

SCOTT COUNTY HIGHWAY DEPARTMENT
CSAH 42 RECONSTRUCTION PROJECT
COUNTY PROJECT NO. 42-19

S.A.P. 070-642-026 LOCATED ON: CSAH 42 FROM CSAH 17 (MARSHALL RD.) TO CSAH 83 (MYSTIC LAKE DRIVE) (GEOGRAPHIC DESCRIPTION)

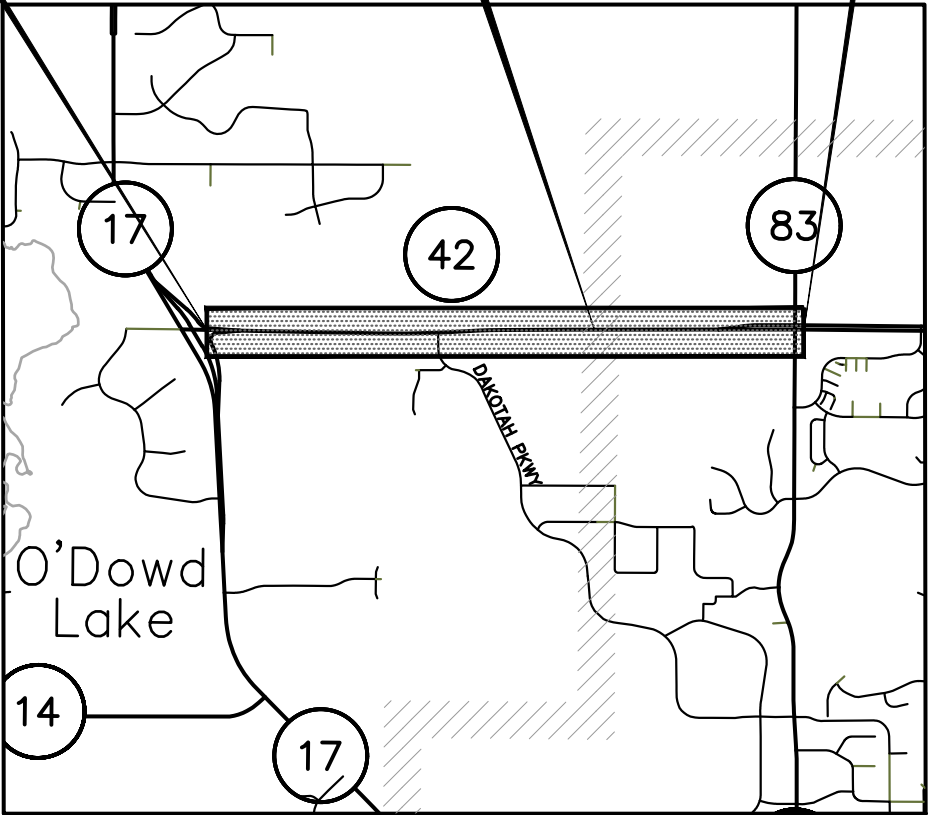
CONSTRUCTION PLAN FOR GRADING, AGGREGATE BASE, BITUMINOUS SURFACING, ADA IMPROVEMENTS, UTILITY IMPROVEMENTS.

- LEGEND**
- INPLACE GATE VALVE
 - INPLACE HYDRANT
 - INPLACE CURB BOX
 - INPLACE WATERMAIN MANHOLE
 - INPLACE SANITARY MANHOLE
 - INPLACE STORM MANHOLE
 - INPLACE CATCH BASIN
 - INPLACE GAS VALVE
 - INPLACE CABLE TV BOX
 - INPLACE TELEPHONE BOX
 - INPLACE POWER POLE
 - INPLACE ELECTRICAL MANHOLE
 - INPLACE ELECTRICAL TRANSFORMER
 - INPLACE LIGHT POLE
 - INPLACE WATERMAIN
 - INPLACE SANITARY SEWER
 - INPLACE STORM SEWER
 - INPLACE GAS MAIN
 - INPLACE CABLE TV
 - INPLACE UNDERGROUND TELEPHONE LINE
 - INPLACE UNDERGROUND POWER
 - INPLACE OVERHEAD POWER
 - INPLACE CURB AND GUTTER
 - INPLACE PAVEMENT
 - INPLACE FENCE
 - INPLACE FIBER
 - INPLACE RIGHT-OF-WAY
 - INPLACE EASEMENT
 - INPLACE MAILBOX
 - INPLACE SOIL BORING
 - INPLACE STREET SIGN
 - INPLACE TREE
 - INPLACE TREE LINE
 - INPLACE WETLAND
 - INPLACE CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED GATE VALVE
 - PROPOSED HYDRANT
 - PROPOSED MANHOLE (STORM/SANITARY)
 - PROPOSED CATCH BASIN
 - PROPOSED WATERMAIN
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED CURB AND GUTTER
 - PROPOSED CONSTRUCTION LIMITS
 - PROPOSED TEMPORARY EASEMENT
 - PROPOSED FENCE
 - ABANDONED UTILITIES

CSAH 42 - S.A.P. 070-642-026
C.P. 42-19
GROSS LENGTH 8235.61 FEET 1.56 MILES
BRIDGE LENGTH NA FEET NA MILES
EXCEPTION LENGTH NA FEET NA MILES
NET LENGTH 8235.61 FEET 1.56 MILES

CSAH 42
BEGIN C.P. 42-19
BEGIN COUNTY S.A.P. 070-642-026
BEGIN SHAKOPEE S.A.P. 166-020-019
STA. 0+50.00

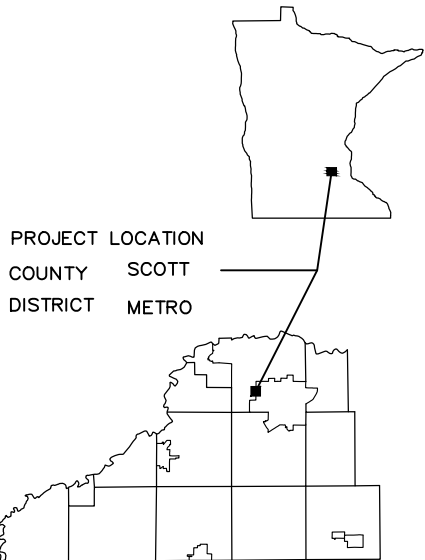
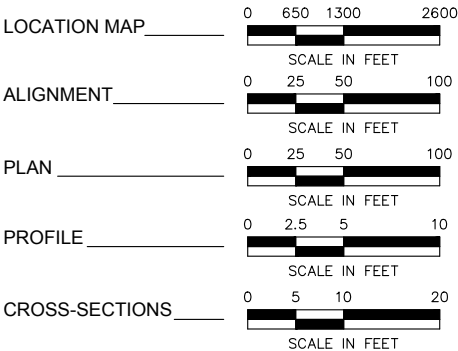
END SHAKOPEE S.A.P. 166-020-019
BEGIN PRIOR LAKE S.A.P. 201-020-009
STA. 54+66.05



CSAH 42
END C.P. 42-19
END COUNTY S.A.P. 070-642-026
END PRIOR LAKE S.A.P. 201-020-009
STA. 82+85.61



PLAN SET SCALES



PROJECT LOCATION
COUNTY SCOTT
DISTRICT METRO

DESIGN DESIGNATION: TRAIL - C.P. 42-19, S.A.P. 070-642-026

Functional Classification: TRAIL
Designed Speed 20 mph Based on Stopping Sight Distance Height of eye 4.5' Height of Object 2.0'
Speed not achieved at: N/A

DESIGN DESIGNATION: CSAH 42 - C.P. 42-19, COUNTY S.A.P. 070-642-026
STA. 0+50.00 TO 82+85.61

Present ADT (2019) = 7,000 Projected ADT (2050) = 18,700
Functional Classification: PRINCIPAL ARTERIAL
No. of Traffic Lanes = 4 No. of Parking Lanes = 0
Shoulder Width = 8' Structural Design Strength = 10 tons
R-Value Designed 9 20 YR BESALS 2,371,000
Designed Speed 55 mph Based on Stopping Sight Distance Height of eye 3.5' Height of Object 2.0'
Speed not achieved at: N/A

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE 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 _____
DATE _____ REG. NO. _____

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

COUNTY PROJ. NO. 42-19
STATE AID PROJ. NO. 070-642-026, 166-020-019, 201-020-009

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL SIGNING AND DEVICES SHALL CONFORM TO THE MUTCD, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	STATEMENT OF ESTIMATED QUANTITIES
4	GENERAL NOTES STANDARD PLATES AND TABULATION INDEX
5-6	QUANTITY TABULATIONS
7-9	EARTHWORK TABULATION
10-12	UTILITY TABULATION
13	MISCELLANEOUS DETAILS
14-19	TYPICAL SECTIONS
20-30	ALIGNMENT PLAN AND TABULATION
31-51	TRAFFIC CONTROL PLAN
52-59	RIGHT OF WAY PLANS
60-67	INPLACE CONDITIONS PLANS
68-71	STORM WATER POLLUTION PREVENTION PLAN
72-79	EROSION CONTROL AND TURF ESTABLISHMENT PLANS
80-89	TEMPORARY SEDIMENT CONTROL STANDARD PLANS
90-97	REMOVAL PLANS
98-105	DRAINAGE PLAN AND PROFILES
106-108	STORM SEWER LATERALS
109-111	DRAINAGE TABULATIONS
112-117	DRAINAGE DETAILS
118-120	BASIN GRADING PLANS
121-128	CONSTRUCTION PLANS
129-150	CONSTRUCTION PROFILES
151-152	SUPERELEVATION PLAN
153-154	INTERSECTION DETAIL PLANS
155-160	PEDESTRIAN CURB RAMP STANDARD PLANS
161-167	PAVEMENT MARKING DETAILS
168-176	EXISTING SIGNING
177-185	PROPOSED SIGNING AND STRIPING PLANS
186-191	SIGNING AND STRIPING DETAILS
192-256	CROSS SECTIONS

95% PLAN SUBMITTAL
08/30/2019

THIS PLAN SET CONTAINS 256 SHEETS

Kimley»Horn

767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-645-4197
WWW.KIMLEY-HORN.COM

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.

DATE 08/30/2019 LIC. NO. 44785

ENGINEER BETH A. ENGUM, P.E.

APPROVED SCOTT COUNTY ENGINEER 2019

APPROVED SHAKOPEE ENGINEER 2019

APPROVED PRIOR LAKE ENGINEER 2019

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER 2019

SHEET NO. 1 OF 256 SHEETS

MINNESOTA GREEN LANDSCAPING, INC.
279200120
PARCEL #2
1785 CR 42E
+SEPTIC

FUTURE TRAIL TO
BE GRADED IN

POTENTIAL
ROADWAY ACROSS

TRUST-SMSC
279290163
PARCEL #8
2967 MARSHALL RD S

TRUST - SMSC
279290161
PARCEL #9

CURVE INFO
R=275.01'
L=245.96'
DELTA=51°27'05"
SPEED = 30 MPH

FENCE

CURVE INFO
R=450.00'
L=246.60'
DELTA=31°23'53"
SPEED = 30 MPH

CURVE INFO
R=352.00'
L=195.77'
DELTA=31°51'58"
SPEED = 30 MPH

CURVE INFO
R=380.00'
L=599.91'
DELTA=90°27'12"
SPEED = 35 MPH

SCOTT
17
COUNTY

BISCHOFF, KERMIT R. TRUSTEE
279200070
PARCEL #3
2421 CR 42E
+SEPTIC

CURVE INFO
R=11500.00'
L=699.79'
DELTA=32°12'
SPEED = 55 MPH

CURVE INFO
R=12000.00'
L=654.80'
DELTA=21°17'
SPEED = 55 MPH

CURVE INFO
R=11954.00'
L=653.06'
DELTA=21°17'
SPEED = 55 MPH

CURVE INFO
R=12046.00'
L=733.02'
DELTA=32°29'12"
SPEED = 55 MPH

POTENTIAL FUTURE
ACCESS LOCATION

TRUST - SMSC
279290150
PARCEL #11

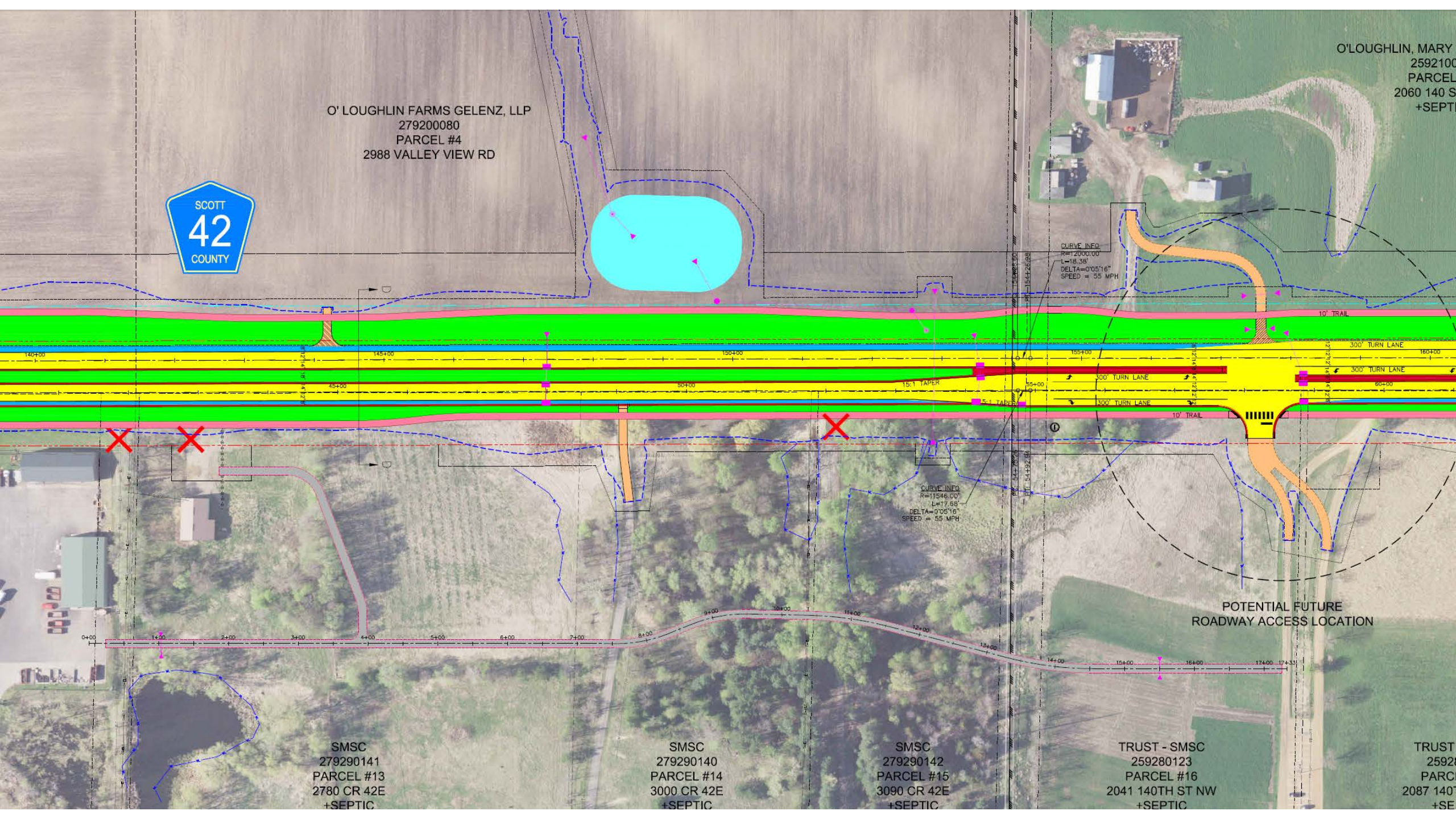
DAKOTAH PKWY

SMSC PUBLIC WORKS
FACILITY - TRUST
279290150
PARCEL #12
2975 DAKOTAH PKWY



O' LOUGHLIN FARMS GELENZ, LLP
279200080
PARCEL #4
2988 VALLEY VIEW RD

O'LOUGHLIN, MARY
2592100
PARCEL
2060 140 S
+SEPTIC



ANN, TRUSTEE
060
L #5
ST NW
TIC

SMSC
259210011
PARCEL #6

SMSC
259210012
PARCEL #7
13888 MYSTIC LAKE DR NW

MYSTIC LAKE

T - SMSC
280120
CEL #17
TH ST NW

MASS, CHARLES J. & PATRICIA C.
259280124
PARCEL #18
2195 140TH ST NW

SMSC
259280110
PARCEL #19
2303 140TH ST NW

SANITARY SEWER CASING

FENCE

CURVE INFO
R=11500.00'
L=563.48'
DELTA=2°48'27"
SPEED = 55 MPH

CURVE INFO
R=11499.76'
L=579.12'
DELTA=2°53'07"
SPEED = 55 MPH

CURVE INFO
R=11500.00'
L=453.47'
DELTA=2°15'33"
SPEED = 55 MPH

CURVE INFO
R=11500.00'
L=455.58'
DELTA=2°16'11"
SPEED = 55 MPH

SCOTT
83
COUNTY

