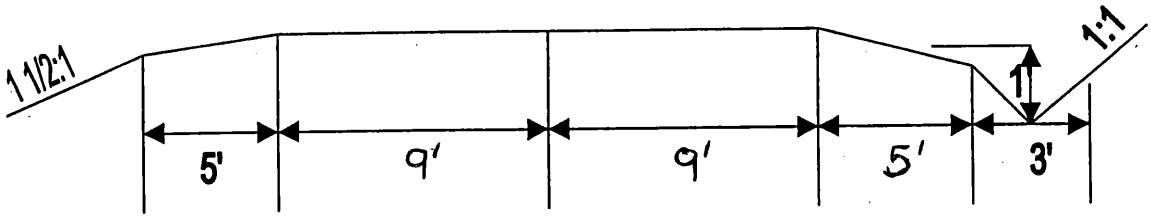
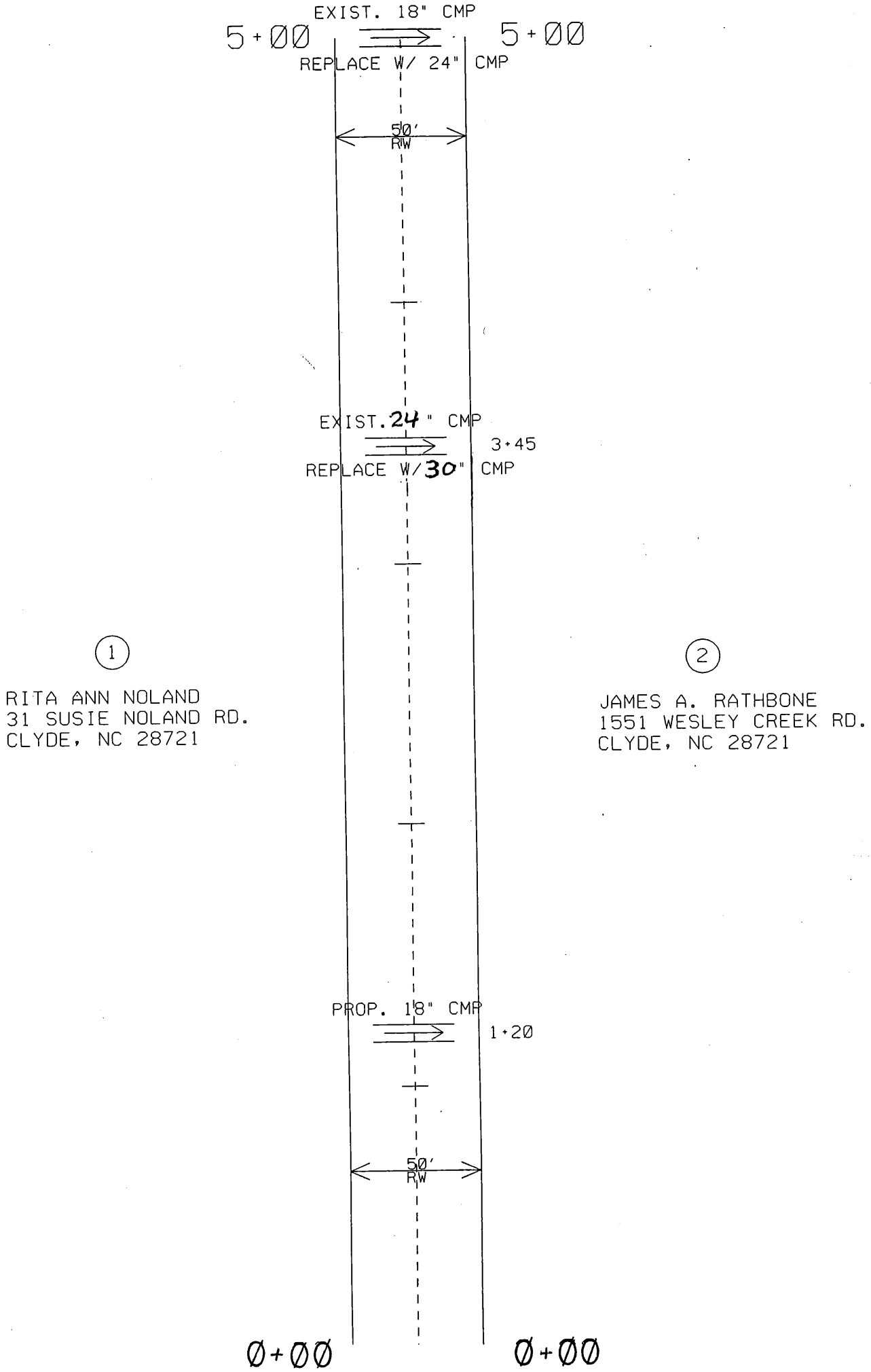
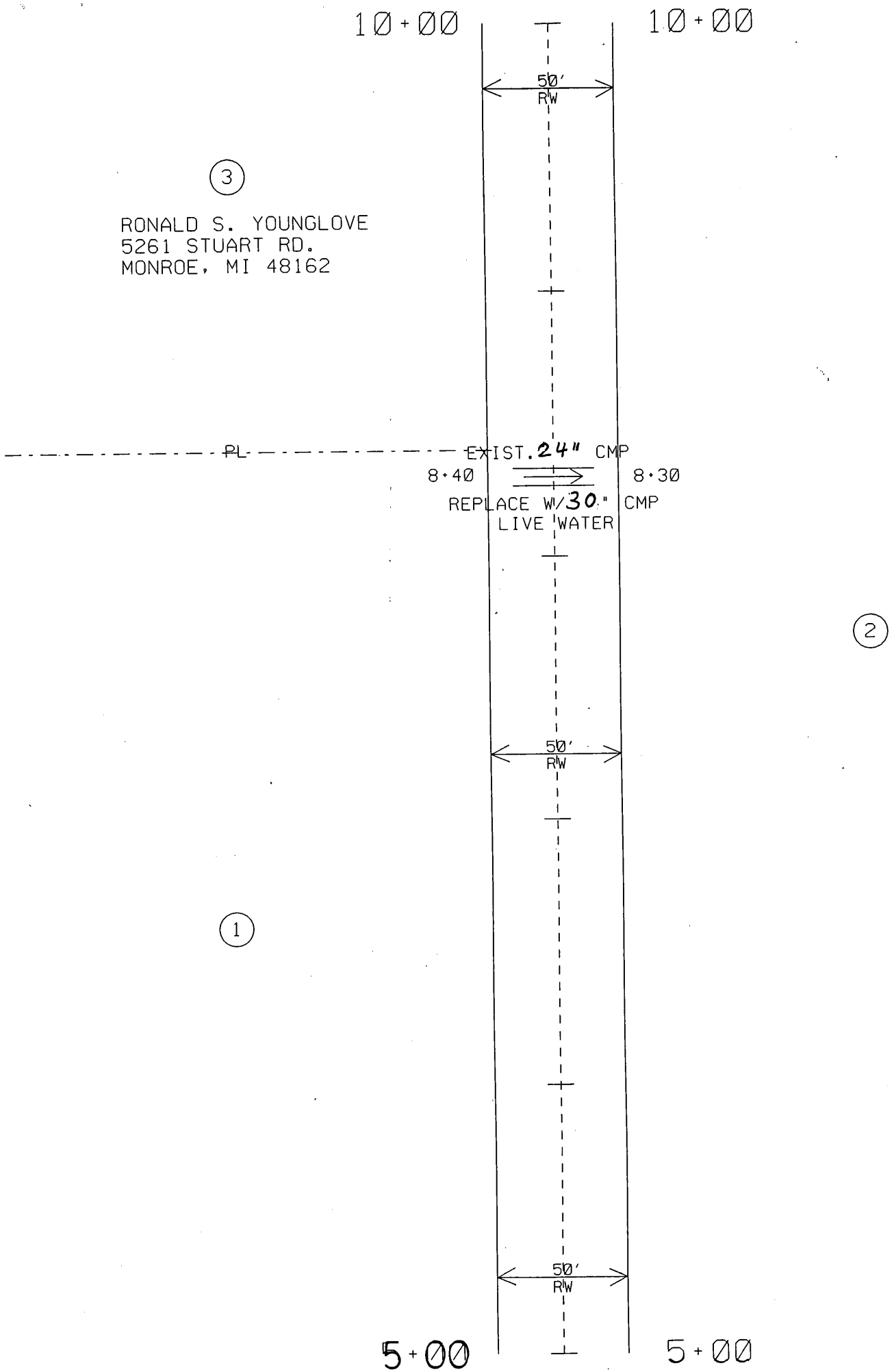
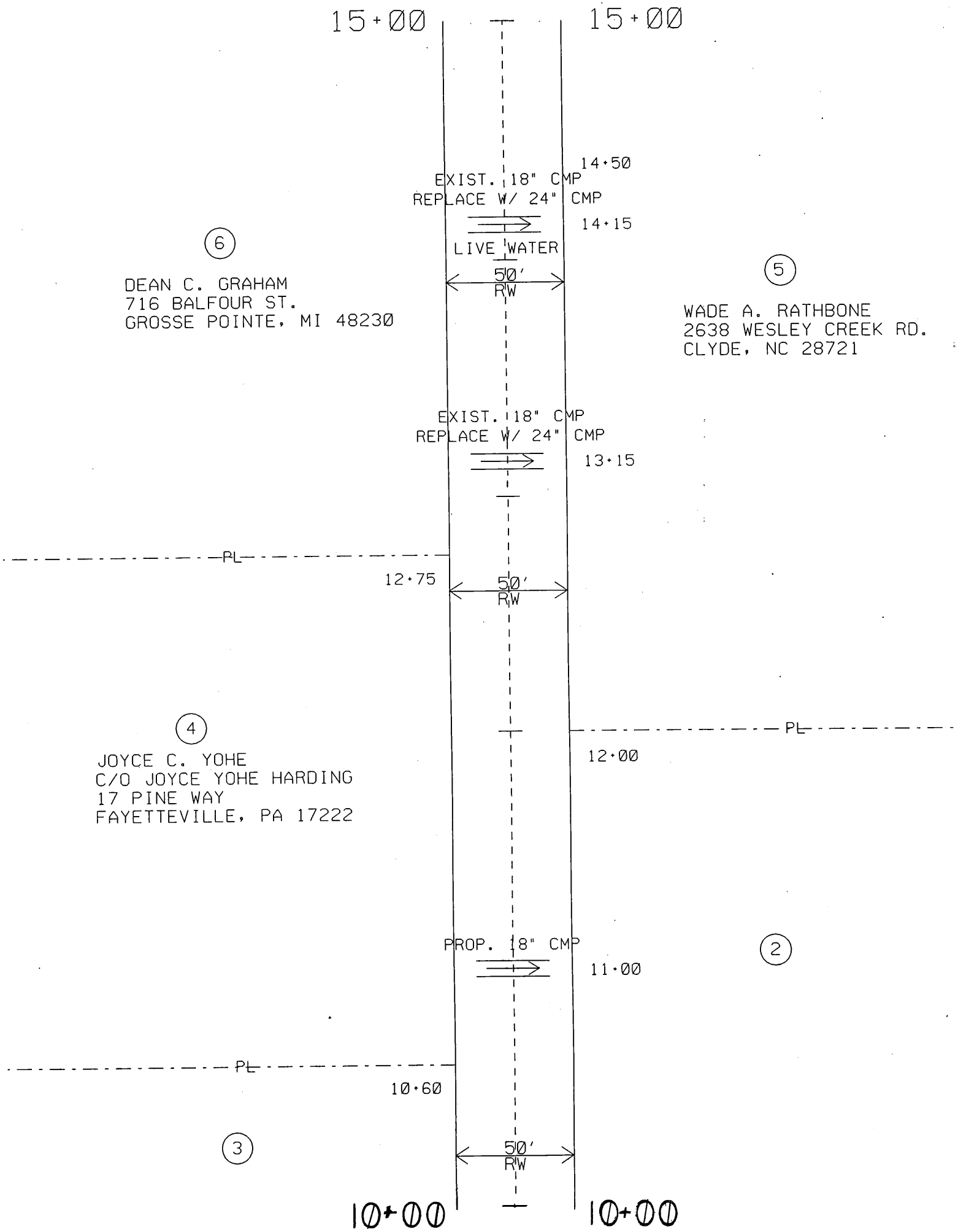
HaywoodCOUNTY

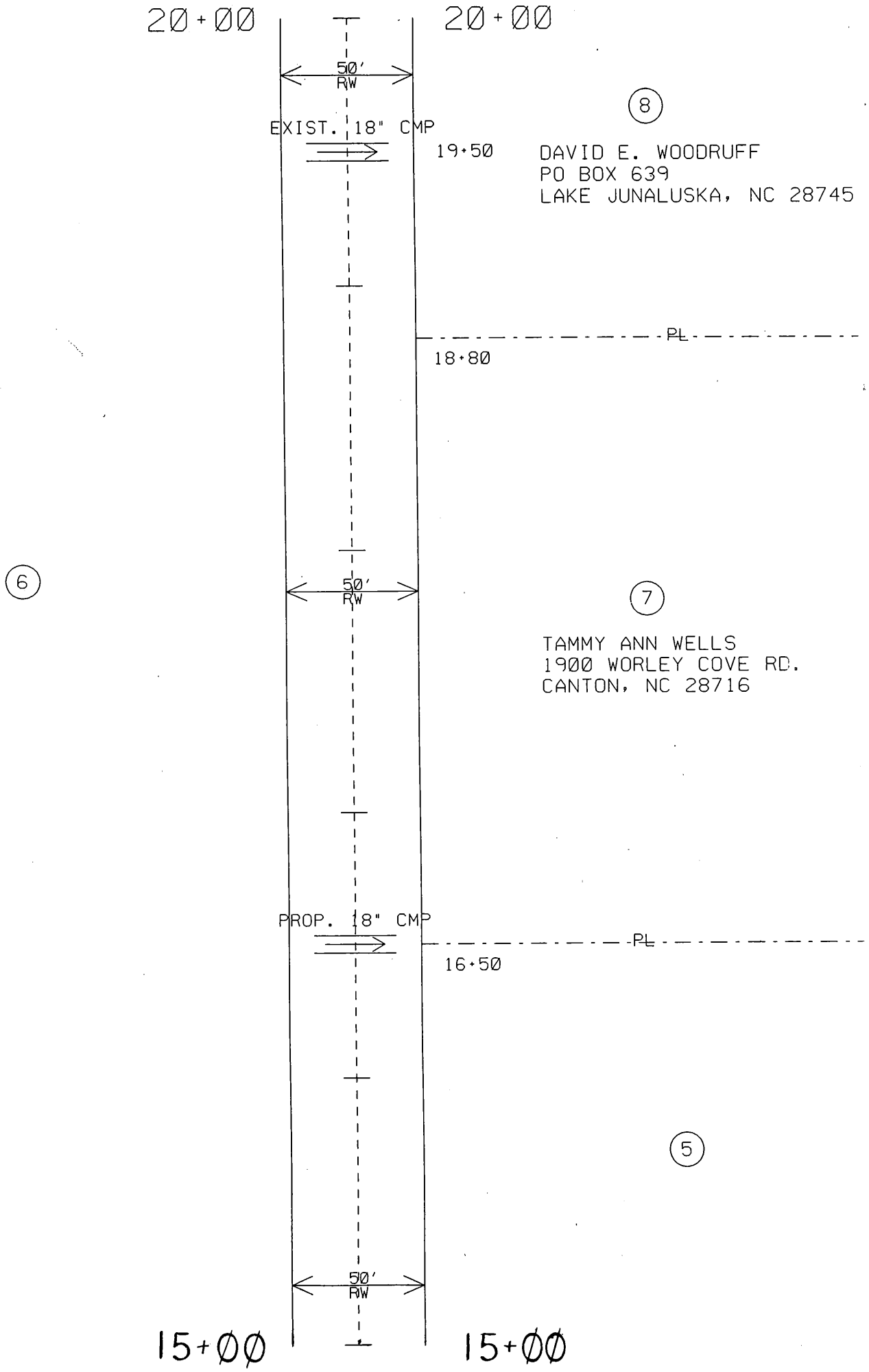
ROAD NAME	Wesley Creek Rd.
SR	1336A
W.O.	14c.044072
FROM	End of pavement of SR 1336 For 5,450' To End Of Proj
ADDITION	No
IMPROVEMENT	Yes
TO BE PAVED	Yes
P. POLES TO BE MOVED	9
T. POLES TO BE MOVED	0
R/W WIDTH	50'
SCALE	1"=50'
DATE	3-23-04
DESIGN YEAR	2028
DESIGN ADT	603

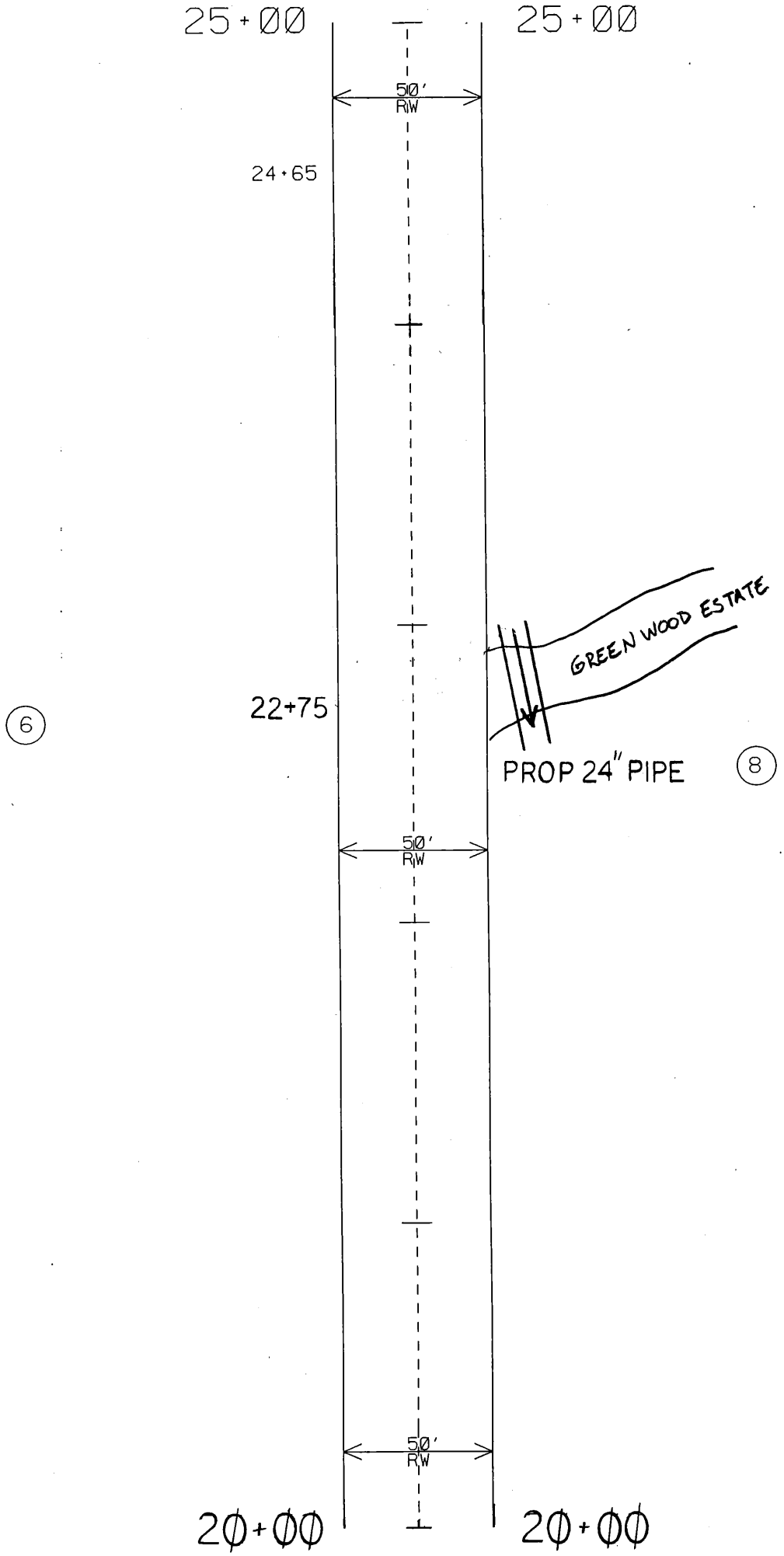


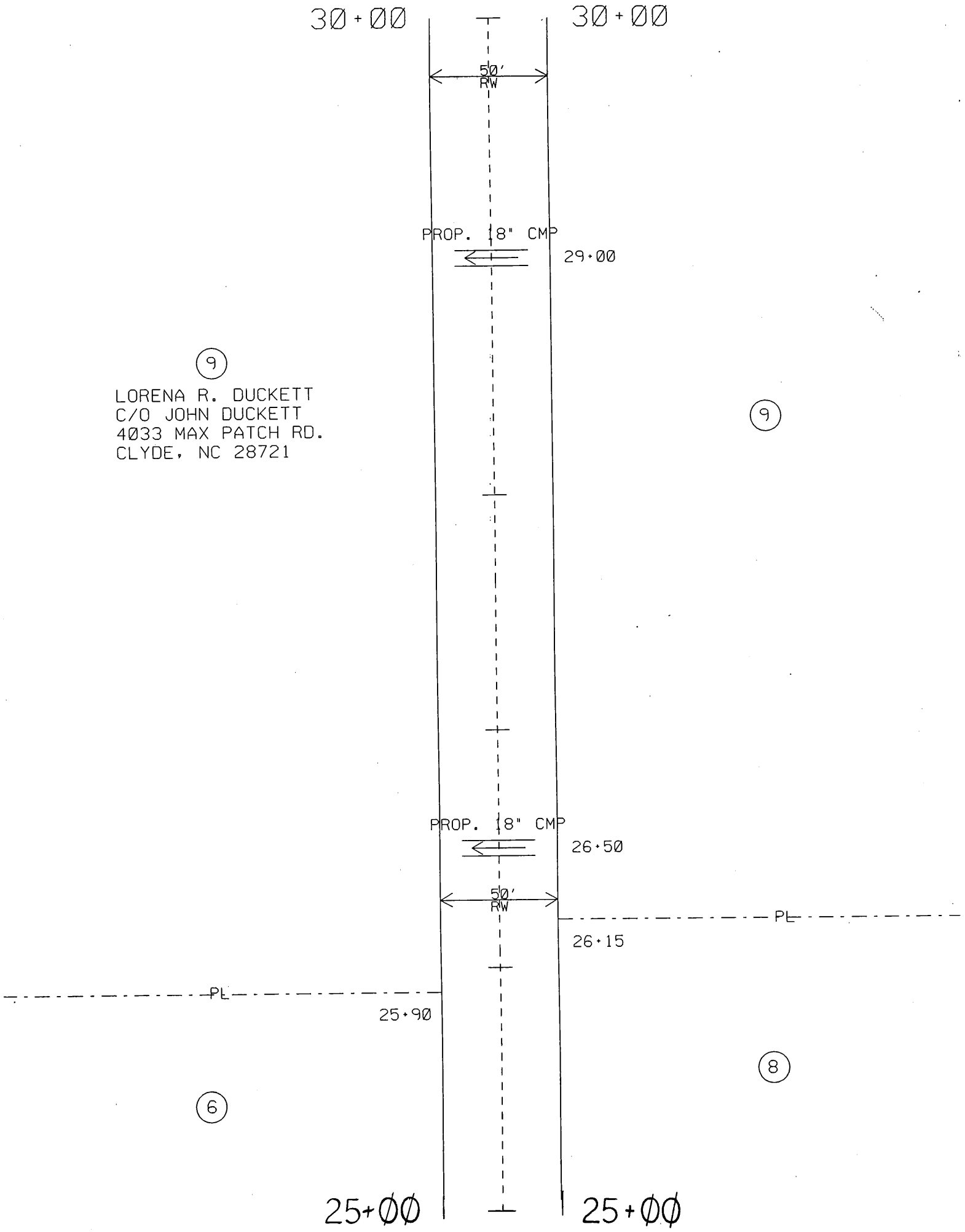

EXIST. 18" CMP
5+00
5+00
REPLACE W/ 24" CMP
50'
RW
EXIST. 24" CMP
3+45
REPLACE W/ 30" CMP
1
RITA ANN NOLAND
31 SUSIE NOLAND RD.
CLYDE, NC 28721
2
JAMES A. RATHBONE
1551 WESLEY CREEK RD.
CLYDE, NC 28721
PROP. 18" CMP
1+20
50'
RW
0+00
0+00

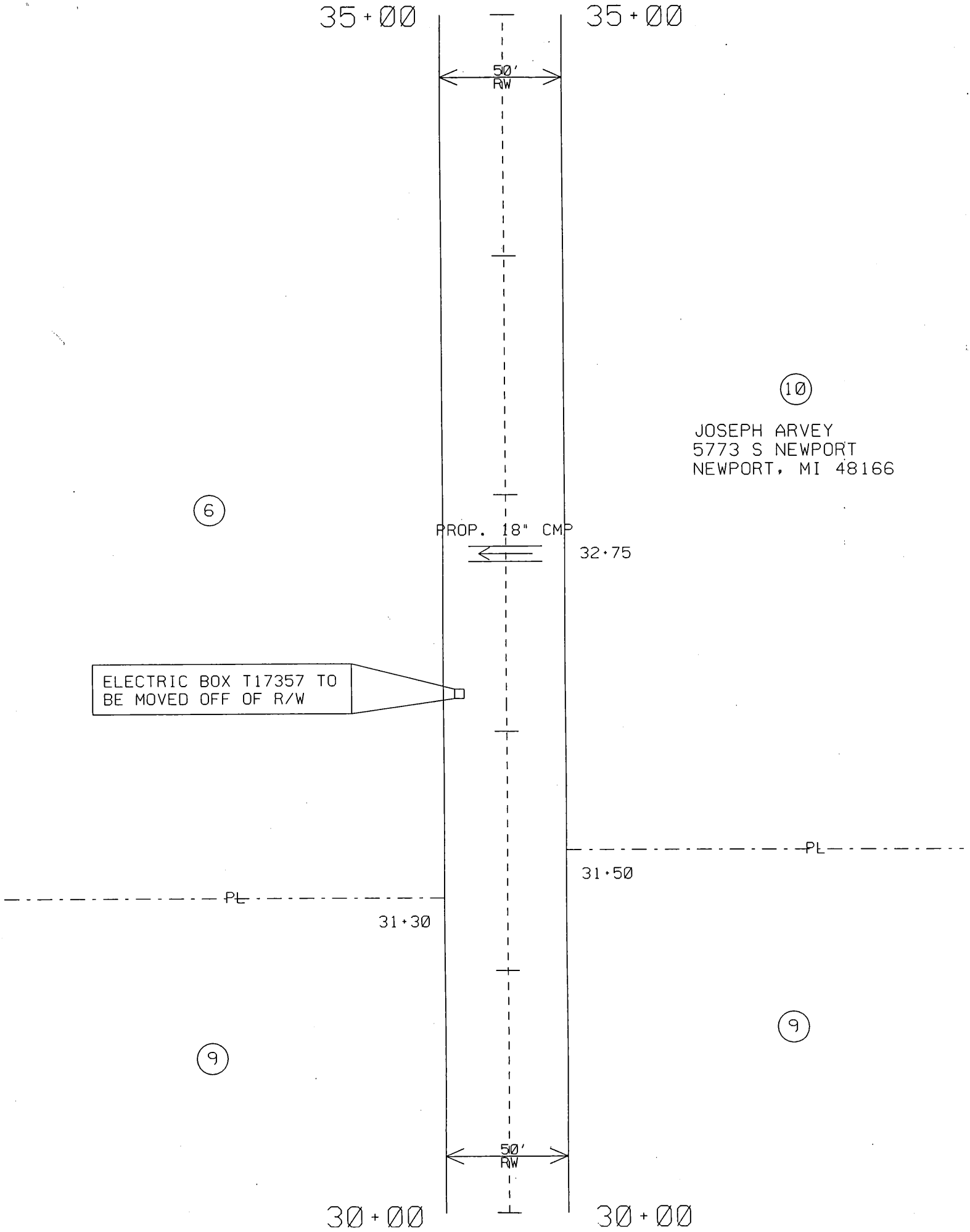

10+00
10+00
50'
RW
3
RONALD S. YOUNGLOVE
5261 STUART RD.
MONROE, MI 48162
PL
EXIST. 24" CMP
8+40
8+30
REPLACE W/ 30" CMP
LIVE WATER
2
50'
RW
1
50'
RW
5+00
5+00

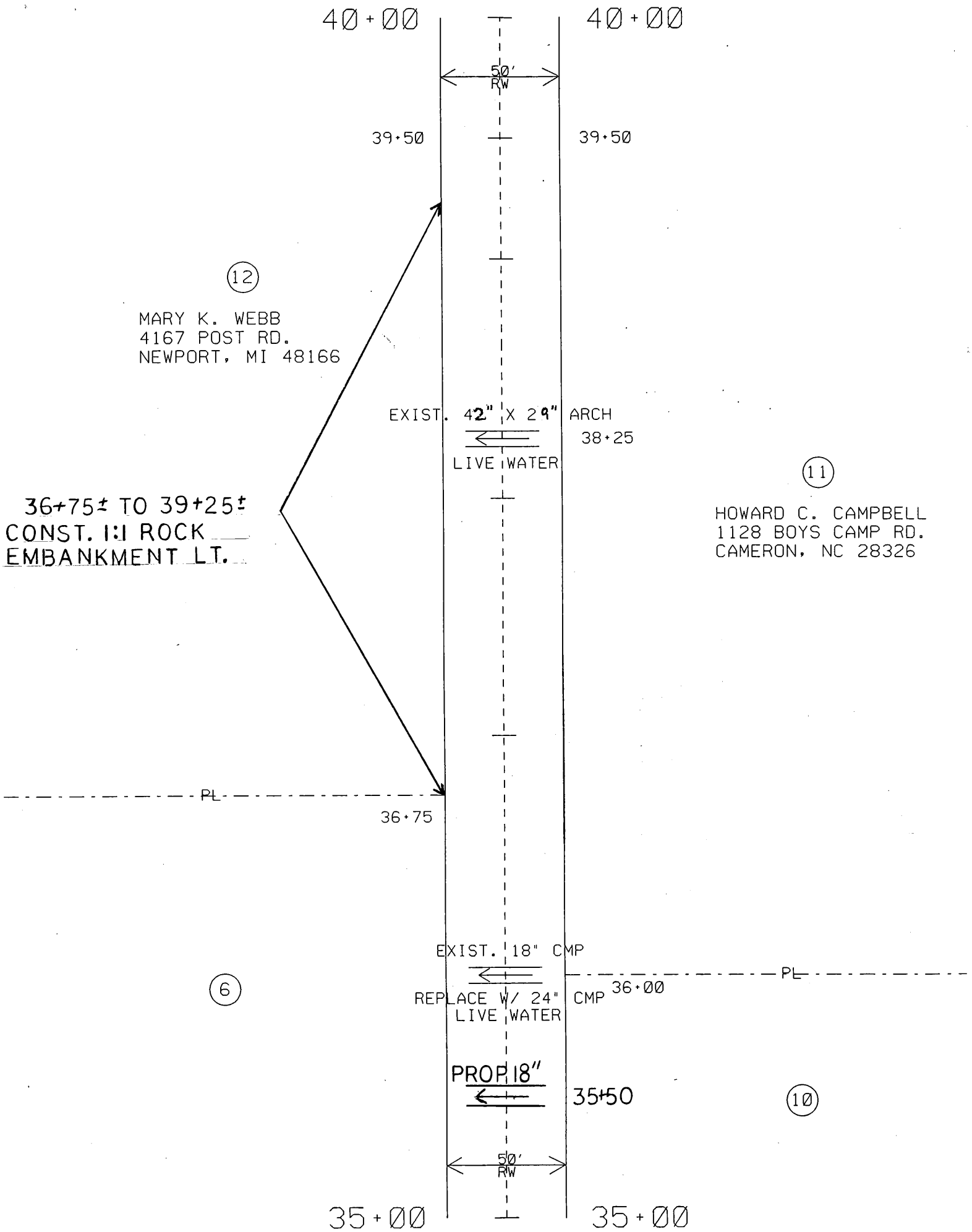

15+00
15+00
14+50
EXIST. 18" CMP
REPLACE W/ 24" CMP
14+15
LIVE WATER
50'
RW
6
DEAN C. GRAHAM
716 BALFOUR ST.
GROSSE POINTE, MI 48230
5
WADE A. RATHBONE
2638 WESLEY CREEK RD.
CLYDE, NC 28721
EXIST. 18" CMP
REPLACE W/ 24" CMP
13+15
PL
12+75
50'
RW
4
JOYCE C. YOHE
C/O JOYCE YOHE HARDING
17 PINE WAY
FAYETTEVILLE, PA 17222
PL
12+00
PROP. 18" CMP
11+00
2
PL
10+60
3
50'
RW
10+00
10+00

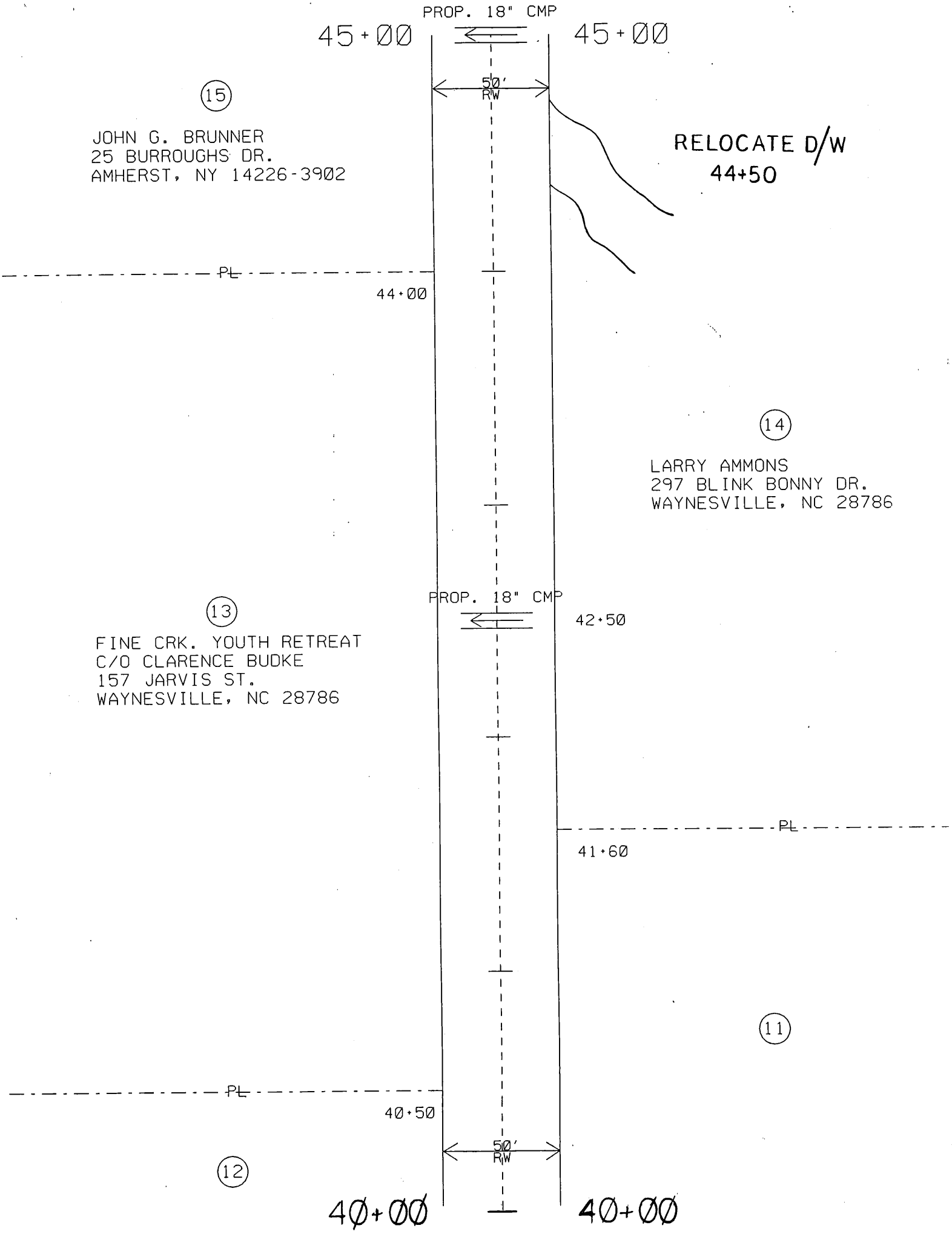

20+00
20+00
50' RW
EXIST. 18" CMP
19+50
8
DAVID E. WOODRUFF
PO BOX 639
LAKE JUNALUSKA, NC 28745
PL
18+80
6
50' RW
7
TAMMY ANN WELLS
1900 WORLEY COVE RD.
CANTON, NC 28716
PROP. 18" CMP
PL
16+50
5
50' RW
15+00
15+00

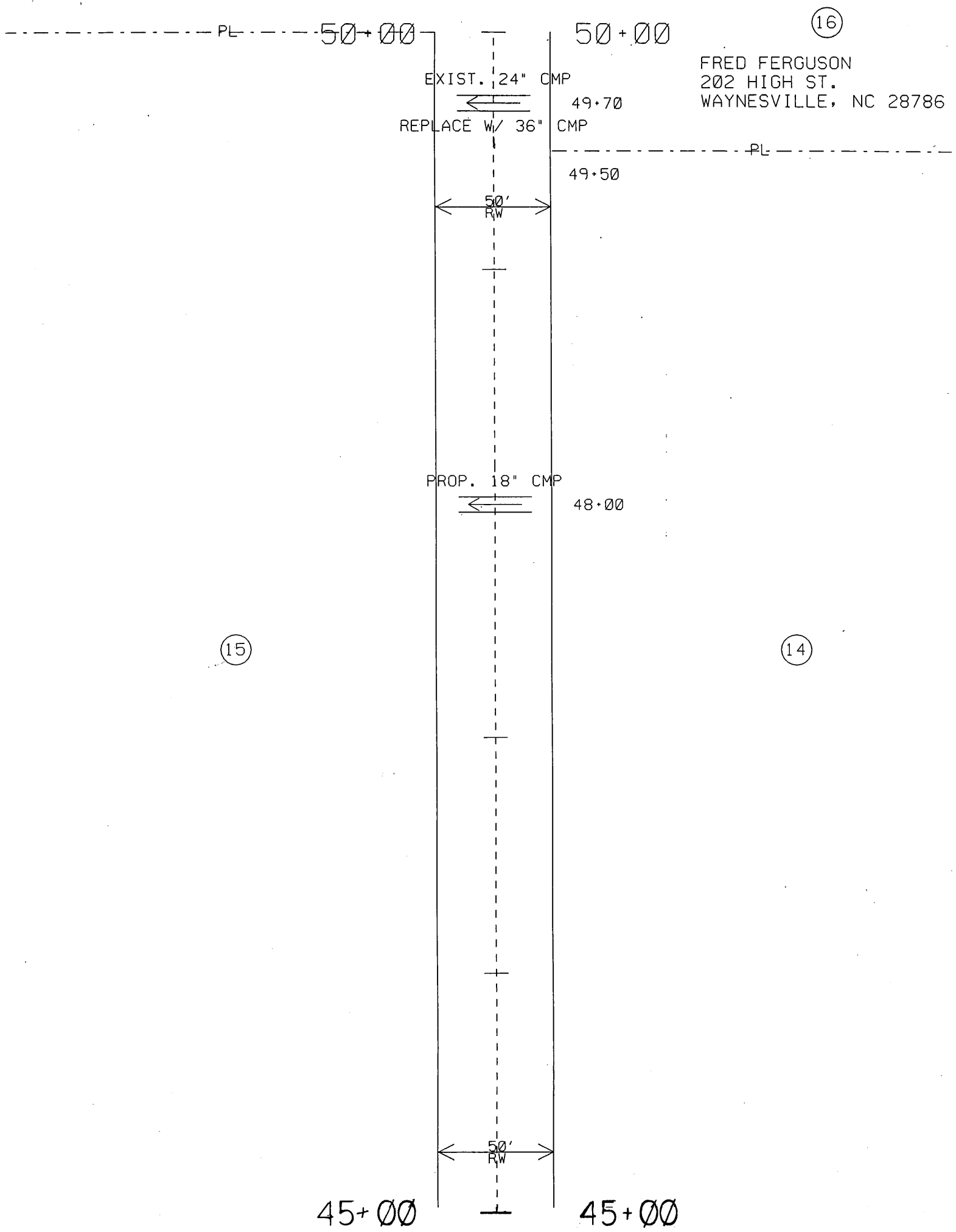

25+00
25+00
50'
RW
24+65
GREEN WOOD ESTATE
22+75
6
PROP 24" PIPE
8
50'
RW
50'
RW
20+00
20+00

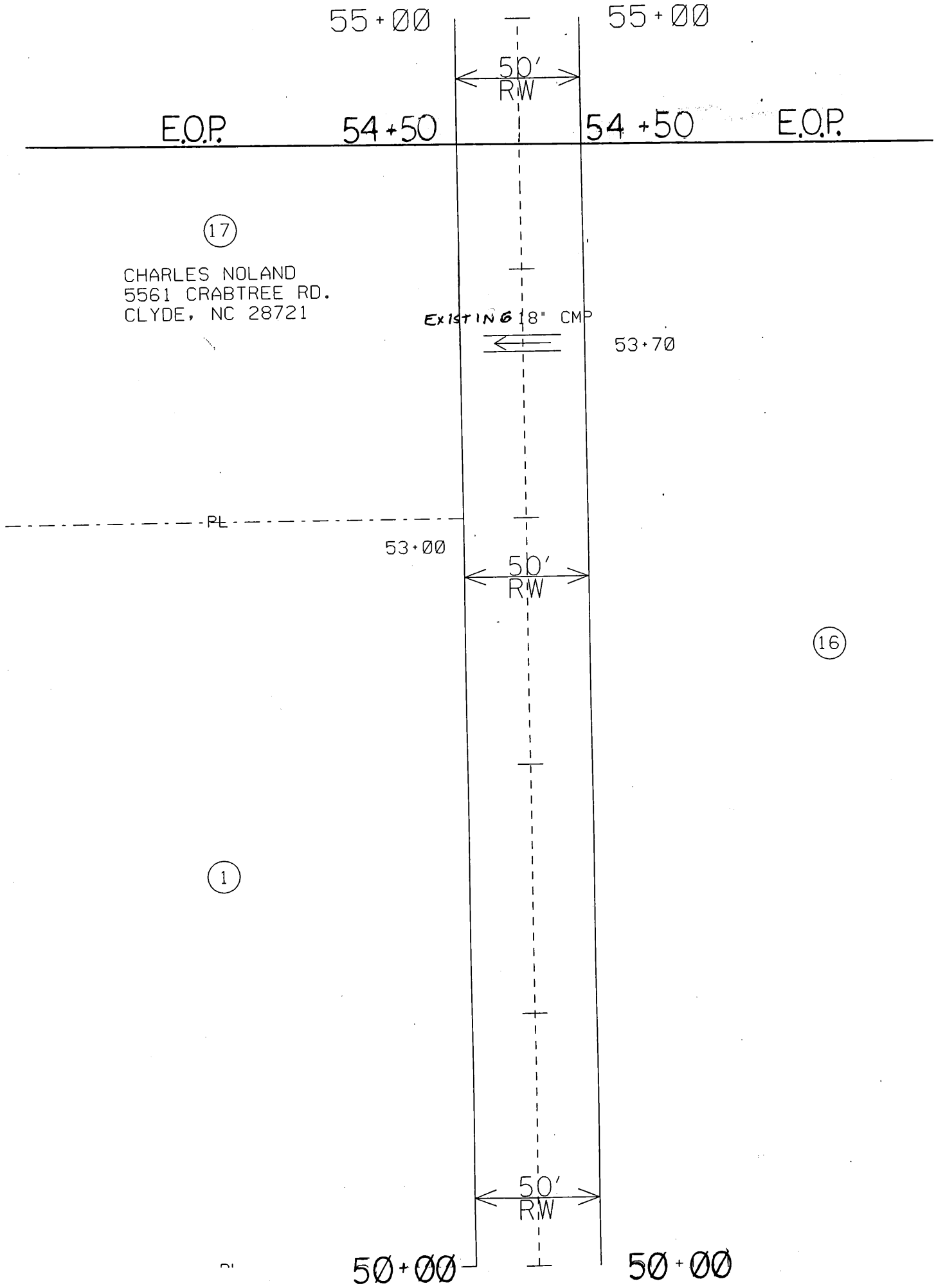

30+00
30+00
50'
RW
PROP. 18" CMP
29+00
9
LORENA R. DUCKETT
C/O JOHN DUCKETT
4033 MAX PATCH RD.
CLYDE, NC 28721
9
PROP. 18" CMP
26+50
50'
RW
PL
26+15
PL
25+90
8
6
25+00
25+00


35+00
35+00
50'
RW
10
JOSEPH ARVEY
5773 S NEWPORT
NEWPORT, MI 48166
6
PROP. 18" CMP
32+75
ELECTRIC BOX T17357 TO
BE MOVED OFF OF R/W
PL
31+50
PL
31+30
9
9
50'
RW
30+00
30+00


40+00
40+00
50' RW
39+50
39+50
12
MARY K. WEBB
4167 POST RD.
NEWPORT, MI 48166
EXIST. 42" X 29" ARCH
38+25
LIVE WATER
11
HOWARD C. CAMPBELL
1128 BOYS CAMP RD.
CAMERON, NC 28326
36+75± TO 39+25±
CONST. 1:1 ROCK
EMBANKMENT LT.
PL
36+75
EXIST. 18" CMP
PL
36+00
6
REPLACE W/ 24" CMP
LIVE WATER
PROP 18"
35+50
10
50' RW
35+00
35+00


PROP. 18" CMP
45+00
45+00
50' RW
15
JOHN G. BRUNNER
25 BURROUGHS DR.
AMHERST, NY 14226-3902
RELOCATE D/W
44+50
PL
44+00
14
LARRY AMMONS
297 BLINK BONNY DR.
WAYNESVILLE, NC 28786
PROP. 18" CMP
42+50
13
FINE CRK. YOUTH RETREAT
C/O CLARENCE BUDKE
157 JARVIS ST.
WAYNESVILLE, NC 28786
PL
41+60
11
PL
40+50
50' RW
12
40+00
40+00


PL
50+00
50+00
16
FRED FERGUSON
202 HIGH ST.
WAYNESVILLE, NC 28786
EXIST. 24" CMP
49+70
REPLACE W/ 36" CMP
PL
49+50
50'
RW
PROP. 18" CMP
48+00
15
14
50'
RW
45+00
45+00


55+00
55+00
50'
RW
E.O.P.
54+50
54+50
E.O.P.
17
CHARLES NOLAND
5561 CRABTREE RD.
CLYDE, NC 28721
EXISTING 18" CMP
53+70
PL
53+00
50'
RW
16
1
50'
RW
50+00
50+00

SR 1336, Wesley Creek Rd.

NPN 61-03447

POLE DATA

PROJECT 14C.044076 COUNTY Haywood Sheet 1 of

OWNER OF POLE LINE Haywood EMC

STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD LT.	DIST. FROM CENTER PRESENT ROAD RT.	DIST. FROM CENTER PROJECT LT.	DIST. FROM CENTER PROJECT RT.	DIST. CENTER PROJECT AFTER MOVING LT.	DIST. CENTER PROJECT AFTER MOVING RT.	REMARKS
								~~Pole OK~~ move 3' Rt
0+56			14'		14'			Move Pole 3' Rt
2+34			8'		12'			Move Pole 3' Rt.
4+45			8'		12'			Pole OK
7+75								Pole OK move underground feed
8+70	F 4796 5		8'		15'			Pole OK move guy wire
10+48			11'		14'			Move Pole 5' Lt. underg feed
13+55	F2848 5	13'		14.5'				Pole OK
14+53		15'		19'				Pole OK
15+88			8'		14'			Pole OK
18+27	F 4813 5		8'		14'			Transformer OK
19+90	T167 2B	22'		26'				Move Transformer 10' Lt.
32+37	T173 5	12'		6'				Move Transformer 20' Lt.
40+90	J10	27'±		30'±				Transformer OK
49+90	J4		27'±		30'±			

SR 1336, Wesley Creek Rd.

NPN 61-03447

POLE DATA

PROJECT 14C.044076 COUNTY Haywood Sheet 1 of

OWNER OF POLE LINE AT&T

STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD LT.	DIST. FROM CENTER PRESENT ROAD RT.	DIST. FROM CENTER PROJECT LT.	DIST. FROM CENTER PROJECT RT.	DIST. CENTER PROJECT AFTER MOVING LT.	DIST. CENTER PROJECT AFTER MOVING RT.	REMARKS
4+95			11'		9.5'			Move Ped. 5' RT
22+65			30'		25'			Ped OK
36+25	N4		12'		30'±			Ped OK
36+90			7'		0'			Move Ped ~~[illegible]~~ 19' RT
41+63		9'		12'				Move Ped ~~[illegible]~~ 29' RT

PIPE SCHEDULE

Station	Size	Length	Permited
1 + 20	18"	50'	No
3 + 45	30"	55'	Yes, Site 1
5 + 00	24"	50'	No
8 + 40	30 '	40'	Yes, Site 2
11 + 00	18"	40'	No
13 + 15	24"	50'	No
14 + 15	24"	55'	Yes, Site 3
16 + 50	18"	40'	No
19 + 50	18"	40'	No
22 + 75	24"	60'	No (Side Drain)
26 + 50	18"	40'	No
29 + 00	18"	50'	No
32 + 75	18"	60'	No
35 + 50	18"	60'	No
36 + 00	24"	90'	Yes, Site 4
38 + 25	42" x 29"	47'	Yes, Site 5
42 + 50	18"	60'	No
45 + 00	18"	70'	No
48 + 00	18"	70'	No
49 + 70	36"	70'	No
53 + 70	18"	40'	No

Note: Install side drain pipe as required @ driveways

Site #1

Sta. 3+48

EXIST. 20'x24" CMP

PROP. 55'x30" CMP

Stream width: 1½'

BM Elev. 100.00

Nail in base, 8" walnut

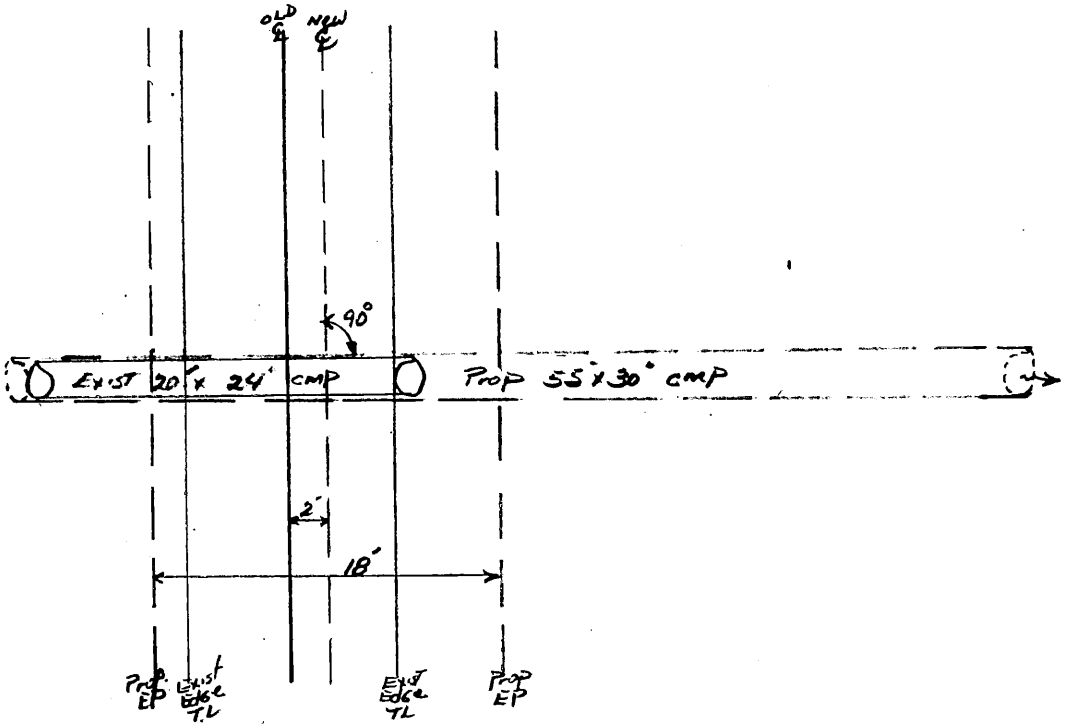
23' Lt. Sta 3+50

Extend inlet: 1'

Extend outlet: 32'

Skew: 90°

Haywood Co.
Wesley Creek
SR 1336-A



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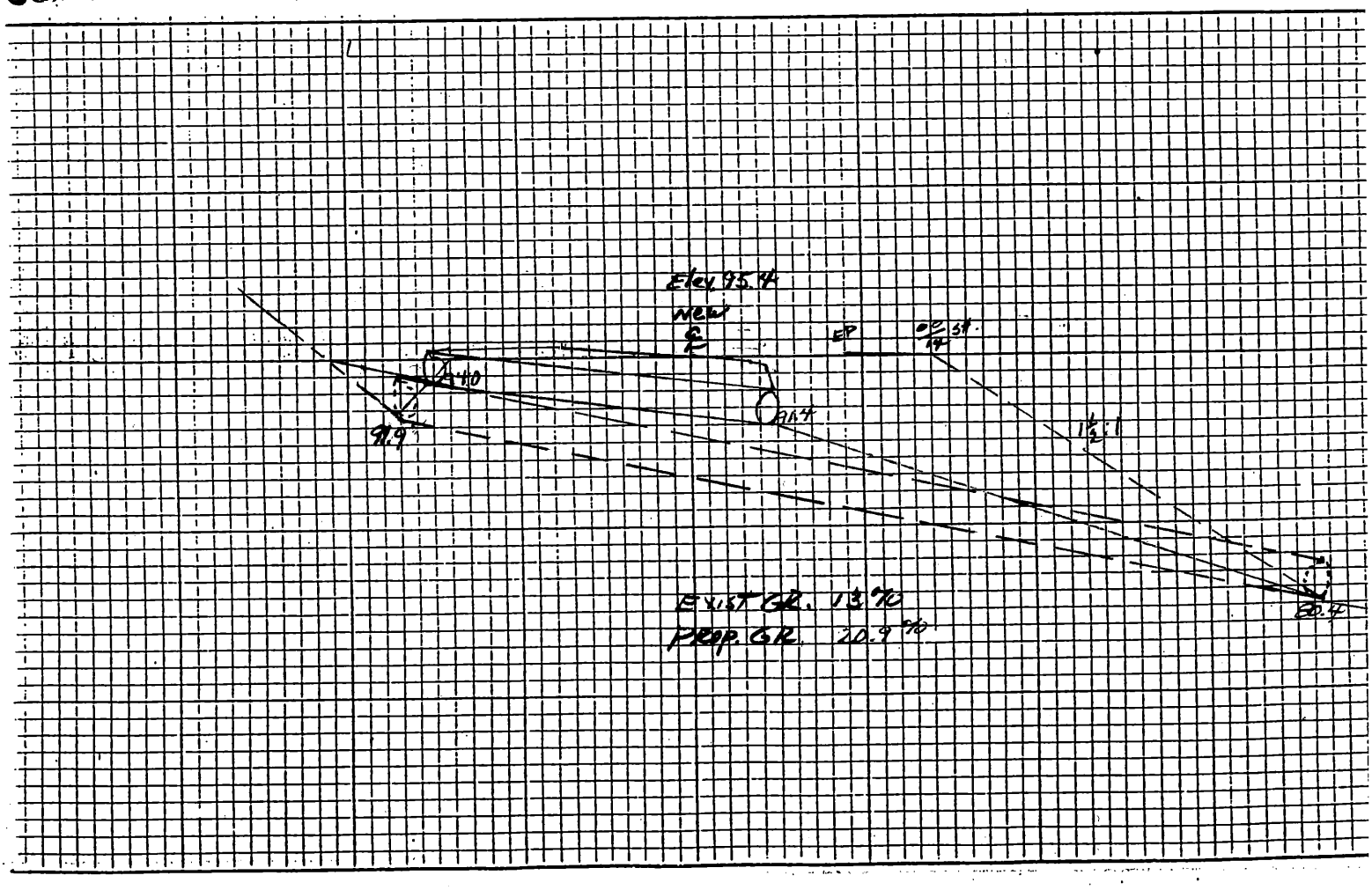
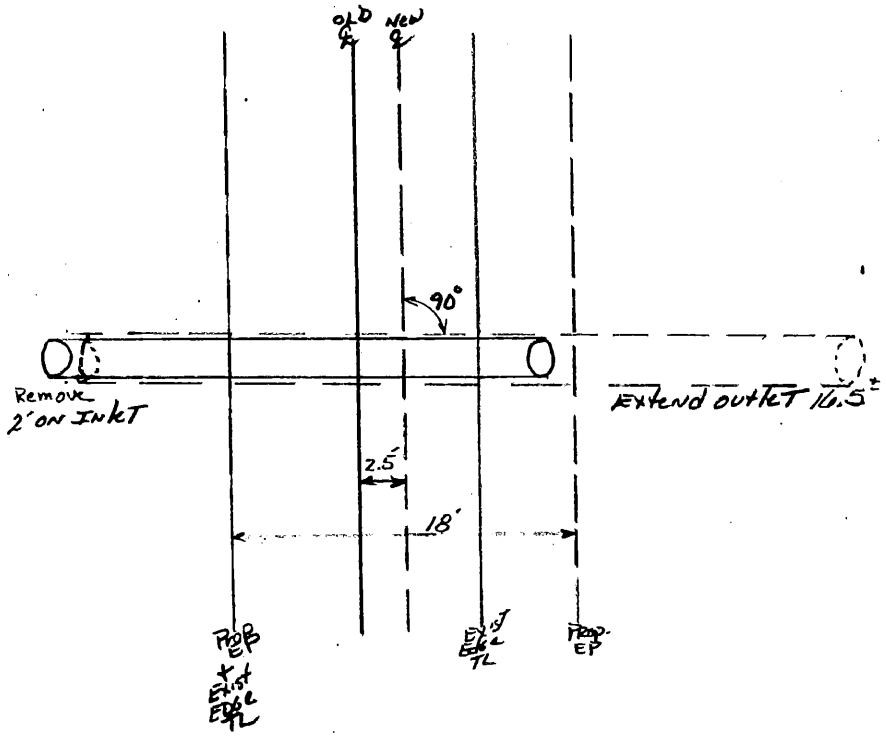
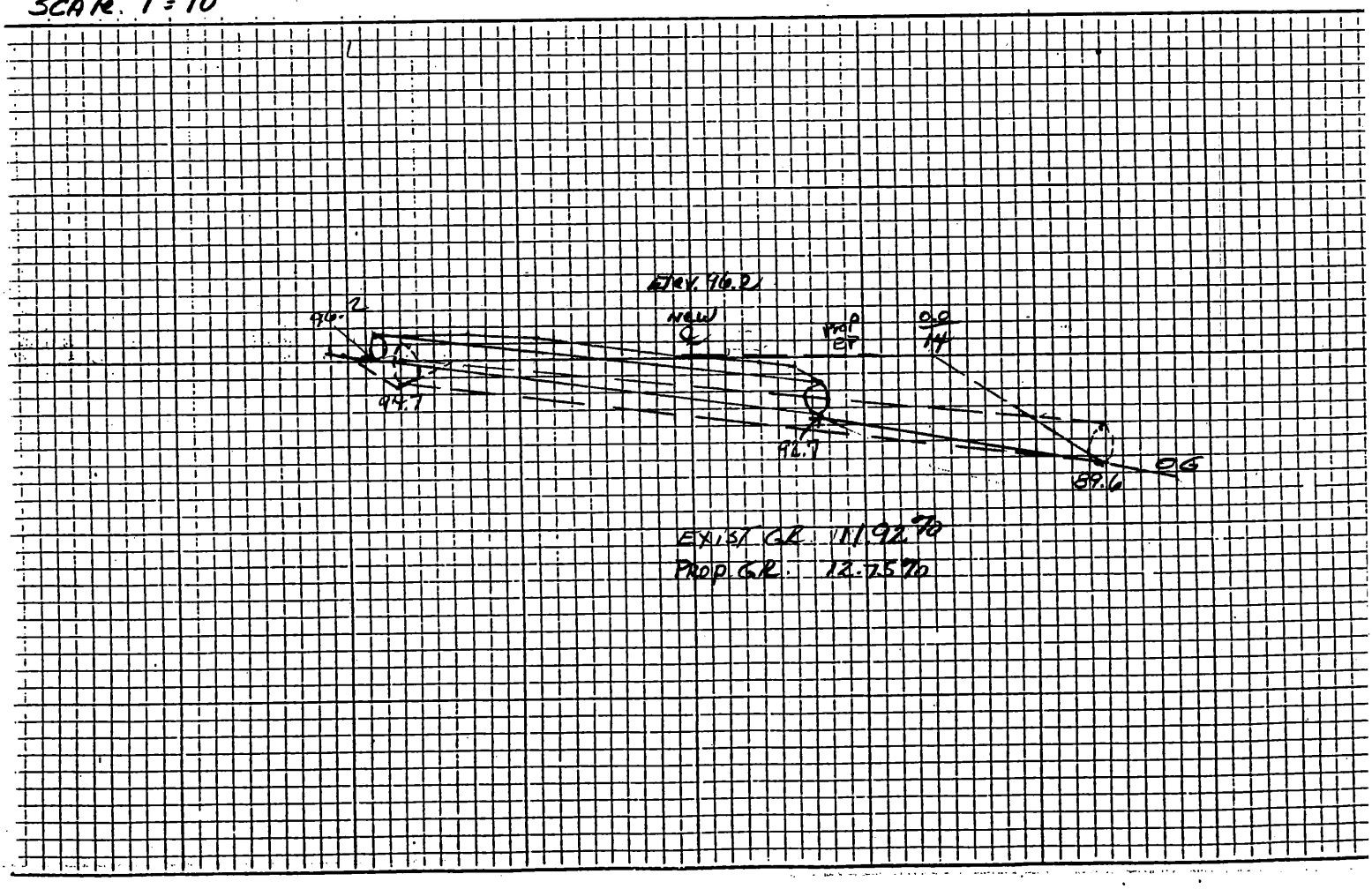


Site #2
Sta. 8+25
Exist. 26'x24" CMP
Prop. 40'x30" CMP
BM Elev. = 100.00
Sub 31' LFT Sta 8+25
Inlet: Remove 2'
Outlet: Extend 16.5±
Skew: 90°

Haywood Co.
Wesley Creek
SR 1336-A

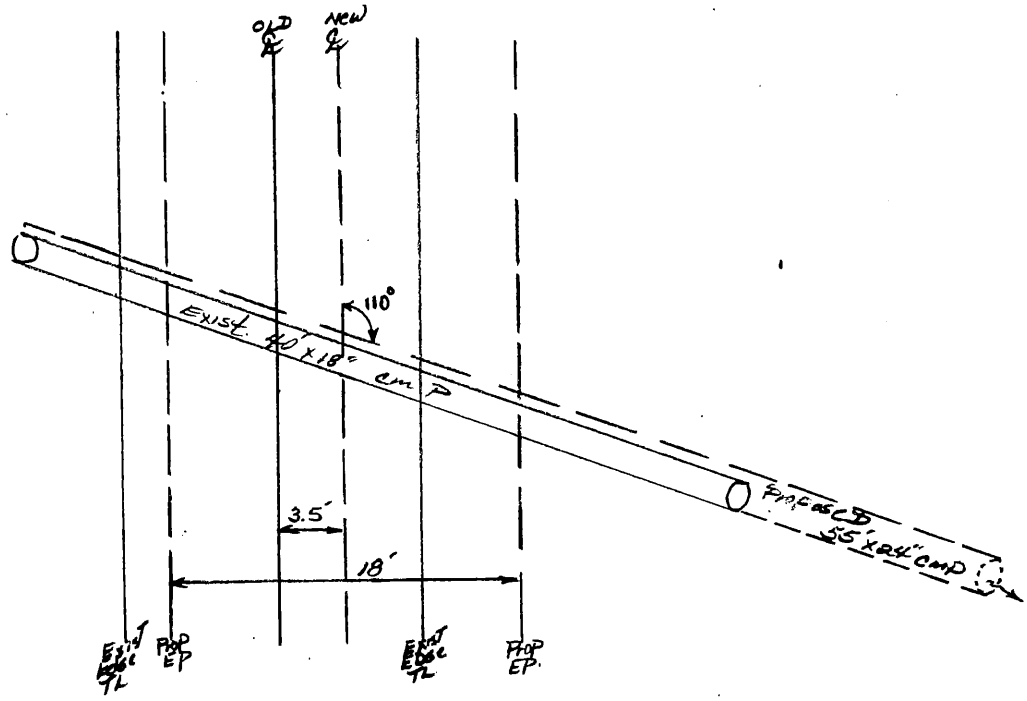


SCALE: 1" = 10'

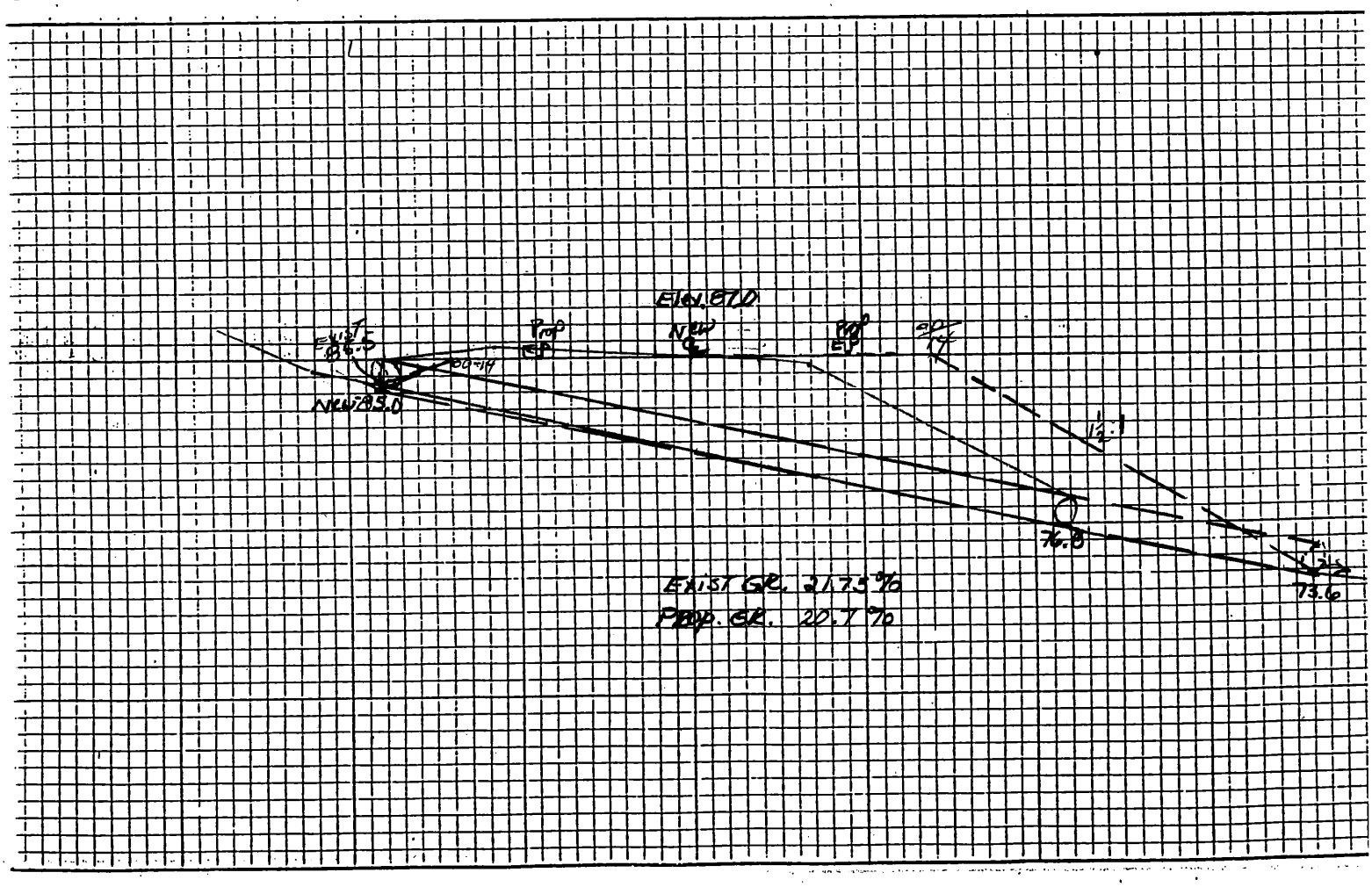


Haywood Co.
Wesley Creek
SR 1836-A

Site #3
Sta. 14+10
Exist. 40' x 18" CMP
Prop. 55' x 24" CMP
BM Elev. = 100.00
Nail in base 12" Buckeye
0 LFT. 14+45
Extend inlet: 0
Extend outlet: 14'
Skew: 110°

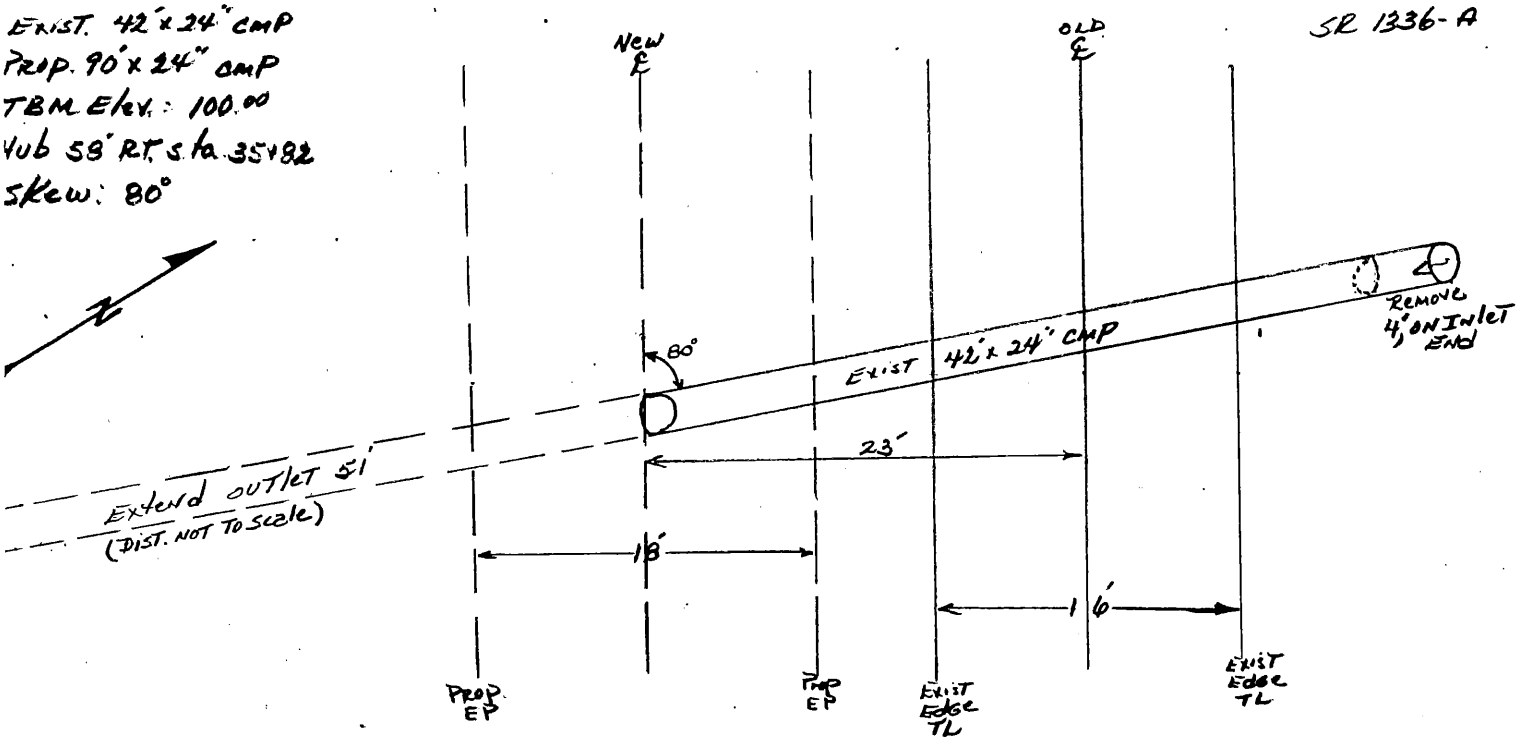


Scale: 1" = 10'

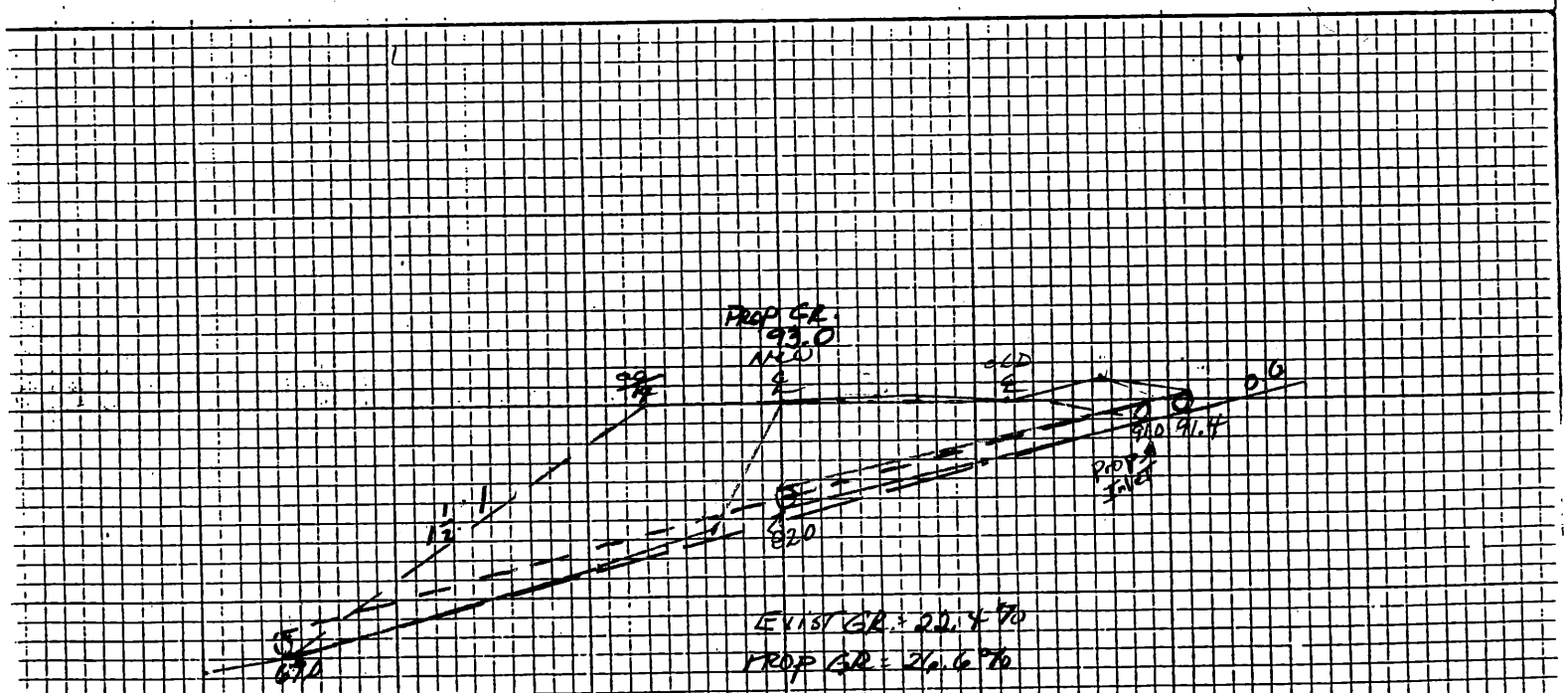


site #4
sta. 36+06
EXIST. 42" x 24" CMP
PROP. 90" x 24" CMP
TBM Elev.: 100.00
Hub 58' RT. sta. 35+82
Skew: 80°

Haywood @
wesley Creek
SR 1336-A



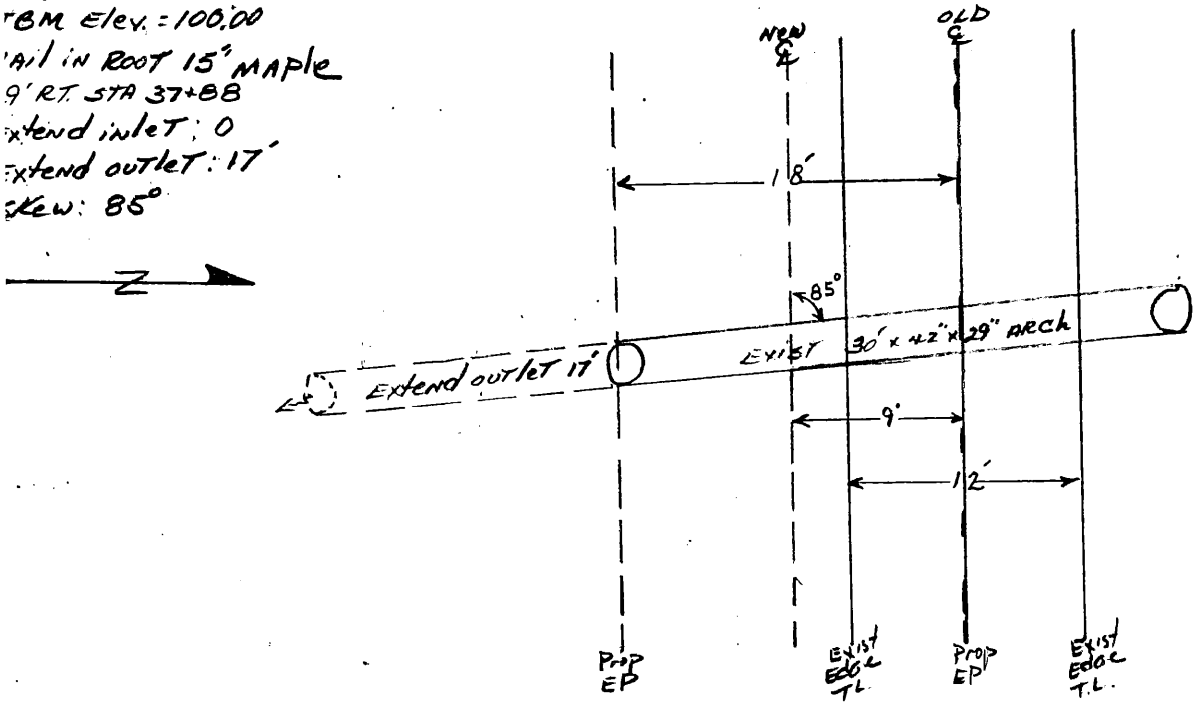
SCALE: 1" = 10'



SCALE: 1" = 20'

Site #5
Sta. 38+28
EXIST. 30'x(42"x29") ARCH
PROP. 47'x(42"x29") ARCH
TBM Elev. = 100.00
Nail in ROOT 15" MAPLE
9' RT. STA 37+88
Extend inlet: 0
Extend outlet: 17'
Skew: 85°

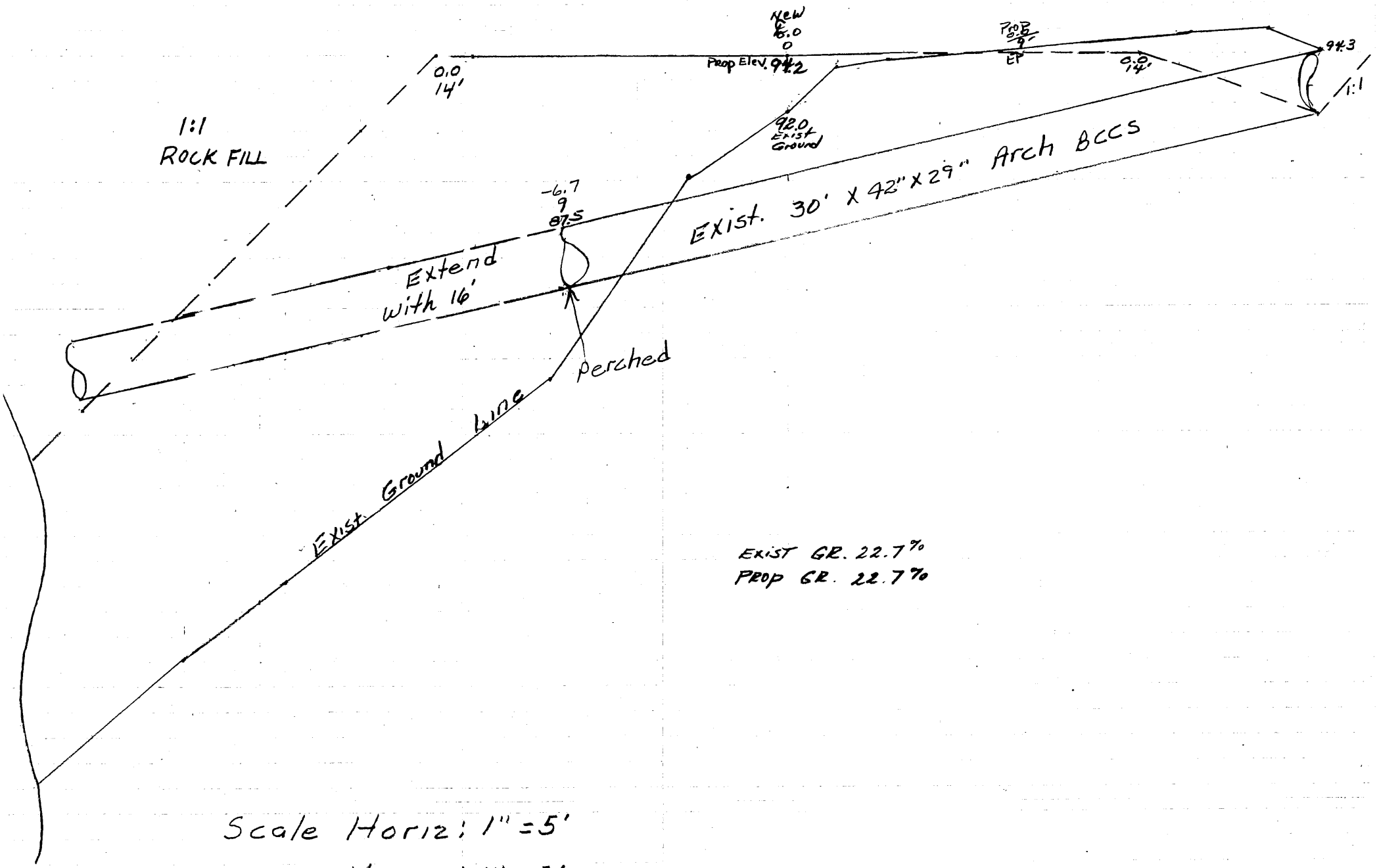
Haywood Co.
Wesley Creek
S.R. 1336-A



SCALE: 1" = 10'

Sta. 38+28 SITE #5

SR 1336 A HAYWOOD

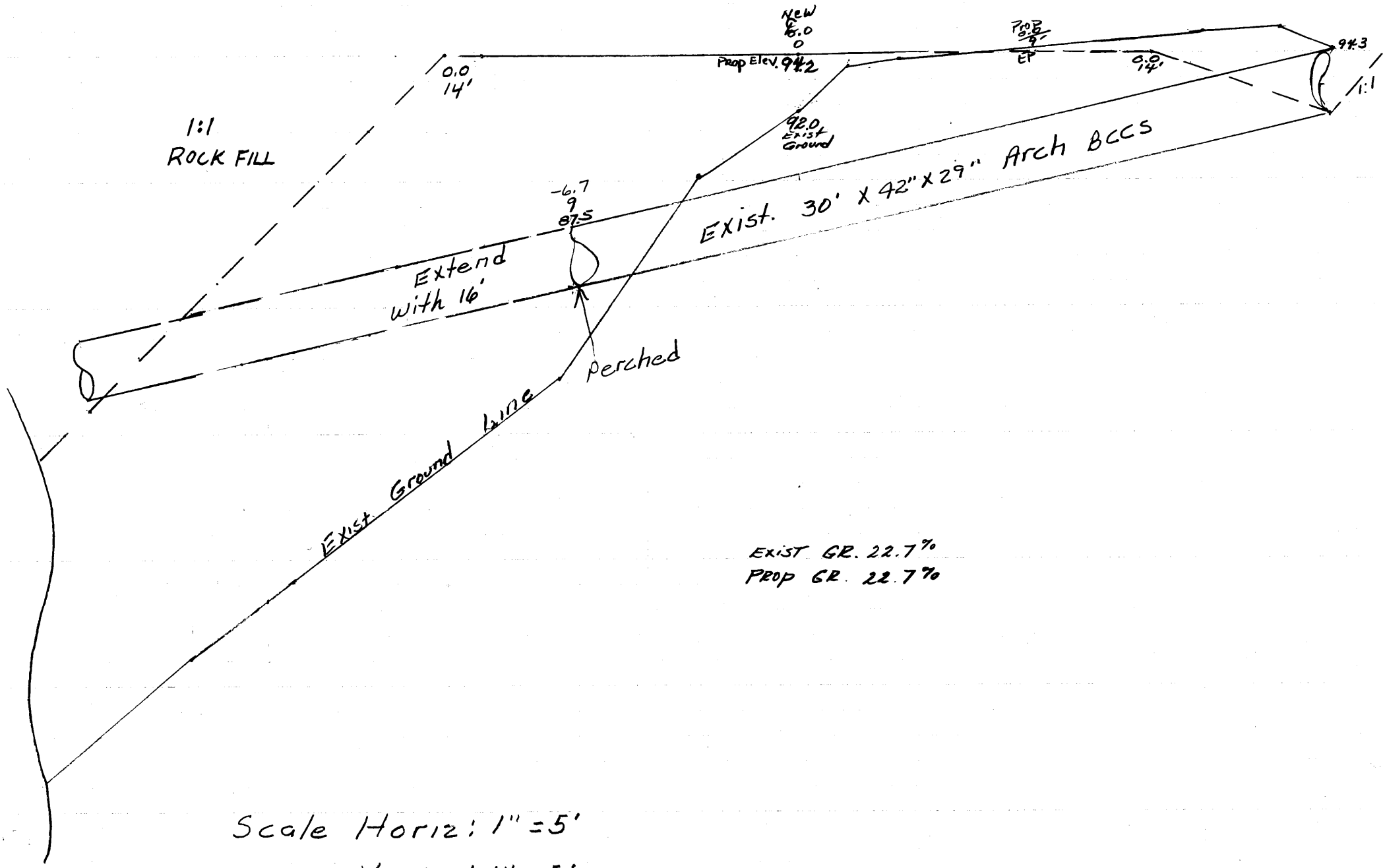


EXIST GR. 22.7%
PROP GR. 22.7%

Scale Horiz: 1" = 5'
Vert. : 1" = 5'

Sta. 38+28 SITE #5

SR 1336 A HAYWOOD



Scale Horiz: 1" = 5'

Vert. : 1" = 5'

EROSION CONTROL PLANS
HAYWOOD COUNTY

SR NUMBER: 1336

WO#: 14C.044076

FROM 0+00 TO 54+50 EOP

R/W WIDTH: 50'

E.C. PLANS COMPLETE: 05/20/13

DESIGN YEAR: 2028

DESIGN ADT: 200

RIVER BASIN: PIGEON RIVER

NCG-01 Permit Compliance Language for EC Plans

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

EROSION CONTROL & PIPE INSTALLATION SCHEDULE
TROUT BUFFER ZONE SEQUENCE
GENERAL E&SC NOTES
GROUND STABILIZATION CHART

Erosion Control Schedule and Notes

1. Generally, the order of installation of the erosion control measures will be as follows:

   A. Temporary silt basins shall be installed before clearing and grubbing begins.

   B. Silt fences and temporary silt ditches shall be installed after clearing and before grading.

   C. Temporary stone ditch checks with PAM or wattles with PAM shall be installed in all disturbed areas as soon as the disturbance begins.

   D. Final stone ditch checks or wattles shall be installed as soon as ditch line is established.

   E. Pipe outlet and inlet protection will be done as soon as the pipe is installed.

   F. Other permanent erosion control measures are to be implemented as soon as practical.

2. Temporary rock silt checks, type B will be spaced by percent grade as shown in the erosion control plan.

3. No. 5 stone, or equivalent, will be used in conjunction with the temporary rock silt checks in locations where water is leaving the project or entering a pipe.

4. All devices are to be cleaned out when half full.

5. Establish permanent vegetation per ground stabilization chart.

Notes:

For silt basin size see the attached erosion control plans.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

Wet Pipe Installation Schedule and Notes

1. Prior to installing any E&SC measures identify permit conditions and impact area limits.

2. Install erosion control devices.

3. Manage the water course. The pipe must be placed in the dry. Install dewatering measures.

4. Remove material and existing pipe while limiting, material and sediment from entering stream and escaping the project.

5. Excavation of stream channel shall not exceed 10' on either side of new pipe or culvert unless indicated on permit.

6. Per permit conditions for Corps of Engineers and the Wildlife Resources Commission, all pipes in streams 48"or greater must be buried 12" below streambed elevation. Pipes less than 48"must be buried with 20% of the diameter below streambed elevation.

7. Place the new pipe and compact backfill.

8. Install slope protection on the outlet and inlet ends of the pipe. Also complete installation of erosion control measures and perform maintenance as needed on existing measures.

9. Establish permanent vegetation per ground stabilization chart.

10. More information on wet pipe installation can be found in the BMP manual section 4.2 "Pipe & Culvert installation"

General Erosion Control Sequence & Notes for NC DOT Projects in Trout Buffer Zones

1. Prior to installing any E&SC measures identify permit conditions and impact area limits. Review trout buffer variance approval conditions for any special provisions.

2. All materials should be on the hand before work is commenced.

3. Install EC devices

4. Work within the buffer zone should be sequenced to minimize the length of time that disturbed areas are exposed. Stream bank stabilization, which includes the area from the edge of water to the top of bank, should be phased so that each day's work is a completed work, including provision of adequate ground cover.

5. Graded slopes and fills within the trout buffer zone will within 7 calendar days of completion of any phase of grading be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion.

6. Graded slopes and fills within the trout buffer zone (excluding road shoulders) shall be protected with rolled erosion control product, bonded fiber matrix, or flexible growth medium after seeding.

Notes:

Silt fence backed by woven wire, with a post spacing of 6 feet, shall be used instead of standard silt fence in trout buffer zone. Special sediment control fence shall be used in areas where bedrock is encountered which prohibits the proper anchoring of fabric, and in low points of the silt fence in 3-foot sections to allow for concentrated flows.

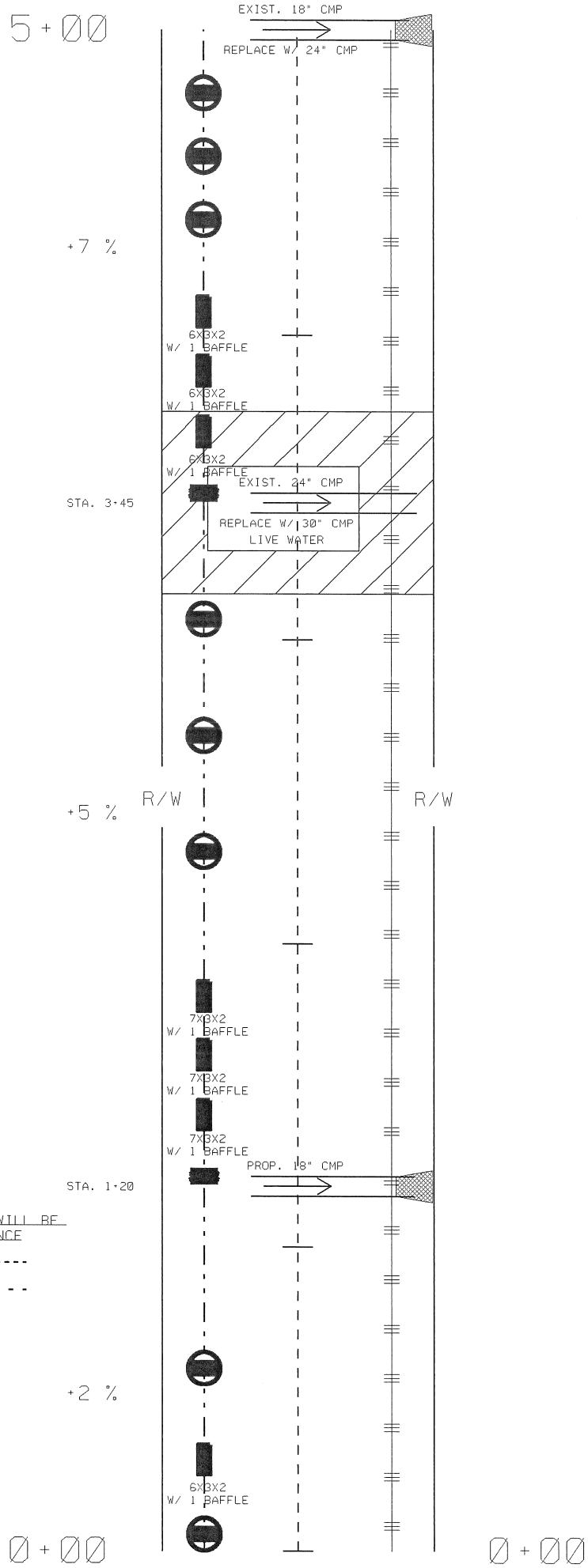
The disturbed areas within the stream buffer shall be restored to native vegetation characteristic of an undisturbed buffer to the extent practical upon completion of construction.

Flyrock protection such as blast mats should be provided for blasting in close proximity to streams.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

GROUND STABILIZATION CHART

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10 ft. or less in length and are not steeper than 2:1, 14 days are allowed
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in lenght
All other areas flatter than 4:1	14 days	None (except for perimeters and HQW zones)



LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE

STONE LINER

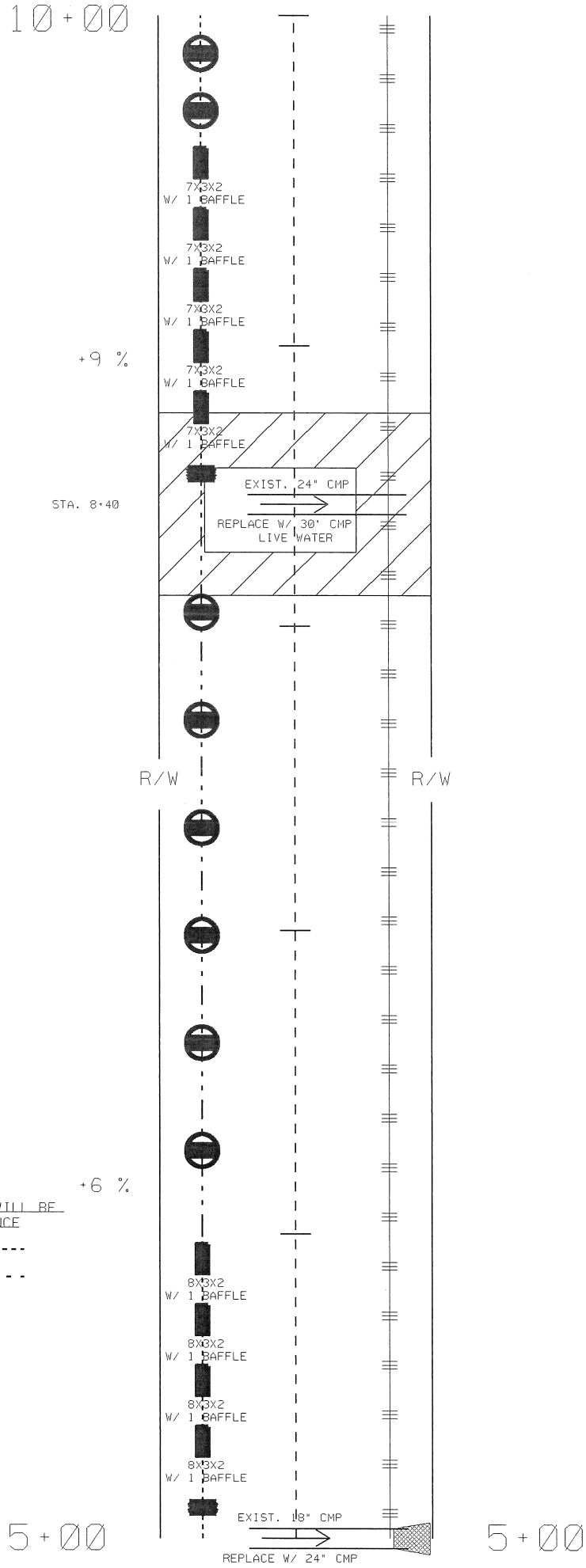
TEMPORARY LINER

SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD



LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE

STONE LINER

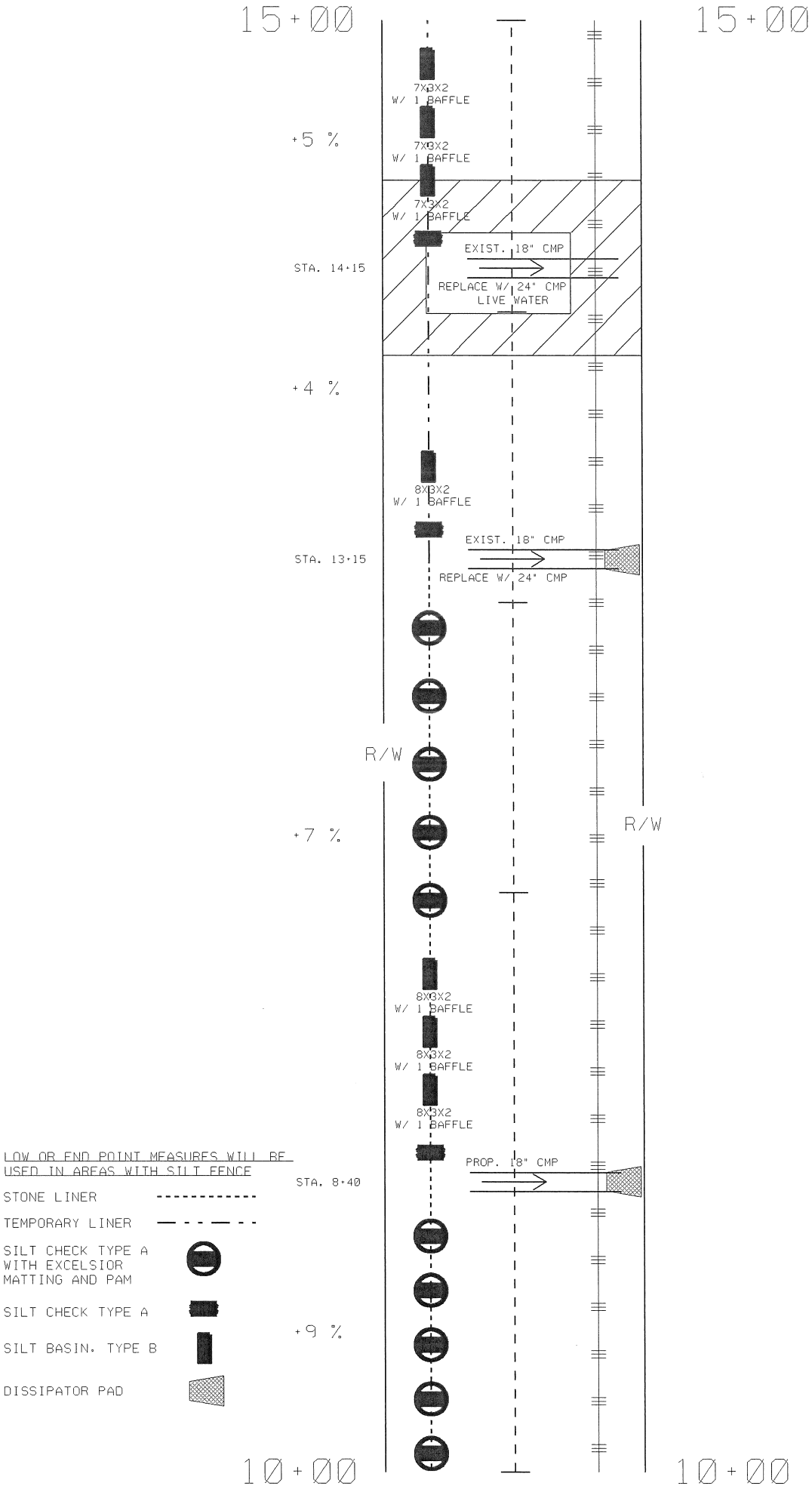
TEMPORARY LINER

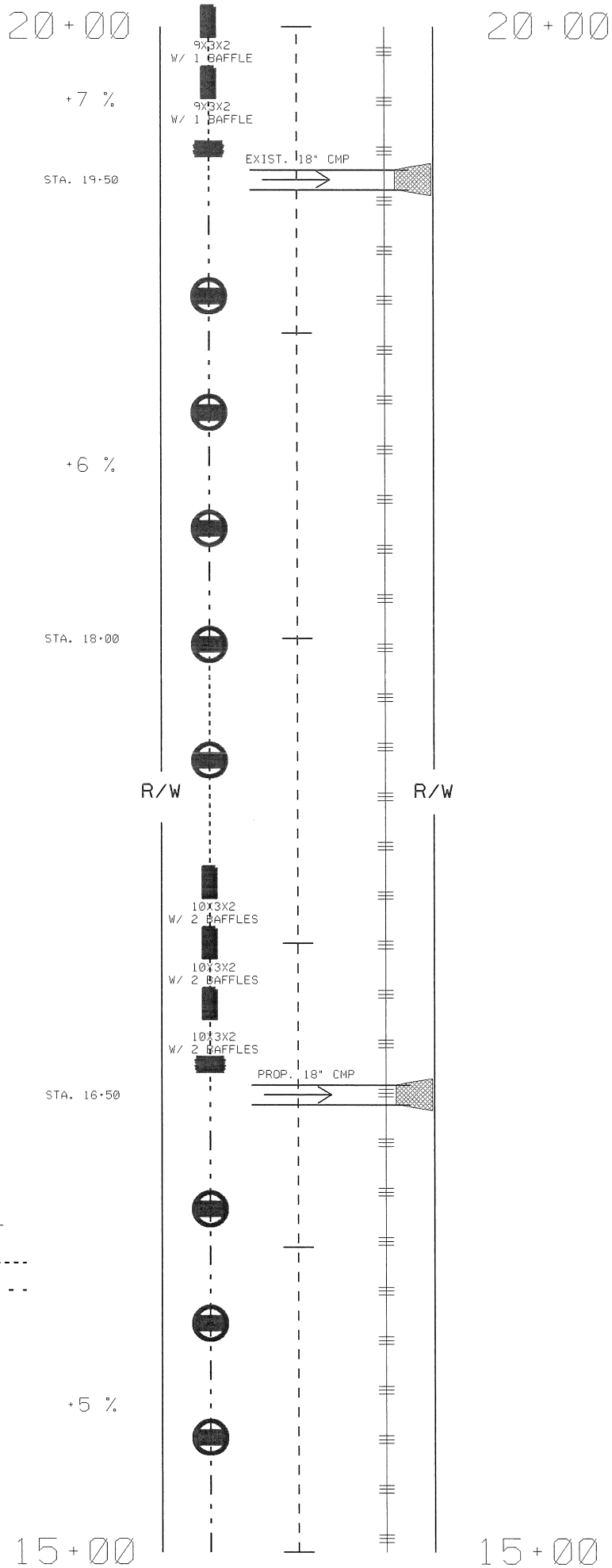
SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD


15+00
15+00
7X3X2
W/ 1 BAFFLE
+5 %
7X3X2
W/ 1 BAFFLE
7X3X2
W/ 1 BAFFLE
EXIST. 18" CMP
STA. 14+15
REPLACE W/ 24" CMP
LIVE WATER
+4 %
8X3X2
W/ 1 BAFFLE
EXIST. 18" CMP
STA. 13+15
REPLACE W/ 24" CMP
R/W
R/W
+7 %
8X3X2
W/ 1 BAFFLE
8X3X2
W/ 1 BAFFLE
8X3X2
W/ 1 BAFFLE
PROP. 18" CMP
STA. 8+40
+9 %
LOW OR END POINT MEASURES WILL BE
USED IN AREAS WITH SILT FENCE
STONE LINER
TEMPORARY LINER
SILT CHECK TYPE A
WITH EXCELSIOR
MATTING AND PAM
SILT CHECK TYPE A
SILT BASIN. TYPE B
DISSIPATOR PAD
10+00
10+00



OW OR END POINT MEASURES WILL BE
USED IN AREAS WITH SILT FENCE

STONE LINER

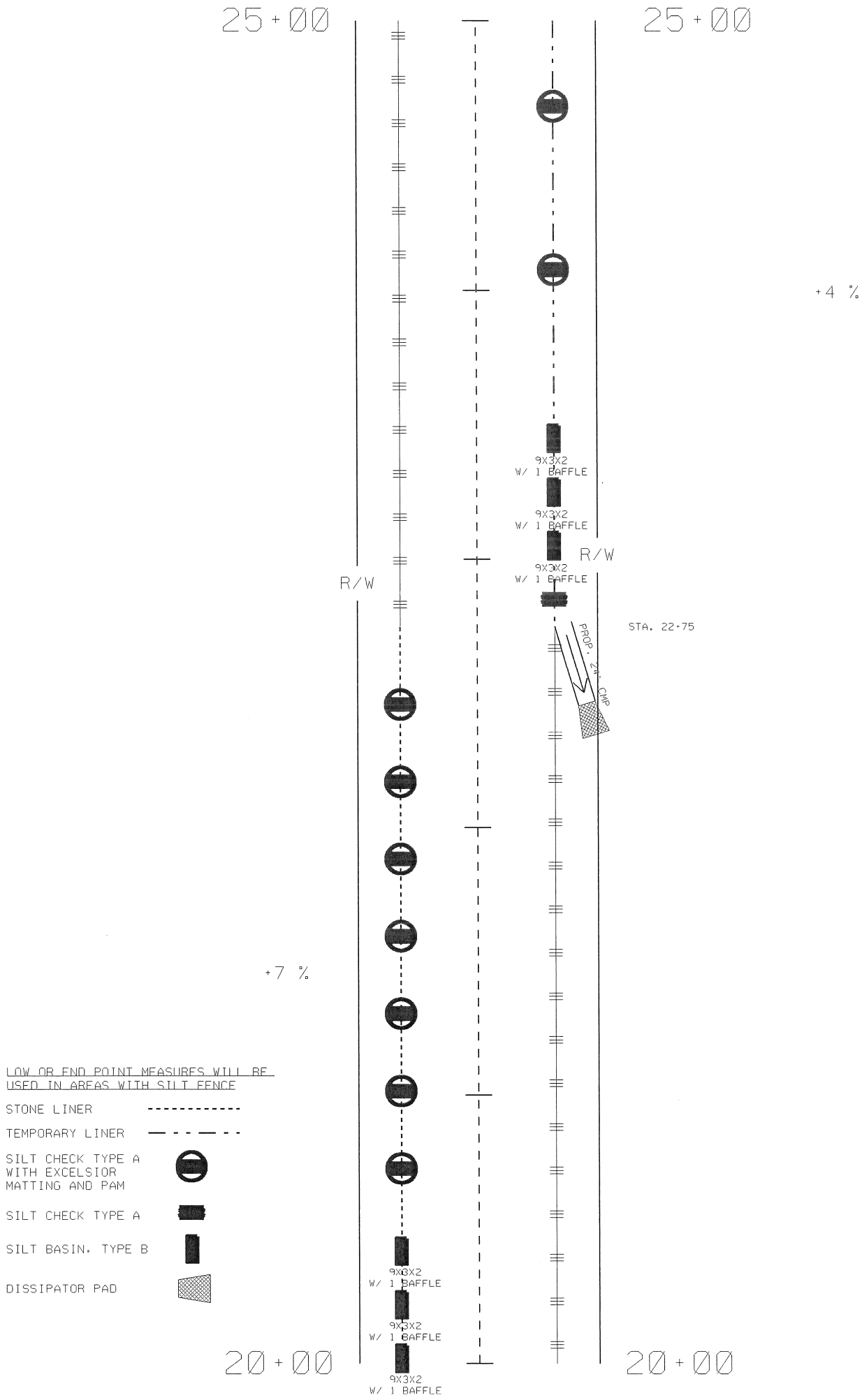
TEMPORARY LINER

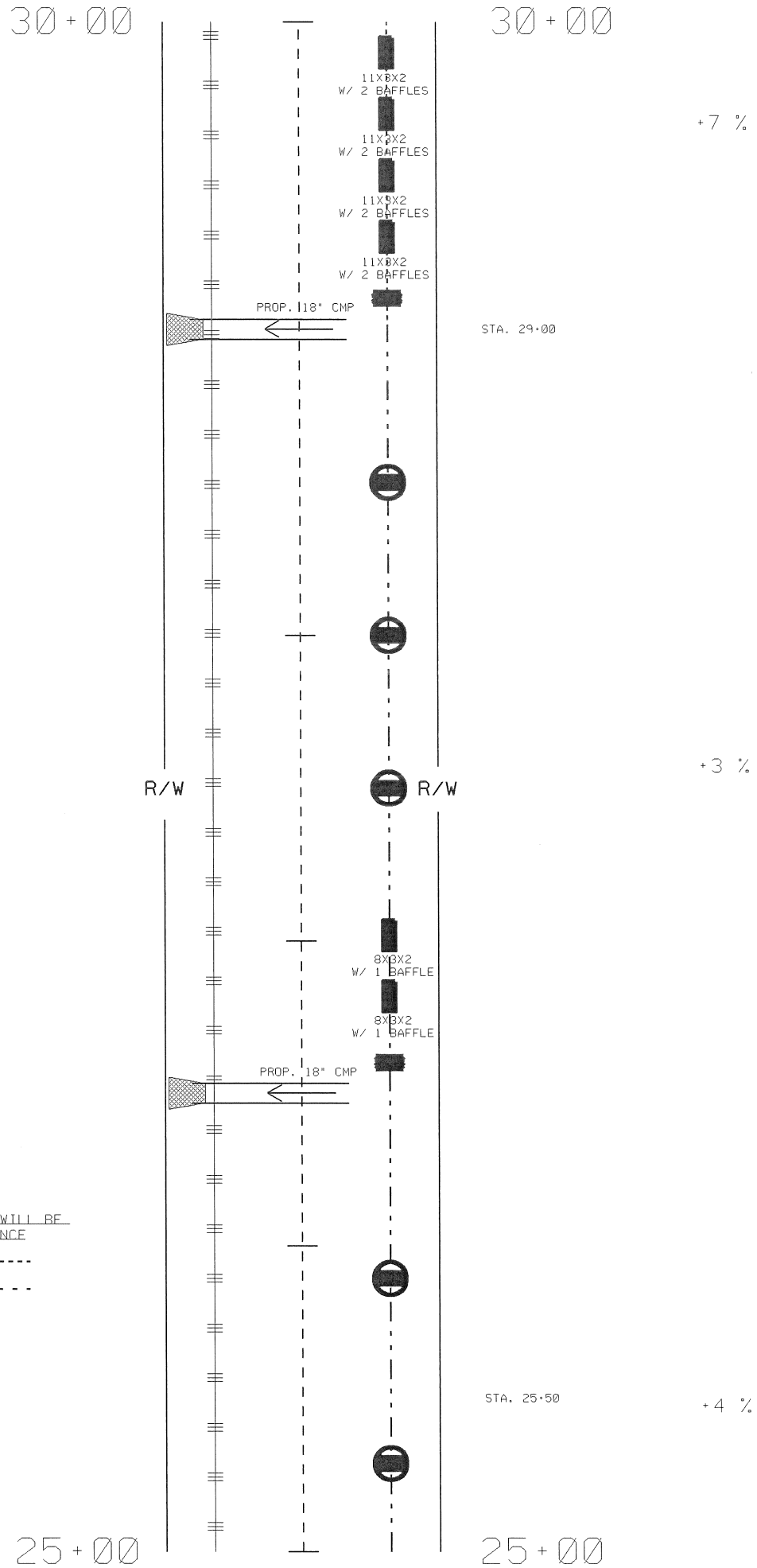
SILT CHECK TYPE A
WITH EXCELSIOR
MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD


25+00
25+00
+4 %
9X3X2
W/ 1 BAFFLE
9X3X2
W/ 1 BAFFLE
R/W
9X3X2
W/ 1 BAFFLE
R/W
STA. 22+75
PROP. 24" CMP
+7 %
LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE
STONE LINER
TEMPORARY LINER
SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM
SILT CHECK TYPE A
SILT BASIN, TYPE B
DISSIPATOR PAD
9X3X2
W/ 1 BAFFLE
9X3X2
W/ 1 BAFFLE
20+00
20+00
9X3X2
W/ 1 BAFFLE



LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE

STONE LINER

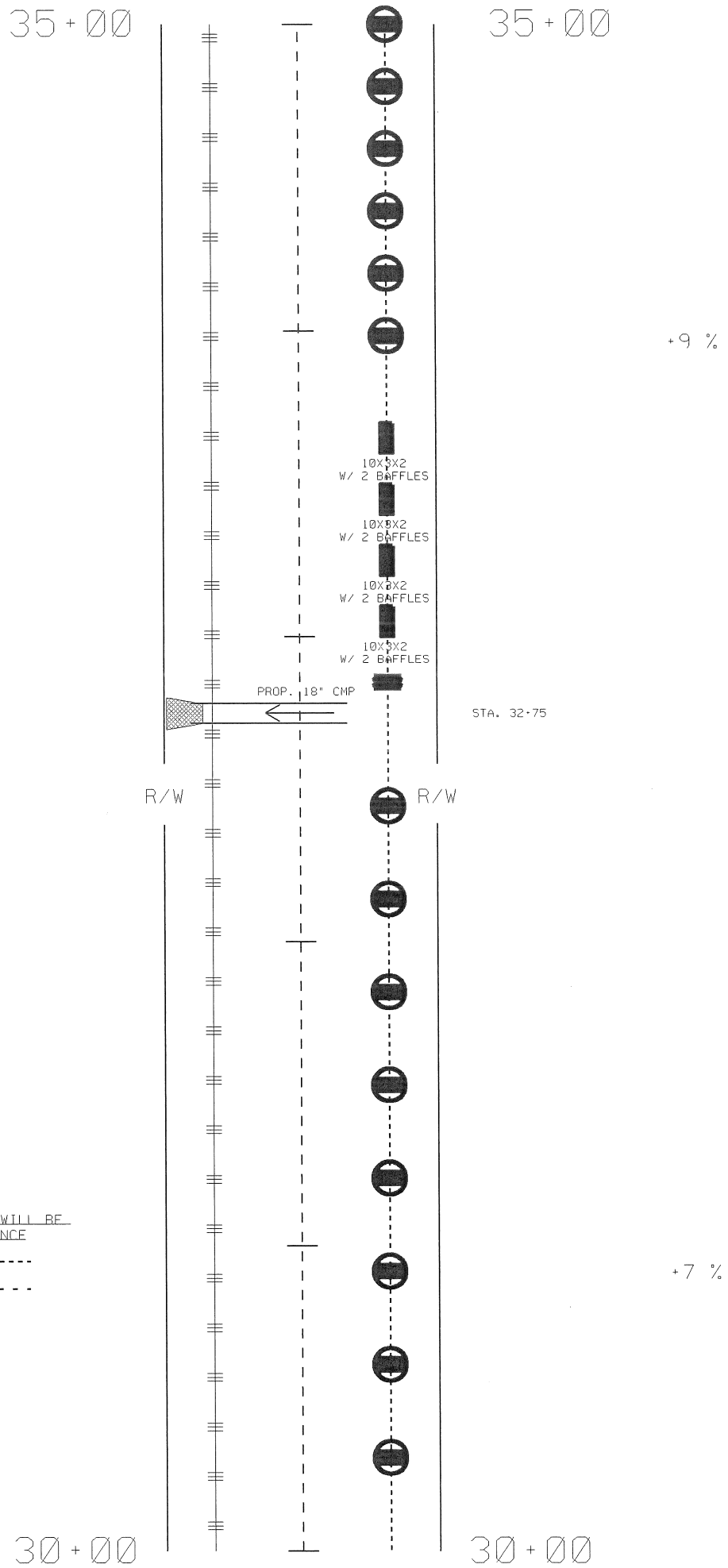
TEMPORARY LINER

SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD



LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE

STONE LINER

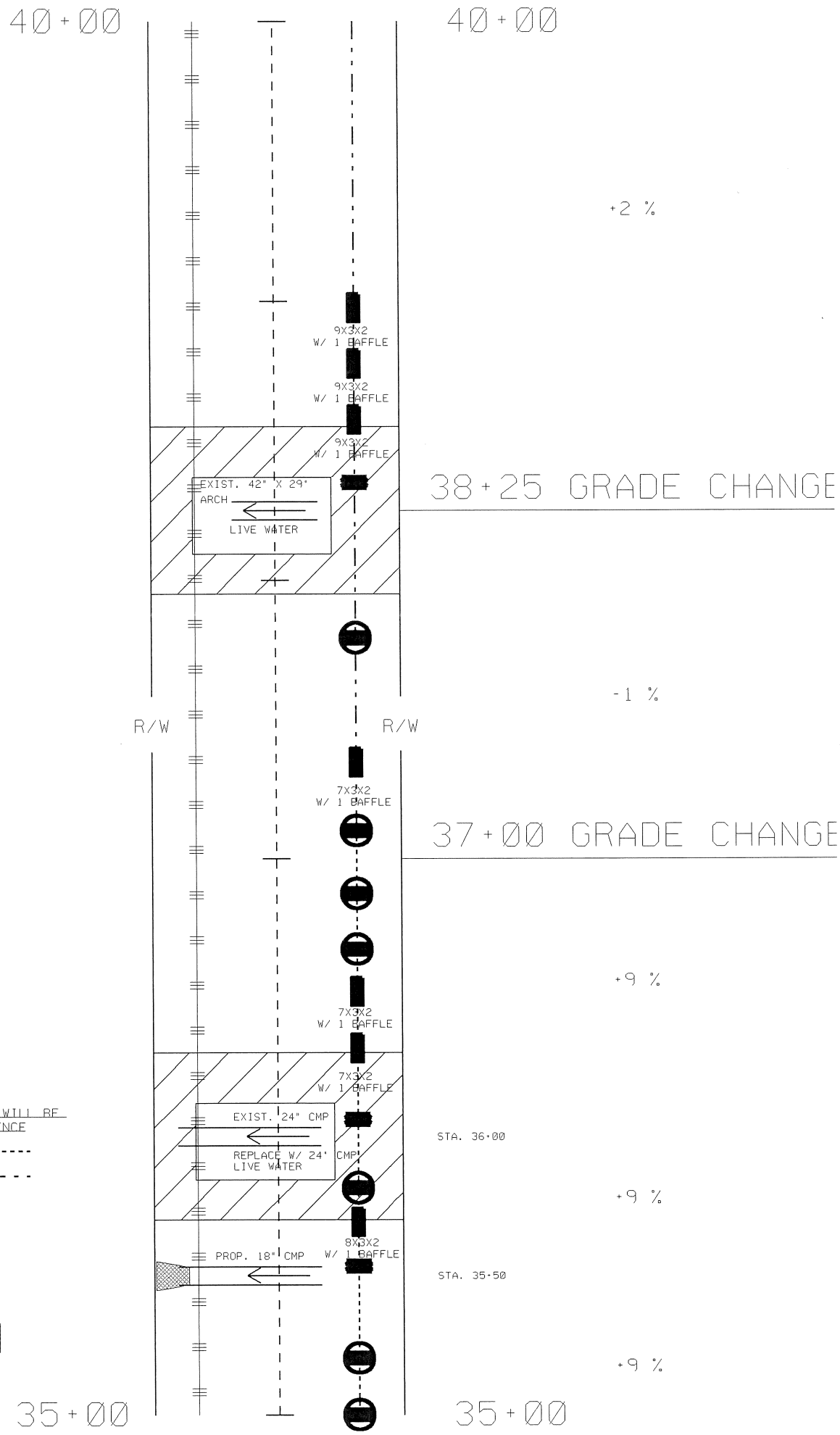
TEMPORARY LINER

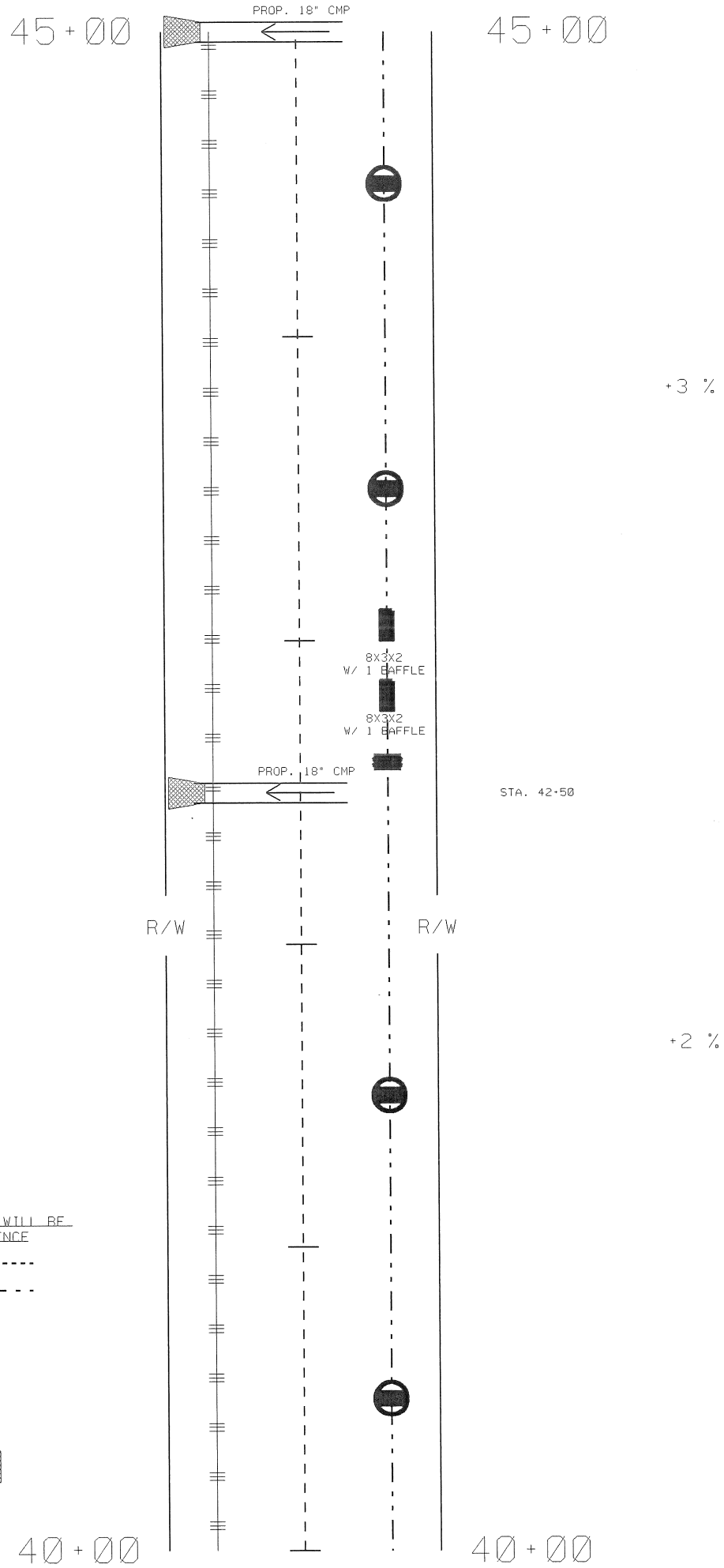
SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD


40+00
40+00
+2 %
9X3X2
W/ 1 BAFFLE
9X3X2
W/ 1 BAFFLE
9X3X2
W/ 1 BAFFLE
EXIST. 42" X 29'
ARCH
LIVE WATER
38+25 GRADE CHANGE
-1 %
R/W
R/W
7X3X2
W/ 1 BAFFLE
37+00 GRADE CHANGE
+9 %
7X3X2
W/ 1 BAFFLE
7X3X2
W/ 1 BAFFLE
EXIST. 24" CMP
REPLACE W/ 24" CMP
LIVE WATER
STA. 36+00
+9 %
8X3X2
W/ 1 BAFFLE
PROP. 18" CMP
STA. 35+50
+9 %
35+00
35+00
LOW OR END POINT MEASURES WILL BE
USED IN AREAS WITH SILT FENCE
STONE LINER
TEMPORARY LINER
SILT CHECK TYPE A
WITH EXCELSIOR
MATTING AND PAM
SILT CHECK TYPE A
SILT BASIN, TYPE B
DISSIPATOR PAD



LOW OR END POINT MEASURES WILL BE USED IN AREAS WITH SILT FENCE

STONE LINER

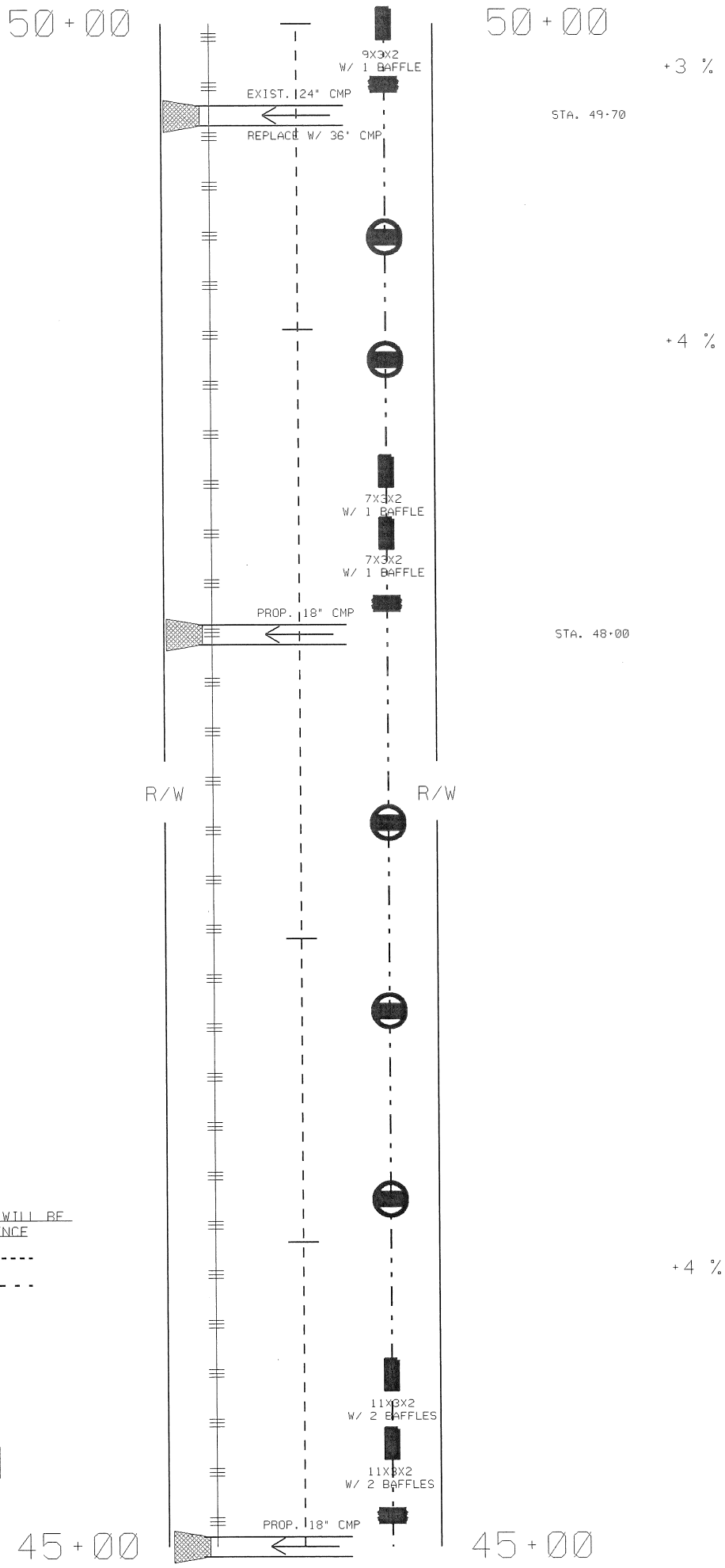
TEMPORARY LINER

SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD



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STONE LINER

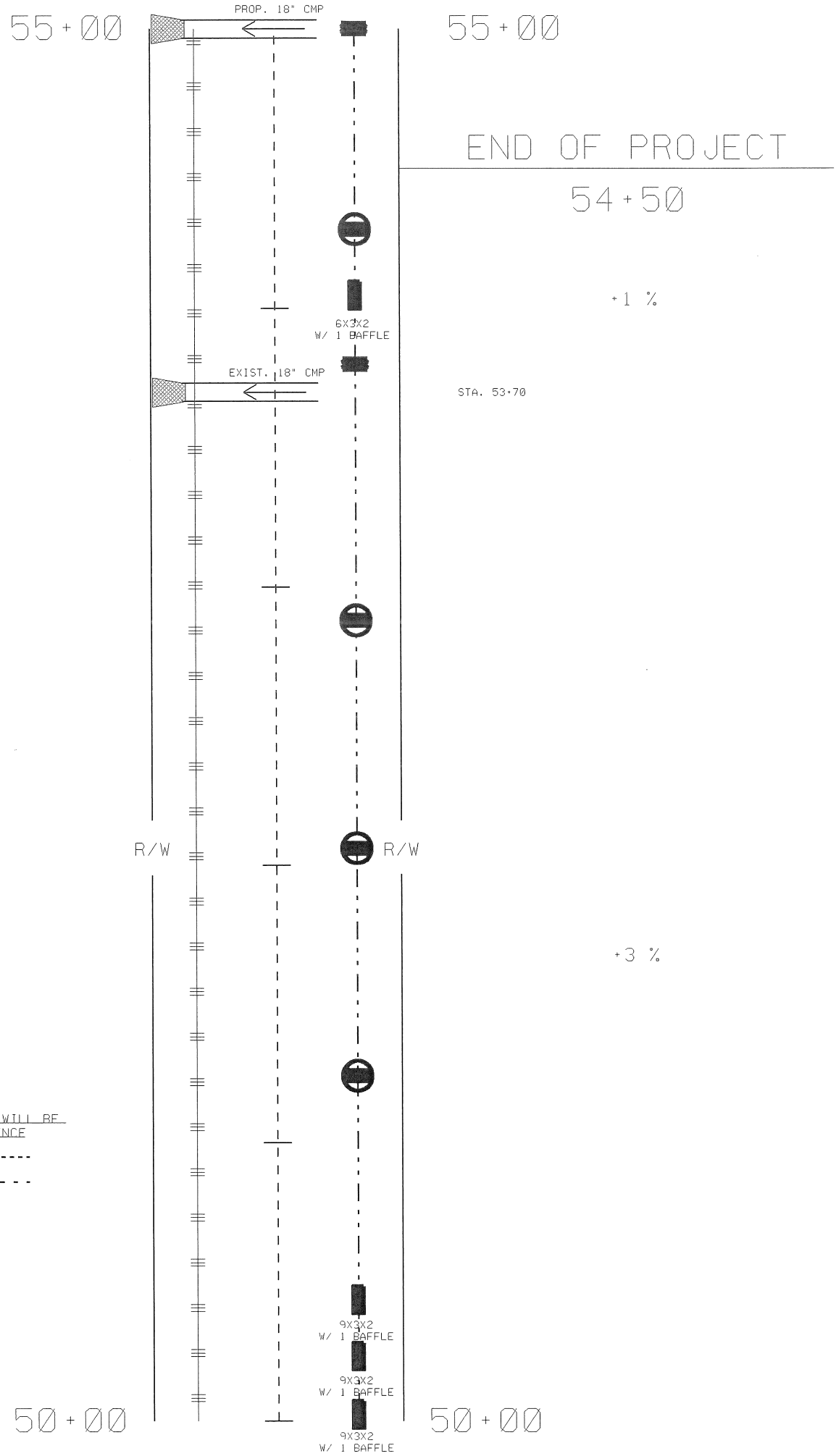
TEMPORARY LINER

SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN. TYPE B

DISSIPATOR PAD



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STONE LINER

TEMPORARY LINER

SILT CHECK TYPE A WITH EXCELSIOR MATTING AND PAM

SILT CHECK TYPE A

SILT BASIN, TYPE B

DISSIPATOR PAD