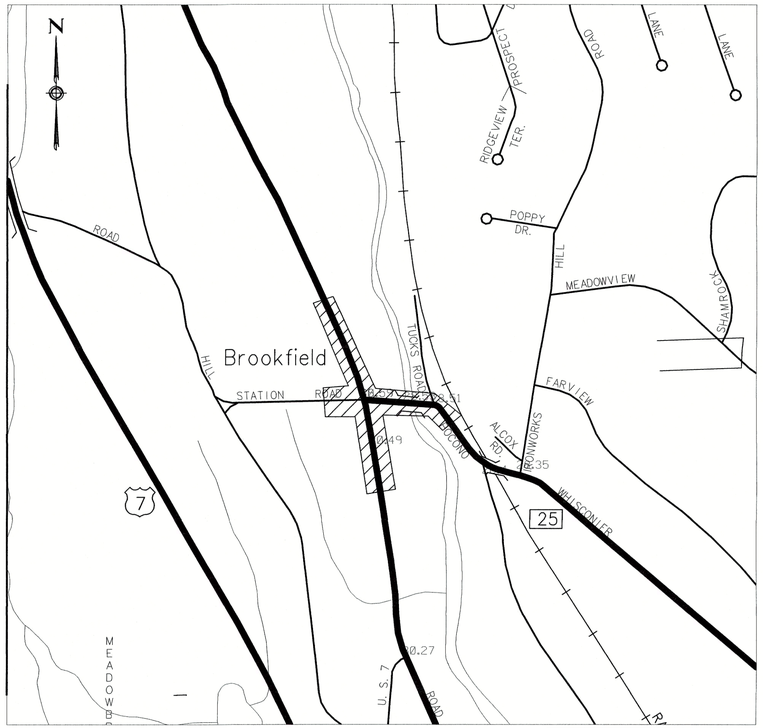


LOCATION PLAN

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
500 250 0 500

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
FEDERAL RD – ROUTE 202	STATE	1,350 FT
STATION RD	TOWN	375 FT
WHISCONIER RD – ROUTE 25	STATE	575 FT

GENERAL NOTES:

1. CONSTRUCTION SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 816, DATED 2004; SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 2016; AND SPECIAL PROVISIONS.
2. BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983.
3. VERTICAL DATUM BASED ON NAVD 88.
4. URS CORPORATION IS NOW PART OF AECOM.

4/13/2015 4:03 PM

TOWN OF BROOKFIELD

DEPARTMENT OF PUBLIC WORKS

TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN

STATE LOT CIP PROJECT NO. L018-0001

INDEX OF DRAWINGS

STEPHEN F. MITCHELL
CONNECTICUT PE #13321
FEBRUARY 15, 2017

STATE OF CONNECTICUT
STEPHEN F. MITCHELL
13321
LICENSED
PROFESSIONAL ENGINEER

AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

DETAIL ESTIMATE

ITEM NUMBER	0100100A	0202001A	0201001	0202529	0205001	0205003	0209001	0212000	0219011A	0406170	0406172	0406236	0406267A	0406399A	0507001A	0507006A	0507021A	0507201A	0507754A	0507781A	0507831A	0507899A	0651001	0651011	0651012	0651742	0811101	0813021	0813031	0813451	0815001	0921001A	0921005A	
DESCRIPTION	RESET MONITORING WELL	EARTH EXCAVATION	CLEARING AND GRUBBING	CUT BITUMINOUS CONCRETE PAVEMENT	TRENCH EXCAVATION 0-4' DEEP	TRENCH EXCAVATION 0-10' DEEP	FORMATION OF SUBGRADE	SUBBASE	SEDIMENT CONTROL SYSTEM AT CATCH BASIN	HMA S1	HMA S0.375	MATERIAL FOR TACK COAT	MILLING OF HMA (0" TO 4")	ASPHALT ADJUSTMENT COST	TYPE "C" CATCH BASIN	TYPE "C" CATCH BASIN TOP	TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE 1	TYPE "C-L" CATCH BASIN	RESET TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE 1	RESET MANHOLE	CONVERT CATCH BASIN TO MANHOLE	OFFSET TYPE "C" CATCH BASIN	BEDDING MATERIAL	12" R.C. PIPE	15" R.C. PIPE	10" POLYVINYL CHLORIDE PIPE	CONCRETE PARK CURBING	6" GRANITE STONE CURBING	6" GRANITE CURVED STONE CURBING	GRANITE STONE TRANSITION CURBING	BITUMINOUS CONCRETE LIP CURBING	CONCRETE SIDEWALK	CONCRETE SIDEWALK RAMP	
UNIT	EA.	C.Y.	L.S.	L.F.	C.Y.	C.Y.	S.Y.	C.Y.	EA.	TON	TON	GAL.	S.Y.	EST.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F	S.F.	
SUBTOTAL	11	2280	1	5160	150	250	1323	367	25	457	1621	932	9174	1	12	1	3	4	1	1	3	1	8	167	282	14	60	3273	997	72	294	15935	2002	
UNASSIGNED	0	120	0	258	10	15	70	20	0	30	90	50	500	0	0	0	0	0	0	0	0	0	1	8	18	1	5	164	50	4	11	797	100	
TOTAL	11	2400	1	5418	160	265	1393	387	25	487	1711	982	9674	1	12	1	3	4	1	1	3	1	9	175	300	15	65	3437	1047	76	305	16732	2102	

ITEM NUMBER	0921013A	0921031A	0921039A	0921102A	0922250A	0922501	0944000A	0945301	0950005A	0970006A	0970007A	0971001A	0975004	0977001	0978002	0979003	0980001A	1001001	1002203	1003894A	1008115	1008908A	1010021	1010060A	1102002	1102008	1102011	1102014	1106001A	1106002A	1106003A	
DESCRIPTION	CONCRETE DRIVEWAY APRON	DECORATIVE CONCRETE CROSSWALK (HERRINGBONE PATTERN)	DETECTABLE WARNING STRIP	BRICK PAVERS	BITUMINOUS CONCRETE BIKEWAY	BITUMINOUS CONCRETE DRIVEWAY	FURNISHING AND PLACING TOPSOIL	MULCHING	TURF ESTABLISHMENT	TRAFFICPERSON (MUNICIPAL POLICE OFFICER) (ESTIMATED COST)	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	TRENCHING AND BACKFILLING	TRAFFIC CONTROL FOUNDATION-PEDESTAL-TYPE I	ORNAMENTAL LIGHT SYSTEM	2" RIGID METAL CONDUIT IN TRENCH	CLEAN EXISTING CONDUIT	CONCRETE HANDHOLE - TYPE II	CLEAN EXISTING CONCRETE HANDHOLE	8' ALUMINUM PEDESTAL	4'-4" ALUMINUM PEDESTAL	14' ALUMINUM PEDESTAL	20' ALUMINUM PEDESTAL	1 WAY PEDESTRIAN SIGNAL POLE MOUNTED	2 WAY PEDESTRIAN SIGNAL POLE MOUNTED	1 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	
UNIT	S.F.	S.F.	EA.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	EST.	HR.	L.S.	L.S.	EA.	EA.	EA.	LS	L.F.	EA.	L.S.	L.F.	L.F.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
SUBTOTAL	1415	317	25	83	230	955	1730	448	1730	1	640	1	1	10	22	4	1	352	7	1	352	430	7	7	2	1	3	1	1	2	1	
UNASSIGNED	75	15	1	5	11	50	90	23	90	0	32	0	0	0	2	1	0	18	0	0	18	22	0	0	0	0	0	0	0	0	0	
TOTAL	1490	332	26	88	241	1005	1820	471	1820	1	672	1	1	10	24	5	1	370	7	1	370	452	7	7	2	1	3	1	1	2	1	

ITEM NUMBER	1106004A	1107011A	1111401A	1111407A	1111451A	1113049	1113050	1113103	1117110A	1117111A	1118012A	1206023A	1208931	1208932	1210101A	1210102A	1210105A	1220013A	1303196A	1407001A	
DESCRIPTION	2 WAY PEDESTRIAN SIGNAL PEDESTAL MOUNTED	ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)	LOOP VEHICLE DETECTOR	CAMERA VIDEO DETECTION SYSTEM	LOOP DETECTOR SAW CUT	2 CONDUCTOR NO. 8 CABLE	2 CONDUCTOR NO. 14 CABLE	7 CONDUCTOR NO. 14 CABLE	RECTANGULAR RAPID FLASHING BEACON (RRFB) TYPE A	RECTANGULAR RAPID FLASHING BEACON (RRFB) TYPE B	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS	CONSTRUCTION SIGNS BRIGHT FLUORESCENT SHEETING	RELOCATE FIRE HYDRANT	ADJUST UTILITY GATE	
UNIT	EA.	EA.	EA.	EA.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	L.S.	L.S.	S.F.	S.F.	L.F.	L.F.	S.F.	S.F.	EA.	EA.	
SUBTOTAL	4	8	4	1	293	50	1358	1008	2	1	1	1	26	316	4609	4528	865	190	1	6	
UNASSIGNED	0	0	0	0	15	3	68	50	0	0	0	0	2	16	231	227	44	10	0	1	
TOTAL	4	8	4	1	308	53	1426	1058	2	1	1	1	28	332	4840	4755	909	200	1	7	

TOWN OF BROOKFIELD, CT

AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **DETAILED ESTIMATE**

FILE NAME:----

PLOT DATE: 4/20/2016

PROJECT LEADER: SM

DESIGNED BY: AG

DRAWN BY: AG

CHECKED BY: PG XX

DRAWING NO.: **DE-01**

SHEET NO.: 2

GENERAL NOTES

1. THE EXISTING CONDITIONS BASE PLAN WAS COMPILED FROM RECORD MAPS, RESEARCH AND OTHE'R SOURCES OF INFORMATION. THE EXISTING INFORMATION ALONG THE PROJECT ALIGNMENT WAS BASED ON FIELD SURVEY. THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE CONSULTANT MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THIS AREA, EITHER IN SERVICES OR ABANDONED. THE CONSULTANT FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED. THE CONSULTANT HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES.

2. THE CONTRACTOR SHALL DETERMINE, PRIOR TO CONSTRUCTION, THE LOCATIONS OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM HIS OPERATIONS. CALL BEFORE YOU DIG, 1–800–922–4456, AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS TO COORDINATE ACTIVITIES WITH INDIVIDUAL COMPANY REPRESENTATIVES. THE CONTRACTOR SHALL ACCURATELY LOCATE ALL UNDERGROUND UTILITIES IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH THEM AND SHALL BE RESPONSIBLE FOR ALL DAMAGES.

3. AS CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, DEBRIS, ETC. AND RESTORE AND/OR REPAIR ANY DAMAGE TO LANDSCAPING.

4. ANY PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.

5. AREAS OUTSIDE THE WORK LIMITS DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER AND SHALL BE GRADED TO MEET PROPOSED CONSTRUCTION AS DIRECTED BY THE ENGINEER. COST FOR THIS WORK SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY AT NO COST TO THE OWNER.

6. THE CONTRACTOR SHALL PROCURE ALL THE NECESSARY PERMITS AND LICENSES, PAY ALL CHARGES AND FEES, AND GIVE NOTICES NECESSARY AND DUE IN CONNECTION WITH THE LAWFUL EXECUTION OF THE WORK AT NO ADDITIONAL COST TO THE TOWN.

7. EXCAVATION OF ANY TYPE SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT UNDERGROUND UTILITIES AND STRUCTURES ARE NOT DAMAGED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. ALL EXCAVATION SHALL BE IN CONFORMANCE WITH THE LATEST OSHA REQUIREMENTS.

8. ALL UTILITY BOXES, FRAMES, GRATES, ETC. AFFECTED BY THE CONSTRUCTION ACTIVITIES, SHALL BE RESET TO THE PROPER GRADE. ALL COST RELATED TO SUCH WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID.

9. ALL DRIVEWAYS, ROADS, STAIRS, AND SIDEWALKS DISTURBED BY THE CONSTRUCTION IN OR OUTSIDE THE PROJECT AREA SHALL BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER AND SHALL BE GRADED TO MEET PROPOSED CONSTRUCTION AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

10. ANY UTILITY SERVICE CONNECTIONS (GAS, WATER, SEWER, ELECTRIC, ETC.) DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AND SERVICE RESTORED. AT NO TIME SHALL ANY EXISTING BUILDING BE WITHOUT SERVICES (INCLUDING FIRE PROTECTION) WITHOUT PRIOR NOTIFICATION OF THE PARTICULAR UTILITY AUTHORITY AND PROPERTY OWNER. NO FIRE PROTECTION UTILITIES OF ANY KIND WILL BE DISRUPTED WITHOUT PERMISSION FROM THE FIRE MARSHALL. THE CONTRACTOR SHALL COORDINATE HIS WORK, PRIOR TO A UTILITY SHUTDOWN, WITH THE UTILITY COMPANY AND THE OWNER.

11. THE CONTRACTOR SHALL SUFFICIENTLY COVER ALL DISTURBED AREAS AT THE END OF EACH WORK DAY TO AVOID ANY RISK OF INJURY TO PEDESTRIAN OR VEHICULAR TRAFFIC. THE CONTRACTOR SHALL INSTALL TEMPORARY SUPPORT SYSTEMS OVER TRENCH EXCAVATIONS THAT ARE TAMPER RESISTANT AND SAFE FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL INSTALL BARRICADES TO PROTECT AGAINST PEDESTRIAN ACCESS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TEMPORARY SAFETY MEASURES BY THE ENGINEER AND THE OWNER. ALL MAINTENANCE AND PROTECTION OF BOTH PEDESTRIAN AND VEHICULAR TRAFFIC SHALL MEET THE REQUIREMENTS OF ITEM# 0971001A – MAINTENANCE AND PROTECTION OF TRAFFIC AND IS INCLUDED IN THE BID PRICE FOR THIS ITEM.

12. LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES INSTALLED OR FOUND DURING CONSTRUCTION SHALL BE INDICATED BY THE CONTRACTOR ON RECORD DRAWINGS, MEASURED FROM PERMANENT SURFACE FEATURES.

13. WHEN EXCAVATING CLOSE TO TREES, USE ONLY HAND TOOLS. CARE SHALL BE TAKEN TO ENSURE THAT TREE ROOTS ARE NOT DAMAGED IN ANY WAY. THE INSPECTOR SHALL BE NOTIFIED IMMEDIATELY WHENEVER TREE ROOTS ARE ENCOUNTERED. FURTHER EXCAVATING AT THAT LOCATION SHALL BE AS DIRECTED BY THE INSPECTOR.

14. CONTRACTOR SHALL INFORM UTILITY COMPANY OF REQUIRED POLE RELOCATION AND COORDINATE HIS WORK WITH UTILITY COMPANY.

15. PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, (I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC.) WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE ESTIMATED LOCATION OF SUCH INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING, AND WHEN IT IS UNCOVERED, PROPER SUPPORTS SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. UTILITY COMPANIES SHALL BE CONTACTED AND ADVISED PRIOR TO THE START OF ACTUAL EXCAVATION. VERIFICATION BY TEST EXCAVATION IF NECESSARY.

16. NO MATERIAL OR EQUIPMENT IS ALLOWED TO BE STORED OVERNIGHT WITHIN THE STREET R.O.W.

17. REFER TO THE SPECIAL CONDITIONS OF THIS PROJECT, SECTION 1.08–PROSECUTION AND POROGRESS FOR HOURS OF WORK RESTRICTIONS.

18. BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM (NAD 83) BASED UPON MDC MONUMENTS 48053 & 77109 HOLDING THE FOLLOWING PUBLISHED COORDINATE VALUES:
    MDC 48053 N 839,947.14 E 1,010,596.45
    MDC 77109 N 840,322.79 E 1,013,053.96

19. ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) BASED UPON MDC MONUMENTS V–52, V–123 & V–124 HOLDING THE FOLLOWING PUBLISHED ELEVATIONS:
    V–52 75.204 V–123 64.975 V–124 74.68

STANDARD ABBREVIATIONS

ABDN('D)	ABANDON(ED)
AC	ACRE/AIR CONDITIONING
AOBE	AS ORDERED BY THE ENGINEER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BOTTOM CURB
BCLC	BITUMINOUS CONCRETE LIP CURBING
BIT	BITUMINOUS
BL	BOTTOM OF LIP
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
BOW	BACK OF WALK
BSMT	BASEMENT
BW	BOTTOM OF WALL
C	CABLE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CURVE CENTER
CF	CUBIC FEET
CIP	CAST IRON PIPE
CL, C/L	CENTERLINE
CLF	CHAIN LINK FENCE
CL&P	CONNECTICUT LIGHT & POWER
CMP	CORRUGATED METAL PIPE
CO	COMPANY
COMB	COMBINED
CONC	CONCRETE
CONN, CT	CONNECTICUT
CPP	CORRUGATED POLYETHYLENE PIPE
CSW	CONCRETE SIDEWALK
CY	CUBIC YARD
D	STORM MANHOLE
DC	DEGREE OF CURVATURE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DOT	DEPARTMENT OF TRANSPORTATION
DWG	DRAWING
DS	DESIGN SPEED
DWL	DASHED WHITE LINE
DYCL	DOUBLE YELLOW CENTERLINE
E	EAST/ELECTRIC/EASTING
EG	EXISTING GRADE
EL, ELEV	ELEVATION
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EX/EXIST	EXISTING
FES	FLARED END SECTION
FF	FIRST FLOOR
FT	FEET, FOOT
G	GAS
GEN	GENERATOR
GG	GAS GATE
GRAN	GRANITE
GRC	GALVANIZED RIGID CONDUIT
GCSC	GRANITE CURVED STONE CURBING
GSC	GRANITE STONE CURBING
H, HOR	HORIZONTAL
HC	HANDICAPPED
HTFD	HARTFORD
HYD	HYDRANT
IN	INCHES
INC	INCORPORATED
INV	INVERT
L	LENGTH OF CURVE
LOC	LOCATION
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MPH	MILES PER HOUR
N	NORTH, NORTHING
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
OH	OVERHEAD
P	POWER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCPP	PERFORATED CORRUGATED POYETHYLENE PIPE
PED	PEDESTRIAN
PI	POINT OF INTERSECTION
PL, P/L	PROPERTY LINE
POT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVATURE
PROP	PROPOSED
PS	PARKING SPACES
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R, RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
RET	RETAINING
REV	REVISION
RGCDR	RADIAL GRANITE CURB DRIVEWAY RETURN
RMC	RIGID METAL CONDUIT
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH/SANITARY MANHOLE
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FEET
SHLDR	SHOULDER
SL, S/L	STREET LINE
ST	STORM
STA	STATION
STD	STANDARD
STRM	STORM
SY	SQUARE YARD
T	TANGENT LENGTH/TELEPHONE
TC	TOP CURB
TEL	TELEPHONE
TF	TOP OF FRAME
TL	TOP OF LIP
TW	TOP OF WALL
TYP	TYPICAL
US	UNITED STATES
USA	UNITED STATES OF AMERICA
V, VERT	VERTICAL
W	WATER
W/	WITH
WG, WV	WATER GATE/WATER VALVE
W/O	WITHOUT
XFMR	TRANSFORMER
&	AND
@	AT
△	DELTA ANGLE
XX" (YYY)	DISTANCE NOTES IN INCHES (MILLIMETERS)

RIGHT OF WAY KEY

Ⓐ RIGHT TO GRADE

Ⓑ RIGHT TO RECONSTRUCT DRIVEWAY, STEPS, AND/OR WALK

Ⓒ EASEMENT TO CONSTRUCT DRAINAGE

Ⓓ ROADWAY RIGHT–OF–WAY TAKING

⟨1⟩ PARCEL NUMBER

LEGEND

DESCRIPTIONS	EXISTING	PROPOSED
EASEMENT LINE		
ROW LINE		
PROPERTY LINE		
PROJECT LIMIT LINE		
GRANITE CURB	GRANITE CURB EXISTING	GRANITE CURB RESET GRANITE CURB NEW
TREELINE OR HEDGELINE		
BUSHES		
CONIFEROUS TREE		
DECIDUOUS TREE		
CONTOUR LINES (MINOR)	51	51
CONTOUR LINES (MAJOR)	50	50
ABANDON PIPE/STRUCTURE		
REMOVE PIPE/STRUCTURE REMOVE SURFACE FEATURE		
SILT FENCE		
INLET PROTECTION – TYPE I		
INLET PROTECTION – TYPE II		
CONSTRUCTION ENTRANCE		
STORM PIPE	8" Strm	X" Strm
CATCH BASIN	CB	
DRAIN	Drain	
GAS MAIN	G	
GAS GATE	GG	
WATER PIPE	W	
SANITARY PIPE/LATERAL	6"San	
FIRE PROTECTION	FP	
HYDRANT	Hyd.	
STORM MANHOLE		
SANITARY MANHOLE		
WATER GATE VALVE	WG	WG
TELECOMMUNICATIONS	T	
OVERHEAD ELECTRIC	OVERHEAD WIRES	O/H E
LIGHT POLE		
SIGN		
UTILITY POLE		
R.M.C.		
FENCE	(TYPE)	
SURVEY CONTROL LINE		
SAWCUT LINE		
HANDICAP RAMP		
FILL LINE		F
CUT LINE		C

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **GENERAL NOTES, STANDARD ABBREVIATIONS & LEGEND**

FILE NAME:----

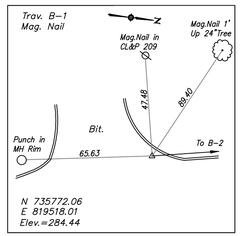
PROJECT LEADER: SM
DESIGNED BY: AG

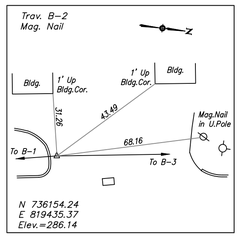
PLOT DATE:4/20/2016

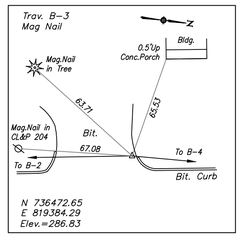
DRAWN BY: AG
CHECKED BY: PG

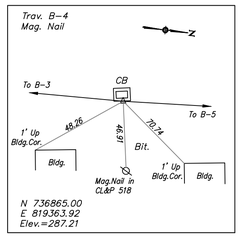
DRAWING NO.: **GN-01**

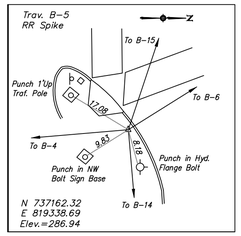
SHEET NO.: 3

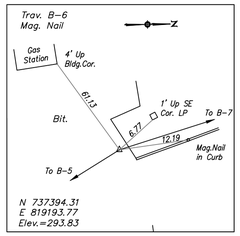


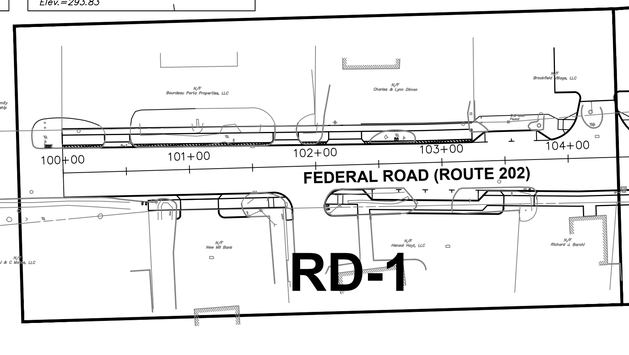


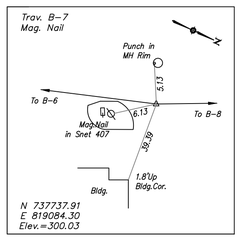


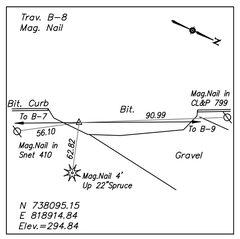


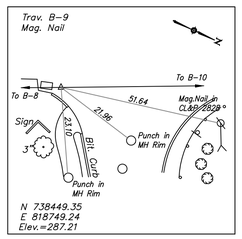


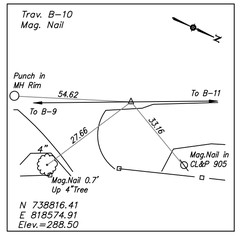


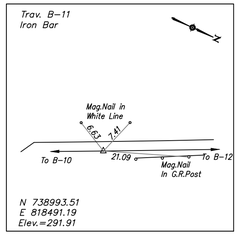


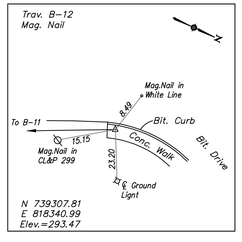


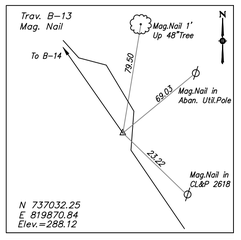


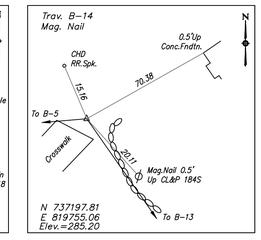


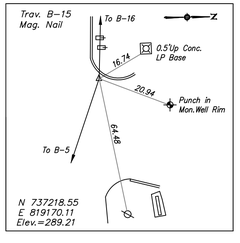


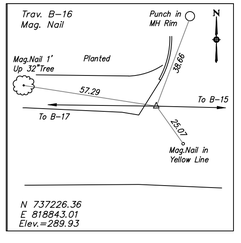


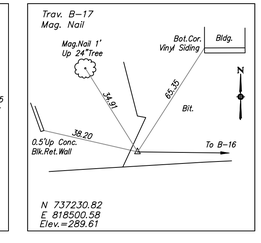












GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
60 30 0 60

TOWN OF BROOKFIELD, CT

AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **INDEX PLAN**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **IN-01**
SHEET NO.:

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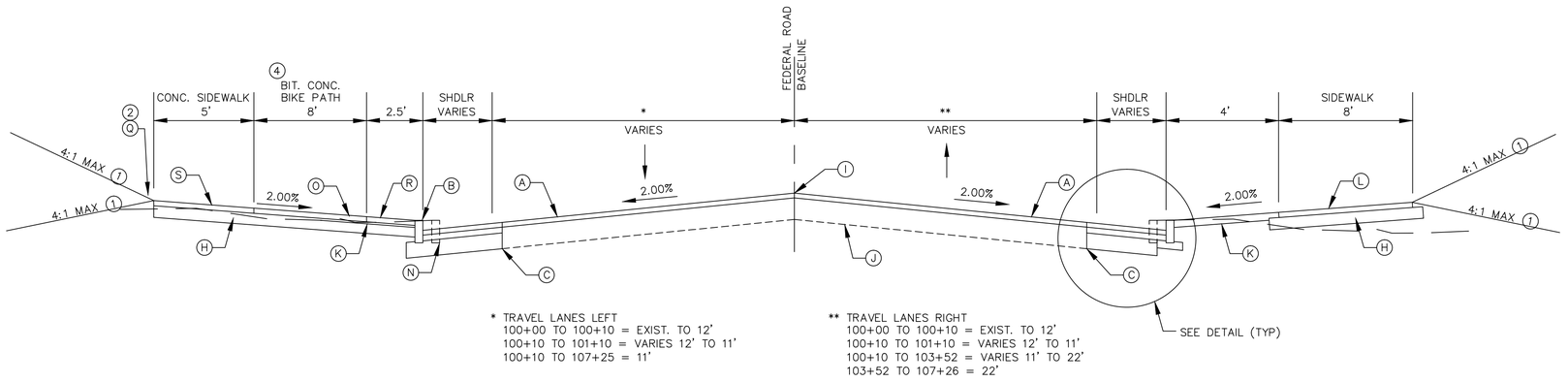
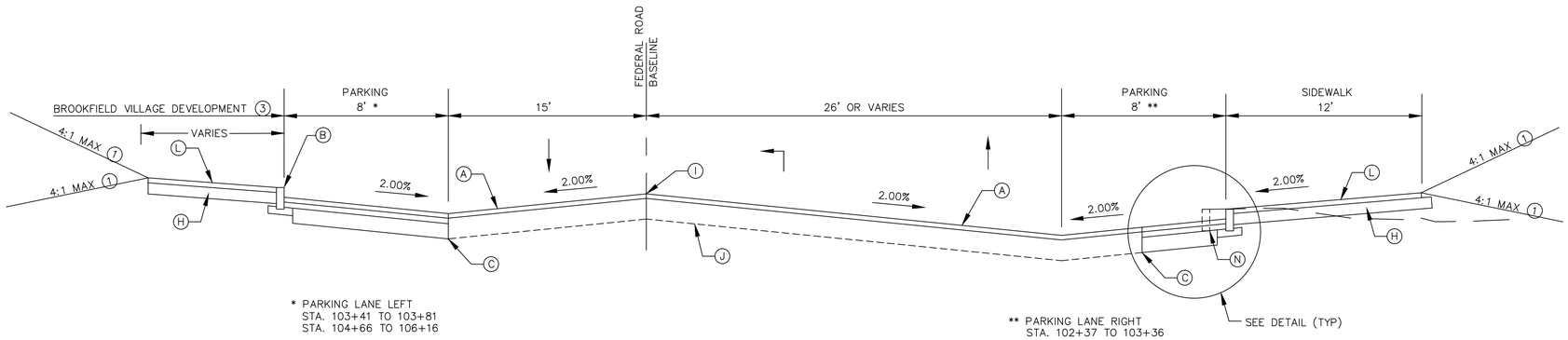


* TRAVEL LANES LEFT
100+00 TO 100+10 = EXIST. TO 12'
100+10 TO 101+10 = VARIES 12' TO 11'
100+10 TO 107+25 = 11'

** TRAVEL LANES RIGHT
100+00 TO 100+10 = EXIST. TO 12'
100+10 TO 101+10 = VARIES 12' TO 11'
100+10 TO 103+52 = VARIES 11' TO 22'
103+52 TO 107+26 = 22'

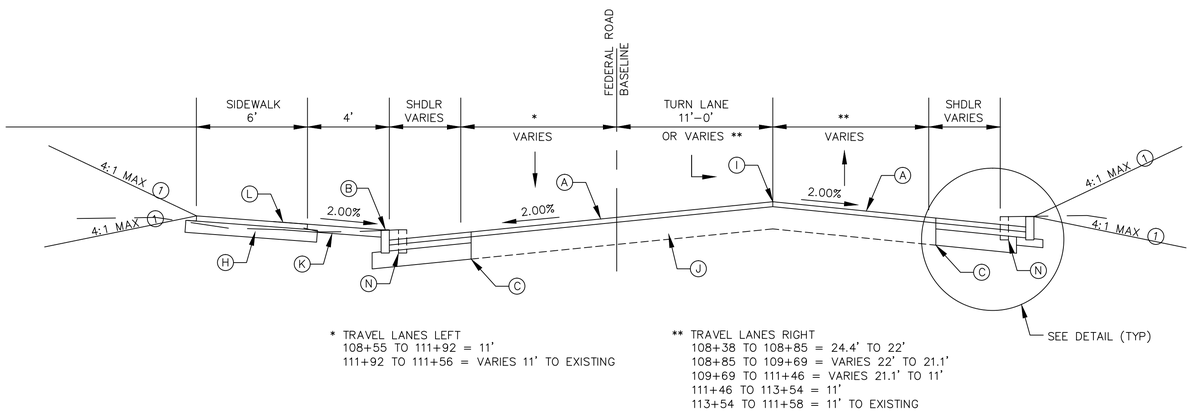
FEDERAL RD TYPICAL SECTION NO. 1
STA. 100+00 TO 103+25 ±



* PARKING LANE LEFT
STA. 103+41 TO 103+81
STA. 104+66 TO 106+16

** PARKING LANE RIGHT
STA. 102+37 TO 103+36
STA. 104+96 TO 106+08

FEDERAL RD TYPICAL SECTION NO. 2
STA. 103+25 ± TO 106+16



* TRAVEL LANES LEFT
108+55 TO 111+92 = 11'
111+92 TO 111+56 = VARIES 11' TO EXISTING

** TRAVEL LANES RIGHT
108+38 TO 108+85 = 24.4' TO 22'
108+85 TO 109+69 = VARIES 22' TO 21.1'
109+69 TO 111+46 = VARIES 21.1' TO 11'
111+46 TO 113+54 = 11'
113+54 TO 111+58 = 11' TO EXISTING

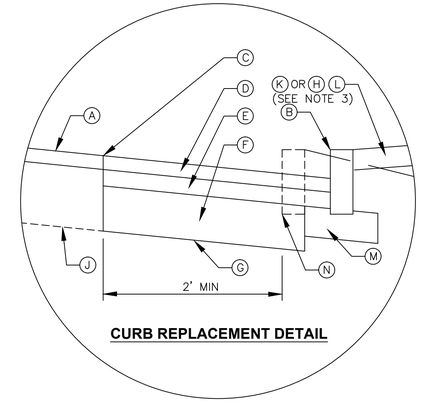
FEDERAL RD TYPICAL SECTION NO. 3
STA. 106+16 TO 113+50

TYPICAL SECTION LEGEND:

- (A) 1–1/2" MILL & 1–1/2" BITUMINOUS OVERLAY
- (B) GRANITE CURB (RESET OR NEW – SEE PLANS FOR LOCATIONS AND APPLICABLE DETAILS)
- (C) SAW CUT PAVEMENT
- (D) 3" HMA S0.375
- (E) 6" HMA S1
- (F) 10" SUBBASE
- (G) FORMATION OF SUBGRADE
- (H) 8" GRANULAR FILL
- (I) POINT OF APPLICATION OF GRADE
- (J) EXISTING ROADWAY STRUCTURE
- (K) 4" TOPSOIL AND TURF ESTABLISHMENT
- (L) CONCRETE SIDEWALK WITH BRICK PAVERS (SEE DETAIL)
- (M) 6" GRANULAR FILL
- (N) EXISTING CURB TO BE REMOVED
- (O) BITUMINOUS CONCRETE BIKE PATH
- (Q) 6" BITUMINOUS CONCRETE LIP CURB (BCLC)
- (R) BRICK PAVERS
- (S) CONCRETE SIDEWALK

NOTES:

1. IN AREAS ADJACENT TO PAVED PARKING, ADJUST SLOPE TO MEET CUT/FILL LINE AS SHOWN ON THE PLANS.
2. INSTALL 6" BCLC AT BACK OF BIKE PATH STA. 102+40 ± TO 103+25 ±.
3. BRICK PAVERS (R) SHALL BE USED INSTEAD OF TOPSOIL AND TURF (K) WHEN DISTANCE FROM FACE OF CURB TO FRONT OF SIDEWALK IS LESS THAN 3 FEET.
4. AT DRIVEWAYS, REDUCE BIKE PATH TO 6.5' TO ACCOMMODATE APRON.



CURB REPLACEMENT DETAIL

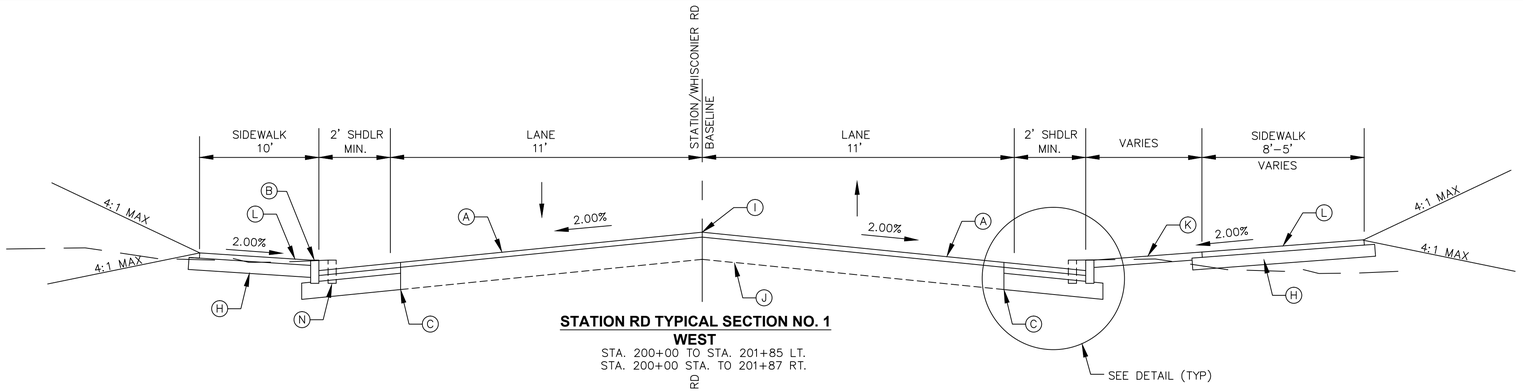
NOT TO SCALE

TOWN OF BROOKFIELD, CT

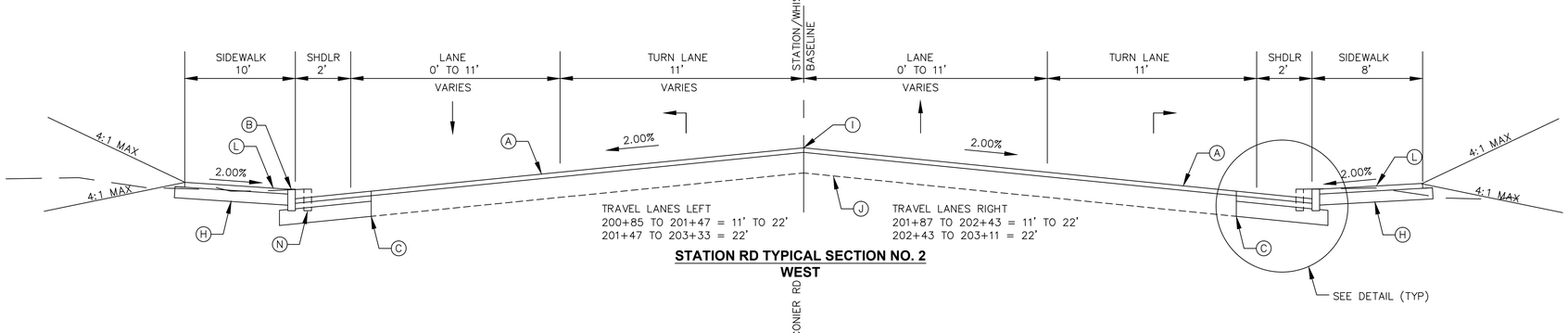
AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **FEDERAL ROAD, TYPICAL SECTIONS**

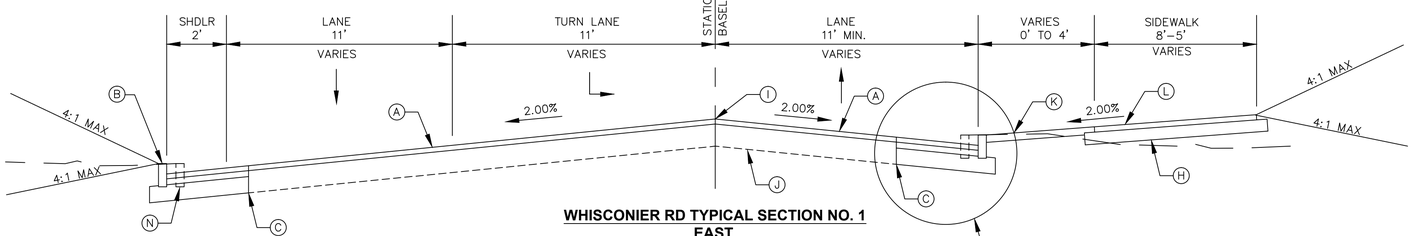
FILE NAME:----
PLOT DATE: 4/20/2016
PROJECT LEADER: SM
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **TY-01**
SHEET NO.: 5



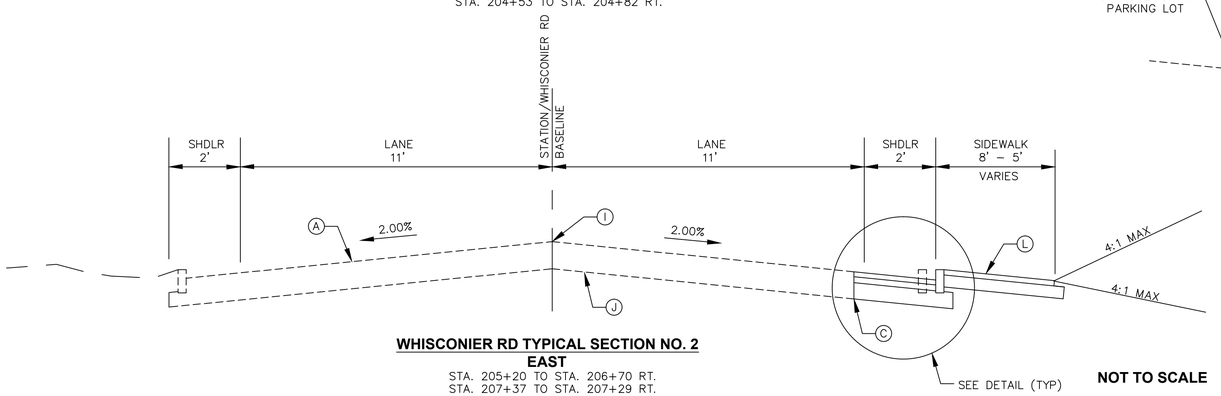
STATION RD TYPICAL SECTION NO. 1
WEST
STA. 200+00 TO STA. 201+85 LT.
STA. 200+00 STA. TO 201+87 RT.



STATION RD TYPICAL SECTION NO. 2
WEST



WHISCONIER RD TYPICAL SECTION NO. 1
EAST
STA. 204+35 TO STA. 204+82 LT.
STA. 204+53 TO STA. 204+82 RT.

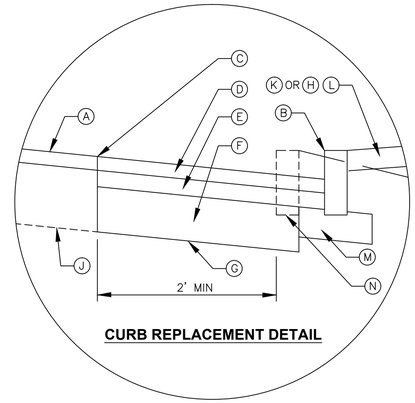


WHISCONIER RD TYPICAL SECTION NO. 2
EAST
STA. 205+20 TO STA. 206+70 RT.
STA. 207+37 TO STA. 207+29 RT.

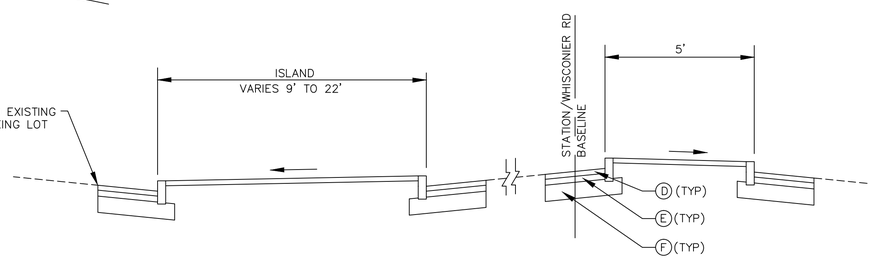
NOT TO SCALE

TYPICAL SECTION LEGEND:

- (A) 1–1/2" MILL & 1–1/2" BITUMINOUS OVERLAY
- (B) GRANITE CURB (RESET OR NEW – SEE PLANS FOR LOCATIONS AND APPLICABLE DETAILS)
- (C) SAW CUT PAVEMENT
- (D) 3" HMA S0.375
- (E) 6" HMA S1
- (F) 10" SUBBASE
- (G) FORMATION OF SUBGRADE
- (H) 8" GRANULAR FILL
- (I) POINT OF APPLICATION OF GRADE
- (J) EXISTING ROADWAY STRUCTURE
- (K) 4" TOPSOIL AND TURF ESTABLISHMENT
- (L) CONCRETE SIDEWALK WITH BRICK PAVERS
- (M) 6" GRANULAR FILL
- (N) EXISTING CURB TO BE REMOVED
- (O) BITUMINOUS CONCRETE BIKE PATH



CURB REPLACEMENT DETAIL



WHISCONIER RD TYPICAL SECTION NO. 3
STA. 208+15 TO STA. 208+88 LT.

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **STATION RD / WHISCONIER RD, TYPICAL SECTIONS**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **TY-02**
SHEET NO.: 6

4/9/2015 11:12 AM
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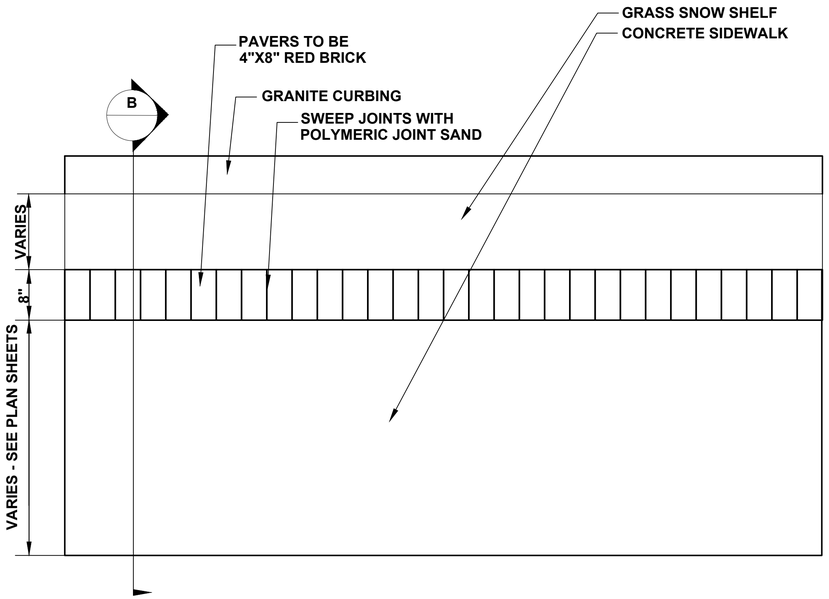
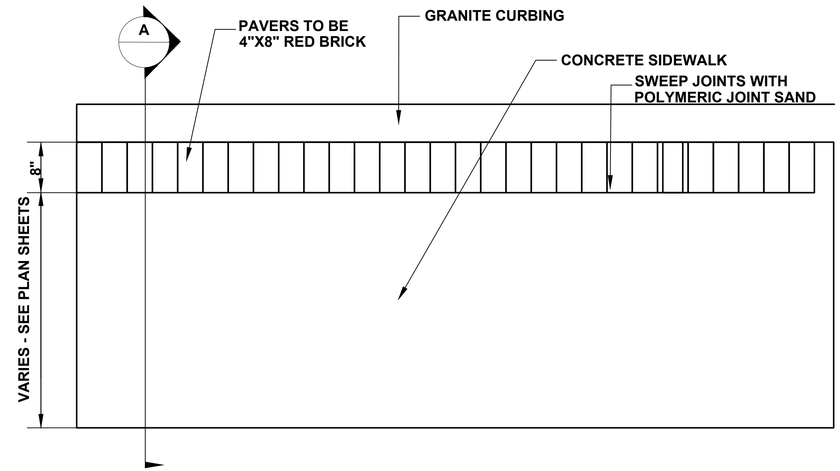


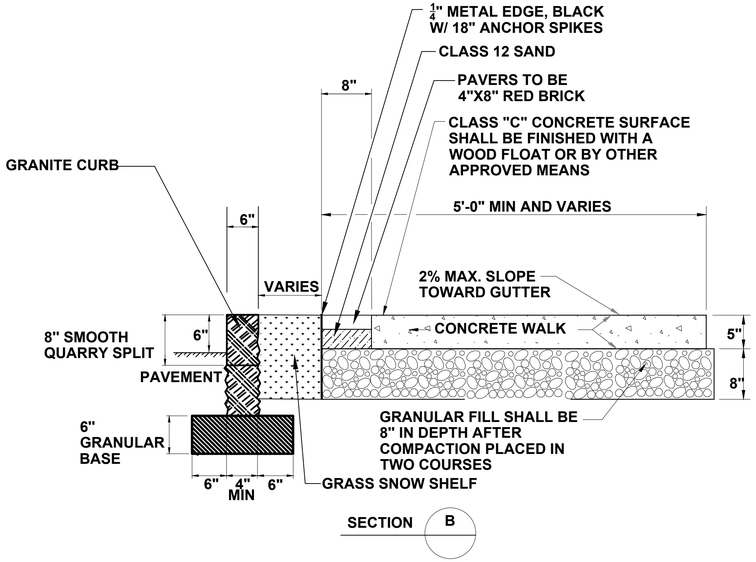
SIDEWALK PAVEMENT TYPICAL WITH GRASS SNOW SHELF - PLAN VIEW

SCALE: 1" =1'-0"



SIDEWALK PAVEMENT ADJACENT TO CURB TYPICAL - PLAN VIEW

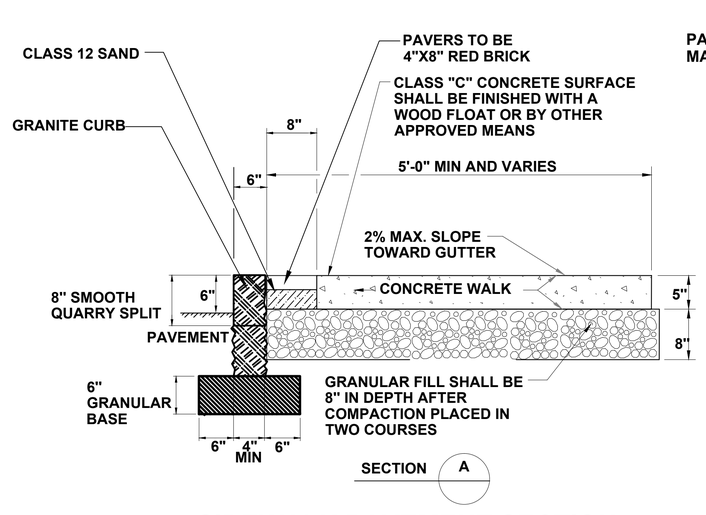
SCALE: 1" =1'-0"



SIDEWALK PAVEMENT WITH GRASS SNOW SHELF SECTION AND BRICK PAVERS

SCALE: 1" =1'-0"

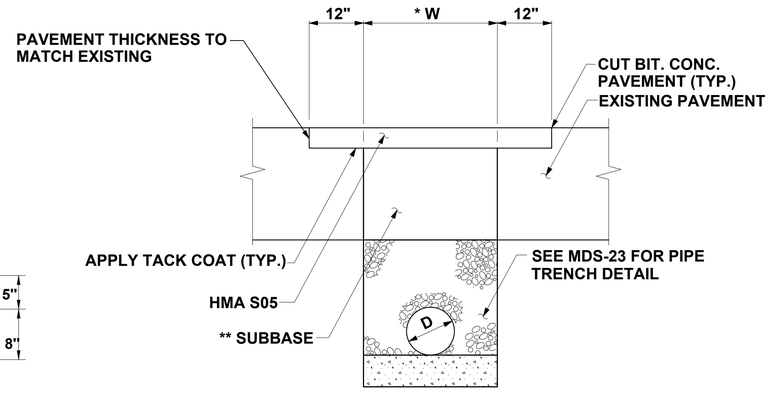
NOTE:
½" PREMOLDED EXPANSION JOINT MATERIAL AT ALL HARD JOINTS (BETWEEN SECTION OF SIDEWALK, BUILDINGS, POLE FOUNDATION) EVERY 15'.



SIDEWALK PAVEMENT SECTION WITH BRICK PAVERS

SCALE: 1" =1'-0"

NOTE:
½" PREMOLDED EXPANSION JOINT MATERIAL AT ALL HARD JOINTS (BETWEEN SECTION OF SIDEWALK, BUILDINGS, POLE FOUNDATION).



PAVEMENT REPAIR FOR TRENCH EXCAVATION

SCALE: NTS

* FOR D < 30", W = D + 24"
FOR D > 30", W = D + 36"
** AS REQUIRED TO MEET BOTTOM OF EXIST. SUBBASE

TOWN OF BROOKFIELD, CT

PROJECT NAME: TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN

SHEET TITLE: MISCELLANEOUS DETAILS

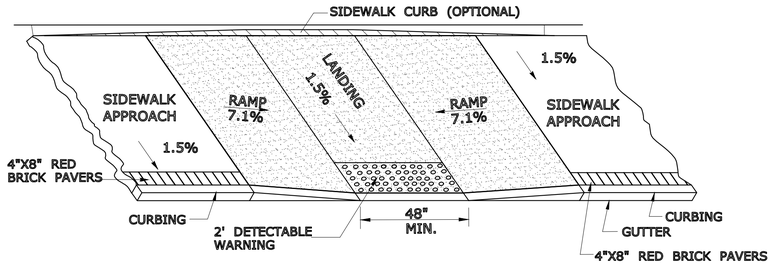
AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-01
SHEET NO.: 7

GENERAL NOTES:

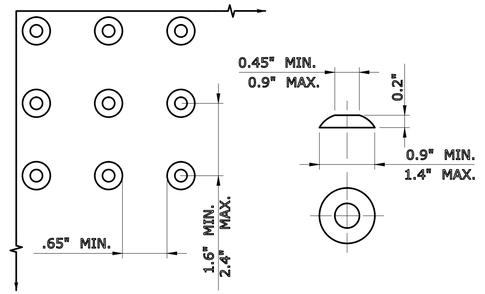
1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP SHOULD NOT EXCEED 5%. THE MAXIMUM GRADE DIFFERENCE BETWEEN THE GUTTER AND CURB RAMP SHALL NOT EXCEED 13%.
2. RAMP GRADE SHALL BE UNIFORM, FREE OF SAGS AND ABRUPT GRADE CHANGES. RUNNING SLOPES OF RAMPS SHALL NOT EXCEED 8.3%
3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "F" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE OF ALL SIDEWALK RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. SURFACE DISCONTINUITIES SHALL NOT EXCEED 1/2" MAX. VERTICAL DISCONTINUITIES BETWEEN 1/4" AND 1/2" MAX. SHALL BE BEVELED 1:2 MINIMUM APPLIED ACROSS THE ENTIRE LEVEL CHANGE.
5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES. DIAGONAL AND PERPENDICULAR RAMPS SHALL HAVE THE RAMP CUT PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS FOR THE DESIGNATED ACCESSIBLE ROUTE. BOTH LONGITUDINAL SIDES OF THE RAMP SHOULD BE THE SAME LENGTH. SKEWED RAMPS SHOULD BE AVOIDED. FLARES ARE NOT CONSIDERED PART OF PEDESTRIAN ACCESS ROUTE. DIAGONAL RAMPS SHOULD NOT BE INSTALLED WHERE CURB RADII IS LESS THAN 20'(6096).
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT. 8.3% MAXIMUM SLOPE MAY NOT BE ACHIEVABLE DUE TO EXISTING SIDEWALK GRADE. IN RECOGNITION OF THIS, A LIMIT OF 15' FOR REMOVAL SHALL BE USED UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK RAMP" OR "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. CONCRETE SIDEWALK RAMPS, SHALL BE PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK RAMP", AS DEFINED BY THE CONSTRUCTION LIMITS ON THE PLANS AND SHALL BE FIELD VERIFIED.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED WITH THE TOE AT THE GUTTER CAST INTEGRALLY WITH RAMP UNLESS DIRECTED OTHERWISE BY THE ENGINEER (SEE TYPICAL SECTION ON THIS SHEET). CURB REMOVAL AND CAST IN PLACE CURBING REQUIRED FOR THE RAMP, SHALL BE INCLUDED WITH PAY ITEM "CONCRETE SIDEWALK RAMP". CURBING OUTSIDE LIMITS OF RAMP OR LANDING SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
10. PREFERRED LOCATION TO INSTALL DETECTABLE WARNING STRIP SHALL BE 6" FROM THE EDGE OF ROAD ALONG THE FULL WIDTH OF THE RAMP.
11. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID IN THE DIRECTION OF RUNNING SLOPE (PERPENDICULAR TO CURB OR SLOPE BREAK). THE TRANSITION FROM RAMP TO GUTTER SHALL BE FLUSH WITHOUT A LIP.
12. WHERE COMMERCIAL DRIVEWAYS ARE PROVIDED WITH TRAFFIC SIGNALS AND THE SIDEWALK IS CONTINUOUS THROUGH DRIVEWAY, DETECTABLE WARNINGS ARE REQUIRED AT THE JUNCTION BETWEEN THE PEDESTRIAN ROUTE AND DRIVEWAY.
13. CONSTRUCT A SIDEWALK CURB WHEN THERE IS INSUFFICIENT BUFFER AVAILABLE TO GRADE OR WHEN CALLED FOR IN PLANS. PAID FOR WITH SIDEWALK RAMP WHEN REQUIRED FOR RAMP.
14. THE TOP AND BOTTOM OF RAMPS SHOULD BE PROVIDED WITH A 4' x 4'MINIMUM LEVEL LANDING AREA WITH A CROSS SLOPE LESS THAN OR EQUAL TO 2% IN ANY DIRECTION.
15. UTILITY POLES, LUMINAIRE, PEDESTRIAN OR SIGNAL POLES, GRATES, ACCESS COVERS, AND OTHER APPURTENANCES SHALL NOT BE LOCATED ON RAMPS, LANDINGS, BLENDED TRANSITIONS, AND @ GUTTERS WITHIN THE PEDESTRIAN ACCESS ROUTE.
16. APPROACH SIDEWALK WIDTHS, GRASS STRIP OR UTILITY STRIP WIDTHS MAY VARY.
17. APPROACH SIDEWALK AND LANDING CROSS SLOPE SHOULD NOT EXCEED 2%
18. THE RUNNING OR CROSS SLOPES ON LANDINGS AT MID BLOCK CROSSING MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
19. FOR PERPENDICULAR CURB RAMPS A MIN. 4' x 4' LEVEL LANDING SHALL BE PROVIDED AT THE TOP OF CURB RAMP. WHERE THE LEVEL LANDING IS RESTRICTED AT THE BACK OF SIDEWALK THE LEVEL LANDING SHALL BE 4' x 5' WITH THE 5' DIMENSION PROVIDED IN THE DIRECTION OF THE RAMP RUN.
20. FOR PARALLEL CURB RAMPS, A MIN. 4' x 4' LEVEL LANDING SHALL BE PROVIDED AT THE BOTTOM OF CURB RAMP. IF THE LEVEL LANDING IS RESTRICTED ON 2 OR MORE SIDES, THE LEVEL LANDING SHALL BE 4' x 5' WITH THE 5' DIMENSION PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
21. WHEN WIDTH OF SIDEWALK IS >48" AND A PERPENDICULAR SIDEWALK RAMP IS INSTALLED, THE FLARED SIDES SHALL BE 10% MAX. IF WIDTH OF SIDEWALK IS <48" THE FLARED SIDES MUST NOT EXCEED 8.33% (12:1).
22. SHADED AREAS ARE TYPICAL PAY LIMITS FOR CONCRETE SIDEWALK RAMP BUT, MAY VARY AS DIRECTED BY THE ENGINEER.
23. OPTIONAL RAMP, WHEN REQUIRED, SHALL BE PAID FOR AS PART OF CONCRETE SIDEWALK RAMP.
24. ALL PAVERS ARE TO BE PERPENDICULAR TO THE CURB. ONLY WHOLE RED BRICK PAVERS ARE TO BE USED.



PARALLEL SIDEWALK RAMP (TYPE 1) NO GRASS SNOW SHELF

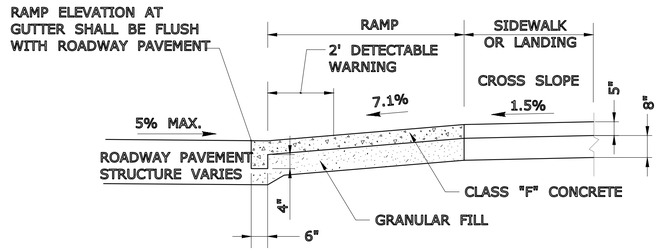
TYPE 1

RAMPED MEDIANS SHALL HAVE A CURB RAMP AT EITHER END AND LEVEL LANDING A MINIMUM OF 5' x 5' IN BETWEEN. CUT-THROUGH MEDIANS SHALL BE A MINIMUM OF 6' LONG AND 5' WIDE. FOR ALL MEDIANS, CUT-THROUGH OR RAMPED, A 2' STRIP OF DETECTABLE WARNINGS SHALL BE INSTALLED AT THE ENTRANCE AND EXIT.



DOME SPACING DOME SECTION

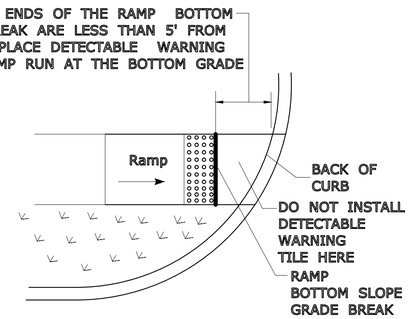
STANDARD DOME ON DETECTABLE WARNING TILES



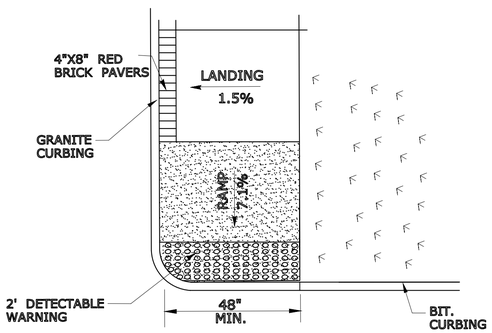
TYPICAL SECTION THRU SIDEWALK RAMP

SEE NOTE 2 AND 17

NOTE : IF BOTH ENDS OF THE RAMP BOTTOM SLOPE GRADE BREAK ARE LESS THAN 5' FROM BACK OF CURB, PLACE DETECTABLE WARNING TILE ON THE RAMP RUN AT THE BOTTOM GRADE BREAK

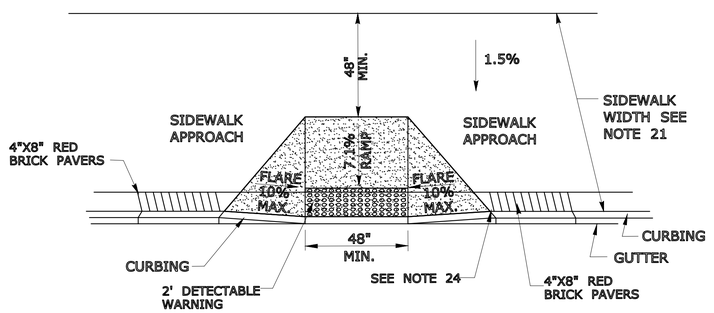


DETECTABLE WARNING PLACEMENT



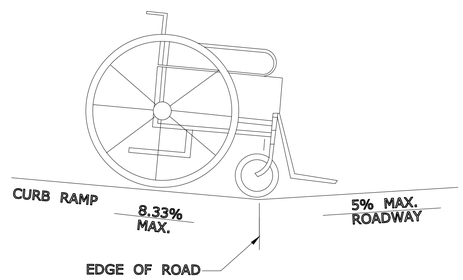
SINGLE DIRECTION PERPENDICULAR SIDEWALK RAMP NO GRASS SNOW PLOT

TYPE 4a



PERPENDICULAR SIDEWALK RAMP W/ 48" MIN. BY PASS LANDING

TYPE 2



DETAIL 1

SEE GRADE CHANGE AT ROADWAY INTERFACE

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **MISCELLANEOUS DETAILS**

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:----

PROJECT LEADER: SM

DESIGNED BY: AG

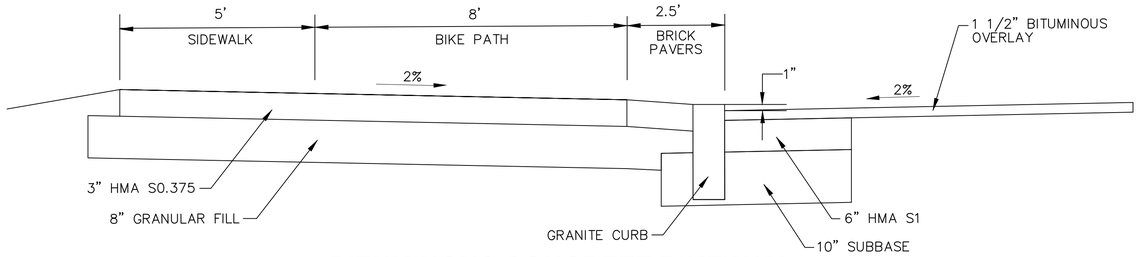
PLOT DATE: 4/20/2016

DRAWN BY: AG

CHECKED BY: PG

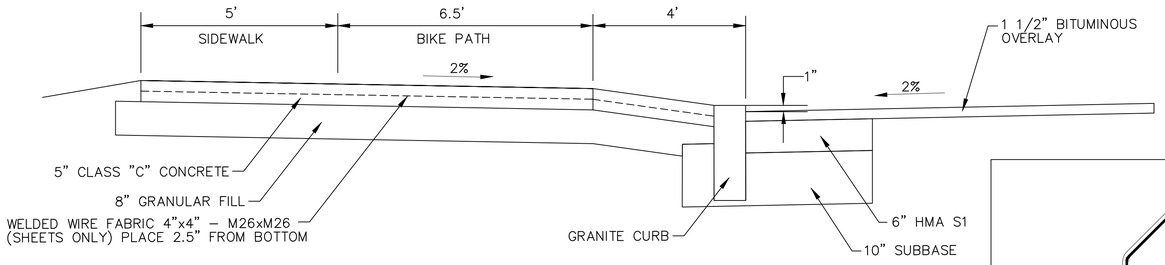
DRAWING NO.: **MDS-02**

SHEET NO.: 8

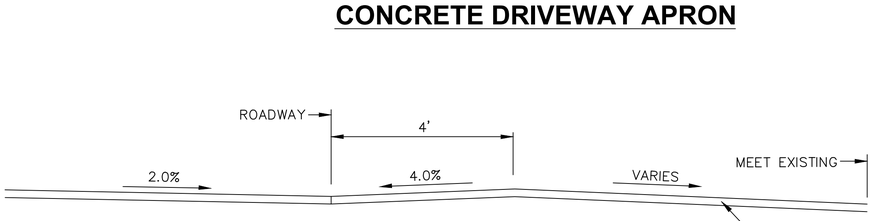


BITUMINOUS CONCRETE BIKEWAY

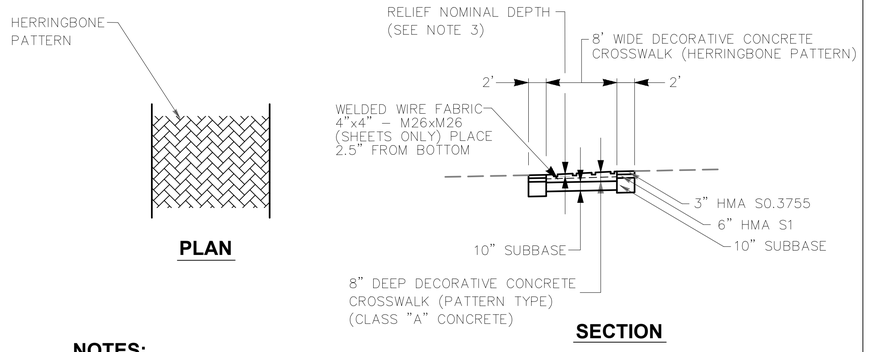
STA. 100+00 TO STA. 103+25



CONCRETE DRIVEWAY APRON



BITUMINOUS CONCRETE DRIVEWAY (NO SIDEWALK)



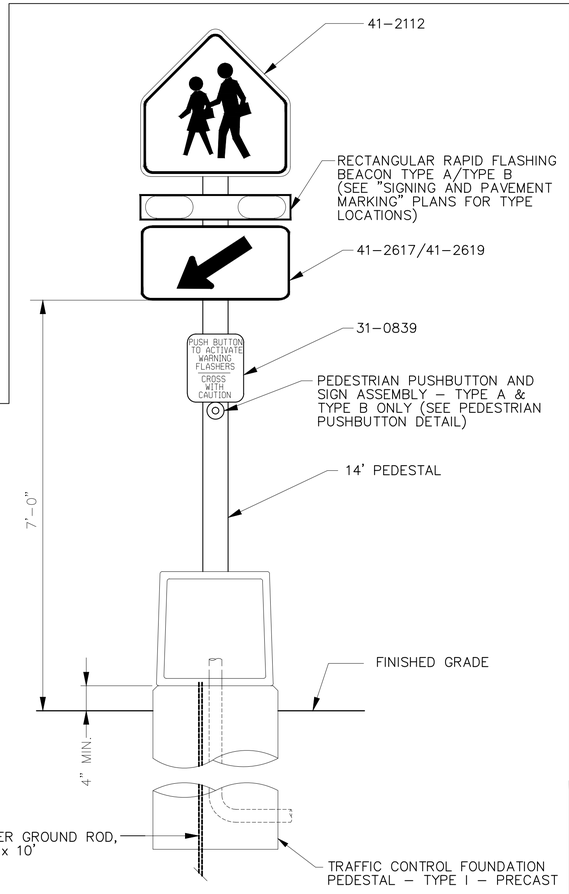
NOTES:

1. DECORATIVE CONCRETE CROSSWALK (HERRINGBONE PATTERN) SHALL BE 8" DEEP.

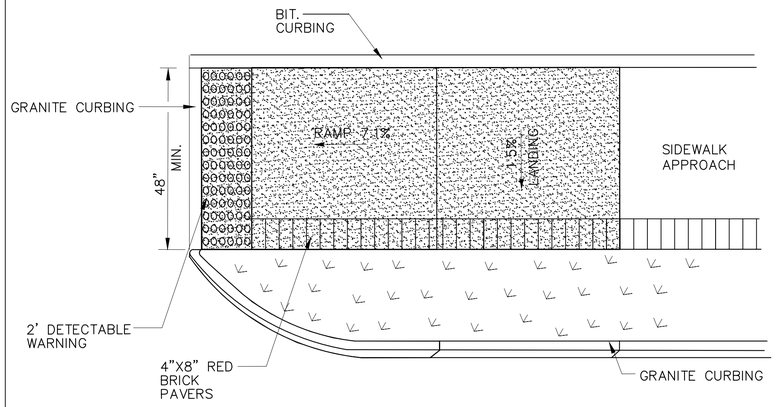
2. PROCESSED AGGREGATE BASE SUPPORTING DECORATIVE CONCRETE CROSSWALK (HERRINGBONE PATTERN) SHALL BE INCLUDED IN THE UNIT PRICE FOR DECORATIVE CONCRETE CROSSWALK (HERRINGBONE PATTERN).

3. DEPTH OF RELIEF AS APPROVED BY THE ENGINEER.

DECORATIVE CONCRETE CROSSWALK (HERRINGBONE PATTERN)

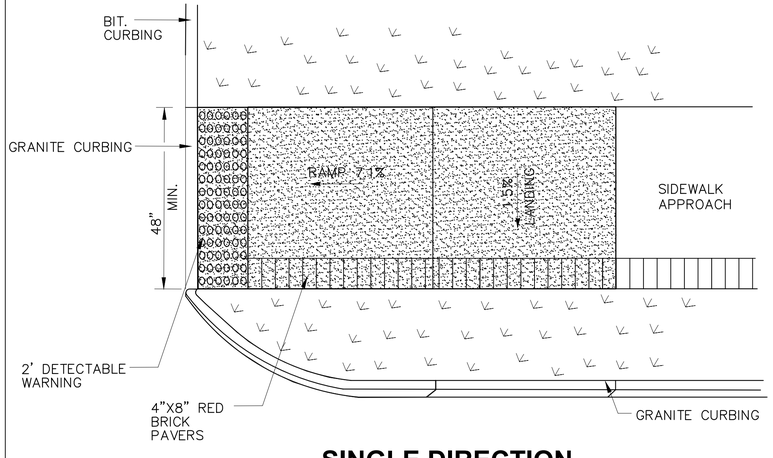


RECTANGULAR RAPID FLASHING BEACON (RRFB) TYPE A/TYPE B



SINGLE DIRECTION PERPENDICULAR SIDEWALK RAMP WITH SNOW SHELF, NO GRASS ON BACKSIDE

TYPE 4a



SINGLE DIRECTION PERPENDICULAR SIDEWALK RAMP WITH GRASS ON BOTH SIDES

REFER TO DETECTABLE WARNING PLACEMENT ON SHEET 2
TYPE 4e

TOWN OF BROOKFIELD, CT

AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **MISCELLANEOUS DETAILS**

FILE NAME:----

PROJECT LEADER: SM

DESIGNED BY: AG

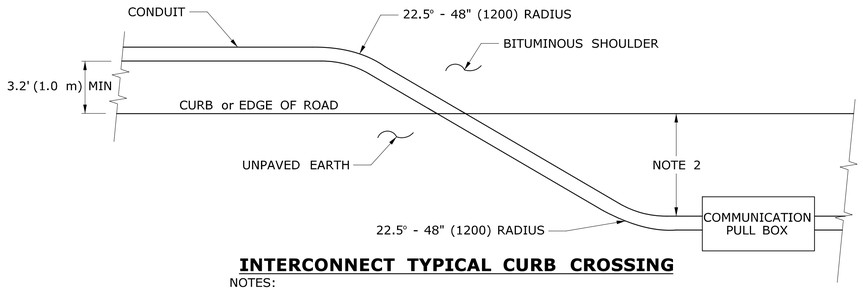
PLOT DATE: 4/20/2016

DRAWN BY: AG

CHECKED BY: PG

DRAWING NO.: **MDS-03**

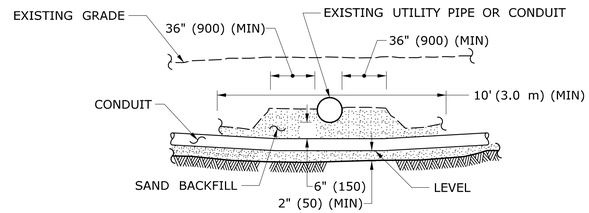
SHEET NO.: 9



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

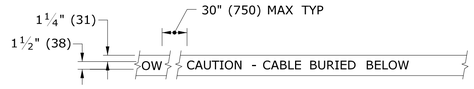
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
2. INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



CROSSING UNDER EXISTING UTILITY

NOTES:

1. WHEN ENCOUNTERED AT APPROXIMATELY THE SAME DEPTH, CROSS BENEATH.
2. PROTECT & SUPPORT EXPOSED EXISTING UTILITY.
3. USE SAND OR OTHER MATERIAL FOR BACKFILL AS REQUIRED BY UTILITY COMPANY.

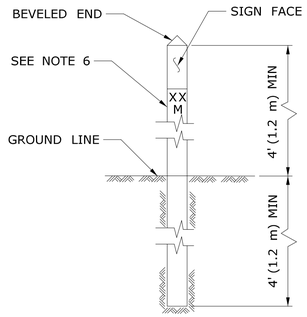


DETECTABLE WARNING TAPE

NOTE:

STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

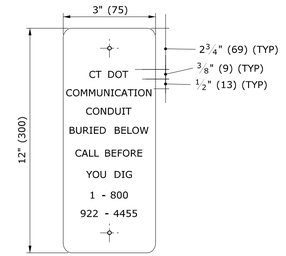
1. TAPE COLORS:
   COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
   POWER - RED BACKGROUND / BLACK LEGEND



INTERCONNECT CONDUIT IDENTIFICATION POST

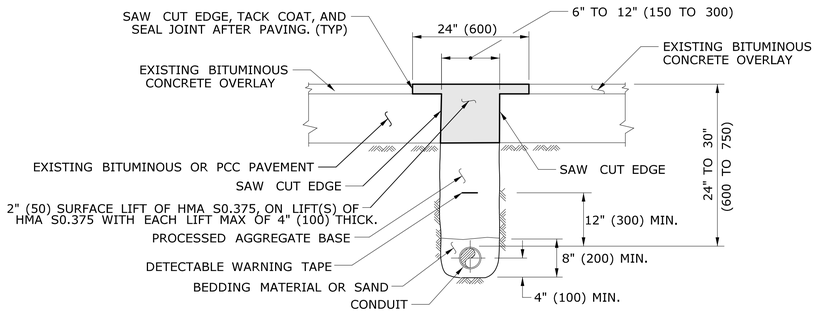
NOTES:

1. 4" x 4" (100 x 100) NOMINAL, PRESSURE TREATED WOOD POST.
2. ATTACH SIGN TO POST WITH ¼" x 1¼" (6 x 31) STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE) LEGEND - BLACK (OPAQUE).
4. INSTALL POST APPROX 24" (600) FROM RMC IN VICINITY OF EACH PULL BOX.
5. INSTALL POSTS BETWEEN PULL BOXES, APPROX 10' (3.0 m) OFF CURB. SPACE POSTS 1500'± (460 m±) APART.
6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE TO TRENCH IN FEET (METERS) CONTAINING COMMUNICATION CABLE. ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT. INCLUDE "M" SUFFIX IF METERS.



SIGN FACE DETAIL

SIGN # 41-4669

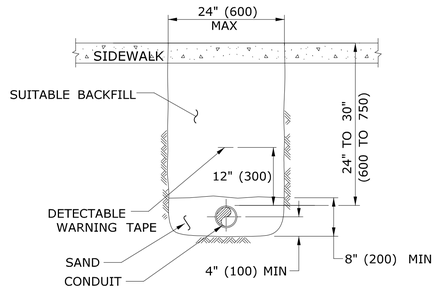


PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 3.04 & 4.06.03

1. TOTAL HOT MIX ASPHALT (HMA) THICKNESS TO MATCH EXISTING BITUMINOUS CONCRETE AND PORTLAND CEMENT CONCRETE (PCC) THICKNESS.
2. WHEN ALLOWED BY ENGINEER, USE CONTROLLED LOW STRENGTH MATERIAL (CLSM) AS BEDDING MATERIAL. TOP OF CLSM AT LEAST 20" (500) BELOW SURFACE.

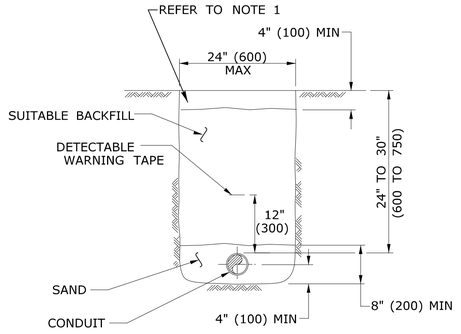


SIDEWALK

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.21 & 9.22

1. WHERE CONCRETE SIDEWALK DAMAGED OR CUT, REPLACE THE ENTIRE SECTION BETWEEN JOINTS. REPLACEMENT SIDEWALK IS PAID FOR AT THE CONTRACT UNIT PRICE FOR "CONCRETE SIDEWALK".



EARTH

NOTES:

STANDARD SPECIFICATIONS, ARTICLE: 9.50

1. IN MOWED AREAS: PLACE TOPSOIL, FERTILIZER, SEED, & MULCH.

GENERAL NOTES:

1. TOP OF CONDUIT NO LESS THAN 24" (600) DEEP.
2. COMPACT BACKFILL IN ≤6" (150) LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

-·-·- RMC (RIGID METAL CONDUIT)

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: TRENCHING & BACKFILLING ELECTRICAL CONDUIT

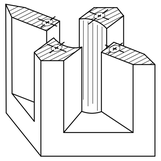
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

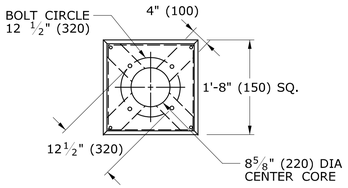
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

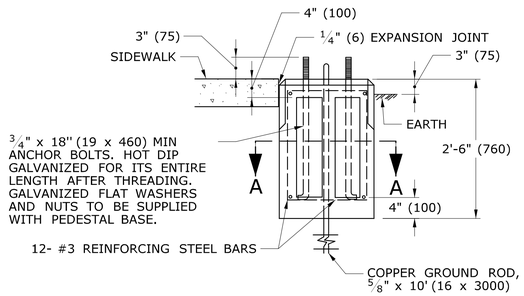
DRAWING NO.: MDS-04

SHEET NO.: 10



PICTORIAL
SECTION A-A

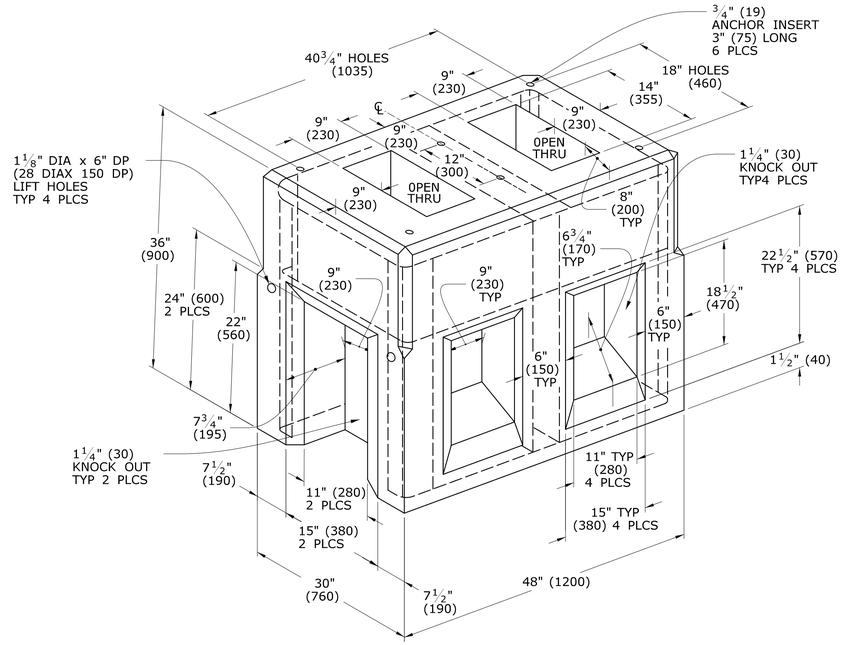




TRAFFIC CONTROL FOUNDATION
PEDESTAL - TYPE I - PRECAST

NOTES:

PLACE NO. 6 CRUSHED STONE IN CENTER OPENING AFTER CONDUITS AND GROUND ROD HAVE BEEN INSTALLED.

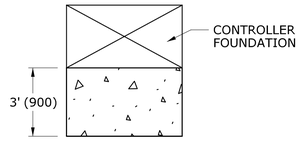


TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - PRECAST

NOTES:

INSTALL FOUNDATION ON 6" (150) OF COMPACTED GRAVEL IN ACCORDANCE WITH SECTION 2.14.
LEVEL FOUNDATION WITH A PROJECTION OF 4" (100) ABOVE FINISHED GRADE.
INSTALL COPPER GROUND ROD: 5/8" x 10 (16 x 3000).
PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED. THE OPENINGS SHALL BE CAPPED WITH A 2" (50) GROUT LEVEL WITH THE TOP OF THE FOUNDATION AND NEATLY FINISHED. THE GROUT SHALL CONFORM WITH THE REQUIREMENTS OF ARTICLE M.3.01-12.
CONCRETE: CLASS "A" CONFORMING TO ARTICLE M.03.01.
#4 REBAR 2" (50) MIN COVER AROUND ALL OPENINGS, 3-#4 REBARS IN EACH CORNER.
CONDUITS SHALL NOT PROJECT MORE THAN 2" (50) ABOVE FOUNDATION.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE

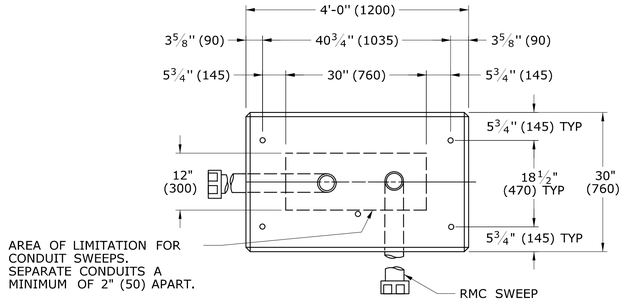


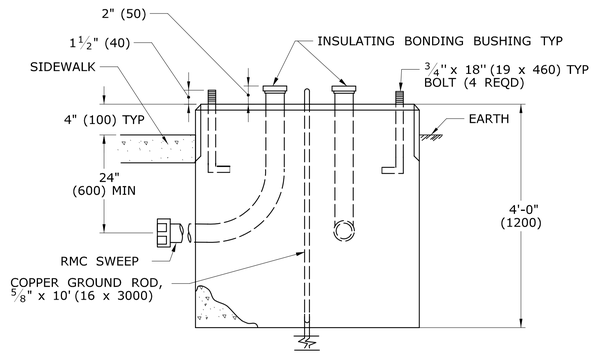
INSTALL PRECAST OR CAST IN PLACE CONCRETE SIDEWALK ON CABINET DOOR SIDE OF CONTROLLER FOUNDATION.

PITCH SIDEWALK 1/4" PER FOOT (20 PER METER) AWAY FROM THE CONTROLLER FOUNDATION.

REFER TO HIGHWAY STANDARD SHEET HW-921_01 FOR SIDEWALK CONSTRUCTION.

TYPICAL CONCRETE SIDEWALK
AT CONTROLLER FOUNDATION





TRAFFIC CONTROL FOUNDATION
CONTROLLER - TYPE IV - CAST IN PLACE

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: TRAFFIC CONTROL FOUNDATIONS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:

PLOT DATE:4/20/2016

PROJECT LEADER: SM

DESIGNED BY: AG

DRAWN BY: AG

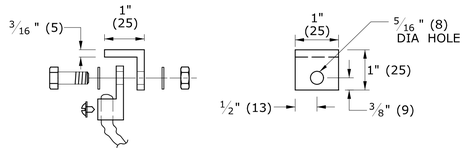
CHECKED BY: PG

DRAWING NO.: MDS-05

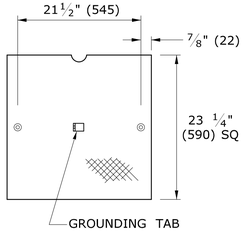
SHEET NO.: 11

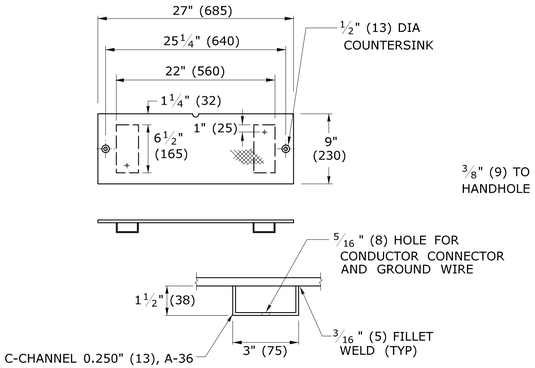
COVER NOTES:

1. GROUNDING TAB WELDED TO BOTTOM CENTER OF COVER WITH 3/16" (5) WELD (3 SIDES).
2. ATTACH 6' (2 m) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH CONDUCTOR CONNECTOR, 1/4" - 20 X 3/4" (M6 X 20) LG SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.
3. CONDUCTOR CONNECTOR: COPPER ALLOY BODY, BRASS SCREW, BRASS OR COPPER ALLOY PRESSURE PLATE.
4. COVER SCREW INSERT: 3/8"-16 (9-16), 1 1/2"L (37L), STAINLESS STEEL.
5. COVER SCREW: 3/8"-16 (9-16), 1"L (25L), FLAT HEAD, SLOTTED, STAINLESS STEEL.

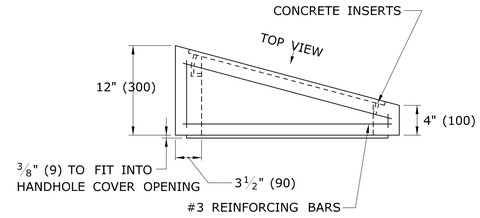


STEEL GROUNDING TAB w/ CONDUCTOR CONNECTOR

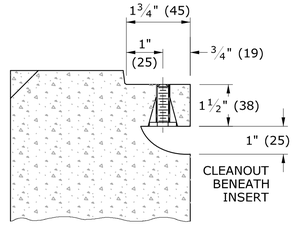




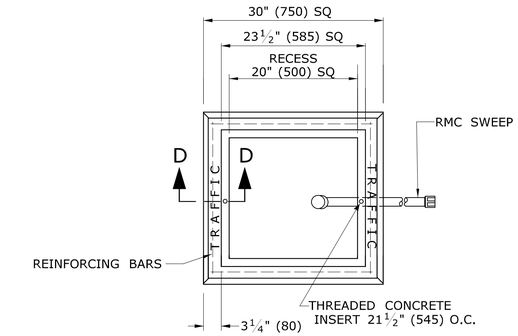
NON SKID FLOOR PLATE GALVANIZED STEEL, 3/8" (10)



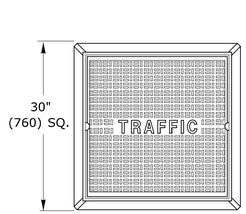
BANK ADAPTER

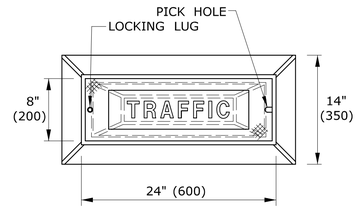


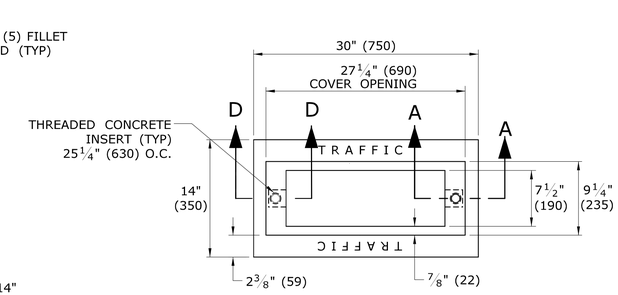
SECTION D-D



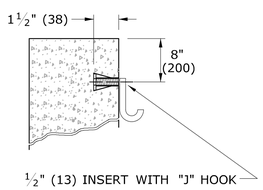
PLAN VIEW





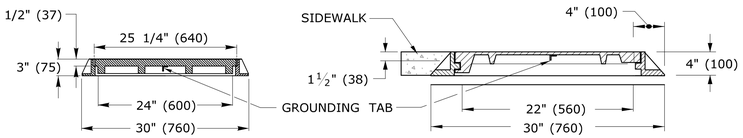


PLAN VIEW

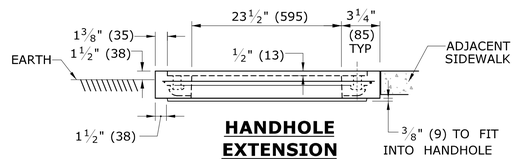


INSERT DETAIL

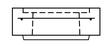
TYP IN TWO PLACES FOR ALL HANDHOLES

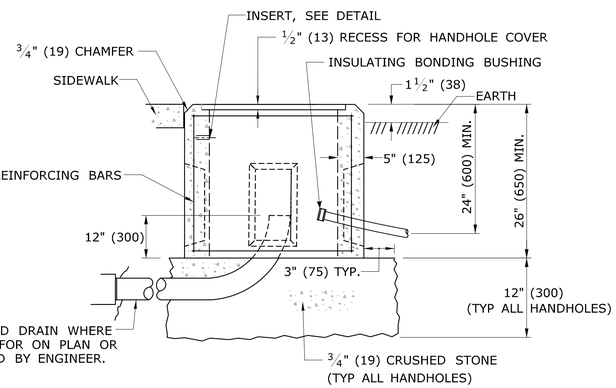


CAST IRON HANDHOLE COVERS

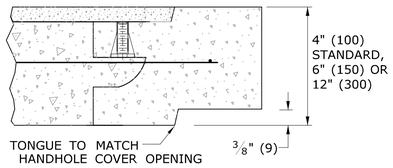


HANDHOLE EXTENSION



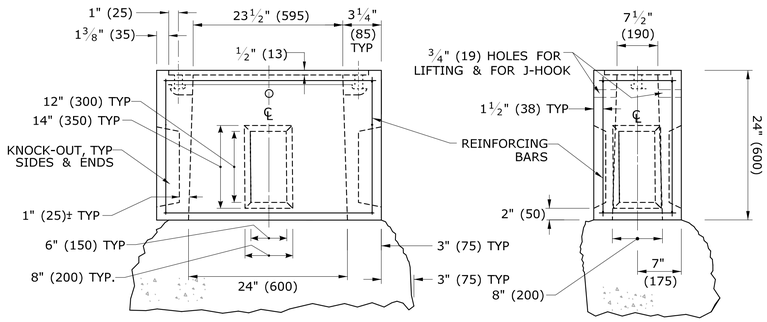


CONCRETE HANDHOLE TYPE I



SECTION A-A
HANDHOLE EXTENSIONS

4 - #8 REINFORCING BARS REQ'D



BASE SECTION
CONCRETE HANDHOLE TYPE II

HANDHOLE NOTES:

1. MINIMUM CLASS "C" CONCRETE.
2. COMPLETE TYPE II HANDHOLE:
   IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) HANDHOLE EXTENSION,
   IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) CAST IRON COVER.
3. PLAN VIEW DIMENSIONS, SECTION VIEW, & DETAILS, SAME FOR BASE SECTION, EXTENSIONS & BANK ADAPTER.
4. GROUT AROUND ALL CONDUITS.
5. INSTALL 30" (750) SIDE PARALLEL TO ROAD UNLESS OTHERWISE NOTED.
6. INSTALL HANDHOLES APPROX. 12" (300) BEHIND CURB OR IF NO CURB, 24" (600) BEHIND EDGE OF ROAD UNLESS OTHERWISE SPECIFIED.
7. CAST THE WORD "TRAFFIC" INTO TOP EDGE OF HANDHOLE, 1 1/2" (38) LETTERS.
8. WHERE AN EXISTING CONCRETE SIDEWALK SLAB ABUTTING A HANDHOLE IS DAMAGED OR CUT DURING INSTALLATION, REPLACE THE ENTIRE SIDEWALK SECTION.
9. 12-#3 REINFORCING BARS REQUIRED FOR ALL HANDHOLES. (8 HORIZONTAL, 4 VERTICAL)

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: HANDHOLE DETAIL

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-06

SHEET NO.: 12

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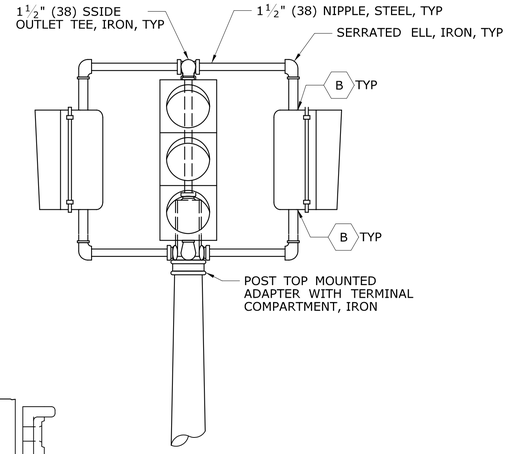
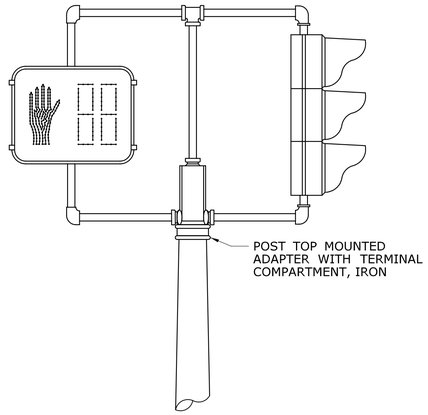
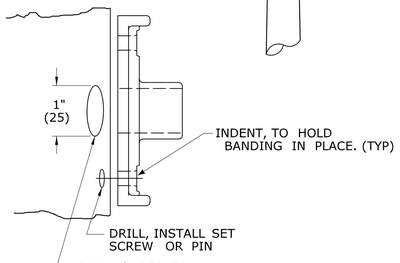
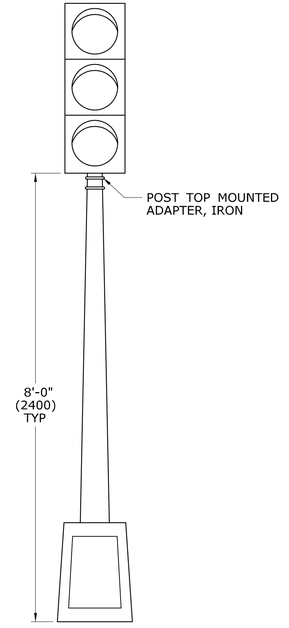
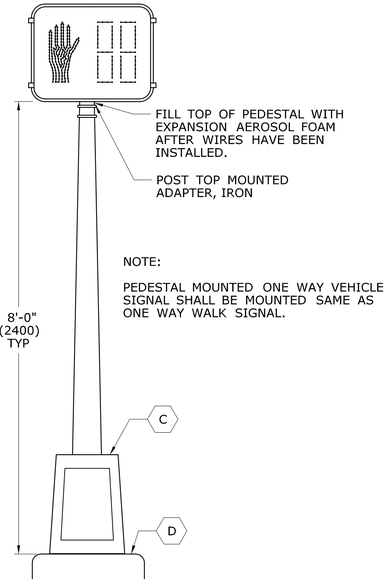








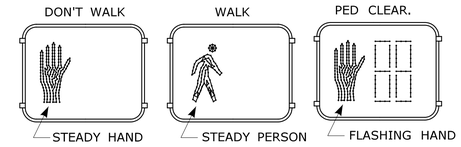
ONE WAY TRAFFIC SIGNAL PEDESTAL MOUNTED



NOTE:

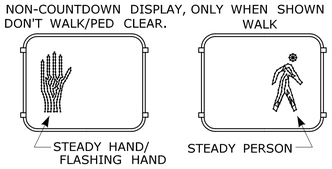
PEDESTAL MOUNTED ONE WAY VEHICLE SIGNAL SHALL BE MOUNTED SAME AS ONE WAY WALK SIGNAL.

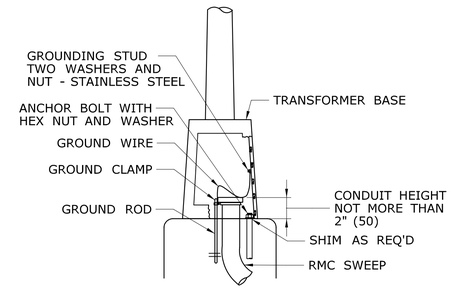
ONE WAY WALK SIGNAL PEDESTAL MOUNTED



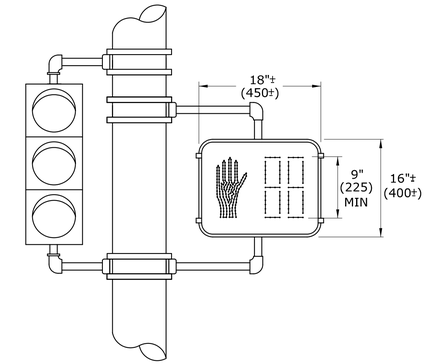
TYPICAL INDICATION WHEN LIT

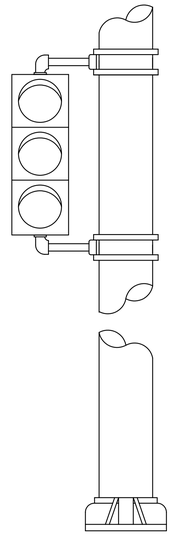
NON-COUNTDOWN DISPLAY, ONLY WHEN SHOWN ON PLAN.



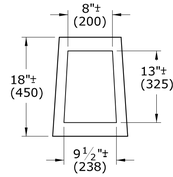


ALUMINUM PEDESTAL INSTALLATION DETAIL

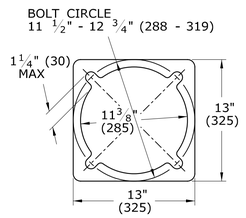




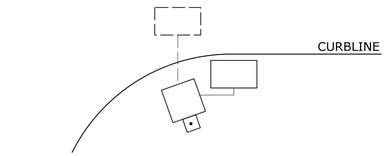
ONE WAY TRAFFIC SIGNAL POLE MOUNTED



ALUMINUM PEDESTAL DOOR OPENING DETAIL



PEDESTAL BASE PLAN



WHEN PEDESTALS OR SPAN POLES ARE INSTALLED CLOSE TO THE CURB, SIDE MOUNT PEDESTRIAN OR TRAFFIC SIGNALS TO AVOID VISOR DAMAGE FROM TURNING VEHICLES.

NOTES:

A. SECURE LOWER HUB PLATE WITH STAINLESS STEEL SET SCREW OR PIN PRIOR TO BANDING TO PREVENT MOVEMENT. INSTALL CABLE THROUGH BOTTOM OF HUB PLATE.

B. REFER TO CTDOT TRAFFIC STANDARD SHEET, TR-1105_01, TRAFFIC SIGNALS & CABLE ASSIGNMENTS.

C. IF THREADED, MIN 1" (25) THREADED INTO BASE, SECURED WITH STAINLESS STEEL SET SCREWS.

D. BASE DESIGNED AS BREAK-AWAY.

INCANDESCENT WALK SIGNAL LAMPS ARE 67 WATTS, RATED AT 8000 HOURS LAMP LIFE. LED WALK SIGNAL LAMPS ARE MAXIMUM 15 WATTS, WARRANTEED AT 5 YEAR LIFE.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- STEEL SPAN POLE, MAST ARM ASSEMBLY SHAFT
- ALUMINM PEDESTAL
- TRAFFIC SIGNAL
- PEDESTRIAN SIGNAL
- PEDESTAL MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS
- POLE MOUNTED, TRAFFIC & PEDESTRIAN SIGNALS

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: PEDESTRIANS, PEDESTRIAN SIGNALS

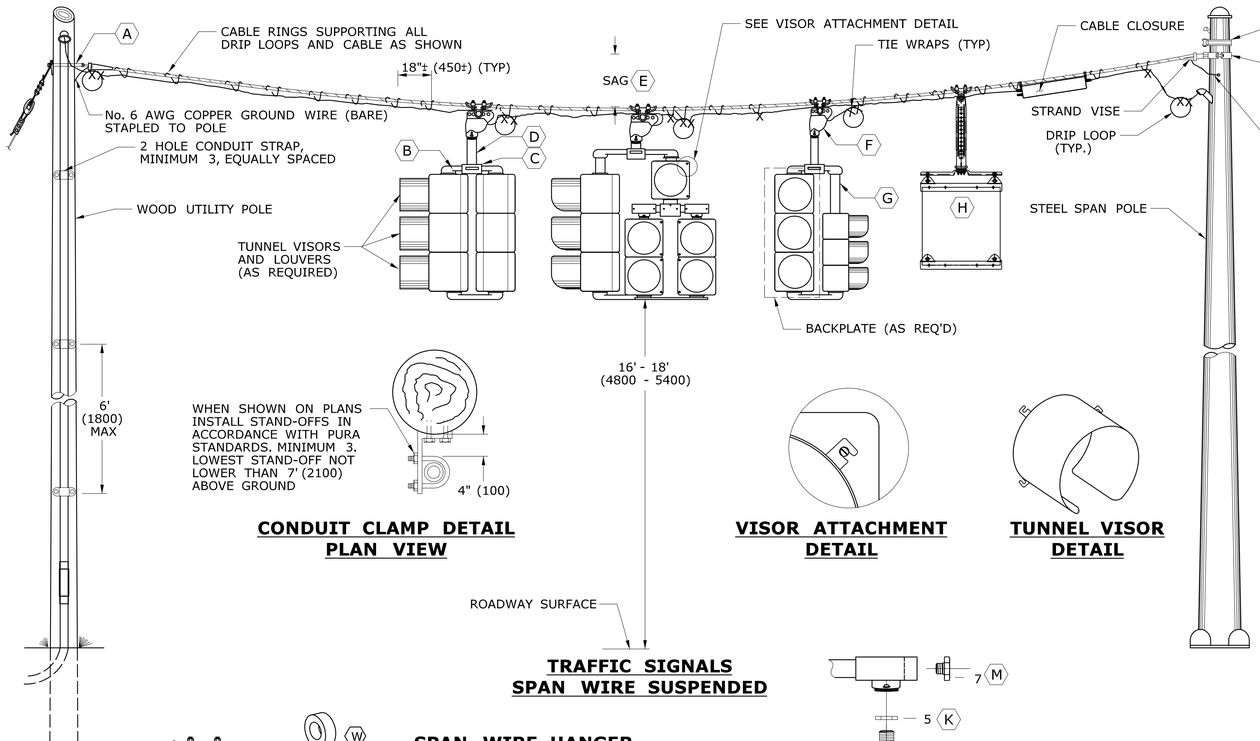
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-07

SHEET NO.: 13

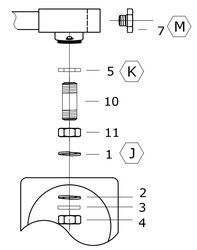


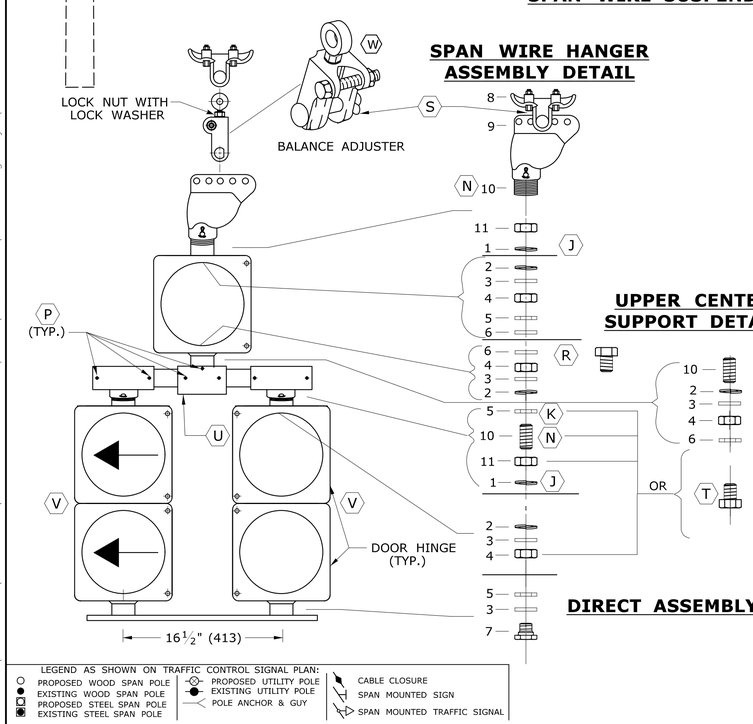
CONDUIT CLAMP DETAIL PLAN VIEW

VISOR ATTACHMENT DETAIL

TUNNEL VISOR DETAIL

TRAFFIC SIGNALS SPAN WIRE SUSPENDED



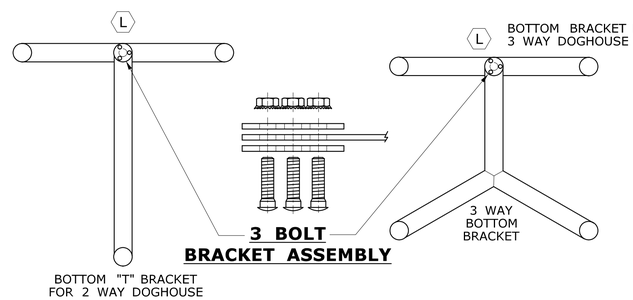


SPAN WIRE HANGER ASSEMBLY DETAIL

TWO WAY, THREE WAY & FOUR WAY NIPPLE DOWN ASSEMBLY DETAIL

UPPER CENTER SUPPORT DETAIL

DIRECT ASSEMBLY DETAIL



3 BOLT BRACKET ASSEMBLY

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- POLE ANCHOR & GUY
- CABLE CLOSURE
- SPAN MOUNTED SIGN
- SPAN MOUNTED TRAFFIC SIGNAL

ITEM DESCRIPTION, FOR ASSEMBLY DETAILS
1 - SERRATED TABBED LOCKRING, ALUMINUM (TAB MUST BE FULL WIDTH OF RING)
2 - GASKET, NEOPRENE
3 - WASHER, STEEL
4 - HEX NUT, STEEL
5 - CONDUIT LOCKNUT, STEEL
6 - BUSHING PLASTIC (ONLY IN JUNCTION BOX OR NIPPLED DOWN TRAFFIC SIGNAL)
7 - OCTAGONAL CAP, ALUMINIUM
8 - SPAN WIRE CLAMP
9 - WIRE OUTLET BODY, IRON, FEMALE ONLY
10 - NIPPLE, STEEL
11 - HEX NUT, STEEL, NOTCHED W/SETSCREWS

NOTES: FOR ASSEMBLY DETAILS
J APPLY SILICONE CAULK BETWEEN OR AROUND SERRATED LOCKRING AND HOUSING.
K OPTIONAL USE IF NIPPLE THREADS TOO FAR INTO ELBOW.
L DRILL HOLE IN CENTER OF 2 WAY BOTTOM BRACKET - INSTALL 3 BOLT BRACKET (SEE DETAIL).
M DO NOT INSERT ORNAMENTAL CAP PAST DOTTED LINE.
N ALL THREAD.
P SETSCREW (SQUARE OR ALLEN) ON ALL FITTINGS.
R CHASE NIPPLE CAN BE SUBSTITUTED FOR THE COMBINATION OF ITEMS 6, 5 AND 10.
S INSTALL STAINLESS STEEL WASHER ON INSIDE OF COTTER PIN. COTTER PIN AND WASHER SHALL BE ON SIDE OF HANGER AWAY FROM SIGNAL CABLES.
T CHASE NIPPLE CAN BE SUBSTITUTED FOR COMBINATION 4, 5, 10 AND 11.
U CENTER HUB SAME AS C EXCEPT TOP OPENING MAY BE THREADED.
V DOOR HINGE ON OUTSIDE OF SIDE BY SIDE ASSEMBLY.
W USE BALANCE ADJUSTER TO PLUMB SIGNAL ASSEMBLIES AS REQUIRED.

TRAFFIC SIGNAL CABLE COLOR ASSIGNMENTS

SIGNAL ASSEMBLY & CABLE USED	SIGNAL FUNCTION	ARTERY 1	ARTERY 2	SIDE STREET 1	SIDE STREET 2
2 - WAY 9 CONDUCTOR	RED	RED		BLACK	
	YELLOW	ORANGE		WHITE \ BLACK	
	GREEN	GREEN		BLUE	
	SPARE	GREEN\BLACK		RED \ BLACK	
	NEUTRAL	WHITE			
3 - WAY 12 CONDUCTOR	RED	RED	RED \ BLACK	BLACK	
	YELLOW	ORANGE	ORANGE \ BLACK	WHITE \ BLACK	
	GREEN	GREEN	GREEN \ BLACK	BLUE	
	SPARE	BLUE\BLACK	BLACK \ WHITE		
	NEUTRAL	WHITE			
4 - WAY 15 CONDUCTOR	RED	RED	RED \ BLACK	BLACK	RED \ WHITE
	YELLOW	ORANGE	ORANGE \ BLACK	WHITE \ BLACK	BLACK \ WHITE
	GREEN	GREEN	GREEN \ BLACK	BLUE	GREEN \ WHITE
	SPARE	BLUE\BLACK		BLUE \ WHITE	
	NEUTRAL	WHITE			

PEDESTRIAN SIGNAL CABLE COLOR ASSIGNMENTS

SIGNAL ASSEMBLY & CABLE USED	SIGNAL FUNCTION	WIRE COLOR
WALK SIGNAL W/ PUSHBUTTON 7 CONDUCTOR	DON'T WALK	RED
	WALK	GREEN
	NEUTRAL FOR WALK SIGNAL	WHITE
	PEDESTRIAN PUSHBUTTON	BLACK
	NEUTRAL FOR PUSHBUTTON	ORANGE
	SPARE CONDUCTOR	WHITE \ BLACK
	SPARE CONDUCTOR *	BLUE \ BLACK
WALK SIGNAL W/ PUSHBUTTON 7 CONDUCTOR	RED	RED
	YELLOW	ORANGE
	GREEN	GREEN
	NEUTRAL FOR TRAFFIC SIGNAL	WHITE
	PEDESTRIAN PUSHBUTTON	BLACK
	NEUTRAL FOR PUSHBUTTON	WHITE \ BLACK
	SPARE CONDUCTOR *	BLUE \ BLACK

* IF 14/7 FEEDS MORE THAN ONE BUTTON, SPLIT THE BUTTONS AND USE BLUE WITH BLACK TRACER FOR THE ADDITIONAL BUTTON.

TABLE NOTES:
1. INSTALL SEPARATE CABLE BETWEEN CLOSURE AND EACH TRAFFIC SIGNAL ASSEMBLY. WIRE EACH TRAFFIC SIGNAL SECTION SEPARATELY BACK TO CABLE CLOSURE. JUMPERS BETWEEN TERMINALS ARE NOT ALLOWED EXCEPT ON NEUTRAL CONDUCTORS.
2. WIRE ALL SIGNALS, SAME DIRECTION FROM CONTROLLER, SEPARATELY WITH CONDUCTORS IN 21 CONDUCTOR CABLE, EVEN IF INDICATIONS ARE IDENTICAL.
3. CABLES THAT FEED PEDESTRIAN INDICATIONS, PUSH BUTTONS, AND DETECTORS BYPASS CABLE CLOSURE.
4. REFER TO STANDARD SHEET TR-1113_01 FOR CABLE CLOSURE - TYPE A.

NOTES:
SERVICE CONDUCTORS: THW, THWN OR XHHW. INDIVIDUAL WIRES MAY BE USED IN LIEU OF MULTI-CONDUCTOR CABLE.
ALL WORK ON UTILITY POLES MUST COMPLY WITH CURRENT PURA REGULATIONS AND NESC RULES.
A ATTACH SPAN AT LEAST 12" (300) BELOW LOWEST POWER COMPANY ATTACHMENT, AND AT LEAST 40" (1000) ABOVE HIGHEST COMMUNICATIONS ATTACHMENT, UNLESS OTHERWISE DIRECTED ON PLANS.
B ELBOW OR "T" FITTING MUST HAVE NOTCH FOR SERRATED TABBED LOCKRING.
C TOP BRACKET CENTER HUB SHALL BE MIN 4" (100) ROUND AND 3" (75) DEEP OR EQUAL VOLUME. SERRATION CAST IN HUB OR TABBED OR SERRATED LOCKRING, TOP OPENING NOT THREADED.
D NIPPLE LENGTH DEPENDS ON SPAN HEIGHT.
E SAG OF SPAN TO BE 5%± LENGTH, UNLESS OTHERWISE ALLOWED BY ENGINEER.
F FACE ALL ENTRANCE FITTINGS TOWARD CABLE CLOSURE UNLESS SIGNAL ASSEMBLY IS UNBALANCED AND A BALANCE ADJUSTER IS USED.
G INSTALL EXTENSION NIPPLE ON TOP OF SIGNAL HOUSING SO BOTTOM OF ALL SIGNALS ARE EVEN.
H REFER TO TYPICAL "SIGN FACE SHEET ALUMINUM, R-SERIES SIGNS", AND TO TR-1208_03 FOR SIGN HANGER ASSEMBLY. MAXIMUM SIGN SIZE 24" X 24" (600 X 600). ALL STAINLESS STEEL HARDWARE.
I SECURE LOUVERS TO TUNNEL VISORS WITH 3 STAINLESS STEEL SCREWS.

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: TRAFFIC SIGNALS AND CABLE ASSIGNMENTS

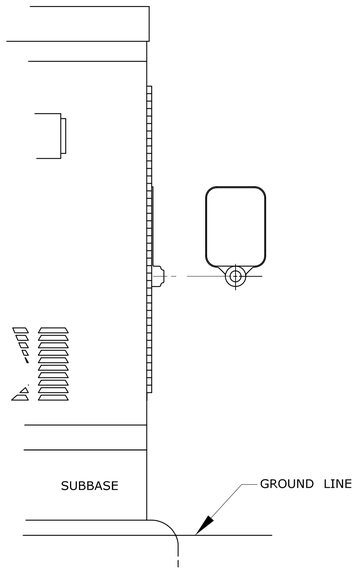
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

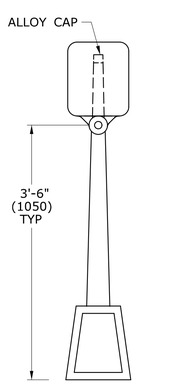
PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-08

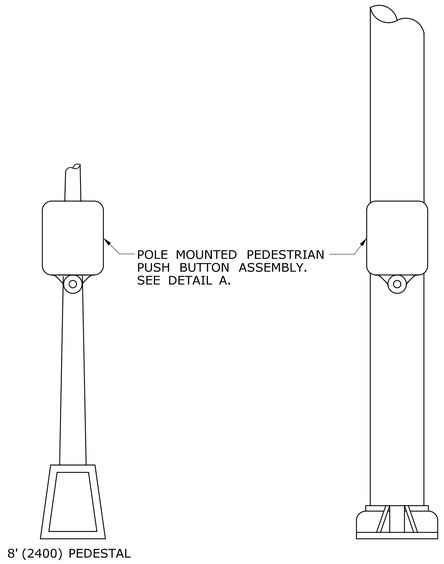
SHEET NO.: 14



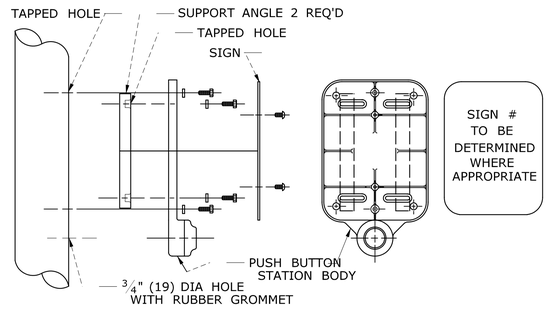
SURFACE MOUNTED



PEDESTAL MOUNTED



SPAN POLE/MAST ARM MOUNTED



DETAIL A

SIGN # 31-0833

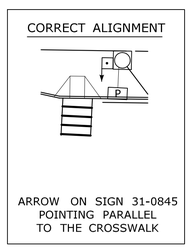
* USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

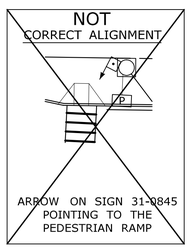
SIGN # 31-0835

FOR CROSSING WITH SIDE STREET GREEN

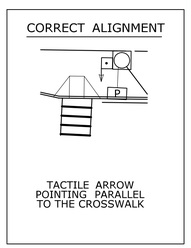
GENERAL NOTES:

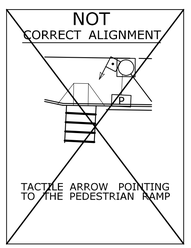
3'-6" (1050) FROM FINISHED GRADE SUCH AS SIDEWALK TO CENTER OF PUSH BUTTON.
PUSH BUTTON INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, CURRENT EDITION GOVERNS.
4'-4" (1300) PEDESTAL TO INCLUDE ALLOY CAP SECURED WITH STAINLESS STEEL SET SCREW.



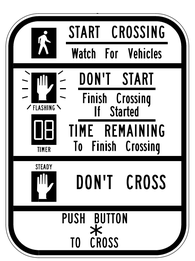


PEDESTRIAN PUSH BUTTON ALIGNMENT





ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR



SIGN # 31-0845

* USE APPROPRIATE ARROW UNLESS OTHERWISE NOTED ON PLAN.

EXAMPLE ALIGNMENTS FOR EXCLUSIVE PEDESTRIAN PHASE

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN PUSH BUTTON, PEDESTAL MOUNTED
- PEDESTRIAN PUSH BUTTON, POLE MOUNTED

TOWN OF BROOKFIELD, CT

URS CORPORATION
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ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: PEDESTRIAN PUSH BUTTON

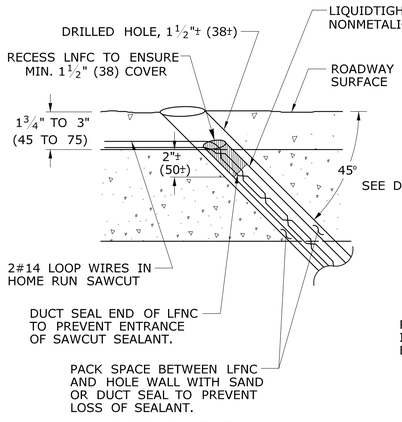
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

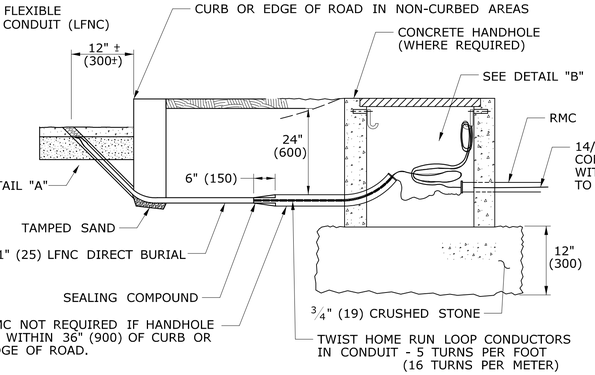
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-09

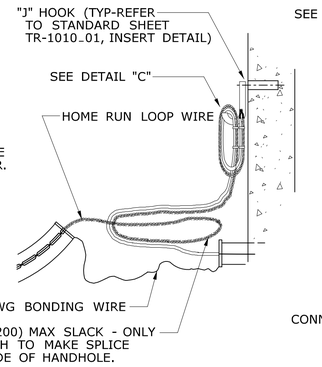
SHEET NO.: 15



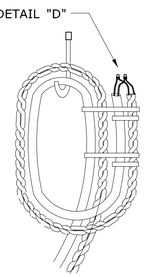
DETAIL "A"



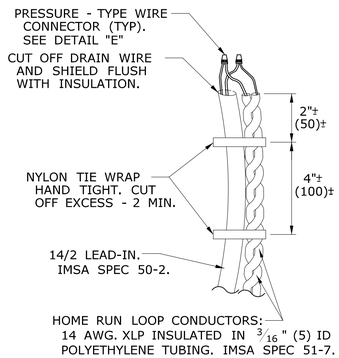
TYPICAL ELEVATION VIEW
LOOP DETECTOR LEAD-IN



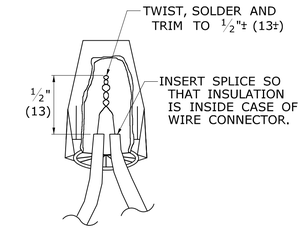
DETAIL "B"



DETAIL "C"
FRONT VIEW



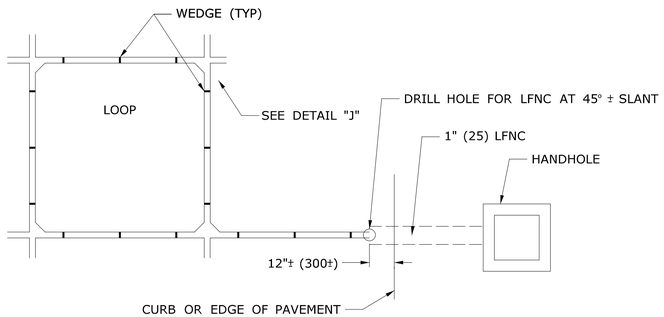
DETAIL "D"



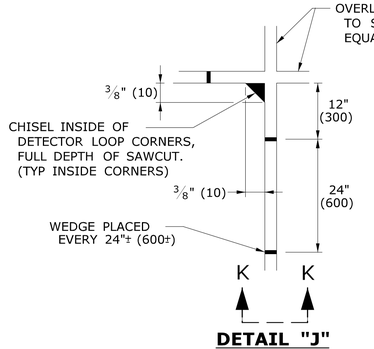
NOTE:

WATER RESISTANT CONNECTOR DESIGNED FOR WET, DAMP AND CORROSIVE APPLICATIONS. ONE TIME USE ONLY. DISCARD ALL REMOVED CONNECTORS.

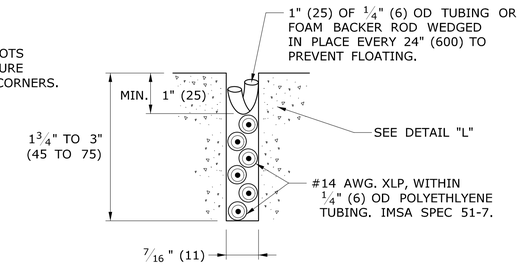
DETAIL "E"



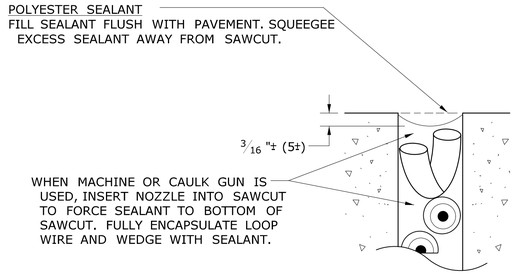
TYPICAL PLAN VIEW
LOOP DETECTOR SAWCUT AND LEAD-IN



DETAIL "J"

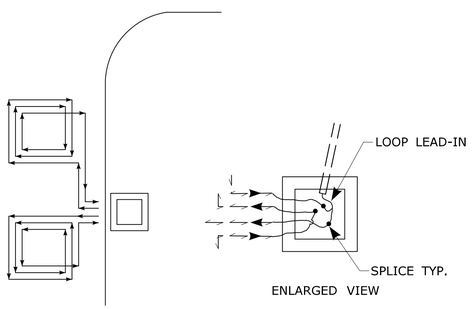


DETAIL "K"



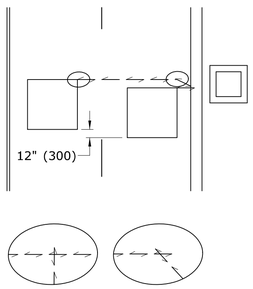
DETAIL "L"

NOTES:
REFER TO STANDARD SPECIFICATIONS, SECTION 11-11.
ONLY USE POLYESTER COMPOUND AS SEALANT, UNLESS OTHER TYPE IS APPROVED BY ENGINEER.
WET SAW CUT ONLY, DRY SAW CUT NOT PERMITTED.
RECOMMENDED SAW BLADE: 14" x ⅜" (350 x 10) PRODUCES 7/16" (11) SLOT.
SAW CUT LOOP & HOME RUN DEPTH TO ENSURE MIN. 1" (25) SEALANT COVERAGE.



TYPICAL WINDING
SEGMENTED LOOPS, 3 TURNS EACH

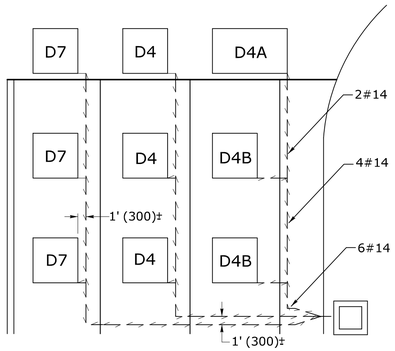
TO CREATE A UNIFORM MAGNETIC FIELD, WIND ADJACENT LOOPS IN OPPOSITE DIRECTIONS.



ACCEPTABLE SAW CUT

NOT ACCEPTABLE SAW CUT

DO NOT OVERLAP MORE THAN TWO SAWCUTS.

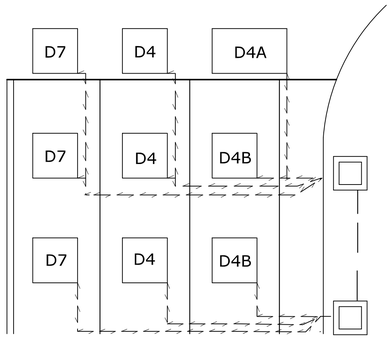


EXAMPLE A

SEE TRAFFIC SIGNAL PLAN FOR ACTUAL LOOP PLACEMENT, NUMBERS, ETC...

LOOP SEGMENTS ON SAME AMPLIFIERS MAY SHARE HOME RUN SAW CUT. SPLICE SEGMENTS IN SERIES.

LOOP SEGMENTS ON DIFFERENT AMPLIFIERS MUST BE IN SEPARATE HOME RUN SAW CUT.



EXAMPLE B

REAR SEGMENTS ALSO USED FOR VOLUME COUNTS

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
- INDUCTIVE LOOP DETECTOR
- SAW CUT
- RIGID METAL CONDUIT
- HANDHOLE

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: LOOP VEHICLE DETECTOR AND SAWCUT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-10

SHEET NO.: 16

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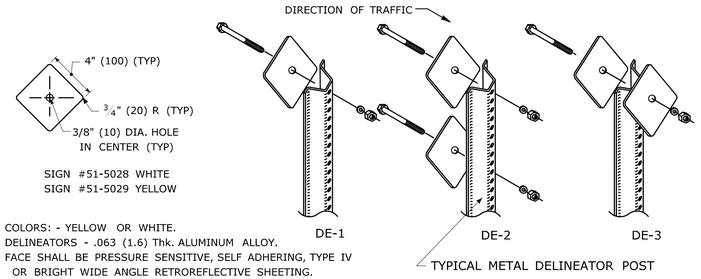
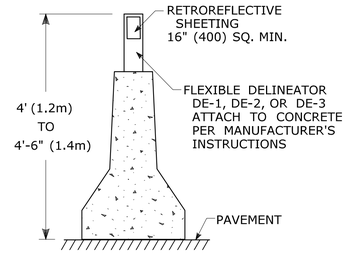
DELINEATORS DE-1, DE-2, DE-3

INSTALLATION ON DELINEATOR POSTS



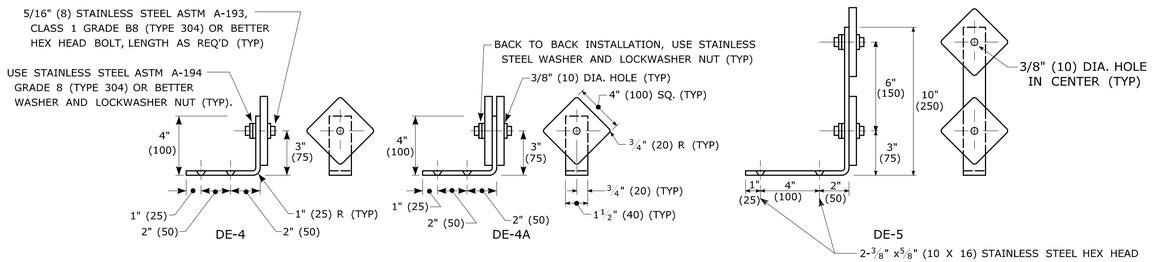
INSTALLATION ON PERMANENT CONCRETE BARRIER, BRIDGE PARAPETS & RETAINING WALLS



COLORS: - YELLOW OR WHITE.
DELINEATORS - .063 (1.6) Thk. ALUMINUM ALLOY.
FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV OR BRIGHT WIDE ANGLE RETROREFLECTIVE SHEETING.
DELINEATORS SHALL BE FASTENED WITH 5/16" (8) STAINLESS STEEL ASTM A-193 CLASS 1, GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT (LENGTH AS REQUIRED), WASHER AND FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.

DELINEATORS DE-1, DE-2, DE-3 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

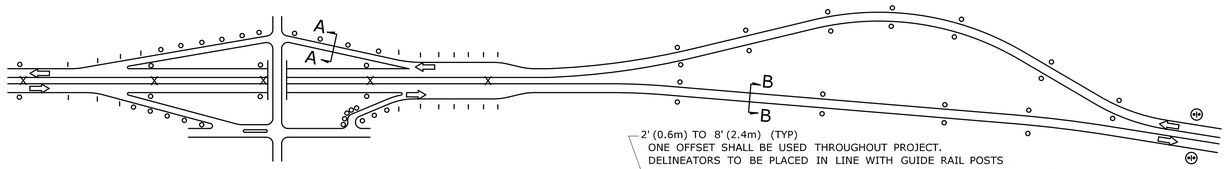
DELINEATORS DE-4, DE-4A, DE-5
FOR INSTALLATION ON METAL BRIDGE RAIL



COLORS: - YELLOW OR WHITE.
DELINEATORS - .063 (1.6) Thk. ALUMINUM ALLOY.
BRACKET - .125 (3.2) Thk. ALUMINUM ALLOY, AND SHALL CONFORM TO SPECIFICATION M.18.07-03 BRIDGE RAIL MOUNTING BRACKETS.
FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV OR BRIGHT WIDE ANGLE RETROREFLECTIVE SHEETING.
USE STAINLESS STEEL WASHERS ON FACE OF DELINEATORS, 5/8 " (16) O.D. X 3/8 " (10) I.D. X .032 (0.8) Thk. (TYPICAL).

DELINEATORS TYPE DE-4, DE-4A, AND DE-5 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

TYPICAL MAINLINE & INTERCHANGE DELINEATION



DELINEATOR SPACING NOTES:

1) AT LOCATIONS WHERE THE MEDIAN WIDTH (BETWEEN SHOULDERS) IS 12' (3.6m) OR LESS, AND MEDIAN BEAM RAIL IS PRESENT, TYPE DE-3 DELINEATORS SHALL BE MOUNTED WITHIN THE MEDIAN BEAM RAIL..
2) SPACING ON MAINLINE EXPRESSWAY TANGENTS SHALL BE 400' (120m).
3) SPACING ON MAINLINE EXPRESSWAY CURVES SHALL BE AS SPECIFIED IN TABLE 3D-1 OF THE MUTCD.
4) ON ACCELERATION AND DECELERATION LANES AND ON-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 100' (30m).
5) ON CURVED PORTIONS OF RAMPS, DELINEATOR SPACING SHALL BE IN ACCORDANCE WITH TABLE 3D-1 OF THE MUTCD, BUT NOT TO EXCEED 100' (30m).

LEGEND:

- o DE-1 DELINEATORS OR DE-4 DELINEATOR ASSEMBLY
- I DE-2 DELINEATORS OR DE-5 DELINEATOR ASSEMBLY
- X DE-3 DELINEATORS ASSEMBLY OR DE-4A DELINEATOR
- (H) D10-1, 2, OR 3 ASSEMBLY TO BE INSTALLED WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

COLOR APPLICATION, FOR DE-1 THRU DE-5

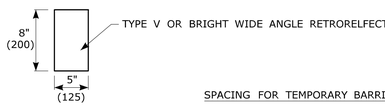
LEFT SIDE OF ALL ROADWAYS AND RAMPS - YELLOW
RIGHT SIDE OF ALL ROADWAYS AND RAMPS - WHITE

MUTCD TABLE 3D-1
APPROXIMATE SPACING FOR DELINEATORS ON HORIZONTAL CURVES

RADIUS (R) OF CURVE (feet)	APPROXIMATE SPACING (S) ON CURVE (feet)	RADIUS (R) OF CURVE (m)	APPROXIMATE SPACING (S) ON CURVE (m)
50	20	15	6
115	25	35	8
180	35	55	11
250	40	75	13
300	50	95	15
400	55	125	18
500	65	155	20
600	70	185	22
700	75	215	24
800	80	245	26
900	85	275	27
1,000	90	305	29

DISTANCE IN FEET (m) WERE ROUNDED TO THE NEAREST 5 FEET (1.5m) SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FT (6.1m) THE SPACING ON CURVES SHOULD NOT EXCEED 300 FT (90 m). IN ADVANCE OF OR BEYOND A CURVE AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S. THE SECOND IS 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FT (90m)
S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA: $S=3\sqrt{R-50}$ ($S=1.7\sqrt{R-15}$).

DELINEATORS DE-7, DE-7A, DE-7B, DE-7C
FOR INSTALLATION ON TEMPORARY PRECAST CONCRETE BARRIER CURB AND TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)



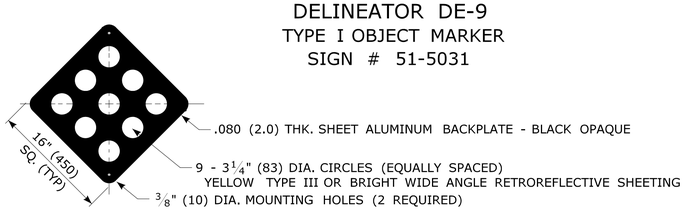
DE-7 ONE WAY WHITE
DE-7A ONE WAY YELLOW
DE-7B TWO WAY YELLOW
DE-7C WHITE/YELLOW BACK TO BACK
TEMPORARY PRECAST CONCRETE BARRIER DELINEATORS ARE TO BE FABRICATED OF ALUMINUM, STEEL, PLASTIC, OR OF A MATERIAL APPROVED BY THE ENGINEER AND MOUNTED IN THE CENTER OF EACH SECTION OF TEMPORARY BARRIER AS REQUIRED AND PER MANUFACTURER'S INSTRUCTIONS.

SPACING FOR TEMPORARY BARRIER CURB DELINEATORS:

ON THE LEADING TAPERED SECTION - EVERY 20' (6.2m),
ON THE FIRST 100' (30m) OF THE PARALLEL SECTION - EVERY 20' (6.2m),
ON THE REMAINING LENGTH - EVERY 100' (30m), MINIMUM OF 2 IF LESS THAN 100' (30m),
ALTERNATING ONE WAY TRAFFIC - EVERY 20' (6.2m),
ALL OTHER ROADWAYS SHALL BE DELINEATED IN ACCORDANCE WITH MUTCD.

DELINEATORS DE-7, DE-7A, DE-7B, DE-7C TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

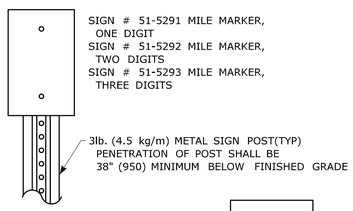
DELINEATOR DE-9
TYPE I OBJECT MARKER
SIGN # 51-5031

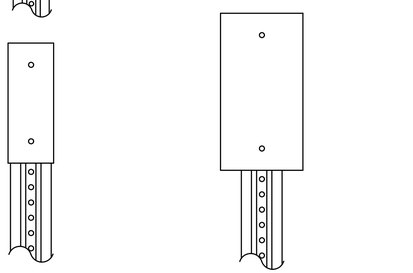


WHEN ERECTED AS A SEPARATE INSTALLATION A 3lb. (4.5kg/m) METAL SIGN POST SHALL BE USED. THE BOTTOM OF THE DE-9 SHALL BE 4' (1.2m) ABOVE THE ADJACENT PAVEMENT AND THE PENETRATION OF THE POST SHALL BE 38" (950 mm) MINIMUM BELOW THE FINISHED GRADE.

DELINEATORS DE-9 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

DELINEATORS D10-1, D10-2, D10-3
MILE POST MARKER ASSEMBLY





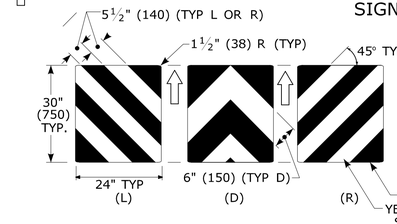
SIGN # 51-5300 MILE MARKER, ONE DIGIT WITH DECIMAL
SIGN # 51-5301 MILE MARKER, TWO DIGITS WITH DECIMAL
SIGN # 51-5302 MILE MARKER, THREE DIGITS WITH DECIMAL

SIGN # 51-5307 MILE MARKER, VARIABLE CARDINAL DIRECTION, VARIABLE SHIELD, VARIABLE NUMERALS

MILE POST MARKER ASSEMBLY TO BE PAID FOR UNDER SECTION 12.08 SIGN FACE SHEET ALUMINUM

ATTENUATOR REFLECTOR
SIGN # 50-5032

DIRECTION OF TRAVEL

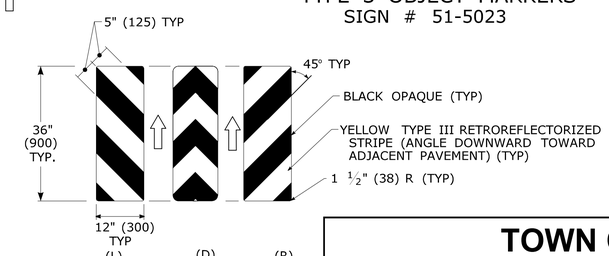


THIS SHEETING TO BE INSTALLED ON THE NOSE OF THE IMPACT ATTENUATOR WITH ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
THE SHEETING SHALL COVER THE NOSE OF THE IMPACT ATTENUATOR.
ON A CURVED NOSE, THE WIDTH OF THE SHEETING SHALL EXTEND 1" (25) BEYOND THE POINT OF CURVATURE ON EACH SIDE OF THE NOSE.
THE HEIGHT AND WIDTH OF THE SHEETING VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT ATTENUATOR.

ATTENUATOR REFLECTOR TO BE PAID FOR UNDER SECTION 18.0 IMPACT ATTENUATOR

DIRECTION OF TRAVEL

TYPE 3 OBJECT MARKERS
SIGN # 51-5023



SIGN #51-5023 MARKER MOUNTED ON 3lb. (4.5kg/m) METAL SIGN POST
BOTTOM OF SIGN #51-5023 TO BE 4' (1.2m) ABOVE ADJACENT EDGE OF PAVEMENT
FINAL LOCATIONS OF SIGN #51-5023 MARKERS WILL BE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

TYPE 3 OBJECT MARKER TO BE PAID FOR UNDER SECTION 12.08 SIGN FACE SHEET ALUMINUM

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS

FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-11
SHEET NO.: 17

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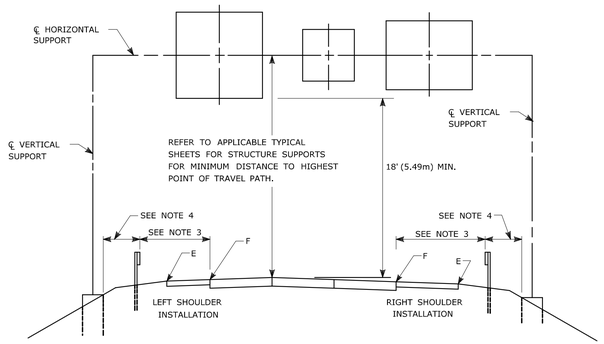


GUIDE RAIL PLACEMENT FOR SIGN SUPPORTS

NOTES:

1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
2) BARRIER SYSTEM IS REQUIRED FOR BOTH SIDES OF MEDIAN SUPPORTS IN NARROW MEDIANS.
3) AT LOCATIONS WHERE IMPACT PROTECTION IS NOT REQUIRED FOR ROADSIDE ELEMENTS, FACE OF GUIDE RAIL SHALL BE PLACED 30' (9.1m) FROM EDGE OF TRAVELWAY.
4) OFFSETS OF FOUNDATIONS FROM BARRIER SYSTEMS SHALL BE AS SHOWN ELSEWHERE ON THE CONTRACT PLANS.
5) ALL SIGNS ARE TO BE HORIZONTAL, REGARDLESS OF CAMBER IN SUPPORT.

FOR MAXIMUM EFFECTIVENESS AND TO ELIMINATE OR MINIMIZE GLARE, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 93° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES:

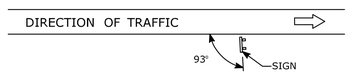


DIAGRAM "A"

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

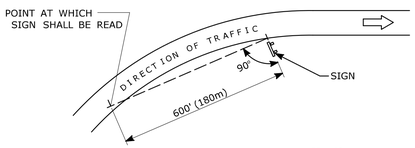
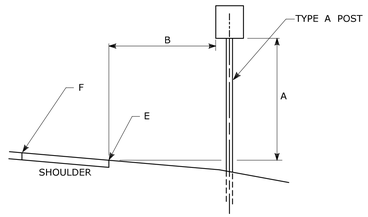
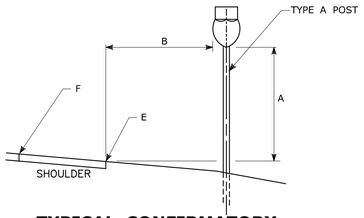


DIAGRAM "B"

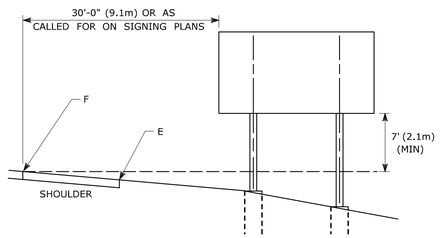
SIGN ORIENTATION DETAILS



TYPICAL REGULATORY & WARNING SIGN PLACEMENT



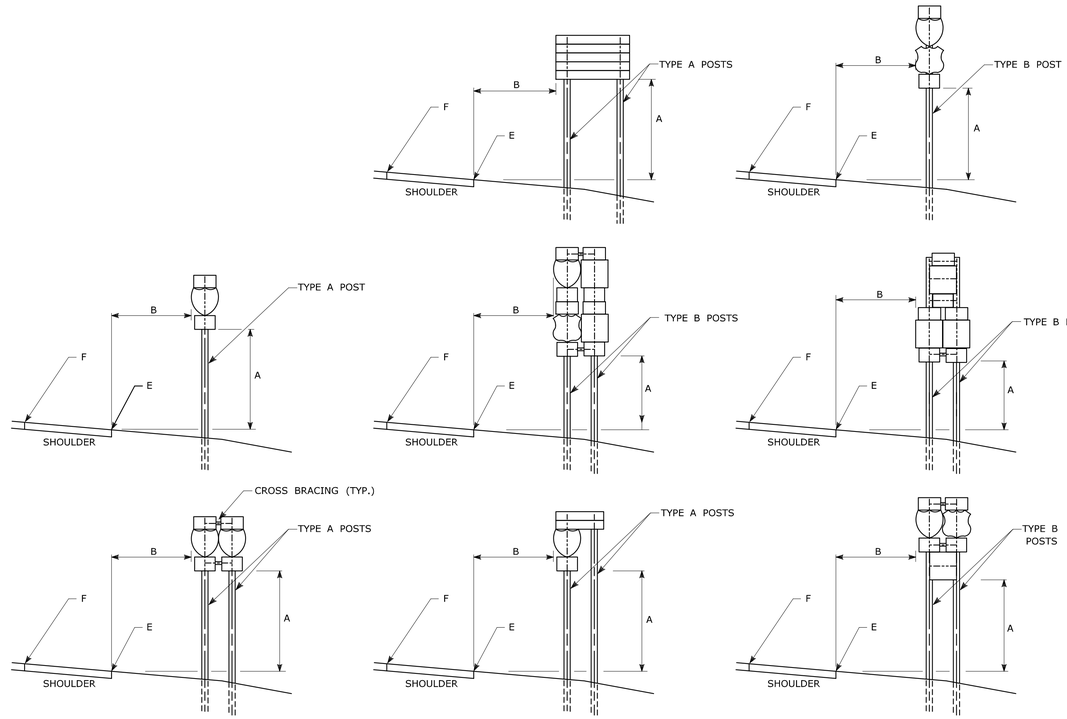
TYPICAL CONFIRMATORY ROUTE MARKER PLACEMENT



TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

NOTES:

1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 8'-6" (2.6m).
2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' (1.8m) MIN. FROM POINT "E".
4) IF 30'-0" (9.1m) MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.



TYPICAL SIGN PLACEMENT AND POST SELECTION

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY

2 POST ASSEMBLIES SHALL BE PROVIDED WITH 3" X $\frac{1}{4}$" (75 X 6) GALVANIZED STEEL BAR CROSS BRACING.

REFER TO TRAFFIC TYPICAL SHEET "TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS.

DIM."A"	DIM."B" (1)	ASSEMBLY LOCATION
7' (2.1m)	6' (1.8m) 12' (3.6m) (2)	RURAL DISTRICTS & EXPRESSWAYS
7' (2.1m)	2' (0.6m)	BUSINESS & RESIDENTIAL DISTRICTS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
8'-6" (2.6m)	1' (0.3m)	SIDEWALKS (3)

(1) OR AS DIRECTED BY THE ENGINEER

(2) 6' FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6' WIDE
12' FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6' WIDE.

(3) A CLEAR PATH OF NOT LESS THAN 3 FT (0.9m) SHALL BE PROVIDED IN SIDEWALK AREAS.

"E" DENOTES EDGE OF SHOULDER OR FACE OF CURB

"F" DENOTES EDGE OF TRAVELWAY

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN

FILE NAME:

PLOT DATE:4/20/2016

PROJECT LEADER: SM

DESIGNED BY: AG

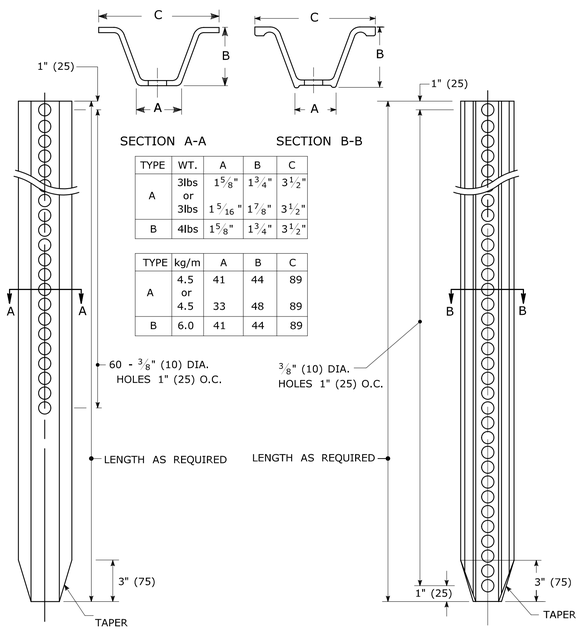
DRAWN BY: AG

CHECKED BY: PG

DRAWING NO.: MDS-12

SHEET NO.: 18

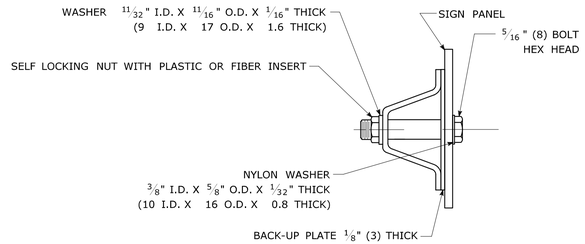
TYPICAL METAL SIGN POSTS



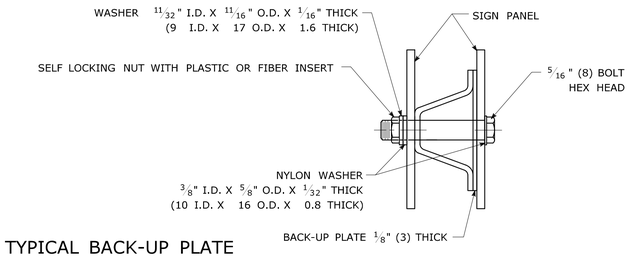
TYPE	WT.	A	B	C
A	3lbs or 3lbs	1 5/8"	1 3/4"	3 1/2"
		1 5/16"	1 7/8"	3 1/2"
B	4lbs	1 5/8"	1 3/4"	3 1/2"

TYPE	kg/m	A	B	C
A	4.5 or 4.5	41	44	89
		33	48	89
B	6.0	41	44	89

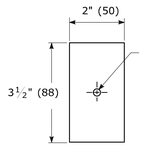
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



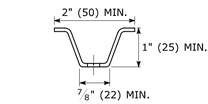
TYPICAL BACK-UP PLATE



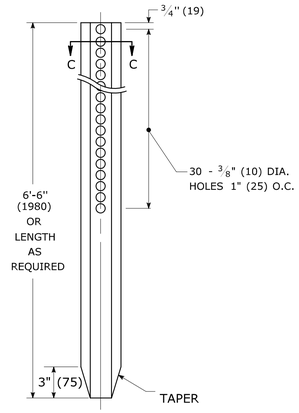
BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

WT./FT. = 1.12 LBS. MIN.
(MASS/m = 1.67 kg/m MIN.)



SECTION C-C

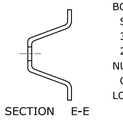


GENERAL NOTES:

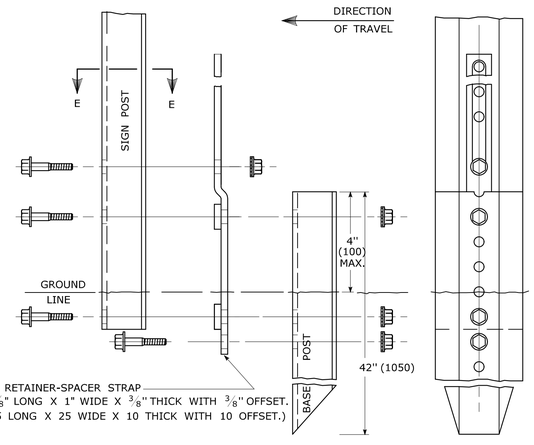
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36/A36(m) STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91lbs. (45 kg.) OR GREATER PER LINEAR YARD (METER).
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123/A123(m).
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153/A153(m).
5. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph (97 km/h) WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
6. TYPE A POSTS - 3 lbs/ft (4.5 kg/m) TYPE B POSTS - 4 lbs/ft (6 kg/m).

BREAKAWAY TYPE I INSTALLATION

FOR 3 & 4 LB. POSTS
(FOR 4.5 & 6.0 kg/m POSTS)

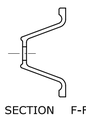


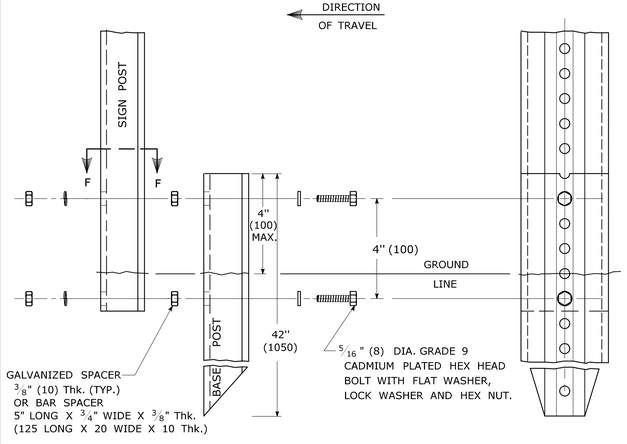
BOLTS - HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A354, SIZE IS 5/16" (8) - 18 UNC X 1 3/4" (44) GRADE BC FOR 3 LBS/FT (4.5kg/m) POSTS & 5/16" (8) - 18 UNC X 2" (50) GRADE BD FOR 4 LBS./FT (6.0 kg/m) POSTS.
NUTS - 5/16" (8) - 18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.
LOCKWASHERS - 3/8" (10) HEAVY DUTY EXTERNAL TYPE.



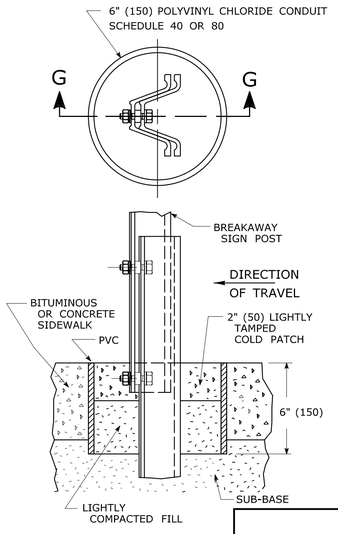
BREAKAWAY TYPE II INSTALLATION

FOR 3 & 4 LB. POSTS
(FOR 4.5 & 6.0 kg/m POSTS)

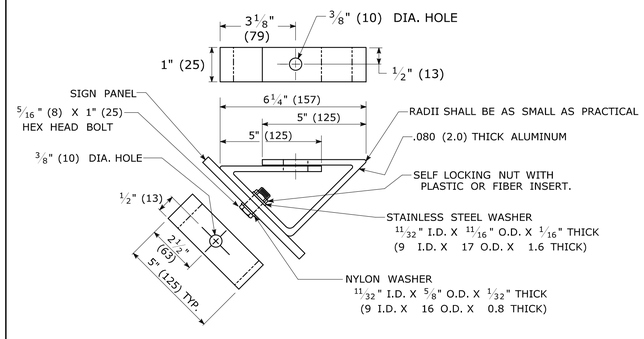




TYPICAL SLEEVE FOR PAVED AREAS



45° SUBMOUNTING BRACKET



TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: METAL SIGN POSTS AND SIGN MOUNTING DETAILS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-13
SHEET NO.: 19

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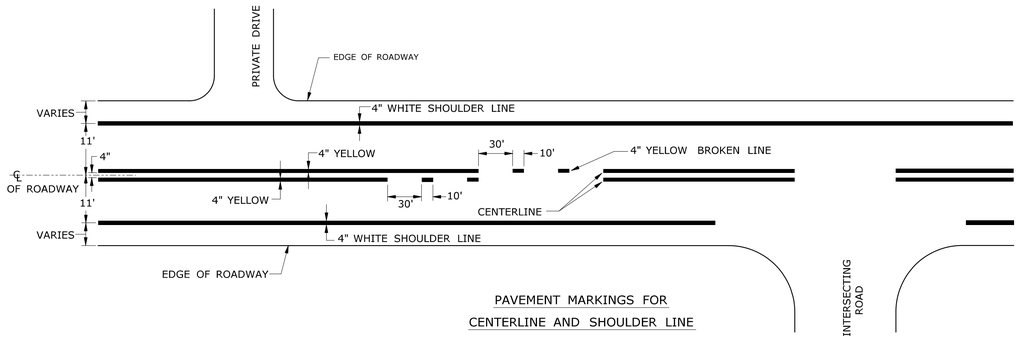
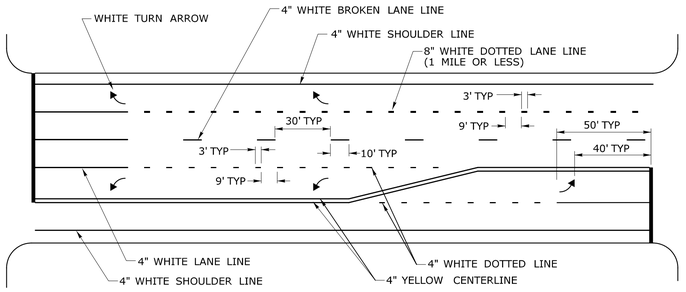
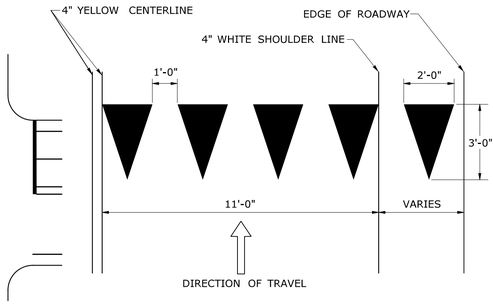


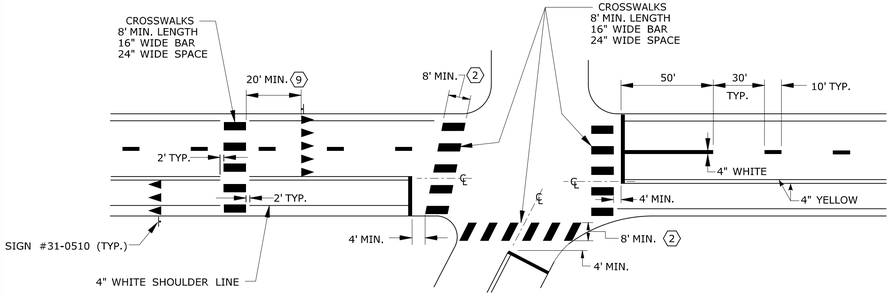
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



PAVEMENT MARKINGS FOR
TURNING LANES



YIELD LINE DETAIL
(WHITE)



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS

NOTES:

STOP BARS AND YIELD LINES

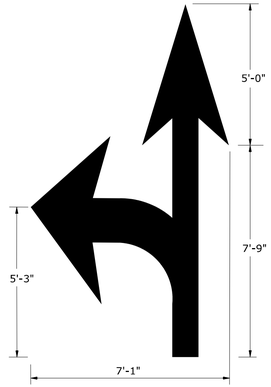
1. STOP BARS AND YIELD LINES SHALL BE WHITE.
2. STOP BARS SHALL BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
3. STOP BARS TO BE MARKED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
4. IN THE ABSENCE OF A MARKED CROSSWALK THE STOP BAR SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY, AT THE DESIRED STOPPING POINT AT LEAST 5' AND NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.
5. THE STOP BAR SHOULD BE PLACED IN LINE WITH THE STOP SIGN. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
6. FOR STOP BARS AT RAMPS SEE DETAILS "O" & "P" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
7. YIELD LINES SHOULD BE INSTALLED FROM THE CENTERLINE TO THE CURB LINE/EDGE OF ROAD AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
8. FOR YIELD LINE INSTALLATIONS, ONLY FULL TRIANGLES ARE TO BE INSTALLED.
9. AT MID-BLOCK CROSSWALKS ONLY, YIELD LINES SHOULD BE INSTALLED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE, OR AS DIRECTED BY THE ENGINEER.
10. THE YIELD LINE SHOULD BE PLACED IN LINE WITH A YIELD SIGN. HOWEVER, IF THE YIELD SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO YIELD, THE YIELD LINE SHOULD BE PLACED AT THE YIELDING POINT.

CROSSWALKS

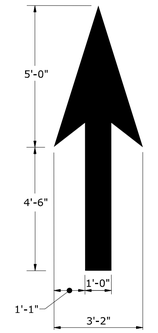
1. CROSSWALK MARKINGS SHALL BE WHITE.
2. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
3. BARS SHOULD BE NO CLOSER THAN 1' FROM CURB LINE/EDGE OF ROAD.
4. ONLY FULL LENGTH BARS ARE TO BE INSTALLED.
5. DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.
6. 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

RAILROAD GRADE CROSSINGS

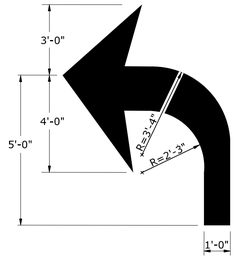
1. RAILROAD MARKINGS SHALL BE WHITE.
2. ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS THE APPROACH LANES AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



12.5 S.F.

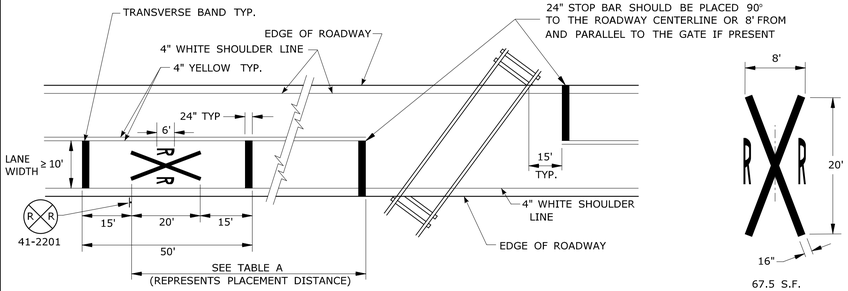


15.5 S.F.

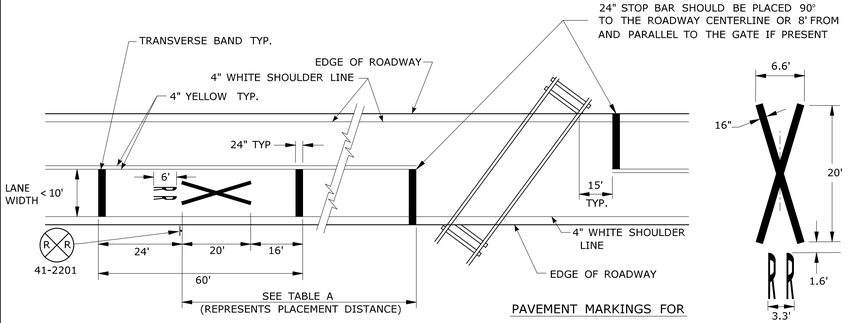
27.0 S.F.
LEFT & RIGHT
ARROW COMBO

38.5 S.F.
3 WAY ARROW
COMBO

PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE

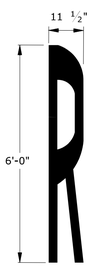


67.5 S.F.



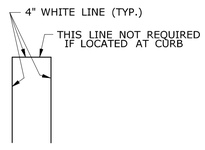
67.5 S.F.

PAVEMENT MARKINGS FOR
RAILROAD GRADE CROSSINGS

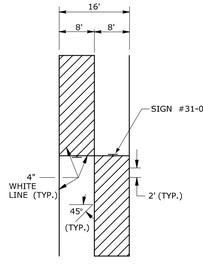


5.75 S.F.

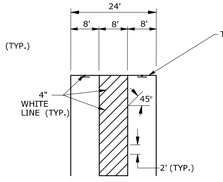
TABLE A	
POSTED OR 85 PERCENTILE SPEED M.P.H.	MINIMUM DISTANCE FT.
20	100
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475



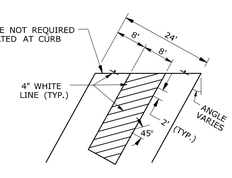
STANDARD
PARKING STALL



(PIGGY BACK STYLE)



(SIDE BY SIDE STYLE)
(SHARED AISLE)



(ANGLED SIDE BY SIDE STYLE)
(SHARED AISLE)

PARKING STALLS FOR HANDICAPPED

NOTES:
PAVEMENT MARKING

1. FOR PAVEMENT MARKINGS ON A CLIMBING LANE SEE DETAIL "L" ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
2. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
3. FOR PAVEMENT MARKING LINES, STOP BARS AND ARROWS AT RAMPS SEE DETAILS "O" & "P" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
4. RIGHT TURN PAVEMENT MARKINGS ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.
5. SHARED AISLES MAY NOT BE USED WHERE CONNECTICUT BUILDING CODE GOVERNS.
6. LANE WIDTHS TO BE 11' UNLESS OTHERWISE NOTED.

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-14
SHEET NO.: 20

E5 - SERIES

E5-1

COPY & BORDER - WHITE
BACKGROUND - GREEN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	51-6147	2

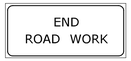
16 - SERIES

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-S	10.0	48X30	80-1619	2

G20 - SERIES

G20-2a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9612	2

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	90.0	120X108	80-9728	

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9711	1
	16.0	48	80-9712	2

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	7.0	72X14	80-9720	

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	50-5934	2

M4 - SERIES

M4-8

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9707	1

M4-9b

VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	30X24	80-9703	1

M4-8a

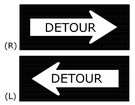
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	24X18	80-9708	1

M4-9b

VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.25	24X30	80-9706	1

M4-10



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.0	48X18	80-9701R	2
	6.0	48X18	80-9702L	2

VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	30X24	80-9710	1

R1 - SERIES

R1-1

* COPY & BORDER - WHITE
BACKGROUND - RED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.19	30	31-0552	1
	13.30	48	31-0557	2

R1-2

* COPY & BORDER - RED
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.90	36	31-0523	1
	10.83	60	31-0528	2B

R4 - SERIES

R4-7

COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	24X30	31-1526	1

R9 & R11 - SERIES

R9-9

COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.75	30X18	80-9076	1

R11-3a

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9077	2

R9-11

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	24X18	80-9074	1

R11-3b

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9078	2

R9-11a

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9075	1

R11-3b

COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9081	2

R11-2

COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	10.0	48X30	80-9080	2

COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	14.0	48X42	31-1906	2
	22.5	60X54	31-1907	2
	30.0	72X60	31-1908	2B

W1 - SERIES

W1-4

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9432L	1
	9.0	36	80-9431R	1
	16.0	48	80-9452L	2
	16.0	48	80-9451R	2

W1-6

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9424	2
	12.5	60X30	80-9423	2

W1-8

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	18X24	80-9401	1
	5.0	24X30	80-9403	1
	7.5	30X36	80-9404	1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9433L	2
	16.0	48	80-9435R	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9483L	2B
	25.0	60	80-9485R	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9434L	2
	16.0	48	80-9436R	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9484L	2B
	25.0	60	80-9486R	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9443L	2B
	25.0	60	80-9445R	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9444L	2B
	25.0	60	80-9446R	2B

W3 - SERIES

W3-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9808	1

W3-1a

OCTAGON - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

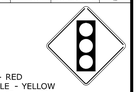
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9050	1
	16.0	48	80-9051	2

W3-2a

TRIANGLE - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9054	1
	16.0	48	80-9055	2

W3-3

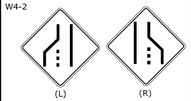


TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9052	1
	16.0	48	80-9053	2

W4-W6 - SERIES

W4-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9918L	2
	16.0	48	80-9917R	2

W6-3

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9945	2

W8-W9 - SERIES

W8-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9901	1
	16.0	48	80-9902	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9801	1
	16.0	48	80-9802	2

W9-2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9910L	2
	16.0	48	80-9911R	2

W13 - SERIES

W13-1

SUBPLATE
VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.0	24	80-9569	1
	6.25	30	80-9567	1

VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9506	1
	16.0	48	80-9508	2

VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.0	72X24	80-9519	2

W20 - SERIES

W20-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.25	30	80-9602	1
	9.0	36	80-9603	1
	16.0	48	80-9604	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9602	1
(R)	16.0	48	80-9603	1
	16.0	48	80-9604	2

W20-7a

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9803	1
	16.0	48	80-9804	2

W20-1

VARIABLE DISTANCE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9614	1
	16.0	48	80-9615	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9837	2
(R)	16.0	48	80-9838	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	32.0	96X48	80-9815	2B

W20-2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9805	1
	16.0	48	80-9806	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9847	2
(R)	16.0	48	80-9848	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9870	
	3.75	30X18	80-9871	

W20-4

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9834	1
	16.0	48	80-9835	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9846	2
(R)	16.0	48	80-9849	2

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.5	30X12	80-9872	
	4.5	36X18	80-9873	

W21 - SERIES

W21-6

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9607	1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9912	1

W22 - SERIES

W22-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9620	1
	16.0	48	80-9625	2

W22-2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	10.5	42X36	80-9623	2

W22-3

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	7.5	36X30	80-9622	2
	10.5	42X36	80-9621	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.17	60X10	80-9913	2
	12.0	96X18	80-9914	2
	3.33	48X10	80-9916	2

BLANK OR
VARIABLE LEGEND

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9933	1
	16.0	48	80-9934	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9928	2
	24.0	72X48	80-9929	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9951	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9956	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

STOP-SLOW PADDLE

SIDE A
BACKGROUND - RED
COPY & BORDER - WHITE
SIDE B
BACKGROUND - ORANGE
COPY & BORDER - BLACK PLAIN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.51	19	80-9950	PADDLE

COPY & BORDER - BLACK
BACKGROUND - YELLOW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	12X24	41-0815	

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3)OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125", PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:
BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

NOTES:
1. R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
5. FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
6. FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
7. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
8. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-15

SHEET NO.: 21

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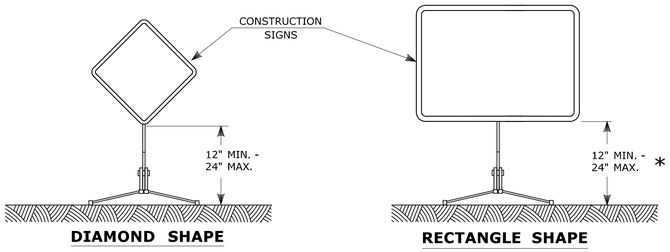
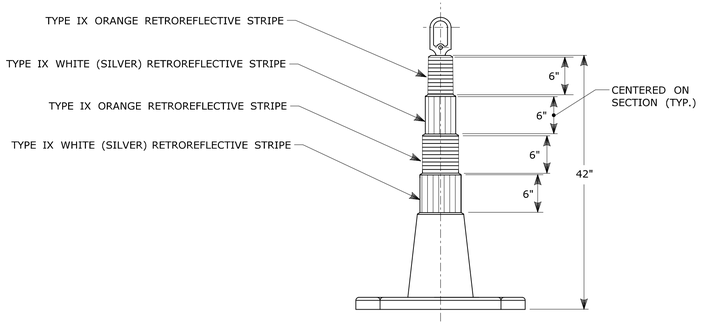


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

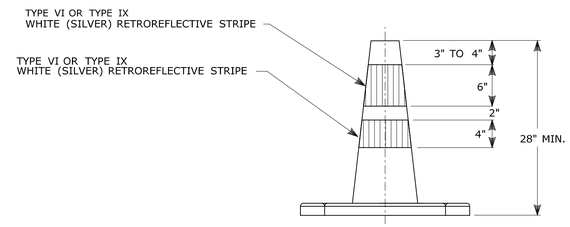
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

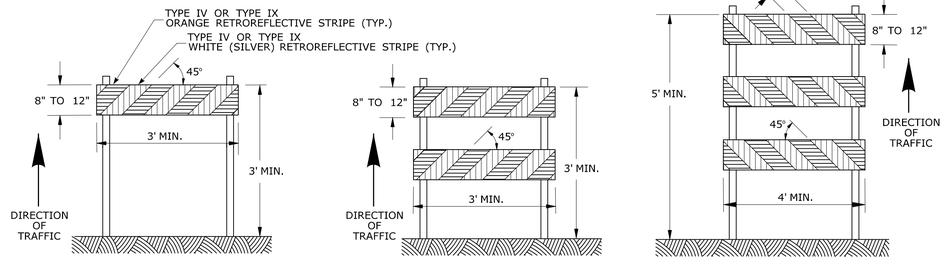
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TRAFFIC CONE

NOTES:

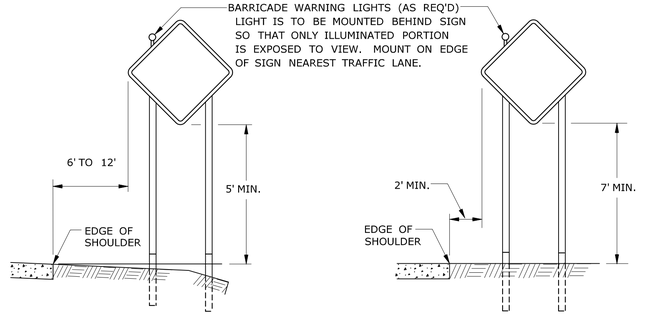
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



CONSTRUCTION BARRICADES

NOTES:

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.

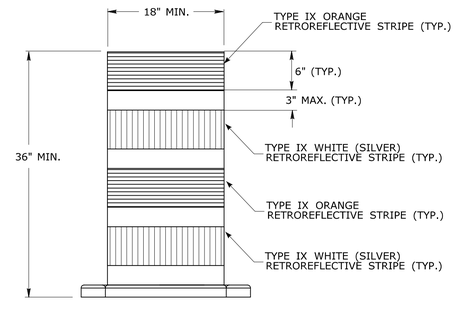


PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

SEE TYPICAL SHEETS:
"TYPICAL SIGN SUPPORT AND SIGN PLACEMENT DETAILS-GORE EXIT SIGN"
"TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS"



TRAFFIC DRUM FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

FILE NAME:		PLOT DATE: 4/20/2016	DRAWING NO.: MDS-16
PROJECT LEADER:	SM	DRAWN BY: AG	SHEET NO.: 22
DESIGNED BY:	AG	CHECKED BY: PG	

R1 - SERIES

R1-1 *

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.31	24	31-0536	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100

R1-2 *

LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.90	36	31-0523	1	.080
6.77	48	31-0522	2B	.100
10.83	60	31-0528	2B	.100

R1-3 *

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2B	.100

R3 - SERIES

R3-1

31-1604 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604		.080
6.25	30X30	31-1617	1	.080
5.00	30X24	31-1618		.080
9.00	36X36	31-1627	2	.080
7.50	36X30	31-1628		.080

R3-2

31-1603 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603		.080
6.25	30X30	31-1619	1	.080
5.00	30X24	31-1620		.080
9.00	36X36	31-1629	2	.080
7.50	36X30	31-1630		.080

R3-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

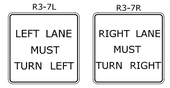
R3-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0135L	1	.080
4.00	24X24	31-0138R	1	.080
7.50	30X36	31-0183L	1	.080
7.50	30X36	31-0184R	1	.080

R3-6

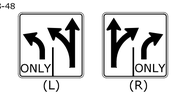
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0157L	1	.080
7.50	30X36	31-0158R	1	.080

R3-7L / R3-7R



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117L	1	.080
6.25	30X30	31-0118R	1	.080
9.00	36X36	31-0120L	2	.080
9.00	36X36	31-0123R	2	.080

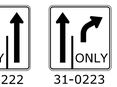
R3-48



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0262L	1	.080
6.25	30X30	31-0261R	1	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0125	1	.080
4.00	24X24	31-0135R	1	.080
6.25	30X30	31-0165	1	.080
7.50	30X36	31-0175	1	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-0290	1	.080



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X24		1	.080

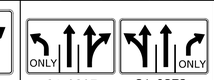
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

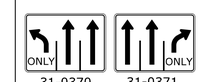
R3-8b

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

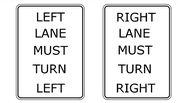


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100

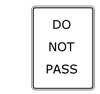


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100



R4 - SERIES

R4-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2B	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1504	2B	.100

R4-3

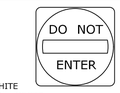
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2B	.100

R4-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2B	.100

R5 - SERIES

R5-1 *



LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-1a *

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1790	1	.080
20.00	48X60	31-1792	2B	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.00	54X72	31-1719	2B	.125

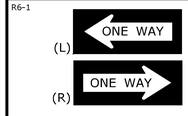
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1702	1	.080

R5-10c

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R6 - SERIES

R6-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188L	1	.080
3.00	36X12	31-1177R	1	.080
6.75	54X18	31-1189L	2	.100
6.75	54X18	31-1178R	2	.100

R7 - SERIES

(R) ⟹ (D) ⟺ (L) ⟸
(P) (NO ARROW)
LEGEND - WHITE
BACKGROUND - BLUE

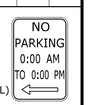
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	12X24	31-0629	1	.080

R7-1

(R) ⟹ (L) ⟸
(D) ⟺
LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a



VARIABLE TIMES
(R) ⟹ (L) ⟸
(D) ⟺
LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

R9 - SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.50	66X60	31-1733	2B	.125

R10 - SERIES

R10-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-11b

OVERHEAD MOUNTED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0823		.080
9.00	36X36	31-0816	2	.080

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080
20.00	48X60	31-0849	2B	.100

R10-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0803	1	.080
12.00	36X48	31-0804	2	.100

R10-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080
12.00	36X48	31-0807	2	.100

R10-10L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0842		.080
7.50	30X36	31-0852	1	.080

R10-11a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R11 - SERIES

R11-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2B	.100

RETROREFLECTIVE STRIP

* LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X36	31-5003	1	.080
2.00	4X72	31-5004	1	.080
2.67	4X96	31-5005	1	.080

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE (SILVER) - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: SIGN FACE SHEET ALUMINUM R-SERIES SIGNS TYPICAL DETAILS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-17
SHEET NO.: 23

P:\Projects\CT_Towns\Brookfield\36939842\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MSta_Contract_Sheet_Files\BROOKFIELDB.dgn

S - SERIES

S1-1 *

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	36	41-2112	1	.080
12.00	48	41-2113	2	.100

W1 - SERIES

W1-1L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080
16.00	48	41-4056	2	.100

W1-1R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4005	1	.080
9.00	36	41-4160	1	.080
16.00	48	41-4055	2	.100

(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4141L	1	.080
9.00	36	41-4140R	1	.080
16.00	48	41-4062L	2	.100
16.00	48	41-4061R	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4028	1	.080
9.00	36	41-4084	1	.080
16.00	48	41-4068	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4027	1	.080
9.00	36	41-4083	1	.080
16.00	48	41-4067	2	.100

(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.0	36	41-4139L	1	.080
9.0	36	41-4140R	1	.080
16.00	48	41-4088L	2	.100
16.00	48	41-4087R	2	.100

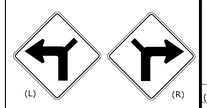
W1-6

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4222	2	.100
12.50	60X30	41-4224	2	.100

W1-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4207	2	.100
12.50	60X30	41-4208	2	.100



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4128L	1	.080
9.00	36	41-4127R	1	.080
16.00	48	41-4058L	2	.100
16.00	48	41-4057R	2	.100

W1-8

(LEFT OR RIGHT)

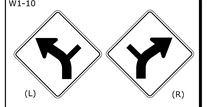
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-4250	1	.080
5.00	24X30	41-4203	1	.080
7.50	30X36	41-4204	1	.080
12.00	36X48	41-4251	2	.080

W1-8 *

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	41-4210	1	.080
7.50	30X36	41-4211	1	.080

W1-10



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4085L	1	.080
9.00	36	41-4043R	1	.080
16.00	48	41-4090L	2	.100
16.00	48	41-4089R	2	.100

W2 - SERIES

W2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4226	1	.080
9.00	36	41-4236	1	.080
16.00	48	41-4246	2	.100

W2-2

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4225	1	.080
9.00	36	41-4235	1	.080
16.00	48	41-4245	2	.100

W2-3

(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4220L	1	.080
6.25	30	41-4219R	1	.080
9.00	36	41-4253L	1	.080
9.00	36	41-4252R	1	.080
16.00	48	41-4244L	2	.100
16.00	48	41-4243R	2	.100

W2-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4217	1	.080
9.00	36	41-4255	1	.080
16.00	48	41-4247	2	.100

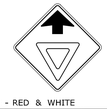
W3 - SERIES

W3-1

OCTAGON - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0501	1	.080
9.00	36	41-0502	1	.080
16.00	48	41-0503	2	.100

W3-2



TRIANGLE - RED & WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
9.00	36	41-0505	2	.100
16.00	48	41-0506	2	.100

W3-3

SYMBOL & LEGEND - BLACK
BACKGROUND - YELLOW
TOP CIRCLE - RED
BOTTOM CIRCLE - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0835	1	.080
9.00	36	41-0836	1	.080
16.00	48	41-0848	2	.100
25.00	60	41-0860	2B	.125

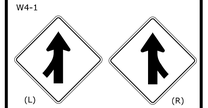
WHEN FLASHING STOP AHEAD

W/ FLASHERS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
25.00	60	41-0534	2B	.125

W4 - SERIES

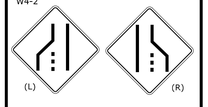
W4-1



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448L	1	.080
9.00	36	41-4449R	1	.080
16.00	48	41-4452L	2	.100
16.00	48	41-4459R	2	.100

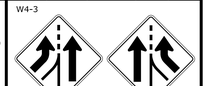
W4-2



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442L	1	.080
9.00	36	41-4441R	1	.080
16.00	48	41-4446L	2	.100
16.00	48	41-4447R	2	.100

W4-3



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4468L	1	.080
9.00	36	41-4470R	1	.080
16.00	48	41-4435L	2	.100
16.00	48	41-4434R	2	.100

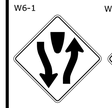
W5 - SERIES

W5-1

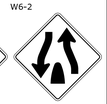
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1



W6-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4335	1	.080
16.00	48	41-4330	2	.100

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4329	1	.080
16.00	48	41-4331	2	.100

W7 - SERIES

W7-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4506	1	.080
9.00	36	41-4530	1	.080
16.00	48	41-4508	2	.100

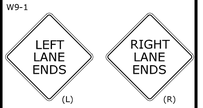
W8 - SERIES

W8-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4519	1	.080
9.00	36	41-4520	1	.080
16.00	48	41-4521	2	.100

W9 - SERIES

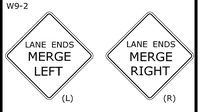
W9-1



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4443L	1	.080
9.00	36	41-4440R	1	.080
16.00	48	41-4444L	2	.100
16.00	48	41-4445R	2	.100

W9-2



(L) (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4454L	1	.080
9.00	36	41-4453R	1	.080
16.00	48	41-4456L	2	.100
16.00	48	41-4455R	2	.100

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
22.00	66X48	41-1510	2B	.125

W10 - SERIES

W10-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.07	36	41-2201	1	.080

W11 - SERIES

W11-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4810	1	.080
9.00	36	41-4811	1	.080
16.00	48	41-4812	2	.100

W11-8

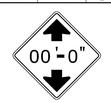
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4680	1	.080
9.00	36	41-4681	1	.080
16.00	48	41-4692	2	.100

W12 - SERIES

W12-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080
16.00	48	41-4214	2	.100

W12-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100

(L) (R)

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	41-4729L		.080
7.50	36X30	41-4728R		.080

W13 - SERIES

W13-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5568		.080
4.00	24X24	41-5569		.080
6.25	30X30	41-5573		.080
16.00	48X48	41-5572		.100

W13-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5596	2B	.100

W13-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5598	2B	.100

W16 - SERIES

W16-2aP

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6132		.080
7.00	42X24	41-6134		.100

W16-7PL

(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2607		.080
3.75	30X18	41-2608		.080

W16-7PR

(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2609		.080
3.75	30X18	41-2610		.080

W16-9P

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6125		.080
3.75	30X18	41-6112		.080
6.00	36X24	41-6116		.080
12.00	48X36	41-6115		.100

W16-2aP *

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6140		.080
3.75	30X18	41-6142		.080

W16-7PL *

(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2617		.080
3.75	30X18	41-2618		.080

W16-7PR *

(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080
3.75	30X18	41-2620		.080

W16-9P *

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080
6.00	36X24	41-6138		.080
12.00	48X36	41-6139		.100

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: SIGN FACE SHEET ALUMINUM S&W SERIES SIGN TYPICAL DETAILS

FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-18
SHEET NO.: 24

P:\Projects\CT_Towns\Brookfield\36939842\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MSta_Contract_Sheet_Files\BROOKFIELDB.dgn

D1 - SERIES

D1-1

51-5202 Variable →

D1-2

51-5203 Variable / Variable →

VARIABLE LEGEND & ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X12	51-5202	2	.100
8.33	60X24	51-5203	2	.100

D3 - SERIES

D3-1

Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	48X12	51-2010	2	.100
5.00	60X12	51-2011	2	.100
6.00	72X12	51-2012	2	.125
7.00	84X12	51-2013	2	.125

D3-1

Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	48X18	51-2004	2	.100
7.50	60X18	51-2001	2	.100
9.00	72X18	51-2002	2	.125
10.50	84X18	51-2003	2	.125

D4 - SERIES

D4-2

PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6006	1	.080
7.50	30X36	51-6007	1	.080
12.00	36X48	51-6008	2	.100

D4-2

PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6033	1	.080
7.50	30X36	51-6034	1	.080
12.00	36X48	51-6035	2	.100

D4-2

PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6044	1	.080
7.50	30X36	51-6045	1	.080
12.00	36X48	51-6046	2	.100

NOTICE
THIS PARKING AREA PATROLLED

LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
15.00	60X36	51-5937	2	.100

PARK AT YOUR OWN RISK
REMOVE KEYS AND LOCK CAR
NOT RESPONSIBLE FOR
PROPERTY LOST OR STOLEN

LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.50	36X18	51-6037	1	.080

D5 - SERIES

D5-2b

REST AREA ↗

LEGEND - WHITE BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
42.25	78X78	51-6901	2B	.125

SERVICE PLAZA ↗

LEGEND - WHITE BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
39.00	72X78	51-6158	2B	.125

D7 - SERIES

D-7

51-6802 Variable →

51-6803 Variable / Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X10	51-6802	2	.100
8.33	60X20	51-6803	2	.100

D9 - SERIES

D9-2

H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6788	1	.080

D9-3a

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6762	1	.080

51-6705 DIESEL →
51-6706 FOOD →
51-6707 PHONE →
51-6708 GAS →
51-6709 LODGING →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		1	.080

D10 - SERIES

D10-4

NORTH 95 MILE 000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	18X54	51-5307	1	.080

RECREATIONAL RS- SERIES

RS-054

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080

51-2705 ↑ 51-2706 L or R →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	51-2705		.080
2.19	21X15	51-2706		.080

E5 - SERIES

E5-1a

EXIT ↖ (L) EXIT ↗ (R)

FOR USE AT "NO NUMBERED" EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
30.00	72X60	51-6150	2B	.125

E5-1a

EXIT ↖ 00 (L) EXIT 00 ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
32.50	78X60	51-6124R	2B	.125
32.50	78X60	51-6125L	2B	.125

E5-1a

EXIT ↖ 00 B (L) EXIT 00 B ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
45.00	108X60	51-6126R	2B	.125
45.00	108X60	51-6127L	2B	.125

E5-1a

EXIT ↖ 00 A-B (L) EXIT 00 A-B ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
57.50	138X60	51-6128R	2B	.125
57.50	138X60	51-6129L	2B	.125

I - SERIES

I-3

(Variable) River

VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

(Town Name) (INCORPORATED OR SETTLED) (DATE) TOWN LINE

VARIABLE: TOWN / CITY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	40X27	51-2020	2	.080

(Name) Connecticut

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	51-2040	2	.100

I-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080

INCIDENT MANAGEMENT

N 0 0 .0 | N 0 0 0 .0 | N 0 0 0 0 .0

CARDINAL DIRECTION VARIABLE - N, S, E, W

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	12X36	51-5103	1	.080
4.00	12X48	51-5104	1	.080
5.00	12X60	51-5105	1	.080

SYMBOL - WHITE BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	51-5943	1	.080

51-6504 Variable
51-6505 Variable / Variable

TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	51-6504		.080
1.50	18X12	51-6505		.080

M1 - SERIES

M1-1

INTERSTATE CONNECTICUT 00 — 51-6662, 51-6666 VARIABLE: 1 or 2 DIGITS

INTERSTATE CONNECTICUT 000 — 51-6663, 51-6667 VARIABLE: 3 DIGITS

LEGEND - WHITE BACKGROUND - RED & BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.20	24X24	51-6662	1	.080
3.99	30X24	51-6663	1	.080
7.20	36X36	51-6666	2	.080
8.99	45X36	51-6667	2	.100

M1-4

00 — 51-6615, 51-6635 VARIABLE: 1 or 2 DIGITS

000 — 51-6644, 51-6645 VARIABLE: 3 DIGITS

LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6615	1	.080
5.00	30X24	51-6644	1	.080
9.00	36X36	51-6635	2	.080
11.25	45X36	51-6645	2	.100

M1-5

00 — 51-6616, 51-6636 VARIABLE: 1 or 2 DIGITS

000 — 51-6647, 51-6646 VARIABLE: 3 DIGITS

LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6616	1	.080
5.00	30X24	51-6647	1	.080
9.00	36X36	51-6636	2	.080
11.25	45X36	51-6646	2	.100

M2 - SERIES

M2-1

JCT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6610	(2)	.080

M3 - SERIES

M3-1

NORTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	30X18	51-6655	(1)	.080
4.50	30X18	51-6625	(2)	.080

M3-2

EAST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6652	(1)	.080
2.00	24X12	51-6612	(2)	.080
4.50	30X18	51-6656	(1)	.080
4.50	30X18	51-6626	(2)	.080

M3-3

SOUTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6653	(1)	.080
2.00	24X12	51-6613	(2)	.080
4.50	30X18	51-6657	(1)	.080
4.50	30X18	51-6627	(2)	.080

M3-4

WEST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	30X18	51-6658	(1)	.080
4.50	30X18	51-6628	(2)	.080

M4 - SERIES

M4-5

TO

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6650	(1)	.080
2.00	24X12	51-6620	(2)	.080

M5 - SERIES

M5-1

L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2690L	(1)	.080
2.19	21X15	51-2691R	(1)	.080
2.19	21X15	51-2630L	(2)	.080
2.19	21X15	51-2631R	(2)	.080

M5-2

L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2692L	(1)	.080
2.19	21X15	51-2693R	(1)	.080
2.19	21X15	51-2632L	(2)	.080
2.19	21X15	51-2633R	(2)	.080

M6 - SERIES

M6-1

L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2686	(1)	.080
2.19	21X15	51-2626	(2)	.080

M6-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2697	(1)	.080
2.19	21X15	51-2627	(2)	.080

M6-2

L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2688L	(1)	.080
2.19	21X15	51-2689R	(1)	.080
2.19	21X15	51-2628L	(2)	.080
2.19	21X15	51-2629R	(2)	.080
4.89	32X22	51-2609R	(2)	.080

M6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2685	(1)	.080
2.19	21X15	51-2625	(2)	.080

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

D - SERIES
- D1, 2, 3, 4, 10 BACKGROUND-GREEN, LEGEND-WHITE
- D7, RS BACKGROUND-BROWN, LEGEND-WHITE
- D9 BACKGROUND-BLUE, LEGEND-WHITE
- ALL OTHER D-SERIES AS NOTED

E - SERIES
- BACKGROUND-GREEN, LEGEND-WHITE

I - SERIES
- BACKGROUND-GREEN, LEGEND-WHITE (EXCEPT AS NOTED)

M2 - M6 SERIES
- (1) BACKGROUND-BLUE, LEGEND-WHITE
- (2) BACKGROUND-WHITE, LEGEND-BLACK

ALL COLORS SHALL BE TYPE IV RETROREFLECTIVE WITH THE EXCEPTION OF BLACK WHICH SHALL BE OPAQUE.

3 6-2015 REVISED DRAWING TITLE AND NO.
2 5-2015 UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

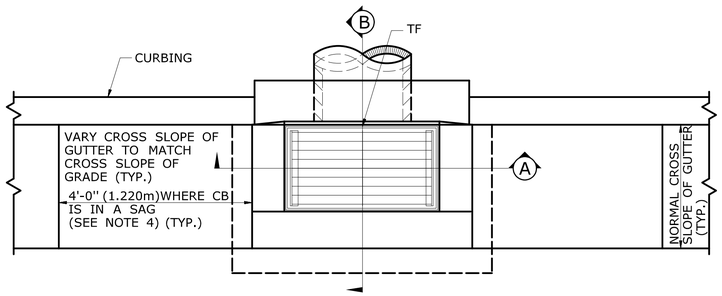
SHEET TITLE: SIGN FACE SHEET ALUMINUM D,RS,E,I,&M SERIES TYPICAL DETAILS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

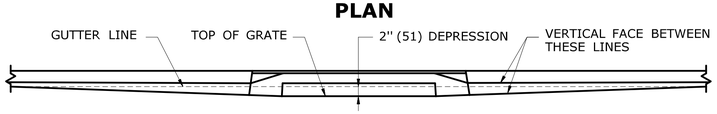
FILE NAME:
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: MDS-19
SHEET NO.: 25

GENERAL NOTES:

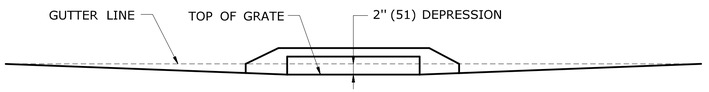
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305mm) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75mm.) NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305mm) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" (305mm) THICKNESS WILL START AFTER THE FIRST 10' (3.048m).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE @ GUTTER LINE.



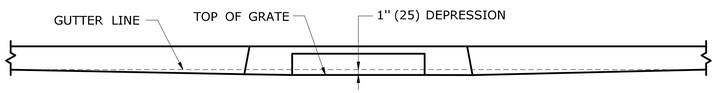
PLAN



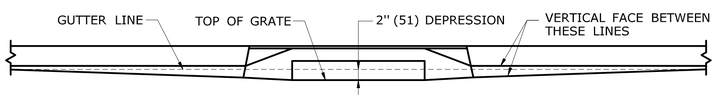
FOR CATCH BASINS IN A LINE OF 4" (102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



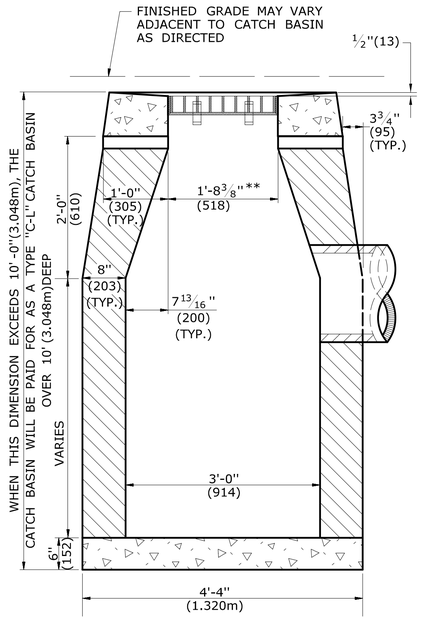
FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



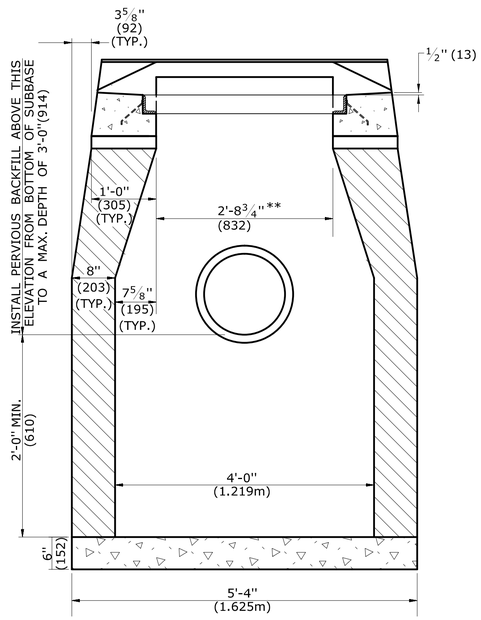
FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

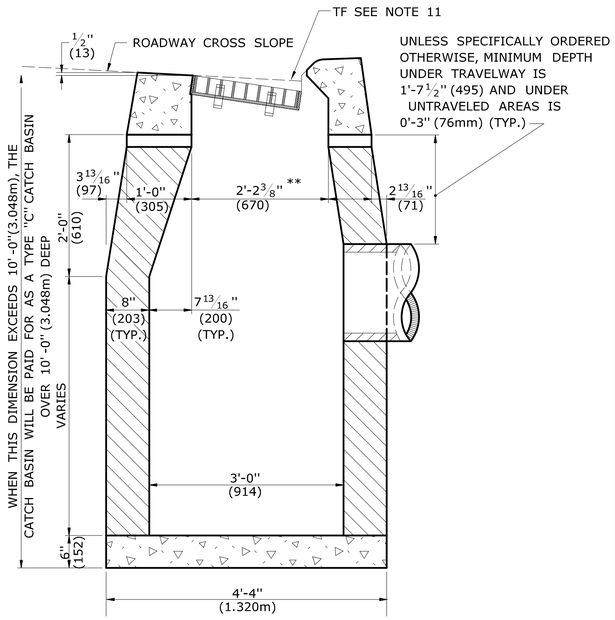
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.



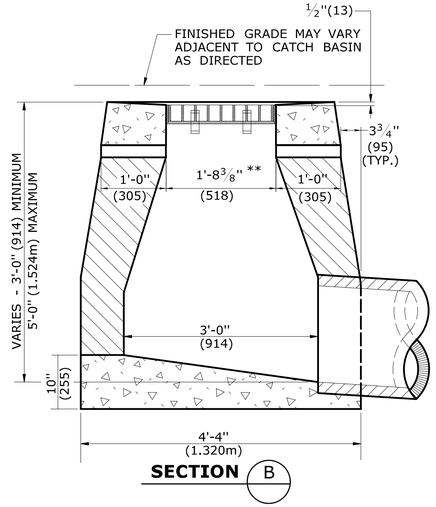
TYPE "C-L" CATCH BASIN



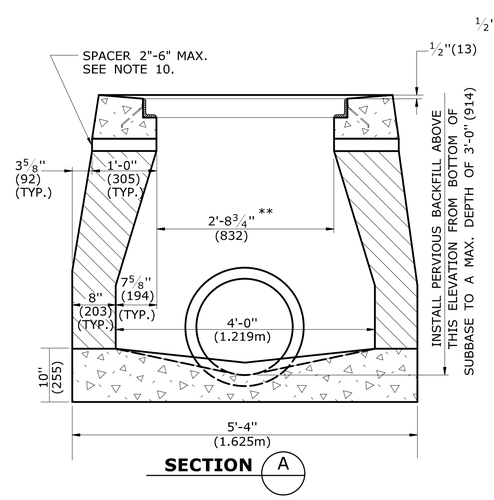
TYPE "C" & "C-L" CATCH BASIN (TYPE "C" TOP SHOWN)



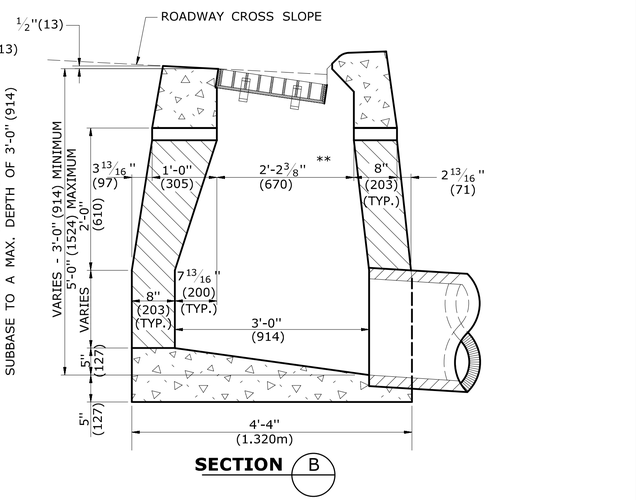
TYPE "C" CATCH BASIN



TYPE "C-L" DROP INLET



TYPE "C" & "C-L" DROP INLET (TYPE "C-L" TOP SHOWN)



TYPE "C" DROP INLET

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: TYPE "C", "C-L" AND DROP INLET CATCH BASIN

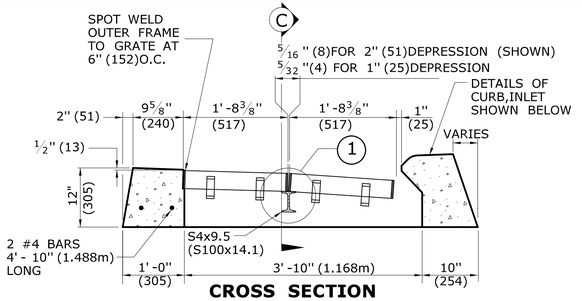
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

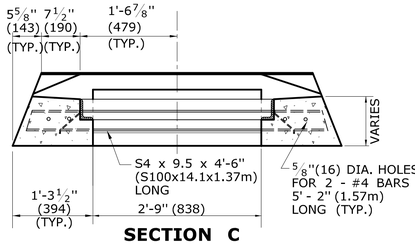
PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-20

SHEET NO.: 26

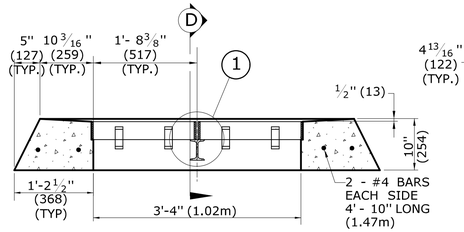


CROSS SECTION



SECTION C

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



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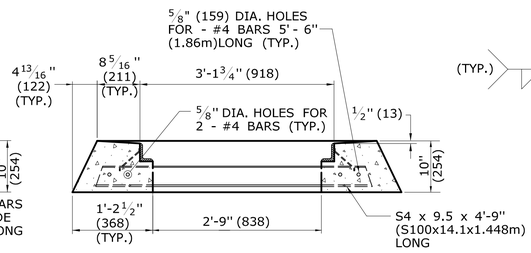
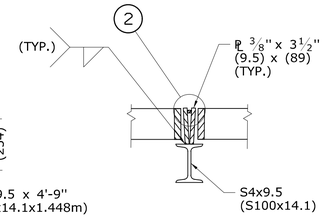
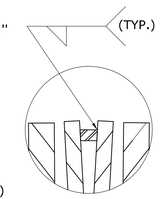


SECTION D

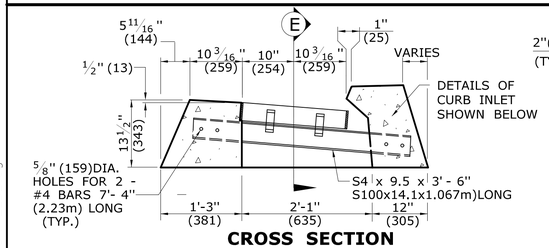


DETAIL "1"

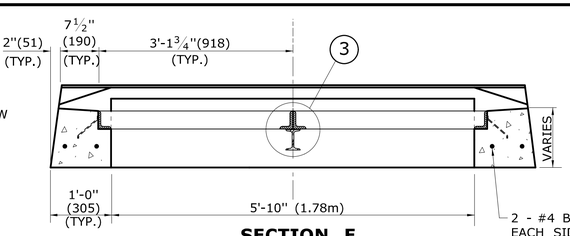


DETAIL "2"

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP

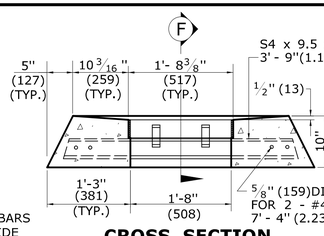


CROSS SECTION

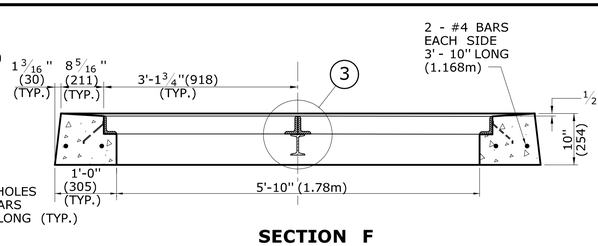


SECTION E

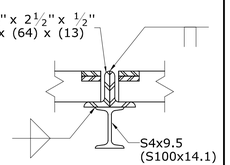
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP



CROSS SECTION

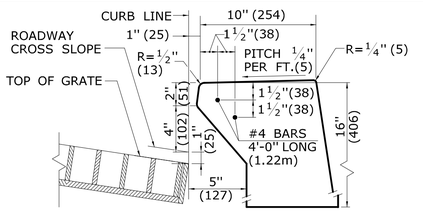


SECTION F

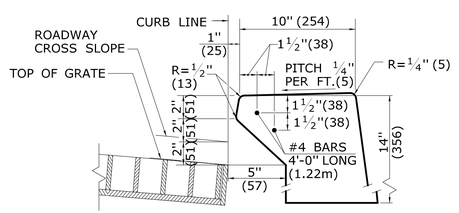


DETAIL "3"

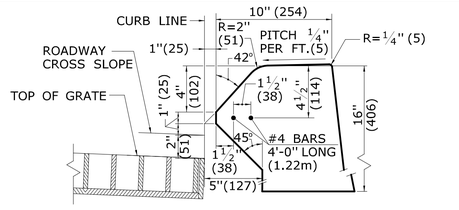
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



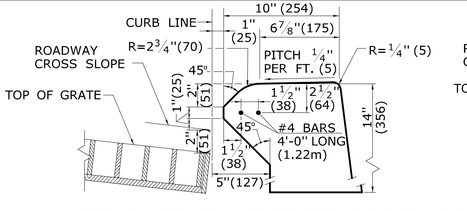
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB



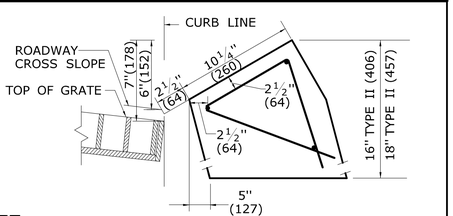
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



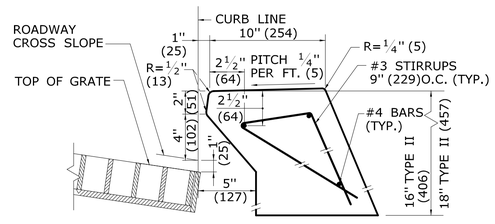
INLET WITH 6" (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



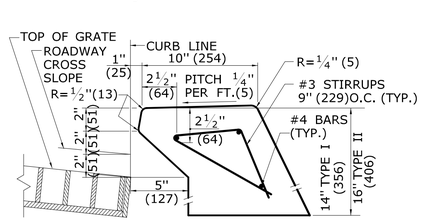
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB



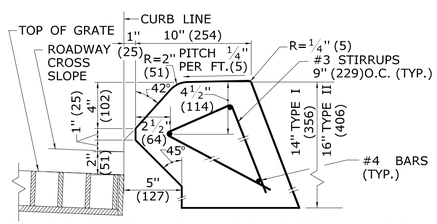
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



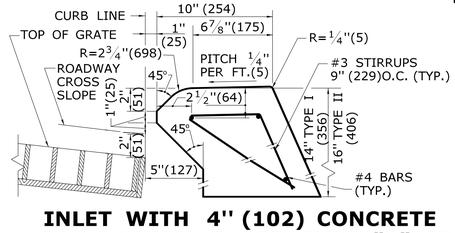
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



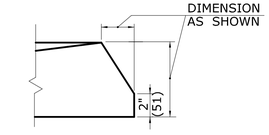
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



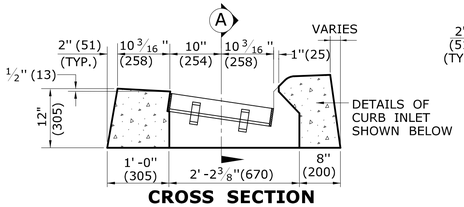
INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



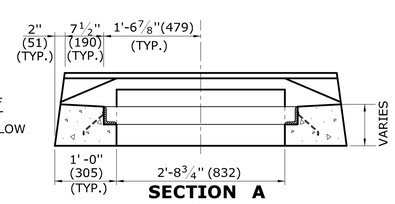
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

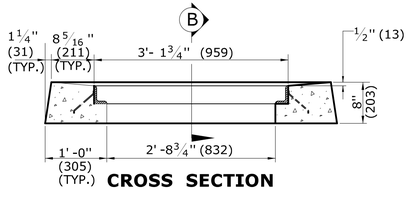


CROSS SECTION

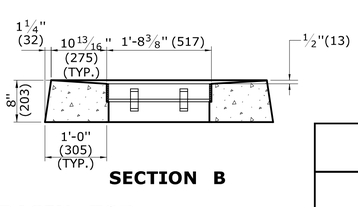


SECTION A

TYPE "C" CATCH BASIN TOP



CROSS SECTION



SECTION B

TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: TYPE "C" AND "C-L" CATCH BASIN TOPS AND CURBS

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

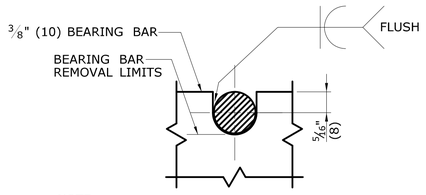
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

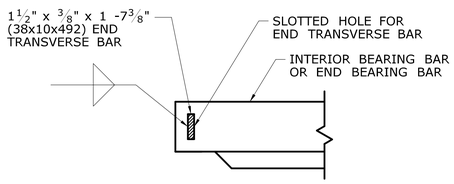
DRAWING NO.: MDS-21

SHEET NO.: 27

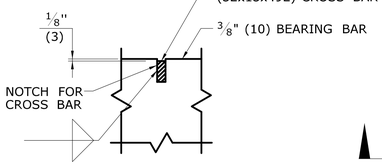


NOTE:
5/8" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

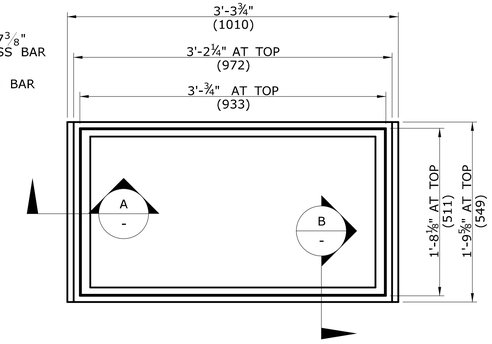
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A & B



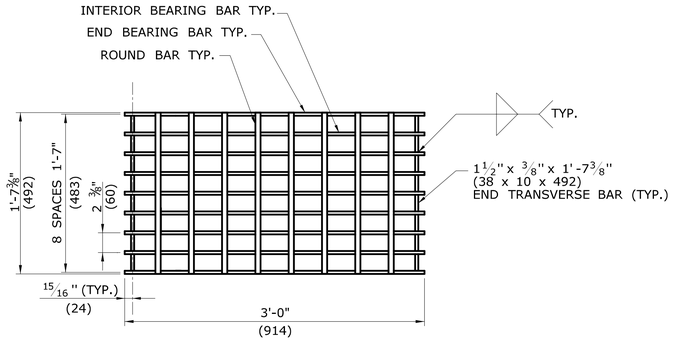
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



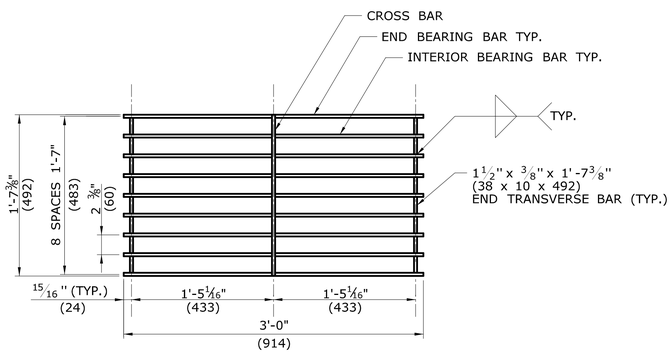
PLAN

GENERAL NOTES:

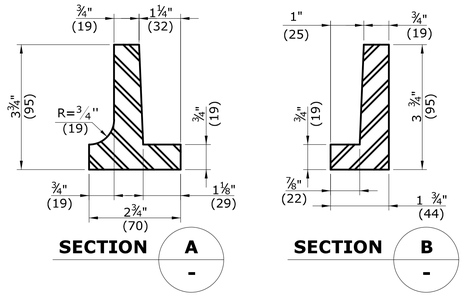
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. DO NOT GALVANIZE CAST IRON FRAMES.
6. DIMENSIONAL TOLERANCES SHALL BE ±1/16" (1.6).
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.



PLAN



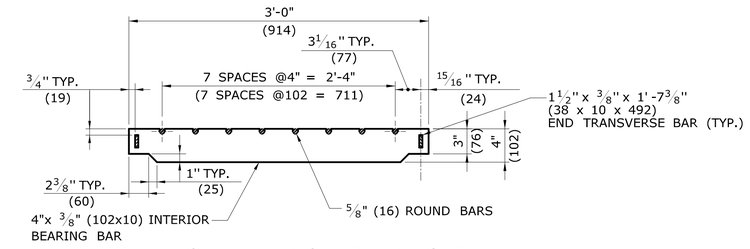
PLAN



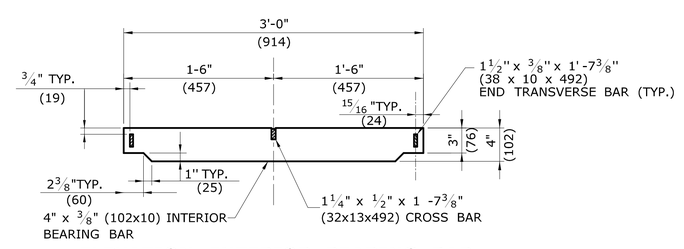
SECTION A -

SECTION B -

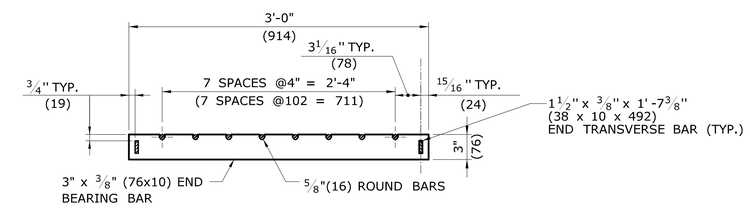
CAST IRON FRAME ALTERNATE



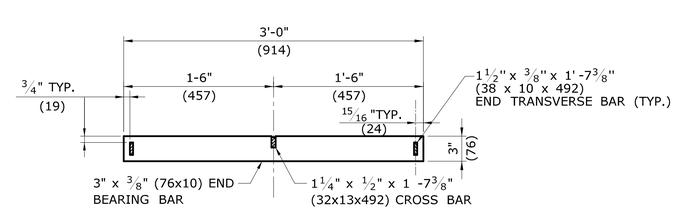
ELEVATION- INTERIOR BEARING BAR



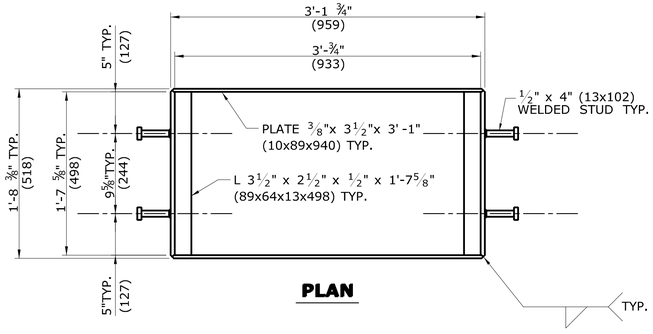
ELEVATION- INTERIOR BEARING BAR



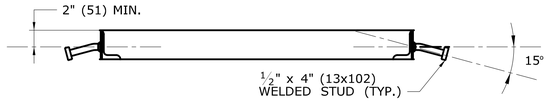
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: CATCH BASIN FRAMES AND GRATES

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

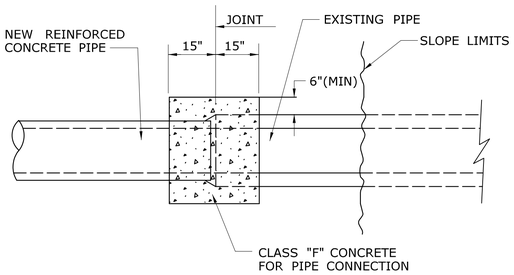
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

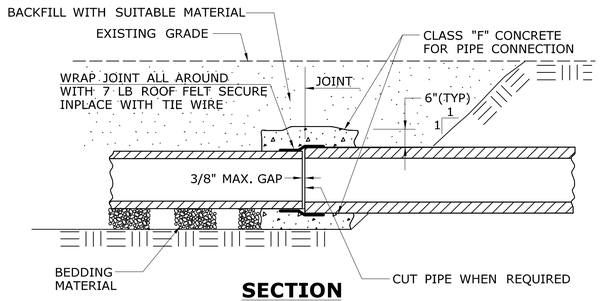
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-22

SHEET NO.: 28



PLAN

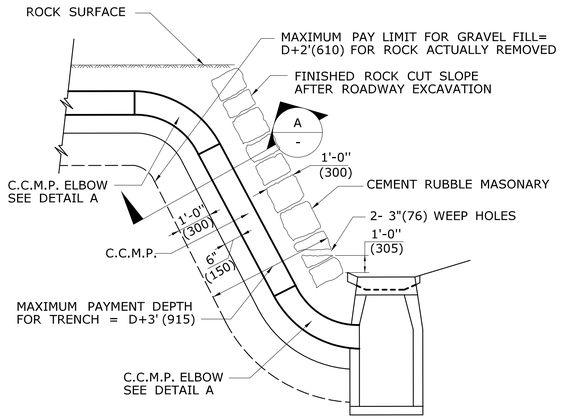


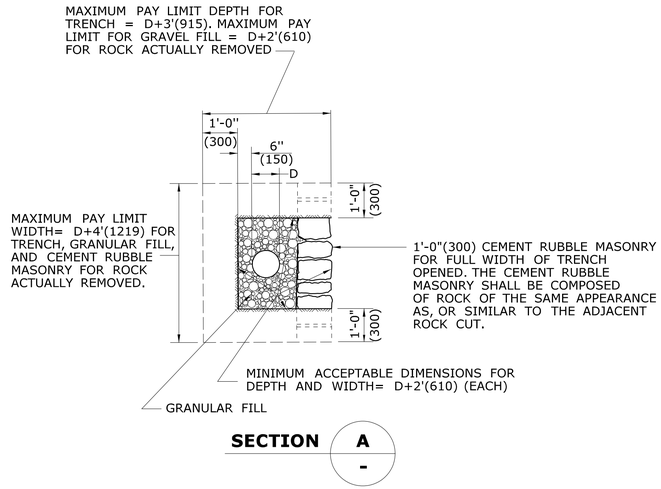
SECTION

CONCRETE PIPE CONNECTION

NOTES:

1. "CONCRETE PIPE CONNECTION" IS INTENDED FOR USE WHERE A REINFORCED CONCRETE PIPE REPAIR OR MODIFICATION IS NEEDED SOMEWHERE WITHIN A PIPE RUN WHERE A BELL/SPIGOT JOINT CANNOT BE ACHIEVED.
2. MAINTAIN INTERIOR ALIGNMENT OF PIPE AT JOINTS UNTIL CONCRETE IS PROPERLY CURED.
3. BACKFILL OF PIPE REPAIR WITH SUITABLE MATERIAL MAY NOT TAKE PLACE UNTIL CONCRETE IS PROPERLY CURED.
4. CONTRACTOR SHALL MAINTAIN LINE AND GRADE OF PIPE REPAIR OR MODIFICATION BY METHODS APPROVED BY THE ENGINEER.
5. HOLES OR GAPS AT JOINT LARGER THAN 3/8" SHALL BE FILLED OR WRAPED TO PREVENT CONCRETE FROM ENTERING PIPE.
6. TRENCH EXCAVATION SHALL BE TO THE MAXIMUM EXTENT NEEDED TO PERFORM WORK.





SECTION A - A

TYPICAL INSTALLATION OF C.C.M.P. IN ROCK SLOPE

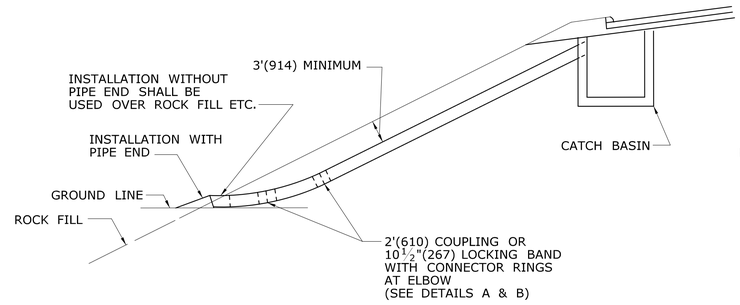
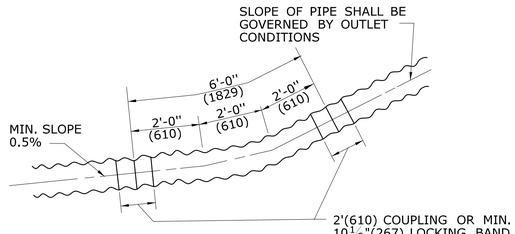


TABLE C

CONNECTOR RINGS

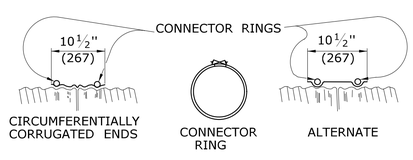
PIPE DIAMETER	LENGTH OF RING
12" (300)	52" (1321)
15" (381)	61" (1549)
18" (457)	71" (1803)
21" (533)	80" (2032)
24" (610)	90" (2286)
30" (762)	108" (2743)
36" (915)	128" (3251)
42" (1066)	147" (3734)
48" (1219)	166" (4216)

TYPICAL INSTALLATION OF C.C.M.P ELBOW IN FILL SLOPE



DETAIL A

C.C.M.P. ELBOW AND COUPLING



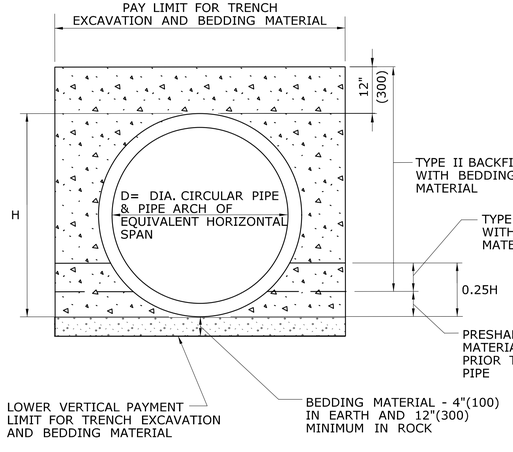
RODS: 7/16"(11) DIAMETER ELECTRO-GALVANIZED WITH 6"(152) LENGTH OF ½"(13) ROLLED THREADS EACH END, FURNISHED CURVED, TO FIT PIPE. SEE TABLE C

LUGS: DOUBLE TAKE UP, CAST IRON, ELECTRO-GALVINIZED.

NOTE: THE COUPLER FASTENING DEVICE SHALL NOT INTERFERE WITH INSTALLATION OF CONNECTOR RINGS.

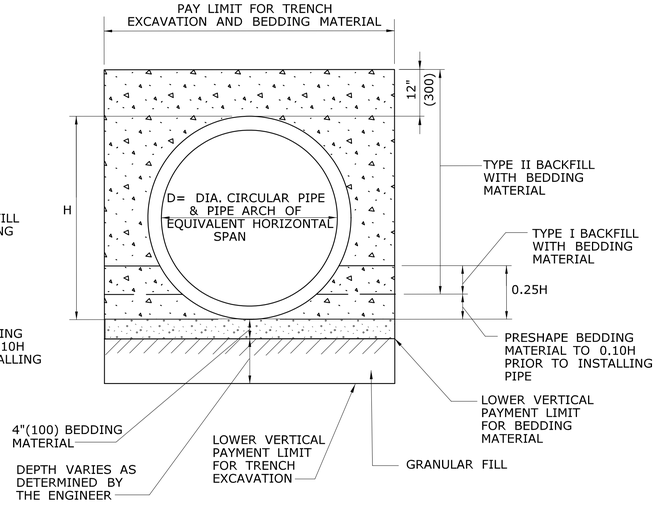
DETAIL B

ELBOW DIMENSIONS



PIPE TRENCH DETAIL

WHERE GRANULAR FILL IS NOT USED



PIPE TRENCH DETAIL

WHERE GRANULAR FILL IS USED AS BEDDING

GENERAL NOTES:

1. ROCK REMOVED BEYOND THE MAXIMUM PAY LIMIT SHOWN SHALL BE REPLACED WITH CEMENT RUBBLE MASONRY AND GRANULAR FILL.
2. FILL, AS REQUIRED TO CLOSE THE OPENING AS SHOWN ON THE PLANS, WILL BE AT THE CONTRACTORS EXPENSE. HOWEVER, THE PAY LIMIT LINES MAY BE MODIFIED TO COINCIDE WITH NATURAL FAULTS OR FISSURES OF ROCK AS THE ENGINEER MAY DETERMINE.
3. COATED CORRUGATED METAL PIPE (C.C.M.P.)

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: C.C.M. PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE DETAILS

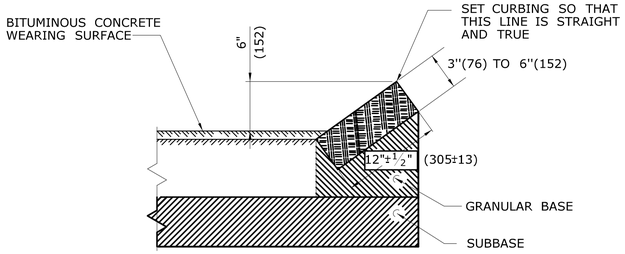
FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

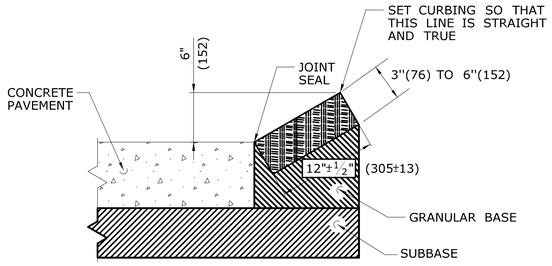
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-23

SHEET NO.: 29



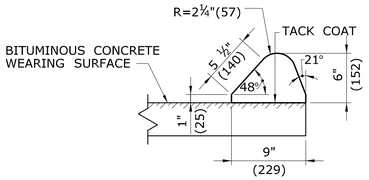
TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO BITUMINOUS CONCRETE SURFACES



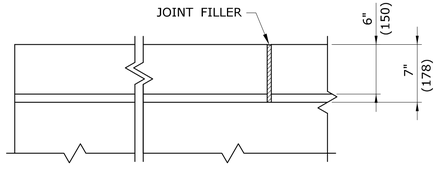
TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO CONCRETE SURFACES

GRANITE SLOPE CURBING

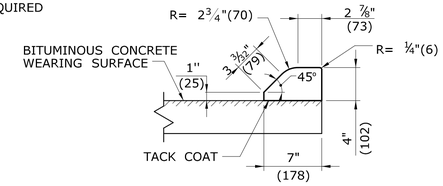
½"(13) MORTAR JOINT REQUIRED



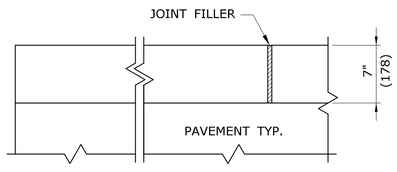
6"(150) BITUMINOUS CONCRETE LIP CURBING



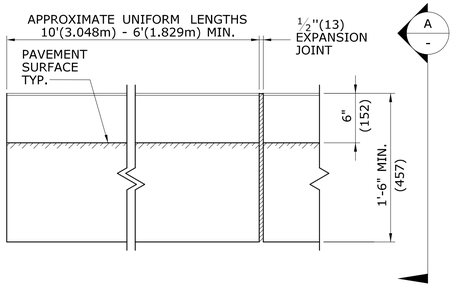
PLAN



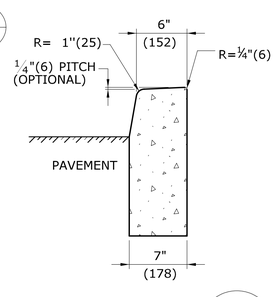
4"(100) BITUMINOUS CONCRETE PARK CURBING



PLAN

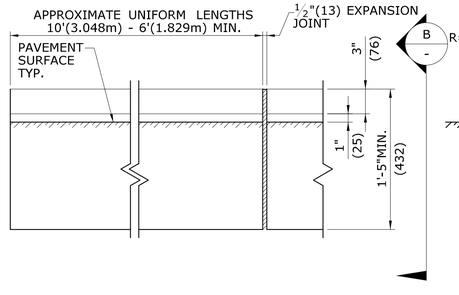


ELEVATION

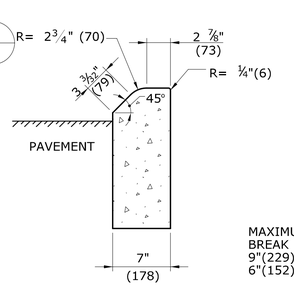


SECTION A -

6" (150) CONCRETE CURBING



ELEVATION

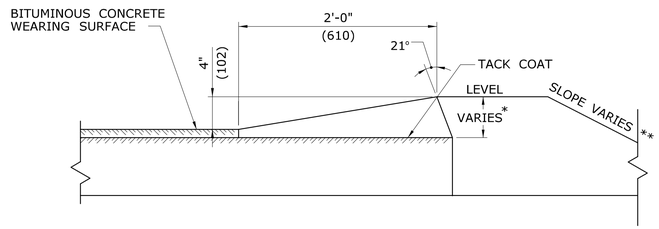


SECTION B -

4"(100) CONCRETE PARK CURBING

NOTE:

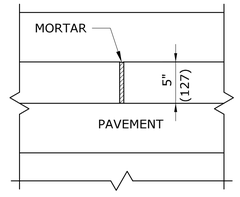
1. ALL CONSTRUCTION DIMENSIONS ARE NOMINAL.



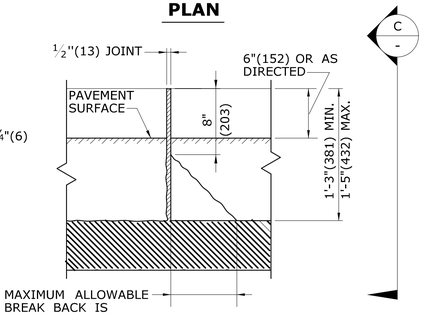
* THIS DIMENSION VARIES WITH THE THICKNESS OF THE TOP COURSE AND SLOPE OF SHOULDER.

** SEE TYPICAL SECTIONS FOR PROJECT. IN FILL AREAS 2'(610) LEVEL BEHIND THE CURB IS REQUIRED.

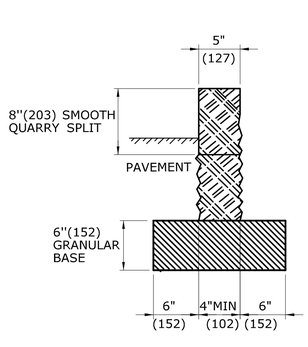
BITUMINOUS CONCRETE BERM



PLAN



ELEVATION



SECTION C -

GRANITE STONE CURBING

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: CURBING

FILE NAME:

PROJECT LEADER: SM
DESIGNED BY: AG

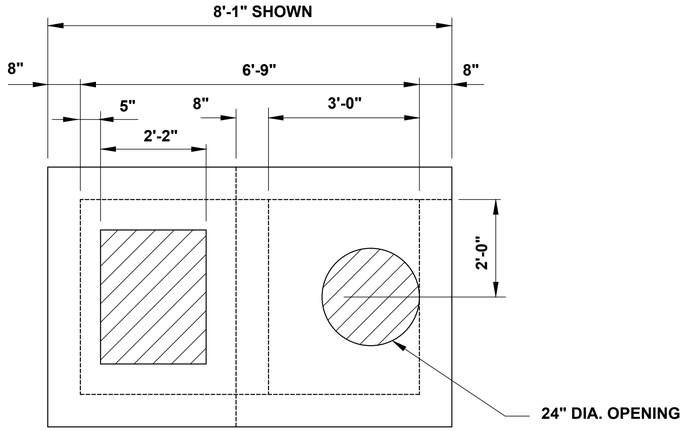
PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: MDS-24

SHEET NO.: 30

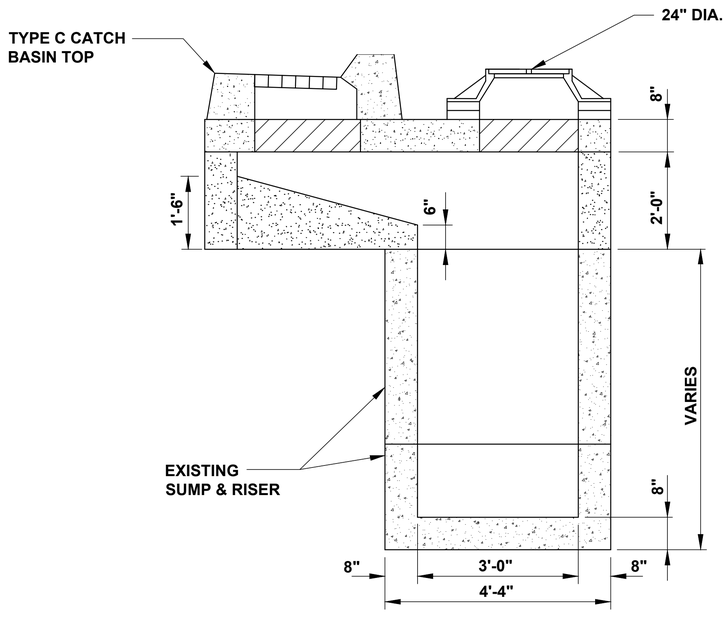
NOTES:

1. REINFORCING STEEL WELDED WIRE FABRIC CONFORM TO LATEST ASTM SPECIFICATION A185.
2. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615, GRADE 60.
3. CONCRETE COMPRESSIVE STRENGTH - 4,000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
4. METHOD OF MANUFACTURE: WET CAST.
5. DESIGN LOAD: AASHTO H-20.

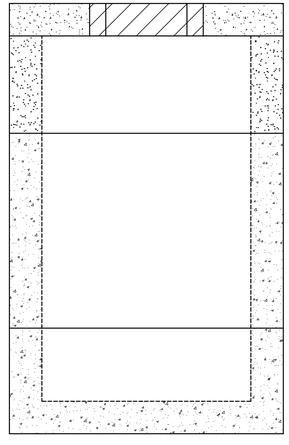


PLAN VIEW

(SHOWN W/O CATCH BASIN TOP)



CROSS SECTION

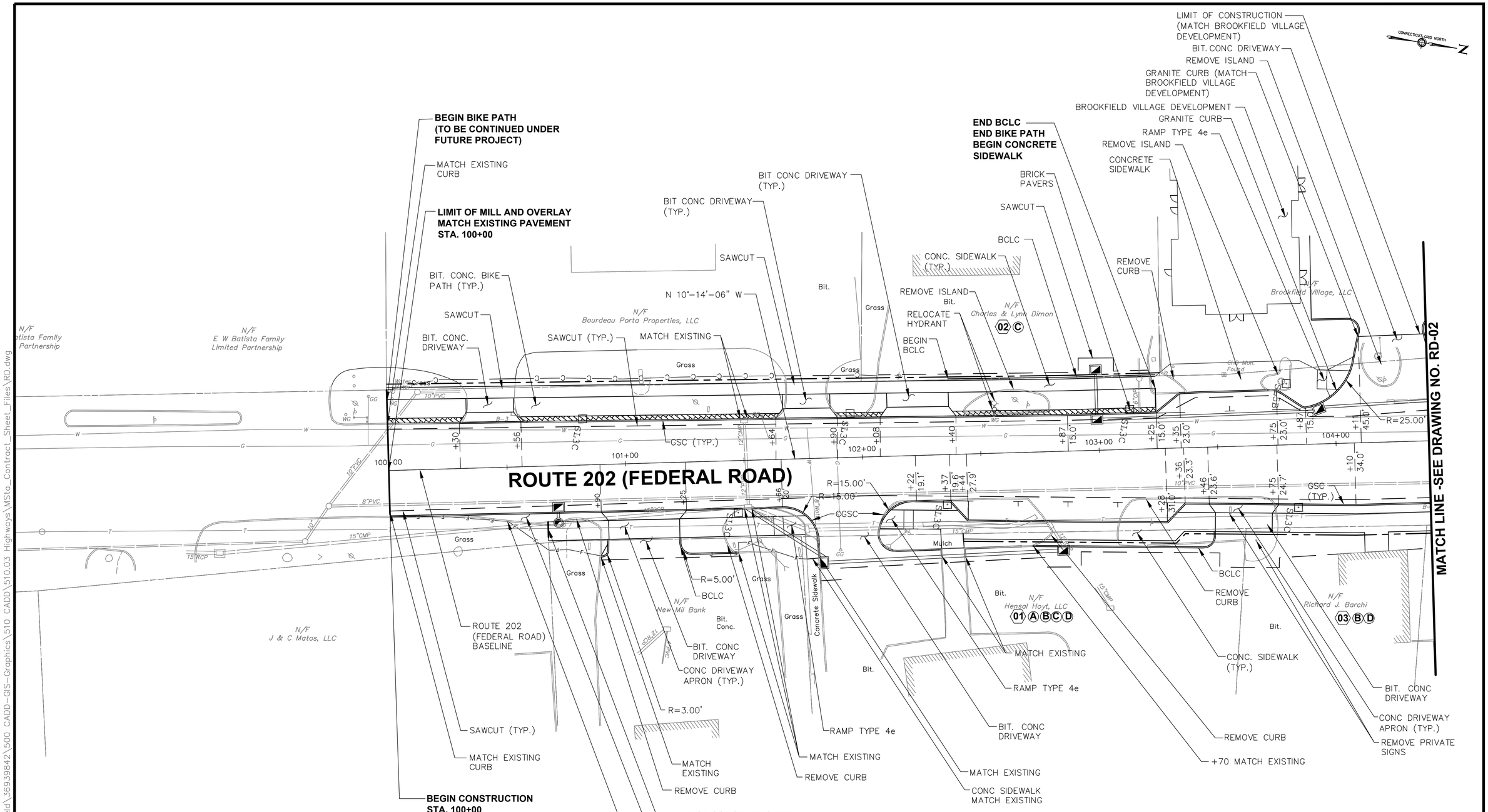


END VIEW

OFFSET TYPE "C" CATCH BASIN

(FEDERAL ROAD STA. 104+59.6, 16.3' RT)
NOT TO SCALE

TOWN OF BROOKFIELD, CT			
AECOM 500 ENTERPRISE DRIVE, SUITE 3B ROCKY HILL, CT 06067 (860) 529-8882	PROJECT NAME: TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN SHEET TITLE: MISCELLANEOUS DETAILS		DRAWING NO.: MDS-25
	FILE NAME:---- PROJECT LEADER: SM DESIGNED BY: AG	PLOT DATE: 4/20/2016 DRAWN BY: AG CHECKED BY: PG	SHEET NO.: 31



NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

LEGEND:

BRICK PAVERS

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **ROADWAY PLAN, SHEET 1**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **RD-01**
SHEET NO.: 32

Wednesday, January 11, 2017 11:04 AM
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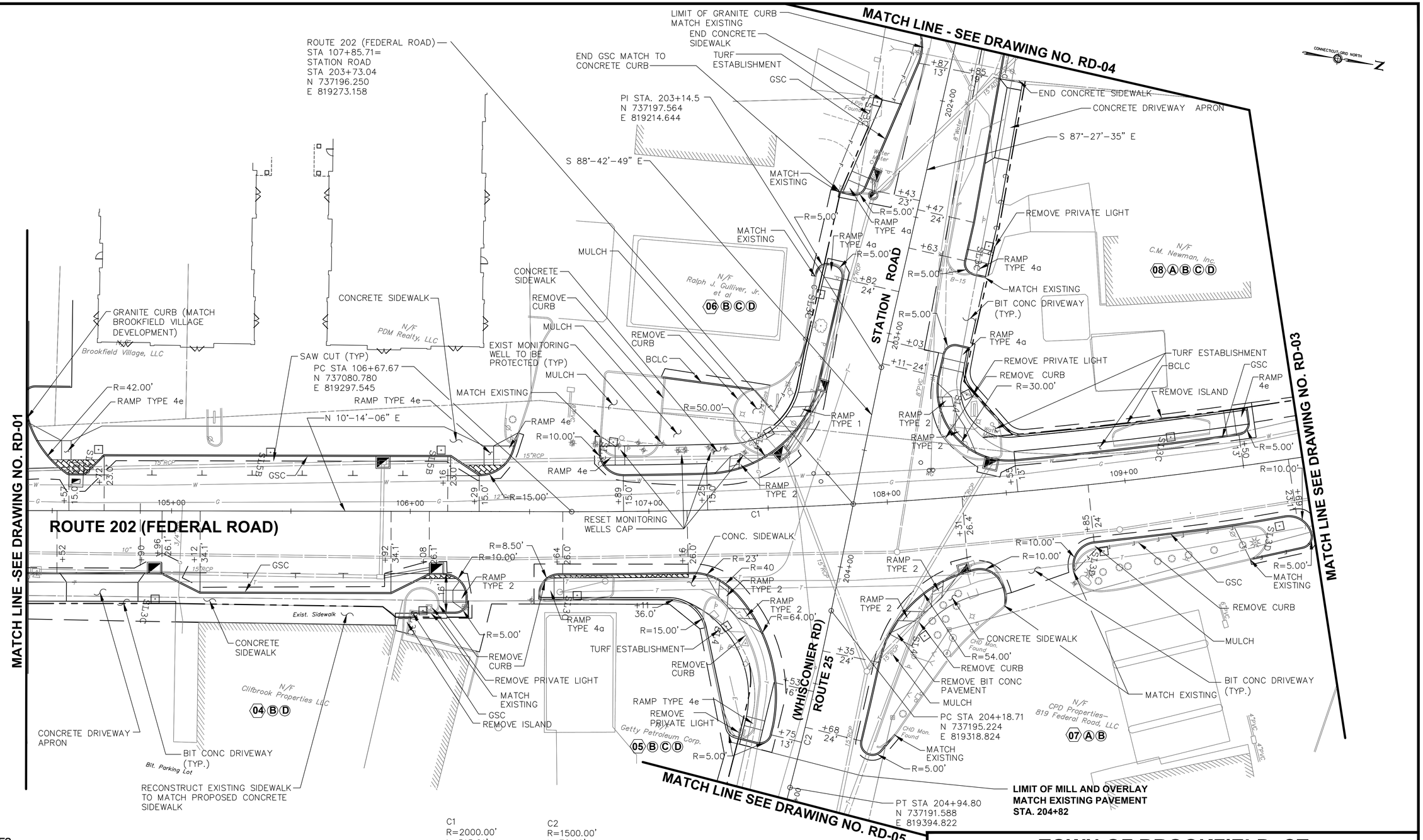


NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

LEGEND:

BRICK PAVERS

C1
R=2000.00'
L=515.61'
T=259.24
Δ=14°-46'-16"
PI= N 737335.900
E 819251.481

C2
R=1500.00'
L=76.09'
=38.05
Δ=02°-54'-24"
PI N 737194.370
E 819356.869

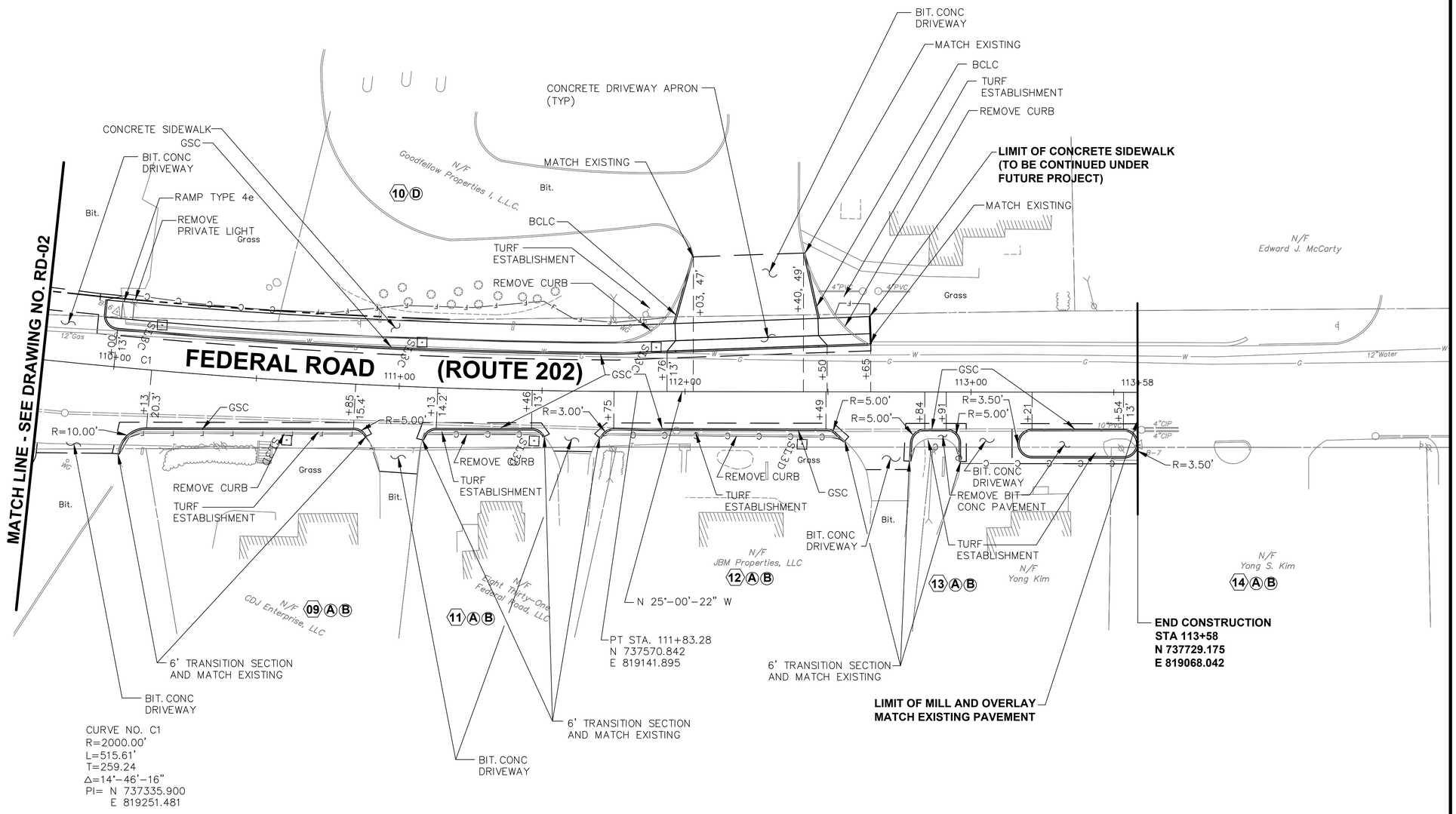
GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **ROADWAY PLAN, SHEET 2**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **RD-02**
SHEET NO.: 33



NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

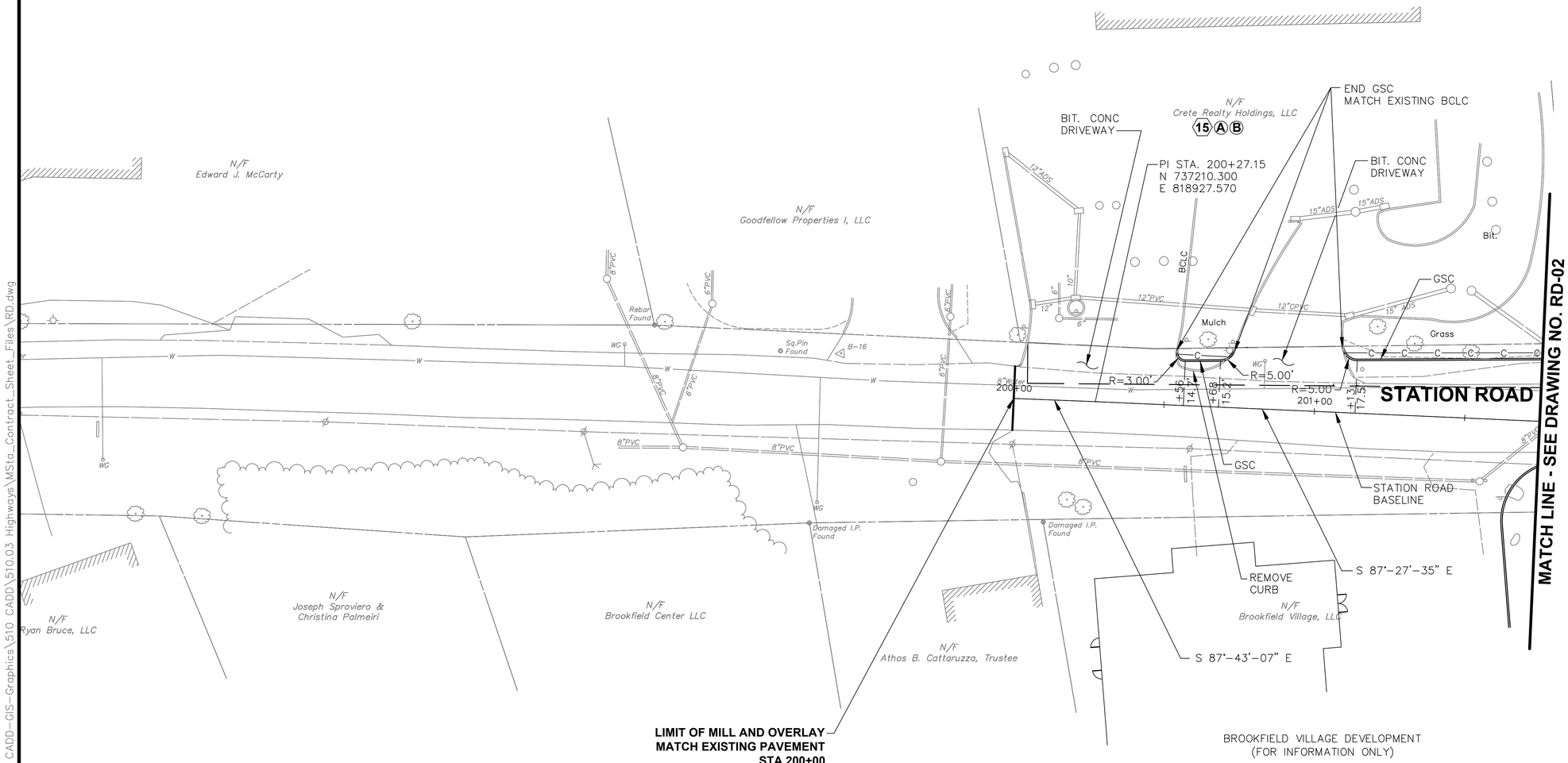
GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **ROADWAY PLAN, SHEET 3**

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **RD-03**
SHEET NO.: 34



NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **ROADWAY PLAN, SHEET 4**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **RD-04**
SHEET NO.: 35

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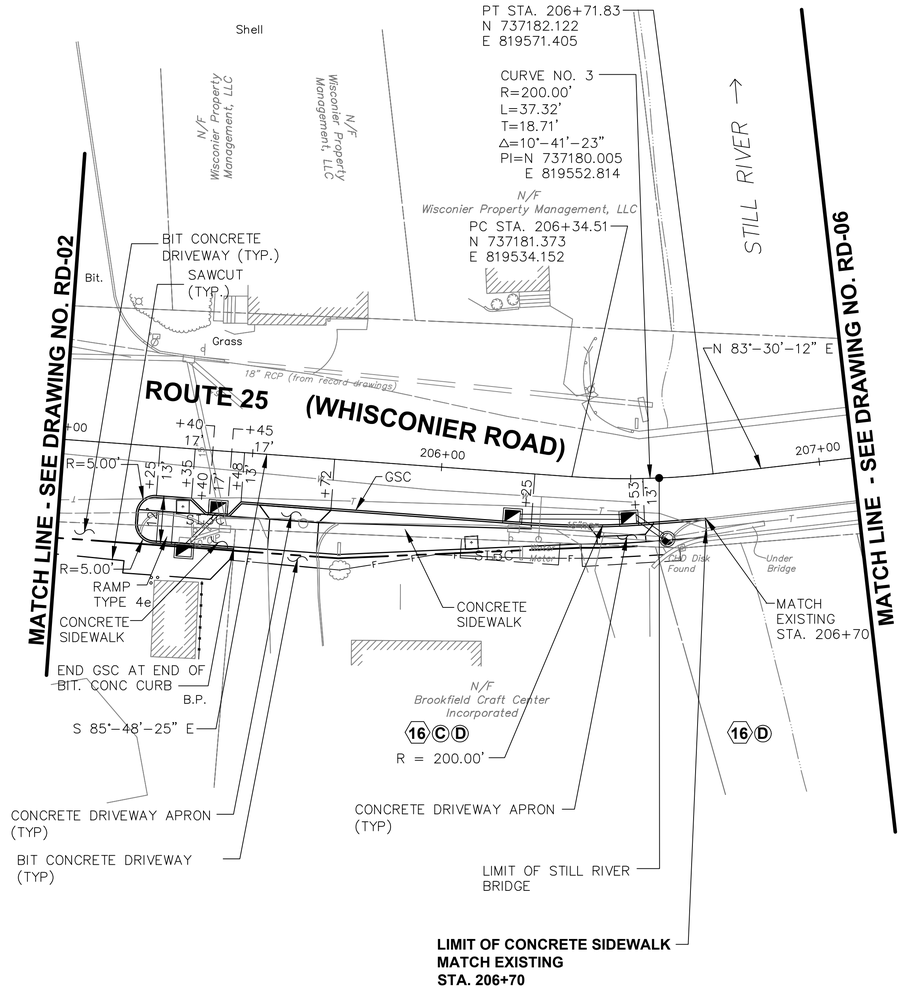

NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**
SHEET TITLE: **ROADWAY PLAN, SHEET 5**

FILE NAME:----		PLOT DATE: 4/20/2016	DRAWING NO.: RD-05
PROJECT LEADER:	SM	DRAWN BY: AG	SHEET NO.: 36
DESIGNED BY:	AG	CHECKED BY: PG	

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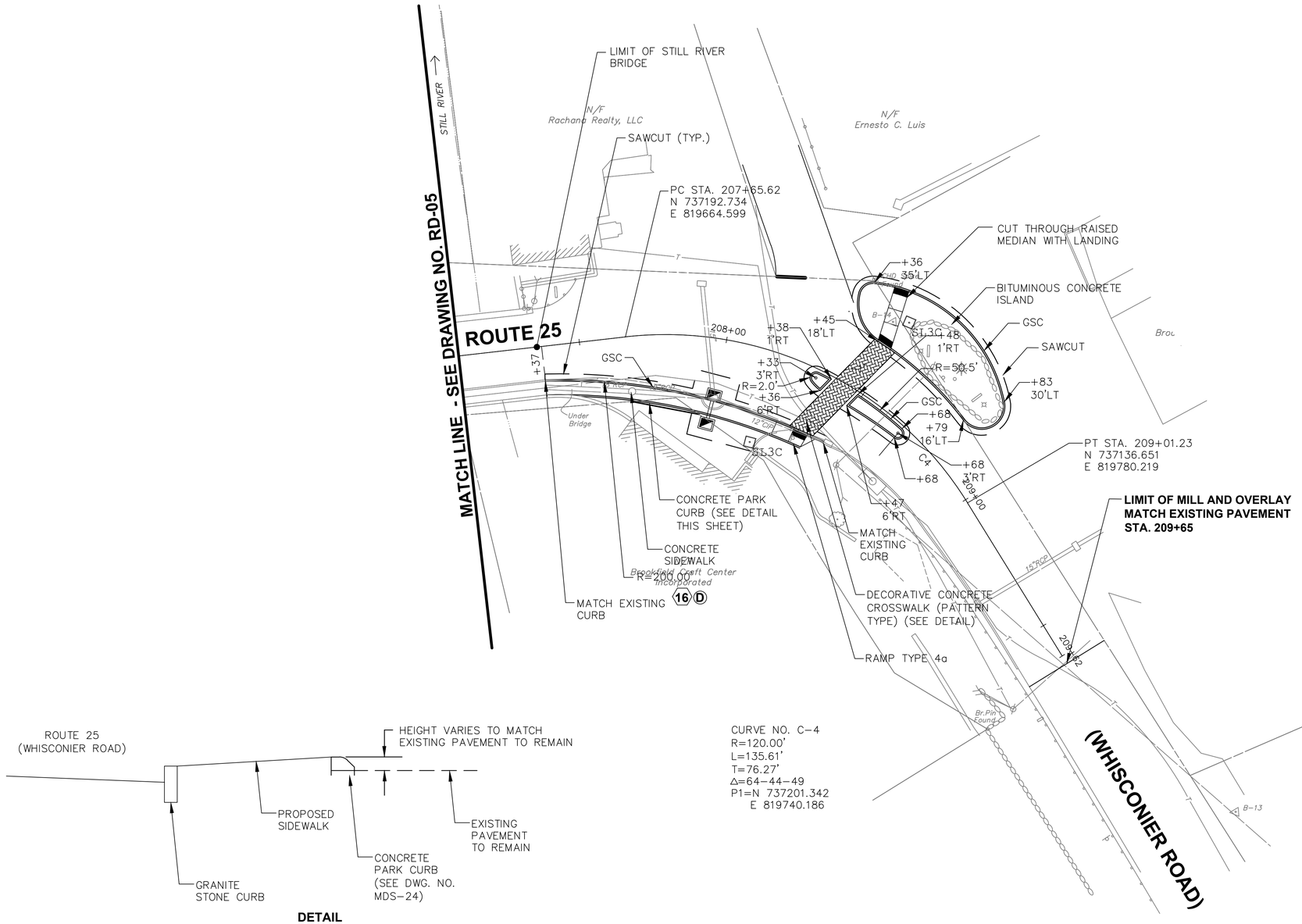


ROUTE 25
(WHISCONIER ROAD)

HEIGHT VARIES TO MATCH EXISTING PAVEMENT TO REMAIN

PROPOSED SIDEWALK

EXISTING PAVEMENT TO REMAIN

CONCRETE PARK CURB (SEE DWG. NO. MDS-24)

GRANITE STONE CURB

DETAIL

CURVE NO. C-4
R=120.00'
L=135.61'
T=76.27'
Δ=64-44-49
P1=N 737201.342
E 819740.186

NOTES:

1. TYPICAL WALKWAY SHALL COMPLY WITH THE FOLLOWING:
   a. SURFACE MATERIAL TO MATCH EXISTING TYPE.
   b. MAINTAIN WHERE POSSIBLE EXISTING SLOPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **ROADWAY PLAN, SHEET 6**

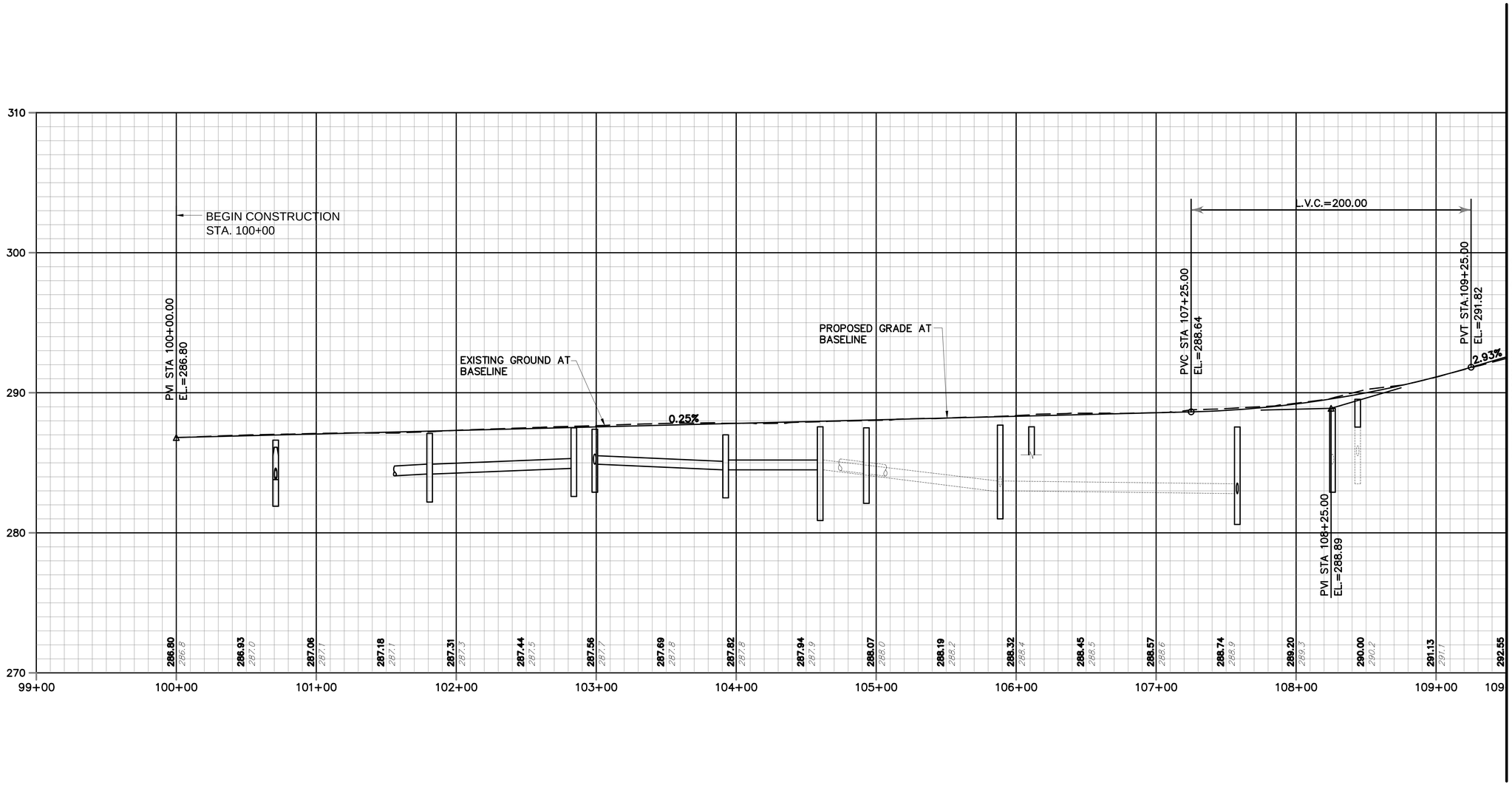
FILE NAME:----

PLOT DATE: 4/20/2016

PROJECT LEADER: SM
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **RD-06**

SHEET NO.: 37



GRAPHIC SCALE

HORIZONTAL SCALE IN FEET
40 20 0 40

VERTICAL SCALE IN FEET
4 2 0 4

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD PROFILE, SHEET 1**

FILE NAME:----

PLOT DATE: 4/20/2016

PROJECT LEADER: SM

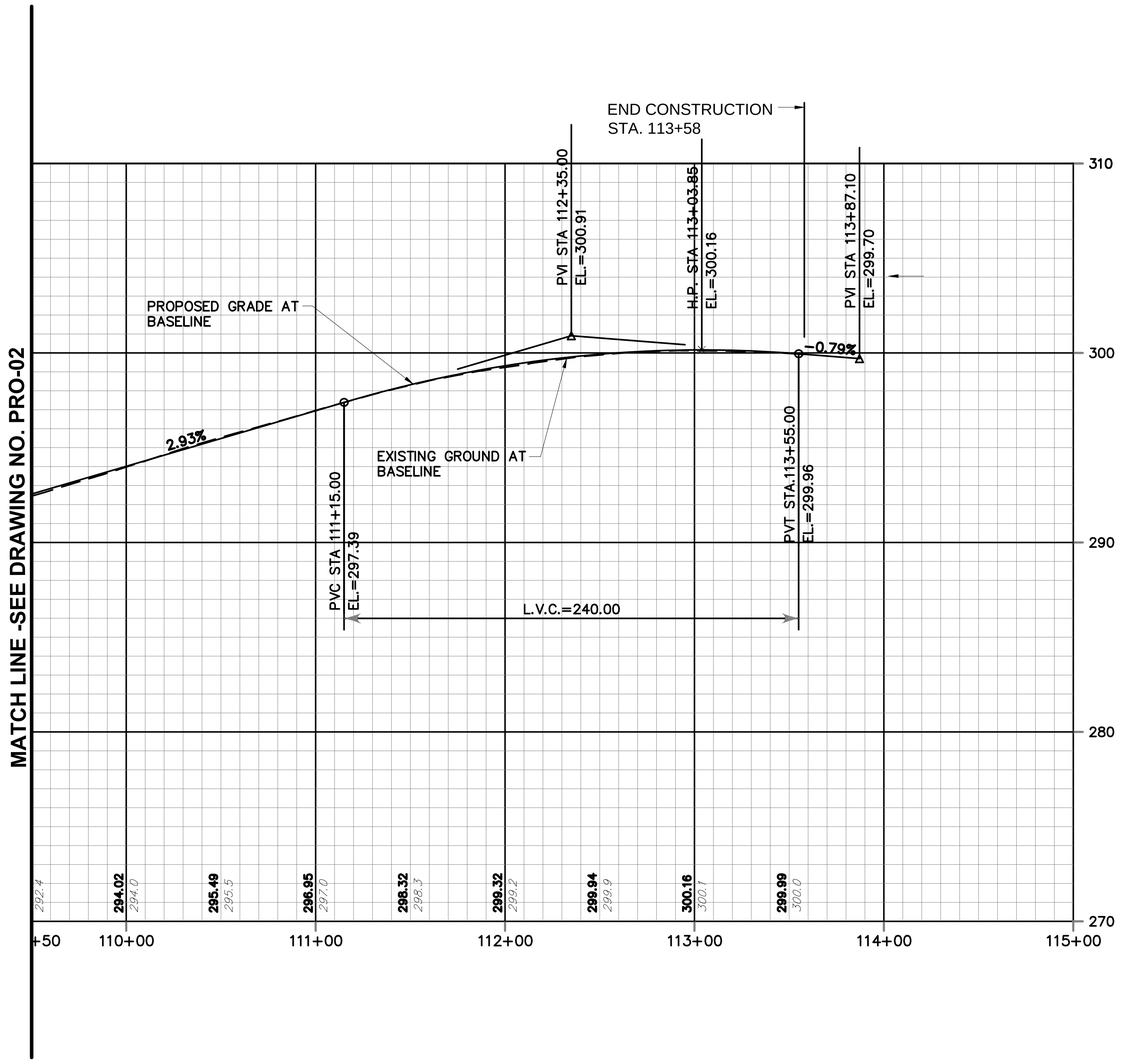
DESIGNED BY: AG

DRAWN BY: AG

CHECKED BY: PG

DRAWING NO.: **PRO-01**

SHEET NO.: 38



GRAPHIC SCALE

HORIZONTAL SCALE IN FEET
40 20 0 40

VERTICAL SCALE IN FEET
4 2 0 4

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD PROFILE, SHEET 2**

FILE NAME:----

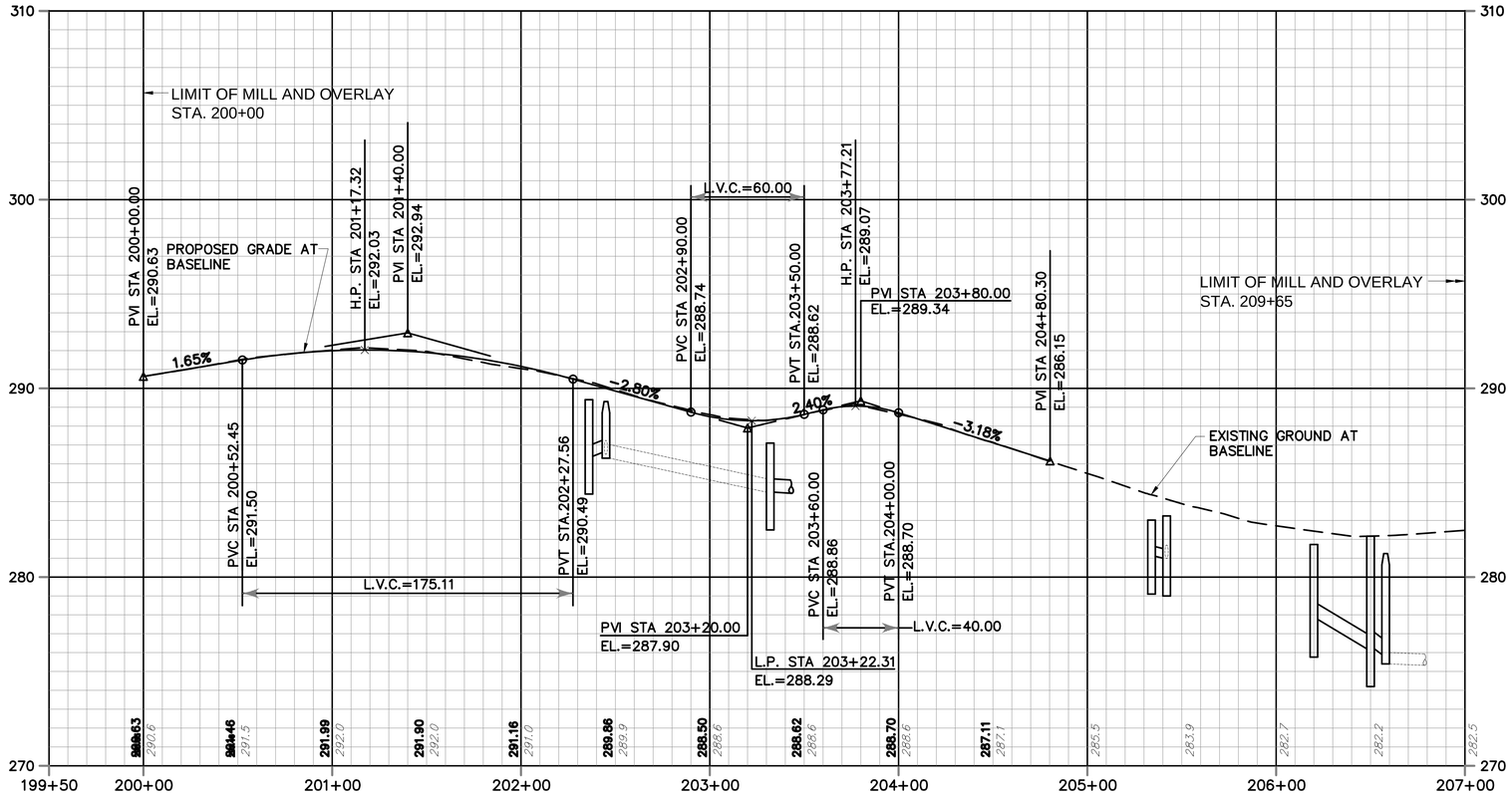
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016

DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **PRO-02**

SHEET NO.: 39



GRAPHIC SCALE

HORIZONTAL SCALE IN FEET
40 20 0 40

VERTICAL SCALE IN FEET
4 2 0 4

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **STATION & WHISICONIER ROAD PROFILE, SHEET 3**

FILE NAME:----

PLOT DATE:4/20/2016

PROJECT LEADER: SM

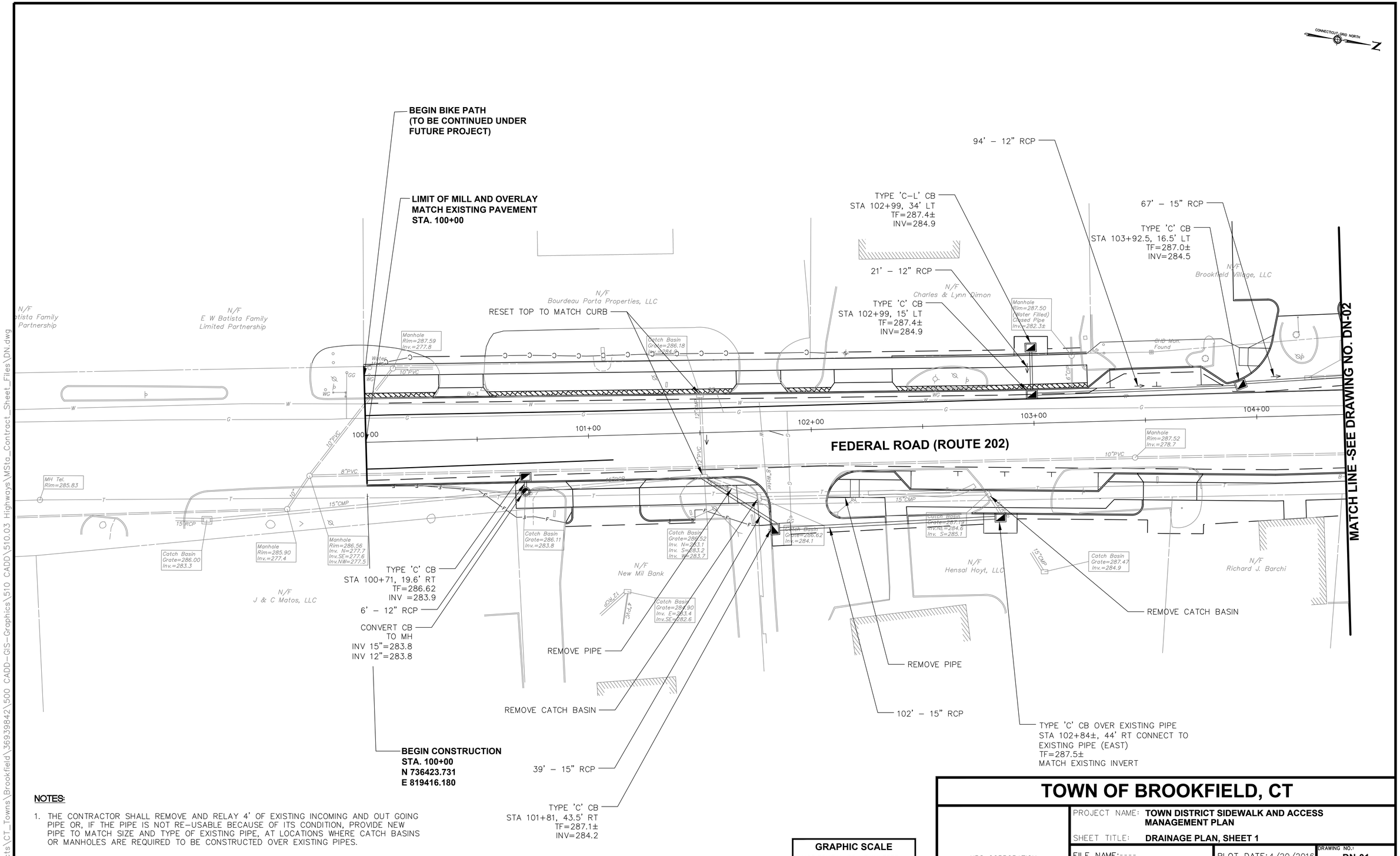
DESIGNED BY: AG

DRAWN BY: AG

CHECKED BY: PG

DRAWING NO.: **PRO-03**

SHEET NO.: 40



NOTES:

1. THE CONTRACTOR SHALL REMOVE AND RELAY 4' OF EXISTING INCOMING AND OUT GOING PIPE OR, IF THE PIPE IS NOT RE–USABLE BECAUSE OF ITS CONDITION, PROVIDE NEW PIPE TO MATCH SIZE AND TYPE OF EXISTING PIPE, AT LOCATIONS WHERE CATCH BASINS OR MANHOLES ARE REQUIRED TO BE CONSTRUCTED OVER EXISTING PIPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **DRAINAGE PLAN, SHEET 1**

FILE NAME:----

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016

DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **DN-01**

SHEET NO.: 41

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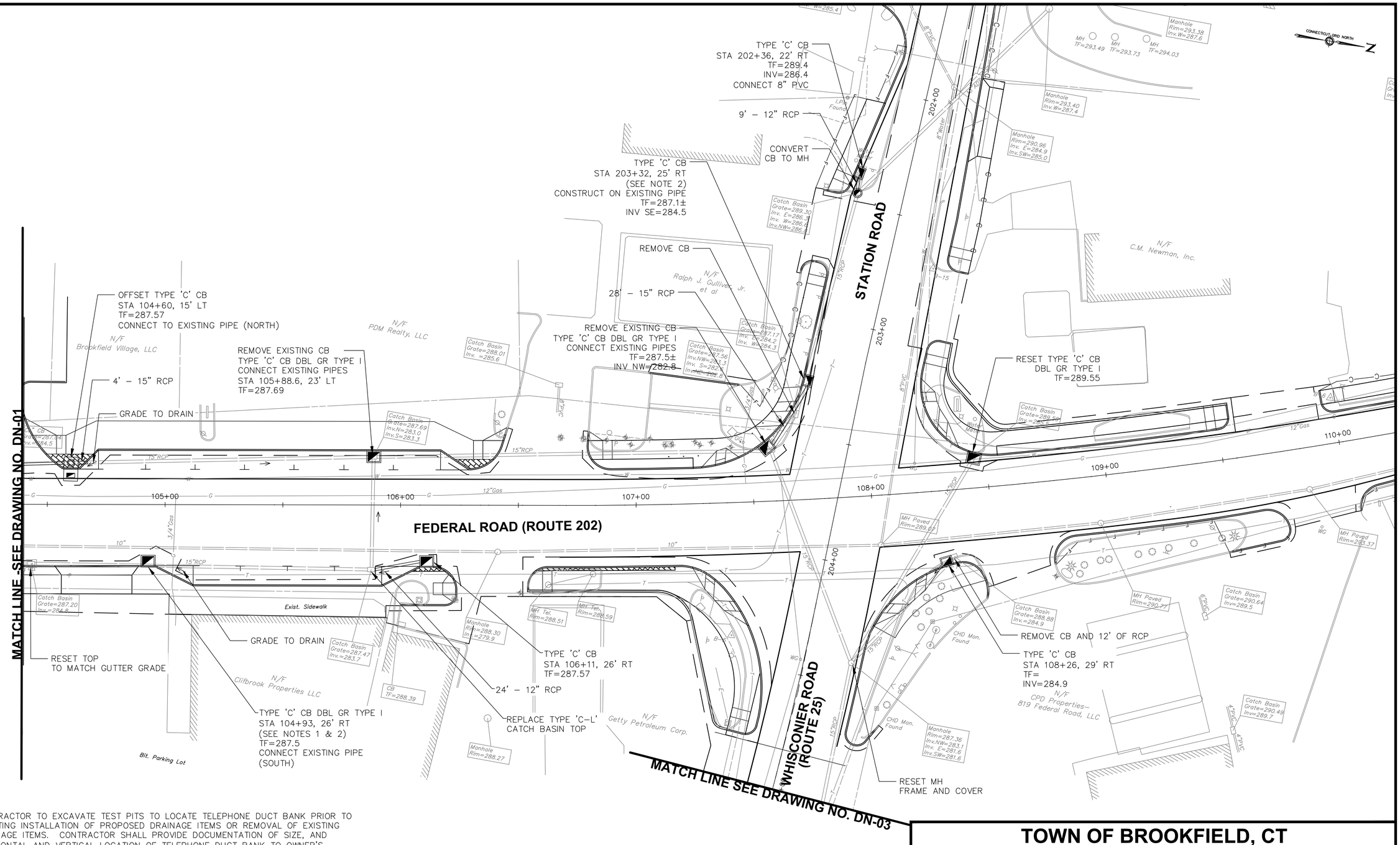


NOTES:

1. CONTRACTOR TO EXCAVATE TEST PITS TO LOCATE TELEPHONE DUCT BANK PRIOR TO STARTING INSTALLATION OF PROPOSED DRAINAGE ITEMS OR REMOVAL OF EXISTING DRAINAGE ITEMS. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF SIZE, AND HORIZONTAL AND VERTICAL LOCATION OF TELEPHONE DUCT BANK TO OWNER'S REPRESENTATIVE IMMEDIATELY UPON OBTAINING THE INFORMATION.

2. THE CONTRACTOR SHALL REMOVE AND RELAY 4' OF EXISTING INCOMING AND OUT GOING PIPE OR, IF THE PIPE IS NOT RE–USABLE BECAUSE OF ITS CONDITION, PROVIDE NEW PIPE TO MATCH SIZE AND TYPE OF EXISTING PIPE, AT LOCATIONS WHERE CATCH BASINS OR MANHOLES ARE REQUIRED TO BE CONSTRUCTED OVER EXISTING PIPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **DRAINAGE PLAN, SHEET 2**

FILE NAME:----

PLOT DATE: 4/20/2016

PROJECT LEADER: SM

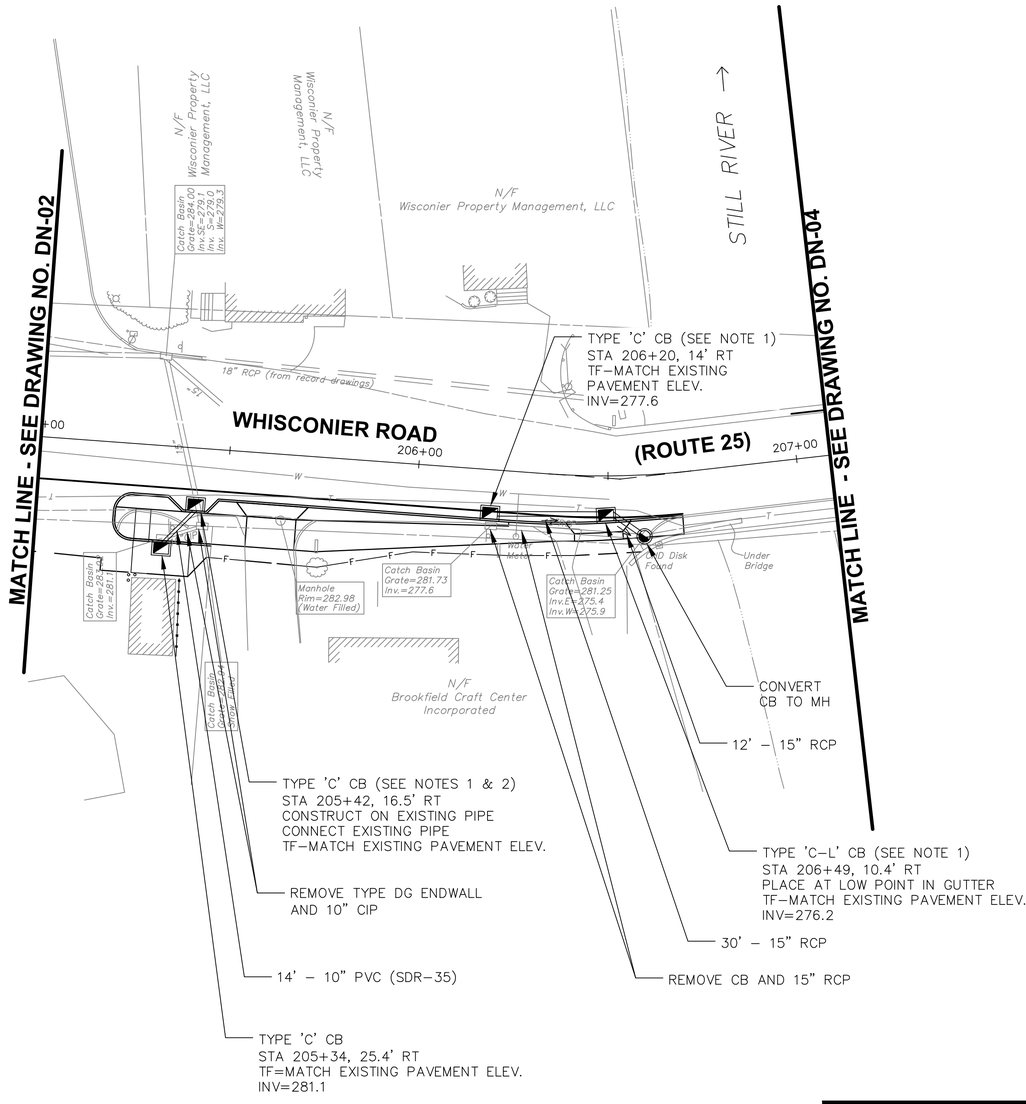
DESIGNED BY: AG

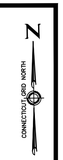
DRAWN BY: AG

CHECKED BY: PG

DRAWING NO.: **DN-02**

SHEET NO.: 42





NOTES:

1. CONTRACTOR TO EXCAVATE TEST PITS TO LOCATE TELEPHONE DUCT BANK PRIOR TO STARTING INSTALLATION OF PROPOSED DRAINAGE ITEMS OR REMOVAL OF EXISTING DRAINAGE ITEMS. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF SIZE, AND HORIZONTAL AND VERTICAL LOCATION OF TELEPHONE DUCT BANK TO OWNER'S REPRESENTATIVE IMMEDIATELY UPON OBTAINING THE INFORMATION.

2. THE CONTRACTOR SHALL REMOVE AND RELAY 4' OF EXISTING INCOMING AND OUT GOING PIPE OR, IF THE PIPE IS NOT RE-USABLE BECAUSE OF ITS CONDITION, PROVIDE NEW PIPE TO MATCH SIZE AND TYPE OF EXISTING PIPE, AT LOCATIONS WHERE CATCH BASINS OR MANHOLES ARE REQUIRED TO BE CONSTRUCTED OVER EXISTING PIPES.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **DRAINAGE PLAN, SHEET 3**

FILE NAME:----

PLOT DATE:4/20/2016

PROJECT LEADER: SM

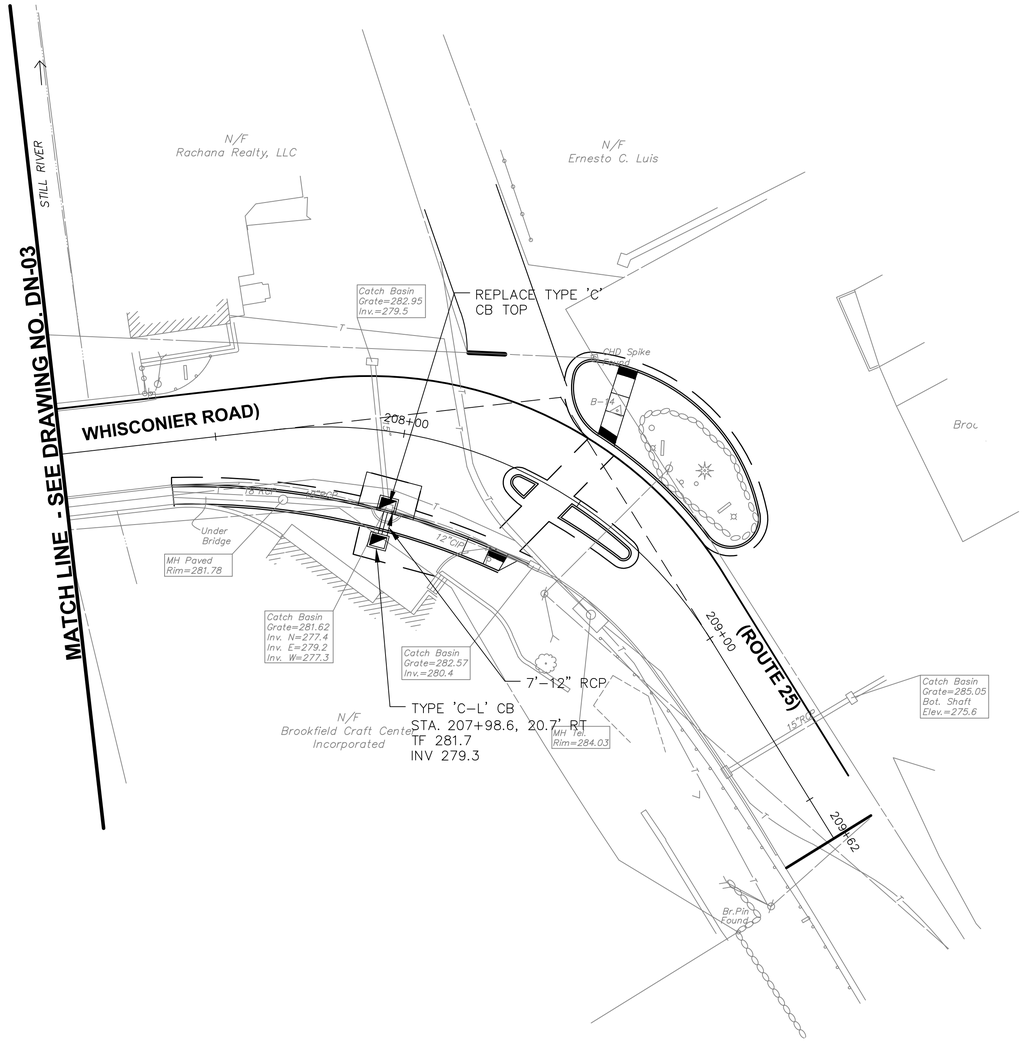
DRAWN BY: AG

DESIGNED BY: AG

CHECKED BY: PG

DRAWING NO.: **DN-03**

SHEET NO.: 43



N

CONNECTICUT GRID NORTH

GRAPHIC SCALE

HORIZONTAL SCALE IN FEET

20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **DRAINAGE PLAN, SHEET 4**

FILE NAME:----

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016

DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **DN-04**

SHEET NO.: 44

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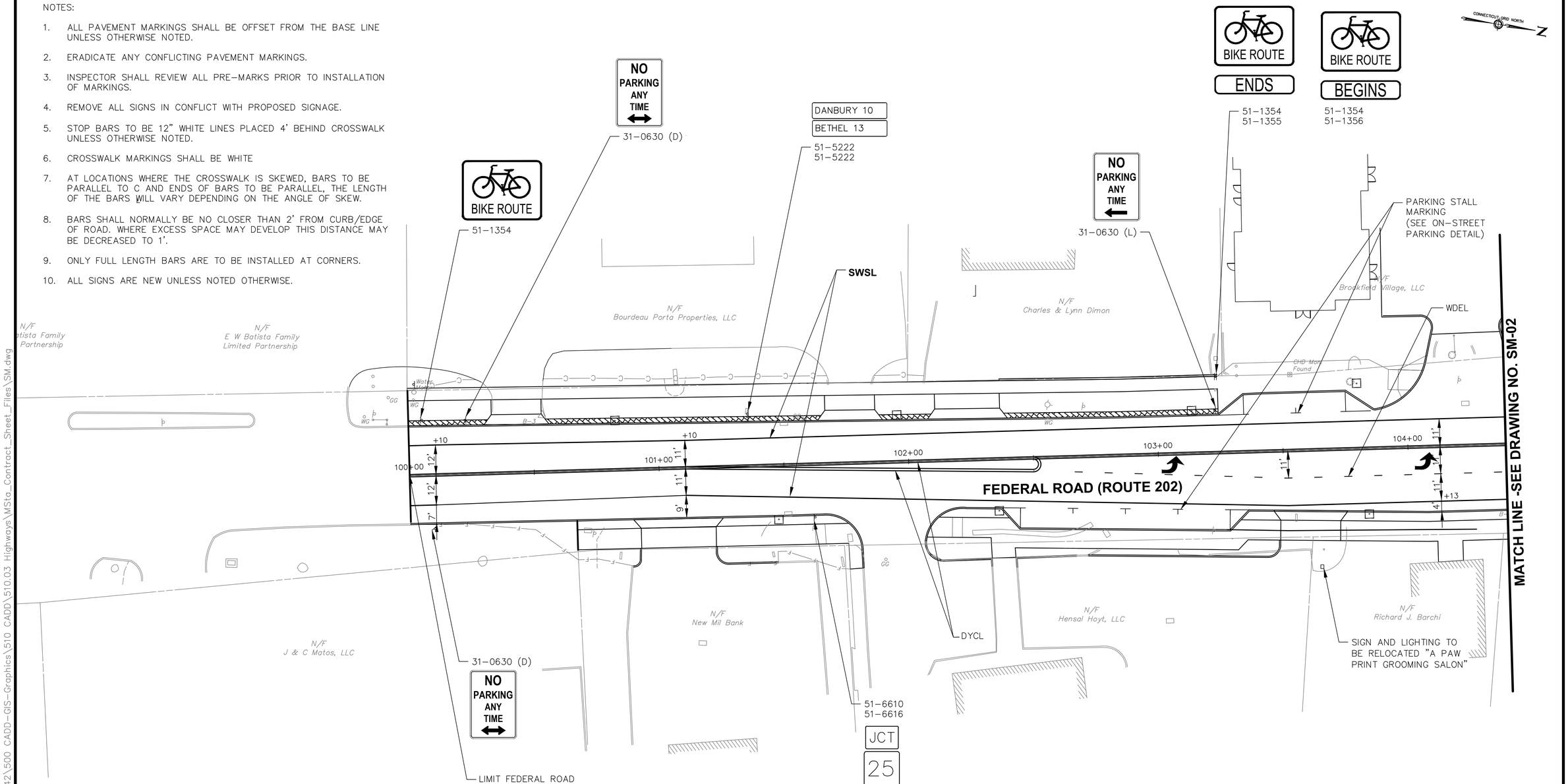
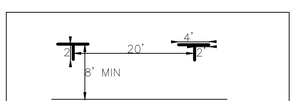
NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE OFFSET FROM THE BASE LINE UNLESS OTHERWISE NOTED.
2. ERADICATE ANY CONFLICTING PAVEMENT MARKINGS.
3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
4. REMOVE ALL SIGNS IN CONFLICT WITH PROPOSED SIGNAGE.
5. STOP BARS TO BE 12" WHITE LINES PLACED 4' BEHIND CROSSWALK UNLESS OTHERWISE NOTED.
6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO C AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.



PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WTA	WHITE TURN ARROW
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3' LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16" WIDE BARS, 24" WIDE SPACE)



ON-STREET PARKING DETAIL

*ALL PARKING PAVEMENT MARKINGS WILL USE 4" WIDE WHITE LINES

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE **SIGNAGE & PAVEMENT MARKING PLAN, SHEET 1**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **SM-01**
SHEET NO.: 45

01/11/2017 11:18:54
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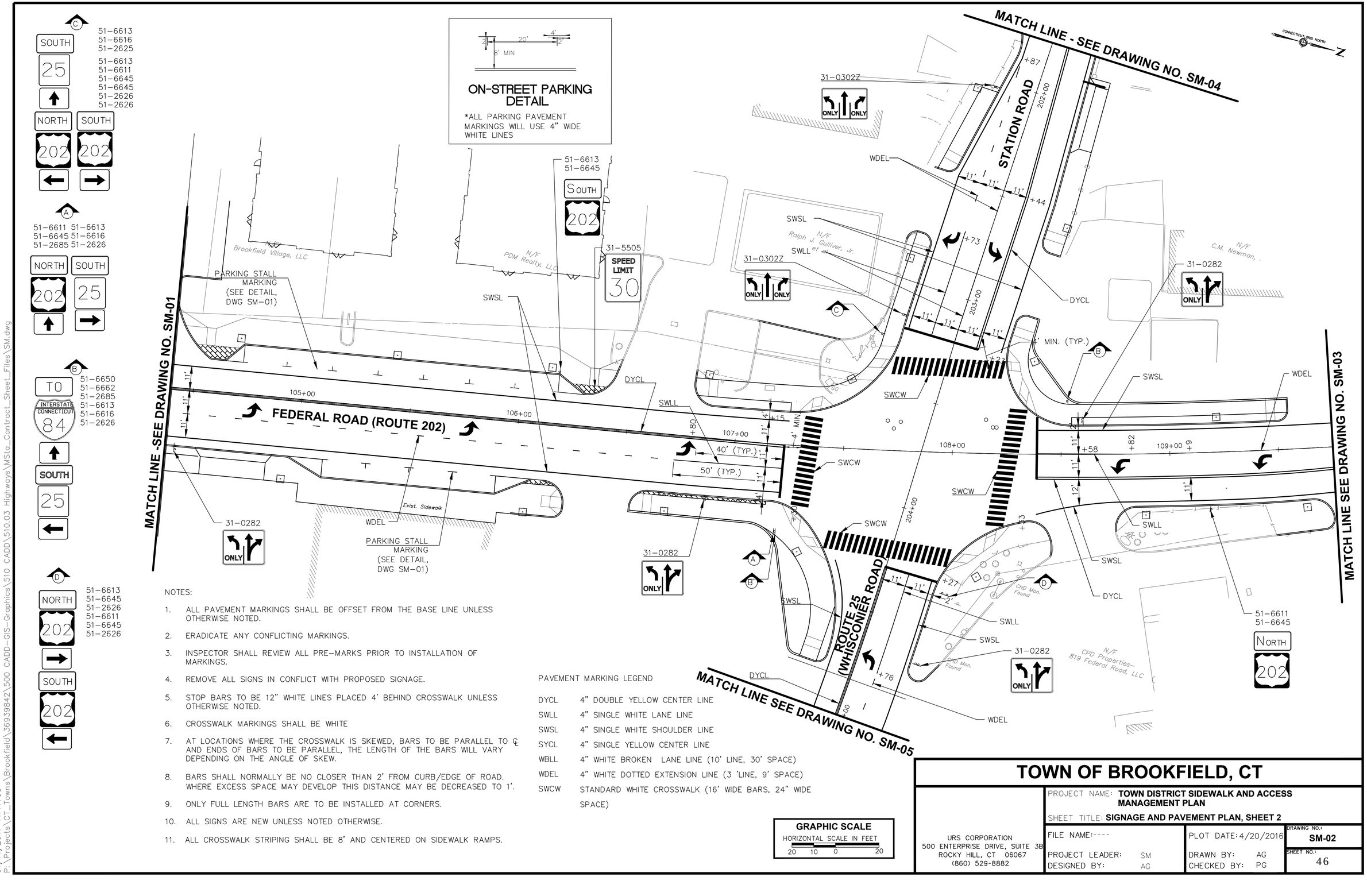

C — SOUTH 25 (51-6613, 51-6616, 51-2625; 51-6613, 51-6611, 51-6645, 51-6645, 51-2626, 51-2626) — NORTH 202 / SOUTH 202

A — 51-6611 51-6613 51-6645 51-6616 51-2685 51-2626 — NORTH 202 / SOUTH 25

B — TO INTERSTATE CONNECTICUT 84 (51-6650, 51-6662, 51-2685, 51-6613, 51-6616, 51-2626) — SOUTH 25

D — NORTH 202 (51-6613, 51-6645, 51-2626, 51-6611, 51-6645, 51-2626) — SOUTH 202

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE OFFSET FROM THE BASE LINE UNLESS OTHERWISE NOTED.
2. ERADICATE ANY CONFLICTING MARKINGS.
3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
4. REMOVE ALL SIGNS IN CONFLICT WITH PROPOSED SIGNAGE.
5. STOP BARS TO BE 12" WHITE LINES PLACED 4' BEHIND CROSSWALK UNLESS OTHERWISE NOTED.
6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.
11. ALL CROSSWALK STRIPING SHALL BE 8' AND CENTERED ON SIDEWALK RAMPS.

PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3 'LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16' WIDE BARS, 24" WIDE SPACE)

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **SIGNAGE AND PAVEMENT PLAN, SHEET 2**

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: SM-02
SHEET NO.: 46

01/11/2017 11:17:38
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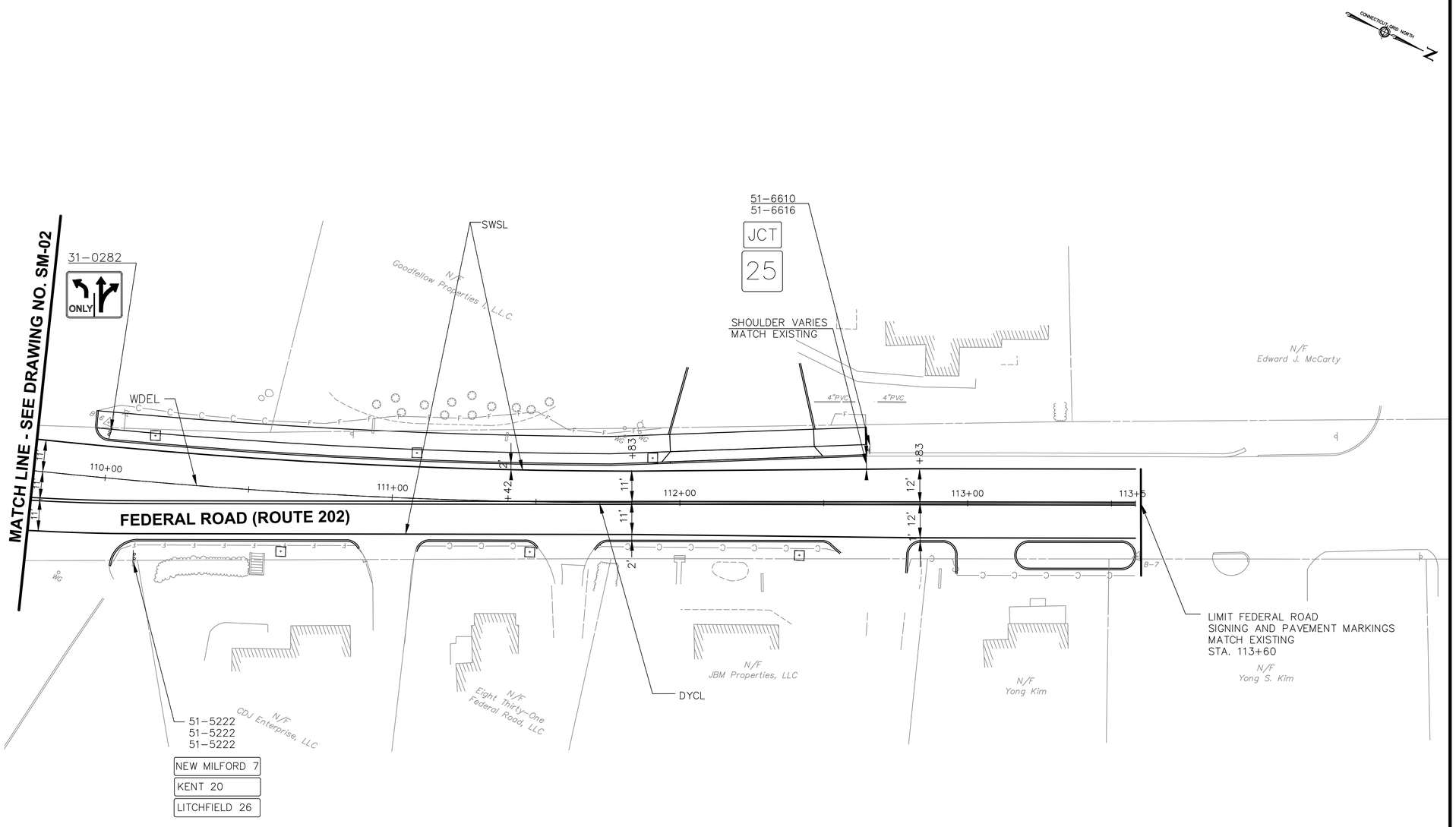


PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3 'LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16' WIDE BARS, 24" WIDE SPACE)

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE OFFSET FROM THE BASE LINE UNLESS OTHERWISE NOTED.
2. ERADICATE ANY CONFLICTING MARKINGS.
3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
4. REMOVE ALL SIGNS IN CONFLICT WITH PROPOSED SIGNAGE.
5. STOP BARS TO BE 12" WHITE LINES PLACED 4' BEHIND CROSSWALK UNLESS OTHERWISE NOTED.
6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

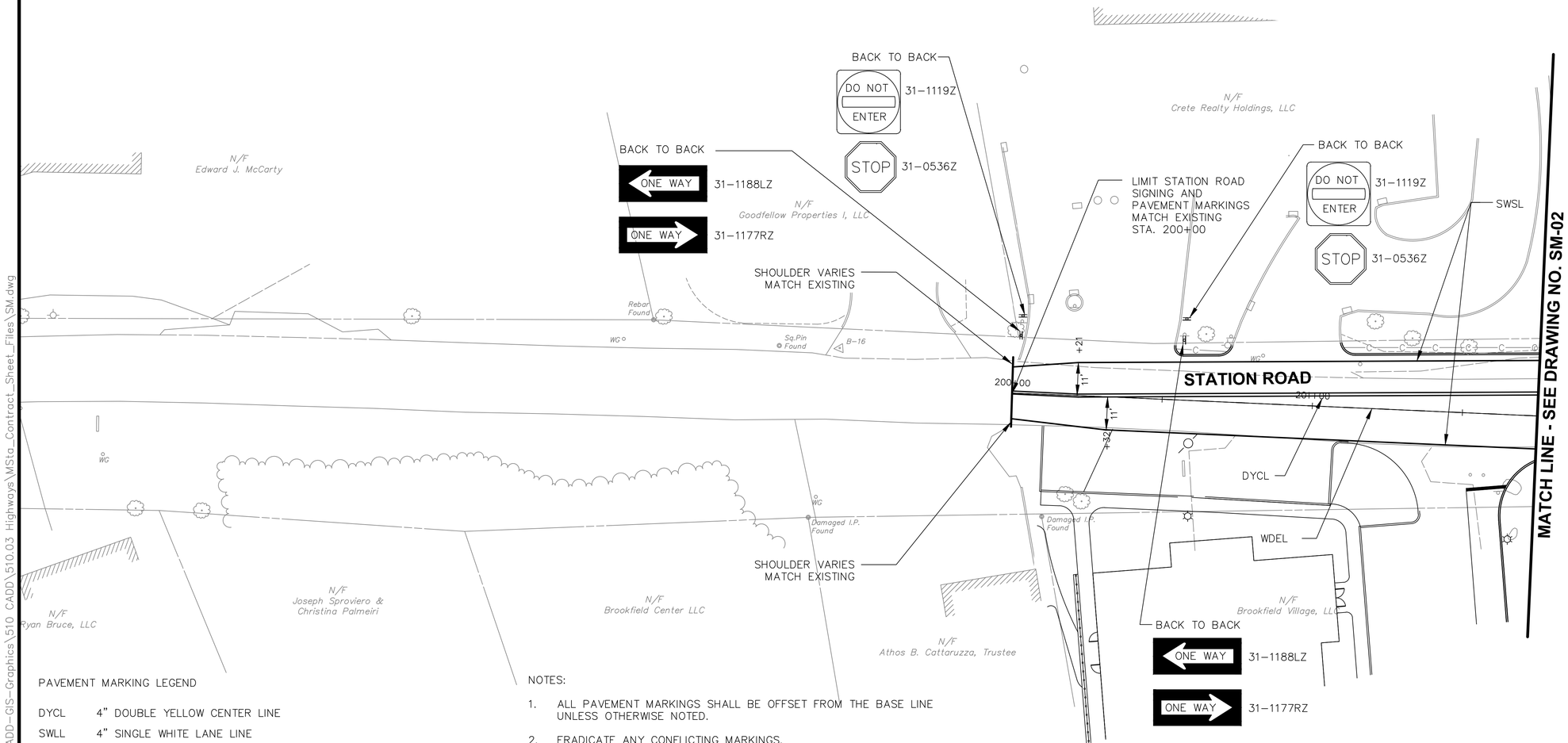
TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE **SIGNAGE & PAVEMENT MARKING PLAN, SHEET 3**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **SM-03**
SHEET NO.: 47



PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3' LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16" WIDE BARS, 24" WIDE SPACE)

NOTES:

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3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
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6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO C AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

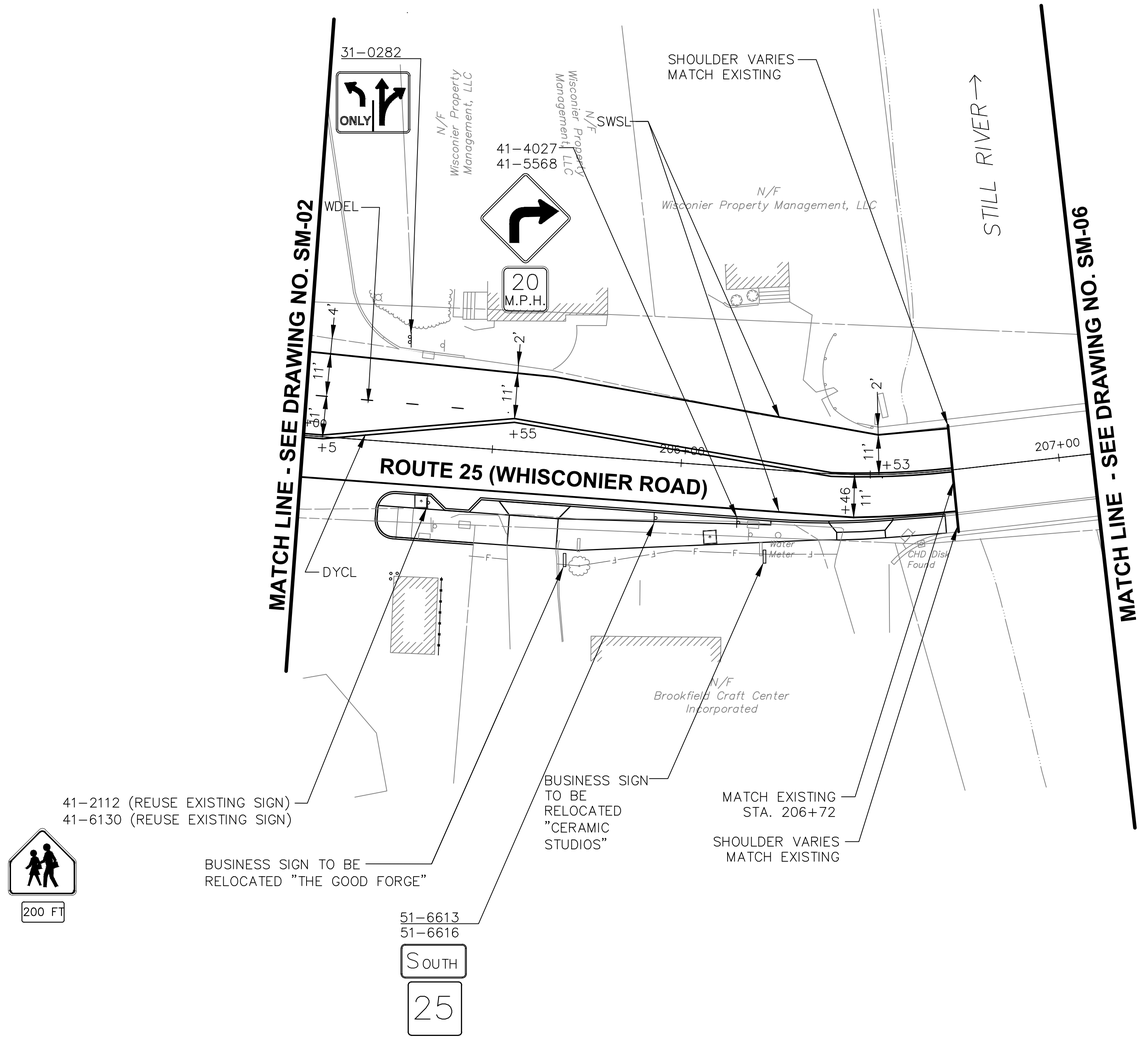
URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **SIGNAGE & PAVEMENT MARKING PLAN, SHEET 4**

FILE NAME:----
PLOT DATE: 4/20/2016
PROJECT LEADER: SM
DRAWN BY: AG
DESIGNED BY: AG
CHECKED BY: PG
DRAWING NO.: **SM-04**
SHEET NO.: 48

01/11/2017 11:20:47
P:\Projects\CT_Towns\Brookfield\36939842\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MSta_Contract_Sheet_Files\SM.dwg



PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3 'LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16' WIDE BARS, 24" WIDE SPACE)

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE OFFSET FROM THE BASE LINE UNLESS OTHERWISE NOTED.
2. ERADICATE ANY CONFLICTING MARKINGS.
3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
4. REMOVE ALL SIGNS IN CONFLICT WITH PROPOSED SIGNAGE.
5. STOP BARS TO BE 12" WHITE LINES PLACED 4' BEHIND CROSSWALK UNLESS OTHERWISE NOTED.
6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

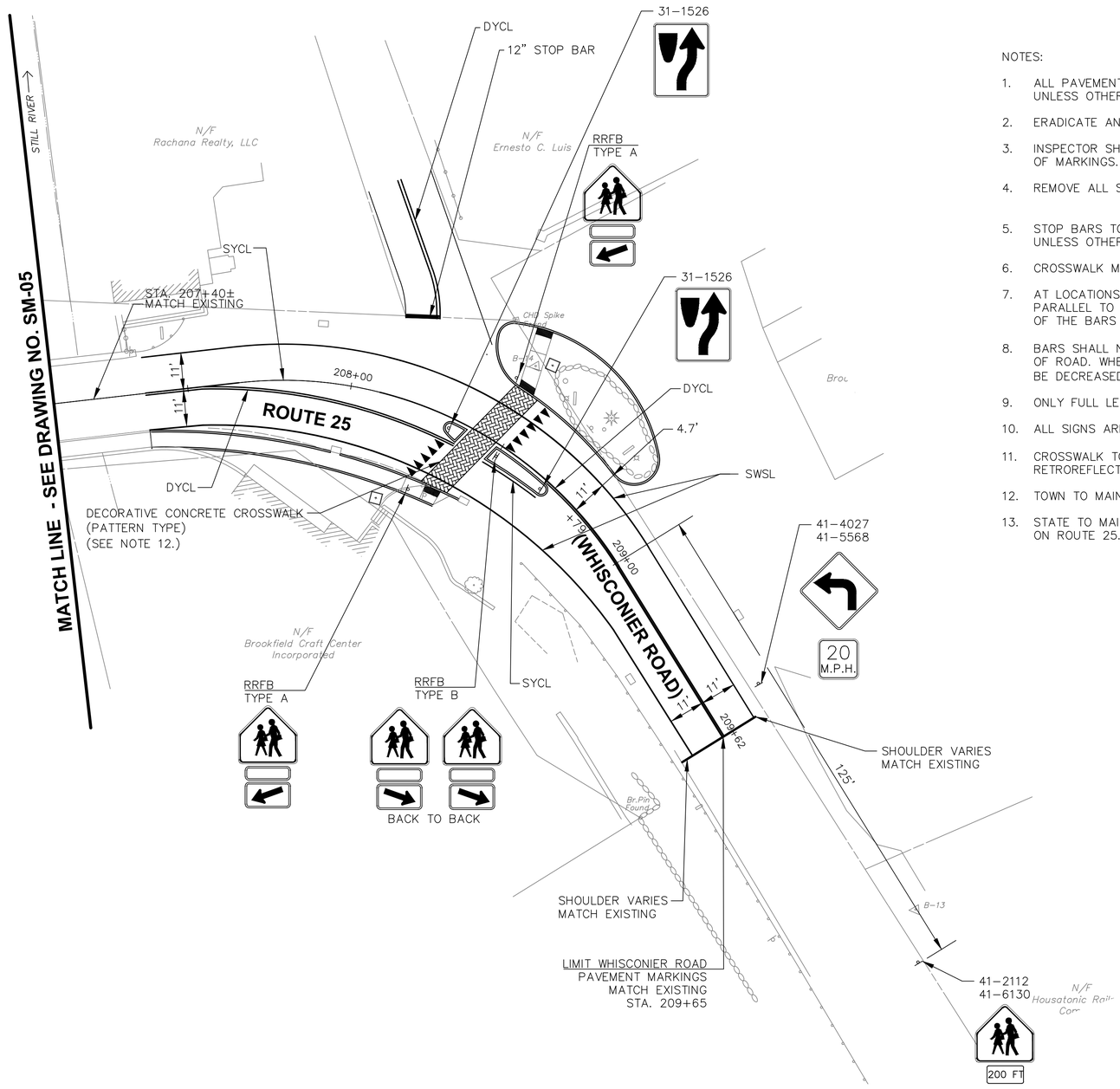
TOWN OF BROOKFIELD, CT

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **SIGNAGE & PAVEMENT MARKING PLAN, SHEET 5**

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

FILE NAME:----
PLOT DATE: 4/20/2016
PROJECT LEADER: SM
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **SM-05**
SHEET NO.: 49



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE OFFSET FROM THE BASE LINE UNLESS OTHERWISE NOTED.
2. ERADICATE ANY CONFLICTING MARKINGS.
3. INSPECTOR SHALL REVIEW ALL PRE-MARKS PRIOR TO INSTALLATION OF MARKINGS.
4. REMOVE ALL SIGNS IN CONFLICT WITH PROPOSED SIGNAGE.
5. STOP BARS TO BE 12" WHITE LINES PLACED 4' BEHIND CROSSWALK UNLESS OTHERWISE NOTED.
6. CROSSWALK MARKINGS SHALL BE WHITE
7. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL, THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
8. BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
9. ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
10. ALL SIGNS ARE NEW UNLESS NOTED OTHERWISE.
11. CROSSWALK TO BE EDGED IN 12" WHITE TRANSVERSE RETROREFLECTIVE MARKINGS.
12. TOWN TO MAINTAIN DECORATIVE CONCRETE CROSSWALK.
13. STATE TO MAINTAIN ALL OTHER SIGNS AND PAVEMENT MARKINGS ON ROUTE 25.

PAVEMENT MARKING LEGEND

DYCL	4" DOUBLE YELLOW CENTER LINE
SWLL	4" SINGLE WHITE LANE LINE
SWSL	4" SINGLE WHITE SHOULDER LINE
SYCL	4" SINGLE YELLOW CENTER LINE
WBLL	4" WHITE BROKEN LANE LINE (10' LINE, 30' SPACE)
WDEL	4" WHITE DOTTED EXTENSION LINE (3' LINE, 9' SPACE)
SWCW	STANDARD WHITE CROSSWALK (16" WIDE BARS, 24" WIDE SPACE)

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
20 10 0 20

TOWN OF BROOKFIELD, CT

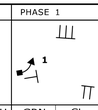
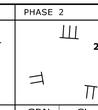
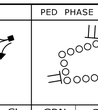
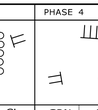
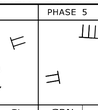
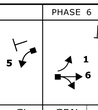
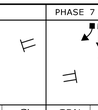
AECOM
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE **SIGNAGE & PAVEMENT MARKING PLAN, SHEET 6**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG
DRAWING NO.: **SM-06**
SHEET NO.: 50

MOVEMENT DIAGRAM

	NTOR	PHASE 1	PHASE 2	PED PHASE	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PHASE 9
	NONE									

		FLASH	PHASE 1 GRN	PHASE 1 CL	PHASE 1 CL	PHASE 2 GRN	PHASE 2 CL	PHASE 2 CL	PED PHASE GRN	PED PHASE CL	PED PHASE CL	PHASE 4 GRN	PHASE 4 CL	PHASE 4 CL	PHASE 5 GRN	PHASE 5 CL	PHASE 5 CL	PHASE 6 GRN	PHASE 6 CL	PHASE 6 CL	PHASE 7 GRN	PHASE 7 CL	PHASE 7 CL	PHASE 8 GRN	PHASE 8 CL	PHASE 8 CL	PHASE 9 GRN	PHASE 9 CL	PHASE 9 CL
FACE #	1	Y	←R	◄Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R						
	2	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R						
	3	R	R	R	R	R	R	R	R	R	R	←G	◄Y G	G	R	R	R	R	R	R	G	Y	R						
	4	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	G	Y	R						
	5	Y	R	R	R	G	Y	R	R	R	R	R	R	R	←R	◄Y R	R	R	R	R	R	R	R						
	6	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R						
	7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R						
	P	OFF	◄			DW		►	WØ	◄ DW													►						

		PHASE 1	PHASE 2	PED PHASE	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PHASE 9
INTERVALS	MIN GRN	5	15	7	5	5	15	10		
	WALK			16① ACCESSIBLE PEDESTRIAN SIGNAL						
	PED CLR									
	VEH EXT	1.0	2.8		1.0	1.0	2.8	1.0		
	MAX 1	12	40		15	10	40	20		
	MAX 2	12	40		15	10	40	20		
	YELLOW	3.1	3.8	4	3	3.3	3.6	3		
	RED	1.3	1.8	0 COUNTDOWN PEDESTRIAN SIGNAL	2.4	2.1	1.2	1.9		
	ADD INIT									
	MAX INIT									
	TBR									
	TTR									
	MIN GAP									
MODE		NON-LOCK	MIN RECALL	NON-LOCK	NON-LOCK	NON-LOCK	MIN RECALL	NON-LOCK	OFF	OFF
INT START			THIS PHASE				THIS PHASE			

SIGN LEGEND:

Ⓐ 31-5505 SPEED LIMIT 30

Ⓑ 31-0302Z ONLY ONLY

Ⓒ 31-0282 ONLY

Ⓓ EXISTING 31-0138 SPAN MOUNT ONLY

Ⓔ EXISTING 31-0135 SPAN MOUNT ONLY

SYSTEM LOC	COORDINATION TYPE: NONE				
MASTER	PROGRAM			CYCLE	OFFSET
	FUNCTION	TIME	DAYS		SEC / %
	FLASH	NONE			
	MAX 1	ALL OTHER TIMES			
	MAX 2	FUTURE			

NOTES:

STATE TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON ROUTE 202 AND ROUTE 25 AND ALL STOP BARS.

TOWN TO MAINTAIN ALL SIGNS AND OTHER PAVEMENT MARKINGS ON STATION RD.

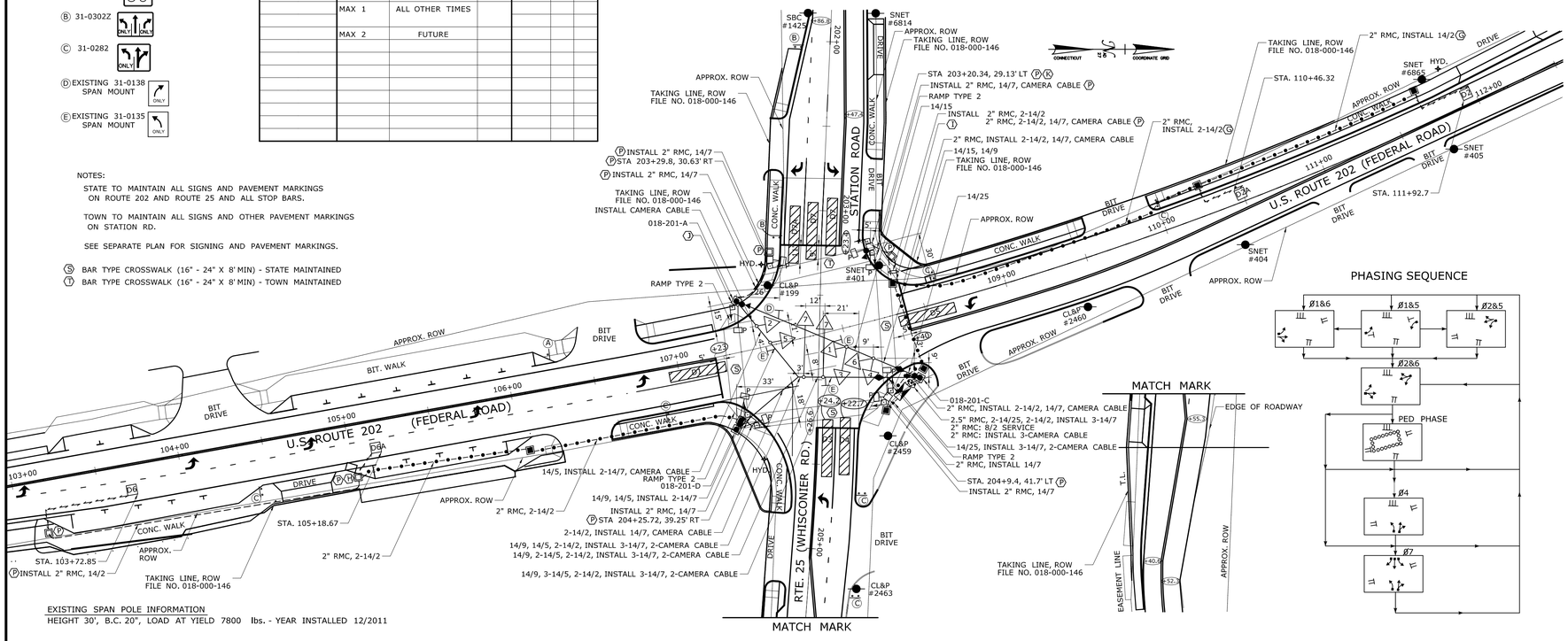
SEE SEPARATE PLAN FOR SIGNING AND PAVEMENT MARKINGS.

Ⓢ BAR TYPE CROSSWALK (16" - 24" X 8' MIN) - STATE MAINTAINED

Ⓣ BAR TYPE CROSSWALK (16" - 24" X 8' MIN) - TOWN MAINTAINED

EXISTING SPAN POLE INFORMATION

HEIGHT 30', B.C. 20', LOAD AT YIELD 7800 lbs. - YEAR INSTALLED 12/2011



PHASING SEQUENCE

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
PHASES 1 & 5 TO DRIVE FACES 1 & 5 ◄Y AND ◄ ONLY.
PHASES 2 & 6 TO DRIVE FACES 1 & 5 R, Y AND G.
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 3 PEDESTRIAN CHANGE INTERVAL.
PHASE 2 ON TO OMIT PHASE 1.
PHASE 6 ON TO OMIT PHASE 5.
①COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.

OFFICE RECORD

REVISION #
STC # N/A — SM # N/A
TRAFFIC DESIGN: AECOM — ELECT. DESIGN: N/A
SIGNAL REVISED:
WIDENED STATION ROAD APPROACH AND UPDATED DETECTION, INSTALLED APS AND REMOVED PROGRAMMED FLASH.

SIGNAL FACES

1,3,5

2,4,6,7

ALL INDICATIONS HAVE LED LAMPS.

FACES 1,2,5 & 6 HAVE BACKPLATES.

SOLID - OVERLAP HAND/PERSON

DETECTORS

IDENT	SIZE (WXL)	TURNS	MODE
D1	6'X34'	VIDEO	PRESENCE
D2	6'X6'	4	PRESENCE
D2A	6'X6'	4	PRESENCE
D3	6'X34'	VIDEO	PRESENCE
D4	6'X34'	VIDEO	PRESENCE
D5	6'X34'	VIDEO	PRESENCE
D6	6'X6'	4	PRESENCE
D6A	6'X6'	4	PRESENCE
D7	6'X34'	VIDEO	PRESENCE
D7A	6'X34'	VIDEO	DELAY 6"

CONSTRUCTION NOTES :

ALL TRAFFIC EQUIPMENT IS EXISTING EXCEPT PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS AND SIGNS, PEDESTALS, VIDEO DETECTORS, HANDHOLES (AS NOTED Ⓟ) AND CONDUIT (AS NOTED Ⓟ).

STAKE ALL R.O.W. PRIOR TO EXCAVATION.

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE

STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (FORM 816).

SUPPLEMENTAL SPECIFICATIONS TO FORM 816.

SPECIAL PROVISIONS TO FORM 816.

STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.

THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.

LOOP DETECTORS D2, D2A, D6 AND D6A ARE NEW. 14/2 CABLE TO TO D2+D2A IS NEW.

INSTALL VIDEO DETECTOR FOR D1, D3, D4, D5, D7 AND D7A AND CABLE TO THE CONTROLLER AS SHOWN.

Ⓖ REMOVE EXISTING 14/2 CABLE FOR DETECTORS D2+D2A. INSTALL NEW 14/2 CABLE IN EXISTING 2" RMC TO D2+D2A.

Ⓗ LOCATE EXISTING RIGID METAL CONDUIT. EXTEND INTO NEW HANDHOLE.

Ⓘ REMOVE EXISTING HANDHOLE. EXTEND EXISTING CONDUIT TO NEW HANDHOLE.

INSTALL LOOP DETECTORS CENTERED IN LANE UNLESS OTHERWISE SPECIFIED.

Ⓙ INSTALL TOGGLE BOLT WITH WASHER TO EFFECTIVELY SEAL ANY HOLES LEFT IN THE SPAN POLE DUE TO REMOVAL OF PUSH BUTTONS.

Ⓚ 20' PEDESTAL WITH VIDEO CAMERA

CAMERA DETECTOR LOCATIONS ARE FOR IILLUSTRATION ONLY, EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLE ARE TO BE INSTALLED CONTINOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.

MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 4 COPIES OF REVISED CABINET WIRING DIAGRAMS.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT, PER SPECIAL PROVISION.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

NO.	DATE	REVISION DESCRIPTION

LEGEND:

R RED
Y YELLOW
G GREEN
◄R: RED ARROW
◄Y: YELLOW ARROW
◄: GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

○ PROPOSED WOOD SPAN POLE
● EXISTING WOOD SPAN POLE
□ PROPOSED STEEL SPAN POLE
◉ EXISTING STEEL SPAN POLE
◇ PROPOSED UTILITY POLE
● EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

SIDEWALK RAMP
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED : 1/11/2017 P:\Projects\CT_Towns\Brookfield\369398421\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MSta_Contract_Sheet_Files\TCS-01.dgn

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TOWN OF BROOKFIELD
ROUTE 202 (FEDERAL ROAD) AT
ROUTE 25 (WHISCONIER ROAD)
AND STATION ROAD

SCALE 1" = 40'

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	AECOM	09/15	AECOM	09/15
DRAWN BY	AECOM	09/15	AECOM	09/15
CHECKED BY	AECOM	09/15	AECOM	09/15
SUBMITTED BY	AECOM	09/15	AECOM	09/15
APPROVED BY				
APPROVED DATE				

REV # — INTERSECTION # 018-201

ENERGY BY TOWN — ADDRESS # N/A
MAINT LEVEL 5 — SERVICE POLE CL&P #2459
UNMETERED SERVICE

TOWN: **BROOKFIELD**

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO.
DRAWING NO. TCS-01
SHEET NO. 51

Border Version 11/29/13

MOVEMENT DIAGRAM

NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8					
FACE #	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
INTERVALS	MIN GRN																											
	WALK																											
	PED CLR																											
	VEH EXT																											
	MAX 1																											
	MAX 2																											
	YELLOW																											
	RED																											
	ADD INIT																											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
MODE																												
INT START																												

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

RAPID ALTERNATE FLASHERS TO FLASH FOR 16 SECONDS UPON EACH ACTUATION.

OFFICE RECORD

REV # TIR # SM # SIGNAL IN OPERATION:

RAPID RECTANGULAR FLASHING BEACON INSTALLED

CONSTRUCTION NOTES:

1. ALL TRAFFIC EQUIPMENT IS NEW.
2. ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE
   - STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (FORM 816)
   - SUPPLEMENTAL SPECIFICATIONS TO FORM 816.
   - SPECIAL PROVISIONS TO FORM 816.
   - STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.
3. STAKE ALL R.O.W. PRIOR TO EXCAVATION.
4. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
5. THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
6. INSTALL RISER ON CL&P # 1841 UTILITY POLE.
7. COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 – LEGAL RELATIONS AND RESPONSIBILITIES.
8. INSTALL RRFB ON 14' PEDESTAL.

Ⓒ INSTALL FLASHER CABINET ON PEDESTAL AS SHOWN.
FLASHER CABINET TO CONTROL RECTANGULAR RAPID FLASHING BEACONS.

SIGN LEGEND

Ⓐ INSTALL

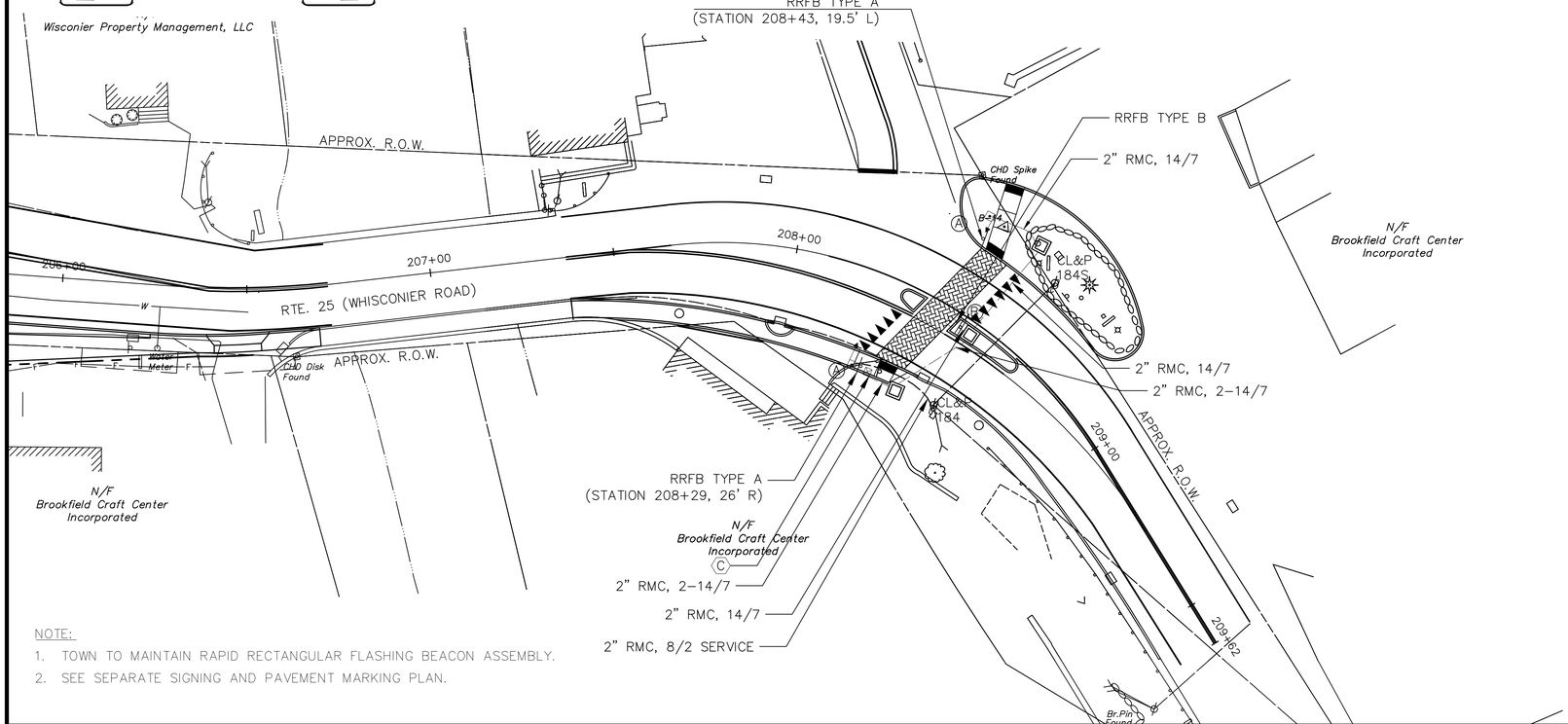
41–2112

41–2617

Ⓑ INSTALL BACK TO BACK ASSEMBLY

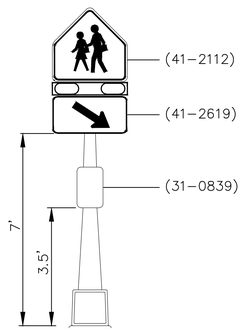
41–2112

41–2619

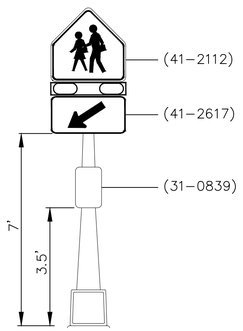


NOTE:

1. TOWN TO MAINTAIN RAPID RECTANGULAR FLASHING BEACON ASSEMBLY.
2. SEE SEPARATE SIGNING AND PAVEMENT MARKING PLAN.



RRFB MOUNTED ON 14' PEDESTAL – TYPE B



RRFB MOUNTED ON 14' PEDESTAL – TYPE A

TOWN SIGNAL

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	AECOM	10/15	AECOM	10/15
DRAWN BY	AECOM	10/15	AECOM	10/15
CHECKED BY	AECOM	10/15	AECOM	10/15
SUBMITTED BY	AECOM	10/15	AECOM	10/15
APPROVED BY				
APPROVED DATE				

REV # INTERSECTION #018-220

ENERGY BY TOWN	ADDRESS N/A
MAINT LEVEL 5	SERVICE POLE CL&P #184
	UNMETERED SERVICE

NO. DATE REVISION DESCRIPTION

LEGEND:

R RED
Y YELLOW
G GREEN
◀R RED ARROW
◀Y YELLOW ARROW
◀G GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SD SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

SIDEWALK RAMP
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED : $DATE$ $FILE$

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TOWN OF BROOKFIELD
ROUTE 25
(WHISCONIER ROAD)

SCALE 1" = 20'

TOWN: BROOKFIELD

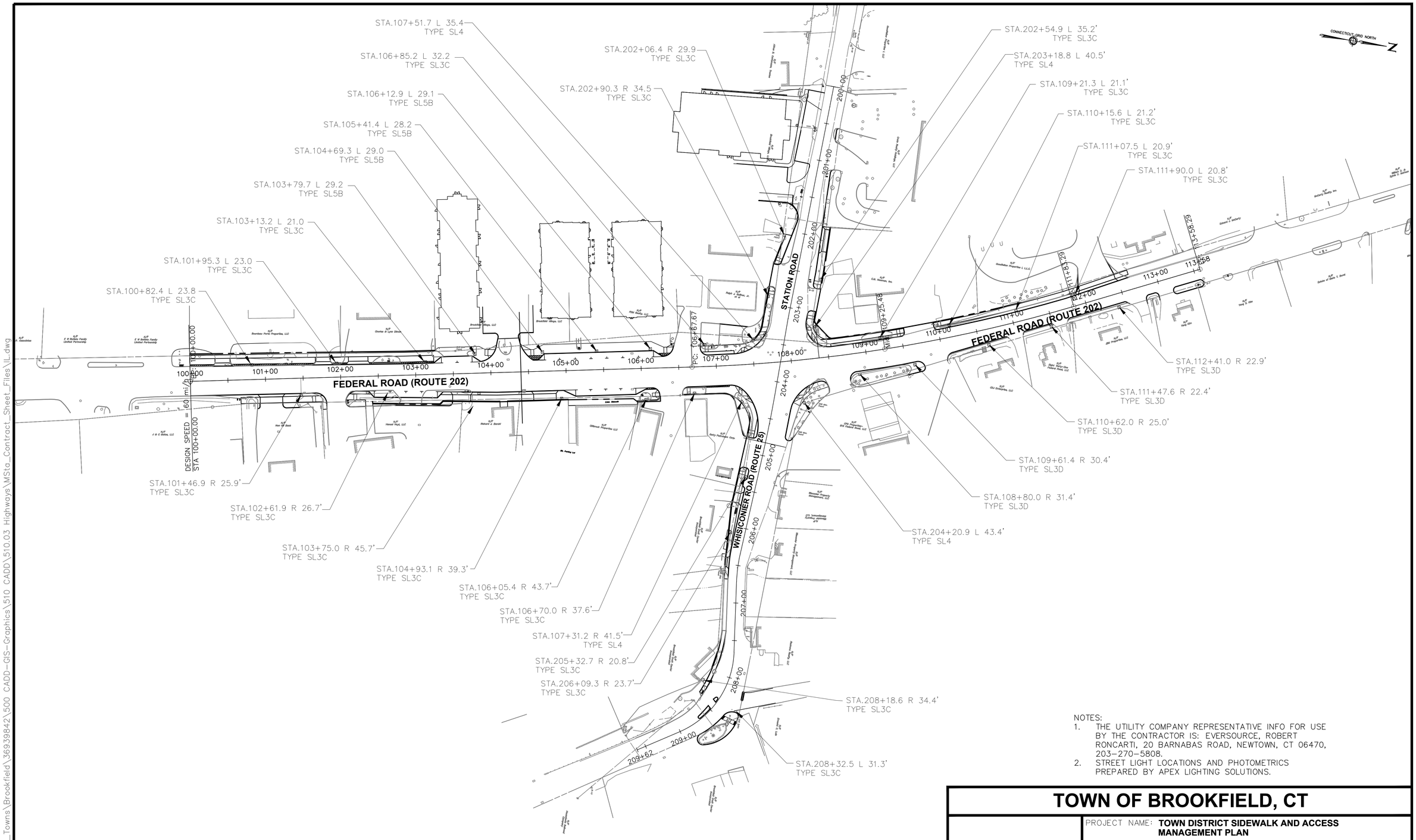
DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.

DRAWING NO. TCS-02

SHEET NO. 52

Border Version 11/29/13



NOTES:
1. THE UTILITY COMPANY REPRESENTATIVE INFO FOR USE BY THE CONTRACTOR IS: EVERSOURCE, ROBERT RONCARTI, 20 BARNABAS ROAD, NEWTOWN, CT 06470, 203–270–5808.
2. STREET LIGHT LOCATIONS AND PHOTOMETRICS PREPARED BY APEX LIGHTING SOLUTIONS.

GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
60 30 0 60

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **ILLUMINATION PLAN**

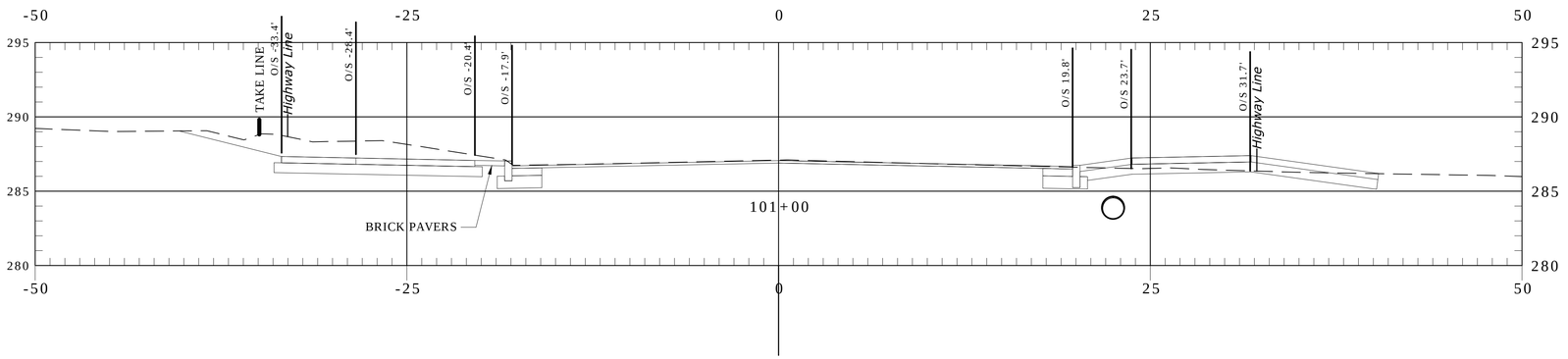
FILE NAME:----

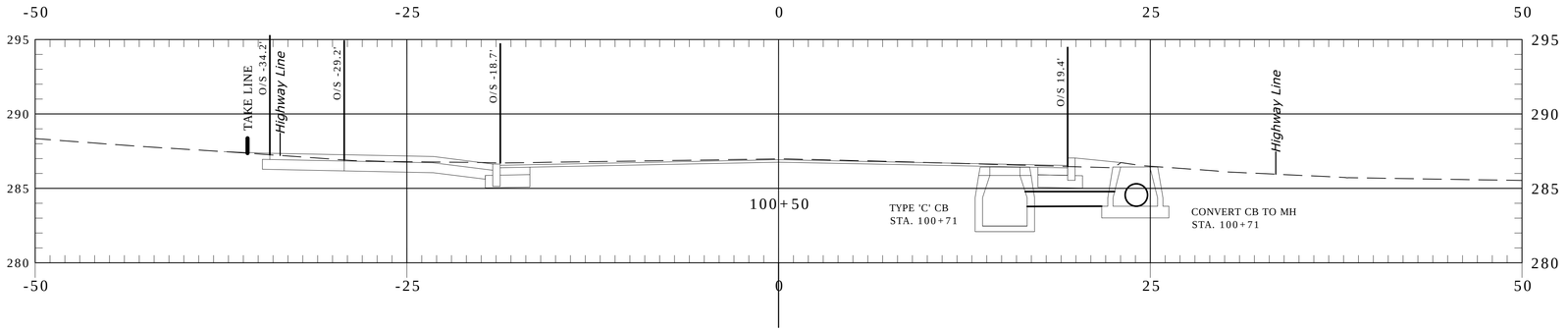
PROJECT LEADER: SM
DESIGNED BY: AG

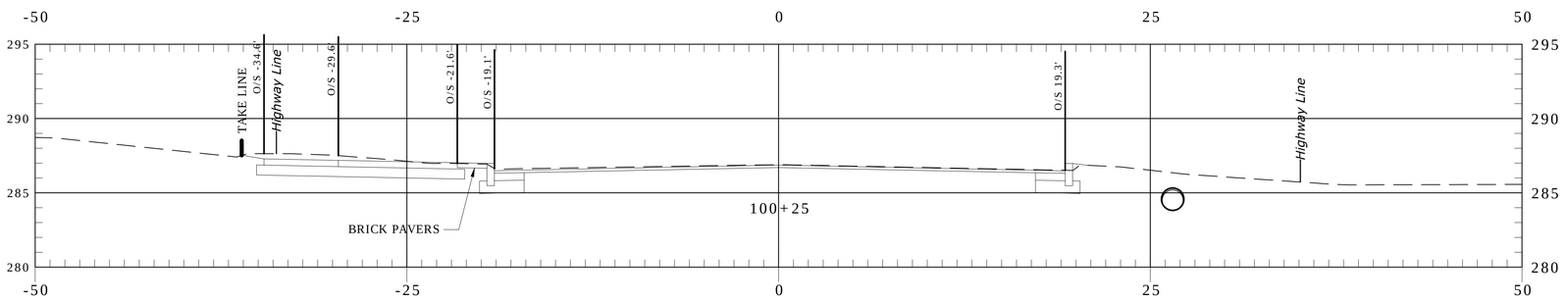
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **IL-01**
SHEET NO.: 53

P:\Projects\CT_Towns\Brookfield\36939842\500 CADD-GIS-Graphics\510 CADD\510.03 Highways\MSta_Contract_Sheet_Files\IL.dwg







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
5 2.5 0 5

GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

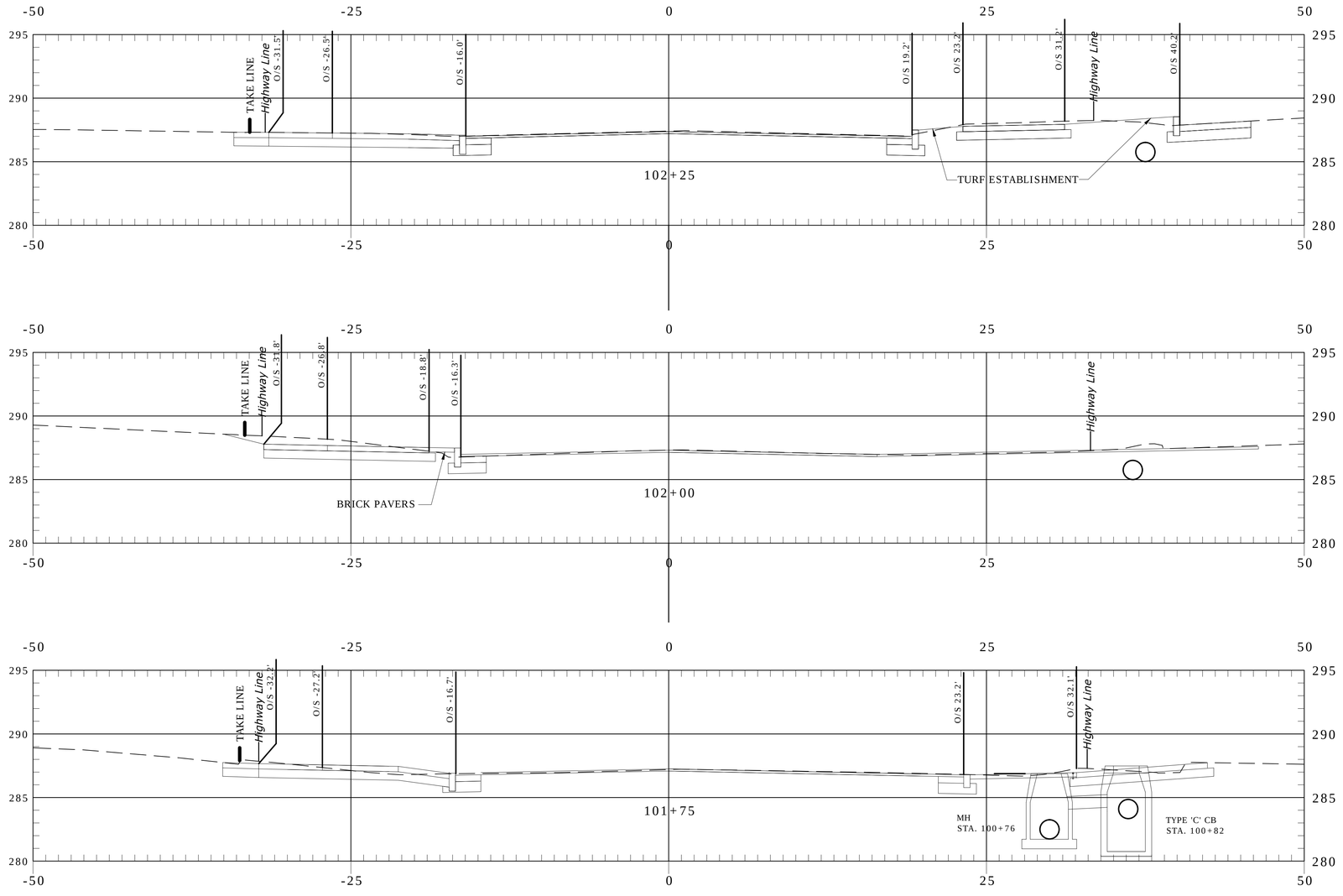
PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 01**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-01**
SHEET NO.: 54



GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
5 2.5 0 5

GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 02**

FILE NAME:----

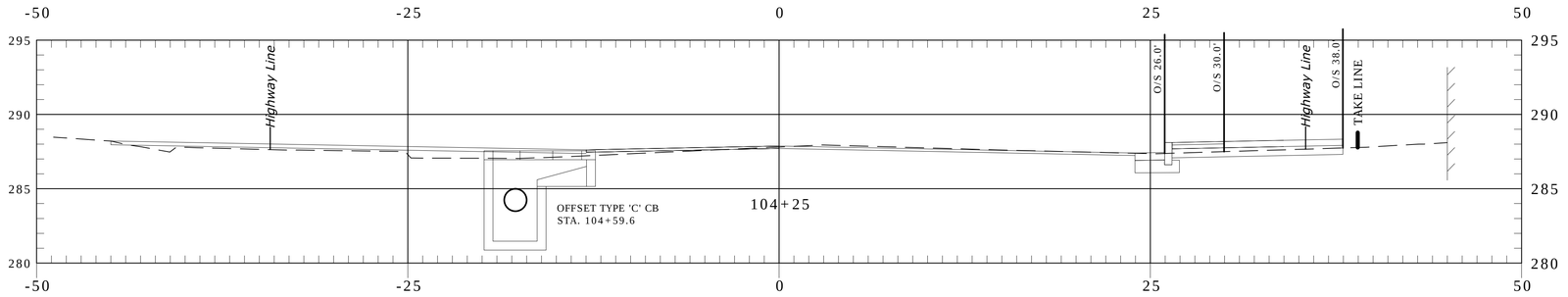
PROJECT LEADER: SM
DESIGNED BY: AG

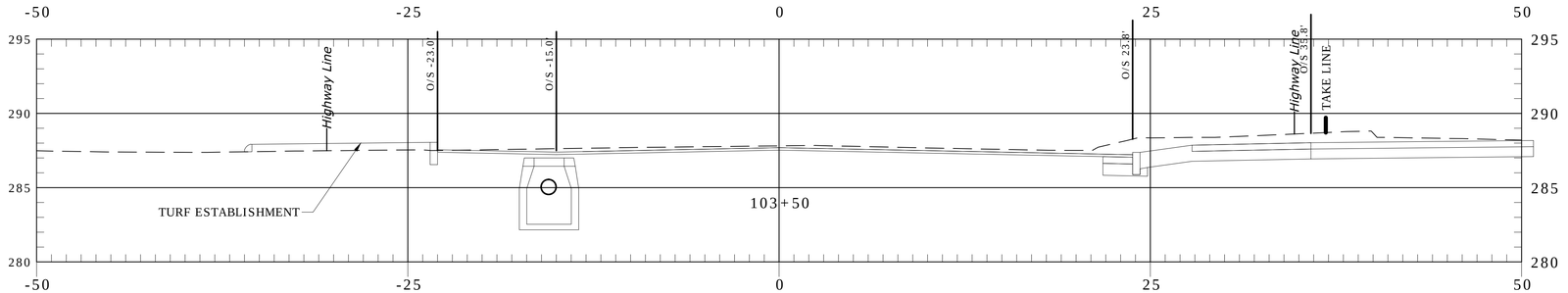
PLOT DATE: 4/20/2016

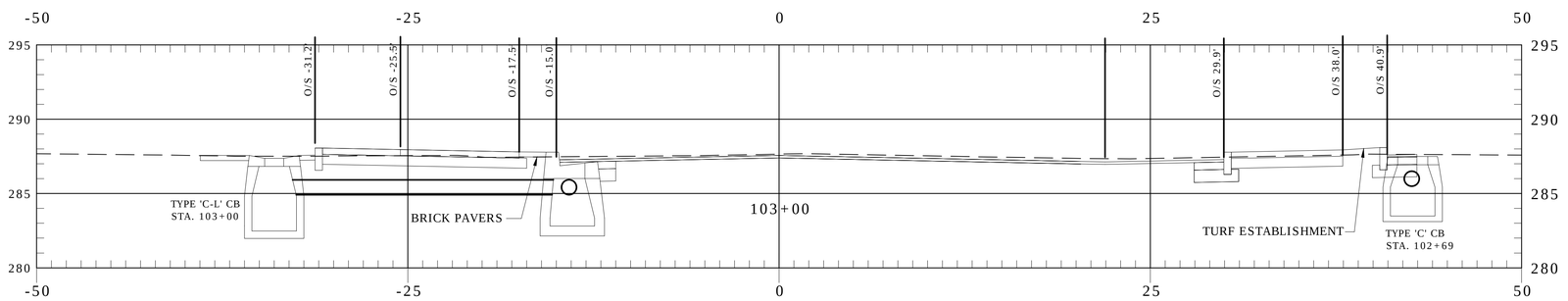
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-02**

SHEET NO.: 55







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
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TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 03**

FILE NAME:----

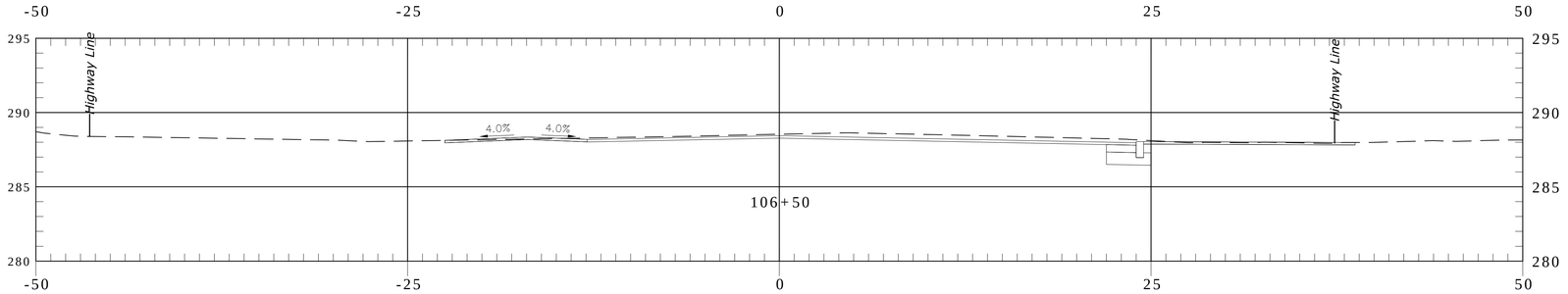
PROJECT LEADER: SM
DESIGNED BY: AG

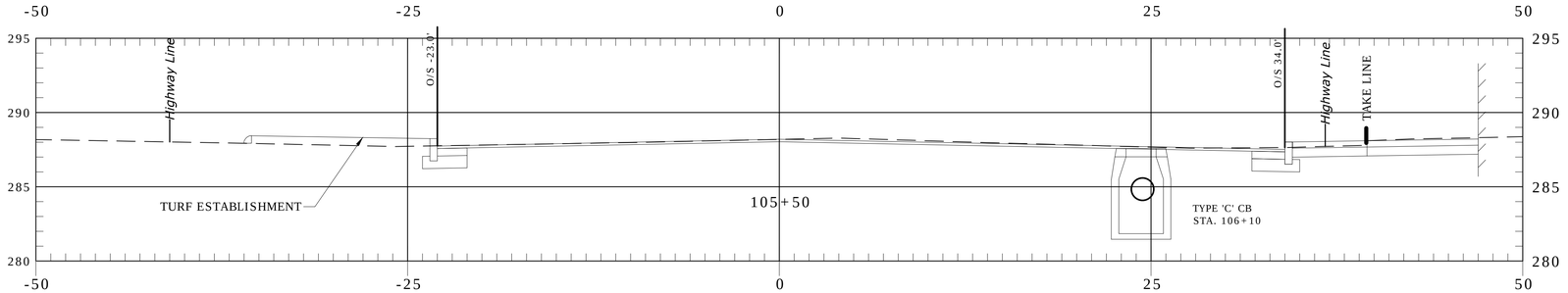
PLOT DATE: 4/20/2016

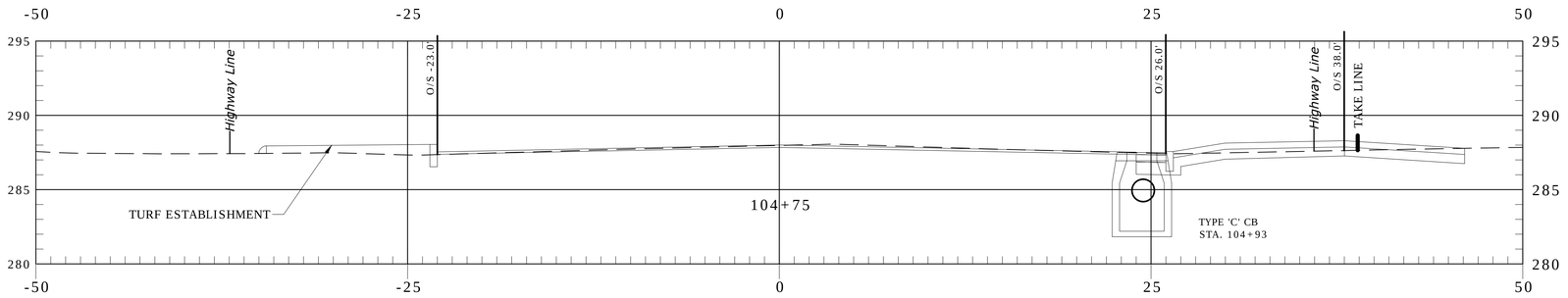
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-03**

SHEET NO.: 56







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
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TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 04**

FILE NAME:----

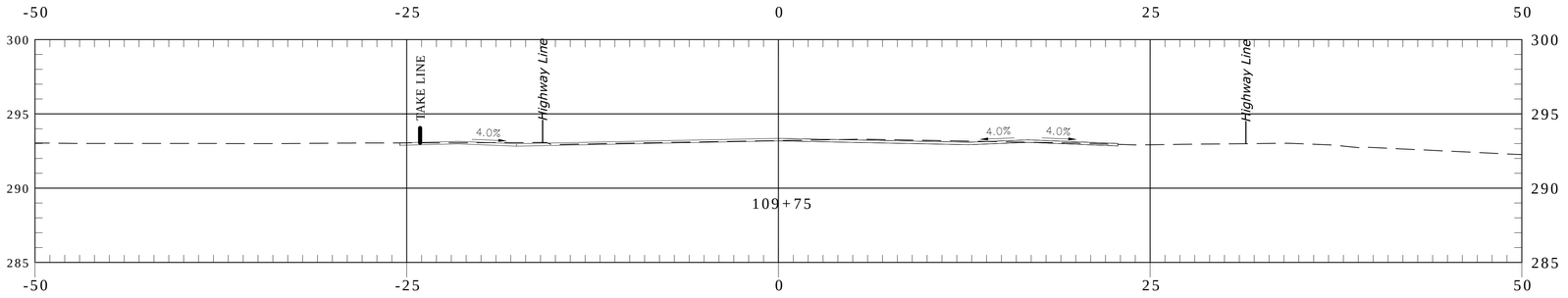
PROJECT LEADER: SM
DESIGNED BY: AG

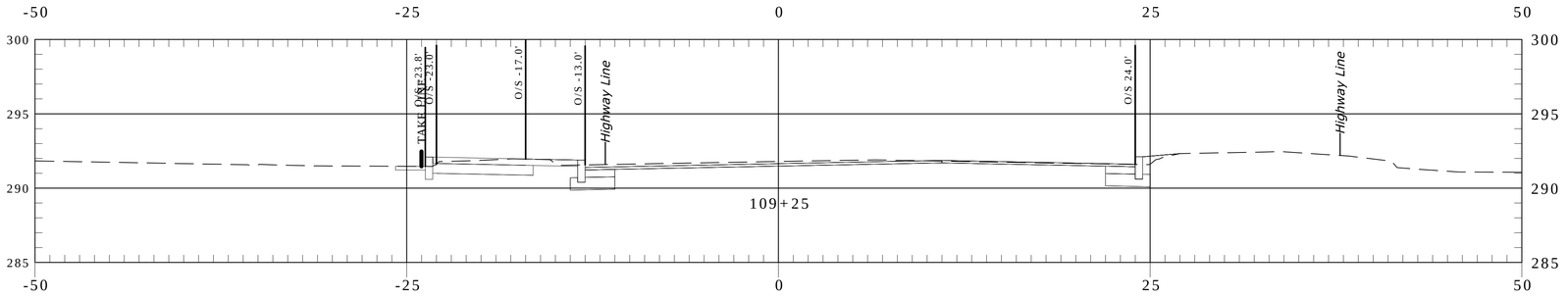
PLOT DATE: 4/20/2016

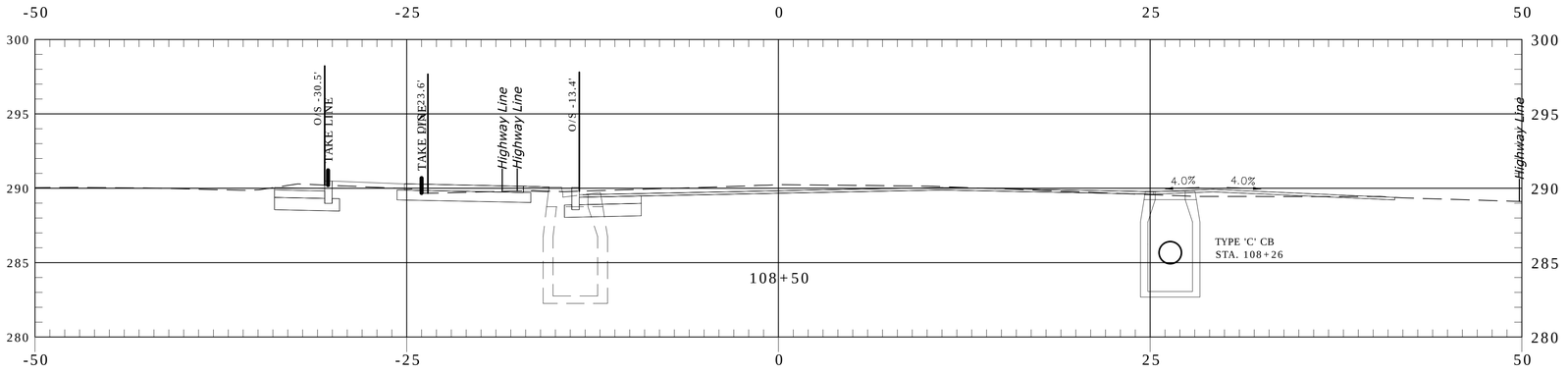
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-04**

SHEET NO.: 57







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEE0519**

FILE NAME:----

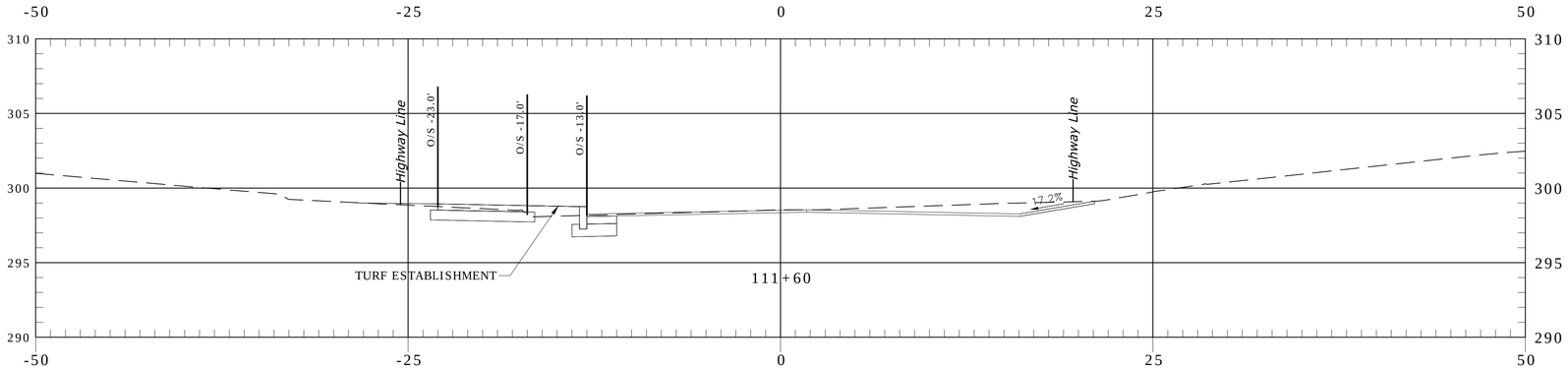
PROJECT LEADER: SM
DESIGNED BY: AG

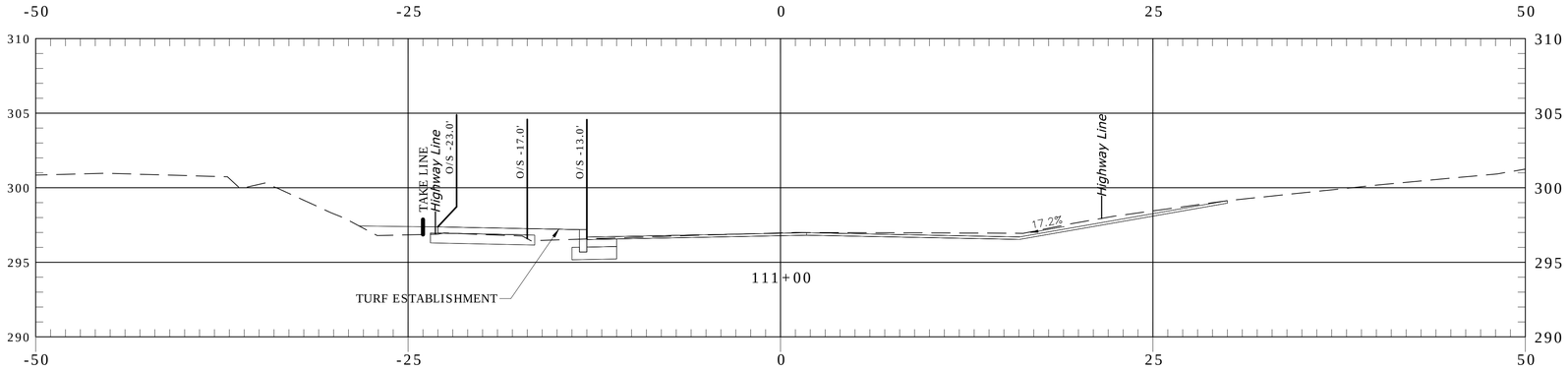
PLOT DATE: 4/20/2016

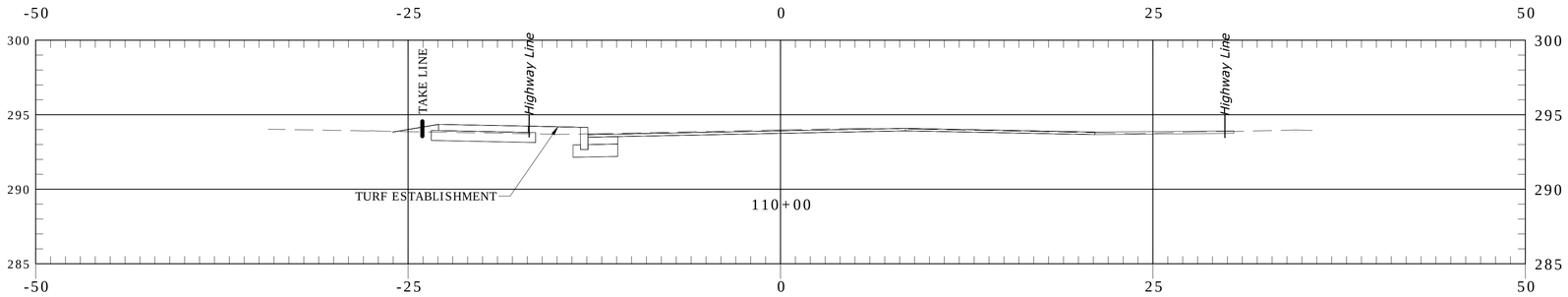
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-05**

SHEET NO.: 58







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
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TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 06**

FILE NAME:----

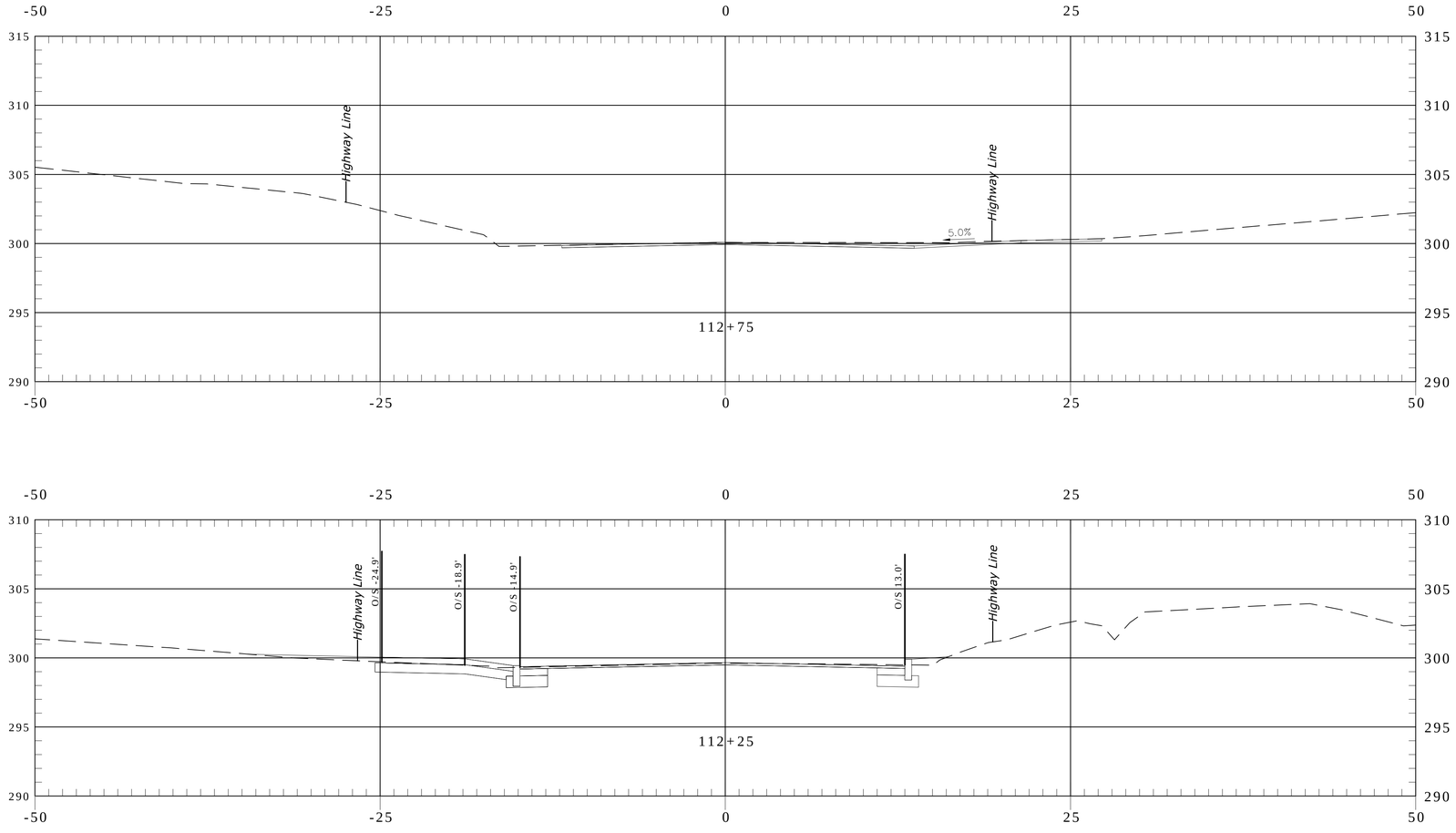
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016

DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-06**

SHEET NO.: 59



GRAPHIC SCALE
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
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TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 07**

FILE NAME:----

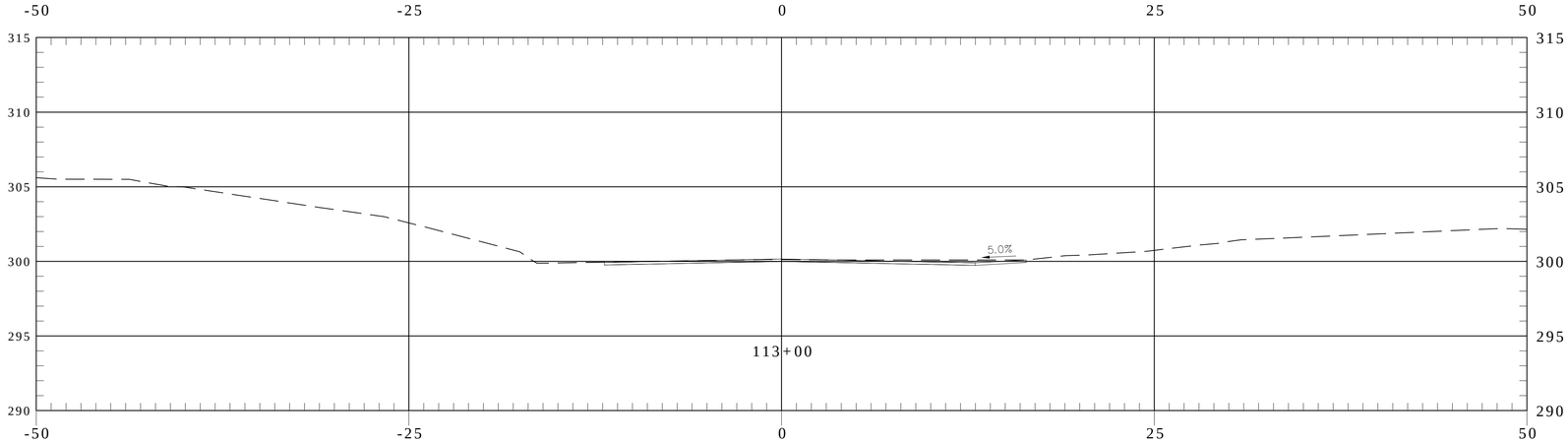
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016

DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-07**

SHEET NO.: 60



GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
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TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

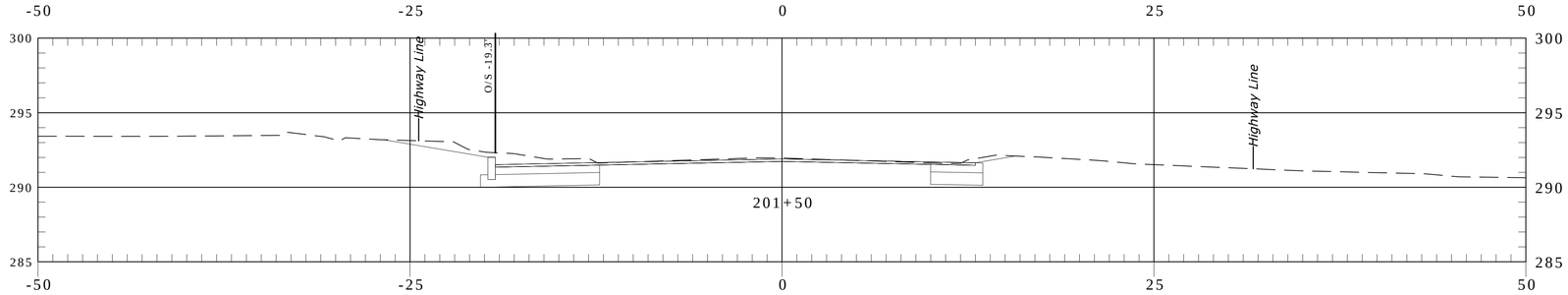
PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

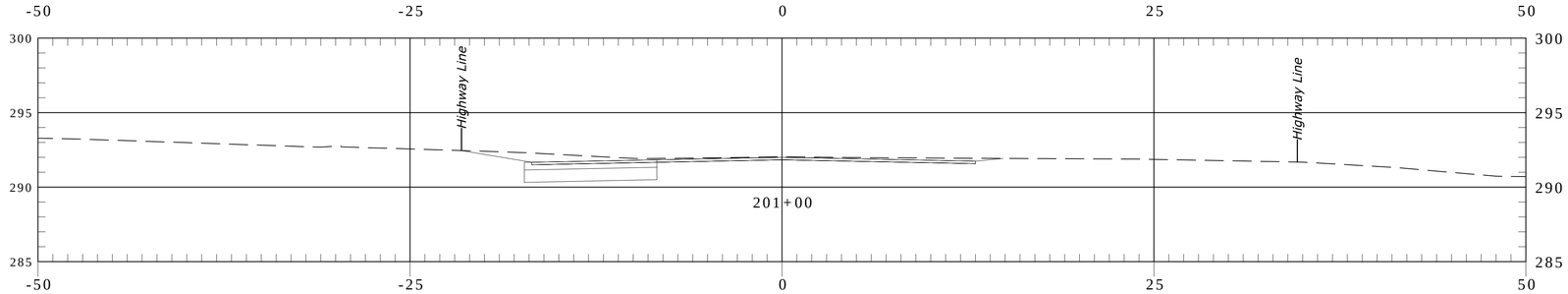
SHEET TITLE: **FEDERAL ROAD CROSS SECTION, SHEET 08**

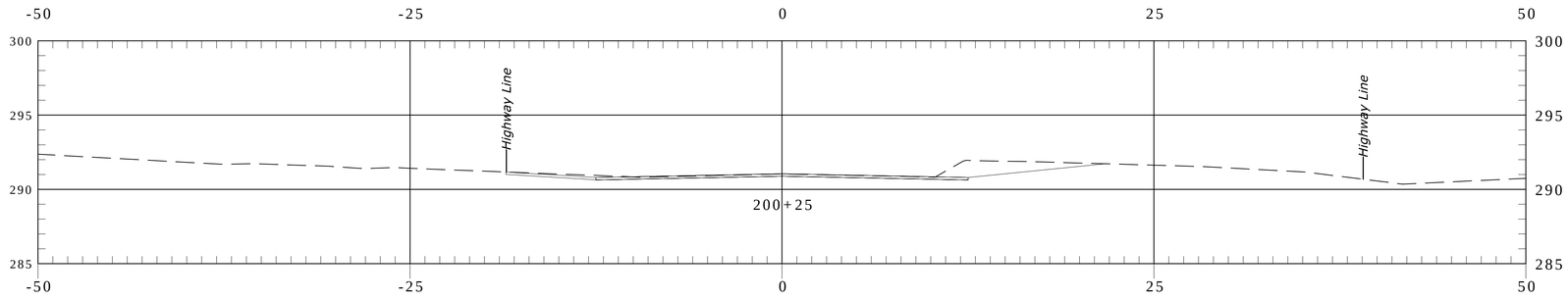
FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE:4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-08**
SHEET NO.: 61







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **STATION ROAD CROSS SECTION, SHEET 09**

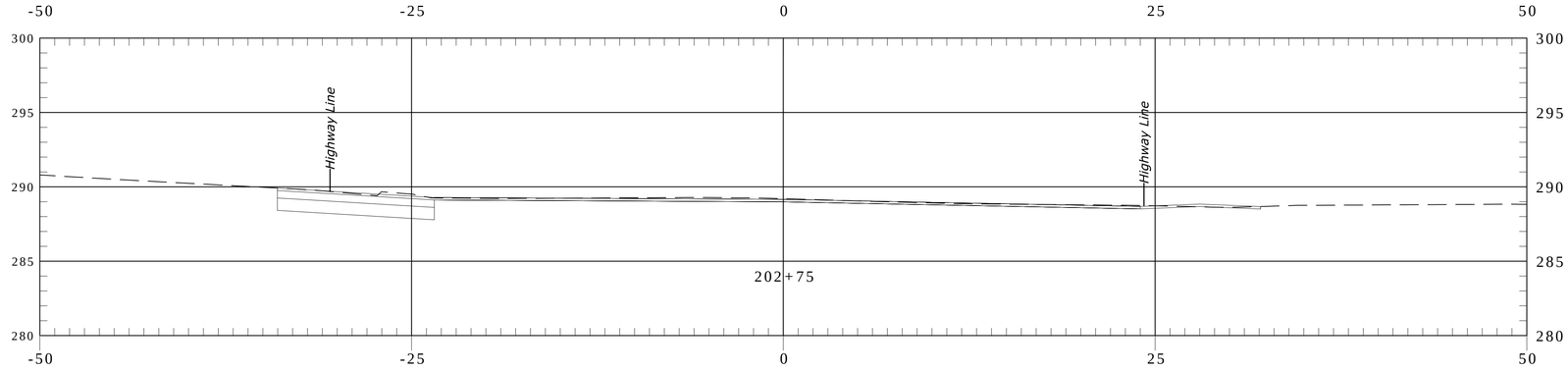
FILE NAME:----

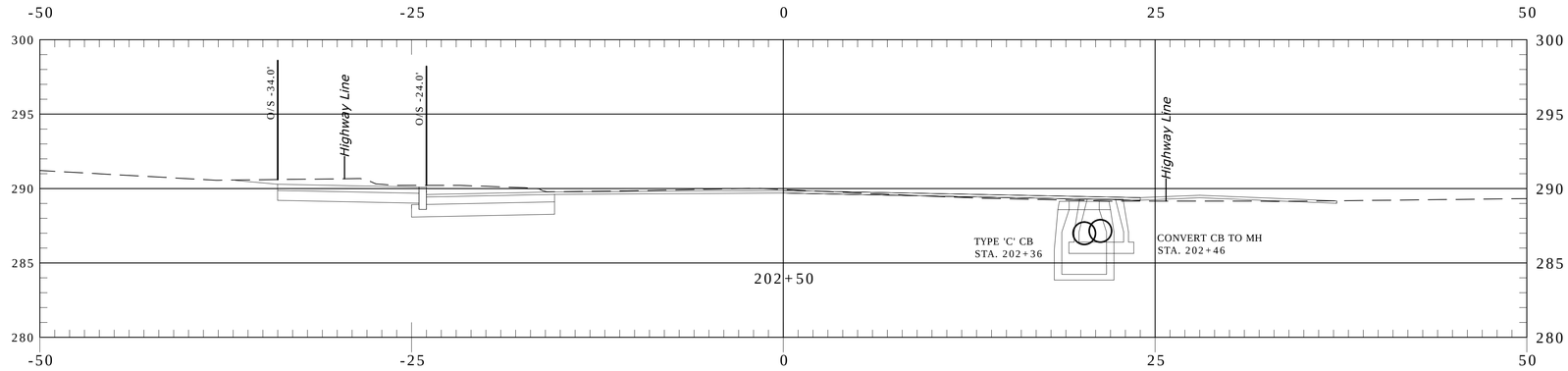
PROJECT LEADER: SM
DESIGNED BY: AG

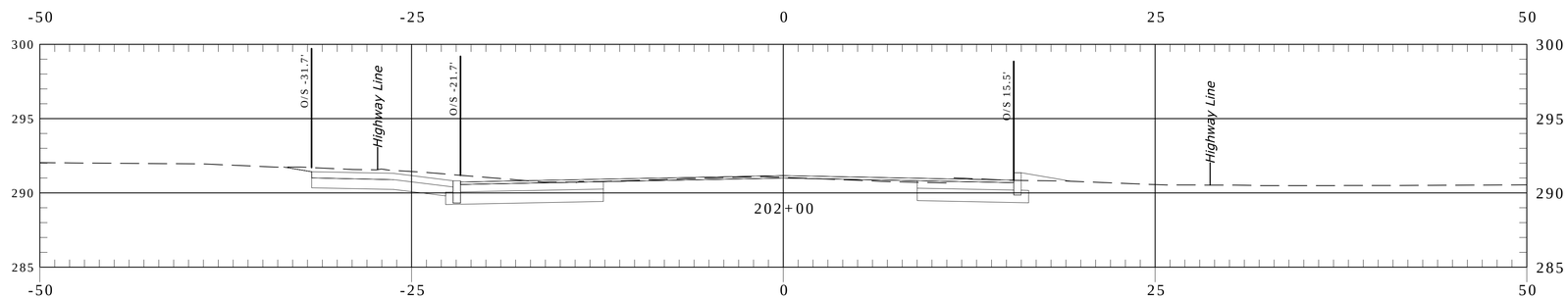
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-09**

SHEET NO.: 62







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **STATION ROAD CROSS SECTION, SHEET 10**

FILE NAME:----

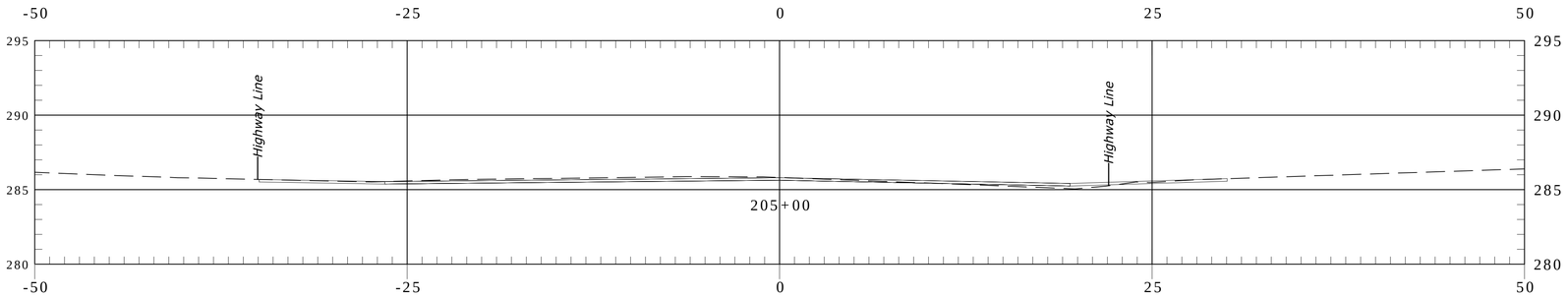
PROJECT LEADER: SM
DESIGNED BY: AG

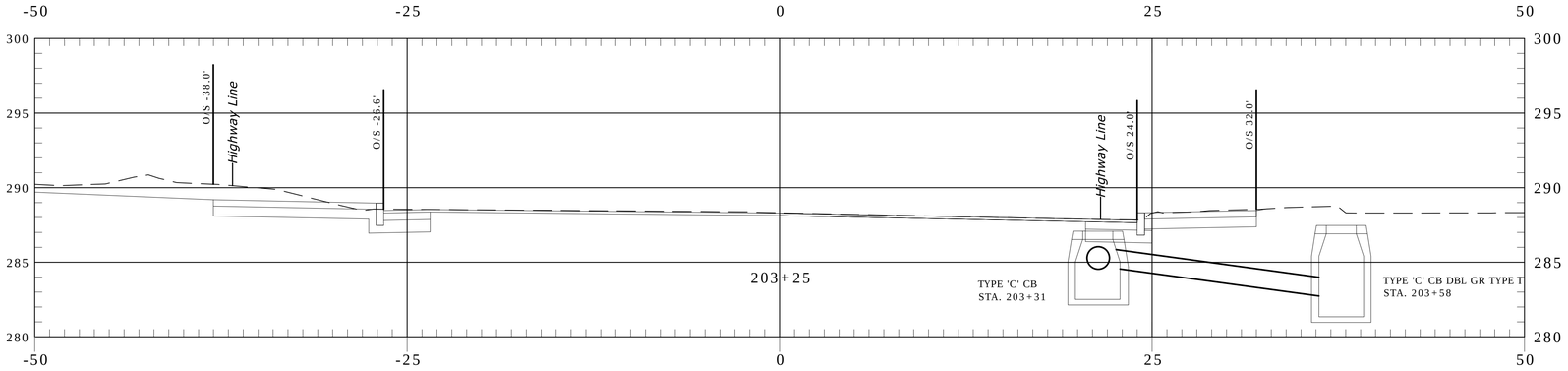
PLOT DATE: 4/20/2016

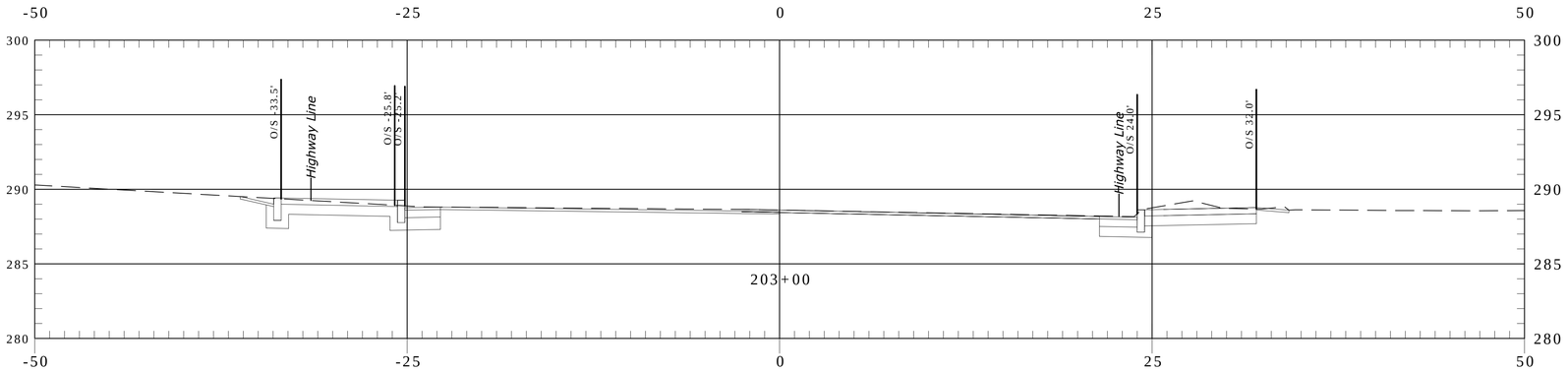
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-10**

SHEET NO.: 63







GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
5 2.5 0 5

GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **STATION ROAD CROSS SECTION, SHEET 11**

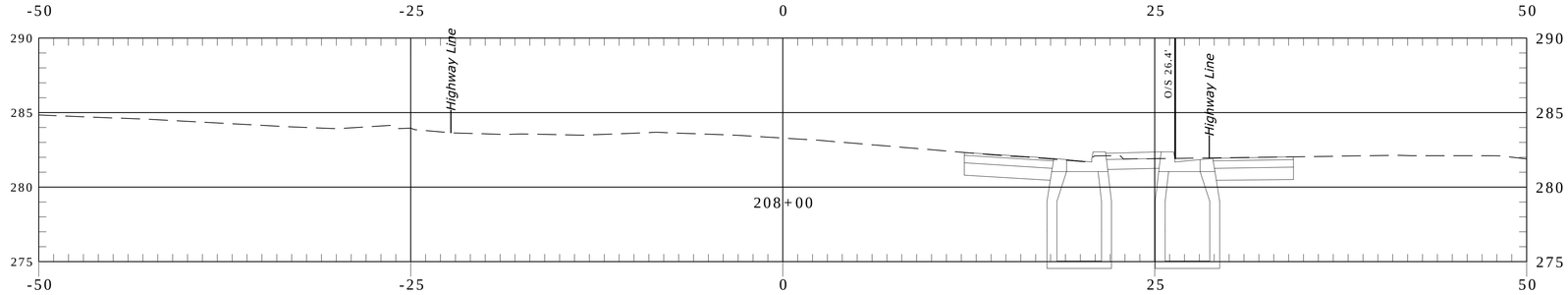
FILE NAME:----

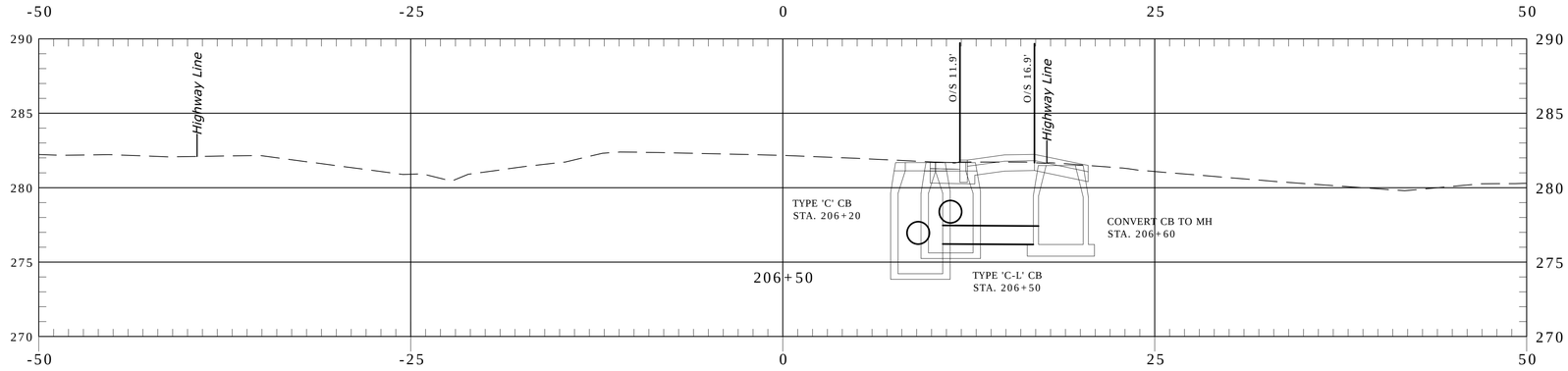
PROJECT LEADER: SM
DESIGNED BY: AG

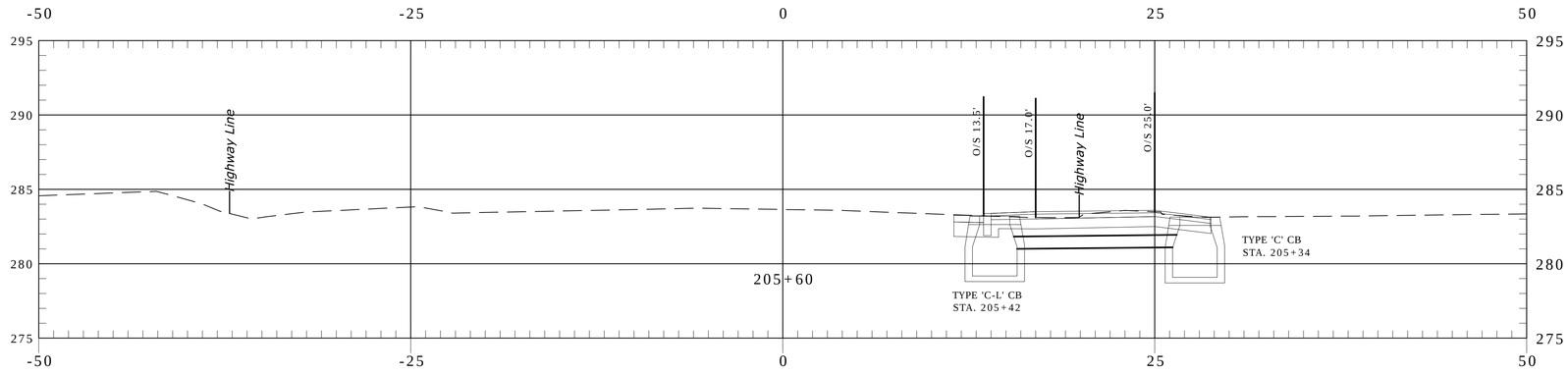
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-11**

SHEET NO.: 64







GRAPHIC SCALE
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5 2.5 0 5

GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **WHISCONIER ROAD CROSS SECTION, SHEET 12**

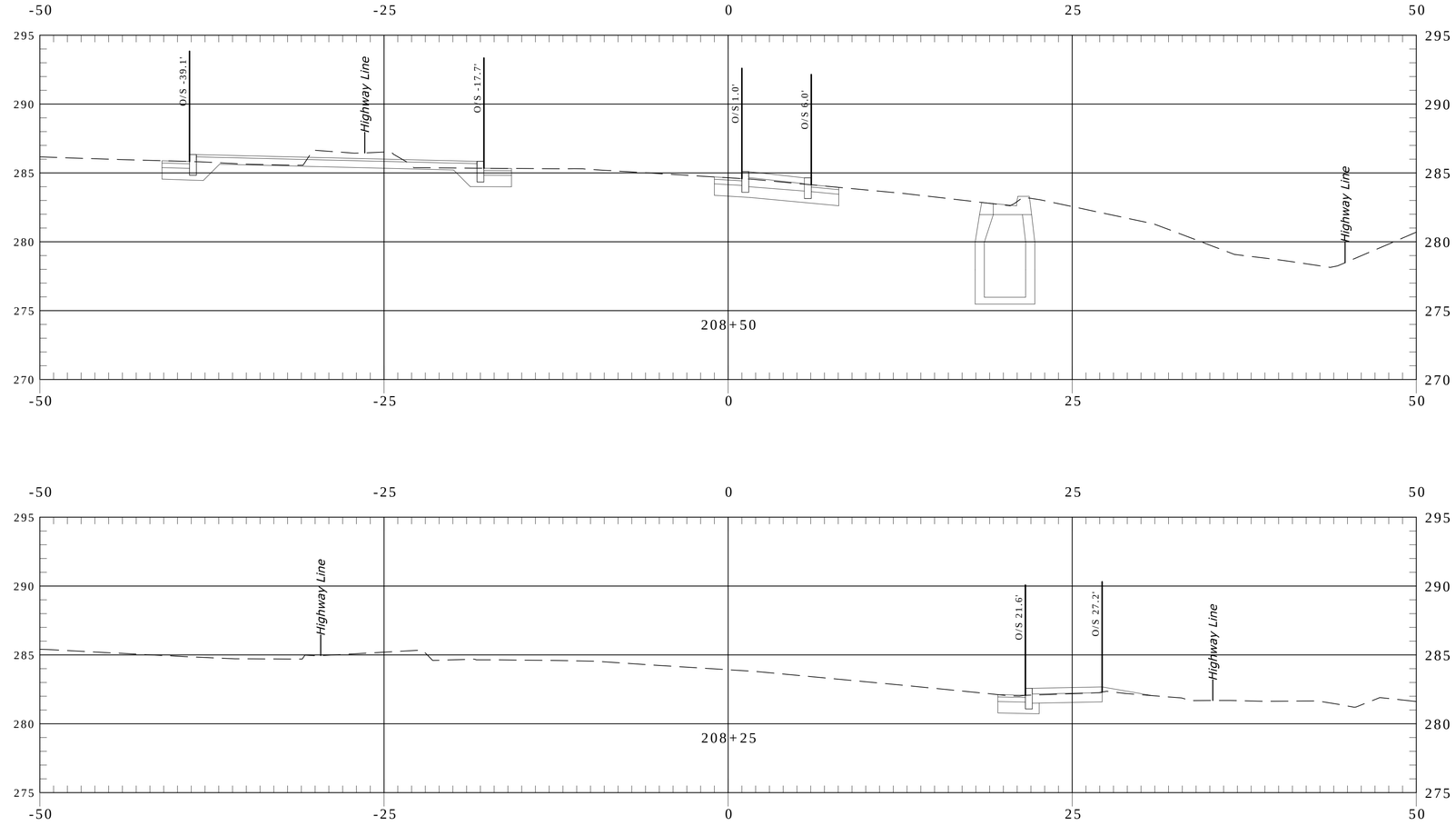
FILE NAME:----

PROJECT LEADER: SM
DESIGNED BY: AG

PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-12**

SHEET NO.: 65



GRAPHIC SCALE
HORIZONTAL SCALE IN FEET
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GRAPHIC SCALE
VERTICAL SCALE IN FEET
5 2.5 0 5

TOWN OF BROOKFIELD, CT

URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
(860) 529-8882

PROJECT NAME: **TOWN DISTRICT SIDEWALK AND ACCESS MANAGEMENT PLAN**

SHEET TITLE: **WHISCONIER ROAD CROSS SECTION, SHEET 13**

FILE NAME:----
PROJECT LEADER: SM
DESIGNED BY: AG
PLOT DATE: 4/20/2016
DRAWN BY: AG
CHECKED BY: PG

DRAWING NO.: **XS-13**
SHEET NO.: 66