Permit Application Review

Permit No. 2024-061
Received complete: June 5, 2024

Applicant:	Joel Gillespie; DuPont
Consultant:	Clark Lohr; Stantec
Project:	Parking Lot Improvements
Location:	5400 Dewey Hill Road, Edina, MN
Applicable Rule(s):	2, 4, 5, 11 and 12
Reviewer(s):	Azeemuddin Ahmed and Louise Heffernan; Barr Engineering Co.

General Background & Comment

The applicant proposes parking lot and site improvements at Filmtec Corporation located at 5400 Dewey Hill Road in Edina. The 15.5-acre site includes two parcels under common or related ownership, and is currently comprised of commercial buildings, surface parking lots, access drives, landscaping, and site amenities. Proposed work includes parking lot improvements south of the 5400 Dewey Hill Road building, retaining wall replacement, concrete curb and gutter improvements, concrete flatwork replacement, utility improvements, and landscaping.

The project site information under the current application includes the following:

- Total Site Area: 676,314 square feet (15.5 acres)
- Disturbed Area: 75,980 square feet (1.7 acres)
- Regulated Impervious Area: 439 square feet (0.01 acres)

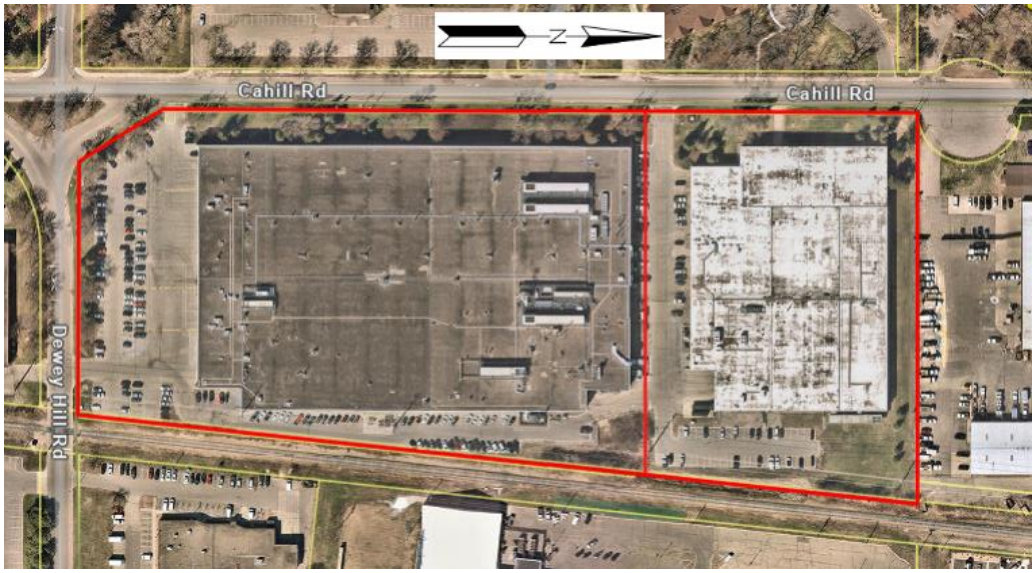
One permit has previously been issued by the NMCWD for work at the site. Relevant project site information is provided in the table below.

Site Information	Permit 2018-120	Permit 2024-061 (Current)	Site Aggregate Total (Includes 2 Projects)
Total Site Area[1] (ac)	15.53	15.53	15.53
Existing Site Impervious Area[2] (ac)	12.56	12.71	12.56
New or additional Site Impervious Area (ac)	0.15	0.01	0.16
Percent Increase in Site Impervious Area (%)	1.2%	0%	**1.3%**
Disturbed/Reconstructed Impervious Area (ac)	0.00	0.00	0.00
Percent Disturbance of Existing Impervious Area (%)	0.0%	0.0%	**0.0%**

[1]Filmtec Corporation owns two parcels under common or related ownership.
[2]Permit #2018-120 existing site impervious area includes pre-2018 project existing conditions. Rule 4.2.5 Common Scheme of Development took effect in March 2008.

The site, which includes two parcels under common or related ownership, is shown in Figure 1 below.

Figure 1. The Site (red parcels)



Exhibits Reviewed:

1. Permit Application received April 24, 2024. Email correspondence dated May 14, 2024, identifying six review comments required to be addressed to complete the permit application. Email correspondence dated June 3, 2024, identifying two review comments required to be addressed to complete the permit application.
2. Plans dated April 19, 2024 (received April 24, 2024) and revised May 22, 2024, prepared by Stantec.
3. Floodplain Impact Exhibit dated June 3, 2024 (received June 3, 2024), prepared by Stantec.
4. Compensatory Flood Storage documentation dated June 5, 2024 (received June 5, 2024), prepared by Stantec.
5. Email Narrative dated April 24, 2024 (received April 24, 2024), prepared by Stantec.
6. Geotechnical Report dated November 28, 2023 (received April 24, 2024), prepared by Braun Intertec Corporation.
7. Manhole Inspection Report dated March 15, 2024 (received April 24, 2024), prepared by Stantec.
8. Signed Property Owner Authorization dated May 24, 2024 (received May 24, 2024).

9. NMCWD review comment responses dated May 24, 2024 (received May 28, 2024), prepared by Stantec.

The application with the submittal items above is complete.

2.0 Floodplain Management and Drainage Alterations

Because the project will involve land-altering activities below the 100-year frequency flood elevation of a waterbody, the project must conform to the requirements of the District's Floodplain Management and Drainage Alterations Rule 2.0.

Rule 2 criteria for floodplain and drainage alterations includes the following:

2.3.1: The low floor elevation of all new and reconstructed buildings, bridges and boardwalks must be constructed in accordance with the freeboard standards in NMCWD Stormwater Rule, subsection 4.3.4.

There are no new or reconstructed buildings proposed by this project; therefore, the low floor criteria of Rule 4.3.4 does not impose requirements.

2.3.2: Placement of fill below the 100-year flood elevation is prohibited unless fully compensatory flood storage is provided within the floodplain:

- *a. at the same elevation +/- 1 foot for fill in the floodplain of a watercourse; or*
- *b. at or below the same elevation for fill in the floodplain of a water basin or constructed stormwater facility.*

The project will result in grading below the 100-year frequency flood elevation (834.4 M.S.L.) of the waterbody located southwest of the site and on Lewis Park property. The fill material placed below the 100-year frequency flood elevation will be offset by material removed from the site, creating 10.1 cubic yards of additional flood storage below the 100-year frequency flood elevation. The submittal demonstrates and the engineer finds the project is in conformance with subsection 2.3.2 criteria.

2.3.3. The District will issue a permit to alter surface flows only if it finds that the alteration is not reasonably likely to have a significant adverse impact on any upstream or downstream landowner and is not reasonably likely to have a significant adverse effect on flood risk, basin or channel stability, groundwater hydrology, stream base-flow, water quality or aquatic or riparian habitat.

As stated in the subsection 2.3.2 analysis, the project will result in an increase in flood storage volume (10.1 cubic yards) below the 100-year frequency flood elevation of the waterbody. The project will not result in an alteration of surface flows from the site, and the proposed grading will not extend the current 100-year flooding extents of inundation from the property onto neighboring properties (e.g., flood risk is not reasonably likely to be transferred to other properties). The applicant proposes to decrease impervious surface on the site; therefore, discharge rates are maintained, and the project is not reasonably like to adversely affect flood risk or transferring flood risk to upstream or downstream landowners, in compliance with subsection 2.3.3 criteria.

Stream baseflow will not be changed and/or altered because stream baseflow conditions will not be implicated by the project. Because the project does not propose any work within the

bed or bank of the water basin, the project is not reasonably likely to adversely impact the basin stability.

The project is not likely to deter wildlife (such as waterfowl, amphibians, reptiles) from using the area adjacent to the water basin, if currently used, because the project does not propose to remove or deteriorate habitat conditions. Because wildlife native to the area will be able to continue using the existing habitat, the NMCWD engineer concurs that the proposed project complies with subsection 2.3.3 criteria. Groundwater hydrology will not be changed and/or altered as a result of the project.

Erosion prevention and sediment control measures are to be installed to prevent material from the disturbed surfaces and to capture sediment onsite to maintain the water quality of the water basin. With the temporary erosion control measures and a decrease in impervious surfaces, the project is not reasonably likely to have a significant adverse impact on water quality in accordance with Rule 2.3.3 criteria.

The applicant demonstrates and the NMCWD engineer finds that the project is not reasonably likely to have significant adverse impacts in conformance with Rule 2.3.3 criteria.

2.3.4 No structure may be placed, constructed, or reconstructed and no new impervious surface may be constructed within 50 feet of the centerline of any water course, except that this provision does not apply to:

a. Bridges, culverts, and other structures and associated impervious surface regulated under Rule 6.0;

b. Trails 10 feet wide or less, designed primarily for nonmotorized use.

No structure is proposed to be placed, constructed, or reconstructed as part of the project and no new impervious surface will be constructed within 50 feet of the centerline of a water course. The engineer finds that the project is in conformance with Rule 2.3.4 criteria.

4.0 Stormwater Management

NMCWD's requirements for stormwater management apply to the project because more than 50 cubic yards of material will be disturbed and 5,000 square feet or more of surface area is altered, Rules 4.2.1a and b.

The NMCWD's Rule for Redevelopment, Rule 4.2.3, states, if the proposed activity will increase the total impervious surface on the site by 50 percent or more or will disturb 50 percent or more of the existing impervious surface on the site, the stormwater criteria will apply to the entire site. Otherwise, the criteria of section 4.3 will apply only to the disturbed areas, and replaced and net additional impervious surface on the project site. Because one previous project has been permitted since Rule 4.2.5 became effective in 2008, the proposed work under the current application (Permit #2024-061) is considered in aggregate with activities subject to Rule 4.2.5 Common Scheme of Development.

The project activities under the current application, considered in aggregate with the previous projects permitted at the site, result in a 0% combined disturbance of the existing impervious surface, less than 50% of the existing impervious area at the site, and will not increase the imperviousness at the site by more than 50% (1.3% combined increase, or 6,847 square feet). Therefore, the district's stormwater management criteria will apply to the disturbed areas, and

replaced and net additional impervious surface on the project site, including the 439 square feet (0.01 acres) of regulated impervious surface. The regulated impervious area consists of a grassed parking lot island converted to bituminous parking surface and reconstructing a retaining wall which will expose underlying soils. The bituminous parking lot rehabilitation is exempt under Rule 4.2.2b; underlying subgrade soils will not be disturbed according to the plans.

Stormwater management for compliance with subsection 4.3.1 criteria will be provided by an existing permeable paver system constructed under Permit #2018-120 to provide rate control, volume retention and water quality management for the newly regulated area. The existing stormwater management facility is located in the eastern parking lot at 7215 Cahill Road.

Rule 4.3.1b requires the 2-, 10-, and 100-year post development peak runoff rates be equal to or less than the existing discharge rates for the collection points where stormwater leaves the site. The proposed work results in a net decrease in impervious area on the site and therefore existing discharge rates are not exceeded in proposed conditions. Rule 4.3.1b is met.

A retention volume of 40 cubic feet is required from the 439 square feet (0.01 acres) of newly regulated impervious surface under the current application. The district's records indicate the existing permeable paver system provides a volume retention of 2,892 cubic feet. The following table provides a tabulation of required and provided volume under the current application and Permit #2018-120, for the purpose of assessing the capacity of the existing permeable paver system.

Volume Retention Summary

	Permit #2018-120	Permit #2024-061 (Current)	Total
Regulated Impervious Area (square feet)	6,534	439	6,973
Required Volume Retention (cubic feet)	599	40	639
Provided Volume Retention (cubic feet)	2,892	0	2,892

The existing site conditions make it infeasible for the applicant to meet Rules 4.3.1a and 4.3.1c through management of runoff from the newly regulated area of this project due to existing drainage patterns that will not be significantly altered as part of the project. Therefore, per Rule 4.3.1, runoff from an undisturbed area of the site at 7215 Cahill Road that is and will remain in the same or a more intensive use and drains to the same receiving water(s) as the area to be disturbed will be retained and treated to meet the standards using the existing permeable paver system.

Rule 4.3.1a (i-ii) requires pretreatment of runoff prior to discharge to an infiltration facility and drawdown of water levels within 48 hours. Compliance with these requirements for the existing permeable paver system was provided with Permit #2018-120.

The district's water quality criteria require a 60% annual removal efficiency for total phosphorus (TP) and 90% annual removal efficiency for total suspended solids (TSS), Rule

4.3.1c. Compliance with these requirements for the existing permeable paver system was provided with Permit #2018-120.

Rule 4.5.4d (i) requires at least three feet of separation between the bottom of an infiltration facility and groundwater. Compliance with this requirement for the existing permeable paver system was provided with Permit #2018-120.

Rule 4.3.4 states that all new and reconstructed buildings must be constructed such that the low floor is at least two feet above the 100-year high-water elevation or one foot above the emergency overflow of a constructed facility. Additionally, Rule 4.3.4 states that all new and reconstructed buildings must be constructed such that no opening where surface flow can enter the structure is less than two feet above the 100-year high-water elevation of an adjacent facility. Rule 4.3.4 also states that a stormwater management facility must be constructed at an elevation that ensures no adjacent habitable building will be brought into noncompliance with a standard in subsection 4.3.4.

Compliance with this requirement for the existing permeable paver system was provided with Permit #2018-120. There are no new or reconstructed buildings and no new stormwater management facilities proposed from the current project. Rule 4.3.4 does not impose requirements on the current project.

In accordance with Rule 4.3.5, a post-project chloride management plan must be provided that will, 1) designate an individual authorized to implement the chloride-use plan and 2) designate a MPCA certified salt applicator engaged in the implementation of the chloride-use plan for the site.

5.0 Erosion and Sediment Control

The district's requirements for erosion and sediment control apply to the project because more than 50 cubic yards of material will be disturbed and 5,000 square feet or more of surface area is altered, Rules 5.2.1a and b.

The erosion control plan prepared by Stantec includes installation of perimeter erosion control (bioroll and silt fence), inlet protection, and a construction entrance.

The contractor for the project will need to designate a contact who will remain liable to the district for performance under the district's Erosion and Sediment Control Rule 5.0 from the time the permitted activities commence until vegetative cover is established, in accordance with subsection 5.4.1e. NMCWD must be notified if the responsible individual changes during the permit term.

11.0 Fees

Fees for the project are:

Rule 2: $1,500

Rule 4: $1,500

Rule 5: $1,500

Total Fees: $4,500

12.0 Financial Assurances

Financial Assurances for the project are:

Rule 5: Perimeter Control: 518 L.F. x $2.50/L.F. = ... $1,295

Inlet Protection: 3 x $100 = ... $300

Site Restoration: 1.74 acres x $2,500/acre = ... $4,350

Chloride Management $5,000

Contingency and Administration $2,555

Findings

1. The proposed project includes the information necessary, plan sheets and erosion control plan for review.
2. The proposed project will conform to Rule 5 with the fulfilment of the condition identified below. The project conforms to Rules 2 and 4.
3. The existing stormwater management facility will provide volume retention, rate control, and water quality management in accordance with subsections 4.3.1a-c criteria.

Recommendation

Approval, contingent upon:

Compliance with the General Provisions (attached).

Financial Assurance in the amount of $13,500; $8,500 for erosion control and site restoration, $5,000 for compliance with the chloride management requirements.

The applicant provides a name and contact information for the individual responsible for the erosion and sediment control at the site. NMCWD must be notified if the responsible individual changes during the permit term.

By accepting the permit, when issued, the applicant agrees to the following stipulations for closeout of the permit and release of the financial assurance after the project:

The work associated with the parking lot improvements and associated site improvements at 5400 Dewey Hill Road under the terms of Permit #2024-061 must have an impervious surface area and configuration materially consistent with the approved plans. A design that differs materially from the approved plans will need to be the subject of a request for a permit modification or new permit, which will be subject to review for compliance with all applicable regulatory requirements.

Submission of a plan for post-project management of Chloride use on the site. The plan must include 1) the designation of an individual authorized to implement the chloride use plan and 2) the designation of a Minnesota Pollution Control Agency certified salt applicator engaged in the implementation of the chloride-use plan for the site. The release of the $5,000 of the financial assurance required for the chloride-management plan requires that the chloride-management plan has been provided to and approved by the District’s Administrator.

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PRELIMINARY SITE CONSTRUCTION PLANS

FOR

DUPONT PARKING LOT REHABILITATION

EDINA, MINNESOTA 55439

APRIL, 2024

ENGINEER

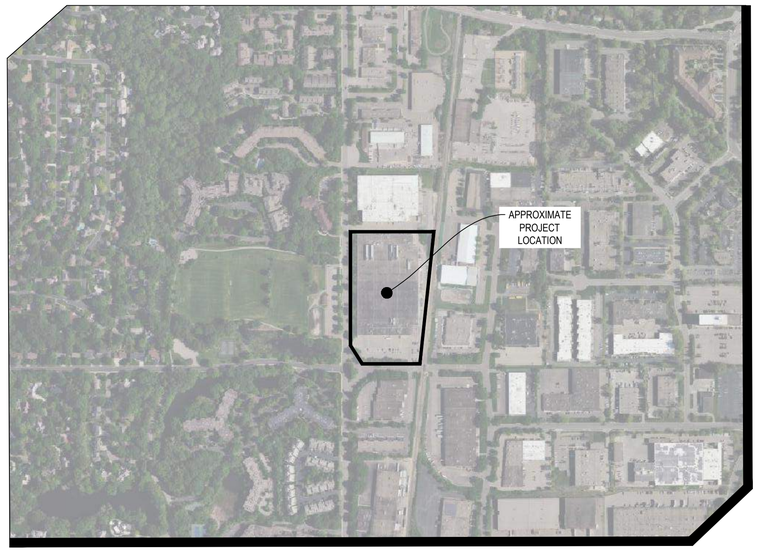
Stantec

STANTEC CONSULTING SERVICES, INC.
ONE CARLSON PARKWAY N.,
SUITE 100
PLYMOUTH, MN 55447
(E) - CLARK.LOHR@STANTEC.COM, DAN.LAVENDER@STANTEC.COM
CONTACT: CLARK LOHR, DAN LAVENDER, P.E.

CLIENT

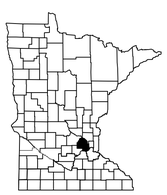
DUPONT

DUPONT
5400 DEWEY HILL ROAD
EDINA, MN 55439
(E) - BEN.PERRY@STANTEC.COM; BRYAN.BOE@STANTEC.COM
CONTACT: BEN PERRY; BRYAN BOE
APPLICANT: JOEL GILLESPIE
(E) - JOEL.GILLESPIE@DUPONT.COM



VICINITY MAP

NOT TO SCALE



PROJECT LOCATION

CITY: EDINA
COUNTY: HENNEPIN

THIS PLANSET CONTAINS 13 SHEETS

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-001	COVER SHEET
C-002	GENERAL NOTES
C-003	GENERAL NOTES
C-004	EXISTING CONDITIONS
C-005	REMOVALS AND PRECONSTRUCTION EROSION CONTROL PLAN
C-101	SITE PLAN
C-102	LAND-DISTURBING PLAN
C-201	POST-CONSTRUCTION STABILIZATION PLAN
C-202	SWPPP
C-301	GRADING AND DRAINAGE PLAN
C-801	DETAILS
C-802	DETAILS
C-803	DETAILS

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG

GOPHER STATE ONE CALL

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

Stantec
1 CARLSON PARKWAY N
SUITE 100
PLYMOUTH, MN 55447
WWW.STANTEC.COM

CLIENT:

DUPONT

PROJECT TITLE:
DUPONT PARKING LOT REHABILITATION
5400 DEWEY HILL RD
EDINA, MN, 55439

ISSUE NO.:	DESCRIPTION:	DATE:
1	INTERNAL IFR	04/19/2024
	NMCWD PERMIT REVIEW	04/24/2024

CERTIFICATION:

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.

NOT FOR CONSTRUCTION

LICENSE NO.:
DATE:

PROJECT NO.:	193806534
DWN BY: YMK / CHK'D BY: CL / APP'D BY: CL	
ISSUE DATE:	04/19/2024
ISSUE NO.:	1
SHEET TITLE:	COVER SHEET
SHEET NO.:	C-001

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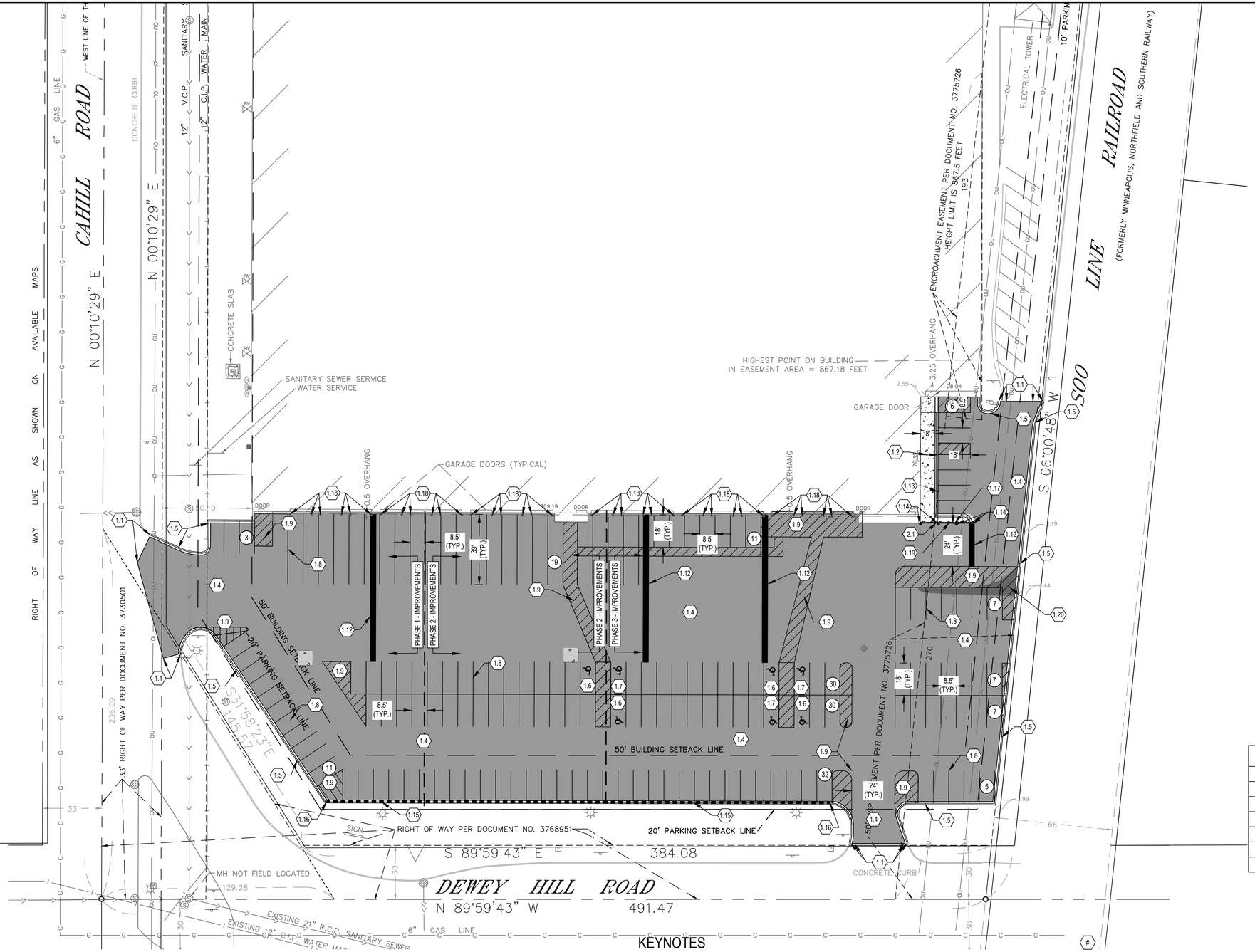

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- EASEMENT LINE
- SETBACK LINE
- RIGHT OF WAY LINE
- SECTION LINE
- QUARTER LINE
- EXISTING EASEMENT LINE
- EXISTING PROPERTY LINE
- CURB AND GUTTER
- TIP OUT CURB AND GUTTER
- ROAD CENTERLINE
- BITUMINOUS PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- RETAINING WALL [BY OTHERS]
- (#) PROPOSED PARKING COUNT

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. DESIGN BY OTHERS ITEMS SHOWN FOR REFERENCE ONLY. EXACT LOCATION, DETAIL, AND DESIGN BY OTHERS. COORDINATE WITH PROJECT PARTNERS TO OBTAIN RELATED CONSTRUCTION DOCUMENTS/DRAWINGS.
4. LANDSCAPING RESTORATION INCLUDING CURB BACKFILL, SEEDING, SOD, AND IRRIGATION REPAIR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. FINAL LOCATION AND DESIGN FOR ACCESSIBLE PARKING AND ADA COMPLIANT ROUTES TO BE INCLUDED WITH FUTURE DETAILED DESIGN SCOPE.

PARKING SUMMARY	
EXISTING PARKING	237
EXISTING ADA STALLS	14
TOTAL EXISTING PARKING	251
RECONSTRUCTED PARKING STALLS	161
RECONSTRUCTED ADA STALLS	7
TOTAL RECONSTRUCTED PARKING	168
TOTAL PROPOSED PARKING	252

KEYNOTES

1. STANTEC DESIGN ITEM
- 1.1. MATCH EXISTING
- 1.2. CONCRETE SIDEWALK - SEE DETAIL 7/C-80X
- 1.3. CONCRETE PAVEMENT - SEE DETAIL 4/C-801
- 1.4. BITUMINOUS PAVEMENT REHABILITATION - SEE DETAIL 8/C-801
- 1.5. B612 CURB AND GUTTER TIP OUT - SEE DETAIL 6/C-801
- 1.6. HANDICAP ACCESSIBLE PARKING STALL WITH ACCESS AISLE AND SIGN - SEE DETAILS ON SHEET 10,11,12/C-801
- 1.7. VAN ACCESSIBLE PARKING STALL WITH ACCESS AISLE AND SIGN - SEE DETAILS 10,11,12/C-80X
- 1.8. 4" WHITE PAINT STRIPE (TYP.) - SEE DETAIL 9/C-801
- 1.9. DIAGONAL WHITE [YELLOW] STRIPING AT 2' O.C. - SEE DETAIL 9/C-801
- 1.10. REINSTALL SALVAGED A/C
- 1.11. NON-ADA COMPLIANT. CONSIDER SHIFTING LOCATION OF ADA STALLS
- 1.12. SPEED BUMPS
- 1.13. RIBBON CURB - SEE DETAIL 5/C-801
- 1.14. BOLLARD - SEE DETAIL 10/C-801
- 1.15. B612 TIP OUT CURB AND GUTTER - SEE DETAIL X/C-80X
- 1.16. CURB TRANSITION
- 1.17. RECONSTRUCT BIG BLOCK RETAINING WALL OR APPROVED EQUAL - SEE DETAIL 103, 108, 1002/C-802
- 1.18. INSTALL YELLOW COVERS TO EXISTING BOLLARD - SEE DETAIL SHEET 803
- 1.19. 1-1/2" DIA - 42" HIGH YELLOW POWDER COATED HANDRAIL SET IN SLEEVE-IT OR APPROVED EQUAL FENCE POST ANCHOR - SEE DETAIL 504/C-802
- 1.20. BITUMINOUS PAVEMNT - SEE DETAIL 13/C-803

2. DESIGN BY STRUCTURAL ENGINEER (FUTURE SCOPE)
- 2.1. MODULAR BLOCK RETAINING WALL WITH HANDRAIL

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SHEET TITLE: SITE PLAN

SHEET NO.: C-101

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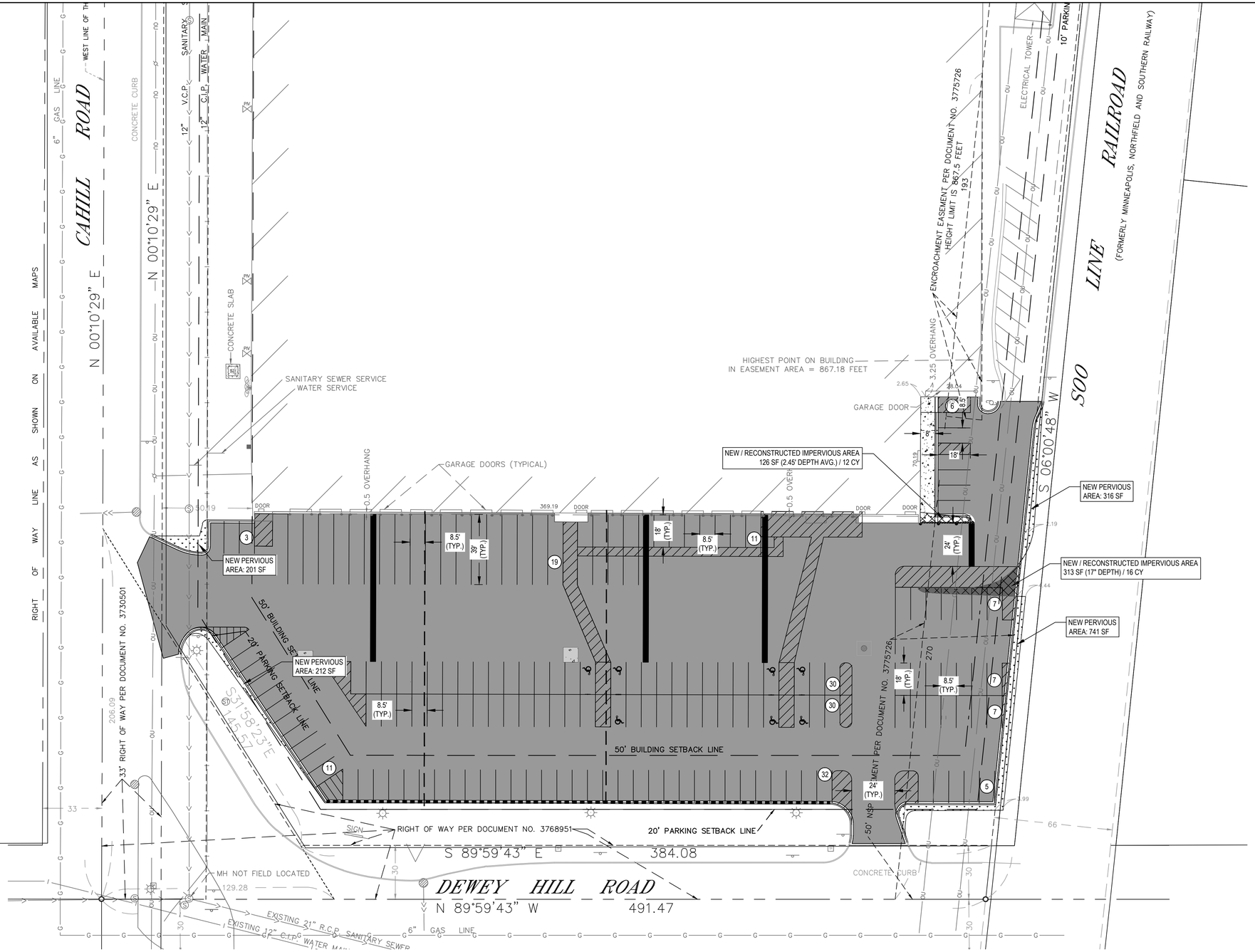

GRAPHIC SCALE
30 0 30 60
(IN FEET)
1 inch = 30 ft.

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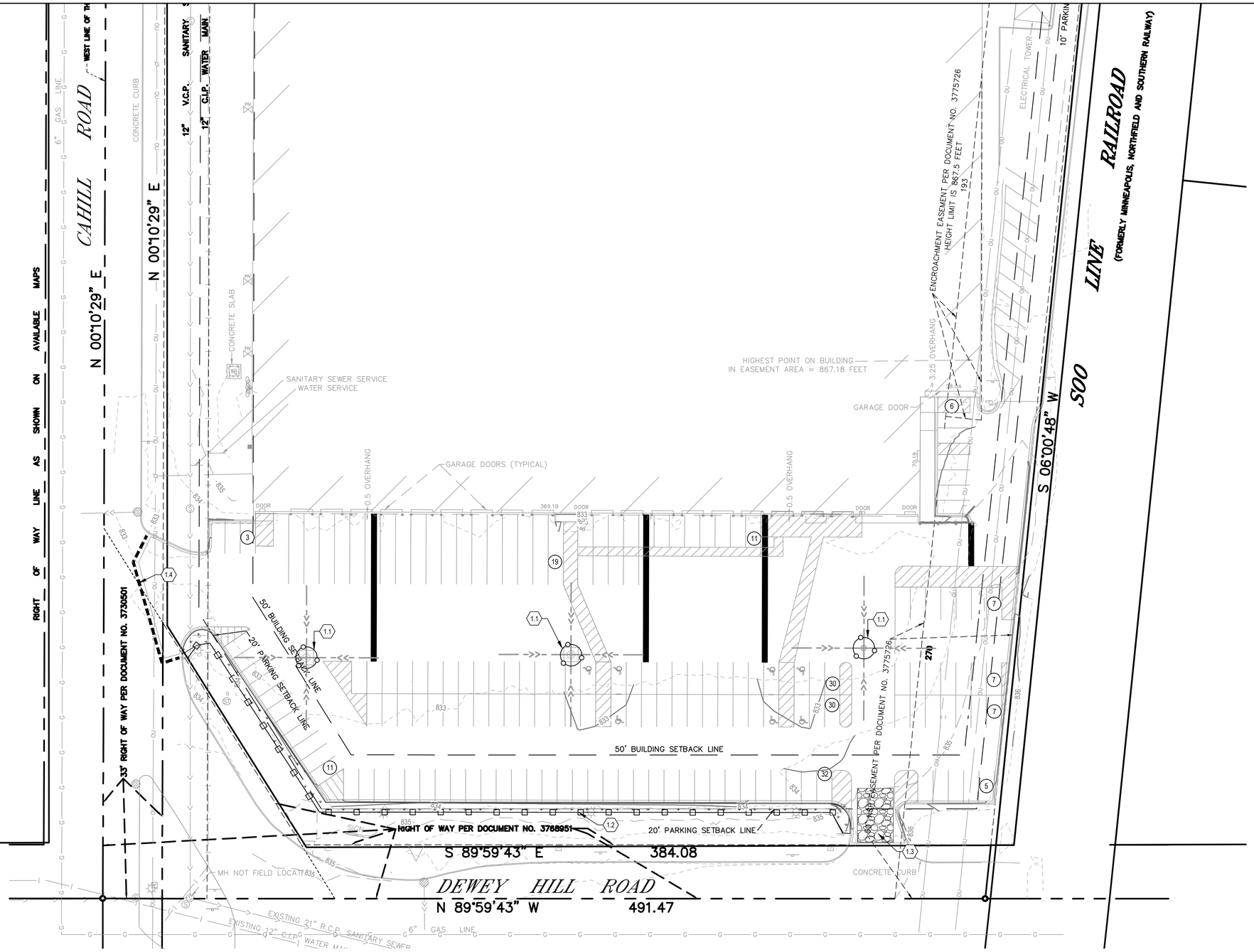
NOT FOR CONSTRUCTION

LICENSE NO.:
DATE:

PROJECT NO.:	193806534
DWN BY: YMK / CHK'D BY: CL / APP'D BY: CL	
ISSUE DATE:	04/19/2024
ISSUE NO.:	1

SHEET TITLE:
NMCWD LAND DISTURBING ACTIVITY

SHEET NO.:
C-102



GRAPHIC SCALE

30 0 30 60

(IN FEET)

1 inch = 30 ft.

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- EXISTING EASEMENT LINE
- 901 EXISTING MINOR CONTOUR
- 900 EXISTING MAJOR CONTOUR
- CONSTRUCTION LIMITS
- ROCK CONSTRUCTION EXIT
- EROSION CONTROL BLANKET
- SEED
- RIPRAP
- SILT FENCE
- BIOLOG
- INLET PROTECTION
- CULVERT PROTECTION
- TREE PROTECTION

NOTES

1. SEE SHEET G-002 FOR ADDITIONAL PROJECT NOTES.
2. CONSTRUCTION SHALL HAVE STABILIZED EXIT AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROTECT DOWNSTREAM WATERS FROM CONSTRUCTION RUNOFF.
3. UNTRENCHED SILT FENCE OR ORANGE SNOW FENCE MAY BE USED FOR TREE PROTECTION.
4. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL SLOPES 4:1 OR STEEPER, UPON COMPLETION OF GRADING.

KEYNOTES (#)

1. EROSION CONTROL ITEMS
   - 1.1. INLET PROTECTION - SEE DETAIL 2/C-801
   - 1.2. SILT FENCE - SEE DETAIL 1/C-801
   - 1.3. ROCK CONSTRUCTION ENTRANCE - SEE DETAIL /C-80X
   - 1.4. BIOROLL - SEE DETAIL 3/C-801

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG

GOPHER STATE ONE CALL

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

Stantec
1 CARLSON PARKWAY N
SUITE 100
PLYMOUTH, MN 55447
WWW.STANTEC.COM

CLIENT:

DUPONT

DUPONT PARKING LOT REHABILITATION

5400 DEWEY HILL RD
EDINA, MN, 55439

PROJECT TITLE:

ISSUE NO:	DESCRIPTION:	DATE:
1	INTERNAL IFR	04/19/2024
	NMCWD PERMIT REVIEW	04/24/2024

CERTIFICATION:

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.

NOT FOR CONSTRUCTION

LICENSE NO.: _____

DATE: _____

PROJECT NO.:	193806534	
DWN BY: YMK	CHK'D BY: CL	APP'D BY: CL
ISSUE DATE:	04/19/2024	
ISSUE NO.:	1	

SHEET TITLE:

POST-CONSTRUCTION STABILIZATION PLAN

SHEET NO.:

C-201

4/24/2024 1:53:59 PM

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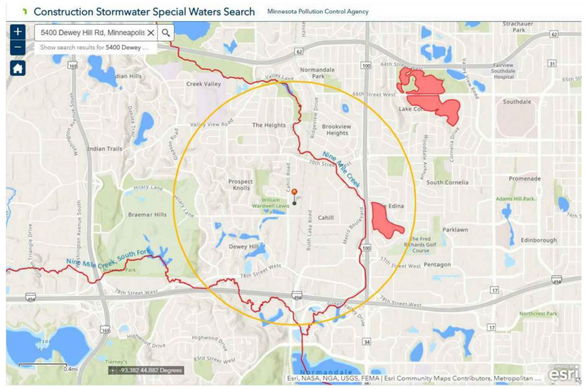
4/24/2024 1:54:25 PM

IMPAIRED WATERS MAP



NINE MILE CREEK

- THIS RIVER SEGMENT HAS AN EPA-APPROVED IMPAIRMENT FOR: FISH BIOASSESSMENTS.
- THIS RIVER SEGMENT HAS AN EPA-APPROVED IMPAIRMENT FOR: BENTHIC MACROINVERTEBRATES BIOASSESSMENTS; FISH BIOASSESSMENTS.
- THIS RIVER SEGMENT HAS AN EPA-APPROVED IMPAIRMENT FOR: BENTHIC MACROINVERTEBRATES BIOASSESSMENTS; FISH BIOASSESSMENTS.

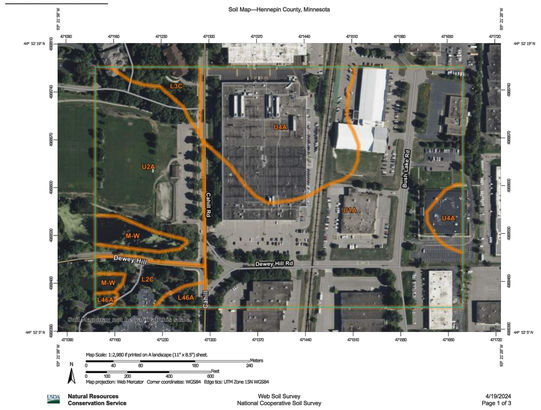
THESE IMPAIRMENT(S) ARE CONSIDERED TO BE CONSTRUCTION RELATED PARAMETERS AND REQUIRE THE ADDITIONAL BEST MANAGEMENT PRACTICES (BMPS) FOUND IN ITEMS 23.9 AND 23.10 OF THE PERMIT IF THE PROJECT HAS A DISCHARGE POINT ON THE PROJECT WITHIN 1 MILE (AERIAL RADIUS MEASUREMENT) OF, AND FLOWS TO THE IMPAIRED STREAM.

23.9:
PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN ITEM 8.4, AND COMPLETE THE STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.

23.10:
PERMITTEES MUST PROVIDE A TEMPORARY SEDIMENT BASIN AS DESCRIBED IN SECTION 14 FOR COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH FIVE (5) OR MORE ACRES DISTURBED AT ONE TIME.

ALSO, A MANDATORY STORMWATER POLLUTION PREVENTION PLAN (SWPPP) REVIEW IS REQUIRED BY THE MPCA IF THE PROJECT WILL DISTURB OVER 50 ACRES AND HAS A DISCHARGE POINT ON THE PROJECT WITHIN 1 MILE (AERIAL RADIUS MEASUREMENT) OF, AND FLOWS TO THE IMPAIRED WATER. OWNERS MUST SUBMIT THE APPLICATION FOR COVERAGE AND THE STORM WATER POLLUTION PREVENTION PLAN AT LEAST 30-DAYS BEFORE THE CONSTRUCTION START DATE. THE SWPPP CAN BE ATTACHED ELECTRONICALLY WHEN USING THE ONLINE APPLICATION.

SOIL MAP



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
L2C	Malardi-Hawick complex, 6 to 12 percent slopes	1.9	4.0%
L3C	Rasset sandy loam, 6 to 12 percent slopes	1.2	2.6%
L46A	Tomall loam, 0 to 2 percent slopes	0.6	1.3%
M-W	Water, miscellaneous	1.4	2.9%
U1A	Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes	22.9	48.7%
U2A	Udorthents, wet substratum, 0 to 2 percent slopes	8.8	18.6%
U4A	Urban land-Udipsamments (cut and fill land) complex, 0 to 2 percent slopes	10.3	21.9%
Totals for Area of Interest		**47.1**	**100.0%**

PROJECT INFORMATION

PROJECT NAME: DUPONT PARKING LOT REHABILITATION
PROJECT LOCATION: 5400 DEWEY HILL RD. EDINA, MINNESOTA 55439
PROJECT TYPE: PARKING LOT REHABILITATION FOR ADA COMPLIANCY
TOTAL AREA DISTURBED BY CONSTRUCTION: APPROXIMATELY 0.58 ACRES. THE TOTAL SITE AREA IS APPROXIMATELY 10.1 ACRES.

ESTIMATED CONSTRUCTION DATES: SUMMER 2024 - FALL 2024
CUMULATIVE IMPERVIOUS SURFACE/PERMANENT STORMWATER MANAGEMENT REQUIREMENTS:
THE PROPOSED PROJECT RESULTS IN A ±0.0002 ACRE NET DECREASE IN IMPERVIOUS SURFACE WITHIN THE LIMITS OF DISTURBANCE. INCLUDE ANY INFORMATION ABOUT FUTURE EXPANSION IMPERVIOUS HERE.

THE SITE ULTIMATELY DRAINS TO, BUT IS WITHIN 1 MILE OF, THE LAKE EDINA, WHICH IS LISTED AS AN IMPAIRED WATER FOR AQUATIC RECREATION. THERE ARE CURRENT APPROVED TMDLS FOR THE WATERBODY FOR NUTRIENTS

THE PERMANENT STORMWATER SYSTEM WILL CONSIST OF NEW STORM STRUCTURES TO REPLACE THE EXISTING STRUCTURES OUT OF SHAPE AND CONNECT TO THE EXISTING SYSTEM ON SITE.

PARTY RESPONSIBLE FOR LONG TERM OPERATION AND MAINTENANCE OF THE SITE (OWNER): DUPONT
CONTACT: JOEL GILLESPIE
CONTACT EMAIL: JOEL.GILLESPIE@DUPONT.COM
PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP (CONTRACTOR): (TBD)
CONTRACTOR: (TBD)
CONTRACTOR PHONE: (TBD)
CONTRACTOR EMAIL: (TBD)

CONTRACTOR SHALL PROVIDE A CHAIN OF RESPONSIBILITY WITH ALL OPERATORS ON THE SITE FOR INCORPORATION INTO THIS SWPPP DOCUMENT TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE (THROUGH FINAL STABILIZATION AND NOT SUBMITTAL). CONTRACTOR SHALL ALSO PROVIDE DOCUMENTATION OF PERSONNEL TRAINING IN ACCORDANCE WITH THE PERMIT FOR INCORPORATION INTO THIS SWPPP DOCUMENT AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. CONTRACTOR IS RESPONSIBLE FOR KEEPING A FINAL SWPPP DOCUMENT, CONTAINING THE INFORMATION REQUIRED ABOVE, AT THE CONSTRUCTION SITE FOR THE DURATION OF THE PROJECT.

SWPPP DOCUMENTS

THE SWPPP IS COMPOSED OF, BUT NOT LIMITED TO, THE BELOW PROJECT DOCUMENTS. THESE DOCUMENTS SHALL BE KEPT ON THE PROJECT SITE AT ALL TIMES THROUGHOUT CONSTRUCTION. THE SWPPP SHALL BE AMENDED BY THE PERSON RESPONSIBLE TO INCLUDE ANY DOCUMENTS NECESSARY TO ENSURE ADHERENCE TO THE GENERAL PERMIT.

DUPONT PARKING LOT REHABILITATION CIVIL CONSTRUCTION DRAWINGS BY STANTEC DATED APRIL, 2024
DUPONT PARKING LOT REHABILITATION STORMWATER MANAGMENT PLAN BY STANTEC DATED APRIL, 2024

RECORD RETENTION - THE SWPPP, ALL CHANGES TO IT, AND INSPECTION AND MAINTENANCE RECORDS MUST BE KEPT ON-SITE DURING CONSTRUCTION; THE CONSTRUCTION DRAWINGS ARE INCORPORATED HEREIN BY REFERENCE, AND A COPY OF THE PLAN SET SHOULD BE KEPT ON-SITE WITH THE SWPPP RECORDS. THE OWNER MUST RETAIN A COPY OF THE SWPPP ALONG WITH THE FOLLOWING RECORDS FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION:
1. ANY OTHER PERMITS REQUIRED FOR THE PROJECT;
2. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION;
3. ALL PERMANENT OPERATIONS AND MAINTENANCE AGREEMENTS THAT HAVE BEEN IMPLEMENTED, INCLUDING ALL RIGHT OF WAY, CONTRACT, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
4. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

INSPECTIONS

THE INSPECTION LOG WILL BE COMPLETED BY THE CONTRACTOR FOR THE CONSTRUCTION SITE.
INSPECTOR(S): TBD - TRAINING DOCUMENTATION (PER SECTION 21.2 OF THE PERMIT) WILL BE INCORPORATED INTO THIS SWPPP AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. THE CONTRACTOR WILL MAKE CORRECTIONS OR REPAIRS REQUIRED TO COMPLY WITH THE PERMIT.

INSPECTIONS AT THE SITE WILL BE COMPLETED IN ACCORDANCE WITH THE PERMIT AS FOLLOWS:
ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND,
WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

1. THE INDIVIDUAL PERFORMING INSPECTIONS MUST BE TRAINED AS REQUIRED BY SECTION 21.3 OF THE PERMIT. TRAINING DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR FOR INCORPORATION INTO THE SWPPP. INSPECTIONS MUST INCLUDE STABILIZED AREAS, EROSION PREVENTION AND SEDIMENT CONTROL BMPS, AND INFILTRATION AREAS. CORRECTIVE ACTIONS MUST BE IDENTIFIED AND DATE OF CORRECTION MUST BE NOTED AS IDENTIFIED IN SECTION 11.11 OF THE PERMIT. ANY OFFSITE DISCHARGE MUST BE DOCUMENTED AS IDENTIFIED IN SECTION 11.11 OF THE PERMIT. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED WITHIN SEVEN (7) CALENDAR DAYS. AN INSPECTION LOG IS ALSO ATTACHED; THE INSPECTION LOG AND SWPPP MUST BE KEPT ON-SITE FOR THE DURATION OF THE CONSTRUCTION PROJECT.

AT A MINIMUM, THE FOLLOWING SHALL BE COMPLETED DURING EACH INSPECTION:
-RECORD DATE AND TIME OF INSPECTION.
-RECORD RAINFALL RECORDS SINCE THE MOST RECENT INSPECTION.
-INSPECT THE SITE FOR EXCESS EROSION AND SEDIMENTATION.
-INSPECT THE SITE FOR DEBRIS, TRASH, AND SPILLS.
-INSPECT TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES.
-INSPECT CONSTRUCTION ENTRANCES FOR SEDIMENT TRACKING ONTO PUBLIC STREETS.
-RECORD RECOMMENDED REPAIRS AND MODIFICATIONS TO EROSION AND SEDIMENT CONTROLS.
-RECOMMEND ANY NECESSARY CHANGES TO THIS SWPPP.
-RECORD REPAIRS AND MODIFICATIONS IMPLEMENTED SINCE PREVIOUS INSPECTIONS.
-INSPECT THE ADJACENT STREETS AND CURB AND GUTTER FOR SEDIMENT, LITTER, AND CONSTRUCTION DEBRIS.

THE GENERAL CONTRACTOR MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G. PAVING, SEWER INSTALLATION, ETC), CLEARING, GRUBBING, GRADING, OR TEMPORARY AND PERMANENT STABILIZATION.

THE CONTRACTOR MAY UPDATE OR MODIFY THE SWPPP WITHOUT ENGINEER APPROVAL IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

EROSION AND SEDIMENT CONTROL

PRIOR TO ANY SITE DISTURBANCE, AND AS REQUIRED AS CONSTRUCTION PROGRESSES, ANY PERMIT REQUIRED EROSION PREVENTION MEASURES AND THE SEDIMENT CONTROL DEVICES (INLET PROTECTION, CONSTRUCTION ENTRANCE, SILT FENCE, EROSION CONTROL BLANKET) SHOWN ON THE CONSTRUCTION DRAWINGS WILL BE INSTALLED AT THE SITE.

ALL EXPOSED SOIL AREAS WITHIN THE CONSTRUCTION LIMITS WILL BE STABILIZED WITHIN 7/14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY (WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS) OR PERMANENTLY CEASED. STABILIZATION WILL BE INITIATED IMMEDIATELY. EXPOSED SOIL AREAS MUST HAVE TEMPORARY EROSION PROTECTION (SLASH MULCH, EROSION CONTROL BLANKET, SEED) OR PERMANENT COVER YEAR ROUND.

CONTRACTOR SHALL IMPLEMENT APPROPRIATE CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING, AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION WHEN PRACTICAL. THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH THAT DRAINS WATER FROM A CONSTRUCTION SITE, OR DIVERTS WATER AROUND A SITE, MUST BE STABILIZED WITHIN 200 LINEAL FEET FROM THE PROPERTY EDGE, OR FROM THE POINT OF DISCHARGE TO ANY SURFACE WATER. STABILIZATION MUST BE COMPLETED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER.

SWPPP IMPLEMENTATION, PHASING, AND SEQUENCE OF CONSTRUCTION:
BMP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, CONCRETE WASHOUT PIT, AND INSTALL SILT FENCE.
2. INSTALL INLET PROTECTION AT EXISTING STORMWATER CULVERTS AND INLETS.
3. PREPARE TEMPORARY STORAGE, PARKING, AND PHASING AREAS.
4. CONSTRUCT AND STABILIZE DIVERSIONS AND TEMPORARY SEDIMENT TRAPS/BASINS.
5. PERFORM CLEARING AND GRUBBING OF THE SITE, IF APPLICABLE.
6. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
7. BEGIN EXCAVATION OF PERMANENT STORMWATER BASIN AREAS. SEE SEQUENCING BELOW FOR ADDITIONAL INFORMATION.
8. START CONSTRUCTION OF THE BUILDING PAD AND STRUCTURES.
9. INSTALL SMALL UTILITIES (GAS, ELECTRIC, PHONE, CABLE, ETC.).
10. PAVE CURB AND GUTTER, SIDEWALK, AND PARKING LOT/ DRIVEWAYS.
11. TEMPORARILY SEED WITH PURE LIVE SEED THROUGHOUT CONSTRUCTION. DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY NPDES OR PERMIT.

SEDIMENT CONTROL PRACTICES MUST MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS. THE FOLLOWING MEASURES WILL BE TAKEN AS SEDIMENT CONTROL PRACTICES IN ORDER TO MINIMIZE SEDIMENTS FROM ENTERING SURFACE WATERS:
1. INSTALLATION OF SEDIMENT CONTROL PRACTICES ON ALL DOWN GRADIENT PERIMETERS PRIOR TO LAND DISTURBING ACTIVITIES.
2. SILT FENCING, BIOLOGS, OR OTHER SEDIMENT CONTROL SURROUNDING TEMPORARY SOIL STOCKPILES.
3. VEHICLE TRACKING BMP AT CONSTRUCTION SITE ENTRANCE/EXIT. STREET SWEEPING SHALL BE PERFORMED IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING. TRACKED SEDIMENT MUST BE REMOVED FROM ALL PAVED SURFACES BOTH ON AND OFFSITE WITHIN 24 HOURS OF DISCOVERY PER THE PERMIT.
4. STREET SWEEPING IS NOT TO BE USED AS A PRIMARY BMP FOR SEDIMENT TRACKING. IF SEDIMENT IS TRACKED OFFSITE, WORK WILL CEASE UNTIL PROPER EROSION CONTROL AND SEDIMENT CONTROL DEVICES ARE INSTALLED AND/OR BEING MAINTAINED TO PREVENT TRACKING BEYOND THE SITE'S PERIMETER (CONTAINMENT AREA). ALL STREET SWEEPING MUST BE PERFORMED UTILIZING A PICK-UP SWEEPER. IF NECESSARY WATER WILL ALSO BE USED TO CLEAN UP THE STREETS PRIOR TO BEING SWEPT TO ENSURE THEY ARE FULLY CLEANED.

THE FOLLOWING GUIDELINES WILL BE USED TO DETERMINE IF POLLUTION CONTROL DEVICES REQUIRE MAINTENANCE, REPAIR, OR REPLACEMENT:
-IF SEDIMENT CONTROL DEVICES SUCH AS SILT FENCE ARE FILLED TO 1/3 THE HEIGHT OF THE FENCE, REMOVE ALL SEDIMENT WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF INLET PROTECTION DEVICES APPEAR PLUGGED WITH SEDIMENT, ARE FILLED TO 1/3 CAPACITY, OR HAVE STANDING WATER AROUND THEM, REMOVE THE SEDIMENT AND CLEAN OR REPLACE THE FILTER WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF THE GRAVEL CONSTRUCTION ENTRANCE(S) ARE FILLED WITH SEDIMENT EITHER REPLACE THE ENTRANCE OR ADD ADDITIONAL GRAVEL WITH 24 HOURS OF DETECTION OR NOTIFICATION.
-IF SEDIMENT FROM THE SITE IS OBSERVED ON ADJACENT STREETS OR OTHER PROPERTIES, THE INSPECTOR SHALL IDENTIFY THE SOURCE AND DISCHARGE LOCATION OF THE SEDIMENT AND INSTRUCT TO IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROLS AT THOSE LOCATIONS TO PREVENT FUTURE DISCHARGES.
-IF BUILDING MATERIALS, CHEMICALS, OR GENERAL REFUSE IS BEING USED, STORED, DISPOSED OF, OR OTHERWISE MANAGED INAPPROPRIATELY, CORRECT SUCH DEFECTS WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF EXCESSIVE SEDIMENTS OR DEBRIS ARE OBSERVED AT THE FLARED END SECTION OUTFALLS, THE INSPECTOR SHALL DETERMINE THE SOURCE AND DISCHARGE LOCATIONS OF SUCH MATERIALS. IF THE DISCHARGE HAS OCCURRED ON THE PROPERTY, REMOVE THE SEDIMENTS AND DEBRIS WITHIN 24 HOURS OF NOTIFICATION AND CORRECT THE SOURCE OF SUCH MATERIALS AS DIRECTED BY THE INSPECTOR

POLLUTION PREVENTION MEASURES

SOLID WASTE:
SOLID WASTE, INCLUDING BUT NOT LIMITED TO, COLLECTED ASPHALT AND CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS AND OTHER WASTE, INCLUDING ALL TRASH ONSITE, MUST BE REGULARLY DISPOSED OF PROPERLY AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.

HAZARDOUS MATERIALS:
HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND ANY HAZARDOUS SUBSTANCE MUST BE PROPERLY STORED INCLUDING SECONDARY CONTAINMENTS, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MCPA REGULATIONS.

CONSTRUCTION EQUIPMENT/VEHICLES:
EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE. REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS SHALL BE TAKEN. ADEQUATE SUPPLIES MUST BE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS; CONDUCT FUELING IN A CONTAINED AREA UNLESS INFEASIBLE.

CONCRETE WASHOUT AREA:
CONCRETE WASHOUT WILL BE PERMITTED ON-SITE; CONTRACTOR SHALL FOLLOW ALL PERMIT REQUIREMENTS FOR CONCRETE WASHOUT. THE CONTRACTOR SHALL PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND AND THE CONTAINMENT MUST BE DESIGNED TO PROHIBIT RUNOFF FROM THE WASHOUT OPERATIONS/AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH MPCA RULES. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY THAT REQUIRES SITE PERSONNEL TO UTILIZE THE PROPER FACILITIES FOR CONCRETE WASHOUT AND DISPOSAL OF WASHOUT WASTES. CONTRACTOR SHALL REVISE SWPPP TO INDICATE WASHOUT LOCATION ONCE THE LOCATION HAS BEEN DETERMINED.

FERTILIZERS AND LANDSCAPE MATERIALS MUST BE UNDER COVER TO PREVENT THE DISCHARGE OF POLLUTANTS OR PROTECTED BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.

PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER. SANITARY WASTE MUST BE DISPOSED OF PROPERLY.

INFILTRATION BASIN SEQUENCING NOTES

1. (INCLUDE ONLY IF APPLICABLE)
2. CONTRACTOR SHALL STAGE CONSTRUCTION APPROPRIATELY AND INSTALL ALL NECESSARY EROSION CONTROL TO PREVENT SEDIMENT WASHING INTO THE INFILTRATION BASIN.
3. FINAL GRADING OF THE BASIN SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION. SMALL TRACKED DOZERS AND SKID STEERS ARE RECOMMENDED.
4. IN THE EVENT THAT SEDIMENT IS INTRODUCED INTO THE INFILTRATION BASIN, THIS MATERIAL WILL NEED TO BE REMOVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. INFILTRATION BASIN SHALL BE FREE AND CLEAR OF SEDIMENT UPON FINAL COMPLETION OF CONSTRUCTION.
6. ALL SLOPES WITHIN PERMANENT STORMWATER SYSTEM (INCLUDING SWALES, BASINS, AND PONDS) SHALL BE STABILIZED WITH A EROSION CONTROL BLANKET.
7. THE PROJECT AREA MUST BE STAKED OFF AND MARKED TO KEEP ALL CONSTRUCTION TRAFFIC, EQUIPMENT AND MATERIAL STOCKPILES OUT OF THE PROPOSED INFILTRATION AREAS.
8. INFILTRATION PRACTICES SHALL NOT BE EXCAVATED UNTIL THE CONTRIBUTING DRAINAGE AREAS WITH EXPOSED SOIL HAVE BEEN FULLY STABILIZED AND BITUMINOUS BASE COURSE INSTALLED ON CONTRIBUTING PAVEMENT AREAS. DIVERT UPLAND DRAINAGE AREAS TO PREVENT RUNOFF FROM ENTERING THE EXCAVATED CELL OR INTO THE WORK AREA.
9. CARE MUST BE TAKEN TO AVOID CONTAMINATION OF INFILTRATION BASIN SOILS WITH SEDIMENT, IN-SITU OR TOPSOIL DURING AND AFTER INSTALLATION. MATERIALS MUST BE SEGREGATED.
10. KEEP INFILTRATION SYSTEMS OFF-LINE BY RESTRICTING STORM WATER INFLOW UNTIL VEGETATION IS WELL ESTABLISHED IN THE CELL AND ALL UP GRADIENT AREAS HAVE BEEN STABILIZED AND IMPERVIOUS SURFACES CLEARED OF CONSTRUCTION SEDIMENT.
11. PROVIDE TOPSOIL AND SEED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, LANDSCAPE PLAN, AND NPDES PERMIT.

GENERAL SWPPP NOTES

DEWATERING IS (NOT) ANTICIPATED TO BE REQUIRED DURING TRENCHING FOR UTILITY CONSTRUCTION. IN THE EVENT THAT DEWATERING IS NECESSARY CONTRACTOR SHALL COMPLY WITH PERMIT SECTION 10.1 REQUIREMENTS FOR DEWATERING.

THIS SWPPP SHALL BE AMENDED BY THE CONTRACTOR IN ACCORDANCE WITH THE PERMIT AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, TO CORRECT PROBLEMS IDENTIFIED, OR TO ADDRESS SITUATIONS PER SECTION 6.1 OF THE PERMIT.

THE PROJECT WILL DISTURB MORE (LESS) THAN 5 ACRES THAT PROMOTE DRAINAGE TO A COMMON LOCATION, THEREFORE A TEMPORARY SEDIMENT BASIN WILL (NOT) BE REQUIRED. THIS SWPPP SHALL BE AMENDED BY THE CONTRACTOR IN ACCORDANCE WITH THE GENERAL PERMIT TO INCLUDE TEMPORARY SEDIMENTATION BASINS, IF THEY BECOME NECESSARY. BASINS, IF DESIGNED BY THE CONTRACTOR, SHALL ACCOMMODATE NO LESS THAN 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE OF CONTRIBUTING DRAINAGE AREA. BASIN OUTLETS SHALL BE DESIGNED TO WITHDRAW WATER FROM THE SURFACE OF THE BASIN, PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS. BASINS SHALL HAVE A STABILIZED EMERGENCY OVERFLOW LOCATION AND BE DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS TO THE EXTENT PRACTICAL.

FINAL STABILIZATION:
ALL PERVIOUS AREAS DISTURBED BY CONSTRUCTION AS DESIGNATED WILL RECEIVE VEGETATIVE COVER ACCORDING TO THE PLANS AND SPECIFICATIONS AND WITHIN THE SPECIFIED VEGETATIVE TIME SCHEDULE. FINAL STABILIZATION WILL OCCUR WHEN THE SITE HAS A UNIFORM VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE RESTORED PERVIOUS AREAS. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS (SUCH AS SILT FENCE) MUST BE REMOVED AS PART OF THE SITE FINAL STABILIZATION. ALL SEDIMENT MUST BE CLEANED OUT OF CONVEYANCES AND TEMPORARY SEDIMENTATION BASINS IF APPLICABLE. NOTICE OF TERMINATION (NOT) MUST BE SUBMITTED WITHIN 30 DAYS OF FINAL STABILIZATION.

IMPAIRED WATERS, SPECIAL WATERS, AND WETLANDS

THIS PROJECT IS LOCATED WITHIN ONE MILE OF, AND ULTIMATELY DISCHARGES TO AN IMPAIRED WATER. THE LAKE EDINA IS LOCATED WEST OF THE PROJECT LOCATION AND IS LISTED AS IMPAIRED FOR AQUATIC RECREATION. DISCHARGE TO AN IMPAIRED WATER REQUIRES IMPLEMENTATION OF SECTION 23.1 OF THE PERMIT AS INCORPORATED INTO THIS SWPPP DOCUMENT.

THE PROJECT SITE DISCHARGES TO AN EXISTING STORMWATER SYSTEM FOR STORMWATER MANAGEMENT PRIOR TO THE ULTIMATE DISCHARGE POINT ONSITE. THE PROJECT WILL NOT IMPACT WETLANDS.

SITE SOILS - SITE SOILS ARE SHOWN ON THIS SHEET. THIS PROJECT IS NOT LOCATED IN A KARST AREA.

ESTIMATED BMP QUANTITIES AND INSTALLATION SCHEDULE

THE ADJACENT TABLE INDICATES THE ESTIMATED MATERIAL QUANTITIES NECESSARY TO IMPLEMENT THE TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS IDENTIFIED IN THIS SWPPP AND ON THE CONSTRUCTION DRAWINGS. TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS WILL BE INSTALLED/CONSTRUCTED WHEN NECESSARY AS CONSTRUCTION ACTIVITIES PROGRESS AND IN ACCORDANCE WITH THE NPDES PERMIT REQUIREMENTS.

MAINTAIN AND REPLACE BMPs DURING THE EXECUTION OF THE PROJECT AS REQUIRED TO CONTINUE SWPPP COVERAGE DURING CONSTRUCTION

ESTIMATED BMP QUANTITIES		
ITEM	QUANITITY	UNIT
INLET PROTECTION	3	EA
BIOROLL	85	LF
SILT FENCE	433	LF
CONSTRUCTION EXIT	1	EA

NOTE: QUANTITIES ON PLAN SUPERCEDES LIST QUANTITIES IN A DISCREPANCY

CERTIFICATION

IN ACCORDANCE WITH SECTION 21 OF THE GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES, THE PREPARER OF THIS DOCUMENT WAS TRAINED UNDER THE UNIVERSITY OF MINNESOTA EROSION AND SEDIMENT CONTROL CERTIFICATION PROGRAM. (NAME)'S CERTIFICATION IN DESIGN OF SWPPP IS VALID THROUGH (DATE).

Stantec
1 CARLSON PARKWAY N
SUITE 100
PLYMOUTH, MN 55447
WWW.STANTEC.COM

CLIENT:
DUPONT

DUPONT PARKING LOT REHABILITATION
5400 DEWEY HILL RD
EDINA, MN, 55439

PROJECT TITLE:

ISSUE NO.:	DESCRIPTION:	DATE:
1	INTERNAL IFR	04/19/2024
	NMCWD PERMIT REVIEW	04/24/2024

CERTIFICATION:
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.

NOT FOR CONSTRUCTION

LICENSE NO.:
DATE:

PROJECT NO.: 193806534

DWN BY:	CHK'D BY:	APP'D BY:
YMK	CL	CL

ISSUE DATE: 04/19/2024
ISSUE NO.: 1
SHEET TITLE: SWPPP
SHEET NO.: C-202

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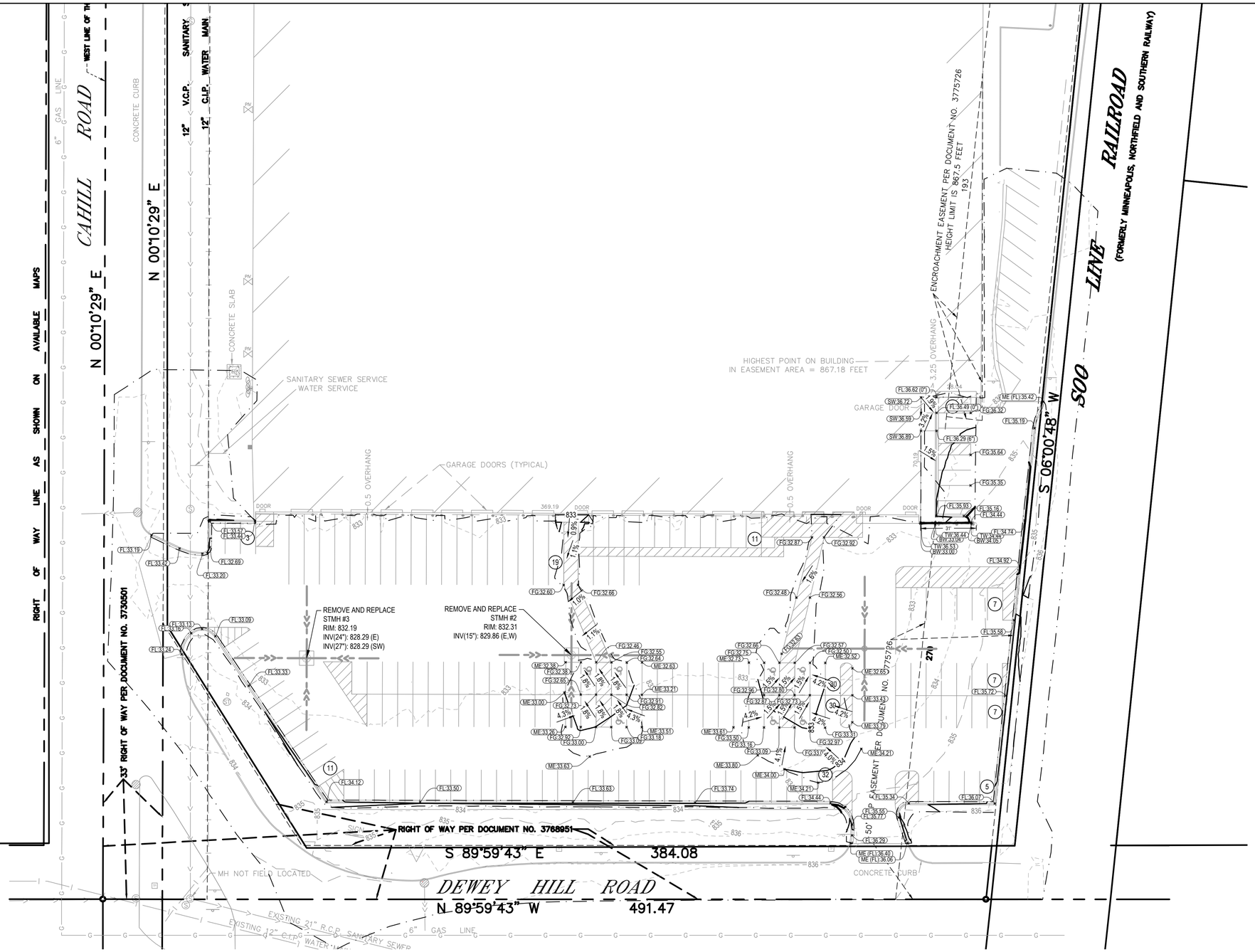

GRAPHIC SCALE
30 0 30 60
(IN FEET)
1 inch = 30 ft.

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING PROPERTY LINE
- 901 EXISTING MINOR CONTOUR
- 900 EXISTING MAJOR CONTOUR
- 901 PROPOSED MINOR CONTOUR
- 900 PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- CONSTRUCTION LIMITS
- FL=9XX.XX FLOW LINE ELEVATION
- FG=9XX.XX FINISHED GRADE ELEVATION
- ME=9XX.XX MATCH EXISTING ELEVATION
- SW=9XX.XX SIDEWALK ELEVATION
- EOF=9XX.XX EMERGENCY OVERFLOW ELEVATION
- TC=9XX.XX TOP OF CURB ELEVATION
- TW=9XX.XX TOP OF WALL ELEVATION
- BW=9XX.XX BOTTOM OF WALL ELEVATION (AT GRADE)
- RIM=9XX.XX STRUCTURE RIM SPOT ELEVATION
- 1.00% SURFACE GRADE & FLOW DIRECTION
- 3.0:1 SURFACE SLOPE (H:V) & FLOW DIRECTION

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG

GOPHER STATE ONE CALL

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

Stantec
1 CARLSON PARKWAY N
SUITE 100
PLYMOUTH, MN 55447
WWW.STANTEC.COM

CLIENT:

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DWN BY:	CHK'D BY:	APP'D BY:
YMK	CL	CL

ISSUE DATE:	04/19/2024
ISSUE NO.:	1

SHEET TITLE:
GRADING AND DRAINAGE PLAN

SHEET NO.:
C-301