

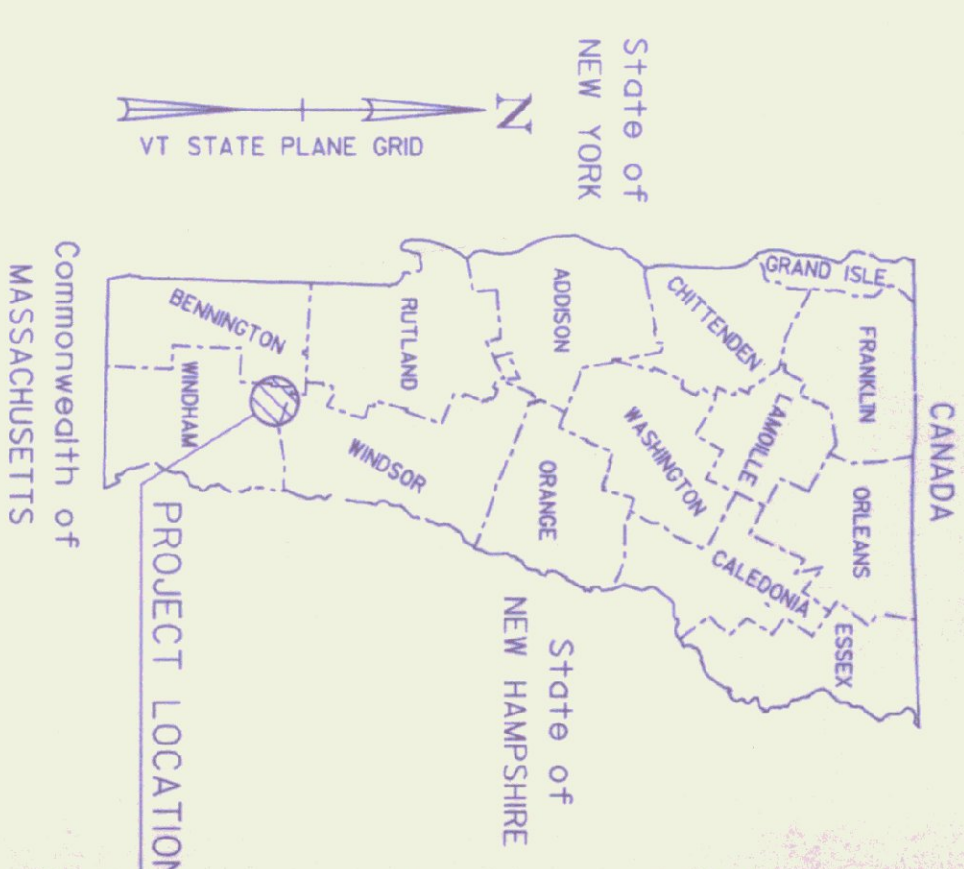
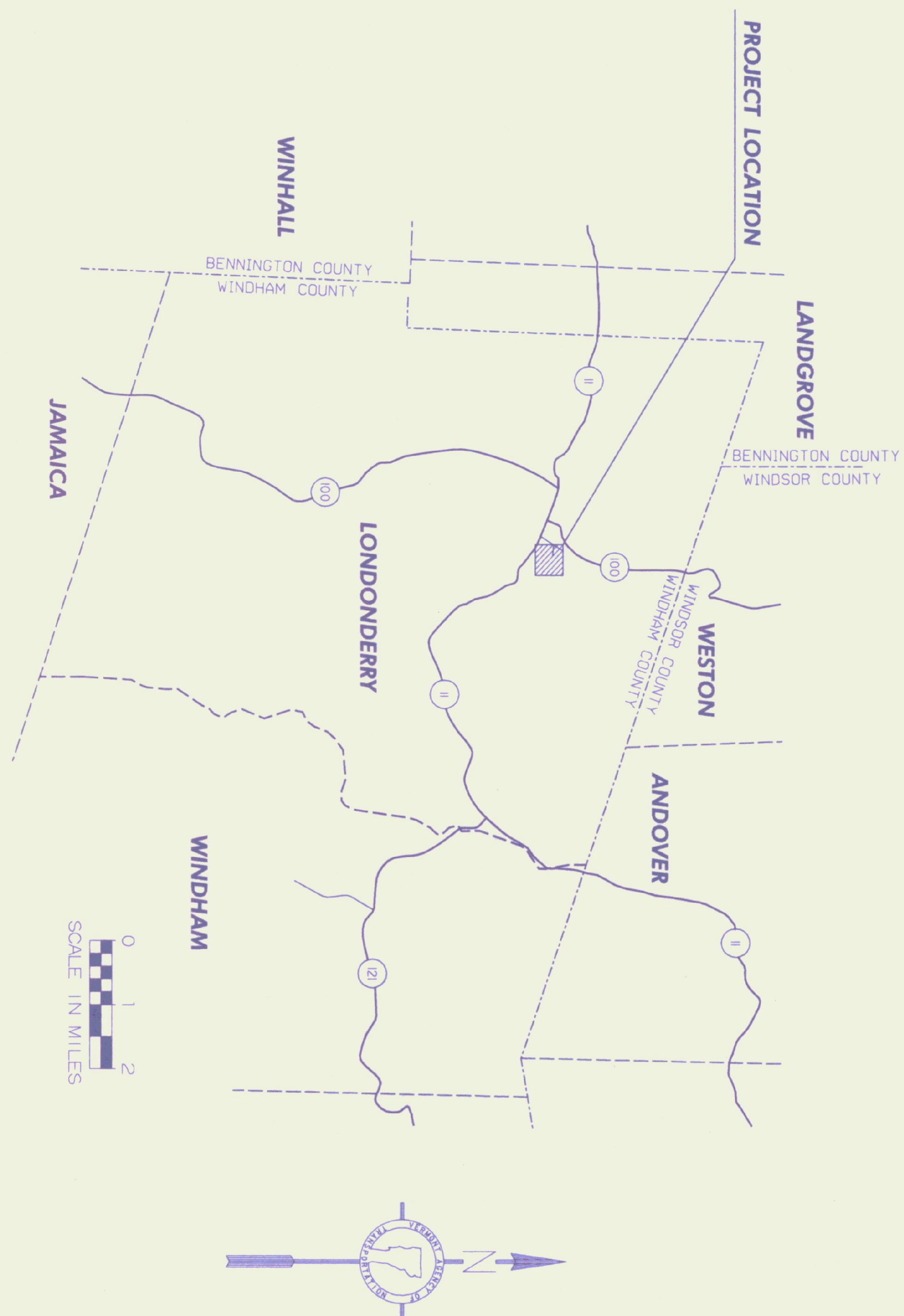
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STATE OF VERMONT
 AGENCY OF TRANSPORTATION

 PROPOSED IMPROVEMENT
 CONSTRUCTION OF NEW
 SAND-SALT SHEDS
 TOWN OF LONDONDERRY
 COUNTY OF WINDHAM

WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES
 CONSTRUCTION OF 3 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 _____	DATE _____
DIRECTOR OF MAINTENANCE	
PROJECT LONDONDERRY STP SALT(S)	
SHEET 1 OF 5 SHEETS	

DATUM
 VERTICAL _____
 HORIZONTAL _____



NOTES:

1. ALL PROPOSED PAVEMENT SHALL HAVE A 1/4" THICK TYPE III WEARING COURSE AND A 1/2" 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 PLACED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.015 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 AND DISPOSED OF PROPERLY, 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 AND DISPOSED OF PROPERLY, 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 301.26, SUBBASE OF CRUSHED GRAVEL (FINE GRADED).
- ALONG THE CUT EDGES OF PAVEMENT, THE SUBBASE SHALL BE BROUGHT UP TO GRADE WITH ITEM 301.26, 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 SLOPES 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, ETC.) 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). CONTRACTOR SHALL SUPPLY UNDERGROUND POWER TO NEW SHEDS, AND SHALL CONTACT THE LOCAL POWER COMPANY(S). CONTRACTOR SHALL SUPPLY UNDERGROUND POWER TO NEW SHEDS, AND SHALL CONTACT THE LOCAL POWER COMPANY(S). CONTRACTOR SHALL SUPPLY UNDERGROUND POWER TO NEW SHEDS, AND SHALL CONTACT THE LOCAL POWER COMPANY(S).
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- 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 STRUCTURE(S) 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 658.15 - 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.	PUR. %	GERM. %
37.5	22.5	98	85
37.5	22.5	95	90
5.0	3.0	95	90
15.0	9.0	98	85
5.0	3.0	95	85
100.0	60.0		

SEEDING FORMULA			
URBAN AREAS			
% WT.	LBS./A.	PUR. %	GERM. %
42.5	34.0	98	85
10.0	8.0	95	90
42.5	34.0	85	85
5.0	4.0	95	85
100.0	80.0		

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.

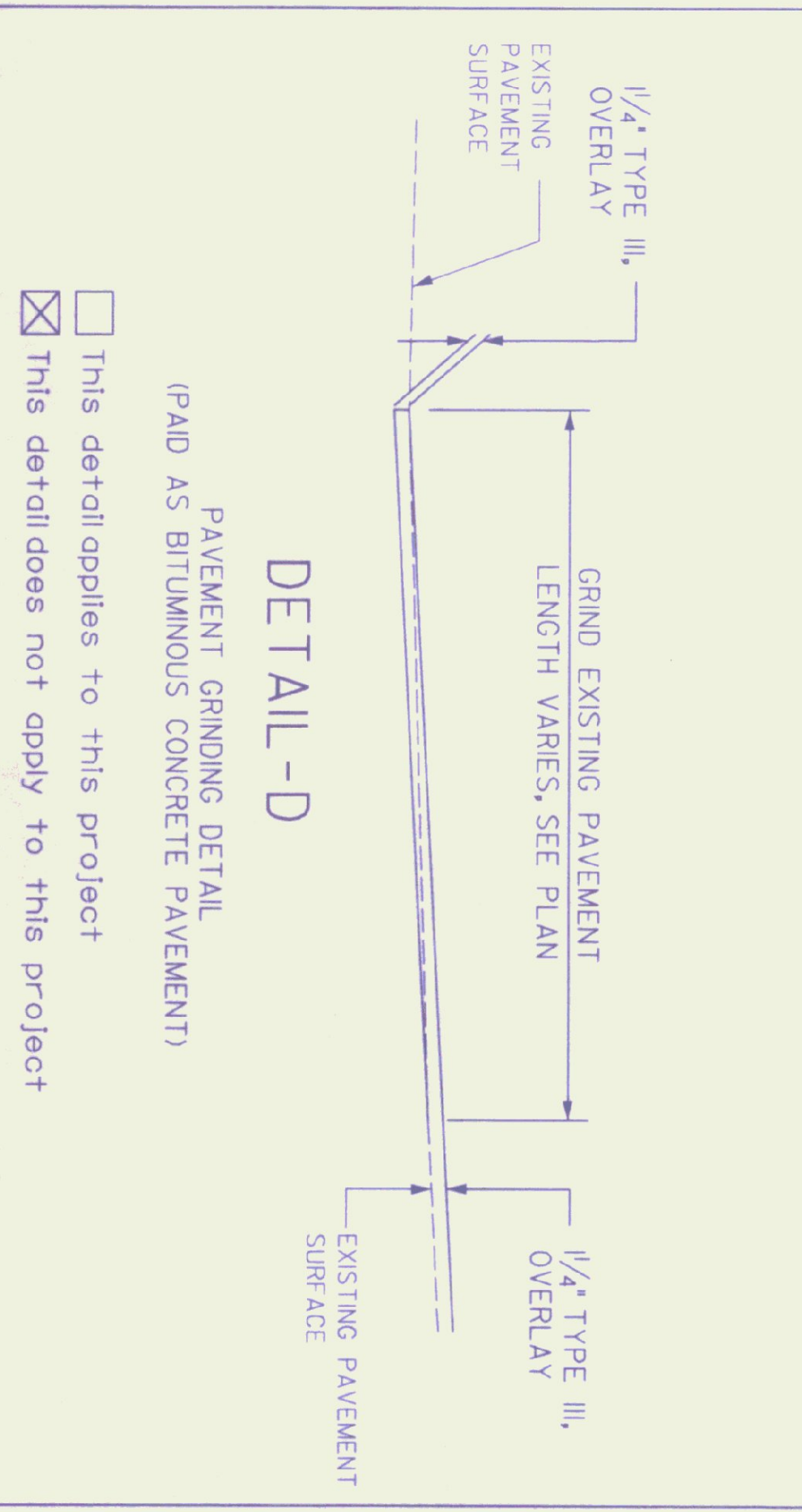
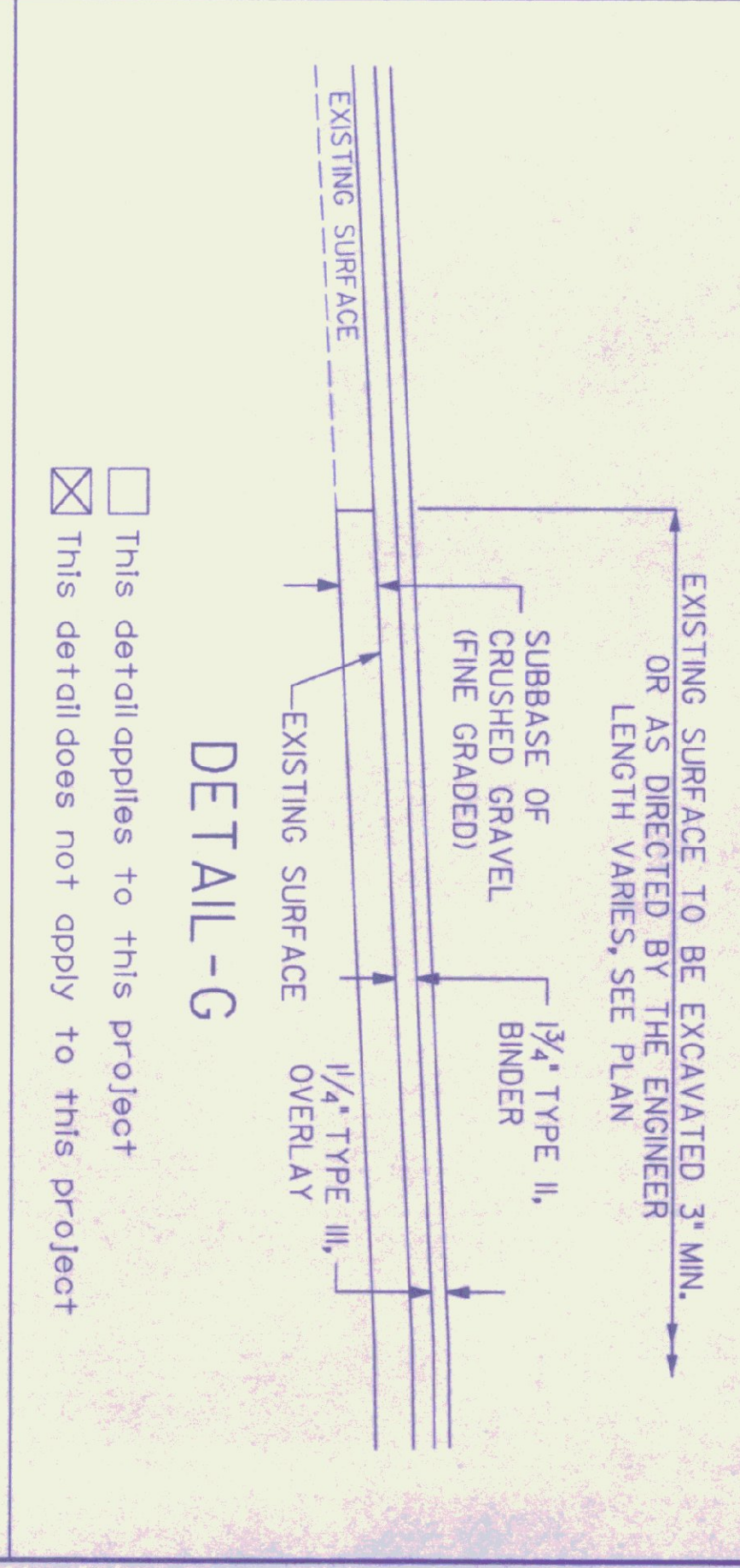
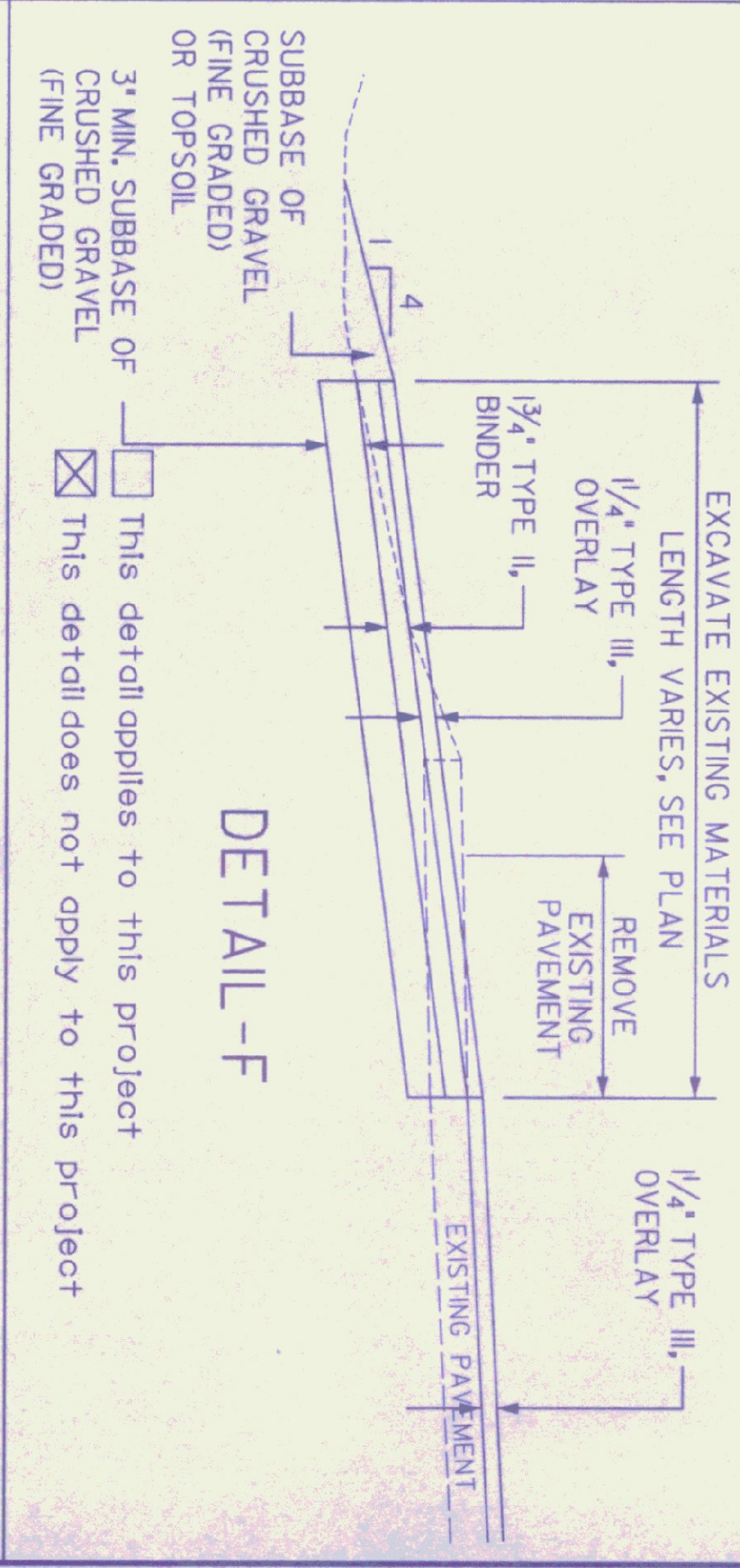
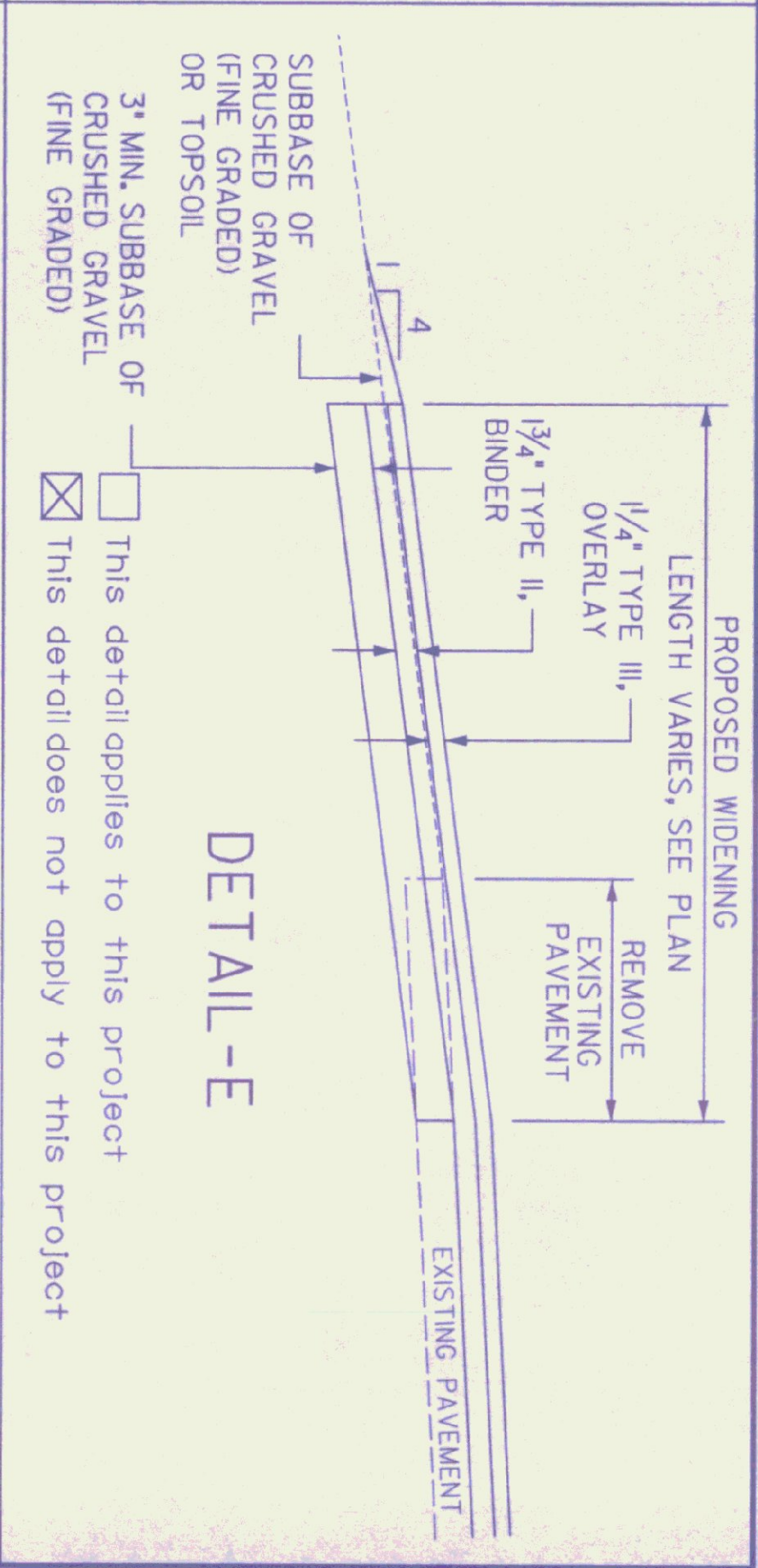
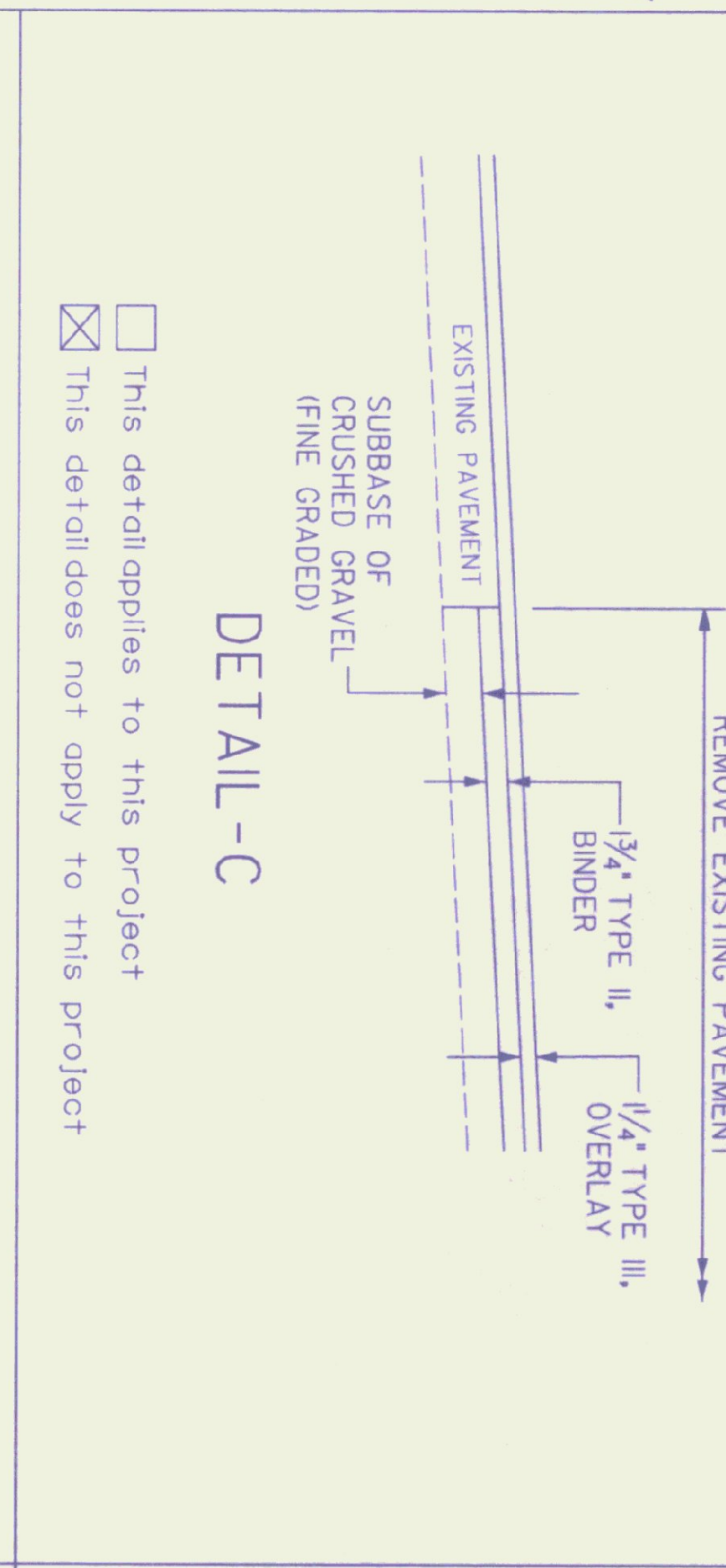
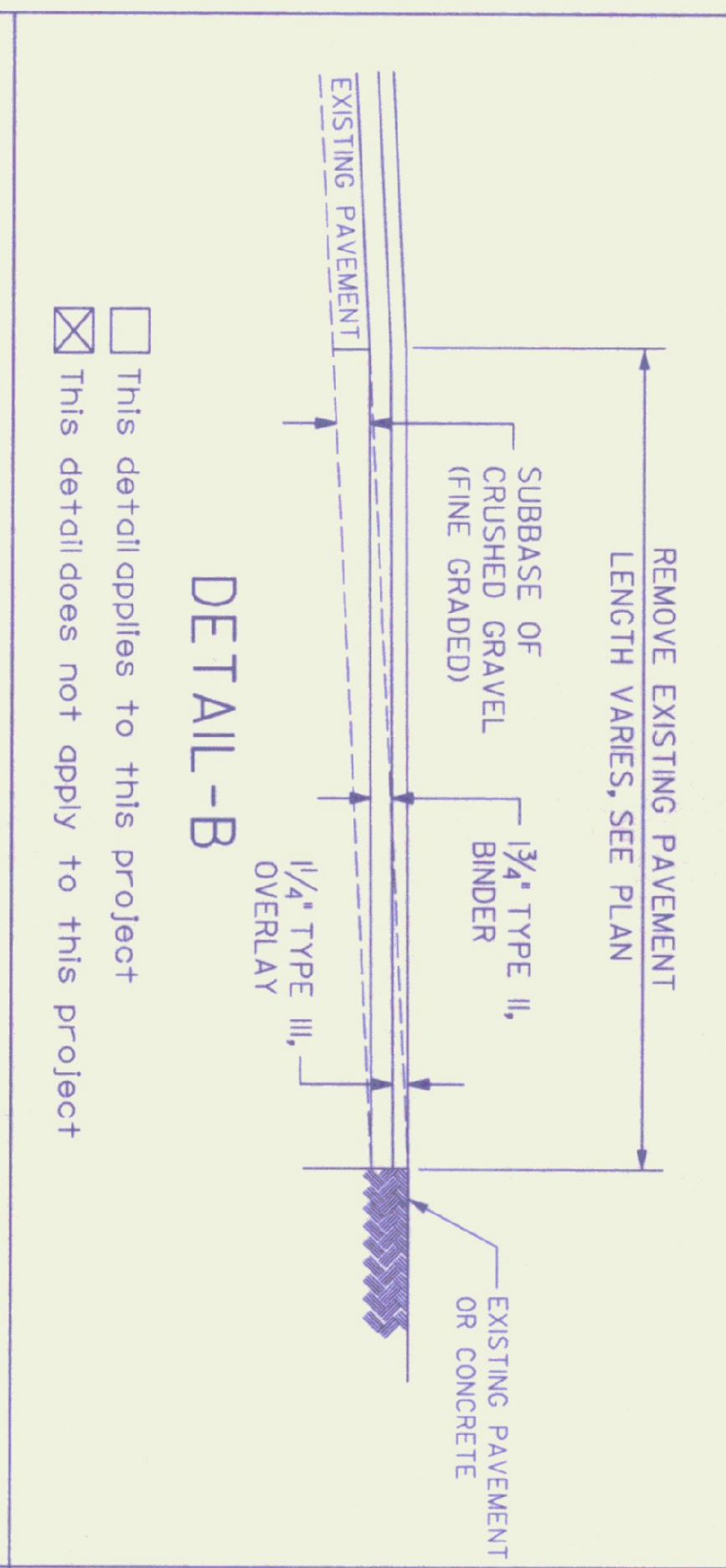
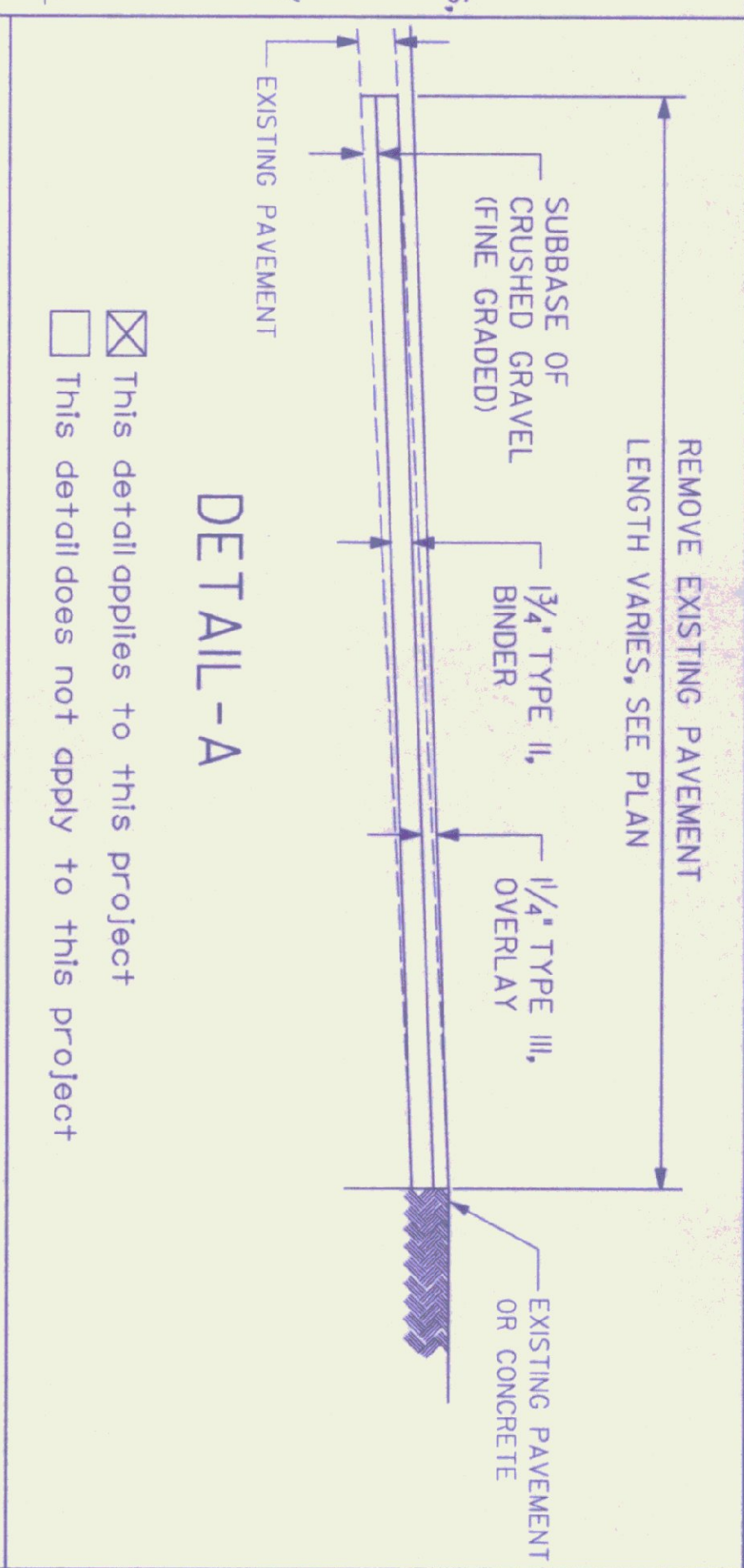
TOPSOIL TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

DATUM

VERTICAL _____

HORIZONTAL _____

CEEP
CONSULTING ENGINEERS
540 CONGRESS ST.
WINCHESTER, NH 03091
PH: (603) 889-8223
FAX: (603) 889-8802
E-MAIL: CLERK@CEEPENGINEERS.COM



DETAIL-H

LENGTH VARIES, SEE PLAN

EXISTING PAVEMENT & SUBBASE

1/4" TYPE III, OVERLAY

1/2" TYPE II, BINDER

12" SUBBASE OF CRUSHED GRAVEL (FINE GRADED)

SUBBASE OF CRUSHED GRAVEL (FINE GRADED) OR TOPSOIL

This detail applies to this project
 This detail does not apply to this project

PROJECT: LONDONDERRY SALT SHED

PROJECT NO.: STP SALT(15)

DESIGN FILE NAME: 98256TYP.dgn

IPARM FILE NAME: CLD_ENGINEERS

SURVEYED BY: J. WARNER

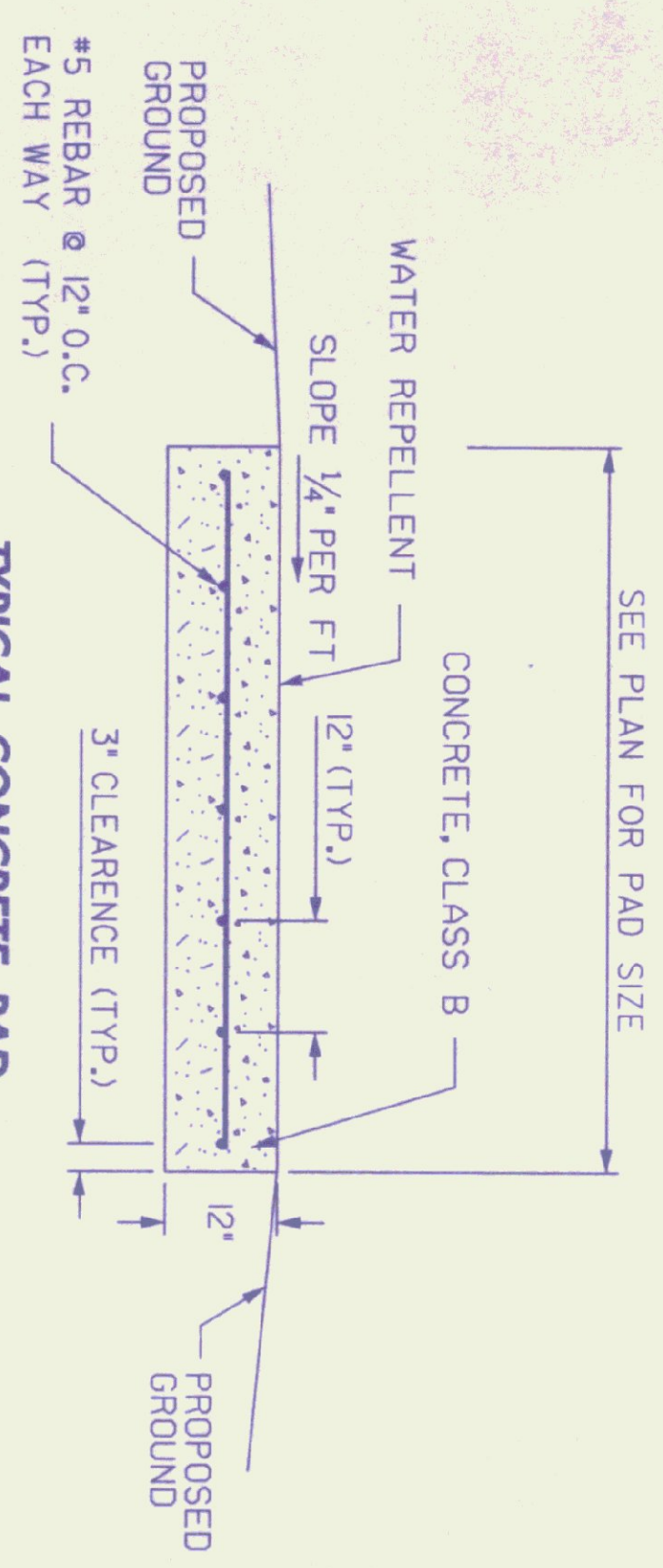
SOUND LEADER: _____

PLOT DATE: 10 FEB 2000

SURVEY DATE: N/A

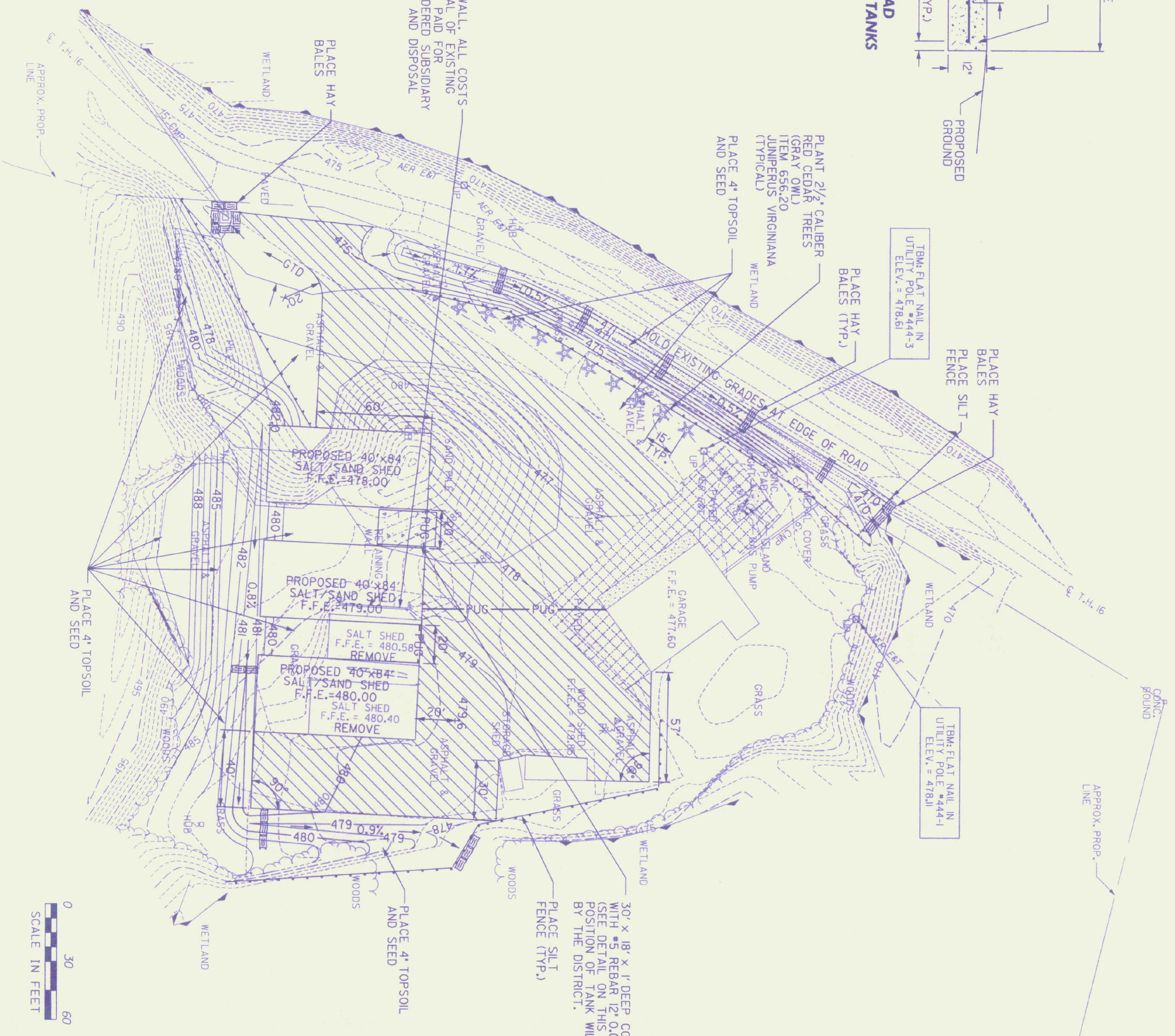
DRAWN BY: T. LUTHER

SHEET: SD-1




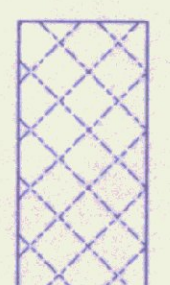
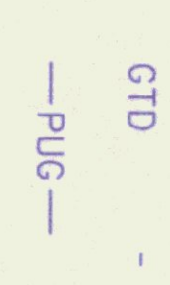
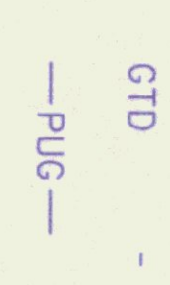
TYPICAL CONCRETE PAD FOR CHLORIDE STORAGE TANKS

REMOVE EXISTING RETAINING WALL. ALL COSTS ASSOCIATED WITH THE REMOVAL OF EXISTING RETAINING WALL WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 202.10 - DEMOLITION AND DISPOSAL OF BUILDING.

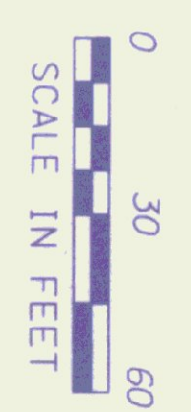


30' x 18' x 1' DEEP CONCRETE SLAB WITH #5 REBAR 12\"/>

LEGEND

-  CONSTRUCT PAVED DRIVE WITH 12\"/>
-  REMOVE EXISTING SURFACE REGRADE WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) & PAVE WITH 3\"/>
-  PUG - PROPOSED UNDERGROUND UTILITIES
-  GTD - GRADE TO DRAIN

PROPERTY LINES
PROPERTY LINE INFORMATION WAS OBTAINED FROM AN UNDATED SKETCH TITLED "LONDONDERRY" AS PROVIDED BY THE VERMONT AGENCY OF TRANSPORTATION. PROPERTY LINE INFORMATION IS SHOWN FOR GRAPHICAL PURPOSES ONLY AND SHOULD BE CONSIDERED APPROXIMATE.



PROJECT:	LONDONDERRY SALT SHED	PROJECT NO.:	SIP_SALT(15)
DESIGN FILE NAME:	2825bdr.dwg	PLOT DATE:	10 FEB 2000
IPARM FILE NAME:		SURVEY DATE:	
SURVEYED BY:	CLD CONSULTING ENGINEERS	DRAWN BY:	IRL
SOUND LEADER:	L. WARNER	SHEET:	SD-2