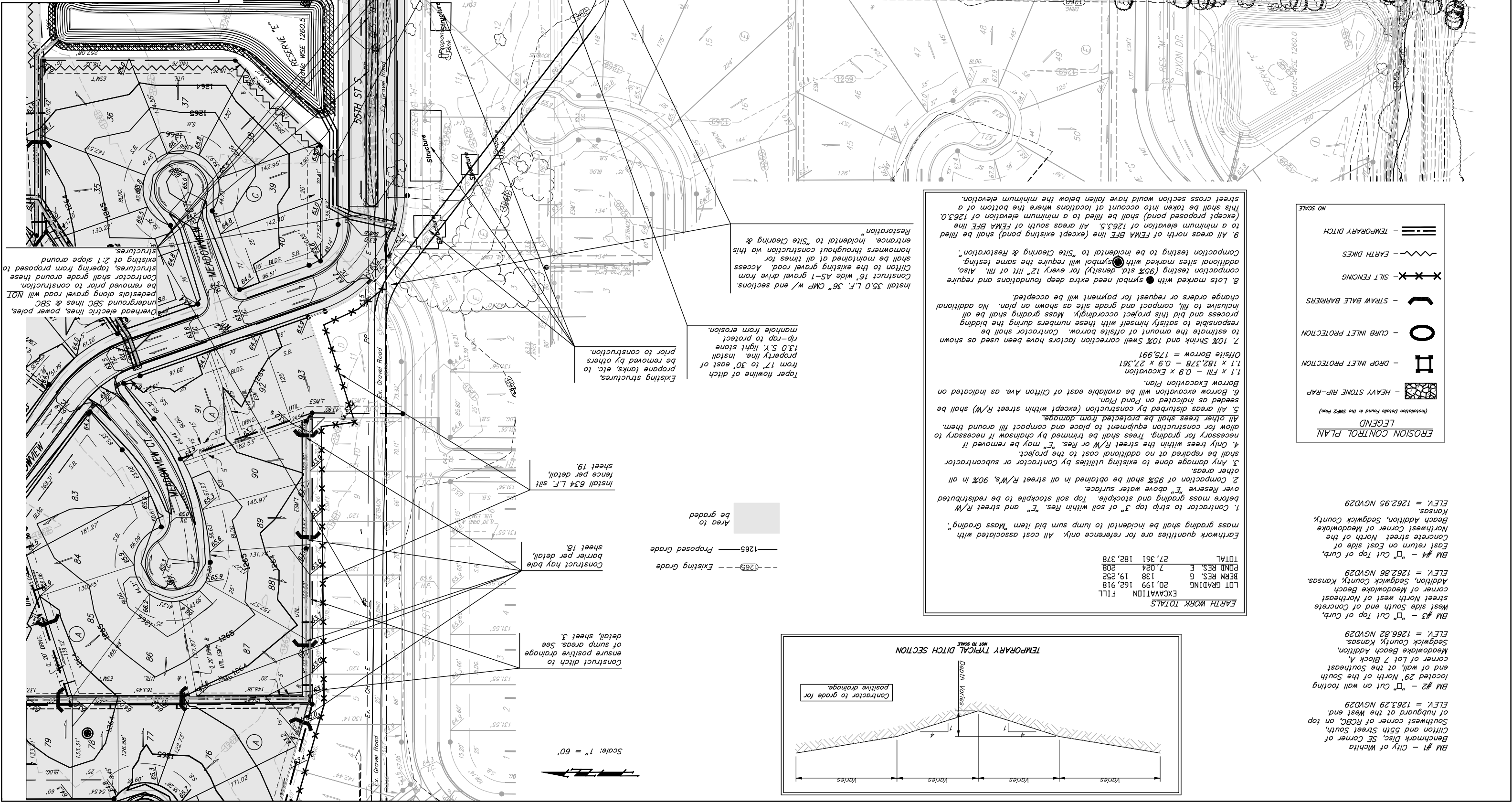


**MEADOWLAKE BEACH ADDITION**  
**MASS GRADING PLAN**  
**WICHITA, KANSAS**  
**Baughman**

Engineering Company, P.A. 315 Main St., Wichita, KS 67211 315-620196  
 ENGINEERING SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 468-84302  
 REVISIONS:  
 DATE APPROVED 03-07  
 SCALE None  
 SHEET 3 OF 22  
 06-10-8676



**EARTH WORK TOTALS**

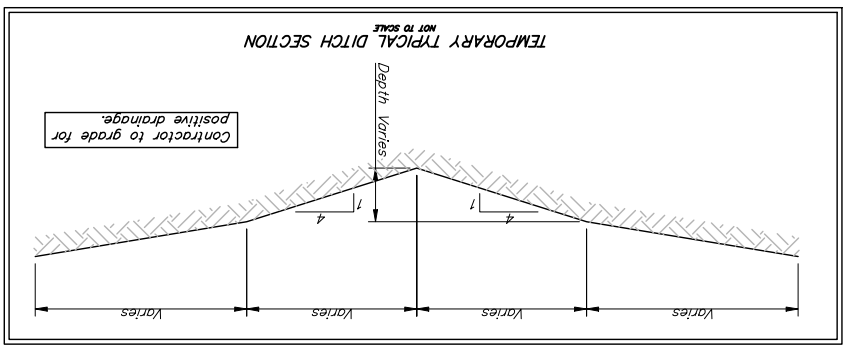
EXCAVATION	20,199	162,918
LOT GRADING	20,199	162,918
BERM RES. G	138	19,252
POND RES. E	7,024	208
TOTAL	27,361	182,378

Earthwork quantities are for reference only. All cost associated with mass grading shall be incidental to lump sum bid item "Mass Grading".

- Contractor to strip top 3" of soil within Res. "E" and street R/W before mass grading and stockpile. Top soil stockpile to be redistributed over Reserve "E" above water surface.
- Compaction of 95% shall be obtained in all street R/Ws, 90% in all other areas.
- Any damage done to existing utilities by Contractor or subcontractor shall be repaired at no additional cost to the project.
- Only trees within the street R/W or Res. "E" may be removed if necessary for grading. Trees shall be trimmed by chainsaw if necessary to allow for construction equipment to place and compact fill around them. All other trees shall be protected from damage.
- All areas disturbed by construction (except within street R/W) shall be seeded as indicated on Pond Plan.
- Borrow excavation will be available east of Clifton Ave. as indicated on Borrow Excavation Plan.
- 1.1 x Fill - 0.9 x Excavation  
 1.1 x 182,378 - 0.9 x 27,361  
 Offsite Borrow = 175,991
- 10% Shrink and 10% Swell correction factors have been used as shown to estimate the amount of offsite borrow. Contractor shall be responsible to satisfy himself with these numbers during the bidding process and bid this project accordingly. Mass grading shall be all inclusive to fill, compact and grade site as shown on plan. No additional change orders or request for payment will be accepted.
- Lots marked with ● symbol need extra deep foundations and require compaction testing (95% std. density) for every 12" lift of fill. Also, additional sites marked with ● symbol will require the same testing. Clifton to the existing gravel road. Access shall be maintained at all times for homewners throughout construction via this entrance incidental to "Site Clearing & Restoration".
- All areas north of FEMA BFE line (except existing pond) shall be filled (except proposed pond) to a minimum elevation of 1263.0. All areas south of FEMA BFE line shall be filled to account for locations where the bottom of a street cross section would have fallen below the minimum elevation.

**EROSION CONTROL PLAN**  
 LEGEND  
 (Installation Details Found in the SWP2 Plan)

HEAVY STONE RIP-RAP	NO SCALE
DROP INLET PROTECTION	
CURB INLET PROTECTION	
STRAW BALE BARRIERS	
SILT FENCING	
EARTH DIKES	
TEMPORARY DITCH	

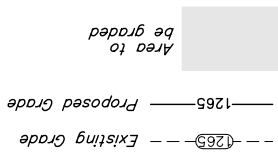


BM #1 - City of Wichita  
 Southeast corner of FCBC, on top of hubguard at the West end.  
 ELEV. = 1263.29 NGVD29

BM #2 - "C" Cut on wall footing located 29' North of the Southeast corner of Lot 7 Block A, Meadowlake Beach Addition, Sedgwick County, Kansas.  
 ELEV. = 1266.82 NGVD29

BM #3 - "C" Cut Top of Curb, West side South end of Concrete street North west of Northeast corner of Meadowlake Beach Addition, Sedgwick County, Kansas.  
 ELEV. = 1262.86 NGVD29

BM #4 - "C" Cut Top of Curb, East return on East side of Concrete street North of the Northwest corner of Meadowlake Beach Addition, Sedgwick County, Kansas.  
 ELEV. = 1262.95 NGVD29



Scale: 1" = 60'