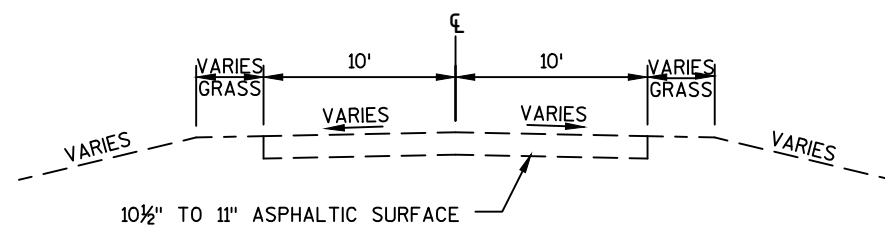
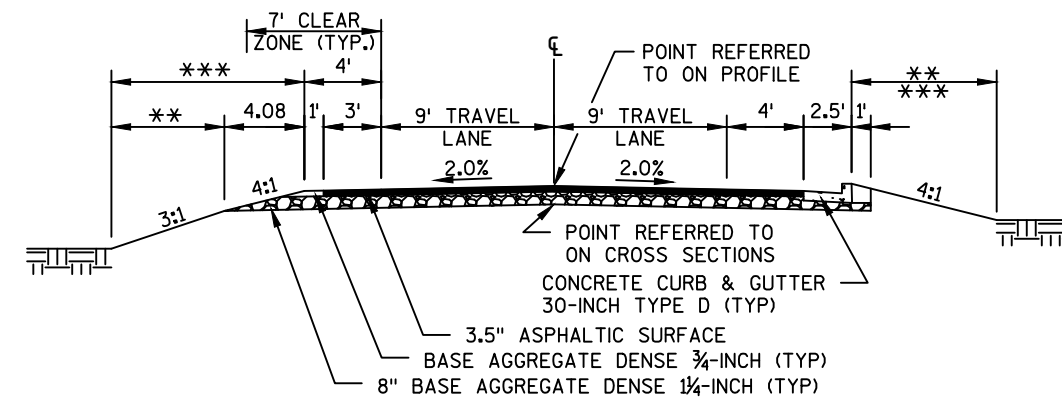


STANDARD ABBREVIATIONS

AC	ACRE	F/L	FLOW LINE	SALV	SALVAGED
AGG	AGGREGATE	FT	FOOT	SAN	SANITARY SEWER
<	ANGLE	GN	GRID NORTH	SECT	SECTION
ASPH	ASPHALTIC	HR	HANDICAP RAMP	SHLDR	SHOULDER
AC	ASPHALT CEMENT	HT	HEIGHT	SW	SIDEWALK
ADT	AVERAGE DAILY TRAFFIC	CWT	HUNDREDWEIGHT	S	SOUTH
B & B	BALLED AND BURLAPPED	HYD	HYDRANT	SB	SOUTHBOUND
BM	BENCH MARK	IN DIA	INCH DIAMETER	SPECS	SPECIFICATIONS
CB	CATCH BASIN	INL	INLET	SQ	SQUARE
' OR C/L	CENTER LINE	ID	INSIDE DIAMETER	SF OR SQ FT	SQUARE FEET
C-C	CENTER TO CENTER	I	INTERSECTION ANGLE	SY	SQUARE YARD
CONC	CONCRETE	IE	INVERT ELEVATION	SSPRC	STORM SEWER
CO	COUNTY	IP	IRON PIPE OR PIN		PIPE REINFORCED CONCRETE
CTH	COUNTY TRUNK HIGHWAY	JCT	JUNCTION	STD	STANDARD
CY	CUBIC YARD	L	LENGTH OF CURVE	SDD	STANDARD DETAIL DRAWINGS
CULV	CULVERT	LF	LINEAR FOOT	STH	STATE TRUNK HIGHWAYS
CP	CULVERT PIPE	LC	LONG CHORD OF CURVE	STA	STATION
CPRC	CULVERT PIPE	LCB	LONG CHORD BEARING	SS	STORM SEWER
	REINFORCED CONCRETE	LS	LUMP SUM	T	TANGENT
C & G	CURB AND GUTTER	MH	MANHOLE	TEL	TELEPHONE
D	DEGREE OF CURVE</				

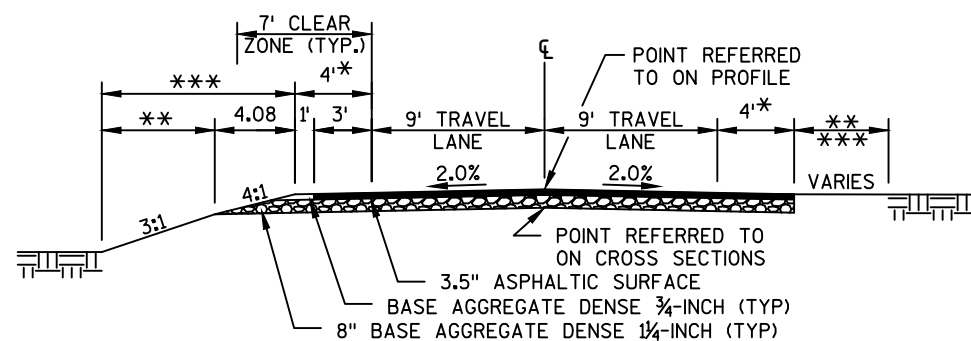


TYPICAL EXISTING SECTION



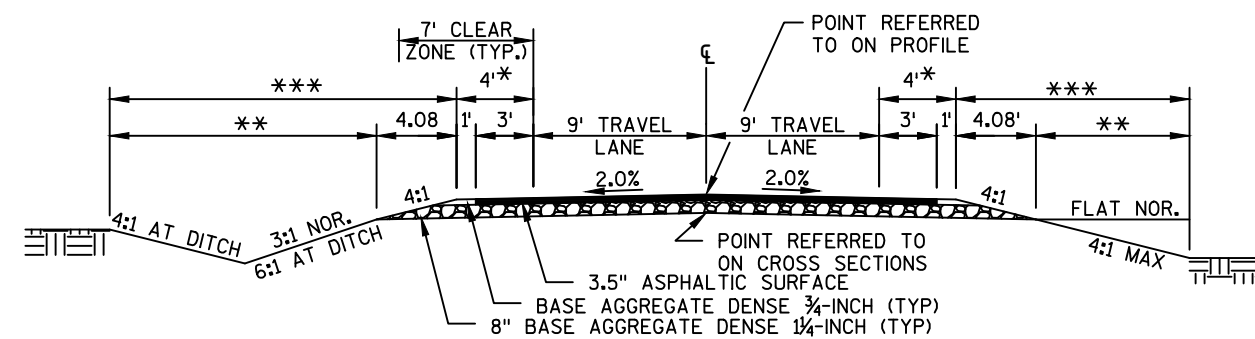
TYPICAL FINISHED SECTION

STA 8+50.00 - STA 9+56.53
STA 10+70.00 - STA 11+50.00 (REVERSED)



TYPICAL FINISHED SECTION

STA 7+50.00 - STA 8+50.00

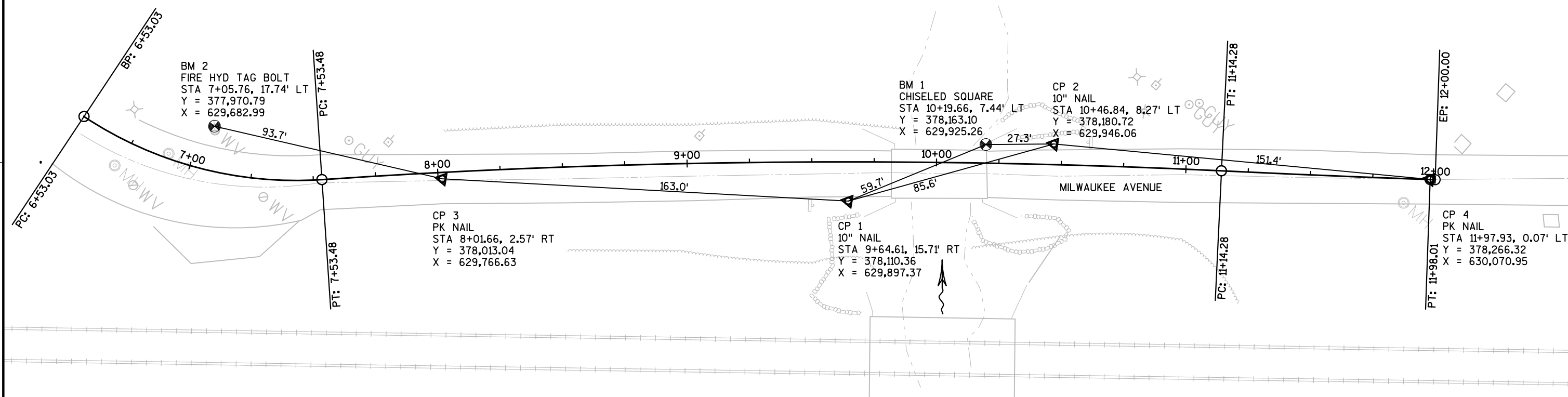


TYPICAL FINISHED SECTION

STA 9+56.53 - STA 9+76.75
STA 10+23.25 - STA 10+70.00
STA 11+50.00 - STA 12+00.00

NOTES:

- * VARIES 1' AT STA 7+50 TO 4' AT STA 8+50,
AND VARIES 4' AT STA 11+50 TO 1' AT STA 12+00
- ** SALVAGED TOPSOIL AND MULCHING LIMITS
- *** SEEDING MIXTURE #20, SEEDING TEMPORARY,
& FERTILIZER TYPE B LIMITS



PROJECT TIES
ALL DISTANCES ARE SLOPE DISTANCES

Estimate Of Quantities

7016-00-05					
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 10+00	LS	1.000	1.000
0008	205.0100	Excavation Common	CY	438.000	438.000
0010	206.1000	Excavation for Structures Bridges (structure) 01. B-41-299	LS	1.000	1.000
0012	208.0100	Borrow	CY	342.000	342.000
0014	210.1500	Backfill Structure Type A	TON	300.000	300.000
0016	213.0100	Finishing Roadway (project) 01. 7016-00-05	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	15.000	15.000
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	568.000	568.000
0022	455.0605	Tack Coat	GAL	55.000	55.000
0024	465.0105	Asphaltic Surface	TON	210.000	210.000

Estimate Of Quantities

7016-00-05					
Line	Item	Item Description	Unit	Total	Qty
0076	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0078	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0080	638.2602	Removing Signs Type II	EACH	4.000	4.000
0082	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0084	642.5001	Field Office Type B	EACH	1.000	1.000
0086	643.0420	Traffic Control Barricades Type III	DAY	1,620.000	1,620.000
0088	643.0705	Traffic Control Warning Lights Type A	DAY	2,430.000	2,430.000
0090	643.0900	Traffic Control Signs	DAY	1,215.000	1,215.000
0092	643.5000	Traffic Control	EACH	1.000	1.000
0094	645.0111	Geotextile Type DF Schedule A	SY	60.000	60.000
0096	645.0120	Geotextile Type HR	SY	365.000	365.000
0098	650.4500	Construction Staking Subgrade	LF	400.000	400.000
0100	650.50				

3

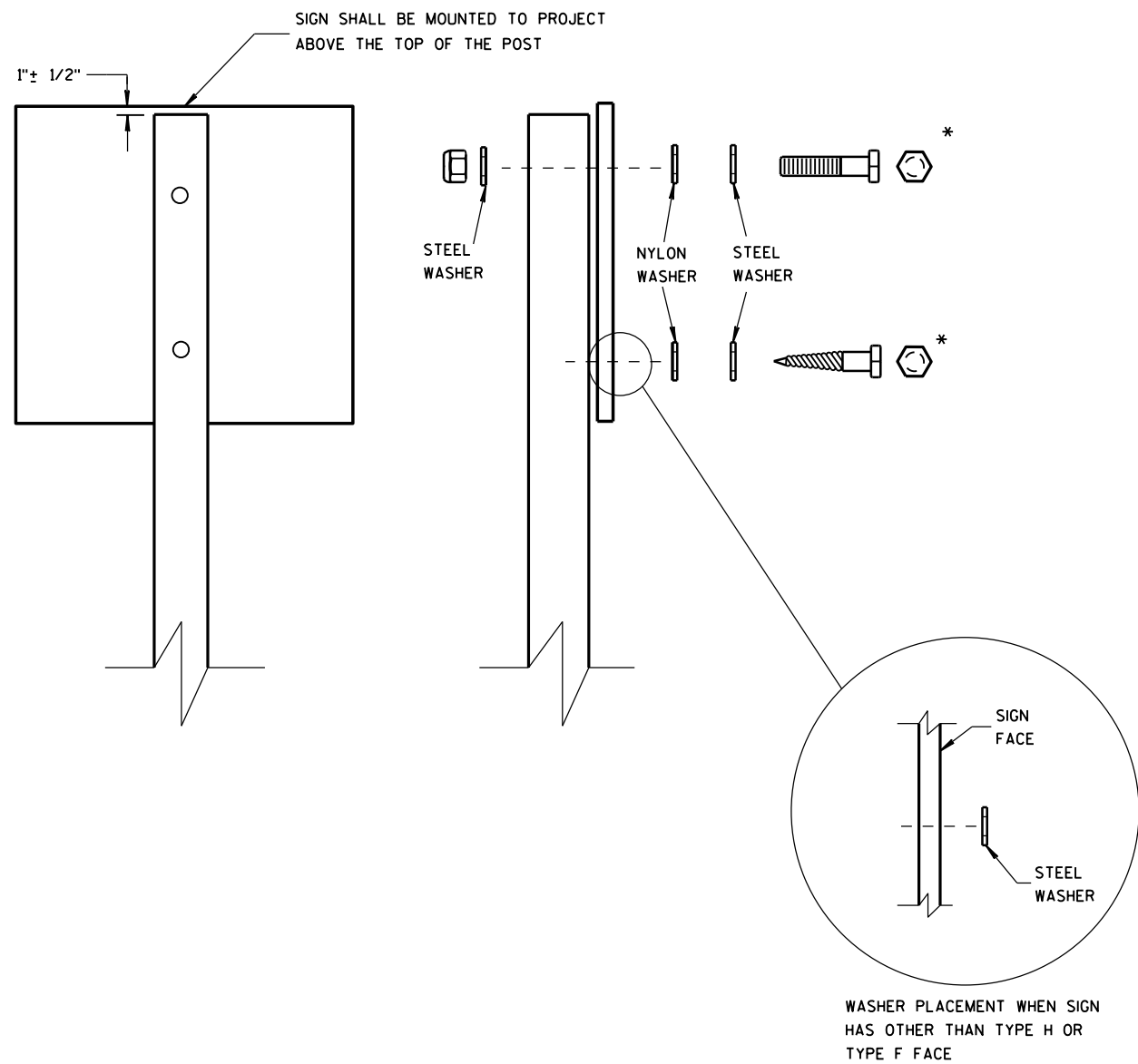
CLEARING & GRUBBING				EARTHWORK			
		201.0105 CLEARING STA	201.0205 GRUBBING STA	205.0100 EXCAVATION COMMON CY	FILL CY (1)	EXPANDED FILL CY (2)	208.0100 BORROW CY
STATION - STATION	LOCATION						
8+00 - 10+00	LT	2	2				
TOTALS:		2	2				

(1) - NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY.
(2) - FILL EXPANSION 30%

BASE AGGREGATE ITEMS			ASPHALT PAVEMENT ITEMS		
305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER (1) MGAL	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	
STATION - STATION			STATION - STATION		
7+50.00 - 9+76.75	8	317	7+50.00 - 9+76.75	31	117
10+23.25 - 12+00.00	7	251	10+23.25 - 12+00.00	24	93
TOTALS:		15	568	18.0	

Standard Detail Drawing List

08D01-20A	CONCRETE CURB & GUTTER
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" x 3"
 - MACHINE BOLTS - 5/16" x 6-1/2" OR 7" LENGTH W/ NUTS

- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" x 3-1/4" LENGTH W/ NUTS
 - RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

- WASHERS (ALL POSTS) -
- 1-1/4" O.D. x 3/8" I.D. x 1/16" STEEL
 - 1-1/4" O.D. x 3/8" I.D. x .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFER

Notes

