

Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit (LGU) City of Plymouth	Address 3400 Plymouth Blvd. Plymouth, MN, 55447
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1. PROJECT INFORMATION

Applicant Name Ben Scharenbroich	Project Name Quail Ridge Drainage Improvement Project – City Project No. 16017	Date of Application 12/15/2017	Application Number NA
<input checked="" type="checkbox"/> Attach site locator map.			

Type of Decision:

<input type="checkbox"/> Wetland Boundary or Type Sequencing	<input checked="" type="checkbox"/> No-Loss	<input type="checkbox"/> Exemption	<input type="checkbox"/>
<input type="checkbox"/> Replacement Plan	<input type="checkbox"/> Banking Plan		

Technical Evaluation Panel Findings and Recommendation (if any):

<input type="checkbox"/> Approve	<input type="checkbox"/> Approve with conditions	<input type="checkbox"/> Deny
Summary (or attach): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: 12/15/2017		
<input checked="" type="checkbox"/> Approved Denied	<input type="checkbox"/> Approved with conditions (include below)	<input type="checkbox"/>

LGU Findings and Conclusions (attach additional sheets as necessary):

This project is located generally located between 43rd and 44th Avenues North and east of Niagara Lane North in Plymouth, Minnesota. This area was developed during the mid-to-late 1980s as the Quail Ridge residential development. Multiple storm sewer pipes deposit surface water into this wetland area from road and residential properties and the wetland serves as the drainage system for surface water in the area. External sediment deposition from roads and yards as well as internal organic matter decay have blocked the natural flow of water through the wetland system. This has resulted in water flowing around the edges of the wetlands where property and infrastructure are impacted. Surface water is blocked from reaching the middle of the wetlands and has created a flood hazard for some properties and homes adjacent to the wetland system. The City proposes to excavate channels 28' wide up to 4' feet deep to provide for flood protection.

The applicant has requested a decision on the applicability of a no-loss, per WCA 8420.0415 (E) "Excavation limited to removal of deposited sediment in wetlands that are presently utilized as storm water management basins, or excavation and removal of contaminated substrate, when the excavated area is limited to the minimum dimensions necessary for achieving the desired purpose and stabilized to prevent water quality degradation."

The projects plans have been modified to eliminate alignment "A3" which was ~400 lf of channel on the east end of the basin. Primary Alignment Bid Alternate B on the north end of the project was added to the plans to show construction within dedicated drainage easements if Primary Alignment Bid Alternate A is unattainable.

For Replacement Plans using credits from the State Wetland Bank:


Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

- Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).
- Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.
- Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.		
Name Derek Asche	Title Water Resources Manager	
Signature 	Date 12/15/2017	Phone Number and E-mail 763-509-5526 dasche@plymouthmn.gov

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT.

Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

<input checked="" type="checkbox"/> Appeal of an LGU staff decision. Send petition and \$0 fee (if applicable) to: Derek Asche, Water Resources Manager City of Plymouth 3400 Plymouth Blvd. Plymouth, MN, 55447	<input type="checkbox"/> Appeal of LGU governing body decision. Send petition and \$500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155
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4. LIST OF ADDRESSEES

<input checked="" type="checkbox"/> HCD TEP member: Ms. Stacey Lijewski, HCD, 701 Fourth Avenue South, Suite 700, Minneapolis, MN, 55415-1600 (sent electronically)
<input checked="" type="checkbox"/> BWSR TEP member: Mr. Ben Meyer, BWSR, 520 Lafayette Rd. N., St. Paul, MN, 55155 (sent electronically)
<input type="checkbox"/> LGU TEP member (if different than LGU Contact):
<input checked="" type="checkbox"/> DNR TEP member: Becky Horton, MN DNR, 1200 Warner Road, St. Paul, MN 55106 (sent electronically)
<input type="checkbox"/> DNR Regional Office (if different than DNR TEP member) Mr. Jason Spiegel, Area Hydrologist, DNR Division of Ecological and Water Resources, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
<input checked="" type="checkbox"/> WD or WMO (if applicable): BCWMC, c/o Laura Jester, Keystone Waters, LLC, 16415 Hillcrest Lane, Eden Prairie, MN, 55346 (sent electronically)
<input checked="" type="checkbox"/> Applicant and Landowner (if different): BRETT G FELLING & KASEY M WELLMAN 4320 NIAGARA LN N PLYMOUTH MN 55446 BARBARA J BREMER 14920 43RD PL N PLYMOUTH MN 55446 CHRISTOPHER J PERRINE 15000 43RD PL N PLYMOUTH MN 55446 STEPHEN & LYNN BALLINGER 14930 43RD PL N PLYMOUTH MN 55446 RICHARD GRIMSRUD 4325 KINGSVIEW LN N PLYMOUTH MN 55446 ALAN & DEBRA SLACTER 14910 43RD PL N PLYMOUTH MN 55446 STEPHEN & LAURA AMIS 4330 NIAGARA LN N PLYMOUTH MN 55446 DOROTHY SOHN 4355 KINGSVIEW LN N PLYMOUTH MN 55446 BRENT & MICHELLE WILHELM 4340 NIAGARA LN N PLYMOUTH MN 55446 QUAIL RIDGE HOMEOWNERS ASSOCIATION 4255 POLARIS LN N PLYMOUTH MN 55446 MARK & SARAH BILITZ 4365 JUNEAU LN N PLYMOUTH MN 55446 HAROLD & RUTH BOLLINGBERG 4375 KINGSVIEW LN N PLYMOUTH MN 55446 ANDREW & MEGAN MILLER 15015 44TH AVE N PLYMOUTH MN 55446 AMY E WELLIK 15005 44TH AVE N PLYMOUTH MN 55446 LEE A REGENSBURGER 15025 44TH AVE N PLYMOUTH MN 55446 BRITT & JODI HUBLER 14815 44TH PL N PLYMOUTH MN 55446 PAMELA J GUSTAFSON 15035 44TH AVE N PLYMOUTH MN 55446 THOMAS & TAMMIE ZEMKE 4387 JUNEAU LN N PLYMOUTH MN 55446 WILLIAM & ERIN LEW 14805 44TH PL N PLYMOUTH MN 55446 DONALD & LYNNE SCHON 14985 44TH AVE N PLYMOUTH MN 55446 TODD & STEPHANIE FREADRICH 4310 NIAGARA LN N PLYMOUTH MN 55446 BRENT & TIFFANY HOVLAND 4335 KINGSVIEW LN N PLYMOUTH MN 55446 SHAWN S LARKIN 4350 NIAGARA LN N PLYMOUTH MN 55446 LAWRENCE G TSOI 4360 NIAGARA LN N PLYMOUTH MN 55446 NICHOLE A GERL 4375 JUNEAU LN N PLYMOUTH MN 55446

RANDOLPH & JILL CREMERS 4385 JUNEAU LN N PLYMOUTH MN 55446
 STEPHEN M FLANIGAN 14840 44TH PL N PLYMOUTH MN 55446
 GREGORY & RENEE GIBSON 4300 NIAGARA LN N PLYMOUTH MN 55446
 DANIEL & JENNY FOLEY 15010 43RD PL N PLYMOUTH MN 55446
 LISA K FONTAINE 14900 43RD PL N PLYMOUTH MN 55446
 TIMOTHY & PAMELA DAGOBERG 4365 KINGSVIEW LN N PLYMOUTH MN 55446
 JOE & MEI RONG ZHOU 14825 44TH PL N PLYMOUTH MN 55446
 ERIK & TINA BECKETT 14835 44TH PL N PLYMOUTH MN 55446
 JAMES R DVORAK & COLLEEN R TWO-FEATHERS 14905 43RD PL N PLYMOUTH MN 55446
 BAIRD & LORI ALWIN 14995 44TH AVE N PLYMOUTH MN 55446
 MATTHEW & JULIE ADAMS 14980 44TH AVE N PLYMOUTH MN 55441
 PAUL & JOAN RIMMERID 14990 44TH AVE N PLYMOUTH MN 55446

Members of the public who requested notice:

- Corps of Engineers Project Manager: **Melissa Jenny, Army Corps of Engineers, 180 5th Street East, Suite 700, St. Paul, MN, 55101-1678 (sent electronically)**
- BWSR Wetland Bank Coordinator (wetland bank plan decisions only)

5. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf
- Department of Natural Resources Regional Offices:

<u>NW Region:</u>	<u>NE Region:</u>	<u>Central Region:</u>	<u>Southern Region:</u>
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:

US Army Corps of Engineers
 St. Paul District, ATTN: OP-R
 180 Fifth St. East, Suite 700
 St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:
 Minnesota Board of Water and Soil Resources
 Wetland Bank Coordinator
 520 Lafayette Road North
 St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments:

- Project Plans**



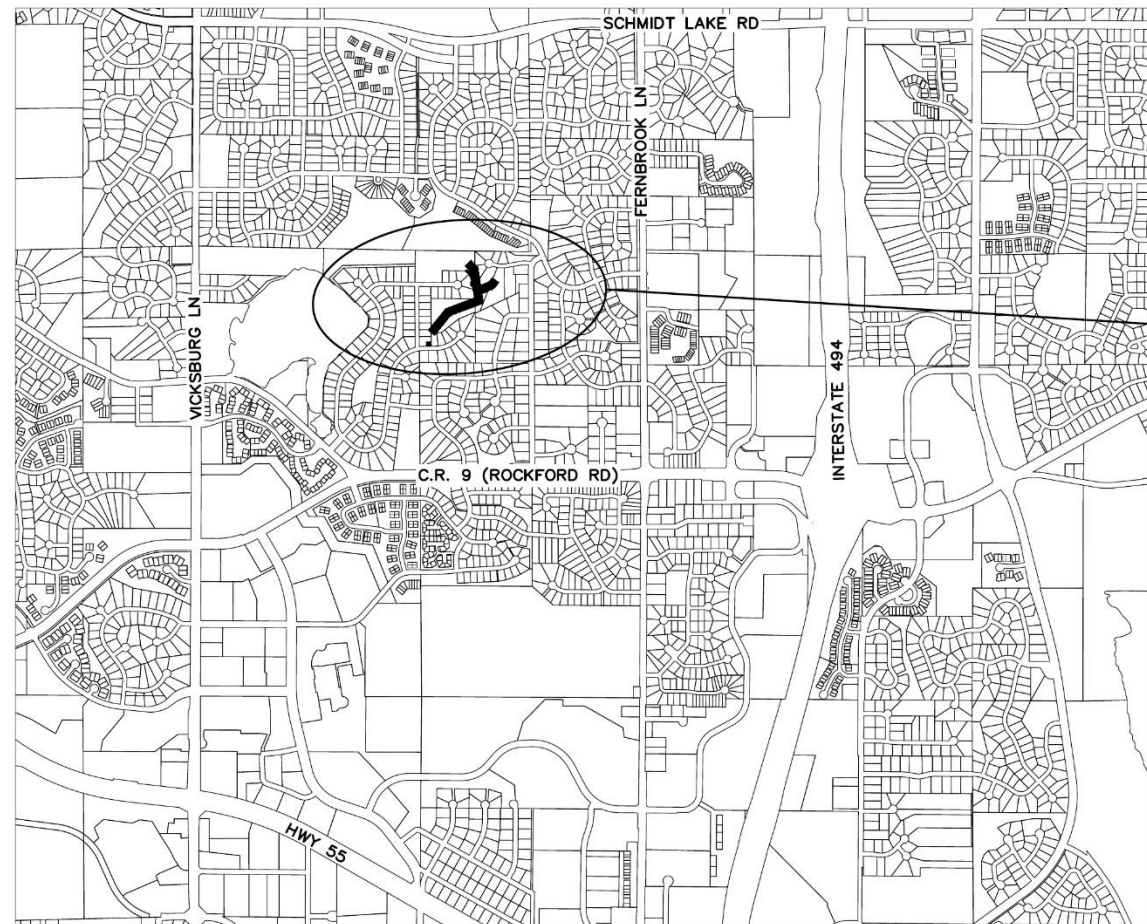
CITY OF PLYMOUTH

HENNEPIN COUNTY, MINNESOTA

CONSTRUCTION PLANS FOR :
DRAINAGE IMPROVEMENTS.

QUAIL RIDGE DRAINAGE IMPROVEMENT

CITY PROJECT NO. 16017



PROJECT AREA

PLAN SYMBOLS

STATE LINE	----
COUNTY LINE	----
TOWNSHIP OR RANGE LINE	----
SECTION LINE	----
QUARTER LINE	----
SIXTEENTH LINE	----
RIGHT-OF-WAY LINE	----
PRESENT RIGHT-OF-WAY LINE	----
CONTROL OF ACCESS LINE	----
PROPERTY LINE (Except Land Lines)	----
VACATED PLATTED PROPERTY	----
CORPORATE OR CITY LIMITS	----
TRUNK HIGHWAY CENTER LINE	----
RETAINING WALL	----
RAILROAD	----
RAILROAD RIGHT-OF-WAY LINE	----
RIVER OR CREEK	----
DRY RUN	----
DRAINAGE DITCH	----
DRAIN TILE	DT
CULVERT	----
DROP INLET	○
GUARD RAIL	----
BARBED WIRE FENCE	W X W
WOVEN WIRE FENCE	W X W
CHAIN LINK FENCE	----
RAILROAD SNOW FENCE	----
STONE WALL OR FENCE	----
HEDGE	----
RAILROAD CROSSING SIGN	+
RAILROAD CROSSING BELL	+
ELECTRIC WARNING SIGN	+
CROSSING GATE	+
MEANDER CORNER	+
SPRINGS	+
MARSH	----
TIMBER	(TIMBER)
ORCHARD	(ORCHARD)
BRUSH	(BRUSH)
NURSERY	(NURSERY)
CATCH BASIN	+
FIRE HYDRANT	+
GATE VALVE	+
SANITARY SEWER MANHOLE	+
STORM SEWER MANHOLE	+
OVERPASS (Highway Over)	+
UNDERPASS (Highway Under)	+
BRIDGE	+
BUILDING (One Story Frame)	+
F-FRAME	+
C-CONCRETE	+
S-STONE	+
T-TILE	+
B-BRICK	+
ST-STUCCO	+
IRON PIPE OR ROD	+
MONUMENT (STONE, CONCRETE, OR METAL)	+
WOODEN HUB	+
GRAVEL PIT	+
ROCK QUARRY	+
MAILBOX	+
SIGN	+
UTILITY SYMBOLS	
POWER POLE LINE	+
TELEPHONE OR TELEGRAPH POLE LINE	+
JOINT TELEPHONE AND POWER ON POWER POLES	+
ON TELEPHONE POLES	+
POWER POLE ANCHOR	+
STEEL TOWER	+
STREET LIGHT	+
PEDESTAL (TELEPHONE CABLE TERMINAL)	+
GAS MAIN	+
WATER MAIN	+
CONDUIT	+
TELEPHONE CABLE IN CONDUIT	+
ELECTRIC CABLE IN CONDUIT	+
TELEPHONE MANHOLE	+
ELECTRIC MANHOLE	+
BURIED TELEPHONE CABLE	+
BURIED ELECTRIC CABLE	+
BURIED TELEVISION CABLE	+
BURIED FIBER OPTIC	+
SEWER, (SANITARY)	+
SEWER, (STORM)	+
SEWER MANHOLE	+

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

GOPHER STATE ONE CALL: (651) 454-0002

GOVERNING SPECIFICATIONS:

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION THE MOST CURRENT, "STANDARD SPECIFICATIONS FOR CONSTRUCTION" THE MOST CURRENT CITY OF PLYMOUTH, "ENGINEERING GUIDELINES", AND THE CONTRACT DOCUMENTS, INCLUDING THE SPECIAL PROVISIONS, SHALL GOVERN. ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

NOTE:

THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITIES BEFORE COMMENCING EXCAVATION.

INDEX:

SHEET NO.	SHEET DESCRIPTION
1	TITLE
2	LAYOUT & NOTES
3	DETAILS
4	SCHEDULE A - PLAN & PROFILE
5	SCHEDULE B - PLAN & PROFILE
6	BID ALTERNATE A & B - PLAN & PROFILE

THIS PLAN SET CONTAINS 6 SHEETS

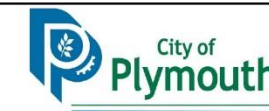
SCALES :

PLAN	50'
(PLAN)	30'
PROFILE	HORIZ. 50'
(X PROFILE)	HORIZ. 30'
	VERT. 5'
X-SECTIONS	HORIZ. 10'
	VERT. 5'

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.

ENGR. _____
MICHAEL J. PAYNE, P.E., ASSISTANT CITY ENGINEER

Reg. No. 50484 Date _____

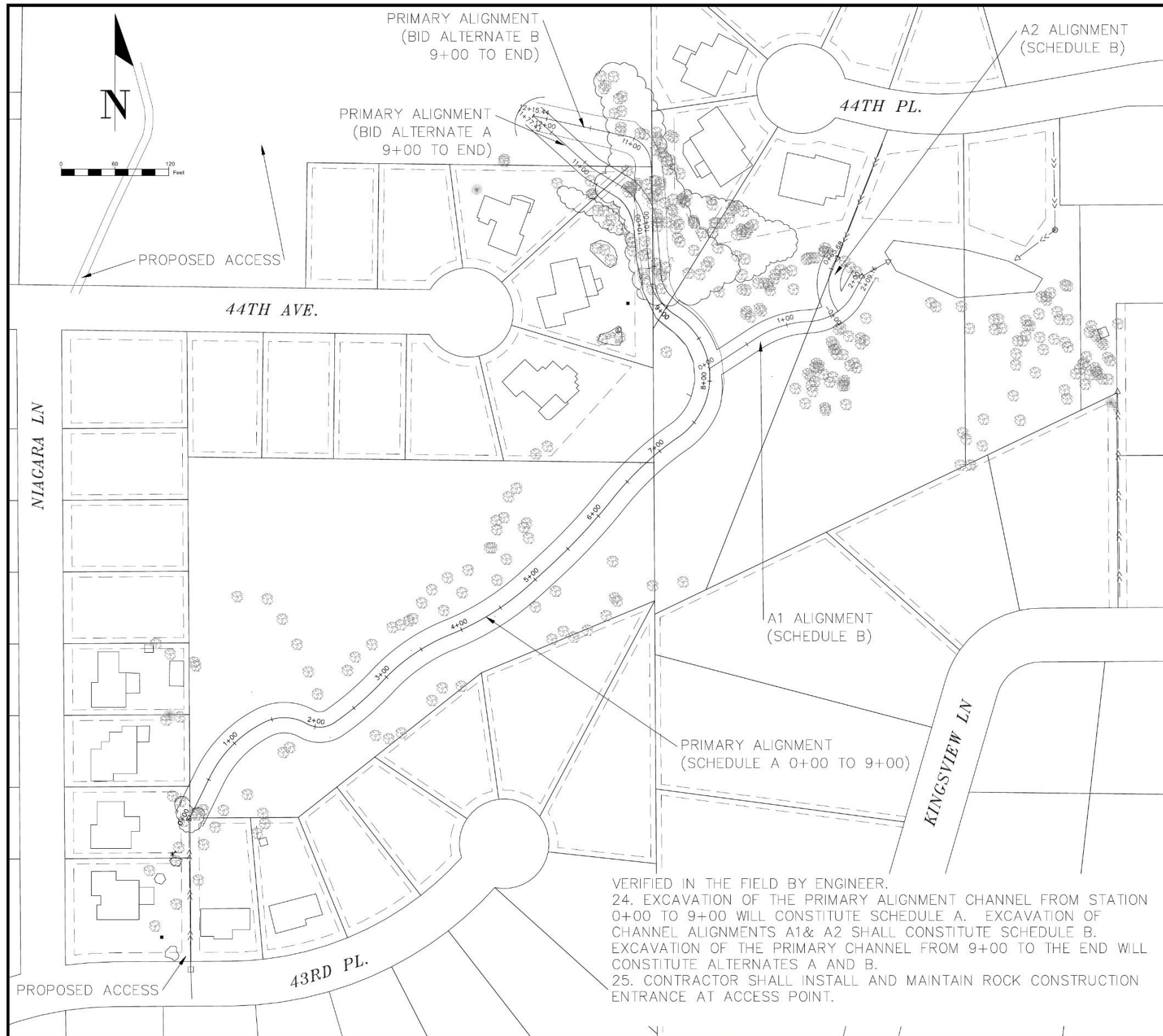


STATE AID PROJECT NO. ###
CITY PROJECT NO. 16017

SHEET 1 OF 6

GENERAL NOTES

1. THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL BEFORE COMMENCING ANY EXCAVATION.
2. ALL EXCESS EXCAVATED MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
3. CONTRACTOR MUST MAINTAIN EROSION CONTROL FOR THE ENTIRE PROJECT.
4. ACCESS TO LOCAL RESIDENCES MUST BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
5. A MINIMUM OF 48 HRS. NOTICE IS REQUIRED FOR ALL STAKING REQUESTS.
6. THE MOST CURRENT CITY OF PLYMOUTH ENGINEERING STANDARD DETAIL SPECIFICATION FOR SEWER, WATER, STORM SEWER, & STREETS APPLY TO THIS PROJECT.
7. NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS MARKED BY THE CITY OF PLYMOUTH FOR REMOVAL.
8. TRAFFIC CONTROL MUST BE PROPERLY MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MNDOT TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS BOOKLET.
9. ACTUAL EXCAVATION LOCATIONS SHALL BE MARKED IN FIELD BY ENGINEER.
10. CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING.
11. CITY SHALL APPLY FOR NPDES PERMIT, IF NECESSARY.
12. PROPOSED SITE ACCESS IS SHOWN ON PLAN. CONTRACTOR SHALL NEGOTIATE WITH HOMEOWNER IF DIFFERENT ACCESS IS DESIRED.
13. CHANNEL ALIGNMENTS TO BE STAKED BY CITY.
14. CONTRACTOR SHALL USE DESIGNATED PROJECT ACCESS POINTS UNLESS ALTERNATE ACCESS POINTS ARE APPROVED BY ENGINEER.
15. EXACT PROJECT ACCESS POINTS SHALL BE MARKED IN THE FIELD BY ENGINEER.
16. AN ESTIMATED 3,180 CY OF MATERIAL IS TO BE EXCAVATED FROM THE PRIMARY ALIGNMENT CHANNEL EXCAVATION, SCHEDULE A, STATION 0+00 TO 9+00; 700 CY FROM SCHEDULE B (ALIGNMENTS A1 & A2); 805 CY FROM BID ALTERNATE A (PRIMARY ALIGNMENT 9+00 TO END); OR 910 CY FROM BID ALTERNATE B.
17. SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES MUST BE CLEANED DAILY (OR MORE FREQUENTLY, AS NECESSARY) FROM PAVED ROADWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION.
18. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE, BUT IN NO CASE LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED.
19. PROVIDE VEGETATIVE COVER CONSISTING OF MNDOT SEED MIX 34-261 SPREAD AT 1.5 TIMES THE USUAL RATE PER ACRE.
20. SIDE SLOPES OF BERMS ABOVE WATER SHALL BE SEEDED WITH MNDOT SEED MIX 34-262 SPREAD AT 1.5 TIMES THE USUAL RATE PER ACRE.
21. MULCH SHALL BE UNIFORMLY APPLIED BY MECHANICAL OR HYDRAULIC MEANS AND STABILIZED BY DISC ANCHORING OR USE OF HYDRAULIC SOIL STABILIZERS.
22. PLACE HEAVY EROSION CONTROL BLANKET (NATURAL NETTING) ON BERM SLOPES AND SLOPES OFF OF OUTLETS.
23. CONTRACTOR SHALL EXCAVATE IN WETLANDS ONLY. NO GRADING OF SIDESLOPES IS PERMITTED.
24. ELEVATION CONTROL BERMS SHALL NOT BE CREATED BY PLACING FILL. THEY SHALL BE CREATED BY EXCAVATING LESS THAN THE TYPICAL SECTION AT EACH DESIGNATED LOCATION TO CREATE THE DESIRED BERM. LOCATION OF ELEVATION CONTROL BERMS WILL BE

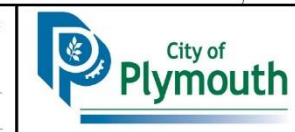


1	11/28/17	TTQ	MJP	MJP	WATERSHED COMMENTS
2	12/13/17	TTQ	MJP	MJP	COMMENTS
NO	DATE	BY	CKD	APPR	REVISION

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.

Signature: XXXXXXXXX
MICHAEL J. PAYNE

Date: 7/19/17 License#: 50484



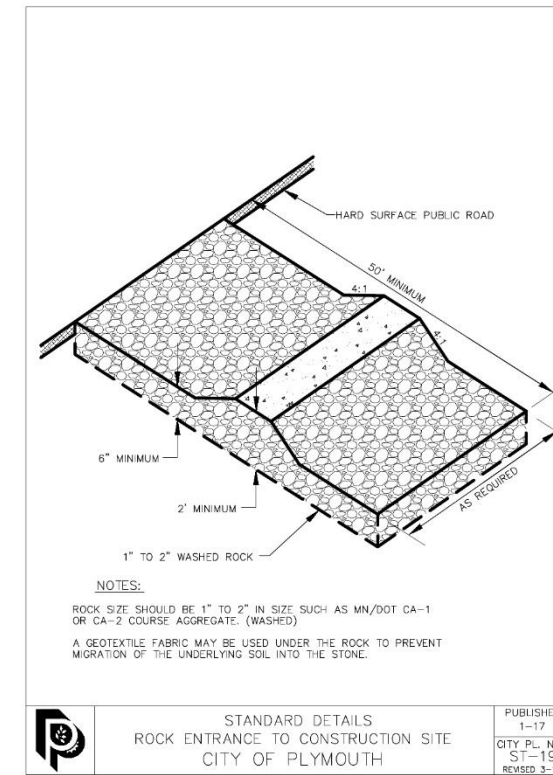
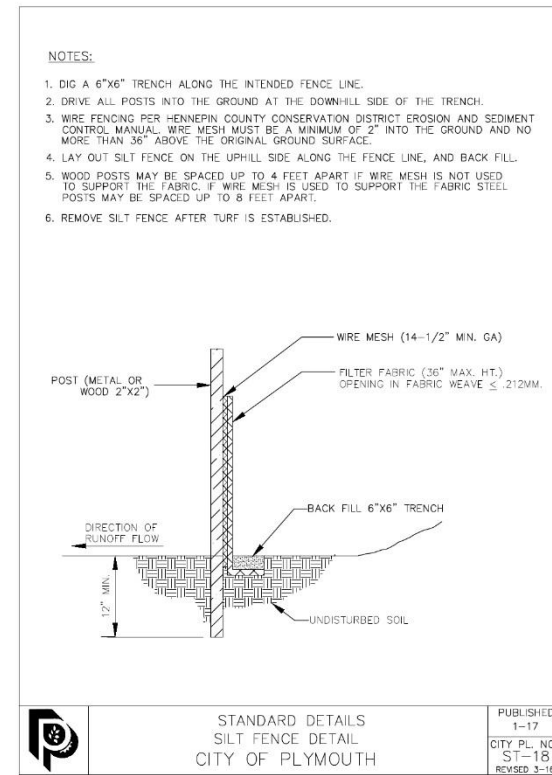
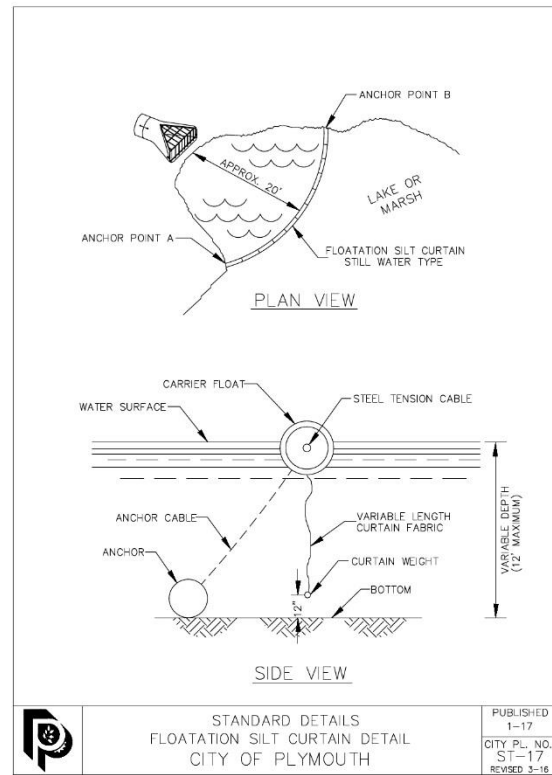
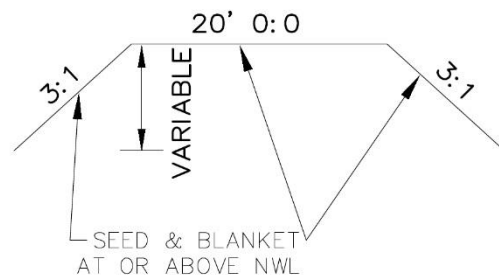
PLYMOUTH, MINNESOTA
QUAIL RIDGE DRAINAGE

LAYOUT & NOTES

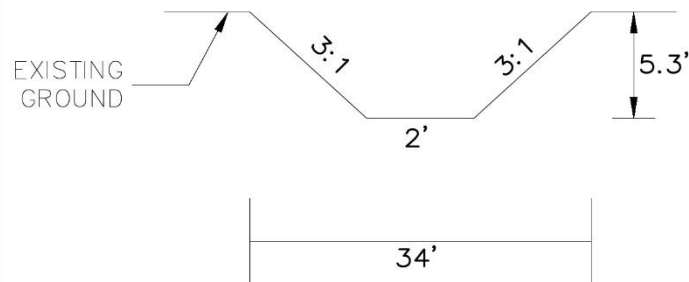
STATE AID PROJECT NO. ###	DRAWN BY T. QUAST	DATE 3-17
COUNTY PROJECT NO. ###	DESIGNED BY M. PAYNE	3-17
CITY PROJECT NO. 16017	CHECKED BY D. ASCHE	4-17
	REVIEWED BY M. PAYNE	4-17

SHEET
2
OF
6

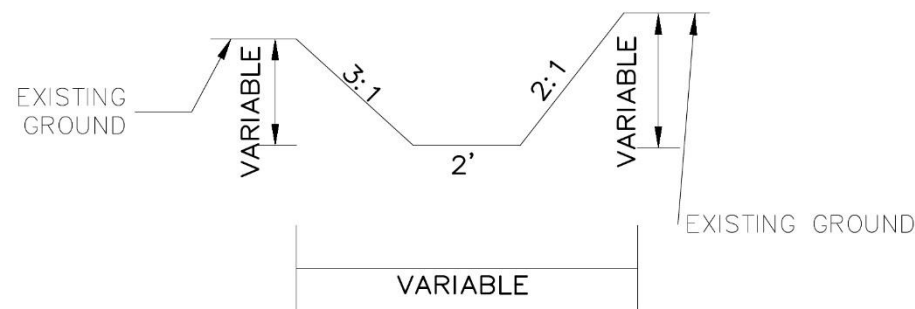
TYPICAL BERM PROFILE DETAIL
PRIMARY ALIGNMENT, STA 8+50 & 11+00



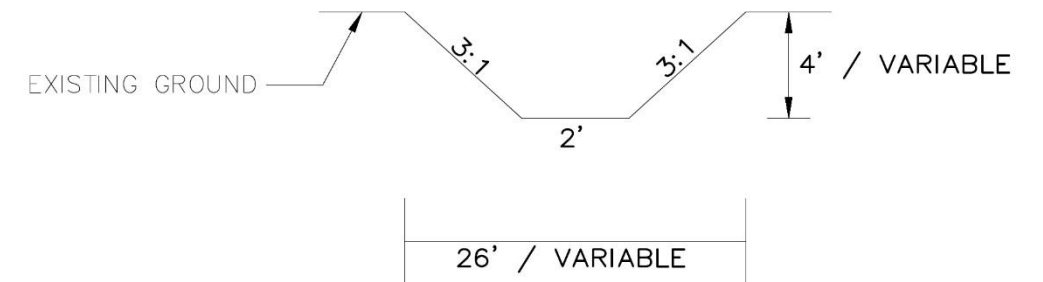
TYPICAL EXCAVATION SECTION
PRIMARY ALIGNMENT, STA 0+00 TO 9+00



EXCAVATION SECTION
PRIMARY ALIGNMENT, STA 9+00 TO 10+50, BID ALT. A
PRIMARY ALIGNMENT, STA 9+00 TO 11+00, BID ALT. B



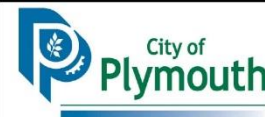
TYPICAL EXCAVATION SECTION
FOR ALL CHANNELS UNLESS NOTED



1	11/28/17	TTQ	MJP	MJP	WATERSHED COMMENTS
2	12/13/17	TTQ	MJP	MJP	COMMENTS
NO	DATE	BY	CKD	APPR	REVISION

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.

Signature: XXXXXXXXX
MICHAEL J. PAYNE
Date: 7/19/17 License# 50484

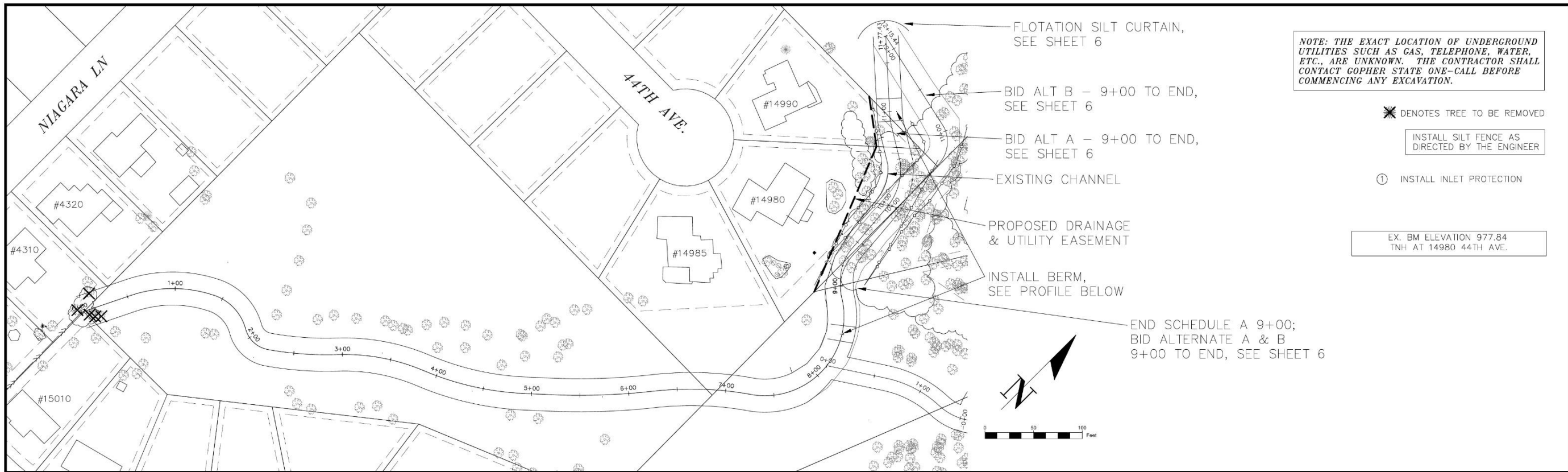


PLYMOUTH, MINNESOTA
QUAIL RIDGE DRAINAGE

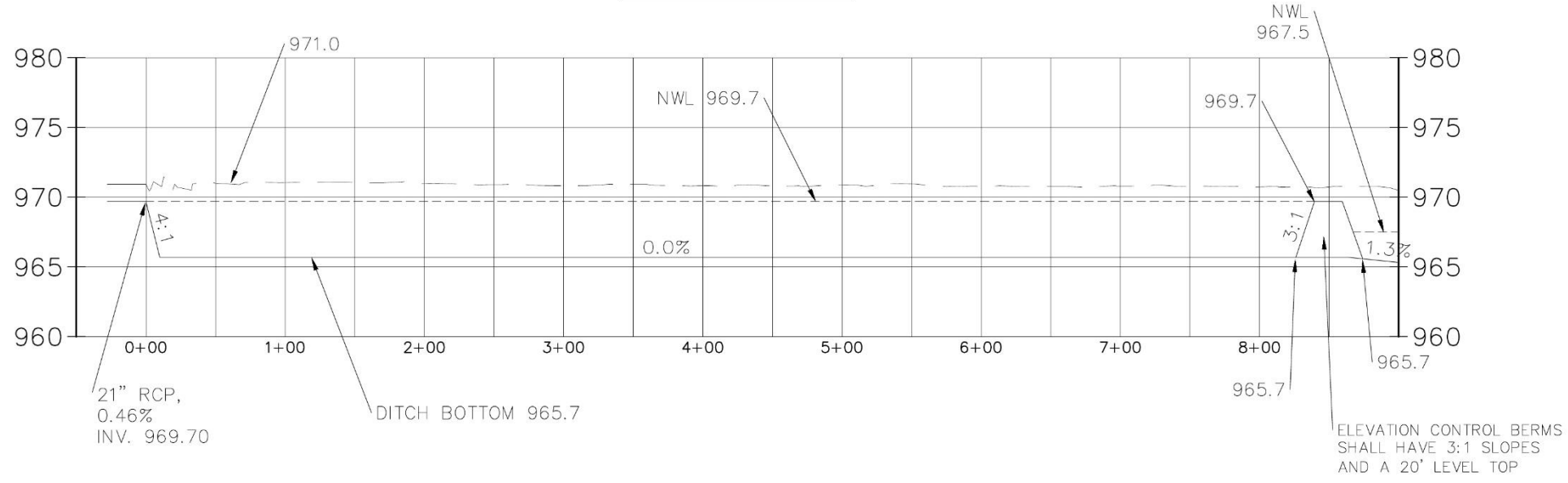
DETAILS

STATE AID PROJECT NO. ###	DRAWN BY J. QUAST	DATE 3-17
COUNTY PROJECT NO. ###	DESIGNED BY M. PAYNE	3-17
CITY PROJECT NO. 16017	CHECKED BY D. ASCHE	4-17
	REVIEWED BY M. PAYNE	4-17

SHEET
3
OF
6

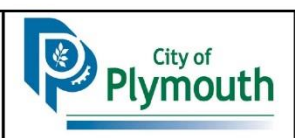


Primary PROFILE



1	11/28/17	TIG	MJP	MJP	WATERSHED COMMENTS
2	12/13/17	TIG	MJP	MJP	COMMENTS
NO	DATE	BY	CKD	APPR	REVISION

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.
 Signature: XXXXXXXXX
 MICHAEL J. PAYNE
 Date: 7/19/17 License#: 50484

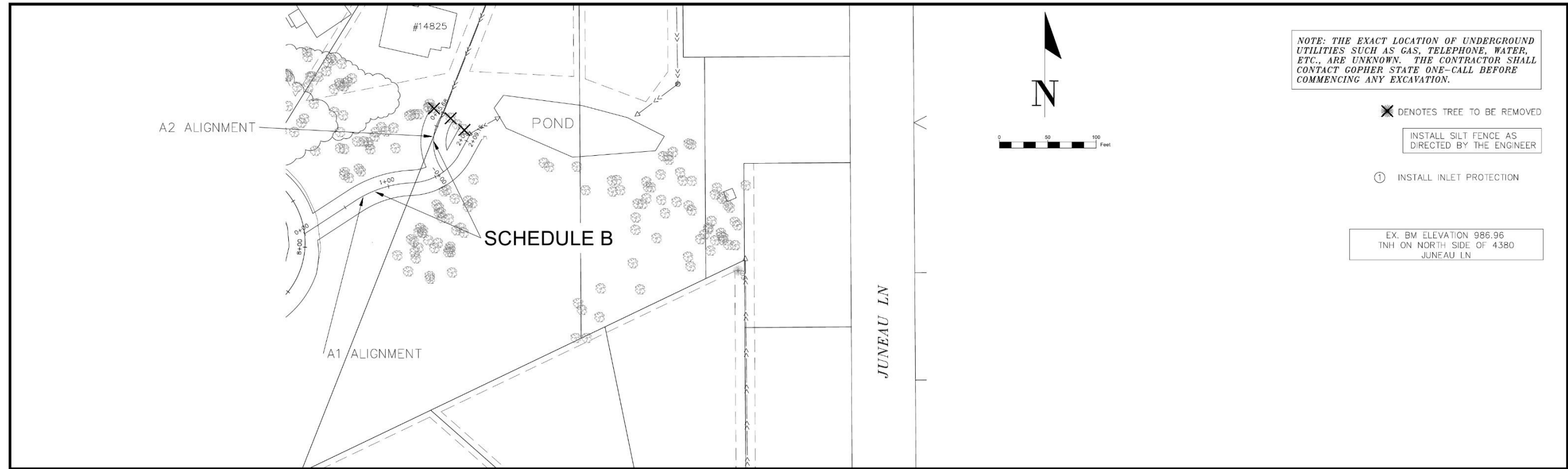


PLYMOUTH, MINNESOTA
 QUAIL RIDGE DRAINAGE

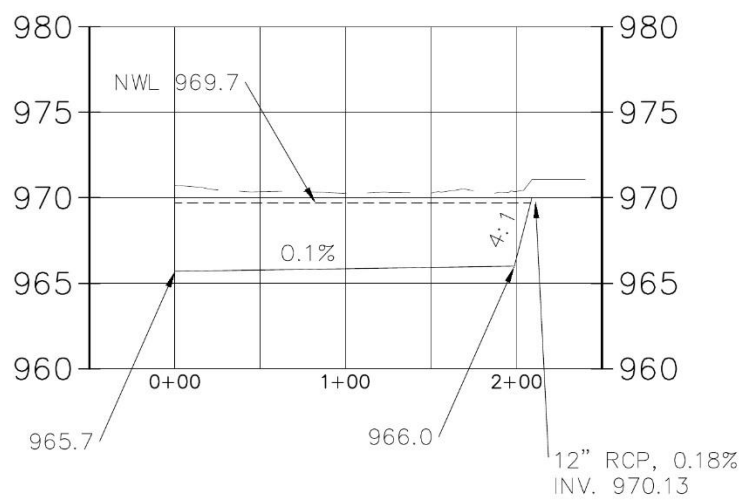
SCHEDULE A
 PLAN & PROFILE SHEET

STATE AID PROJECT NO.	DRAWN BY	DATE
###	I. QUAST	3-17
COUNTY PROJECT NO.	DESIGNED BY	
###	M. PAYNE	3-17
CITY PROJECT NO.	CHECKED BY	
16017	D. ASCHÉ	4-17
	REVIEWED BY	
	M. PAYNE	4-17

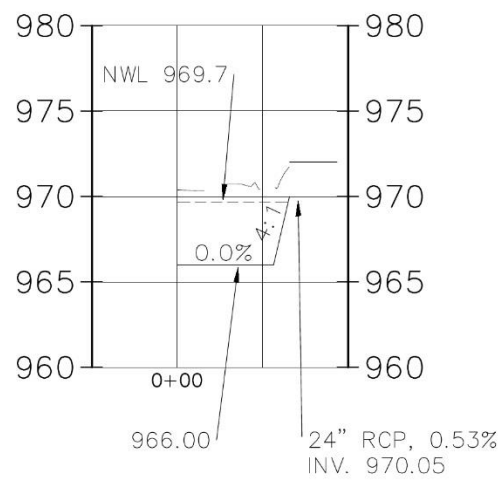
SHEET
 4
 OF
 6



A1 PROFILE



A2 PROFILE



NO	DATE	BY	CKD	APPR	REVISION
1	11/28/17	TTQ	MJP	MJP	WATERSHED COMMENTS
2	12/13/17	TTQ	MJP	MJP	COMMENTS

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.

Signature: **XXXXXXXXXX**
MICHAEL J. PAYNE
Date: 7/19/17 License#: 50484

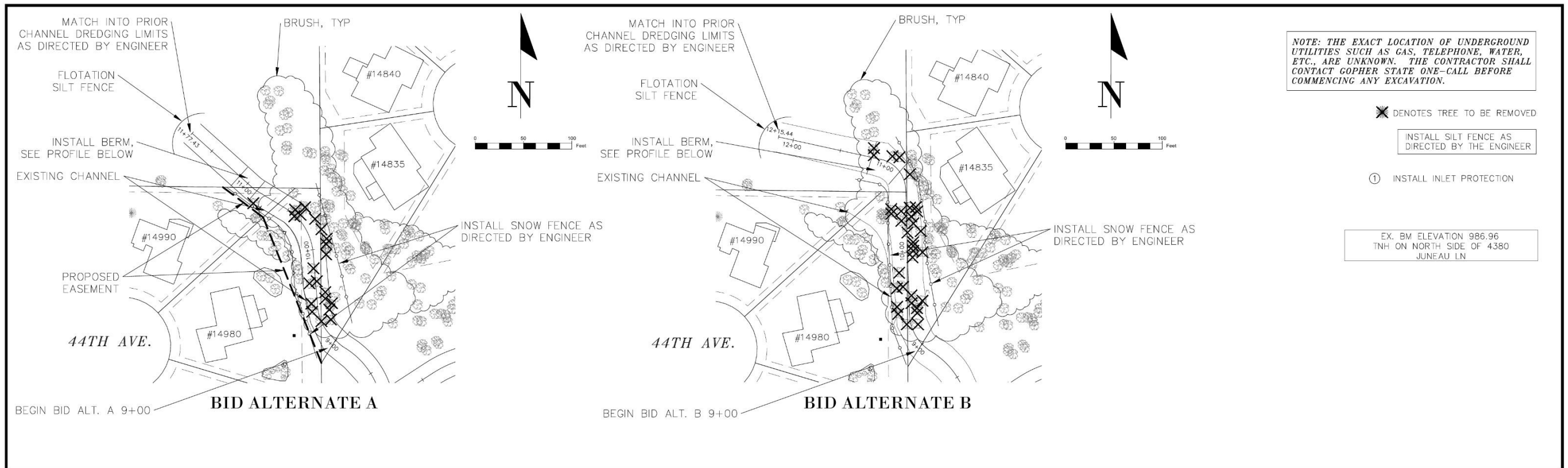


PLYMOUTH, MINNESOTA
QUAIL RIDGE DRAINAGE

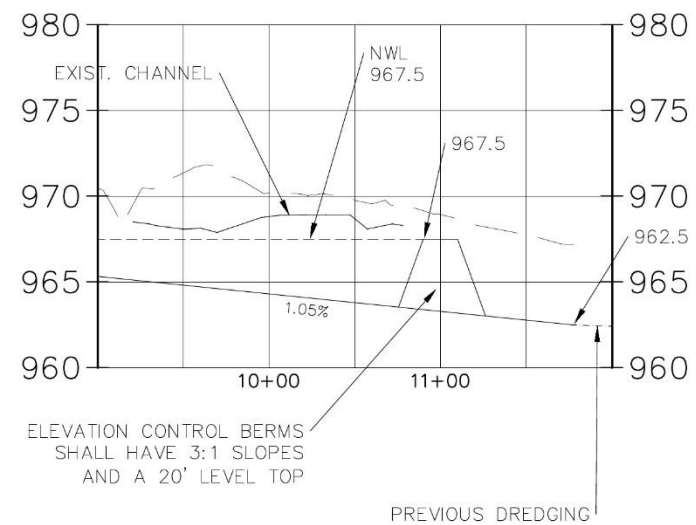
SCHEDULE B
PLAN & PROFILE SHEET

STATE AID PROJECT NO.	DRAWN BY	DATE
###	T. QUAST	3-17
COUNTY PROJECT NO.	DESIGNED BY	
###	M. PAYNE	3-17
CITY PROJECT NO.	CHECKED BY	
16017	D. ASCHE	4-17
	REVIEWED BY	
	M. PAYNE	4-17

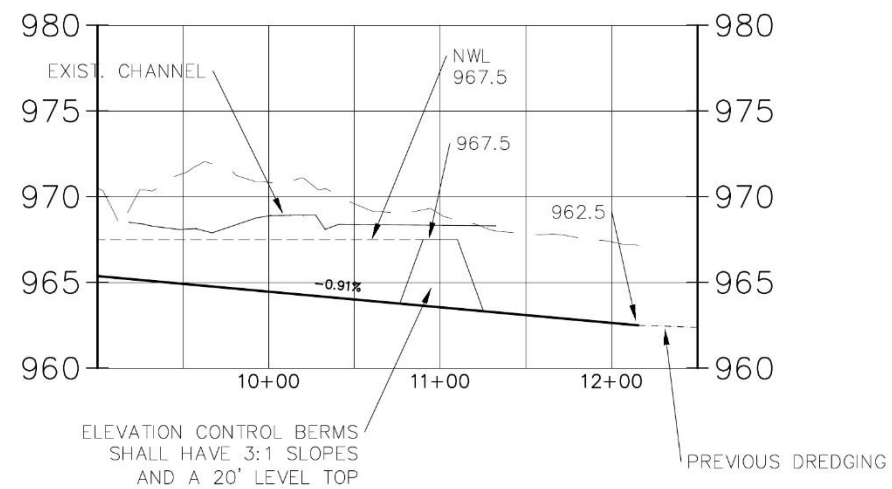
SHEET
5
OF
6



BID ALTERNATE A PROFILE



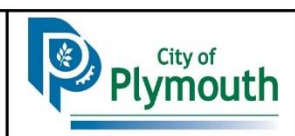
BID ALTERNATE B PROFILE



1	11/28/17	TTQ	MJP	MJP	WATERSHED COMMENTS
2	12/13/17	TTQ	MJP	MJP	COMMENTS
NO	DATE	BY	CKD	APPR	REVISION

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Signature: XXXXXXXXXX
 MICHAEL J. PAYNE
 Date: 7/19/17 License#: 50484



PLYMOUTH, MINNESOTA
 QUAIL RIDGE DRAINAGE

BID ALTERNATE A & B
 PLAN & PROFILE SHEET

STATE AID PROJECT NO. ###	DRAWN BY T. QUAST	DATE 3-17	SHEET 6 OF 6
COUNTY PROJECT NO. ###	DESIGNED BY M. PAYNE	3-17	
CITY PROJECT NO. 16017	CHECKED BY D. ASCH	4-17	
	REVIEWED BY M. PAYNE	4-17	