GENERAL NOTES:

PROJECT: PREFABRICATED ACCESSIBLE Restroom, Noerenberg Gardens

OWNER: THREE RIVERS PARK DISTRICT

MANAGER: NATHANIEL STRAKA

1. THREE RIVERS PARK DISTRICT WILL BE RESPONSIBLE FOR ALL FIELD SURVEYING. A MINIMUM NOTICE OF 48 HOURS SHALL BE REQUIRED FOR ANY SURVEY REQUEST. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS IN PROTECTING SURVEY STAKING DURING CONSTRUCTION ACTIVITIES.

2. CONTRACTOR SHALL STAY WITHIN THE CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING CONSTRUCTION OPERATIONS.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES, UTILITIES, TREES, SITE AMENITIES, ETC. FROM DAMAGE DURING CONSTRUCTION.

4. CONTRACTOR TO WORK OUTSIDE OF DIRT ZONE OF TREES, EXCEPT IN AREAS AS DESIGNATED BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE, AT THE CONTRACTOR’S EXPENSE.

5. Stockpile locations, material and equipment storage locations are to be field verified with owner prior to construction.

6. The subsurface utility information on these plans is depicted to utility quality level “D”. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled “Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.”

7. The exact location of underground utilities such as gas, telephone, fiber optic, electronic, cable TV, and pipe lines are unknown. In accordance with Minnesota State Statute 2164 and Rules Chapter 7560, the contractor shall contact Gopher State One Call before commencing excavation: 1-800-252-1166.

8. The relocation and or protection of all existing utilities must be coordinated by the contractor and any costs for such work shall be the responsibility of the contractor. No additional compensation will be allowed for extra time and effort or provisions necessary to work around or under any utilities.

9. Dimensions illustrated in typical sections reflect preferred minimums and shall not be used as the sole basis of bid. Refer to drawings and resolve any discrepancies with engineer/lancape architect in field at time of staking.

10. Coordination with other site contractors is considered incidental to the contract and shall be the responsibility of the general contractor as described in the project specifications.

11. The contractor shall maintain adjacent property and city streets continuously clean from dirt and debris during all operations a daily basis. All costs associated with property and street cleaning shall be considered incidental.

12. All exposed soil areas with a continuous positive slope within 200 linear feet of a surface water must have temporary erosion control protection or permanent cover for the exposed soil areas year round. Areas that are being disturbed but not actively being worked shall receive temporary seeding and or mulching within three days. These areas include constructed storm water management pond side slopes and any exposed soil areas with a positive slope to a storm water conveyance system such as a curb and gutter system, storm sewer inlet, temporary or permanent drainage ditch or other natural or man-made systems that discharge to a surface water. Temporary stockpiles without significant amounts of silt, clay, or organic components (i.e. clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) are exempt from this requirement.

13. If the contractor does not complete temporary mulching as specified, three rivers park district or their authorized representative shall notify the contractor in writing that he has 24 hours to complete the temporary mulching and or/vegetation or the contractor shall be subject to a $500 deduction per day of non-compliance.

14. All seeded areas to have 6” of topsoil, either salvaged or imported. Subsoil shall be in a loose condition for a uniform depth of at least 6” prior to topsoil placement (site representative or owner to verify). Imported topsoil will not be accepted without prior approval by owner.

15. Inspect silt fence immediately following each runoff event. Any required repairs should be made immediately. When sediment deposits reach approx. two-third the height of the silt fence, remove silt fence or install a second row of silt fence at contractor’s expense.

16. The contractor shall install permanent seeding within three days of final grading operations.

17. The information provided in this plan set is for bidding purposes and verification of critical layout dimensions. The owner reserves the right to revise the project layout to avoid unforeseen contraints, such as mature trees, soil conditions, etc. Changes in bid quantities will be based on a per unit basis for unit bid items on the bid form.

18. All site improvements shall be field staked according to plan and the contractor shall meet with the owner to review stakes and make adjustments necessary prior to any work being done.
West Swale Profile

Grades Break STA = 0+00.00
Low Pt. STA: 0+13.57
Low Pt Elevation: 941.05
Elevation = 941.522

BVCS: 0+06.03
EVCS: 0+13.57
BVCE: 941.33
EVCE: 941.05

AD: 7.07%
VC: 7.537

Low Pt. STA: 0+62.03
Low Pt Elevation: 940.80

BVCS: 0+35.41
BVCE: 941.01

AD: 8.07%
VC: 7.985

Driveway Profile

Grades Break STA = 0+36.15
PVI STA: 0+23.96
PVI Elevation: 940.56
AD: -1.59%
VC: 13.667

Grades Break STA = 0+37.13
PVI STA: 0+68.37
PVI Elevation: 940.55
AD: 2.29%
VC: 14.666

DRAINAGE SWALE
See profile to left.

Existing Paver Walkway

Concrete Pavers. See Detail 1B-4, C801

Elevation Note
XXX.XX Existing Elevation
XXX.XX Proposed Elevation

Grading Limits

Horizontal Insulation Extents

Drainage Swale
See dry swale typical section ERO-1, C801

Rim: 941.07
Insulation: 921.82 6" PVC
MH-1
STA: 0+55.63

WARNING
STATE ONE CALL BEFORE DIGGING.
1-800-252-1166

Prefabricated Accessible Restroom
Noerenberg Gardens, Orono, MN
Sheet 4 of 08

Project: Noerenberg Gardens
3000 XENIUM LANE NORTH
PLYMOUTH, MINNESOTA 55441
763-559-9000 PHONE
763-557-5248 FAX
NAME: JOSHUA BOWE
DATE: 1/22/2021        REG. NO.46230

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER STATE OF MINNESOTA.

NAME: JOSHUA BOWE
DATE: 1/22/2021        REG. NO.46230

Drawn By
Designed By
Issue Date
Checked By

Prefabricated Accessible Restroom
Noerenberg Gardens, Orono, MN
Sheet 4 of 08
REVISIONS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 1/22/2021        REG. NO. 46230

LOCALITY: 3000 XENIUM LANE NORTH
PLYMOUTH, MINNESOTA 55441

DEPARTMENT OF DESIGN
763-559-9000 PHONE
763-557-5248 FAX

NAME: JOSHUA BOWE

DETAILS

TYPICAL PAVER SECTION

ENTIRE TYPICAL PAVER SECTION INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

NOTES:

1. PROVIDE RIGID PAVER BLOCK RESTRAINT AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PROVIDE POLYMERIC JOINT SAND AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FINAL TOP OF JOINT SAND SHALL BE FLUSH W/ BOTTOM OF PAVER BLOCK BEVEL.

2. 2 3/8" CONCRETE PAVER BLOCKS TO BE SELECTED DRAINAGE BLOCK EXTERIOR DESIGN (MnDOT SPEC 212)

TR-6

C801

TYPICAL PAVER SECTION

NOTES:

1. PAVER BLOCKS: BELDEN BRICK COMPANY, BURBANK CLEAR; 2 1/4" X 4" X 8" - PATTERN MATCHING EXISTING PAVERS ON SITE.

2. POLYMERIC JOINT SAND: TECHNISEAL HP POLYMERIC JOINTING SAND OR APPROVED EQUAL, COLOR - PRAIRIE TAN.

3. EDGE RESTRAINT: SNAP EDGE STA-RIGHT LANDSCAPE EDGING OR APPROVED EQUAL.

4. CUT EDGES SHALL BE CLEAN AND STRAIGHT. SPALLED OR CRACKED BLOCK SHALL BE REJECTED.

5. VERIFY LAYOUT OF EDGE RESTRAINT WITH LANDSCAPE ARCHITECT PRIOR TO PAVER INSTALLATION.

6" MIN.

INSTALL SOLDIER COURSE AROUND PERIMETER OF PAVER AREA INCLUDING ALONG BITUMINOUS TRAIL. CUT PAVERS TO FIT ALONG INSIDE OF SOLDIER COURSE.

NOTES:

1. CONFORM TO MnDOT SPECS 2573 AND 3897 FOR SEDIMENT CONTROL LOG - TYPE COMPOST.

2. DRIVE STAKES THROUGH THE BACK HALF OF THE SEDIMENT LOG AT A 45° ANGLE, WITH THE TOP OF THE STAKE POINTING UPSLOPE.

3. OVERLAP ENDS 1' MIN. AND STAKE TOGETHER TO MAKE A TIGHT FIT.

4. PLACE SEDIMENT LOG, TWO-HIGH (STACKED) AND/OR TWO-DEEP (SIDE BY SIDE) AT DIRECTION OF ENGINEER. MAINTAIN PROPER EMBEDMENT DEPTH. MEASUREMENT FOR PAYMENT OF STACKED SEDIMENT LOG SHALL BE AT THE LINEAL FOOT LENGTH OF SEDIMENT LOG PRODUCT, PROPERLY INSTALLED.

5. 1" X 2" X 18" WOODEN STAKES, MIN. MAX. 4'-0" SPACING FOR GENERAL APPLICATION MAX. 1'-0" SPACING FOR DITCH CHECK APPLICATION.

8" DIAMETER SEDIMENT CONTROL LOG - TYPE COMPOST

1" TO 3" EMBEDMENT DEPTH KEY SEDIMENT LOG INTO GROUND 2" TO 4" DEEP, UNLESS OTHERWISE DIRECTED BY ENGINEER.

NOTES:

1. CONFORM TO MnDOT SPECS 2575 AND 3885.

2. EROSION CONTROL BLANKET PRODUCTS SHALL BE ALL NATURAL NETTING AND STITCHING.

3. PROVIDE BIODEGRADABLE OR STEEL WIRE ANCHORS IN ACCORDANCE WITH MnDOT SPEC 3885 AND INSTALL PER MANUFACTURER RECOMMENDATIONS OR AS DIRECTED BY THE FIELD ENGINEER.

NOTES:

1. LOOSEN SUBSURFACE TO A DEPTH OF 1' IMMEDIATELY PRIOR TO PLACING SAND

2. 1' CLEAN COARSE SAND, P200+5%, PLACE WITH LOW GROUND PRESSURE EQUIPMENT OR FROM EXCAVATION EDGES TO PREVENT COMPACTING LOOSENED SUBSURFACE.

3. CEP DRAINTILE WITH SLOTS, NO SOCK. ELEVATE DRAINTILE ABOVE BOTTOM OF SAND LAYER TO ENSURE OUTFLOW.
**Below Floor Piping – Key Notes**

1. 4" Clean Out to Grade.
2. 2" Floor Drain, Field Installed Trap Primer System if Required by Authority Having Jurisdiction (3'-6" x 1'-6" Blockout)
3. 2" Vent Pipes Extended 12" Above Finished Floor Level, Provide Test Plug (3'-6" x 1'-6" Blockout)
4. 3" Waste Pipe Extended 12" Above Finished Floor Level, Provide Test Plug (3'-6" x 1'-6" Blockout)
5. 1 1/2" Type K Annealed "Soft" Copper Water Service Extended 12" Above Finished Floor Level, Provide Cap at End (3'-6" x 1'-6" Blockout)
6. Min. Bury per Local Requirements to Protect Against Freezing and Damage.
7. 2" Floor Drain, Field Installed Trap Primer System if Required by Authority Having Jurisdiction (10" Blockout)
8. 30" Min. Bury, Provide Tracer Tape.
9. Electrical Stub Up, (6" x Blockout)

**Piping Legend**

- **Waste Piping**
- **SCH 40 PVC**
- **Type DWV**
- **Vent Piping**
- **SCH 40 PVC**
- **Type DWV**
- **1 1/2" Type K Annealed "Soft" Copper Water Service**

**Floor Drain Detail Notes**

A. Cast-In Drain Housing (10" Inside Dim – Provided by Ctx)
B. Field Installed Grout, Slope to Drain (Cty Provided–Installation Not by Cty)
C. 2" Waste Pipe – Stub Up 12" Above Grade (Not by Cty)
D. Tapped P-Trap Assembly (Not by Cty)
E. 2" O.D. Copper Trap Primer Line (Not by Cty)
F. 2" Floor Drain Vent Pipe – Stub Up 12" Above Grade (Not by Cty)
G. Trap Primer Manifold (Pre-Plumbed and Installed by Cty)
H. Trap Primer Manifold (Pre-Plumbed and Installed by Cty)
I. 1/2" Shut Off Valve (Pre-Plumbed and Installed by Cty)