

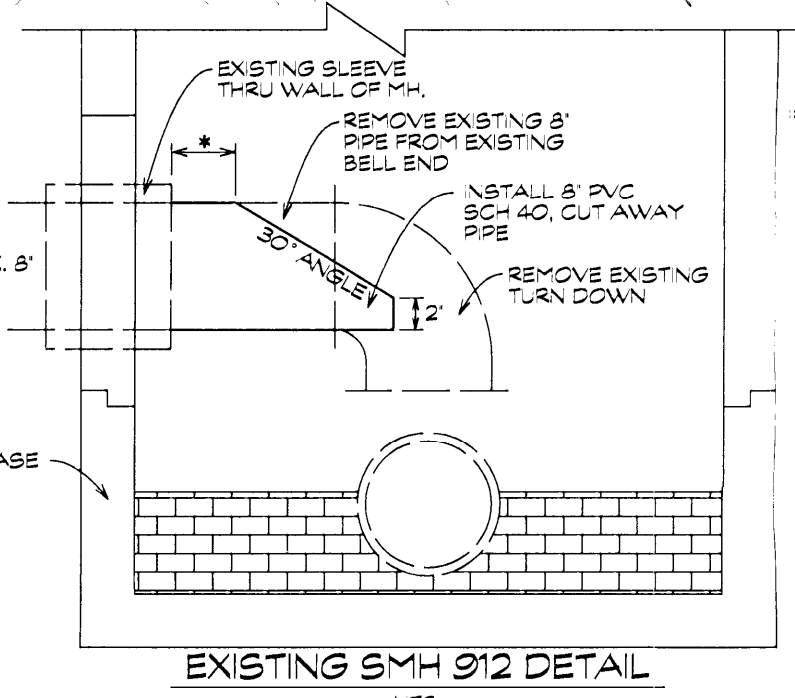
**POND CURVE DATA**

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C1	90.00	94.66	60°15'44"	52.24	S 87°13'46" E	90.36
C2	150.00	44.41	18°57'44"	22.37	N 54°09'30" E	44.25
C3	150.00	44.83	17°08'33"	22.81	N 37°08'21" E	44.71
C4	56.20	44.89	48°45'38"	23.72	N 05°39'15" E	43.70
C5	49.00	17.63	20°36'36"	8.91	S 52°32'18" E	17.53
C6	61.00	20.69	19°28'14"	10.45	S 53°07'30" E	20.59

**POND LINE DATA**

NUMBER	DIRECTION	DISTANCE
L1	S 57°05'55" E	237.89'
L2	N 62°38'22" E	25.91'
L3	N 45°40'38" E	85.39'
L4	N 28°32'04" E	55.23'
L5	N 17°33'4" W	9.14'
L6	S 42°35'9" E	41.69'
L7	S 62°50'37" E	20.48'
L8	S 43°24'23" E	82.15'

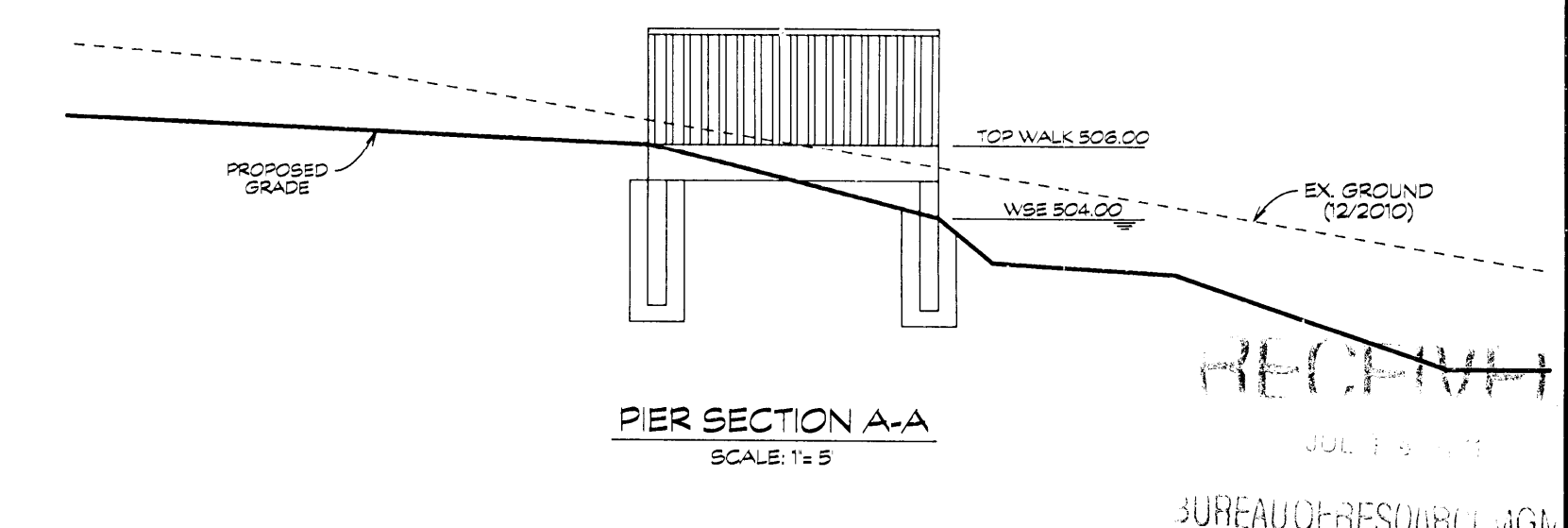
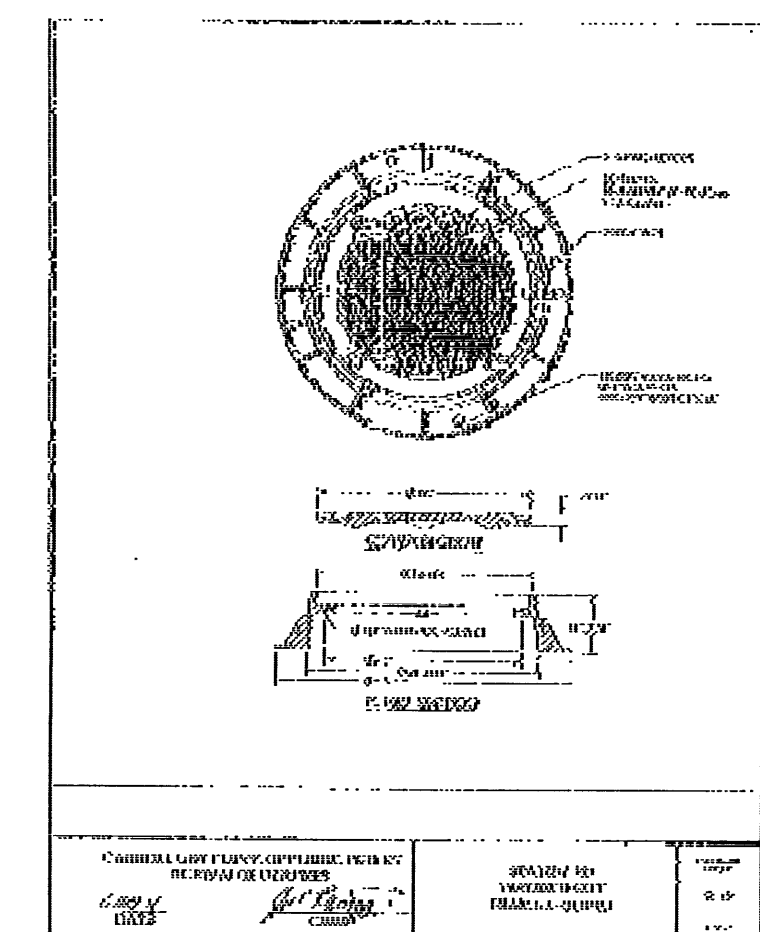
- PLAN**  
SCALE: 1" = 30'
- NOTES**
1. UX-1 PROPOSED UTILITY CROSSING NV. 36" RCP; 509.94. NV. EX. 8" SEWER; 508.06
  2. UX-2 PROPOSED UTILITY CROSSING NV. 30" RCP; 492.75. NV. EX. 8" SEWER; 488.34
  3. LIMITS OF PROPOSED CUT-OFF TRENCH
  4. LIMITS OF CLAY LINER
  5. ACCESS ROAD FOR PROFILE SEE SHEET 7
  6. EX. 42" CMP 8" BBR TO BE REMOVED ALONG WITH TO L.F. 30' BARREL PIPE
  7. BENCHES RE-LOCATED HERE AFTER CONSTRUCTION IS COMPLETED
  8. PER TO BE RE-LOCATED HERE AFTER CONSTRUCTION IS COMPLETED
  9. BASES TO BE RE-LOCATED HERE AFTER CONSTRUCTION IS COMPLETED
  10. RINGS TABLES TO BE RE-LOCATED HERE AFTER CONSTRUCTION IS COMPLETED
  11. REPLACE SANITARY MANHOLE WITH 4" PRECAST C.C. STANDARD MANHOLE 5'7" FROM THE BENCH. TOP COVER ELEV. 499.50. REPLACE TURN DOWN ELBOW WITH 9" SCHEDULE 40 PVC PER DETAIL
  12. CONTRACTOR IS RESPONSIBLE FOR PROVIDING BYPASS PUMPING FROM EX. MH #1 TO EX. MH #11 IN THE EVENT THAT TEMPORARY STORAGE IN EX. MH #1 DOES NOT PROVIDE ENOUGH TIME TO COMPLETE 4 & 8 IN SEQUENCE OF CONSTRUCTION FOR EX. MH #12.



**INSPECTION CHART FOR EX. SMH #12**

STAGE	DEVELOPER'S/ENGINEERS APPROVAL		
	INITIALS	DATE	BY
1. CONTACT DARRY BROWN WITH CARROLL COUNTY (443) 874-3788 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.			COUNTY
2. REMOVE MANHOLE WITH DAMAGE TO BASE.			COUNTY
3. PRIOR TO REMOVAL OF BOTTOM RING TEMPORARILY PLUG EX. SMH #1.			COUNTY
4. SET BOTTOM RING AND CONNECT PIPE.			COUNTY
5. REPLACE TURN DOWN WITH CUT AWAY PER DETAIL.			COUNTY
6. UNPLUG EX. SMH #1.			COUNTY
7. FINISH CONSTRUCTION OF MANHOLE WITH WATER-TIGHT FRAME AND COVER PER C.C. STANDARDS.			COUNTY

ENGINEER'S NAME: COUNTY, DARRY BROWN OF BUREAU OF UTILITIES  
PHONE NUMBER: (443) 874-3766



**GRADING & STORM DRAIN PLAN AND PROFILES**

**HARVEST FARMS**

5TH ELECTION DISTRICT • CARROLL COUNTY, MD.  
TAX MAP: 74 BLOCK: 13 PARCEL: 173

Engineers • Surveyors  
**CLSI**  
Civil Planning & Environmental Consultants  
www.clsi-civileng.com

439 East Main Street Westminster, MD 21157-5539  
(410) 848-1790 FAX (410) 848-1791

DAVID E. SMITH, P.E.  
PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22732, EXPIRATION DATE: JUNE 5, 2012

Date	Revisions	Drawn By: JW
		Designed By: AGM
		Reviewed By: DEB, JR.
		Date: JAN., 2011
		Scale: AS SHOWN
		Job No.: 860185G
		Sheet: 6

County File No.