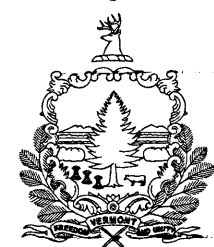


STATE OF VERMONT
AGENCY OF TRANSPORTATION

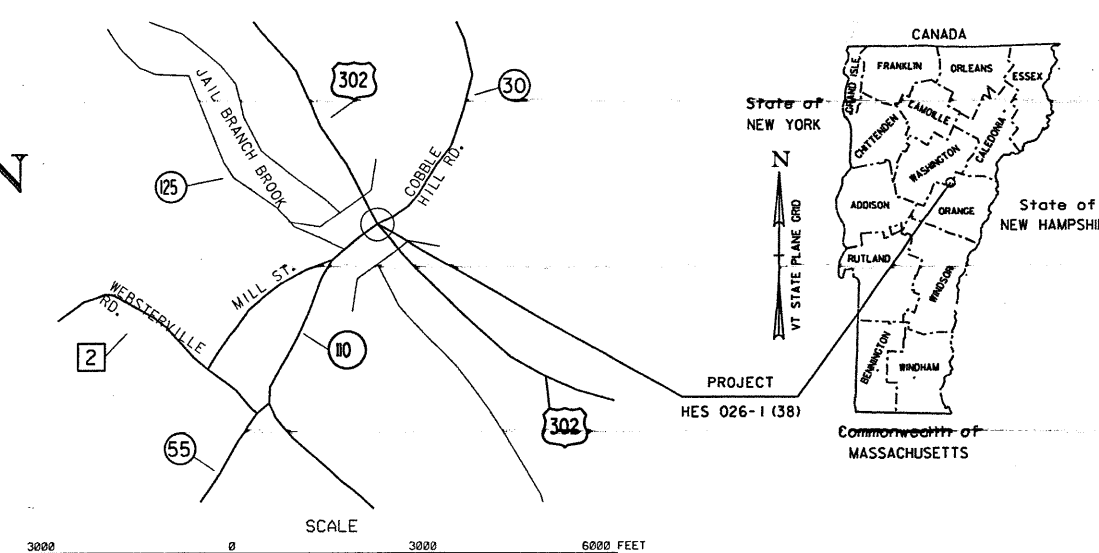


BARRE TOWN
COUNTY OF WASHINGTON
CONSTRUCTION OF A ROUNDABOUT

AT THE INTERSECTION OF U.S. ROUTE 302 (MINOR ARTERIAL),
VT 110 (MAJOR COLLECTOR) AND COBBLE HILL ROAD (LOCAL ROAD)

LOCATED AT THE INTERSECTION OF ROUTE 302, AT V110 AND COBBLE HILL ROAD.
EXTENDING APPROXIMATELY 291 FEET WESTERLY AND 309 FEET SOUTHEASTLY ALONG ROUTE 302
AND EXTENDING APPROXIMATELY 169 FEET SOUTHERLY ALONG V110
AND EXTENDING APPROXIMATELY 251 FEET SOUTHERLY ALONG COBBLE HILL ROAD.
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A ROUNDABOUT, MINOR REALIGNMENT OF THE APPROACHES,
THE CONSTRUCTION OF NEW SIDEWALKS, NEW DRAINAGE, NEW LANDSCAPING AND NEW STREET LIGHTS,
EXISTING PARKING AREAS, AND LIGHTING ON ROUTE 302, AND THE CONSTRUCTION OF 1,500 FEET WESTERN OF SAID INTERSECTION,
AND RELOCATION OF THE EXISTING PARKING AREAS, AND LIGHTING ON ROUTE 302, AND THE CONSTRUCTION OF 1,500 FEET WESTERN OF SAID INTERSECTION.

LENGTH OF US ROUTE 302: 325.00 FT. ± 0.062 MILES
LENGTH OF V110: 186.51 FT. ± 0.032 MILES
LENGTH OF COBBLE HILL ROAD: 93.99 FT. ± 0.018 MILES
TOTAL PROJECT LENGTH: 587.50 ± 0.111 MILES



US ROUTE 302 TRAFFIC DATA

2007 ADT	=	7,150
2007 DHV	=	930
2027 ADT	=	9,725
2027 DHV	=	1,270
D	=	44%
T	=	6%
V	=	25 MPH
2007-2027 ESAL	=	3,674,000
2007-2047 ESAL	=	9,826,000

VT 110 TRAFFIC DATA

2007 ADT	=	5,400
2007 DHV	=	815
2027 ADT	=	7,400
2027 DHV	=	1,120
D	=	58%
T	=	12%
V	=	25 MPH

2007-2027 ESAL = 1,993,000
2007-2047 ESAL = 5,344,000

BITUMINOUS CONCRETE PAVEMENT SUPER PAVE MIXTURE DESIGN CRITERIA	
DESIGN LIFE ESAL (DESIGN LANE)	3,674,000
DESIGN NUMBER OF GRAYATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG58-34

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED: *[Signature]* DATE 1-31-02

PROJECT NAME : BARRE TOWN

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS:	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
QUAD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
ROAD, TRADING LINE	
CROSSING POINTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : R. GILMAN/P. WINTERS/D. BREEF

DATUM	
VERTICAL	<u>NAVD 88</u>
HORIZONTAL	<u>NAD 83 (1996)</u>

0 100 200
SCALE IN FEET

-US ROUTE 302, VT 110, AND TH 30

2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIS PG58-34)

2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIS PG58-34)

4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT IN ONE LIFT (TYPE IS PG58-34)

24" SUBBASE OF DENSE GRADED CRUSHED STONE

18" SAND BORROW

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.025 GAL/SY
BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

-PARKING TURNOUT

2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIS PG58-34)

2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IS PG58-34)

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.025 GAL/SY
BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.



1. THE LOCATION, DEPTH, SIZE AND MATERIAL OF THE EXISTING UNDERGROUND STORM DRAIN, SEWER, AND WATER SYSTEM PIPING ARE BASED ON TOPOGRAPHICAL SURVEY OF AT-GRADE FEATURES SUCH AS DROP INLETS AND THE BEST AVAILABLE INFORMATION OF RECORD. THE LOCATION, DEPTH, SIZE AND MATERIAL OF THESE UNDERGROUND PIPES ARE NOT GUARANTEED TO BE EXACT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING PIPES WHERE NEW CONNECTIONS ARE PROPOSED. NO ADDITIONAL PAYMENT FOR PIPE AND TRENCH EXCAVATION OF EARTH, EXPLORATORY SHALL BE MADE WHERE THE CONTRACTOR HAS FAILED TO FIELD VERIFY THE LOCATIONS AND DEPTHS OF EXISTING PIPES.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES TO PROTECT THE NEW DRAIN SYSTEM IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND THE CGP 3-9020 (2006).
3. ALL EXISTING DRAIN PIPE TO BE ABANDONED AND NOT IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE CUT AND PLUGGED AND ABANDONED IN-PLACE. WHERE THE EXISTING PIPE DIAMETER IS 10-INCHES OR GREATER, THE CONTRACTOR SHALL COMPLETELY FILL THE ENTIRE LENGTH OF THE EXISTING PIPE WITH CONTROLLED DENSITY FILL SO THAT ALL VOIDS WITHIN THE PIPE ARE FILLED. PAYMENT FOR FILL MATERIAL SHALL BE MADE UNDER 900.608 SPECIAL PROVISION (CONTROLLED DENSITY (FLOWABLE) FILL).
4. STATION AND OFFSET LOCATIONS OF PROPOSED DRAINAGE STRUCTURES ARE GIVEN TO THE BACK CENTER (AT THE EDGE OF THE CURB) OF THE GRATES EXCEPT FOR MANHOLES AND STRUCTURES IN DITCHES WHICH ARE GIVEN TO THE CENTER OF THE GRATE OR MANHOLE COVER.
5. CONTRACTOR SHALL MAINTAIN EXISTING FLOWS OR PROVIDE MEASURES TO BY-PASS FLOWS IN EXISTING DRAINAGE UNTIL PROPOSED DRAINAGE IMPROVEMENTS HAVE BEEN COMPLETED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT DRAINAGE ITEMS.

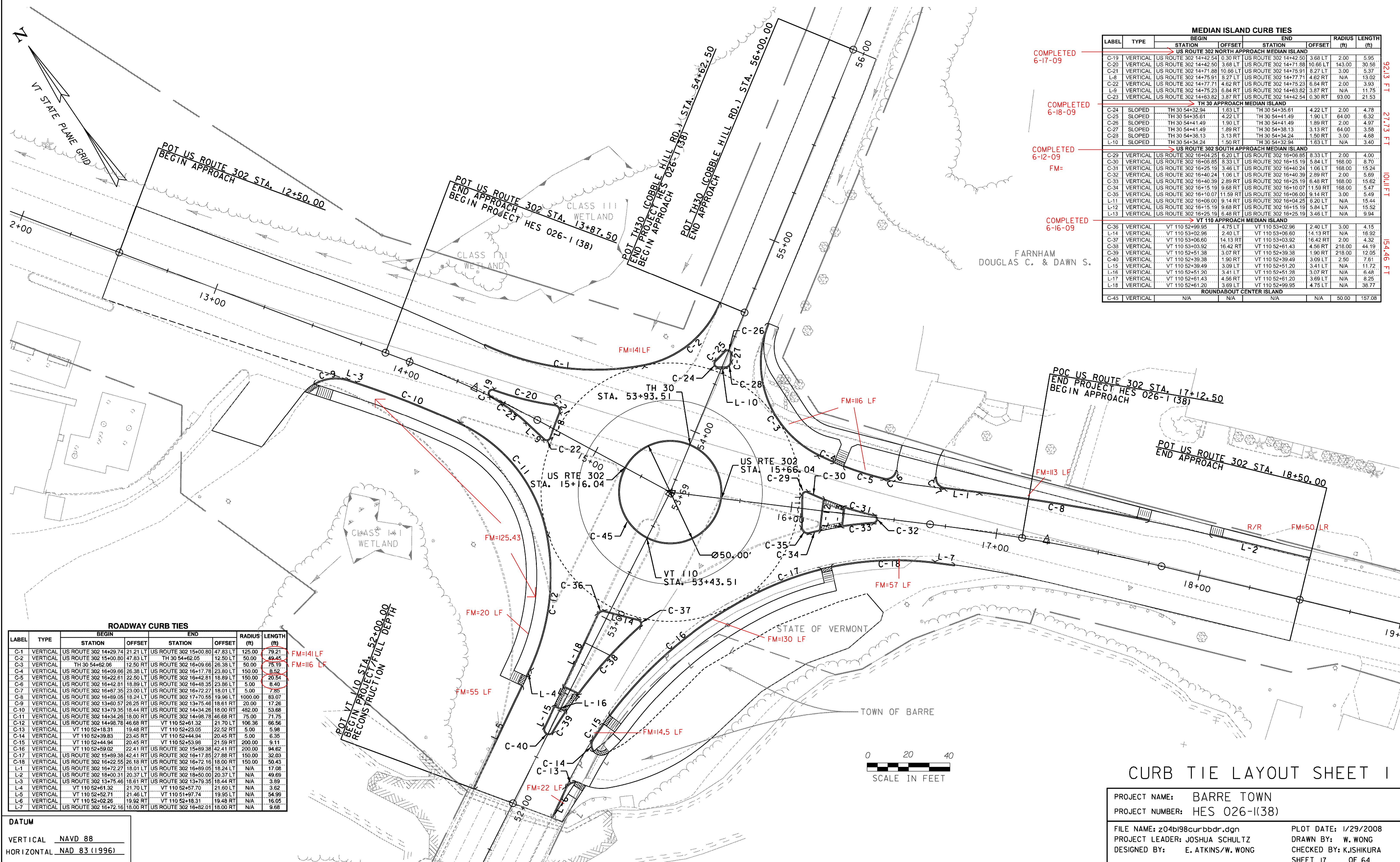
PROJECT NAME:	BARRE TOWN		
PROJECT NUMBER:	HES 026-1(38)		
FILE NAME:	z04b198+yp.dgn	PLOT DATE:	2/5/2008
PROJECT LEADER:	JOSHUA SCHULTZ	DRAWN BY:	W.WONG
DESIGNED BY:	E.ATKINS/W.WONG	CHECKED BY:	K.JSHIKURA
TYPICAL SECTIONS	2	SHEET	4 OF 64

DATUM	
VERTICAL	<u>NAVD 88</u>
HORIZONTAL	<u>NAD 83 (1996)</u>

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

ITEM DETAIL AND DRAINAGE SHEET

[illegible]



ROADWAY CURB TIES							
LABEL	TYPE	BEGIN		END		RADIUS (ft)	LENGTH (ft)
		STATION	OFFSET	STATION	OFFSET		
C-1	VERTICAL	US ROUTE 302 14+29.74	21.21 LT	US ROUTE 302 15+00.80	47.83 LT	125.00	79.21
C-2	VERTICAL	US ROUTE 302 15+00.80	47.83 LT	TH 30 54+62.05	12.50 LT	50.00	49.45
C-3	VERTICAL	TH 30 54+62.05	12.50 RT	US ROUTE 302 16+09.66	26.38 LT	50.00	75.19
C-4	VERTICAL	US ROUTE 302 16+09.66	26.38 LT	US ROUTE 302 16+17.78	23.80 LT	150.00	8.52
C-5	VERTICAL	US ROUTE 302 16+22.61	22.50 LT	US ROUTE 302 16+42.81	18.89 LT	150.00	20.54
C-6	VERTICAL	US ROUTE 302 16+42.81	18.89 LT	US ROUTE 302 16+48.35	23.86 LT	5.00	8.40
C-7	VERTICAL	US ROUTE 302 16+48.35	23.00 LT	US ROUTE 302 16+72.27	18.01 LT	5.00	7.85
C-8	VERTICAL	US ROUTE 302 16+89.05	18.24 LT	US ROUTE 302 17+70.55	19.96 LT	1000.00	83.07
C-9	VERTICAL	US ROUTE 302 13+60.57	26.25 RT	US ROUTE 302 13+75.46	18.61 RT	20.00	17.26
C-10	VERTICAL	US ROUTE 302 13+79.35	18.44 RT	US ROUTE 302 14+34.26	18.00 RT	482.00	53.68
C-11	VERTICAL	US ROUTE 302 14+34.26	18.00 RT	US ROUTE 302 14+98.78	46.68 RT	75.00	71.75
C-12	VERTICAL	US ROUTE 302 14+98.78	46.68 RT	VT 110 52+61.32	21.70 LT	106.36	66.56
C-13	VERTICAL	VT 110 52+18.31	19.48 RT	VT 110 52+23.05	22.52 RT	5.00	5.98
C-14	VERTICAL	VT 110 52+39.83	23.45 RT	VT 110 52+44.94	20.45 RT	5.00	6.35
C-15	VERTICAL	VT 110 52+44.94	20.45 RT	VT 110 52+53.98	21.59 RT	200.00	9.11
C-16	VERTICAL	VT 110 52+59.02	22.41 RT	US ROUTE 302 15+89.38	42.41 RT	200.00	94.62
C-17	VERTICAL	US ROUTE 302 15+89.38	42.41 RT	US ROUTE 302 16+17.85	27.88 RT	150.00	32.03
C-18	VERTICAL	US ROUTE 302 16+22.55	26.18 RT	US ROUTE 302 16+72.16	18.00 RT	150.00	50.43
L-1	VERTICAL	US ROUTE 302 16+72.27	18.01 LT	US ROUTE 302 16+89.05	18.24 LT	N/A	17.08
L-2	VERTICAL	US ROUTE 302 18+00.31	20.37 LT	US ROUTE 302 18+50.00	20.37 LT	N/A	49.69
L-3	VERTICAL	US ROUTE 302 13+75.46	18.61 RT	US ROUTE 302 13+79.35	18.44 RT	N/A	3.89
L-4	VERTICAL	VT 110 52+61.32	21.70 LT	VT 110 52+57.70	21.60 LT	N/A	3.62
L-5	VERTICAL	VT 110 52+52.71	21.46 LT	VT 110 51+97.74	19.95 LT	N/A	54.99
L-6	VERTICAL	VT 110 52+02.26	19.92 RT	VT 110 52+18.31	19.48 RT	N/A	16.05
L-7	VERTICAL	US ROUTE 302 16+72.16	18.00 RT	US ROUTE 302 16+82.01	18.00 RT	N/A	9.68

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (1996)

MEDIAN ISLAND CURB TIES							
LABEL	TYPE	BEGIN		END		RADIUS (ft)	LENGTH (ft)
		STATION	OFFSET	STATION	OFFSET		
US ROUTE 302 NORTH APPROACH MEDIAN ISLAND							
C-19	VERTICAL	US ROUTE 302 14+42.54	0.30 RT	US ROUTE 302 14+42.50	3.68 LT	2.00	5.95
C-20	VERTICAL	US ROUTE 302 14+42.50	3.68 LT	US ROUTE 302 14+71.89	10.66 LT	143.00	30.98
C-21	VERTICAL	US ROUTE 302 14+71.89	10.66 LT	US ROUTE 302 14+75.91	8.27 LT	3.00	5.37
L-8	VERTICAL	US ROUTE 302 14+75.91	8.27 LT	US ROUTE 302 14+77.71	4.62 RT	N/A	13.02
C-22	VERTICAL	US ROUTE 302 14+77.71	4.62 RT	US ROUTE 302 14+75.23	6.84 RT	2.00	3.93
L-9	VERTICAL	US ROUTE 302 14+75.23	6.84 RT	US ROUTE 302 14+63.82	3.87 RT	N/A	11.75
C-23	VERTICAL	US ROUTE 302 14+63.82	3.87 RT	US ROUTE 302 14+42.54	0.30 RT	93.00	21.53
TH 30 APPROACH MEDIAN ISLAND							
C-24	SLOPED	TH 30 54+32.94	1.63 LT	TH 30 54+35.61	4.22 LT	2.00	4.78
C-25	SLOPED	TH 30 54+35.61	4.22 LT	TH 30 54+41.49	1.90 LT	64.00	6.32
C-26	SLOPED	TH 30 54+41.49	1.90 LT	TH 30 54+41.49	1.89 RT	2.00	4.97
C-27	SLOPED	TH 30 54+41.49	1.89 RT	TH 30 54+38.13	3.13 RT	64.00	3.58
C-28	SLOPED	TH 30 54+38.13	3.13 RT	TH 30 54+34.24	1.50 RT	3.00	4.68
L-10	SLOPED	TH 30 54+34.24	1.50 RT	TH 30 54+32.94	1.63 LT	N/A	3.40
US ROUTE 302 SOUTH APPROACH MEDIAN ISLAND							
C-29	VERTICAL	US ROUTE 302 16+04.25	6.20 LT	US ROUTE 302 16+06.85	8.33 LT	2.00	4.00
C-30	VERTICAL	US ROUTE 302 16+06.85	8.33 LT	US ROUTE 302 16+15.19	5.84 LT	168.00	8.70
C-31	VERTICAL	US ROUTE 302 16+25.19	3.46 LT	US ROUTE 302 16+40.24	1.06 LT	168.00	15.24
C-32	VERTICAL	US ROUTE 302 16+40.24	1.06 LT	US ROUTE 302 16+40.39	2.89 RT	2.00	5.69
C-33	VERTICAL	US ROUTE 302 16+40.39	2.89 RT	US ROUTE 302 16+25.19	6.48 RT	168.00	15.62
C-34	VERTICAL	US ROUTE 302 16+15.19	9.68 RT	US ROUTE 302 16+10.07	11.59 RT	168.00	5.47
C-35	VERTICAL	US ROUTE 302 16+10.07	11.59 RT	US ROUTE 302 16+06.00	9.14 RT	3.00	5.49
L-11	VERTICAL	US ROUTE 302 16+06.00	9.14 RT	US ROUTE 302 16+04.25	6.20 LT	N/A	15.44
L-12	VERTICAL	US ROUTE 302 16+15.19	9.68 RT	US ROUTE 302 16+15.19	5.84 LT	N/A	15.52
L-13	VERTICAL	US ROUTE 302 16+25.19	6.48 RT	US ROUTE 302 16+25.19	3.46 LT	N/A	9.94
VT 110 APPROACH MEDIAN ISLAND							
C-36	VERTICAL	VT 110 52+99.95	4.75 LT	VT 110 53+02.96	2.40 LT	3.00	4.15
L-14	VERTICAL	VT 110 53+02.96	2.40 LT	VT 110 53+06.60	14.13 RT	N/A	16.92
C-37	VERTICAL	VT 110 53+06.60	14.13 RT	VT 110 53+03.92	16.42 RT	2.00	4.32
C-38	VERTICAL	VT 110 53+03.92	16.42 RT	VT 110 52+61.43	4.56 RT	218.00	44.19
C-39	VERTICAL	VT 110 52+61.43	4.56 RT	VT 110 52+39.38	1.90 RT	218.00	12.05
C-40	VERTICAL	VT 110 52+39.38	1.90 RT	VT 110 52+39.49	3.09 LT	2.50	7.61
L-15	VERTICAL	VT 110 52+39.49	3.09 LT	VT 110 52+51.20	3.41 LT	N/A	11.72
L-16	VERTICAL	VT 110 52+51.20	3.41 LT	VT 110 52+51.28	3.07 RT	N/A	6.48
L-17	VERTICAL	VT 110 52+61.43	4.56 RT	VT 110 52+61.20	3.69 LT	N/A	8.25
L-18	VERTICAL	VT 110 52+61.20	3.69 LT	VT 110 52+99.95	4.75 LT	N/A	38.77
ROUNDABOUT CENTER ISLAND							
C-45	VERTICAL	N/A	N/A	N/A	N/A	50.00	157.08

COMPLETED 6-17-09

COMPLETED 6-18-09

COMPLETED 6-12-09

FM=

COMPLETED 6-16-09

9213 FT

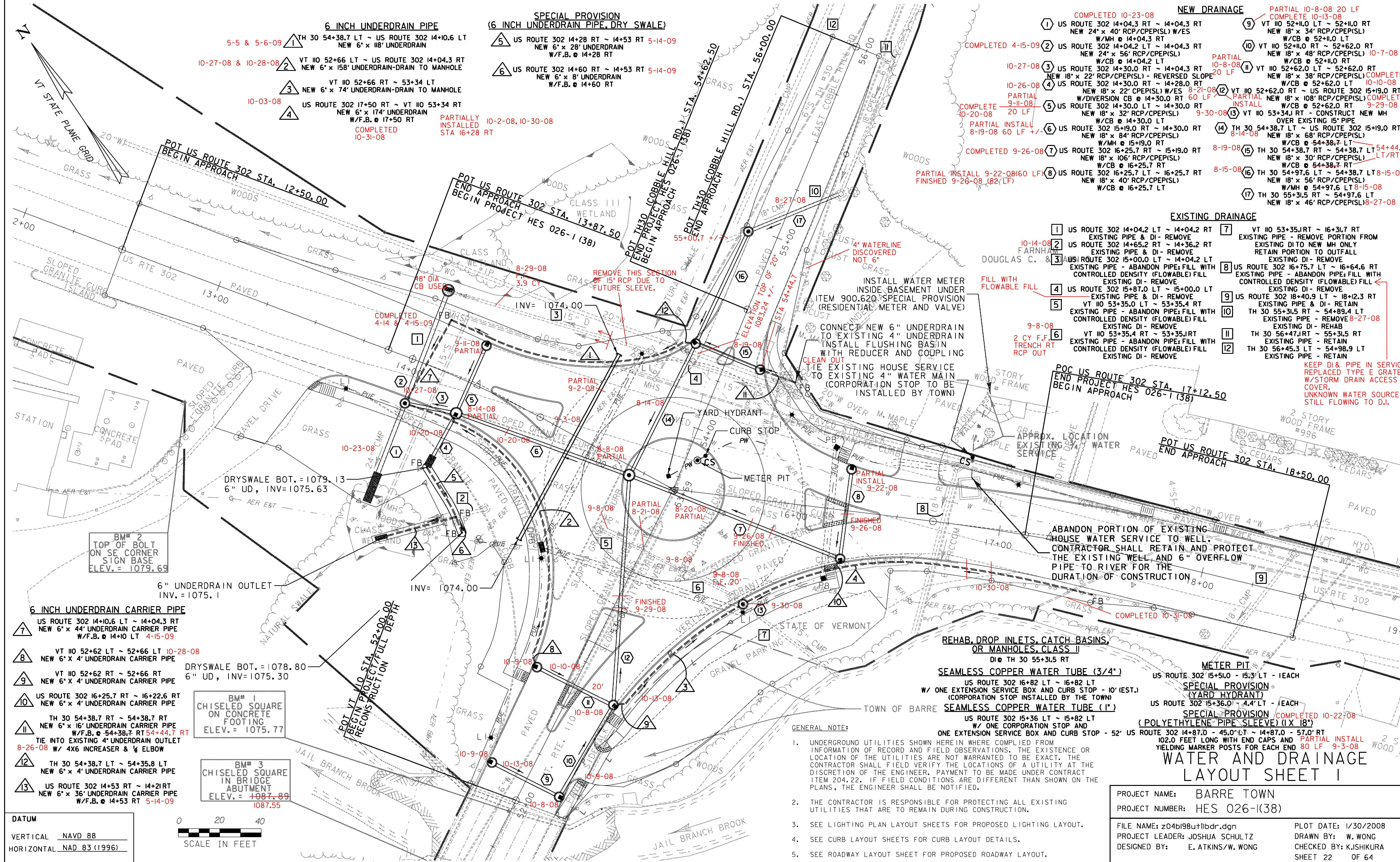
27.73 FT

1011 FT

15446 FT

CURB TIE LAYOUT SHEET 1

PROJECT NAME: BARRE TOWN		PLOT DATE: 1/29/2008	
PROJECT NUMBER: HES 026-1(38)		DRAWN BY: W. WONG	
FILE NAME: z04b198curbbdr.dgn		CHECKED BY: K.JSHIKURA	
PROJECT LEADER: JOSHUA SCHULTZ		SHEET 17 OF 64	
DESIGNED BY: E. ATKINS/W. WONG			



DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1996)

0 20 40
SCALE IN FEET

- 6 INCH UNDERDRAIN CARRIER PIPE**
- 7 US ROUTE 302 14+04.3 RT ~ 14+04.3 RT
NEW 6" x 44' UNDERDRAIN CARRIER PIPE
W/F.B. @ 14+10 LT 4-15-09
 - 8 VT 110 52+62 LT ~ 52+66 LT 10-28-08
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
 - 9 VT 110 52+62 RT ~ 52+66 RT
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
 - 10 US ROUTE 302 16+25.7 RT ~ 16+22.6 RT
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
 - 11 TH 30 54+38.7 RT ~ 54+38.7 RT
NEW 6" x 16' UNDERDRAIN CARRIER PIPE
W/F.B. @ 54+38.7 RT 54+44.7 RT
TIE INTO EXISTING 4" UNDERDRAIN OUTLET
8-26-08 W/ 4X6 INCREASER & 1/2 ELBOW
 - 12 TH 30 54+38.7 LT ~ 54+35.8 LT
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
 - 13 US ROUTE 302 14+53 RT ~ 14+21 RT
NEW 6" x 36' UNDERDRAIN CARRIER PIPE
W/F.B. @ 14+53 RT 5-14-09

BM* 1
CHISELED SQUARE
ON CONCRETE
FOOTING
ELEV. = 1075.77

BM* 3
CHISELED SQUARE
IN BRIDGE
ABUTMENT
ELEV. = 1087.55

DRYSWALE BOT. = 1078.80
6" UD, INV = 1075.30

6" UNDERDRAIN OUTLET
INV. = 1075.1

DRYSWALE BOT. = 1079.13
6" UD, INV = 1075.63

BM* 2
TOP OF BOLT
ON SE CORNER
SIGN BASE
ELEV. = 1079.69

- SPECIAL PROVISION
(6 INCH UNDERDRAIN PIPE, DRY SWALE)**
- 5 US ROUTE 302 14+28 RT ~ 14+53 RT 5-14-09
NEW 6" x 28' UNDERDRAIN
W/F.B. @ 14+28 RT
 - 6 US ROUTE 302 14+60 RT ~ 14+53 RT 5-14-09
NEW 6" x 8' UNDERDRAIN
W/F.B. @ 14+60 RT

10-2-08, 10-30-08
PARTIALLY
INSTALLED
STA 16+28 RT

8-29-08
F.F. 3.9 CY
REMOVE THIS SECTION
OF 15" RCP DUE TO
FUTURE SLEEVE.

PARTIAL
9-2-08

8-8-08
PARTIAL

9-8-08
F.F. 20

10-9-08
10-10-08

10-9-08
10-8-08

INSTALL WATER METER
INSIDE BASEMENT UNDER
ITEM 900.620 SPECIAL PROVISION
(RESIDENTIAL METER AND VALVE)

CONNECT NEW 6" UNDERDRAIN
TO EXISTING 4" UNDERDRAIN
INSTALL FLUSHING BASIN
WITH REDUCER AND COUPLING

CLEAN OUT
EXISTING HOUSE SERVICE
TO EXISTING 4" WATER MAIN
(CORPORATION STOP TO BE
INSTALLED BY TOWN)

YARD HYDRANT

CURB STOP

METER PIT

REHAB. DROP INLETS, CATCH BASINS,
OR MANHOLES, CLASS II
DI @ TH 30 55+31.5 RT

SEAMLESS COPPER WATER TUBE (3/4")
US ROUTE 302 16+82 LT ~ 16+82 LT
W/ ONE EXTENSION SERVICE BOX AND CURB STOP - 10' (EST.)
(CORPORATION STOP INSTALLED BY THE TOWN)

SEAMLESS COPPER WATER TUBE (1")
US ROUTE 302 15+36 LT ~ 15+82 LT
W/ ONE CORPORATION STOP AND
ONE EXTENSION SERVICE BOX AND CURB STOP - 52'

GENERAL NOTE:
1. UNDERGROUND UTILITIES SHOWN HEREIN WHERE COMPLIED FROM
INFORMATION OF RECORD AND FIELD OBSERVATIONS. THE EXISTENCE OR
LOCATION OF THE UTILITIES ARE NOT WARRANTED TO BE EXACT. THE
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF A UTILITY AT THE
DISCRETION OF THE ENGINEER. PAYMENT TO BE MADE UNDER CONTRACT
ITEM 204.22. IF FIELD CONDITIONS ARE DIFFERENT THAN SHOWN ON THE
PLANS, THE ENGINEER SHALL BE NOTIFIED.

2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING
UTILITIES THAT ARE TO REMAIN DURING CONSTRUCTION.

3. SEE LIGHTING PLAN LAYOUT SHEETS FOR PROPOSED LIGHTING LAYOUT.

4. SEE CURB LAYOUT SHEETS FOR CURB LAYOUT DETAILS.

5. SEE ROADWAY LAYOUT SHEET FOR PROPOSED ROADWAY LAYOUT.

- COMPLETED 10-23-08**
- 1 US ROUTE 302 14+04.3 RT ~ 14+04.3 RT
NEW 24" x 40' RCP/CPEP(SL) W/ES
W/MH @ 14+04.3 RT
 - 2 US ROUTE 302 14+04.2 LT ~ 14+04.3 RT
NEW 24" x 56' RCP/CPEP(SL)
W/CB @ 14+04.2 LT
 - 3 US ROUTE 302 14+30.0 RT ~ 14+04.3 RT
NEW 18" x 22' RCP/CPEP(SL) - REVERSED SLOPE
 - 4 US ROUTE 302 14+30.0 RT ~ 14+28.0 RT
NEW 18" x 22' CPEP(SL) W/ES 8-21-08
W/DIVERSION CB @ 14+30.0 RT 60 LF
 - 5 US ROUTE 302 14+30.0 LT ~ 14+30.0 RT
NEW 18" x 32' RCP/CPEP(SL)
W/CB @ 14+30.0 LT
 - 6 US ROUTE 302 15+19.0 RT ~ 14+30.0 RT
NEW 18" x 84' RCP/CPEP(SL)
W/MH @ 15+19.0 RT
 - 7 US ROUTE 302 16+25.7 RT ~ 15+19.0 RT
NEW 18" x 106' RCP/CPEP(SL)
W/CB @ 16+25.7 RT
 - 8 US ROUTE 302 16+25.7 LT ~ 16+25.7 RT
NEW 18" x 40' RCP/CPEP(SL)
W/CB @ 16+25.7 LT
- COMPLETED 4-15-09**
- 10-27-08**
- 10-26-08**
- COMPLETE 10-20-08**
- PARTIAL 8-19-08 60 LF +/-**
- PARTIAL INSTALL 9-22-08 (60 LF)**
- FINISHED 9-26-08 (82' LF)**

- NEW DRAINAGE**
- 9 VT 110 52+11.0 LT ~ 52+11.0 RT
NEW 18" x 34' RCP/CPEP(SL)
W/CB @ 52+11.0 LT
 - 10 VT 110 52+11.0 RT ~ 52+62.0 RT
NEW 18" x 48' RCP/CPEP(SL) 10-7-08
W/CB @ 52+11.0 RT
 - 11 VT 110 52+62.0 LT ~ 52+62.0 RT
NEW 18" x 38' RCP/CPEP(SL) COMPLETE
W/CB @ 52+62.0 LT 10-10-08
 - 12 VT 110 52+62.0 RT ~ 52+19.0 RT
NEW 18" x 108' RCP/CPEP(SL) COMPLETE
W/CB @ 52+62.0 RT 9-29-08
 - 13 VT 110 53+34.1 RT - CONSTRUCT NEW MH
OVER EXISTING 15" PIPE
 - 14 TH 30 54+38.7 LT ~ US ROUTE 302 15+19.0 RT
NEW 18" x 68' RCP/CPEP(SL) 8-14-08
W/CB @ 54+38.7 LT
 - 15 TH 30 54+38.7 RT ~ 54+38.7 LT 54+44.7
NEW 18" x 30' RCP/CPEP(SL) LT/RT
 - 16 TH 30 54+97.6 LT ~ 54+38.7 LT 8-15-08
NEW 18" x 56' RCP/CPEP(SL)
 - 17 TH 30 55+31.5 RT ~ 54+97.6 LT 8-15-08
NEW 18" x 46' RCP/CPEP(SL) 8-27-08

- EXISTING DRAINAGE**
- 1 US ROUTE 302 14+04.2 LT ~ 14+04.2 RT
EXISTING PIPE & DI - REMOVE
 - 2 US ROUTE 302 14+65.2 RT ~ 14+36.2 RT
EXISTING PIPE & DI - REMOVE
 - 3 US ROUTE 302 15+00.0 LT ~ 14+04.2 LT
EXISTING PIPE - ABANDON PIPE; FILL WITH
CONTROLLED DENSITY (FLOWABLE) FILL
EXISTING DI - REMOVE
 - 4 US ROUTE 302 15+87.0 LT ~ 15+00.0 LT
EXISTING PIPE & DI - REMOVE
 - 5 VT 110 53+35.0 LT ~ 53+35.4 RT
EXISTING PIPE - ABANDON PIPE; FILL WITH
CONTROLLED DENSITY (FLOWABLE) FILL
EXISTING DI - REMOVE
 - 6 VT 110 53+35.4 RT ~ 53+35.1 RT
EXISTING PIPE - ABANDON PIPE; FILL WITH
CONTROLLED DENSITY (FLOWABLE) FILL
EXISTING DI - REMOVE
 - 7 VT 110 53+35.1 RT ~ 16+31.7 RT
EXISTING PIPE - REMOVE PORTION FROM
EXISTING DIT TO NEW MH ONLY
RETAIN PORTION TO OUTFALL
EXISTING DI - REMOVE
 - 8 US ROUTE 302 16+75.7 LT ~ 16+64.6 RT
EXISTING PIPE - ABANDON PIPE; FILL WITH
CONTROLLED DENSITY (FLOWABLE) FILL
EXISTING DI - REMOVE
 - 9 US ROUTE 302 18+40.9 LT ~ 18+12.3 RT
EXISTING PIPE & DI - RETAIN
 - 10 TH 30 55+31.5 RT ~ 54+89.4 RT
EXISTING PIPE - REMOVE 8-27-08
 - 11 TH 30 56+47.1 RT ~ 55+31.5 RT
EXISTING DI - REHAB
 - 12 TH 30 56+45.3 LT ~ 54+98.9 LT
EXISTING PIPE - RETAIN

KEEP DI & PIPE IN SERVICE
REPLACED TYPE E GRATE
W/ STORM DRAIN ACCESS
COVER.
UNKNOWN WATER SOURCE
STILL FLOWING TO D.I.

POT US ROUTE 302 STA. 18+50.00
END APPROACH

ABANDON PORTION OF EXISTING
HOUSE WATER SERVICE TO WELL.
CONTRACTOR SHALL RETAIN AND PROTECT
THE EXISTING WELL AND 6" OVERFLOW
PIPE TO RIVER FOR THE
DURATION OF CONSTRUCTION

METER PIT
US ROUTE 302 15+51.0 - 15+31.5 LT - EACH

SPECIAL PROVISION
(YARD HYDRANT)
US ROUTE 302 15+36.0 - 15+44.7 LT - EACH

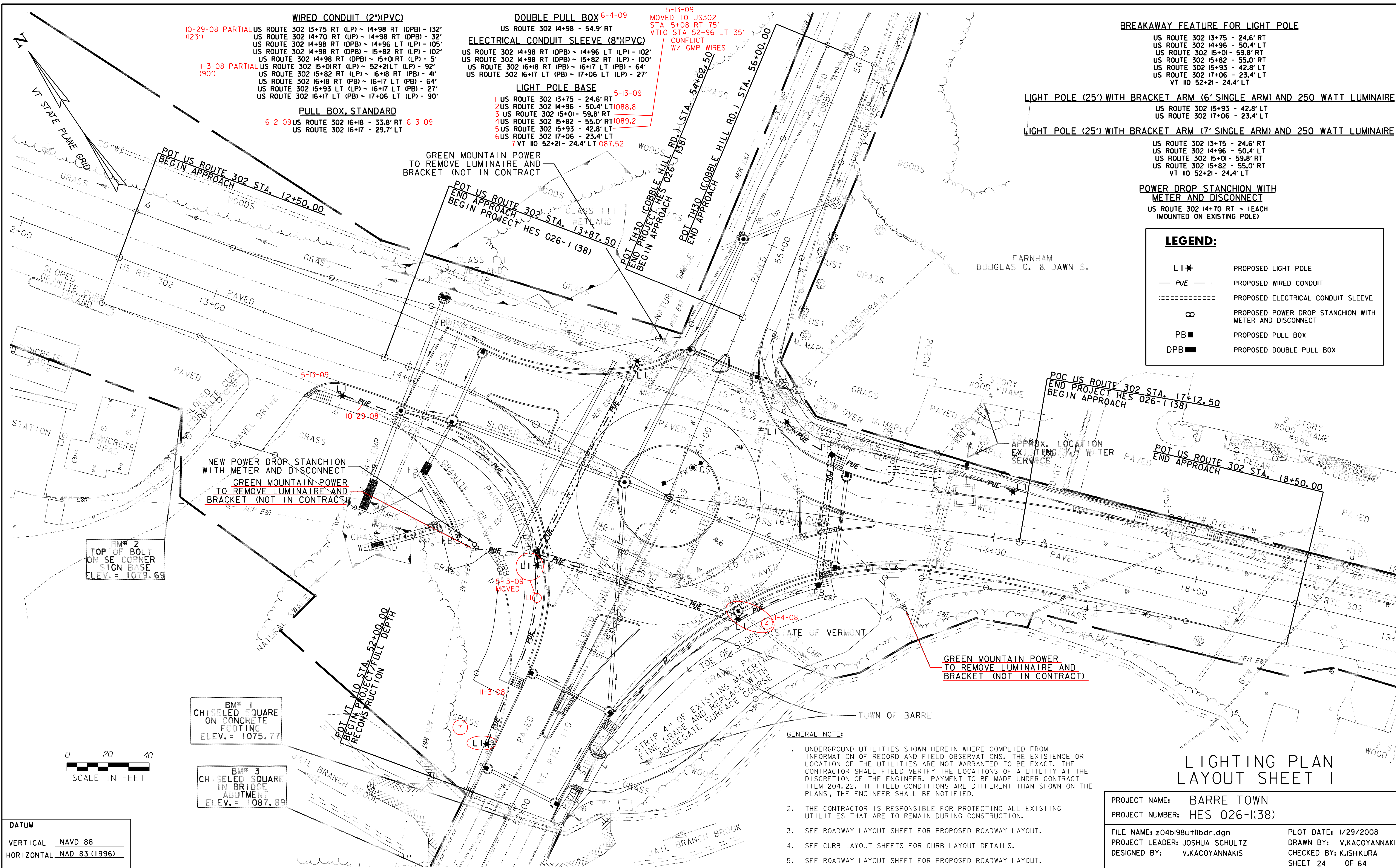
SPECIAL PROVISION
(POLYETHYLENE PIPE SLEEVE) (18")
COMPLETED 10-22-08
US ROUTE 302 14+87.0 - 45.0 LT ~ 14+87.0 - 57.0 RT
102.0 FEET LONG WITH END CAPS AND PARTIAL INSTALL
YIELDING MARKER POSTS FOR EACH END 80 LF 9-3-08

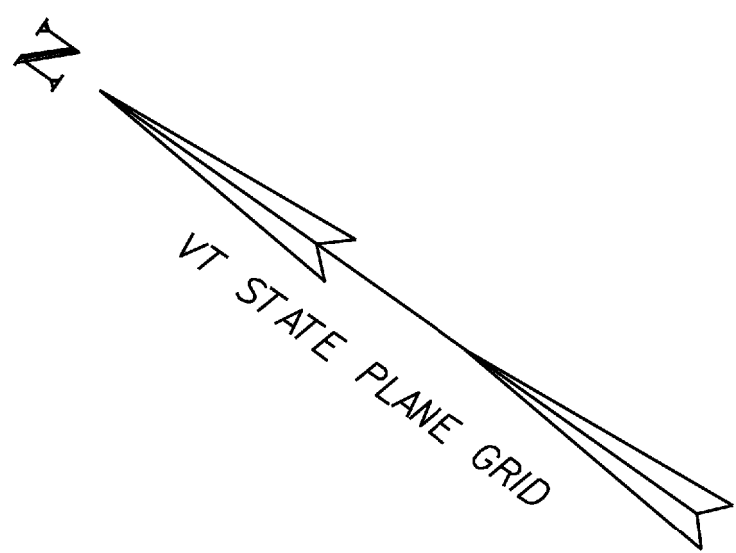
**WATER AND DRAINAGE
LAYOUT SHEET 1**

PROJECT NAME: BARRE TOWN
PROJECT NUMBER: HES 026-I(38)

FILE NAME: z04b198u11bdr.dgn
PROJECT LEADER: JOSHUA SCHULTZ
DESIGNED BY: E. ATKINS/W. WONG

PLOT DATE: 1/30/2008
DRAWN BY: W. WONG
CHECKED BY: K.JSHIKURA
SHEET 22 OF 64





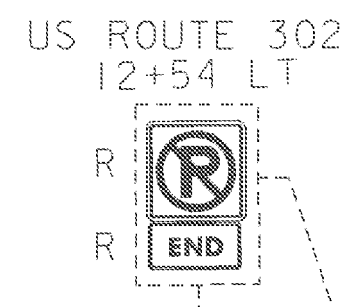
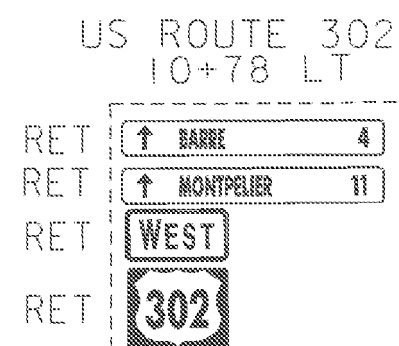
DURABLE 4 INCH WHITE LINE
US ROUTE 302 8+50 ~ 13+00, LT 450 L.F.
US ROUTE 302 8+50 ~ 13+00, RT 450 L.F.

DURABLE 4 INCH YELLOW LINE
US ROUTE 302 8+50 ~ 13+00, 2 @ 450 L.F. - 900 L.F.

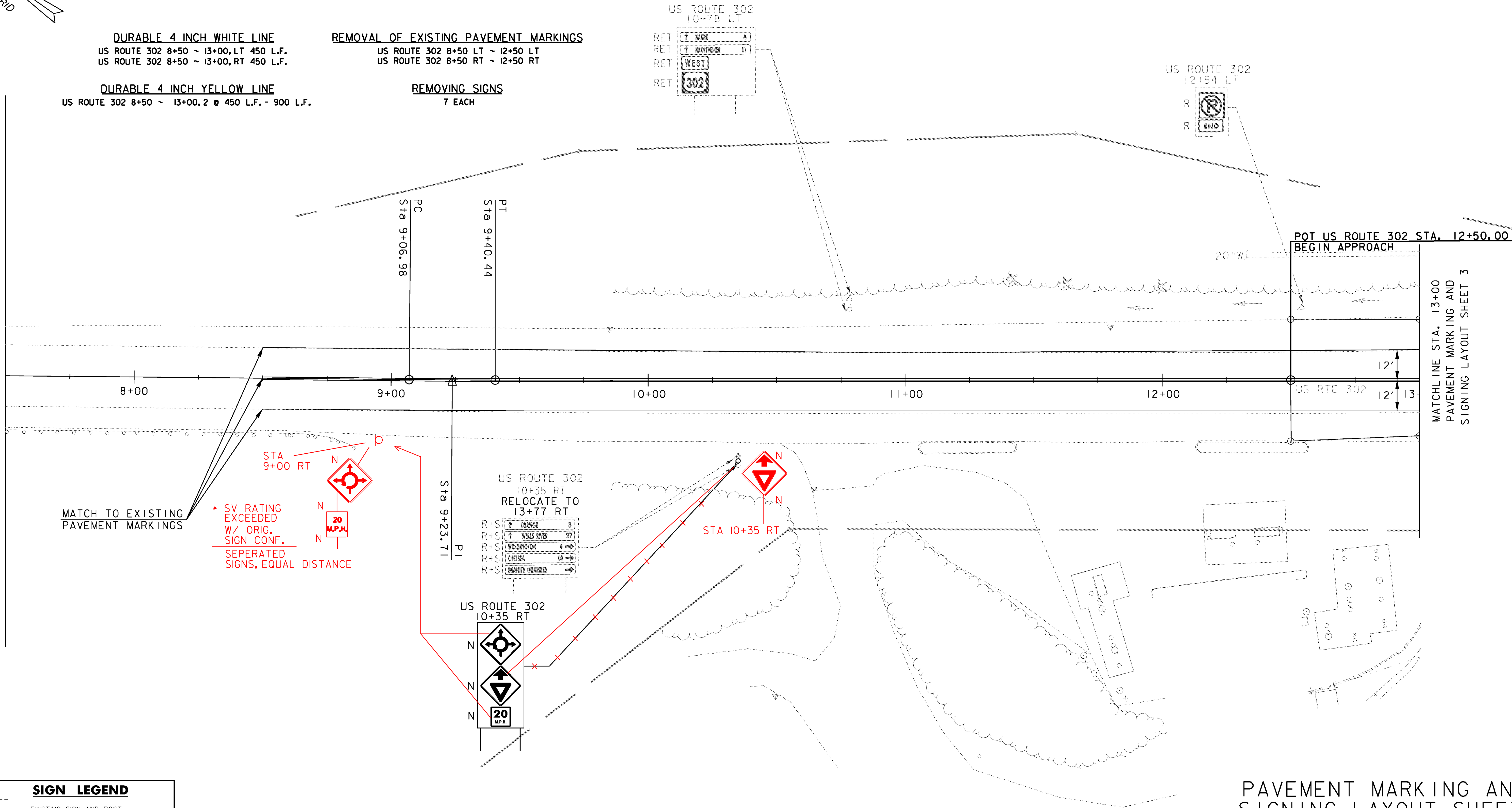
REMOVAL OF EXISTING PAVEMENT MARKINGS

US ROUTE 302 8+50 LT ~ 12+50 LT
US ROUTE 302 8+50 RT ~ 12+50 RT

REMOVING SIGNS
7 EACH

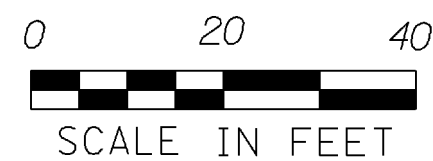


MATCHLINE STA. 7+50
PAVEMENT MARKING AND
SIGNING LAYOUT SHEET 1



SIGN LEGEND

- [Existing sign symbol] = EXISTING SIGN AND POST
- [New sign symbol] = NEW SIGN W/ NEW POST
- R = REMOVE EXISTING SIGN AND POST
- R+S = SALVAGE SIGN AND RELOCATE TO NOTED LOCATION WITH NEW SIGN POST, REMOVE AND DISPOSE EXISTING SIGN POST
- N = NEW
- RET = RETAIN AT EXISTING LOCATION
- B-B = BACK TO BACK



DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83 (1996)

NOTES:

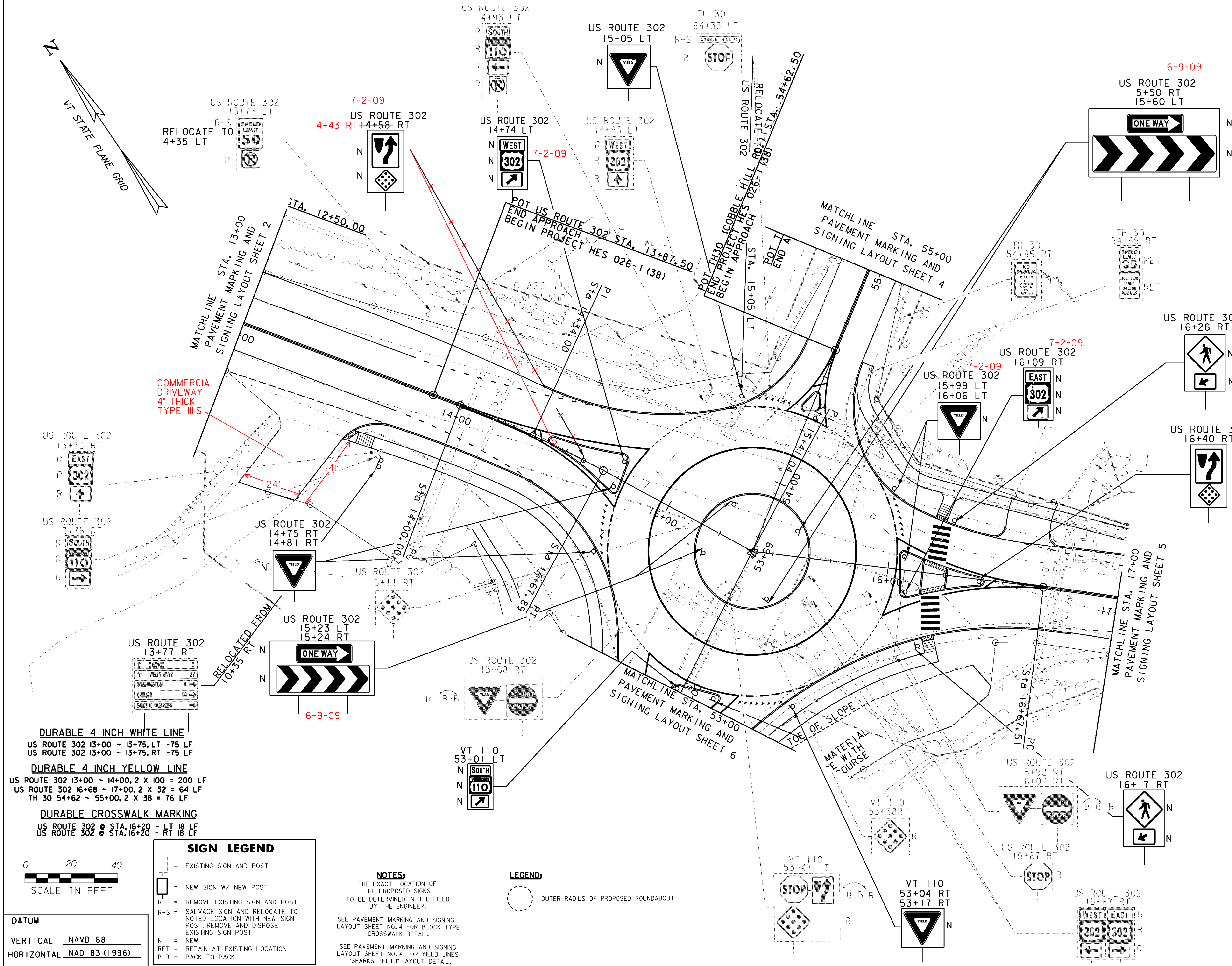
THE EXACT LOCATION OF THE PROPOSED SIGNS
TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

**PAVEMENT MARKING AND
SIGNING LAYOUT SHEET 2**

PROJECT NAME: BARRE TOWN
PROJECT NUMBER: HES 026-1(38)

FILE NAME: z04bl98trfbdr.dgn
PROJECT LEADER: JOSHUA SCHULTZ
DESIGNED BY: J.FORD

PLOT DATE: 1/30/2008
DRAWN BY: V.KACOYANNAKIS
CHECKED BY: J.FORD
SHEET 36 OF 64



- REMOVING SIGNS**
40 EACH
- ERECTING SALVAGED SIGNS**
6 EACH
- DURABLE LETTER OR SYMBOL**
US ROUTE 302 QTY = 15 EA.
15 - "SHARKS TEETH"- YIELD SYMBOLS
COBBLE HILL ROAD QTY = 6 EA.
6 - "SHARKS TEETH"- YIELD SYMBOLS
VT 110 QTY = 11EA.
8 - "SHARKS TEETH"- YIELD SYMBOLS
- DURABLE 8 INCH WHITE LINE**
US ROUTE 302 13+75 RT ~ 14+43 RT, R=288', 11X2' = 22 LF
US ROUTE 302 13+75 LT ~ 14+61 LT, 15X2' = 30 LF
US ROUTE 302 16+57 LT ~ 17+00 LT, 8X2' = 16 LF
US ROUTE 302 16+68 RT ~ 17+00 RT, R=550', 5X2' = 10 LF
US ROUTE 302 14+80 RT ~ 14+81 LT - R = 62.50', 30 LF
US ROUTE 302 15+23 RT ~ 15+43 RT - R = 62.50', 45 LF
US ROUTE 302 15+25 LT ~ 15+66 LT - R = 62.50', 20 LF
US ROUTE 302 16+00 RT ~ 16+02 LT - R = 62.50', 35 LF
- DURABLE 8 INCH YELLOW LINE**
US ROUTE 302 14+00 RT ~ 14+80 RT - R = 99', 82 LF
US ROUTE 302 14+00 LT ~ 14+81 LT - R = 287', 84 LF
US ROUTE 302 14+20 LT ~ 14+39 RT, 9 LF - GORE MARKS
US ROUTE 302 16+00 RT ~ 16+15 RT - R = 128', 18 LF
US ROUTE 302 16+02 LT ~ 16+16 LT - R = 150', 15 LF
US ROUTE 302 16+25 RT ~ 16+68 RT - R = 128', 44 LF
US ROUTE 302 16+25 LT ~ 16+68 LT - R = 150', 44 LF
US ROUTE 302 16+42 RT ~ 16+60 LT, 10 LF - GORE MARKS
VT 110 53+00 RT ~ 53+10 RT - R = 334', 11 LF
VT 110 53+00 LT ~ 53+09 LT - R = 472', 10 LF
TH 30 54+30 RT ~ 54+63 RT - R = 62', 34 LF
TH 30 54+30 LT ~ 54+63 LT - R = 62', 34 LF
TH 30 54+44 LT ~ 54+57 RT, - 10 LF - GORE MARKS
EDGE OF TRUCK APRON, R = 45.00', 282 LF
- DURABLE 12 INCH WHITE LINE**
US ROUTE 302 14+80 RT ~ 14+92 RT
R = 62.50, 5 X 3' = 15 LF
US ROUTE 302 15+92 LT ~ 16+01 LT
R = 62.50, 4 X 3' = 12 LF
VT 110 53+12 RT ~ 53+27 RT
R = 62.50, 5 X 3' = 15 LF
TH 30 54+22 LT ~ 54+30 LT
R = 62.50, 4 X 3' = 12 LF

- DURABLE 4 INCH WHITE LINE**
US ROUTE 302 13+00 ~ 13+75, LT - 75 LF
US ROUTE 302 13+00 ~ 13+75, RT - 75 LF
- DURABLE 4 INCH YELLOW LINE**
US ROUTE 302 13+00 ~ 14+00, 2 X 100 = 200 LF
US ROUTE 302 16+68 ~ 17+00, 2 X 32 = 64 LF
TH 30 54+62 ~ 55+00, 2 X 38 = 76 LF
- DURABLE CROSSWALK MARKING**
US ROUTE 302 @ STA. 16+20 - LT 18 LF
US ROUTE 302 @ STA. 16+20 - RT 18 LF

SIGN LEGEND

EXISTING SIGN AND POST

NEW SIGN W/ NEW POST

R = REMOVE EXISTING SIGN AND POST

R+S = SALVAGE SIGN AND RELOCATE TO NOTED LOCATION WITH NEW SIGN POST. REMOVE AND DISPOSE EXISTING SIGN POST

N = NEW

RET = RETAIN AT EXISTING LOCATION

B-B = BACK TO BACK

NOTES:

THE EXACT LOCATION OF THE PROPOSED SIGNS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

SEE PAVEMENT MARKING AND SIGNING LAYOUT SHEET NO. 4 FOR BLOCK TYPE CROSSWALK DETAIL.

SEE PAVEMENT MARKING AND SIGNING LAYOUT SHEET NO. 4 FOR YIELD LINES "SHARKS TEETH" LAYOUT DETAIL.

LEGEND:

OUTER RADIUS OF PROPOSED ROUNDABOUT

DATUM

VERTICAL NAVD 88

HORIZONTAL NAD 83 (1996)

PAVEMENT MARKING AND SIGNING LAYOUT SHEET 3

PROJECT NAME: BARRE TOWN

PROJECT NUMBER: HES 026-1(38)

FILE NAME: z04b198trfbd.dgn

PROJECT LEADER: JOSHUA SCHULTZ

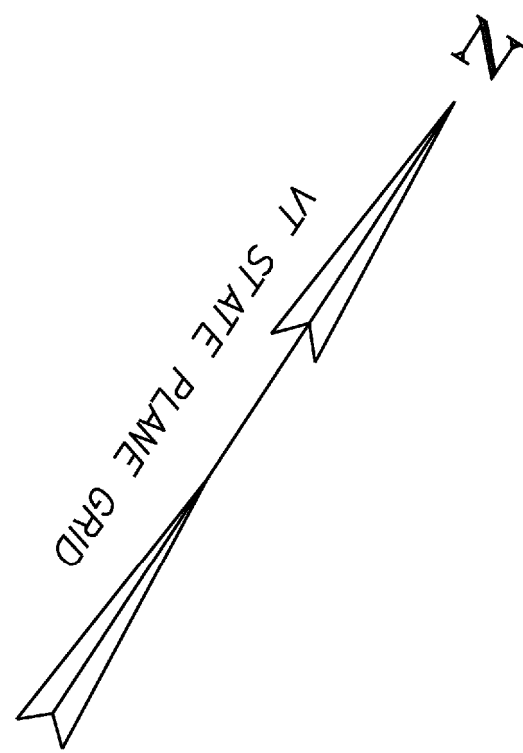
DESIGNED BY: J.FORD

PLOT DATE: 1/30/2008

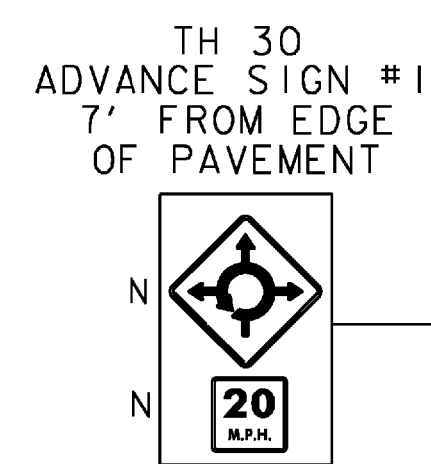
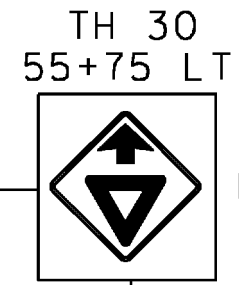
DRAWN BY: V.KACOYANNAKIS

CHECKED BY: J.FORD

SHEET 37 OF 64



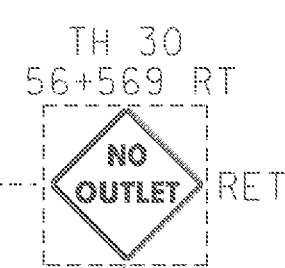
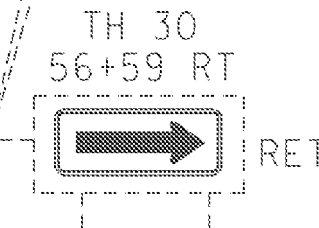
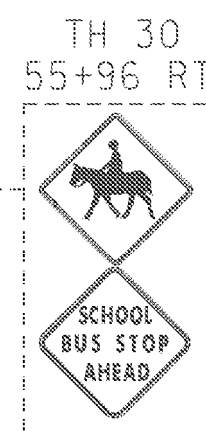
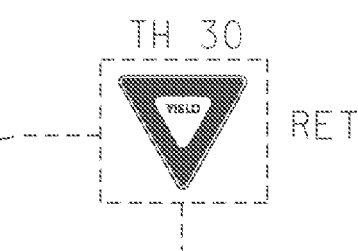
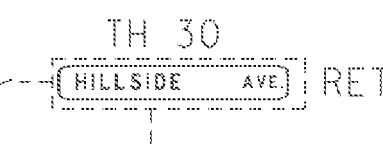
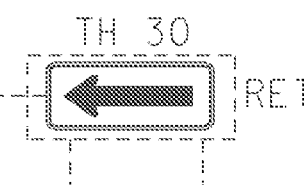
• RELOCATED AWAY
FOR AIKENS
FRONT YARD



MEET EXISTING
PAVEMENT MARKINGS

POE
Sta 56+68.51

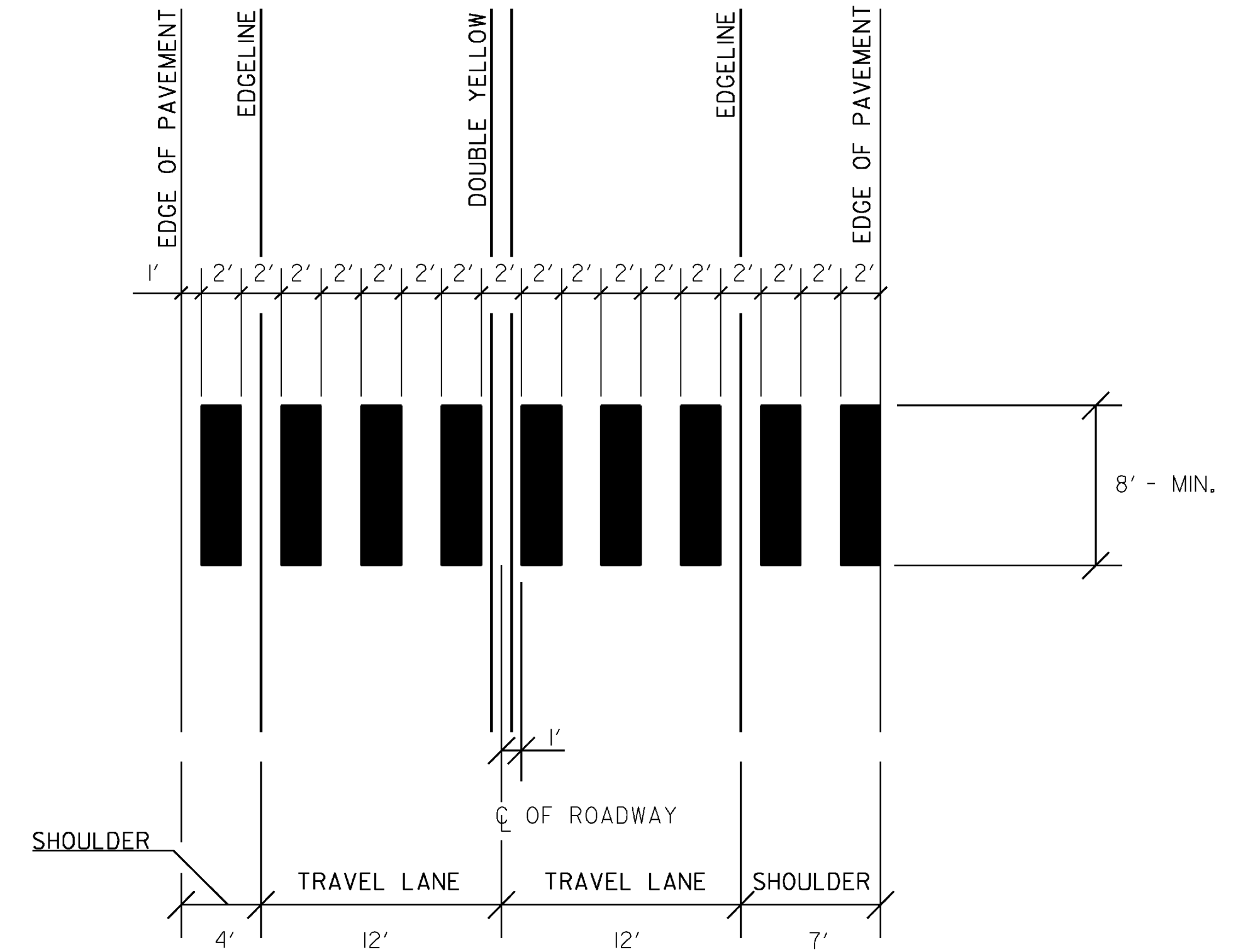
RELOCATED TO EDGE OF P/L (APPROX)



SIGN LEGEND

- EXISTING SIGN AND POST
- NEW SIGN W/ NEW POST
- REMOVE EXISTING SIGN AND POST
- SALVAGE SIGN AND RELOCATE TO NOTED LOCATION WITH NEW SIGN POST. REMOVE AND DISPOSE EXISTING SIGN POST
- NEW
- RETAIN AT EXISTING LOCATION
- BACK TO BACK

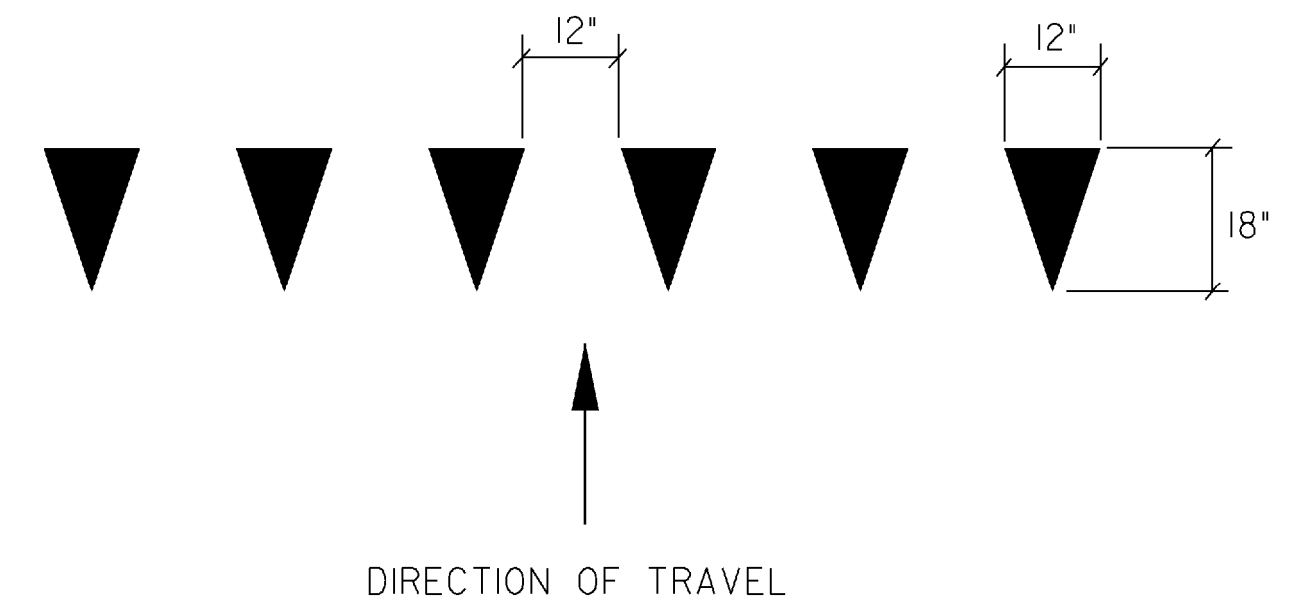
DURABLE 4 INCH YELLOW LINE
TH 30 55+00 ~ 56+00, 2 X 100' = 200 LF



ADJUST SPACING (1 - 2 FT) TO AVOID WHEEL PATHS

BLOCK TYPE CROSSWALK DETAIL

YIELD LINE LAYOUTS



PAVEMENT MARKING AND SIGNING LAYOUT SHEET 4

PROJECT NAME: BARRE TOWN
PROJECT NUMBER: HES 026-1(38)

FILE NAME: z04b198trfbdr.dgn
PROJECT LEADER: JOSHUA SCHULTZ
DESIGNED BY: J. FORD

PLOT DATE: 1/30/2008
DRAWN BY: V.KACOYANNAKIS
CHECKED BY: J.FORD
SHEET 38 OF 64

NOTES:

THE EXACT LOCATION OF THE PROPOSED SIGNS
TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

0 20 40
SCALE IN FEET

DATUM

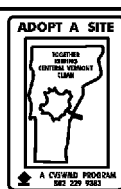
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1996)

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TYP:
ANCHOR LENGTH
POST LENGTH

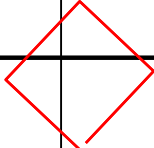
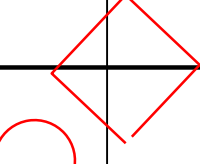
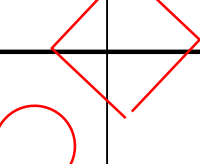
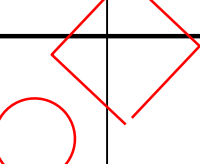
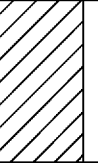
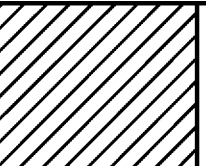
TRAFFIC SIGN SUMMARY SHEET

2" SQUARE TUBE USED PER C.O. #3

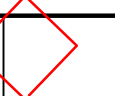
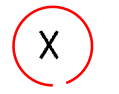
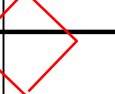
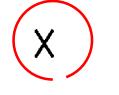
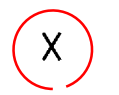
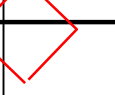
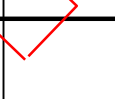
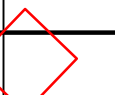
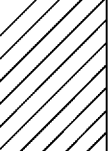
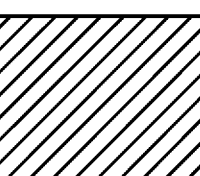
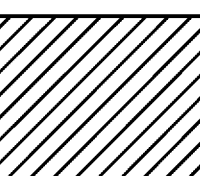
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			REQUIRED SIGN FRAME	REMARKS	SIGN DETAIL		
					“A”	“B”	SALV SIGN	SALV TIS			lb/ft	lb/ft	lb/ft	3.0	4.0	4.0 MOD			FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	DETAIL ON SHEET NUMBER			STD. SHEET NUMBER		
		E A	WIDTH (in)	HEIGHT (in)																				24"	30"								
																																1.12	2.0
OPTION ITEMS																																	
US ROUTE 302 SIGNS																																	
MP 2.20, RT US ROUTE 302	 VILLAGE SIGN	I					I			I			X	X	4' / 11'		I														RELOCATE SIGN ON NEW POST, FROM US ROUTE 302 STA. 6+25 RT TO MP 2.20 RT. EXACT LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER		STD. E-128A
MP 2.21, RT US ROUTE 302	 OFFICIAL BUSINESS DIRECTIONAL SIGN	I					I			2			X		X		2														RELOCATE SIGN ON NEW POSTS, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER		STD. E-125
	 OFFICIAL BUSINESS DIRECTIONAL SIGN	I					I																								RELOCATE SIGN ON NEW POSTS, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-125
MP 2.21, RT US ROUTE 302	 W3-5 SPEED REDUCTION SIGN	I	36	36	9.00					I			X	X 4' / 11'		2 + 4' / 12'															INSTALL NEW SIGN ON NEW POST, TYPE IX RETROREFLECTIVE SHEETING		-
MP 2.25, RT US ROUTE 302	 CIRCULAR INTERSECTION	I	48	48	16.00					2			X	X 4' / 13'	X	4' / 13' 2														INSTALL NEW SIGN ON NEW POSTS TYPE IX RETROREFLECTIVE SHEETING	41	-	
MP 2.26, RT US ROUTE 302	 OFFICIAL BUSINESS DIRECTIONAL SIGN	I					I			2			X		X	2															RELOCATE SIGN ON NEW POSTS, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER		STD. E-125
	 OFFICIAL BUSINESS DIRECTIONAL SIGN	I					I																								RELOCATE SIGN ON NEW POSTS, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-125
	 OFFICIAL BUSINESS DIRECTIONAL SIGN	I					I																								RELOCATE SIGN ON NEW POSTS, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-125
STATION 1+85, RT US ROUTE 302	 M2-1, JUNCTION	I					I			I			X	X		I	I											P/R	RELOCATE SIGN ON NEW POST, FROM US ROUTE 302 STA. 4+28 RT TO US ROUTE STA. 4+28 RT.		STD. E-136A		
	 STATE ROUTE MARKER	I					I																					P/R	RELOCATE SIGN ON NEW POST, FROM US ROUTE 302 STA. 4+28 RT TO US ROUTE STA. 4+28 RT. (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136B		
STATION 2+61, RT US ROUTE 302	 R6-1R, ONE- WAY RIGHT	I	36	12	3.0					I			X	X		I	I											P/R	INSTALL NEW SIGN ON NEW POST		STD. E-142		
STATION 2+61, RT US ROUTE 302	 ADOPT A SITE SIGN	I					I			I			X	X		I												P/R	RELOCATE SIGN ON NEW POST FROM US ROUTE 302 STA. 2+61RT TO US ROUTE 302 STA. 2+61RT		-		
	 ADOPTED & MONITORED BY WESTVILLE SUPPORT CHRISTIAN CHURCH - 2010-10-10	I					I																					P/R	RELOCATE SIGN ON NEW POST FROM US ROUTE 302 STA. 2+61RT TO US ROUTE 302 STA. 2+61RT (SUB-MOUNT W/ PREVIOUS SIGN)		-		
STATION 2+87, RT US ROUTE 302	 VD-305, MEMORIAL HIGHWAY SIGN	I					I			I			X	X		I												P/R	RELOCATE SIGN ON NEW POST FROM US ROUTE 302 STA. 2+87 RT TO US ROUTE 302 STA. 2+87 RT		-		
STATION 3+26, RT US ROUTE 302	 R7-8, RESERVED PARKING	I	12	18	1.5					I			X	X		I												P/R	INSTALL NEW SIGN ON NEW POST SIGN SHALL NOT INCLUDE ARROWS		-		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."											FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB				P/R = PARK & RIDE LOT	PROJECT NAME: BARRE TOWN PROJECT NUMBER: HES 026-1(38)		
													148.90	80.25	28.33	61.32		2														FILE NAME: z04bi98tss.dgn PROJECT LEADER: JOSHUA SCHULTZ DESIGNED BY: J. FORD TRAFFIC SIGN SUMMARY SHEET 1	PLOT DATE: 1/30/2008 DRAWN BY: V. KACOYANNAKI CHECKED BY: J. FORD SHEET 42 OF 64
					TOTALS	SF 29.50	SF II	SF			LF 148.90	LF 169.90					LB		EA.		LB			EA.	EA.	LB							

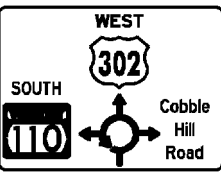
TRAFFIC SIGN SUMMARY SHEET

COD/SA NO. 3

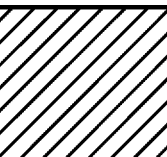
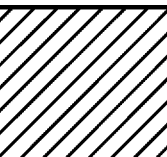
STATE OF VERMONT AGENCY OF TRANSPORTATION			TRAFFIC SIGN SUMMARY SHEET																																		
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)				NEW SIGN POSTS						RE- FOUR- SQUARE SIGNED	REMARKS	SIGN DETAIL											
				"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		lb/ft	lb/ft			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER	STD. SHEET NUMBER										
		1.75	2.0									2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE								
																							1.12							2.0	3.0	1.88	2.16	3.35	1.3	1.7	1.7
											OPTION ITEMS																										
	 OMI-1	1	18	18	2.25																												INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-150		
STATION 14+74, LT US ROUTE 302	 M3-4, CARDINAL DIRECTION MARKER	1	24	12	2.00					1			X		X			1	1														INSTALL NEW SIGN ON NEW POST		STD. E-136A		
	 MI-4, US ROUTE MARKER	1	30	24	5.00																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136A			
	 M6-2R DIRECTION ARROW	1	21	15	2.19																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-136A			
STATION 14+75 RT US ROUTE 302	 RI-2, YIELD	1	36	36	4.50					1			X	X			1	1															INSTALL NEW SIGN ON NEW POST		STD. E-146		
STATION 14+81, RT US ROUTE 302	 RI-2, YIELD	1	36	36	4.50					1			X	X			1	1															INSTALL NEW SIGN ON NEW POST		STD. E-146		
STATION 15+05, LT US ROUTE 302	 DI-1C, STREET SIGN	1								1			X	X			1															RELOCATE SIGN ON NEW POST FROM TH 30 STA. 54+33 LT NEED TO INSTALL		STD. E-131B			
	 RI-2, YIELD	1	36	36	4.50																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-146			
STATION 15+23, LT US ROUTE 302	 R6-1R, ONE- WAY RIGHT	1	36	12	3.0					2			X	X	4' / 10' 4' / 10'		2	2															INSTALL NEW SIGN ON NEW POSTS		STD. E-142		
	 WI-8A, CHEVRON	1	72	24	12.0																												INSTALL NEW SIGNS ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING		STD. E-150		
STATION 15+24, RT US ROUTE 302	 R6-1R, ONE- WAY RIGHT	1	36	12	3.0					2			X	X	4' / 10' 4' / 10'		2	2															INSTALL NEW SIGN ON NEW POSTS		STD. E-142		
	 WI-8A, CHEVRON	1	72	24	12.0																												INSTALL NEW SIGNS ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING		STD. E-150		
STATION 15+50, RT US ROUTE 302	 R6-1R, ONE- WAY RIGHT	1	36	12	3.0					2			X	X	4' / 10' 4' / 10'		2	2															INSTALL NEW SIGN ON NEW POSTS		STD. E-142		
	 WI-8A, CHEVRON	1	72	24	12.0																												INSTALL NEW SIGNS ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING		STD. E-150		
STATION 15+60, LT US ROUTE 302	 R6-1R, ONE- WAY RIGHT	1	36	12	3.0					2			X	X	4' / 10' 4' / 10'		2	2															INSTALL NEW SIGN ON NEW POSTS		STD. E-142		
	 WI-8A, CHEVRON	1	72	24	12.0																												INSTALL NEW SIGNS ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING		STD. E-150		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."											FT	FT	FT	FT	FT	FT		EA II		LB	LB	LB			LB	LB	LB	LB						PROJECT NAME: BARRE TOWN PROJECT NUMBER: HES 026-1(38) FILE NAME: z04bi98+ss.dgn PROJECT LEADER: JOSHUA SCHULTZ DESIGNED BY: J.FORD TRAFFIC SIGN SUMMARY SHEET 3		PLOT DATE: 1/30/2008 DRAWN BY: V. KACOYANNAKIS CHECKED BY: J. FORD SHEET 44 OF 64	
TOTALS					SF 84.94		SF	EA. 1	SF		140.50			173.50				LB		EA.	LB					EA.	EA.	LB									

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SS SALVAGE	NO. OF POSTS	NEW SIGN POSTS																		REMARKS	SIGN DETAIL				
												FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL					DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS				lb/ft	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ACTION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE						
																										1.12	2.0						3.0	1.88	2.16
												OPTION ITEMS																							
STATION 15+99, LT US ROUTE 302	 RI-2, YIELD	I	36	36	4.50						I			X	X			I															INSTALL NEW SIGN ON NEW POST		STD. E-146
STATION 16+06, LT US ROUTE 302	 RI-2, YIELD	I	36	36	4.50						I			X	X			I	I													INSTALL NEW SIGN ON NEW POST		STD. E-146	
STATION 16+09, RT US ROUTE 302	 M3-2, CARDINAL DIRECTION MARKER	I	24	12	2.00						I			X				I	I													INSTALL NEW SIGN ON NEW POST		STD. E-136A	
	 MI-4, US ROUTE MARKER	I	30	24	5.00																											INSTALL NEW SIGN ON NEW POST (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136A	
	 M6-2R DIRECTION ARROW	I	21	15	2.19																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-136A	
STATION 16+17, RT US ROUTE 302	 WII-2, PEDESTRIAN CROSSING	I	30	30	6.25						I			X				I														INSTALL NEW SIGN ON NEW POST TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
	 W16-7D, ARROW DOWN LT	I	24	12	2.0																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
STATION 16+26, RT US ROUTE 302	 WII-2, PEDESTRIAN CROSSING	I	30	30	6.25						I			X				I														INSTALL NEW SIGN ON NEW POST TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
	 W16-7D, ARROW DOWN LT	I	24	12	2.0																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
STATION 16+40, RT US ROUTE 302	 R4-7, KEEP RIGHT	I	24	30	5.00						I			X	X			I	I													INSTALL NEW SIGN ON NEW POST		STD. E-144	
	 OMI-1	I	18	18	2.25																											INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-150	
STATION 17+35, LT US ROUTE 302	 STANDARD GUIDE SIGN	I									2			X					2													RELOCATE SIGN ON NEW POSTS FROM US ROUTE 302 MP 2.68, LT TO US ROUTE 302 STA. 17+35 LT		STD. E-123	
	 STANDARD GUIDE SIGN	I																														RELOCATE SIGN ON NEW POSTS FROM US ROUTE 302 MP 2.68, LT TO US ROUTE 302 STA. 17+35 LT (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-123	
	 STANDARD GUIDE SIGN	I																														RELOCATE SIGN ON NEW POSTS FROM US ROUTE 302 MP 2.68, LT TO US ROUTE 302 STA. 17+35 LT (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-123	
	 STANDARD GUIDE SIGN	I																														RELOCATE SIGN ON NEW POSTS FROM US ROUTE 302 MP 2.68, LT TO US ROUTE 302 STA. 17+35 LT (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-123	
	 STANDARD GUIDE SIGN	I																														RELOCATE SIGN ON NEW POSTS FROM US ROUTE 302 MP 2.68, LT TO US ROUTE 302 STA. 17+35 LT (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-123	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."												LF	LF	LF	LF	LF	LF		EA 3	LB	LB	LB		LB	LB	LB	LB						PROJECT NAME: BARRE TOWN PROJECT NUMBER: HES 026-1(38)		
												LF	LF	LF	LF	LF	LF			LB	LB	LB		EA.	LB	EA.	EA.	LB		FILE NAME: z04b198tss.dgn PROJECT LEADER: JOSHUA SCHULTZ DESIGNED BY: J.FORD TRAFFIC SIGN SUMMARY SHEET 4		PLOT DATE: 1/30/2008 DRAWN BY: V. KACOYANNAKIS CHECKED BY: J. FORD SHEET 45 OF 64			
TOTALS					SF 41.94		SF	EA. 5	SF			LF 97.50	LF 114.00					LB		EA.	LB	EA.	EA.	LB											

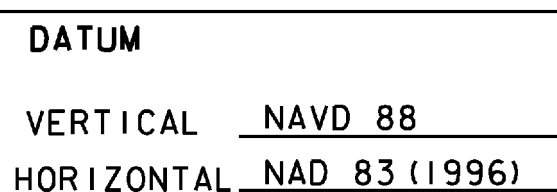
STATE OF VERMONT AGENCY OF TRANSPORTATION																																	TRAFFIC SIGN SUMMARY SHEET											
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE		NO. OF POSTS	NEW SIGN POSTS										REMARKS	SIGN DETAIL																					
												FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)						TUBULAR STEEL Ø (in)				W-SHAPE STEEL															
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	1.12	2.0		3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION		3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SUB-MOUNT DETAIL	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER											
																											1.12	2.0						3.0	1.88	2.16	3.35	1.3	1.7	1.7	24"	30"		
												OPTION ITEMS																																
MP 2.67, LT US ROUTE 302		GUIDE SIGN	I	103	76		54.36				2																					INSTALL NEW SIGN ON NEW POSTS AND NEW FOUNDATIONS	4I	-										
MP 2.71, LT US ROUTE 302		CIRCULAR INTERSECTION	I	48	48	16					2																					INSTALL NEW SIGN ON NEW POSTS, TYPE IX RETROREFLECTIVE SHEETING	4I	-										
		W3-2, YIELD AHEAD	I	30	30	6.25																										INSTALL NEW SIGN ON NEW POST APPROX. +/- 21ALONG US ROUTE 302 WEST OF STA. 20+00 TYPE IX RETROREFLECTIVE SHEETING		STD. E-150										
		W13-1, 20 M.P.H. PLAQUE	I	18	18	2.25																										INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGNS) TYPE IX RETROREFLECTIVE SHEETING		STD. E-155										
MP 2.71, LT US ROUTE 302		VILLAGE SIGN	I					I			I			X	X																	RELOCATE SIGN ON NEW POST, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER		STD. E-128A										
MP 2.77, LT US ROUTE 302		R2-1, SPEED LIMIT SIGN	I	24	30	5.00					I			X	X																	INSTALL NEW SIGN ON NEW POST		STD. E-142										
MP 2.83, LT US ROUTE 302		M2-1, JUNCTION	I					I			I			X	X																		RELOCATE SIGN ON NEW POST, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER		STD. E-136A									
		STATE ROUTE MARKER	I					I																									RELOCATE SIGN ON NEW POST, LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136B									
MP 2.86, LT US ROUTE 302		W3-5 SPEED REDUCTION SIGN		36	36	9.00					I			X																			INSTALL NEW SIGN ON NEW POST, TYPE IX RETROREFLECTIVE SHEETING		-									
MP 2.95, LT US ROUTE 302		CIRCULAR INTERSECTION		48	48	16					2			X																			INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGNS) TYPE IX RETROREFLECTIVE SHEETING	4I	-									
		W16-2, DISTANCE PLAQUE	I	30	24	5.00																											INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGNS) TYPE IX RETROREFLECTIVE SHEETING		-									
VT 110 SIGNS																																												
MP 0.96, RT VT 110		CIRCULAR INTERSECTION	I	30	30	6.25					2+			X																			INSTALL NEW SIGN ON NEW POSTS, APPROX. +/-566' ALONG VT 110 SOUTH OF STA. 51+19 TYPE IX RETROREFLECTIVE SHEETING	4I	-									
		W13-1, 20 M.P.H. PLAQUE	I	18	18	2.25																											INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGNS) TYPE IX RETROREFLECTIVE SHEETING		STD. E-155									
MP 1.043, RT VT 110		W3-2, YIELD AHEAD	I	30	30	6.25					I			X	X																		INSTALL NEW SIGN ON NEW POST, APPROX. +/-128' ALONG VT 110 SOUTH OF STA. 51+19 TYPE IX RETROREFLECTIVE SHEETING		STD. E-150									
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."												LF	LF	LF	LF	LF	LF	EA	LB	LB	LB		LB	LB	LB	LB						PROJECT NAME: BARRE TOWN PROJECT NUMBER: HES 026-1(38)												
												105.25			55.75	29.50	69.00						593.6									FILE NAME: z04bi98+ss.dgn PROJECT LEADER: JOSHUA SCHULTZ DESIGNED BY: J.FORD TRAFFIC SIGN SUMMARY SHEET 5		PLOT DATE: 1/30/2008 DRAWN BY: V. KACOYANNAKIS CHECKED BY: J. FORD SHEET 46 OF 64										
TOTALS						SF	SF	EA.	SF			LF			LF			LB			EA.	LB			EA.	EA.	LB																	
						74.25	54.36	3				105.25			154.25			LB				593.6																						

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RE- TAIN SALVAGE	NO. OF POS TS	NEW SIGN POSTS										RE- USE PREVIOUS FORM	REMARKS	SIGN DETAIL											
		E A	WIDTH (in)	HEIGHT (in)	“A”	“B”	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)				TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											lb/ft			lb/ft					lb/ft				FOUND- ATION	FTG. SIZE				WEIGHT	POST SIZE					
											1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0				4.0 MOD	3.0	3.5	4.0			5.0			24"	30"
OPTION ITEMS																																		
STATION MP 1.02 RT VT 110	 M2-1, JUNCTION	I	21	15	2.19						I			X		X		I													INSTALL NEW SIGN ON NEW POST		STD. E-136A	
	 MI-4, US ROUTE MARKER	I	30	24	5.00																										INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136A	
STATION MP 1.02 RT VT 110	 M4-6	I	24	12	2.00						I			X		X		I													INSTALL NEW SIGN ON NEW POST		STD. E-140	
	 STATE ROUTE MARKER	I	30	24	5.00																										INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136B	
STATION 52+40, LT VT 110	 R4-7, KEEP RIGHT	I	24	30	5.00						I			X	X			I	I												INSTALL NEW SIGN ON NEW POST		STD. E-144	
	 OMI-1	I	18	18	2.25																										INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-150	
STATION 52+42, RT VT 110	 RI-1, STOP SIGN	I	30	30	6.25						I			X	X			I													INSTALL NEW SIGN ON NEW POST		STD. E-143	
STATION 52+45, RT VT 110	 WII-2, PEDESTRIAN CROSSING	I	30	30	6.25						I			X		X		I													INSTALL NEW SIGN ON NEW POST TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
	 W16-7D, ARROW DOWN LT	I	24	12	2.00																										INSTALL NEW SIGN ON NEW POST, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
STATION 52+75, LT VT 110	 WII-2, PEDESTRIAN CROSSING	I	30	30	6.25						I			X		X		I													INSTALL NEW SIGN ON NEW POST TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
	 W16-7D, ARROW DOWN LT	I	24	12	2.00																										INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGN) TYPE IX RETROREFLECTIVE SHEETING WITH FLUORESCENT YELLOW-GREEN BACKGROUND		STD. 152	
STATION 53+01, LT VT 110	 M3-3, CARDINAL DIRECTION MARKER	I	24	12	2.00						I			X		X		I	I												INSTALL NEW SIGN ON NEW POST		STD. E-136B	
	 STATE ROUTE MARKER	I	30	24	5.00																										INSTALL NEW SIGN ON NEW POST (SUB-MOUNT W/ PREVIOUS SIGN)		STD. E-136B	
	 M6-2R DIRECTION ARROW	I	21	15	2.19																										INSTALL NEW SIGN ON NEW POSTS, (SUB-MOUNT W/ PREVIOUS SIGNS)		STD. E-136B	
STATION 53+04, RT VT 110	 RI-2, YIELD	I	36	36	4.50						I			X	X			I	I												INSTALL NEW SIGN ON NEW POST		STD. E-146	
STATION 53+17, RT VT 110	 RI-2, YIELD	I	36	36	4.50						I			X	X			I													INSTALL NEW SIGN ON NEW POST		STD. E-146	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."												LF	LF	LF	LF	LF	LF		EA 3	LB	LB	LB		LB	LB	LB	LB					PROJECT NAME: BARRE TOWN PROJECT NUMBER: HES 026-1(38)		
												LF	LF	LF	LF	LF	LF			LB				EA.	LB		EA.	EA.	LB		FILE NAME: z04b198tss.dgn PROJECT LEADER: JOSHUA SCHULTZ DESIGNED BY: E. ATKINS/W.WONG TRAFFIC SIGN SUMMARY SHEET 6		PLOT DATE: 1/30/2008 DRAWN BY: WING WONG CHECKED BY: KO ISHKURA SHEET 47 OF 64	
TOTALS					SF 62.38	SF	EA.	SF		LF 117.00	LF 135.00	LB	EA.	LB																				

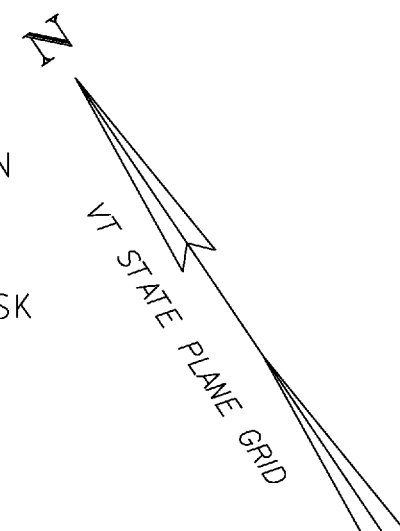
TRAFFIC SIGN SUMMARY SHEET

PROJECT NAME: BARRE TOWN	
PROJECT NUMBER: HES 026-1(38)	
FILE NAME: z04bi98tss.dgn	PLOT DATE: 1/30/2008
PROJECT LEADER: JOSHUA SCHULTZ	DRAWN BY: V. KACOYANNAKIS
DESIGNED BY: J. FORD	CHECKED BY: J. FORD
TRAFFIC SIGN SUMMARY SHEET 7	SHEET 48 OF 64



1. SEE CURRENT VERSION OF MUTCD FOR INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, TRAFFIC CONTROL MISCELLANEOUS DETAILS, BARRICADE DETAILS, DETOURS, DELINEATION AND LONGITUDINAL DROP OFFS, IF APPLICABLE.
2. EXISTING SIGNS SHALL BE COVERED AND / OR REMOVED WHEN NOT APPLICABLE.
3. THE POSTED SPEED LIMIT FOR ALL PHASES SHALL BE 25 M.P.H.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION. PAYMENT FOR FURNISHING, INSTALLING, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNAGE AND FOR TRAFFIC SHIFTING SHALL BE MADE UNDER CONTRACT ITEM 641.10.
6. ALL TEMPORARY PAVEMENT SHALL BE BITUMINOUS CONCRETE PAVEMENT (PG58-34) AND WILL BE PAID UNDER CONTRACT ITEM 406.25 UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL PROVIDE THREE PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

1. PRIOR TO THE COMMENCEMENT OF ANY WORKOR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE THE NECESSARY ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE LATEST VERSION OF MUTCD.
2. INSTALL AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS AND THE VTDEC "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL"
3. THE CONTRACTOR SHALL ENSURE THAT COBBLE HILL ROAD REMAINS ACCESSIBLE AND TRAVERSABLE AT ALL TIMES DURING HOURS OF ACTIVE CONSTRUCTION WORK BY MAINTAINING AT LEAST ONE OPEN LANE AT ANY GIVEN TIME.
4. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL ENSURE THAT COBBLE HILL ROAD IS ACCESSIBLE AND TRAVERSABLE FOR TWO-WAY LOCAL ACCESS BY PROVIDING A MINIMUM OF TWO 10-FOOT LANES.
5. INSTALL ALL WARNING SIGNS AND TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE STANDARD DETAILS AND THE LATEST VERSION OF THE MUTCD.
6. PLACE REFLECTORIZED DRUMS OR OTHER DELINEATED CHANNELIZATION DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN OR AS APPROVED BY THE ENGINEER.
7. CONSTRUCT TEMPORARY LANES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN.
8. CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE DELINEATED WORK ZONE SHOWN ON THIS SHEET. BRING AS MUCH OF THE WORK ZONE TO FINAL SUBBASE ELEVATIONS TO ALLOW FOR THE IMPLEMENTATION OF PHASE 3. BRING AREA TO FINAL SUBBASE ELEVATIONS IN STAGES TO ENSURE EMERGENCY RESPONSE VEHICLE ACCESS. MAXIMUM ALLOWABLE STABILIZED FILL SLOPES TO EXISTING GRADE SHALL BE 1H TO 1V.
9. PAVE PORTIONS OF THE WORK ZONE THAT ARE AT FINAL SUBBASE ELEVATIONS TO ALLOW FOR IMPLEMENTATION OF PHASE 3. PAVE WITH ONE 4-INCH LIFT OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE 1S, PG58-34) IN ACCORDANCE WITH THE TYPICAL DETAILS. MATCH TO EXISTING PAVEMENTS AT US ROUTE 302 EAST AND WEST AND COBBLE HILL ROAD.
10. PLACE TEMPORARY MARKINGS TO FACILITATE WORK UNDER PHASE 3.
11. INSTALL ARROW PANELS AS SHOWN.



TRAFFIC MANAGEMENT PLAN PHASE 2

PROJECT NAME:	BARRE TOWN
PROJECT NUMBER:	HES 026-1(38)

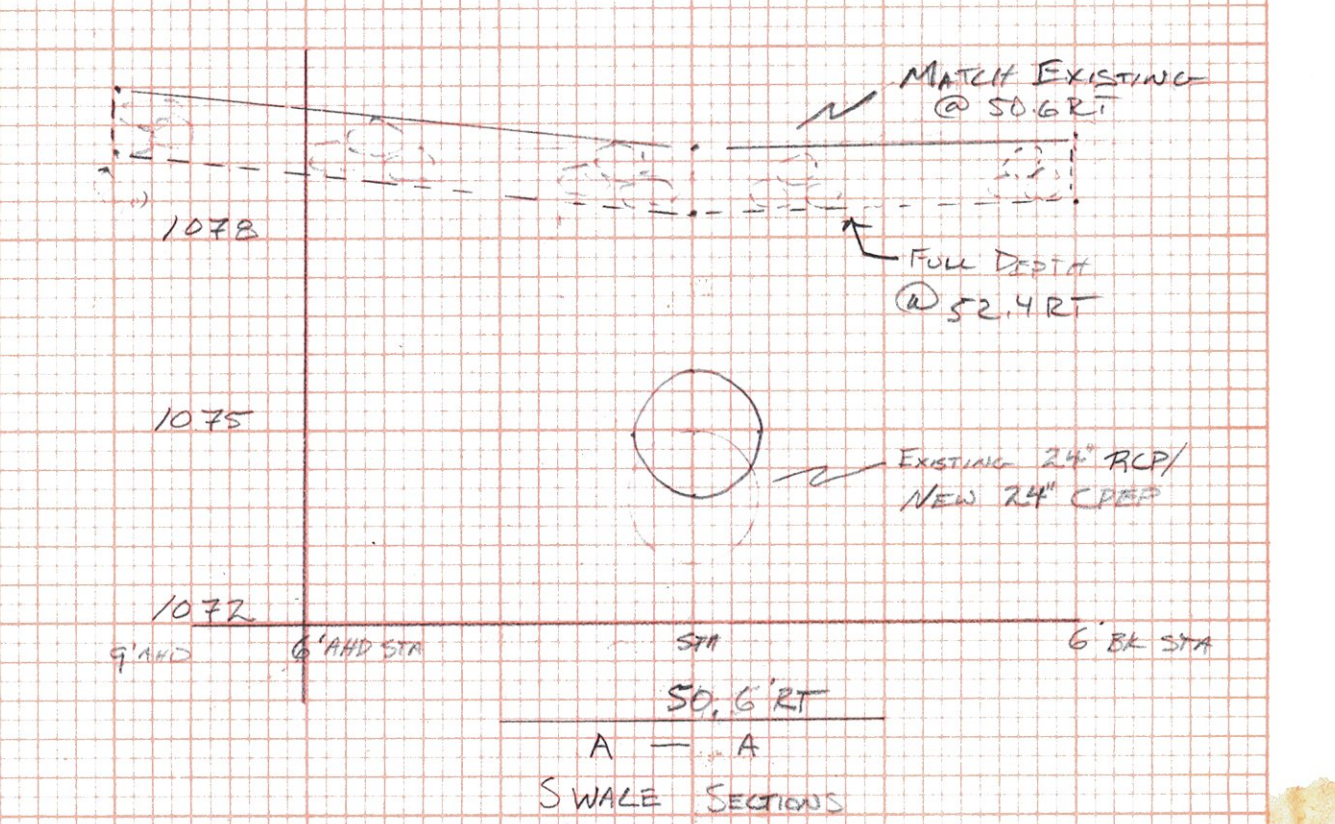
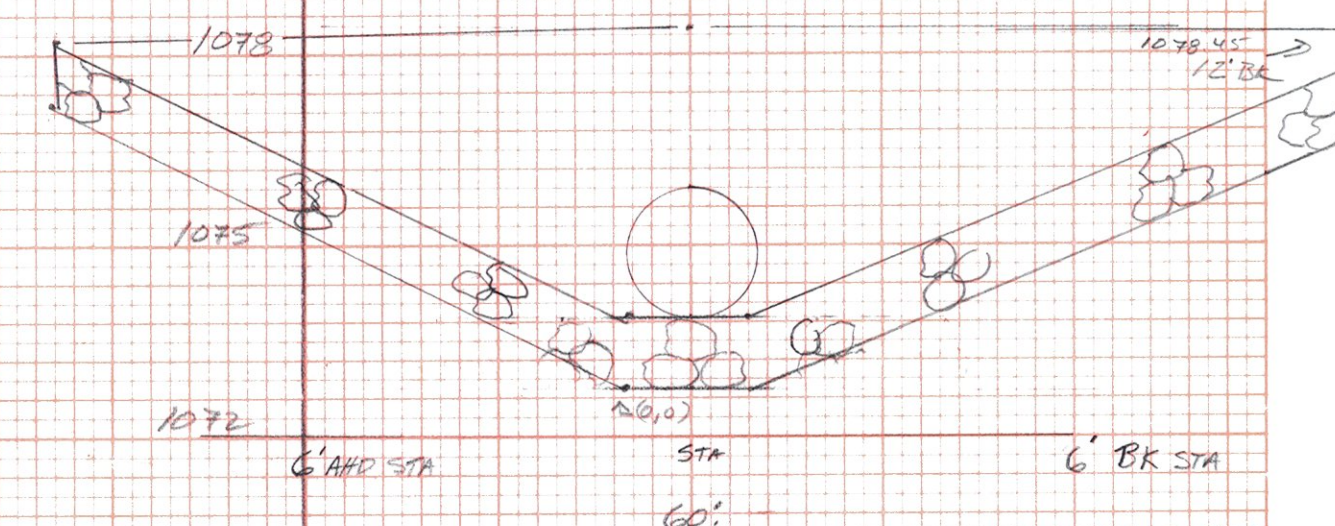
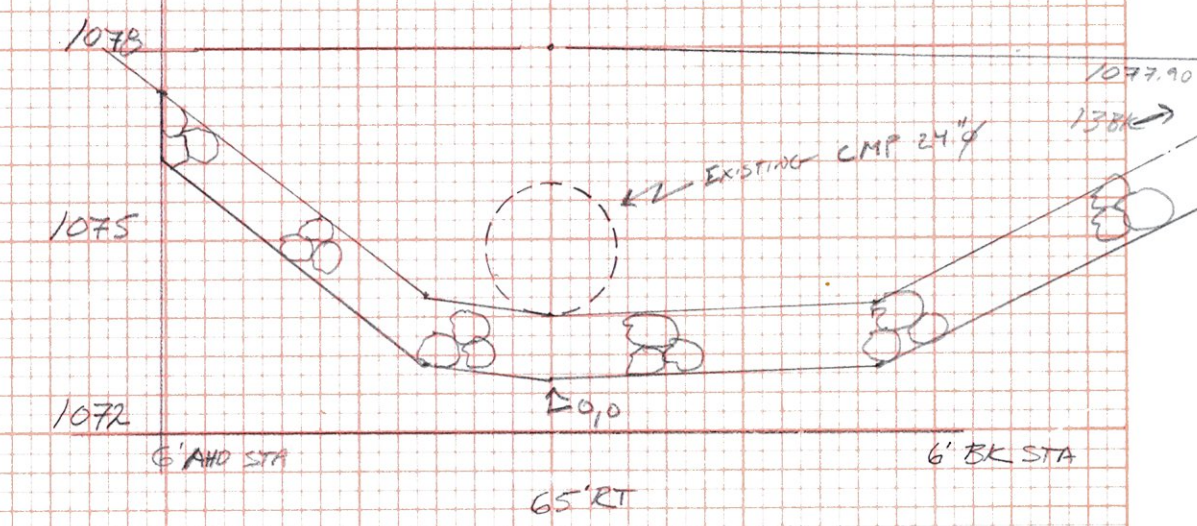
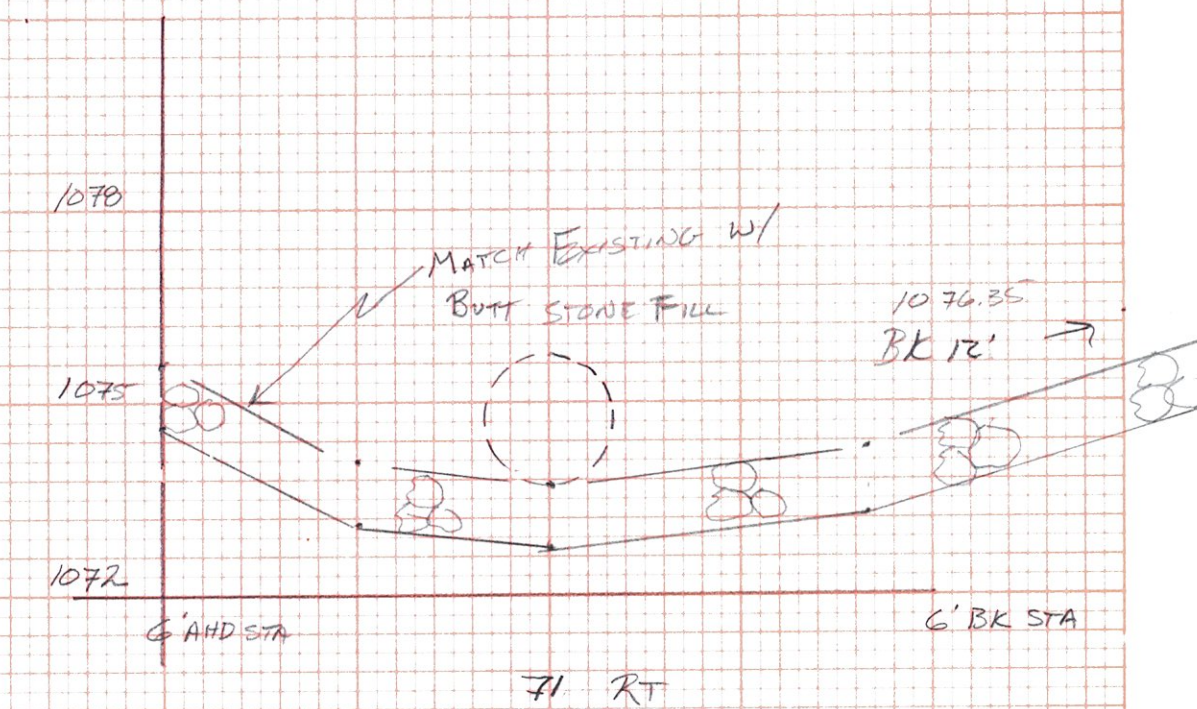
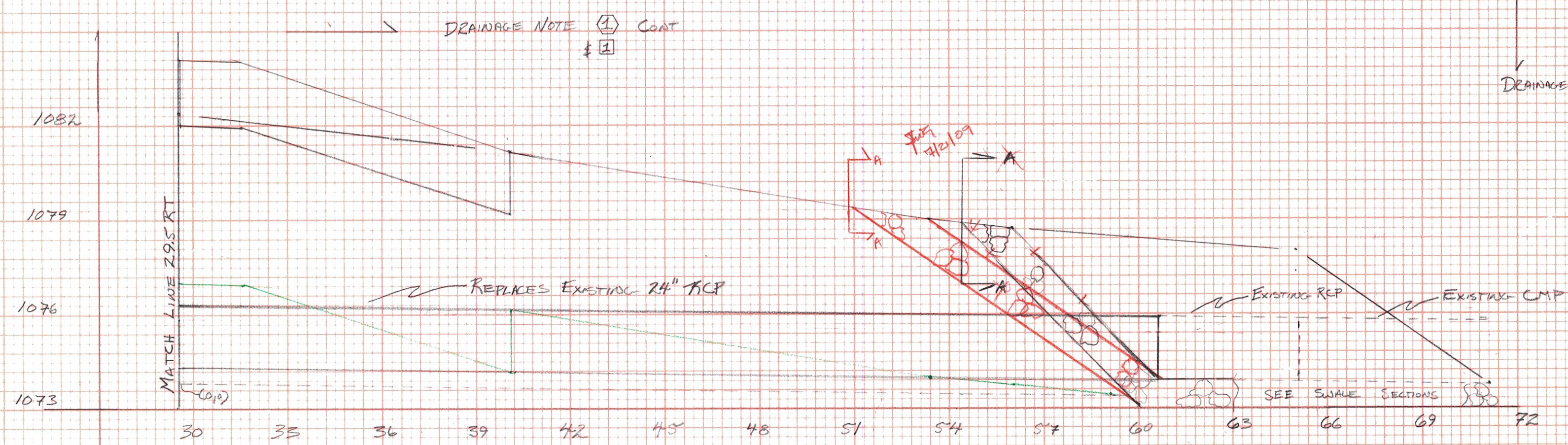
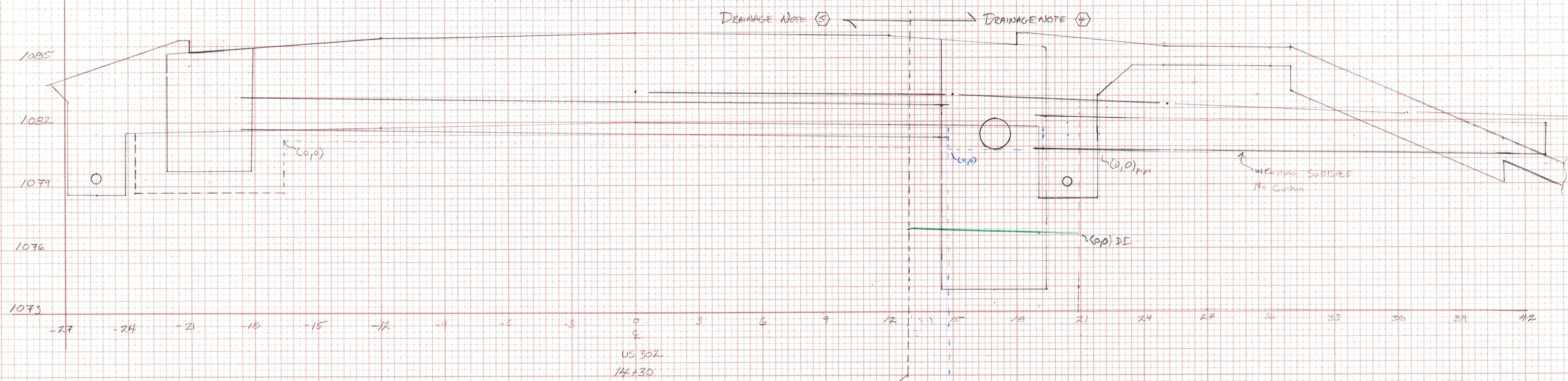
FILE NAME: z04b198+mpbdr.dgn
PROJECT LEADER: JOSHUA SCHULTZ
DESIGNED BY: ERIK ATKINS
WING WONG

PLOT DATE: 1/30/2008
DRAWN BY: WING WONG
CHECKED BY: KO ISHIKURA
SHEET 53 OF 64

DATUM	
VERTICAL	<u>NAVD 88</u>
HORIZONTAL	<u>NAD 83 (1996)</u>

FINAL
DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
NO. AREAS CHECKED

ORIGINAL
DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
NO. AREAS CHECKED



BARGE TOWNS HES 006-1 (28)

DRAINAGE SECTIONS

SCALE: 1" = 3'

DRAWN: [Signature]

DATE: 12/2/2000

CED:

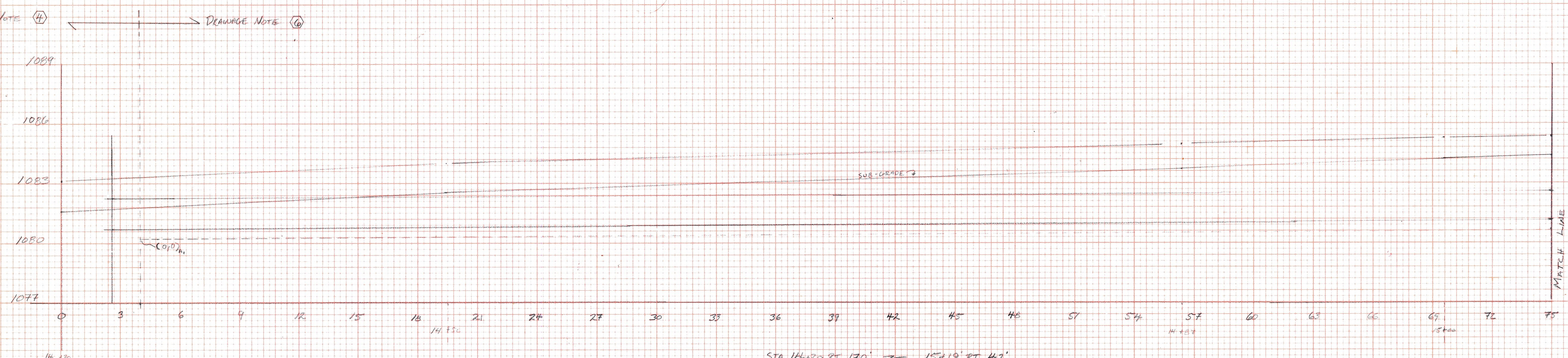
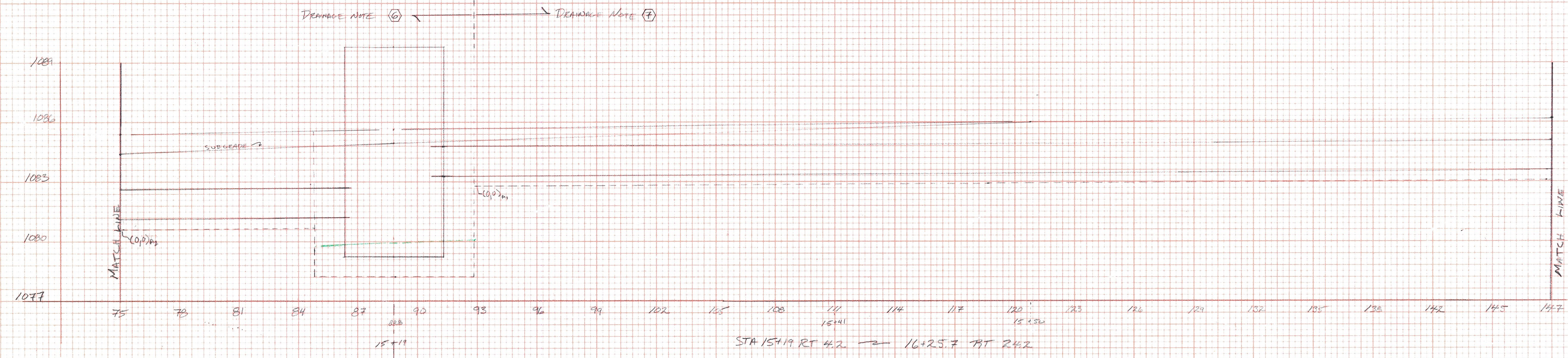
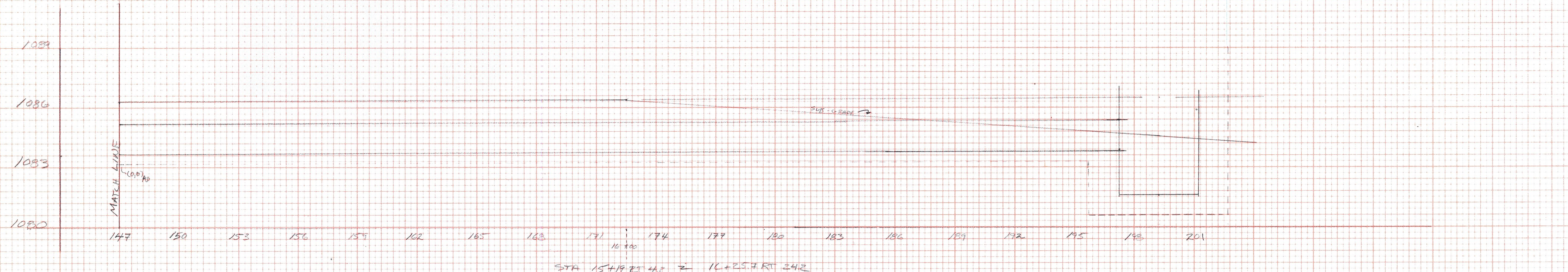
DATE:

SHEET 1

OF 6

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	REPLATE	
NO.	AREAS CHECKED	

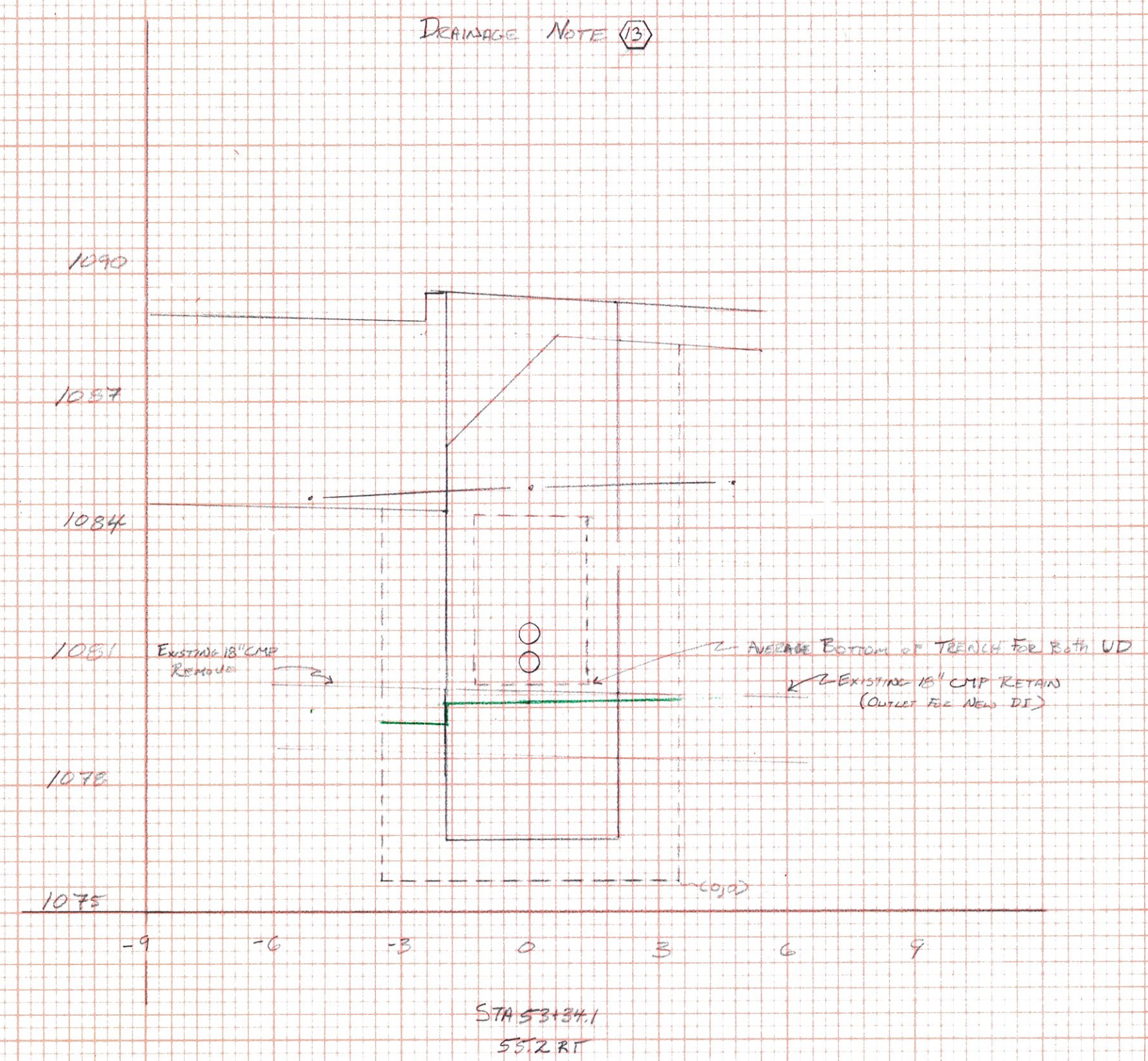
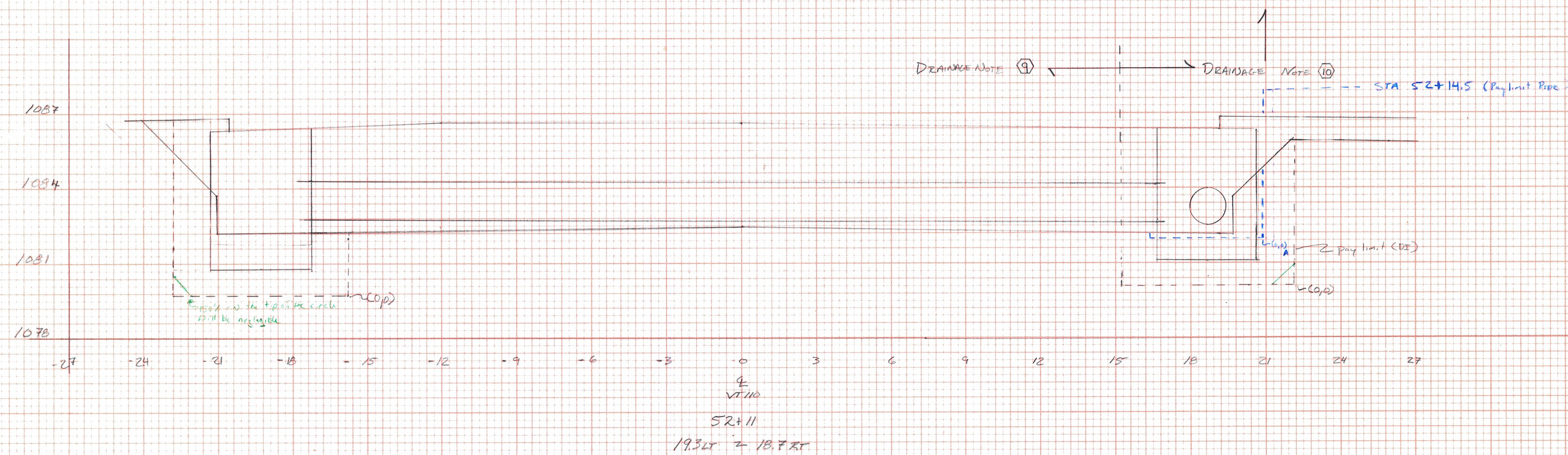
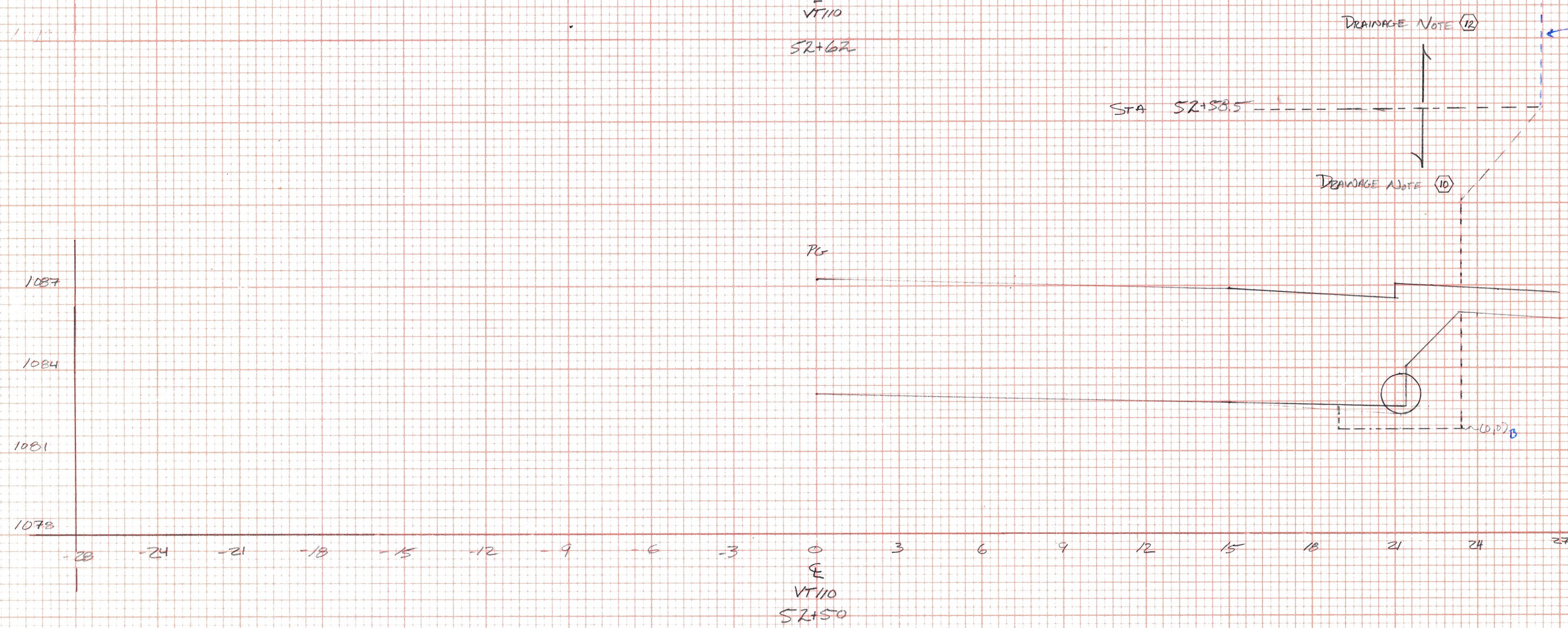
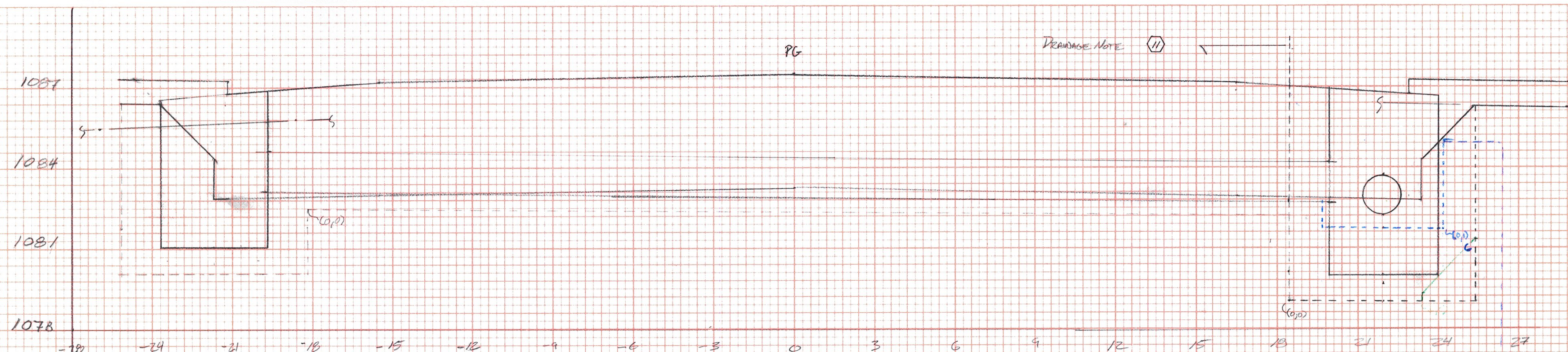
ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	REPLATE	
NO.	AREAS CHECKED	



BARRE TOWN HES. ORG-1 (38)
DRAINAGE SECTION
SCALE: 1"=3'
DWN: SMR
CAD: DATE: 12/10/2008
SHEET: 2 OF 6

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREA CHECKED	

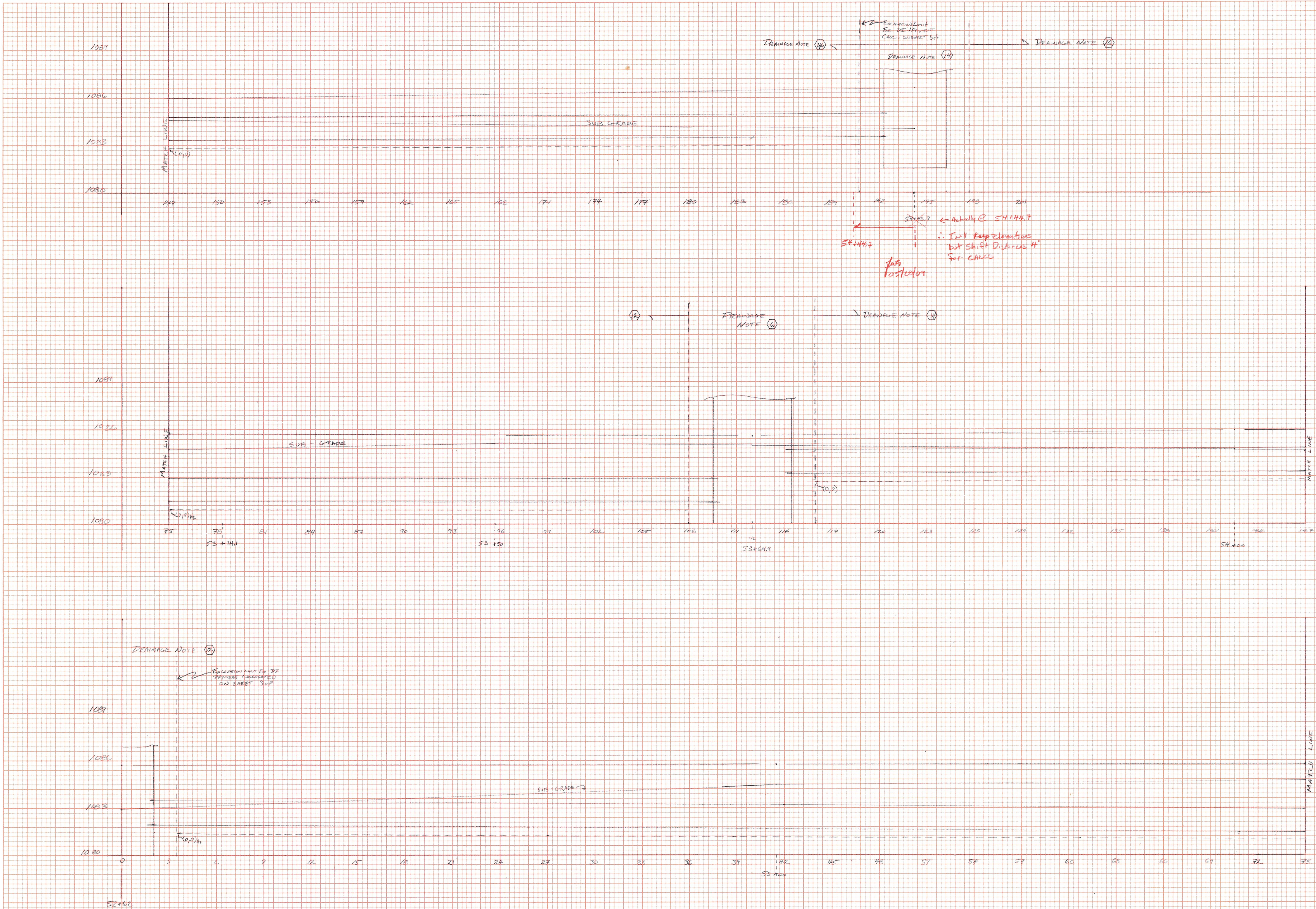
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SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREA CHECKED	



THREE TOWNS HES 026-1 (2A)
 DRAINAGE SECTIONS
 SCALE: 1"=3'
 DRAWN: JMK
 CHECKED: JMK
 DATE: 12/1/2004
 PAGE:
 SHEET 3 OF 6

FINAL SURVEY	DATE	BY
	SURVEYED	PLOTTED
	NOTE BOOK	NO.
	AREAS	CHECKED

ORIGINAL SURVEY	DATE	BY
	SURVEYED	PLOTTED
	NOTE BOOK	NO.
	AREAS	CHECKED



BREE TOWNS HES ORG-1 (10)

DRAINAGE SETTINGS

SCALE 1" = 3'

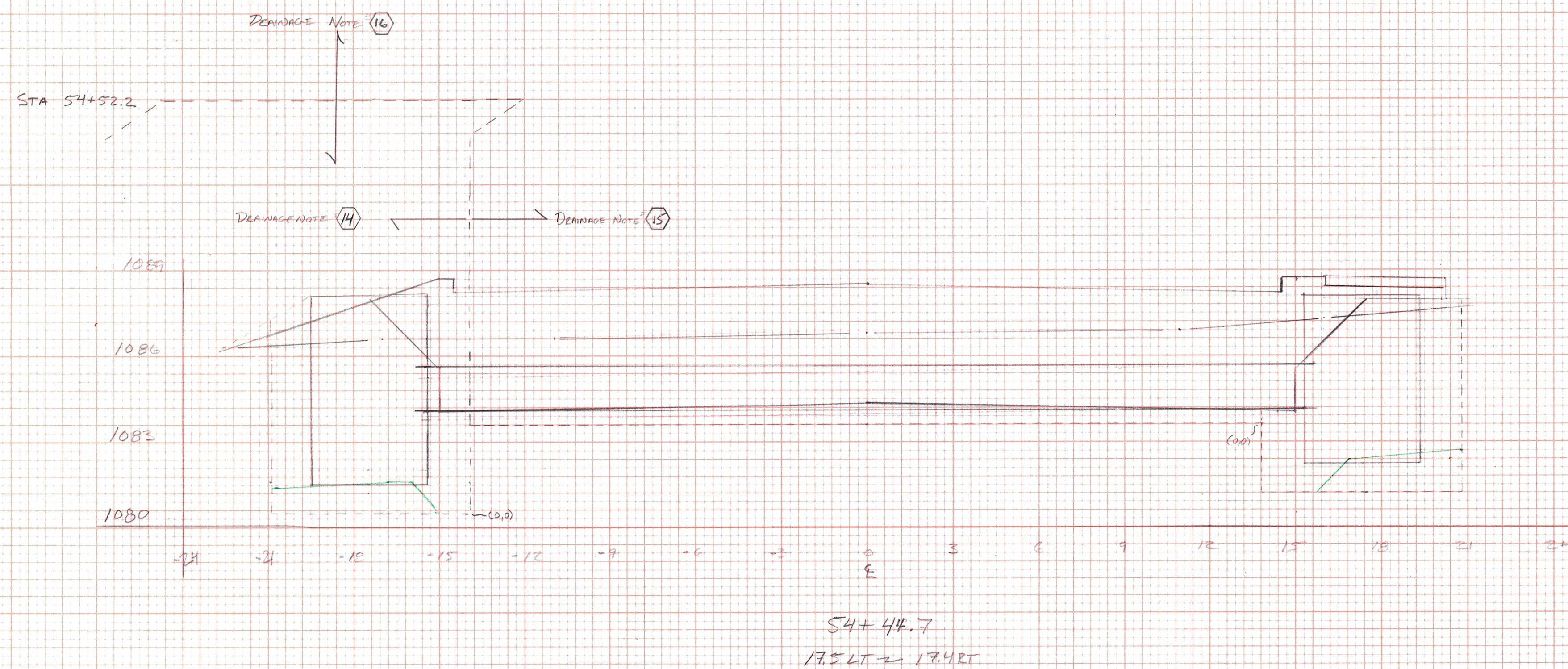
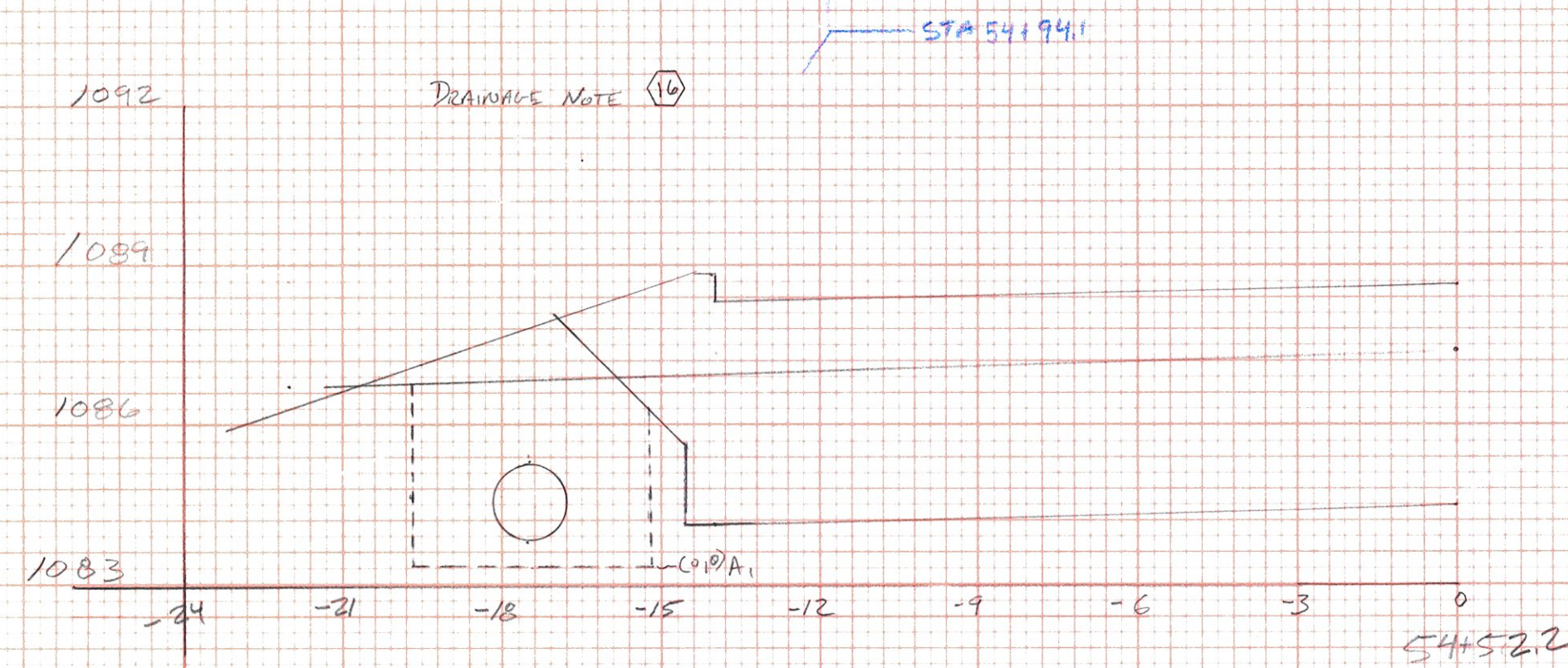
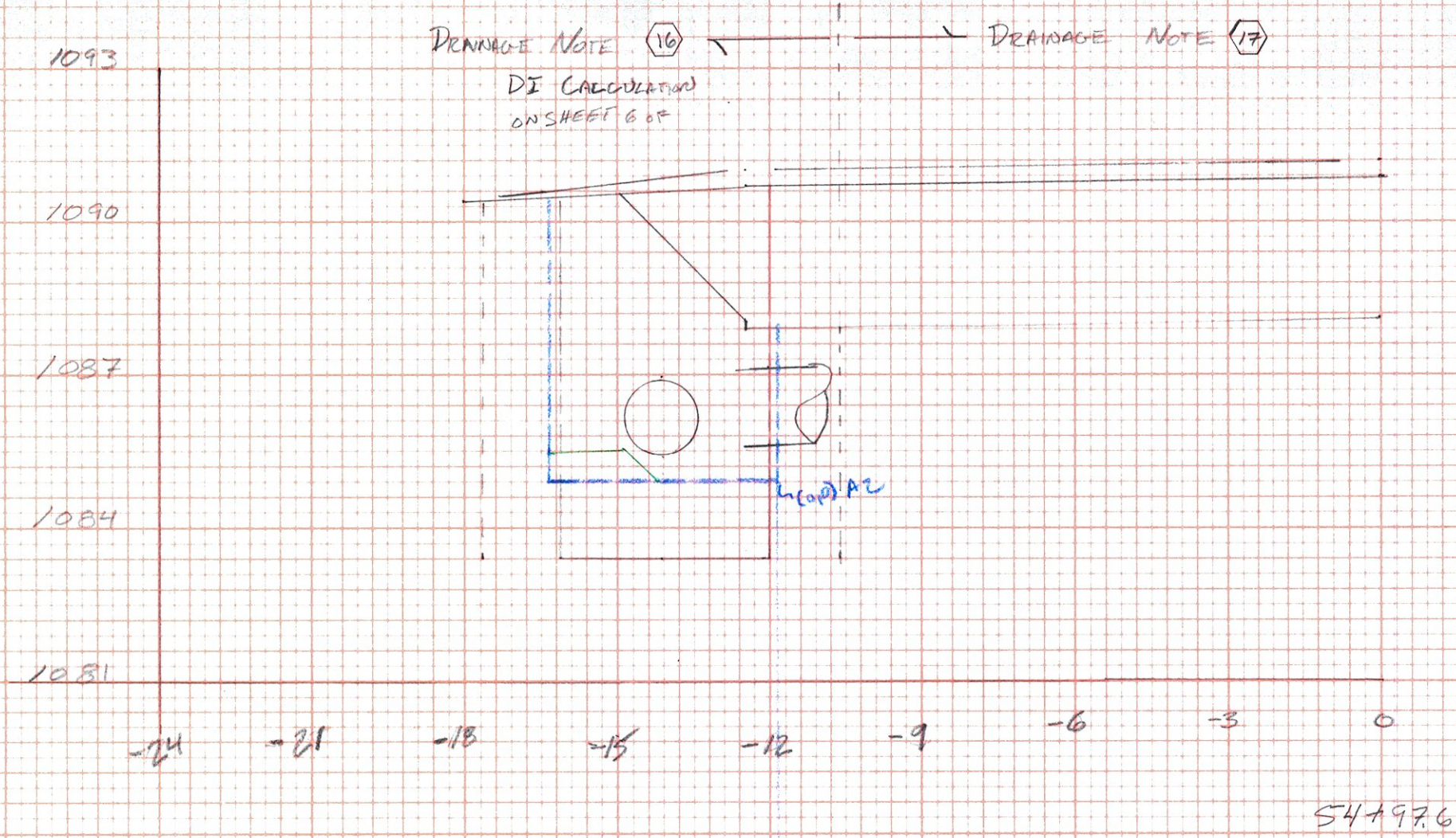
DATE 12/10/2008

DATE

SHEET 4 OF 6

FINAL SURVEY	DATE	
	BY	
	SURVEYED	
	PLOTTED	
	NOTE BOOK	DATE
	NO.	AREAS CHECKED

ORIGINAL SURVEY	DATE	
	BY	
	SURVEYED	
	PLOTTED	
	NOTE BOOK	DATE
	NO.	AREAS CHECKED



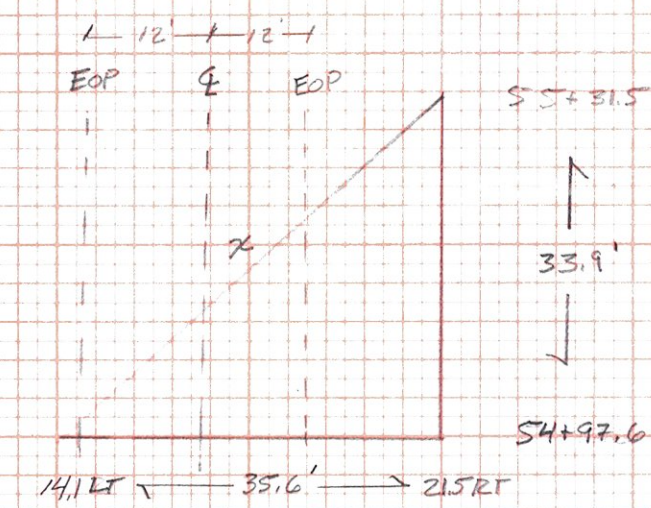
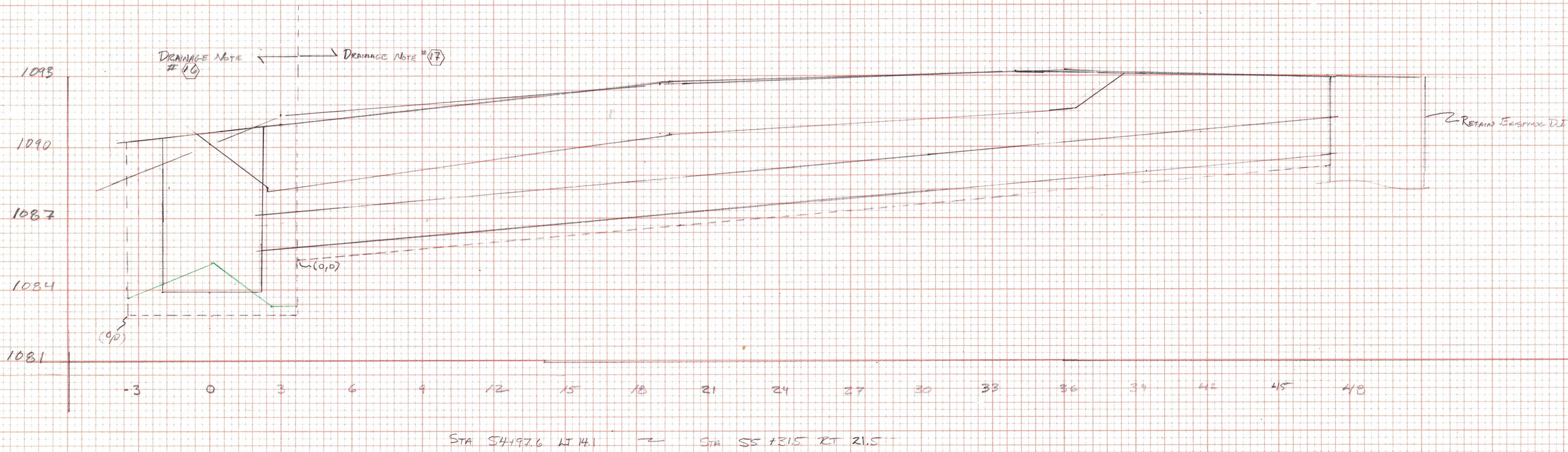
PAGE TWO HES-ORG-1(13)
DRAINAGE SECTIONS

SCALE:
DRAWN: JAR
CHKD:
DATE: 12/10/2010
DATE:

SHEET: 5 OF 6

FINAL	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	AREAS CHECKED

ORIGINAL	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	AREAS CHECKED



$$X = \sqrt{33.9^2 + 33.1^2} = 49.2'$$

$$L STA = \frac{141}{356} \times 33.9' + (54+97.6) = 55+11$$

$$LT EOP = \frac{21}{356} \times 33.9' + (54+97.6) = 54+97.6$$

$$RT EOP = \frac{261}{356} \times 33.9' + (54+97.6) = 55+22.5$$

$$FG MH = 1080.9 + 141 \times 0.002 = 1090.6$$

$$FG EOP = 1091.1 + 120 \times 0.003 = 1090.9$$

$$FC = 1092.2$$

$$FG EOP = 1092.2 + \left(\frac{120}{22.5-11} \right) \left(\frac{12}{12} \right) \times 0.002 = 1093.1$$

BARRE TOWN HES. ORG-1(38)

DRAINAGE SECTIONS

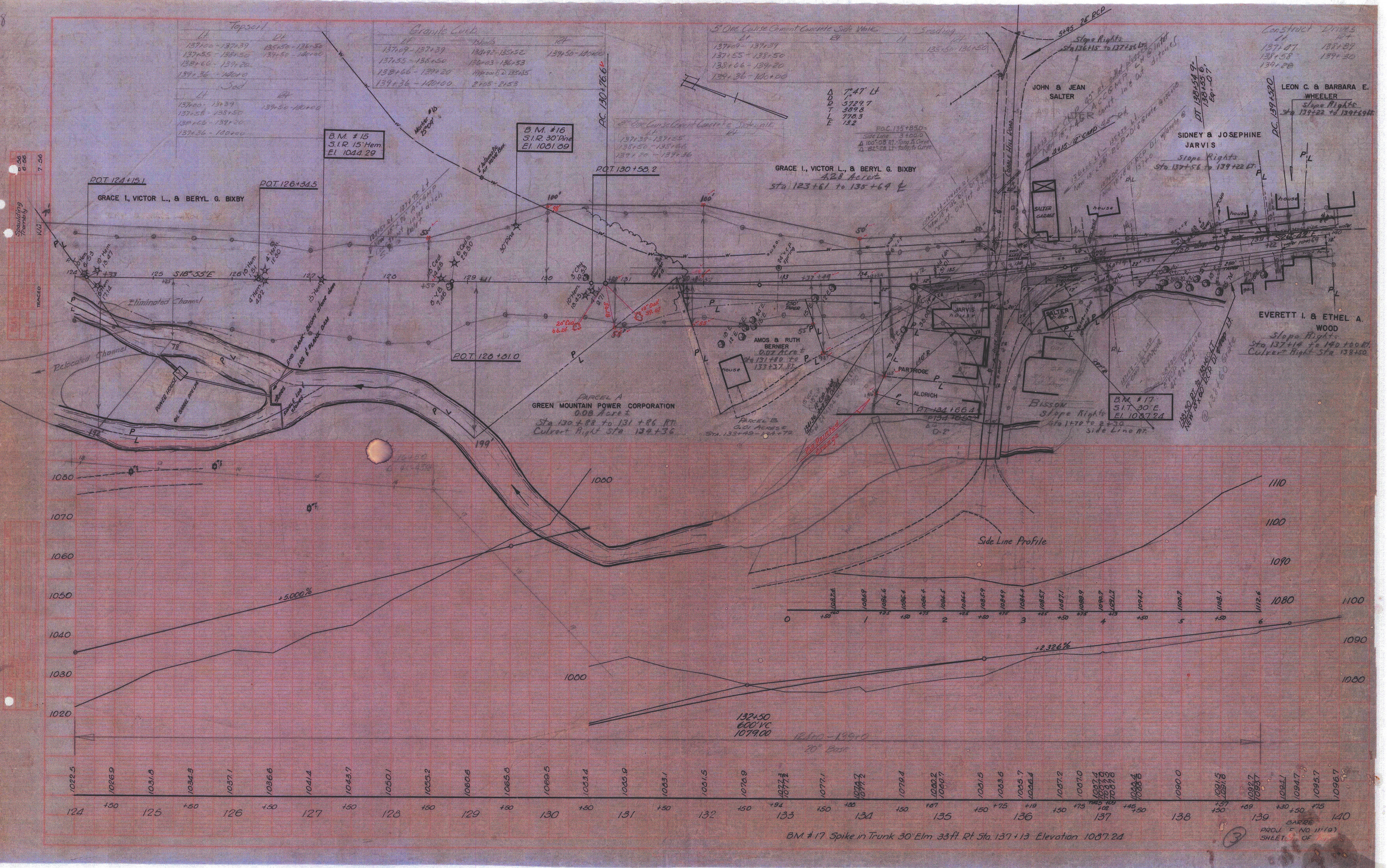
SCALE: 1" = 3'

DWN: JMC DATE: 12/11/2008

CLD: DATE:

SHEET 6 OF 6

21 2- 5 24





Construct Elevations

135.00	at
136.00	at
137.00	at
138.00	at
139.00	at
140.00	at

Item	Quantities Description	Quantity Unit
101-B	Solid Rock Excav.	91 cu
102	Structure Excav.	40 cu
220	Gravel Backfill	29 bin
301-B	Bituminous Conc. Pavement (Mod.)	100 cu
401-B	Concrete Class "B" (Mod.)	20730 lbs.
402	Reinft. Steel	20 3/4
403	Asphaltic Asbestos Coating	9 cu
411	Cement Rubble Masonry	28 ft
550	Granite Bridge Curb	88 ft
572	Bridge Railing (Aluminum Only)	1 ft
574	Prep. Superstructure for Wharfing	1 ft

SCALE 1"=20'

Noted: 1. The project is to be completed by 11/1/2020.
 2. The project is to be completed by 11/1/2020.
 3. The project is to be completed by 11/1/2020.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

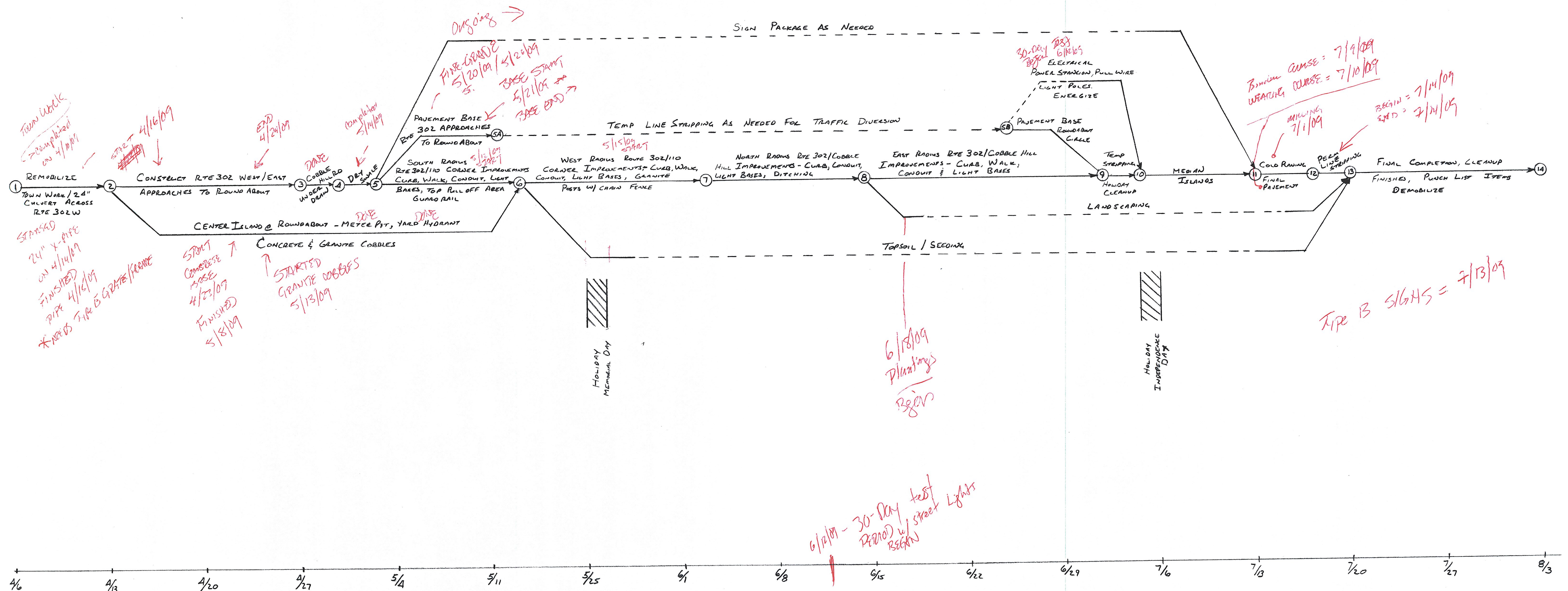
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2009 SCHEDULE

Substantial Completion
ISSUED: 7/17/09
Final Inspection: 7/23/09

BARRE ROUNDABOUT
EAST BARRE, VERMONT
VTTRANS PROJECT "BARRE HES 026-1(38)"
CONTROLLER: J. HUTCHINS, INC.
PREPARED BY: J. CHRISTIAN 4/2/09
COMPLETION SCHEDULE
SPRING / SUMMER 2009

REC'D 4/3/09
DATA
N.W. RCO

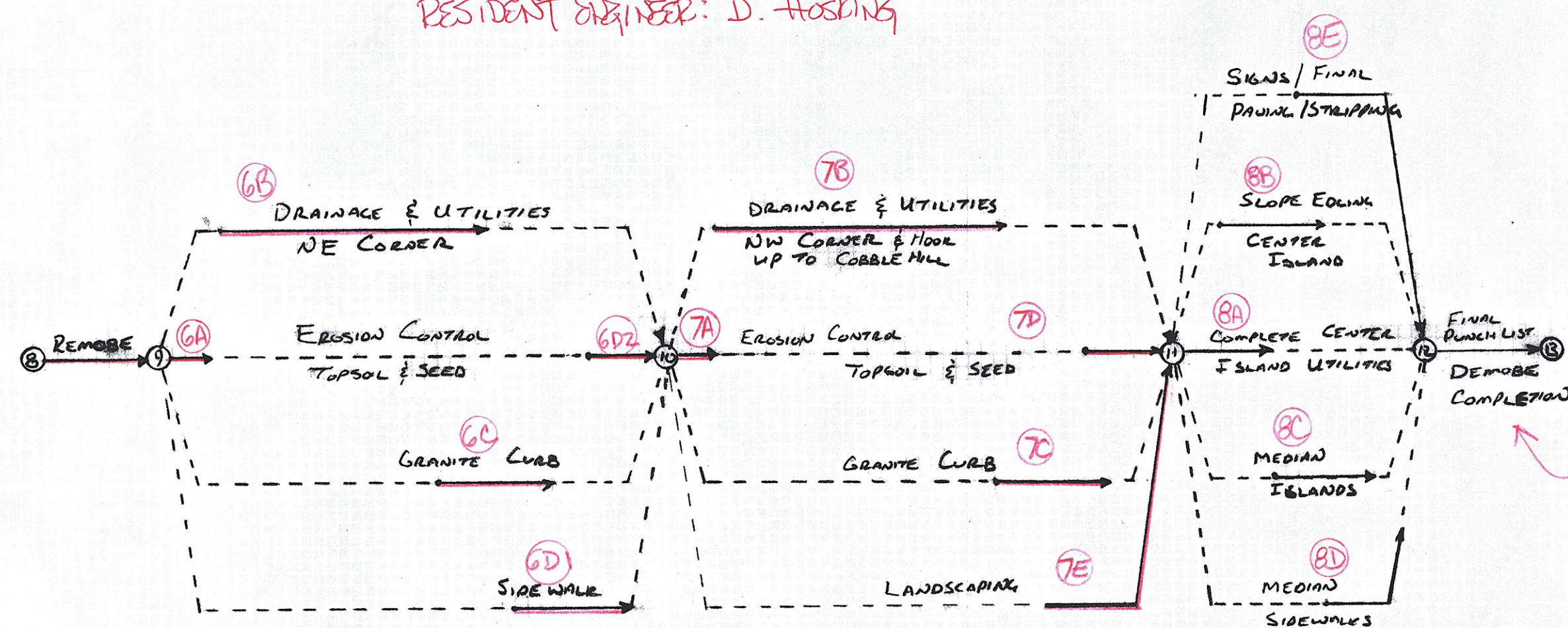


BARRE TOWN RES 026-1(38)

CONSTRUCTION SEQUENCING PLAN - 2009 SEASON

SUBMITTED BY: J. Hutchins Inc., - BIRMINGHAM, VT.

RESIDENT ENGINEER: D. HOSKINS

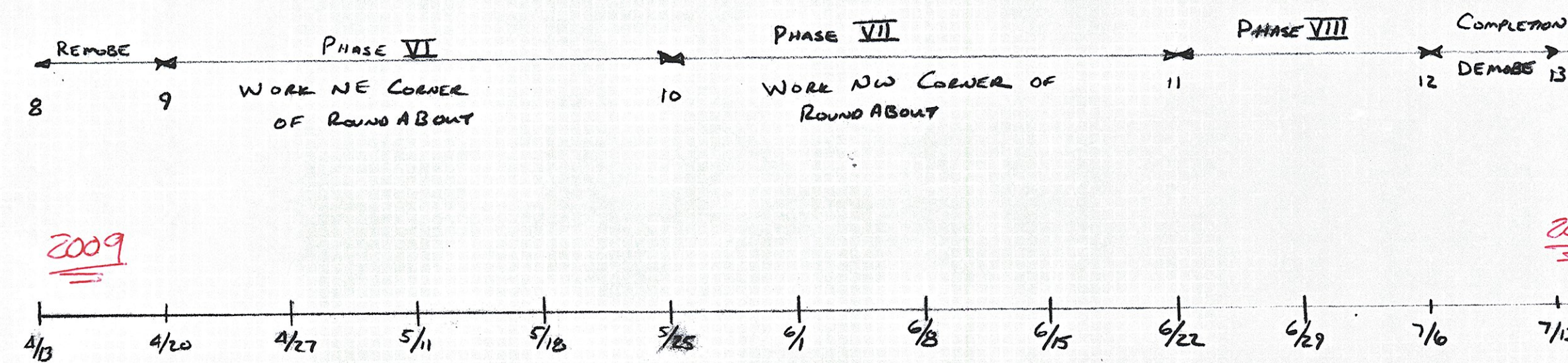


RECEIVED
6-14-09
H.E. PCO
P.C.C.

Contract Completion
DATE: OCTOBER 16, 2009

LIQUIDATED DAMAGES = \$1,100/day Post 10/16/09

* MAINTENANCE / WARRANTY PERIOD ON LANDSCAPING??



BARRE TOWN HES 026-1(38)
 CONSTRUCTION SEQUENCING PLAN - 2008 SEASON
 SUBMITTED BY: J. HUTCHINS, INC. - RICHMOND, VT.
 RESIDENT ENGINEER: D. HOSKING

RECEIVED
 6-14-08
 H.E. RCO
 R.C.C.

