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## SUBMITTAL/REVISIONS

COUNTY SUBMITTAL	02/26/2017
COUNTY RESPONSE	03/28/2017
PERMIT SET	04/29/2017

## PROFESSIONAL SIGNATURE

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.

License No. 49933  
Date 04-29-25

## QUALITY CONTROL

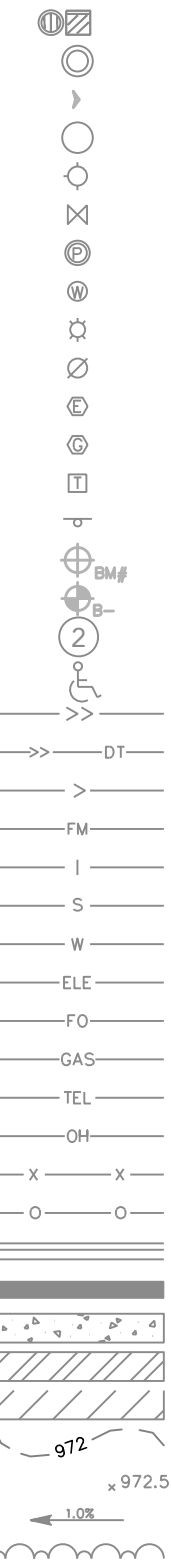
Loucks Project No. 230260  
Project Lead PJ  
Drawn By DD  
Checked By PJ  
Review Date 04-29-2011

## SHEET INDEX

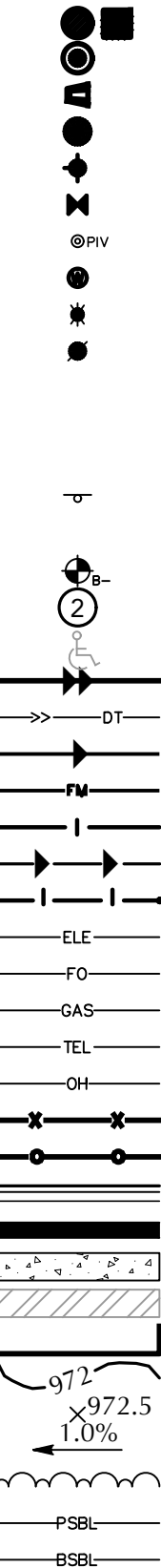
C1-1	DEMOLITION PLAN
C2-1	SITE PLAN
C2-2	STRIPING & SIGNAGE PLAN
C3-1	GRADING & EROSION
	CONTROL PLAN
C3-2	CROSS SECTION
C4-1	DETAIL SHEET

## LEGEND

EXISTING



## PROPOSED



## SHEET INDEX

●	X	03-28-25	C0-1	COVER SHEET
●	X	03-28-25	C1-1	DEMOLITION PLAN
●	X	03-28-25	C2-1	SITE PLAN
●	X	03-28-25	C2-2	STRIPING & SIGNAGE PLAN
●	X	03-28-25	C3-1	GRADING AND EROSION CONTROL PLAN
●	X	03-28-25	C3-2	CROSS SECTIONS
●	X	03-28-25	C4-1	DETAILS

APPROVED FOR ANOKA COUNTY TURN LANE ITEMS ONLY

\_\_\_\_\_  
ANOKA CO. ENGINEER



CALL BEFORE YOU DIG

## Gopher State One Call

TWIN CITY AREA: 651-454-0002  
TOLL FREE: 1-800-252-1166

**WARNING:**

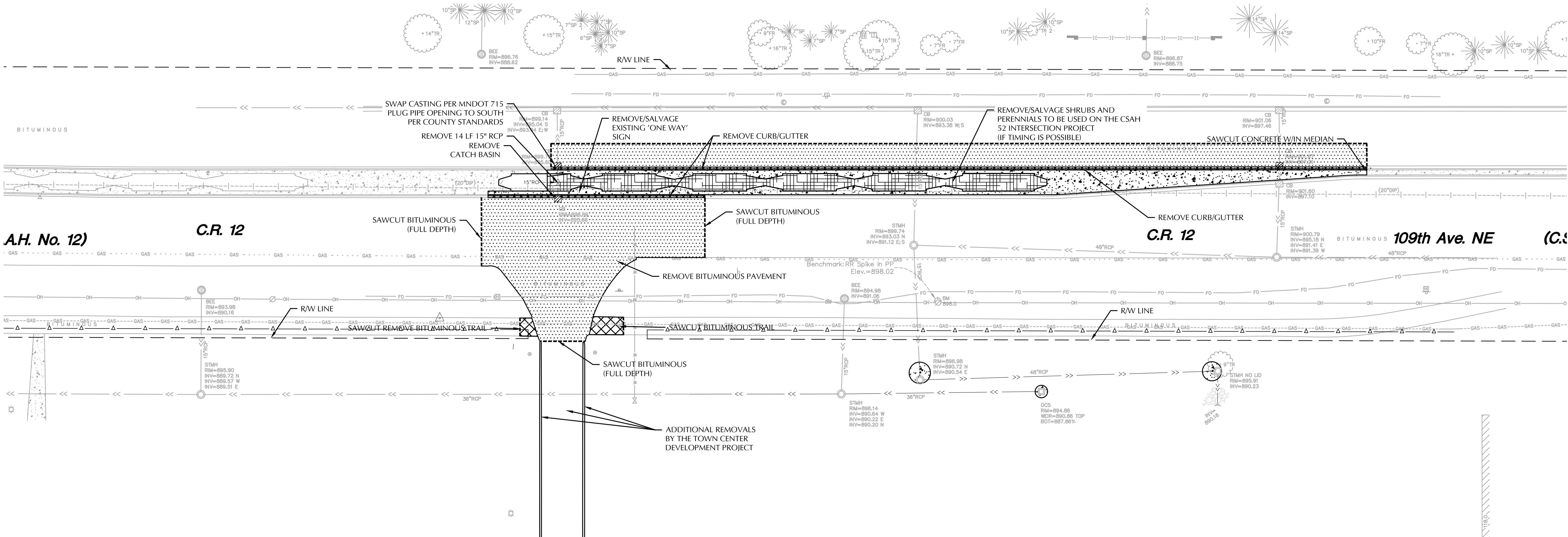
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# COVER SHEET

# C0-1





LEGEND

● FOUND 1/2 INCH OPEN IRON MONUMENT UNLESS SHOWN OTHERWISE	—>> STORM SEWER
○ SET 1/2 INCH X 14 INCH IRON MONUMENT, MARKED "LS 48988"	—> SANITARY SEWER
⊕ CATCH BASIN	—  WATERMAIN
⊙ STORM MANHOLE	—S SANITARY SEWER SERVICE
○ SANITARY MANHOLE	—W WATER SERVICE
⊙ HYDRANT	—ELE UNDERGROUND ELECTRIC
⊕ GATE VALVE	—FOP UNDERGROUND FIBER OPTIC
⊕ ELECTRIC TRANSFORMER	—GAS UNDERGROUND GAS
⊕ ELECTRIC METER	—TEL UNDERGROUND TELEPHONE
⊕ GAS METER	—OH OVERHEAD UTILITY
⊕ GUY WIRE	—○—○ CHAIN LINK FENCE
⊕ HAND HOLE	==== CONCRETE CURB
⊕ LIGHT POLE	===== RETAINING WALL
⊕ POWER POLE	===== CONCRETE
⊕ ROOF DRAIN	===== NO PARKING
⊕ TELEPHONE PEDESTAL	===== EXISTING BUILDING
⊕ SIGN	—g12 CONTOUR
② PARKING STALL COUNT	—x972.5 SPOT ELEVATION
⊕ DISABLED PARKING STALL	☼ TREE LINE
① SCHEDULE B II ITEM	☼ CONIFEROUS TREE
	P1 PINE
	AS ASH
	MA MAPLE
	TR TREE (GEN)

DEMOLITION LEGEND

=====	REMOVE BITUMINOUS PAVEMENT (ROADWAY)
=====	REMOVE BITUMINOUS PAVEMENT (TRAIL)
=====	REMOVE CONCRETE
=====	LANDSCAPING

SITE DEMOLITION NOTES

- CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES & OWNER.
- ALL REMOVALS SHALL BE PERFORMED PER THE CONTRACT SPECIFICATIONS. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL.
- CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL. CONTRACTOR TO NOTIFY ENGINEER WITH ANY CONFLICTS OR PLAN DISCREPANCIES.
- CONTRACTOR TO SCHEDULE PRE-CONSTRUCTION MEETING(S) WITH UTILITY OWNER(S) TO DISCUSS DISCONNECTIONS AND/OR RELOCATIONS.
- BITUMINOUS PAVEMENT REMOVALS ARE TO BE MADE TO A VERTICAL SAW CUT OR TO A NEAT MILLED EDGE.
- CONCRETE PAVEMENT, SIDEWALK, CURB & GUTTER AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT. SAW CUT AS NECESSARY FOR A NEAT EDGE OF REMOVAL.
- ANY DAMAGE TO ITEMS NOT NOTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION WITH NO ADDITIONAL COMPENSATION.
- CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE APPLICABLE GOVERNING AGENCIES. ALL WORK SHALL BE PERFORMED PER THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCIES.
- CONTRACTOR TO COORDINATE ALL WORK WITHIN THE ADJACENT PROPERTIES WITH THE OWNER AND ADJACENT PROPERTY OWNER.
- REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION INCLUDING BUT NOT LIMITED TO GROUNDWATER CONDITIONS AND RECOMMENDATIONS FOR EXCAVATION DEWATERING.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ANY REPAIRS TO THE IRRIGATION SYSTEM THAT IS AFFECTED DURING CONSTRUCTION.



CALL BEFORE YOU DIG!

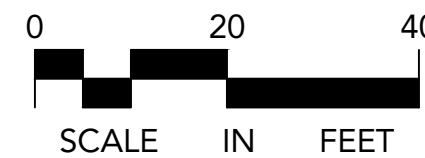
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IMPROVEMENTS

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EB BLAINE  
DEVELOPMENT

3020 FRANCE AVENUE SOUTH  
MINNEAPOLIS, MN 55416



PLANNING  
CIVIL ENGINEERING  
LAND SURVEYING  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL

12755 Highway 55, Suite R100  
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763.424.5505  
www.loucksinc.com

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PJ Ditch - PE

License No. 49933  
Date 04-29-25

QUALITY CONTROL

Loucks Project No. 23026C  
Project Lead PJD  
Drawn By DDL  
Checked By PJD  
Review Date 04-29-25

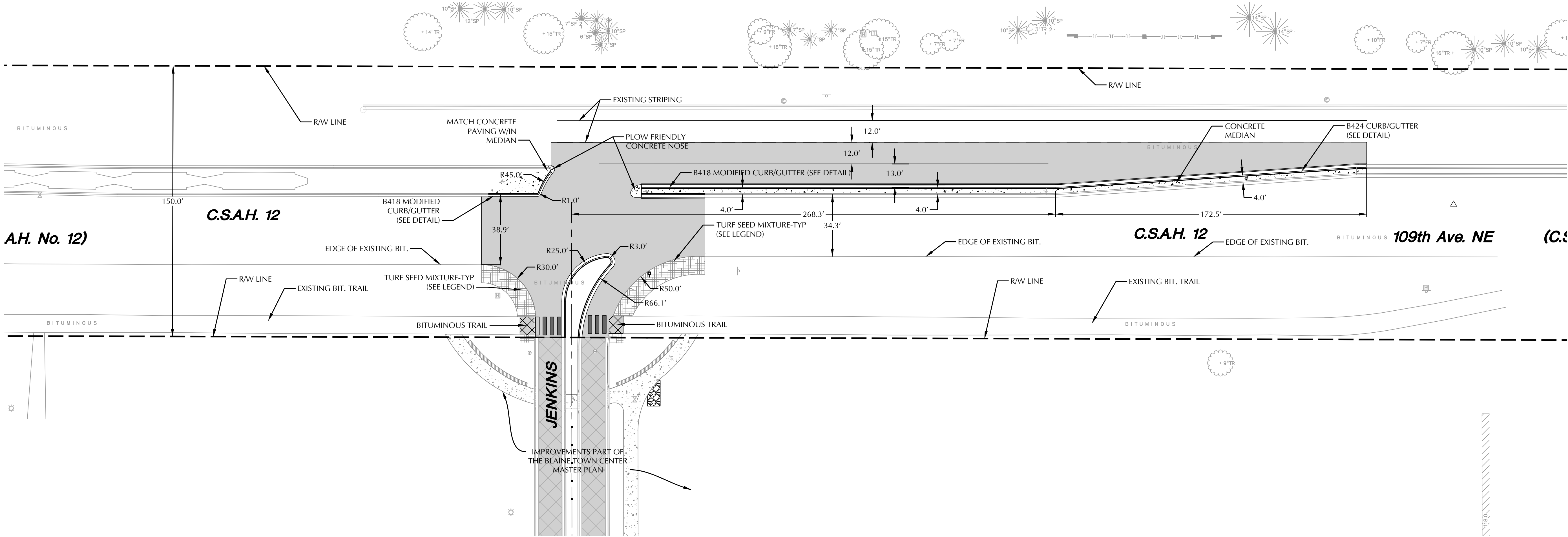
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C2-1	SITE PLAN
C2-2	STRIPING & SIGNAGE PLAN
C3-1	GRADING & EROSION CONTROL PLAN
C3-2	CROSS SECTIONS
C4-1	DETAIL SHEET

DEMOLITION  
PLAN

C1-1

Plotted: 04/29/2025 11:58 AM W:\2023\23026\CADD\DATA\CIVIL\dwg Sheet Files\109TH TURN LANES\C2-1 SITE PLAN



LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
	STORM MANHOLE	
	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
	GATE VALVE	
	POST INDICATOR VALVE	
	WATER MANHOLE / WELL	
	LIGHT POLE	
	POWER POLE	
	ELECTRIC METER	
	GAS METER	
	TELEPHONE PEDESTAL	
	SIGN	
	BENCHMARK	
	SOIL BORING	
	PARKING STALL COUNT	
	ACCESSIBLE PARKING STALL	
	STORM SEWER	
	DRAIN TILE	
	SANITARY SEWER	
	FORCE MAIN	
	WATER MAIN	
	SANITARY SEWER SERVICE	
	WATER SERVICE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND FIBER OPTIC	
	UNDERGROUND GAS	
	UNDERGROUND TELEPHONE	
	OVERHEAD UTILITY	
	FENCE	
	CHAIN LINK FENCE	
	CONCRETE CURB	
	RETAINING WALL	
	CONCRETE	
	NO PARKING	
	BUILDING CONTOUR	
	SPOT ELEVATION	
	DIRECTION OF FLOW	
	TREE LINE	
	PARKING SETBACK LINE	
	BUILDING SETBACK LINE	

GENERAL NOTES

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- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THIS PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPROPRIATE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARDS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE DUTY OF THE ENGINEER OR THE DEVELOPER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTORS PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
- BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, STATE AND LOCAL REQUIREMENTS AND THE DETAILS SHOWN ON THE DETAIL SHEET(S) OF THE PROJECT PLANS.
- ALL CONSTRUCTION PERMITS, APPLICATIONS AND FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL ENTRANCES AND CONNECTIONS TO CITY STREETS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND NOTIFICATIONS AS REQUIRED.
- ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE CITY. THIS SHALL INCLUDE ALL SIGNAGE, BARRICADES, FLASHERS AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
- ADJUST ALL EXISTING STRUCTURES, BOTH PUBLIC AND PRIVATE TO THE PROPOSED GRADES WHERE DISTURBED AND COMPLY WITH ALL REQUIREMENTS OF THE UTILITY OWNERS, STRUCTURES BEING RESET TO PAVED AREAS MUST MEET OWNERS REQUIREMENTS FOR TRAFFIC LOADING.
- EXISTING TOPOGRAPHY PROVIDED BY LOUCKS ASSOCIATES, TOPOGRAPHIC SURVEY.

- SUBGRADE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH MNDOT 2112. THE TOP 3 FEET SHALL BE COMPACTED TO 100% OF THE STANDARD PROCTOR DENSITY.
- AGGREGATE BASE SHALL BE MNDOT 2211 CLASS 5. COMPACTION SHALL BE BY THE QUALITY COMPACTION METHOD.
- PLANT MIXED BITUMINOUS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH MNDOT 2360 WITH MIX DESIGN AS SHOWN ON THE DETAILS. COMPACTION SHALL BE BY THE ORDINARY COMPACTION METHOD.
- CONCRETE CURB & GUTTER SHALL BE PERFORMED IN ACCORDANCE WITH MNDOT 2531. CURING SHALL BE BY THE MEMBRANE CURING METHOD. EXPANSION JOINTS EVERY 200 FEET AT ALL FIXED OBJECTS. CONTRACTIONS JOINTS EVERY 10 FEET.
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SITE NOTES

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- ALL CURB DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

PAVEMENT TYPES

	CONCRETE MEDIAN
	BITUMINOUS TRAIL
	BITUMINOUS PAVEMENT

GROUND COVER

	COMMERCIAL TURF MNDOT: 25-131 SEED MIXTURE RATE: 220 LBS./ACRE MULCH: HYDROSEED
--	--



CALL BEFORE YOU DIG!

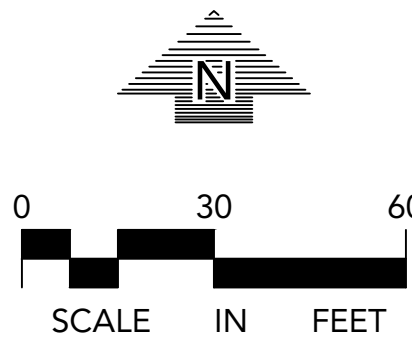
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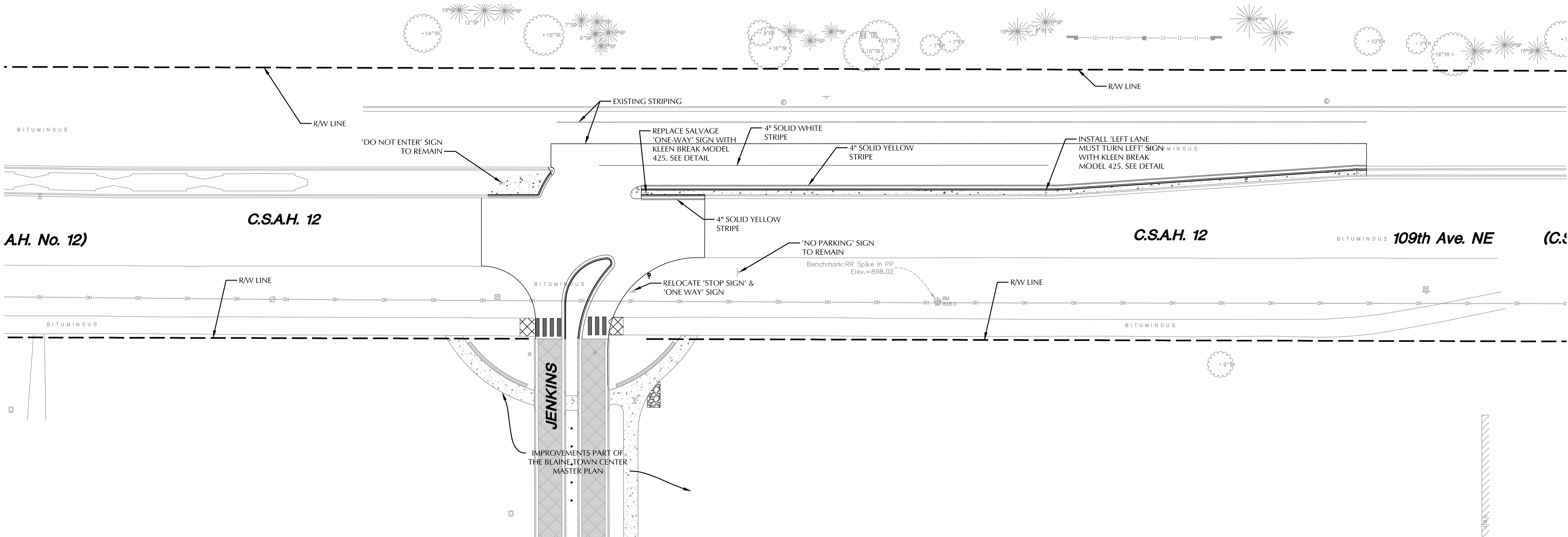
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SITE PLAN

C2-1

Plotted: 04/29/2025 11:55 AM W:\2023\23026\CADD DATA\CIVIL\dwg Sheet Files\109TH TURN LANES\C2-2 STRIPING & SIGNAGE PLAN



## LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
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	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
	GATE VALVE	
	POST INDICATOR VALVE	
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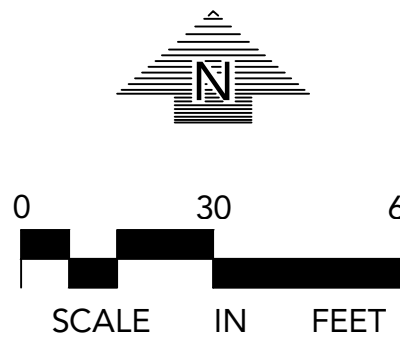
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## COUNTY ROAD 12 & JENKINS TURN LANE IMPROVEMENTS

BLAINE, MN

EB BLAINE  
DEVELOPMENT

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MINNEAPOLIS, MN 55416

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COUNTY SUBMITTAL	02/26/25
COUNTY RESPONSE	03/28/25
PERMIT SET	04/29/25

## PROFESSIONAL SIGNATURE

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PJ Disch - PE  
License No. 49933  
Date 04-29-25

Loucks Project No. 23026C  
Project Lead PJD  
Drawn By DDL  
Checked By PJD  
Review Date 04-29-25

## SHEET INDEX

C1-1	DEMOLITION PLAN
C2-1	SITE PLAN
C2-2	STRIPING & SIGNAGE PLAN
C3-1	GRADING & EROSION CONTROL PLAN
C3-2	CROSS SECTIONS
C4-1	DETAIL SHEET



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## QUALITY CONTROL

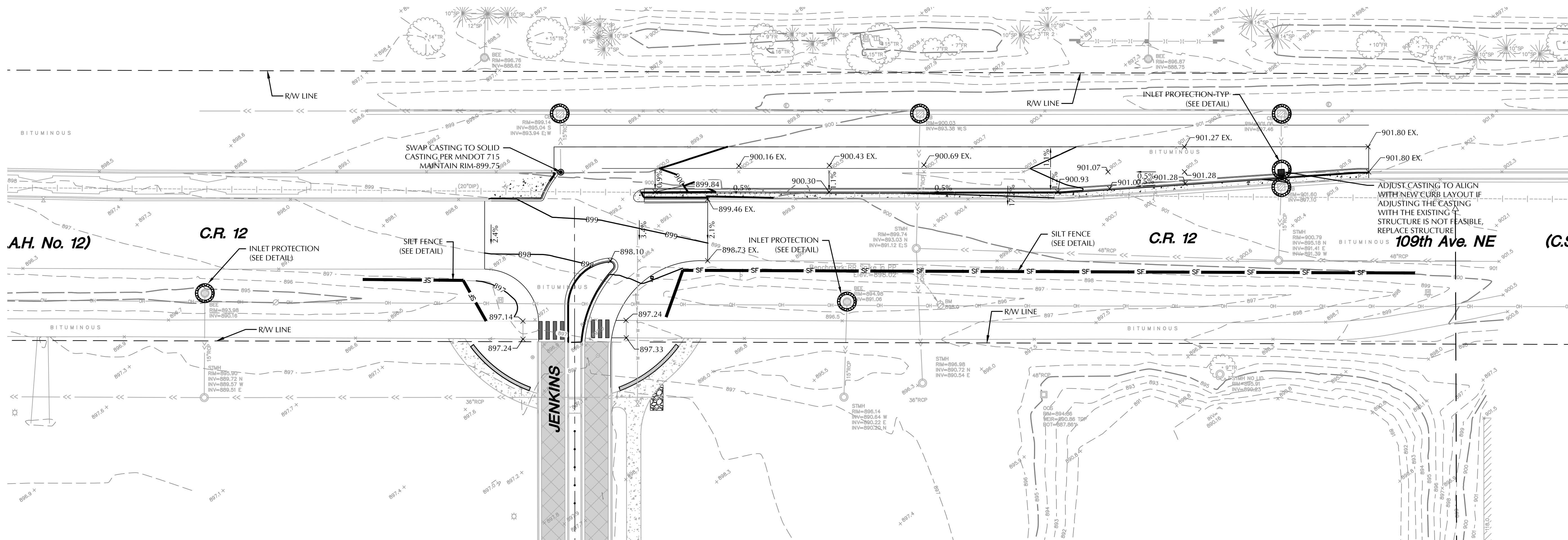
Loucks Project No. 230260  
Project Lead PJ  
Drawn By DD  
Checked By PJ  
Review Date 04-29-2011

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	CONTROL PLAN
C3-2	CROSS SECTION
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# GRADING & EROSION CONTROL PLAN

# C3-1



### LEGEND


EXISTING		PROPOSED
	CATCH BASIN	
	STORM MANHOLE	
	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
	GATE VALVE	
	POST INDICATOR VALVE	
	WATER MANHOLE / WELL	
	LIGHT POLE	
	POWER POLE	
	ELECTRIC METER	
	GAS METER	
	TELEPHONE PEDESTAL	
	SIGN	
	BENCHMARK	
	SOIL BORING	
	PARKING STALL COUNT	
	ACCESSIBLE PARKING STALL	
	STORM SEWER	
	DRAIN TILE	
	SANITARY SEWER	
	FORCE MAIN	
	WATERMAIN	
	SANITARY SEWER SERVICE	
	WATER SERVICE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND FIBER OPTIC	
	UNDERGROUND GAS	
	UNDERGROUND TELEPHONE	
	OVERHEAD UTILITY	
	FENCE	
	CHAIN LINK FENCE	
	CONCRETE CURB	
	RETAINING WALL	
	CONCRETE	
	NO PARKING	
	BUILDING	
	CONTOUR	
	SPOT ELEVATION	
	DIRECTION OF FLOW	
	TREE LINE	
	PARKING SETBACK LINE	
	BUILDING SETBACK LINE	

## GRADING, DRAINAGE & EROSION CONTROL NOTES

1. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL PUBLIC SIDEWALKS SHALL BE CONSTRUCTED WITH A CROSS SLOPE NOT EXCEEDING 2% AND A RUNNING SLOPE NOT EXCEEDING 5%.
3. CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
4. CITY AND WATERSHED SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF STORMWATER BMPs.
5. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. REFER TO THE LANDSCAPE PLANS, DETAILS AND SPECIFICATIONS FOR FINAL SITE STABILIZATION.
6. STREETS MUST BE CLEANED AND SWPT WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
7. DUST MUST BE ADEQUATELY CONTROLLED.
8. SEE UTILITY PLAN FOR WATERMAIN, STORM SEWER, AND SANITARY SEWER INFORMATION.
9. SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
10. THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS.
11. INSTALL EROSION CONTROL MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
12. PER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) REQUIREMENTS, THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS SHALL BE PROPERLY CONTAINED AND DISPOSED OF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND USING APPROVED METHODS OF CONTAINMENT SUCH AS PRE-FABRICATED WASHOUT CONTAINERS, CONCRETE WASHOUT TOTE, READY MIX TRUCKS WITH SELF-CONTAINED CHUTE CLEANOUT, ETC.
13. CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF GRADING ACTIVITIES AS NEEDED PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.

### EROSION CONTROL LEGEND

— SF — SILT FENCE

 INLET PROTECTION

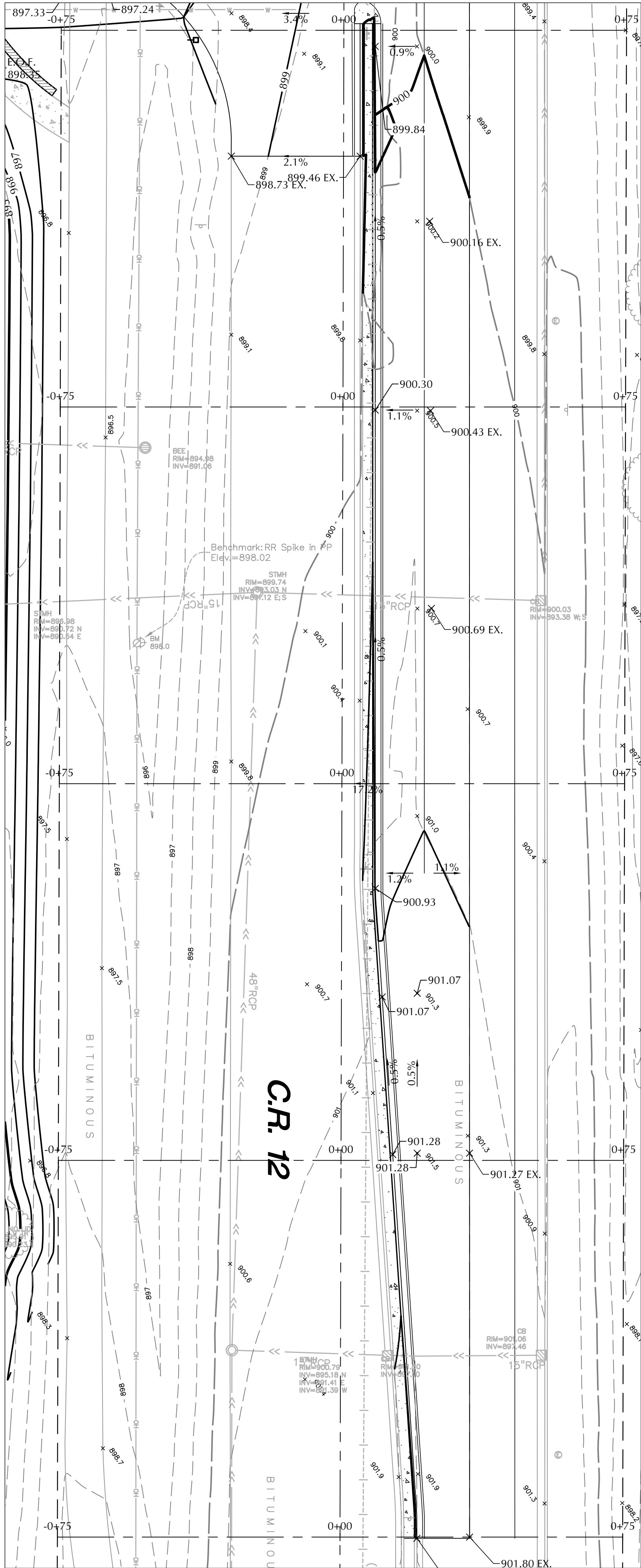


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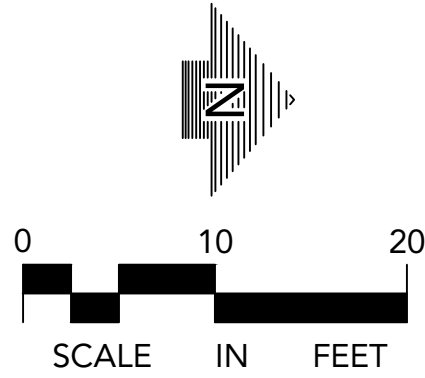
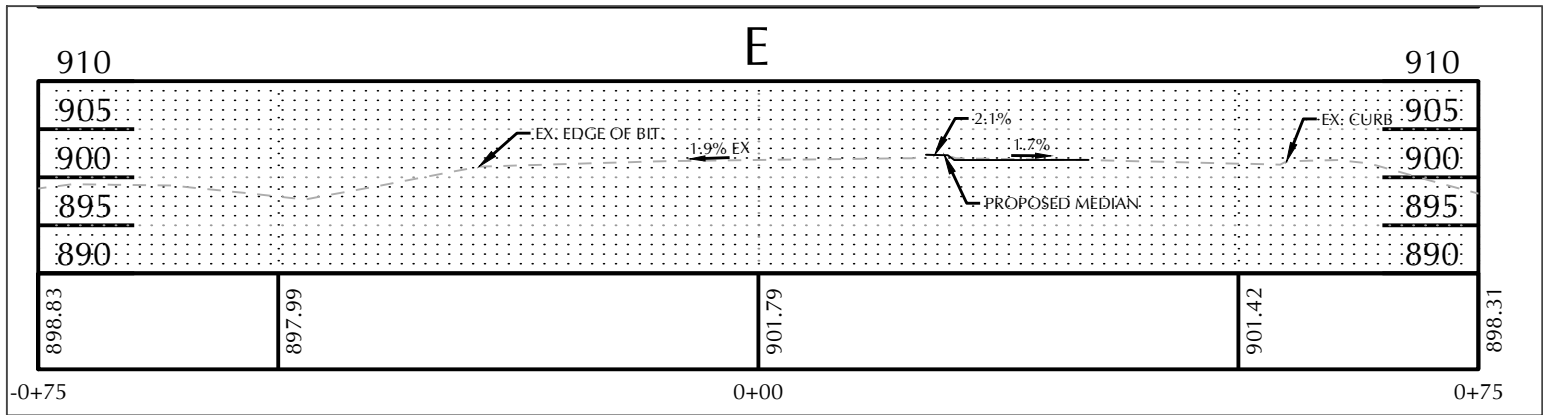
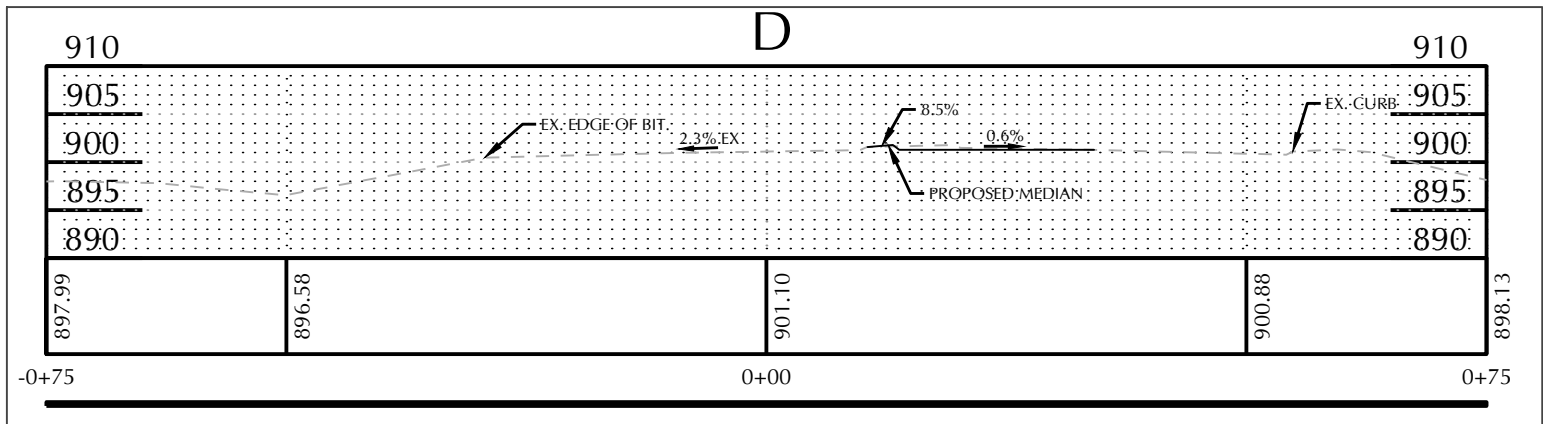
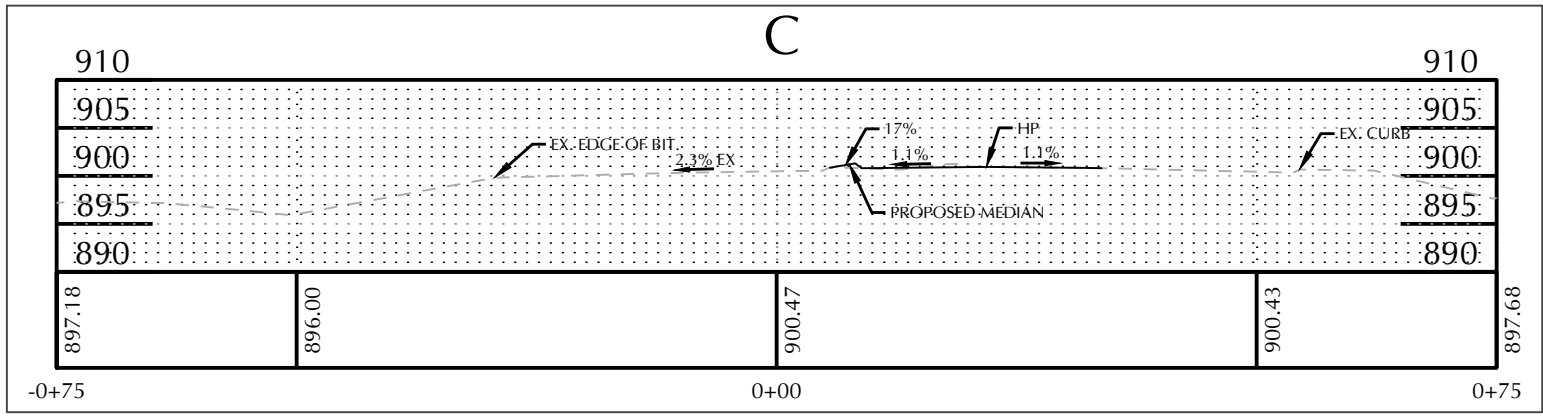
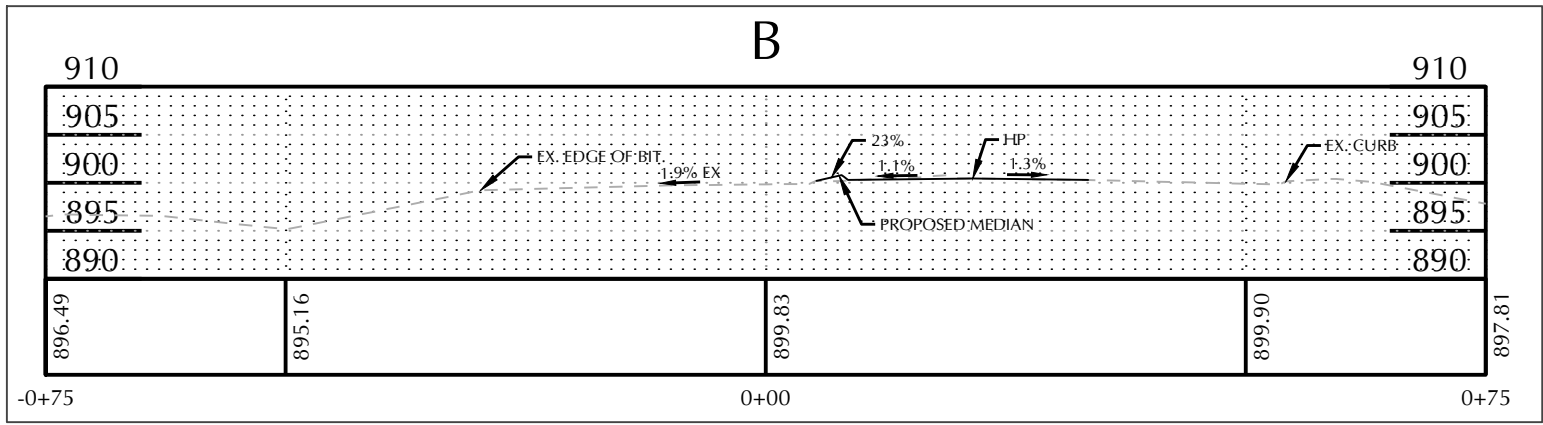
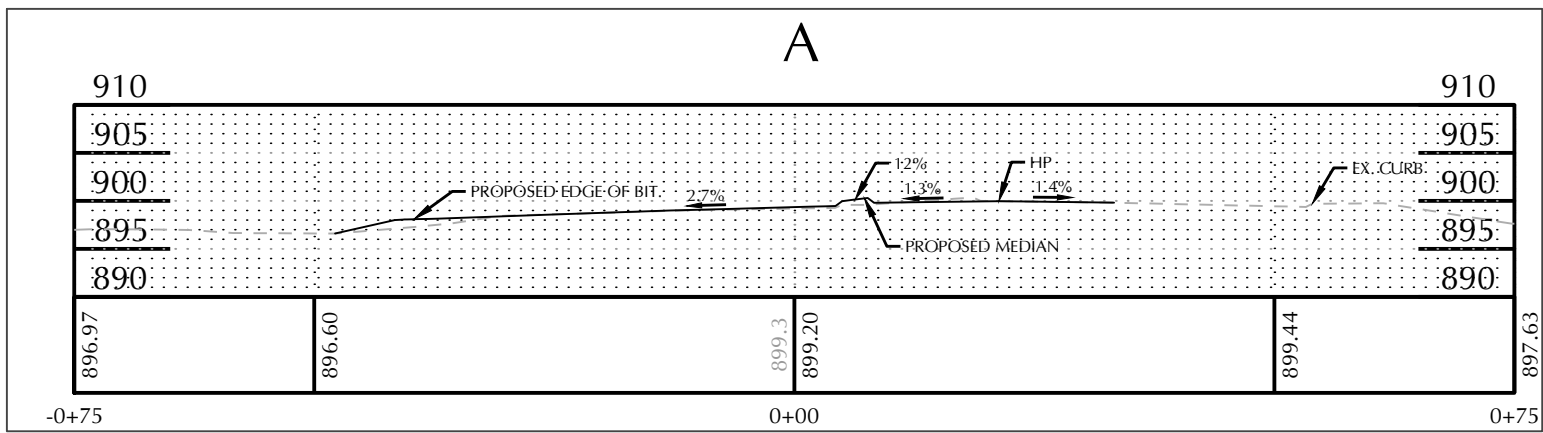
A

B

C

D

E



LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
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\*SEE DETAIL SHEET (C4-1) FOR ROAD PAVEMENT SECTION



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002  
TOLL FREE: 1-800-252-1166

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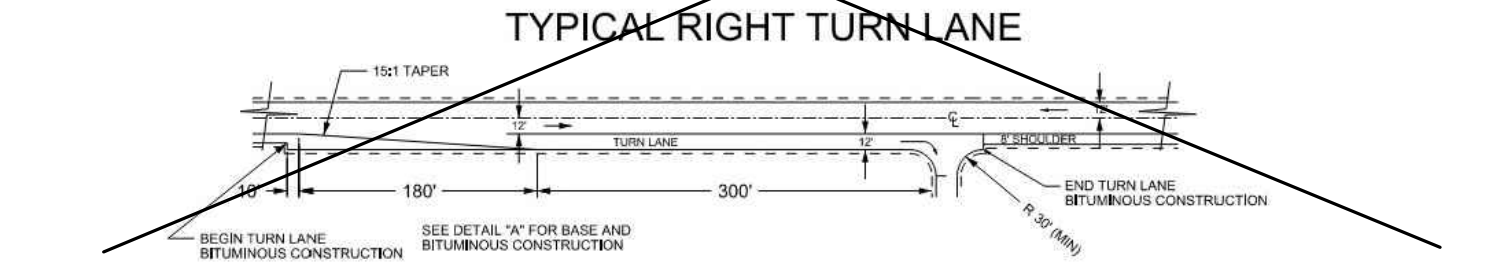
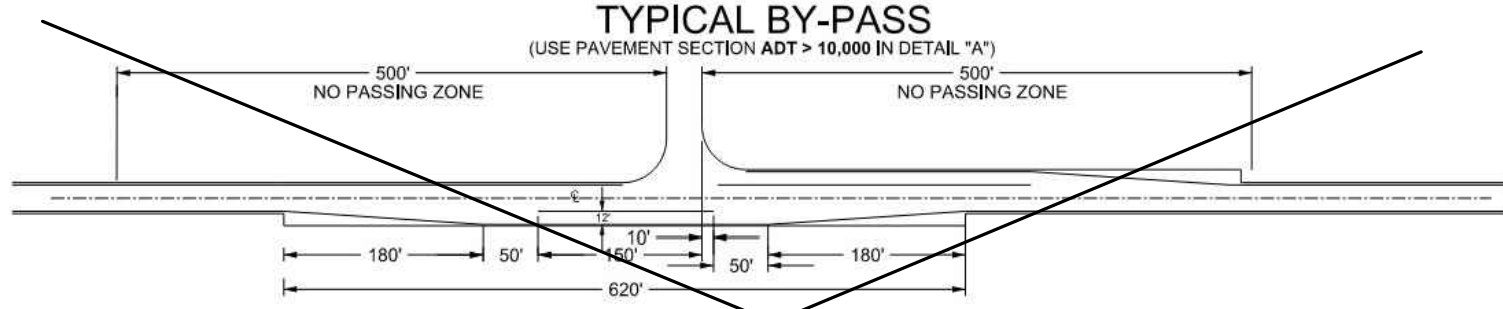
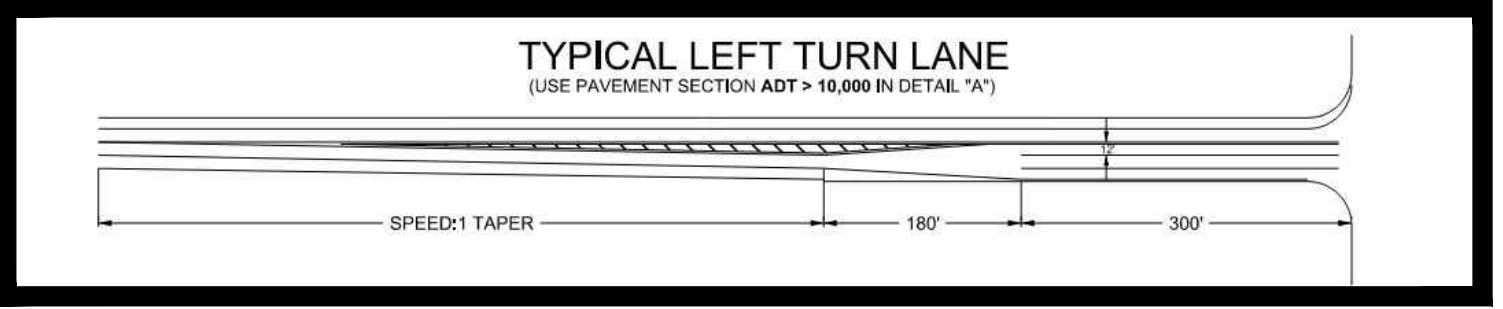
CROSS  
SECTIONS

C3-2



Plotted: 04/29/2025 11:38 AM W:\2023\2024\CADD\CADD DATA\CIVIL\dwg Sheet Files\109TH TURN LANES\C4-1 CIVIL DETAILS

ANOKA COUNTY HIGHWAY DEPARTMENT



ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MNDOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

Turn/Bypass Lane Addition  
On Existing Highway

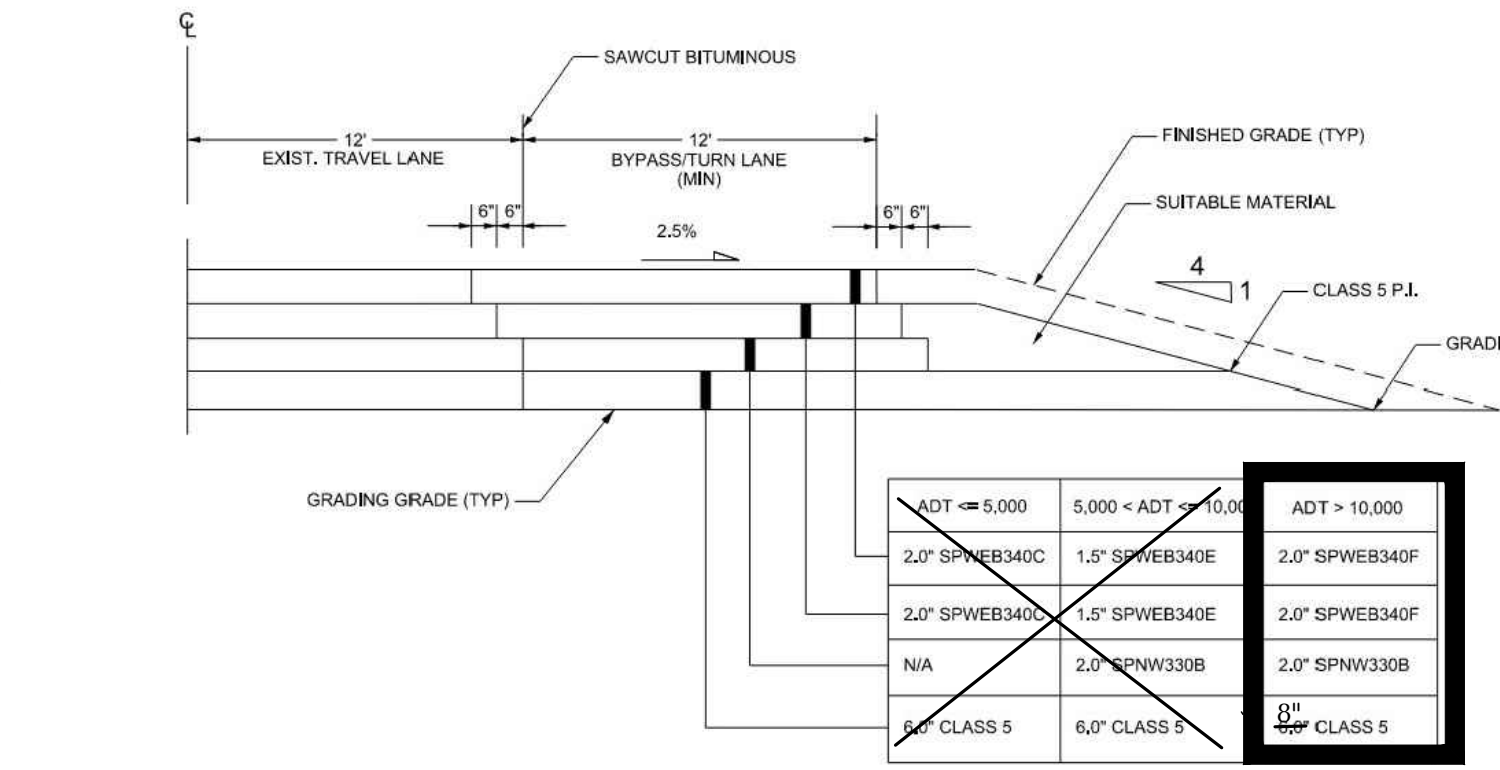
NOT TO SCALE

EXHIBIT 1

January 2020

FILE NAME: B0048

ANOKA COUNTY HIGHWAY DEPARTMENT



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Base and Bituminous Construction Detail

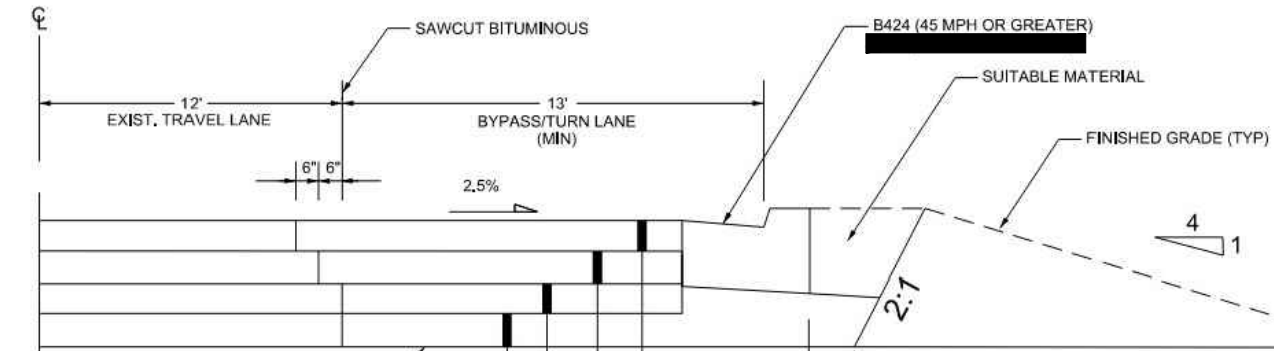
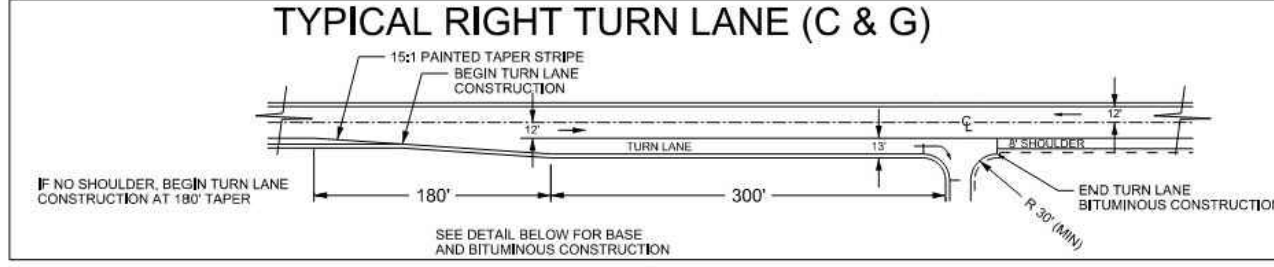
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DETAIL A

September 2019

FILE NAME: B0048

ANOKA COUNTY HIGHWAY DEPARTMENT



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Base and Bituminous Construction Detail  
For Curb and Gutter Section

NOT TO SCALE

DETAIL A

January 2020

FILE NAME: B0048

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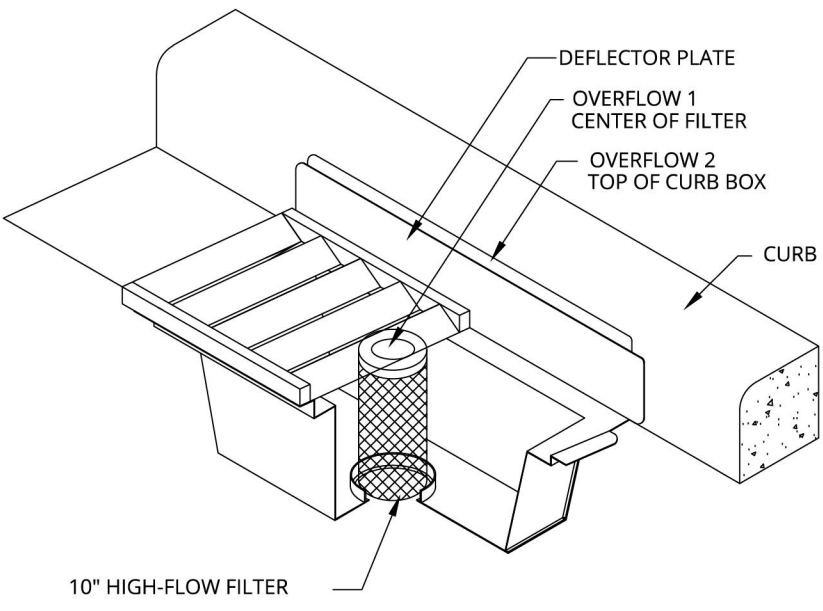
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- NOTES:
- WIMCO CG MODEL OR APPROVED EQUAL TO MATCH CASTING
  - SILT FENCE/FABRIC NOT ALLOWED TO BE USED AS INLET PROTECTION

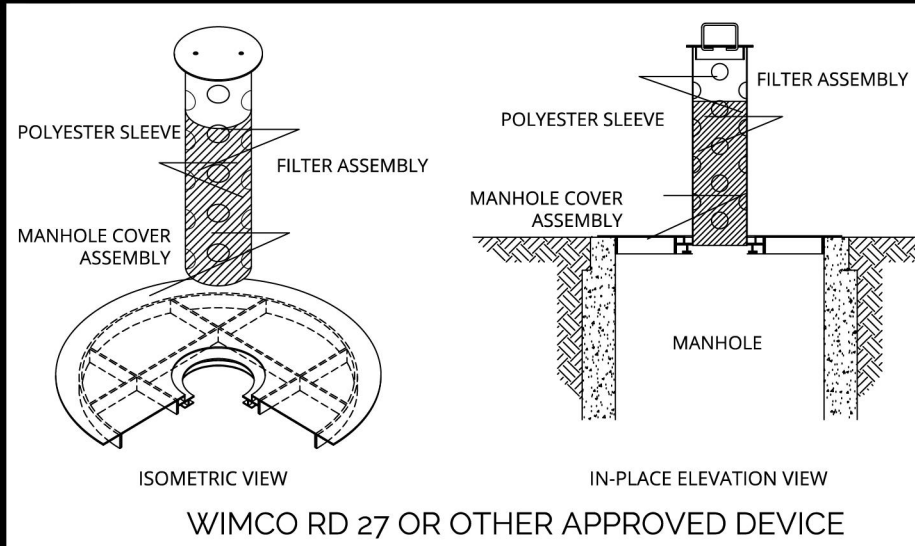
INLET PROTECTION  
FOR CURB AND GUTTER

Plate No. EC-4



2024 STANDARD DETAIL PLATE

City of Blaine - Engineering Department  
10801 Town Square Drive NE, Blaine, Minnesota 55449 763.785.6172 Fax 763.785.6139



TYPICAL SODDING DETAIL  
FOR YARD CATCH BASIN

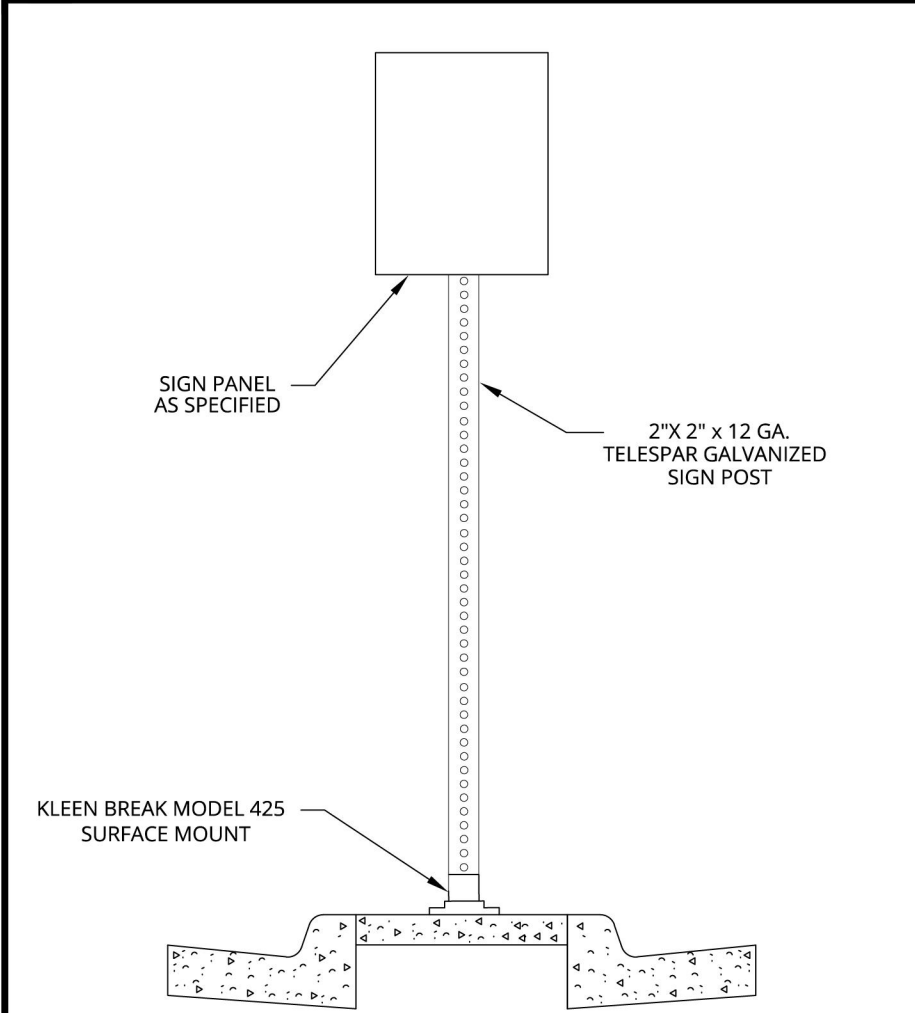
BACK YARD CATCH BASIN  
INLET PROTECTION

Plate No. EC-5



2024 STANDARD DETAIL PLATE

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TRAFFIC SIGN  
INSTALLATION ON CONCRETE

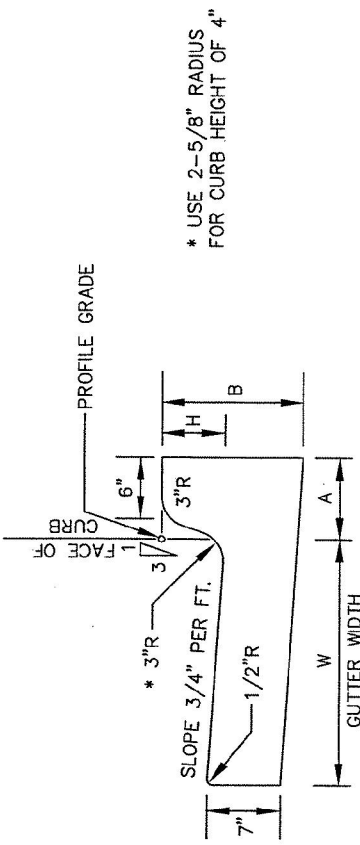
Plate No. ST-15



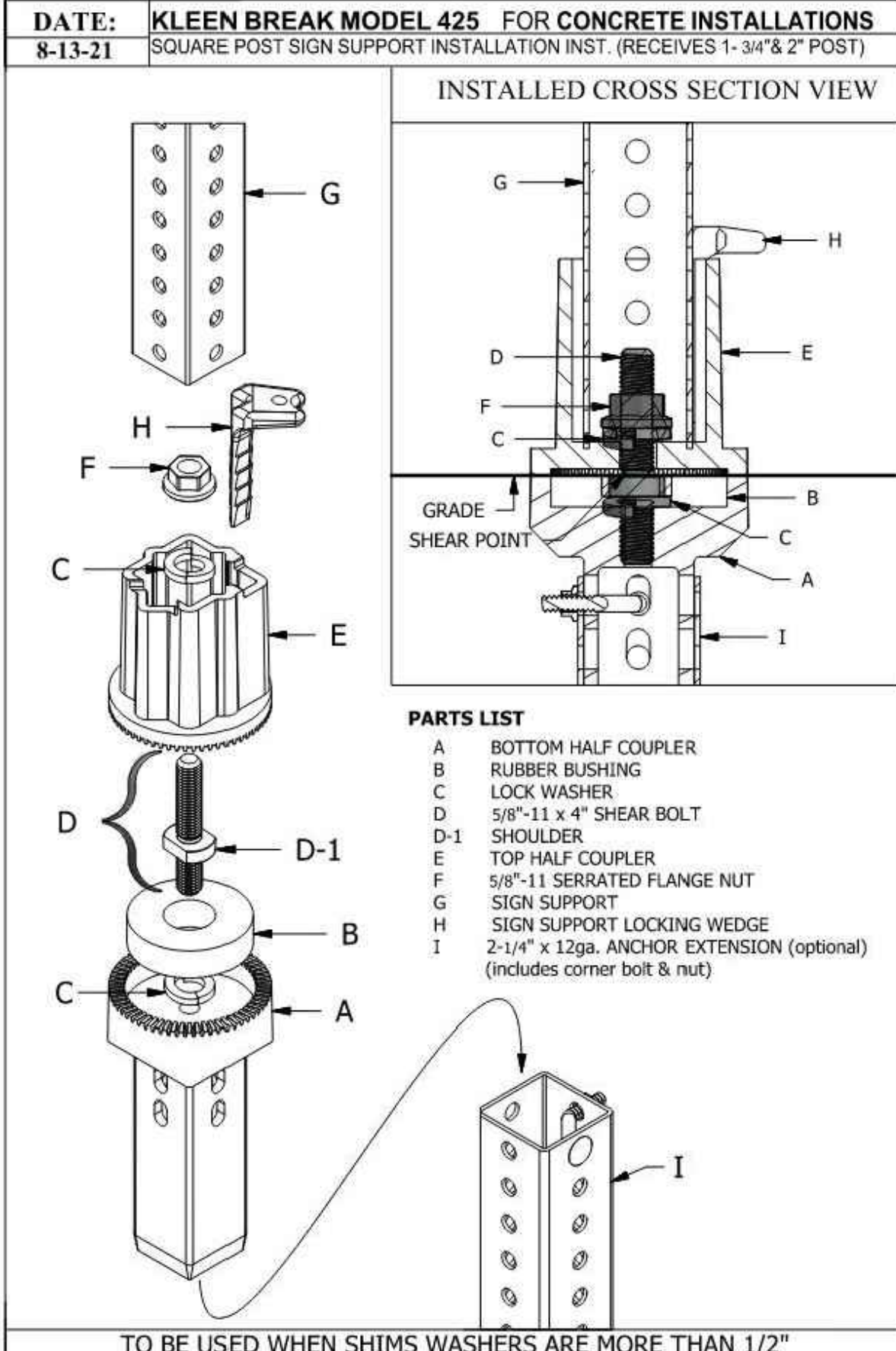
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B418 CURB AND GUTTER



W = 30"		W = 24"		W = 18"		W = 12"	
CONCRETE	ON NOIS30	CONCRETE	ON NOIS30	CONCRETE	ON NOIS30	CONCRETE	ON NOIS30
CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.	CU. YDS. UN. FT.
10.00 10.00	10.00 10.00	8.00 8.00	8.00 8.00	6.00 6.00	6.00 6.00	4.00 4.00	4.00 4.00
1.57 1.57	1.57 1.57	1.57 1.57	1.57 1.57	1.57 1.57	1.57 1.57	1.57 1.57	1.57 1.57
0.0745 0.0745	0.0745 0.0745	0.0745 0.0745	0.0745 0.0745	0.0745 0.0745	0.0745 0.0745	0.0745 0.0745	0.0745 0.0745
12.5 12.5	12.5 12.5	12.5 12.5	12.5 12.5	12.5 12.5	12.5 12.5	12.5 12.5	12.5 12.5
0.0853 0.0853	0.0853 0.0853	0.0853 0.0853	0.0853 0.0853	0.0853 0.0853	0.0853 0.0853	0.0853 0.0853	0.0853 0.0853
11.7 11.7	11.7 11.7	11.7 11.7	11.7 11.7	11.7 11.7	11.7 11.7	11.7 11.7	11.7 11.7
11.3 11.3	11.3 11.3	11.3 11.3	11.3 11.3	11.3 11.3	11.3 11.3	11.3 11.3	11.3 11.3



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CIVIL DETAILS

C4-1