

R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\GEN\Cover Sheet.dwg Plot Date & Time: 12 January 2018 8:29 AM

### PLANS SYMBOLS

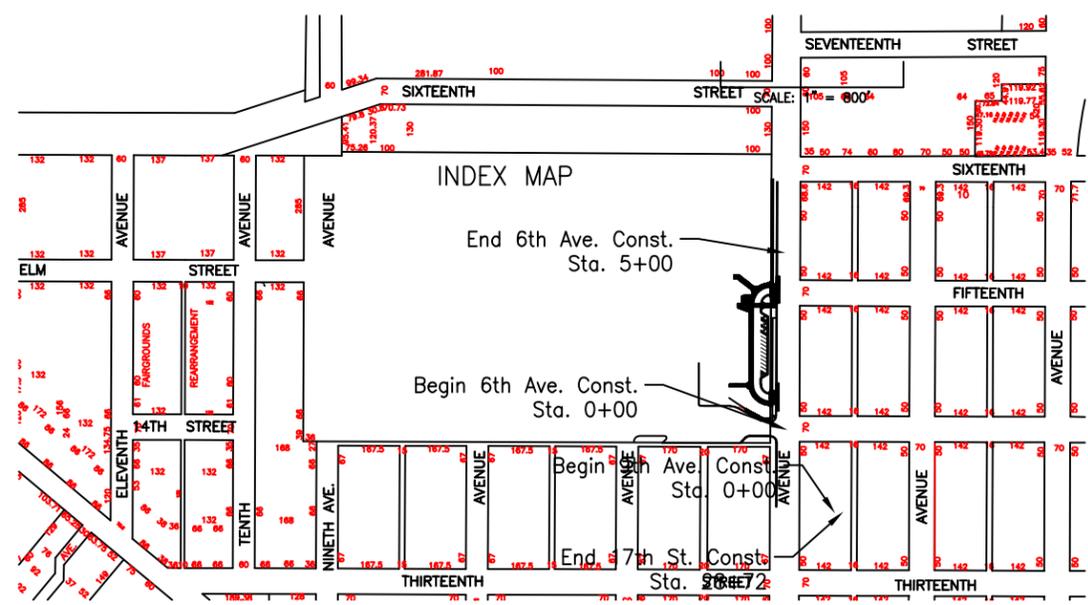
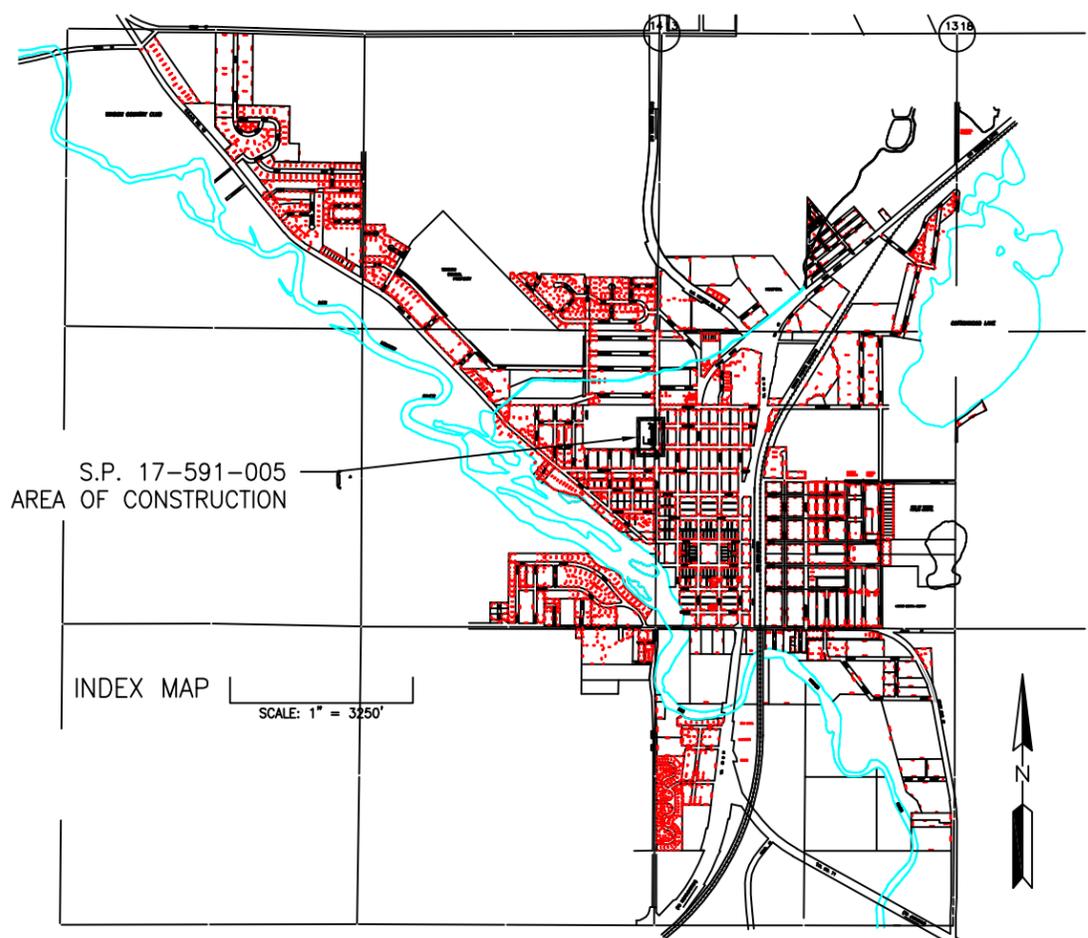
STATE LINE	
COUNTY LINE	
TOWNSHIP OR RANGE LINE	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
RIGHT-OF-WAY LINE	
SLOPE EASEMENT	
PRESENT RIGHT-OF-WAY LINE	
CONTROL OF ACCESS LINE	
PROPERTY LINE (Except Land Lines)	
VACATED PLATTED PROPERTY	
CORPORATE OR CITY LIMITS	
TRUNK HIGHWAY CENTER LINE	
RETAINING WALL	
RAILROAD	
RAILROAD RIGHT-OF-WAY LINE	
RIVER OR CREEK	
DRY RUN	
DRAINAGE DITCH	
DRAIN TILE	
CULVERT	
DROP INLET	
GUARD RAIL	
BARBED WIRE FENCE	
WOVEN WIRE FENCE	
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	
ORCHARD	
BRUSH	
NURSERY	
CATCH BASIN	
FIRE HYDRANT	
CATTLE GUARD	
OVERPASS (Highway Over)	
OVERPASS (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	
SAND PIT	
BORROW PIT	
ROCK QUARRY	

### UTILITIES SYMBOLS

POWER POLE LINE	
TELEPHONE POLE LINE	
JOINT TELEPHONE AND POWER ON POWER POLES	
ON TELEPHONE POLES	
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	
AERIAL TELEPHONE CABLE	
SEWER (SANITARY OR STORM)	
SEWER MANHOLE	



PLAN VARIABLE - SEE SHEETS  
 PROFILES 30' HORIZ.

STATE PROJECT NUMBER - 17-591-005  
 MN PROJECT NUMBER - TA 1718(158)  
 DISTRICT 7 MANKATO, MINNESOTA  
 STATE FUNDS

Construction Plan for Grading, Aggregate Base, Bituminous & Concrete Pavements  
 Located on 6th Avenue & 14th Street between Sta. 0+00 to Sta. 5+00

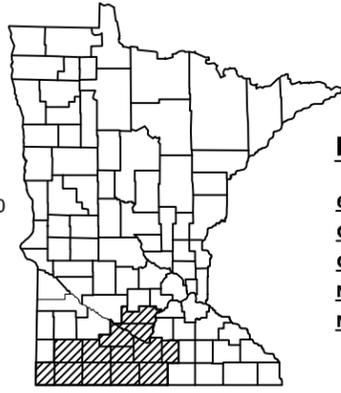
SOUTHEAST 1/4 of NORTHEAST 1/4 of SECTION 26, T-105-N R-36-W		
GROSS LENGTH	500 FEET	0.09 MILES
BRIDGE LENGTH	0.00 FEET	0.00 MILES
EXCEPTION LENGTH	0.00 FEET	0.00 MILES
NET LENGTH	500 FEET	0.09 MILES

#### Index of Sheets

Sheet G-100
Sheet G-101
Sheet G-102
Sheet G-103
Sheet G-104
Sheet G-105
Sheet G-106
Sheet 1-6
Sheet 1-8
Sheet C-101
Sheet C-102
Sheet C-103
Sheet C-104
Sheet C-105
Sheet C-106
Sheet C-107
Sheet C-108
Sheet C-109
Sheet C-110
Sheet C-111
Sheet CP-101
Sheet CP-201

Title & Index Sheet
Estimated Quantities
Tabulation of Quantities - Removals, Street & Storm
Tabulation of Quantities - Striping, Signs & Erosion Control
Erosion Control Plan
Traffic Control Plan
Street Signage Plan
MNDOT Standard Plans 5-297.250 Handicap Accessibility
MNDOT Standard Plans 5-297.405 Temporary Erosion Control
Existing Conditions
Existing Utilities
Existing Utilities Tabulation
Existing Utilities Tabulation
Demolition Plan
Typical Sections - School Drive
Storm Sewer Details
Storm Sewer Drainage Area Map
Storm Sewer Analysis Report
Concrete Dimensioning
Top of Curb Elevations
Plan & Profile - School Drive
Plan & Profile - School Drive Storm Sewer

### PROJECT LOCATION



**6th AVENUE**  
**CITY: WINDOM**  
**COUNTY: COTTONWOOD**  
**MNDOT DISTRICT NO. 7**  
**MINNESOTA**

This plan contains 34 Sheets

### GOVERNING SPECIFICATIONS

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN

#### Cottonwood County Commissioners

1st District	Jim Schmidt
2nd District	Kevin Stevens
3rd District	Donna Gravley
4th District	Norman Holmen
5th District	Tom Appel
County Coordinator	Kelly Thongvivong
Auditor/Treasurer	Jan Johnson
County Engineer	Nick Klisch

#### Board of Education

Chairman	Joan Hunter
Vice Chairman	Don Brugman
Clerk	Barbara Jones
Treasurer	Joel Bordewyk
Director	Rick Frederickson
Director	Joe LaCanne
Director	Dustin Stevens
Fin./Admin. Assistant	Kitty Hansen

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 \_\_\_\_\_  
 DENNIS J JOHNSON P.E.  
 CONSULTING ENGINEER - WINDOM, MN LIC. NO. 15051  
 WENCK ASSOC., INC.

DATE \_\_\_\_\_  
 RECOMMENDED FOR APPROVAL:  
 COTTONWOOD COUNTY ENGINEER

DATE \_\_\_\_\_  
 DISTRICT STATE AID ENGINEER: APPROVED FOR COMPLIANCE WITH STATE-AID RULES/POLICY

DATE \_\_\_\_\_  
 APPROVED FOR FEDERAL-AID FUNDING  
 STATE AID ENGINEER

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.  
 NAME \_\_\_\_\_  
 DATE 1/11/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

Responsive partner. Exceptional outcomes.  
 1012 5th Ave., Suite 1B  
 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271

DWN BY	CHK'D	APP'D
TNT	MPJ	DJJ
DWG DATE	1/4/2018	
SCALE	Not to Scale	

PROJECT 2017 Windom Area Schools  
 Parking Lot Improvements  
 CLIENT Windom Area Schools  
 1400 17th Street  
 Windom, MN 56101

SHEET TITLE Title & Index Sheet		
PROJECT NO.	SHEET NO.	REV NO.
2272-04	G-100	

R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\GEN\G-2017 Tabulations.dwg Plot Date & Time: 11 January 2018 2:58 PM

## Statement of Estimated Quantities

Tab	Item No.	Item	Unit	Total Estimated Quantity
<b>School Parking Lot Improvements</b>				
A	2104.501	REMOVE CURB AND GUTTER	L.F.	147
A	2104.503	REMOVE SIDEWALK	S.F.	1,878
A	2104.503	REMOVE PAVEMENT	S.F.	1,197
A	2104.509	REMOVE TREES	EACH	6
A	2104.523	SALVAGE FLAG POLE*	EACH	1
E	2104.523	INSTALL SIGN TYPE C	EACH	8
C	2105.501	COMMON EXCAVATION (P)	C.Y.	1,395
F	2105.535	SALVAGE TOPSOIL (CV)	C.Y.	163
C	2211.501	AGGREGATE BASE, CLASS 5	TON	1,220
C	2360.501	BITUMINOUS MATERIAL FOR TACK COAT	GAL	250
C	2360.502	TYPE SP 12.5 WEARING COURSE MIXTURE 2C	TON	140
C	2357.502	TYPE SP 12.5 NON-WEARING COURSE MIXTURE 2C	TON	140
	2463.601	TRAFFIC CONTROL	L.S.	1
B	2503.541	12" PIPE SEWER, DESIGN RCP, TYPE III	L.F.	218
B	2506.501	CONSTRUCT CATCH BASIN DESIGN 60-4020	L.F.	9
B	2506.503	CONNECT TO CATCH BASIN	EACH	1
B	2506.516	CATCH BASIN CASTING, NEENAH FOUNDRY R-3067 OR APPROVED EQUAL	EACH	1
B	2506.516	CATCH BASIN CASTING, NEENAH FOUNDRY R-2525-F OR APPROVED EQUAL	EACH	1
C	2521.501	WALK, 5"	S.F.	6,600
C	2531.501	CONCRETE CURB AND GUTTER B618	L.F.	835
C	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	S.Y.	246
C	2531.618	TRUNCATED DOMES	S.F.	224
F	2573.502	SILT FENCE, TYPE MACHINE SLICED	L.F.	351
F	2573.530	STORM DRAIN INLET PROTECTION	EACH	8
F	2573.550	EROSION CONTROL SUPERVISOR	L.S.	1
F	2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	2
F	2575.501	SEEDING	ACRE	0.3
F	2575.502	SEED MIXTURE NO. 25-131	LB	74
F	2575.562	HYRDAULIC MULCH MATRIX	LB	843
F	2575.532	COMMERCIAL FERTILIZER	LB	169
D	2582.501	PAVEMENT MESSAGE (HANDICAP) EPOXY	EACH	3
D	2582.502.	LINEAR MARKINGS 4" WIDE EPOXY WHITE	L.F.	378
D	2582.502.	LINEAR MARKINGS 6" WIDE EPOXY WHITE	L.F.	521

\* ITEM INCLUDES REMOVAL AND REPLACEMENT IN LOCATION DIRECTED BY ENGINEER

## Tabulation Index

Tab	Sheet No.	Tabulation
A	G-102	Tabulation of Removal Quantities
B	G-102	Tabulation of Storm Sewer Quantities
C	G-102	Tabulation of Street & Sidewalk Quantities
D	G-103	Tabulation of Road Striping
E	G-103	Tabulation of Road Signs
F	G-103	Establishment and Erosion Control

## Standard Plates

PLATE NO.	Description
4011 E	Precast Concrete Base
4020 J	Manhole or Catch Basin for Use With or Without Traffic Loads
4129 G	Catch Basin Frame Casting (for Square Grate) - Casting No. 802A
4152 C	Catch Basin Grate Casting - Casting No. 814A
4180 J	Manhole or Catch Basin Step
7038 A	Detectable Warning Surface
7100 H	Concrete Curb & Gutter (Design B and V)

## Standard Plans

PLAN NO.	Description
5-297.250	Pedestrian Curb Ram Details
5-297.405	Temporary Sediment Control

THE FOLLOWING STANDARD PLATES AND PLANS, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

S.P. 017-591-005

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.

\_\_\_\_\_  
 NAME  
 DATE 1/2/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE



1012 5th Ave., Suite 1B  
 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271

DWN BY: TNT  
 CHK'D: MPJ  
 APP'D: DJJ  
 DWG DATE: 1/2/2018  
 SCALE:

PROJECT: 2017 Windom Area Schools Parking Lot Improvements  
 CLIENT: Windom Area Schools  
 1400 17th Street  
 Windom, MN 56101

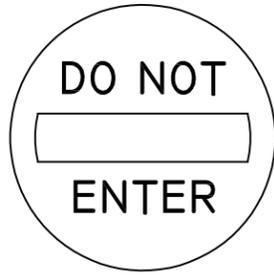
SHEET TITLE: Statement of Estimated Quantities  
 PROJECT NO.: 2272-04  
 SHEET NO.: G-101  
 REV NO.:

**LEGEND**

- ← = PEDESTRIAN ROUTE
- = TYPE "R" SIGNS
- ▨ = PAINTED CROSSINGS



R1-1  
STOP SIGN



R5-1  
DO NOT ENTER SIGN



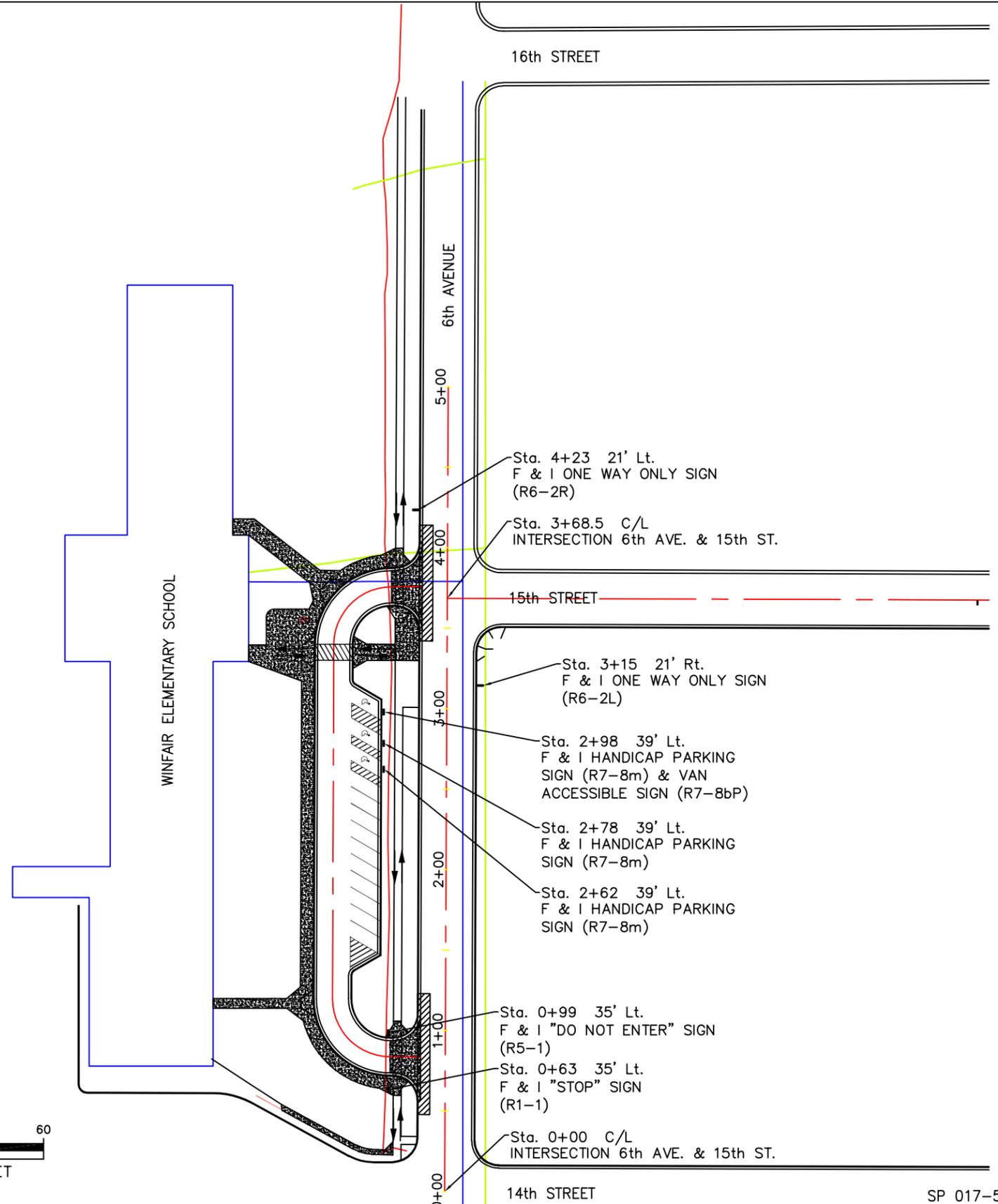
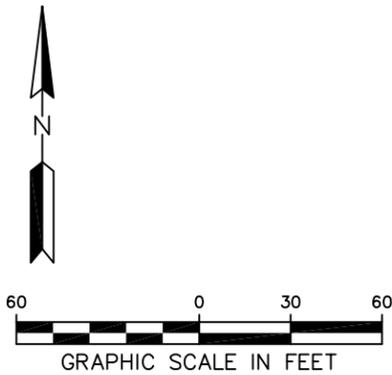
R6-2 (L or R)  
ONE WAY w/ARROW SIGN



R7-8m  
DISABLED PARKING  
w/SYMBOL SIGN



R7-8bP  
VAN ACCESSIBLE SIGN



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NAME: *[Signature]*

DATE: 1/2/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

**WENCK ASSOCIATES**

1012 5th Ave., Suite 1B  
Windom, MN 56101  
(507) 831-2703  
(507) 831-5271

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DWN BY	CHK'D	APP'D
TNT	MPJ	DJJ
DWG DATE	1/2/2018	
SCALE	1" = 80'	

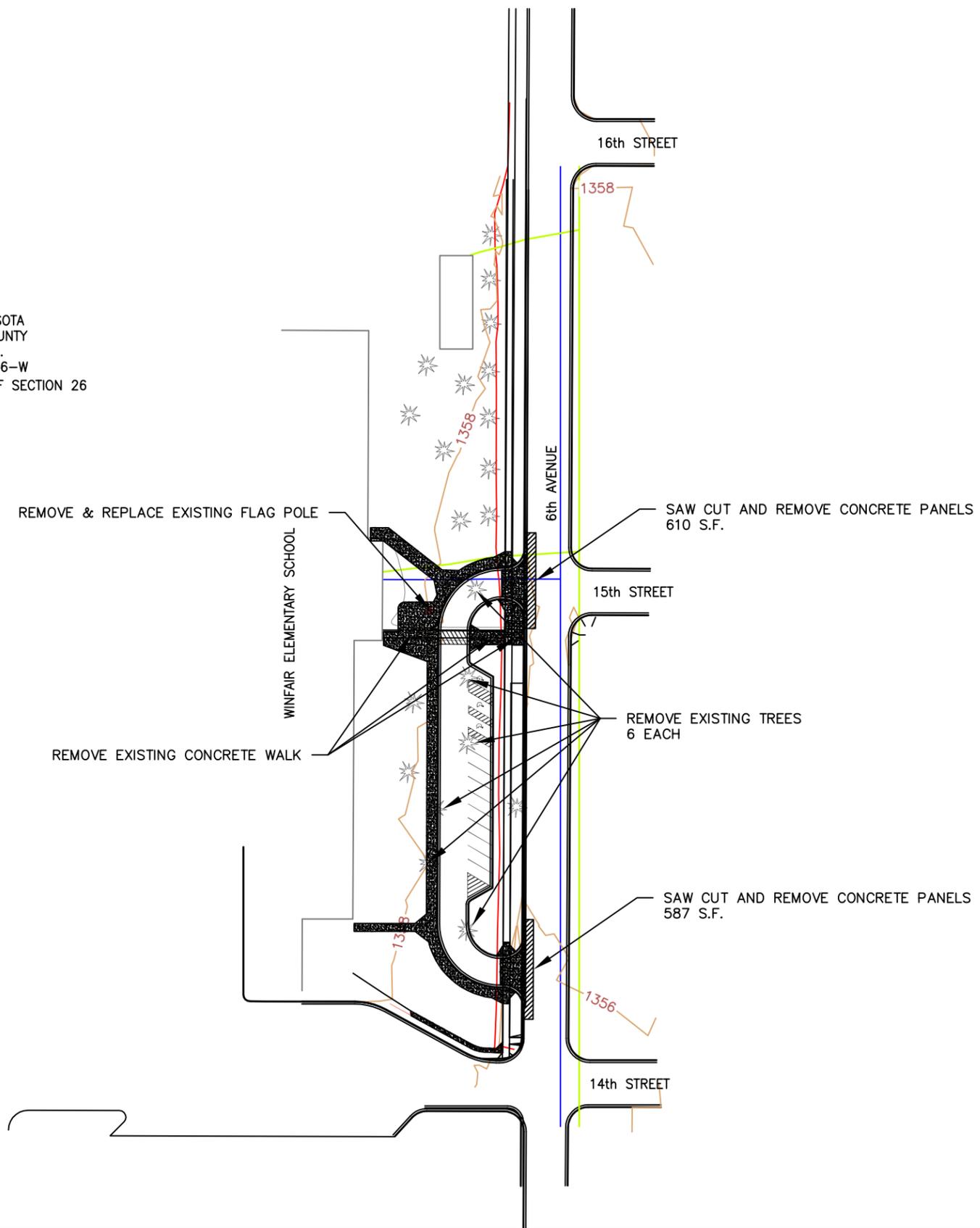
PROJECT: 2017 Windom Area Schools Parking Lot Improvements

CLIENT: Windom Area Schools  
1400 17th Street  
Windom, MN 56101

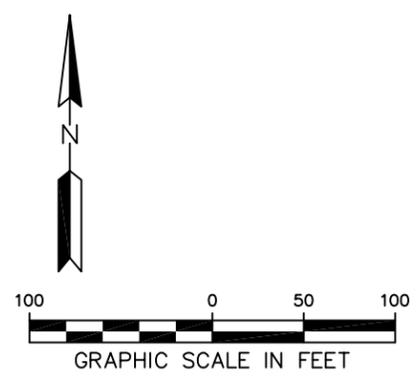
SHEET TITLE: Signage Plan 6th Ave. Stationing		
PROJECT NO. 2272-04	SHEET NO. G-106	REV NO.

SP 017-591-005

STATE OF MINNESOTA  
 COTTONWOOD COUNTY  
 GREAT BEND TWP.  
 T-105-N R-36-W  
 SE 1/4 OF NE 1/4 OF SECTION 26



**NOTES:**  
 - SAW CUTTING WILL BE INCIDENTAL TO CONCRETE REMOVAL



SP 017-591-005

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 NAME: *[Signature]*  
 DATE: 1/5/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

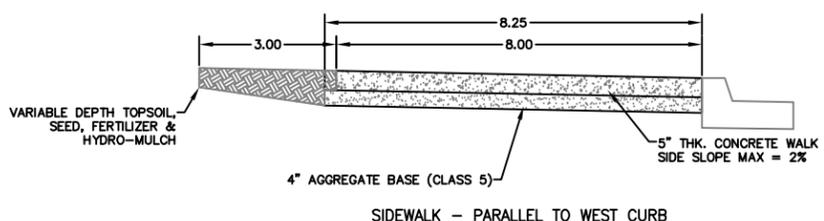
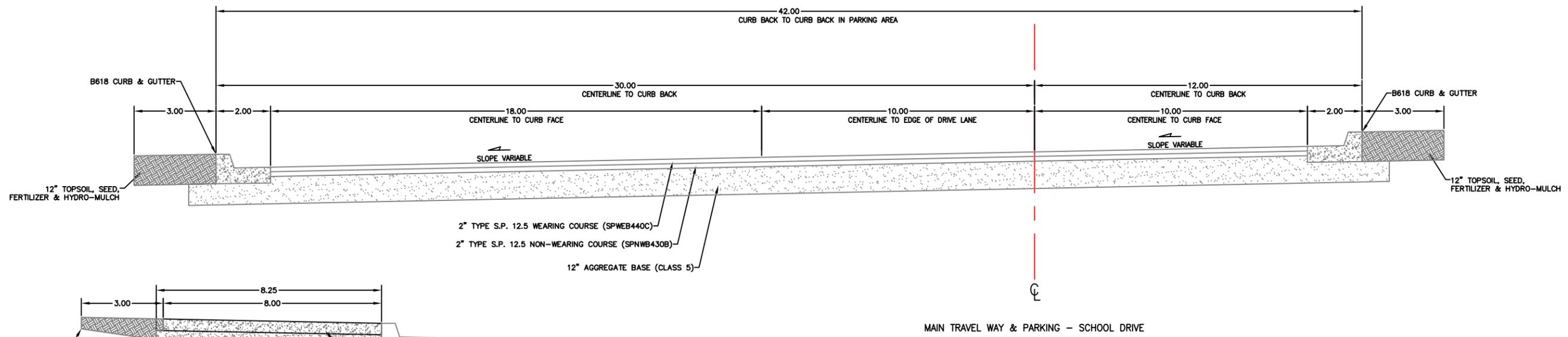
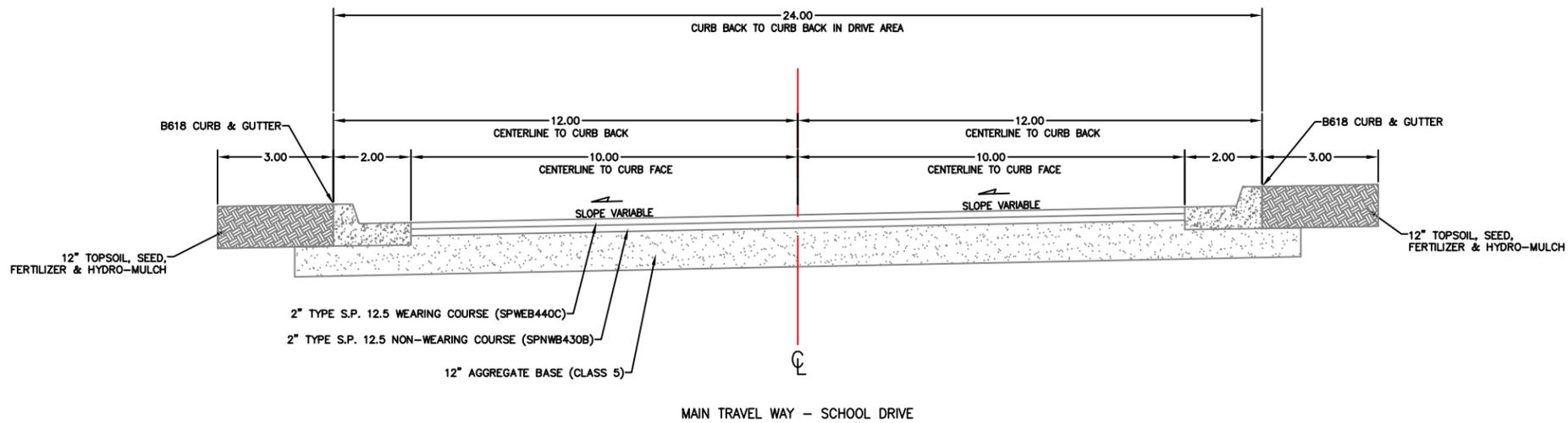
**WENCK ASSOCIATES**  
 1012 5th Ave., Suite 1B  
 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271  
 Responsive partner. Exceptional outcomes.

DWN BY	CHK'D	APP'D
TNT	MPJ	DJJ
DWG DATE	1/5/2018	
SCALE	1" = 100'	

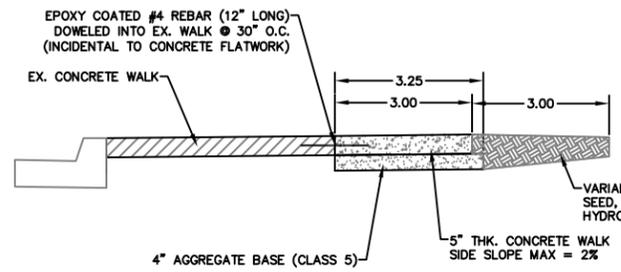
PROJECT: 2017 Windom Area Schools Parking Lot Improvements  
 CLIENT: Windom Area Schools  
 1400 17th Street  
 Windom, MN 56101

SHEET TITLE: Demolition Plan		PROJECT NO. 2272-04	SHEET NO. C-105	REV NO.
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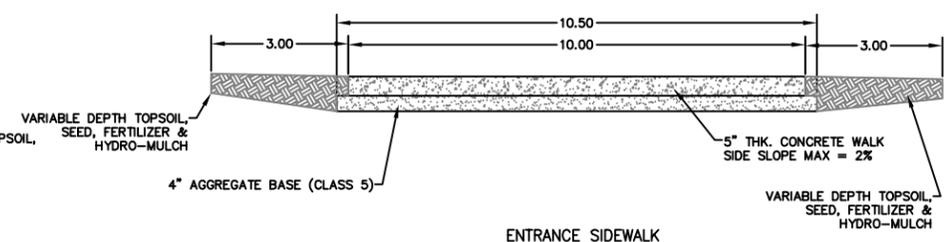
R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\CIV\C-106 Typical Sections - Drive.dwg Plot Date & Time: 5 January 2018 2:30 PM



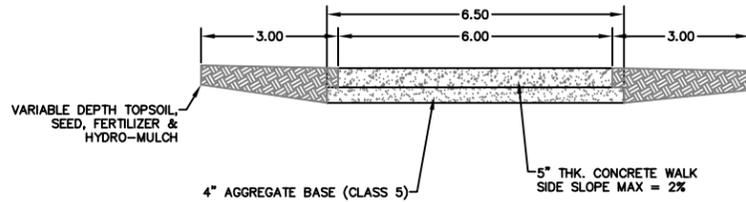
SIDWALK - PARALLEL TO WEST CURB



SIDWALK ADDITION - PARALLEL TO SOUTH PARKING LOT



ENTRANCE SIDWALK



REPLACEMENT SIDWALK - PARALLEL 6th AVENUE

SP 017-591-005

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NAME: *[Signature]*

DATE: 1/5/2018 LIC. NO.: 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

**WENCK ASSOCIATES**  
 1012 5th Ave., Suite 1B  
 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271

Responsive partner. Exceptional outcomes.

DWN BY	CHK'D	APP'D
ALH	MPJ	DJJ
DWG DATE	1/5/2018	
SCALE	1" = 100'	

PROJECT: 2017 Windom Area Schools Parking Lot Improvements

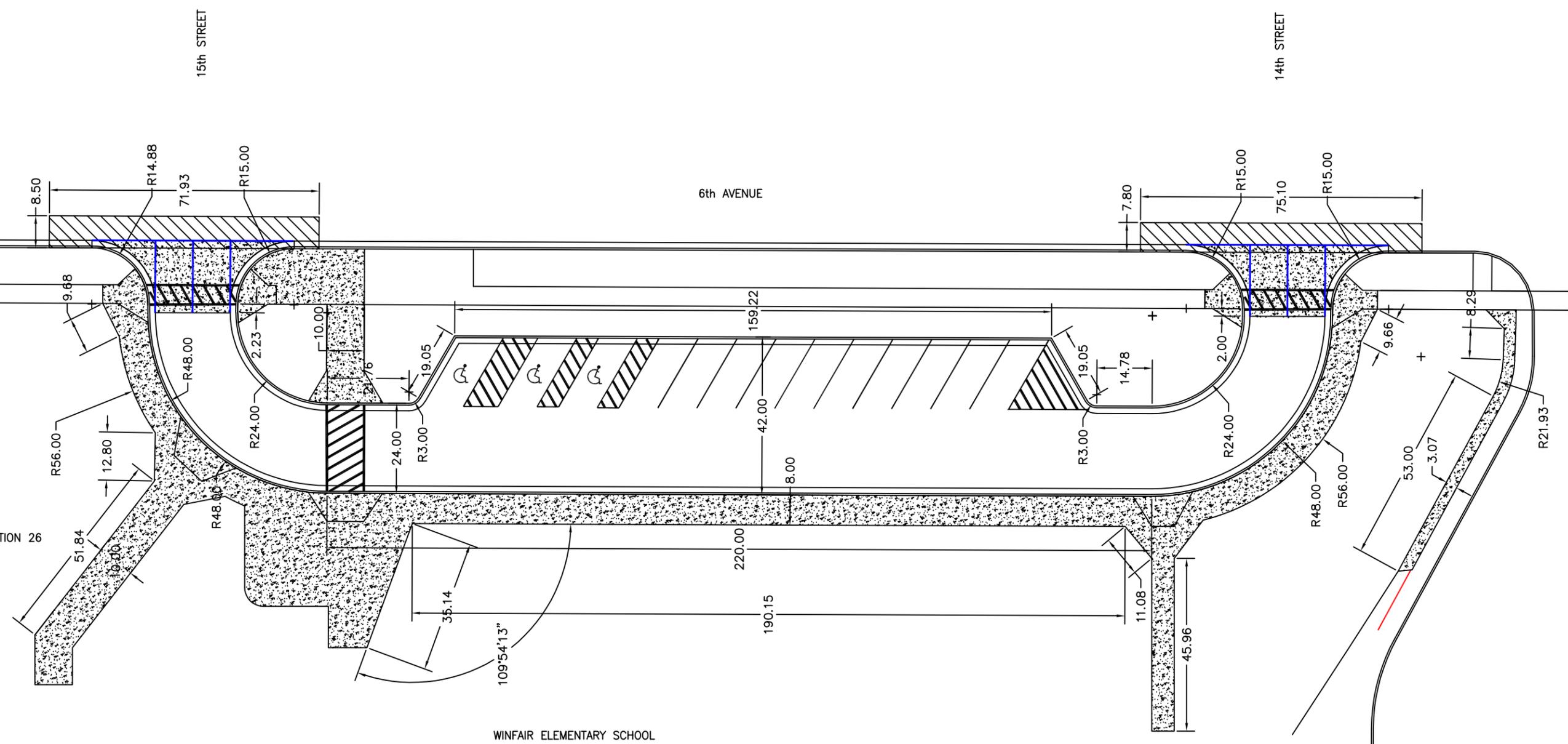
CLIENT: Windom Area Schools  
 1400 17th Street  
 Windom, MN 56101

SHEET TITLE: Typical Sections		REV NO.
PROJECT NO.: 2272-04	SHEET NO.: C-106	

R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\CIV\C-108 Dimension Plan.dwg Plot Date & Time: 8 January 2018 1:28 PM

**KEY**  
 CONCRETE PAVEMENT PANEL LAYOUT

STATE OF MINNESOTA  
 COTTONWOOD COUNTY  
 GREAT BEND TWP.  
 T-105-N R-36-W  
 SE 1/4 OF NE 1/4 OF SECTION 26



WINFAIR ELEMENTARY SCHOOL

SP 017-591-005

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 \_\_\_\_\_  
 NAME  
 DATE 1/2/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

**WENCK ASSOCIATES**  
 1012 5th Ave., Suite 1B  
 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271  
 Responsive partner. Exceptional outcomes.

DWN BY TNT	CHK'D MPJ	APP'D DJJ
DWG DATE 1/2/2018		
SCALE 1" = 50'		

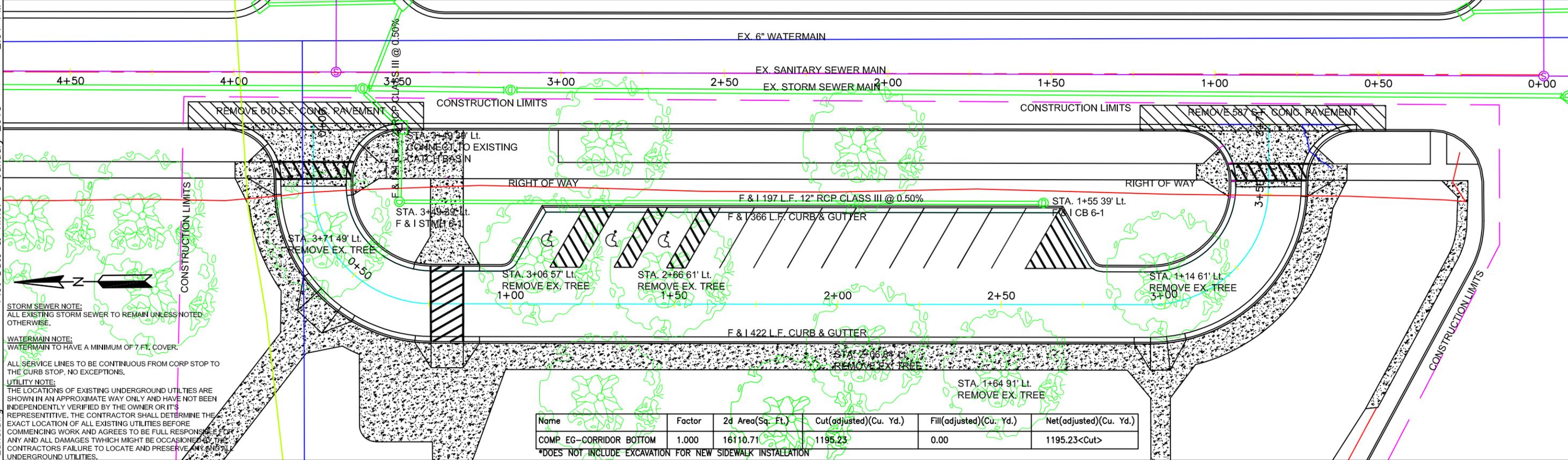
PROJECT  
2017 Windom Area Schools  
Parking Lot Improvements

CLIENT  
Windom Area Schools  
1400 17th Street  
Windom, MN 56101

SHEET TITLE Dimension Plan		
PROJECT NO. 2272-04	SHEET NO. C-110	REV NO.



R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\REF\CP - Proposed Drive Lane.dwg Plot Date & Time: 8 January 2018 2:31 PM



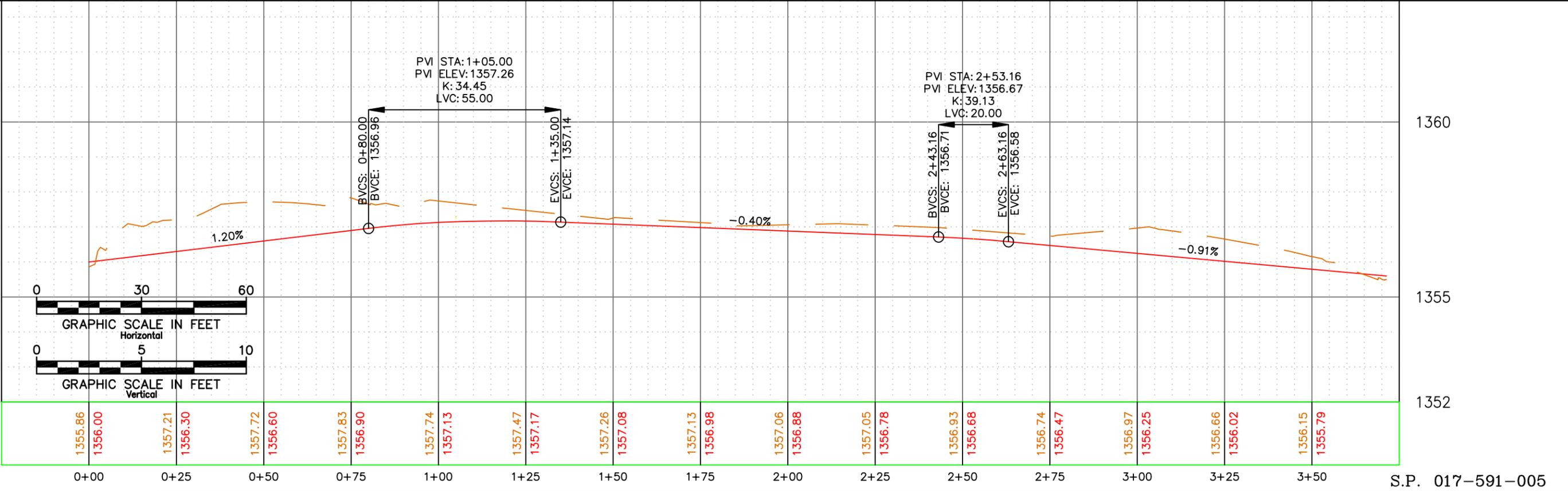
**STORM SEWER NOTE:**  
ALL EXISTING STORM SEWER TO REMAIN UNLESS NOTED OTHERWISE.

**WATERMAIN NOTE:**  
WATERMAIN TO HAVE A MINIMUM OF 7 FEET COVER.

**UTILITY NOTE:**  
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULL RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

Name	Factor	2d Area(Sq. Ft.)	Cut(adjusted)(Cu. Yd.)	Fill(adjusted)(Cu. Yd.)	Net(adjusted)(Cu. Yd.)
COMP EG-CORRIDOR BOTTOM	1.000	16110.71	1195.23	0.00	1195.23<Cut>

\*DOES NOT INCLUDE EXCAVATION FOR NEW SIDEWALK INSTALLATION



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DATE 1/3/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

**WENCK ASSOCIATES**  
1012 5th Ave., Suite 1B  
Windom, MN 56101  
(507) 831-2703  
(507) 831-5271

Responsive partner. Exceptional outcomes.

DWN BY	CHK'D	APP'D
TNT	MPJ	DJJ
DWG DATE	1/3/2018	
SCALE	1" = 30'	

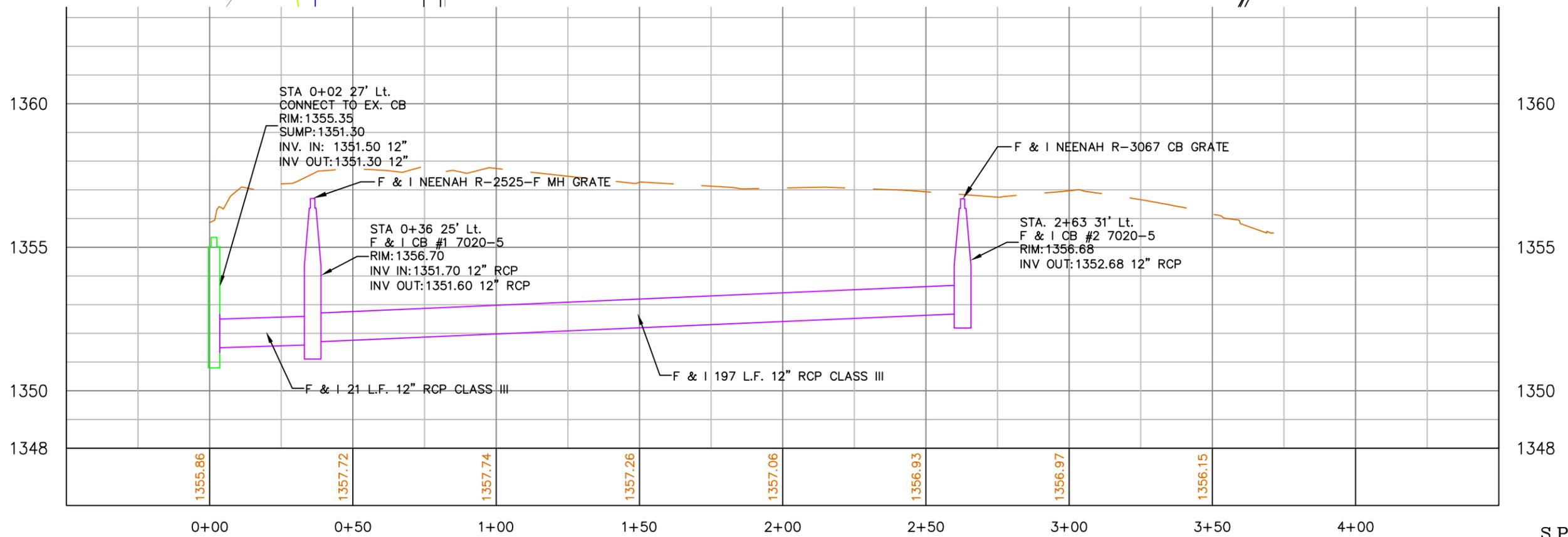
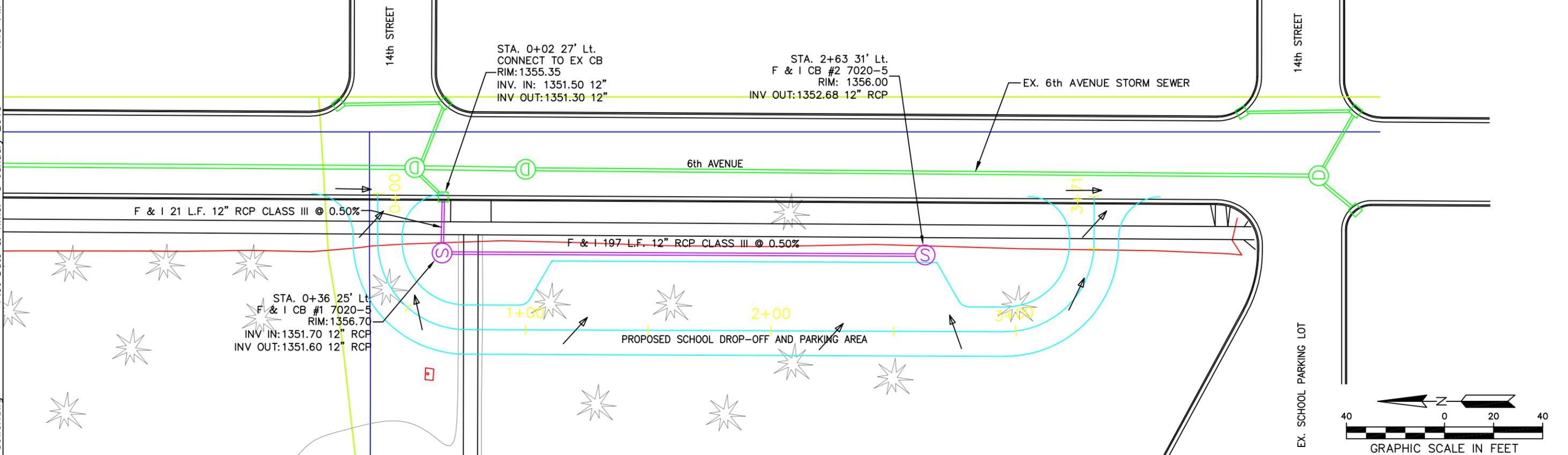
PROJECT 2017 Windom Area Schools Parking Lot Improvements

CLIENT Windom Area Schools  
1400 17th Street  
Windom, MN 56101

SHEET TITLE Plan & Profile School Drive		PROJECT NO. 2272-04	SHEET NO. CP-101	REV NO.
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S.P. 017-591-005

R:\Drafting\2272 Windom Schools\04 2017 Safe Routes to School\CAD\REF\CP - Proposed Storm Sewer.dwg Plot Date & Time: 8 January 2018 1:40 PM



S.P. 017-591-005

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NAME: *[Signature]*

DATE: 1/3/2018 LIC. NO. 15051

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

**WENCK ASSOCIATES**  
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 Windom, MN 56101  
 (507) 831-2703  
 (507) 831-5271

Responsive partner. Exceptional outcomes.

DWN BY	CHK'D	APP'D
TNT	MPJ	DJJ
DWG DATE	1/3/2018	
SCALE	1" = 100'	

PROJECT: 2017 Windom Area Schools Parking Lot Improvements

CLIENT: Windom Area Schools  
 1400 17th Street  
 Windom, MN 56101

SHEET TITLE: Plan & Profile Storm Sewer		
PROJECT NO. 2272-04	SHEET NO. CP-201	REV NO.