

**GRADING, DRAINAGE & EROSION CONTROL NOTES**

- SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL ACCESSIBLE ROUTES SHALL BE CONSTRUCTED WITH A CROSS SLOPE NOT EXCEEDING 2% AND A RUNNING SLOPE NOT EXCEEDING 5%.
- AT TURNING POINTS ALONG THE ACCESSIBLE ROUTE THE PAVEMENT SHALL NOT EXCEED 2% IN ANY DIRECTION FOR AN AREA 60" IN DIAMETER.
- ALL PUBLIC SIDEWALKS SHALL BE CONSTRUCTED WITH A CROSS SLOPE NOT EXCEEDING 2% AND A RUNNING SLOPE NOT EXCEEDING 5%.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
- REFER TO GEOTECHNICAL ENGINEERING REPORT (REPORT MP255193), DATED DECEMBER 5, 2025 AS PREPARED BY TERRACON, FOR AN EXISTING SUBSURFACE SITE CONDITION ANALYSIS AND CONSTRUCTION RECOMMENDATIONS INCLUDING BUT NOT LIMITED TO:
  - REUSE OF ON-SITE SOILS
  - GROUNDWATER AND RECOMMENDATIONS FOR EXCAVATION DEWATERING.
  - SITE GRADING AND SUBGRADE PREPARATION.
  - PAVEMENTS AND EXTERIOR SLABS.
  - TRENCH EXCAVATION AND BACKFILL.
  - EXTERIOR UTILITY SUPPORTS.
  - FROST PROTECTION.
- EXISTING SOILS ARE ASSUMED TO BE COARSE-GRAINED SOILS (SP, SM, & SC) PER THE UNIFIED SOIL CLASSIFICATION. CONTRACTOR TO NOTIFY ENGINEER IF EXISTING CONDITIONS DIFFER FROM ASSUMED SOIL CONDITIONS.
- GRADING, INCLUDING BUT NOT LIMITED TO EXCAVATION AND BACKFILL, OF THE INFILTRATION AREA(S) SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS. SMALL TRACKED DOZERS AND BOBCATS WITH RUNNER TRACKS ARE RECOMMENDED. NO WHEELED MACHINES SHALL BE USED.
- SOIL BENEATH THE INFILTRATION AREA(S) SHALL BE RIPPED WITH A TOOTHED BUCKET TO REMOVE SOIL INTERFACE PRIOR TO BACKFILL.
- A FLOOD TEST OR DOUBLE RING INFILTROMETER TEST SHALL BE COMPLETED FOR THE INFILTRATION SYSTEM TO VERIFY INFILTRATION RATES ARE WITHIN THE ACCEPTABLE RANGE OF 0.45 IN/HR TO 8.3 IN/HR.
- CITY AND WATERSHED SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF STORMWATER BMPs.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. REFER TO THE LANDSCAPE PLANS, DETAILS AND SPECIFICATIONS FOR FINAL SITE STABILIZATION.
- STREETS MUST BE CLEANED AND SWEEPED WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- DUST MUST BE ADEQUATELY CONTROLLED.
- SEE SWPPP FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
- SEE UTILITY PLAN FOR WATERMAIN, STORM SEWER, AND SANITARY SEWER INFORMATION.
- SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
- REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING ELEVATIONS.
- THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS AND THE NPDES PERMIT. CONTRACTOR SHALL OBTAIN A PUBLIC WORKS PERMIT FOR OBSTRUCTION AND CONCRETE WORK WITHIN THE RIGHT-OF-WAY. PERMIT IS REQUIRED PRIOR TO REMOVALS OR INSTALLATION. CONTACT SEAN JENKINS (952-563-4545, SJENKINS@BLOOMINGTONMN.GOV) FOR PERMIT INFORMATION.
- INSTALL EROSION CONTROL AND TREE PROTECTION MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
- PER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) REQUIREMENTS, THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS SHALL BE PROPERLY CONTAINED AND DISPOSED OF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND USING APPROVED METHODS OF CONTAINMENT SUCH AS PRE-FABRICATED WASHOUT CONTAINERS, CONCRETE WASHOUT TOTE, READY MIX TRUCKS WITH SELF-CONTAINED CHUTE CLEANOUT, ETC.
- CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF GRADING ACTIVITIES AS NEEDED PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.

**LEGEND**

- PROPOSED**
- CATCH BASIN
  - STORM MANHOLE
  - FLARED END SECTION
  - SANITARY MANHOLE
  - HYDRANT
  - GATE VALVE
  - POST INDICATOR VALVE
  - WATER MANHOLE / WELL
  - LIGHT POLE
  - POWER POLE
  - ELECTRIC METER
  - GAS METER
  - TELEPHONE PEDESTAL
  - SIGN
  - BENCHMARK
  - SOIL BORING
  - PARKING STALL COUNT
  - ACCESSIBLE PARKING STALL
  - STORM SEWER
  - DRAIN TILE
  - SANITARY SEWER
  - FORCE MAIN
  - WATER MAIN
  - SANITARY SEWER SERVICE
  - WATER SERVICE
  - UNDERGROUND ELECTRIC
  - UNDERGROUND FIBER OPTIC
  - UNDERGROUND GAS
  - UNDERGROUND TELEPHONE
  - OVERHEAD UTILITY
  - FENCE
  - CHAIN LINK FENCE
  - CONCRETE CURB
  - RETAINING WALL
  - CONCRETE
  - NO PARKING
  - BUILDING
  - CONTOUR
  - SPOT ELEVATION
  - DIRECTION OF FLOW
  - TREE LINE
  - PARKING SETBACK LINE
  - BUILDING SETBACK LINE



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NO.	DESCRIPTION	DATE

Michael J. St. Martin - PE  
 License No. 24440  
 Date  
 Loucks Project No. 19815.0A  
 Project Lead MJS  
 Drawn By SJP  
 Checked By MJS  
 Review Date

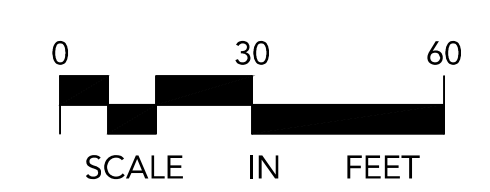
**PRELIMINARY**  
 NOT FOR CONSTRUCTION

CITY OF BLOOMINGTON  
**SALT SHED AND BRINE BUILDING**  
 BLOOMINGTON, MN



**CALL BEFORE YOU DIG!**  
**Gopher State One Call**  
 TWIN CITY AREA: 651-454-0002  
 TOLL FREE: 1-800-252-1166

**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.



**EXHIBIT C**

**NOTE:**  
 EXISTING CONDITIONS INFORMATION SHOWN IS FROM A SURVEY PREPARED BY W. BROWN LAND SURVEYING, INC., DATED 10/03/2025.