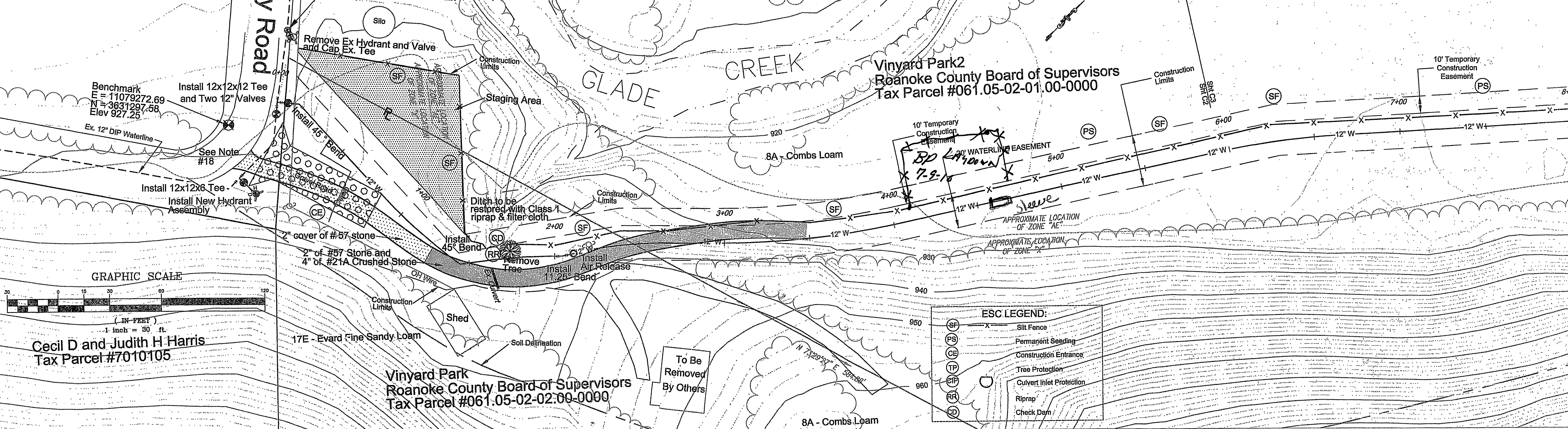


Vinyard Park  
Roanoke County Board of Supervisors  
Tax Parcel #060.12-09-01.00-0000



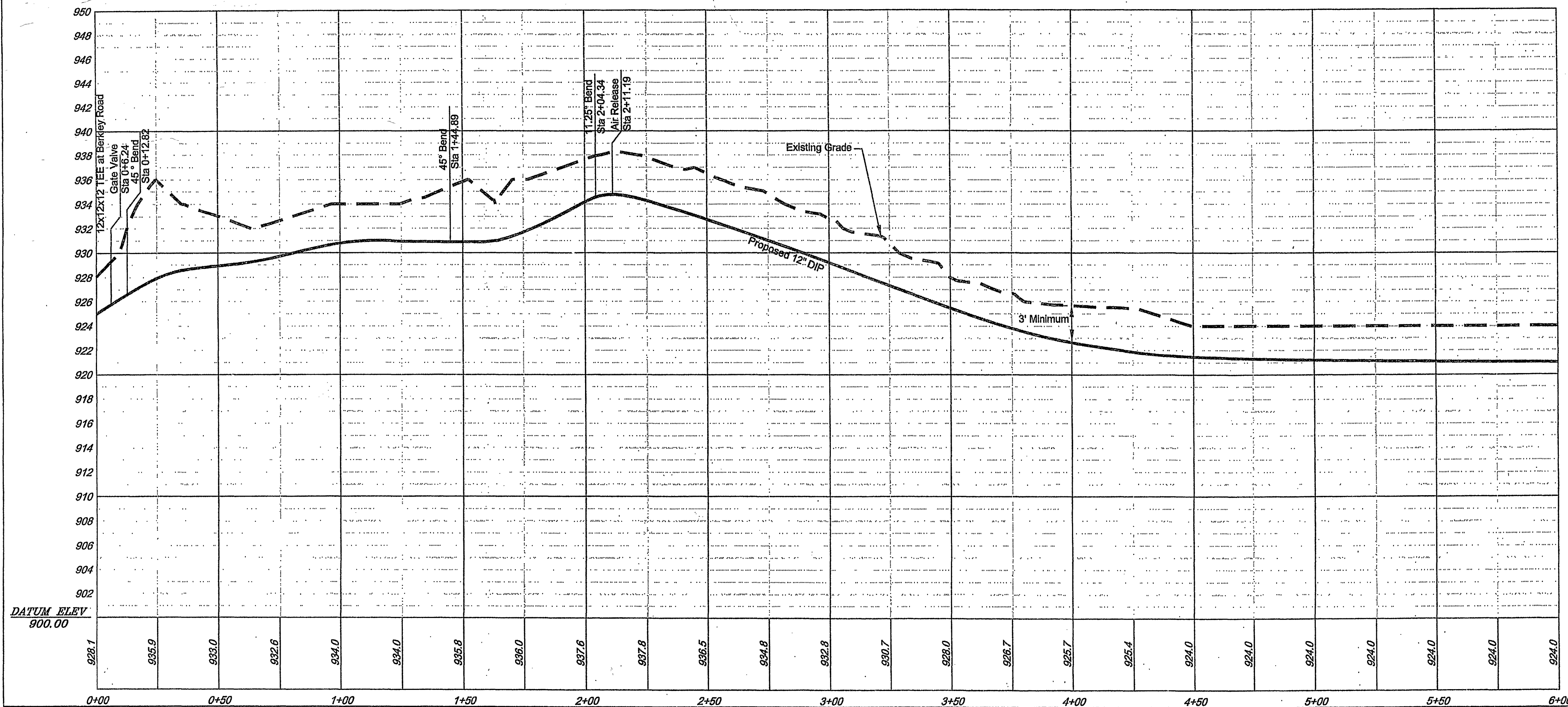
GRAPHIC SCALE  
(IN FEET)  
1 inch = 30 ft.

Cecil D and Judith H Harris  
Tax Parcel #7010105

| ESC LEGEND: |                          |
|-------------|--------------------------|
| (SF)        | Silo Fence               |
| (PS)        | Permanent Seeding        |
| (CE)        | Construction Entrance    |
| (TP)        | Tree Protection          |
| (CIP)       | Culvert Inlet Protection |
| (R)         | Riprap                   |
| (CD)        | Check Dam                |

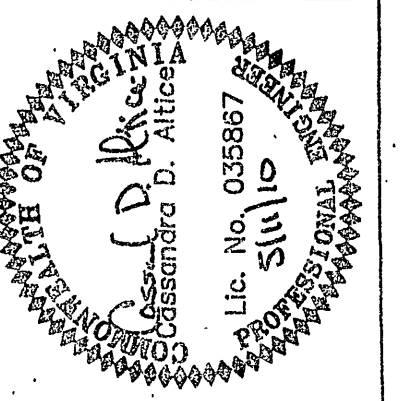
#### Construction Notes:

- Existing 12" waterline on Berkeley Road shall only be taken out of service from 8 PM until 5 AM. Outages shall be coordinated and approved ten (10) business days in advance by Water Distribution Manager, Travis Lane. Travis Lane can be contacted at 400-5450. Outages on existing 16" waterline shall be coordinated and approved seven (7) days in advance by Travis Lane.
- If contractor requires a second water outage to complete work, the second outage shall be approved by Travis Lane.
- This project is located in both Roanoke County and Roanoke City, therefore, contractor shall adhere to governing jurisdiction's requirements. See Sheet C6 for Roanoke City and Western Virginia Water Authority General Notes.
- Contractor shall obtain all necessary permits for both County and City.
- Contractor shall not cross stream located at 181 Berkeley more than twice during construction process. If contractor crosses stream more than twice during construction or within a six month period, the contractor is responsible installing an acceptable temporary stream crossing at contractor's expense.
- Contractor shall use dechlorinator while flushing waterlines.
- Contractor shall stage and stockpile all pipes, valves, soil, etc within the staging area, temporary and permanent easement. Soil removed from the trench shall be placed on the upside of the trench.
- Contractor shall not utilize private driveway or the private bridge to access 181 Berkeley Road. All of the private road, including the gravel road north of the soccer field, needing repair due to construction traffic will be at the contractor's expense.
- WVWA will provide 12" DIP class 350 push-on joint pipe for the project. The pipe will be stored at 3447 Hollins Road. Contractor shall pick-up and deliver pipe to project site. Field Ops will provide loading equipment provided all pipe will be picked-up in one (1) day. Coordinate pick-up and loading assistance with Phil Martin at 853-5355. Any unused pipe shall be returned to 3447 Hollins Road prior to substantial completion.
- Road closure from 8 PM to 5 AM. Contractor shall provide adequate lighting for evening work.
- Staging Area - usage by contractor to be discussed and coordinated with Roanoke County Parks and Rec.
- Vinyard Park field shall be seeded with Orchard Grass at a rate of 60 lbs/acre. Staging area shall be reseeded with permanent seeding.
- Contractor shall seed once work is completed and shall reseed/overseed in fall, if necessary.
- Waterlines shall be pressure tested to 250 psi.
- Ditchline crossing near station 33+00 - bed and banks shall be restored with two (2) courses of Class 1 riprap and filter cloth, which shall be installed immediately once waterline is in place. Work shall be scheduled so that under no circumstances shall the bed and banks be left unprotected.
- Work in this area shall be performed per the City of Roanoke Right Of Way Excavation and Restoration Standards.
- Contractor shall protect culvert located near station 1+62. If culvert is damaged by contractor and Roanoke County requires replacement with upgrades, contractor will be responsible for all work and expenses.
- Contractor may be required to assist with unloading approximately 630' of 12" DIP to be delivered to the site.
- Contractor will be required to remove approximately 630' of 12" DIP from 6715 Saddle Road, Moneta, VA and deliver to Berkeley Waterline Relocation site.
- Due to floodplain, the development must be in accordance with Roanoke County zoning ordinance Section 30-74 Floodplain Overlay District.



Vertical Scale: 1" = 6'

WESTERN VIRGINIA  
**WATER AUTHORITY**  
ENGINEERING SERVICES  
601 S JEFFERSON ST, SUITE 300  
ROANOKE, VA 24011  
540-853-5700



BERKLEY ROAD  
WATERLINE RELOCATION  
CIVIL/SITEWORK/ESC  
PLAN

| Rev | Description                               | Date    | By  |
|-----|-------------------------------------------|---------|-----|
| 1   | Revised to Roanoke County Comments Rev. 1 | 3/21/10 | CDA |
| 2   | Revised to Roanoke City Comments Rev. 1   | 4/15/10 | CDA |
| 3   | Revised to Roanoke County Comments Rev. 1 | 4/15/10 | CDA |

Designed: CDA  
Drawn: CDA  
Checked: AAS  
Approved: JGR  
Date: 25 JAN 2010  
Project: C2  
Sheet 2 of 9