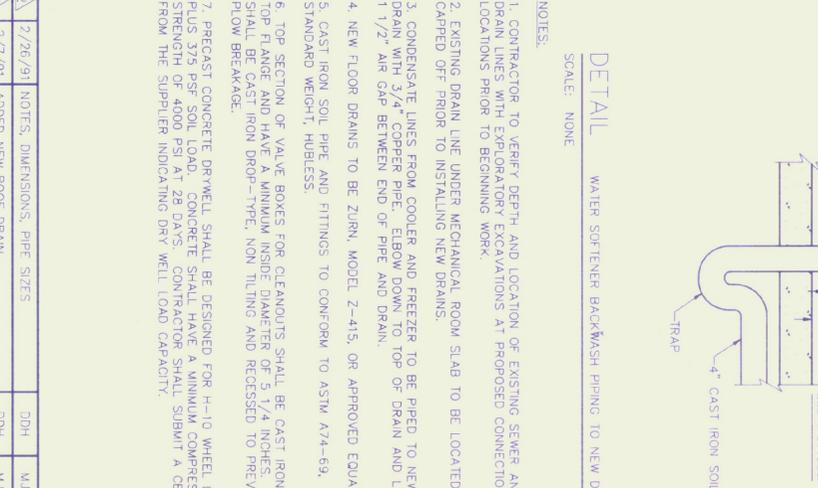
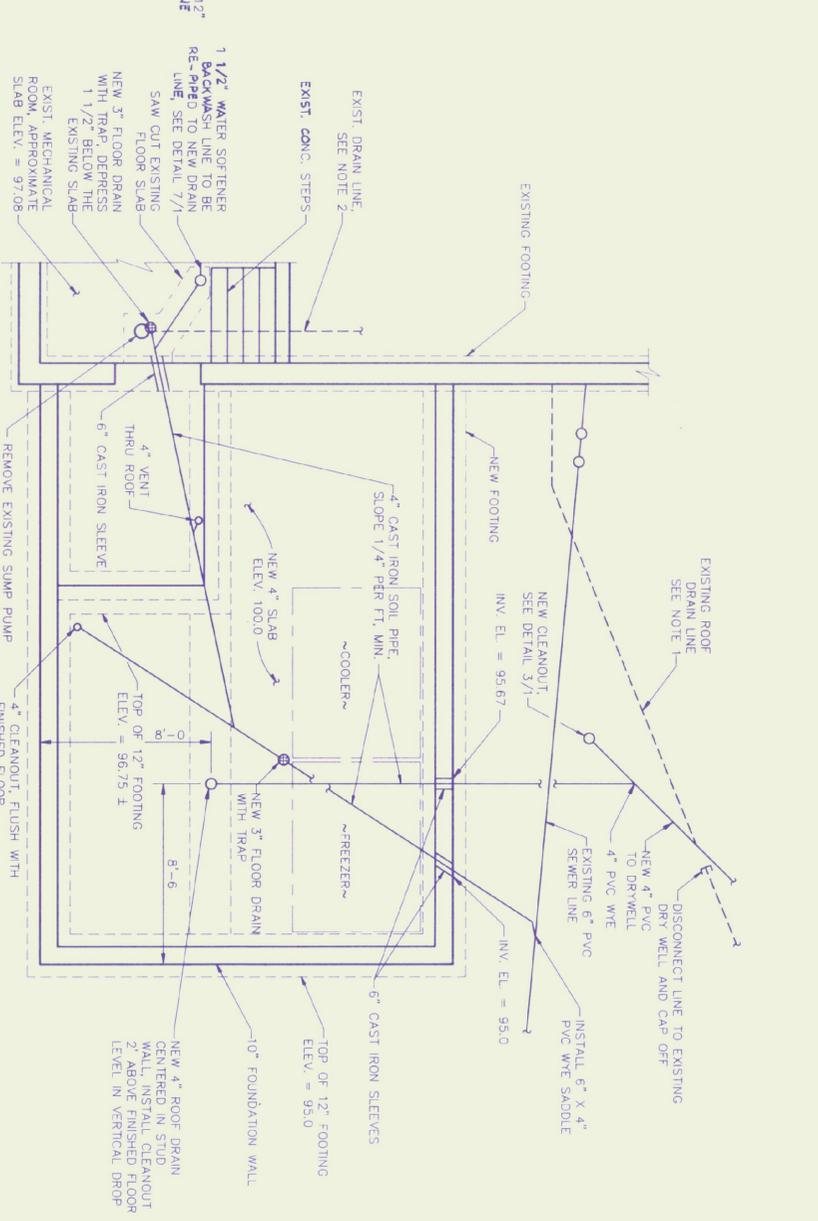


DETAIL
TYPICAL PIPELINE TRENCH
SCALE: NONE

DETAIL
DRY WELL AND OVERFLOW PIPE
SCALE: NONE

DETAIL
ROOTS ON END OF OVERFLOW PIPE
SCALE: NONE



PLAN
FLOOR DRAINS IN ADDITION
SCALE: 1/4"=1'-0"

DETAIL
WATER SOFTENER BACKWASH PIPING TO NEW DRAIN
SCALE: NONE

NOTES:

1. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING SEWER AND ROOF DRAIN LINES WITH EXPLORATORY EXCAVATIONS AT PROPOSED CONNECTION LOCATIONS PRIOR TO BEGINNING WORK.
2. EXISTING DRAIN LINE UNDER MECHANICAL ROOM SLAB TO BE LOCATED AND CAPPED OFF PRIOR TO INSTALLING NEW DRAINS.
3. CONDENSATE LINES FROM COOLER AND FREEZER TO BE PIPED TO NEW FLOOR DRAIN WITH 3/4" COPPER PIPE, ELBOW DOWN TO TOP OF DRAIN AND LEAVE 1 1/2" AIR GAP BETWEEN END OF PIPE AND DRAIN.
4. NEW FLOOR DRAINS TO BE ZURN, MODEL Z-415, OR APPROVED EQUAL.
5. CAST IRON SOIL PIPE AND FITTINGS TO CONFORM TO ASTM A74-69.
6. TOP SECTION OF VALVE BOXES FOR CLEANOUTS SHALL BE CAST IRON WITH A TOP FLANGE AND HAVE A MINIMUM INSIDE DIAMETER OF 5 1/4 INCHES. COVERS SHALL BE CAST IRON DROP-TYPE, NON TILTING AND RECESSED TO PREVENT PLOW BREAKAGE.
7. PRECAST CONCRETE DRYWELL SHALL BE DESIGNED FOR 4,110 WHEEL LOAD PLUS 400 PSF. ALL DRAINS SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSF. AT 28 DAYS. CONTRACTOR SHALL SUBMIT A CERTIFICATION FROM THE SUPPLIER INDICATING DRY WELL LOAD CAPACITY.

REVISIONS:

Rev No	Date	Description	Mode by	Checked by	App'd by
2/7/91		ADDED NEW ROOF DRAIN	DDH	MJC	MJC
2/7/91		NOTES, DIMENSIONS, PIPE SIZES	DDH	MJC	MJC

PROJECT INFORMATION:
SERVICE ENTRANCE
KNAPP AIRPORT
SEWER AND ROOF DRAIN LINES

DESIGNER: CHENETTE ENGINEERING, INC.
 50 STATE STREET
 MONTPELLIER, VERMONT 05602

DATE: OCT 1990
SCALE: 1"=20'
SHEET: 5 OF 7

STATE OF VERMONT ENGINEER
 No. 3889
 DATE: 10/19/90

Scale AS NOTED
 Des. By: MJC
 Dwn. By: DDH
 Chk. By: MJC
 Date: OCT 1990
 DWG: 22-002-6

EXISTING WATER WELL
EXISTING WATER WELL

PLAN
 SEWER AND ROOF DRAIN LOCATION
 SCALE: 1"=20'

PLAN
 FLOOR DRAINS IN ADDITION
 SCALE: 1/4"=1'-0"

DETAIL
 TYPICAL PIPELINE TRENCH
 SCALE: NONE

DETAIL
 DRY WELL AND OVERFLOW PIPE
 SCALE: NONE

DETAIL
 ROOTS ON END OF OVERFLOW PIPE
 SCALE: NONE

DETAIL
 WATER SOFTENER BACKWASH PIPING TO NEW DRAIN
 SCALE: NONE

REPAIR PAVEMENT
 TOP SECTION OF VALVE BOX WITH FITTED COVER, SEE NOTE #6

NOTE:
 PIPE AND FITTINGS TO BE 4" PVC SDR 35. IN LINE INSTALLATION, EXCEPT UNLESS SHOWN OTHERWISE, LAYING ON ITS SIDE.

RESTORE PAVEMENT
 SAW CUT EDGE OF LONG STRAIGHT LINES

PAVED AREAS
 COMMON SEED AND MULCH

TOP SOIL
 NATIVE BACKFILL

5'-0" MIN COVER TO TOP OF PIPE

3'-0" MIN COVER TO TOP OF PIPE

36" WHIP MARKER
 SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MINIMUM COVER

SEE DETAIL 6/1

FINISHED GRADE

MINIMUM 18" DIAMETER ACCESS COVER

600 GALLON PRECAST CONCRETE DRY WELL, SEE NOTE #7

UNDISTURBED EARTH

ALL AROUND DRY WELL

12" OF 3/4" CRUSHED STONE

3'-0" MINIMUM COVER

TEE

SLOPE PIPE 1/4" / FT MIN

INV. 87.42 ±

3'-0" MIN