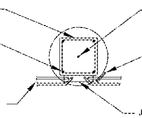
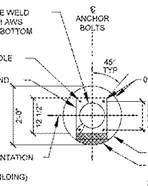
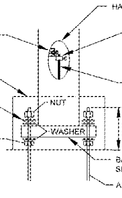


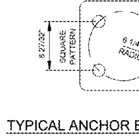
SECTION "A-A"



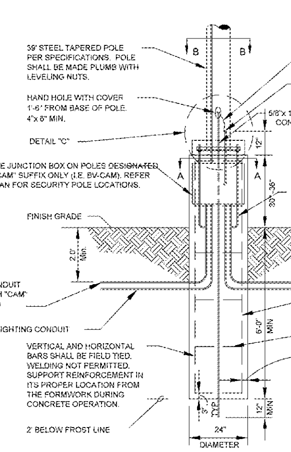
SECTION "B-B"



DETAIL "C"



TYPICAL ANCHOR BOLT SPACING



NOTES:

1. 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 REINFORCING STEEL
2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.
3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL PER SPECIFICATIONS.
4. FOUNDATION SHALL HAVE A MINIMUM ALLOWABLE END BEARING OF 2000 PSF.
5. FOUNDATION HAS BEEN DESIGNED FOR A COHESIVE SOIL BASED ON A MINIMUM COHESIVE VALUE OF 1000 PSF.
6. FOUNDATION HAS BEEN DESIGNED FOR A GRANULAR SOIL BASED ON A MINIMUM LATERAL SOIL PRESSURE OF 1000 PSF. UTILIZING AASHTO FIGURE 1.8.2C(4) OF "EMBEDMENT OF POSTS WITH OVERTURNING LOADS".
7. DETAIL FOR 39' POLE WITH MAX. FIXTURE EPA 4.6 SQ.FT.
8. ALL LIGHT POLE BASE FOUNDATIONS SHALL BE CAST-IN-PLACE. PRE-CAST LIGHT POLE BASE FOUNDATIONS ARE NOT ACCEPTABLE.

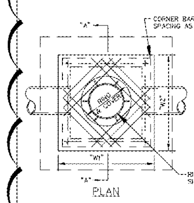
NOTE: FOR INFORMATIONAL PURPOSES ONLY, AND BOHLER ENGINEERING SHALL BE HELD HARMLESS IN THE EVENT OF A STRUCTURAL FAILURE

TYPICAL LIGHTING POLE BASE DETAIL

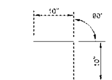
N.T.S.

TYPICAL LIGHTING POLE BASE DETAIL	10/02/07

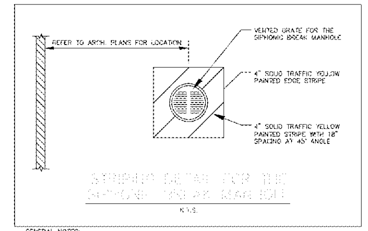
NOTE: FINAL DESIGN TO BE PROVIDED BY STRUCTURAL ENGINEER.

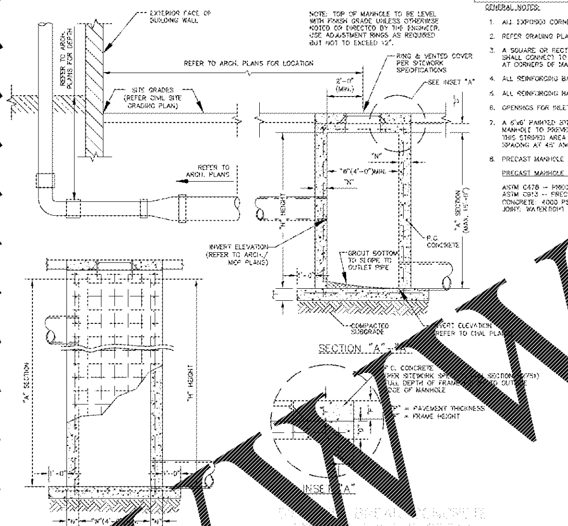


PLAN



CORNER BAR





GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. REFER GRADING PLAN FOR PIPE SIZES, LOCATIONS, AND INVERTS.
3. A SQUARE OR RECTANGULAR MANHOLE MAY BE USED IN LIEU OF A ROUND MANHOLE. PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE MANHOLE. CONNECTION SHALL NOT BE MADE AT CORNERS OF MANHOLE.
4. ALL REINFORCING BARS TO BE GRADE 60.
5. ALL REINFORCING BARS TO HAVE 2" COVER.
6. OPENINGS FOR INLET & OUTLET PIPES ARE LOCATED AS REQUIRED PER GRADING PL[illegible]
7. A 6'x6' PAINTED STRIPED AREA SHALL BE CENTERED ON THE SIPHONIC BRE[illegible] MANHOLE TO PREVENT ANY PARKING OR COVERING OF THE VENTED GRATE WIT[illegible] OBJECTS. THIS STRIPED AREA SHALL BE PAINTED WITH 4" SOLID TRAFFIC YELLOW STRIPES [illegible] SPACING AT 45° ANGLE.
8. PRECAST MANHOLE MAY BE USED UNLESS OTHERWISE NOTED OR DIRECTED BY THE E[illegible]

PRECAST MANHOLE SPECIFICATIONS

ASTM C478 – PRECAST REINFORCED CONCR[illegible]ANHOLE SECTIONS
ASTM C913 – PRECAST CONCRETE WATE[illegible]STEWATER STRUCTURES
CONCRETE: 4000 PSI AE (MIN.)
JOINT: WATERTIGHT RUBBER GASKET

REINFORCEMENT SCHEDULE, BASE	
SECTION	
"A"	#4's @ 6" E.W.

TABLE OF "W" DIMENSIONS

[illegible]	SKEW OF CROSS [illegible]		
[illegible]	STRAIGHT	30°	[illegible]
24"	[illegible]-0"	4'-[illegible]	4'-10"
30"	[illegible]	[illegible]	5'-8"
36"	[illegible]	[illegible]-3"	6'-5"
42"	[illegible]	5'-11"	7'-3"
48"	[illegible]-0"	6'-7"	8'-0"
60"	7'-0"	7'-10"	9'-8"
DOUBLE	FOR "A" SECTION ONLY		
24"	7'-0"	7'-10"	9'-5"
30"	8'-2"	9'-2"	11'-0"
36"	9'-4"	10'-6"	12'-6"
42"	10'-8"	11'-10"	14'-2"
48"	11'-8"	13'-2"	15'-10"

REINFORCEMENT SCHEDULE, WALLS

SECTION	WIDTH ("W")	HOR.	VERT.
"A"	4'	#4's @ 9"	#4's @ 10"
	BETWEEN 4' & 7'	#6's @ 9"	#4's @ 10"
	GREATER THAN 7'	#5's @ 4 1/2"	#4's @ 10"

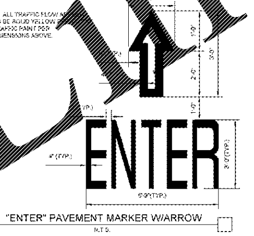
TABLE OF "T" & "N" DIMENSIONS

SECTION	WIDTH ("W")	"T"	"N"	"D"
"A"	BETWEEN 4' & 7'	6" + PIPE THICKNESS	5"	6"
	GREATER THAN 7'	9" + PIPE THICKNESS	8"	8"

REINFORCEMENT SCHEDULE, TOP

DIMENSIONS	STEEL	SPECIAL PATTERN
W1 = 7' OR LESS	#4's @ 8" E.W.	DIAGONAL @ COVER
W2 = 7' OR LESS	#4's @ 8" E.W.	DIAGONAL @ COVER
W1 = 7' OR LESS	#4's @ 5" E.W.	DIAGONAL @ COVER
W2 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER
W1 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER
W2 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER

DTSPHNOMH	02-16-[illegible]



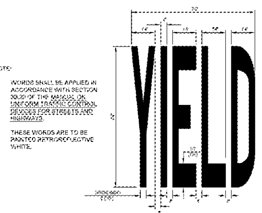
"ENTER" PAVEMENT MARKER W/ARROW

N.T.S.

CTENTER	12/17/04

NOTE:

1. WORDS SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS ARE TO BE PAINTED RETROREFLECTIVE WHITE.



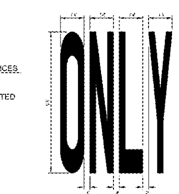
"YIELD" PAVEMENT MARKING

N.T.S.

CTYIELDM	05/04/11

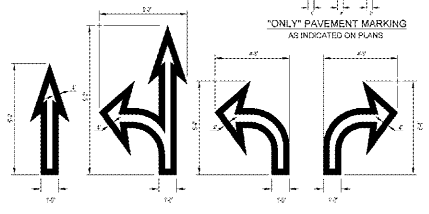
NOTES:

1. WORDS AND ARROWS SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS AND ARROWS ARE TO BE PAINTED RETROREFLECTIVE WHITE.
3. OPEN ARROWS SHALL CONSIST OF A 4" PERIMETER STRIPE.



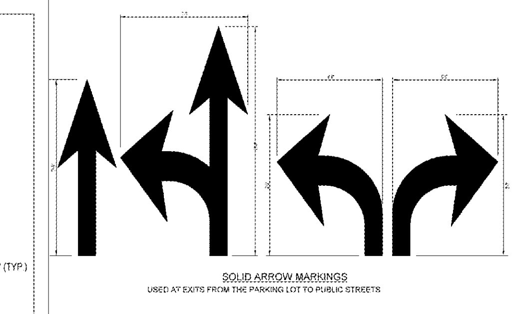
"ONLY" PAVEMENT MARKING

AS INDICATED ON PLANS



OPEN ARROW MARKINGS

USED IN THE PARKING LOT AISLES



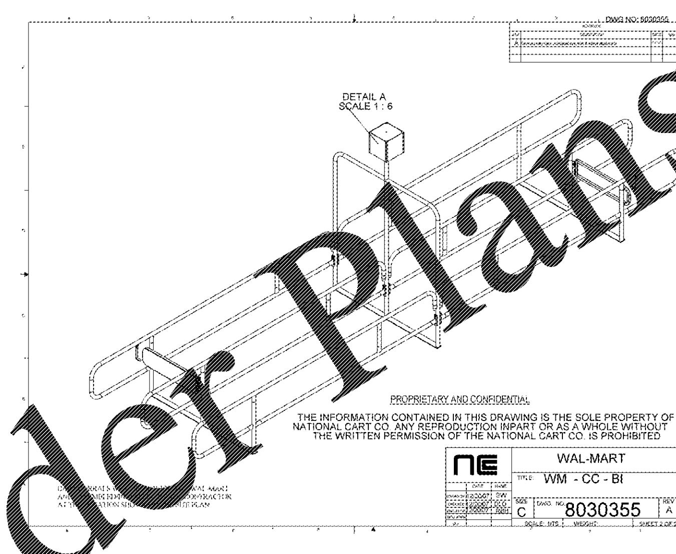
SOLID ARROW MARKINGS

USED AT EXITS FROM THE PARKING LOT TO PUBLIC STREETS

PAVEMENT MARKINGS

N.T.S.

DTRLTURN	03/03/11



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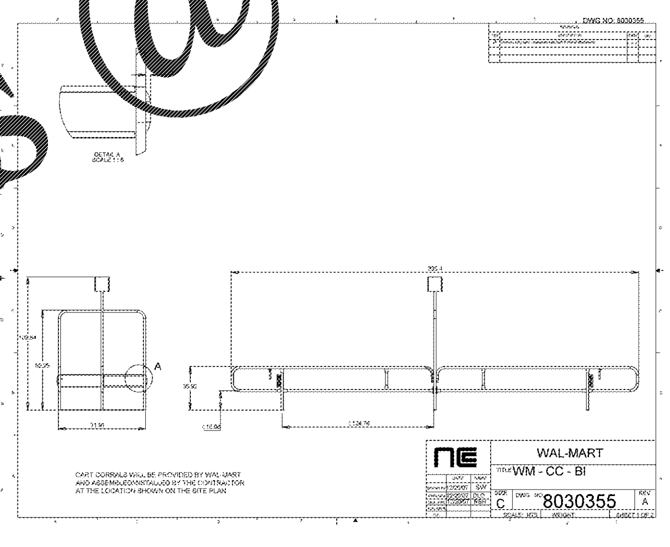

CART CORRALS WILL BE PROVIDED BY WAL-MART AND ASSEMBLED/INSTALLED BY THE CONTRACTOR AT THE LOCATION SHOWN ON THE SITE PLAN

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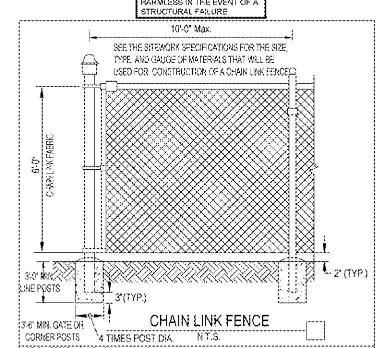

CHAIN LINK FENCE

N.T.S.

DTCHFENC	12/04/01

REVISIONS	BY
1 REVISED PER COUNTY AND TOWN COMMENTS	[illegible]
2 REVISED PER COUNTY AND TOWN COMMENTS	[illegible]
3 REVISED PER COUNTY AND TOWN COMMENTS	GRP

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22636 DAVIS DRIVE, SUITE 250
STERLING, VIRGINIA 20164
Phone: (703) 709-9500
Fax: (703) 709-9501
VA@BohlerEng.com

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CATOCTIN ELECTION DISTRICT
LEESBURG, LOUDOUN COUNTY, VA

WAL-MART STORES, INC.
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