

## Werner, Elizabeth

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**From:** Bill Sperry [bill.sperry@mcgillengineers.com]  
**Sent:** Friday, April 01, 2011 3:47 PM  
**To:** Werner, Elizabeth  
**Cc:** mark.cathey@mcgillengineers.com  
**Subject:** Henderson County  
**Attachments:** McGill logo & text medium.jpg; 3 - C-101.pdf; 7 - C-103.pdf; 11 0401 - Extraction Well Removal.pdf

Elizabeth,

Thanks for talking with me earlier today relative to Henderson County and the need to adjust three (3) of the groundwater monitoring wells for the site. As we discussed, our plan is to raise two of the existing groundwater monitoring wells and lower one of the wells. Once the vertical adjustment of these groundwater monitoring wells is complete, we will have a licensed land surveyor record the revised elevation and will forward that information on to your office. New protective casings/flush mounted covers and concrete pads are included as a part of the vertical adjustment of these wells. These adjustments are necessary to accommodate the grading taking place as a part of the Capital Improvements Project at the Facility. The overall layout of the County's planned improvement is shown on the attachment "3 - C - 101.pdf" which is the "Overall Site Plan". The monitoring wells in question are located in the vicinity of the proposed Convenience Center. As the contractor proceeds with the construction in and around the proposed new Convenience Center, we will be carefully monitoring the adjustment of the groundwater monitoring wells. Should we encounter any problems during the adjustment of these wells, we will be in touch with your office for guidance. Otherwise, we will submit the final elevation of the adjusted well casings once that work is complete and the elevation of the casings surveyed in.

The other item we discussed pertained to the two (2) landfill gas extraction wells that need to be removed as a part of the construction of the Capital Improvements Plan. Attachment "7 - C - 103.pdf" titled "Scale Area Grading, Drainage & Erosion Control Plan" provides an enlargement of the area around the proposed Scale House where the conflict with two (2) existing landfill gas extraction wells exists. The attachment titled "11 0401 - Extraction Well Removal" is a further clarification of exactly which two wells need to be removed from the present active extraction system. This work was suppose to have been taken care of by the extraction system operator well ahead of the contractor beginning work in the area. As it happens, the extraction wells were not removed and now the contractor is ready to begin with the grading and landfill cap reconstruction in that area. We appreciate your consideration of the County's need to promptly remove (or have removed) these two wells from the active extraction system. The intent is to disconnect and cap the lateral lines at or near the main header system. As for the wells, these will be excavated and cut off below grade at a depth that will allow the well to be closed off, the required grading to take place and landfill cap to be reconstructed.

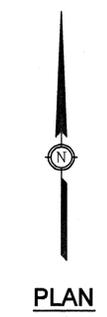
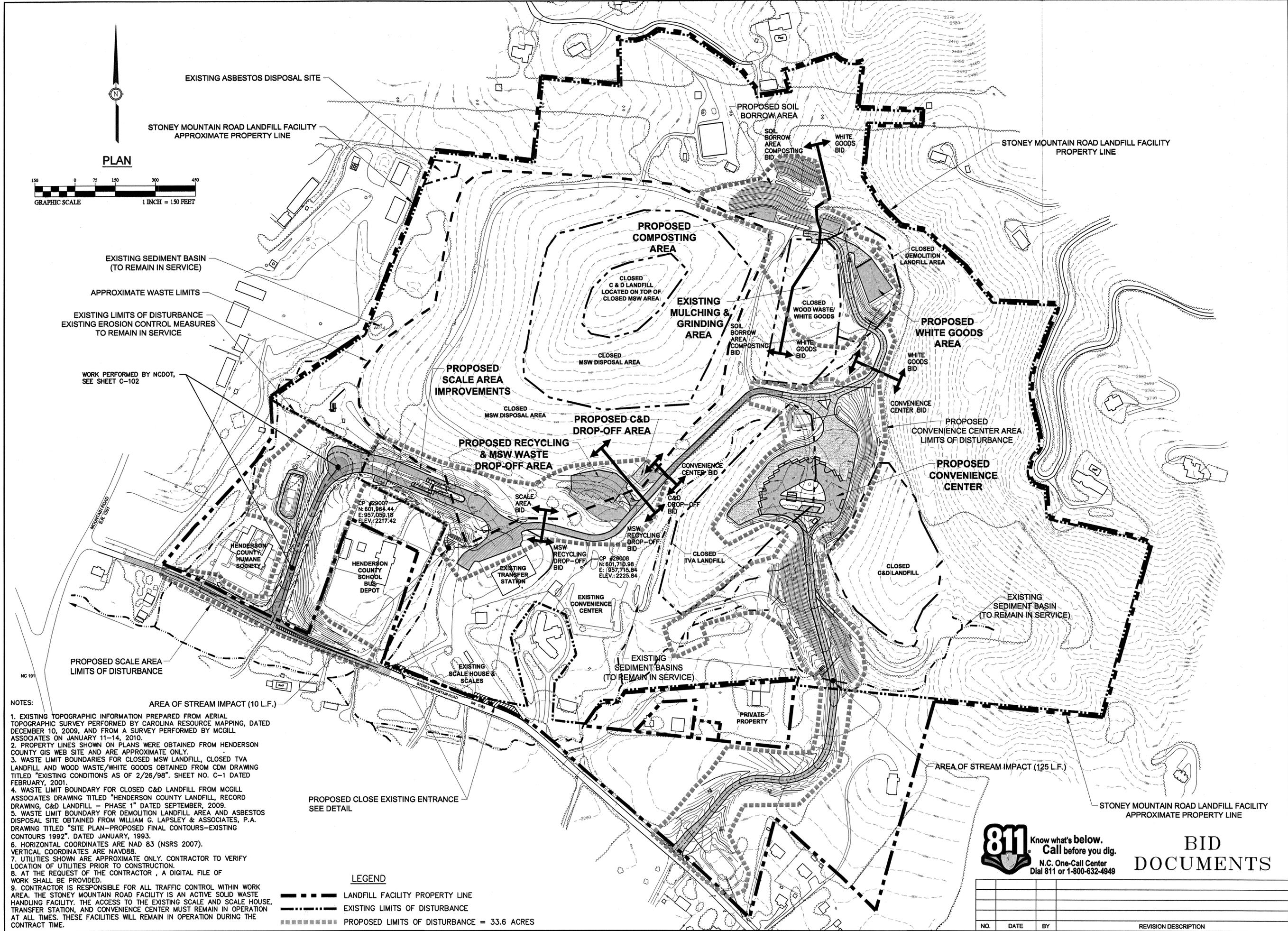
Thanks in advance for your prompt consideration of the County's need to remove these two landfill gas extraction wells so the contractor can proceed with the grading of the new scale house area. I hope the attached information was of some help in understanding what the County is trying to do and why they need to get this issue resolved as quickly as possible. Should you have any questions, please give me a call.

Thanks and have a great day, Bill Sperry



### **Bill Sperry, PE**

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EXISTING ASBESTOS DISPOSAL SITE  
STONEY MOUNTAIN ROAD LANDFILL FACILITY  
APPROXIMATE PROPERTY LINE

PLAN

GRAPHIC SCALE  
1 INCH = 150 FEET

EXISTING SEDIMENT BASIN  
(TO REMAIN IN SERVICE)

APPROXIMATE WASTE LIMITS

EXISTING LIMITS OF DISTURBANCE  
EXISTING EROSION CONTROL MEASURES  
TO REMAIN IN SERVICE

WORK PERFORMED BY NCDOT,  
SEE SHEET C-102

PROPOSED SCALE AREA  
LIMITS OF DISTURBANCE

AREA OF STREAM IMPACT (10 L.F.)

- NOTES:
- EXISTING TOPOGRAPHIC INFORMATION PREPARED FROM AERIAL TOPOGRAPHIC SURVEY PERFORMED BY CAROLINA RESOURCE MAPPING, DATED DECEMBER 10, 2009, AND FROM A SURVEY PERFORMED BY MCGILL ASSOCIATES ON JANUARY 11-14, 2010.
  - PROPERTY LINES SHOWN ON PLANS WERE OBTAINED FROM HENDERSON COUNTY GIS WEB SITE AND ARE APPROXIMATE ONLY.
  - WASTE LIMIT BOUNDARIES FOR CLOSED MSW LANDFILL, CLOSED TVA LANDFILL AND WOOD WASTE/WHITE GOODS OBTAINED FROM CDM DRAWING TITLED "EXISTING CONDITIONS AS OF 2/26/98". SHEET NO. C-1 DATED FEBRUARY, 2001.
  - WASTE LIMIT BOUNDARY FOR CLOSED C&D LANDFILL FROM MCGILL ASSOCIATES DRAWING TITLED "HENDERSON COUNTY LANDFILL, RECORD DRAWING, C&D LANDFILL - PHASE 1" DATED SEPTEMBER, 2009.
  - WASTE LIMIT BOUNDARY FOR DEMOLITION LANDFILL AREA AND ASBESTOS DISPOSAL SITE OBTAINED FROM WILLIAM G. LAPSLEY & ASSOCIATES, P.A. DRAWING TITLED "SITE PLAN-PROPOSED FINAL CONTOURS-EXISTING CONTOURS 1992", DATED JANUARY, 1993.
  - HORIZONTAL COORDINATES ARE NAD 83 (NSRS 2007). VERTICAL COORDINATES ARE NAVD83.
  - UTILITIES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
  - AT THE REQUEST OF THE CONTRACTOR, A DIGITAL FILE OF WORK SHALL BE PROVIDED.
  - CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL WITHIN WORK AREA. THE STONEY MOUNTAIN ROAD FACILITY IS AN ACTIVE SOLID WASTE HANDLING FACILITY. THE ACCESS TO THE EXISTING SCALE AND SCALE HOUSE, TRANSFER STATION, AND CONVENIENCE CENTER MUST REMAIN IN OPERATION AT ALL TIMES. THESE FACILITIES WILL REMAIN IN OPERATION DURING THE CONTRACT TIME.

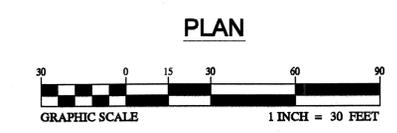
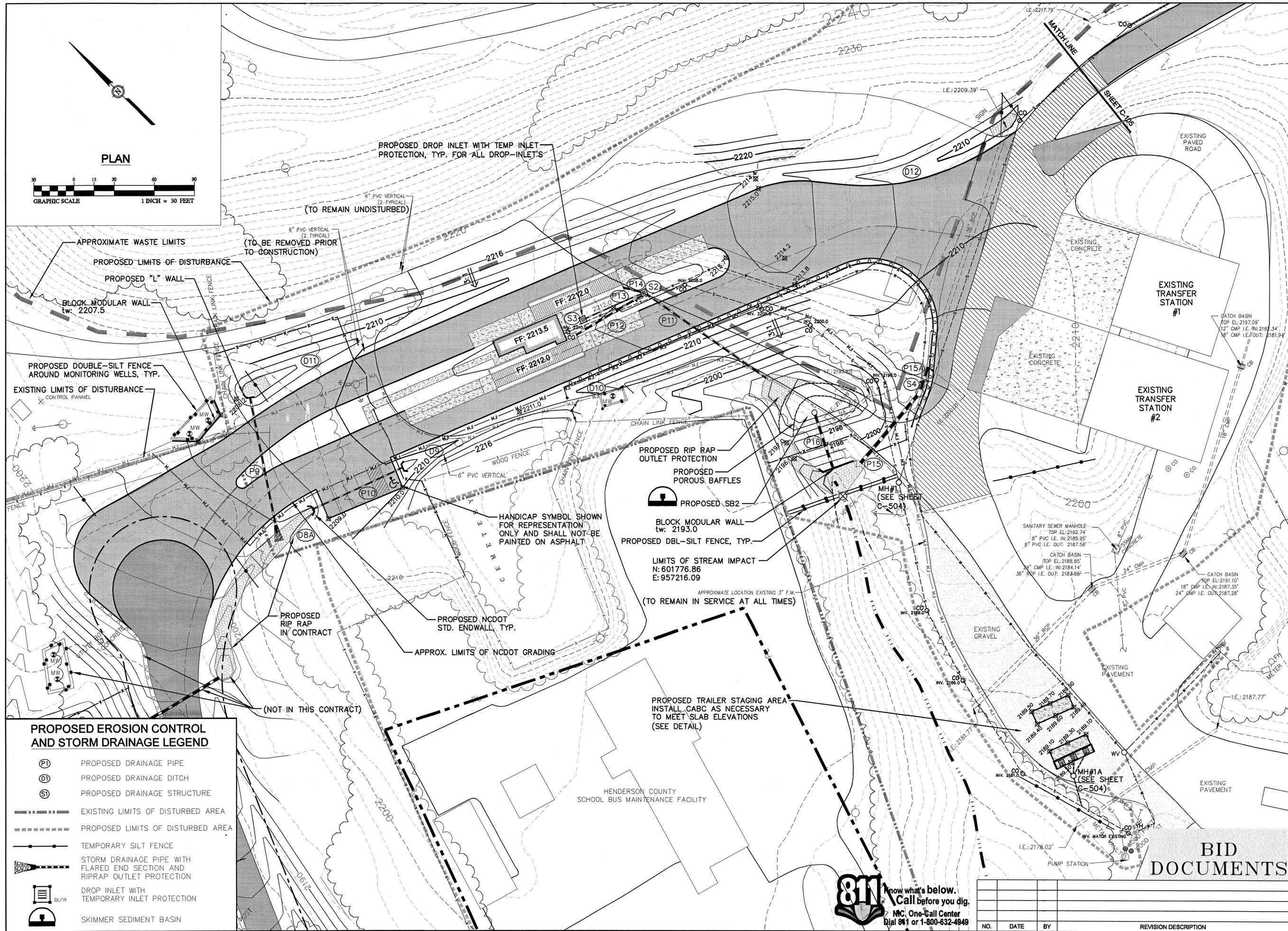
PROPOSED CLOSE EXISTING ENTRANCE  
SEE DETAIL

- LEGEND
- LANDFILL FACILITY PROPERTY LINE
  - - - - - EXISTING LIMITS OF DISTURBANCE
  - ===== PROPOSED LIMITS OF DISTURBANCE = 33.6 ACRES

**811** Know what's below.  
Call before you dig.  
N.C. One-Call Center  
Dial 811 or 1-800-632-4949

BID  
DOCUMENTS

NO.	DATE	BY	REVISION DESCRIPTION



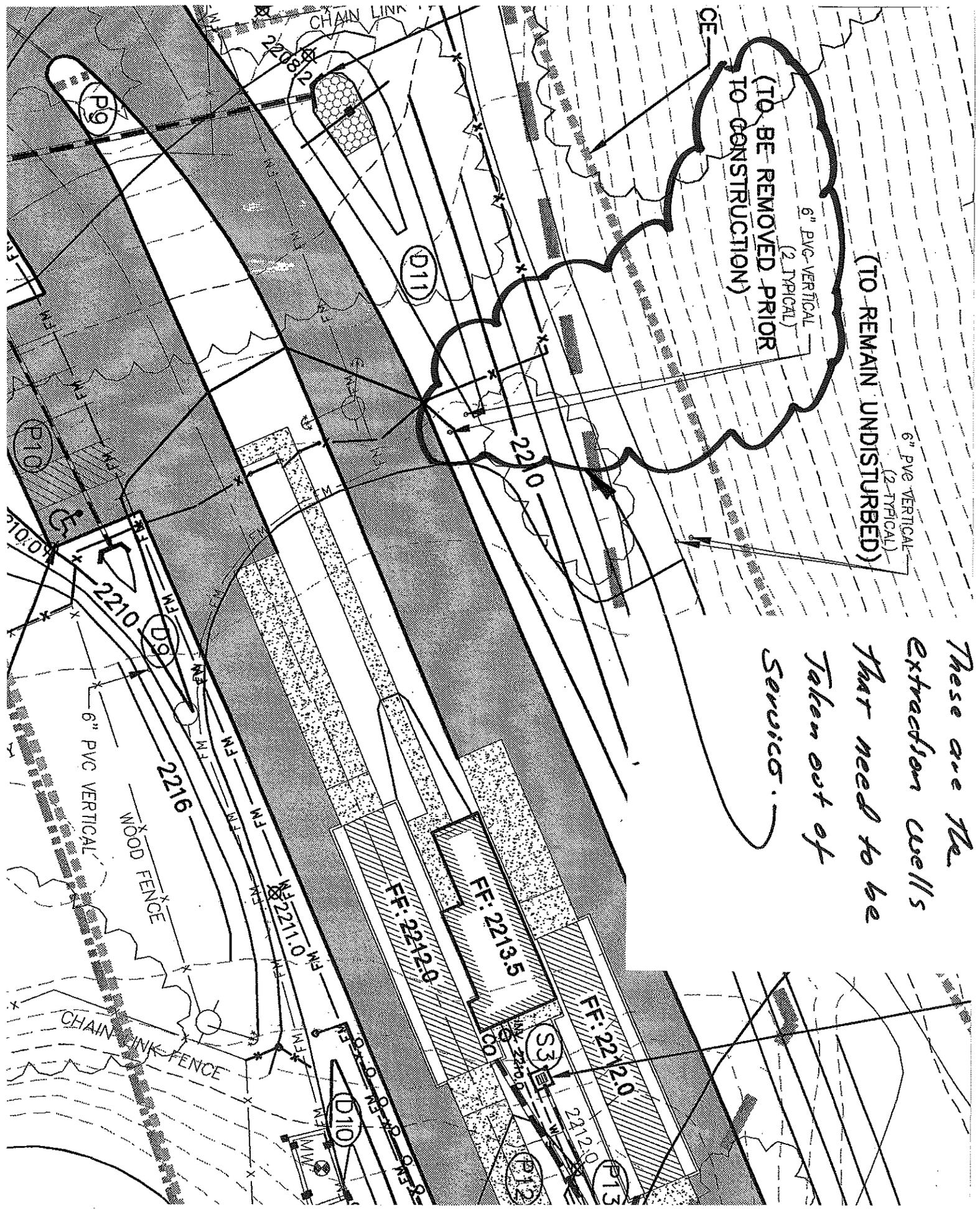
**PROPOSED EROSION CONTROL AND STORM DRAINAGE LEGEND**

- (P1) PROPOSED DRAINAGE PIPE
- (D1) PROPOSED DRAINAGE DITCH
- (S1) PROPOSED DRAINAGE STRUCTURE
- EXISTING LIMITS OF DISTURBED AREA
- - - PROPOSED LIMITS OF DISTURBED AREA
- TEMPORARY SILT FENCE
- STORM DRAINAGE PIPE WITH FLARED END SECTION AND RIPRAP OUTLET PROTECTION
- DROP INLET WITH TEMPORARY INLET PROTECTION
- SKIMMER SEDIMENT BASIN

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**BID DOCUMENTS**

NO.	DATE	BY	REVISION DESCRIPTION



(TO REMAIN UNDISTURBED)

(TO BE REMOVED PRIOR TO CONSTRUCTION)

6" PVC VERTICAL  
(2 TYPICAL)

6" PVC VERTICAL  
(2 TYPICAL)

*These are the  
extraction wells  
that need to be  
taken out of  
service.*

(D11)

(P9)

(P10)

(D9)

FF: 2213.5

FF: 2212.0

FF: 2212.0

(S3)

(P12)

(P13)

(D10)

