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SHARON LSI 89-1(1)
RECORD PLANS
MATERIALS

BITUMINOUS CONCRETE PAVEMENT—L.M. PIKE & SON, INC.—W. LEBANON, N.H.
SEWAGE DISTRIBUTION BOX—ADAMS MCNICHOL & MELEN, INC.—WHITE R. JCT, VT.
CAST IRON SOIL PIPE—UNITED STATES PIPE & FOUNDRY CO.—CHATTANOOGA, TENN.
SEED—AGWAY, INC.—WHITE RIVER JUNCTION, VT.

CONTRACTOR
CLIFFORDS LOAM & GRAVEL
W. HARTFORD, VT.
RES. ENG.—RODERICK MACLAY
RECORD PLANS—A.G. SPIDLE

CONTRACT
DATED—JUNE 6, 1972.
STARTED—JUNE 8, 1972.
COMPLETED—AUGUST 25, 1972.
ACCEPTED—AUGUST 25, 1972.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

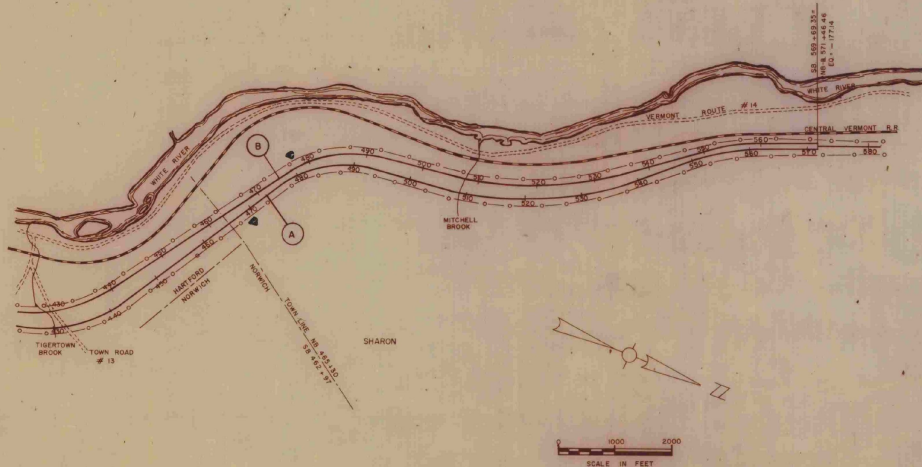
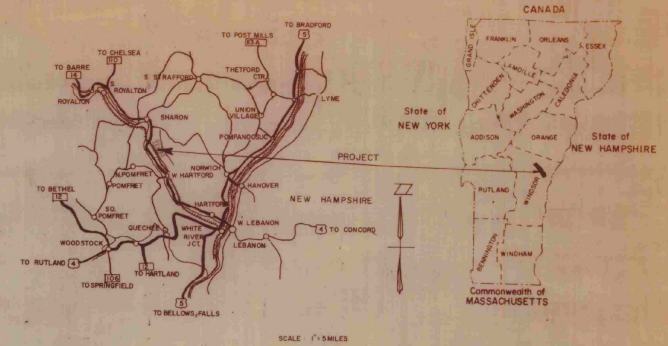


PROPOSED IMPROVEMENT
SHARON

HARTFORD — ROYALTON ROAD I 89

- A - N.B. BEGINNING AT A POINT 0.098 MILES NORTHERLY OF THE HARTFORD-SHARON TOWN LINE AND EXTENDING NORTHERLY 0.095 MILES.
- B - S.B. BEGINNING AT A POINT 0.207 MILES NORTHERLY OF THE HARTFORD-SHARON TOWN LINE AND EXTENDING NORTHERLY 0.057 MILES.

1970 ADT	4380
EST. 1990 ADT	9830
EST. 1990 DHV	1460
D	57% S.B.
T	7%



CONVENTIONAL SIGNS

- COUNTY LINE
- TOWN LINE
- LIMITS OF ACCESS
- POINT OF ACCESS
- FENCE LINE
- STONE WALL
- TRAVELED WAY
- GUARD RAIL
- RAILROAD
- SURVEY LINE
- CULVERT
- POWER POLE
- TELEPHONE POLE
- TREES
- F.A. CONST IDENTIFICATION SIGNS
- PROPERTY LINE
- R.O.W. TAKING LINE
- SLOPE RIGHTS
- TOP OF CUT
- TOE OF SLOPE

SHARON LSI 89-1(1)
RECORD PLANS
MATERIALS
CONTRACTOR—CLIFFORDS LOAM & GRAVEL
W. HARTFORD, VT.
RES. ENG.—RODERICK MACLAY
RECORD PLANS—A.G. SPIDLE
CONST. COMPLETED—AUGUST 25, 1972.

NOTES: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES SHOULD BE OBTAINED FROM THE FIELD OFFICE BY THE FIELD ENGINEER OR THE DISTRICT ENGINEER.

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 3, 1972, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, DECEMBER 28, 1971, FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED: *R.O. Munn* DATE *Apr 3 '72*
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ENGINEER

PROJECT SHARON NO. LSI 89-1(1)

SHEET 1 OF 16 SHEETS

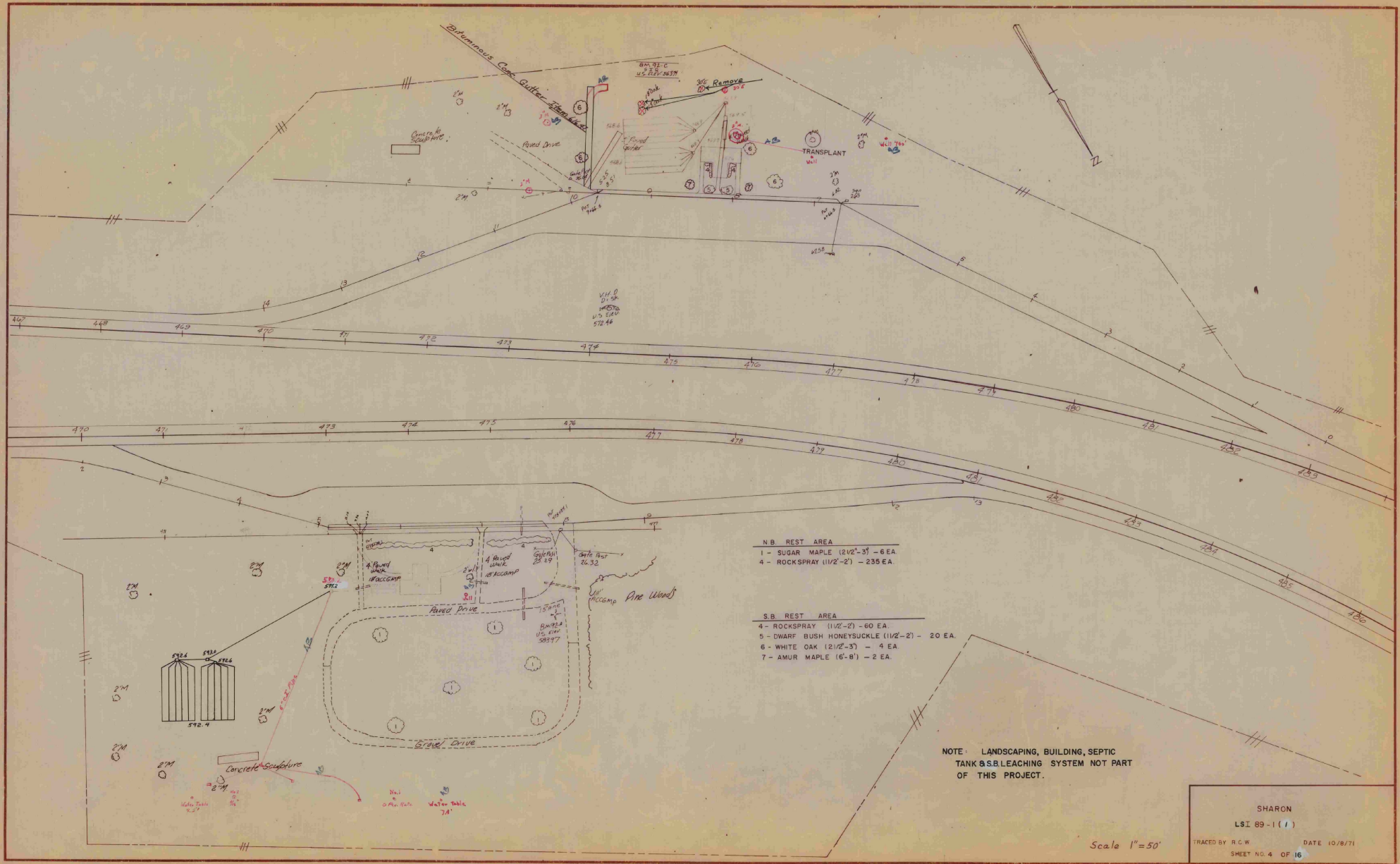
DRAINAGE AND ITEM QUANTITY SHEET

STATE OF VERMONT
PROJECT

DEPARTMENT OF HIGHWAYS
NO.

APPROXIMATE SUMMARY OF QUANTITIES					DETAILED SUMMARY OF QUANTITIES		DRAINAGE STRUCTURES												
GRAND TOTAL	UNIT	ITEM	Round	ITEM NO.	QUANTITY	UNIT	ITEM	STA	TYPE		TRENCH		EXCAV	RELAY	ASKEW	DITCHES		REMARKS	
									IN	OUT	EARTH	ROCK	PIPE	LT	RT	IN	OUT		
3	Ea	Removing Small Trees		2015															
850	Cy	Common Excavation		1320315															
3950	Cy	Earth Borrow		4520330															
4000	Cy	Granular Borrow		2920335															
350	Cy	Trench Excavation of Earth		1120420															
120	Cy	Gravel Backfill for Structures		520430															
1800	Cyml	Overhaul		32640															
220	Lf	6" Cast Iron Soil Pipe, Extra Heavy		860494															
1040	Lf	4" Perf. Bitum. Fiber Underdrain		860505															
13	Ton	Biluminous Concrete Surface for Gutter		5647															
70	Lb	Seed		106510															
2	Ton	Hay Mulch		55125															
1	Ea	Transplanting Deciduous Trees		55675															
3	Ea	Seepage Distribution Box		55925															

TYPE OF CONSTRUCTION:					LENGTH OF PROJECT					
STATIONS FROM	TO	PAVEMENT WIDTHS	EQUATIONS +	-	REMARKS	STA	STA	FEET	MILES	REMARKS



- N.B. REST AREA**
- 1 - SUGAR MAPLE (1 1/2'-3') - 6 EA.
 - 4 - ROCKSPRAY (1 1/2'-2') - 235 EA.

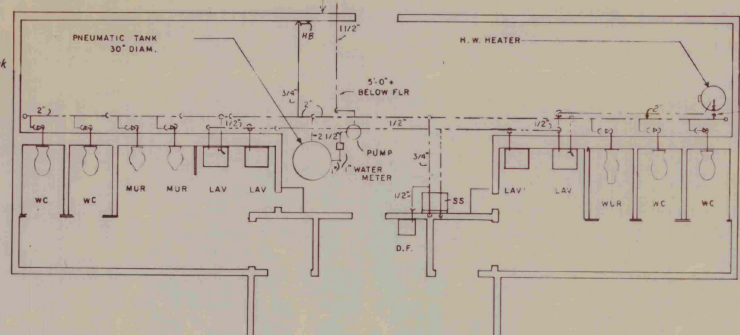
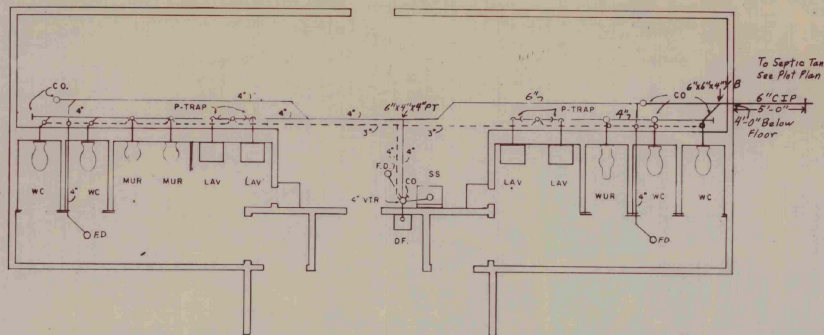
- S.B. REST AREA**
- 4 - ROCKSPRAY (1 1/2'-2') - 60 EA.
 - 5 - DWARF BUSH HONEYSUCKLE (1 1/2'-2') - 20 EA.
 - 6 - WHITE OAK (2 1/2'-3') - 4 EA.
 - 7 - AMUR MAPLE (6'-8') - 2 EA.

NOTE: LANDSCAPING, BUILDING, SEPTIC TANK & S.B. LEACHING SYSTEM NOT PART OF THIS PROJECT.

SHARON
LSI 89-1(1)

TRACED BY R.C.W. DATE 10/8/71
SHEET NO. 4 OF 16

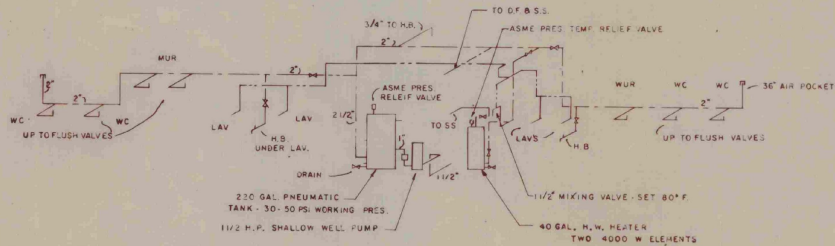
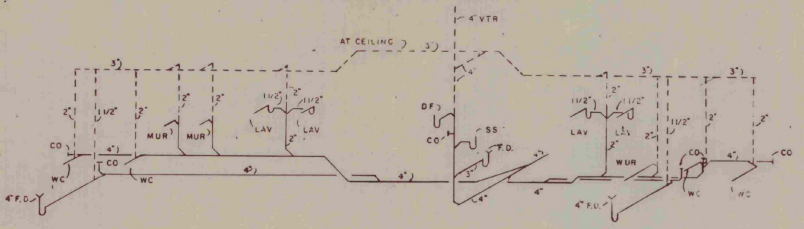
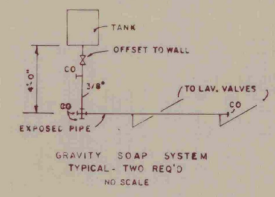
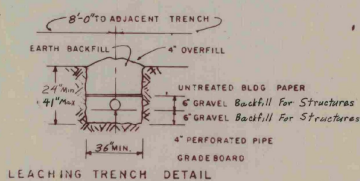
Scale 1"=50'



LEGEND

SOIL & WASTE
 VENT
 COLD WATER
 HOT WATER
 CLEANOUT
 HOSE HIBB

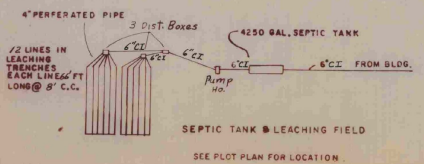
C.O.
 H.B.



RIDER DIAGRAM
 SOIL & WASTE
 NO SCALE

SEWAGE DISPOSAL

RIDER DIAGRAM
 WATER
 NO SCALE



SEPTIC TANK & LEACHING FIELD
 SEE PLOT PLAN FOR LOCATION

PERCOLATION RATE	16 MIN/INCH	80 MIN/INCH
ALLOWABLE APPLICATION RATE	1.27 GAL./DAY/SF	220 GAL./DAY/SF
SEWAGE FLOW	3000 G.P.D.	1500 G.P.D.
LEACHING AREA	2376 SF	5,000 SF
LENGTH OF 3\"/>		
LEACHING LINES - NO. & LENGTH	12 @ 66 FT	6,600 FT
NO. OF DISTR. BOXES	3	
SEPTIC TANK SIZE	4250 GAL. (16' x 29' - 10")	

Northbound Rest Area
ROADSIDE REST FACILITIES
 PLUMBING (GEC-4B-004, M-1)

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

PROJECT Sharon N° LSE89-1(1)
 SCALE: 1/4"=1'-0" SHEET 5 OF 16

580

470+00

ZERO QUANTITIES 472+00

Zero 472+00 LB

580

471+50

Station	Dist.	Area	Vol.
470+83	20	0	70 ✓
471+00	50'	189	281 ✓
471+50	50'	115	106 ✓
472+02	0	0	45 ✓
Total			457 ✓

468
7-28-72

580

471+00

AB

272
C=200
1-0

4" PERC. PIPE

C=115
1-80

Zero Cut 470+80 LB

580

470+50

ZERO CUT 470+50

Northbound Rest Area
 470+50 472+00
 STA. 470+50
 PLAN 59-11
 11 OF 15
 Fontana Nov 1971

DOT (PLAN NO. 7-21-72)
PLAN 7-21-72

590

473+50

C1128
F-11

Septic Tank (Not part
of This Project)

580

473+40

ZERO QUANTITIES 473+40

590

473+00

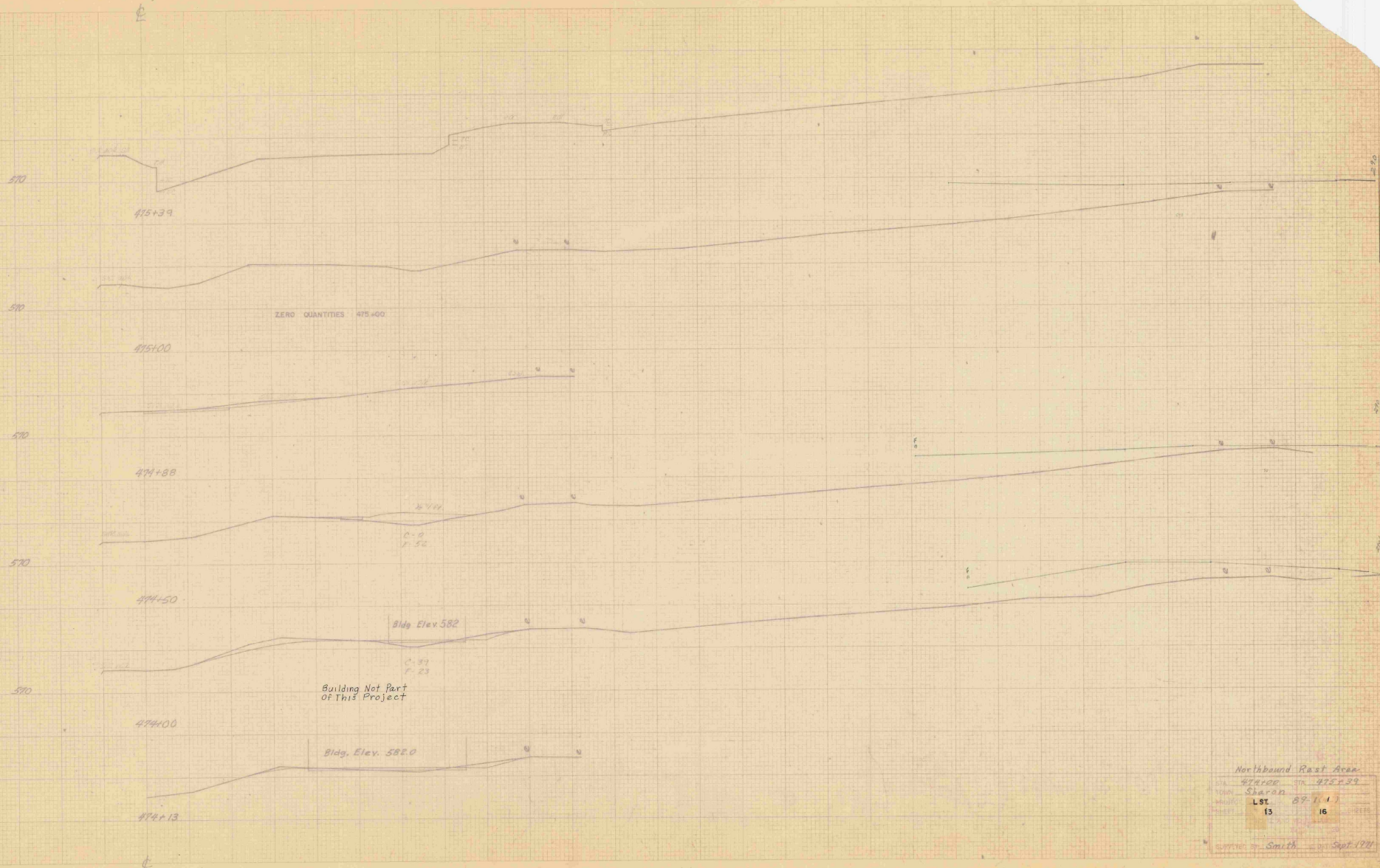
Begin 6" Cast
Iron Soil Pipe

Pump House (Not part
of This Project)

590

472+50

Northwood Rest Area
 Sta 482+50 483+50
 1055 Sharon
 1200 LSI 89-11(1)
 12 16
 Smith Sept. 1977



ZERO QUANTITIES 475+00

Bldg Elev 582

Building Not Part of This Project

C-37
F-23

Bldg. Elev. 582.0

Northbound Rest Area
 STA 471.00 TO STA 475.39
 Town Sharon
 LST 89-1.1
 15 16
 Surveyed by Smith Sept 1971

E

570



476+00

570



475+84

570



475+50

E

Northbound Rest Area
 STA. 475+50 TO 476+00
 WORK SHEET
 PROJECT LST 87111
 SHEET 14 OF 16
 DRAWN BY Smith Sept. 1971

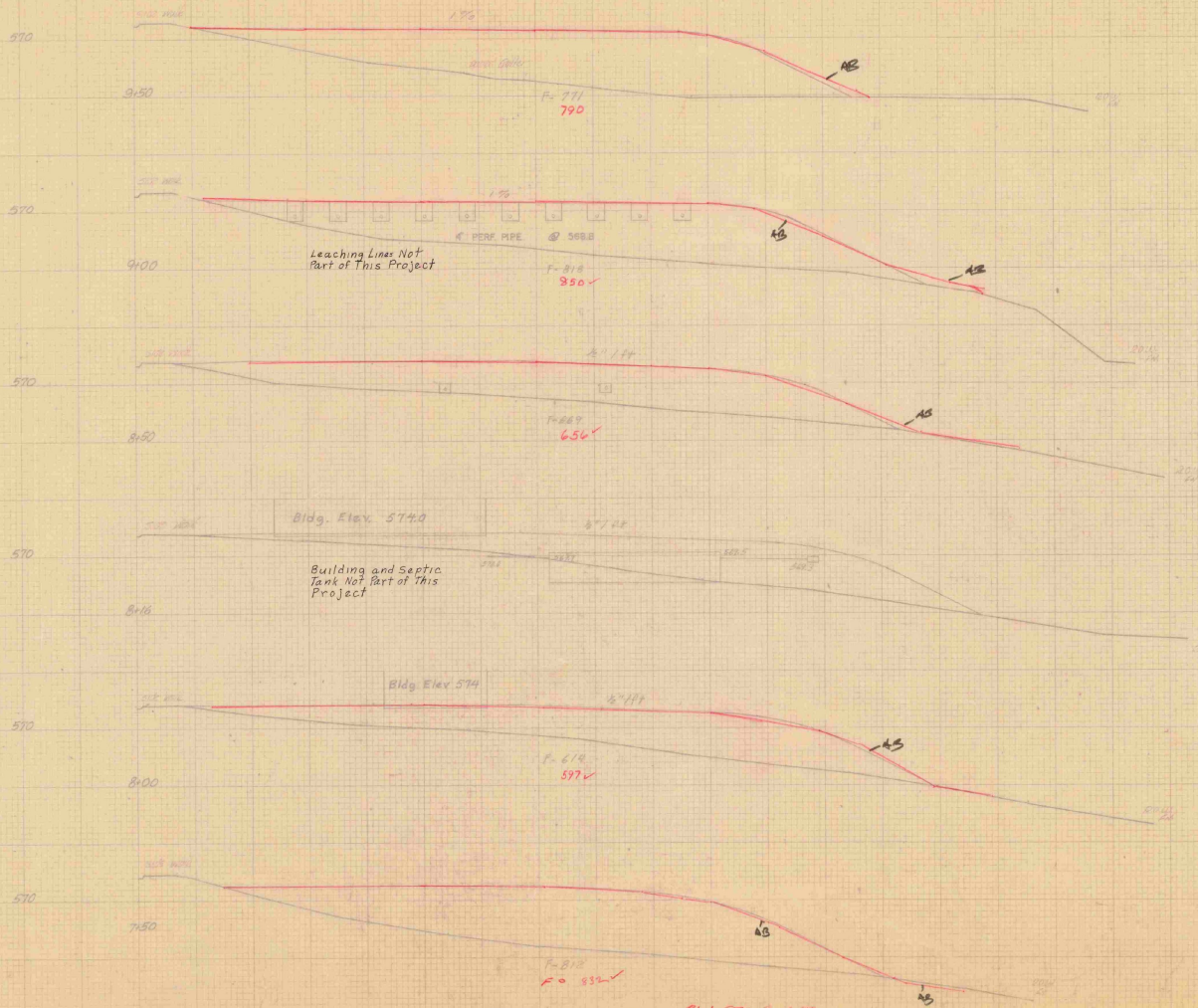


Southbound Rest Area
 1+00
 Sharon
 LS 89-111
 15 16
 15
 16
 15
 16

Plot GTR 9-11-72
 Plot 8 9-13-72
 Plot GTR 9-14-72

ZERO QUANTITIES 3+75

9+75 RT
Bituminous Concrete Gutter
Item 816.47
(Along Top of Slope)



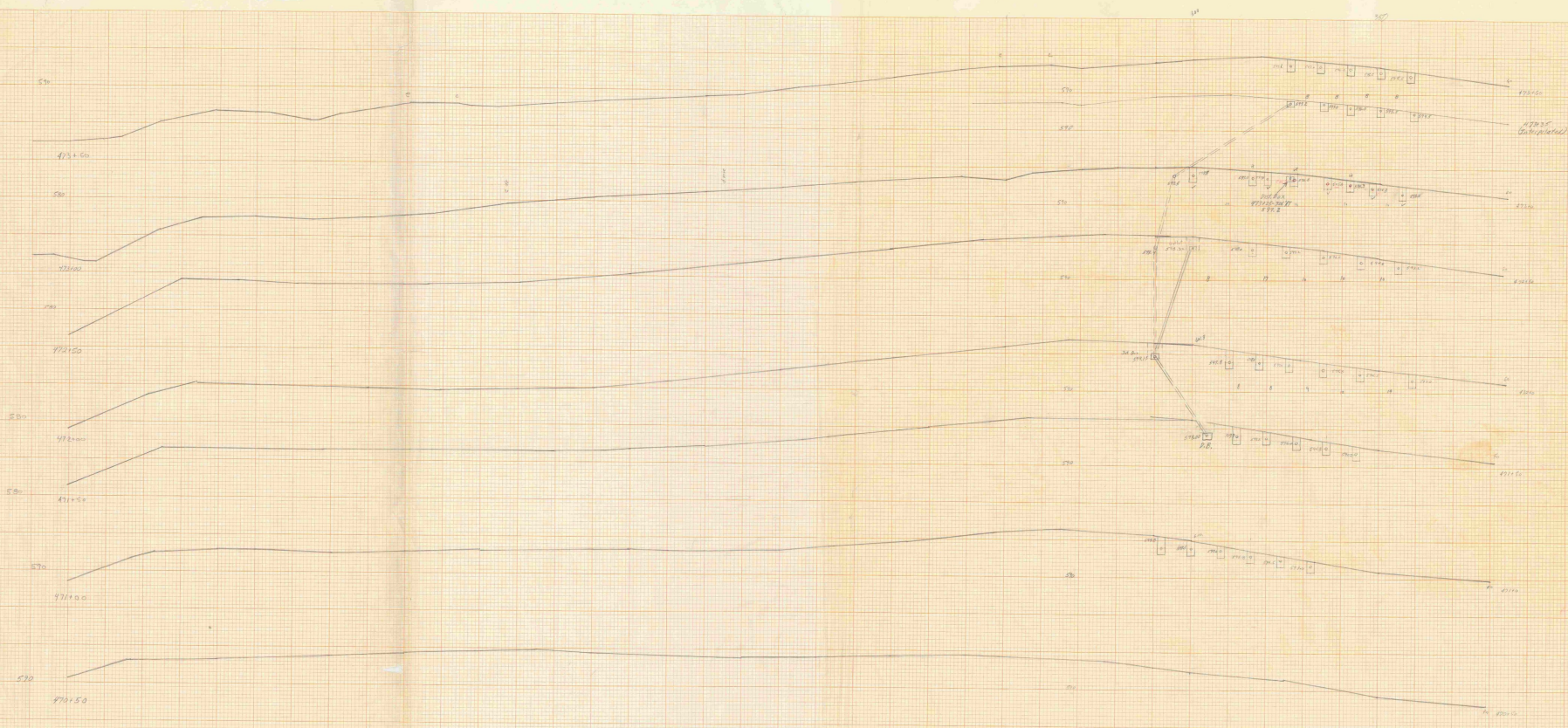
Southbound Rest Area	
7+50	9+50
Sharon	841
LST 15	16

Smith Sep 1971

Plan STA 4-1-72
Date 9-11-72

ZERO QUANTITIES 3+75

2000000
I 88-1-100

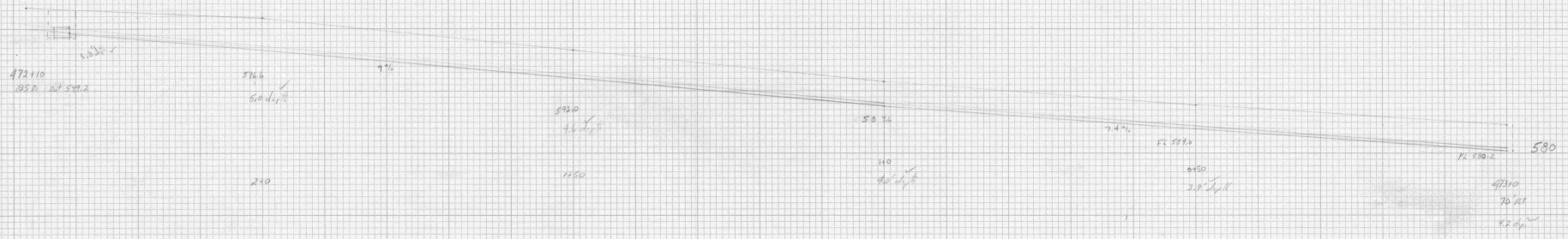


Scale
1:2000
1/2" = 100'

ST

Summary of Trench Earth

472110 to 472115	38.70 cy
472110 to 472110	24.38 cy
472110 to 472110	25.20 cy
472110 to 472110	15.30 cy
Total	103.58 cy
174.01	151.70



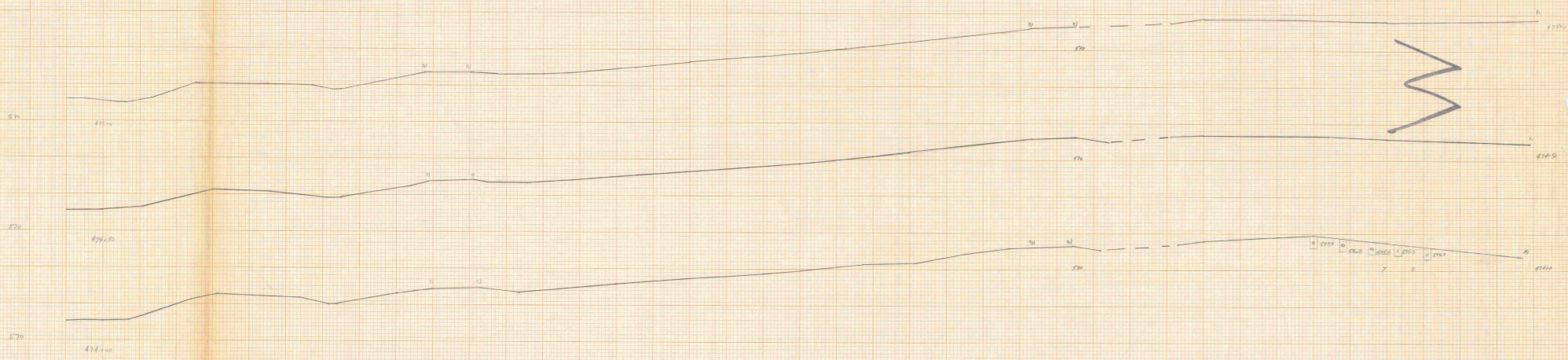
Trench Earth 472110 to 472115
 $2.0 \times 2.5 \times 120 = 600 \text{ cu ft} = 42.86 \text{ cy}$
 Jct Box @ 472115
 $3.0 \times 4.0 \times 3.0 = 36 \text{ cu ft} = 2.57 \text{ cy}$
45.43 cy

Trench Earth	472110 to 472115	To 472110 285 ft
472110 to 472110	38.70	38.70
472110 to 472110	24.38	24.38
472110 to 472110	25.20	25.20
472110 to 472110	15.30	15.30
Total	103.58	103.58
174.01		151.70

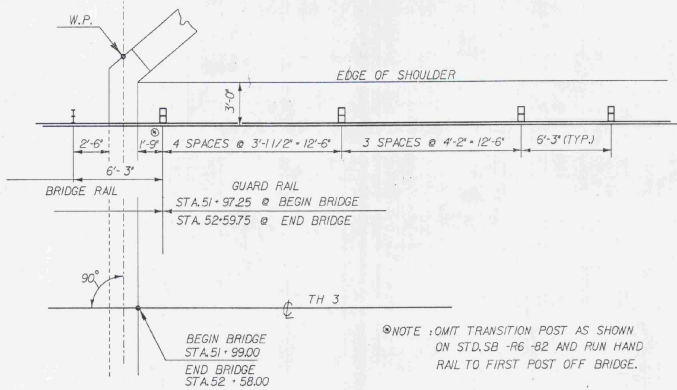
Trench Earth
 472110 285' to 472110 301' 21"
 $4.0 \times 2.0 \times 25 = 200 \text{ cu ft} = 14.29 \text{ cy}$
 Jct Box @ 472110
 $4.0 \times 3.0 \times 3.0 = 36 \text{ cu ft} = 2.57 \text{ cy}$
16.86 cy

Trench Earth
 472110 285' to 472110 301' 21"
 $2.0 \times 2.5 \times 120 = 600 \text{ cu ft} = 42.86 \text{ cy}$
 Jct Box @ 472110
 $3.0 \times 4.0 \times 3.0 = 36 \text{ cu ft} = 2.57 \text{ cy}$
45.43 cy
 6" Cast Iron Pipe
 Shamon L51 B9 10'
 Drainage Roll 1

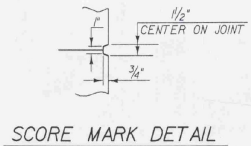
Note All dimension are field measurement



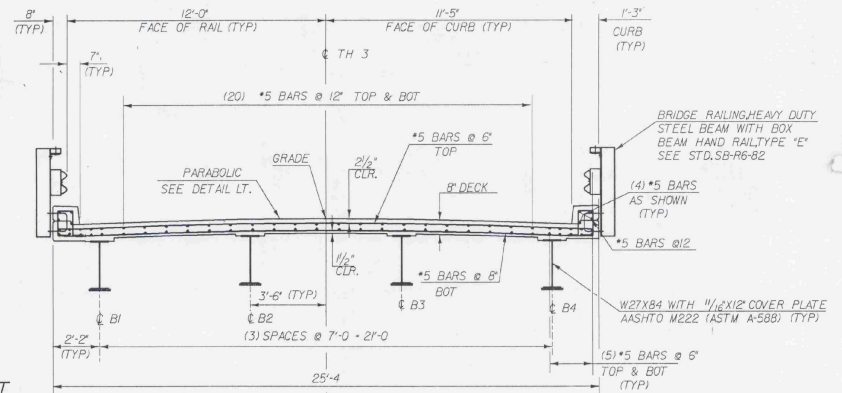
Sketch
 1-2-20-1-10
 David Smith



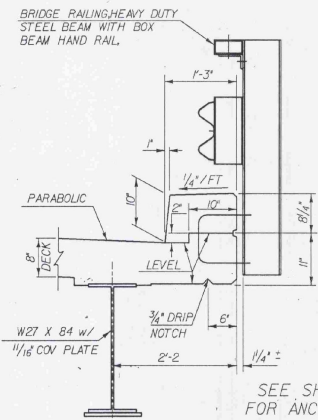
RAILING PLAN
TYPICAL ALL CORNERS
SCALE 1/4" = 1'-0"



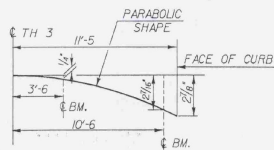
TYPICAL CONCRETE CONSTRUCTION JOINT



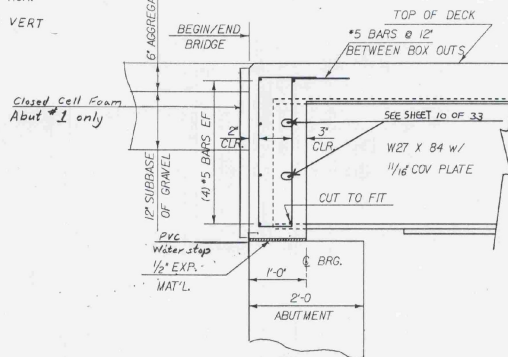
TYPICAL BRIDGE SECTION
SCALE 3/8" = 1'-0"



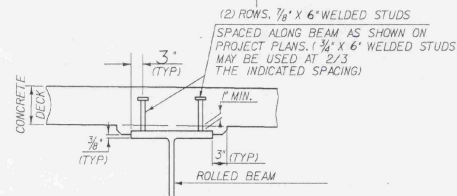
CURB DETAIL
SCALE 1" = 1'-0"



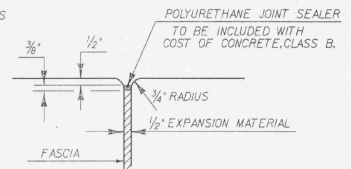
PARABOLIC DETAIL
RIGHT SIDE SHOWN
LEFT SIDE SAME
SCALE 1/4" = 1'-0" HOR.
3" = 1'-0" VERT



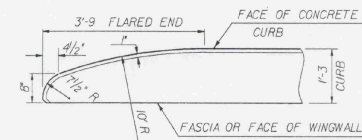
END OF BRIDGE
SCALE 1" = 1'-0"



BEAM HAUNCH AND SHEAR CONNECTOR DETAILS



JOINT BETWEEN FASCIA AND ABUTMENT
SCALE: 3" = 1'



**FLARED END DETAIL FOR 1'-3\"/>
 CURB REINFORCING STIRRUP BARS SHALL BE TURNED OR CUT AS REQUIRED TO FIT FLARED ENDS.**

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	CHARLESTON	Bridge No.	B24
Highway No.	TH3	Log Sta.	
		Surv. Sta.	52+28
TH3 OVER CLYDE RIVER			
TYPICAL SECTION AND SUPERSTRUCTURE DETAILS			
Designed By	ACHURCH	Drawn By	SINCLAIR
Checked By	Date	Bridge Design Supervisor	
CWILLIAMS	12-28	RGENDRON	Date 1/89
PROJECT	CHARLESTON	PROJECT NO.	
		BRZ 1449141	
I.G.C. Info. 7/F41 303/6363C660SUP.DGN		CHARLSUP2	
Bridge Sheet No.		Sheet	7 of 33

Date In: January 3, 2003 Batch 1 (HANGER 9 of 50)

Vermont Agency of
Transportation
PHASE 1-INTERSTATE
#122302-01
HANGER 9 INITIALS
DONE

*
1972

Sharon
LS1-89-1 (1)

1972