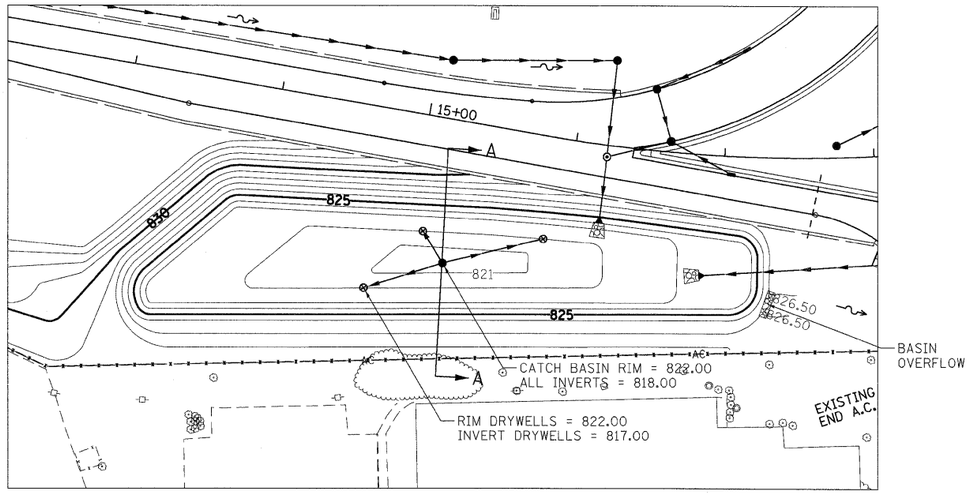
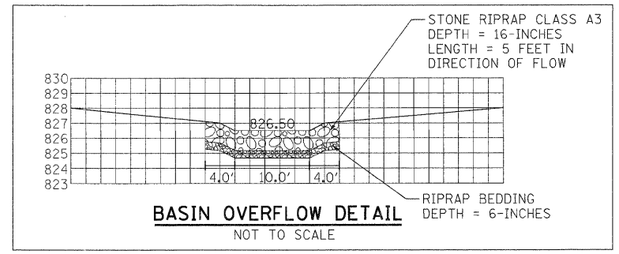
DETENTION BASIN 3

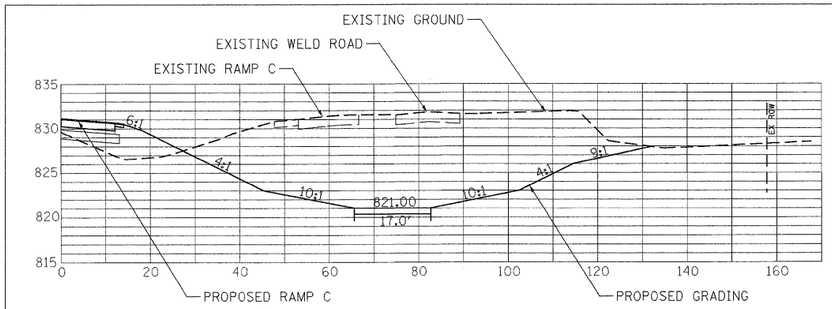




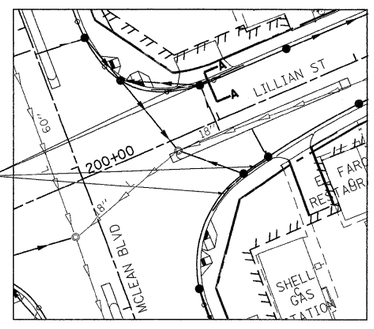
BASIN OVERFLOW DETAIL
NOT TO SCALE

DETENTION BASIN 3 INFORMATION

100-YEAR DETENTION VOLUME REQUIRED = 0.96 AC-FT
DETENTION VOLUME PROVIDED = 1.17 AC-FT
100-YEAR, 24-HOUR HIGH WATER ELEVATION = 822.25
OVERFLOW ELEVATION = 826.50

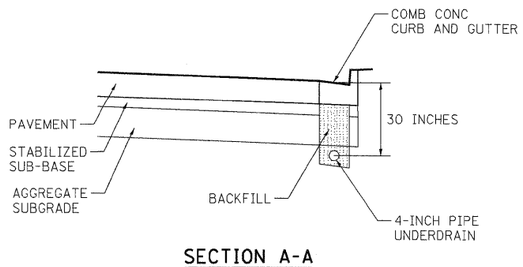


SECTION A-A
NOT TO SCALE
STA. 95+00



30-FOOT (TYP.) LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT LOW POINTS (AS SHOWN ON DRAINAGE PLANS).

LILLIAN ST AND MCLEAN BLVD PLAN VIEW
SCALE: 1" = 50'

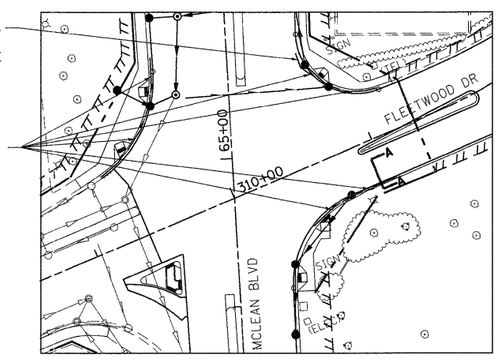


SECTION A-A
NOT TO SCALE

LONGITUDINAL PIPE UNDERDRAINS

EXACT UNDERDRAIN LOCATIONS TO BE ADJUSTED IN FIELD TO AVOID PROPOSED DRAINAGE STRUCTURES AND UTILITIES.

30-FOOT (TYP.) LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT LOW POINTS (AS SHOWN ON DRAINAGE PLANS).



FLEETWOOD DR AND MCLEAN BLVD PLAN VIEW
SCALE: 1" = 50'

NOTES:

1. ALL PIPE UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 601 OF THE STANDARD SPECIFICATIONS.
2. ALL LONGITUDINAL PIPE UNDERDRAINS SHALL CONSIST OF WRAPPED FLEXIBLE PIPE.
3. THE EXACT LOCATION AND LAYOUT OF LONGITUDINAL PIPE UNDERDRAINS SHALL BE ADJUSTED IN THE FIELD AS NEEDED TO AVOID CONFLICTS WITH UTILITIES, PROPOSED STORM SEWERS AND PROPOSE DRAINAGE STRUCTURES.
4. REFER TO IDOT STANDARD DRAWING 601001-03 FOR TRENCH WIDTH.
5. SEE TYPICAL SECTIONS FOR DETAILS OF PAVEMENT, SUB-BASE, SUBGRADE, AND CURB AND GUTTER.

SCHEDULE OF LONGITUDINAL PIPE UNDERDRAIN LOCATIONS

ROAD	FROM STA	FROM OFFSET	TO STA	TO OFFSET	LENGTH (FEET)
FLEETWOOD	310+42	38.1 RT	310+71	29.7 RT	30
FLEETWOOD	310+75	29.8 RT	311+05	29.6 RT	30
FLEETWOOD	309+24	48.7 LT	309+70	77.8 LT	55
FLEETWOOD	310+89	42.8 LT	311+16	30.2 LT	30
MCLEAN	65+40	53.1 LT	65+70	51.2 LT	30
MCLEAN	65+45	65.2 RT	65+67	46.6 RT	30
LILLIAN	200+66	36.6 LT	200+95	27.3 LT	30
LILLIAN	200+99	27.4 LT	201+29	27.3 LT	30
LILLIAN	200+71	54.2 RT	200+98	41.0 RT	30
LILLIAN	201+03	401. RT	201+17	37.4 RT	15