EARTH WORK TOTALS

	C.Y. Excavation	C.Y. Fill
Mass Grading	23,816	63,909
Pond Construction	38,153	1,366
Total	61,969	65,275

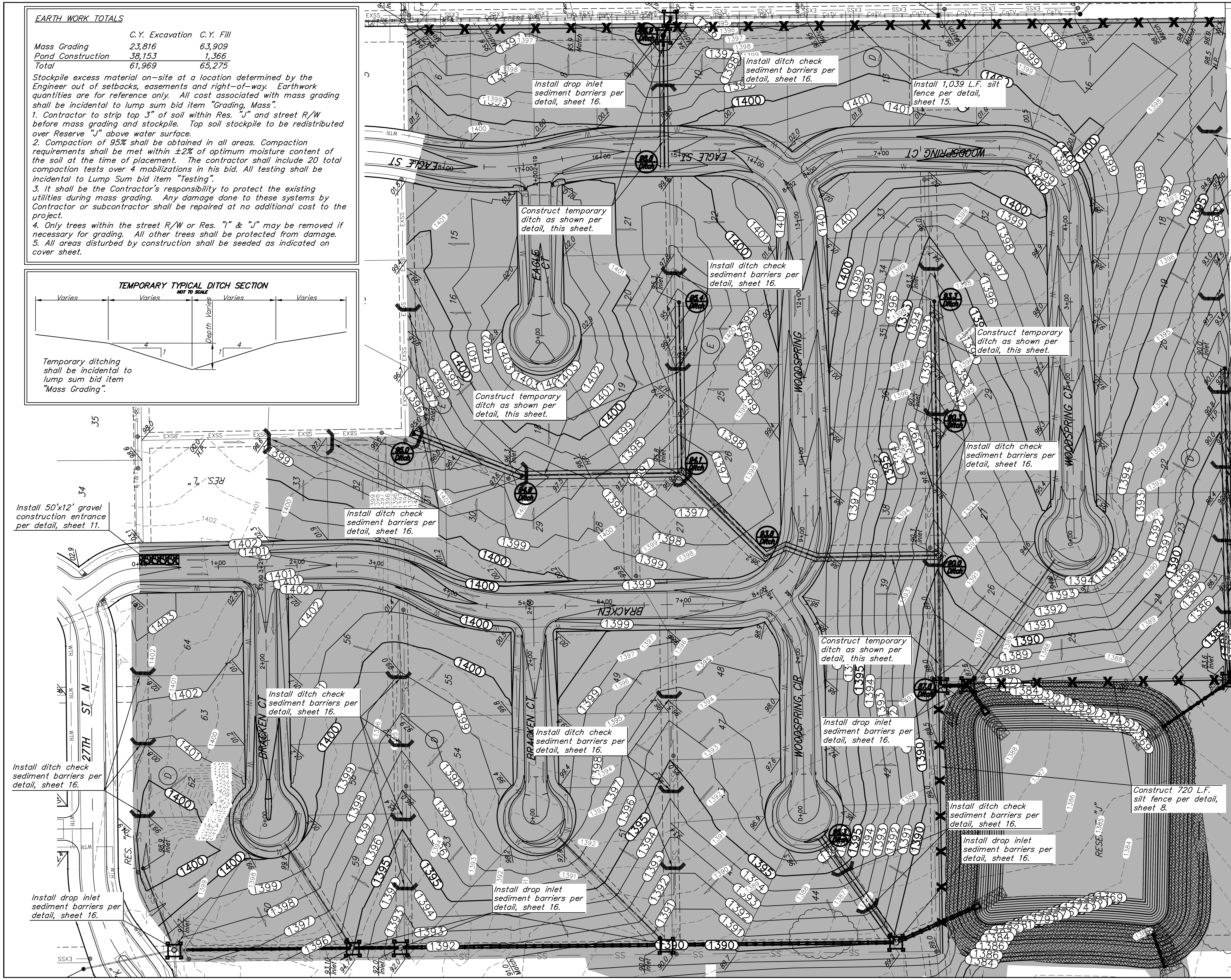
Stockpile excess material on-site at a location determined by the Engineer out of setbacks, easements and right-of-way. Earthwork quantities are for reference only. All cost associated with mass grading shall be incidental to lump sum bid item "Grading, Mass".

1. Contractor to strip top 3" of soil within Res. "J" and street R/W before mass grading and stockpile. Top soil stockpile to be redistributed over Reserve "J" above water surface.
2. Compaction of 95% shall be obtained in all areas. Compaction requirements shall be met within ±2% of optimum moisture content of the soil at the time of placement. The contractor shall include 20 total compaction tests over 4 mobilizations in his bid. All testing shall be incidental to Lump Sum bid item "Testing".
3. It shall be the Contractor's responsibility to protect the existing utilities during mass grading. Any damage done to these systems by Contractor or subcontractor shall be repaired at no additional cost to the project.
4. Only trees within the street R/W or Res. "I" & "J" may be removed if necessary for grading. All other trees shall be protected from damage.
5. All areas disturbed by construction shall be seeded as indicated on cover sheet.

TEMPORARY TYPICAL DITCH SECTION
NOT TO SCALE

Varies — Varies — Varies — Varies; Depth Varies; 4:1 slopes

Temporary ditching shall be incidental to lump sum bid item "Mass Grading".



*Proposed temporary ditch grades shall take precedence over original spot grades when constructing ditches.

Scale: 1"=60'

- Proposed Temp. Ditch Grade*
- 1385 — Existing Grade
- (1385) — Proposed Grade
- Area to be graded

EROSION CONTROL MEASURE	INSTALL
BACK OF CURB PROTECTION (LF)	0
CONSTRUCTION ENTRANCE (EA)	1
CURB INLET BARRIER (EA)	0
DITCH CHECK (EA)	31
DROP INLET PROTECTION (EA)	10
EROSION CONTROL (LS)	0
EROSION CONTROL BERM (LF)	0
SILT FENCE (LF)	1,759
EROSION CONTROL MAT (SY)	5,254

QUANTITIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY QUANTITIES PER FINAL BID QUANTITY SHEET.

* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, EROSION CONTROL BERM, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY. REPLACEMENT OR REMOVAL OF EROSION CONTROL MEASURES TO BE PAID FOR BY L.S. BID ITEM "MAINTAIN EXISTING EROSION CONTROL BMPs"

EROSION CONTROL PLAN LEGEND

- DROP INLET PROTECTION
- CURB INLET PROTECTION
- DITCH CHECKS
- SILT FENCING
- STRAW WATTLE DITCH CHECKS
- EROSION CONTROL BERM
- BACK OF CURB PROTECTION
- EROSION CONTROL MAT
- TEMPORARY DITCH

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE
Design: Drawn: Approved: Date: 11/19
File: SWD.dwg

FIREFLY WAY ADDITION
MASS GRADING & EROSION CONTROL PLAN
STORM WATER DRAIN IMPROVEMENTS

REVISIONS: