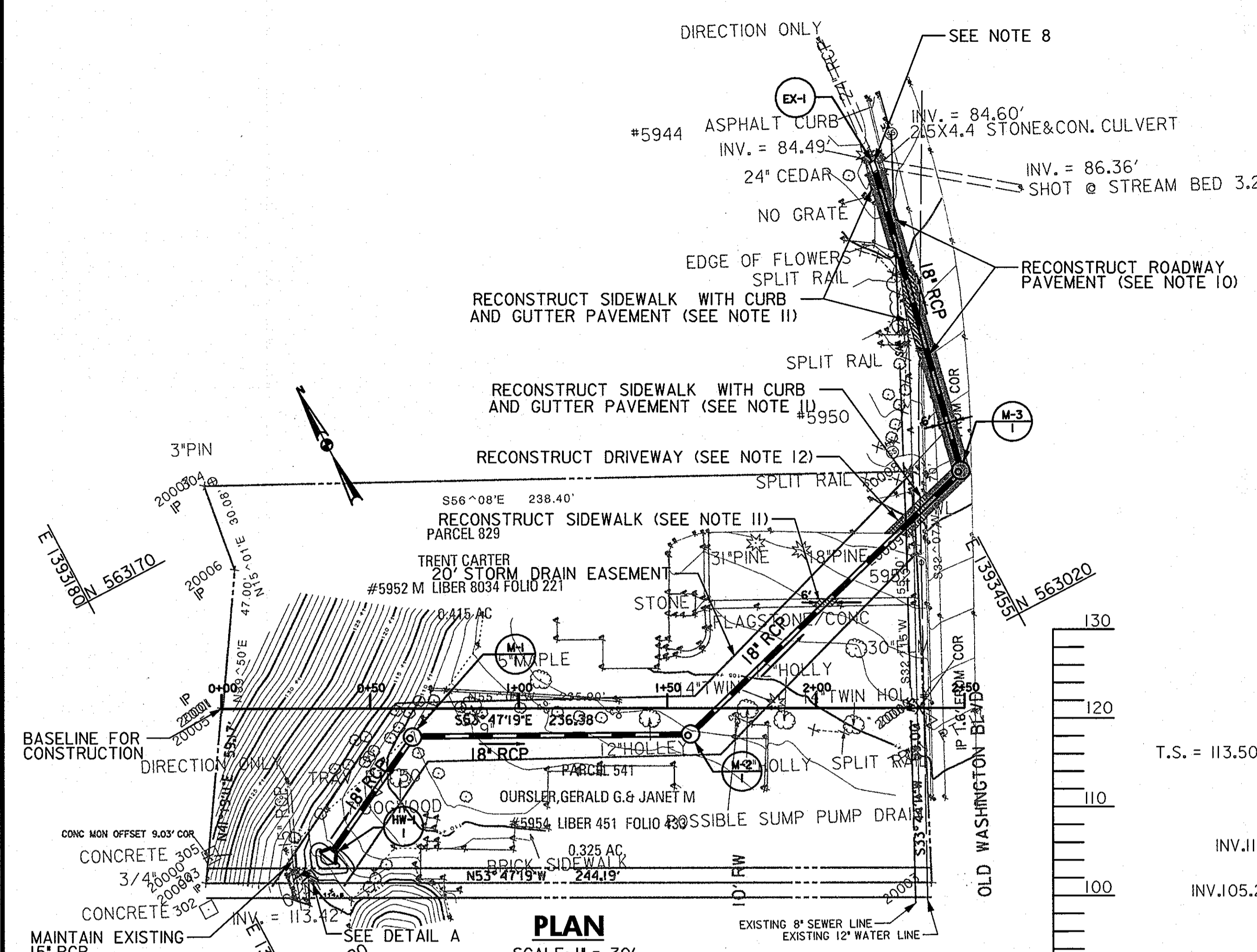
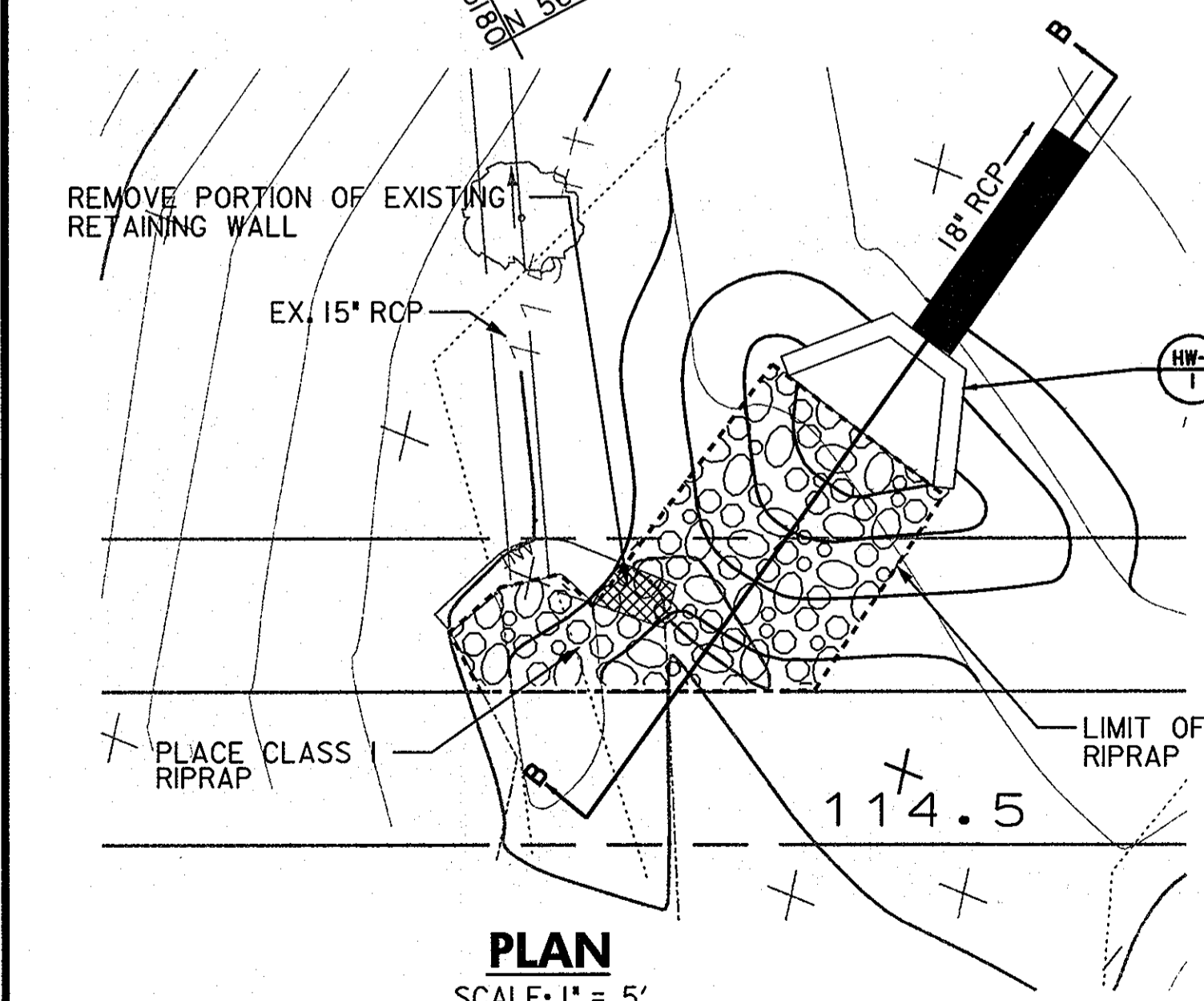


TRAV PT 18



PLAN
SCALE: 1" = 30'



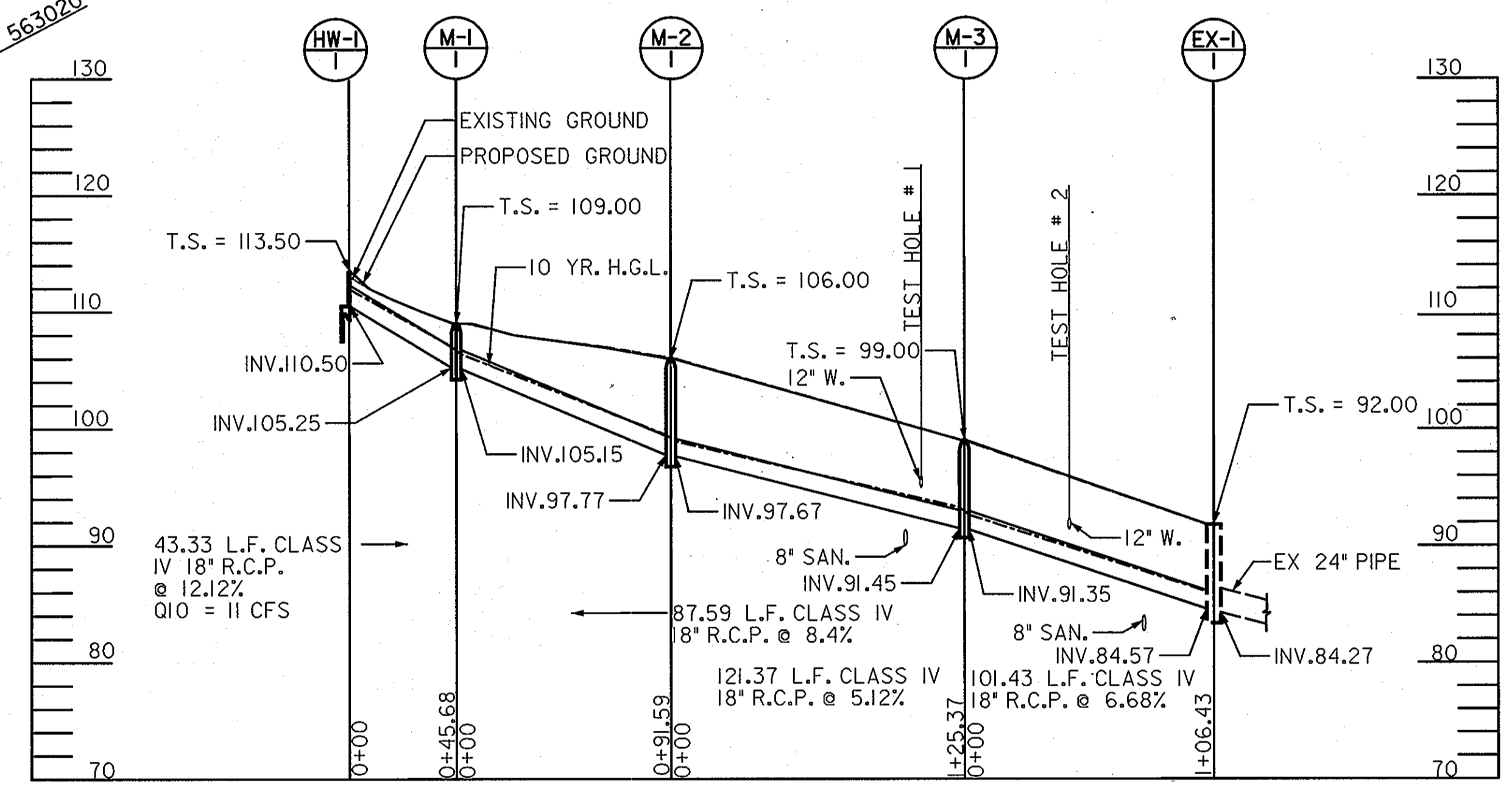
PLAN
SCALE: 1" = 5'

DETAIL A

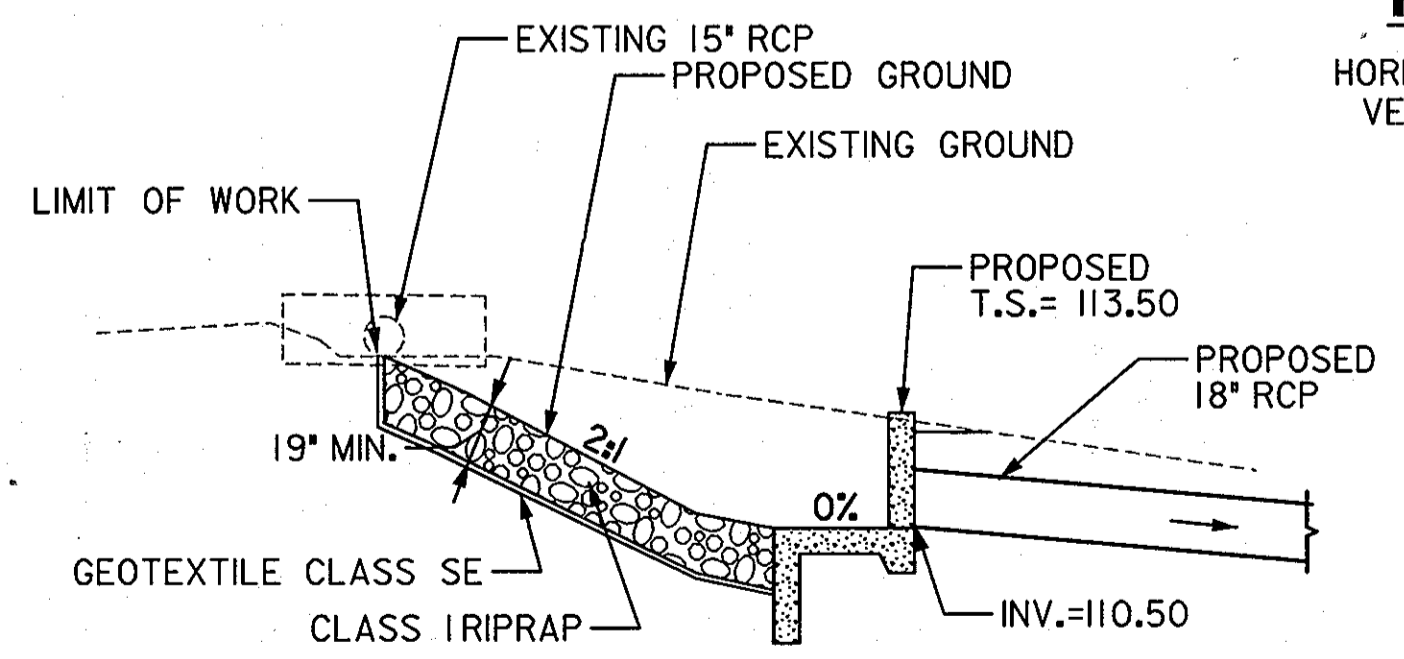
PIPE SCHEDULE				
FROM STRUCTURE NO.	TO STRUCTURE NO.	SIZE (INCH)	TYPE	LENGTH (L.F.)
HW-1	M-1	18"	RCP	43.33
M-1	M-2	18"	RCP	87.59
M-2	M-3	18"	RCP	121.37
M-3	EX-1	18"	RCP	101.43

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE NO.	STATION*	OFFSET*	TOP OF STRUCTURE		TYPE	STD. REF.
			IN	OUT		
HW-1	0+34.54	47.60' RIGHT	113.50	110.50	HEADWALL	SD5.11
M-1	0+64.33	9.66' RIGHT	109.00	105.25	MANHOLE	G5.01
M-2	1+57.83	8.73' RIGHT	106.00	97.77	MANHOLE	G5.01
M-3	2+49.02	80.43' LEFT	99.00	91.45	MANHOLE	G5.01
EX-1	2+19.61	182.60' LEFT	92.00	84.57	INLET	EXISTING

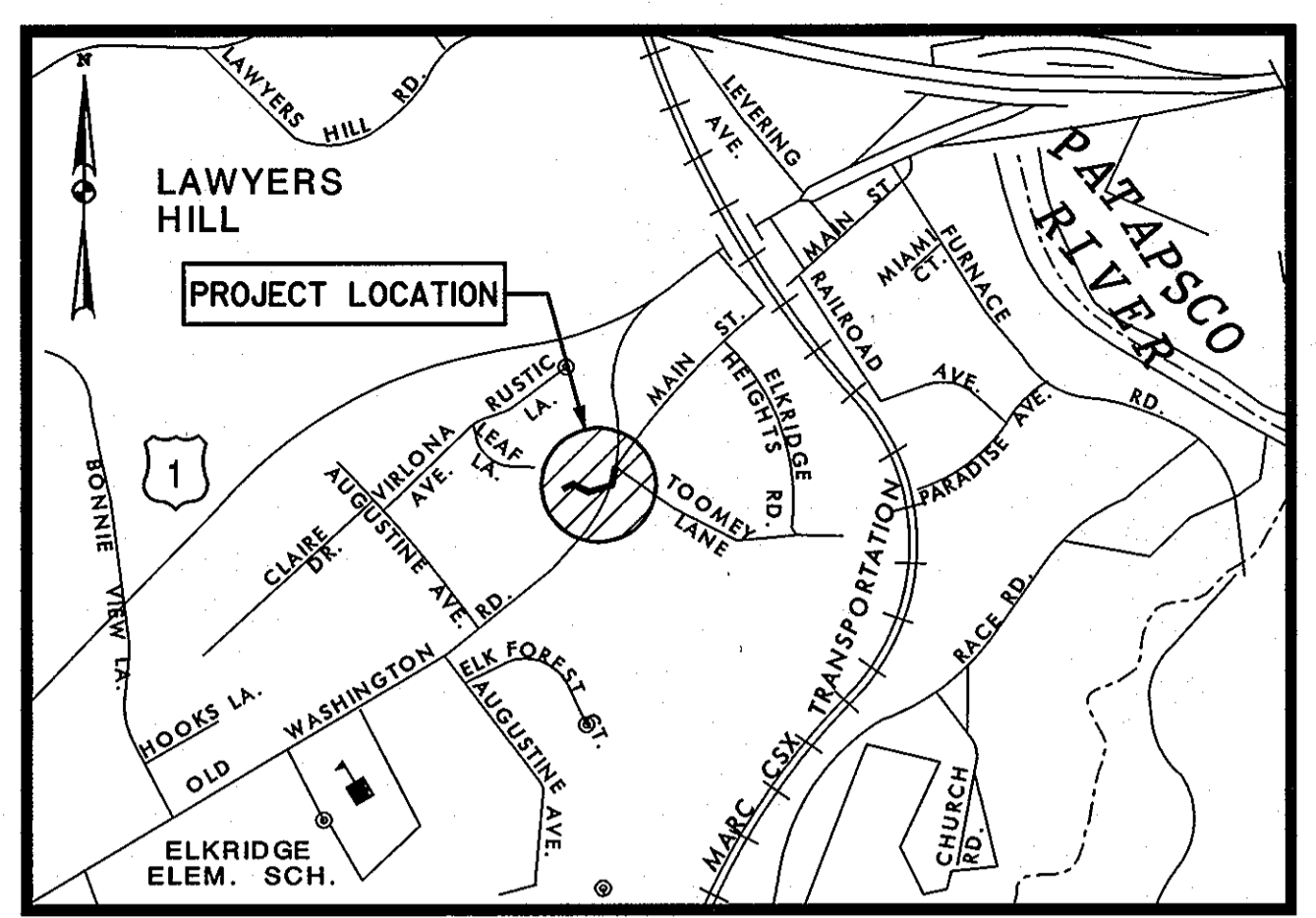
*NOTE: STATION AND OFFSET INFORMATION IS TO THE CENTER OF STRUCTURE



PIPE PROFILE
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'



PROFILE SECTION B-B
SCALE: 1" = 5'



VICINITY MAP
SCALE: 1" = 1000'

CONSTRUCTION BASELINE INFORMATION			
CONTROL POINT	EASTING	NORTHING	REMARK
STA. 0+00.00	1,393202.8395	563116.9219	PROPERTY CORNER
STA. 2+50.00	1,393424.0343	563000.4192	PROPERTY CORNER

BENCH MARK INFORMATION			
CONTROL POINT	EASTING	NORTHING	ELEVATION
TRAV PT 17	1,393411.8850	563002.3290	104.00
TRAV PT 18	1,393531.7070	563244.8120	**

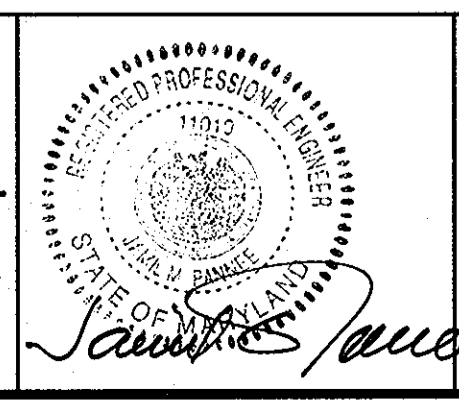
GENERAL NOTES

1. STORM FLOWS ($Q_{10} = 11.0$ CFS) WAS USED TO DESIGN THE NEW DRAINAGE SYSTEM AS PROVIDED BY HOWARD COUNTY.
2. ANY SHRUBS THAT WILL BE AFFECTED BY THE NEW BERM SHALL BE TRANSPLANTED AS DIRECTED BY THE ENGINEER.
3. EXISTING UNDERDRAINS AND ROOF DRAINS AFFECTED BY THE NEW STORM PIPE SHALL BE EXTENDED AND CONNECTED TO THE NEAREST MANHOLE.
4. TOPOGRAPHIC SURVEY WERE PROVIDED BY URS FOR THIS DESIGN.
5. ALL DRAINAGE STRUCTURE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS.
6. UTILITY INFORMATION IS BASED ON RECORD DRAWING PROVIDED BY THE HOWARD COUNTY.
7. THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL FOR THE CONSTRUCTION OF STORM DRAIN SYSTEM ON OLD WASHINGTON ROAD PER SHA STANDARD NO. 104.31-02. AT THE END OF EACH WORK DAY, CONTRACTOR SHALL COVER THE TRENCH WITH STEEL PLATE.
8. THE TRENCH BEDDING SHALL BE CONSTRUCTED AS PER HOWARD COUNTY STANDARD G2.01.
9. CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK.
10. RECONSTRUCT IN KIND ROADWAY PAVEMENT (560 SF).
11. RECONSTRUCT IN KIND SIDEWALK (16 SF) AND IN KIND SIDEWALK ALONG OLD WASHINGTON ROAD WITH CURB AND GUTTER (178 SF).
12. RECONSTRUCT IN KIND DRIVEWAY (45 SF).

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Steve Shevan 10/1/04 DATE
CHIEF, BUREAU OF ENGINEERING

William E. Mahaffey 10-4-04 DATE
CHIEF, BUREAU OF HIGHWAYS



URS
HUNT VALLEY, MARYLAND

RJM
RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND
TEL: (410) 730-1001 FAX: (410) 730-5403

DES:				
DRN:				
CHK:				
DATE:	BY	NO.	REVISION	DATE

OLD WASHINGTON ROAD STORMDRAIN IMPROVEMENTS

HOWARD COUNTY, MARYLAND
CAPITAL PROJECT NO. D-1118

SCALE AS SHOWN
SHEET 1 OF 1