US Army Corps of Engineers
St Paul District

APPLICANT: **Metropolitan Council Environmental Services, c/o Mr. Bryce Pickart**

Public Notice

ISSUED: September 30, 2013
EXPIRES: October 30, 2013

REFER TO: MVP-2011-04294-SEW

SECTION:404 - Clean Water Act

1. APPLICATION FOR PERMIT TO discharge dredged and fill material in wetlands adjacent to Black Dog Lake and tributaries of the Minnesota River to facilitate repairs to approximately 23,500 linear feet of corroding sewer interceptors 7030 and 7033, which transport wastewater from Savage and Burnsville to the Seneca wastewater treatment plant in Eagan. The applicant is applying for a permit to temporarily discharge dredged and fill material into a total of approximately 4.48 acres of wetlands and 0.009 acre of tributaries to the Minnesota River. Within the total 4.48-acre wetland impact, approximately 1.23 acres of forested wetland would be cleared for access purposes.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS:
390 Robert Street North, St. Paul,
MN 55101

AGENT: Mr. Todd Ullom, MFRA,
14800 28th Avenue North, Suite
140, Plymouth, Minnesota 55447

PROJECT LOCATION: The project site is located in Sections 23, 24, 26, 27, and 34, Township 27N., Range 24W., and Sections 17, 18, and 19, Township 27N., Range 23W., Dakota County, Minnesota. The approximate central coordinates are -93.242539W., and 44.808818N. The project corridor follows the alignment of an existing underground sanitary sewer located on the northwest side of an existing railroad, beginning approximately 0.5 mile east of Interstate 35W (I-35W) and running northeast to approximately 1 mile west of Cedar Avenue (Highway 77).

DESCRIPTION OF PROJECT: The Metropolitan Council (Met Council) proposes “Phase II” of repairs to a corroding sanitary sewer line owned Met Council Environmental Services in Burnsville and Eagan. Phase II entails repairs to approximately 23,500 linear feet of sewer lines ranging between 36 and 72 inches in diameter (interceptors 7030 and 7033). Interceptors 7030 and 7033 were constructed in 1971 to transport wastewater from Savage and Burnsville to the Seneca wastewater treatment plant in the City of Eagan. The sewer lines need to be repaired or replaced to prevent pipe failures, as monitoring has revealed system-wide deterioration of the pipelines. Met Council proposes to repair the interceptors using the “cured in place pipe” (CIPP) technique in wetland areas, and the slip-lining technique in upland areas. The CIPP technique involves inserting a corrosion-resistant flexible liner at existing maintenance access structures (manholes), and curing the liner to the inside of the pipe to form a hardened liner. The slip lining technique involves inserting a smaller pipe within the existing pipe; pipes are installed at lengths of approximately 20 feet. The slip lining technique requires 20-foot by 40-foot (roughly) insertion pits at intervals between 3,000 and 6,000 feet. Construction

work would occur within a construction corridor that is generally 30 feet wide and centered on the existing underground pipeline alignment. The construction corridor would widen to about 60 feet at manhole locations. Additionally, a segment where sewer interceptors 8560 and 7030 intersect at a 90-degree angle (located near Manholes 6-1 and 6-2) would be altered to improve flow by reconfiguring the intersection to a 60-degree angle.

The entire project corridor would be accessed through three locations: 1) the west end of the project area, 2) the Black Dog Generating Plant, which is centrally located in the project corridor, and 3) the east end of the project area. Access would occur on top of or immediately adjacent to the existing pipeline alignment. Work is expected to take place from fall 2013 to spring 2015. Temporary pumps and pipelines would be installed to continue the movement of wastewater during construction. The purpose of the project is to restore the structural integrity of the pipelines, improve the hydraulic capacity, and extend the service life of the pipelines.

QUANTITY, TYPE, AND AREA OF FILL: As proposed, the project would result in the temporary discharge of dredged and fill material into approximately 4.48 acres of wetlands, and approximately 0.009 acre of streams. The proposed temporary impacts by aquatic resource type and location are shown on the attached tables (Tables 1-2 of 2). Proposed temporary impacts include the following:

1) A total of approximately 4.28 acres (186,343 square feet) of wetland impacts would occur in 15 areas for the placement of temporary construction mats. Construction mats are needed for site access, to prevent rutting in wetlands, and to provide a stable working surface for equipment. The construction mat access path would be approximately 16 feet wide to accommodate construction equipment, and would be wider in manhole locations. Where possible, access paths would occur on top of the existing interceptor to reduce the disturbance footprint. However, substrate cover over the interceptor is not thick and may be 1-2 feet in some locations. Thus, heavier equipment would be routed off the pipeline and immediately adjacent to the pipeline to avoid pipe damage. The construction mats would remain in place until construction is completed in that area of the project. In some locations, the mats would be in place for under three months, and in others, they may be in place for greater than 6 months.
2) Approximately 0.073 acre (3,200 square feet) of wetlands would be impacted by excavation and backfill of a 40-foot by 40-foot area, and the placement of a temporary stockpile to facilitate the reconfiguration of the 90-degree pipe intersection at Manholes 6-1 and 6-2. Manholes 6-1 and 6-2 would be removed and replaced with Manhole 6-1a. The stockpile would be placed in a 40-foot by 40-foot area, and would be contained with silt fence. The stockpile would not be in place for more than 30 days, and would be used to backfill the excavated area.
3) Approximately 0.122 acre (5,327 square feet) of wetland would be temporarily impacted by the placement of construction mats to create a staging area for equipment and supplies, located adjacent to Manhole 3-5 on the south side of the pipeline. The staging area would be partly located in wetland.
4) Approximately 80 square feet of streams in five locations (total of approximately 400 square feet) would be temporarily impacted by the installation of temporary crossings. The crossings would consist of geotextile fabric on the bottom and sides of the channel, Class V reinforced concrete pipe culverts, and Class I riprap along the sides of the culvert. The crossings would remain in place until the project is complete in each particular location; four of the five crossings are expected to remain in place for greater than three months.

VEGETATION IN AFFECTED AREA: See the attached table (Table 1 of 2) for a breakdown of the wetland types affected by the proposed temporary discharges of dredged and fill material and clearing activities associated with this project. A total of approximately 1.23 acres of forested wetlands would be temporarily converted to emergent habitat by cutting the trees to within several inches of the existing ground surface. Shrub swamp wetland would not be affected by clearing, but shrub vegetation would be cleared in upland areas. The access corridor would not be permanently maintained to exclude trees and shrubs.

Nichols fen is located on the east side of the project corridor, immediately east of Highway 77. Met Council will adhere to the following stipulations recommended by the DNR to avoid negative impacts to Nichols fen: 1) completing work in the fen area in the winter when the ground is frozen; 2) use of temporary construction matting in the wetland; 3) keeping the access route as close to the railroad grade as possible; 4) cleaning all construction equipment prior to entering the fen area to minimize the risk of introduction of non-native or invasive species; 5) avoiding impacts to and providing a buffer around the designated trout stream that runs through Nichols fen, and crossing the stream at an existing culverted crossing; and 6) avoiding or limiting any required dewatering to the area immediately around the existing manhole. Construction mats in the fen would not be in place longer than three months.

SOURCE OF FILL MATERIAL: The fill material associated with this project includes temporary construction mats to stabilize equipment and prevent rutting in wetlands, native site material, and Class I riprap associated with temporary culvert installations.

SURROUNDING LAND USE: The project site is located on the southeast side of the Minnesota River and Black Dog Lake in the Cities of Burnsville and Eagan. Land use is dominated by wetlands throughout the majority of the project area. Highway 77 intersects the project corridor on the east side of the project corridor, and Xcel Energy's Black Dog Plant is located in the center of the project corridor. Southeast of the project corridor, the land is heavily developed with residential, industrial, and commercial areas in Burnsville and Eagan. A heavily developed area of the City of Bloomington (Hennepin County) is located on the northwest side of the Minnesota River, adjacent to the project area.

DESCRIPTION OF STRUCTURE: See the above discussion under "Project Description" for a description of the proposed pipe liners.

DESCRIPTION OF DREDGING OR EXCAVATION: See the above discussion under "Quantity, Type, and Area of Fill" for a description of a proposed excavation area at Manholes 6-1 and 6-2. Depending on need, minor excavation may occur at 10 of the manholes in wetlands to place forms for new manhole covers. The excavation needed to replace manhole covers would result in a disturbed area of 20 feet by 20 feet, to a 1-5 foot depth. This would result in up to 800 square feet of temporary impact at each manhole (400 square feet for excavation and 400 square feet for temporary stockpiling, or 8,000 square feet total at 10 manholes). From a location perspective, these excavations would be included in the temporary impact areas outlined above (i.e. within the same footprint as the proposed temporary construction mats).

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: Potentially toxic materials that could be used at the site include fuels, lubricants, and

solvents. Specific types of products, quantities, and specific applications of these materials were not provided with the application.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: To protect adjacent wetlands, Black Dog Lake, and the Minnesota River from water quality impacts, the applicant would use erosion control measures identified in the Minnesota Pollution Control Agency's (MPCA) Stormwater Best Management Practices Manual, such as silt fence and erosion control blanket. The applicant has indicated that silt fence would be used to stabilize the temporary stockpile of excavated material at Manholes 6-1 and 6-2. Silt fence would be used around all excavation areas to protect adjacent aquatic resources. All disturbed temporary wetland impact areas would be seeded and mulched for permanent stabilization. It is anticipated that a NPDES/SDS Construction Stormwater General Permit and associated SWPPP that describes specifically how stormwater would be controlled would be required by the Minnesota Pollution Control Agency before the project could commence. Also, Section 401 water quality certification would need to be issued or waived by the MPCA prior to project construction, as described under a separate heading of this document.

MITIGATION: The applicant did not propose compensatory mitigation for the proposed temporary wetland and stream impacts, as all temporary impact areas would be restored to pre-existing conditions upon completion of the project. No permanent wetland or stream impacts would occur as a result of this project. All temporary fill in wetlands, including construction mats, stockpiles, and staging areas, would be removed from the project site. All areas disturbed by temporary fills would be disked and smoothed if necessary, seeded with an approved native seed mix, and mulched. All temporary fills in streams (i.e. riprap, culverts, and geotextile fabric) would be removed from the streams. The stream banks would be re-shaped if necessary, seeded with an approved seed mix, and mulched.

3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Sarah Wingert at the St. Paul office of the Corps, telephone number (651) 290 - 5358.

To receive Public Notices by e-mail, go to: http://www2.mvp.usace.army.mil/list_server/ and add your information in the New Registration Box.

4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

None were identified by the applicant or are known to exist in the permit area. However, Dakota County is within the known or historic range of the following Federally-listed threatened (T) and endangered (E) species:

Species	Habitat
Prairie Bush-Clover	Native prairie on well-drained soils
Higgins' eye pearlymussel (E)	Mississippi River

This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

5. JURISDICTION.

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 08-02. We have made an initial determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act and/or Section(s) 9 & 10 of the Rivers and Harbors Act. The Corps will prepare an approved or preliminary jurisdictional determination prior to making a permit decision. Approved jurisdictional determinations are posted on the St. Paul District web page at http://www.mvp.usace.army.mil/Missions/Regulatory.aspx.

THE APPLICANT HAS STATED THAT THE FOLLOWING STATE, COUNTY, AND/OR LOCAL PERMITS HAVE BEEN APPLIED FOR/ISSUED:

1) Minnesota Wetland Conservation Act – Wetland Boundary Decision was approved by the City of Burnsville made on 1/23/2013;

2) Minnesota Department of Natural Resources (MnDNR) – License to Cross State Waters (#144-065-7906), dated 4/16/2013;

3) Calcareous Fen Management Plan is **not** required by DNR per email dated July 1, 2013;

4) U.S. Fish and Wildlife Service (USFWS) – National Wildlife Refuge System General Special Use Permit (pending);

5) Minnesota Pollution Control Agency (MPCA) – NPDES/SDS Construction Stormwater General Permit.

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

Valid Section 404 permits cannot be issued for any activity unless state water quality certification for the activity is granted or waived pursuant to Section 401 of the Clean Water Act. The state Section 401 authority in Minnesota is the Minnesota Pollution Control Agency (MPCA). The St. Paul District has provided this public notice and a copy of the applicant's Section 404 permit application form to the MPCA. If MPCA needs any additional information in order for the Section 401 application to be considered complete by MPCA, the MPCA has indicated that it will request such information from the applicant. It is the permit applicant's responsibility to ensure that the MPCA has received a valid, complete application for state Section 401 certification and to obtain a final Section 401 action from the MPCA.

The MPCA has indicated that this public notice serves as its public notice of the application for Section 401 water quality certification under Minnesota Rules Part 7001. The MPCA has also indicated that the Section 401 process shall begin to commence upon the issuance date of this public notice unless the MPCA notifies both the St. Paul District and the permit applicant to the contrary, in writing, before the expiration date of this public notice.

Any comments relative to MPCA's Section 401 Certification for the activity proposed in this public notice may be sent to:

Minnesota Pollution Control Agency, Resource Management and Assistance Division, Attention: 401 Certification, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

7. HISTORICAL/ARCHAEOLOGICAL.

This public notice is being sent to the National Park Service and the State Archaeologist for their comments. The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. If necessary, the results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

The Corps has received a copy of a written statement from the State Archaeologist, dated March 19, 2013, that the project corridor is immediately adjacent to several recorded burial sites and other archaeological sites. However, the State Archaeologist determined the project has little potential to affect these sites since the project would be restricted to previously disturbed areas. An April 23, 2013 letter from the State Historic Preservation Office indicated an archaeological survey would not be necessary for this project. The latest version of the National Register of Historic Places (NRHP) has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

8. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

9. PUBLIC INTEREST REVIEW.

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use,

navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Chad Konickson
Chief, Southwest Section

Enclosures

NOTICE TO EDITORS: This public notice is provided as background information and is not a request or contract for publication.

2011-04294-SEW, Phase II, Table 1 of 2: Proposed Aquatic Resource Impacts by Aquatic Resource Type

	Aquatic Resource Types				
Impact Types	**Forested Wetland**	**Wet Meadow Wetland**	**Shallow Marsh Wetland**	**Streams**	**Total**
Temporary impacts for excavation/backfill (acre)	0.037	0	0	0	0.04
Temporary impacts stockpiling from excavation areas (acre)	0.037	0	0	0	0.04
Temporary impacts for construction mats (access to existing and proposed structures) (acres)	1.15	2.95	0.18	0	4.28
Temporary impacts for staging area (acre)	0	0.122	0	0	0.12
Vegetation clearing (acres)*	1.23	0	0	0	1.23
Temporary crossings (acre)	0	0	0	0.009	0.01
Total	1.23	3.07	0.18	0.009	4.48

***This impact is located within the construction mat access areas and excavation/backfill areas, so is not included in the totals.**

2011-04294-SEW, Phase II, Table 2 of 2: Proposed Aquatic Resource Impacts by Impact Type (Impact IDs represented on attached Figures X-X.

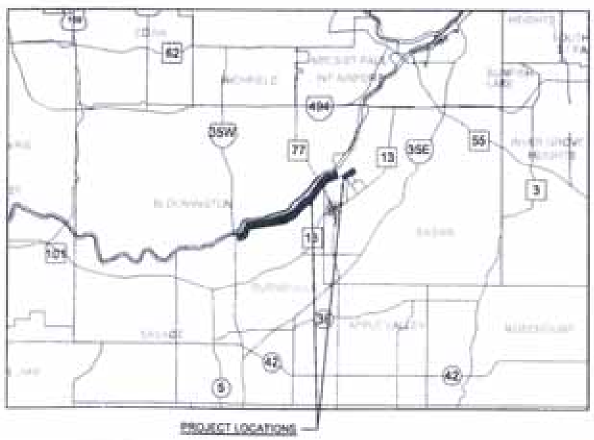
Impact ID	Impact Type (temporary)	Wetland Type	Impact Duration	Impact Area (square feet)
TWI 1	Construction Mats	wet meadow	> 3 months	28,375
TWI 2	Construction Mats	wet meadow	< 3 months	40,513
TWI 3	Construction Mats	shallow marsh	< 3 months	1,680
TWI 4	Excavation/Backfill & Stockpile	forested wetland*	< 3 months	3,200
TWI 5	Staging Area	wet meadow	> 3 months	5,327
TWI 6	Construction Mats	forested wetland*	> 3 months	31,125
TWI 7	Construction Mats	forested wetland*	> 3 months	9,014
TWI 8	Construction Mats	wet meadow	> 3 months	1,368
TWI 9	Construction Mats	wet meadow	> 3 months	15,326
TWI 10	Construction Mats	forested wetland*	< 3 months	1,887
TWI 11	Construction Mats	wet meadow	> 3 months	17,060
TWI 12	Construction Mats	forested wetland*	> 3 months	945
TWI 13	Construction Mats	forested wetland*	> 3 months	3,712
TWI 14	Construction Mats	forested wetland*	> 3 months	3,565
TWI 15	Construction Mats	wet meadow	> 3 months	22,181
TWI 16	Construction Mats	wet meadow	> 3 months	3,614
TWI 17	Construction Mats	shallow marsh	< 3 months	5,978
TSC 1	Culvert & Riprap	stream	> 3 months	80
TSC 2	Culvert & Riprap	stream	> 3 months	80
TSC 3	Culvert & Riprap	stream	> 3 months	80
TSC 4	Culvert & Riprap	stream	> 3 months	80
TSC 5	Culvert & Riprap	stream	< 3 months	80
TOTAL				**195,270**

***Forested wetland would be cleared in the same area noted in the impact column.**

2011-4294-SEW, Figure 1 of 11

BURNSVILLE INTERCEPTOR REHABILITATION
MCES PROJECT 808000
METROPOLITAN COUNCIL CONTRACT 13P103

LOCATION MAP
NO SCALE



VICINITY MAP
NO SCALE

SHEET INDEX

DICIPLINE	SHEET NUMBER	SHEET TITLE DESCRIPTION
GENERAL		
	GI1	TITLE SHEET
	GI2	GENERAL ABBREVIATIONS
	GI3	STANDARD SYMBOLS & IDENTIFICATION INFORMATION
	GI4	GENERAL LEGEND
	GI5	GENERAL NOTES
	GI6	SITE PLAN OVERVIEW
	GI7	DEMOLITION SHEET 1
	GI8	PROJECT ACCESS & STAGING AREAS 1
	GI9	PROJECT ACCESS & STAGING AREAS 2
	GI10	PROJECT ACCESS & STAGING AREAS 3
	GI11	PROJECT ACCESS & STAGING AREAS 4
	GI12	PROJECT ACCESS & STAGING AREAS 5
CIVIL		
	CU1	MCES 7030 MH 6-6 TO MH 6-5 PLAN & PROFILE
	CU2	MCES 7030 MH 6-5 TO MH 6-4 PLAN & PROFILE
	CU3	MCES 7030 MH 6-4 TO MH 6-1 PLAN & PROFILE
	CU4	MCES 8560 & 7030 MH 42 TO MH 4-2 PLAN & PROFILE
	CU5	MCES 7030 MH 4-2 TO MH 4-1 PLAN & PROFILE
	CU6	MCES 7030 MH 4-1 TO MH 3-6 PLAN & PROFILE
	CU7	MCES 7030 MH 3-6 TO MH 3-5 PLAN & PROFILE
	CU8	MCES 7030 MH 3-5 TO MH 3-4 PLAN & PROFILE
	CU9	MCES 7030 MH 3-4 TO MH 3-3 PLAN & PROFILE
	CU10	MCES 7030 MH 3-3 TO MH 3-2 PLAN & PROFILE
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	CU12	MCES 7030 MH 3-1 TO MH 2-7 PLAN & PROFILE
	CU13	MCES 7030 MH 2-7 TO MH 2-6 PLAN & PROFILE
	CU14	MCES 7030 MH 2-6 TO MH 2-4 PLAN & PROFILE
	CU15	MCES 7030 MH 2-4 TO MH 2-3 PLAN & PROFILE
	CU16	MCES 7030 MH 2-3 TO MH 2-2 PLAN & PROFILE
	CU17	MCES 7030 MH 2-2 TO MH 2-1 PLAN & PROFILE
	CU18	MCES 7030 MH 2-1 TO MH 1-6 PLAN & PROFILE
	CU19	MCES 7030 MH 1-6 TO MH 1-5 PLAN & PROFILE
	CU20	MCES 7030 MH 1-5 TO MH 1-4 PLAN & PROFILE
	CU21	MCES 7030 MH 1-4 TO MH 1-3 PLAN & PROFILE
	CU22	MCES 7030 MH 1-3 TO MH 1-2 PLAN & PROFILE
	CU23	MCES 7030 MH 1-2 TO MH 1-1 PLAN & PROFILE
	CU24	MCES 7030 MH 1-1 TO LIFT STATION L13 PLAN & PROFILE
	CU25	MCES 7033 MH 6 TO MH 4 PLAN & PROFILE
	CU26	MCES 7033 MH 4 TO MH 2 PLAN & PROFILE
	CU27	MCES 7033 MH 2 TO MH 1 PLAN & PROFILE
	CU28	MCES 7033 MH 1 TO SENECA WWTP JCT MH PLAN & PROFILE
	CU29	EROSION CONTROL DETAILS
	CU30	SITE DETAILS
	CU31	CIPP DETAILS SHEET 1
	CU32	CIPP DETAILS SHEET 2
	CU33	MCES 7033 & 7032 JCT MH PLANS & SECTIONS
	CU34	SLIP LINING DETAILS SHEET 1
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	CU36	MAINTENANCE ACCESS STRUCTURE SCHEDULE
	CU37	MAINTENANCE ACCESS STRUCTURE MISC DETAILS 1
	CU38	MAINTENANCE ACCESS STRUCTURE MISC DETAILS 2
	CU39	MAINTENANCE ACCESS STRUCTURE MISC DETAILS 3
	CU40	MAINTENANCE ACCESS STRUCTURE MISC DETAILS 4
	CU41	MCES 7030 MH 6-1 & 6-6A ENLARGED PLANS
	CU42	TEMPORARY CONVEYANCE PLAN VIEW 1
	CU43	TEMPORARY CONVEYANCE PLAN VIEW 2
	CU44	TEMPORARY CONVEYANCE PLAN VIEW 3
	CU45	TEMPORARY CONVEYANCE PLAN VIEW 4
	CU46	TEMPORARY CONVEYANCE PLAN VIEW 5
	CU47	TEMPORARY CONVEYANCE PLAN VIEW 6
	CU48	TEMPORARY CONVEYANCE PLAN VIEW 7
	CU49	TEMPORARY CONVEYANCE @ 3-0V-35 & MH 1 @ 7033
	CU50	TEMPORARY CONVEYANCE MISC DETAILS

ISSUED FOR BIDDING

REVISIONS

Brown AND Caldwell

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808000

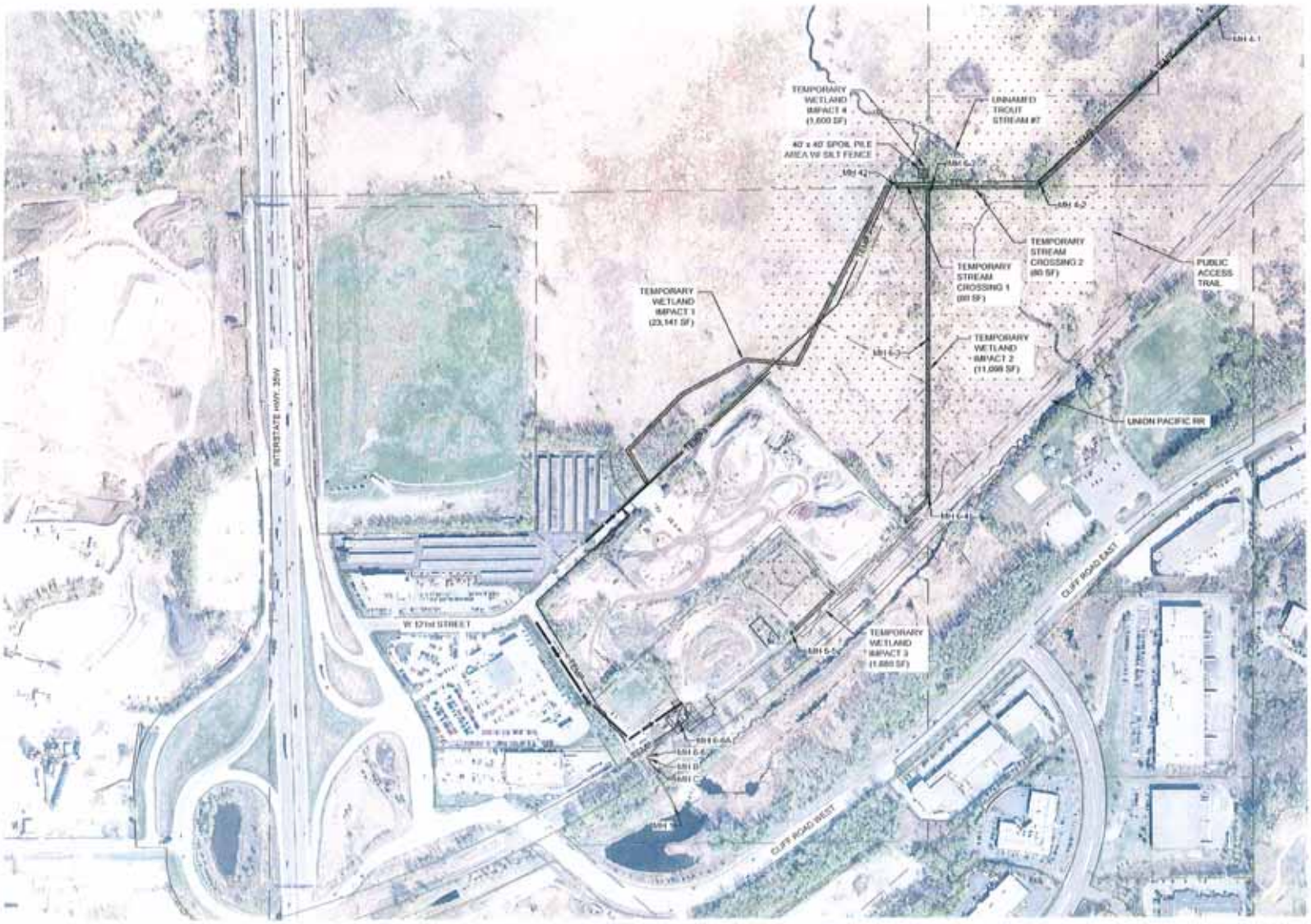
GI0001

BURNSVILLE INTERCEPTOR REHABILITATION

TITLE SHEET

GI1

2011-4294-SEW, Figure 2 of 11



Brown AND Caldwell	808000	BUNKSVILLE INTERCEPTOR REHABILITATION	WI1
	W0001	WETALND IMPACT EXHIBIT 1	

2011-4294-SEW, Figure 3 of 11

Brown AND Caldwell	808000	BURNSVILLE INTERCEPTOR REHABILITATION	WI2
	W80002	WETALND IMPACT EXHIBIT 2	

2011-4294-SEIS, Figure 4 of 11

Brown AND Caldwell	808000	BURNSVILLE INTERCEPTOR REHABILITATION	WI3
	WI0003	WETALND IMPACT EXHIBIT 3	

2011-4294-SEW, Figure 5 of 11

LEGEND:

WETLAND IMPACTS

ACCESS TRAIL

WETLAND

0 200 400

1"=200.0'

Brown AND Caldwell

enfra

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WI0004

BURNSVILLE INTERCEPTOR REHABILITATION

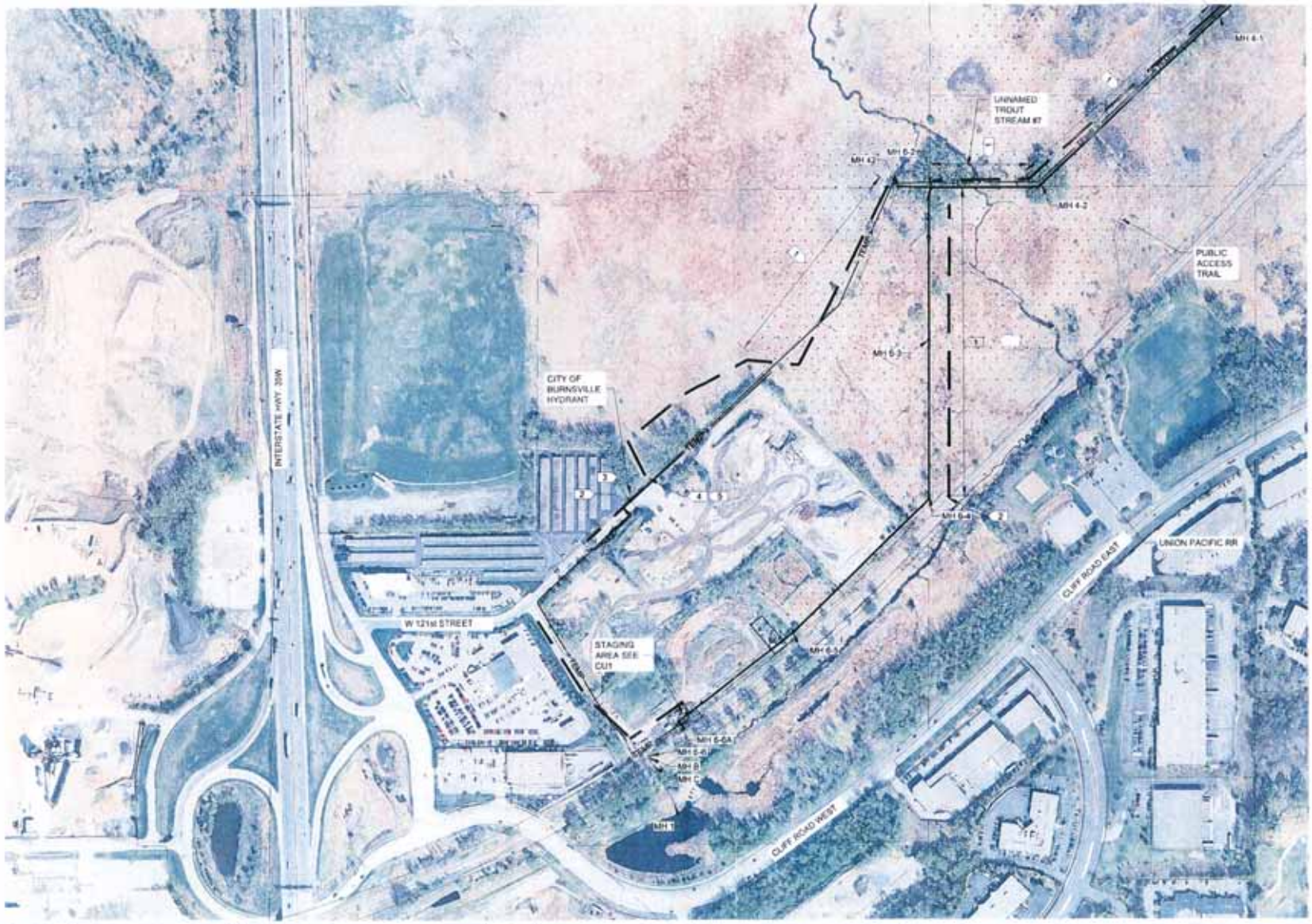
WETALND IMPACT EXHIBIT 4

WI4

2011-4294-SEW, Figure 6 of 11

Brown AND Caldwell	808000	BUNKERVILLE INTERCEPTOR REHABILITATION	WI5
	WI0005	WETALND IMPACT EXHIBIT 5	

2011-4294 - SEIS, Figure 7 of 11



GENERAL NOTES:

1. SEE DETAILS 2/CU30 AND 3/CU30 FOR TEMPORARY DRAINAGE SWALE CROSSINGS AND STREAM CROSSINGS TO BE INSTALLED AS REQUIRED FOR ACCESS AND AS APPROVED BY THE CAR.
2. SEE DETAIL 4/CU30 FOR TEMPORARY ACCESS WIDENING REQUIRED FOR WORK AT MH'S AND AS APPROVED BY THE CAR.
3. WORK WITHIN THIS AREA IS WITHIN THE 100 YEAR FLOOD PLAIN OF THE MINNESOTA RIVER.
4. ALL MATERIALS PLACED WITHIN THE 100 YEAR FLOOD PLAIN INCLUDING BUT NOT LIMITED TO ALL RIP RAP, FILL, TEMPORARY CULVERTS AND GEOTEXTILE FABRIC MUST BE REMOVED PRIOR TO COMPLETION OF THE WORK.
5. ALL CONSTRUCTION ACTIVITY BETWEEN MH 6-4 AND MH 6-1 MUST BE COMPLETED BETWEEN DECEMBER 1ST AND MARCH 15TH. THIS AREA WILL REMAIN AVAILABLE FOR SITE ACCESS BEYOND THESE DATES, HOWEVER ALL INGRESS AND EGRESS WITHIN THIS AREA MUST BE CONFINED TO PROTECTIVE MATS.

KEY NOTES:

1. CONSTRUCTION MATS ARE REQUIRED FOR PROTECTION OF VEGETATION.
2. PROVIDE ACCESS CHAIN AT SITE ACCESS POINT. CHAIN SHALL BE LOCKED AT ALL TIMES WHEN THE CONTRACTOR IS NOT ON SITE. REFER TO DETAIL 1/CU30
3. PROTECT USFWS FIRE CONNECTION
4. REMOVE AND REPLACE ASPHALT CURB AS DIRECTED BY THE CAR
5. REPLACE TWO 3" BURR OAK TREES AT CONCLUSION OF PROJECT

ISSUED FOR BIDDING		Brown AND Caldwell	808000	BURNSVILLE INTERCEPTOR REHABILITATION	GI8
REVISIONS		mfra	GI0008	PROJECT ACCESS & STAGING AREAS 1	

2011-4294-SETJ, Figure 8 of 11

GENERAL NOTES:

1. SEE DETAILS 2/CU30 AND 3/CU30 FOR TEMPORARY DRAINAGE SWALE CROSSINGS AND STREAM CROSSINGS TO BE INSTALLED AS REQUIRED FOR ACCESS AND AS APPROVED BY THE CAR.
2. SEE DETAIL 4/CU30 FOR TEMPORARY ACCESS WIDENING REQUIRED FOR WORK AT MH'S AND AS APPROVED BY THE CAR
3. WORK WITHIN THIS AREA IS WITHIN THE 100 YEAR FLOOD PLAIN OF THE MINNESOTA RIVER.
4. ALL MATERIALS PLACED WITHIN THE 100 YEAR FLOOD PLAIN INCLUDING BUT NOT LIMITED TO ALL RIP RAP, FILL, TEMPORARY CULVERTS AND GEOTEXTILE FABRIC MUST BE REMOVED PRIOR TO COMPLETION OF THE WORK.
5. TREES AND BRUSH SHALL BE REMOVED AS NECESSARY TO PROVIDE ACCESS AND TO EXECUTE THE WORK CONSISTENT WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02100. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS OF TREES AND BRUSH, WHICH ARE NOT SPECIFICALLY DELINEATED ON THE DRAWINGS.
6. NO ACTIVITY WHATSOEVER, INCLUDING PASSAGE ON FOOT, IS ALLOWED WITHIN 660 FEET OF THE EAGLE NEST BETWEEN JANUARY 1ST AND JULY 15TH

KEY NOTES:

1. CONSTRUCTION MATS MAY BE USED AS NECESSARY TO GAIN ACCESS ACROSS UNSTABLE SOILS AND AS APPROVED BY THE CAR.
2. CONSTRUCTION MATS ARE REQUIRED FOR LOAD DISTRIBUTION AND PROTECTION OF BURIED PIPE

N

0 200 400
1" = 200'-0"

			Brown AND Caldwell	808000	BURNSVILLE INTERCEPTOR REHABILITATION
				GI0009	PROJECT ACCESS & STAGING AREAS 2

GI9

2014-4294-SE2, Figure 9 of 11

GENERAL NOTES:

1. SEE DETAILS 2/CU30 AND 3/CU30 FOR TEMPORARY DRAINAGE SWALE CROSSINGS AND STREAM CROSSINGS TO BE INSTALLED AS REQUIRED FOR ACCESS AND AS APPROVED BY THE CAR.
2. SEE DETAIL 4/CU30 FOR TEMPORARY ACCESS WIDENING REQUIRED FOR WORK AT MH'S AND AS APPROVED BY THE CAR.
3. WORK WITHIN THIS AREA IS WITHIN THE 100 YEAR FLOOD PLAIN OF THE MINNESOTA RIVER.
4. ALL MATERIALS PLACED WITHIN THE 100 YEAR FLOOD PLAIN INCLUDING BUT NOT LIMITED TO ALL RIP RAP, FILL, TEMPORARY CULVERTS AND GEOTEXTILE FABRIC MUST BE REMOVED PRIOR TO COMPLETION OF THE WORK.
5. TREES AND BRUSH SHALL BE REMOVED AS NECESSARY TO PROVIDE ACCESS AND TO EXECUTE THE WORK CONSISTENT WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02160. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS OF TREES AND BRUSH, WHICH ARE NOT SPECIFICALLY DELINEATED ON THE DRAWINGS.

KEY NOTES:

1. CONSTRUCTION MATS ARE REQUIRED FOR LOAD DISTRIBUTION AND PROTECTION OF BURIED PIPE.
2. CONSTRUCTION MATS MAY BE USED AS NECESSARY TO GAIN ACCESS ACROSS UNSTABLE SOILS AND AS APPROVED BY THE CAR.
3. NORTH ENTRANCE TO THE XCEL ENERGY BLACK DOG GENERATING STATION AND STAGING AREA FOR CONTRACTOR'S FIELD TRAILER AND PARKING OF PERSONAL VEHICLES. REFER TO SPECIFICATION SECTION 01040 FOR REQUIREMENTS FOR SITE ACCESS AT THIS LOCATION.

N

0 200 400
1"=200'-0"

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Project	808000
File Path	GI0010

BURNSVILLE INTERCEPTOR REHABILITATION

PROJECT ACCESS & STAGING AREAS 3

GI10

2014-4294-SEIS, Figure 10 of 11

GENERAL NOTES:

1. SEE DETAILS 2/CU30 AND 3/CU30 FOR TEMPORARY DRAINAGE SWALE CROSSINGS AND STREAM CROSSINGS TO BE INSTALLED AS REQUIRED FOR ACCESS AND AS APPROVED BY THE CAR.
2. SEE DETAIL 4/CU30 FOR TEMPORARY ACCESS WIDENING REQUIRED FOR WORK AT MH'S AND AS APPROVED BY THE CAR.
3. WORK WITHIN THIS AREA IS WITHIN THE 100 YEAR FLOOD PLAIN OF THE MINNESOTA RIVER.
4. ALL MATERIALS PLACED WITHIN THE 100 YEAR FLOOD PLAIN INCLUDING BUT NOT LIMITED TO ALL RIP RAP, FILL, TEMPORARY CULVERTS AND GEOTEXTILE FABRIC MUST BE REMOVED PRIOR TO COMPLETION OF THE WORK.
5. TREES AND BRUSH SHALL BE REMOVED AS NECESSARY TO PROVIDE ACCESS AND TO EXECUTE THE WORK CONSISTENT WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02100. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS OF TREES AND BRUSH, WHICH ARE NOT SPECIFICALLY DELINEATED ON THE DRAWINGS.

KEY NOTES:

1. CONSTRUCTION MATS MAY BE USED AS NECESSARY TO GAIN ACCESS ACROSS UNSTABLE SOILS AND AS APPROVED BY THE CAR.

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			GI0011	PROJECT ACCESS & STAGING AREAS 4	

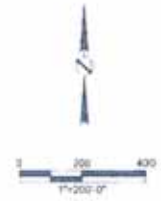
2011-4294-SELJ Figure 11 of 11

GENERAL NOTES:

1. SEE DETAILS 2/CU30 AND 3/CU30 FOR TEMPORARY DRAINAGE SWALE CROSSINGS AND STREAM CROSSINGS TO BE INSTALLED AS REQUIRED FOR ACCESS AND AS APPROVED BY THE CAR.
2. SEE DETAIL 4/CU30 FOR TEMPORARY ACCESS WIDENING REQUIRED FOR WORK AT MH'S AND AS APPROVED BY THE CAR.
3. WORK WITHIN THIS AREA IS WITHIN THE 100 YEAR FLOOD PLAIN OF THE MINNESOTA RIVER.
4. ALL MATERIALS PLACED WITHIN THE 100 YEAR FLOOD PLAIN INCLUDING BUT NOT LIMITED TO ALL RIP RAP, FILL, TEMPORARY CULVERTS AND GEOTEXTILE FABRIC MUST BE REMOVED PRIOR TO COMPLETION OF THE WORK.
5. TREES AND BRUSH SHALL BE REMOVED AS NECESSARY TO PROVIDE ACCESS AND TO EXECUTE THE WORK CONSISTENT WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02100. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS OF TREES AND BRUSH, WHICH ARE NOT SPECIFICALLY DELINEATED ON THE DRAWINGS.

KEY NOTES:

1. CONSTRUCTION MATS ARE REQUIRED FOR PROTECTION OF VEGETATION.
2. CONSTRUCTION MATS MAY BE USED AS NECESSARY TO GAIN ACCESS ACROSS UNSTABLE SOILS AND AS APPROVED BY THE CAR.
3. ALL CONSTRUCTION ACTIVITY WITHIN THE CALCEREOUS FEN SHALL BE COMPLETED BETWEEN JANUARY 1ST AND FEBRUARY 15TH.
4. ALL ACTIVITY WITHIN THE CALCEREOUS FEN SHALL COMPLY WITH MN DNR OPERATIONAL ORDER #113 INCLUDED IN APPENDIX A OF THE SPECIFICATIONS.



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	GI0012	PROJECT ACCESS & STAGING AREAS 5	