

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	LHF	LEFT-HAND FORWARD
AC	ACRE	L	LENGTH OF CURVE
AGG	AGGREGATE	LF	LINEAR FOOT
ASPH	ASPHALTIC	LC	LONG CHORD OF CURVE
AVG	AVERAGE	LS	LUMP SUM
ADT	AVERAGE DAILY TRAFFIC	MH	MANHOLE
BF	BACK FACE	NC	NORMAL CROWN
BM	BENCH MARK	NO	NUMBER
BR	BRIDGE	OBLIT	OBLITERATE
C.E.	COMMERCIAL ENTRANCE	PAVT	PAVEMENT
CL	CENTER LINE	P.E.	PRIVATE ENTRANCE
Δ	CENTRAL ANGLE OR DELTA	PVRC	POINT OF VERTICAL REVERSE CURVE
CONC	CONCRETE	R	RADIUS
CR	CREEK	RCCP	REINFORCED CONCRETE CULVERT PIPE
CY	CUBIC YARD	RES	RESIDENCE OR RESIDENTIAL
C & G	CURB AND GUTTER	REQ'D.	REQUIRED
D	DEGREE OF CURVE	RHF	RIGHT-HAND FORWARD
DHV	DESIGN HOUR VOLUME	R/W	RIGHT-OF-WAY
DISCH	DISCHARGE	R	RIVER
DG	DITCH GRADE	RDWY	ROADWAY
DWY	DRIVEWAY	R	REFERENCE LINE
X	EAST GRID COORDINATE	SALV	SALVAGED
EL	ELEVATION	SAN	SANITARY SEWER
ENT	ENTRANCE	SF	SQUARE FEET
ESALS	EQUIVALENT SINGLE AXLE LOADS	SY	SQUARE YARD
EXC	EXCAVATION	SDD	STANDARD DETAIL DRAWINGS
EBS	EXCAVATION BELOW SUBGRADE	S.T.H.	STATE TRUNK HIGHWAYS
EXIST	EXISTING	STA.	STATION
FF	FACE TO FACE	SS	STORM SEWER
FERT	FERTILIZE	SE	SUPERELEVATION
F.E.	FIELD ENTRANCE	TC	TOP OF CURB
FL	FLOW LINE	T OR TN	TOWN
FO	FIBER OPTIC	T	TRUCKS (PERCENT OF)
CWT	HUNDREDWEIGHT	TYP.	TYPICAL
HYD	HYDRANT	VAR.	VARIABLE
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
INV	INVERT	Y	NORTH GRID COORDINATE
IP	IRON PIPE OR PIN	YD	YARD

UTILITY CONTACTS

CITY OF SUPERIOR
SANITARY SEWER SYSTEM (PUBLIC WORKS)
SUPERIOR, WISCONSIN 54880
TELEPHONE: 715.394.0333
ATTENTION: PAUL KING (CITY ENGINEER)

SUPERIOR WATER, LIGHT & POWER CO.
2915 HILL AVENUE
P.O. BOX 519
SUPERIOR, WISCONSIN 54880
TELEPHONE: 715.394.2200
ATTENTION: DAVID SMITH (ELECTRIC)
ATTENTION: DALE GROTHE (WATER & GAS)

WILLIAMS PIPELINE COMPANY
2301 WINTER STREET
SUPERIOR, WISCONSIN 54880
TELEPHONE: 715.392.2438

DESIGN CONTACT

SEH INC.
831 EAST 2ND STREET
DULUTH, MINNESOTA 55805
TELEPHONE: 218.722.0547
E-MAIL: sewandt@sehinc.com
ATTENTION: SCOTT WEYANDT

CENTURYTEL SERVICE GROUP
135 N. 21ST STREET
SUPERIOR, WISCONSIN 54880
ENGINEERING TELEPHONE: 715.392.0059
ATTENTION: GARY LEEPER
CONSTRUCTION TELEPHONE: 608.796.5195
ATTENTION: STY HOE

CHARTER COMMUNICATIONS
302 E. SUPERIOR STREET
DULUTH, MINNESOTA 55802
TELEPHONE: 218.529.8028
ATTENTION: ALAN SEIFERT



FOR FIELD LOCATES
CALL: 1.800.242.8511
www.DiggersHotline.com

GENERAL NOTES

- ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.
 - WHEN THE QUANTITY OF THE ITEMS OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.
 - THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
 - NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
 - CURVE DATA IS BASED ON THE ARC DEFINITION.
 - THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.
 - DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE 4-INCH TOPSOILED, FERTILIZED, AND SODDED. FINISHED SODDED SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.
 - BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.
 - THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.
 - SIGN PLATE DETAILS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" UNLESS OTHERWISE PROVIDED FOR IN THE PLAN.
 - ALL SIDE ROAD EARTHWORK QUANTITIES ARE INCLUDED IN MAINLINE EARTHWORK QUANTITIES.
 - CONSTRUCT INSIDE EDGE OF SIDEWALK 1/4 INCH HIGHER THAN THE TOP OF CURB, WHEN THEY ARE ADJACENT TO EACH OTHER.
 - A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.
 - ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.
 - EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.
- | PAVEMENT THICKNESS (INCH) | LOWER LAYER (INCH) | LOWER/MIDDLE (INCH) | UPPER LAYER (INCH) |
|---------------------------|--------------------|---------------------|--------------------|
| 4 | 2 | --- | 2 |
- TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.025 GAL/S.Y. AND SHALL BE PLACED BETWEEN LAYERS OF ASPHALTIC PAVEMENT AND BETWEEN THE EXISTING CONCRETE PAVEMENT AND ASPHALTIC PAVEMENT.
 - THE PAVING, GRADING CONTRACT SHALL INCLUDE THE BACKFILL FOR THE AREA BEHIND THE CURB AND GUTTER (SPECIFY APPROPRIATE CONTRACT WHEN CURB AND GUTTER AND GRADING ARE IN SEPARATE CONTRACTS).
 - CURB RAMP TYPES ARE SHOWN ON PLAN SHEETS.
 - CONTRACTOR IS REQUIRED TO COORDINATE CONSTRUCTION OPERATIONS WITH "SUPERIOR WATER, LIGHT, AND POWER" TO COORDINATE WORK BY THE UTILITY.
 - CONTRACTOR WILL COORDINATE ALL ROAD CLOSURES AND STAGING OPERATIONS WITH THE CITY OF SUPERIOR AND PROVIDE ALL TRAFFIC CONTROL DEVICES NECESSARY. THESE SHOULD BE INCIDENTAL TO THE ITEM TRAFFIC CONTROL.
 - SINGLE POST SIGNS WITH MULTIPLE PANELS WILL BE MEASURED AS ONE SIGN.

LEVELS ON = 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63