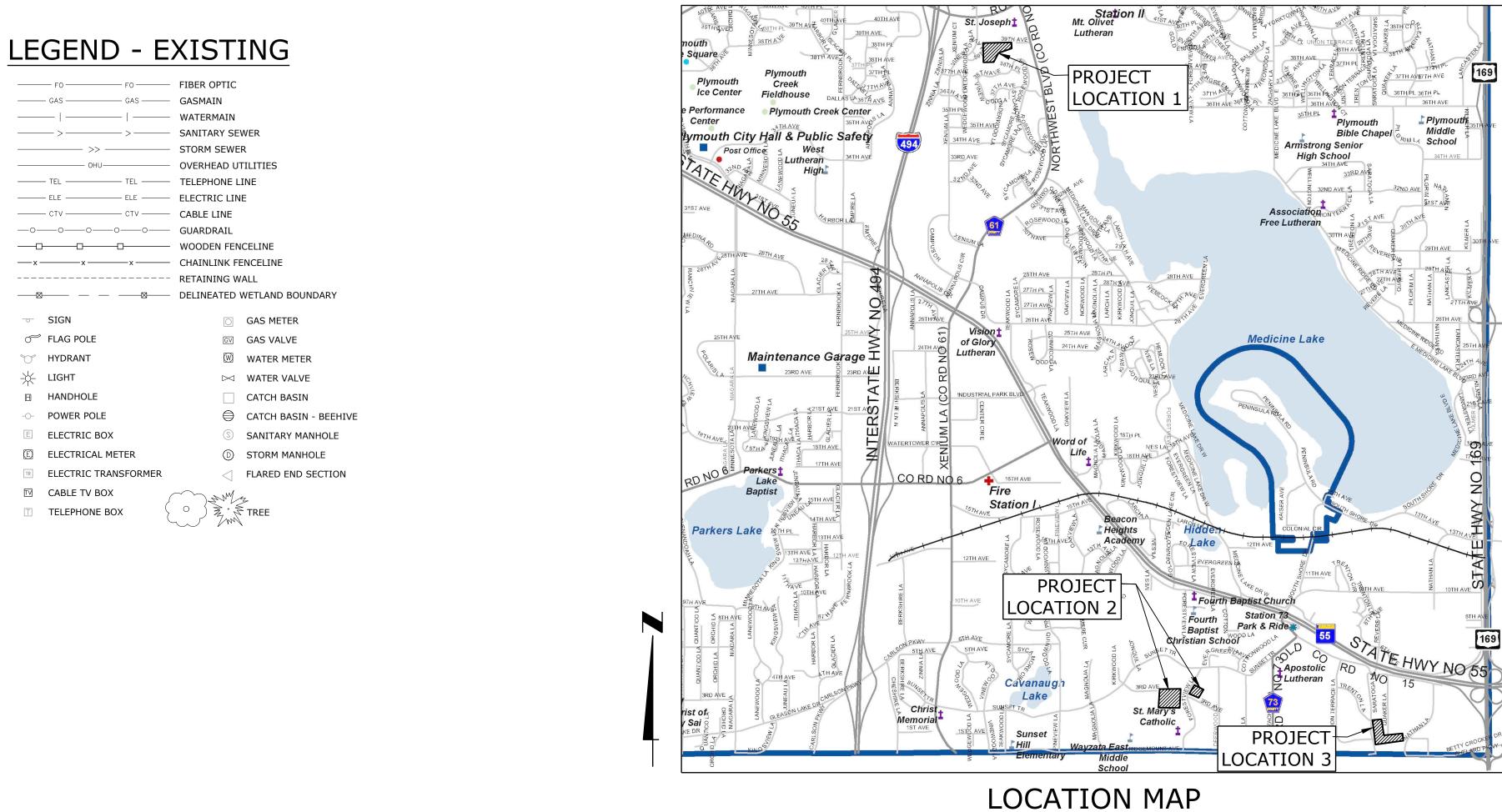
NEIGHBORHOOD DRAINAGE IMPROVEMENTS FRENCH RIDGE PARK, ST. MARY'S PARK, AND **IVANHOE/PHEASANT HILLS NEIGHBORHOODS**







PREPARED FOR: CITY OF PLYMOUTH, MN CITY PROJECT NO. 18015

NOT TO SCALE Engineering • Surveying Landscape Architecture 70 HANSEN THORP PELLINEN OLSON, Inc. 7510 Market Place Drive • Eden Prairie, MN 55344 952-829-0700 • 952-829-7806 fax HTPO PROJECT NO. 18-027 I hereby certify that this plan, specification or report 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.

Idam Pawelk Adam Pawelk

49990 Lic. No. ____

. Date <u>09-17-18</u>

SHEET INDEX COVER SHEET 4

GENERAL NOTES

(651) 454-0002.

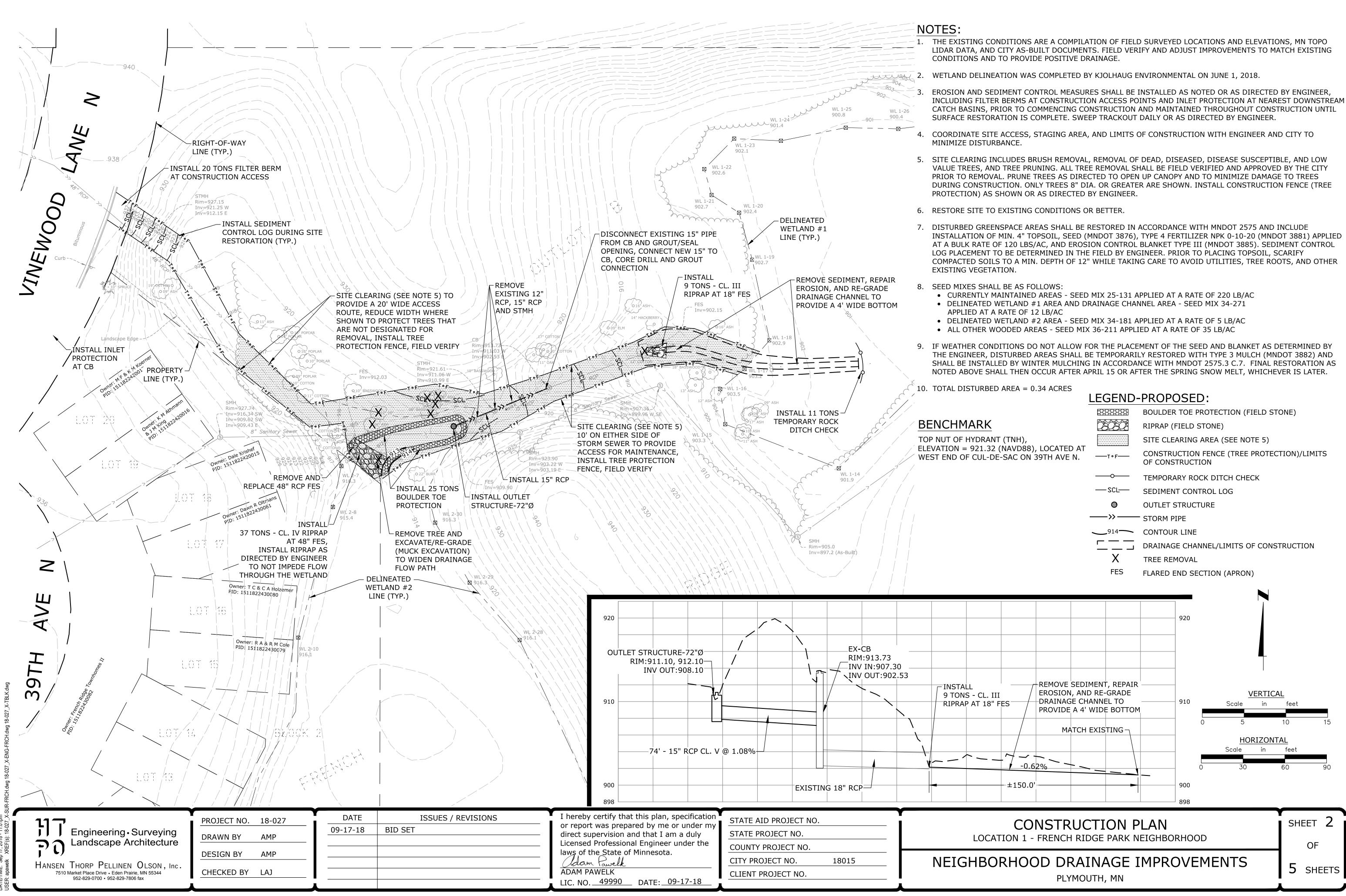
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "C". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF PLYMOUTH STANDARD SPECIFICATIONS.

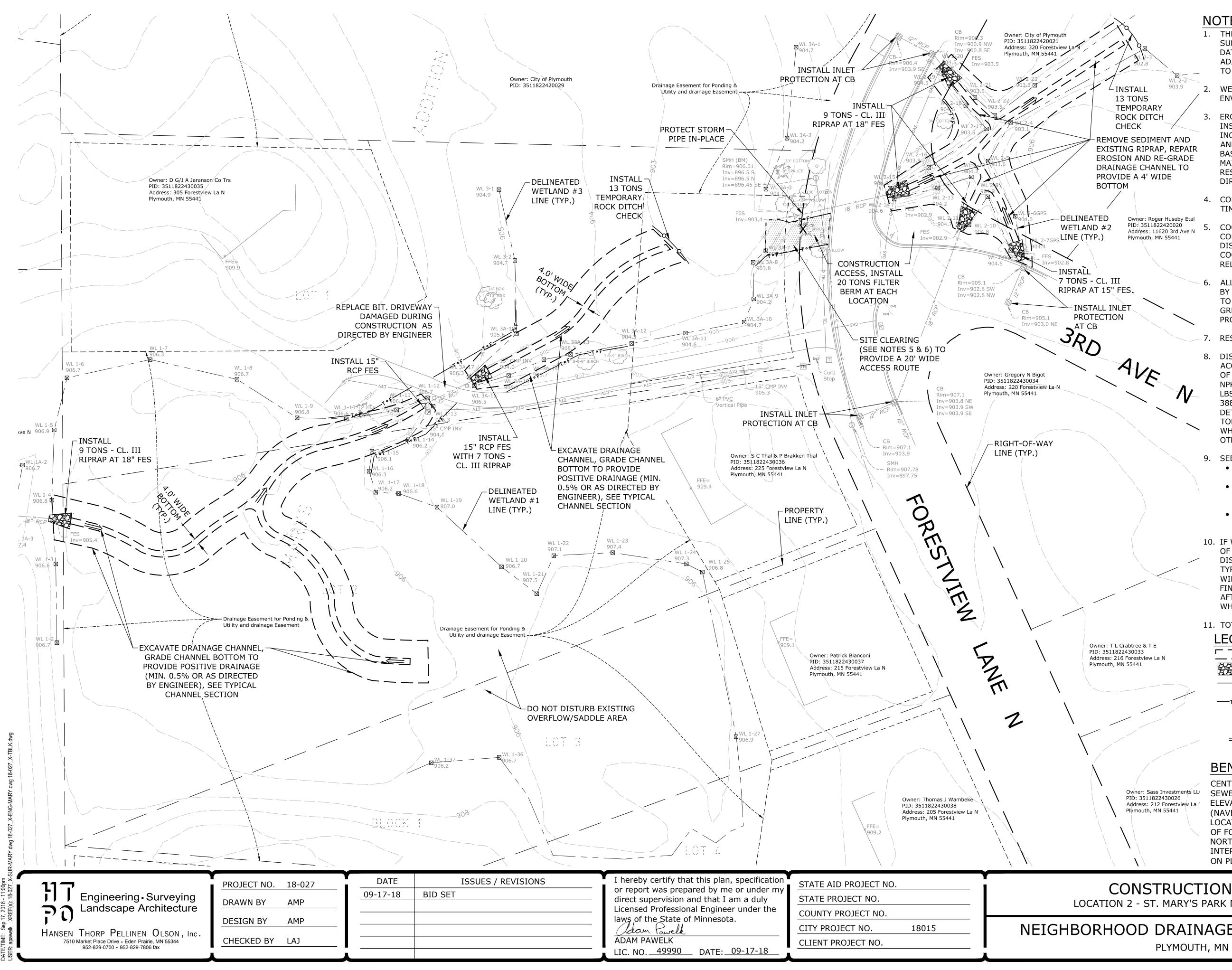
CONSTRUCTION PLAN: LOCATION 1 - FRENCH RIDGE PARK NEIGHBORHOOD CONSTRUCTION PLAN: LOCATION 2 - ST. MARY'S PARK NEIGHBORHOOD CONSTRUCTION PLAN: LOCATION 3 - IVANHOE-PHEASANT HILLS NEIGHBORHOOD CONSTRUCTION DETAILS

CONTRACTOR SHALL DETERMINE LOCATION OF EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PRESERVING THESE. ANY REPAIRS NECESSARY DUE TO CONTRACTORS OPERATIONS SHALL BE MADE AT CONTRACTORS EXPENSE. BEFORE DIGGING CALL: GOPHER STATE ONE CALL

Date	Issues/Revisions	
09-17-18	BID SET	



	E353535353	BOULDER TOE PROTECTION (FIELD STONE)	
		RIPRAP (FIELD STONE)	
NT (TNH),		SITE CLEARING AREA (SEE NOTE 5)	
2 (NAVD88), LOCATED AT DE-SAC ON 39TH AVE N.	T • F	CONSTRUCTION FENCE (TREE PROTECTION)/LIMITS OF CONSTRUCTION	
		TEMPORARY ROCK DITCH CHECK	
		SEDIMENT CONTROL LOG	
	0	OUTLET STRUCTURE	
	>>	- STORM PIPE	
	914	CONTOUR LINE	
		DRAINAGE CHANNEL/LIMITS OF CONSTRUCTION	
Х		TREE REMOVAL	
	FES	FLARED END SECTION (APRON)	
		920	
	IMENT, REPAIR		
$_{ m III}$ / EROSION, AN	D RE-GRADE	VERTICAL	
" FES / DRAINAGE CH	IANNEL TO WIDE BOTTOM	910 Scale in feet	



NOTES:

1. THE EXISTING CONDITIONS ARE A COMPILATION OF FIELD SURVEYED LOCATIONS AND ELEVATIONS, MN TOPO LIDAR DATA, AND CITY AS-BUILT DOCUMENTS. FIELD VERIFY AND ADJUST IMPROVEMENTS TO MATCH EXISTING CONDITIONS AND TO PROVIDE POSITIVE DRAINAGE.

WETLAND DELINEATION WAS COMPLETED BY KJOLHAUG ENVIRONMENTAL ON JUNE 1, 2018.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS NOTED OR AS DIRECTED BY ENGINEER, INCLUDING FILTER BERMS AT CONSTRUCTION ACCESS POINTS AND INLET PROTECTION AT NEAREST DOWNSTREAM CATCH BASINS, PRIOR TO COMMENCING CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION UNTIL SURFACE RESTORATION IS COMPLETE. SWEEP TRACKOUT DAILY OR AS DIRECTED BY ENGINEER.

- 4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES UNLESS CLOSURE OF DRIVEWAYS IS APPROVED BY CITY.
- COORDINATE SITE ACCESS, STAGING AREA, AND LIMITS OF CONSTRUCTION WITH ENGINEER AND CITY TO MINIMIZE DISTURBANCE. PROTECT EXISTING SITE FEATURES IN-PLACE, COORDINATE WITH CITY AND/OR PROPERTY OWNER IF RELOCATION OF FEATURES IS NEEDED FOR CONSTRUCTION
- ALL TREE REMOVAL SHALL BE FIELD VERIFIED AND APPROVED BY THE CITY PRIOR TO REMOVAL. PRUNE TREES AS DIRECTED TO MINIMIZE DAMAGE TO TREES. ONLY TREES 8" DIA. OR GREATER ARE SHOWN. INSTALL CONSTRUCTION FENCE (TREE PROTECTION) AS SHOWN OR AS DIRECTED BY ENGINEER.

RESTORE SITE TO EXISTING CONDITIONS OR BETTER.

DISTURBED GREENSPACE AREAS SHALL BE RESTORED IN ACCORDANCE WITH MNDOT 2575 AND INCLUDE INSTALLATION OF MIN. 4" TOPSOIL, SEED (MNDOT 3876), TYPE 4 FERTILIZER NPK 0-10-20 (MNDOT 3881) APPLIED AT A BULK RATE OF 120 LBS/AC, AND EROSION CONTROL BLANKET TYPE III (MNDOT 3885). SEDIMENT CONTROL LOG PLACEMENT TO BE DETERMINED IN THE FIELD BY ENGINEER. PRIOR TO PLACING TOPSOIL, SCARIFY COMPACTED SOILS TO A MIN. DEPTH OF 12" WHILE TAKING CARE TO AVOID UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION.

SEED MIXES SHALL BE AS FOLLOWS:

- CURRENTLY MAINTAINED AREAS SEED MIX 25-131 APPLIED AT A RATE OF 220 LB/AC
- WETLAND #1 AND #3 AREAS AND SURROUNDING NON-MAINTAINED AREAS - SEED MIX 34-271 APPLIED AT A RATE OF 12 LB/AC
- WETLAND #2 AREA AND SURROUNDING NON-MAINTAINED AREAS - SEED MIX 34-261 APPLIED AT A RATE OF 32 LB/AC
- 10. IF WEATHER CONDITIONS DO NOT ALLOW FOR THE PLACEMENT OF THE SEED AND BLANKET AS DETERMINED BY THE ENGINEER, DISTURBED AREAS SHALL BE TEMPORARILY RESTORED WITH TYPE 3 MULCH (MNDOT 3882) AND SHALL BE INSTALLED BY WINTER MULCHING IN ACCORDANCE WITH MNDOT 2575.3 C.7. FINAL RESTORATION AS NOTED ABOVE SHALL THEN OCCUR AFTER APRIL 15 OR AFTER THE SPRING SNOW MELT, WHICHEVER IS LATER.

11. TOTAL DISTURBED AREA = 0.82 ACRES.

LEGEND-PROPOSED:

_____ DRAINAGE CHANNEL/LIMITS OF CONSTRUCTION

- RIPRAP (FIELD STONE)
- ———— TEMPORARY ROCK DITCH CHECK CONSTRUCTION FENCE (TREE PROTECTION)/LIMITS ——T • F—— OF CONSTRUCTION Х TREE REMOVAL
- \implies DRAINAGE FLOW

BENCHMARK

CENTER OF SANITARY SEWER MANHOLE RIM ELEVATION = 906.01(NAVD88), MANHOLE LOCATED ON WEST SIDE OF FORESTVIEW LA N, NORTH OF 3RD AVE N INTERSECTION, NOTED ON PLAN AS SMH (BM).

