

SUMMARY OF QUANTITIES			
BASE BID			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
203.17	UNCLASSIFIED EXCAVATION	CY	2000.00
203.26	EXCAVATION OF SURFACES & PAVEMENTS	CY	1.50
203.30	EARTH BORROW	CY	1400.00
203.32	GRANULAR BORROW	CY	2060.00
203.40	FINE GRADING SUBGRADE	SY	3160.00
204.20	TRENCH EXCAVATION	CY	31.00
301.26	SUBBASE OF CRUSHED STONE	CY	805.00
404.65	EMULSIFIED ASPHALT PRIME COAT	CWT	62.00
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	551.00
501.30	CONCRETE CLASS C	CY	30.00
507.15	REINFORCING STEEL	LB	436.00
601.0015	18" C.S.P.	LF	211.00
601.6015	18" C.S.P.E.S.	EA	5.00
604.21	PRECAST REINFORCED CONCRETE MH	EA	1.00
604.51	CAST IRON GRATE - TYPE D	EA	1.00
613.10	STONE FILL - TYPE 1	CY	2.00
635.10	MOBILIZATION	LS	1.00
649.20	GEOTEXTILE FABRIC FOR SILT FENCE	SY	230.00
651.15	SEED	LB	40.00
651.18	FERTILIZER	LB	330.00
651.20	AGRICULTURAL LIMESTONE	TON	1.32
651.25	HAY MULCH	TON	1.32
651.35	TOPSOIL	CY	180.00
875.00	JOINT SEALANT - FUEL RESISTANT	GAL	5.00
1000.00	EXISTING TANK REMOVAL AND BACKFILL	LS	1.00
1001.00	PROPOSED TANK INSTALLATION	LS	1.00
1002.00	AVIATION FUELING CABINET	LS	1.00
1003.00	PIPING & VALVE SUPPORTS	LS	1.00
1004.00	BALLAST & SURFACE PADS	LF	700.00
1005.00	LEAK DETECTION SYSTEM	LS	1.00
1006.00	TANK TESTING & START UP	EA	1.00
1007.00	TRENCHING AND ELECTRICAL CONDUITS	LS	1.00
1008.00	EXPLOSION PROOF PANEL BOARD	LS	1.00
1009.00	ELECTRICAL EQUIPMENT	LS	1.00
ADDITIVE ALTERNATIVE 1			
203.28	EXCAVATION OF SURFACES & PAVEMENTS	CY	1.00
404.25	BITUMINOUS CONCRETE PAVEMENT	TON	114.00
404.65	EMULSIFIED ASPHALT	CWT	32.00

STATE OF VERMONT

AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

TOWN OF MIDDLEBURY

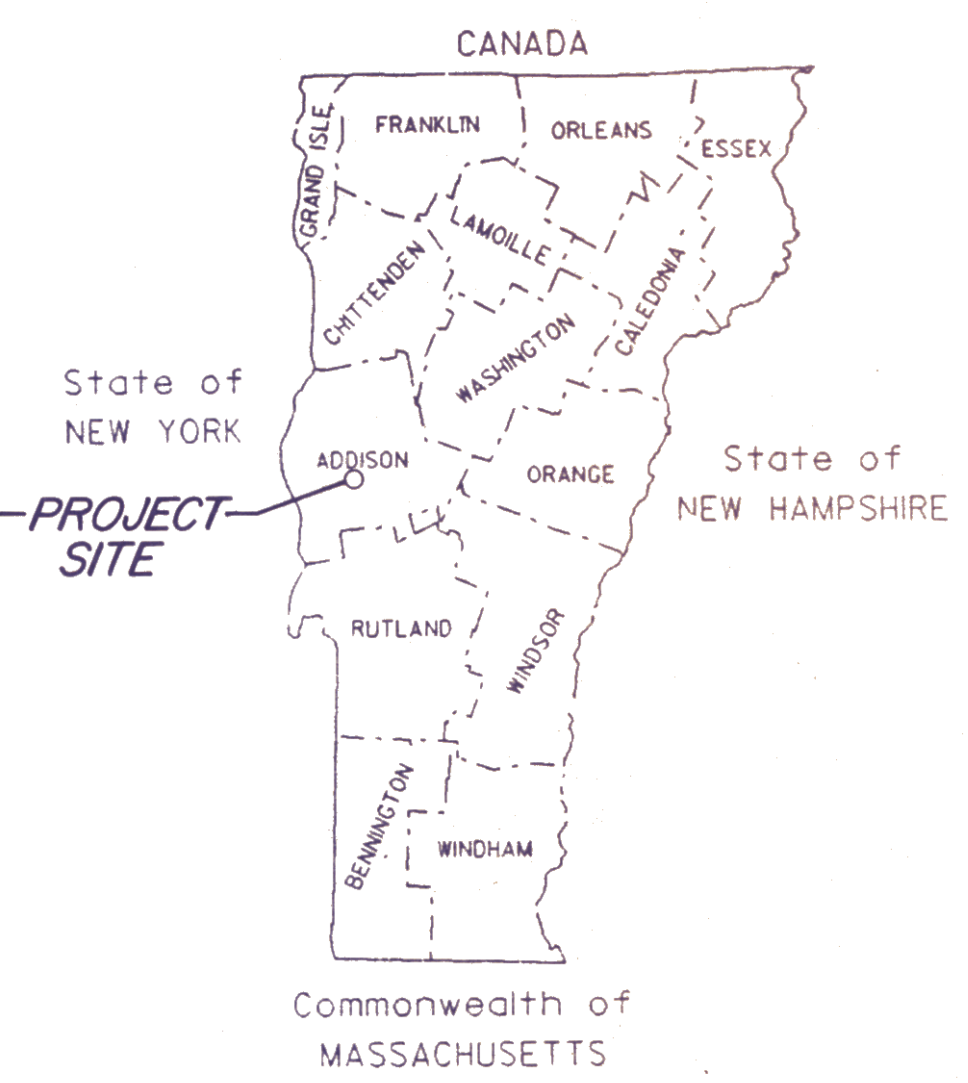
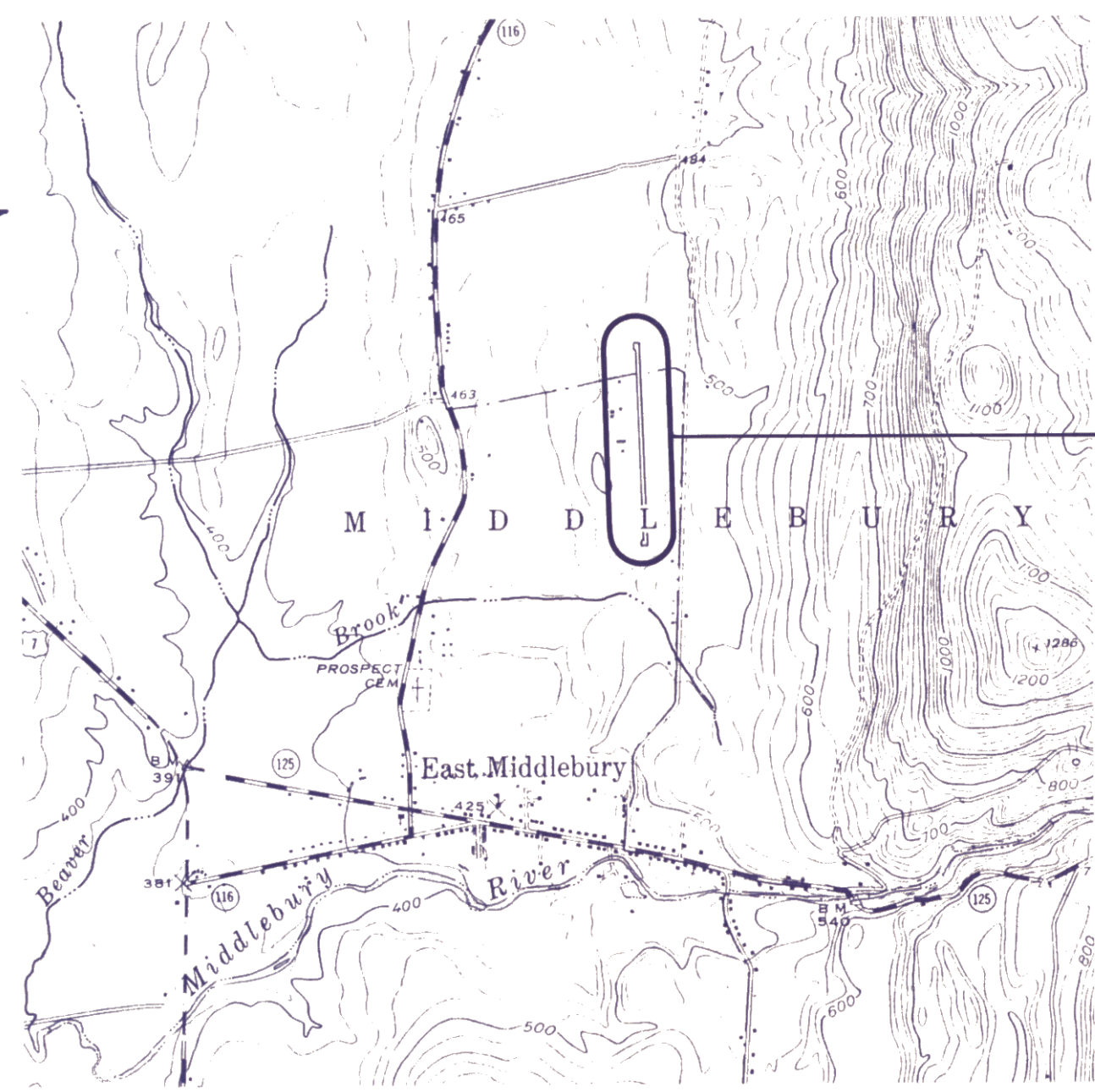
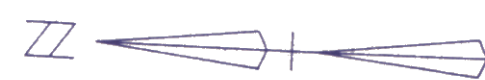
COUNTY OF ADDISON

MIDDLEBURY STATE AIRPORT

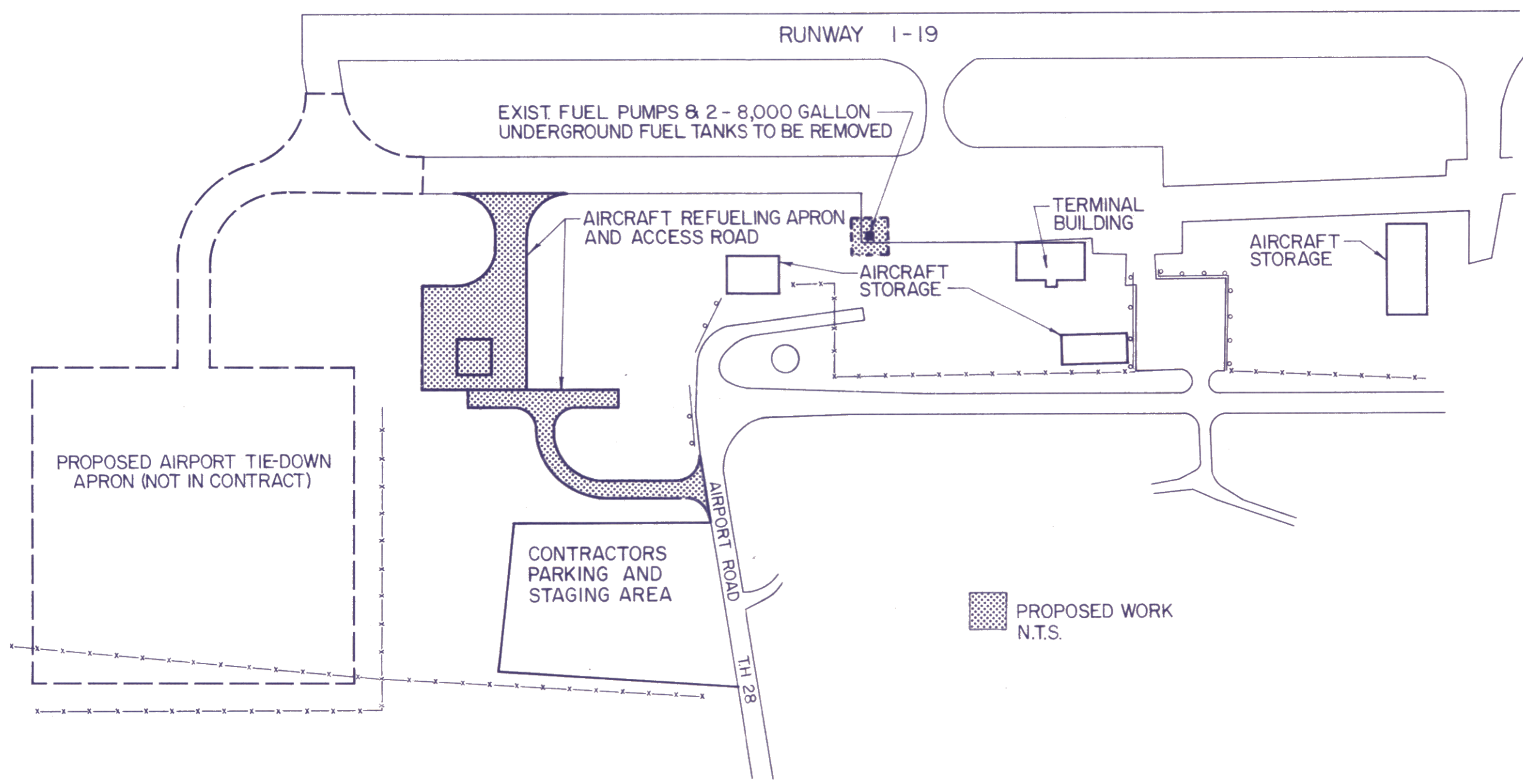
AVGAS FUELING SYSTEM

AIR 03-2069

JULY 1990



- LEGEND
- BORING LOCATION
- EXISTING CONTOURS
- PROP CORRUGATED STEEL PIPE (C.S.P.)
- C.S.P. END SECTION (V.A.O.T. STANDARD D-4)
- STONE FILL OUTLET PROTECTION



INDEX OF SHEETS

TITLE	DATE	DRAWING NO.
TITLE SHEET	JULY 1990	-
SITE PLAN	JULY 1990	SP-1
SITE PLAN	JULY 1990	SP-2
TYPICAL SECTIONS	JULY 1990	TS-1
PROFILES	JULY 1990	PF-1
DETAILS	JULY 1990	D-1
APRON CROSS SECTIONS	JULY 1990	CS-1
ACCESS ROAD CROSS SECTIONS	JULY 1990	CS-2
TANK AND REFUELING CABINET PLAN	JULY 1990	M-1
ELECTRICAL PLAN	JULY 1990	E-1

CHA

CLOUGH, HARBOUR & ASSOCIATES

ENGINEERS & PLANNERS

REV. NO.	DATE	DESCRIPTION	REV. NO.	DATE	DESCRIPTION

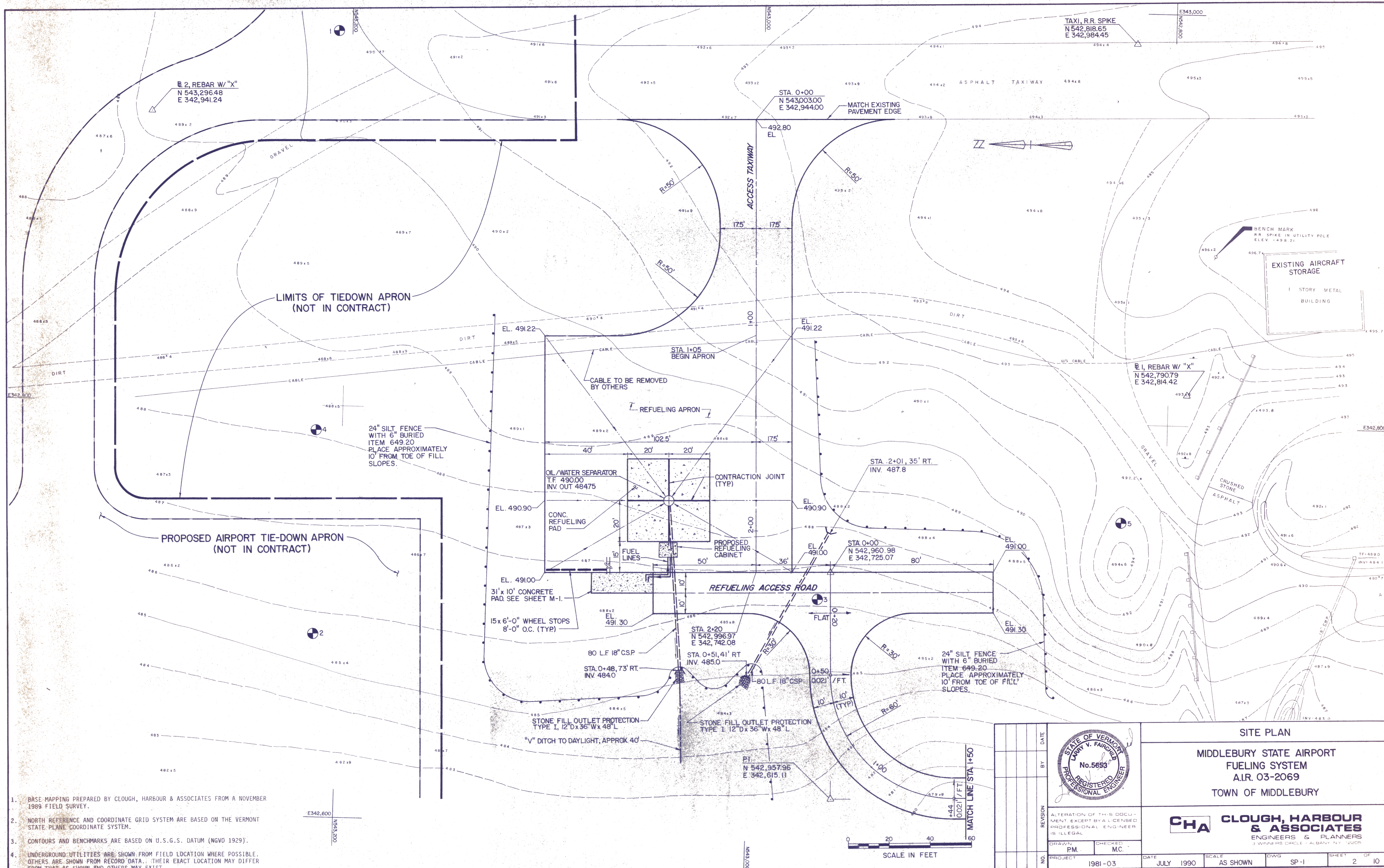
C.H.A. PROJECT NO. 1981-03

STATE OF VERMONT

DARY V. FAIRBANKS

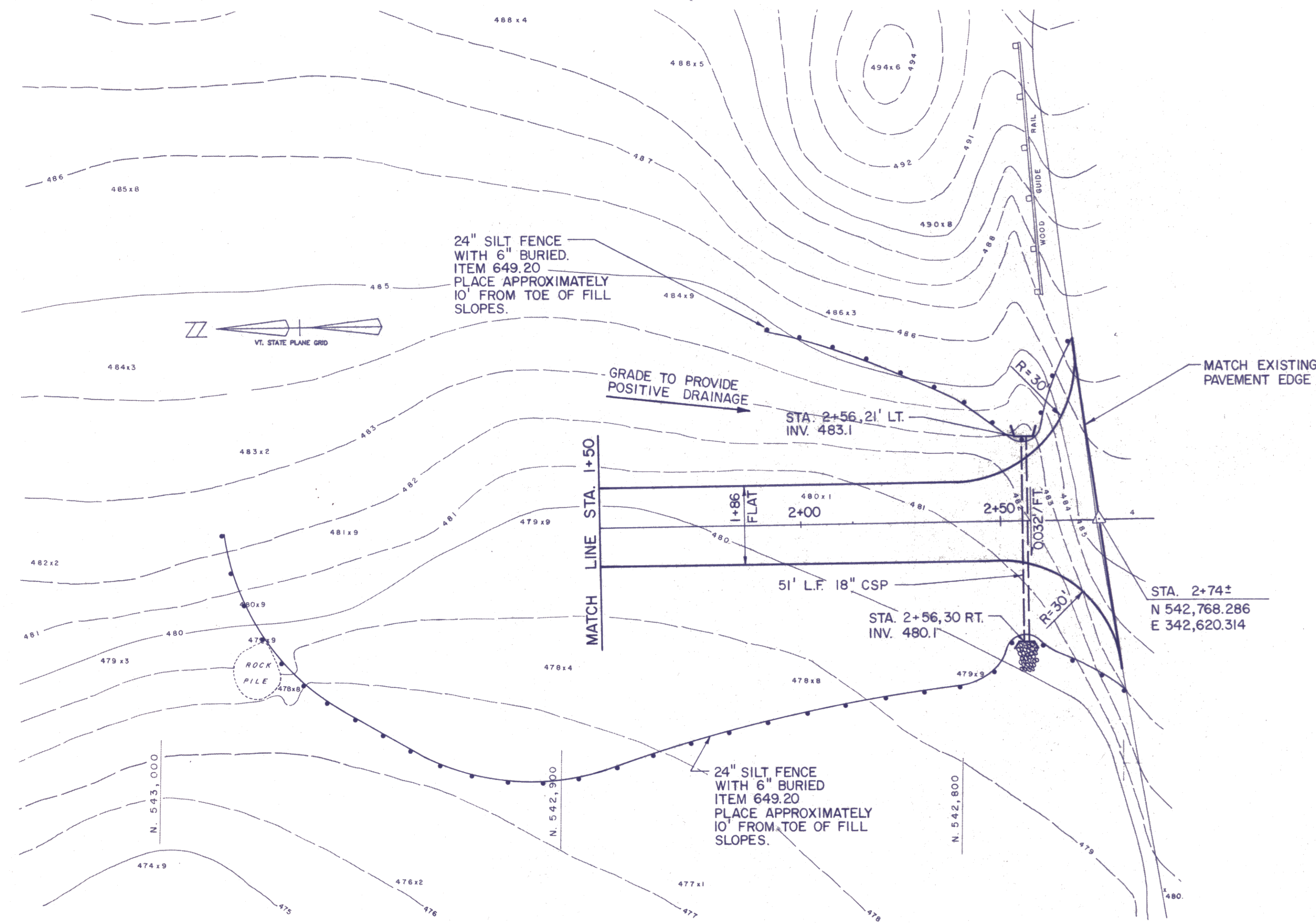
No. 5553

REGISTERED PROFESSIONAL ENGINEER

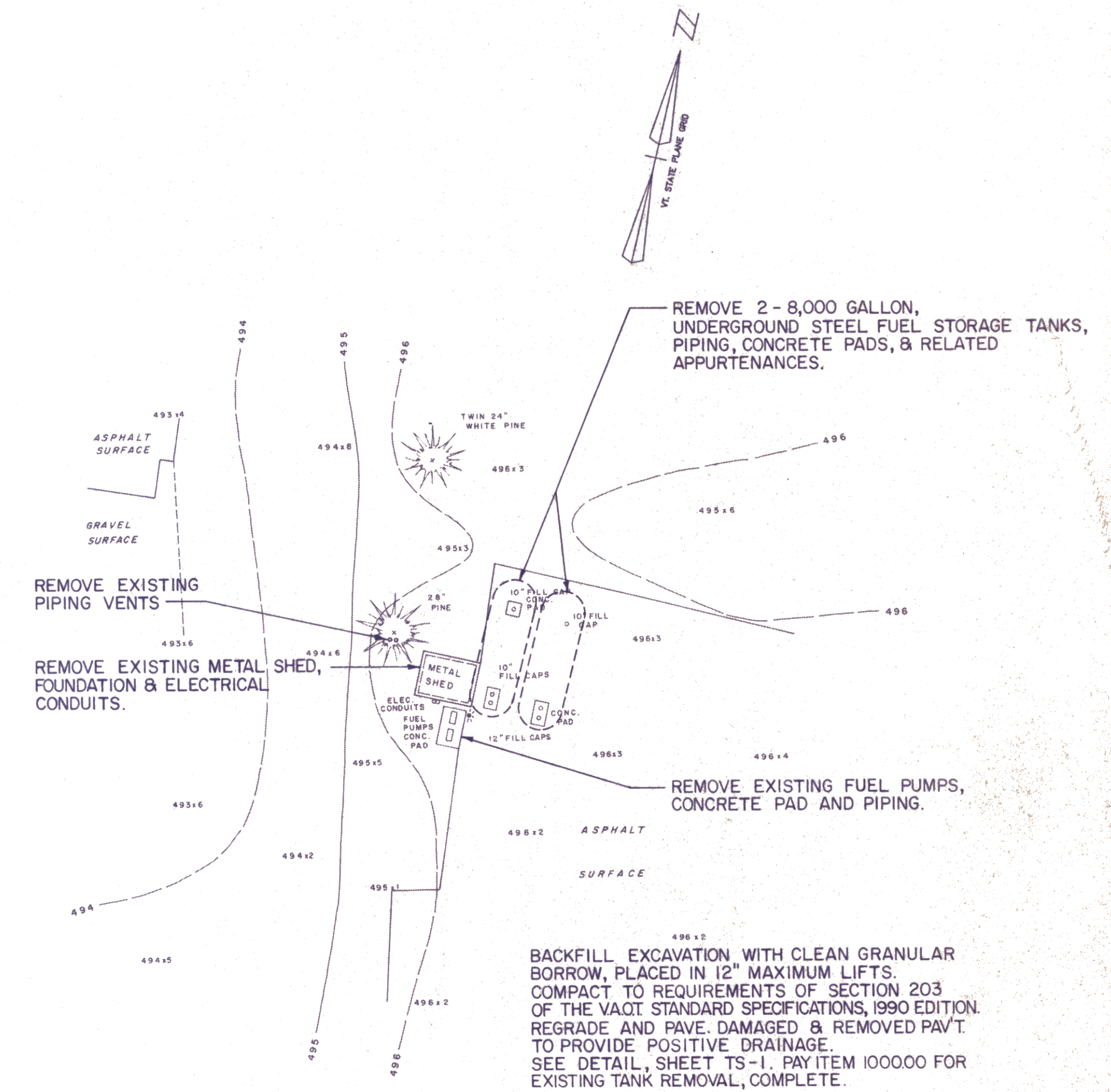


1. BASE MAPPING PREPARED BY CLOUGH, HARBOUR & ASSOCIATES FROM A NOVEMBER 1989 FIELD SURVEY.
2. NORTH REFERENCE AND COORDINATE GRID SYSTEM ARE BASED ON THE VERMONT STATE PLANE COORDINATE SYSTEM.
3. CONTOURS AND BENCHMARKS ARE BASED ON U.S.G.S. DATUM (NGVD 1929).
4. UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION WHERE POSSIBLE. OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST.

		SITE PLAN	
		MIDDLEBURY STATE AIRPORT FUELING SYSTEM A.I.R. 03-2069 TOWN OF MIDDLEBURY	
REVISION	DATE	BY	NO.
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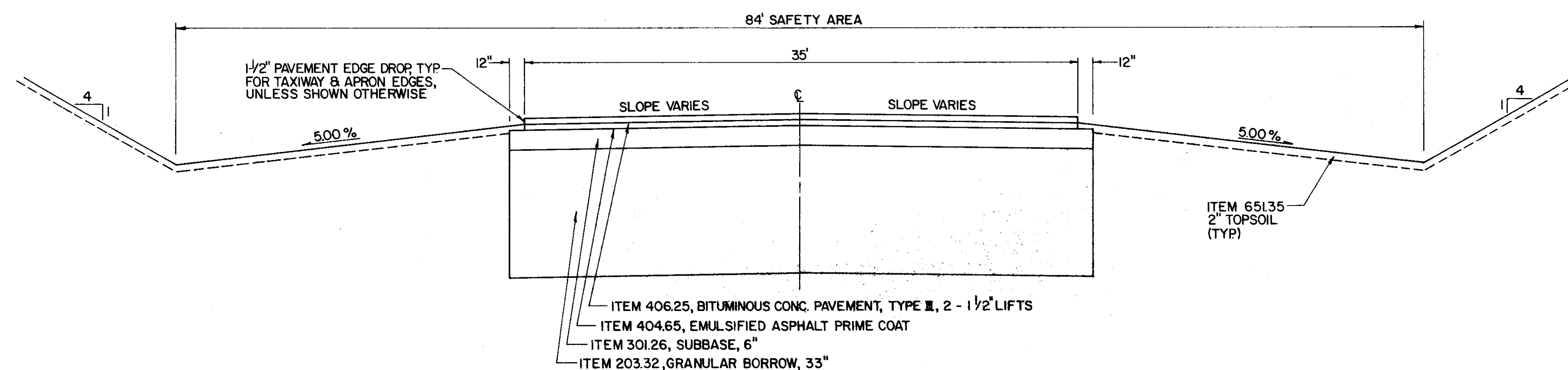
REFUELING ACCESS ROAD INTERSECTION
SCALE 1" = 20'



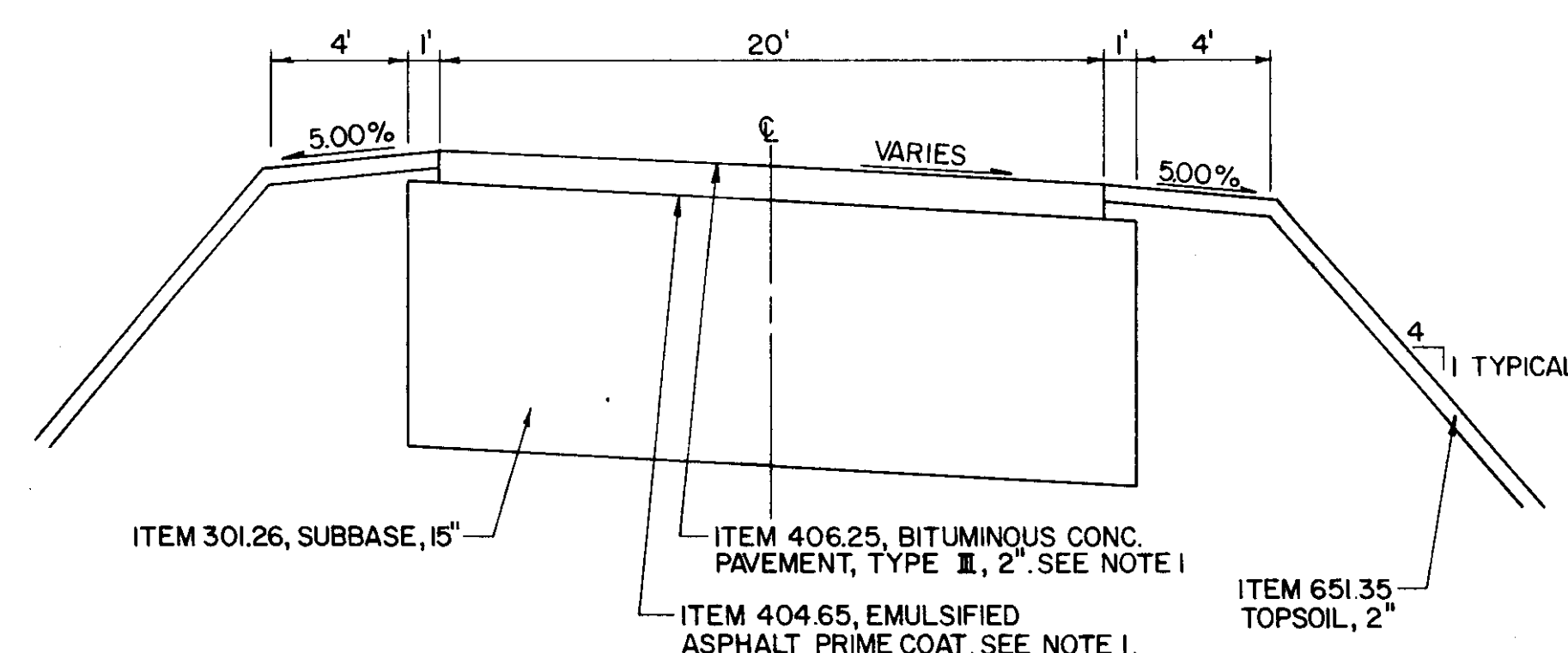
EXISTING STORAGE TANK REMOVAL PLAN
SCALE 1" = 20'

NO.		BY		DATE				SITE PLAN MIDDLEBURY STATE AIRPORT FUELING SYSTEM A.I.R. 03-2069 TOWN OF MIDDLEBURY	
REVISION		DRAWN		CHECKED				CLOUGH, HARBOUR & ASSOCIATES ENGINEERS & PLANNERS 3 WINNERS CIRCLE - ALBANY, N.Y. 12205	
PROJECT		N.E.G.		M.C.		ALTERATION OF THIS DOCUMENT, EXCEPT BY A LICENSED PROFESSIONAL ENGINEER, IS ILLEGAL.		SCALE AS SHOWN DWG SP - 2 SHEET 3 OF 10	
DATE		JULY 1990		1981-03					

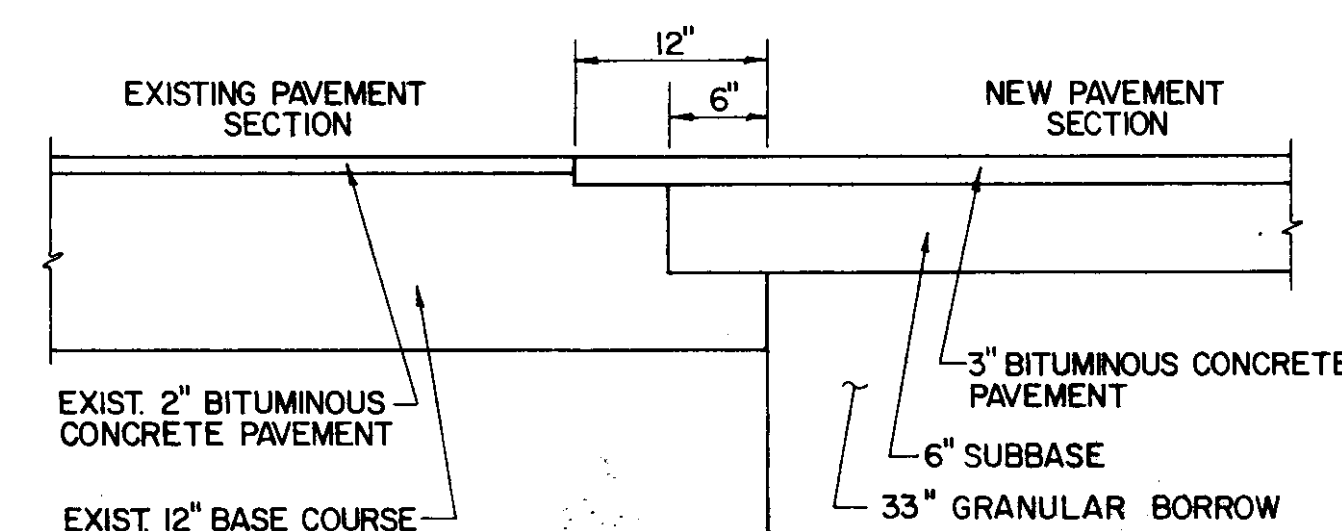
AIRCRAFT REFUELING APRON
NO SCALE



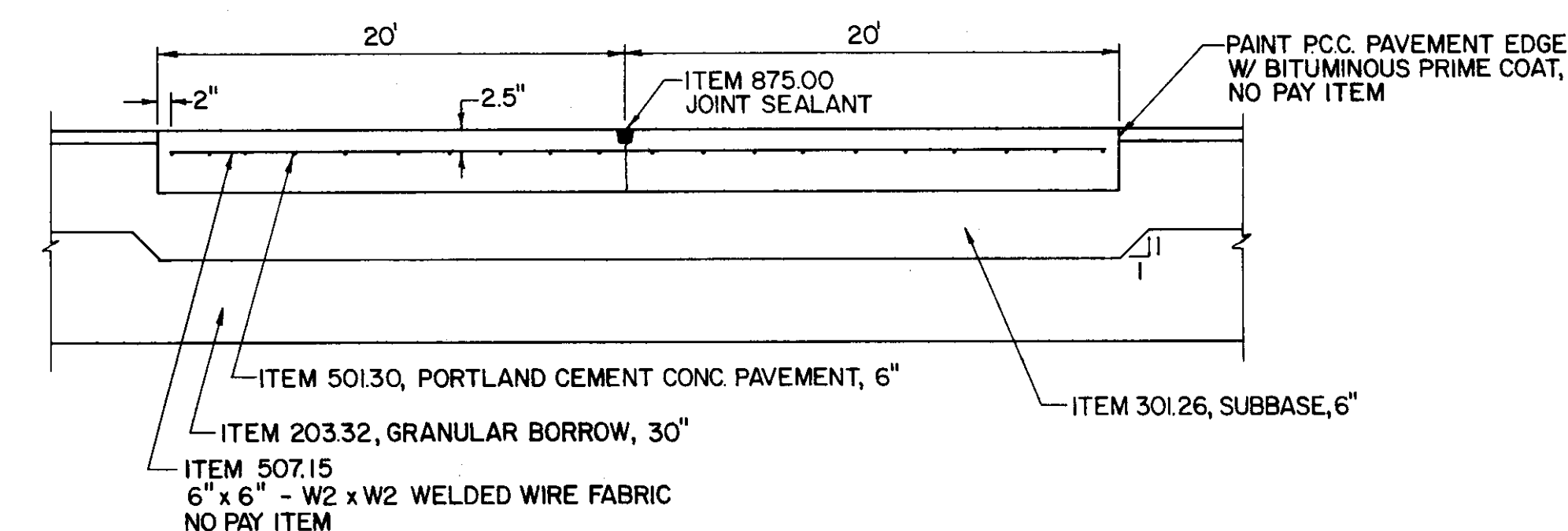
ACCESS TAXIWAY
NO SCALE



ACCESS ROAD
NO SCALE

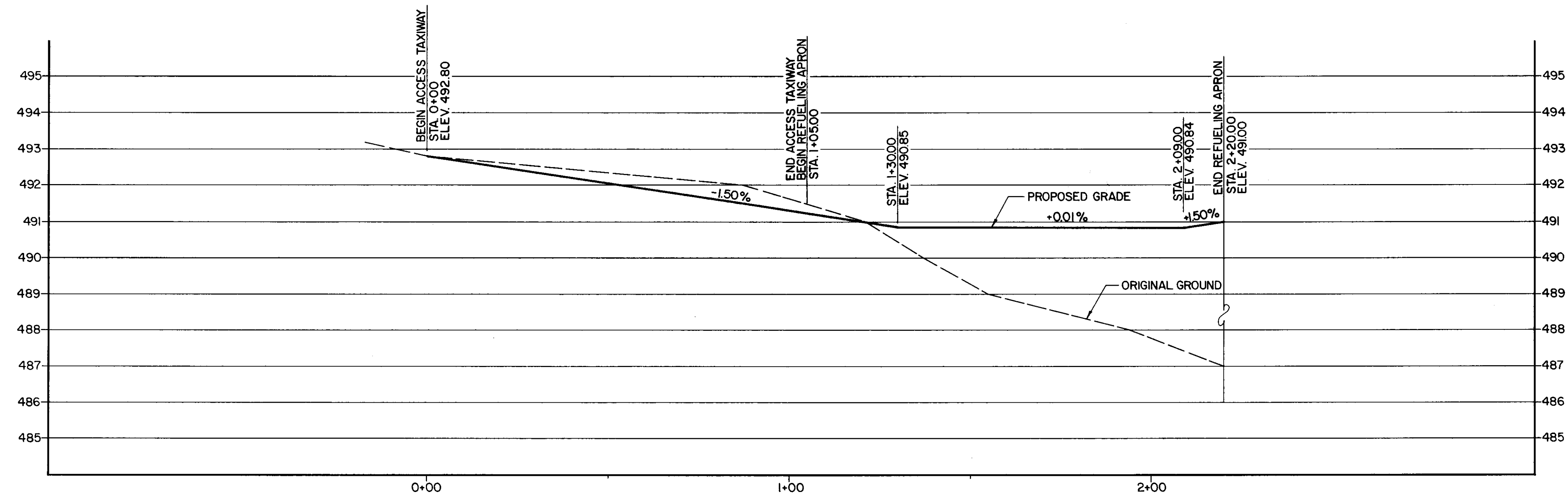


PAVEMENT CONNECTION DETAIL
NO SCALE

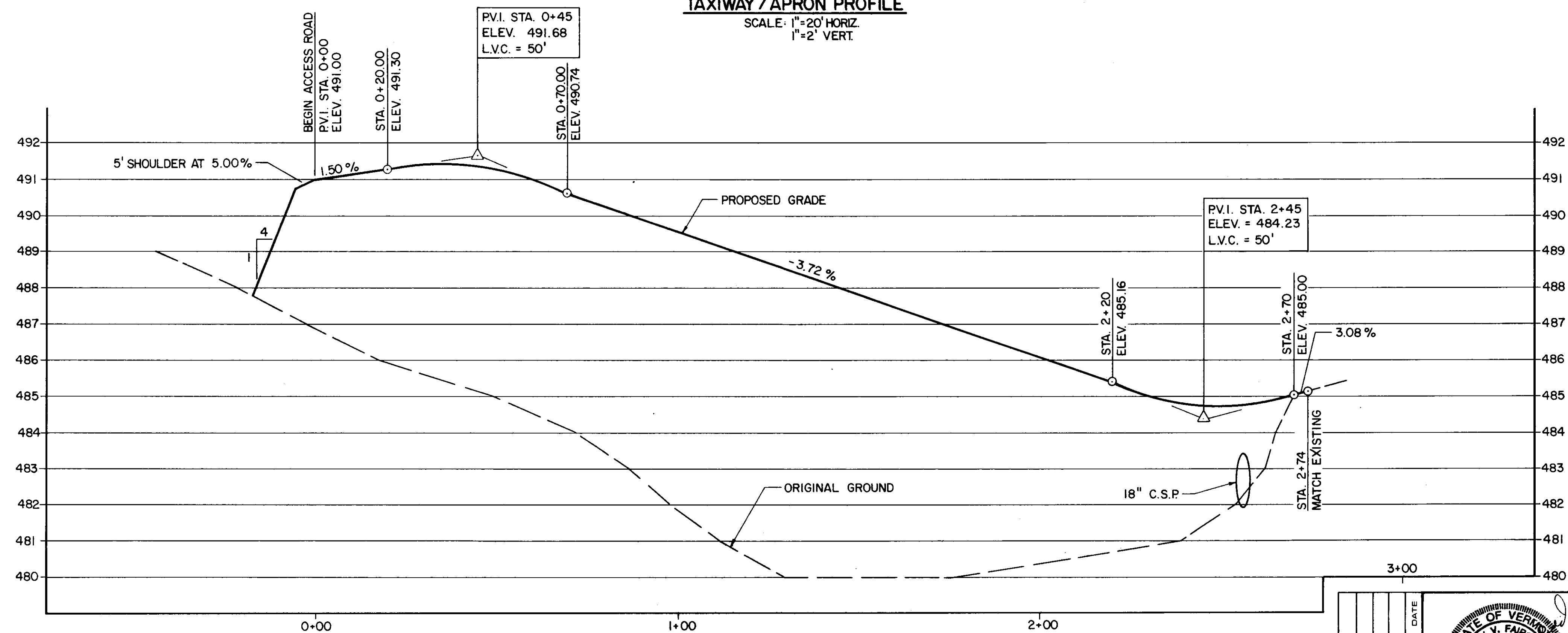


CONCRETE REFUELING PAD DETAIL
NO SCALE

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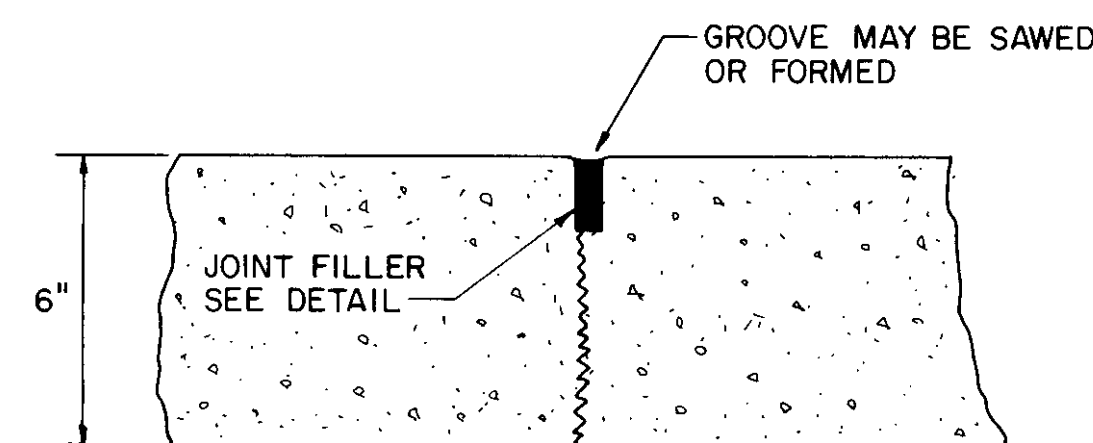


TAXIWAY / APRON PROFILE
SCALE: 1"=20' HORIZ.
1"=2' VERT.

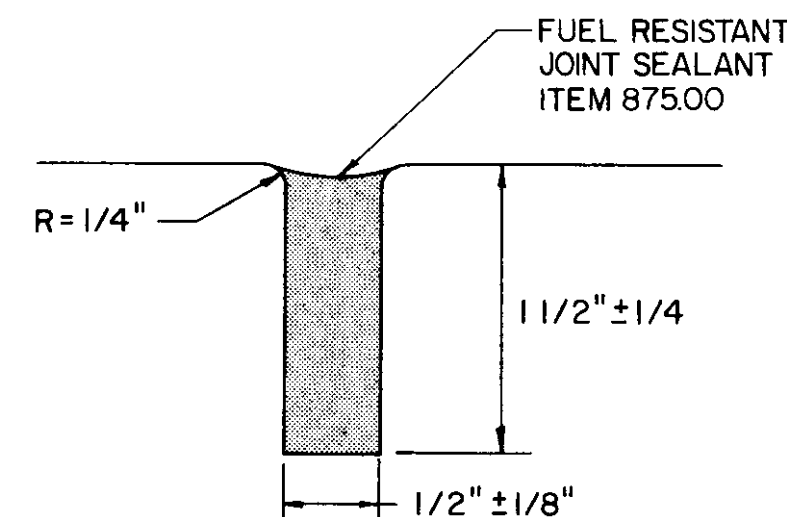


REFUELING ACCESS ROAD PROFILE
SCALE: 1"=20' HORIZ.
1"=2' VERT.

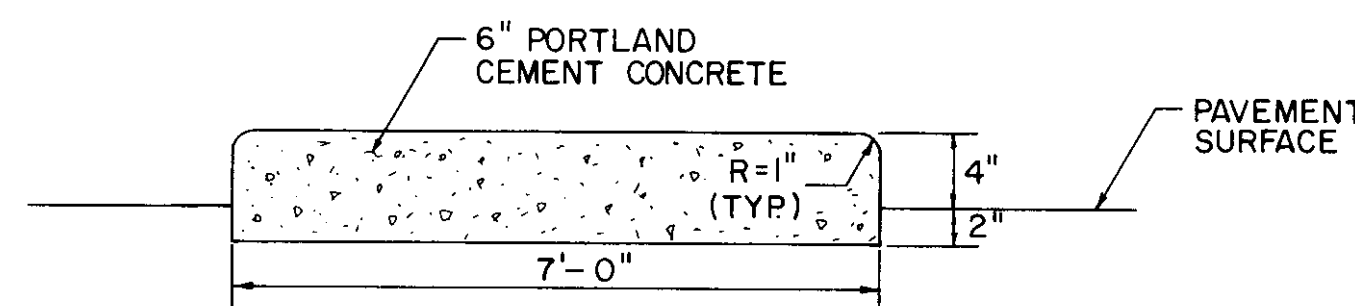
REVISION			PROFILES			
BY			MIDDLEBURY STATE AIRPORT FUELING SYSTEM A.I.R. 03-2069 TOWN OF MIDDLEBURY			
DATE			CLOUGH, HARBOUR & ASSOCIATES ENGINEERS & PLANNERS 3 WINNERS CIRCLE • ALBANY, N.Y. 12205			
PROJECT			PROJECT 1981-03 DATE JULY 1990 SCALE AS SHOWN DWG. PF-1 SHEET 5 OF 10			



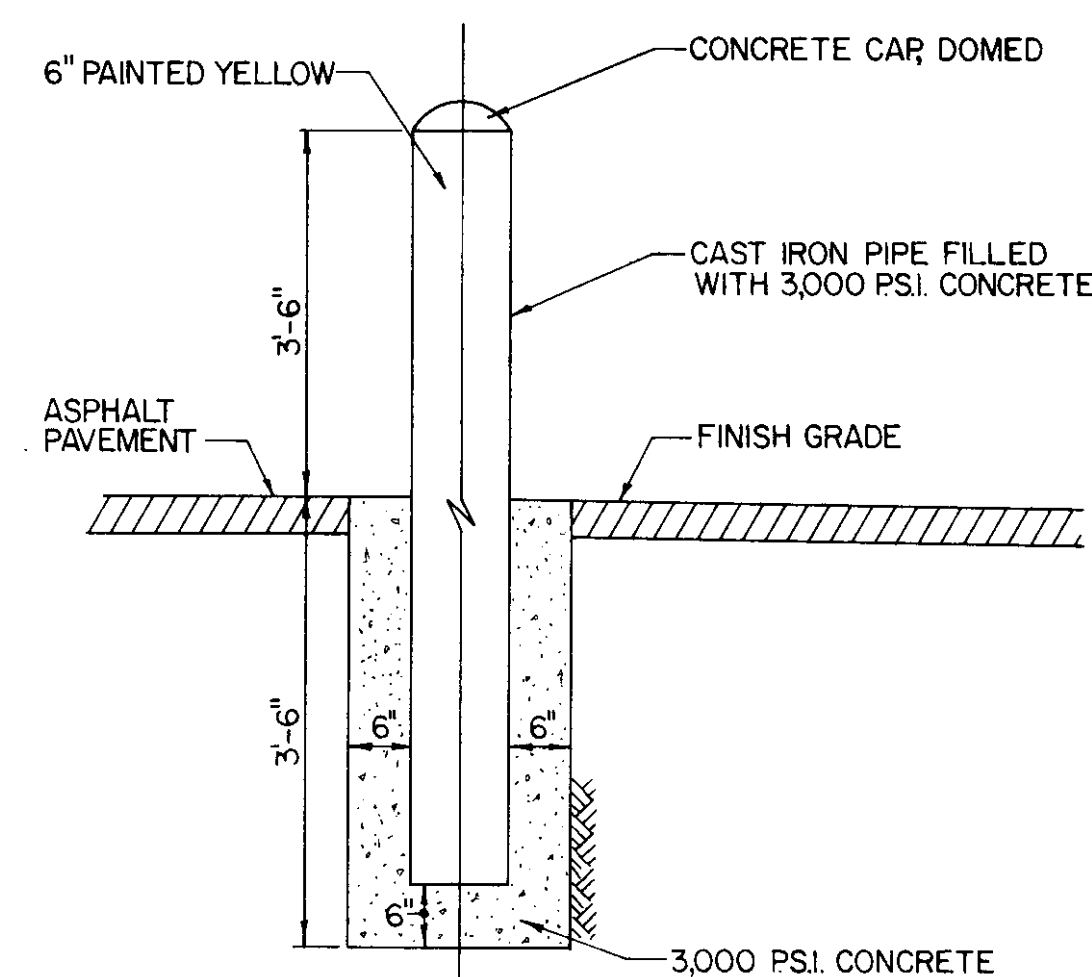
CONTRACTION JOINT DETAIL
NO SCALE



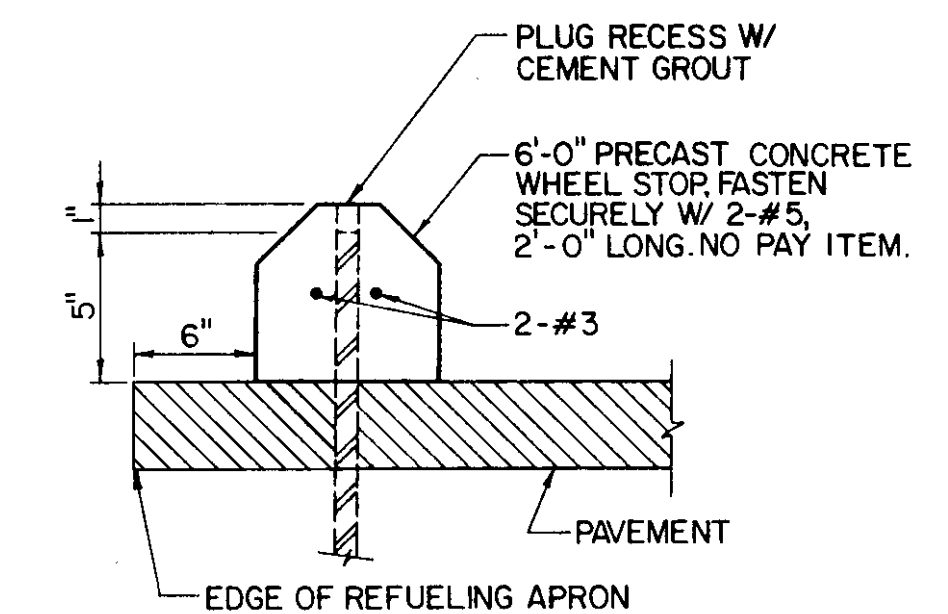
JOINT FILLER DETAIL
NO SCALE



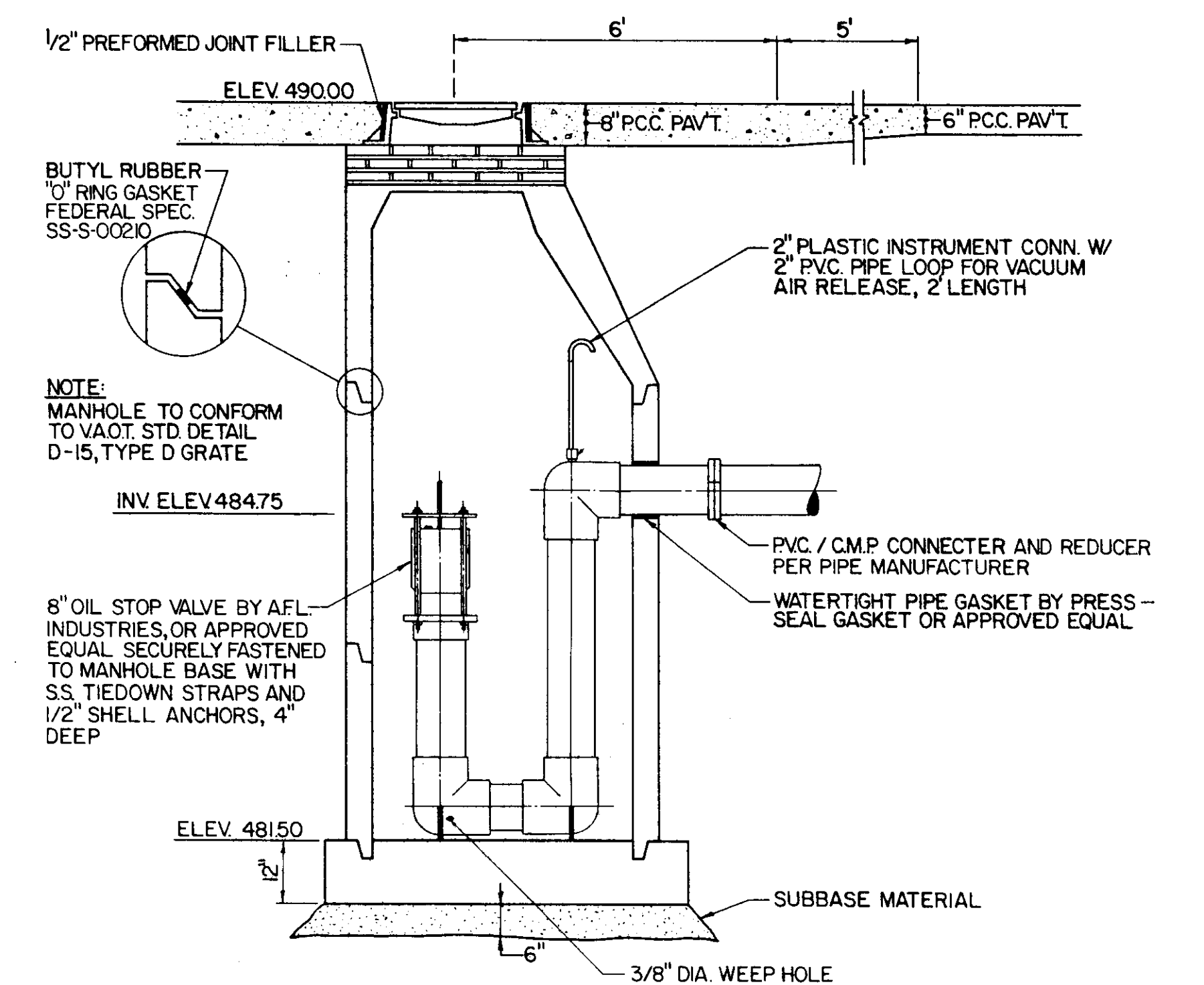
FUEL CABINET PAD DETAIL
NO SCALE



BOLLARD DETAIL
NO SCALE

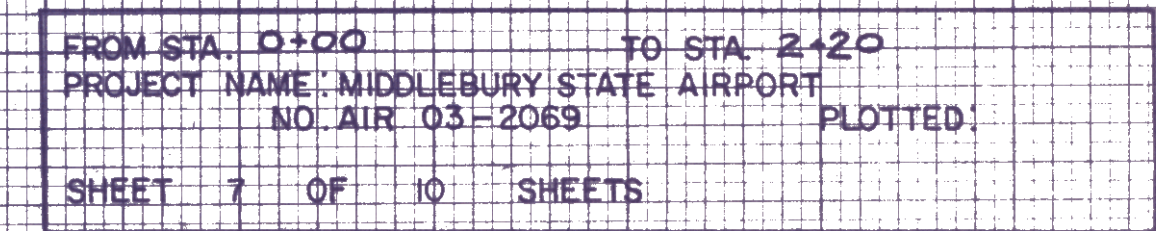
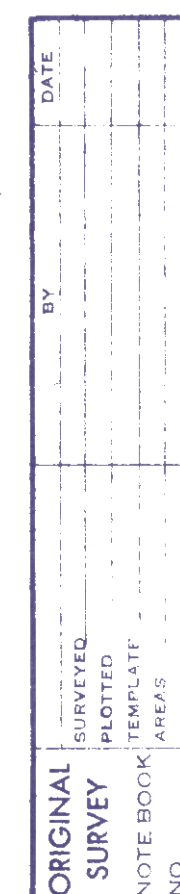


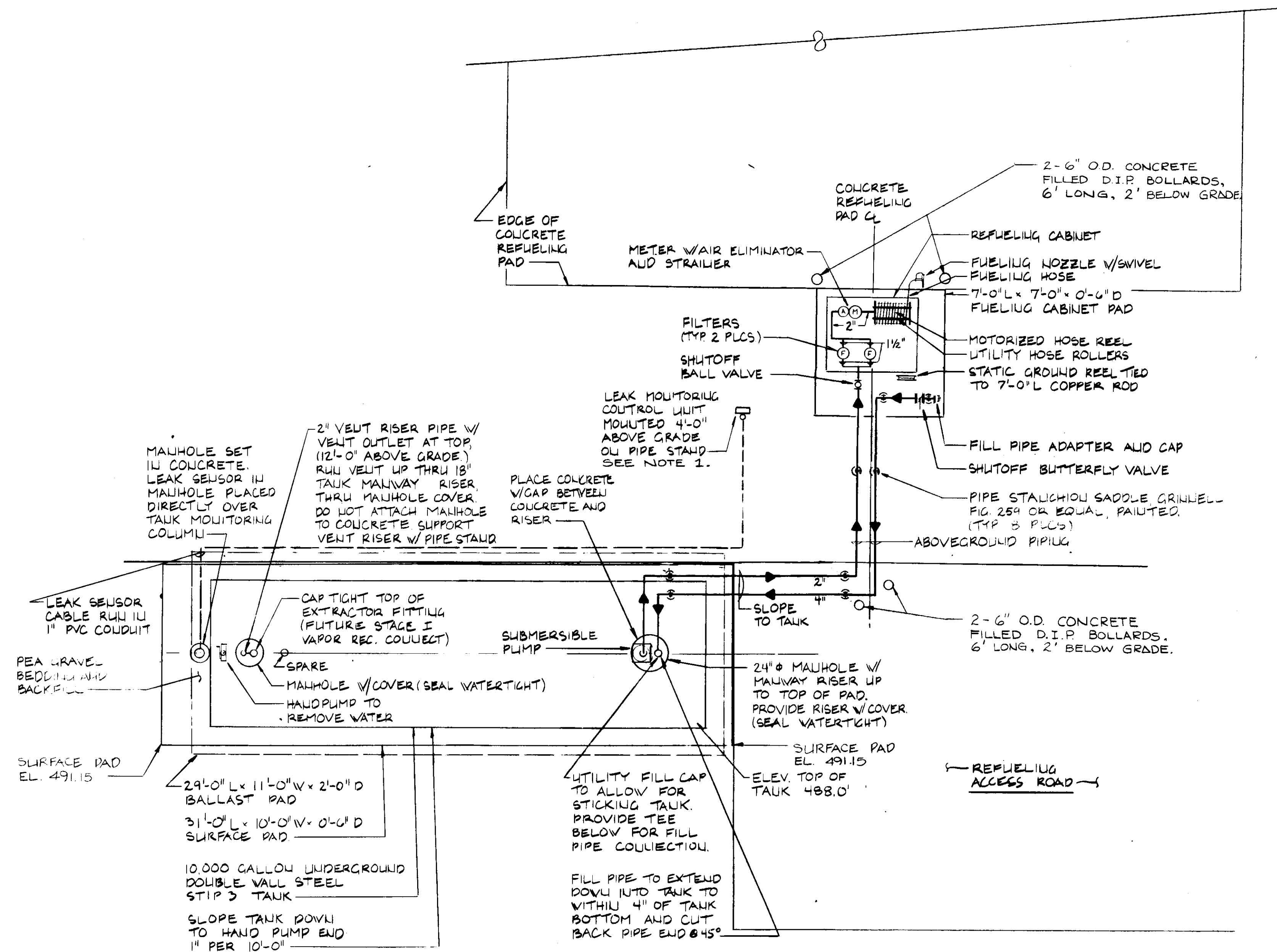
CONCRETE WHEEL STOP DETAIL
NO SCALE



OIL / WATER SEPARATOR
NO SCALE

				DETAILS			
				MIDDLEBURY STATE AIRPORT FUELING SYSTEM A.I.R. 03-2069 TOWN OF MIDDLEBURY			
				CHA CLOUGH, HARBOUR & ASSOCIATES ENGINEERS & PLANNERS 3 WINNERS CIRCLE - ALBANY, N.Y. 12205			
REVISION	BY	DATE		ALTERATION OF THIS DOCUMENT, EXCEPT BY A LICENSED PROFESSIONAL ENGINEER, IS ILLEGAL.	DRAWN	CHECKED	
					PM.	MC.	
					PROJECT	DATE	SCALE
					1981-03	JULY 1990	AS SHOWN
						DWG.	D-1
						SHEET	6 OF 10





NOTES:

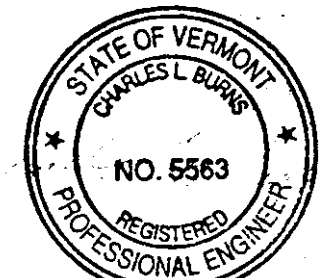
- CONTRACTOR SHALL MOUNT A 12"x12" ALUMINUM SIGN DIRECTLY BELOW THE LEAK MONITORING UNIT WITH THE FOLLOWING MESSAGE:

URGENT.
IF THE LEAK DETECTION ALARM OR LIGHT GOES OFF, CALL THE FOLLOWING PHONE NUMBER COLLECT: 882-2657

- REINFORCEMENT FOR BALLAST PAD SHALL BE 2 MATS OF #4-12" EW, 2" MINIMUM COVER.
- REINFORCEMENT FOR SURFACE PAD SHALL BE 6" x 6" - W2 x W2 WWF, 2" MINIMUM COVER.

PLAN-TANK, PIPING & REFUELING CABINET

SCALE: 1/4" = 1'-0"

								TANK AND REFUELING CABINET PLAN	
								MIDDLEBURY STATE AIRPORT FUELING SYSTEM A.I.R. 03-2069 TOWN OF MIDDLEBURY	
									
									
								3 WINNERS CIRCLE, ALBANY N.Y. 12205/ 518-453-4500	
NO.	REVISION	DATE	BY	PROJECT	SCALE	DWG.	SHEET	OF	
				1981-03	JULY 1990	AS SHOWN	M-1	9	10



- 2 INGROUND PULLBOX
N.T.S.

[illegible]