



Stantec Consulting Services Inc.
733 Marquette Avenue Suite 1000, Minneapolis MN 55402-2309

December 1, 2021

File: 193805383

Dan Buchholtz, Administrator
City of Spring Lake Park
1301 81st Avenue NE
Spring Lake Park, MN 55432-2188

Reference: 2022 Street Improvements Project (Hayes-80th-Garfield)
Approve Plans and Specs – Authorize Bidding

Dear Dan:

Plans and Specifications have been prepared for the 2022 Street Improvements Project (Garfield Street/Hayes Street/80th Avenue). Plans have also been prepared for sidewalk improvements on Able Street (by Triangle Park) and on 81st Avenue NE (by City Hall). A copy of the plans is attached.

At this time, we request approval of the plans and specifications and authorization to obtain bids. Bids will be received for the street project with alternate bids for the two sidewalk projects. The Council can review the bid information in March and determine which improvements (if any) to award. The current Estimate of Probable Construction Costs is the same as presented in the Feasibility Report.

The current proposed timeline for the 2022 Street Improvement Project is:

Council Orders Feasibility Report	July 19, 2021
Council Receives Report and Calls for Public Improvement Hearing	September 7, 2021
Neighborhood Meeting	September 2021
Public Improvement Hearing	October 4, 2021
Council Orders Plans and Specifications – Order Improvements	October 18, 2021
<i>Council Approves Construction Plans and Orders Bids</i>	<i>December 6, 2021</i>
City Receives Bids	January 31, 2022
Council Declares Costs and Orders Final Assessment Roll	February 7, 2022
Council Orders Assessment Hearing	February 22, 2022
Council Holds Final Assessment Hearing	March 21, 2022
Council Awards Project	March 21, 2022
Begin Construction	May 2022

If you have any questions or require any additional information, please feel free to contact me.

Regards,
STANTEC

Phil Gravel

cc: Mr. Terry Randall, Public Works Director
Attachment: Plan Set



733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
stantec.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 ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: _____

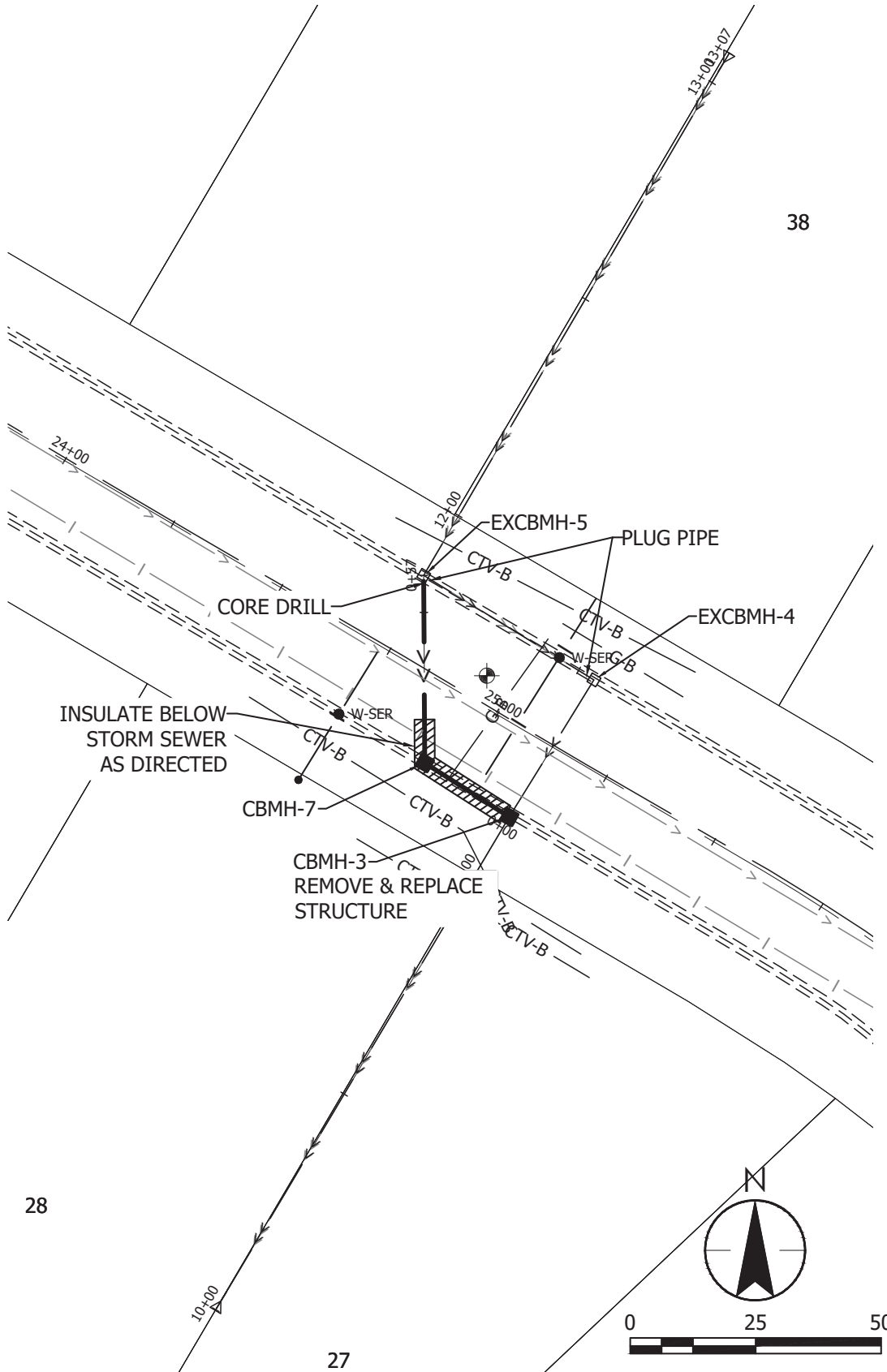
SIGNATURE: _____

DATE: _____

LONG LAKE PARK, MN

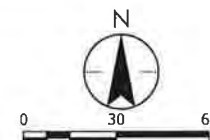
STREET IMPROVEMENTS

DRM SEWER IMPROVEMENTS



925

Hol Date: 11/29/2021 - 1:47pm
Drawing name: V_1938.ctb; C:\DWG\PLAN SHEETS\SIDEWALKS\193805863_C608.dwg
Xref: SIDEWALKS_BURLEIGH_SIDEWALKS_X3D1 SIDEWALKS_X3D2 SIDEWALKS_X3D3 SIDEWALKS_X3D4
SIDEWALKS_X3D5 SIDEWALKS_X3D6 SIDEWALKS_X3D7 SIDEWALKS_X3D8 SIDEWALKS_X3D9



HEREBY CERTIFY THAT THIS PLAN SPECIFICATION, OR REPORT
WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
AND THAT I AM A DULY LICENSED ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: _____ IJC NO. _____

SIGNATURE: _____ DATE: _____

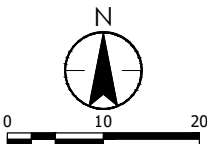
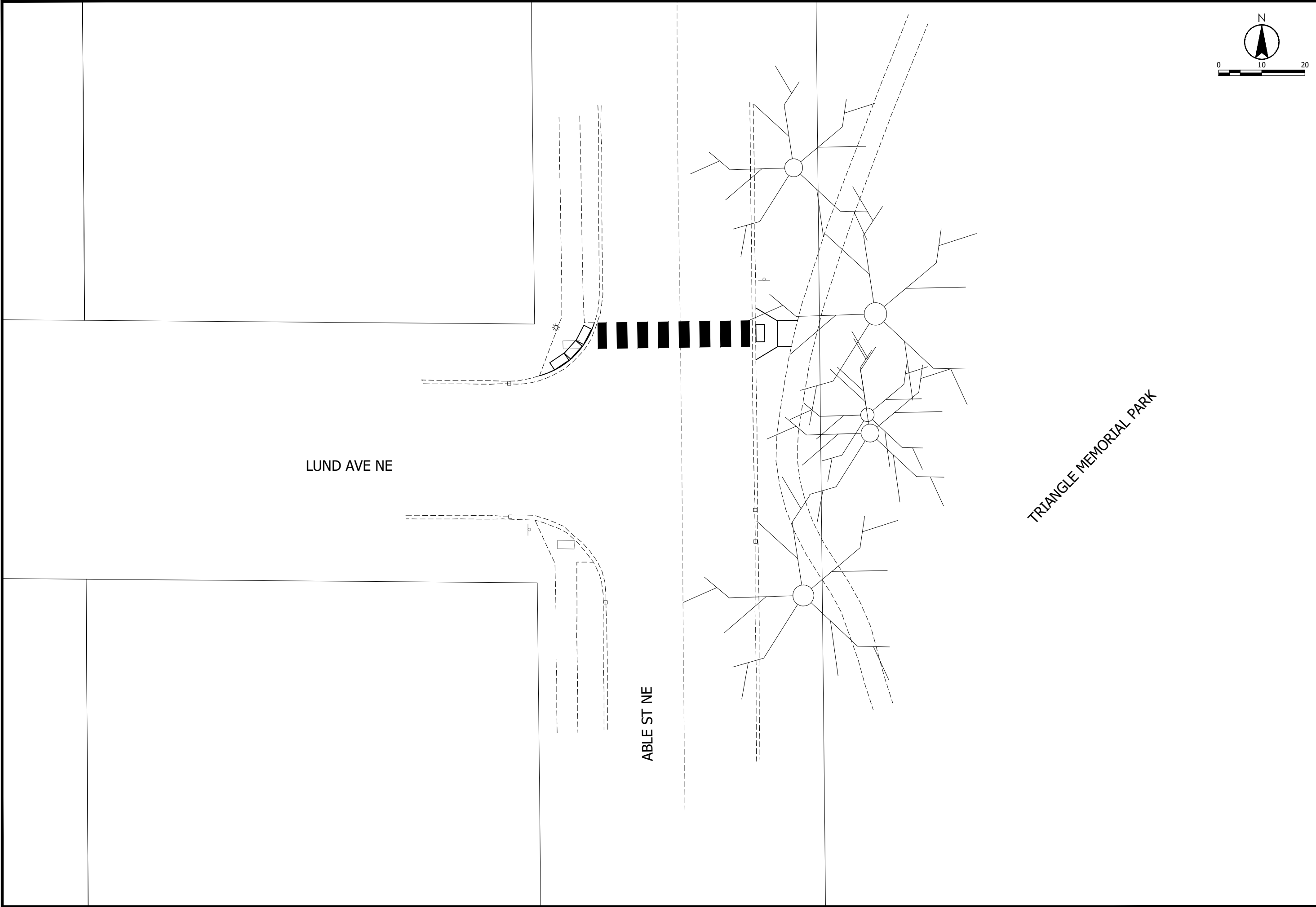
SPRING LAKE PARK, MN
2022 STREET IMPROVEMENTS

	NO REVISION	DATE
SURVEY	PBW	
DRAWN	GDS	
DESIGNED	PG	
CHECKED	PA	
APPROVED	#38	
PROJ NO	193805383	

SHEET NUMBER
C6.02

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. THE COPYRIGHTS TO ALL DESIGNS AND DRAWINGS ARE THE PROPERTY OF STANTEC. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 12/01/2021 - 7:25am
Drawing name: V:\1938\active\193805383\CAD\Draw\PLAN SHEETS\SIDEWALKS\193805383_C602.dwg
Kreils:, SIDEWALKS_BORDER, SIDEWALKS_XSNO, SIDEWALKS_XSXT, SIDEWALKS_XSVV



HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT
WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
AND THAT I AM A DULY LICENSED ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: _____

SIGNATURE: _____

DATE: _____ IJC NO. _____

SPRING LAKE PARK, MN 2022 STREET IMPROVEMENTS

NO	REVISION	DATE
SURVEY	PBW	
DRAWN	GDS	
DESIGNED	PG	
CHECKED	PA	
APPROVED	#####	
PROJ. NO.	193805383	

SHEET NUMBER
C6.02



733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

5. KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES, HYDROMULCHES AND BLANKETS.

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 ENGINEER
 UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: PHIL GRAVEL

SIGNATURE: _____

DATE: _____ LIC. NO. 19864

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE (CONTINUED)

WATER RESOURCES NOTES

THESE NOTES ALONG WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE ARE INTENDED TO GIVE INFORMATION ON CRITICAL DRAINAGE FEATURES, NATURAL RESOURCES AND CONTRACTOR OPERATIONS THAT MAY IMPACT DRAINAGE AND NATURAL RESOURCES.

6. THE FOLLOWING WATER RELATED PERMITS APPLY TO THIS PROJECT:

AGENCY	TYPE OF PERMIT
MINNESOTA POLLUTION CONTROL AGENCY (MPCA)	NPDES CONSTRUCTION PERMIT
RICE CREEK WATERSHED DISTRICT	EROSION CONTROL, DRAINAGE SYSTEMS

TEMPORARY DEWATERING ACTIVITIES MAY BE REQUIRED FOR ROADWAY CONSTRUCTION AND UTILITY WORK. THEREFORE IT IS POSSIBLE THAT A PERMIT FOR THE TEMPORARY APPROPRIATION OF WATERS OF THE STATE, NON-IRRIGATION FROM MNDNR WILL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THIS PERMIT PRIOR TO COMMENCING DEWATERING ACTIVITIES. ALL TEMPORARY DEWATERING SHALL BE DISCHARGED TO AN APPROVED LOCATION FOR TREATMENT PRIOR TO DISCHARGE TO THE RECEIVING WATER. SUBMIT A SITE MANAGEMENT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.

16. SMALL IRREGULARITIES AT THE FINISHED GRADE SHOULD BE CORRECTED WITH HAND TOOLS ONLY.



733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

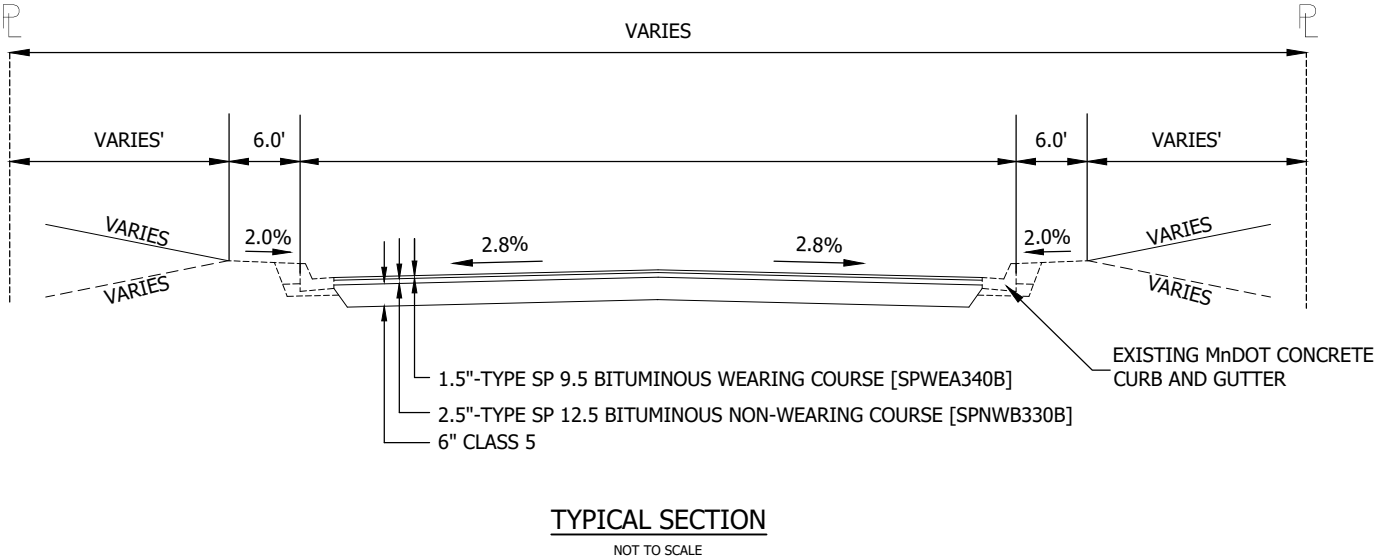
SPRING LAKE PARK, MN 2022 STREET IMPROVEMENTS

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

NO	REVISION	DATE
SURVEY		PBW
DRAWN		GD5
DESIGNED		PG
CHECKED		
APPROVED		
PROJ. NO.	193805383	
SHEET NUMBER		
C0.02		

Plot Date: 11/10/2021 - 11:19am
Drawing name: V:\1938\active\193805383\CAD\Dwg\PLAN SHEETS\193805383_C101.dwg
Refs.: 193805383_BORDER

Structure	Location	Notes
EXMH-SS1	HAYES	Salvage Casting. Reset with new rings.
EXCB-2A	HAYES	New 3067V Casting. Reset with new rings (offset back 8-inches).
EXCBMH-2	HAYES	New 3067V Casting. Reset with new rings.
EXCBMH-3	GARFIELD	Remove
New CBMH-3	GARFIELD	New structure, rings and casting.
EXCBMH-4	GARFIELD	New 3067V Casting. Reset with new rings. Plug pipe west.
EXCBMH-5	GARFIELD	New 3067V Casting. Reset with new rings (lower flow line). Core drill opening to SE. Plug pipe east.
New CBMH-7	GARFIELD	New structure, rings and casting.
EXCBMH-6	GARFIELD	New 3067V Casting. Reset with new rings (offset back 10-inches).
EXCBMH-6A	GARFIELD	New 3067V Casting. Reset with new rings.



TYPICAL SECTION

NOT TO SCALE

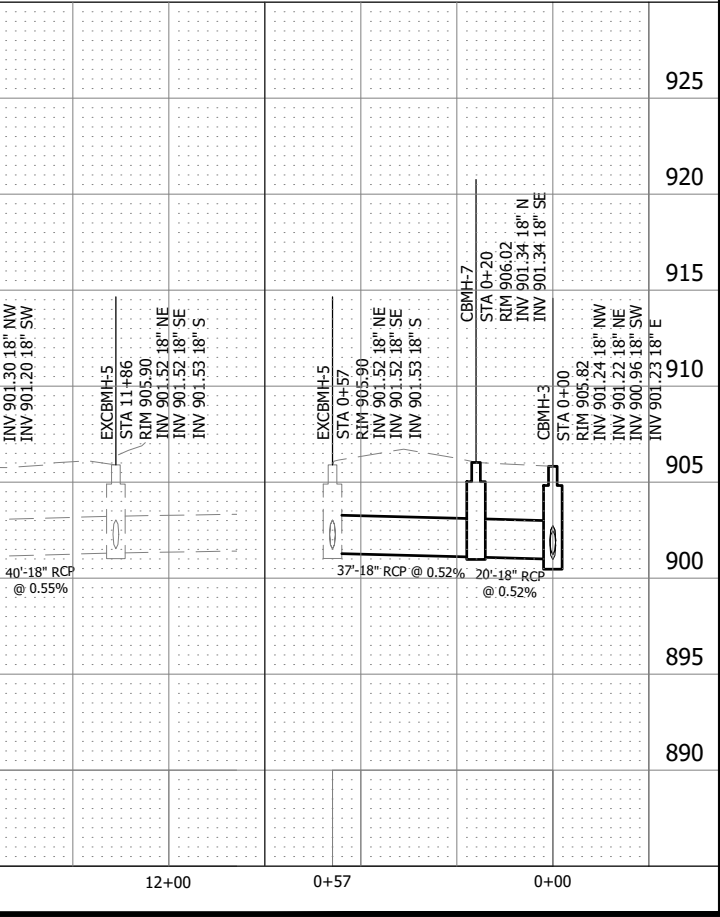
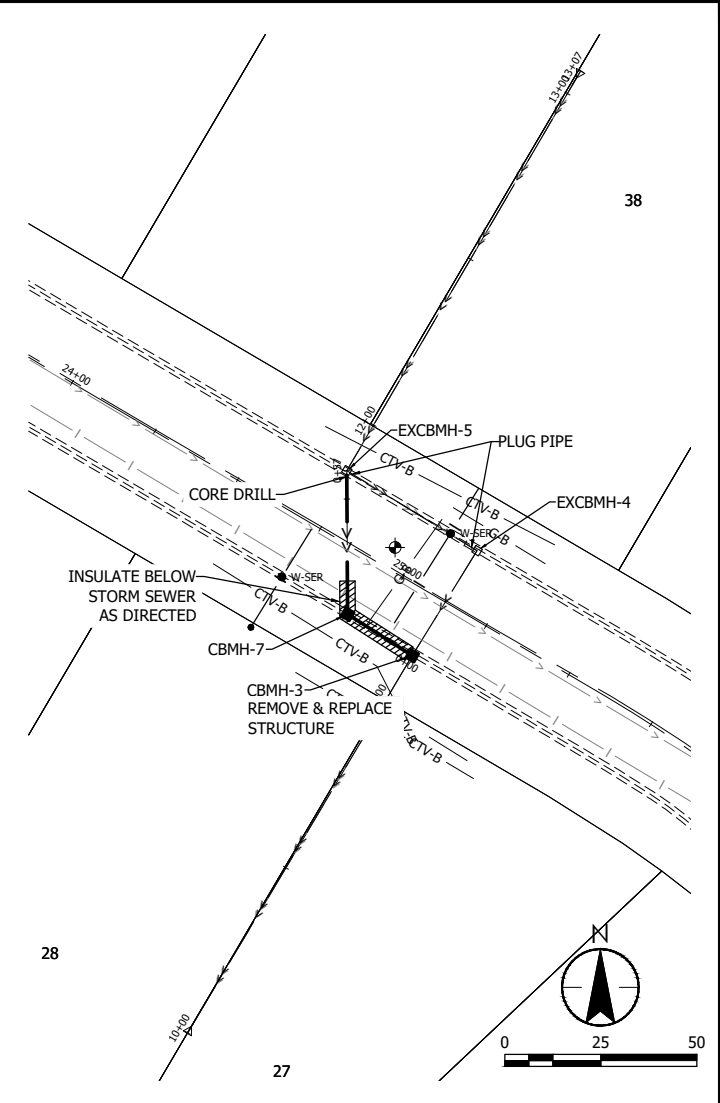
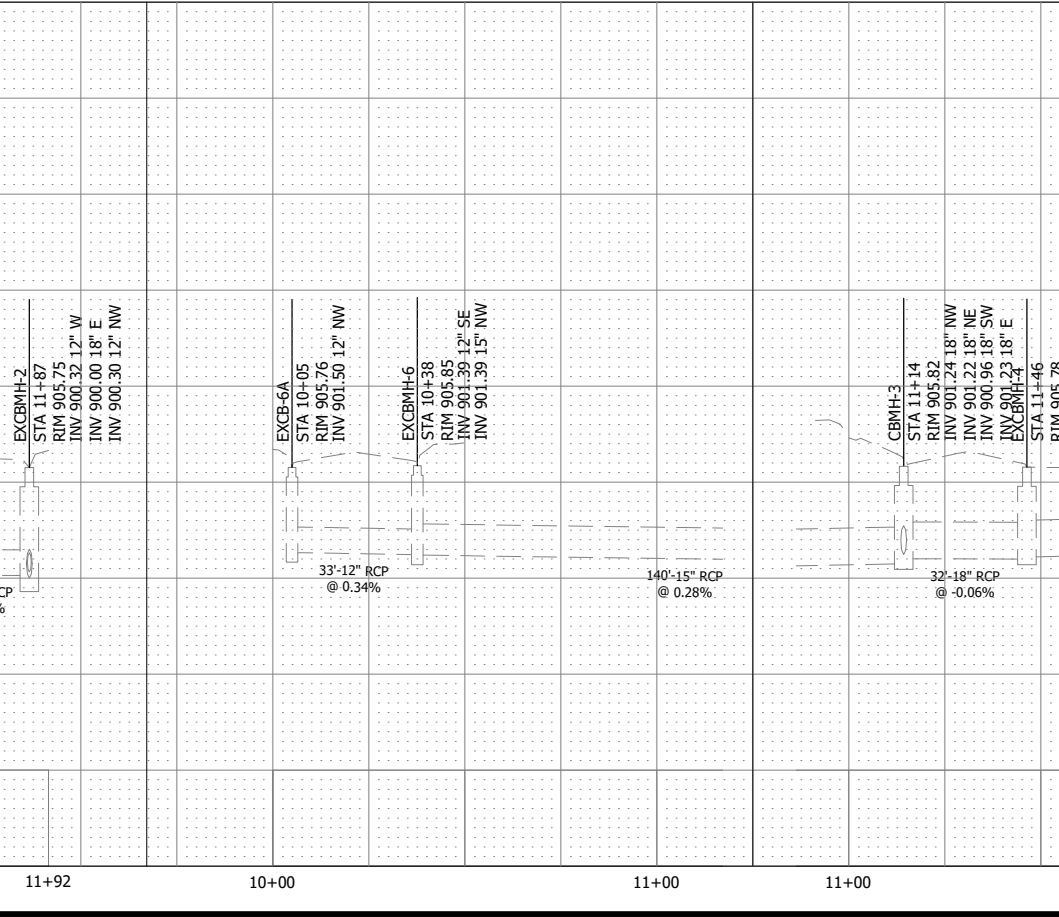
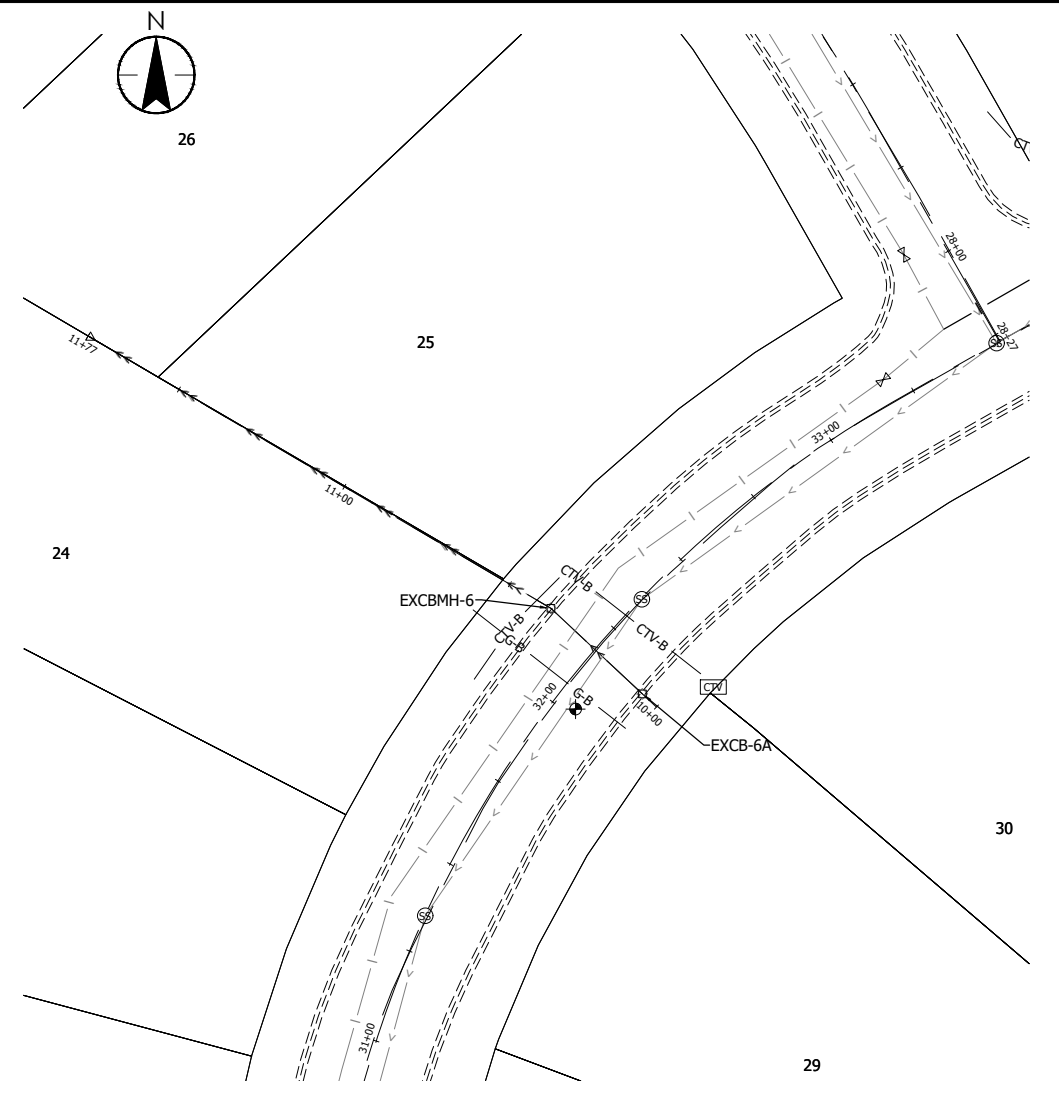
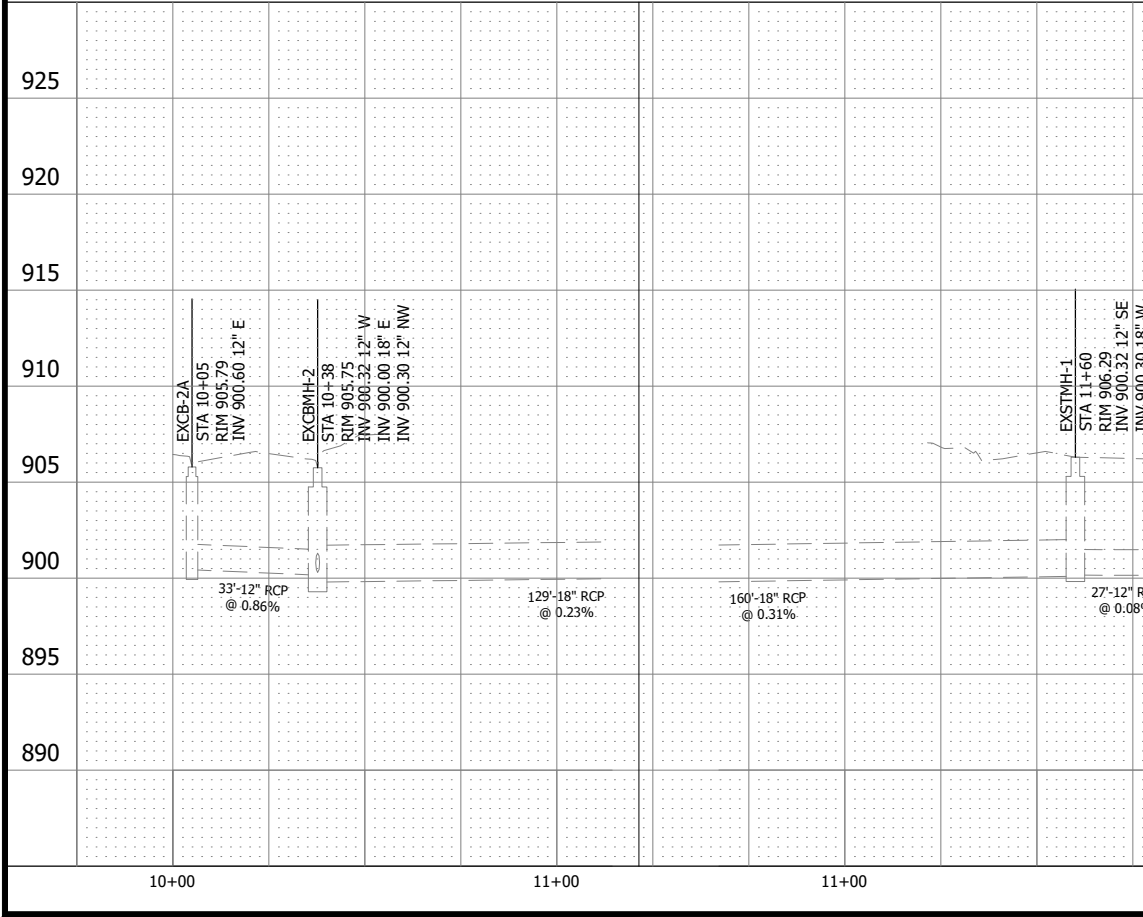
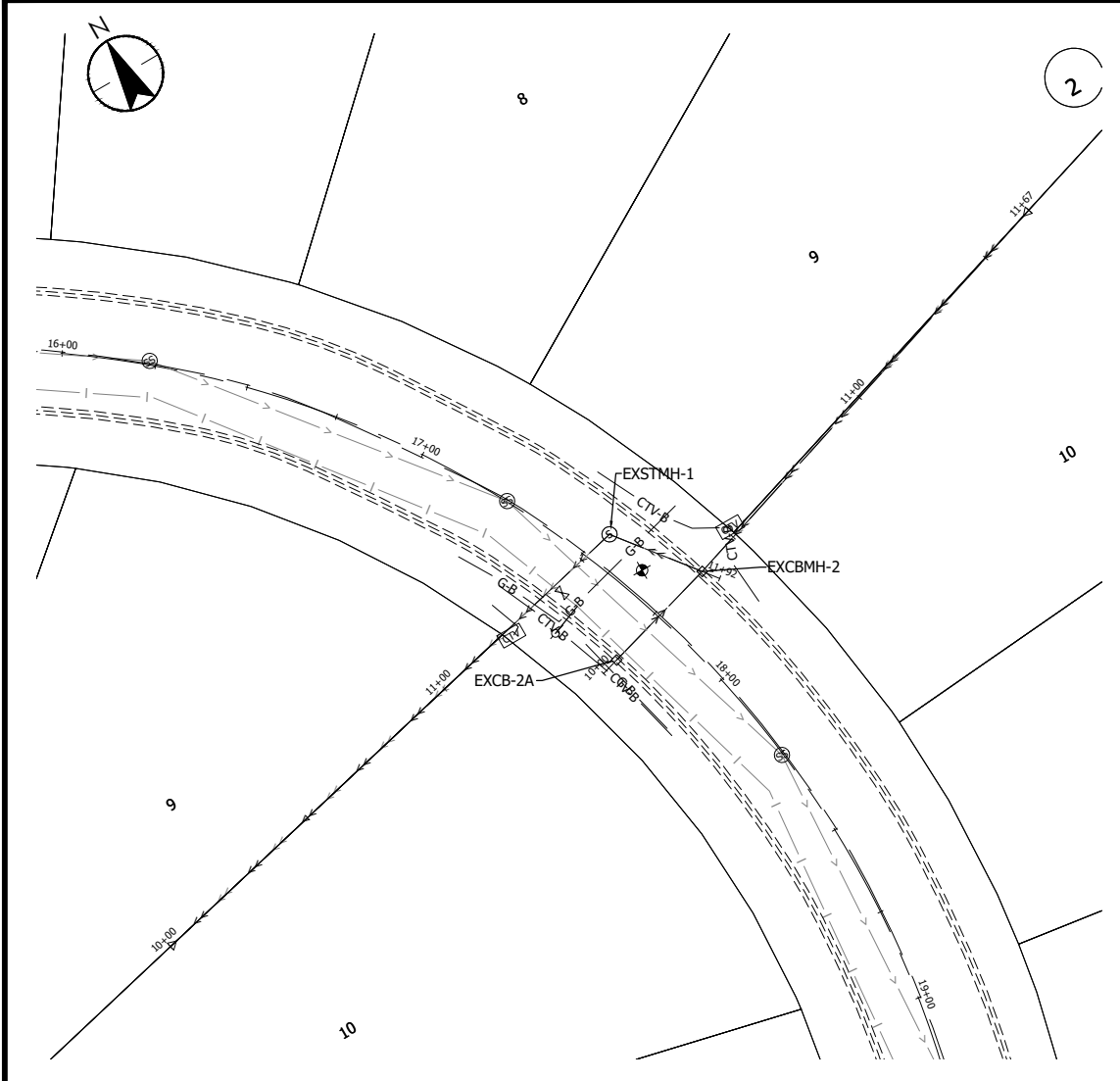
CONSTRUCTION NOTES:

1. MAINTAIN A MINIMUM OF ONE 10' LANE OF TRAFFIC AT ALL TIMES DURING CONSTRUCTION.
2. CONCRETE CURB AND GUTTER DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. SPOT CURB AND GUTTER REPLACEMENTS AS DIRECTED BY THE ENGINEER IN THE FIELD.
4. DRIVEWAY APRON REPLACEMENT AS DIRECTED BY THE ENGINEER IN THE FIELD.
5. ADJUST MANHOLE AND CATCH BASIN CASTINGS. NEW CONCRETE ADJUSTMENT RINGS SHALL BE INCLUDED IN THE BID ITEM.
6. ADJUST EXISTING GATE VALVES.
7. SEEDING AND RESTORATION FOR ALL DISTURBED SOIL AREAS.
 - HYDROMULCH WITH SEED MIX 25-131.
 - INCLUDES 5" COMMON TOPSOIL BORROW.

NO	REVISION	DATE
SURVEY		PBW
DRAWN		GDS
DESIGNED		PG
CHECKED		
APPROVED		
PROJ. NO.		193805383

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 11/10/2021 - 11:20am
Drawing name: \\V:\98\active\193805383\CAD\DWG\PLAN SHEETS\193805383_C501.dwg
User: 193805383, PLOTTER: 193805383, PLOT: 193805383, PLOT: 193805383, PLOT: 193805383



Stantec

733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: _____
SIGNATURE: _____
DATE: _____

SPRING LAKE PARK, MN
2022 STREET IMPROVEMENTS
STORM SEWER IMPROVEMENTS

NO

REVISION

DATE

SURVEY

PBW

DRAWN

GDS

DESIGNED

PG

CHECKED

PA

APPROVED

###

PROJ. NO.

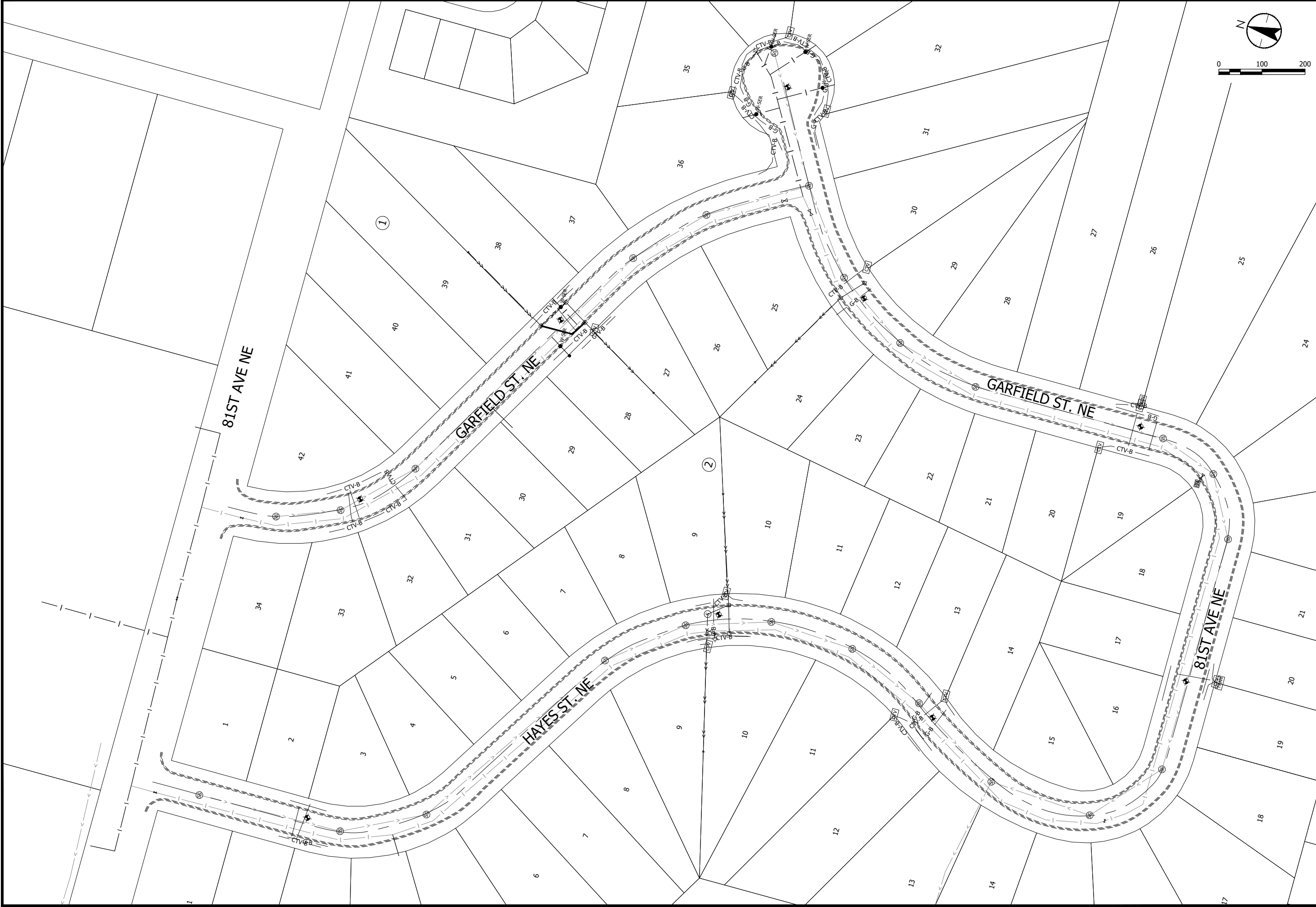
193805383

SHEET NUMBER

C5.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE
DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY.
THIS DRAWING IS THE PROPERTY OF STANTEC. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 11/10/2021 - 11:20am
Drawing name: \\A\193805383_CAD\DWG\PLAN SHEETS\193805383_C601.dwg
User: 193805383_BORDER 193805383.XXX 193805383.XXX



Stantec

733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT
WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
AND THAT I AM A DULY LICENSED ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: _____
SIGNATURE: _____
DATE: _____

SPRING LAKE PARK, MN
2022 STREET IMPROVEMENTS
STORM SEWER IMPROVEMENTS

NO	REVISION	DATE

SURVEY	PBW
DRAWN	GDS
DESIGNED	PG
CHECKED	PA
APPROVED	###
PROJ. NO.	193805383

SHEET NUMBER
C6.01

Plot Date: 11/10/2021 - 11:20am
Drawing name: V:\1938\active\
xrefs: 193805383_BORDER



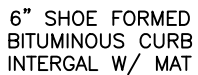
SPRING LAKE PARK, MINNESOTA

City Plate No.
STO-3



SPRING LAKE PARK, MINNESOTA

City Plate No.
STO-5



SPRING LAKE PARK, MINNESOTA

STR-1



SPRING LAKE PARK, MINNESOTA

City Plate No.
STR-04

Resilient Wedge Valve
Conforming to AWWA
C-509-80 standards

SPRING LAKE PARK, MINNESOTA

City Plate No.
WAT-3

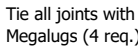
1. Shape of back of buttress may vary as long as poured against firm undisturbed earth.
2. Dimension C1,C2,C3 should be large enough to make angle O equal to or larger than 45°.
3. Dimension A1,A2,A3 should be as large as possible without interfering with MJ bolts.
4. $O = 45^\circ$ Minimum.
5. Place polyethylene between concrete & pipe.

BUTTRESS DIMENSIONS						
PIPE SIZE	22 1/2" BEND		45° BEND		90° BEND	
	B ₁	D ₁	B ₂	D ₂	B ₃	D ₃
6"	1'-5"	1'-5"	1'-5"	1'-5"	2'-1"	1'-6"
8"	1'-5"	1'-5"	2'-1"	2'-1"	2'-8"	2'-0"
12"	1'-10"	1'-10"	3'-4"	2'-0"	4'-9"	2'-6"
16"	3'-0"	2'-0"	3'-10"	3'-0"	6'-2"	3'-6"
20"	3'-6"	2'-8"	5'-6"	3'-4"	8'-4"	4'-0"
24"	4'-4"	3'-0"	6'-10"	3'-10"	9'-8"	5'-0"
30"	—	—	9'-3"	6'-0"	17'-0"	6'-0"



SPRING LAKE PARK, MINNESOTA

City Plate No.
WAT-6



SPRING LAKE PARK, MINNESOTA

City Plate No.
WAT-8

PRINT NAME: _____

SIGNATURE: _____

SPRING LAKE PARK, MN 2022 STREET IMPROVEMENTS

DETAILS

NO	REVISION	DATE
SURVEY	PBW	
DRAWN	GDS	
DESIGNED	PG	
CHECKED	PA	
APPROVED	###	
PROJ. NO.	193805383	

SHEET NUMBER

C8.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

STEEL FENCE POST (T-POST),
MINIMUM 5' LONG, 6'
MAXIMUM SPACING.

POST NOTCHES
TO FACE AWAY
FROM FABRIC.

DIRECTION OF SURFACE FLOW

ATTACH FABRIC TO POSTS
WITH MINIMUM 3 ZIP TIES
(50 LB. TENSILE) PER POST
IN TOP 8" OF FABRIC.

MONOFILAMENT GEOTEXTILE
FABRIC PER MNDOT TABLE
3886-1 (MACHINE SLICED).

MACHINE SLICE
8"-12" DEPTH (PLUS 6" FLAP)

24" MINIMUM
POST EMBEDMENT

NOTE:
THE MACHINE SLICED METHOD (THIS DETAIL) IS THE STANDARD SILT
FENCE INSTALLATION METHOD. HEAVY-DUTY (ERO-1B) OR STANDARD
(ERO-1C) SILT FENCE INSTALLATION METHODS SHOULD ONLY BE USED
WHEN APPROVED OR DIRECTED BY THE CITY.

Ⓐ **COMPACTION:**
AFTER "SLICING" IN THE FABRIC AND *BEFORE* INSTALLATION
OF STEEL POSTS, DRIVE INSTALLATION EQUIPMENT OVER THE
"SLICE" WHILE FABRIC IS LAYING ON THE GROUND. *THEN*
INSTALL STEEL POSTS AND PULL UP FABRIC TO ATTACH AT
A UNIFORM HEIGHT.

STANDARD DETAILS

SILT FENCE
MACHINE SLICED

Last Revision:
Sept. 2016

PLATE NO.
ERO-1A

WOODEN LATH SHALL BE NAILED
SECURELY TO THE POST MEMBER
TO SECURE FILTER FABRIC.

2" X 4" X 2.5' LONG
WOOD POSTS, 8 REQ'D.

2" X 4" HORIZONTAL MEMBERS
CONTINUOUS AROUND TOP AND
BOTTOM. FASTENED TO EACH POST
USING 2-20D COMMON NAILS

MONOFILAMENT GEOTEXTILE FABRIC
AS PER MNDOT TABLE 3886-1
(MACHINE SLICED). ADDITIONAL
8-10" OF FABRIC FLAP AT BOTTOM
OF BOX

2'-6"

8-10" FABRIC FLAP EXTENDING
BEYOND BOTTOM 2"x4" - BURY
UNDER ROCK TO PREVENT
UNDERWASHING

1 1/2" WASHED ROCK
1' DEEP X 1' WIDE

NOTES:
CONTRACTOR SHALL CONSTRUCT SILT BOX TO FIT AROUND THE
INLET STRUCTURE WITH 6" MINIMUM CLEARANCE TO EDGES OF
STRUCTURE. SILT BOX
TO BE PLACED ON AN EVEN SURFACE 6" BELOW STRUCTURE
OPENING. TOP OF SILT BOX TO
EXTEND 18" MINIMUM ABOVE EXISTING GRADE.

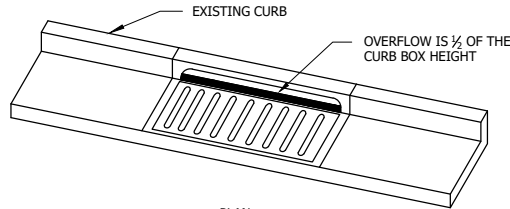
STANDARD DETAILS
INLET PROTECTION
SILT BOX FOR CATCH BASIN
BEFORE ROAD CONSTRUCTION

SPRING LAKE PARK, MINNESOTA

Last Revision:
Jan. 2005

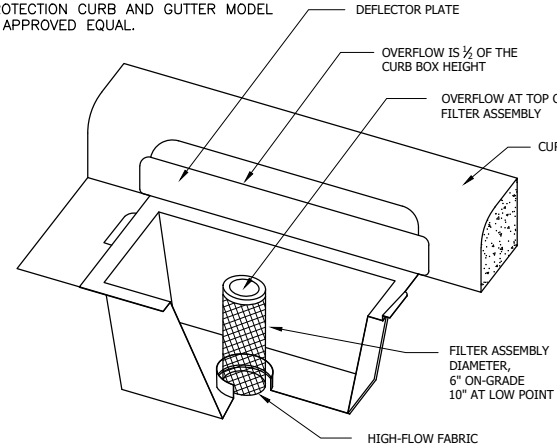
BRA Plate No.

City Plate No.
ERO-4A



PLAN

WIMCO ROAD DRAIN CG-23* HIGH FLOW
INLET PROTECTION CURB AND GUTTER MODEL
OR CITY APPROVED EQUAL.



* FOR THE NEW R-3290-VB STANDARD
CASTING, INSTALL WIMCO ROAD DRAIN
CG-3290 OR CITY APPROVED EQUAL.

STANDARD DETAILS

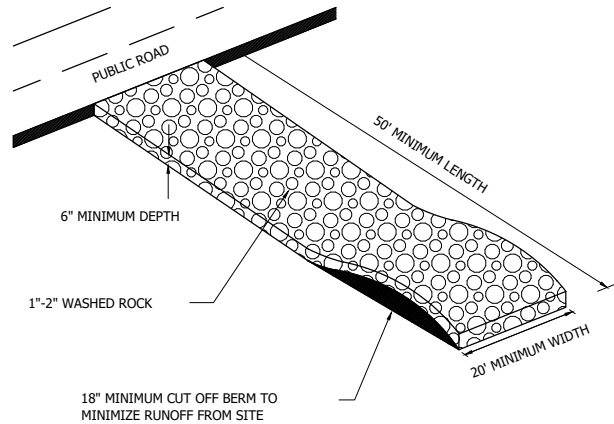
INLET PROTECTION CATCH BASIN
INSERT AFTER CURB & GUTTER

SPRING LAKE PARK, MINNESOTA

Last Revision:
Jan. 2005

BRA Plate No.

City Plate No.
ERO-4C



NOTES:
1. FILTER FABRIC SHALL BE PLACED UNDER ROCK TO STOP MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC
ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE
FREQUENTLY AS NECESSARY.

STANDARD DETAILS

ROCK CONSTRUCTION ENTRANCE

SPRING LAKE PARK, MINNESOTA

Last Revision:
May 2005

Drawing No.
118_ERO-07

City Plate No.
ERO-7

18_ERO-07.DWG

Plot Date: 11/10/2021 - 11:20am
Drawing name: \\V:\193805383\CAD\Drawg\PLAN SHEETS\193805383_C01.dwg
User: 193805383_BONDER