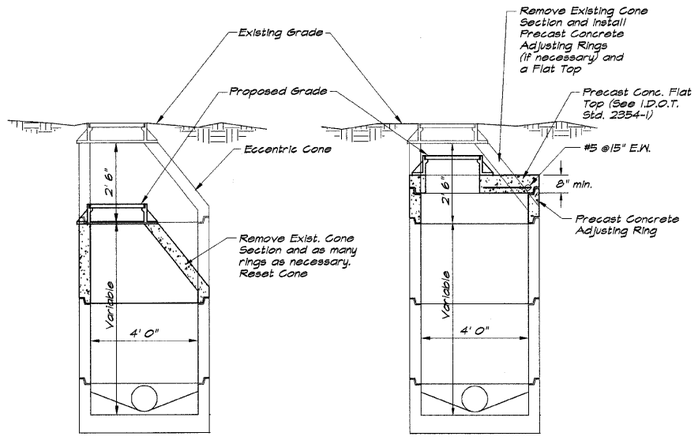
CONTRACT No 95493

ROUTE NO.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
STEVENS CREEK BIKEWAY	99-P4000-00-BP	DECATUR PARK DIST	145	38
FED. ROAD DIST. NO.		ILLINOIS	PROJECT TE-00D7(27)	

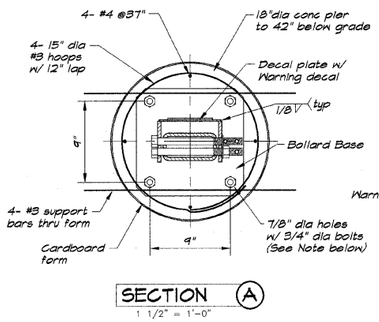


METHOD 'A' METHOD 'B'

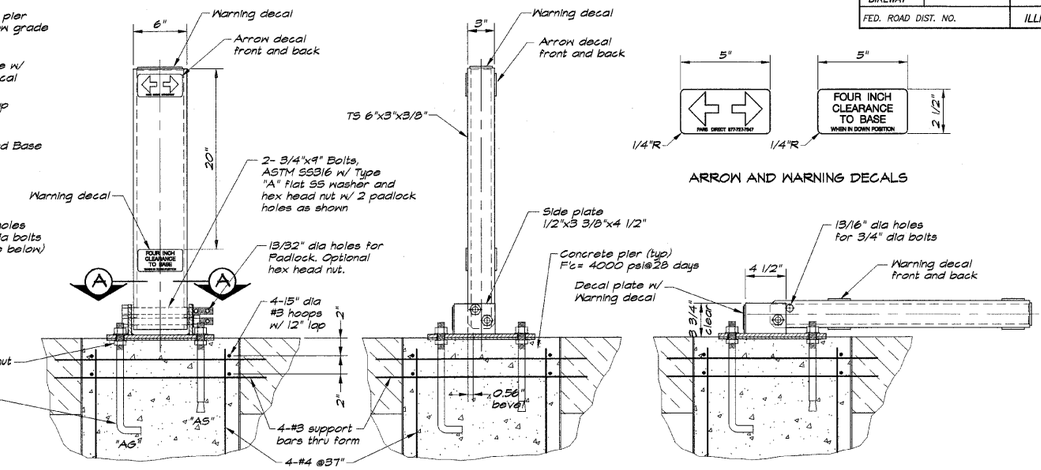
NOTES:

1. The contractor has the option of either method A or B for a downward adjustment. Shop Drawings for the Precast Concrete Top shall be submitted to the engineer for his approval prior to the delivery of the Top to the job site. Lowering may also be accomplished by removing existing adjusting rings or brick masonry.
2. This work shall be done in accordance with details herein shown and Section 602 of the Standard Specifications.
3. This work shall be paid for at the contract unit price each for "Manholes to be Adjusted (Special)" and no additional compensation shall be allowed.
4. Manholes to be raised with adjusting rings shall be paid for at the Contract Unit Price per each for "Manholes to be Adjusted".

MANHOLE ADJUSTMENT DETAIL



SECTION (A)
1 1/2" = 1'-0"



FRONT VIEW SIDE VIEW SIDE VIEW IN DOWN POSITION

Note: Use either type of anchor system

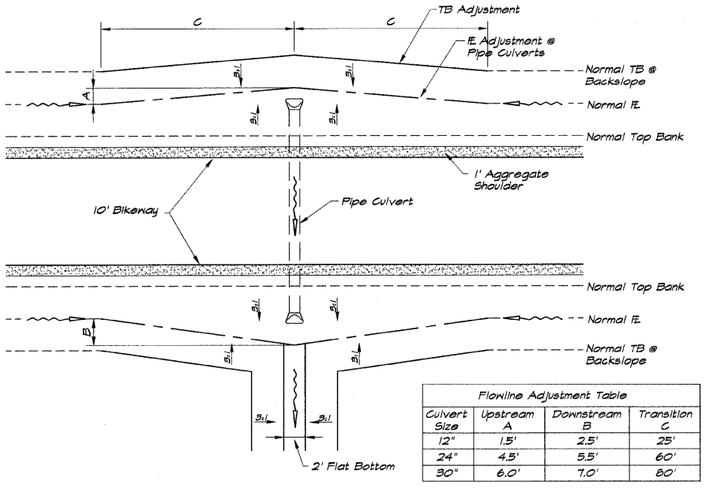
"AS" - 3/4" dia x 10" Expansion Anchor ASTM SS316 Hilti Kwik Bolt II catalog #00045440 w/ hex head nut and Type "A" flat washer. Install per specification and as noted.

"AS" - 3/4" dia x 12" ASTM A36 L-hook Anchor Bolt w/ hex head nut and Type "A" flat washer. All H.D. galvanized. Install per specification and as noted.

ARROW AND WARNING DECALS

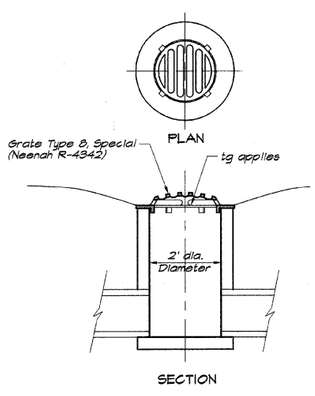
COLLAPSIBLE VEHICLE STOP DETAILS

LOW PROFILE HEAVY DUTY HINGED BOLLARD
1 1/2" = 1'-0"



Flowline Adjustment Table			
Culvert Size	Upstream A	Downstream B	Transition C
12"	1.5'	2.5'	25'
24"	4.5'	5.5'	60'
30"	6.0'	7.0'	80'

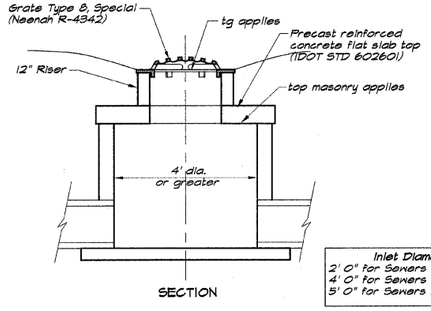
FLOW LINE ADJUSTMENT AT PIPE CULVERTS



PLAN
SECTION

INLET, SPECIAL NO 1

1/2" = 1'-0"

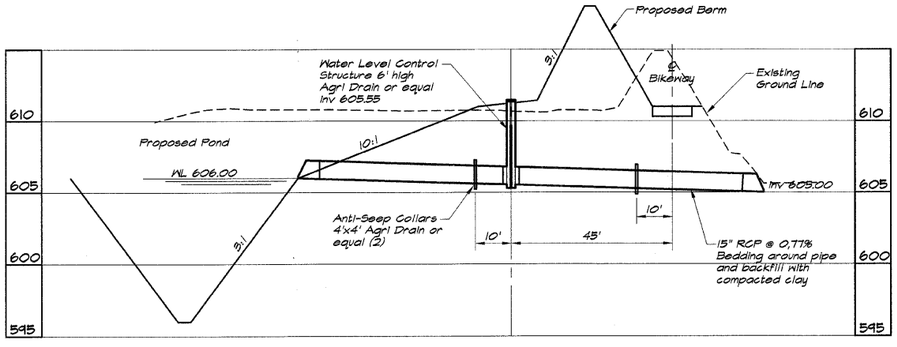


SECTION

Inlet Diameter
2' 0" for Sewers 12" or Smaller
4' 0" for Sewers 15" to 18"
5' 0" for Sewers 21" or larger

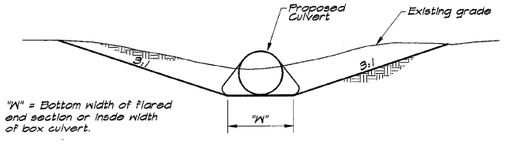
INLET, SPECIAL NO 2

1/2" = 1'-0"



WATER LEVEL CONTROL STRUCTURE

A.R. 407+00
1"= 20'



"W" = Bottom width of flared end section or inside width of box culvert.

Where indicated on the plans and in locations where positive drainage does not exist after the installation of pipe or box culverts, a drainage swale shall be constructed to the nearest natural drainage way. Per the Typical Section above and having a minimum IE slope of 0.30%. Required elevation is included in "Earth Excavation".

TYPICAL SWALE TO DRAIN CULVERT

BATHBRIDGE GEE & ASSOCIATES, INC.
MILANSKI
Consulting Engineers
1870 SOUTH TAYLORVILLE ROAD
DECATUR ILLINOIS
Illinois License 184-001350

REVISIONS

NO.	BY	DATE

DESIGNED DLW
DRAWN P. mills
SCALE 1"= 50'
DATE May 2002
FIELD BOOK XXX
JOB NO. 99049

DECATUR PARK DISTRICT
STEVENS CREEK BIKEWAY - PHASE I
STANDARD DETAILS

SHEET NO. 38 OF 145