

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	---
TURF, HIGHWAY CENTER LINE	---
RETAINING WALL	---
RAILROAD	---
RAILROAD RIGHT-OF-WAY LINE	---
RIVER OR CREEK	---
DRY RUN	---
DRAINAGE DITCH	---
DRAIN TILE	---
CULVERT	---
DROP INLET	---
GUARD RAIL	---
BARBED WIRE FENCE	---
WOMEN WIRE FENCE	---
CHAIN LINK FENCE	---
RAILROAD SNOW FENCE	---
STONE WALL OR FENCE	---
EDGE	---
RAILROAD CROSSING SIGN	---
RAILROAD CROSSING BELL	---
ELECTRIC WARNING SIGN	---
CROSSING GATE	---
MEANDER CORNER	---
SPRINGS	---
MARSH	---
ORCHARD	---
BRUSH	---
HURDLE	---
CATCH BASIN	---
FIRE HYDRANT	---
GATE VALVE	---
WATER MAIN	---
WATER MAIN HOLE	---
SNOW SLAM MANHOLE	---
OVERPASS (Highway Over)	---
UNDERPASS (Highway Under)	---
BRIDGE	---
BUILDING (One Story Frame)	---
F-FRAME	---
S-STONE	---
B-BRICK	---
ST-STRUCT	---
IRON PIPE OR ROD	---
MONUMENT (STONE, CONCRETE, OR METAL)	---
WOODEN HUB	---
GRAVEL PIT	---
ROCK QUARRY	---
MANHOLE	---
SIGN	---
UTILITY SYMBOLS	---
POWER POLE LINE	---
TELEPHONE OR TELEGRAPH POLE LINE	---
JOINT TELEPHONE AND POWER ON POWER 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	---
BURNED TELEPHONE CABLE	---
BURNED ELECTRIC CABLE	---
BURNED TELEVISION CABLE	---
BURNED FIBER OPTIC	---
SEWER (SANITARY)	---
SEWER (STORM)	---
SEWER MANHOLE	---



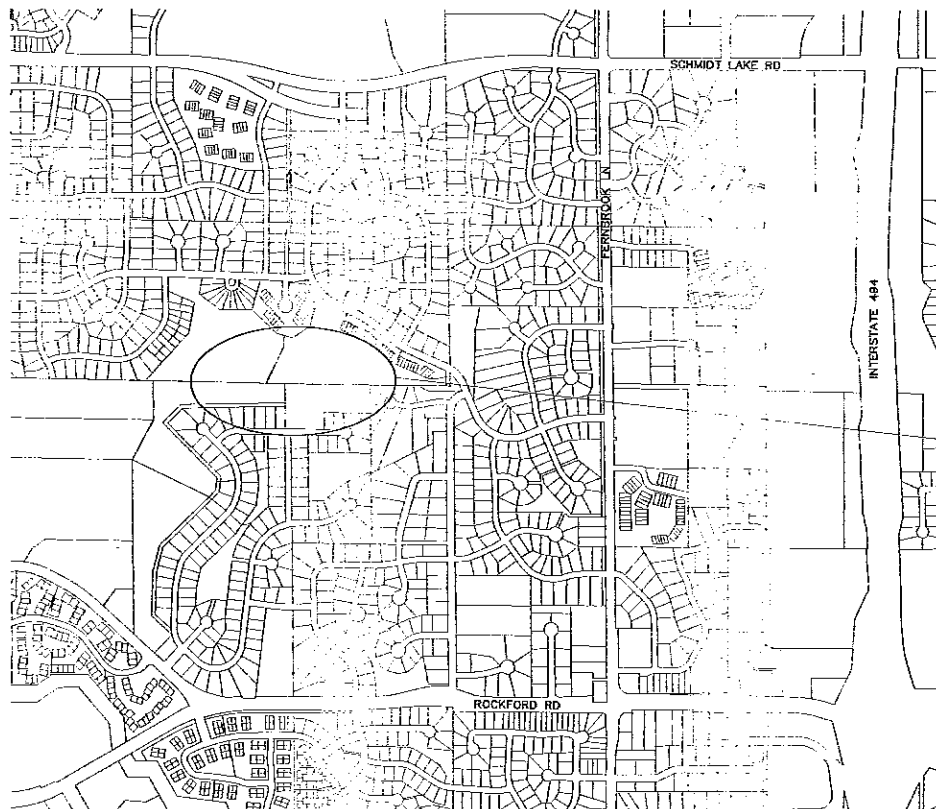
CITY OF PLYMOUTH

HENNEPIN COUNTY, MINNESOTA

CONSTRUCTION PLANS FOR :

TURTLE LAKE DRAINAGE IMPROVEMENT

CITY PROJECT NO. 11020



PROJECT AREA

INDEX :

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION AND NOTES
3	DETAILS
4	PLAN AND PROFILE

THIS PLAN SET CONTAINS 4 SHEETS

GOVERNING SPECIFICATIONS:

THE 2005 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.

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

GOPHER STATE ONE CALL: (651) 454-0002

SCALES :

PLAN	1" = 50'
(PLAN)	1" = 30'
PROFILE	HORIZ 1" = 50'
(X) PROFILE	HORIZ 1" = 30'
	VERT 1" = 5'
X-SECTIONS	HORIZ 1" = 10'
	VERT 1" = 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.

ENGINEER
JAMES W. REINEBERG, P.E., ASSISTANT CITY ENGINEER

DATE _____

APPROVED: ROBERT L. MOBERG, P.E., CITY ENGINEER

DATE _____



CITY OF PLYMOUTH

STATE AID PROJ. NO. _____
CITY PROJ. NO. 11020

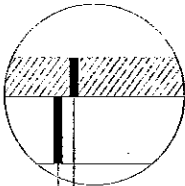
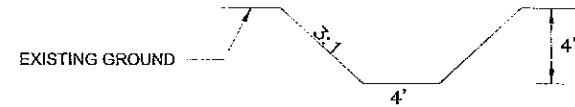
1

4

GENERAL NOTES

1. THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT GOPHER ONE CALL BEFORE COMMENCING ANY EXCAVATION.
2. ALL EXCESS EXCAVATED MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
3. CONTRACTOR MUST MAINTAIN EROSION CONTROL FOR 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. CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING.
10. PROPOSED SITE ACCESS IS SHOWN ON PLAN. CONTRACTOR SHALL NEGOTIATE WITH HOMEOWNER IF DIFFERENT ACCESS IS DESIRED.
11. CHANNEL ALIGNMENTS TO BE STAKED BY CITY.
12. AN ESTIMATED 3,225 CY OF MATERIAL IS TO BE EXCAVATED.

TYPICAL CHANNEL EXCAVATION FOR ALL CHANNELS UNLESS NOTED



3" BITUMINOUS WEARING COURSE
MN/DOT SPEC. 236G TYPE SPWEA240C

6" AGG. BASE CLASS 7
MN/DOT SPEC. 313B A2(a)

TRAIL PATCH DETAIL

					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: JAMES A. REHNBERG Date: 09/07/12 License: 43592	 CITY OF PLYMOUTH	PLYMOUTH, MINNESOTA TURTLE LAKE DRAINAGE IMPROVEMENT CITY PROJECT NO. 11020	GENERAL NOTES & TYPICAL SECTION	<table><tr><td>STATE & PROJ. NO.</td><td>DRAWN BY ALPAYNE</td><td>DATE 9-12</td><td rowspan="4">2</td></tr><tr><td></td><td>CHECKED BY D. ASHBY</td><td>9-12</td></tr><tr><td></td><td>REVIEWED BY J. REHNBERG</td><td>9-12</td></tr><tr><td></td><td></td><td></td></tr><tr><td colspan="3">4</td><td></td></tr></table>	STATE & PROJ. NO.	DRAWN BY ALPAYNE	DATE 9-12	2		CHECKED BY D. ASHBY	9-12		REVIEWED BY J. REHNBERG	9-12				4			
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	CHECKED BY D. ASHBY	9-12																								
	REVIEWED BY J. REHNBERG	9-12																								
4																										

IMPROVEMENT PROJECT: [3']
(PROJECT NAME) [3']
(PROJECT NO.) [2-1/2']

FOR INFORMATION CALL: [2-1/2"]
PROJECT HOTLINE NO. (763) 509-55XX [WHERE APPLICABLE]
PROJECT WEBSITE WWW.PLYMOUTH.NN.US [WHERE APPLICABLE]

(NAME OF CONSULTING ENGINEER) CITY ENGINEERING DIVISION
(NAME OF PROJECT MANAGER) [2-1/2"] (CITY REPRESENTATIVE)
(PHONE NO.) PHONE NO. (763) 505-5500

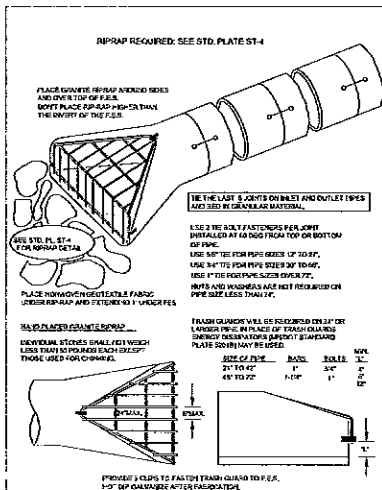
(CONTRACTOR'S NAME)	SCHEDULED COMPLETION DATE:
(ADDRESS) [2-1/2]	(DATE)
(LOCAL PHONE NO.)	

NOTE:
Signs shall be 4' x 4' with a white background with black letters, (no hand lettering) and of proper height to be readily visible from an automobile, and located as directed by engineer. Signs shall be mounted on 4' x 4' posts.

|| [Privacy & Security Information](#)

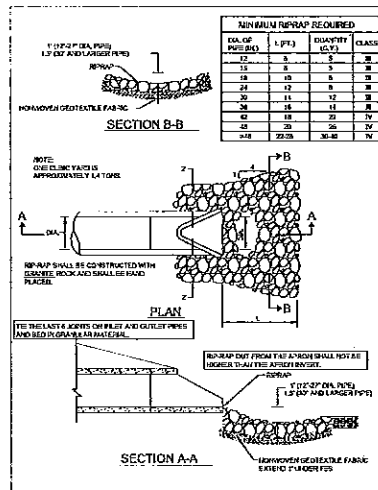
STANDARD DETAILS
STANDARD CITY PROJECT SIGN
CITY OF PLYMOUTH

FILED-ED
3-12
CITY CL. HQ.
DYG-1



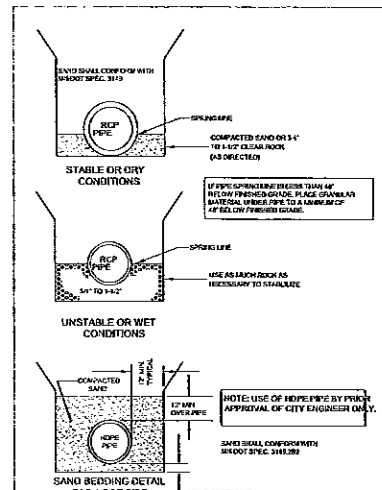
STANDARD DETAILS
INLET & OUTLET F.E.S. WITH TRASH GUARD
CITY OF PLYMOUTH

PLUSHED
342
CITY PL. NO.
ST-3



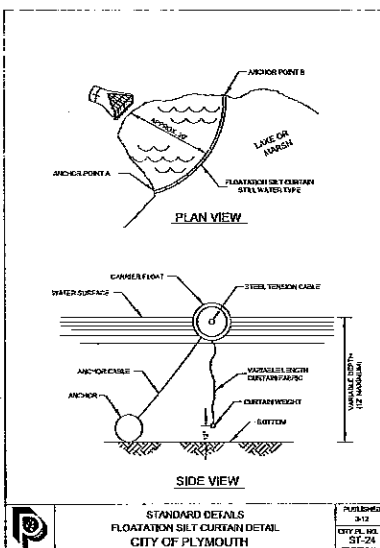
STANDARD DETAILS
RIPRAP DETAIL FOR FLARED END
CITY OF PLYMOUTH

PURCHASE
3-12
CITY PL. NO.
ST-4



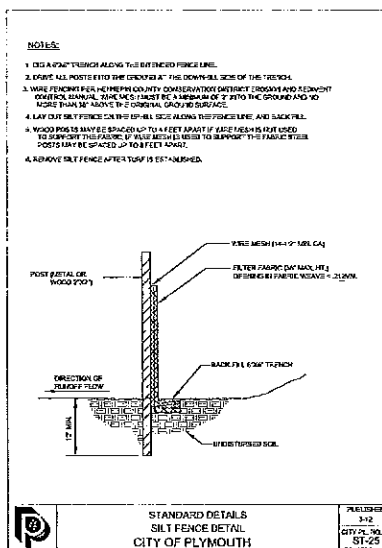
STANDARD DETAILS
STORM SEWER BEDDING
CITY OF PLYMOUTH

FILE #
342
CITY OF
ST-8



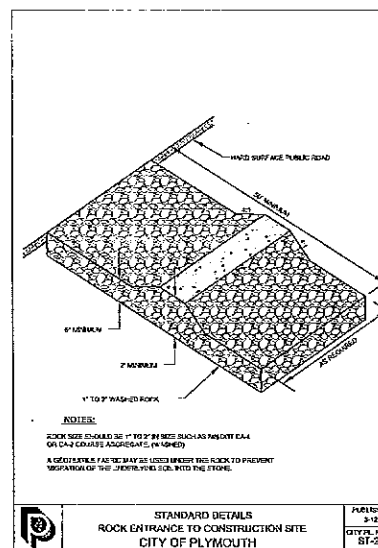
STANDARD DETAILS
FLOTATION SILT CURTAIN DETAIL
CITY OF PLYMOUTH

Pub. No.
3-12
CITY PL. NO.
SF-24



STANDARD DETAILS
SILT FENCE DETAIL
CITY OF PLYMOUTH

PUBLISHED
 3-12
 CITY PL. NO.
 ST-25



STANDARD DETAILS
ROCK ENTRANCE TO CONSTRUCTION SITE
CITY OF PLYMOUTH

FUEL	3-12
CITY PL	ST-2

[illegible]

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: JAMES W. RENNERTAG

Date: 9/20/12 License #: 45512

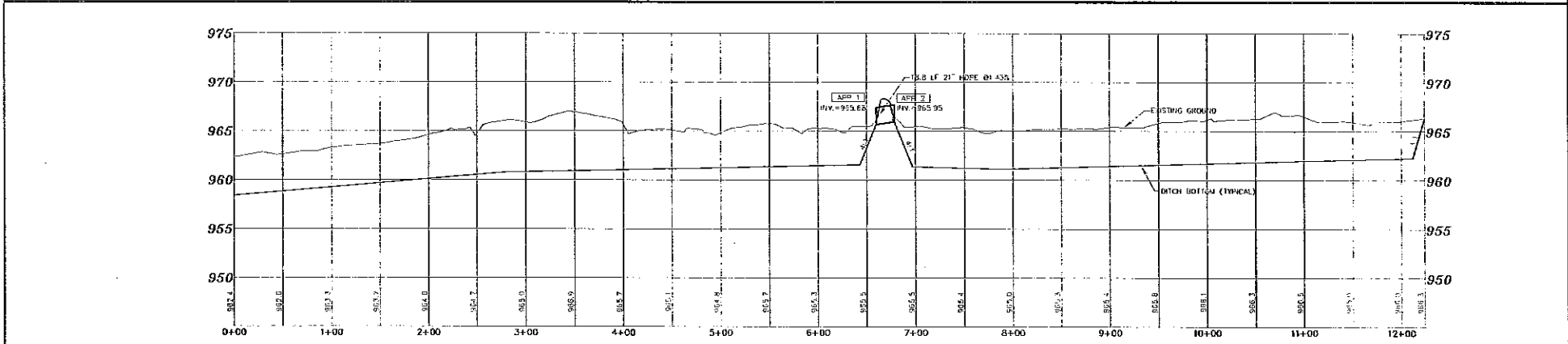
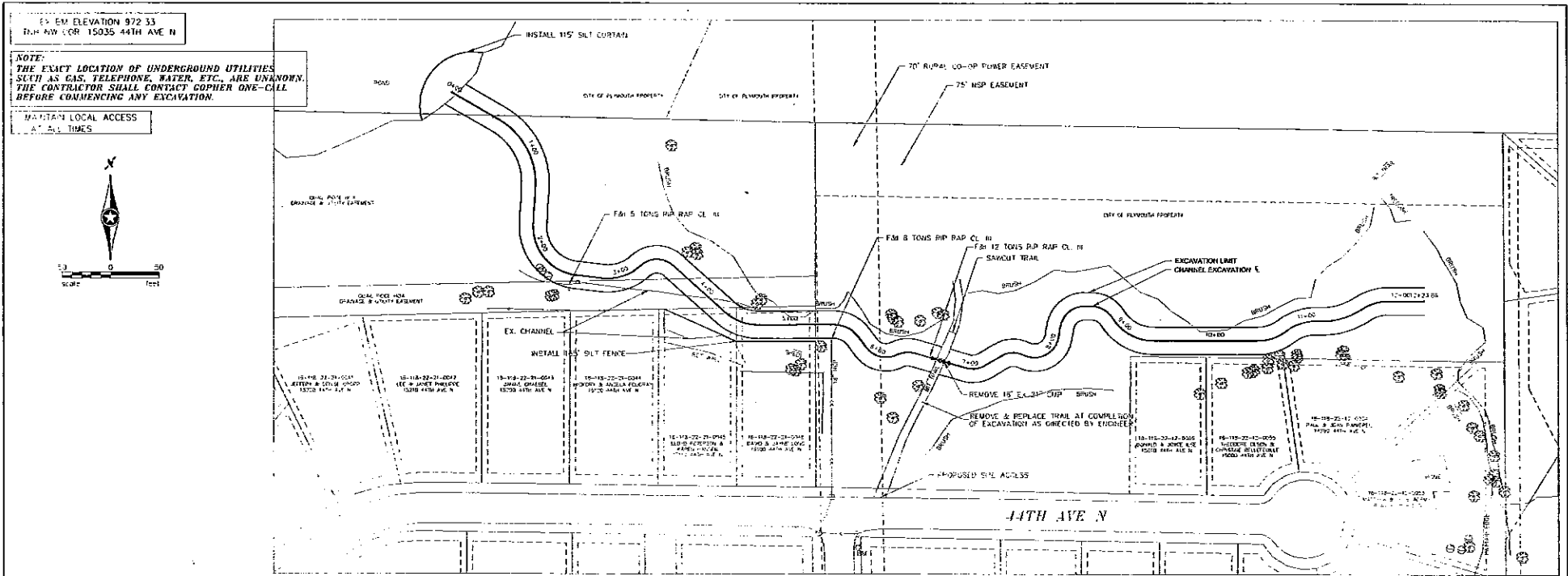


PLYMOUTH, MINNESOTA
TURTLE LAKE DRAINAGE
IMPROVEMENT
CD: 692-EC1 NO. 11030

9129

STATE AID PROJ. NO.	DRAWN BY M. PAYNE	DATE 9-12
	DESIGNED BY M. PAYNE	9-12
DWG. NAME TURTLE LAKE BASE	CHECKED BY D. ASHC	9-12
	REVIEWED BY J. RENNEBERG	9-12

20



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.				CITY OF PLYMOUTH	PLYMOUTH, MINNESOTA TURTLE LAKE DRAINAGE IMPROVEMENT CITY PROJECT NO. 11020	PLAN & PROFILE	DATE: 9-12-12 DRAWN BY: J. B. B.		4
Signature: JAMES W. RENGELING Date: 09/09/12, License: 45512							CHECKED BY: J. B. B. DATE: 9-12-12 REVIEWED BY: J. B. B.		
PREPARED BY: J. B. B. DATE: 9-12-12 BY: J. B. B. CKD: J. B. B. APPR: J. B. B.	REVISION:								