PLAN SYMBOLS

STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE QUARTER LINE SIXTEENTH LINE RIGHT-OF-WAY LINE SLOPE FASEMENT PRESENT RIGHT-OF-WAY CONTROL OF ACCES LINE PROPERTY LINES (EXCEPT LAND LINES) VACATED PLATTED PROPERTY CORPORATE OR CITY LIMITS TRUNK HIGHWAY CENTER LINE 5 PI 2 RETAINING WALL RAILROAD RAILROAD RIGHT-OF-WAY RIVER OR CREEK ⇒ NAME ⇒ DRY RUN SIZE ⇒ DRAINAGE DITCH DRAIN TILE CULVERT ======: DROP INLET 0===== GUARD RAIL BARBED WIRE FENCE <u>_w</u>x<u>___</u>x__ WOVEN WIRE FENCE CL X CL X CHAIN LINK FENCE RAILROAD SNOW FENCE STONE WALL OR FENCE 2882888688 HEDGE RAILROAD CROSSING SIGN RAILROAD CROSSING BELL ELECTRIC WARNING SIGN CROSSING GATE MEANDER CORNER SPRINGS MARSH TIMBER BRUSH NURSERY ■ CB CATCH BASIN CATTLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BUILDING (ONE STORY FRAME)
F - FRAME C - CONCI
S - STONE T - TILE C - CONCRETE
T - TILE
ST- STUCCO 1−S−F 🛱 B - BRICK

UTILITY SYMBOLS

■ M□NU.

IRON ROD OR PIPE

WOODEN HUB

ROCK QUARRY

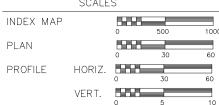
GRAVEL PIT

SAND PIT BORROW PIT

MONUMENT (STONE, CONCRETE, OR METAL)

POWER POLE LINE TELEPHONE OR TELEGRAPH POLE LINE JOINT TELEPHONE AND POWER ON POWER POLE ON TELEPHONE POLES ANCHOR STREET LIGHT PEDESTAL (TELEPHONE CABLE TERMINAL) ⊠PED. GAS MAIN — G— WATER MAIN CONDUIT TELEPHONE CABLE IN CONDUIT **—** т— ELECTRIC CABLE IN CONDUIT **₩**P== TELEPHONE MANHOLE ELECTRIC MANHOLE P BURIED TELEPHONE CABLE --- T-BLIR----BURIED ELECTRIC CABLE ---P-BUR---AERIAL TELEPHONE CABLE ---T-AE ---SEWER (SANITARY OR STORM) _>__> SEWER MANHOLE

SCALES



2015 BASSETT CREEK RESTORATION PROJECT

IBCWMC 3-19-15

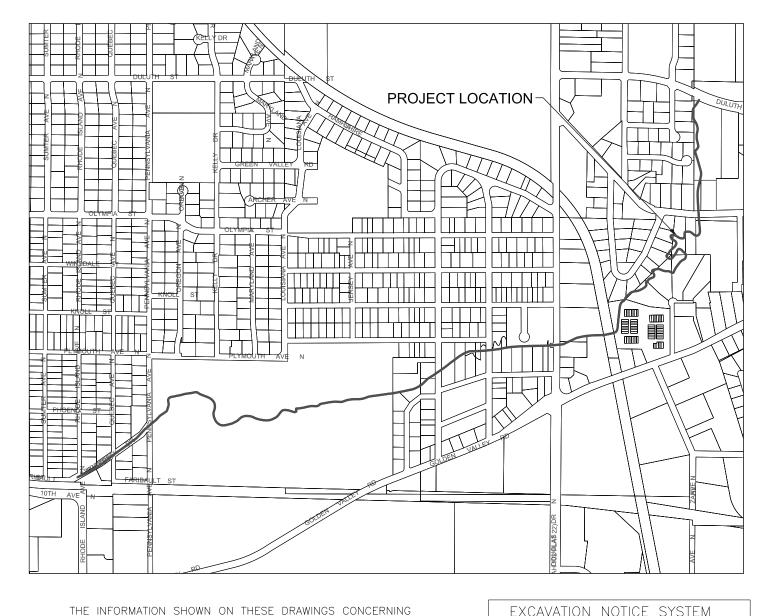
FOR THE

CITY OF GOLDEN VALLEY

CONSTRUCTION PLAN FOR: STREAMBANK STABILIZATION AND HABITAT RESTORATION LOCATED ON BASSETT

CREEK - 50% PLANS SUBMISSION TO THE BASSETT CREEK WMC

PROJECT LOCAITON: WINNETKA AVE AND 10TH AVE NORTH TO DULUTH STREET



TYPE AND LOCATION OF PRIVATE UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS TO DETERMINE THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEDICATION OF EXISTING SUBSURFACE UTILITY DATA.'

EXCAVATION NOTICE SYSTEM

A CALL TO GOPHER STATE ONE (651-454-0002) IS REQUIRED A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION.

GOVERNING SPECIFICATIONS

2015 BASSETT CREEK RESTORATION PROJECT SPECIAL PROVISIONS 2015 BASSETT CREEK PLANS CITY OF GOLDEN VALLEY GENERAL CONDITIONS
CEAM STANDARD SPECIFICATIONS THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION."

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL COMFORM TO THE MN MUTCD INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, DATED JANUARY, 2004. ALL TRAFFIC CONTROL DEVICES SHALL HAVE RETROREFLECTIVE

STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY ENGINEERS ASSOCIATION OF MINNESOTA STANDARD UTILITIES SPECIFICATIONS.

SHEET NO DESCRIPTION TITLE SHEET SITE PLAN GENERAL NOTES STREAMBANK STABILIZATION DETAILS

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED



701 Xenia Avenue South, Suite 300 Minneapolis, MN 55416

763-541-4800 - Fax 763-541-170 INFRASTRUCTURE | ENGINEERING | PLANNING | CONSTRUCTION

I HEREBY CERTIFY THAT THIS PLAN 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.

PETER R. WILLENBRING

DATE 01/15/2014

LIC. NO. __15998

PLAN REVIEW:

Prepared for:

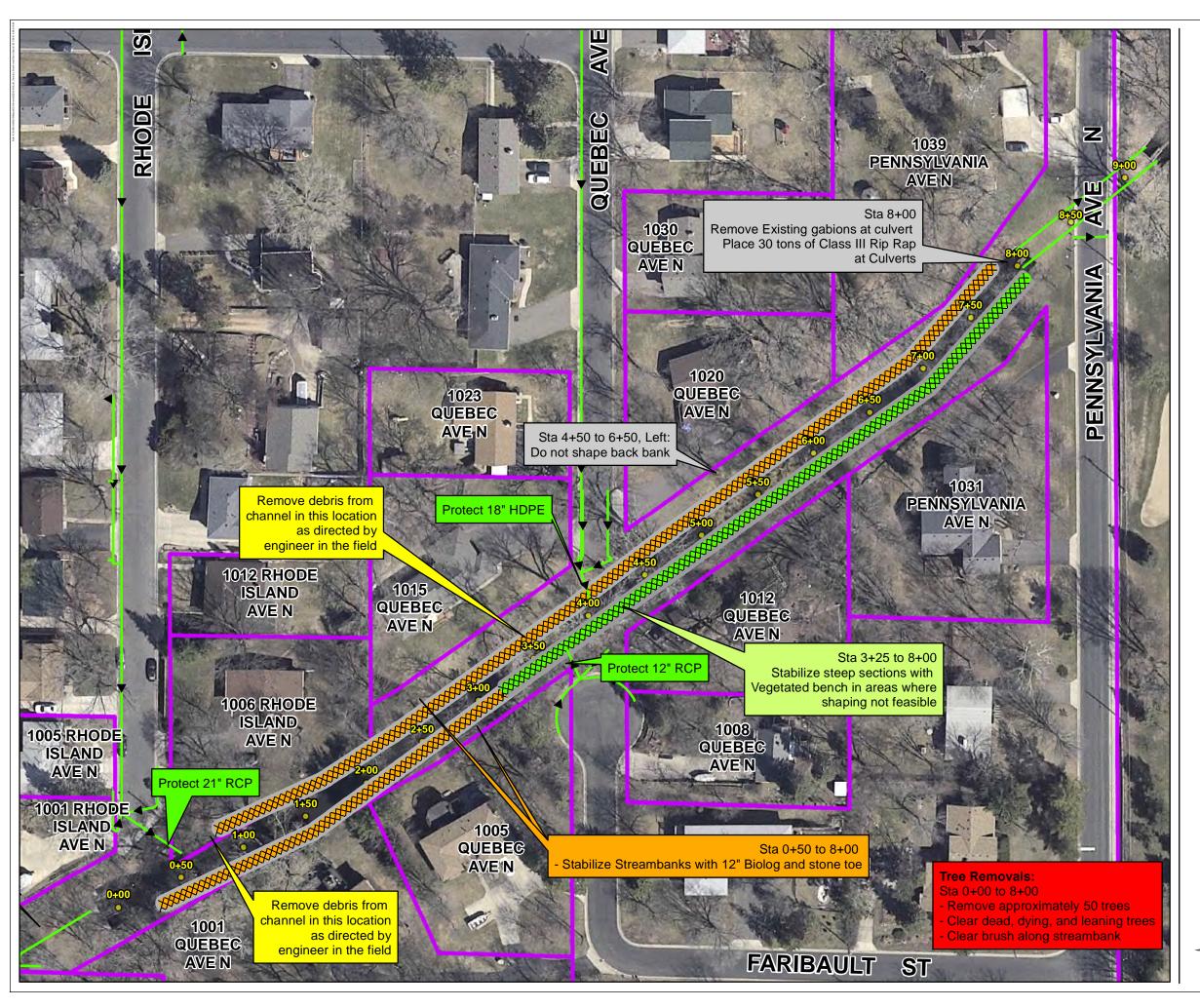
City of Golden Valley 7800 Golden Valley Road

Golden Valley, Minnesota (763) - 593 - 8000

WSB PROJECT 2032-090 CITY PROJECT NO. 13-25

SHEET NO. **SHEETS**

55427







> Construction Plans Area A

Legend

→ Storm Sewer

>>>> Vegetated Bench

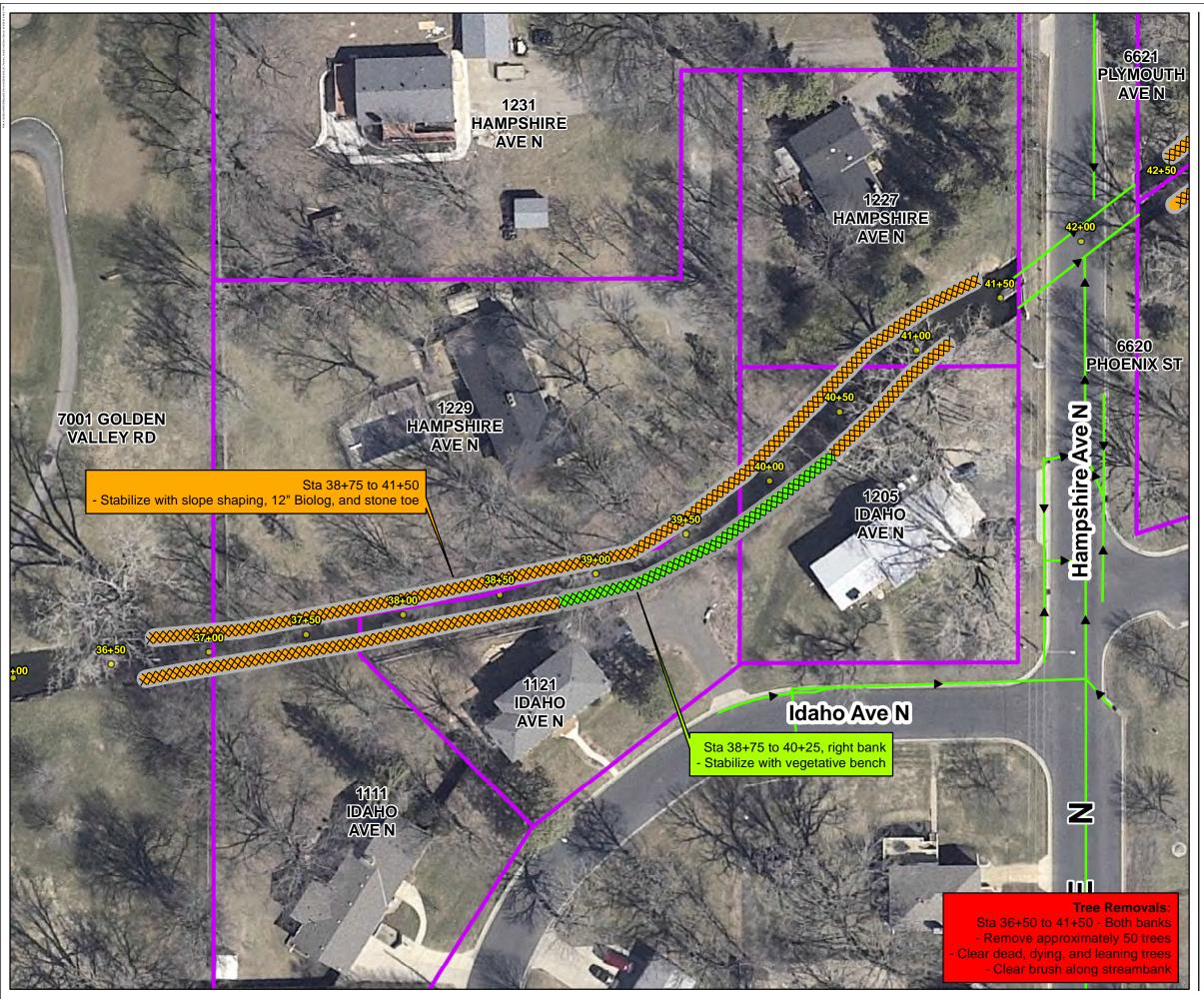
Biolog with Stone Toe

Parcels

Creek Stationing









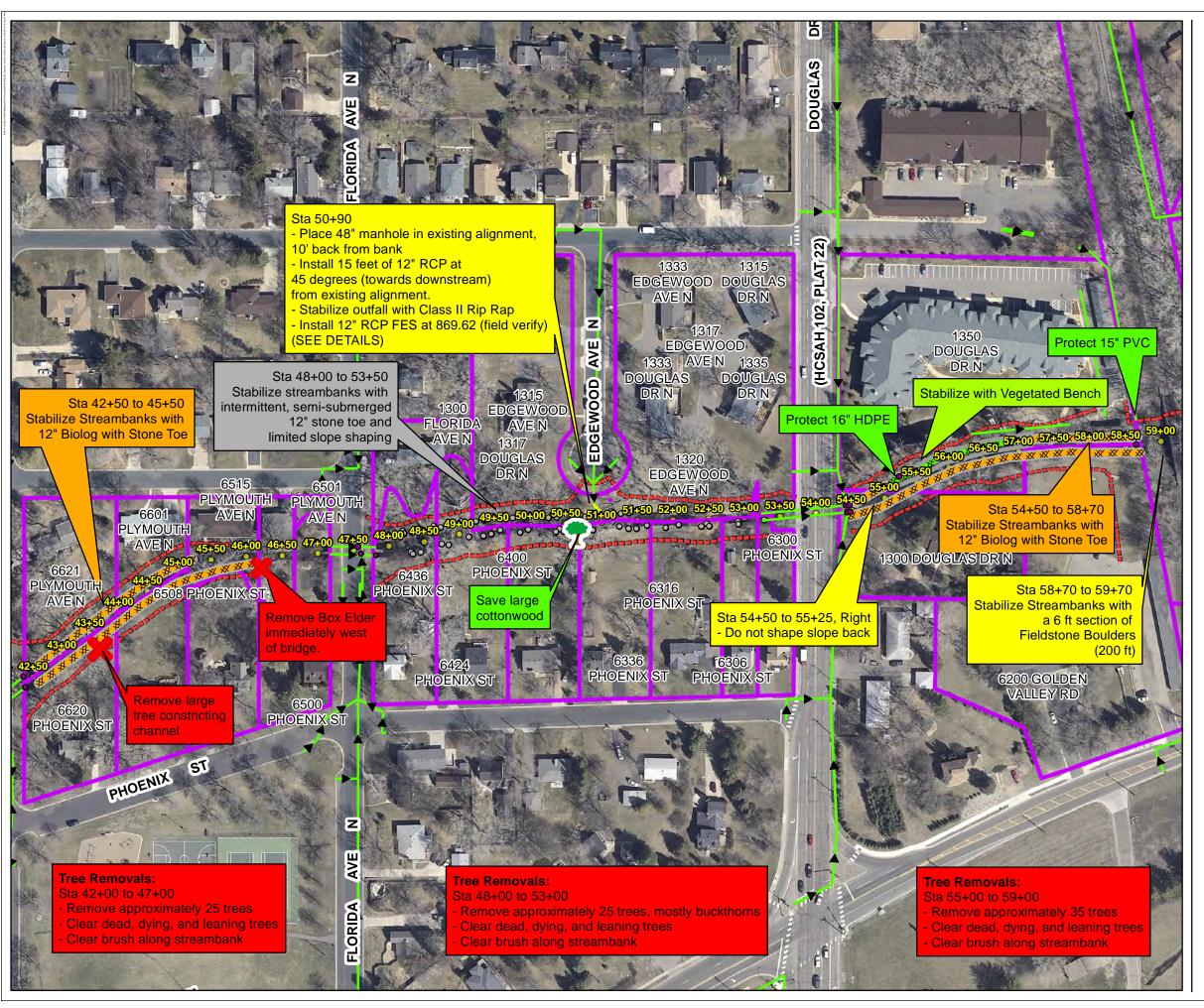


Construction Plans Area B

- → Storm Sewer
- >>>> Vegetated Bench
- Biolog with Stone Toe
- Parcels
- Creek Stationing











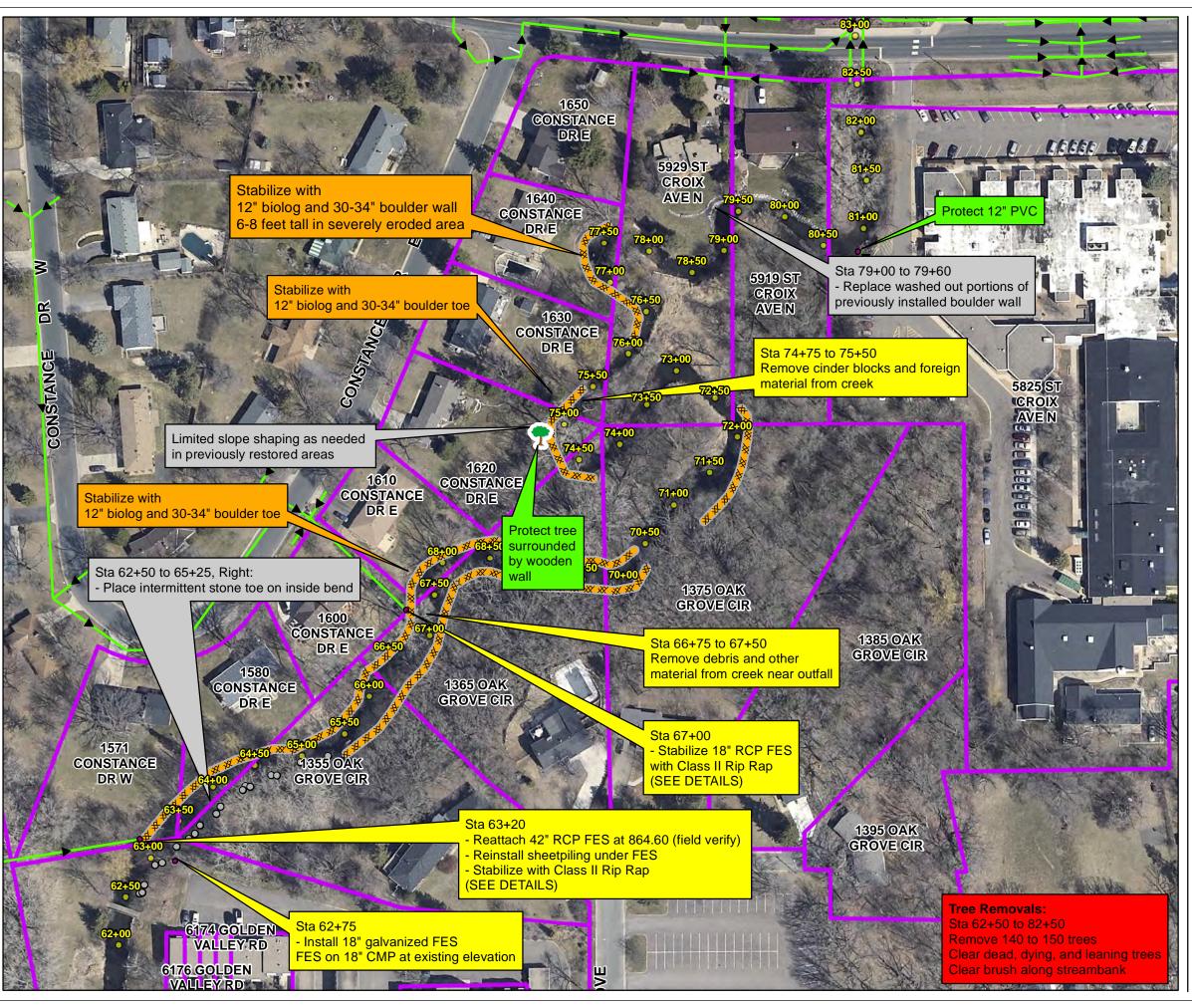
Construction Plans
Area C

- → Storm Sewer
- Vegetated Bench
- Biolog with Stone Toe
- % Intermittent Stone Toe
- Parcels
- **20**' Construction Zone and Access
- Creek Stationing













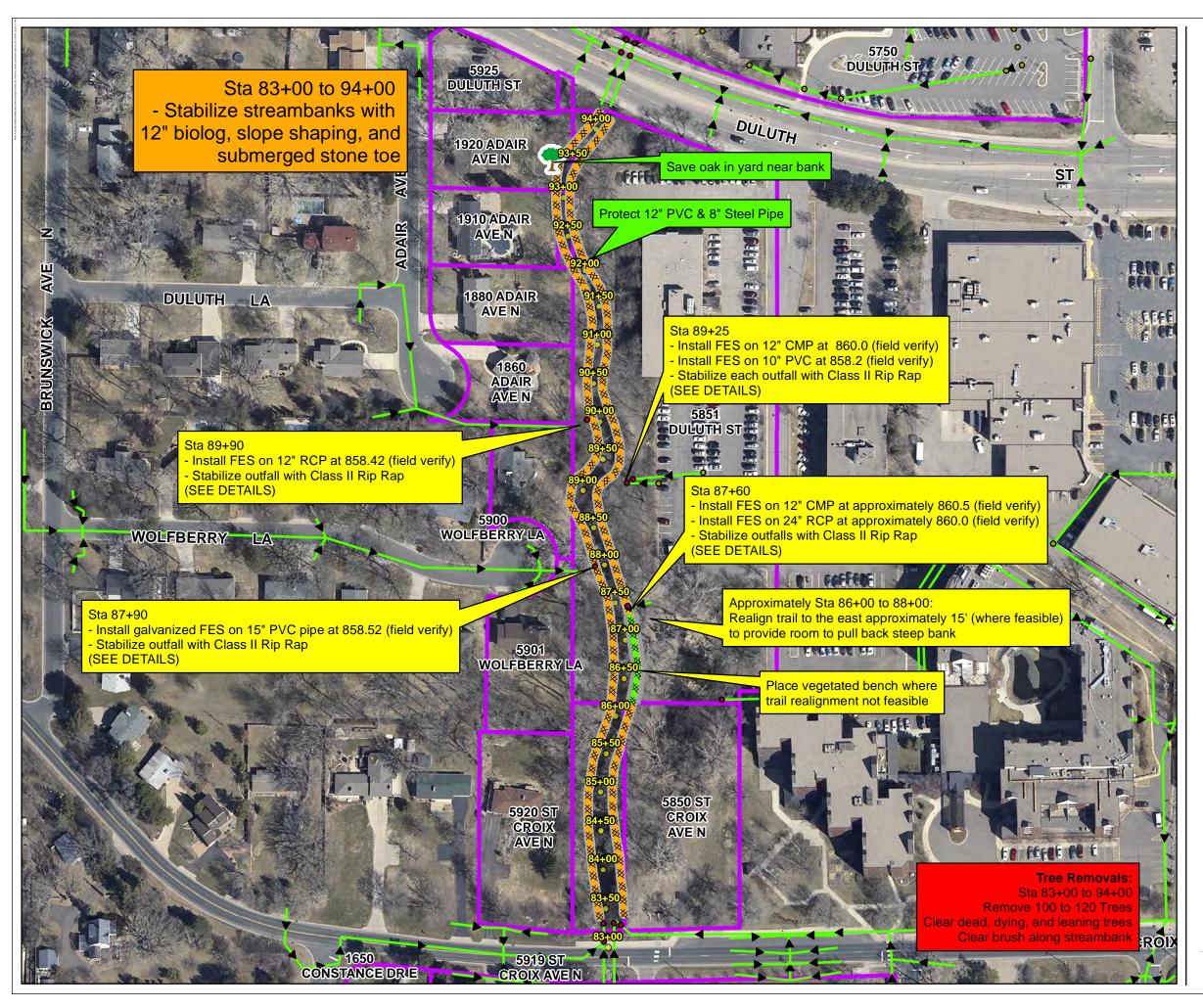
Construction Plans
Area D

- → Storm Sewer
- Biolog with Boulder Toe
- Intermittent Stone Toe
- Parcels
- Creek Stationing













Construction Plans
Area E

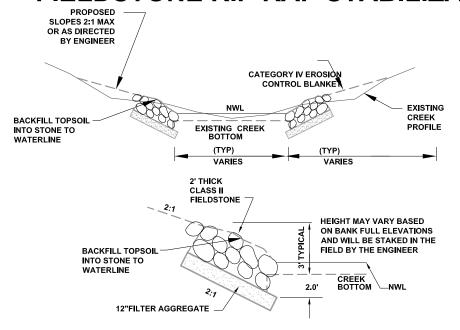
- → Storm Sewer
- Vegetated Bench
- Biolog with Stone Toe
- Parcels
- Creek Stationing







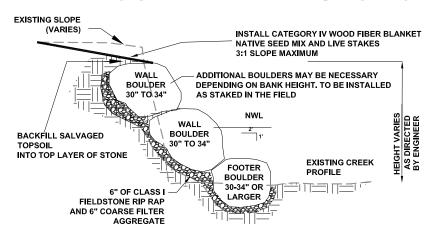
FIELDSTONE RIP RAP STABILIZATION



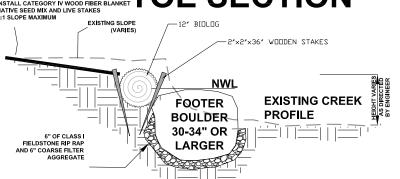
NOTES:

- 1. NO NET CUT/FILL ALLOWED WITHIN CHANNEL CROSS SECTION, EXISTING CHANNEL SECTION AREA MUST BE
- 2. ALL IMPROVEMENTS SHALL FOLLOW THE MEANDERS AND CURVES OF THE EXISTING STREAMBANK AS INDICATED ON PLANS AND AS STAKED/DIRECTED IN THE FIELD.

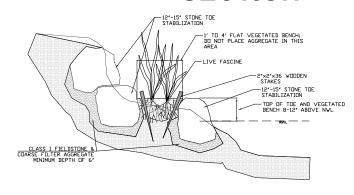
BOULDER WALL SECTION



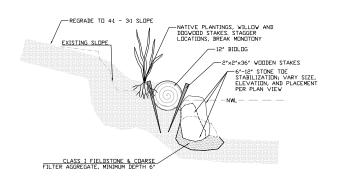
BIOLOG & BOULDER INSTALL CATEGORY IV WOOD FIBER BLANKET TOE SECTION NATIVE SEED MIX AND LIVE STAKES 3:1 SLOPE MAXIMUM



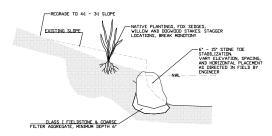
VEGETATED BENCH SECTION



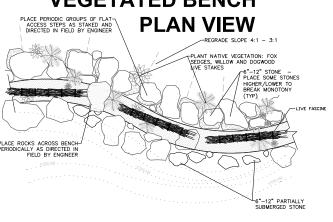
BIOLOG & STONE TOE SECTION



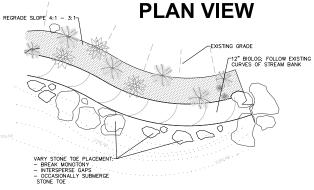
INTERMITTENT STONE **TOE SECTION**



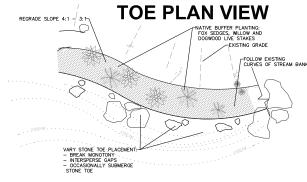
VEGETATED BENCH



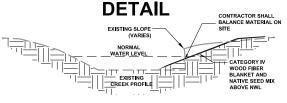
BIOLOG & STONE TOE



INTERMITTENT STONE



SLOPE PREPARATION

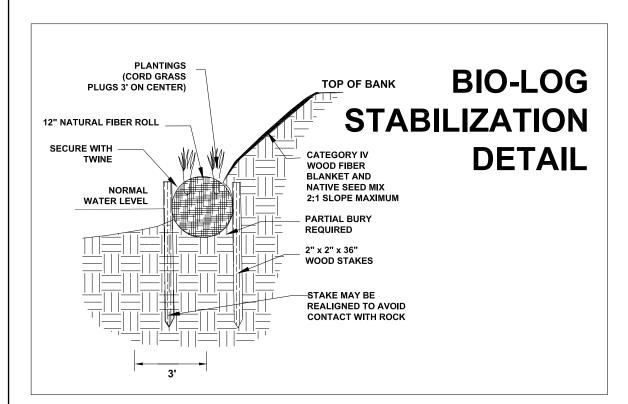


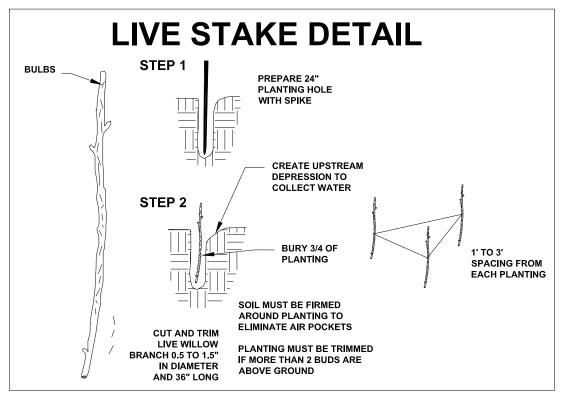
CREEK

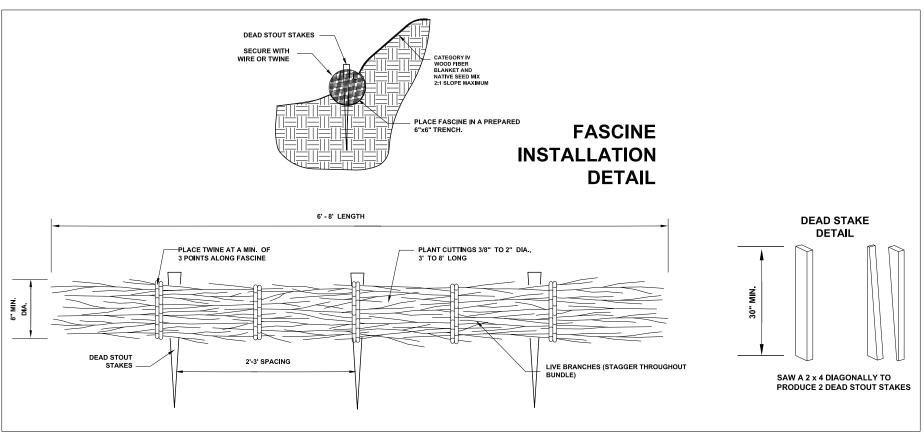
5 MAIN STEM OF BASSETT C RESTORATION PROJECT CITY OF GOLDEN VALLEY

2015 |

CITY PROJECT NUMBER 13-25 PROJECT NUMBER 02032-09

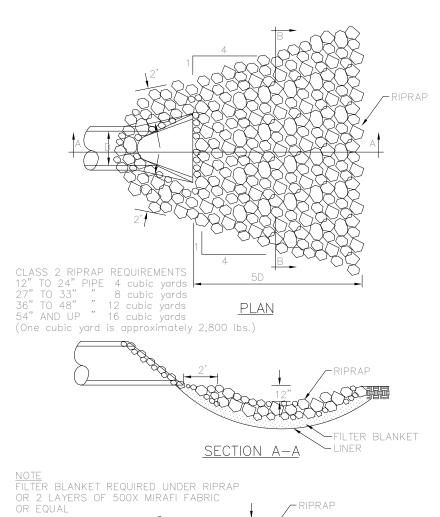






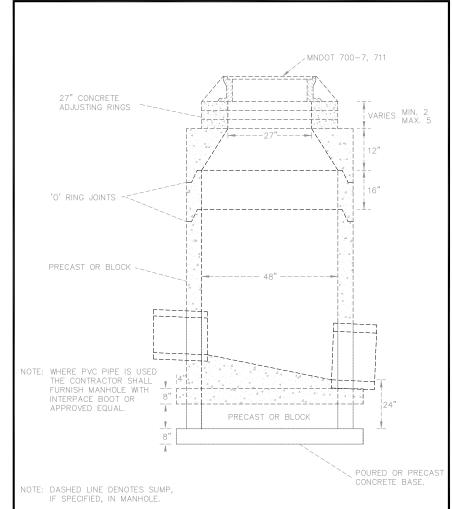


2015 MAIN STEM OF BASSETT CREEK
RESTORATION PROJECT
CITY OF
GOLDEN VALLEY

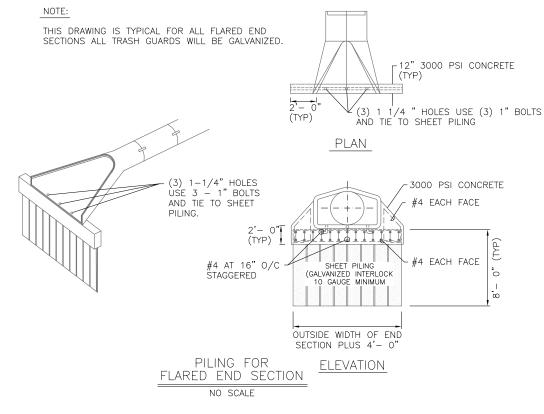


FILTER BLANKET

RIP RAP AT FES DETAIL TYPICAL MANHOLE DETAIL



FES SHEETPILING DETAIL



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SU AND THAT I AM A DULY LICENSED PROFESSIONAL UNDER THE LAWS OF THE STATE OF MINNESOTA

2015 MAIN STEM OF BASSETT CREEK
RESTORATION PROJECT
CITY OF
GOLDEN VALLEY

