	
(C) 	R6-1R	48" X 18" (BLACK ON WHITE)	1	
(D) 	R3-7	30" X 30" (BLACK ON WHITE)	1	
(E) 	R5-1	36" X 36" (RED ON WHITE)	1	



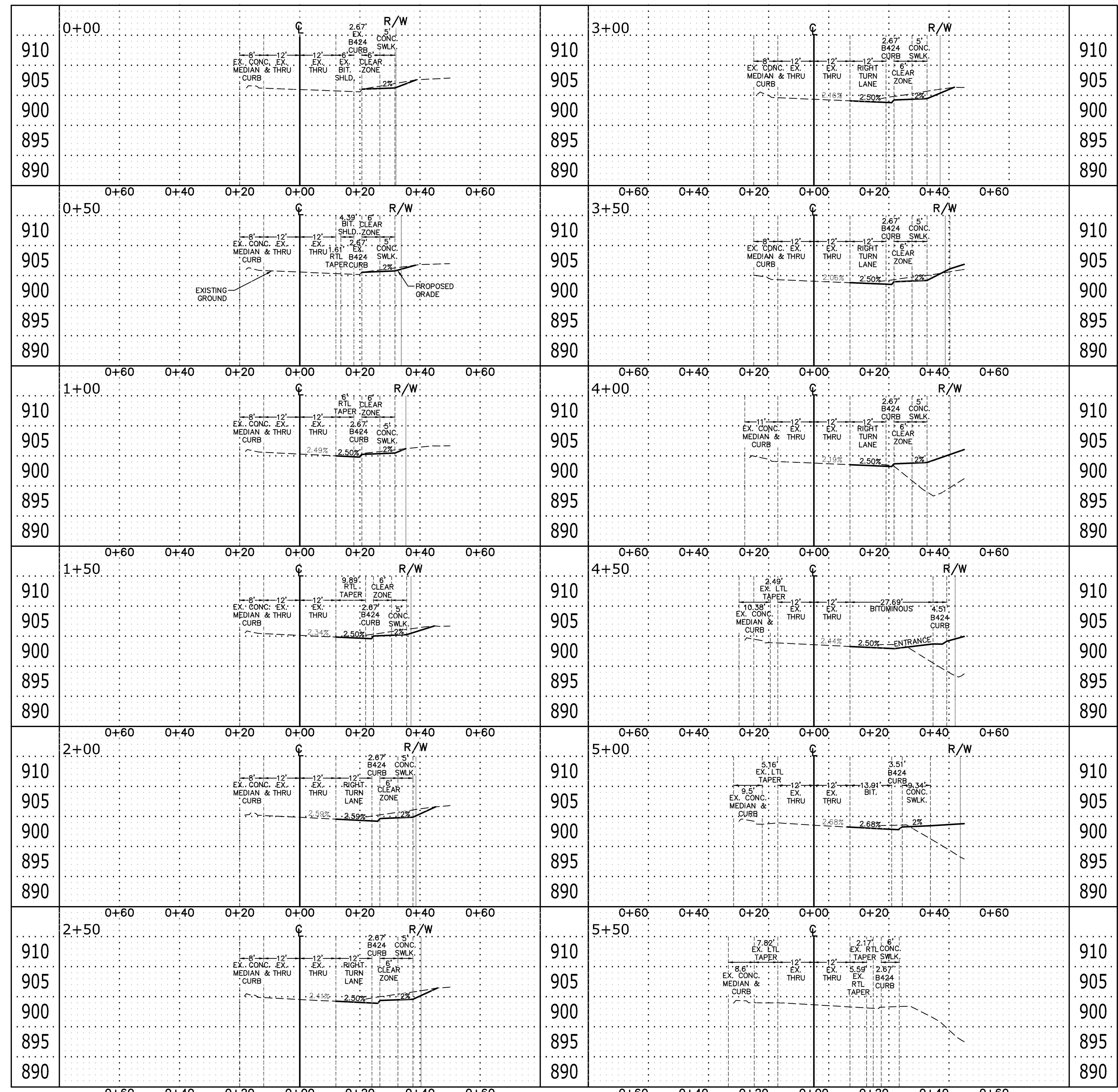
BENCHMARKS

Minnesota Department of Transportation
Geodetic GSID Station No. 92399 (MnDot
Name 0282 S) – Elevation 931.46 ft.
(NAVD 88)

Minnesota Department of Transportation
Geodetic GSID Station No. 92394 (MnDot
Name 0282 N) – Elevation 911.43 ft.

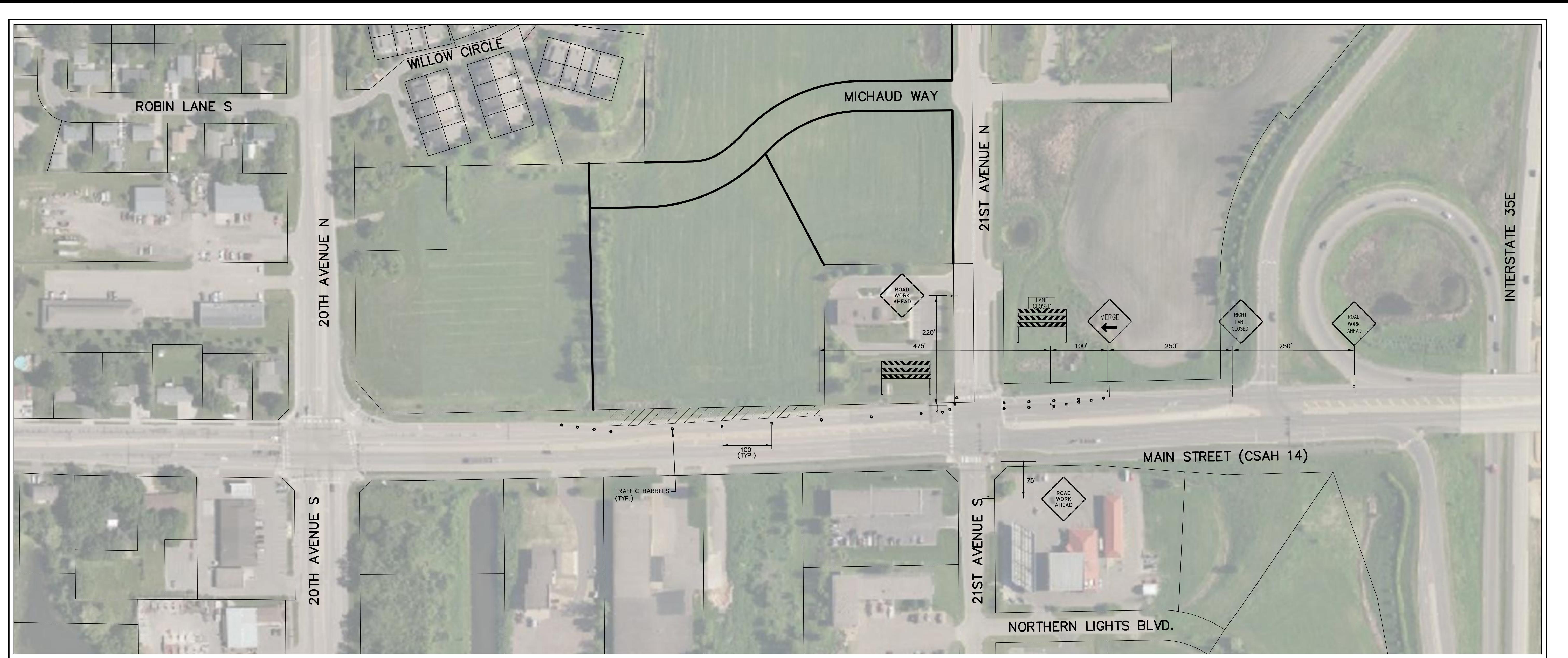


The subsurface utility information shown on this plan is utility quality Level D. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."



0+60 0+40 0+20 0+00 0+20 0+40 0+60

0+60 0+40 0+20 0+00 0+20 0+40 0+60



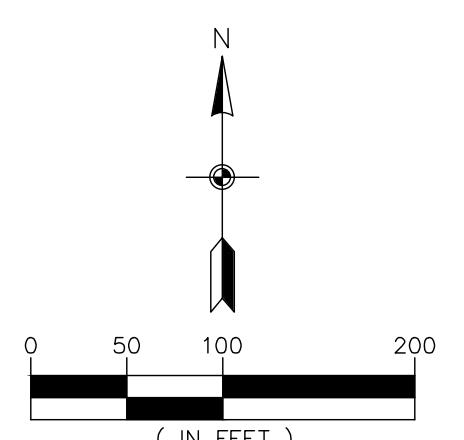
LEGEND

PROPERTY LINE	EXISTING
CONSTRUCTION AREA	PROPOSED
TRAFFIC BARREL	
SIGN	•

SIGN SCHEDULE	
SIGN	QUANTITY
ROAD WORK AHEAD	3
RIGHT LANE CLOSED	1
MERGE	1
LANE CLOSED	1
	1

TURN LANE NOTES

1. INTERMITTENT SIGNS SHALL BE USED FOR LOOSE GRAVEL, UNEVEN LANES, BUMP, ETC.
2. LANE WIDTHS MINIMUM 10'.
3. CONTRACTOR TO COMPLY WITH MNDOT LONGITUDINAL DROP OFF GUIDELINES. (J-BARRIER MIGHT BE NEEDED)
4. CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL SIGNS AND CHANNELIZERS AS NEEDED.
5. LANE CLOSURE WILL BE ALLOWED FOR A MAXIMUM OF ONE WEEK (NOT INCLUDING WEEKENDS). IF A LANE CLOSURE IS NEEDED AFTER THE 5 DAYS, A TEMPORARY LANE CLOSURE SHALL BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES AND TAKEN DOWN AT THE END OF EACH DAY/WEEKENDS AND A SHOULDER CLOSURE SHALL BE IMPLEMENTED.



BENCHMARKS	
1. Minnesota Department of Transportation Geodetic GSD Station No. 92394 (MnDot Name 0282 S) - Elevation 931.46 ft. (NAVD 88)	
2. Minnesota Department of Transportation Geodetic GSD Station No. 92394 (MnDot Name 0282 N) - Elevation 911.43 ft. (NAVD 88)	



The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."

