

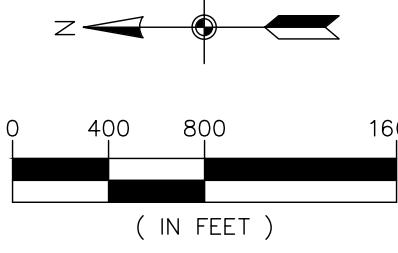
WATERMARK - 6TH ADDITION

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

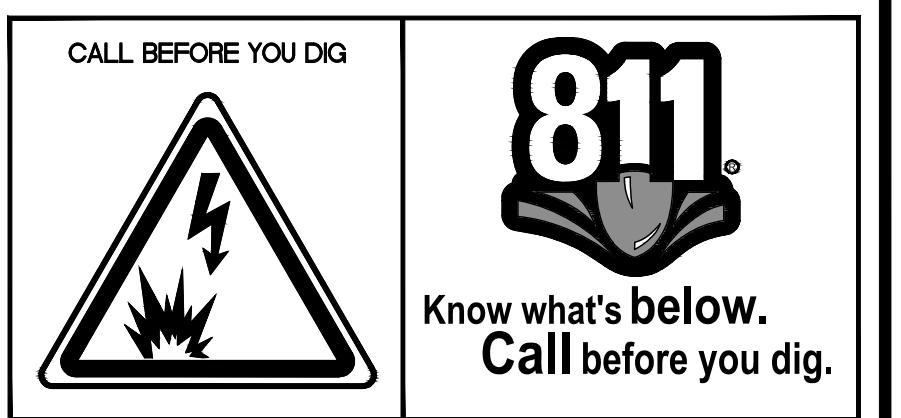


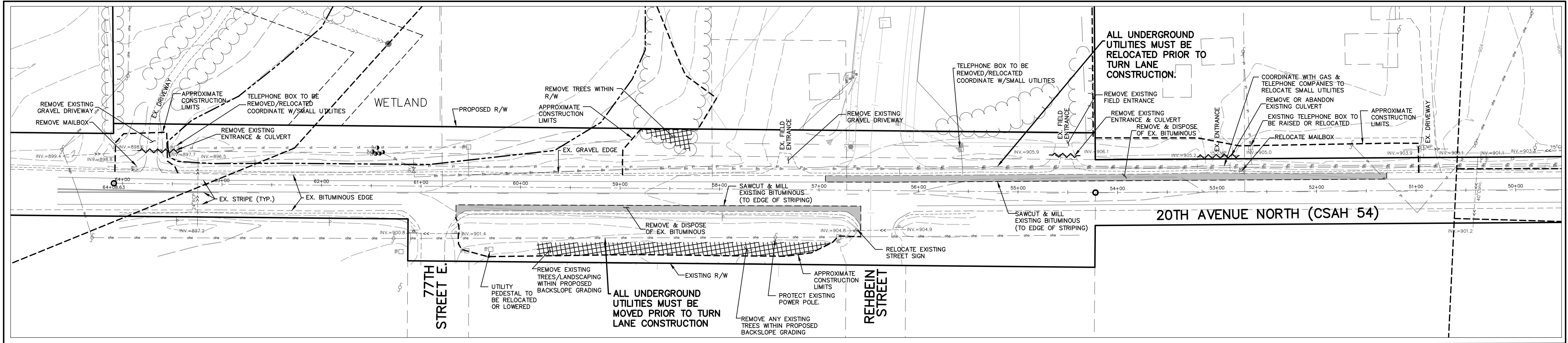
SHEET INDEX

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

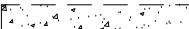


APPROVED: ANOKA COUNTY ENGINEER	DATE
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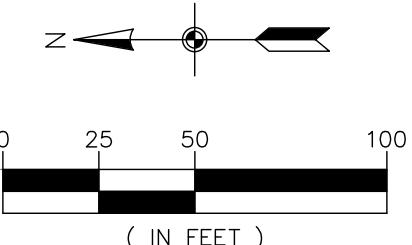


REMOVALS LEGEND

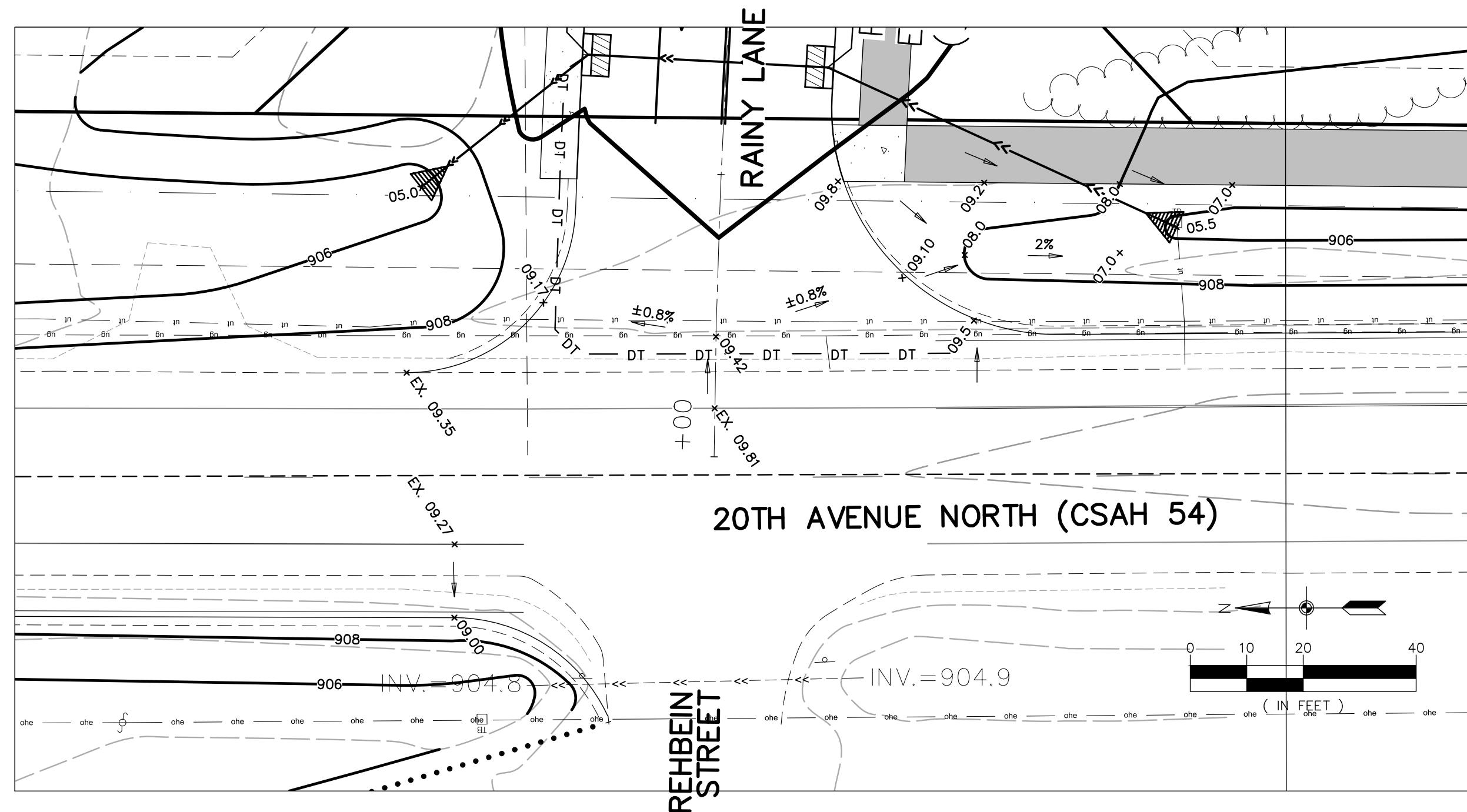
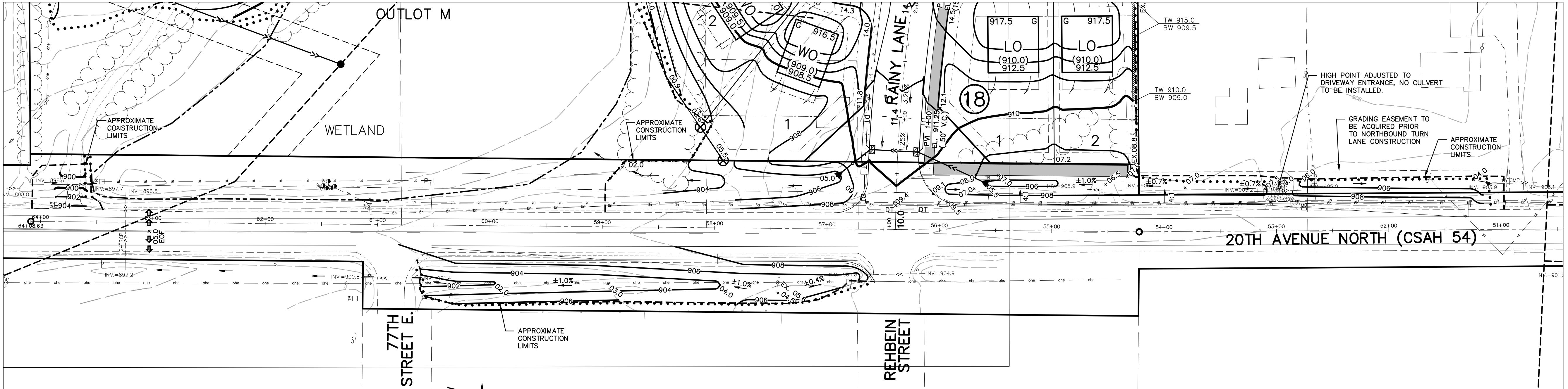
	EXISTING	REMOVALS
PROPERTY LINE	— — — —	
EASEMENT LINE	— — — —	
SAWCUT		— — — —
BITUMINOUS	— — — —	
GRAVEL	— — — —	
CONCRETE		
SANITARY SEWER	— — > — — > —	
STORM SEWER	— — — >> —	
WATER MAIN	— — — — —	
OVERHEAD UTILITY	— — — — ohe — —	
UNDERGROUND TELEPHONE	— — ut — — ut — —	
UNDERGROUND FIBEROPTIC	— — ufo — —	
UNDERGROUND GAS	— — ug — — ug — —	
STORM CATCH BASIN		
SIGN		
HYDRANT		
GATE VALVE	HYD GV TB	
TELEPHONE BOX		
UTILITY POLE		
FENCE	— — x — — x — —	
GRAVEL EDGE	— — — —	
STRIPING	— — — —	
5' CONTOUR	— — — —	
1' CONTOUR	— — — —	
WETLAND LINE	— — - —	
SPOT ELEVATION	00.0 — e — x — — e —	 
TREE		
CONSTRUCTION LIMITS		— — — —

*** CONTRACTOR TO VERIFY UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.**

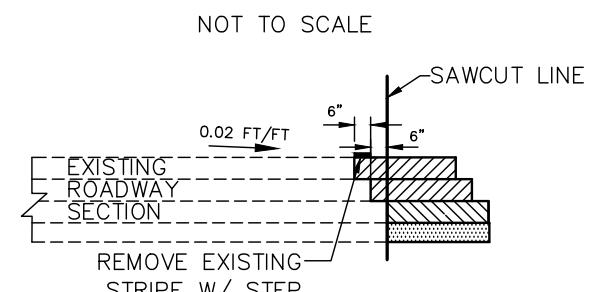
COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF ANY UNDERGROUND UTILITIES UNDER PROPOSED ROAD.



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."



GRADING LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	—
EASEMENT LINE	—
CURB LINE	—
BITUMINOUS	—
CONCRETE	—
SANITARY SEWER	—>
STORM SEWER	—>>
WATER MAIN	—
OVERHEAD UTILITY	—
UNDERGROUND TELEPHONE	— ut —
UNDERGROUND FIBEROPTIC	— ufo —
UNDERGROUND GAS	— ug —
STORM CATCH BASIN	—
STORM MANHOLE	—
HYDRANT	HYD
GATE VALVE	GV
TELEPHONE BOX	TP
UTILITY POLE	UP
FENCE	x — x —
GRAVEL EDGE	—
5' CONTOUR	—
1' CONTOUR	—
WETLAND LINE	—
SPOT ELEVATION	00.0
SIGN	—
TREELINE	—
SOIL BORING	TH



TURF ESTABLISHMENT

TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION) EXCEPT AS MODIFIED BELOW.

TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 7 DAYS.

SEED: MnDOT MIXTURE 33-261 AT 35 POUNDS PER ACRE.

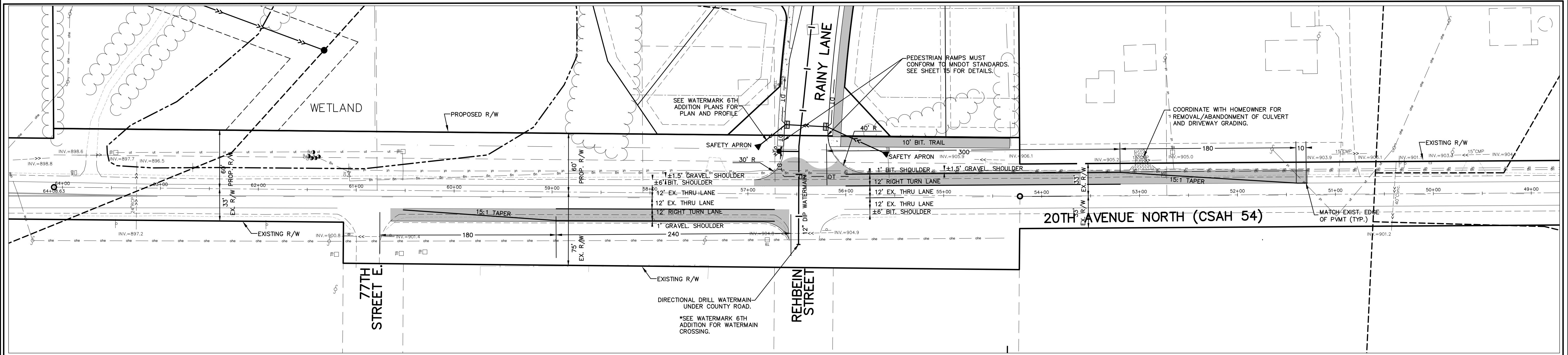
DORMANT SEED: SHALL BE APPLIED AT TWICE THE NORMAL RATE AFTER NOVEMBER 1ST.

MULCH: TYPE 1 AT 2 TONS PER ACRE (DISK ANCHORED).

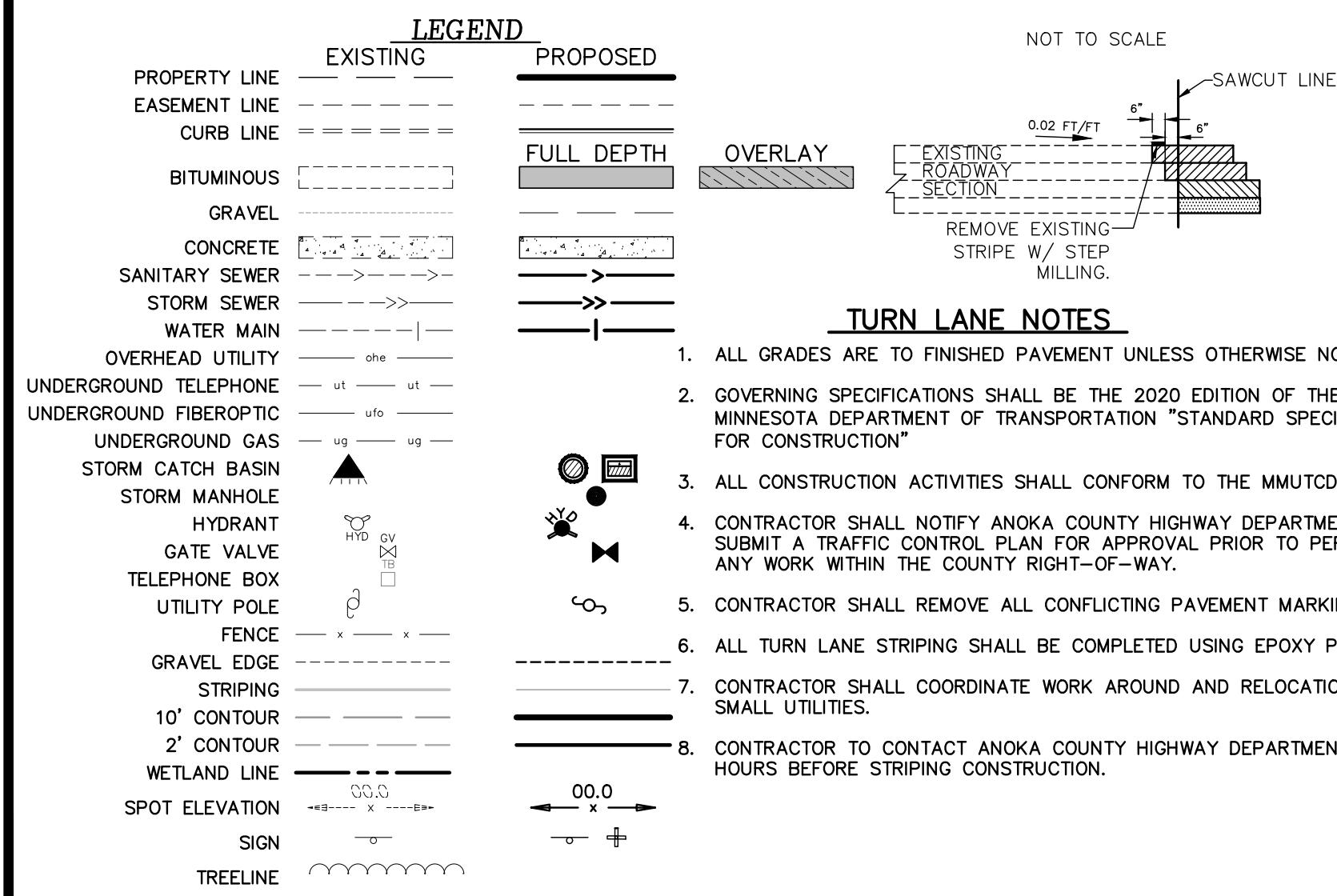
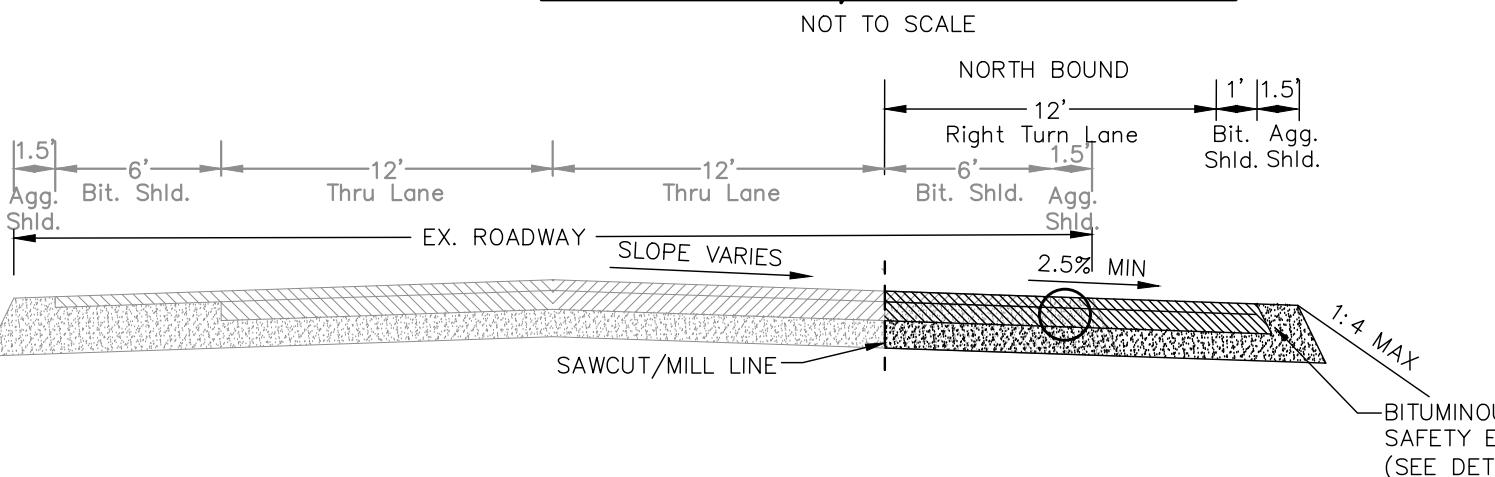
FERTILIZER: TYPE 1 10-10-10 AT 200 POUNDS PER ACRE.



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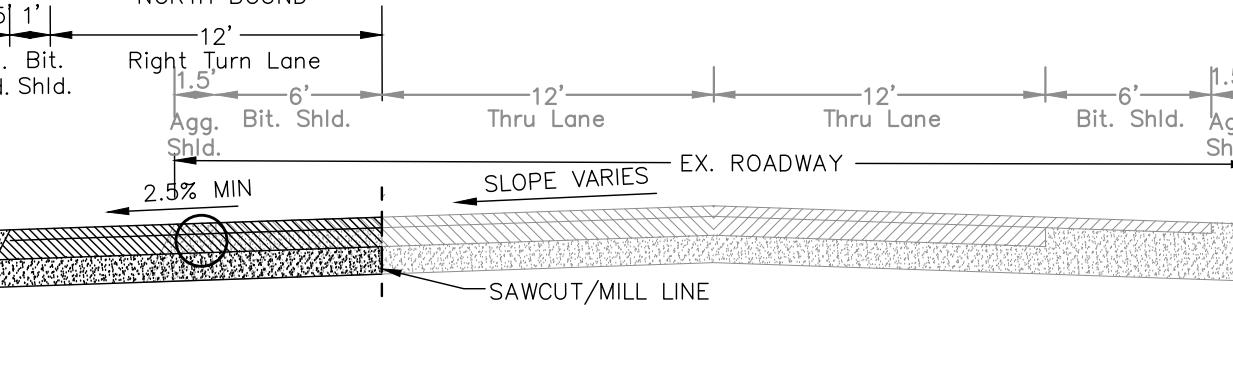
**NORTH BOUND
TYPICAL BYPASS/RIGHT TURN SECTION**



TURN LANE NOTES

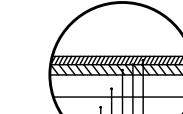
1. ALL GRADES ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
2. GOVERNING SPECIFICATIONS SHALL BE THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"
3. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE MMUTCD
4. CONTRACTOR SHALL NOTIFY ANOKA COUNTY 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.

**SOUTH BOUND
TYPICAL BYPASS/RIGHT TURN SECTION**

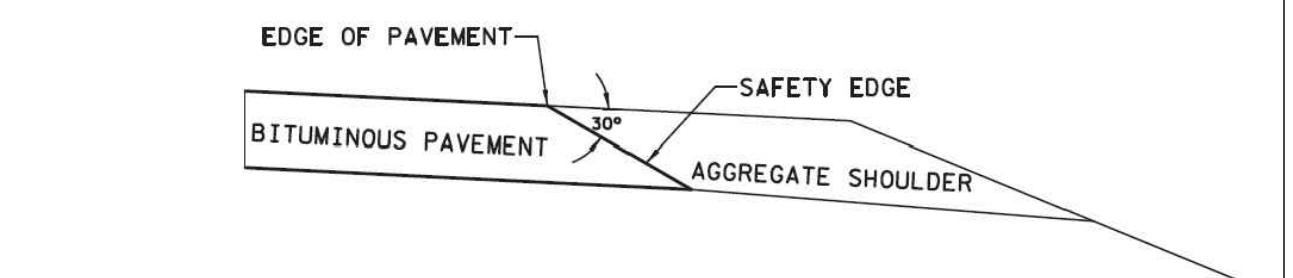


PAVEMENT SECTION

(PER MN/DOT 2360)
 2"-TYPE SPWEB340C BITUMINOUS WEAR COURSE
 BITUMINOUS TACK COAT
 2"-TYPE SPWB340C BITUMINOUS WEAR COURSE
 BITUMINOUS TACK COAT
 2"-TYPE SPWN330C BITUMINOUS BASE COURSE
 6"-CLASS B AGGREGATE BASE
 EXISTING BASE MATERIAL



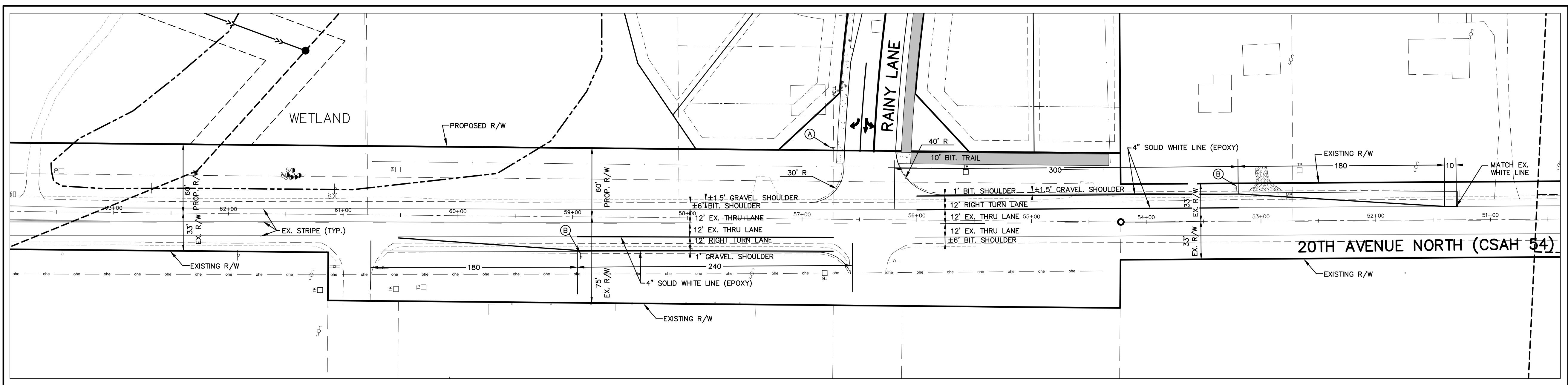
SAFETY EDGE CONSTRUCTION DETAIL



SEE MNDOT TECH. MEMO NO. 16-01-T-01 FOR SAFETY EDGE GUIDELINES.

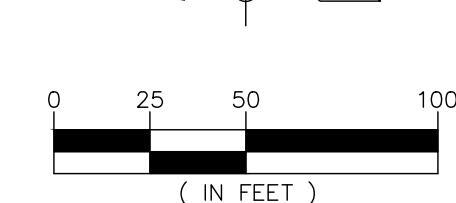


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	<u>EXISTING</u>	<u>PROPOSED</u>
PROPERTY LINE	—	—
EASEMENT LINE	— — — — —	— — — — —
CURB LINE	=====	=====
BITUMINOUS	-----	-----
GRAVEL	-----	-----
CONCRETE		
SANITARY SEWER	— — > — — > —	— > —
STORM SEWER	— — — >> —	— >> —
WATER MAIN	— — — — — —	— — — —
OVERHEAD UTILITY	— — — ohe — — —	
UNDERGROUND TELEPHONE	— — ut — — ut — —	
UNDERGROUND FIBEROPTIC	— — — ufo — — —	
UNDERGROUND GAS	— — ug — — ug — —	
STORM CATCH BASIN		
STORM MANHOLE		
HYDRANT		
GATE VALVE	HYD GV	
TELEPHONE BOX		
UTILITY POLE		
FENCE	— — x — — x — —	
GRAVEL EDGE	-----	-----
STRIPING	-----	-----
SIGN		

SIGN SCHEDULE				
	SIGN	SIGN NO.	SIZE	QUANTITY
(A)		R1-1	36" X 36" (WHITE ON RED)	(INCLUDED IN SITE PLANS)
(B)		R3-7R	30" X 30" (BLACK ON WHITE)	2



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LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	—
EASEMENT LINE	- - - - -
CURB LINE	— — — —
BITUMINOUS	□ — — — —
CONCRETE	□ — — — —
CONSTRUCTION AREA	□ — — — —
TRAFFIC DRUMS	□ — — — —
SIGN	— + —

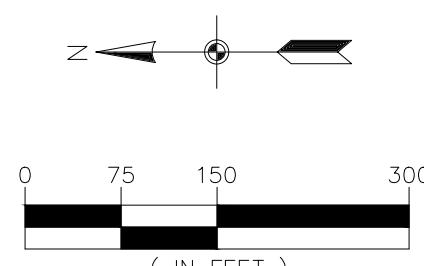
SIGN SCHEDULE	
SIGN	QUANTITY
NO SHOULDER	2
ROAD WORK AHEAD	4

NOTES:

INTERMITTENT SIGNS SHALL BE USED FOR LOOSE GRAVEL, UNEVEN LANES, BUMP, ETC.

ALL EDGE DROP OFFS MUST BE BACKFILLED OR RAMPED MEETING LONGITUDINAL DROP-OFF GUIDELINES MNDOT FIELD MANUAL FIGURE 6K-7 WHEN FLAGGERS ARE NOT PRESENT.

IF THE LONGITUDINAL DROP-OFF REACHES MORE THAN 1 FOOT, A J-BARRIER MAY BE NEEDED AND A SEPARATE TRAFFIC CONTROL PLAN MUST BE SUBMITTED BY THE CONTRACTOR. FOLLOW MNDOT TEMPORARY BARRIER GUIDANCE MANUAL.



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