

**BENCHMARKS:**  
 BM#1: Disc on Top of Curb South side of 27th St. N. and West of 27th Ct. N. Woods North 3rd Addition Elev. = 1397.69 NAVD88  
 BM#2: Northwest 1/4 Corner Government Lot 2, Sec. 3, TWP. 27-S, R-2-E Elev. = 1405.78 NAVD88

Maintain 50' x 12' Gravel Construction Entrance per detail, sheet 9. Remove Construction Entrance at the completion of this project.

Construct 4' ditch per detail, this sheet.

Install 949 L.F. of Silt Fence per detail, sheet 10.

Install 7 Straw Wattle Ditch Checks as shown in 29th St. N. R/W.

Construct 4' ditch per detail, this sheet.

Construct Drainage Swale, per detail, sheet 8.

Install 176 L.F. of Silt Fence per detail, sheet 10.

Install 299 L.F. of Silt Fence per detail, sheet 10.

Install Curb Inlet Protection per detail, sheet 9.

Maintain 732 L.F. of Silt Fence per detail, sheet 10.

Area to be graded  
 Proposed Grade  
 Existing Grade  
 Temporary Ditch

- NOTES:**
- Contractor shall make sure all erosion control is in place before project is accepted. This plan represents the minimum standard. Any additional erosion control measures shall be installed by the Contractor as needed.
  - Street elevations are top of dirt at centerline.
  - Grade points around cul-de-sacs are located at 1' behind back of proposed curb.
  - Compaction of 95% Std. Proctor Density shall be obtained in all areas, moisture content of optimum to +4%.
  - It shall be the Contractor's responsibility to protect 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.
  - Ditch grading south of 29th St. N. and Temporary V Ditch grading is incidental to bid item "Grading, Mass."

⊗ Compaction Testing Location

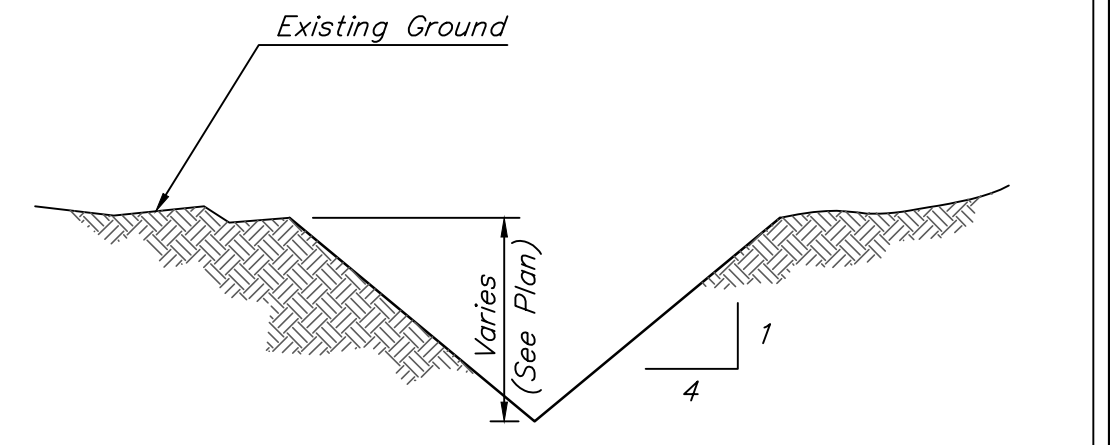
Install 1,345 L.F. of Silt Fence per detail, sheet 10.

Install 2 Straw Wattle Ditch Checks, as shown in Temp. Drainage Ditch

Stockpile 829 C.Y. of Topsoil to be redistributed with future phases.

Construct Temp. V-Ditch to drain sump area as indicated (See Detail, this sheet)

**POND DATA:**  
 STATIC POOL ELEVATION: 1389.0  
 BOTTOM ELEVATION: 1379.0  
 100 YEAR DESIGN WATER SURFACE: 1391.6



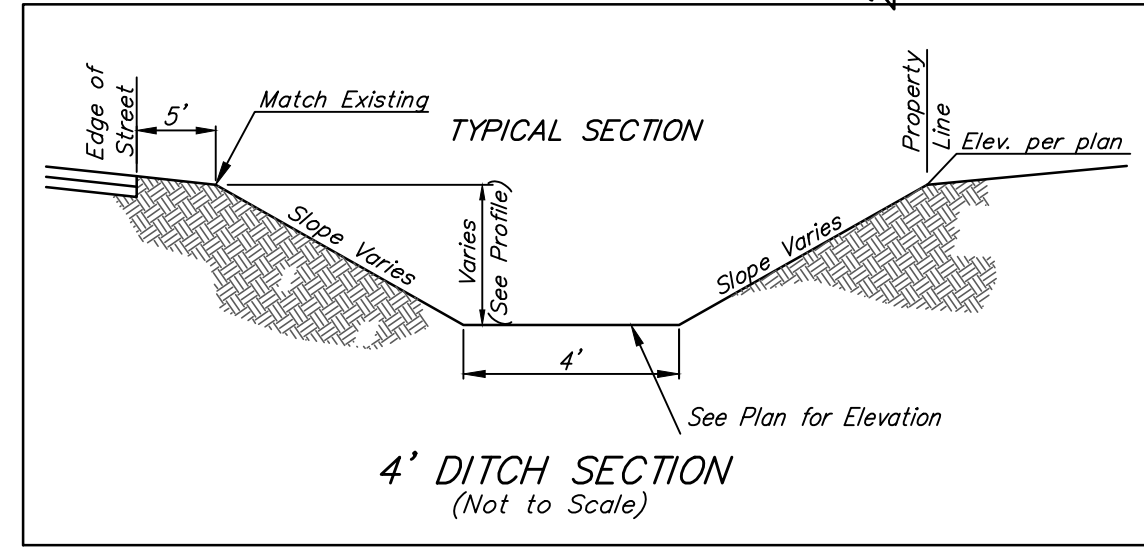
Typical V-Ditch Section  
 No Scale

**EROSION CONTROL PLAN LEGEND**

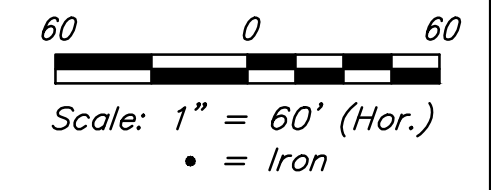
- Drop Inlet Protection
- Curb Inlet Protection
- Silt Fencing
- Rip Rap Protection
- Cut-off Trench
- Pond Seeding
- Straw Wattle Checks

EROSION CONTROL MEASURE	INSTALL	MAINTAIN
CONSTRUCTION ENTRANCE (EA)	0	1
SILT FENCE (LF)	2,769	1,147
CURB INLET PROTECTION (EA)	1	0
STRAW WATTLE DITCH CHECK (EA)	17	0

\* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, CUT-OFF TRENCH, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY.



4' DITCH SECTION  
 (Not to Scale)



**Baughman** Firefly Way Addition Phase I  
**MASS GRADING & EROSION CONTROL**  
 Storm Water Drain #419

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85185  
 DESIGN: AEG  
 DRAWN: DJL  
 APPROVED: DATE 2/17  
 SCALE: Noted  
 SHEET

**5 OF 17**