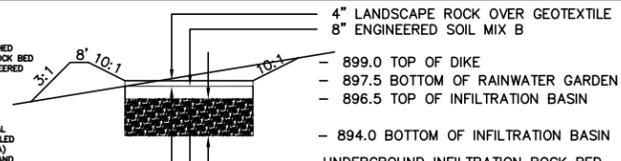


# GRAPHIC SCALE



( IN FEET )  
1 inch = 100 ft.

**ENGINEERED SOIL MIX B SPECIFICATION**  
AFTER CONTRIBUTING DRAINAGE AREA VEGETATION IS FULLY ESTABLISHED COMPLETE THE CONSTRUCT RAINWATER GARDEN OVER INFILTRATION ROCK BED REMOVE ANY SILT/SOIL OVER ROCK BED AND BACKFILL WITH ENGINEERED SOIL MIX B AND CONSTRUCT MEETING DAKOTA COUNTY SWCD LOW IMPACT DEVELOPMENT STANDARDS.  
ENGINEERED SOIL SHALL MEET MINNESOTA STORMWATER MANUAL 4.1.2 MIX B ENHANCED FILTRATION BLEND (WELL BLENDED MIXTURE OF 70% ASTM C-33 COARSE WASHED SAND (MHDOT 3126) AND 30% MHDOT 3880 GRADE 2 LEAF LITTER COMPOST). THE MATERIAL SHALL PROVIDE DOCUMENTATION THAT THE COMPOST HAS BEEN SAMPLED AND TESTED AS REQUIRED BY THE SEAL OF TESTING ASSURANCE (STA) THE PROGRAM OF THE UNITED STATES COMPOSTING COUNCIL (USCC) AND A GRADATION SIEVE ANALYSIS FOR THE WASHED SAND. THE ENGINEERED SOIL SHALL NOT CONTAIN ANY TOPSOIL OR FILTER AGGREGATE WITH FINES.

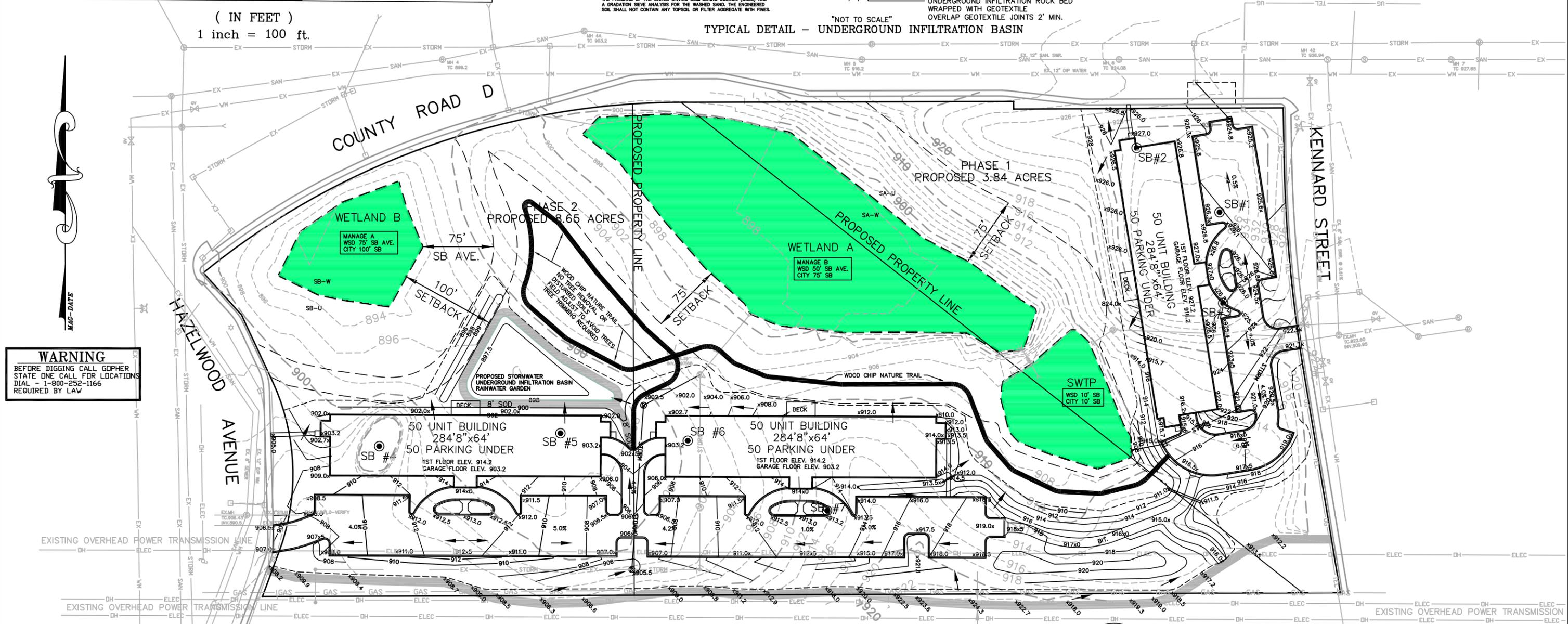


TYPICAL DETAIL - UNDERGROUND INFILTRATION BASIN

**GOVERNING SPECIFICATIONS**  
THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION", SUBJECT TO ANY AMENDMENTS & THE 1999 EDITION OF THE "STANDARD UTILITIES SPECIFICATIONS" AS PER THE CITY ENGINEER'S ASSOCIATION OF MINNESOTA SHALL GOVERN.



**WARNING**  
BEFORE DIGGING CALL GOPHER STATE ONE CALL FOR LOCATIONS DIAL - 1-800-252-1166 REQUIRED BY LAW



**PROCESS TO FINAL STABILIZATION:**

THE CONTRACTOR SHALL SEED AND/OR SOD MULCH WITH APPROVED PRODUCTS AS SOON AS POSSIBLE IN ORDER TO ESTABLISH VEGETATION. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL UNTIL THE VEGETATION IS FULLY ESTABLISHED AND ALL EVIDENCE OF EROSION IS ADDRESSED.

**IMPLEMENTATION AND INSPECTIONS**

**IMPLEMENTATION:**  
THE IMPLEMENTATION OF THIS PLAN SHALL BE OVERSEEN BY THE OWNER AND THE CONTRACTOR.

**INSPECTIONS:**  
THE CONTRACTOR SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE NPDES PERMIT AND SHALL BE RESPONSIBLE FOR FILLING OUT INSPECTION REPORTS A MINIMUM OF ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL GREATER THAN 0.5 INCHES IN 24 HOURS. ALL REPORTS SHALL BE KEPT ON FILE AND RETAINED WITH THE SWPPP.

- THEY SHALL INCLUDE:
- A DATE AND TIME
  - B NAME OF PERSON CONDUCTING INSPECTION
  - C FINDING OF INSPECTION, INCLUDING RECOMMENDATION FOR CORRECTIVE ACTIONS.
  - D DATE AND TIME OF RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS
  - E DOCUMENTATION OF CHANGES MADE TO THE SWPPP

THE CONTRACTOR'S WORK SHALL INCLUDE MAKING ADJUSTMENTS IN THE FIELD IN ORDER TO MINIMIZE EROSION AND MAXIMIZE THE CONTROL OF SEDIMENT.

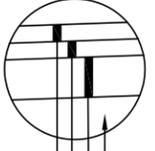
WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY EROSION STRUCTURES. RESEED ANY AREAS DISTURBED BY THE REMOVAL OF THE TEMPORARY EROSION STRUCTURES.

**GRADING NOTES:**

- 1.) ALL EROSION CONTROL MEASURES SHALL MEET AND/OR EXCEED THE CITY OF MAPLEWOOD, STORM WATER MANAGEMENT REQUIREMENTS.
- 2.) SILT FENCE, CONSTRUCTION ENTRANCE, PONDING BASINS, PERIMETER DRAINAGE SWALES ARE TO BE CONSTRUCTED FIRST.
- 3.) ALL GRADING SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION.
- 4.) SPREAD 4" TOPSOIL SEED AND MULCH OVER DISTURBED AREAS EXCEPT PARKING AND BUILDING AREAS.
- 5.) CITY OF MAPLEWOOD INSPECTOR MAY BE PRESENT DURING SOIL TESTING, TEST ROLLING IS REQUIRED.
- 6.) A TEMPORARY STAGING STOCKPILE, AND BORROW SHALL BE MAINTAINED AND CONTROLLED.
- 7.) ALL BUILDING PAD AREAS SHALL BE INSPECTED AND APPROVED BEFORE FILL PLACEMENT.

INLET PROTECTION AT LOW POINTS WILL BE REQUIRED IF IT IS EVIDENT THAT SEDIMENTS ARE LEAVING THE CONSTRUCTION SITE.

ANY VEHICLE SEDIMENT TRACKING SHALL BE CLEANED ON A DAILY BASIS



**Paving Section**  
CONSTRUCT B612 CONC. CURB AND GUTTER  
CONSTRUCT D412 CONC. CURB AND GUTTER ON ISLANDS  
BIT. PATH SHALL BE 10" WIDE 3" THICK BIT WITH 12" WIDE 6" THICK CL.5

SIDEWALKS SHALL BE 4' WIDE - 4" THICK REINFORCED CONCRETE  
GARAGE APRONS SHALL BE 6' WIDE - 7" THICK REINFORCED CONCRETE.

KEY - PROTECTION AREAS  
[Green Box] PROTECT WETLANDS

**G-Cubed Inc.**  
Engineering  
Surveying  
Planning  
285 Westview Drive  
West Saint Paul, MN 55118  
ph. 651.288.9474 fax 651.455.4948

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA  
Mark. R. Welch  
DATE \_\_\_\_\_ REG. NO. 42736

|          |     |         |    |      |   |
|----------|-----|---------|----|------|---|
| DESIGNED | DJT | REVISED | BY | DATE | LATEST REVISION: 09-23-2015   |
| DRAWN    |     |         |    |      | Prepared For:<br>Tyr Development, LLC<br>9983 Arcola Court N.<br>Stillwater, MN 55082 |
| CHECKED  |     |         |    |      | FILE NO.: 15-113 Stalland   |

CITY OF MAPLEWOOD  
RAMSEY COUNTY, MINNESOTA  
2015 CONSTRUCTION

CONIFER  
RIDGE

WOOD CHIP  
NATURE TRAIL  
SHEET 8A OF 8 SHEETS