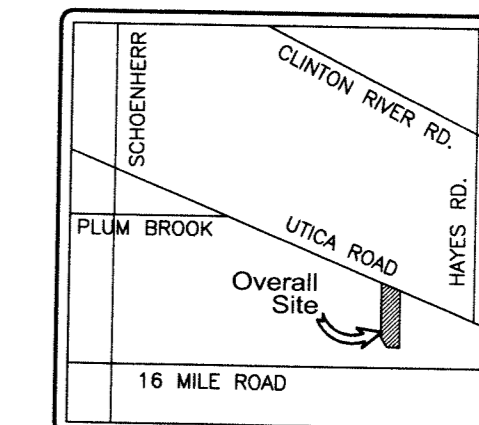
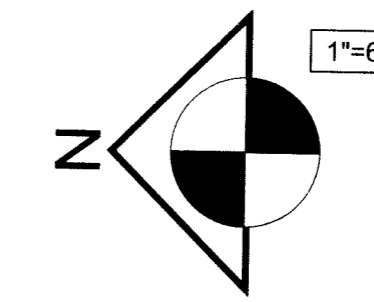


### Site Benchmarks

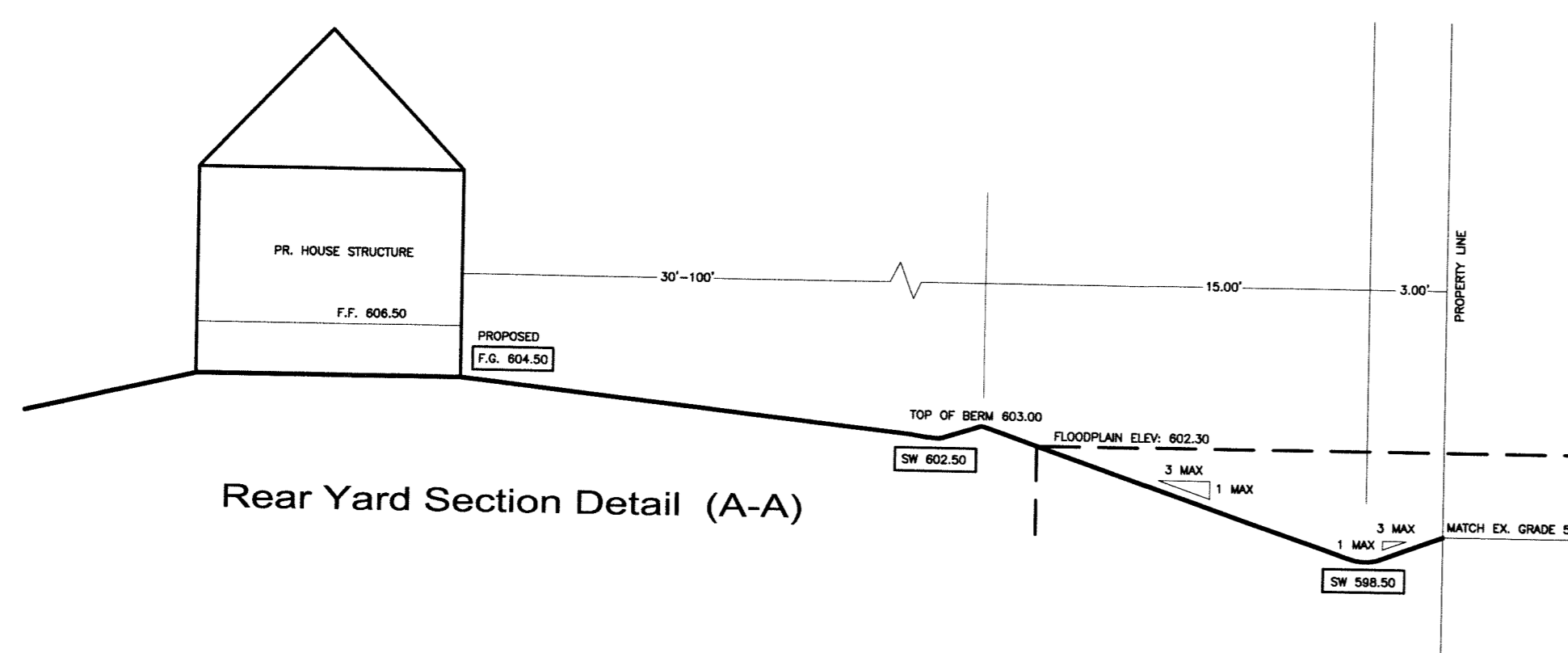
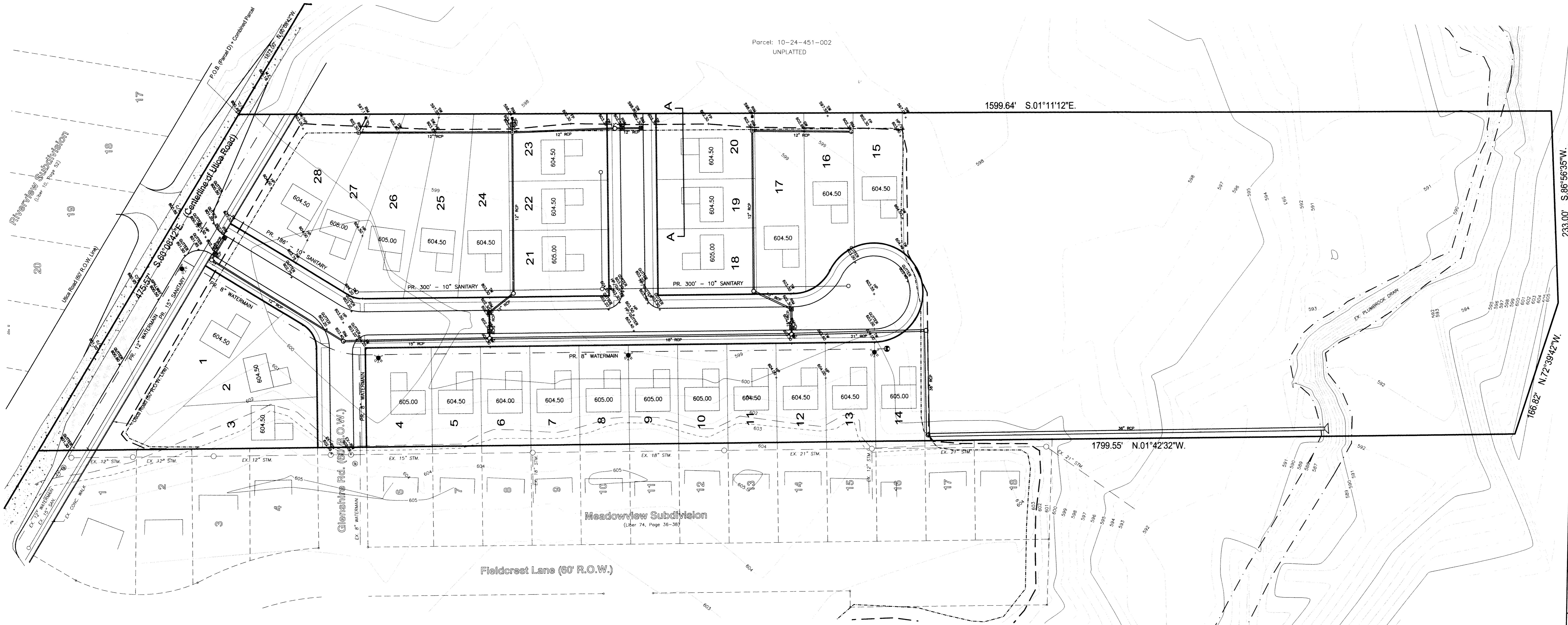
- BENCH MARK NO. 1: FEMA BENCHMARK NAVD 88 RM 5 MACOMB COUNTY ROAD COMMISSION CONCRETE MONUMENT STAMPED "CADE" 38" LOCATED ON SOUTHWEST CORNER OF UTICA ROAD AND PLUMBROOK ROAD.  
ELEVATION = 605.22
- BENCH MARK NO. 2: R.R. SPIKE IN SOUTH FACE OF UTILITY POLE LOCATED ON THE NORTH SIDE OF UTICA ROAD 300' EAST OF WESTERLY PROPERTY LINE  
ELEVATION = 601.04

# Proposed Preliminary Utility and Grading Plan



Location map  
NOT TO SCALE

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### Utility Legend:

- PR. INLET
- ☼ PR. HYDRANT
- ⊙ PR. GATE VALVE

### Legend:

- 000 — PROPERTY LINE
- 000 — EXISTING CONTOUR
- 000 — PROPOSED CONTOUR
- EXISTING FLOODWAY BOUNDARY PER FEMA
- - - EXISTING FLOODPLAIN 1% ANNUAL CHANCE OF FLOOD = 602.30
- - - EXISTING FLOODPLAIN 0.2% ANNUAL CHANCE OF FLOOD = 602.70
- - - PROPOSED FLOODPLAIN 1% ANNUAL CHANCE OF FLOOD = 602.30
- - - PROPOSED FLOODPLAIN 0.2% ANNUAL CHANCE OF FLOOD = 602.90
- - - EXISTING WETLAND LINE
- - - EXISTING EDGE OF DRAIN LINE
- 000.00 PROPOSED GRADES
- EXISTING ASPHALT SURFACE ROAD
- PROPOSED ACCEL./DECEL. AND BYPASS LANE

CLIENT:	G-MAR DEVELOPMENT
PROJECT LOCATION:	STERLING HEIGHTS
DATE:	11-16-12
SCALE:	1"=60'

## PROPOSED UTILITY PLAN

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PRELIMINARY	CONSTRUCTION	AS-BUILT
Drawn By:	G.M.	
Checked By:	S.M.	
Approved By:	S.M.	

Revisions:	Date:	By:
PER MDEQ	05-17-13	G.M.
LOT LAYOUT	08-21-13	G.M.