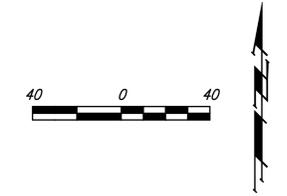
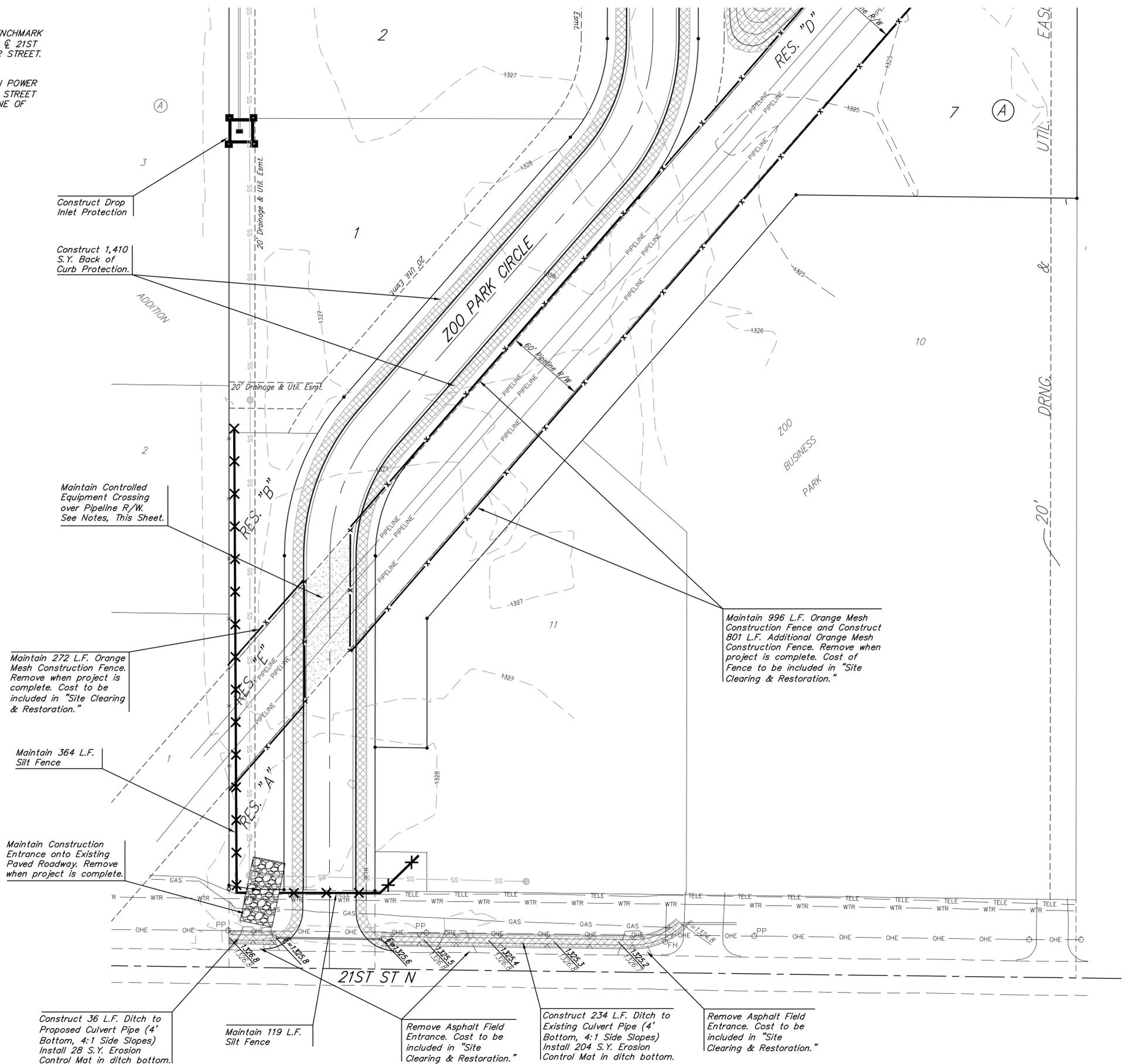


**BENCHMARKS:**

BM #1: CITY OF WICHITA BENCHMARK  
DISC. 48.5' W. & 28' N. OF @ 21ST  
STREET NORTH AND HOOVER STREET.  
ELEV. = 1326.47 NGVD29

BM #2: RAIL ROAD SPIKE IN POWER  
POLE 28' N. OF @ OF 21ST STREET  
NORTH ALONG THE WEST LINE OF  
THE PLAT.  
ELEV. = 1327.25 NGVD29



- PIPELINE CROSSING NOTES:**
1. Contractor shall construct a 30' wide compacted earth controlled equipment crossing over the ConocoPhillips and Quest Pipelines. The Equipment Crossing shall have minimum cover of 5' to top of pipe. The top 6" of the Equipment Crossing shall be constructed of Course Aggregate. A Geo-grid Mat shall be installed beneath the Course Aggregate if a Pipeline Representative determines that soil pumping is occurring.
  2. No Construction Equipment or Traffic shall be allowed to cross the Quest or ConocoPhillips Pipelines except over the controlled Equipment Crossing.
  3. Before Beginning Construction, Contractor shall install orange Construction Fence with T-posts along the perimeter of the Pipeline Right-of-way as shown. Fencing shall be removed as necessary for Construction and replaced immediately following construction in that area. Contractor shall maintain Construction Fence throughout the project and remove when project is complete.
  4. No construction or equipment operation shall be allowed within ConocoPhillips or Quest easements without first contacting a representative from the respective company no less than 48 prior to beginning construction.
  5. Contractor and all sub-contractors shall be required to attend a safety meeting with pipeline personnel prior to any mobilization.
  6. All costs associated with pipeline protection and crossing shall be included in "Site Clearing and Restoration".

**SEEDING NOTES:**

All areas disturbed during construction within Reserves C, D, and E, and 21st and Zoo Park Circle Street R/W's as well as areas disturbed along and adjacent to Line 1 from Sta 0+30 to Sta 4+98 shall be seeded, mulched, and fertilized as follows (Permanent Seeding) unless otherwise noted:

**Seed:** Kansas Premium Fescue Blend: 10 lbs./1000 sq. ft.  
Rye Grass : 3 lbs./1000 sq. ft.

**Mulch:** Prairie Hay: 2 tons/acre (Not needed where erosion control mat is installed)

**Fertilizer:** 12-24-12: 350 lbs./acre

All other areas disturbed during construction shall be seeded at 300 lbs./acre with Rye Grass and mulched with prairie hay at 2 tons/acre immediately following construction in that area unless otherwise noted. All costs associated with seeding, mulching, and fertilizing shall be included in bid item "Project Seeding." All seeding operations shall conform to City of Wichita Standard Specifications.

| EROSION CONTROL MEASURE        | UNIT | QUANTITY |
|--------------------------------|------|----------|
| DROP INLET PROTECTION          | Ea.  | 1        |
| DITCH                          | L.F. | 270      |
| EROSION CONTROL MAT            | S.Y. | 232      |
| BACK OF CURB PROTECTION        | S.Y. | 1,410    |
| MAINTAIN CONSTRUCTION ENTRANCE | Ea.  | 1        |

Quantities are For Information Only! Contractor shall verify quantities per final bid quantity sheet. Ditching is not included in earthwork quantities.

**Baughman**

ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

Cox Machine 3rd Addition  
**Pipeline Crossing and Erosion Control Plan**  
Street Paving Improvements

PROJECT NUMBER  
47284820

DESIGN: RDM  
DRAWN: RDM  
APPROVED: AEG  
DATE: 6-17-09

SCALE: Noted  
SHEET: **21** OF **32**

\Cox Machine 3rd\STR\STR\_EC Plan.dwg 08-10-E206