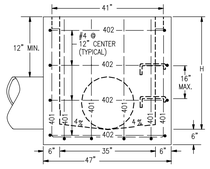
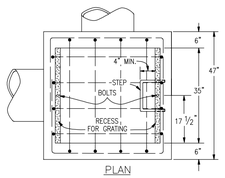
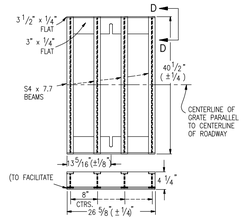


ELEVATION
CONCRETE INLET

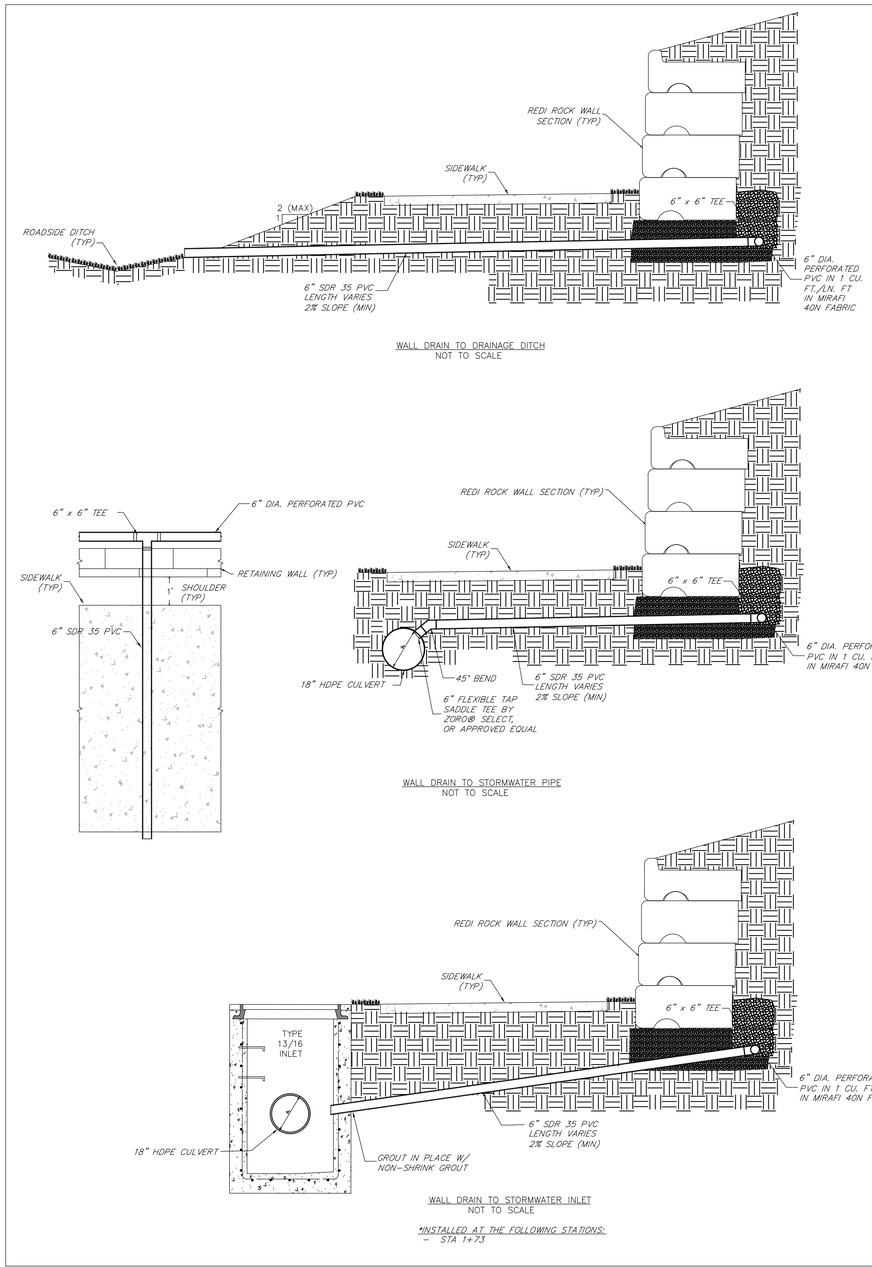


PLAN



STANDARD INLET GRATE

TYPE C INLET



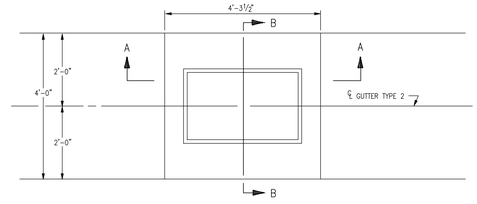
WALL DRAIN TO DRAINAGE DITCH
NOT TO SCALE

WALL DRAIN TO STORMWATER PIPE
NOT TO SCALE

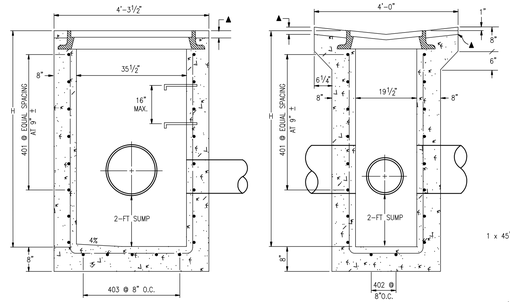
WALL DRAIN TO STORMWATER INLET
NOT TO SCALE

*INSTALLED AT THE FOLLOWING STATIONS:
- STA 1+73

WALL DRAIN DETAILS
N.T.S.



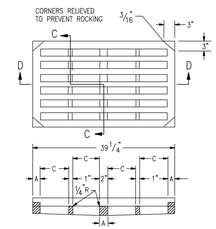
PLAN OF TYPE 13/16 INLET FOR GUTTER TYPE 2



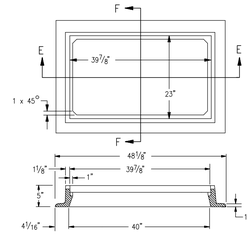
SECTION A–A

SECTION B–B

TYPE 13/16 INLET

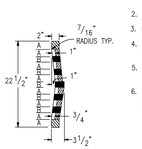


SECTION D–D
NO. 13/16 GRATE



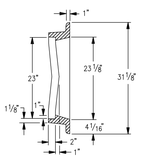
SECTION E–E
NO. 13/16 GRATING & FRAMES

APPROX. WEIGHT 590 LBS.



SECTION C–C

A = 1 ¾"
B = 11 11/16"
C = 7 15/16"



SECTION F–F

NOTE:
SEE PLAN DETAILS FOR LOCATION AND SIZE OF PIPE.

▲ WHEN BITUMINOUS MATERIAL IS TO EXTEND TO THE EDGE OF THE GRATING FRAME, CONCRETE MAY BE DEPRESSED.

GENERAL NOTES

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST–IN–PLACE OR PRECAST.
2. CAST–IN–PLACE CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES.
3. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾ IN.
4. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
5. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.–6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
6. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.

QUANTITIES

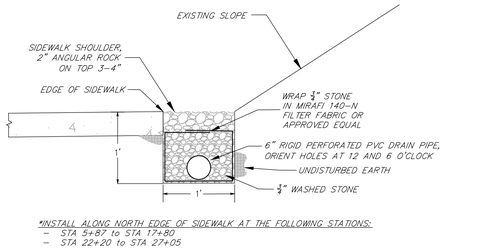
H	CONCRETE CU. YD.	REINFORCING STEEL θ LB.	NO. OF 401 BARS REQ'D.
3'–0"	1.3	72	4
3'–6"	1.5	76	4
4'–0"	1.6	90	5
4'–6"	1.8	104	6
5'–0"	1.9	109	6
5'–6"	2.1	122	7
6'–0"	2.2	136	8
6'–6"	2.4	141	8
7'–0"	2.5	154	9
7'–6"	2.7	168	10
8'–0"	2.8	173	10
8'–6"	3.0	187	11
9'–0"	3.1	200	12
9'–6"	3.3	205	12
10'–0"	3.4	219	13

θ INCLUDES 1% FOR OVERRUN.
NOTE: CONCRETE QUANTITIES INCLUDE VOLUME OCCUPIED BY PIPE.

BAR LIST FOR H=3'–0"

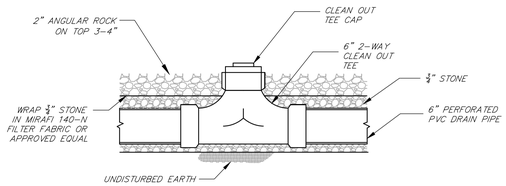
MARK	NO. REQ'D.	DIMENSIONS X	DIMENSIONS Y	LENGTH
401	4	3'–6"	2'–2"	13'–4"
402	2	3'–4½"	* 2'–6½"	8'–5½"
403	5	2'–1½"	* 2'–7"	7'–2½"

* ADD 6 IN. TO THIS DIMENSION FOR EACH 6 IN. INCREASE OF "H" OVER 3 FT.–0 IN.

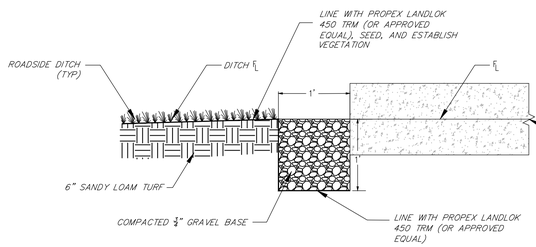


*INSTALL ALONG NORTH EDGE OF SIDEWALK AT THE FOLLOWING STATIONS:
- STA 5+87 to STA 17+80
- STA 22+20 to STA 27+05

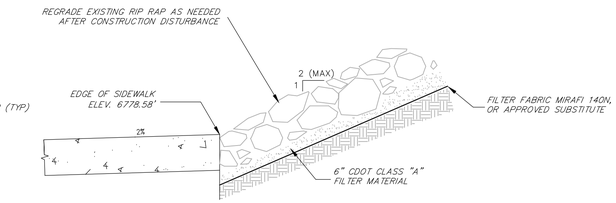
PERVIOUS SIDEWALK SHOULDER FRENCH DRAIN
N.T.S.



PERVIOUS SIDEWALK SHOULDER FRENCH DRAIN CLEANOUT DETAIL
N.T.S.



STANDARD CURB & GUTTER TO ROADSIDE DITCH DETAIL
N.T.S.



STA 14+40 RIP RAP REGRADING DETAIL
N.T.S.

FOUR POINTS SURVEYING
440 S. Lincoln Ave, Suite 4A
P.O. Box 775966
Steamboat Springs, CO 80487
(970)-871-6772
www.fourpointsse.com

No.	DATE	REVISIONS
INT		

STEAMBOAT AIRPARK SUBDIVISION
CONSTRUCTION DRAWINGS

GLORIA GOSSARD PARKWAY
STEAMBOAT SPRINGS, CO 80487

Horizontal Scale
5' 0 2.5' 5'
1" = 5'

DATE: 12-1-2023
JOB #: 1992-001
DRAWN BY: MDM
DESIGN BY: MDM
REVIEW BY: RL

IF THIS DRAWING IS PRESENTED IN A FORMAT OTHER THAN 24" X 36", THE GRAPHIC SCALE SHOULD BE UTILIZED.

DRAWING:
SIDEWALK DRAINAGE DETAILS

SHEET #
C8