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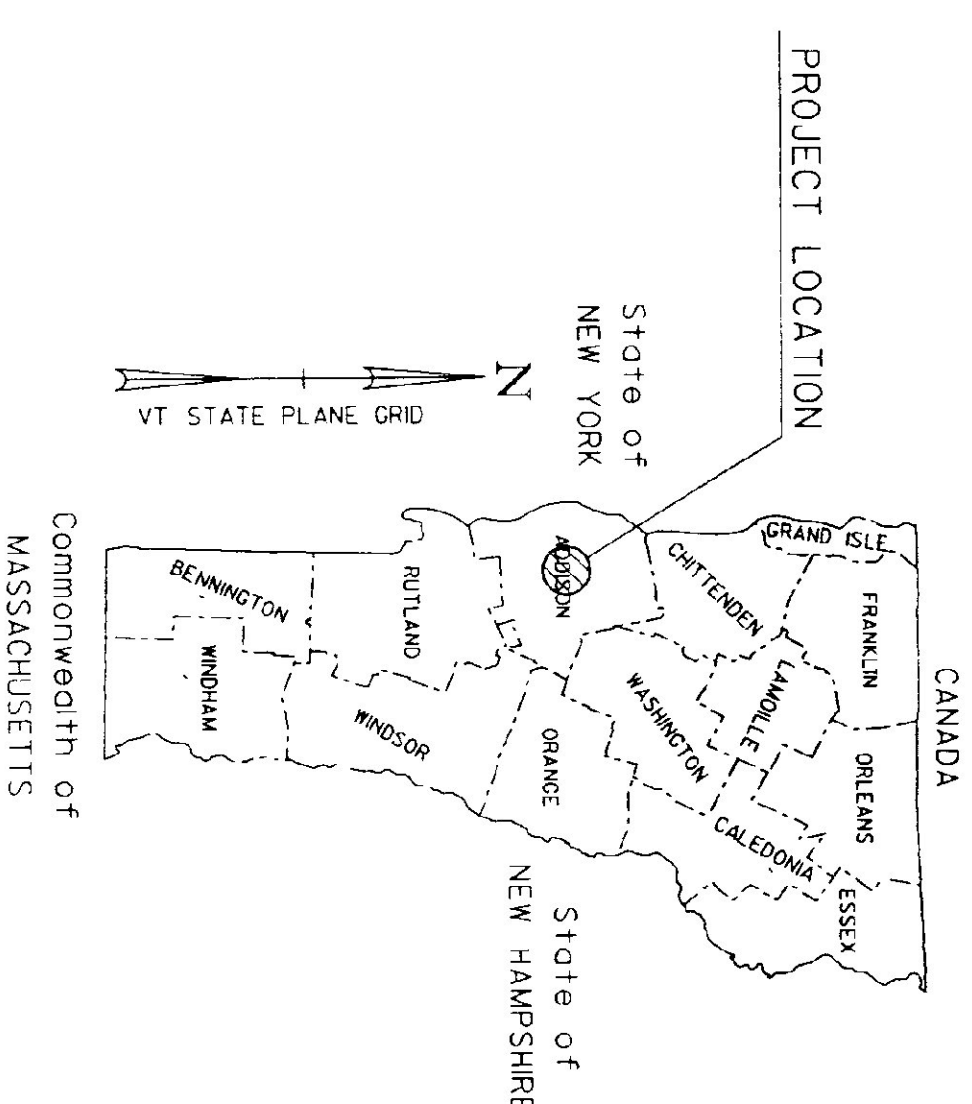
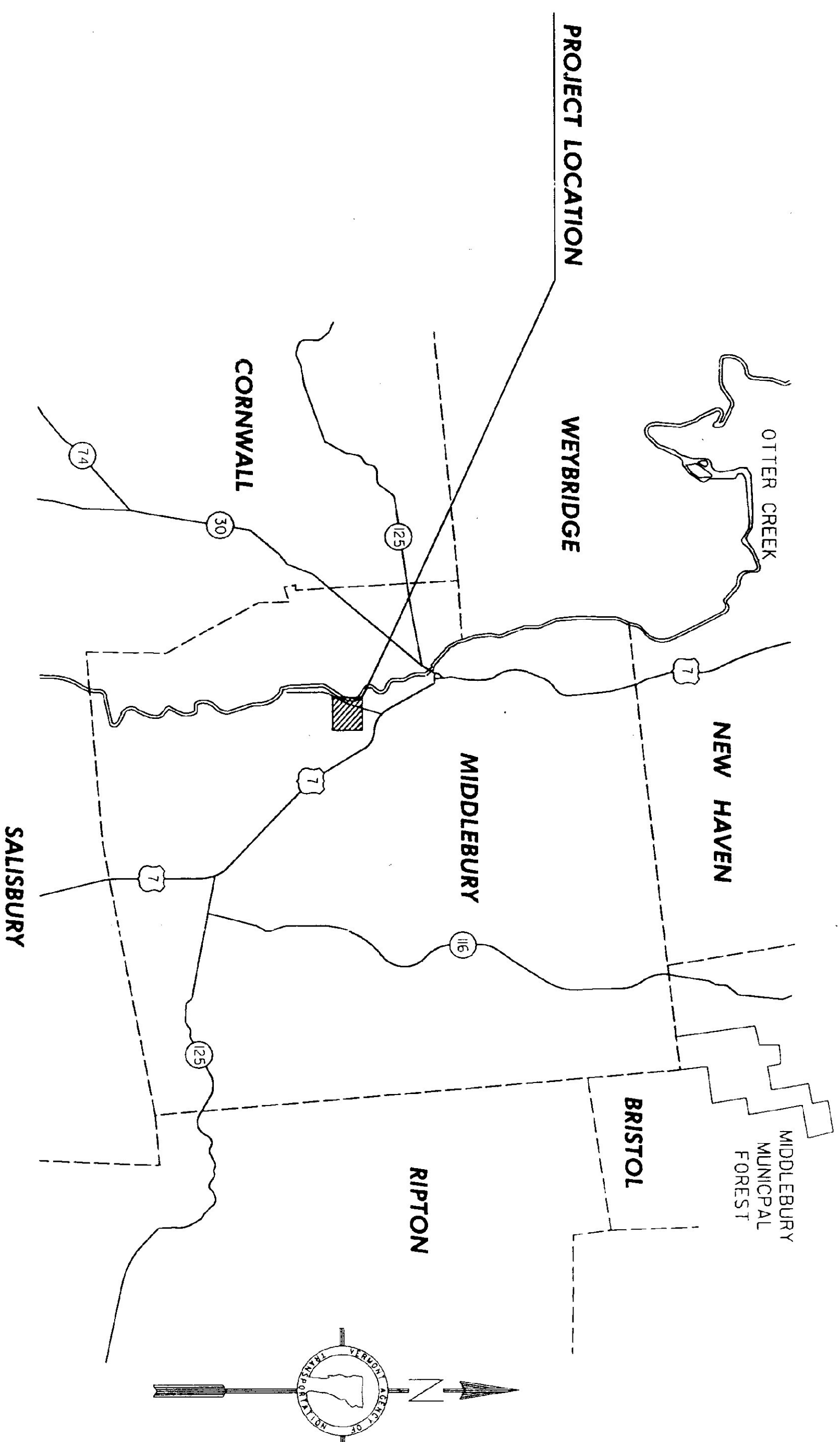
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STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
CONSTRUCTION OF NEW
SAND-SALT SHEDS
TOWN OF MIDDLEBURY
COUNTY OF ADDISON

WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES
CONSTRUCTION OF A NEW SAND-SALT SHEDS, SITE WORK,
PAVING, DRAINAGE, LANDSCAPING, AND INCIDENTAL ITEMS.



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

APPROVED *David A. Rice* DATE *3/3/99*
DIRECTOR OF MAINTENANCE

PROJECT MIDDLEBURY STP SALT(9)
SHEET 1 OF 5 SHEETS

DATUM
VERTICAL
HORIZONTAL



28 JAN 1999

FEB 12 1999

QUANTITY SHEET

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

APPROXIMATE SUMMARY OF QUANTITIES							
				QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.
				1000	CY	COMMON EXCAVATION	203.15
				230	CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28
				200	CY	EARTH BORROW	203.30
				4900	SY	FINE GRADING-SUBGRADE	203.40
				550	CY	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.26
				8	CWT	EMULSIFIED ASPHALT	404.65
				870	TON	BITUMINOUS CONCRETE PAYEMENT (PG 58-28)	406.25
				30	CY	CONCRETE, CLASS B	501.25
				1400	LB	REINFORCING STEEL	507.15
				10	GAL	WATER REPELLENT	514.10
				1	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE 1 (NOT A BID ITEM)	608.25
				1	HR	TRUCK RENTAL (NOT A BID ITEM)	608.37
				12	MGAL	DUST CONTROL WITH WATER	609.10
				10	CY	STONE FILL, TYPE 1	613.10
				1	LS	TESTING EQUIPMENT - CONCRETE	631.16
				1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17
				1	LS	MOBILIZATION	635.10
				30	SY	GEOTEXTILE UNDER STONE FILL	649.31
				290	SY	GEOTEXTILE FOR SILT FENCE	649.51
				50	LB	SEED	651.15
				300	LB	FERTILIZER	651.18
				2	TON	AGRICULTURAL LIMESTONE	651.20
				2	TON	HAY MULCH	651.25
				100	EA	HAY BALES FOR EROSION CONTROL	651.26
				170	CY	TOPSOIL	651.35
				150	SY	EROSION MATTING	654.10
				1	LS	ROADSIDE REST FACILITY (MOD.) (2 SALT/SAND SHEDS 40' x 84')	658.15
						DECIDUOUS TREES	
						(ACER RUBRUM) RED SWAMP MAPLE (212.5" CAL.)	656.30 *
						(QUERCUS RUBRA) RED OAK (212.5" CAL.)	656.30 *
						* ITEM OUT OF ORDER	

[illegible][illegible][illegible]

NOTES:

1. ALL PROPOSED PAVEMENT SHALL HAVE A 1/4" THICK TYPE II WEARING COURSE AND A 3/4" THICK TYPE II BINDER COURSE, ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
2. TACK COAT, ITEM 404.65, EMULSIFIED ASPHALT, IS TO BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANE SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.05 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. AREAS NOTED ON THE PLANS TO HAVE EXISTING SURFACES REMOVED (PAID AS ITEM 203.28, EXCAVATION OF SURFACES AND PAVEMENTS, UNLESS OTHERWISE NOTED), SHALL HAVE CLEAN CUT EDGES ALONG JOINTS, TAKING CARE TO NOT DISTURB REMAINING PAVEMENT AND/OR SUBBASE. THE EXCAVATED MATERIAL SHALL BE REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER.
- EXISTING SUBBASE MATERIAL, DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3' +/- OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL SHALL BE USED AS BORROW OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 203.28 EXCAVATION OF SURFACES AND PAVEMENTS, UNLESS OTHERWISE NOTED.
- MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED).
- ALONG THE CUT EDGES OF PAVEMENT, THE SUBBASE SHALL BE BROUGHT UP TO GRADE WITH ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED), AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAILS ON THIS SHEET.

4. UPON COMPLETION OF THE GRADING OPERATIONS FOR EARTH SLOPE AREAS, THE CONTRACTOR SHALL IMMEDIATELY ESTABLISH VEGETATION IN ACCORDANCE WITH THE SEEDING REQUIREMENTS ON THIS SHEET.
5. SEE VAOT STANDARD DRAWINGS T-1 AND T-2 FOR TEMPORARY EROSION CONTROL DETAILS.
6. ALL EXISTING MATERIAL STORED ON SITE (SAND, COLD PLANE GRINDINGS, BRUSH, ECT.) SHALL BE REMOVED BY VAOT PRIOR TO CONSTRUCTION.
7. UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE VAOT IN DETERMINING ACTUAL LOCATION OF UTILITIES.

8. CONTRACTOR SHALL SUPPLY UNDERGROUND POWER TO NEW SHEDS, AND SHALL CONTACT THE LOCAL POWER COMPANY(S) CONCERNING THIS WORK. ANY EXISTING CIRCUITS MAY BE USED IF APPLICABLE. CONTRACTOR SHOULD FIELD VERIFY EXISTING CIRCUITS. GENERAL WIRING SHALL BE PVC CONDUIT WITH WIRE SUITABLE FOR UNDERGROUND OR WET LOCATION WITH NOT MORE THAN 3% VOLTAGE DROP FROM SOURCE TO END OF CIRCUIT, AND SHALL MEET ALL LOCAL AND NEC REQUIREMENTS. CONTRACTOR SHALL SUPPLY RESIDENT ENGINEER WITH A SKETCH SIGNED BY A MASTER ELECTRICIAN, SHOWING ROUTING AND METHOD OF LAYING CONDUIT/SUPPLY WIRING, AND COPIES OF ALL ELECTRICAL PERMITS.

CIRCUITS AND WIRING SHALL HAVE ENOUGH CAPACITY TO ALLOW FUTURE EXTENSION (BY OTHERS) TO ACCOMMODATE A CHLORIDE PUMP AND AN OVERHEAD LIGHT (BY OTHERS). ASSUME THE CHLORIDE TANK INSTALLATION (BY OTHERS) WILL BE WITHIN 50' OF THE SALT/SAND SHED THAT IS FURTHEST FROM THE POWER SOURCE. CHECK WITH DISTRICT ON PUMP POWER REQUIREMENTS.

ALL COSTS ASSOCIATED WITH THIS WORK (EXTENSION OF EXISTING POWER SUPPLY TO PROPOSED STRUCTURES) INCLUDING ALL TOOLS, EQUIPMENT, MATERIALS, LABOR AND INCIDENTALS NECESSARY TO PROVIDE A FULL FUNCTIONAL ELECTRICAL SYSTEM/SUPPLY, AND ALL ELECTRICAL PERMITS) WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 658.45 - ROADSIDE REST FACILITY (MODIFIED).

ALL COSTS ASSOCIATED WITH REMOVAL OF EXISTING UTILITY POLES AND OVERHEAD AERIAL LINES WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 202.10 - DEMOLITION AND DISPOSAL OF BUILDING.

SEEDING FORMULA			
RURAL AREAS			
% WT.	LBS./A.	NAME	PUR. %
37.5	22.5	CREEPING RED FESCUE	98
37.5	22.5	TALL FESCUE	95
5.0	3.0	RED TOP	95
15.0	9.0	BIRDSFOOT TREFOIL	98
5.0	3.0	ANNUAL RYE GRASS	95

SEEDING FORMULA			
URBAN AREAS			
% WT.	LBS./A.	NAME	PUR. %
42.5	34.0	CREEPING RED FESCUE	98
10.0	8.0	PERENNIAL RYE GRASS	95
42.5	34.0	KENTUCKY BLUE GRASS	85
5.0	4.0	ANNUAL RYE GRASS	95

SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

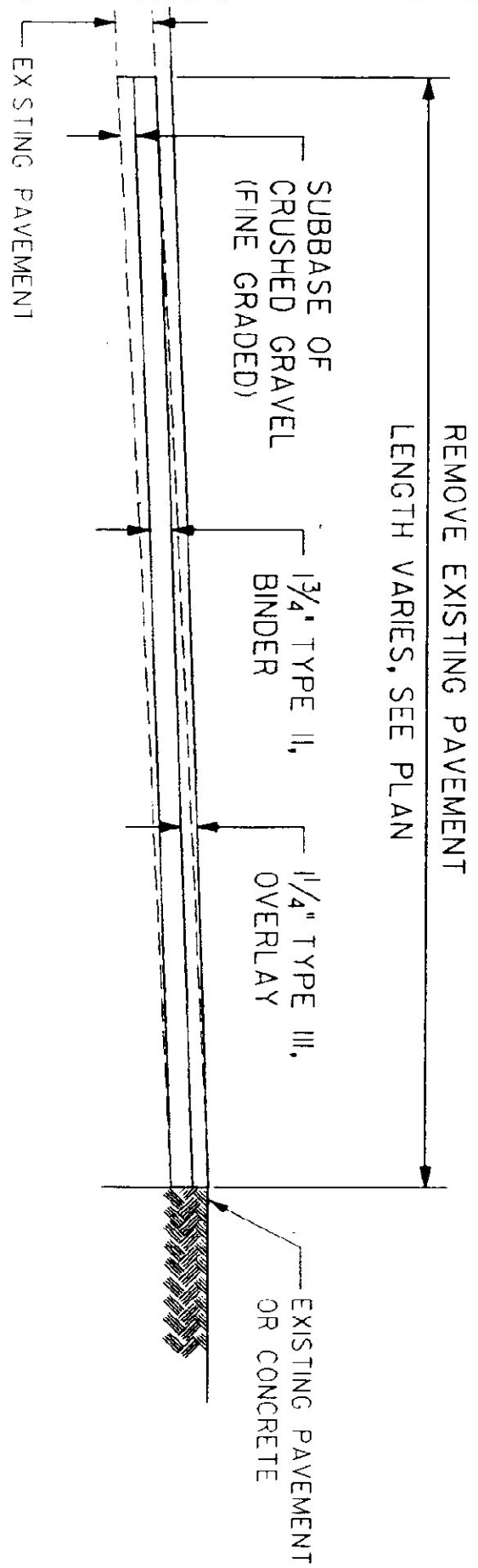
SEEDS TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10 TO BE USED WITH SEED APPLIED AT THE RATE OF 500 LBS./ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

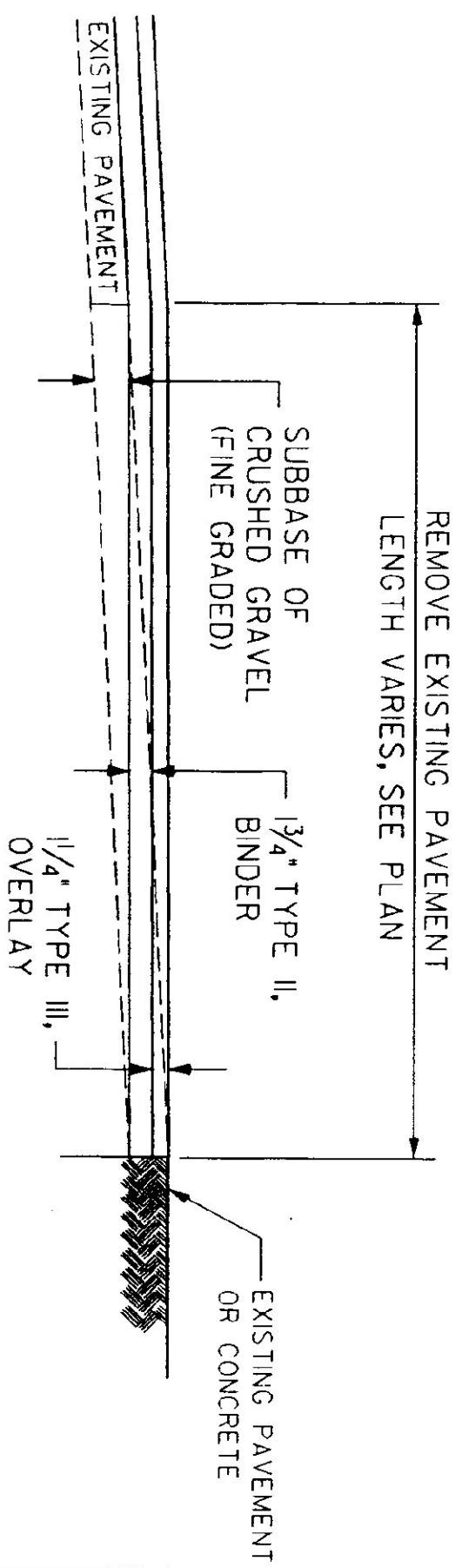
HAY MULCH TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



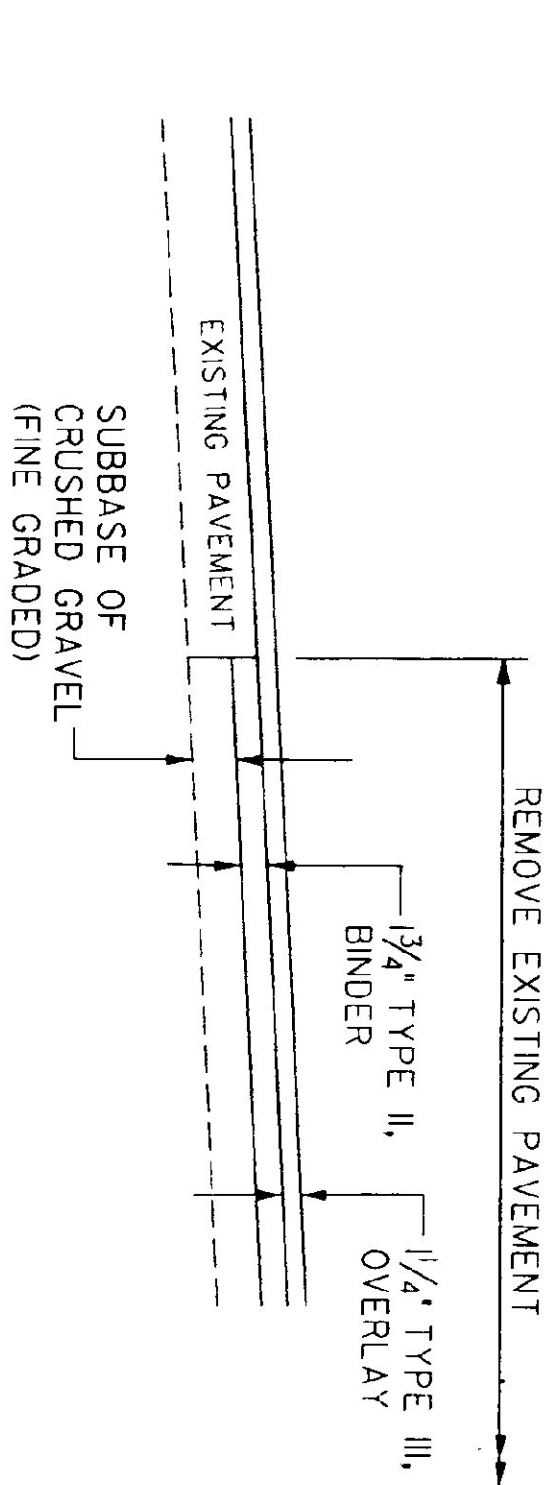
DETAIL - A

- ☐ This detail applies to this project
- ☒ This detail does not apply to this project



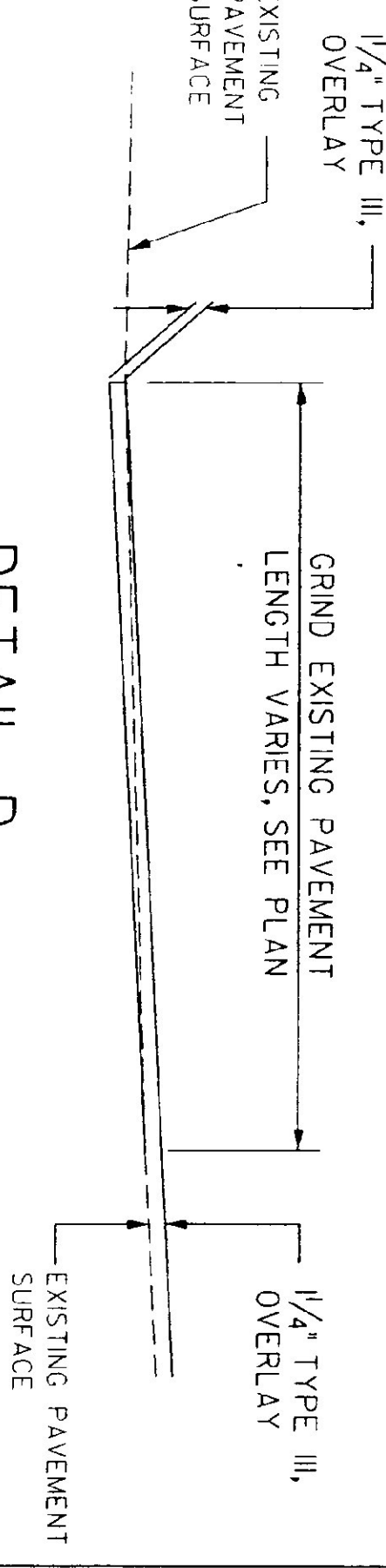
DETAIL - B

- ☐ This detail applies to this project
- ☒ This detail does not apply to this project



DETAIL - C

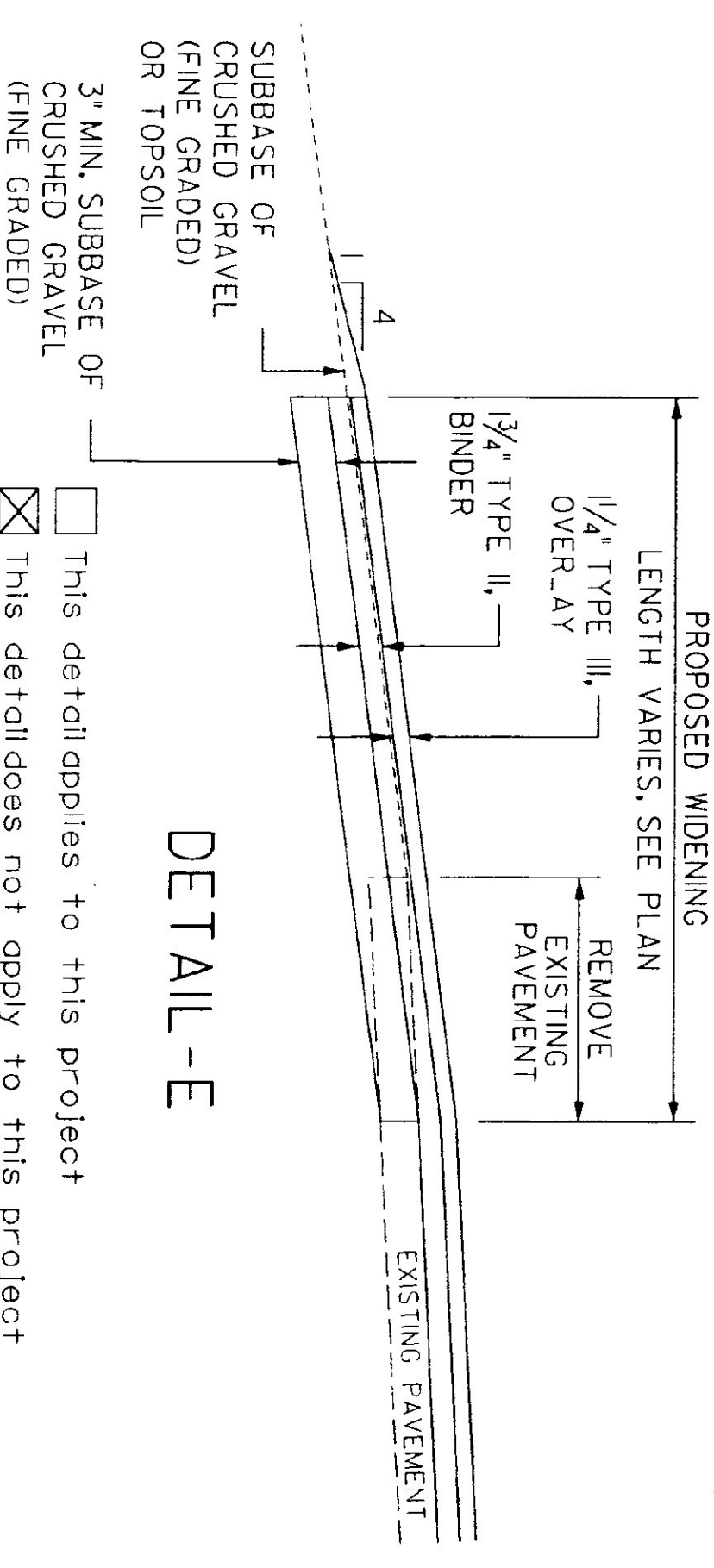
- ☒ This detail applies to this project
- ☐ This detail does not apply to this project



DETAIL - D

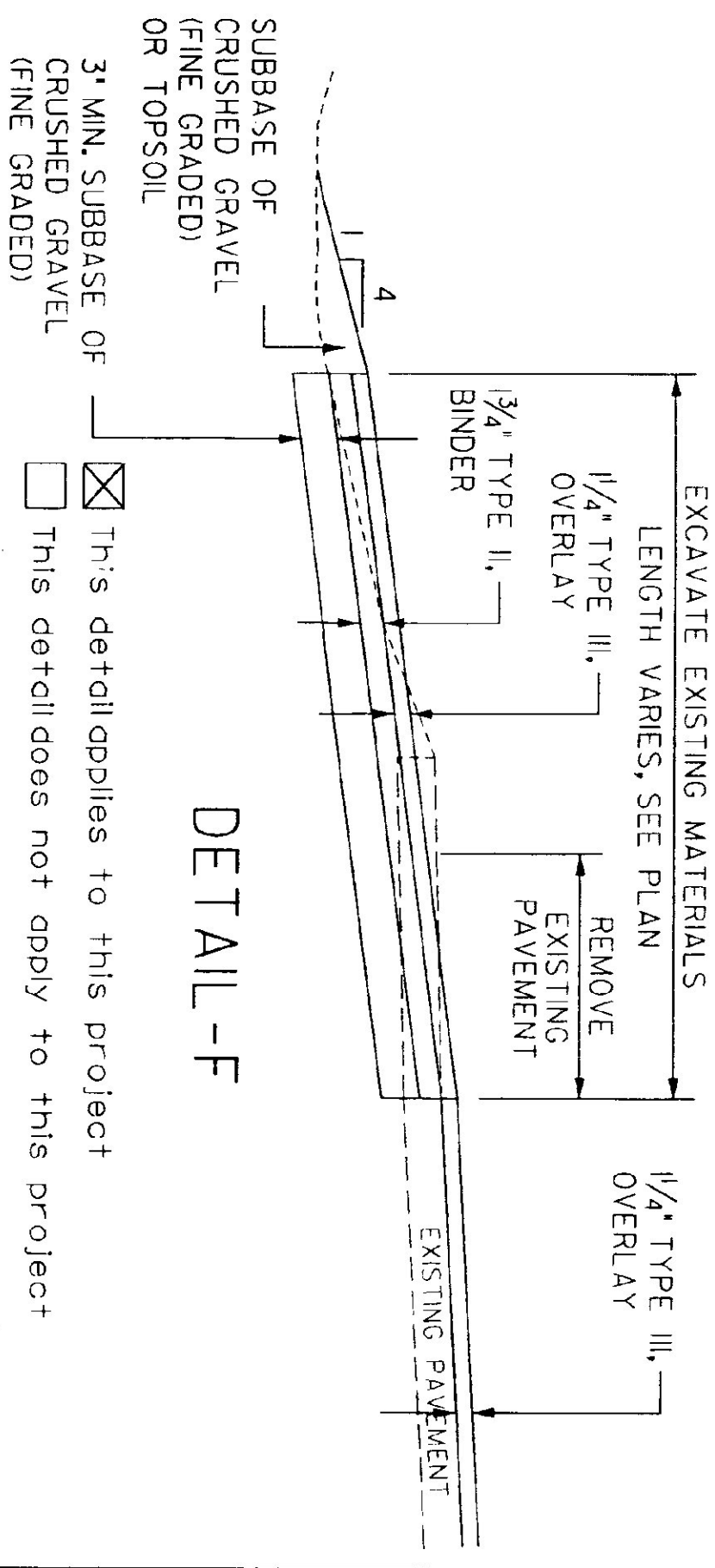
PAVEMENT GRINDING DETAIL
(PAID AS BITUMINOUS CONCRETE PAVEMENT)

- ☒ This detail applies to this project
- ☐ This detail does not apply to this project



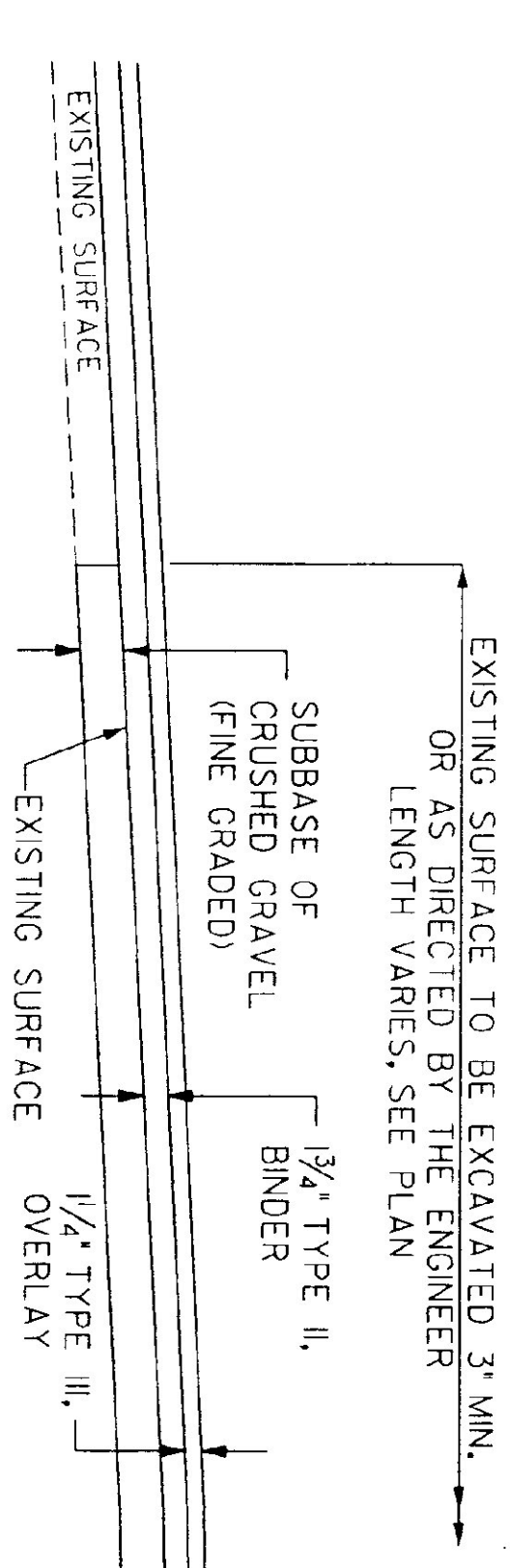
DETAIL - E

- ☐ This detail applies to this project
- ☒ This detail does not apply to this project



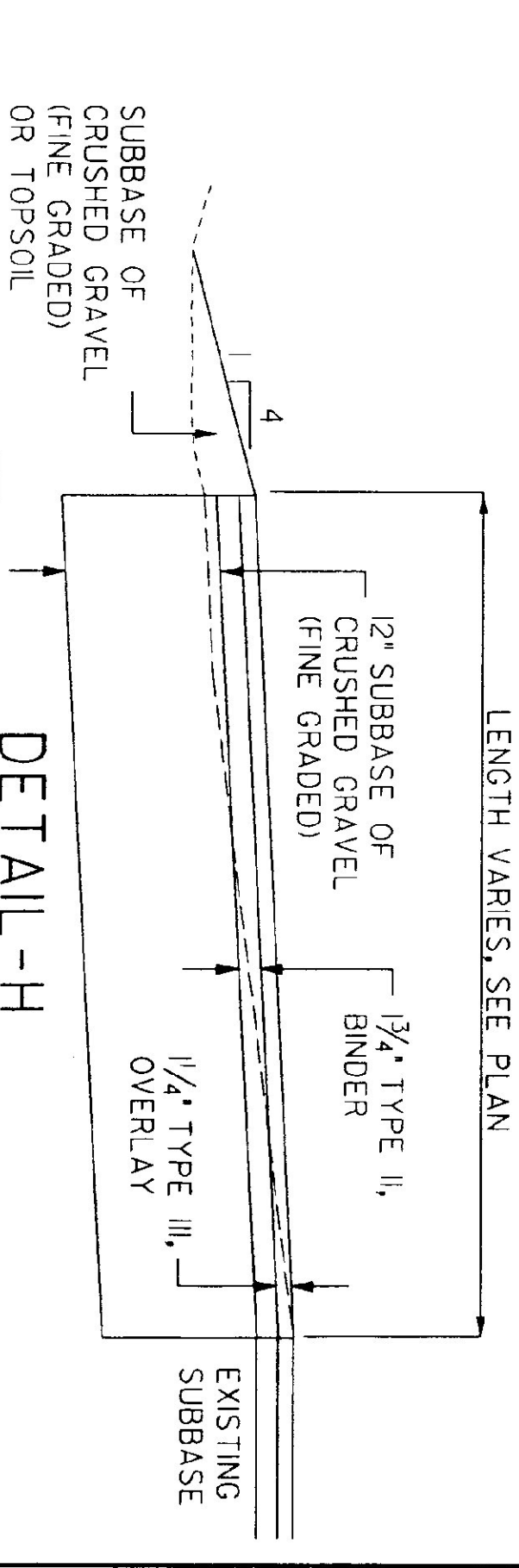
DETAIL - F

- ☒ This detail applies to this project
- ☐ This detail does not apply to this project



DETAIL - G

- ☐ This detail applies to this project
- ☒ This detail does not apply to this project

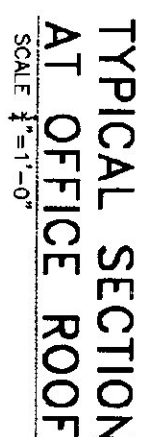


DETAIL - H

- ☒ This detail applies to this project
- ☐ This detail does not apply to this project

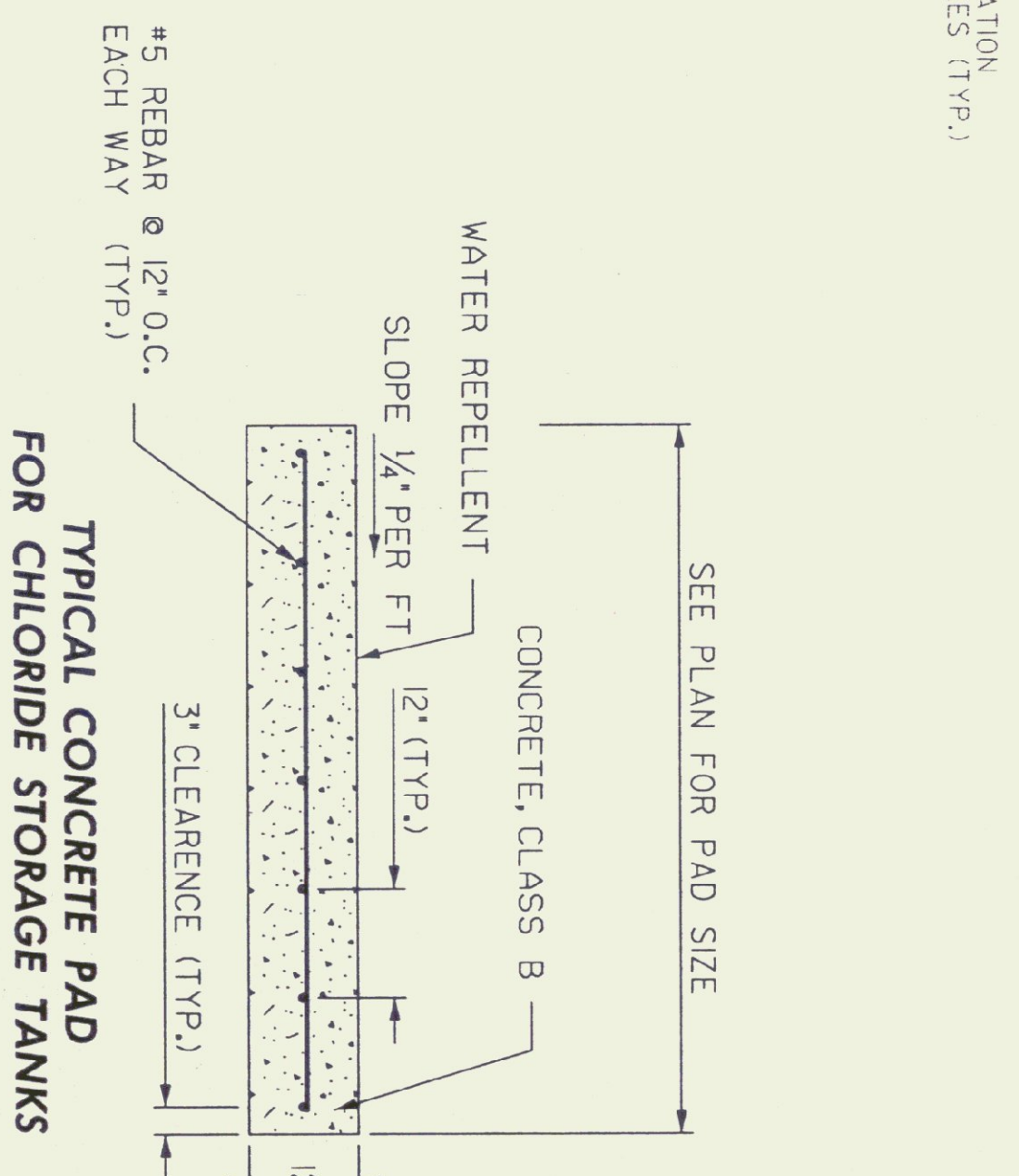
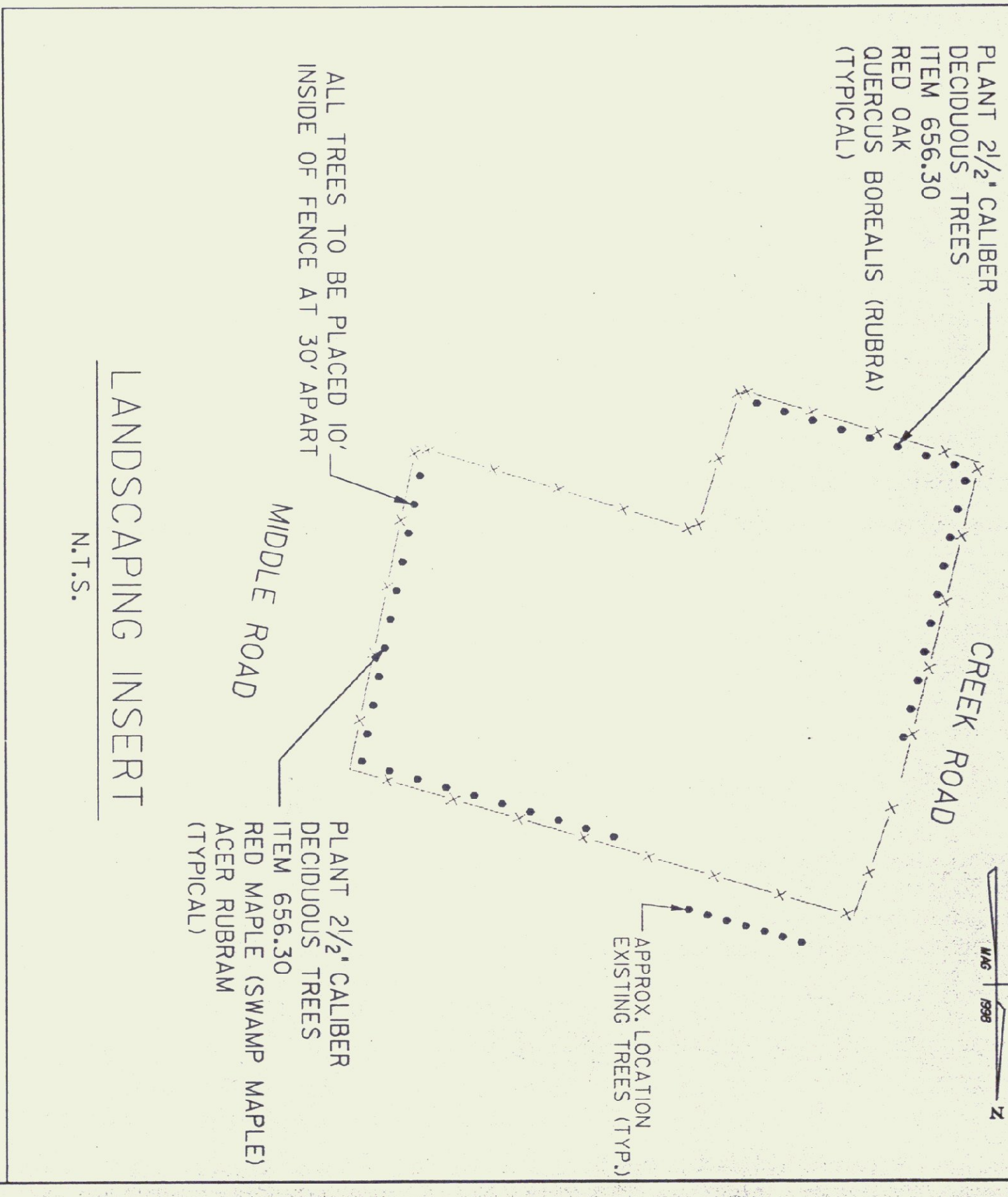
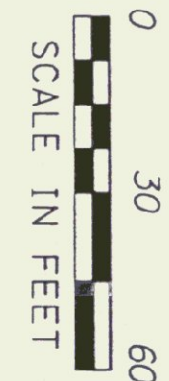
DATUM
VERTICAL _____
HORIZONTAL _____

CLEP
CONSULTING
ENGINEERS
INC.
1400 CONVENT RD., SUITE 100
FARMINGTON, CT 06031
TEL: (860) 658-9223
FAX: (860) 658-9802
E-MAIL: CLEP@CLEPENGINEERS.COM



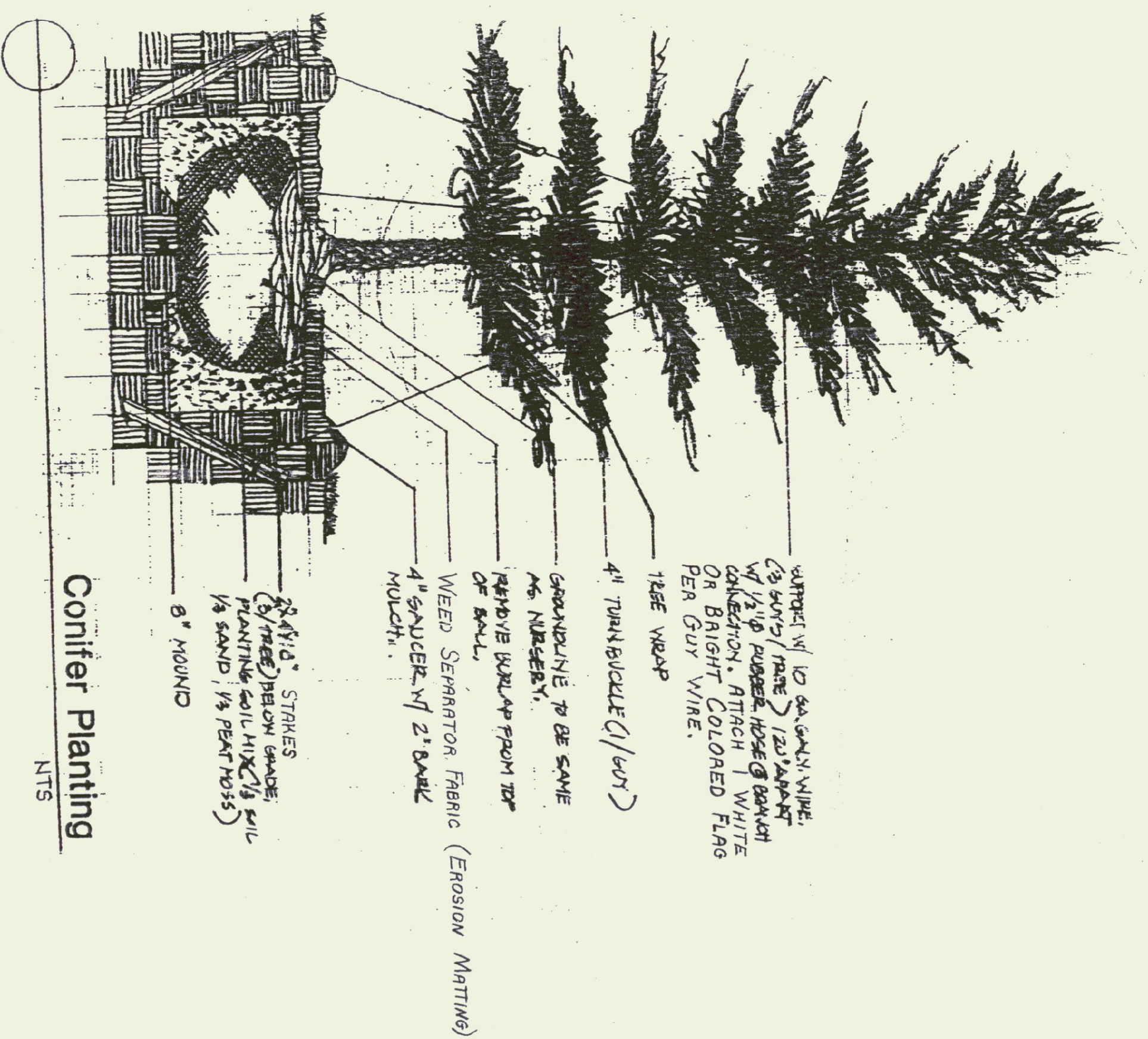


- LEGEND**
- PUG — PROPOSED UNDERGROUND ELECTRIC
 - EUG — EXISTING UNDERGROUND ELECTRIC
 - EUGF — EXISTING UNDERGROUND FUEL LINE



PROJECT:	PROJECT NO.:
MIDDLEBURY SALT SHED	STP SALT(9)
DESIGN FILE NAME: 98215BDR.DGN	PLOT DATE: 12 FEB 1999
PARM FILE NAME:	OLD ENGINEERS
SURVEYED BY: J. WARNER	SURVEY DATE: JULY 98
SOUND LEADER:	DRAWN BY: P. HOLLI
	SHEET: 50-2

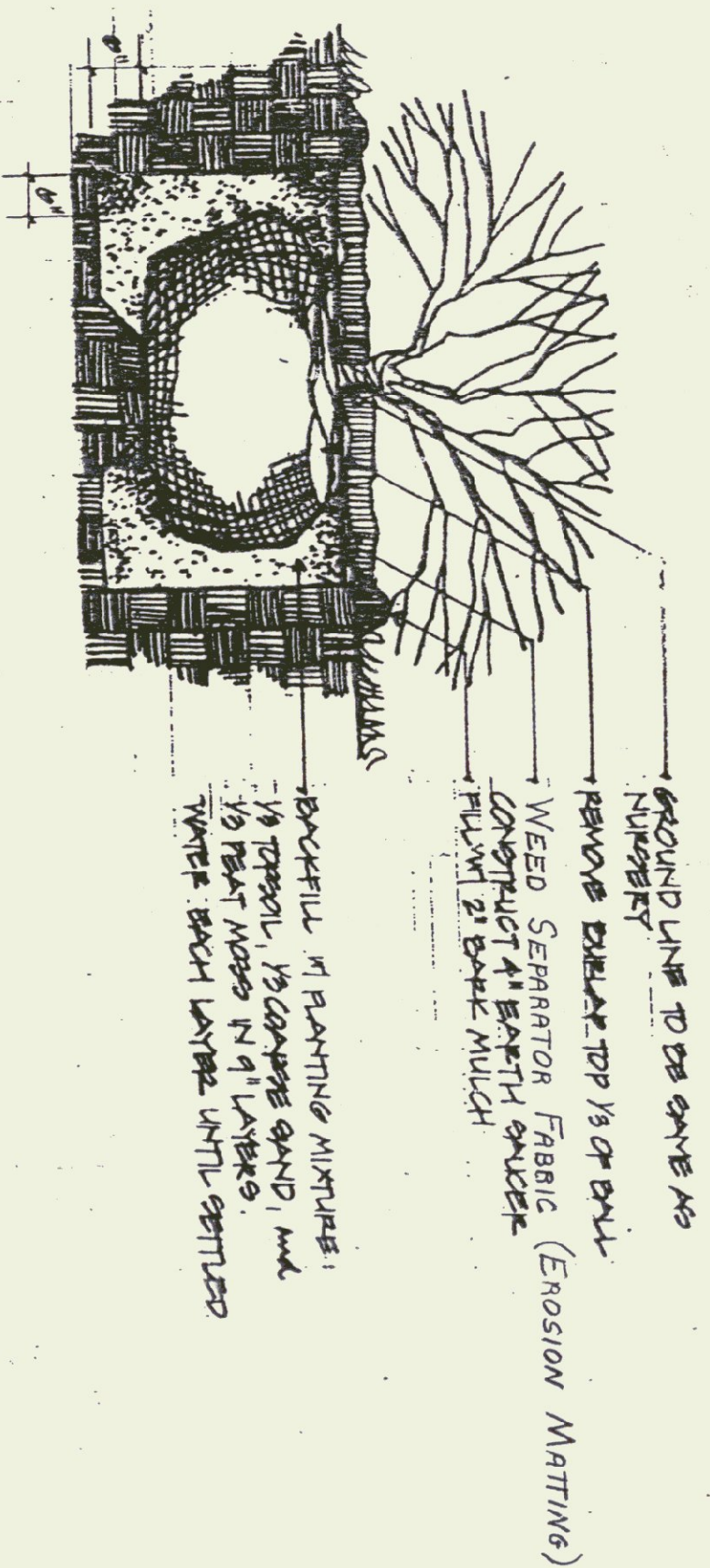
PLANTING DETAILS



Conifer Planting

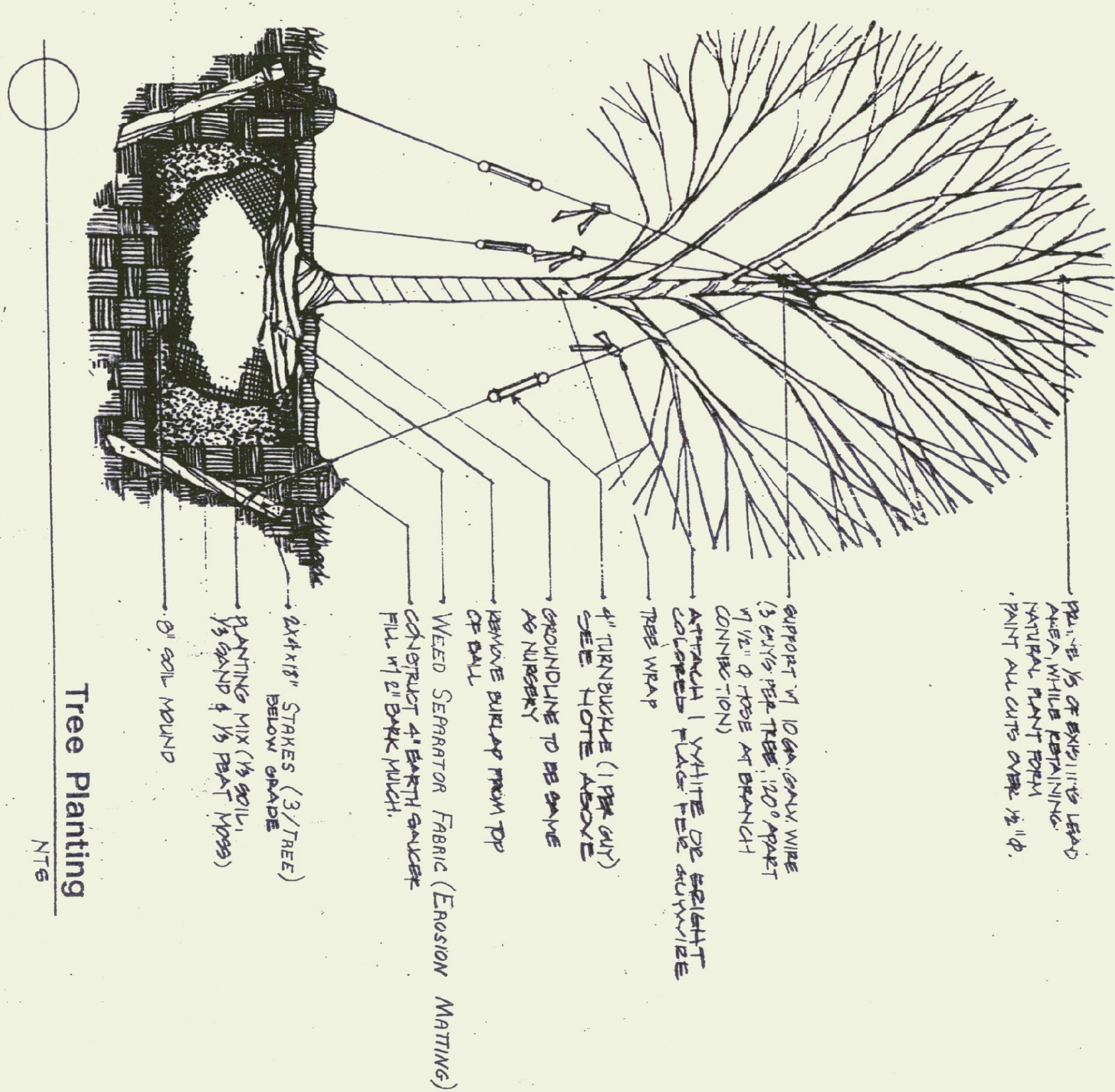
NTS

* NOTE: ALL WORK AND MATERIALS SHOWN ON THIS SHEET FOR PLANTING TO BE INCLUDED IN THE BID PRICE FOR EACH PLANTING ITEM.



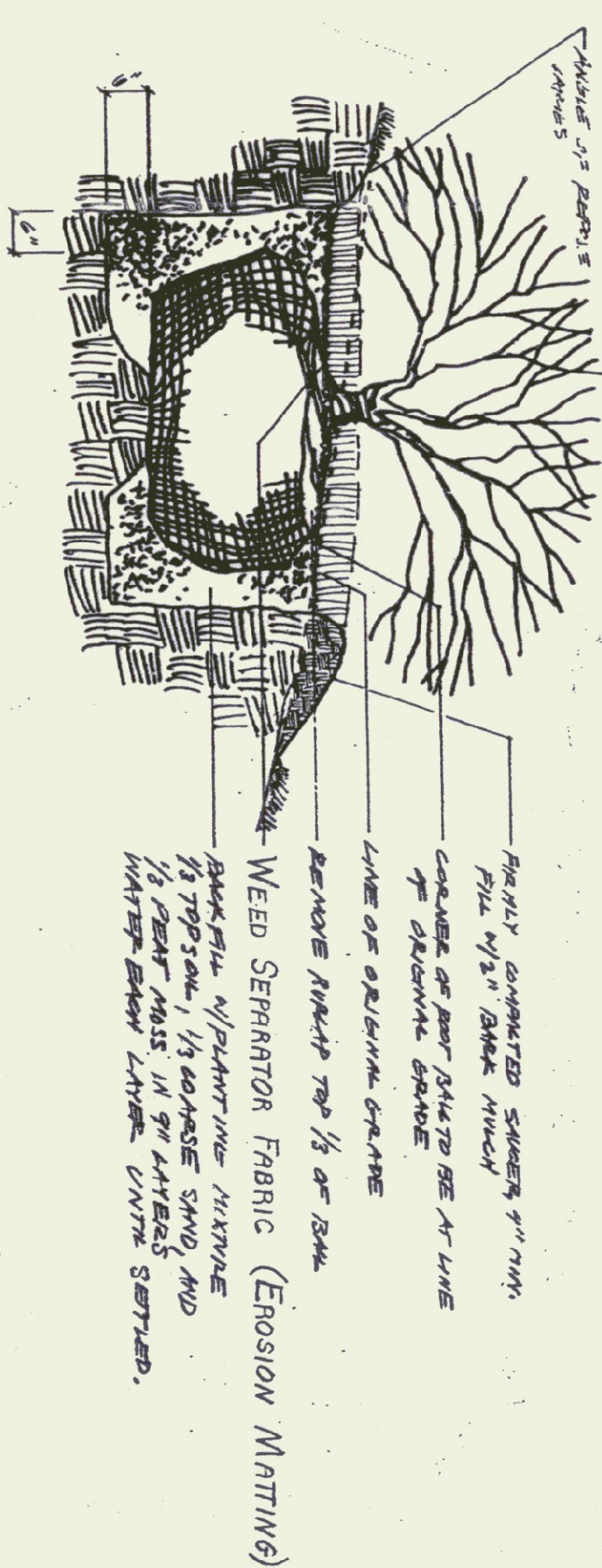
Shrub Planting

NTS



Tree Planting

NTe



Shrub Planting On Slope

N75

DRAWN BY _____ SQUAD _____
SQUAD LEADER _____ S.M.E.N.A.R.D.
DESIGN FILE NO. _____ / (scm/91qz20i/da220di)
FILE _____ da220di _____ DATE _____
PROJ. NAME _____ MIDDLEBURY _____
PROJ. NO. _____
SHEET 6 OF 6 SHEETS