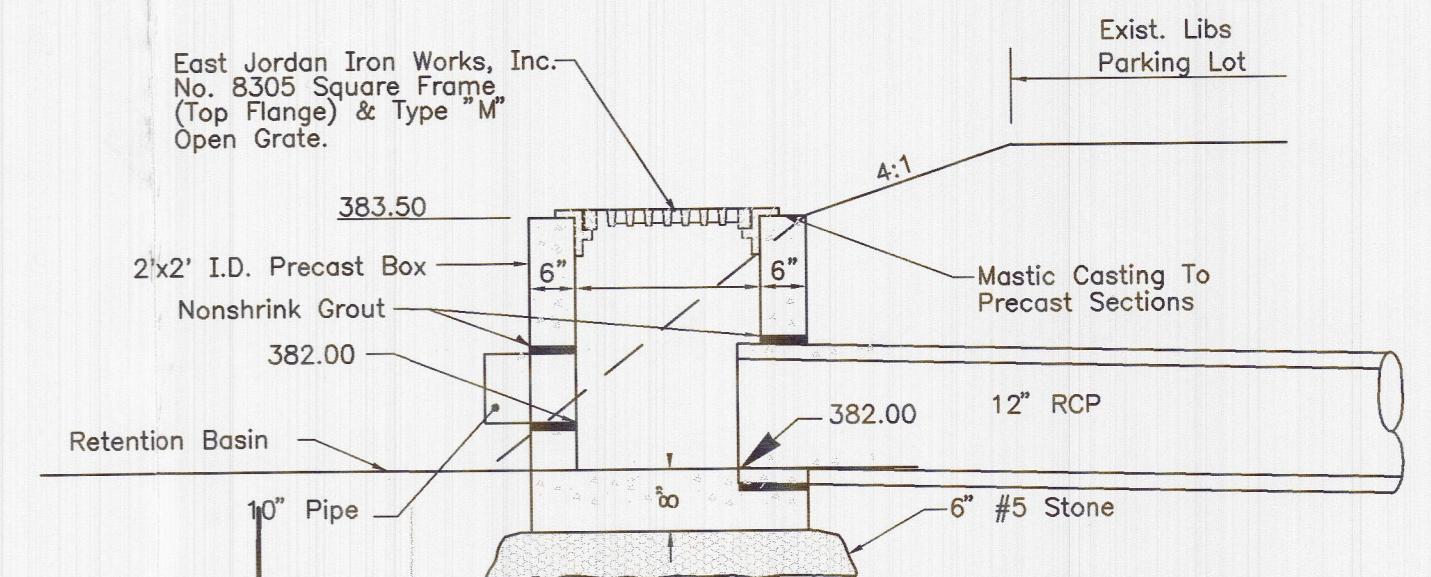
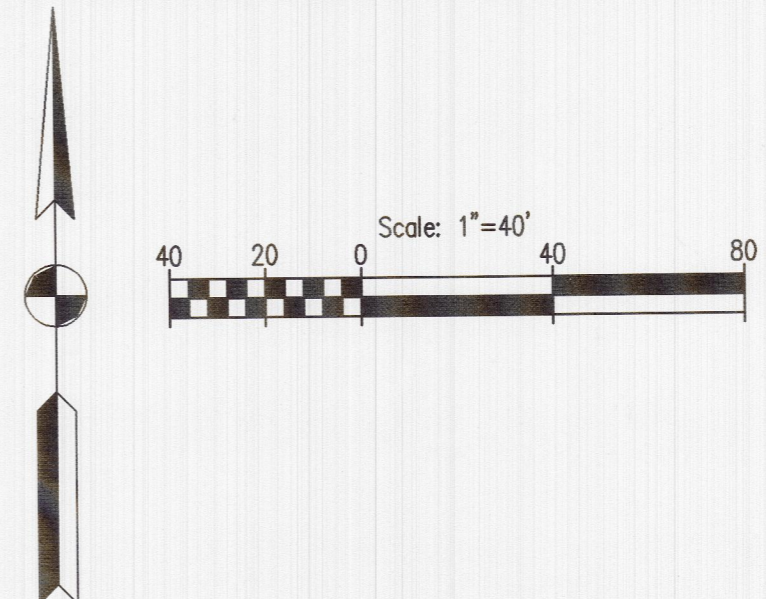


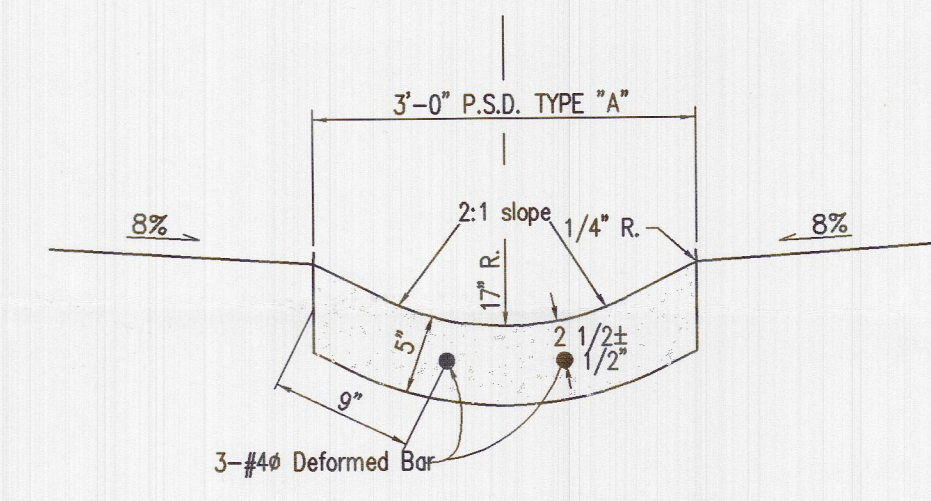
FINAL DRAINAGE PLAN

LOTS 7/8/9A & 9B

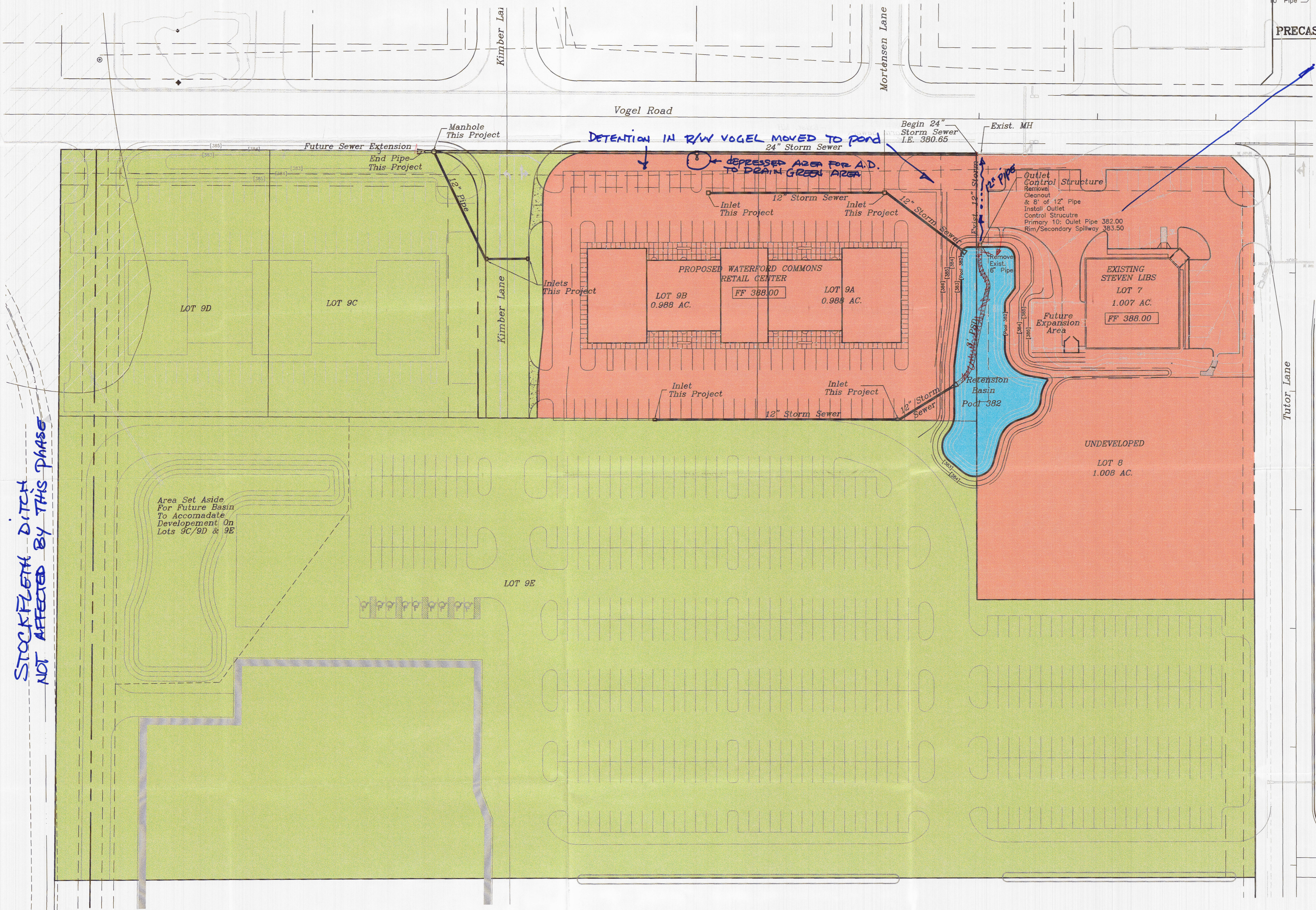
WATERFORD PLACE SUBDIVISION



PRECAST OUTLET CONTROL STRUCTURE
Not To Scale



DETAIL OF PAVED SIDE DITCH



STOCKFLETH DITCH NOT AFFECTED BY THIS PHASE

HYDRAULIC SUMMARY

METHOD: Rational $Q=cia$
Undeveloped Runoff Coefficient $c=0.20$
Wtd. Developed Runoff Coefficient $c=0.62$
Total Area = 3.99 Acres
Intensity 10 year = 2.74
Time of Concentration = 31 min.
Allowable Outflow $Q=cia = (2)(2.74)(3.99) = 2.19$
Req'd. Storage = (25 Year) 14,490 CF
= (100 Year) 19,366 CF

Available Storage:
Pool 382.00 to Elev. 383.00 = 10,236
Pool 382.00 to Elev. 384.00 = 23,021
Pool 382.00 to Elev. 384.50 = 30,548

Outlet Control Structure
Primary 10' Pipe
Secondary Overflow Box w/ 12' outlet Pipe

LEGEND

- AREA BEING CONSIDERED FOR FINAL DRAINAGE APPROVAL
- REMAINDER OF LOT 9 REPLAT HAVING PRELIMINARY APPROVAL