Location | Date + Time | Project Name | Regarding
---|---|---|---
| 25jan17 | Potential Creek Stabilization Project | Landowners Meeting

6:00 Introductions/sign-in

Karen Kill, District Administrator for the Brown’s Creek Watershed District (BCWD)
karen.kill@mnwcd.org / 651.330.8220 x26

Kevin Biehn, consultant for the BCWD
kbiehn@eorinc.com / 651.203.6022

6:10 Opening qualifiers

a. The District is still seeking voluntary interest in this potential project
b. Details/approach are not a given, but have been advanced so that landowners can respond to more specific details
c. No financial contribution is expected from landowners

6:15 Reiterate concern + opportunity [review 9/12/2016 landowner meeting content]

a. Concern
b. Location
c. Compounding Causes
d. Options

6:30 What has occurred since the 9/12/2016 landowner meeting

a. Expressed interest
b. Site/tree survey
c. Plan advancement

6:35 Review Plans

a. Describe each layer

6:40 Discussion Topics

a. Drainage & Utility Easement
b. Access
c. Rock Check(s)
d. Tree & shrub protection & removal
  i. Sight lines & exposure
e. Bank stabilization
f. Site restoration
  i. Tree Replacement
  ii. Native grass & wildflower seeding
g. Construction
   i. Observation/assurances
   ii. Seasonality
h. Maintenance (Year 0-5)
   i. Why
   ii. How/what
   iii. Who
   i. Extended Maintenance (After Year 5)
      i. Activities & frequency

7:05 Next Steps
a. Determination of project support
   i. Additional Q&A
   ii. Agreement(s)
b. City approval/buy-in
c. Watershed Board Approval(s)
   i. Public Hearing to Order the Project – Feb or March
   ii. Authorization to Solicit Quotes - Sep
   iii. Authorization to Award – Oct
d. Finalization of plans
e. Permitting – Spring 2017
f. Solicit Construction Quotes

7:15 Additional Q&A

7:30 Adjourn
Concern

1) Stream health (excess sediment & nutrients)
2) Wetland dewatering
3) Stream bank erosion & property loss

Unstable Brown’s Creek Tributary Discussion
9/12/2016 Landowner Meeting
Compounding Causes

1) Increased connectivity
2) Change in precipitation
3) Change in vegetation
4) Soils
Options

1) Watershed (ongoing by Watershed District)
   - Improvement Projects
   - Development Regulations

2) Site
   - Grade Control Structure(s)
   - Thin Canopy

Similar Structure on Silver Creek
Stillwater Twp
LONG LAKE TRIBUTARY HEADCUT
STILLWATER, WASHINGTON COUNTY, MINNESOTA

EXISTING UTILITIES
THE LOCATION OF UNDERGROUND FACILITIES AND/OR STRUCTURES AS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORD AT THE TIME THE PLANS WERE PREPARED AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT. THE SUBSURFACE UTILITY INFORMATION SHOWN IS UTILITY QUALITY LEVEL D, AS DETERMINED USING THE GUIDELINES OF "CI/ASCE 38-02 STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA." THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION TO DETERMINE THE EXACT LOCATION OF ALL FACILITIES AND TO PROVIDE ADEQUATE PROTECTION OF SAID UTILITIES DURING THE COURSE OF WORK.

CONSTRUCTION NOTE
CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN OPERATION OF EXISTING UTILITIES THROUGHOUT THE DURATION OF THE PROJECT. IN THE EVENT THAT AN INTERRUPTION OF SERVICE IS UNAVOIDABLE IN ORDER TO COMPLETE THE WORK, CONTRACTOR SHALL PROVIDE ADEQUATE NOTIFICATION TO ALL AFFECTED BUSINESSES A MINIMUM OF 72 HOURS PRIOR TO COMMENCEMENT OF ANY INTERRUPTION.

GOPHER STATE ONE-CALL
IT IS THE LAW THAT ANYONE EXCAVATING AT ANY SITE MUST NOTIFY GOPHER STATE ONE-CALL (651) 454-0002, MONDAY THROUGH FRIDAY FROM 7 A.M. TO 5 P.M. OR 1-800-252-1166, NOT INCLUDING WEEKENDS, SO THAT UNDERGROUND ELECTRIC, NATURAL GAS, TELEPHONE OR OTHER UTILITY LINES CAN BE MARKED ON OR NEAR YOUR PROPERTY BEFORE ANY DIGGING BEGINS. A 48-HOUR NOTICE, NOT INCLUDING WEEKENDS, IS REQUIRED. CALLS CAN BE MADE TO GOPHER STATE ONE-CALL (651) 454-0002, MONDAY THROUGH FRIDAY EXCEPT HOLIDAYS FROM 7 A.M. TO 5 P.M.

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NOTES:
1. WETLAND EXTENTS SHOWN ARE BASED ON GIS DATA AND HAVE NOT BEEN SURVEYED. THE EXTENTS SHOWN ARE FOR PLANNING PURPOSES ONLY.
NOTES:
1. ALL TREES SHALL BE REMOVED WITHIN THE TREE CLEARING LIMITS WITH THE EXCEPTION OF THE TREES SHOWN ABOVE. A TREE PRESERVATION TABLE APPEARS ON PAGE 6 OF THESE PLANS.
2. NO CROSSING OF THE STREAM SHALL BE PERMITTED.
1. CROSS VANE MATERIAL SHALL BE CLASS V LIMESTONE OR DOLOMITE; MEETING MNDOT 3601.2 SPECIFICATIONS
2. LIMESTONE OR DOLOMITE RIPRAP SHALL CONFORM TO SPECIFIED SIZE CLASS
3. POSITION OF CROSS VANE TO BE APPROVED BY PROJECT ENGINEER
1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. NO PRUNING SHALL BE PERFORMED.
3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING, INCLUDING DURING FENCE INSTALLATION AND REMOVAL.

TREE PROTECTION FENCE: HIGH DENSITY POLYETHYLENE FENCING WITH 3.5" x 1.5" OPENINGS; COLOR - ORANGE. STEEL POSTS INSTALLED AT 8' O.C.

5" THICK LAYER OF MULCH
MAINTAIN EXISTING GRADE WITH THE TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

DECIDUOUS TREE PLANTING DETAIL

- SEE PLAN

NOTE:

- 16" AMERICAN ELM
- 9" SILVER MAPLE
- 15" AMERICAN ELM
- 60" SILVER MAPLE
- 36" SILVER MAPLE
- 20" WILLOW
- 60" SILVER MAPLE
- 20" WILLOW
- 14" SILVER MAPLE
- 16" AMERICAN ELM
- 9" SILVER MAPLE
- 15" AMERICAN ELM
- 60" SILVER MAPLE
- 36" SILVER MAPLE
- 20" WILLOW
- 60" SILVER MAPLE
- 20" WILLOW
- 14" SILVER MAPLE

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