

Information for File #2015-00711-TJH

Applicant: North Pine Area Hospital Dist.

Corps Contact: Tom Hingsberger

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Phone: (651) 290-5367

Primary County: Pine

Location: sec. 16, T. 24 N., R. 20 W.; 46.120209, -92.883657

Information Complete On: December 11, 2015

Posting Expires On: January 18, 2016

Authorization Type: This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:
<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

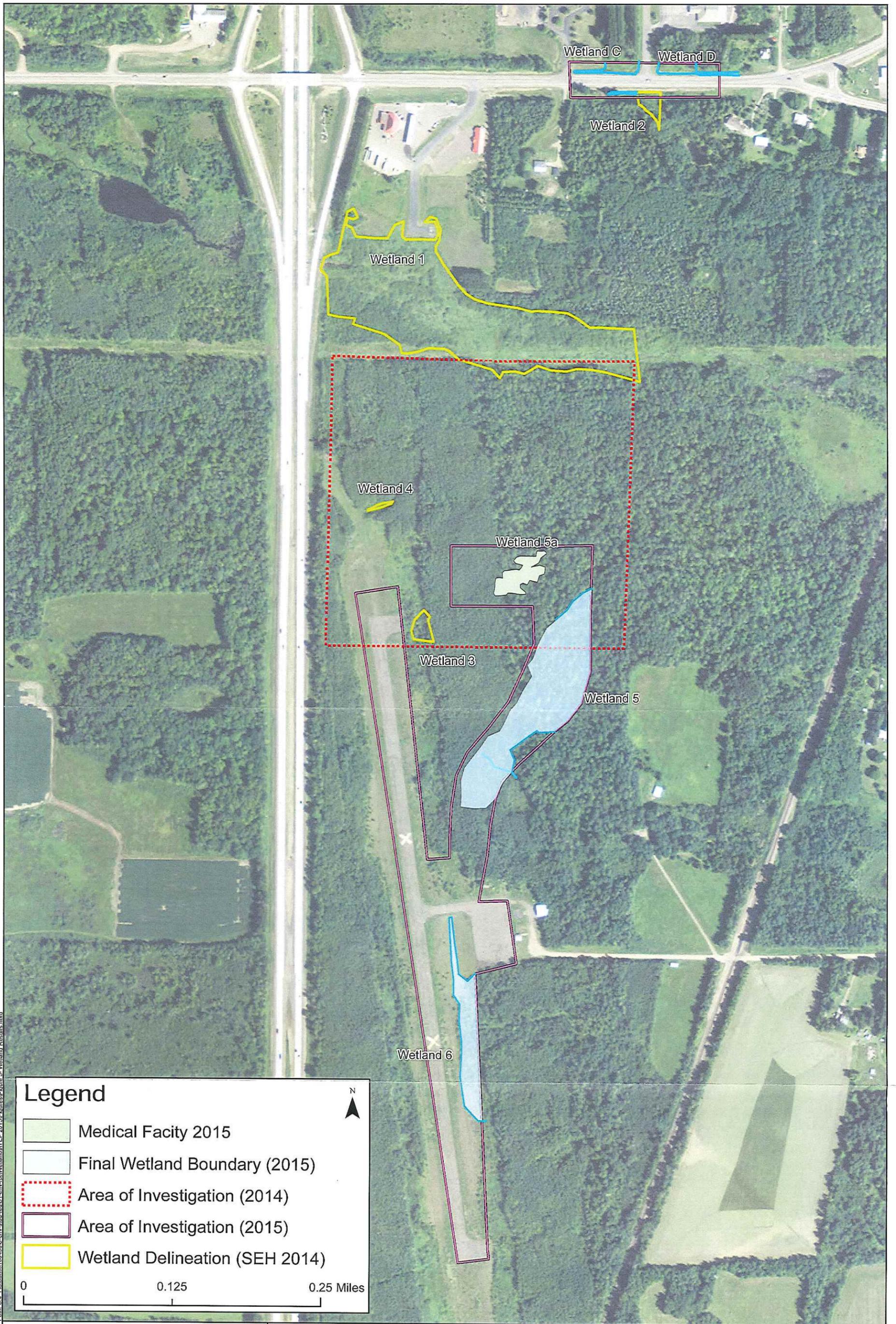
Project Description and Purpose: The applicant proposes to discharge fill material into 0.76 acre of wetlands for the construction of the Pine Medical Center. The proposed medical facility includes buildings, parking facilities, and a helipad. The Pine Medical Center will be designed as a Critical Access Hospital, which requires fast ambulance and emergency vehicle access from I-35 and Highway 23. Activities requiring Department of the Army authorization associated with the construction of a new road and sanitary and storm water utilities are being reviewed under separate application (see LOP posting for 2015-00707-TJH).

Name, Area and Types of Waters Subject to Loss: The project would result in permanent fill impacts to 0.76 acre of wetlands. Three separate wetlands would be impacted consisting of shrub carr, fresh (wet) meadow, and seasonally flood basin types.

Alternatives Considered: The applicant considered upgrading the existing hospital in Sandstone to a Critical Access Hospital but rejected this alternative because it was determined the existing facility did not have sufficient space to meet current needs. The applicant has also included information regarding minimizing impacts to wetlands through the elimination of a trail proposed in earlier hospital designs. Given constraints imposed by the amount and location of wetlands throughout the site the applicant believes that they have avoided and minimized these impacts to the greatest extent practicable.

Compensatory Mitigation: The applicant has proposed to purchase 0.77 wetland mitigation credit from a Corps approved mitigation bank for permanent losses of wetlands associated with the project. The proposed mitigation bank is located in the same bank service as the impacts and would the mitigation credits would be same type as those impacted.

See attached drawings.



Legend

- Medical Facility 2015
- Final Wetland Boundary (2015)
- Area of Investigation (2014)
- Area of Investigation (2015)
- Wetland Delineation (SEH 2014)

0 0.125 0.25 Miles

Path: S:\PTIS\SANST130430\env\map\Wetlands\TEP 2015\Figures\Figure 5- Wetland Results.mxd



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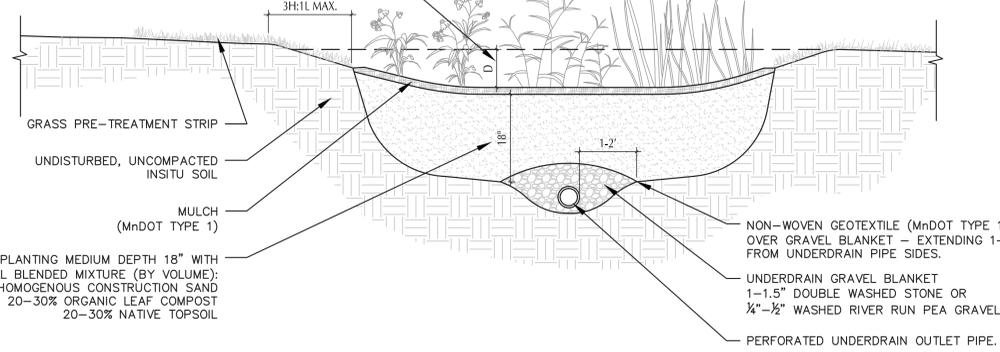
Project: SANST 130430
Print Date: 10/2/2015
Map by: rbeduhn
Projection: NAD 83 Zone 15N
Source: SEH, USGS, NRCS,
USDA, ESRI

Overall Wetland Results
Lundorff Drive Extension and Pine Medical Center
Sandstone, Minnesota

Figure 5

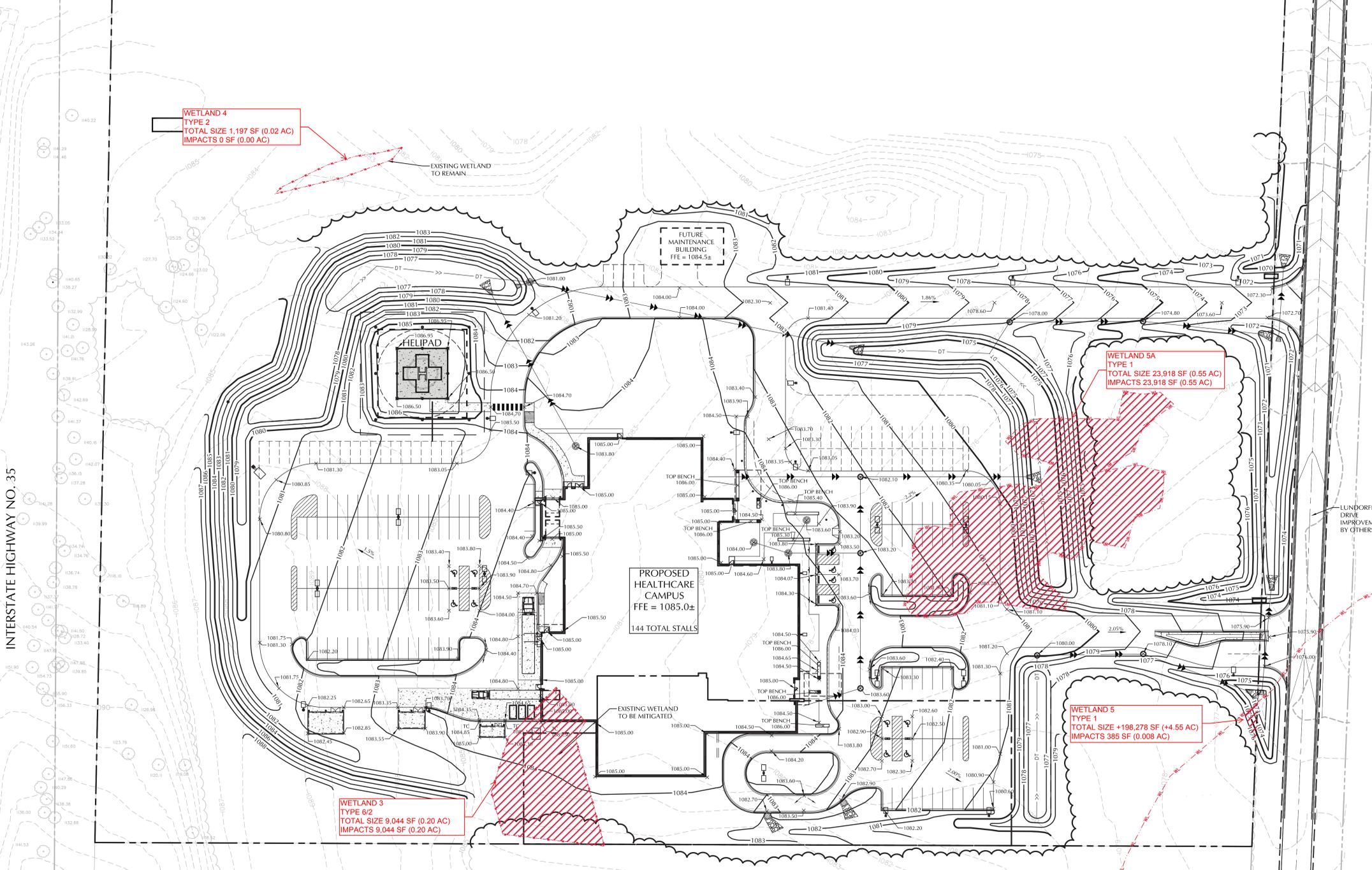
This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources listed on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigational, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.

DEPTH REQUIRED TO DRAIN PRACTICE IN 48 HOURS OR LESS, NOT TO EXCEED 18"-24"



MIN. PLANTING MEDIUM DEPTH 18" WITH A WELL BLENDED MIXTURE (BY VOLUME):
50-60% HOMOGENOUS CONSTRUCTION SAND
20-30% ORGANIC LEAF COMPOST
20-30% NATIVE TOPSOIL

1 BIOFILTRATION BASIN
SCALE: 1/2" = 1'-0"



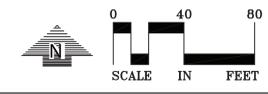
- CONSTRUCTION SEQUENCING**
1. INSTALL SILT FENCE AND/OR OTHER APPROPRIATE TEMPORARY EROSION CONTROL DEVICES TO PREVENT SEDIMENT FROM LEAVING OR ENTERING THE PRACTICE DURING CONSTRUCTION.
 2. ALL DOWN-GRADE PERIMETER SEDIMENT CONTROL BMP'S MUST BE IN PLACE BEFORE ANY UP GRADIENT LAND DISTURBING ACTIVITY BEGINS.
 3. PERFORM CONTINUOUS INSPECTIONS OF EROSION CONTROL PRACTICES.
 4. INSTALL UTILITIES (WATER, SANITARY SEWER, ELECTRIC, PHONE, FIBER OPTIC, ETC) PRIOR TO SETTING FINAL GRADE OF BIORETENTION DEVICE.
 5. ROUGH GRADE THE SITE. IF BIORETENTION AREAS ARE BEING USED AS TEMPORARY SEDIMENT BASINS LEAVE A MINIMUM OF 3 FEET OF COVER OVER THE PRACTICE TO PROTECT THE UNDERLYING SOILS FROM CLOGGING.
 6. PERFORM ALL OTHER SITE IMPROVEMENTS.
 7. SEED AND MULCH ALL AREAS AFTER DISTURBANCE.
 8. CONSTRUCT BIORETENTION DEVICE UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA.
 9. IMPLEMENT TEMPORARY AND PERMANENT EROSION CONTROL PRACTICES.
 10. PLANT AND MULCH BIORETENTION DEVICE.
 11. REMOVE TEMPORARY EROSION CONTROL DEVICES AFTER THE CONTRIBUTING DRAINAGE AREA IS ADEQUATELY VEGETATED.

- GENERAL NOTES**
1. IN THE EVENT THAT SEDIMENT IS INTRODUCED INTO THE BMP DURING OR IMMEDIATELY FOLLOWING EXCAVATION, THIS MATERIAL SHALL BE REMOVED FROM THE PRACTICE PRIOR TO CONTINUING CONSTRUCTION.
 2. GRADING OF BIORETENTION DEVICES SHALL BE ACCOMPLISHED USING LOW-COMPACTION EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF UNDERLYING SOILS.
 3. ALL SUB MATERIALS BELOW THE SPECIFIED BIORETENTION DEPTH (ELEVATION) SHALL BE UNDISTURBED, UNLESS OTHERWISE NOTED.

HYDROLOGY NOTES

STORAGE REQUIRED:
PROPOSED IMPERVIOUS AREA = 4.60 AC = 200,409 SF
REQUIRED STORAGE
200,409 SF (1") = 16,705 CF

STORAGE PROVIDED:
NORTHWEST BASIN 1077-1078 = 6,306 CF
NORTHEAST BASIN 1075-1076 = 8,475 CF
SOUTHEAST BASIN 1077-1078 = 2,680 CF
TOTAL VOLUME PROVIDED = 17,461 CF



NOTE:
EXISTING CONDITIONS INFORMATION IS A COMBINATION OF TOPO SURVEY INFORMATION PREPARED BY SEH, DATED JUNE, 2015 AND A BOUNDARY SURVEY PREPARED BY METRO LAND SURVEYING DATED AUGUST, 2001.

EXISTING	CIVIL LEGEND	PROPOSED
○	SANITARY MANHOLE	●
○	STORM MANHOLE	●
○	CATCH BASIN	○
○	CLVERT	○
○	HYDRANT	○
○	GATEVALVE	○
○	POST INDICATOR VALVE	○
○	LIGHT POLE	○
○	POWER POLE	○
○	SIGN	○
○	BENCHMARK	○
○	SOIL BORINGS	○
○	WATER MANHOLE	○
○	TELEPHONE MANHOLE	○
○	UTILITY MANHOLE	○
○	ELECTRIC MANHOLE	○
○	WATER SERVICE	○
○	SANITARY SERVICE	○
○	HANDICAP PARKING	○
○	DIRECTION OF FLOW	○
○	SPOT ELEVATION	○
○	CONTOURS	○
○	SANITARY SEWER	○
○	STORM SEWER	○
○	WATERMAIN	○
○	FORCEDMAN	○
○	DRAIN TILE	○
○	SILT FENCE	○
○	SUMP & GUTTER	○
○	RETAINING WALL	○
○	TREELINE	○
○	EXISTENCE LINE	○
○	SETBACK LINE	○
○	FENCE LINE	○
○	UNDERGROUND TELE	○
○	UNDERGROUND GAS	○
○	OVERHEAD UTILITY	○
○	UNDERGROUND FIBER OPTIC	○
○	UNDERGROUND ELECTRIC	○
○	UNDERGROUND CABLE TV	○
○	PROPERTY LINE	○
○	CONIFEROUS TREE	○
○	DECIDUOUS TREE	○
○	PARKING COUNTS	○

GRADING, DRAINAGE & EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF BUILDINGS, VESTIBULES, SLOPED PAVING, EXIT PORCHES, RAMPS, TRUCK DOCKS, ENTRY LOCATIONS AND LOCATIONS OF DOWNCOURTS.
2. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 6 INCHES OF TOP SOIL AND SOD OR SEED. THESE AREAS SHALL BE WATERED BY THE CONTRACTOR UNTIL THE SOD OR SEED IS GROWING IN A HEALTHY MANNER.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THIS PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPROPRIATE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARDS.
5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
6. THE DUTY OF THE ENGINEER OR THE DEVELOPER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTORS PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
7. BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL INSTALL A TEMPORARY ROCK ENTRANCE PAD AT ALL POINTS OF VEHICLE EXIT FROM THE PROJECT SITE. SAID ROCK ENTRANCE PAD SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. SEE DETAILS SHOWN ON SHEETS 250.CD & 251.CD OF THE PROJECT PLANS.
8. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ESTABLISHED AROUND THE ENTIRE SITE PERIMETER AND IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, CITY REQUIREMENTS, AND THE DETAILS SHOWN ON SHEET 250.CD & 251.CD OF THE PROJECT PLANS.
9. ALL ENTRANCES AND CONNECTIONS TO CITY STREETS SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND NOTIFICATIONS AS REQUIRED BY THE CITY.
10. SEE UTILITY PLAN AND STORM SEWER PROFILES FOR FURTHER DETAIL REGARDING THE STORM SEWER.



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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.

Name: *[Signature]*
Date: 09/16/2015 Reg. No. 44613

Item	Date
SD ISSUE	02/18/2015
DD ISSUE	05/01/2015
CD QA	06/15/2015
CD ISSUE	07/01/2015
ADDENDUM 1	07/27/2015
PR-01	09/16/2015

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The bar above is 1" long on a Full Size Sheet.
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Keyplan

Comm. No. 32014203.00 Drawn MDC/PJD
Sheet Title

GRADING & DRAINAGE PLAN

Sheet No.

230.CG



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COORDINATE 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.