

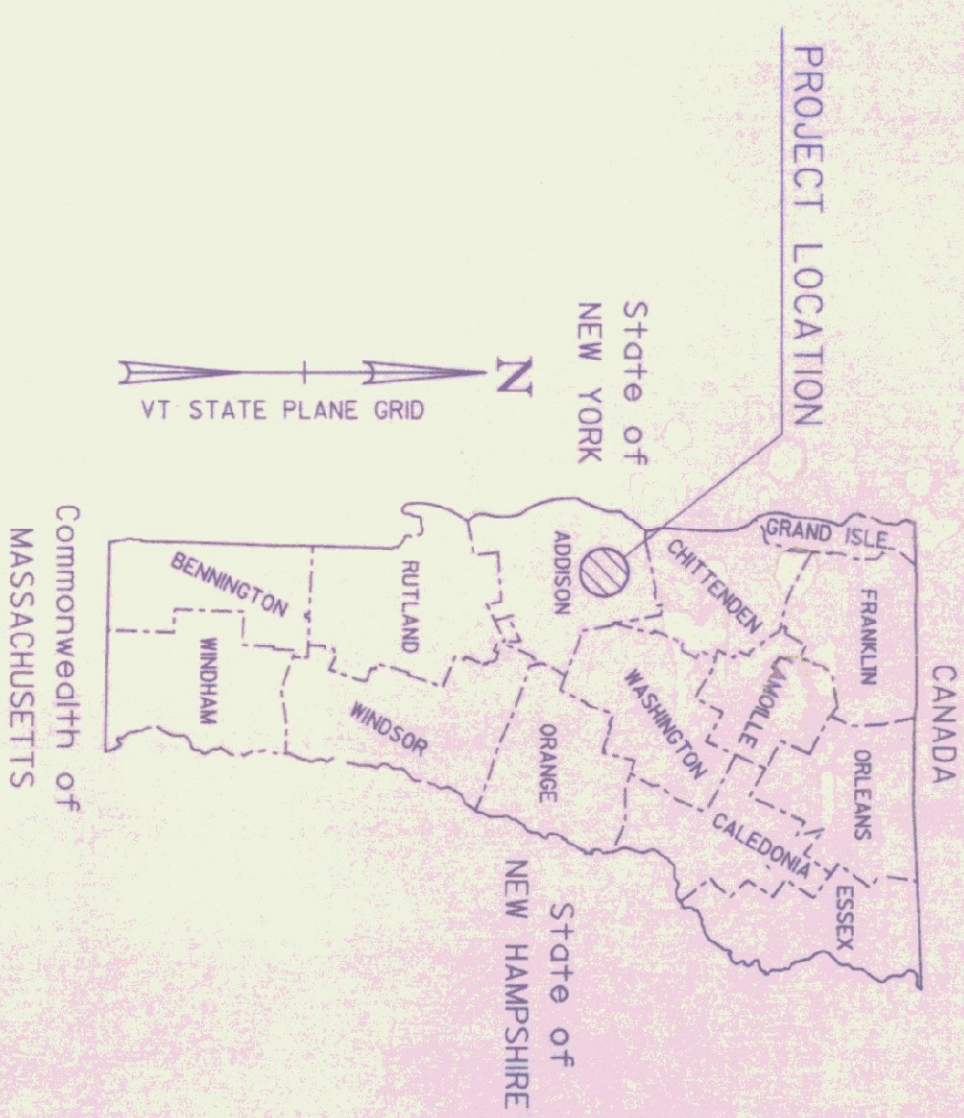
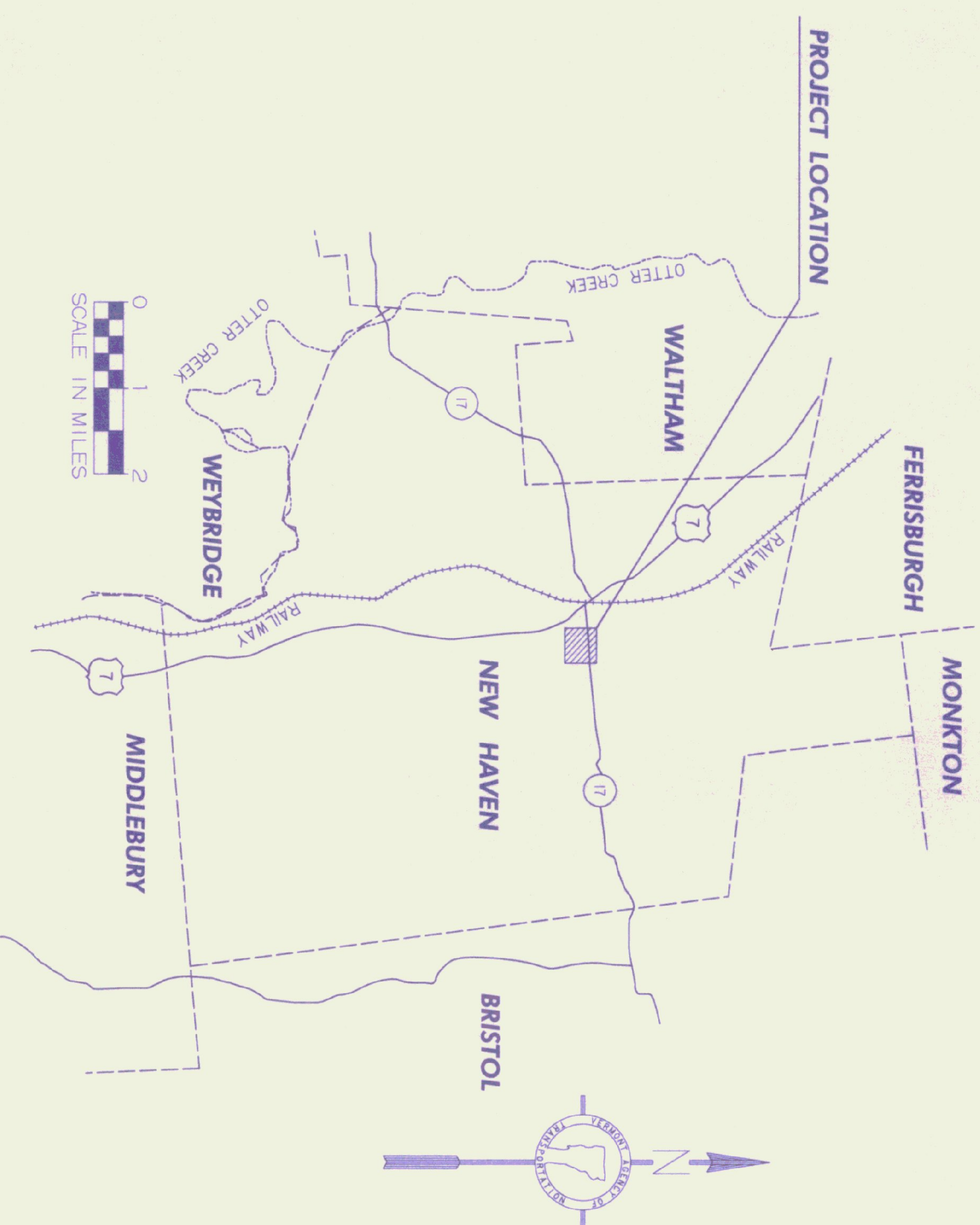
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STATE OF VERMONT
 AGENCY OF TRANSPORTATION

 PROPOSED IMPROVEMENT
 CONSTRUCTION OF NEW
 SAND-SALT SHEDS
 TOWN OF NEW HAVEN
 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.



CONTRACT PLANS
 Red Sep. 1999

*9/29/99 - has state of vt, Vermont, not
 necessarily does not go to the same construction
 part*

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.

DATUM
 VERTICAL _____
 HORIZONTAL _____



APPROVED _____	DATE _____
DIRECTOR OF MAINTENANCE	
PROJECT NEW HAVEN STP SALT29	
SHEET 1 OF 5 SHEETS	

NOTES:

1. ALL PROPOSED PAVEMENT SHALL HAVE A 1/4" THICK TYPE III WEARING COURSE AND A 1/4" 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 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, 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).
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, 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) 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 658.15 - ROADSIDE REST FACILITY (MODIFIED).

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 MIXTURES 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).

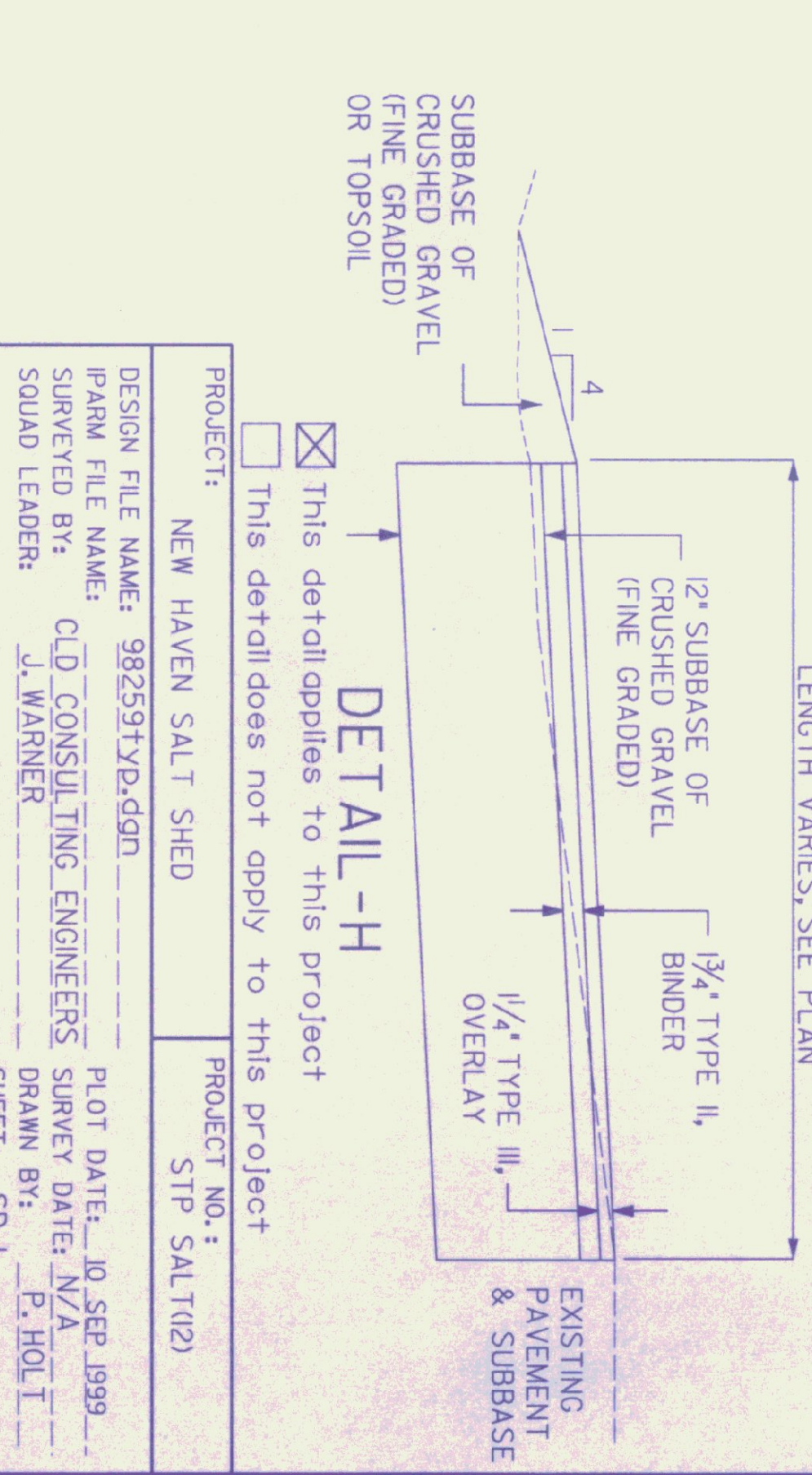
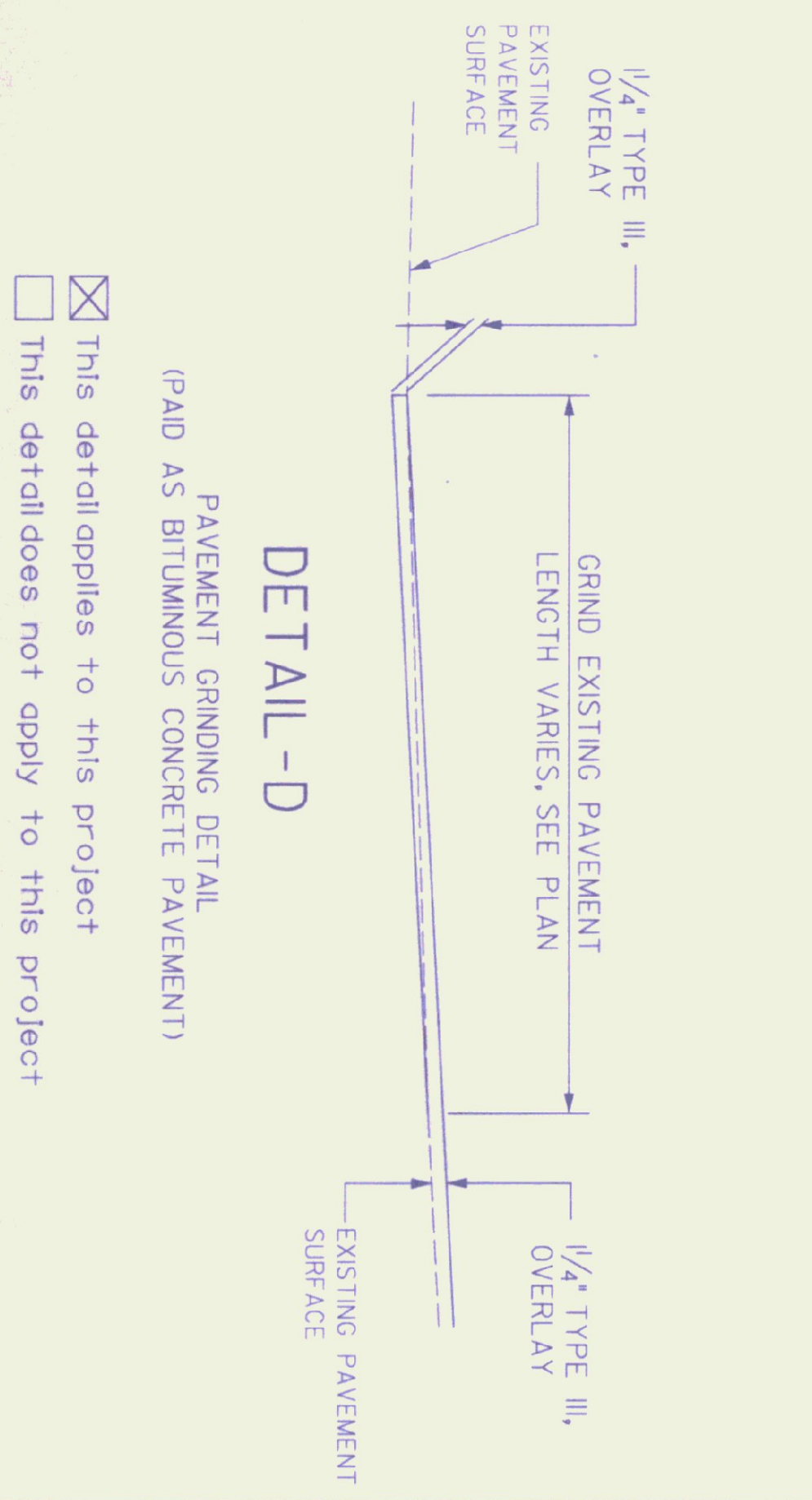
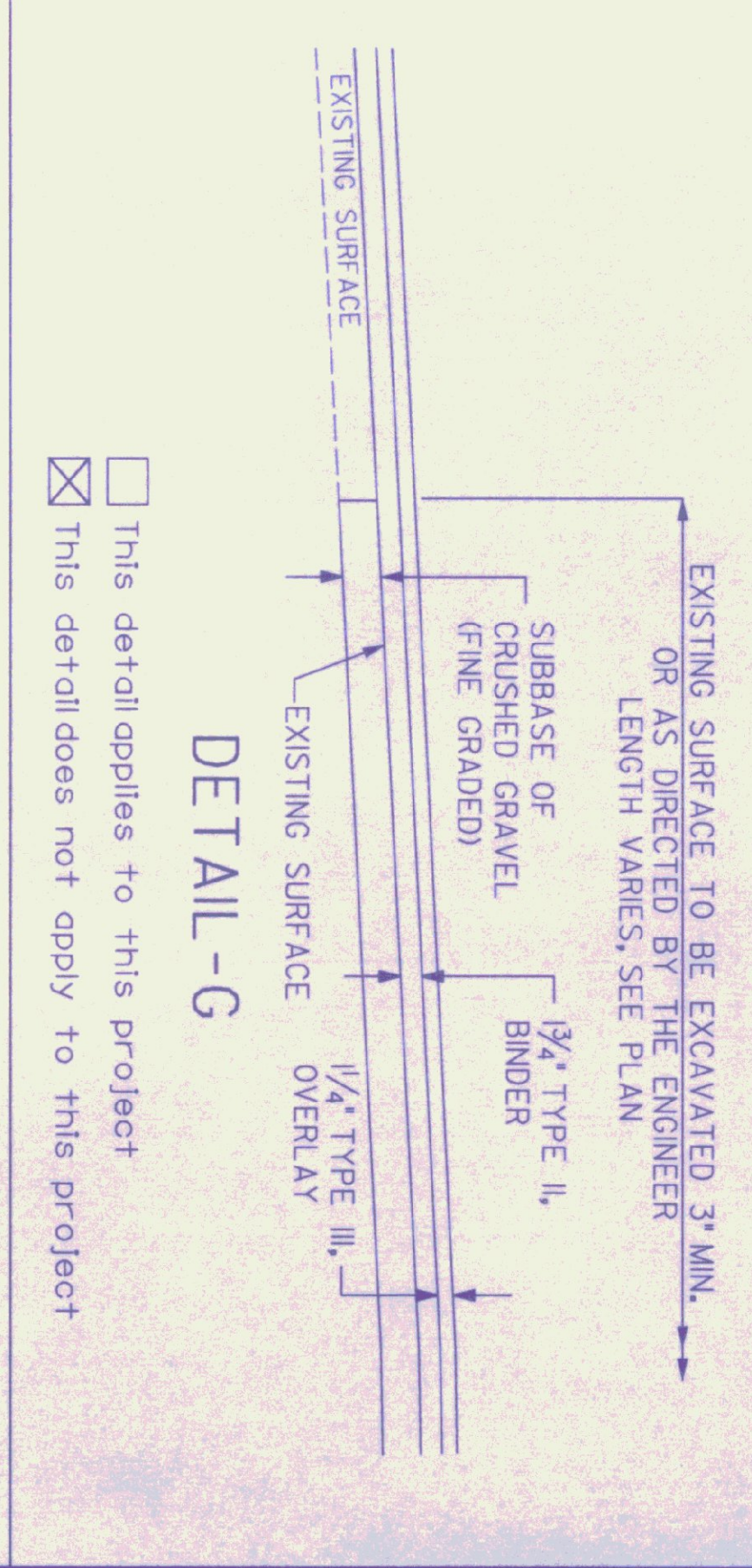
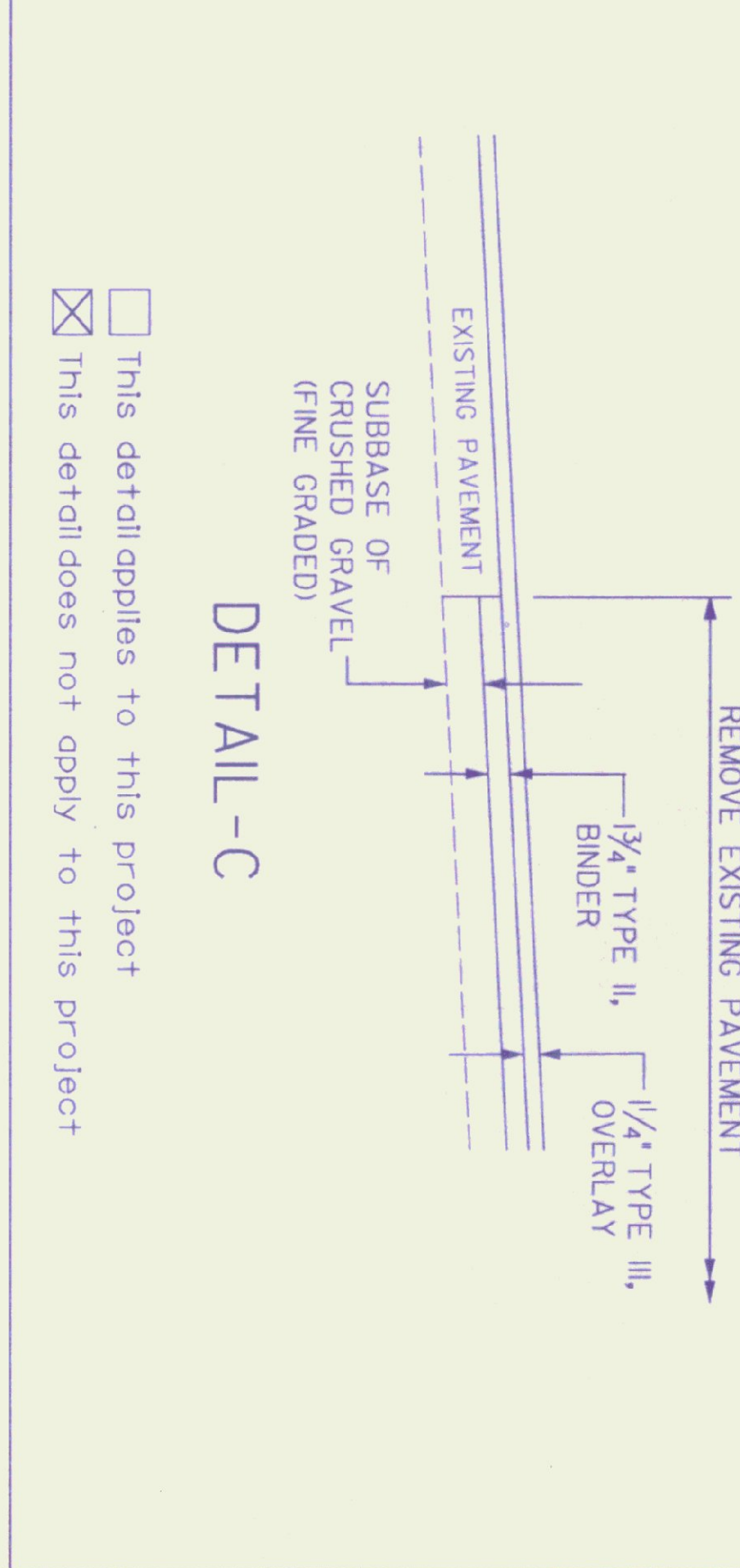
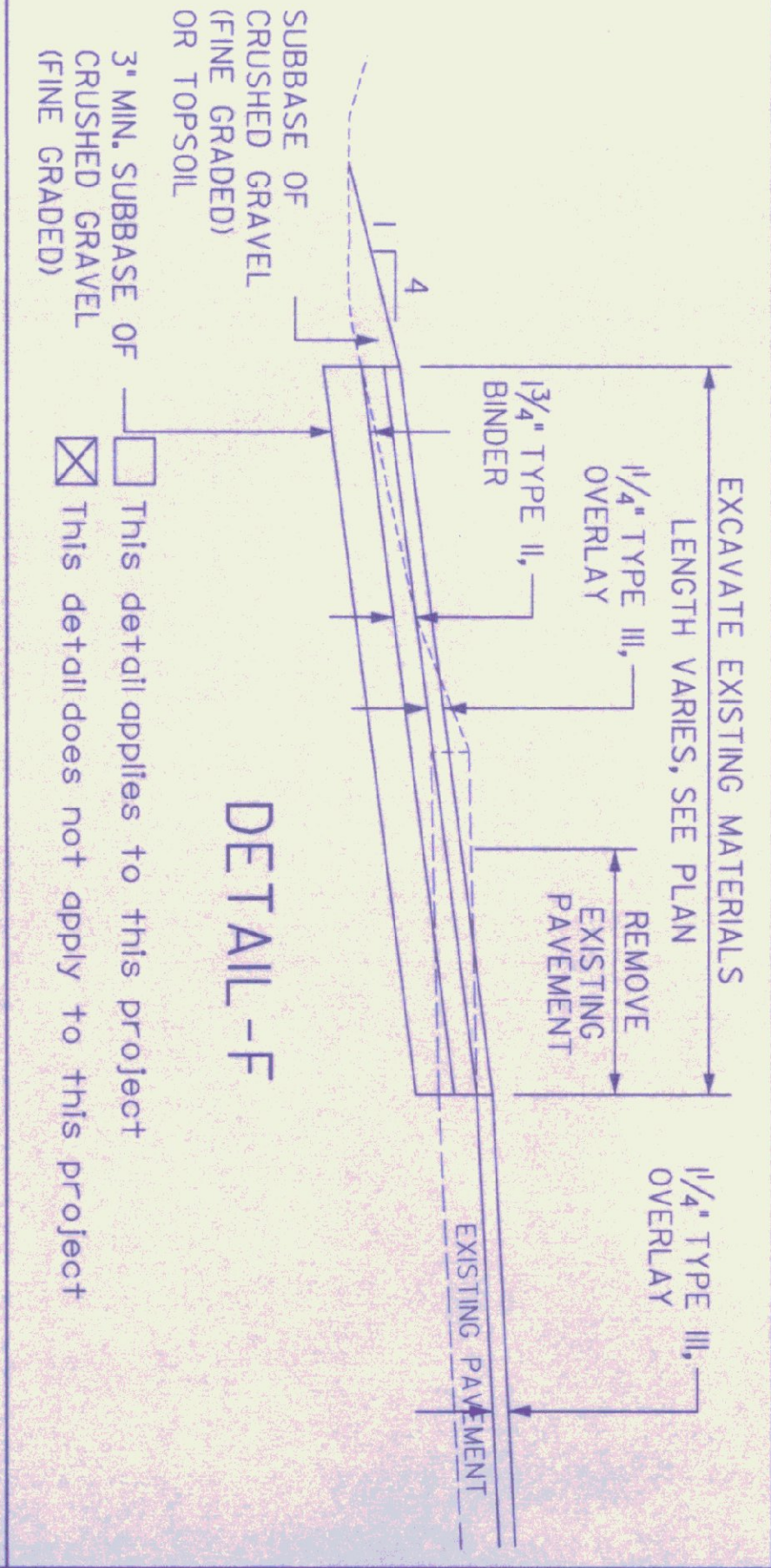
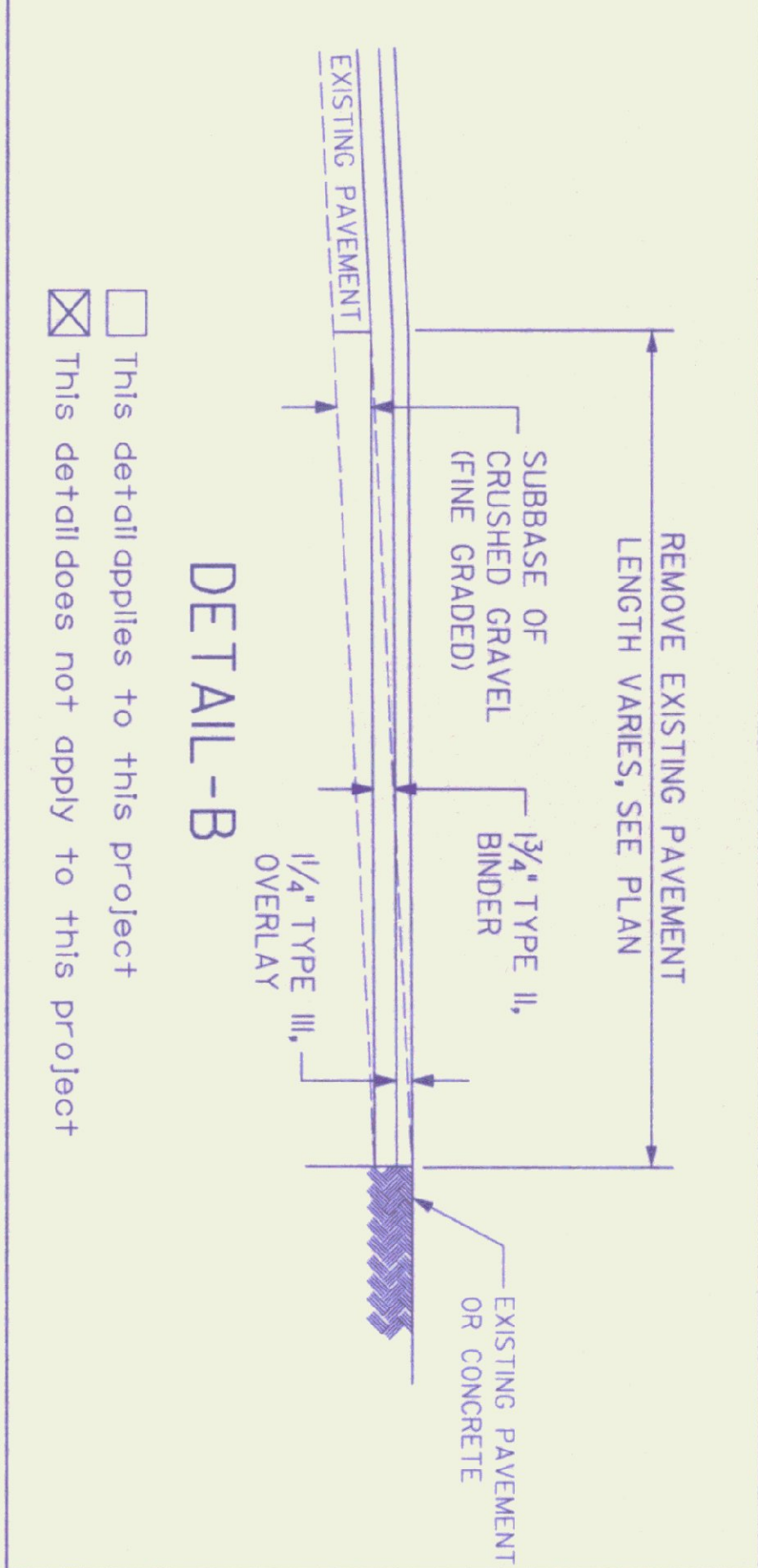
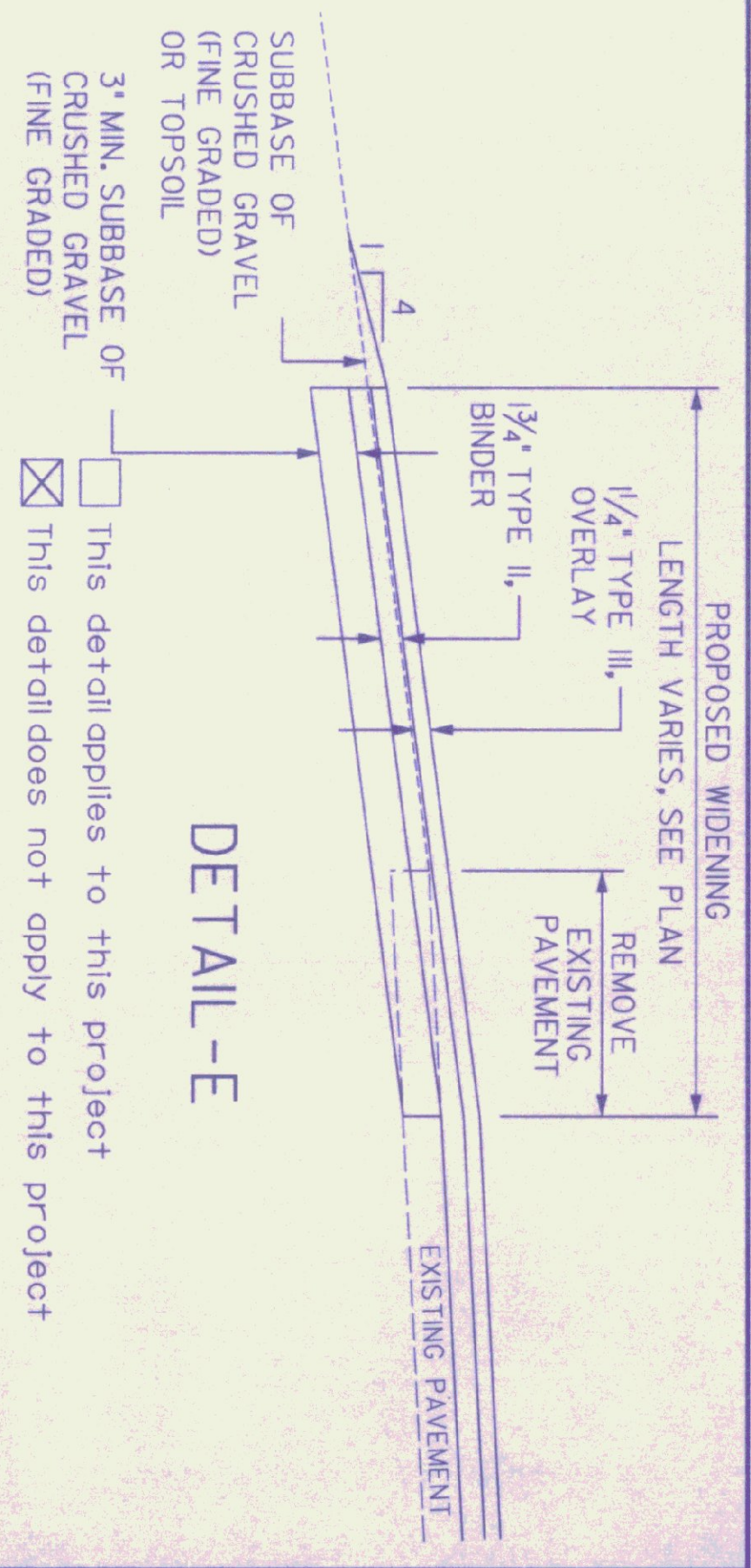
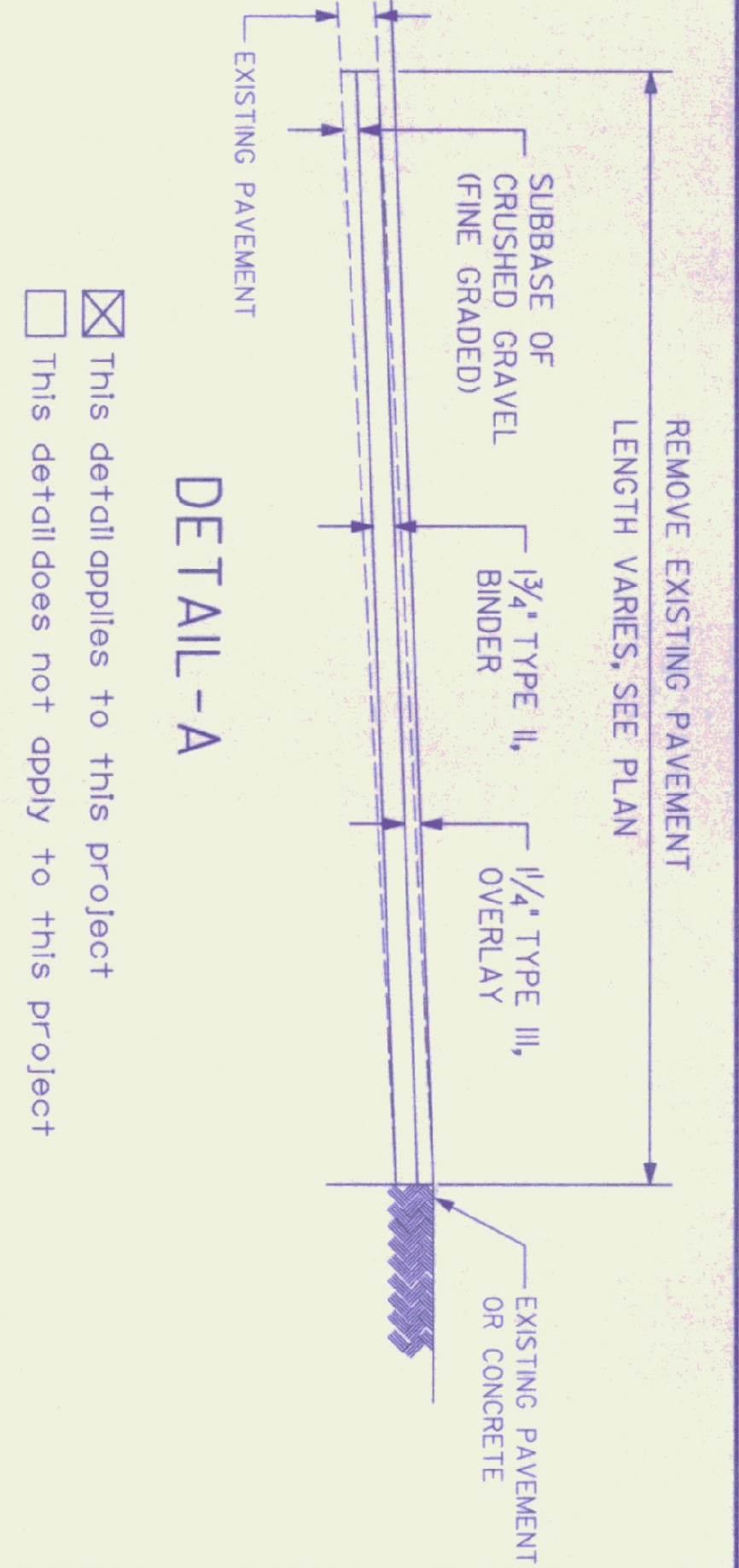
AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

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 _____

CONSULTING ENGINEERS
540 CONVENT RD.
MANCHESTER, NH 03103
PH: (603) 668-9223
FAX: (603) 668-9802
CIVIL@CLDENGINEERS.COM



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

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

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

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

PAVEMENT GRINDING DETAIL
(PAID AS BITUMINOUS CONCRETE PAVEMENT)

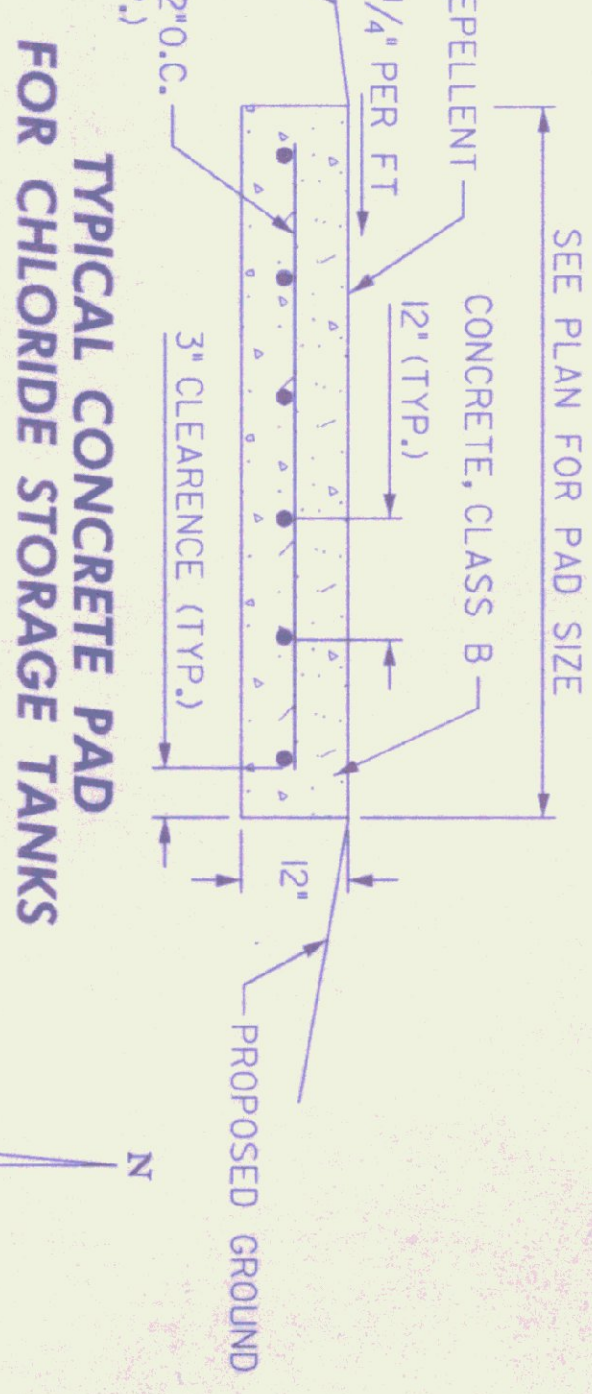
DETAIL-D

PROJECT: NEW HAVEN SALT SHED
PROJECT NO.: STP SALT 102

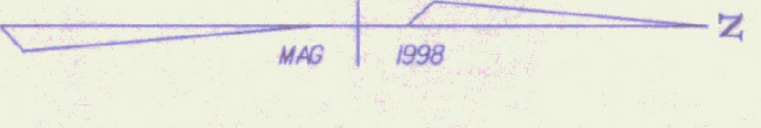
DETAIL-H

DESIGN FILE NAME: 98259TYD.dgn
PLOT DATE: 10 SEP 1999
PLOT FILE NAME: CLD CONSULTING ENGINEERS SURVEY DATE: N/A
SURVEYED BY: J. WARNER
DRAWN BY: P. HOLT
SHEET: SD-1

REMOVE EXISTING SURFACES
IT IS EXPECTED THAT THE CONTRACTOR
WILL FIND VARYING DEPTHS OF EXISTING ASPHALT
SURFACES OF APPROXIMATELY 12" IN DEPTH.
REMOVAL OF THESE ITEMS WILL BE PAID AS
ITEM 203.28, EXCAVATION OF SURFACES AND PAVEMENTS.
PLACE 4" TOPSOIL AND SEED



**TYPICAL CONCRETE PAD
FOR CHLORIDE STORAGE TANKS**



TBM: CHISELED SQUARE
IN CONCRETE PAD
ELEV. = 496.34

TBM: PK IN
UP #9
ELEV. = 493.03

LEGEND

- UE — EXISTING UNDERGROUND ELECTRIC UTILITIES
- PUG — PROPOSED UNDERGROUND UTILITIES
- [Hatched Box] CONSTRUCT PAVED DRIVE WITH 12" SUBBASE OF CRUSHED GRAVEL (FINE GRADED) AND PAVE WITH 3" BCP. EXCAVATION FOR THIS AREA SHALL BE PAID AS ITEM 203.15, COMMON EXCAVATION. SEE DETAIL H
- [Cross-hatched Box] REMOVE EXISTING SURFACE REGRADE WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) & PAVE WITH 3" BCP. SEE DETAIL A
- [Dotted Box] PAVE WITH 1/4" BCP

PROPERTY LINES
PROPERTY LINE INFORMATION WAS OBTAINED FROM A PLAN DATED SEPTEMBER 1, 1977 AND PREPARED BY "VERMONT STATE BUILDINGS DIVISION" TITLED "PROPOSED STATE HIGHWAY GARAGE" AS PROVIDED BY THE VERMONT AGENCY OF TRANSPORTATION. PROPERTY LINE INFORMATION IS SHOWN FOR GRAPHICAL PURPOSES ONLY AND SHOULD BE CONSIDERED APPROXIMATE.



SCALE IN FEET

PRIOR TO CONSTRUCTION DISTRICT WILL REMOVE BOTH STORAGE SHEDS. DISTRICT WILL ALSO RELOCATE THE UNDERGROUND ELECTRIC THAT SERVES THE LARGER SHED.

REMOVE CONCRETE SLAB. THIS ITEM WILL BE PAID AS ITEM 203.16, SOLID ROCK EXCAVATION

REMOVE EXISTING SURFACES
ALL EXISTING PAVEMENT AND COLD PLANE GRINDINGS SURFACES SHALL BE REMOVED PRIOR TO GRADING OF THE SITE. IT IS EXPECTED THAT THE CONTRACTOR WILL FIND VARYING DEPTHS OF COLD PLANE GRINDINGS OF APPROXIMATELY 12" IN DEPTH. REMOVAL OF THESE ITEMS WILL BE PAID AS ITEM 203.28, EXCAVATION OF SURFACES AND PAVEMENTS. PLACE 4" TOPSOIL AND SEED

RELOCATE EXISTING CHLORIDE TANK BETWEEN TWO NEW SHEDS. TANK SHOULD BE PLACED ON A 13' x 13' x 1' DEEP CONCRETE SLAB WITH #5 REBAR 12" O.C. BOTH DIRECTIONS. (SEE DETAIL ON THIS SHEET) TEMPORARY STORAGE OF EXISTING CHLORIDE WILL BE HANDLED BY THE DISTRICT.

TYPE 1 STONE FILL WITH GEOTEXTILE UNDER STONE FILL. EXCAVATION FOR THIS AREA WILL BE PAID AS ITEM 203.15, COMMON EXCAVATION.

PLACE 4" TOPSOIL AND SEED
PLACE EROSION MATTING
PLACE HAY BALES; TYP.

TYPE 11 STONE FILL WITH GEOTEXTILE UNDER STONE FILL. EXCAVATION FOR THIS AREA WILL BE PAID AS ITEM 203.15, COMMON EXCAVATION.

PLACE SILT FENCE
APPROX. PROP. LINE

PROJECT: NEW HAVEN SALT SHED

PROJECT NO.: STP SAL T(12)

DESIGN FILE NAME: 98259Bdt.dgn
P/PRM FILE NAME: CLO CONSULT JING ENGINEERS
SURVEYED BY: L. WÄNNER
SOUND LEADER: L. WÄNNER
PLOT DATE: 10 SEP 1999
SURVEY DATE: OCT. 98
DRAWN BY: I. LUTHER
SHEET: SD-2