

Highland Arena Parking Lot Improvements *including SPRWS Reservoir Demolition*

PROJECT UPDATE
May 25, 2021



Disruption Avoidance Plan

Key Points:

- Maintaining safe access to the arena for the public
- South parking lot work will occur first, then north parking lot work
 - Description of anticipated parking lot closures
- Identified underground chamber system area of north parking lot (within fenced area)
- Maintaining safe work areas, construction entrances, and perimeter fencing for reservoir demolition



Look Ahead Schedule attached

Highlights:

- Tree removal and demolition of the reservoir started May 20, 2021
 - Demolition, export, and earthwork at former reservoir area will continue into August
- Sidewalk and work in the south parking lot area starting week of June 7, 2021 – *anticipating receipt of required permits on June 3, 2021*



3701 WAYZATA BLVD SUITE 100
MINNEAPOLIS, MN 55416-3791
PH: 763-475-0010
www.srfconsulting.com

PREPARED FOR

PROJECT

HIGHLAND ARENA PARKING LOT IMPROVEMENTS

800 SNELLING AVE SOUTH, ST PAUL, MN 55116

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.

Signature Name:

MICHAEL C. AARON

Print Name:

Date: XXXXX Lic. No.: 25721

ISSUE RECORD

| NO. | DATE | DESCRIPTION |
|-----|------------|----------------|
| 1 | 11-04-2020 | D.D. SET |
| 2 | 01-29-2021 | REVISED DD SET |

PROJECT INFO

DRAWN: N. SCHAUFENBUEL
DESIGNED: N. SCHAUFENBUEL
CHECKED: M. AARON
PROJECT NO: 13766

SHEET TITLE

REMOVALS PLAN

SHEET

C2.0

EXISTING CONDITIONS AND SITE REMOVALS NOTES

- EXISTING CONDITIONS BASED ON SURVEY.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION, AND NOTIFYING THE CIVIL ENGINEER AND OWNER IMMEDIATELY OF ANY DISCREPANCIES. THIS INCLUDES, BUT NOT LIMITED TO, TOPOGRAPHY, ELEVATIONS, UTILITIES, VEGETATION, AND OTHER RELATED ITEMS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL UTILITY LOCATIONS. THE CONTRACTOR SHALL SUBMIT A TICKET FOR PUBLIC UTILITY LOCATES 48 HOURS PRIOR TO ANY GRADING, EXCAVATION, OR UTILITY WORK THROUGH "GOPHER STATE ONE CALL" (CSOC) AT WWW.GSOCSUBMIT.ORG, OR CALLING 811, ALONG WITH ANY FOLLOW-UP TO MISSING INFORMATION. THE CONTRACTOR MUST HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE PRIVATE UTILITIES IN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTOR SHALL PLACE ALL NECESSARY EROSION CONTROL MEASUREMENTS AND STORMWATER POLLUTION PREVENTION MEASURES. SEE EROSION CONTROL PLAN AND STORMWATER POLLUTION PREVENTION PLAN.
- CONTRACTOR SHALL COORDINATE LIMITS OF REMOVALS WITH PROPOSED CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, REPAIRING, OR REPLACING ANY ITEMS DAMAGED BY CONSTRUCTION. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES. PROVIDE SMOOTH TRANSITION OF ANY REPAIRS OFF-SITE.
- CONTRACTOR SHALL DEMOLISH AND REMOVE ALL ITEMS ILLUSTRATED ON THESE PLANS. THIS INCLUDES ITEMS SUCH AS BUILDINGS, ACCESSORIES, UNDESIRED SOIL, AND OTHER RELATED ITEMS. VERIFY ALL SOIL CORRECTIONS WITH GEOTECH REPORT AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE. HAUL AND DISPOSE OF ALL REMOVAL ITEMS OFF-SITE.
- CONTRACTOR SHALL REMOVE, REPAIR AND/OR RELOCATE EXISTING PRIVATE OR PUBLIC UTILITIES AS NECESSARY, WHETHER STATED ON THE PLANS OR NOT, INCLUDING ANY RELATED PERMITS AND FEES. CONTRACTOR TO COORDINATE AND RECEIVE APPROVAL FOR ACTIVITIES WITH OWNER AND UTILITY COMPANIES BEFORE STARTING WORK.
- REMOVE ALL TREES AND VEGETATION WITHIN THE CONSTRUCTION LIMITS, OR AS NOTED. STRIP TOPSOIL, STOCKPILE, AND REDISTRIBUTE PER APPROVED PLAN.
- CONSTRUCTION FENCING SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO REMAIN, OR AS ILLUSTRATED, WITHIN LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT. NO DETRIMENTAL CONDITIONS TO OCCUR AT TREE PRESERVATION AREAS, SUCH AS STORAGE OF MATERIALS, CHEMICAL WASH, OR EXCAVATION.
- R SHALL PROVIDE ALL STAGING AND TEMPORARY TRAFFIC CONTROL FOR THE PROJECT, AS APPROVED BY THE OWNER AND GOVERNING AGENCY. PROVIDE PROTECTION TO ADJACENT PROPERTIES AND STREETS, OR AS DIRECTED BY PROPERTY OWNER.
- R SHALL PROVIDE TEMPORARY CONDITIONS, SUCH AS CONSTRUCTION TRAILER, TEMPORARY FENCING, AND OTHER SECURITY MEASURES FOR THE LENGTH OF THE PROJECT.
- ALL CONSTRUCTION PERMITS, APPLICATIONS AND FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- FOR ANY SALVAGE AND/OR REINSTALL ITEMS, CONTRACTOR TO PROVIDE ALL WORK RELATED TO RE-LOCATION (TEMP AND PERMANENT), STORAGE, AND PROTECTION.

Will maintain and accommodate access to water tower, cell phone cabinets, etc. as needed during project

Underground chamber work area - August 2021

Traffic Route to south lot; rearranged/rerouted as needed to complete work

Main Entry Door Work August 2021

Entry to building at this location will be maintained while work is being done

Construction Entrance with Gate

REMOVAL LEGEND

| | |
|-----------|---|
| --- | PROPERTY LINE |
| --- | EXISTING TOPOGRAPHY TO REMAIN (GRAY/FADED LINEWORK, TYP.) |
| --- | ITEMS TO BE REMOVED (BLACK LINEWORK, TYP.) |
| [Pattern] | REMOVE BITUMINOUS PAVEMENT |
| [Pattern] | REMOVE CONCRETE PAVEMENT |
| [Pattern] | REMOVE AGGREGATE SURFACE |
| [Pattern] | CLEAR AND GRUB (AREA) |
| [Pattern] | REMOVE CONCRETE STRUCTURE OR CONCRETE DRAINAGE FLUME |
| X | CLEAR AND GRUB (TREE) |
| (X) | TREE PROTECTION |
| [Pattern] | SAWCUT PAVEMENT (FULL-DEPTH) |
| [Pattern] | REMOVE CURB AND GUTTER |
| [Pattern] | REMOVE CHAIN-LINK FENCE |
| [Pattern] | LIMITS OF DISTURBANCE |
| [Pattern] | FULL DEPTH RECLAMATION |

Parking Lot CLOSED
6/14/21 - 7/9/2021
7/10/21 - 7/30/21 CLOSED
during working hours only
Access building by walking from North parking lot

Perimeter Fence

* Project Hours will be 7:00am - 3:30pm
* Staging will be within work zones

Parking Lot to remain OPEN, construction activities to be coordinated with facility July/August work

Parking Lot Access (will be rerouted as needed for completing parking lot work)

Main access points to reservoir area (approximate); likely hauling down Ford Parkway

CUT AND PLUG 20" WATER LINE FILL WITH SAND/CLSM
REMOVE CONCRETE STRUCTURE

REMOVE 20" CAST IRON WATER LINE

SALVAGE 36" BF AND CUT OFF PIPE AT THIS LOCATION REMOVE THE PORTION TO THE EAST AS SHOWN

REMOVE CONCRETE STRUCTURE

Reservoir Work
5/20/21 - 8/26/21 (Demo/Export
5/20/21 - 7/16/21)

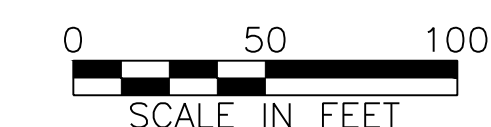
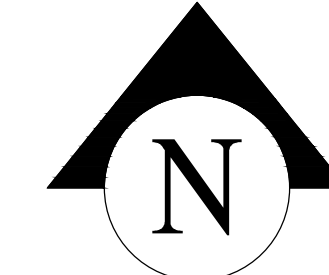
ALTERNATE BID ITEM #1
DECOMPACT THE EXISTING SOIL BENEATH THE RESERVOIR TO A DEPTH OF 24"

REMOVE EXISTING UNDERGROUND RESERVOIR CONTRACTOR TO FIELD VERIFY SIZE AND LOCATION EXISTING RESERVOIR IS ESTIMATED TO BE 10 MILLION GALLONS

REMOVE

REMOVE ELECTRIC LINES

REMOVE CONCRETE STRUCTURE



Highland Arena Parking Lot Improvements/SPRWS Reservoir Demolition 20818

| Activity Description | Sched Start Date | Activity Start Date | 24-May | 25-May | 26-May | 27-May | 28-May | 29-May | 30-May | 31-May | 1-Jun | 2-Jun | 3-Jun | 4-Jun | 5-Jun | 6-Jun | 7-Jun | 8-Jun | 9-Jun | 10-Jun | 11-Jun | 12-Jun | 13-Jun | 14-Jun | 15-Jun | 16-Jun | 17-Jun | 18-Jun | 19-Jun | 20-Jun | 21-Jun | 22-Jun | 23-Jun | 24-Jun | 25-Jun | 26-Jun | 27-Jun | Sched Comp Date | Actual Comp Date | Notes | |
|-------------------------------------|------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|------------------|-------|--|
| | | | mon | tue | wed | thu | fri | sat | sun | mon | tue | wed | thu | fri | sat | sun | mon | tue | wed | thu | fri | sat | sun | mon | tue | wed | thu | fri | sat | sun | mon | tue | wed | thu | fri | sat | sun | | | | |
| Reservoir | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remove Trees | 5/20/2021 | 20-May | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Install Erosion Control Measures | 5/24/2021 | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Demo and export Reservoir | 5/24/2021 | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | | | | |
| Export Excess from Pond | 6/3/2021 | | | | | | | | | | | | | | | | | | | | | | | X | X | X | X | X | | | X | X | X | X | X | | | | | | |
| Finish Grading Pond | 6/7/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Lot | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Demo upper Walk to Arena | 6/7/2021 | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| Install New conc walk to main entry | 6/17/2021 | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | 18-Jun | | | | |
| Demo South lot, Stairs and Walks | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | |
| Install New Stairs | 6/17/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | X | X | X | | | | 23-Jun | | | | |
| Install below Grade Utilities. | 6/17/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | X | X | X | X | X | | 25-Jun | | | | |
| Inst, Belw Grade Elec and Bollards. | 6/17/2021 | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | X | X | X | X | X | | | 25-Jun | | | | |
| Sub Base grade South lot Curbs | 6/24/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | 25-Jun | | | | |
| Place South Lot Curbs | 6/28/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29-Jun | | | | |
| South Lot Base Course Fine Grade | 7/5/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6-Jul | | | |
| Install Base Course | 7/8/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9-Jul | | | |
| Place New Walks South Lot | 7/12/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16-Jul | | | |
| Trash Enclosure Pad | 7/12/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16-Jul | | | |
| Trash Enclosure | 7/19/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23-Jul | | | |
| Install Site Lighting | 7/26/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30-Jul | | | |
| Retaining wall. | 8/2/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13-Aug | | | |
| Bike Racks | 8/2/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3-Aug | | | |
| North Lot | 7/14/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Install Drainage System and rock | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reclaim Lot | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Main Entry New Doors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Field Verify and Order new doors | 4/26/2021 | 30-Apr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead Time for fabrication | 4/26/2021 | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X | | | | | | |
| Demo Old and install new doors | 6/8/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |