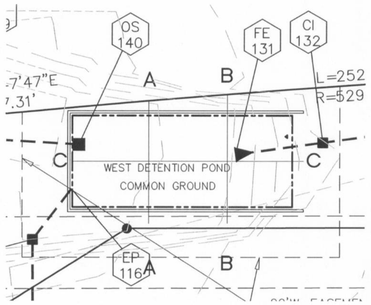
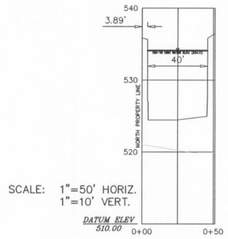
DETENTION BASIN DETAILS
O'FALLON STATION
INFRASTRUCTURE PLANS
JAN. 5, 2006 04126.D00

REV. 5/10/06

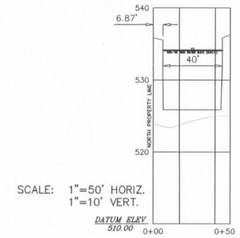


WEST DETENTION BASIN
SCALE: 1:30



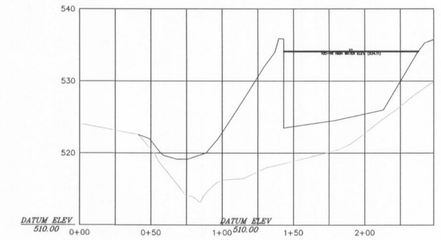
SCALE: 1"=50' HORIZ.
1"=10' VERT.

WEST DETENTION BASIN
SECTION 'A'



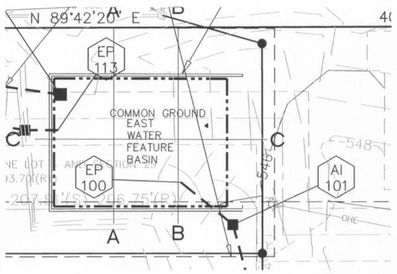
SCALE: 1"=50' HORIZ.
1"=10' VERT.

WEST DETENTION BASIN
SECTION 'B'

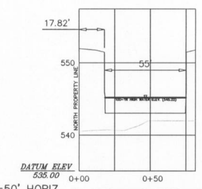


SCALE: 1"=50' HORIZ.
1"=10' VERT.

WEST DETENTION BASIN
SECTION 'C'

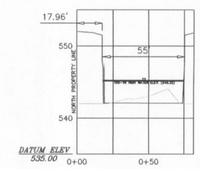


EAST DETENTION BASIN
SCALE: 1:30



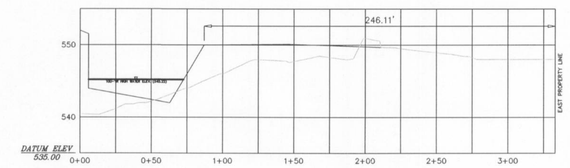
1"=50' HORIZ.
1"=10' VERT.

EAST DETENTION BASIN
SECTION 'A'



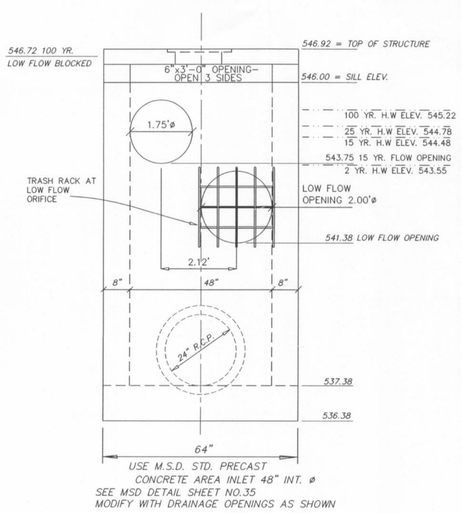
SCALE: 1"=50' HORIZ.
1"=10' VERT.

EAST DETENTION BASIN
SECTION 'B'



SCALE: 1"=50' HORIZ.
1"=10' VERT.

EAST DETENTION BASIN
SECTION 'C'

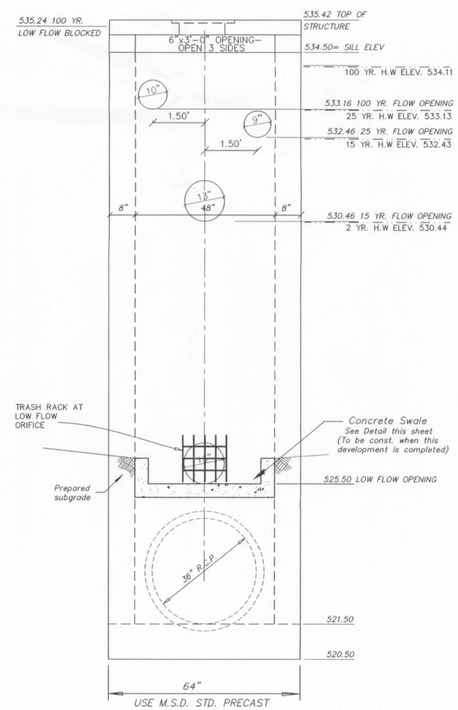


USE M.S.D. STD. PRECAST
CONCRETE AREA INLET 48" INT. ø
SEE MSD DETAIL SHEET NO.35
MODIFY WITH DRAINAGE OPENINGS AS SHOWN

ADJUSTMENT TO OUTFALL STRUCTURE
WITH BRICK WILL NOT BE ALLOWED

IT IS THE MANUFACTURER'S RESPONSIBILTY
TO SUPPLY MSD WITH SHOP DRAWINGS
SHOWING THE REQUIRED STEEL IN THIS
STRUCTURE.

OVERFLOW STRUCTURE "99"
EAST LAKE BASIN



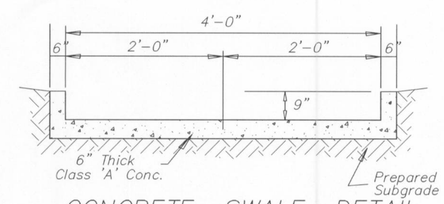
USE M.S.D. STD. PRECAST
CONCRETE AREA INLET 48" INT. ø

SEE MSD DETAIL SHEET NO.35
MODIFY WITH DRAINAGE SLOT AS SHOWN

ADJUSTMENT TO OUTFALL STRUCTURE
WITH BRICK WILL NOT BE ALLOWED

IT IS THE MANUFACTURER'S RESPONSIBILTY
TO SUPPLY MSD WITH SHOP DRAWINGS
SHOWING THE REQUIRED STEEL IN THIS
STRUCTURE.

OVERFLOW STRUCTURE "140"
WEST DETENTION BASIN



CONCRETE SWALE DETAIL

MINIMUM LONGITUDINAL SLOPE SHALL BE 1%

ENGINEERS CERTIFICATION:
The following applies to ALL sheets and documents involved in the preparation of the plans and documents for this project. The responsibility for Professional Engineering liability on this project is limited to the set of plans displaying the signature and an original stamped seal of the Engineer on each sheet. ALL reponsibility is Disclaimed: until ALL review agency approvals are granted; for all other plan sheets issued prior to this issue date; for this set when another set is issued after this date; if the sheets are used individually instead of a set. This applies for ALL sheets and documents involved in this project whether this certification appears on it or not. Copyright. All Rights Reserved.
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ZAVRADINOS ENGINEERING & SURVEYING

STATE OF MISSOURI
STEVEN W. POLK
NUMBER E-18668
REGISTERED PROFESSIONAL ENGINEER

8/17/06
STEVEN W. POLK E-18668 DATE

DETENTION BASIN DETAILS

PLANNING & ZONING FILE NO. 2204.03