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MICHAEL S. NILL
LIC. NO. 26914 DATE 02/06/2023



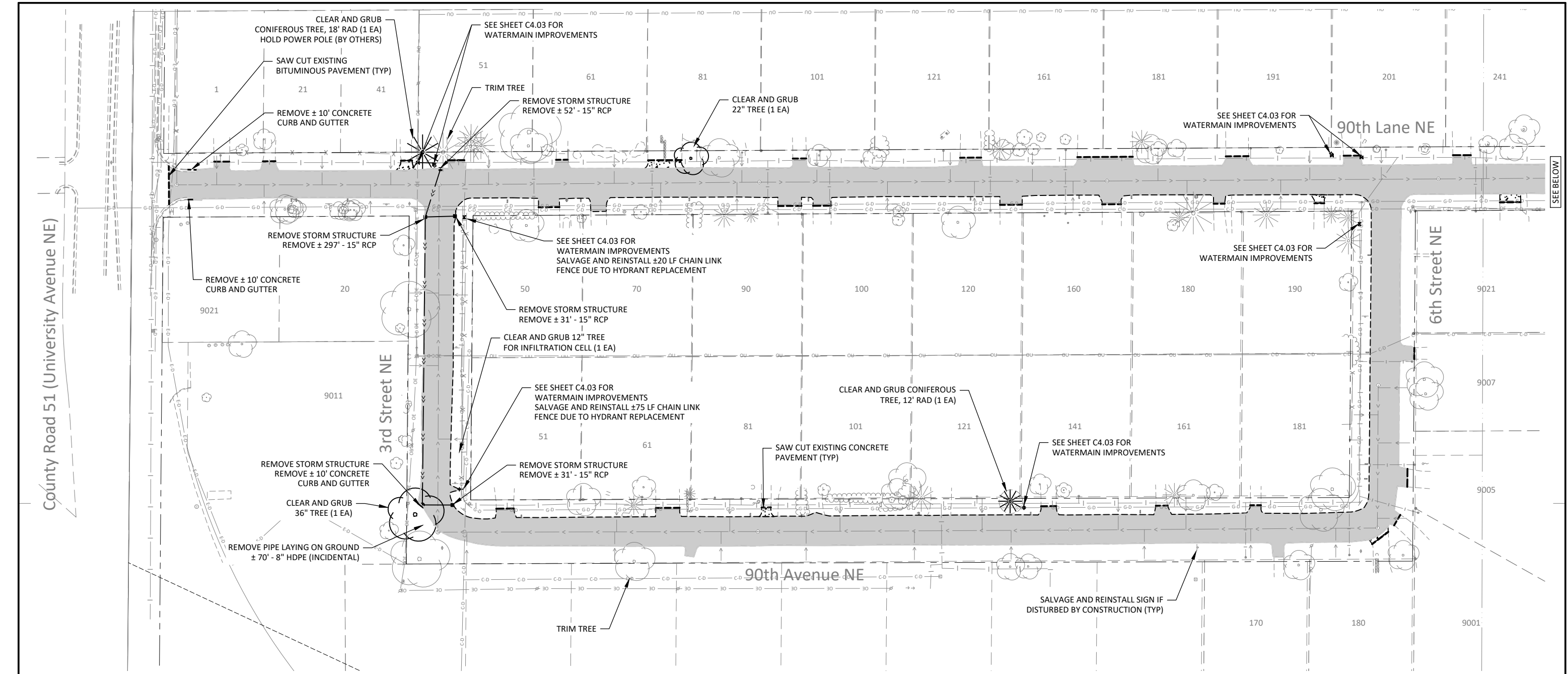
3507 HIGH POINT DRIVE NORTH
BLDG. 1 SUITE E130
OAKDALE, MINNESOTA 55128
Phone: (651) 704-9970
Email: Oakdale@bolton-menk.com
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CLIENT PROJ. NO.	23-07			

BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
LOCATION PLAN (AREA 2 AND AREA 3)

SHEET

G2.02



REMOVE EXISTING BITUMINOUS SURFACING

REMOVE EXISTING CONCRETE SURFACING

REMOVE EXISTING GRAVEL SURFACING

NOTES:

1. LIMITS MARKED IN FIELD BY THE ENGINEER.

2. SAW CUT ALL EXISTING PAVEMENTS (BITUMINOUS AND CONCRETE) PRIOR TO REMOVALS. DRAWINGS SHOW APPROXIMATE LOCATIONS.

3. SEE SHEET C4.03 FOR ADDITIONAL DETAILS ABOUT WATER MAIN REMOVALS.

0

50

100

HORZ. SCALE FEET

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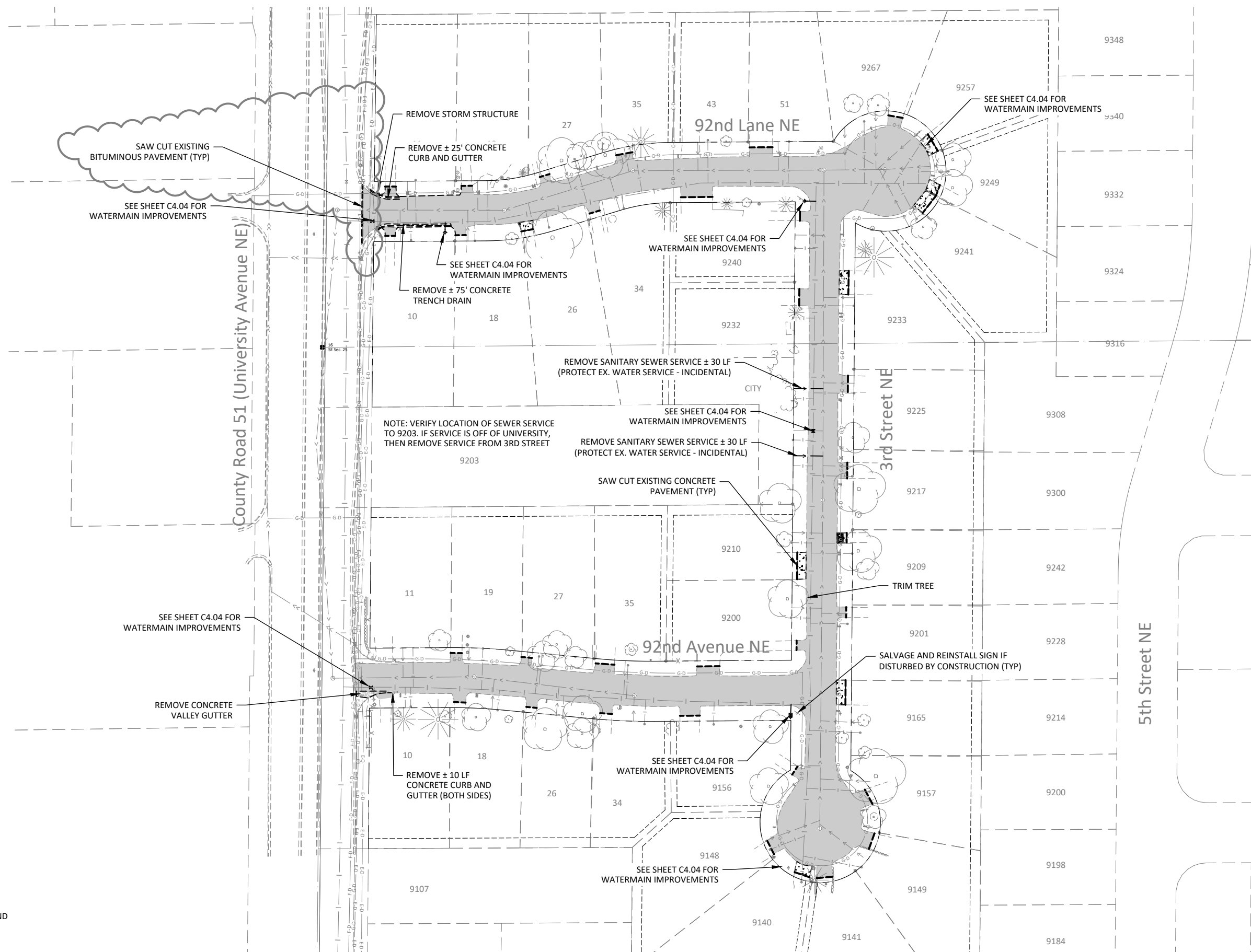
BLAINE, MINNESOTA

2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT

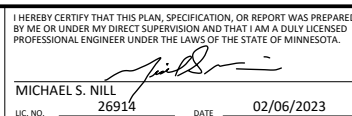
EXISTING CONDITIONS & REMOVALS

AREA 2 - 90TH LANE, 90TH AVENUE, 3RD STREET & 6TH STREET

SHEET C0.03



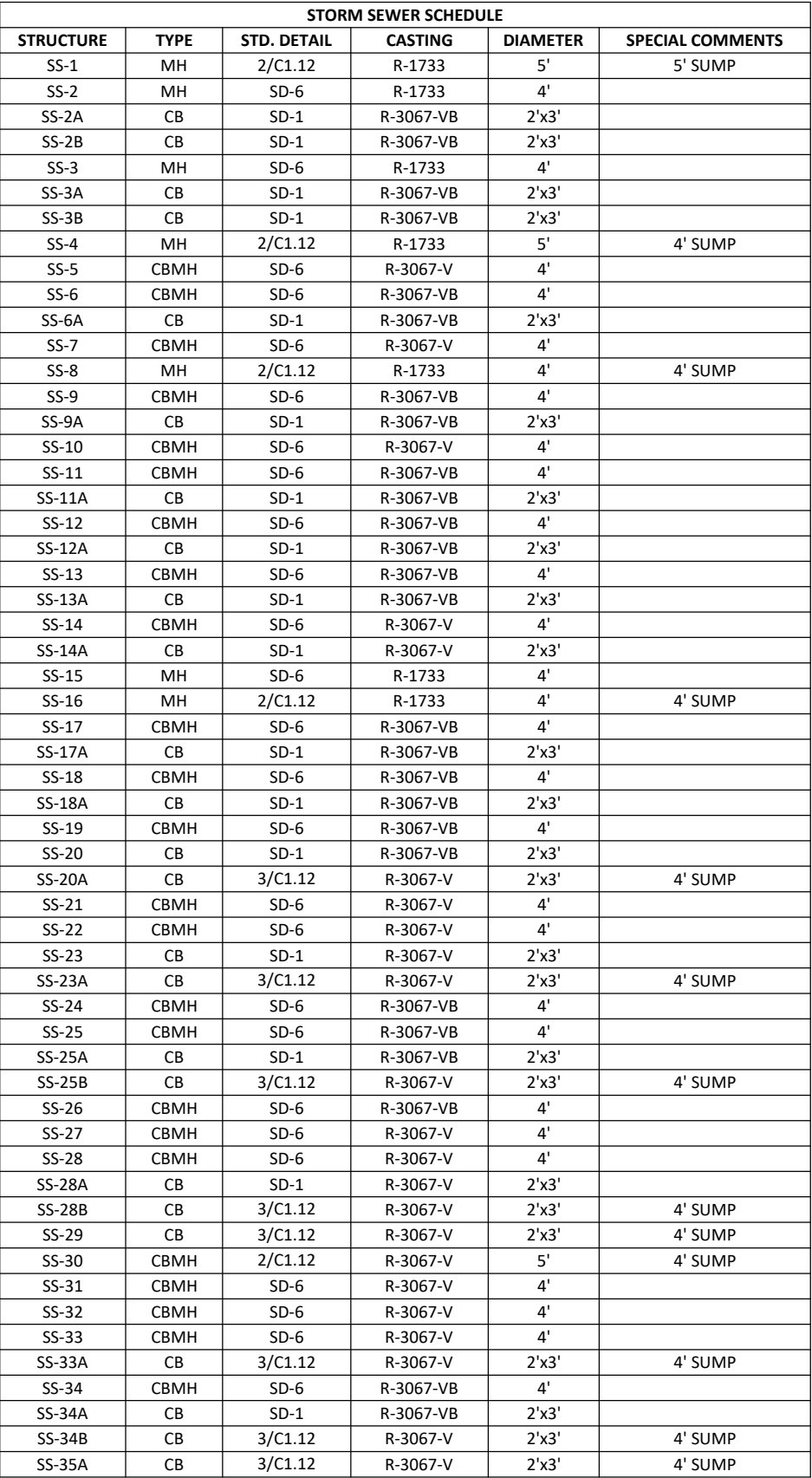
- | | |
|---|---|
|  | REMOVE EXISTING
BITUMINOUS SURFACING |
|  | REMOVE EXISTING
CONCRETE SURFACING |
|  | REMOVE EXISTING
GRAVEL SURFACING |



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SHEET

C0.04



1. UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY AND MAY NOT BE SHOWN IN THEIR ENTIRETY THROUGHOUT THE PROJECT. NOTIFY ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION FOR FIELD VERIFICATION OF UTILITIES.
2. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
3. INSTALL TEMPORARY TRAFFIC CONTROL PRIOR TO CONSTRUCTION.
4. MAINTAIN ACCESS FOR LOCAL TRAFFIC AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNAGE, AND ASSOCIATED MAINTENANCE.
5. SAW CUT ALL EXISTING STREETS AND DRIVEWAYS AS DIRECTED BY THE ENGINEER. DRAWINGS SHOW APPROXIMATE LOCATIONS. SAW CUTTING SHALL BE INCIDENTAL.
6. SALVAGE AND REINSTALL ALL MAILBOXES AS DIRECTED BY THE ENGINEER.
7. REMOVE AND REPLACE ALL STREET SIGNS AS DIRECTED BY THE ENGINEER.
8. CONTRACTOR WILL BE PROVIDED MnDNR BLANDING'S TURTLE FACT SHEET AND FLYER AT PRECONSTRUCTION MEETING.
9. THE PLAN QUANTITY VOLUMES FOR THE COMMON EXCAVATION (P) AND COMMON EMBANKMENT (P) BID ITEMS WERE CALCULATED USING THE EXISTING GROUND ELEVATION COMPARED TO THE BOTTOM OF THE CLASS 5 AGGREGATE BASE WITHIN THE ROADWAY SECTION, EXCLUDING THE VOLUME OF EXISTING BITUMINOUS PAVEMENT (3.5" AVERAGE DEPTH PER GEOTECHNICAL REPORT), AND COMPARED TO THE BOTTOM OF THE NEW 4" DEPTH OF TOPSOIL IN THE BOULEVARDS. EXCAVATION FOR DRIVEWAY PATCHING IS CONSIDERED INCIDENTAL TO THE NEW DRIVEWAY AND THEREFORE IS NOT INCLUDED.




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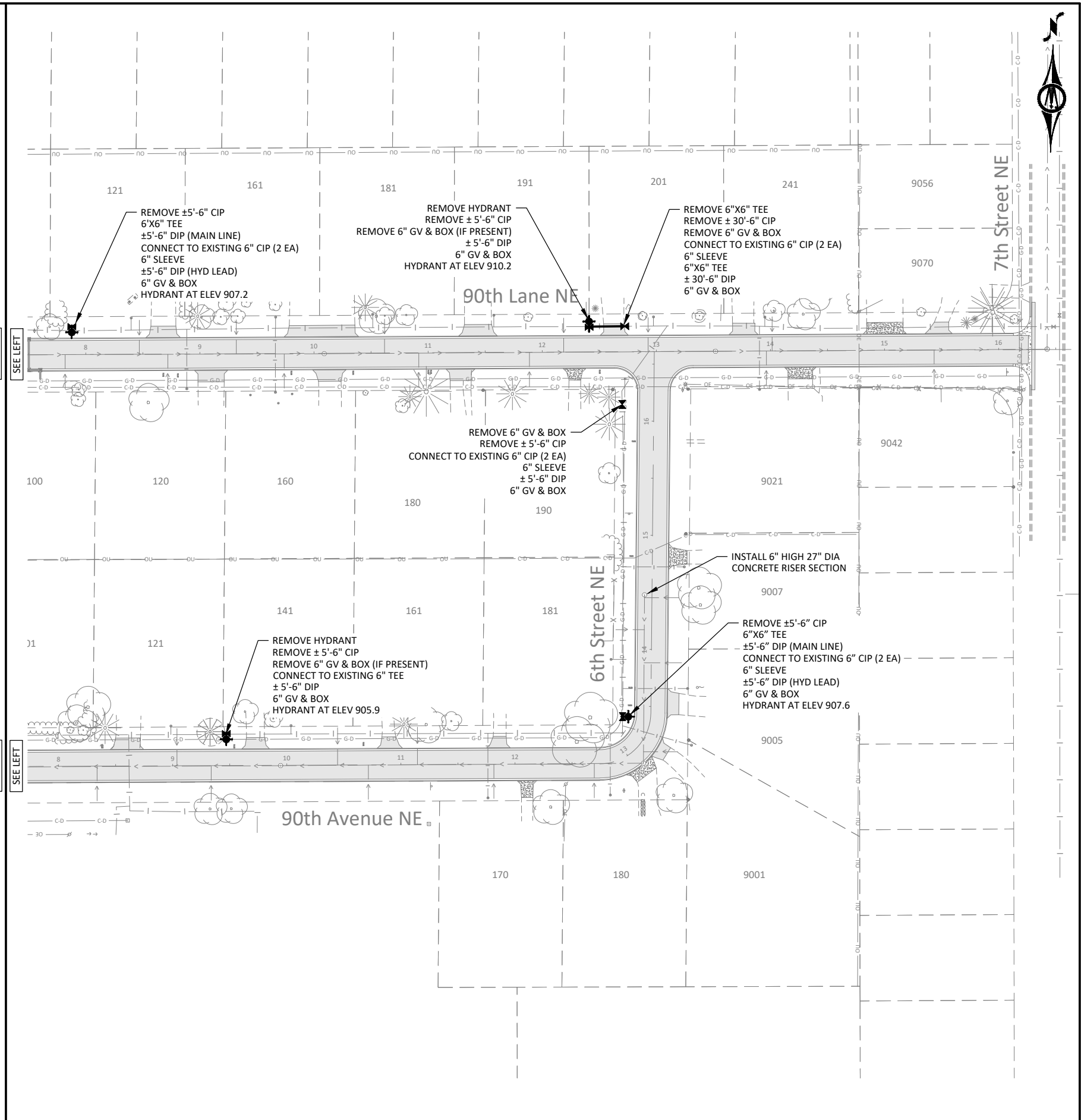
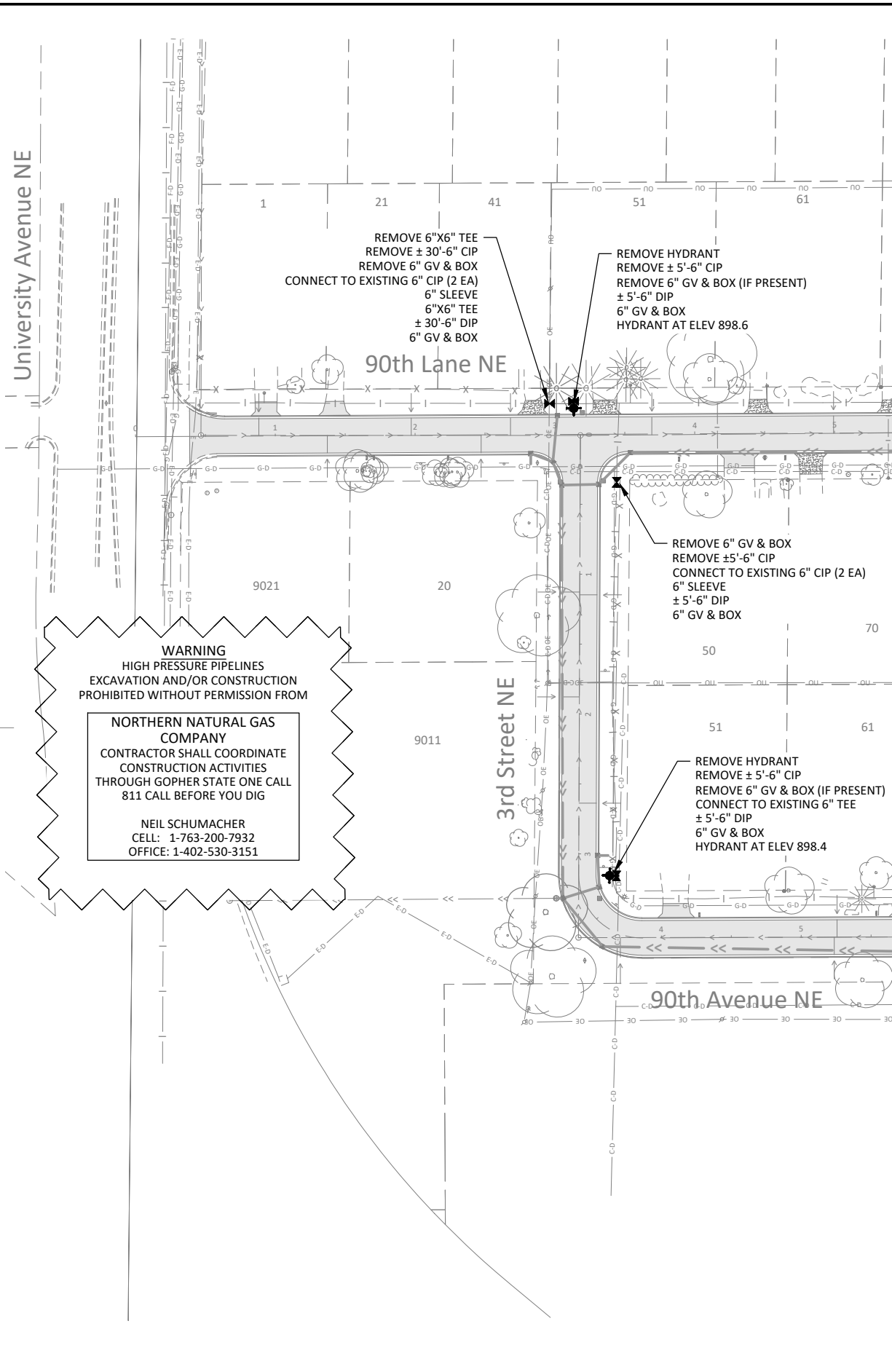
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT

TYPICAL SECTION, STORM SEWER SCHEDULE & GENERAL NOTES

SHEET

C1.01

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BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
SANITARY SEWER & WATERMAIN
AREA 2

SHEET

C4.03



WARNING
HIGH PRESSURE PIPELINES
EXCAVATION AND/OR CONSTRUCTION
PROHIBITED WITHOUT PERMISSION FROM

NORTHERN NATURAL GAS
COMPANY
CONTRACTOR SHALL COORDINATE
CONSTRUCTION ACTIVITIES
THROUGH GOPHER STATE ONE CALL
811 CALL BEFORE YOU DIG

NEIL SCHUMACHER
CELL: 1-763-200-7932
OFFICE: 1-402-530-3151

REMOVE 6" GV & BOX
REMOVE ±5'-6" CIP
CONNECT TO EXISTING 6" CIP (2 EA)
6" SLEEVE
±5'-6" DIP
6" GV & BOX

REMOVE HYDRANT
REMOVE ±10'-6" CIP
REMOVE 6" GV & BOX (IF PRESENT)
CONNECT TO EXISTING 6" TEE
±10'-6" DIP
6" GV & BOX
HYDRANT AT ELEV 920.1

REMOVE 6" GV & BOX
REMOVE ±5'-6" CIP
CONNECT TO EXISTING 6" CIP (2 EA)
6" SLEEVE
±5'-6" DIP
6" GV & BOX

REMOVE 6" GV & BOX
REMOVE ±5'-6" CIP
CONNECT TO EXISTING 6" CIP (2 EA)
6" SLEEVE
±5'-6" DIP
6" GV & BOX

INSTALL 12" HIGH 27" DIA
CONCRETE RISER SECTION

REMOVE HYDRANT
REMOVE ±10'-6" CIP
REMOVE 6" GV & BOX (IF PRESENT)
CONNECT TO EXISTING 6" TEE
±13'-6" DIP
6" GV & BOX
HYDRANT AT ELEV 907.0

REMOVE 5'-6" CIP
6"x6" TEE
CONNECT TO EXISTING 6" CIP (2 EA)
RECONNECT EXISTING WATER SERVICE(S)
±18'-6" DIP
6" GV & BOX
HYDRANT AT ELEV 910.1

INSTALL 12" HIGH 27" DIA
CONCRETE RISER SECTION

INSTALL 12" HIGH 27" DIA
CONCRETE RISER SECTION

CONNECT TO EXISTING 6" CIP
6" 45° DEG BEND
±20'-6" DIP
6" GV & BOX
HYDRANT AT ELEV 904.5

92nd Lane NE

3rd Street NE

5th Street NE

93rd Avenue NE

92nd Avenue NE



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BLAINE, MINNESOTA

2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT

SANITARY SEWER & WATERMAIN
AREA 3

SHEET

C4.04

WARNING
HIGH PRESSURE PIPELINES
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COMPANY
CONTRACTOR SHALL COORDINATE
CONSTRUCTION ACTIVITIES
THROUGH GOPHER STATE ONE CALL
811 CALL BEFORE YOU DIG

NEIL SCHUMACHER
CELL: 1-763-200-7932
OFFICE: 1-402-530-3151

CONNECT EXISTING 12"
RCP TO NEW STRUCTURE

INSULATE WATER SERVICE
AT STORM CROSSING PER
STANDARD DETAIL WS-5

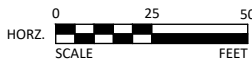
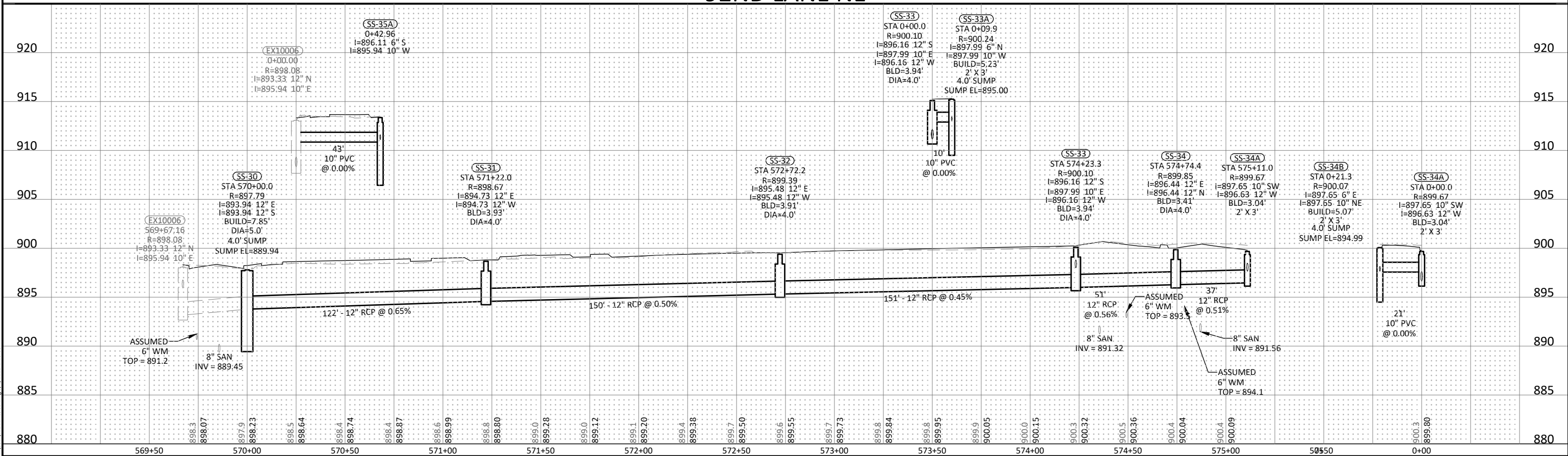
INFILTRATION CELL PER DETAIL 4/C1.12

INFILTRATION CELL PER DETAIL 4/C1.12

NOTES:

- UNLESS OTHERWISE RCP SHALL BE THE FOLLOWING CLASSES:
12"-18" RCP STORM SEWER SHALL BE CLASS 5
21"-27" RCP STORM SEWER SHALL BE CLASS 4
30"-42" RCP STORM SEWER SHALL BE CLASS 3
48" RCP STORM SEWER SHALL BE CLASS 2
- PIPE AND STRUCTURE REMOVALS ARE SHOWN IN RED.
SEE SHEET C0.04 FOR REMOVAL PLANS.

92ND LANE NE



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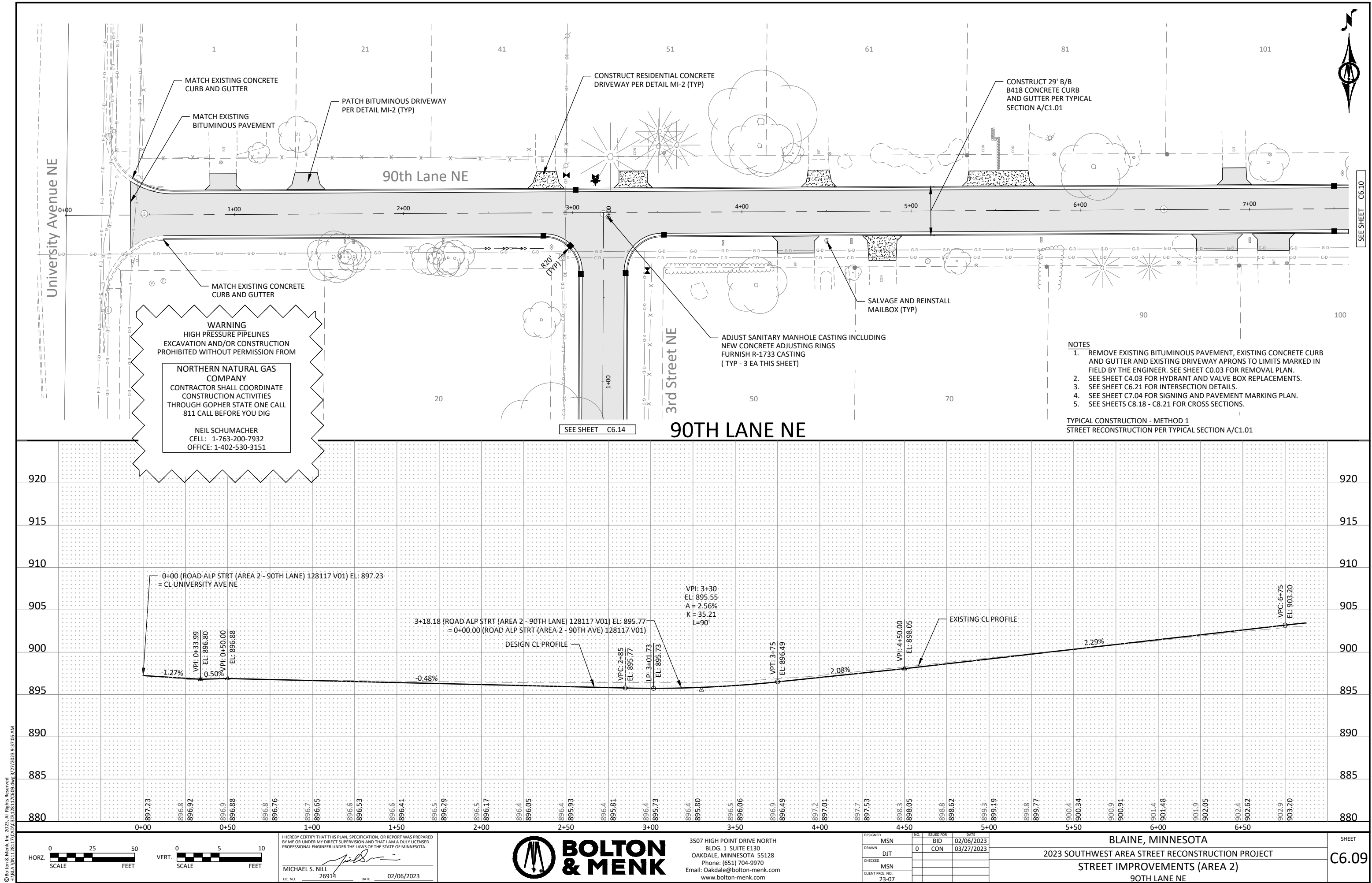


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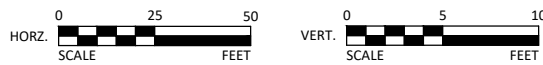
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BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
STORM SEWER (AREA 3)
92ND LANE NE

SHEET
C5.09



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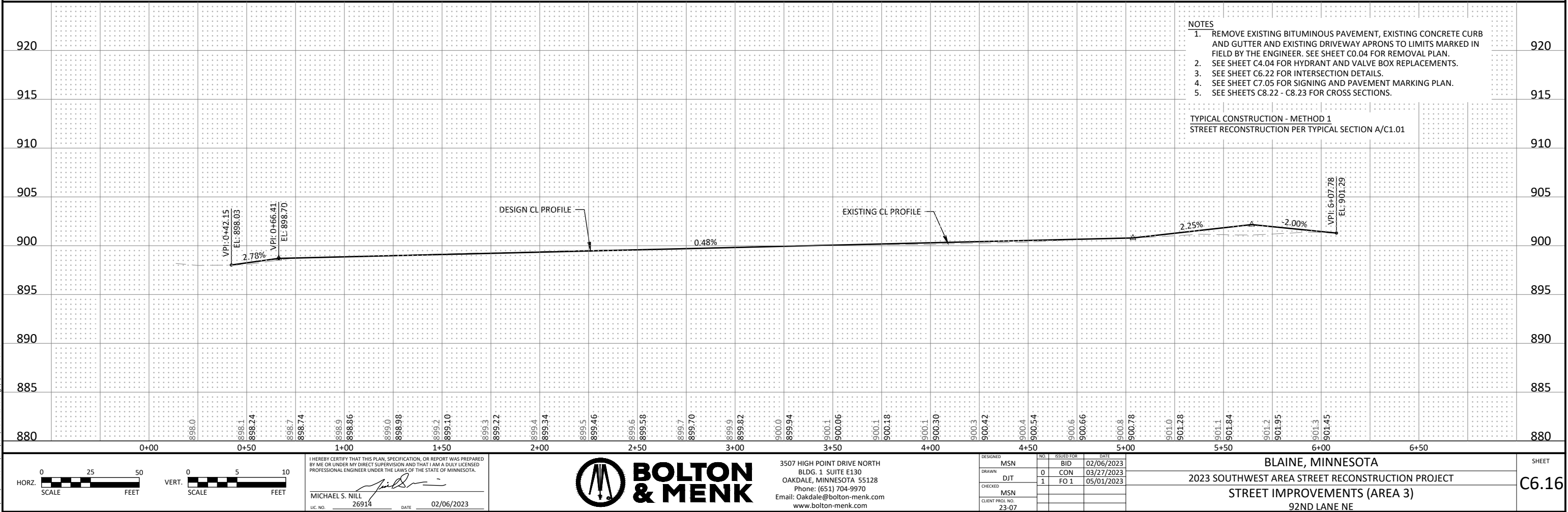
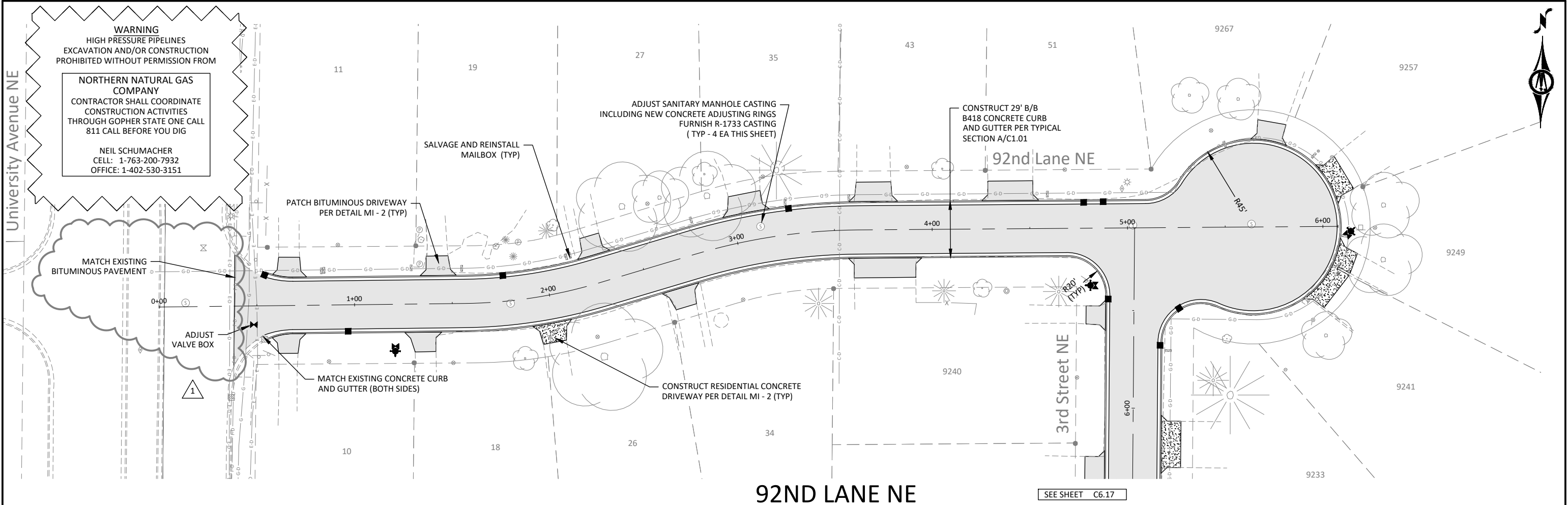


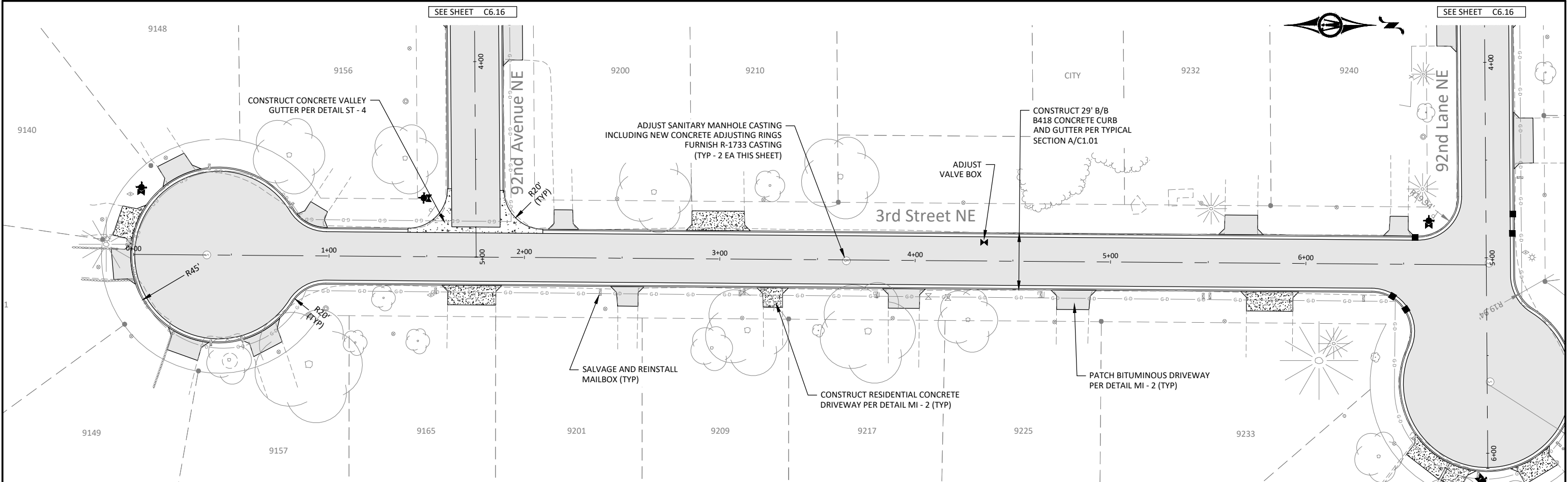
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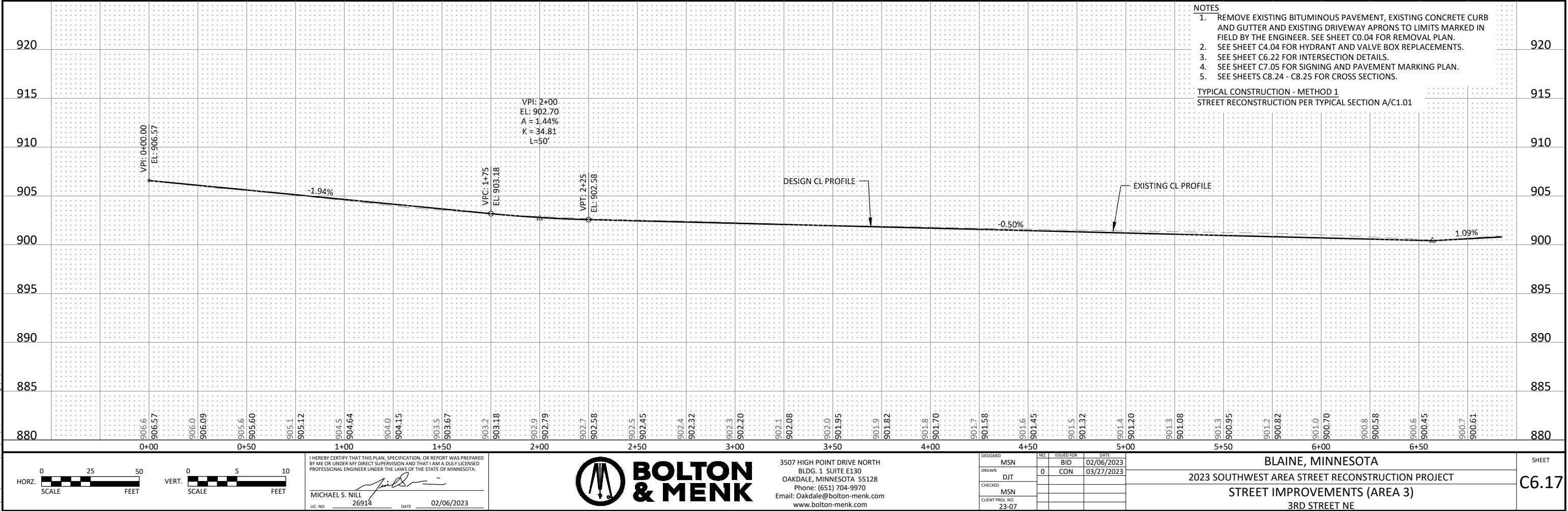
BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
STREET IMPROVEMENTS (AREA 2)
90TH LANE NE

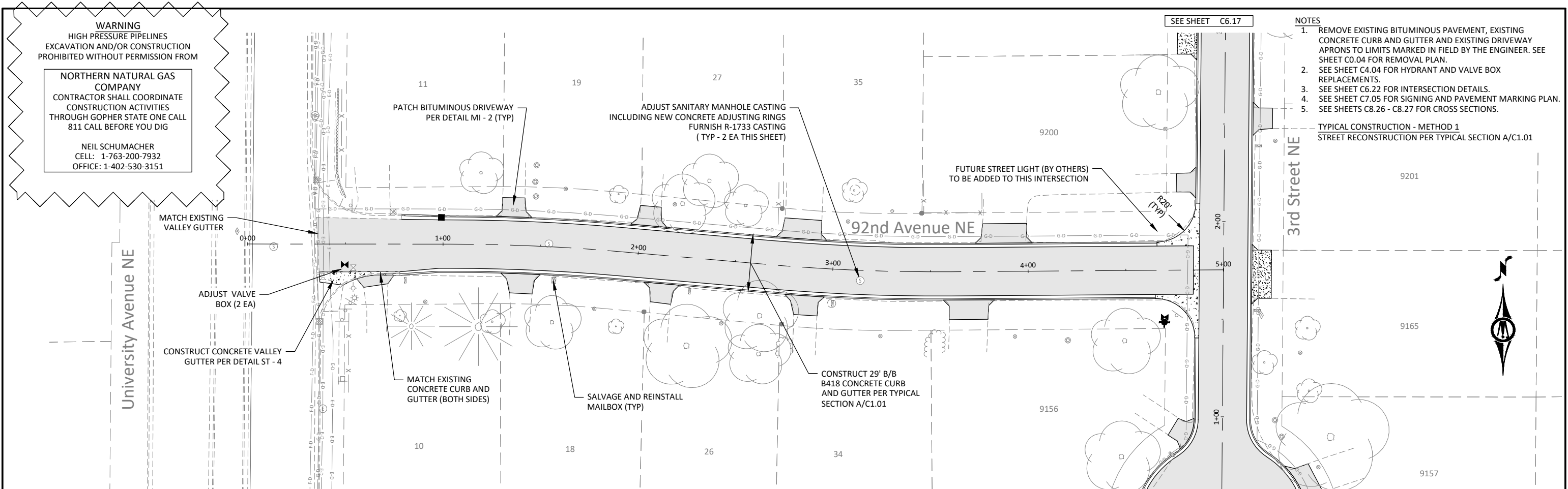
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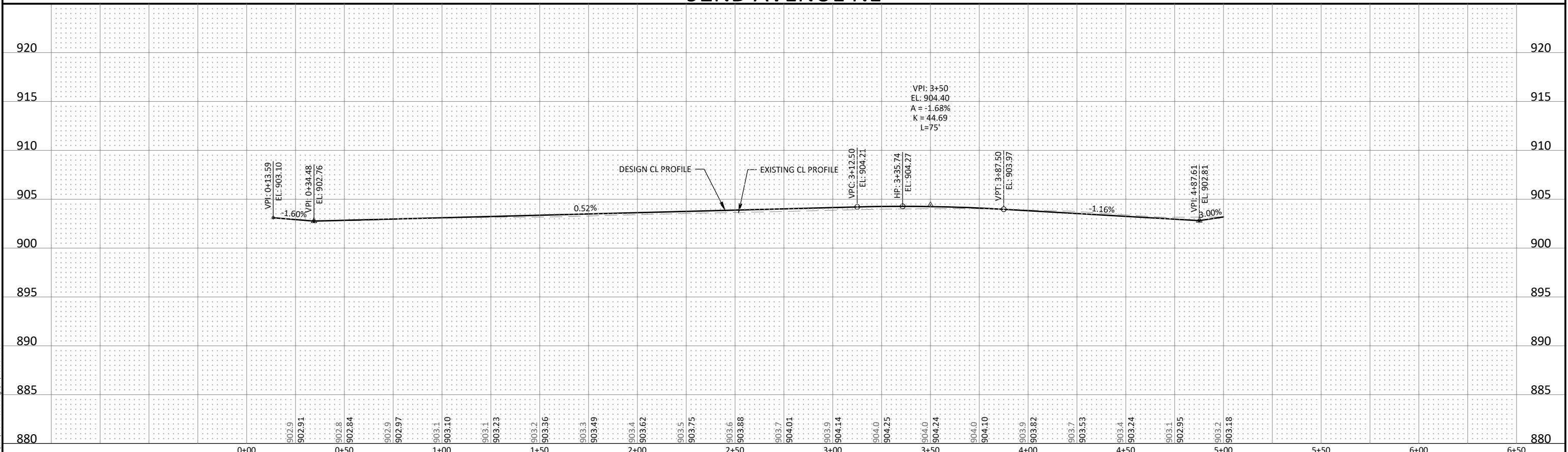


3RD STREET NE

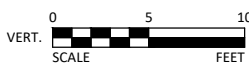
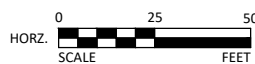




92ND AVENUE NE



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BLAINE, MINNESOTA

2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT

STREET IMPROVEMENTS (AREA 3)

92ND AVENUE NE

SHEET

C6.18



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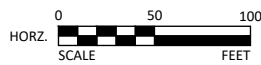
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BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
TRAFFIC CONTROL PLAN
AREA 2

SHEET
C7.02



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BLAINE, MINNESOTA
2023 SOUTHWEST AREA STREET RECONSTRUCTION PROJECT
TRAFFIC CONTROL PLAN
AREA 3

SHEET
C7.03