

CITY OF RAMSEY

SUNFISH LAKE PARK PARKING LOT IMPROVEMENTS

CITY IMPROVEMENT PROJECT NO. 18-07



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

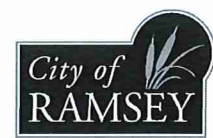
THIS PLAN CONTAINS 6 SHEETS

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3	DETAILS
4	EXISTING CONDITIONS AND REMOVALS
5	PROPOSED SITE LAYOUT
6	GRADING AND EROSION CONTROL

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.

Bruce Westby
 BRUCE R WESTBY, P.E.
 RAMSEY CITY ENGINEER

40116 DATE 9/6/18
 LIC. NO.



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



DATE	REVISION

Sep 06, 2018 - 10:42am
 G:\Engineering\AutoCad Dwg\Projects N-Z\Sunfish Lake Park Parking Lot 18-07\Plan Drawing\18-07_Details.dwg

18-07 SUNFISH LAKE PARK PARKING LOT IMPROVEMENTS

STATEMENT OF ESTIMATED QUANTITIES

ALTERNATIVE A: POROUS BITUMINOUS PAVEMENT

ITEM No.	NOTE	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1		MOBILIZATION	LS	1
2	1	REMOVE CONCRETE CURB AND GUTTER	LF	113
3		REMOVE TREE	TREE	3
4	1	SAWING CONCRETE PAVEMENT - FULL DEPTH	LF	4
5	1	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	113
6	2, 5	COARSE FILTER AGGREGATE (1") (LV)	TON	9
7	2	COMMON EXCAVATION (EV)	CY	203
8	3	POROUS PAVEMENT (2 X 2" LIFTS)	TON	50
9		CONCRETE CURB & GUTTER DESIGN B612 - TIP OUT	LF	147
10	2, 5	CRUSHED ROCK (1.5') (LV)	TON	153
11		GEOTEXTILE FABRIC TYPE III - NON WOVEN	SY	280
12	7	TRAFFIC CONTROL	LS	1
13	8	SALVAGED TOPSOIL (4")	SY	67
14		SEDIMENT CONTROL BIO LOGS	LF	150
15		INLET PROTECTION	EA	1

ALTERNATIVE B: STANDARD BITUMINOUS PAVEMENT

ITEM No.	NOTE	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1		MOBILIZATION	LS	1
2	1	REMOVE CONCRETE CURB AND GUTTER	LF	113
3		REMOVE TREE	TREE	3
4	1	SAWING CONCRETE PAVEMENT - FULL DEPTH	LF	4
5	1	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	113
6	2, 5	AGGREGATE BASE CLASS 5 (LV)	TON	41
7	2	COMMON EXCAVATION (EV)	CY	107
8	6	BITUMINOUS MATERIAL FOR TACK COAT	GAL	16
9	4	TYPE SP 9.5 WEARING COURSE MIXTURE (SPWEA340C) (1.5")	TON	18
10	4	TYPE SP 12.5 NON WEARING COURSE MIXTURE (SPNWB330C) (2.0")	TON	24
11		CONCRETE CURB & GUTTER DESIGN B612 - TIP OUT	LF	147
12	7	TRAFFIC CONTROL	LS	1
13	8	SALVAGED TOPSOIL (4")	SY	67
14		SEDIMENT CONTROL BIO LOGS	LF	150
15		INLET PROTECTION	EA	1

PAY ITEM NOTES:

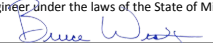
1. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.
2. EV TO CV CONVERSION FACTOR = 1.2.
3. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 113 LB/SY-IN.
4. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 110 LB/SY-IN.
5. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 1.4 TONS/CY.
6. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 0.07 GAL/SY.
7. LUMP SUM QUANTITY SHALL INCLUDE ALL COST REQUIRED FOR MAINTAINING ALL FLAGGING OPERATIONS AS NECESSARY, MAINTAINING PEDESTRIAN ACCESS ROUTES, ANY SIGNAGE AND BARRICADES AS NECESSARY.
8. THE CONTRACTOR SHALL SALVAGE ON-SITE TOPSOIL AND PLACE MINIMUM 4" OVER DISTURBED AREAS. THIS PAY ITEM INCLUDES FINAL GRADING OF THE TOPSOIL IN PREPARATION FOR SEEDING. SEEDING WITH NATIVE PRAIRIE SEED MIX IS BEING COMPLETED UNDER A SEPARATE CONTRACT.

GENERAL NOTES:

1. 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.
2. THE CITY HAS A 2" WATER SERVICE LINE WHICH MAY BE IMPACTED BY CONSTRUCTION. IF THIS LINE IS IMPACTED BY CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE CITY TO HAVE THE WATER SUPPLY SHUT OFF. THE CONTRACTOR WILL CLEANLY CUT THE LINE AT THE LIMITS OF CONSTRUCTION WITHOUT FURTHER DAMAGE TO THE LINE. THE CITY WILL REPAIR THIS LINE UNDER A SEPARATE CONTRACT AS NECESSARY.

DATE	REVISION

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 BRUCE WESTBY
 Date 9/6/18 Lic. No. 40116

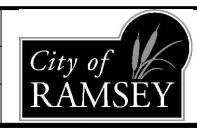
DESIGNED BY:
JJF

DRAWN BY:
JJF

CHECKED BY:
BRW

DATE:
6/28/2018

FILE No.
18-07

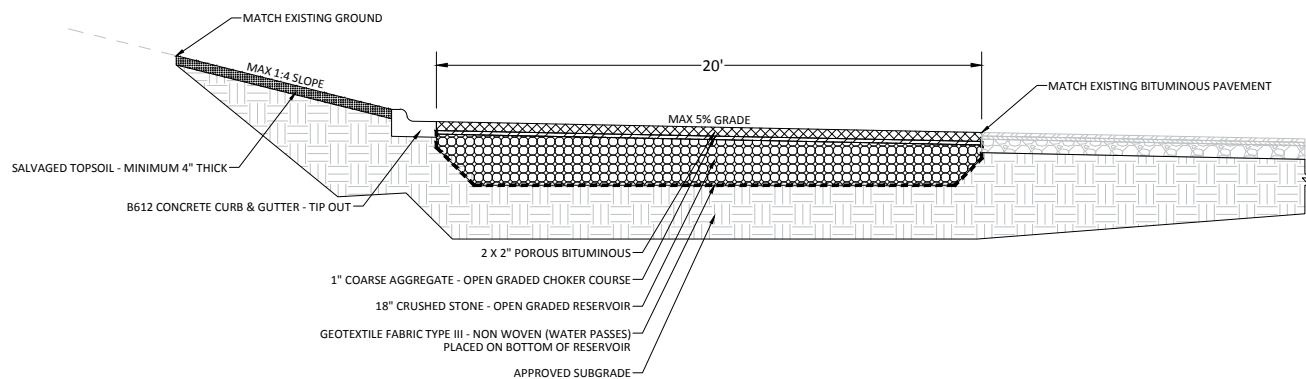


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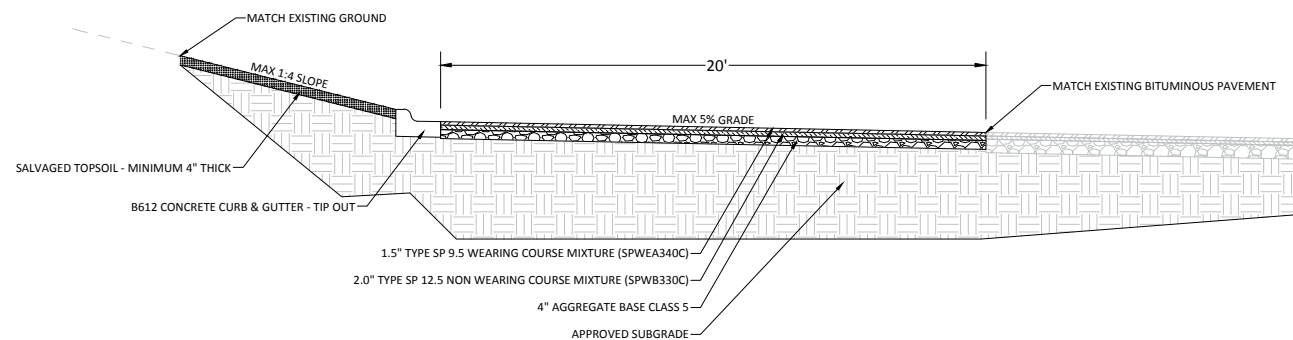
STATEMENT OF ESTIMATED QUANTITIES

SUNFISH LAKE PARK PARKING LOT IMPROVEMENTS
CITY PROJECT NO. 18-07
 CITY OF RAMSEY, MINNESOTA

ALTERNATIVE A: POROUS BITUMINOUS PAVEMENT - TYPICAL SECTION



ALTERNATIVE B: STANDARD BITUMINOUS PAVEMENT - TYPICAL SECTION

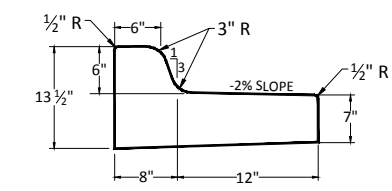
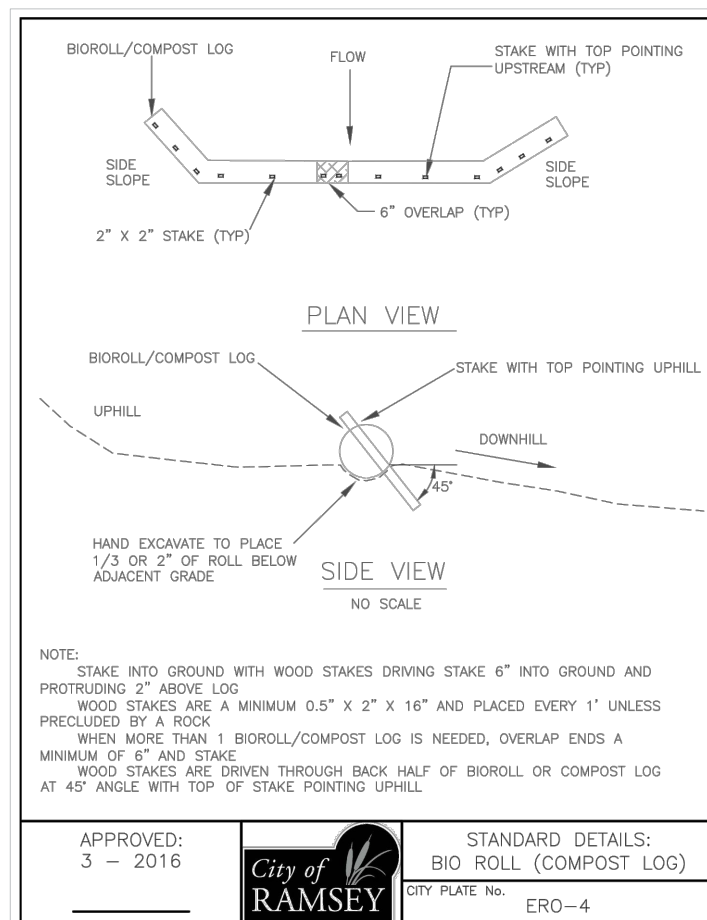
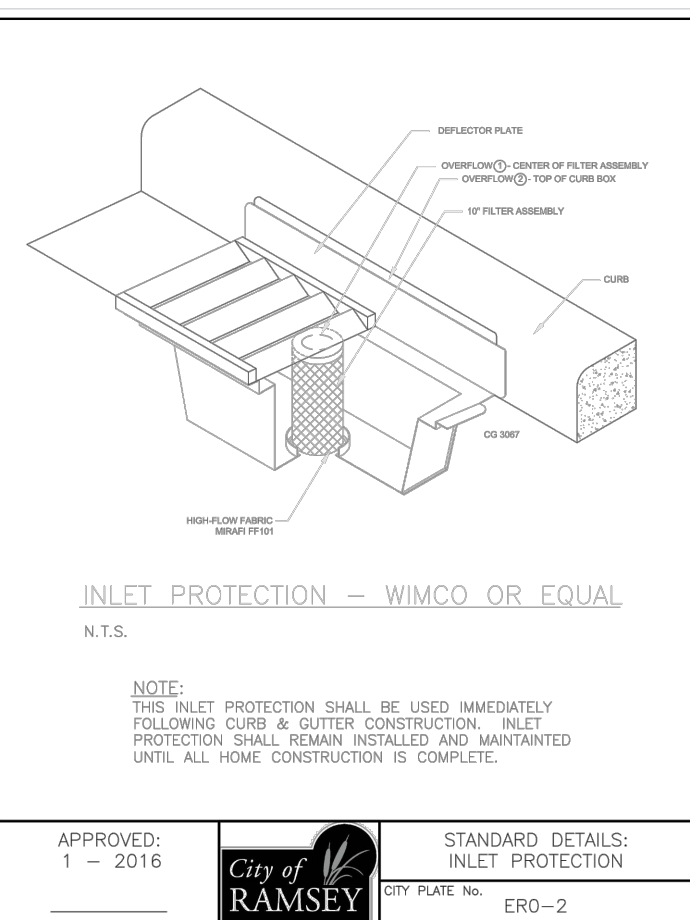


NOTE:

1. OPEN GRADED CHOKER COURSE TO BE AASHTO No. 57 STONE PER TABLE A. STONE IS TO BE WASHED FREE OF FINES.
2. OPEN GRADED RESERVOIR TO BE AASHTO No. 3 STONE PER TABLE B. STONE IS TO BE WASHED FREE OF FINES.

TABLE A: ASSHTO No. 57 STONE GRADATION	
U.S. STANDARD SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	95 - 100
3/2"	25 - 60
4"	0 - 10
8"	0 - 5

TABLE B: ASSHTO No. 3 STONE GRADATION	
U.S. STANDARD SIEVE SIZE	PERCENT PASSING
2 1/2"	100
2"	70 - 100
1 1/2"	35 - 70
3/2"	0 - 5



NOTE: PLACED ON PREPARED SUBGRADE.

B612 CONCRETE CURB & GUTTER - TIP OUT



SUNFISH LAKE BOULEVARD (CSAH 57)








CAPPED & BURIED WELL -
8" STEEL CASING
LOCATION IS APPROXIMATE

REMOVE CONCRETE CURB AND GUTTER - 113LF.
SAWCUT BIT PAVEMENT AT FRONT EDGE OF CURB - FULL DETPH.

REMOVE TREE (3)

EXISTING 2" PLASTIC WATER SERVICE PIPE
EXPECTED 18-24" BURY, LOCATION MAY VARY.
IF IMPACTED, NOTIFY CITY PERSONAL. PIPE
WILL BE FIXED UNDER A SEPARATE CONTRACT.

LEGEND

-  REMOVE TREE
-  REMOVE CURB AND GUTTER
-  SAWCUT - FULL DEPTH
-  EXISTING POWER POLE
-  EXISTING TREE
-  MPCA POWER LINE
-  WATER SERVICE LINE

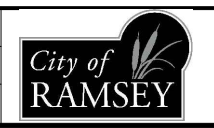
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Bruce Westby
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Date 9/6/18 Lic. No. 40116

DESIGNED BY: JJF
DRAWN BY: JJF
CHECKED BY: BRW

DATE: 6/28/2018
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EXISTING CONDITIONS AND REMOVALS

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CITY OF RAMSEY, MINNESOTA



SUNFISH LAKE BOULEVARD (CSAH 57)

CAPPED & BURIED WELL -
8" STEEL CASING
LOCATION IS APPROXIMATE

R-6'

18'

9'

STRIPING BY OTHERS


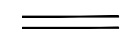
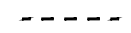





MATCH EXISTING PAVEMENT

PROPOSED BITUMINOUS PAVEMENT
SEE TYPICAL SHEET 3.

PROPOSED B612 TIP-OUT
CONCRETE CURB & GUTTER
147 LF

R-6'

LEGEND

-  PR. STRIPING - 4" SOLID LINE
-  PR. B612 TIP OUT CURB
-  MATCHLINE
-  PROPOSED PAVEMENT
-  EXISTING POWER POLE
-  EXISTING TREE
-  MPCA POWER LINE
-  WATER SERVICE LINE

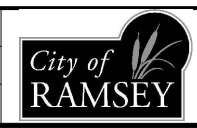
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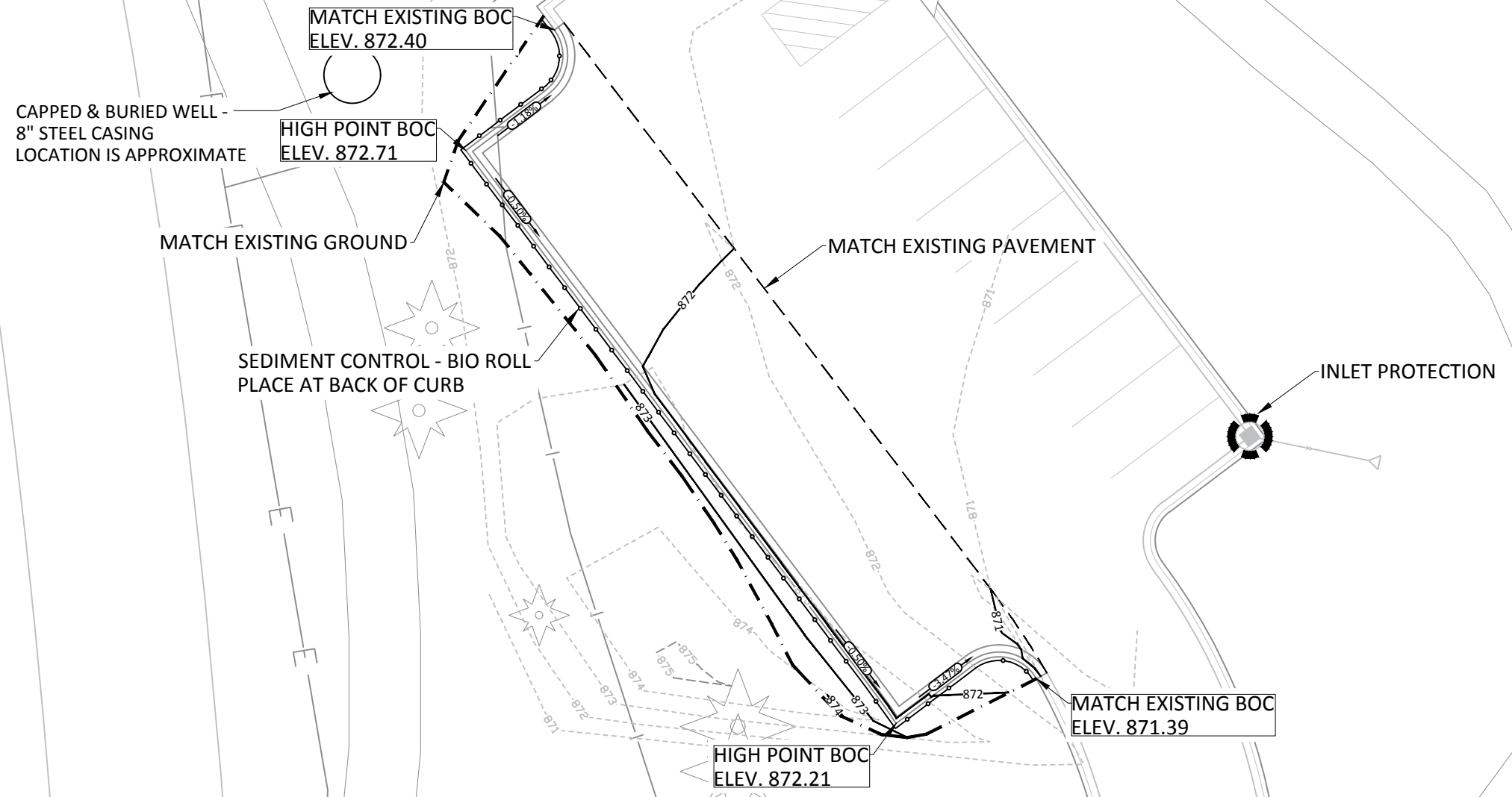
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PROPOSED SITE LAYOUT

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SUNFISH LAKE BOULEVARD (CSAH 57)



LEGEND	
—xxx—	PROP. 1' CONTOUR
—x.xxx—	PROP. GUTTERLINE SLOPE
- . -	MATCHLINE - EX. GROUND
- - -	MATCHLINE - EX. PAVEMENT
—o—o—	BIO ROLL
	INLET PROTECTION
	EXISTING TREE
—E—	MPCA POWER LINE
— —	WATER SERVICE LINE

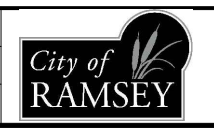
NOTE:
CONTRACTOR TO SALVAGE TOPSOIL AND BRING TO FINAL GRADE AS SHOWN. RESTORATION WITH NATURAL PRAIRIE SEED TO BE DONE BY OTHERS. THE CONTRACTOR WILL HAVE TO COORDINATE TIMING OF FINAL GRADING WITH CITY STAFF.

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GRADING AND EROSION CONTROL

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