

NO TRESPASSING AUTHORIZED VEHICLES ONLY V.H.G.

SPECIAL 24"X12"

SIGN DETAIL FOR **FOLD-DOWN BOLLARD**

SIGN SPECIFICATIONS:

1.) SIGN SPECIFICATIONS AND LANGUAGE TO BE PROVIDED BY VILLAGE OF HOMER GLEN (V.H.G.).

FOLD DOWN BOLLARD 3/4 * @ 45° CHAMFER, ALL 4 SIDES 6 X 6 CCA TREATED PINE NEEDED TO BLOCK CARS 1. BOLLARD SUPPLIERS INCLUDE TRAFFIC GUARD (877-727-7347) OR APPROVED EQUAL. 1. BOLLARD SUPLEAS INCLUDE INAPPLE GOADN (617-127-144) ON APPLVED GOAD
BOLLARDS SHALL BE DOUBLE POST MODEL WITH DOUBLE LOCKS AND OPTIONAL PIN.
2. INSTALL SO THAT BOLLARD LIES FLAT ON PAVEMENT WHEN UNLOCKED. OPEN
BOLLARD TO BE FLUSH WITH PAVEMENT AND PARALLEL TO EDGES OF TRAIL.

FOLD DOWN BOLLARD

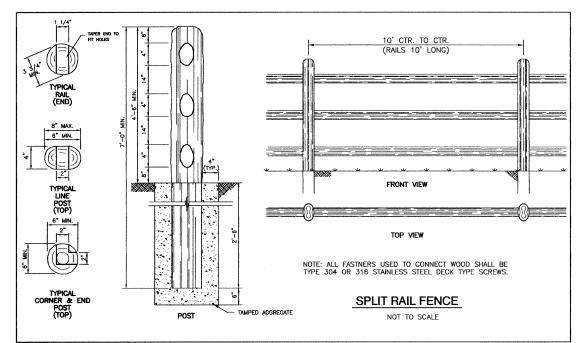
NOT TO SCALE

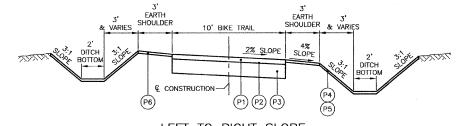
WOOD BOLLARD

NOT TO SCALE

BOLLARDS

AS REQUIRED BY FPDWC IN ACCORDANCE WITH FPDWC STANDARDS.



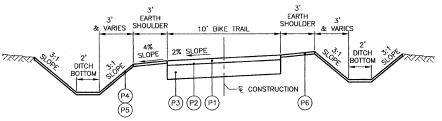


LEFT TO RIGHT SLOPE:

Sta. 53+15 to Sta. 80+50 Sta. 9+53.83 to Sta. 9+87.53 Sta. 100+12.14 to Sta. 119+29.23 Sta. 128+61 to Sta. 145+00

Sta. 160+28.67 to Sta. 178+34 Sta. 207+67.18 to Sta. 211+17 Sta. 234+40 to Sta. 256+00

Sta. 271+50 to Sta. 280+22.21



RIGHT TO LEFT SLOPE:

Sta. 95+73 to Sta. 99+53.83

Sta. 119+29.33 to Sta. 128+61

Sta. 145+00 to Sta. 156+18.38 Sta. 211+17 to Sta. 234+40

Sta. 256+00 to Sta. 271+50

BIKE TRAIL TYPICAL SECTIONS

LEGEND

- (P1) HMA SURFACE COURSE, MIX "C", N50, 2"
- (P4) FURNISHING AND PLACING TOPSOIL, 4"
- (P2) BITUMINOUS MATERIAL PRIME COAT
- (P5) SEEDING, CLASS 2A
- (P3) AGGREGATE BASE COURSE, 8"
- P6 SODDING, (SALT TOLERANT)
 SEE PLANS FOR LOCATION

EARTHWORK QUANTITIES

TOTAL CUT = 17.665 CY

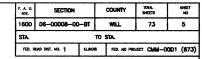
TOTAL TOPSOIL = 9,508 CY TOTAL AVAILABLE CUT TO FILL = 8,157 CY

TOTAL STRUCTURAL FILL . . . = 6,652 CY

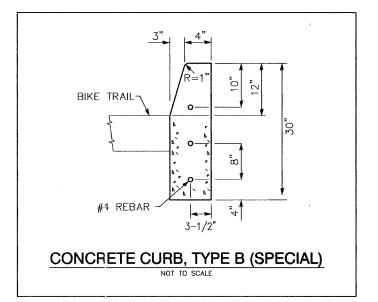
TOTAL NON-STRUCTURAL FILL = 8,523 CY

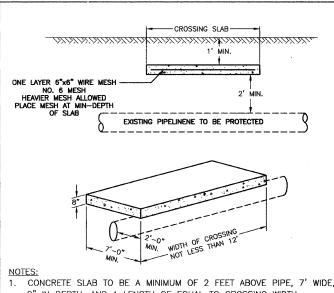
HOT-MIX ASPHALT MIXTURE REQUIREMENTS AIR VOIDS Ndes MIXTURE TYPE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm), 2" 4% @ 50 Gyr.

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



CONTRACT #63440





- 8" IN DEPTH, AND A LENGTH OF EQUAL TO CROSSING WIDTH.
- 2. CAST CONCRETE SLAB A MINIMUM OF 7 DAYS IN ADVANCE OF CONSTRUCTION WITH 3000 PSI CONCRETE.
- CONCRETE MAY BE EARTH FORMED.
- PROVIDE TEMPORARY FENCING FOR INDICATING CROSSING LOCATION.
- PREVENT CROSSING OF PIPELINE AT ALL OTHER LOCATIONS.
- 6. MAXIMUM LOADING: 15,000 LB. WHEEL LOAD.

CONCRETE PAD PIPELINE PROTECTION DETAIL

NOT TO SCALE

		ILLINOIS DEPARTMENT OF TRANSPORTATION	
REVISIONS		HOMER GLEN GMAQ COMMUNITY BIKE TRAIL	
NAME	DATE	AND EAST E	
		TYPICAL CROSS SECTION &	
		TIFICAL CHOSS SECTION &	CONSTRUCTION DETAILS
		SCALE: VERT. N/A	DRAWN BY JJB
		HORIZ. 1=1	
 <u> </u>		DATE FEBRUARY 2, 2010	CHECKED BY BDB
		DODINGON ENGINEEDING 1 TO	