

CITY OF RAMSEY

HEDGEHOG STREET DRAINAGE IMPROVEMENTS

CITY IMPROVEMENT PROJECT NO. 19-10

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

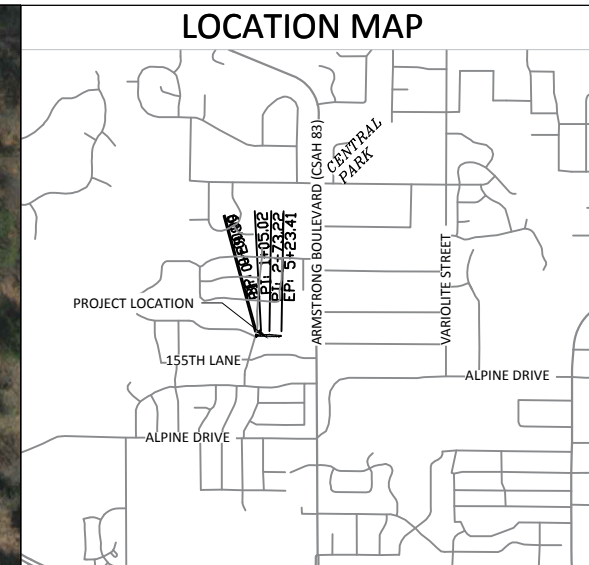
ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

THIS PLAN CONTAINS 5 SHEETS

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	NOTES & DETAILS
3	EXISTING CONDITIONS & REMOVALS
4	GRADING
5	RESTORATION

DRAFT



LEGEND

	LIGHT POLE		EASEMENT
	TREE		RIGHT OF WAY
	TREE		ELECTRIC
	SHRUB		OVERHEAD ELECTRIC
	SIGN		GAS
	VALVE		TELECOMMUNICATIONS
	UTILITY PEDESTAL		STORM SEWER
	HAND HOLE		SANITARY SEWER
	REMOVE TREE		WATERMAIN
	3'X2' CATCH BASIN		SAWCUT PAVEMENT
	MANHOLE		TREE LINE
	INLET PROTECTION		FENCE
	HYDRANT		LANDSCAPING
	VALVE		RETAINING WALL
			5' CONTOUR LINE
			1' CONTOUR LINE
			SILT FENCE
			SURM. CONCRETE CURB & GUTTER
			B618 CONCRETE CURB & GUTTER
			SEEDING AREA
			RIP RAP

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.

JOE FERIANECK, P.E.
CITY OF RAMSEY

57095 DATE ---
LIC. NO.

DATE	REVISION

SHEET 1 OF 5 SHEETS



CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL 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."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002



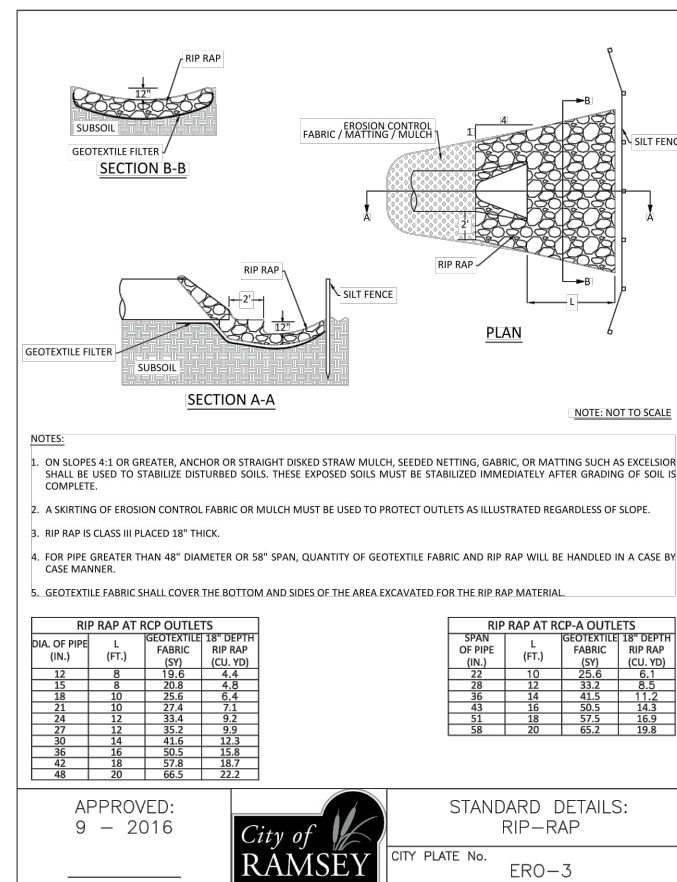
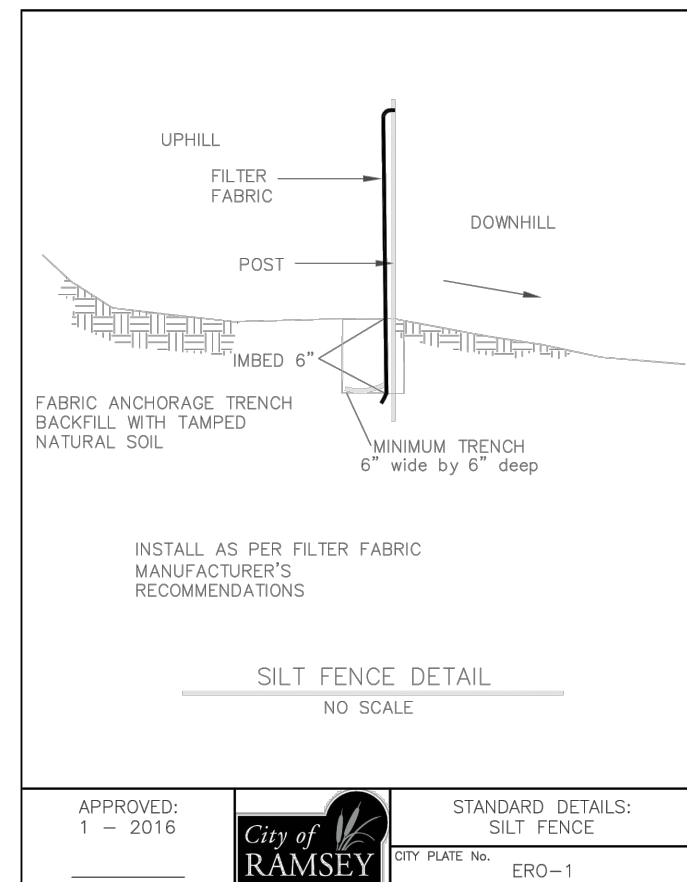
Call before you dig
811
651 454-0002 Metro
800 252-1166 Outstate
www.gopherstateonecall.org

19-10 ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	Mobilization (10%)	LS	1
2	Clearing & Grubbing	ACRE	0
3	Common Excavation	CY	205
4	Random Rip Rap Class III	CY	2
5	Geotextile Fabric Type IV	SY	4
6	Silt Fence, Type MS	LF	40
7	Topsoil (2")	CY	115
8	Seeding	ACRE	0
9	Seed Mixture MnDOT 25-131	LBS	40
10	Fertilizer Type III	LBS	35
11	Erosion Control Blanket Category III	SY	1,560

CONSTRUCTION NOTES:

1. CV TO LV CONVERSION FACTOR = 1.3
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



RIP RAP AT RCP OUTLETS			
DIA. OF PIPE (IN.)	L (FT.)	GEOTEXTILE FABRIC (SY)	RIP RAP 18" DEPTH (CU. YD)
12	8	19.6	4.4
15	8	20.8	4.8
18	10	25.6	6.4
21	10	27.4	7.1
24	12	33.4	9.2
27	12	35.2	9.9
30	14	41.6	12.3
36	16	50.5	15.8
42	18	57.8	18.7
48	20	66.5	22.2

RIP RAP AT RCP-A OUTLETS			
SPAN OF PIPE (IN.)	L (FT.)	GEOTEXTILE FABRIC (SY)	RIP RAP 18" DEPTH (CU. YD)
22	10	25.6	6.4
28	12	33.2	8.5
36	14	41.5	11.4
43	16	50.5	14.3
51	18	57.5	16.9
58	20	65.2	19.8

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JOE FERIANCEK
Lic. No. 57095

DESIGNED BY:
JJF

DRAWN BY:
JJF

CHECKED BY:
JJF

DATE:
9/17/19

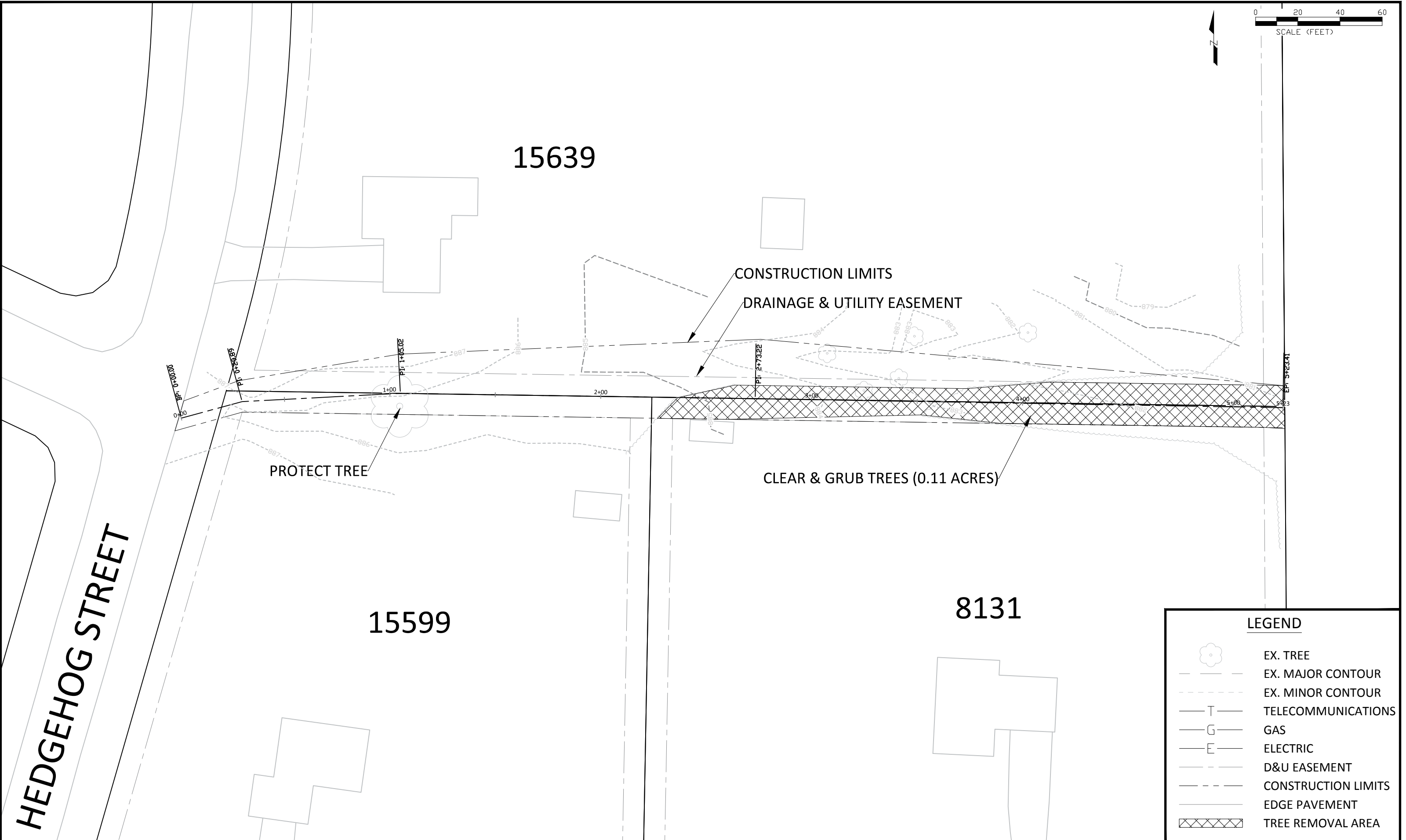
FILE No.
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City of RAMSEY

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NOTES & DETAILS

HEDGEHOG STREET DRAINAGE IMPROVEMENTS
CITY PROJECT NO. 19-10
CITY OF RAMSEY, MINNESOTA



HEDGEHOG STREET

15639

15599

8131

CONSTRUCTION LIMITS
DRAINAGE & UTILITY EASEMENT

PROTECT TREE

CLEAR & GRUB TREES (0.11 ACRES)

LEGEND

- EX. TREE
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- TELECOMMUNICATIONS
- GAS
- ELECTRIC
- D&U EASEMENT
- CONSTRUCTION LIMITS
- EDGE PAVEMENT
- TREE REMOVAL AREA

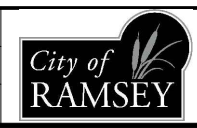
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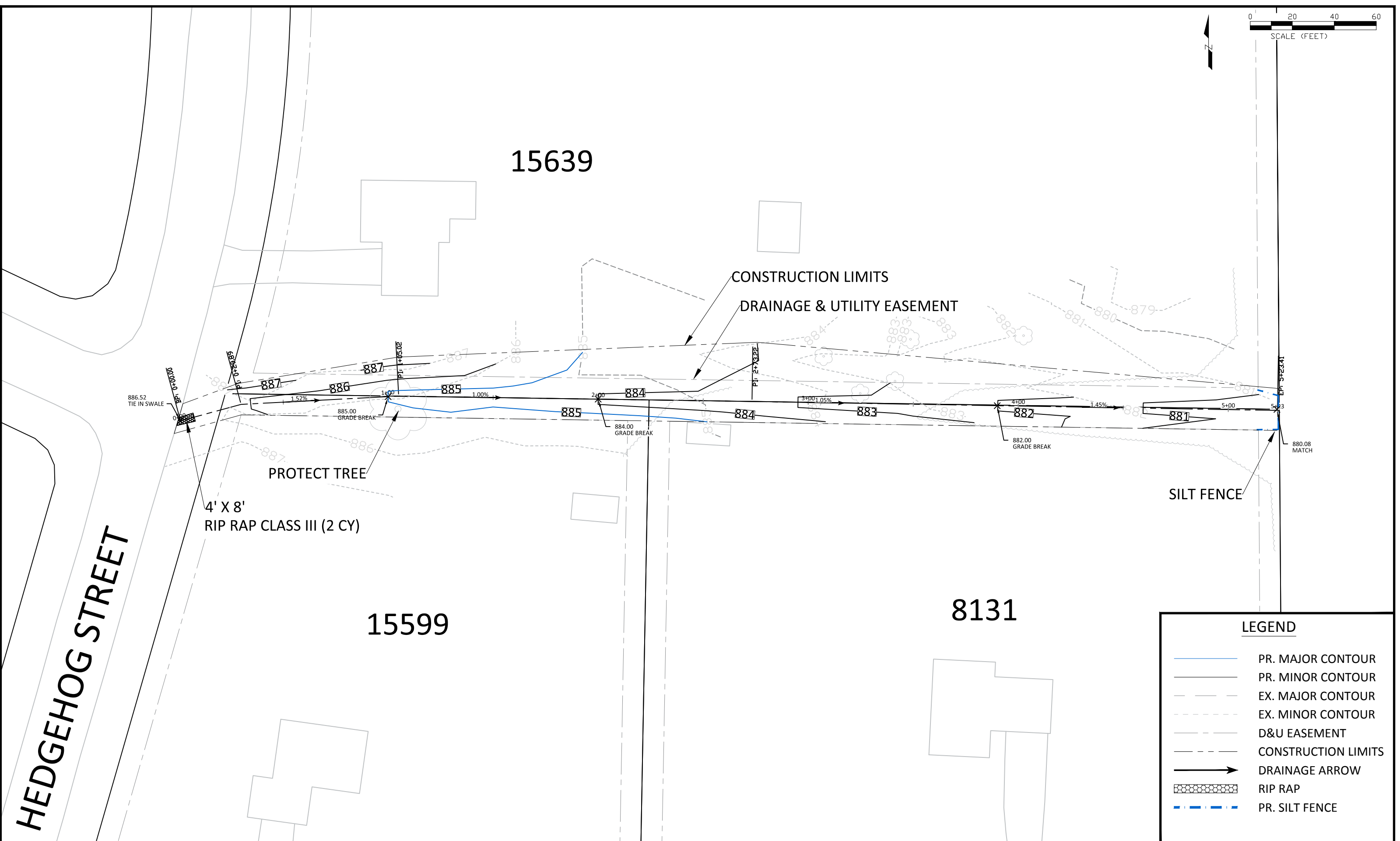
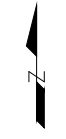
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EXISTING CONDITIONS & REMOVALS

HEDGEHOG STREET DRAINAGE IMPROVEMENTS
CITY PROJECT NO. 19-10
CITY OF RAMSEY, MINNESOTA



HEDGEHOG STREET

LEGEND	
	PR. MAJOR CONTOUR
	PR. MINOR CONTOUR
	EX. MAJOR CONTOUR
	EX. MINOR CONTOUR
	D&U EASEMENT
	CONSTRUCTION LIMITS
	DRAINAGE ARROW
	RIP RAP
	PR. SILT FENCE

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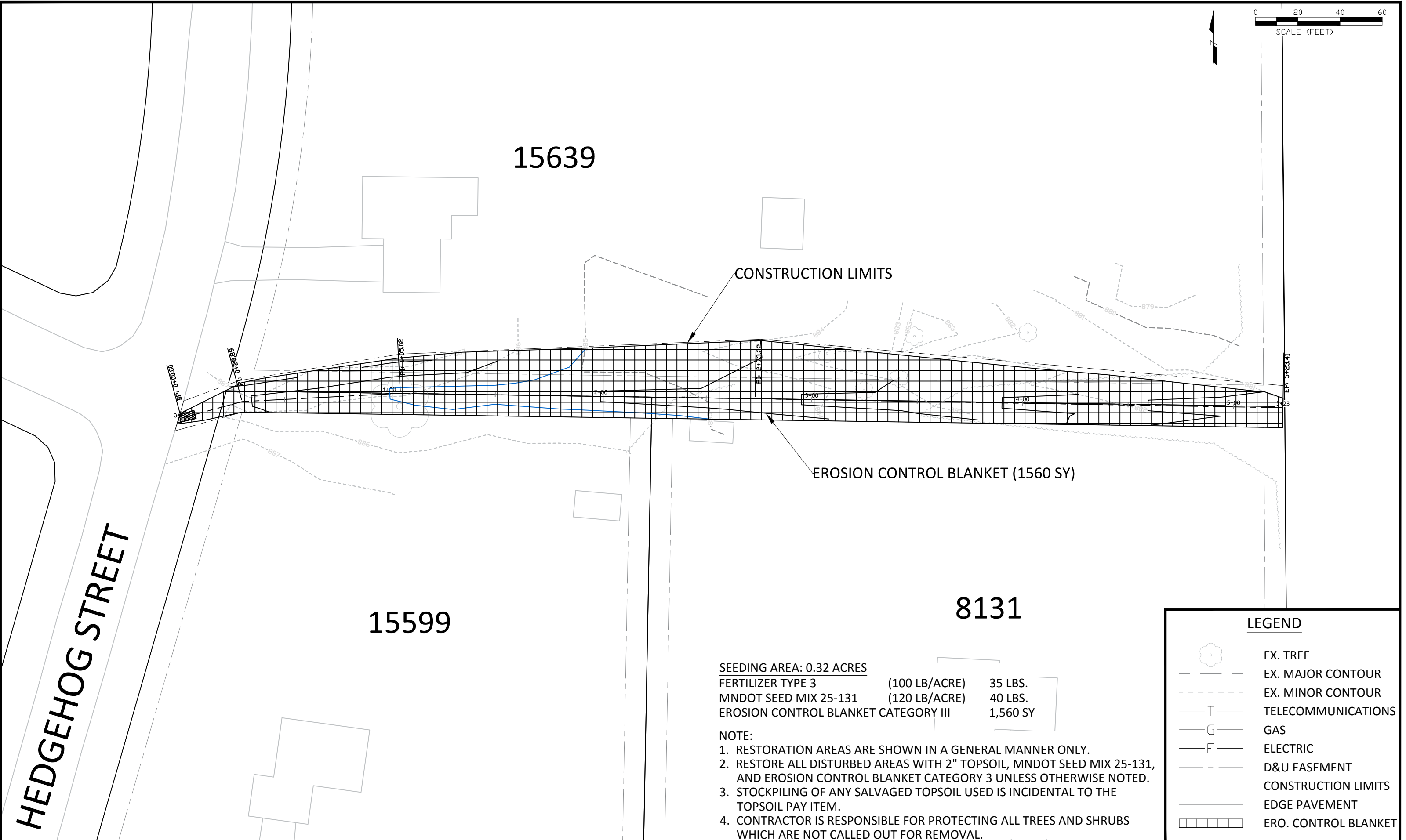
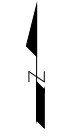
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GRADING

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HEDGEHOG STREET

15639

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8131

CONSTRUCTION LIMITS

EROSION CONTROL BLANKET (1560 SY)

SEEDING AREA: 0.32 ACRES
 FERTILIZER TYPE 3 (100 LB/ACRE) 35 LBS.
 MNDOT SEED MIX 25-131 (120 LB/ACRE) 40 LBS.
 EROSION CONTROL BLANKET CATEGORY III 1,560 SY

- NOTE:
1. RESTORATION AREAS ARE SHOWN IN A GENERAL MANNER ONLY.
 2. RESTORE ALL DISTURBED AREAS WITH 2" TOPSOIL, MNDOT SEED MIX 25-131, AND EROSION CONTROL BLANKET CATEGORY 3 UNLESS OTHERWISE NOTED.
 3. STOCKPILING OF ANY SALVAGED TOPSOIL USED IS INCIDENTAL TO THE TOPSOIL PAY ITEM.
 4. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES AND SHRUBS WHICH ARE NOT CALLED OUT FOR REMOVAL.

LEGEND

- EX. TREE
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- TELECOMMUNICATIONS
- GAS
- ELECTRIC
- D&U EASEMENT
- CONSTRUCTION LIMITS
- EDGE PAVEMENT
- ERO. CONTROL BLANKET

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RESTORATION

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