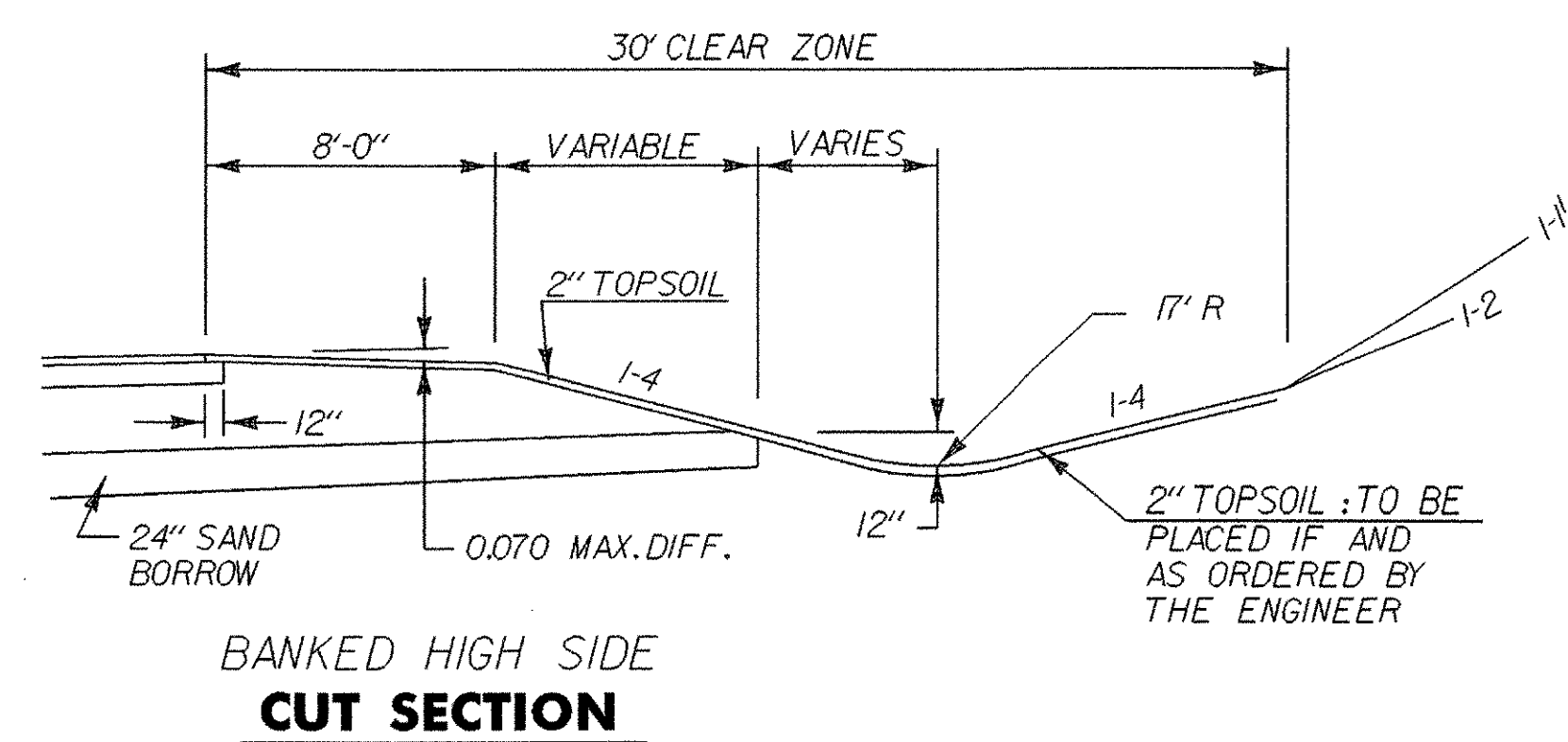
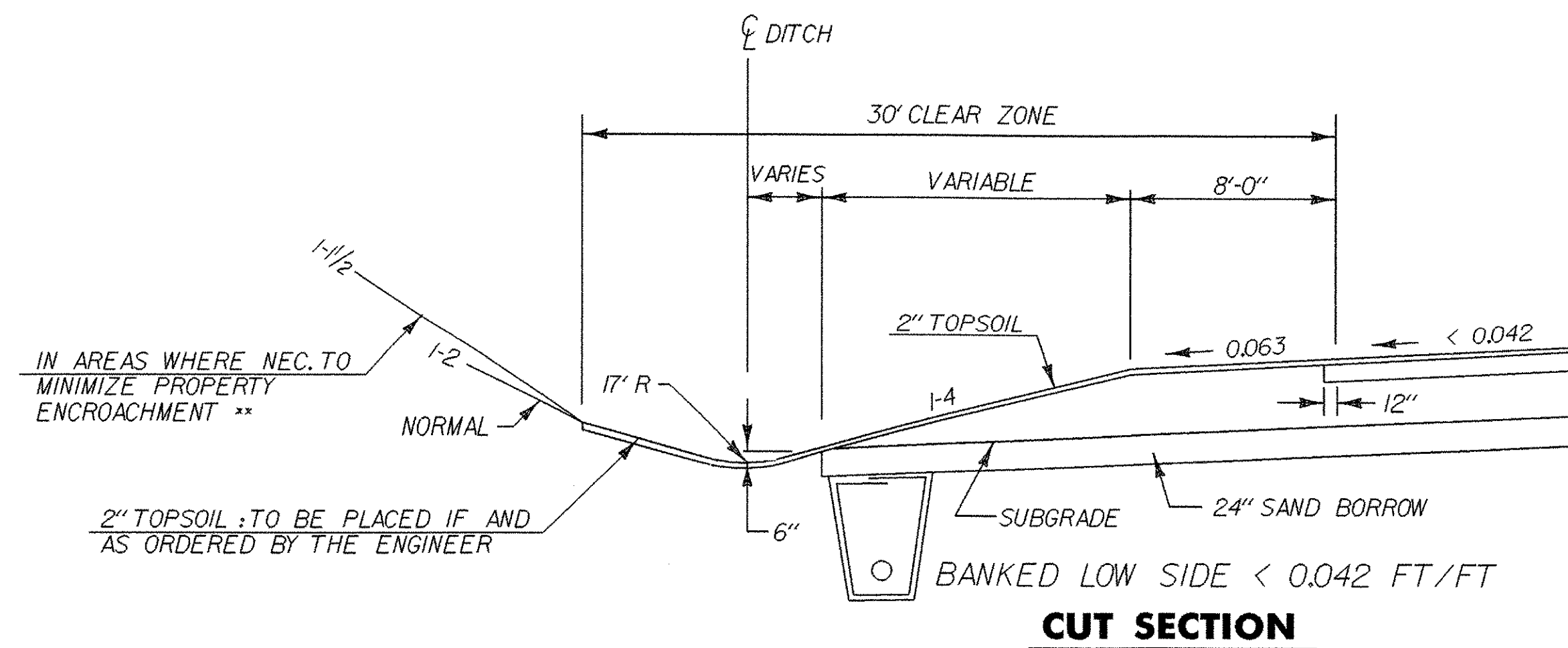
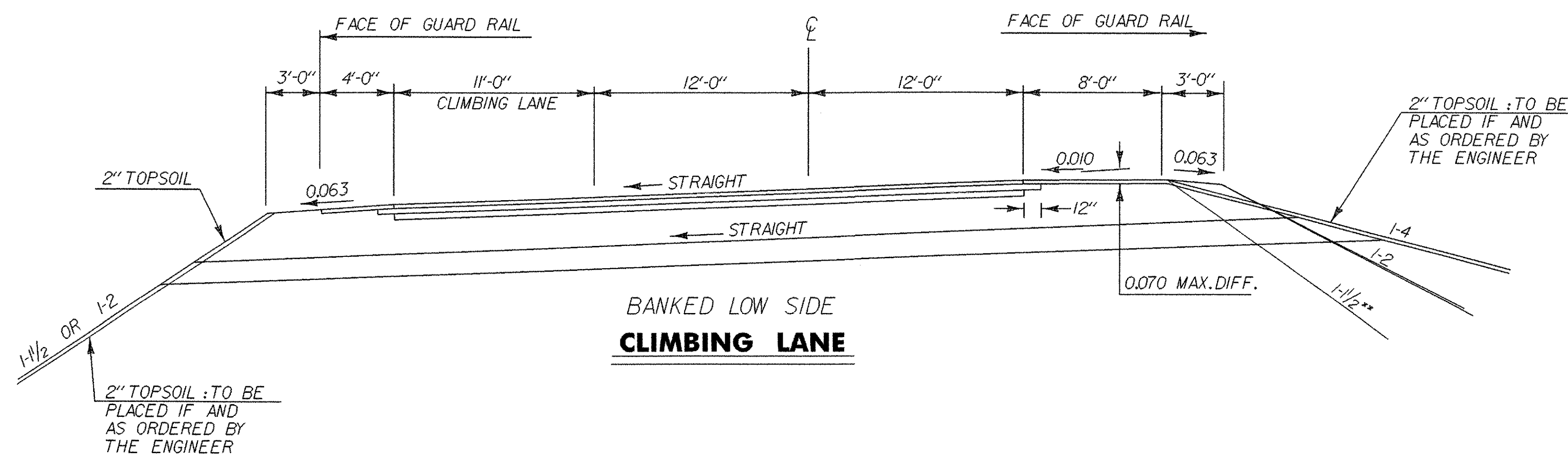
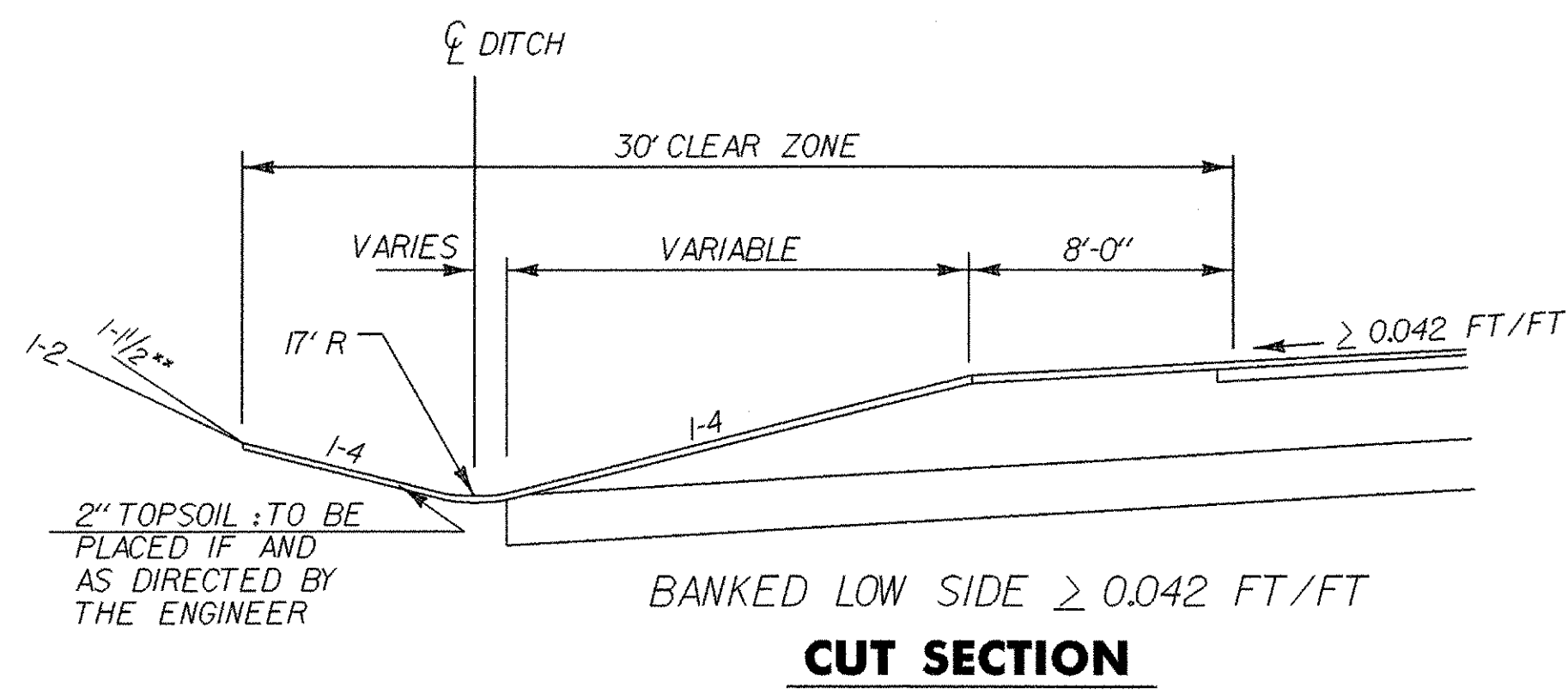
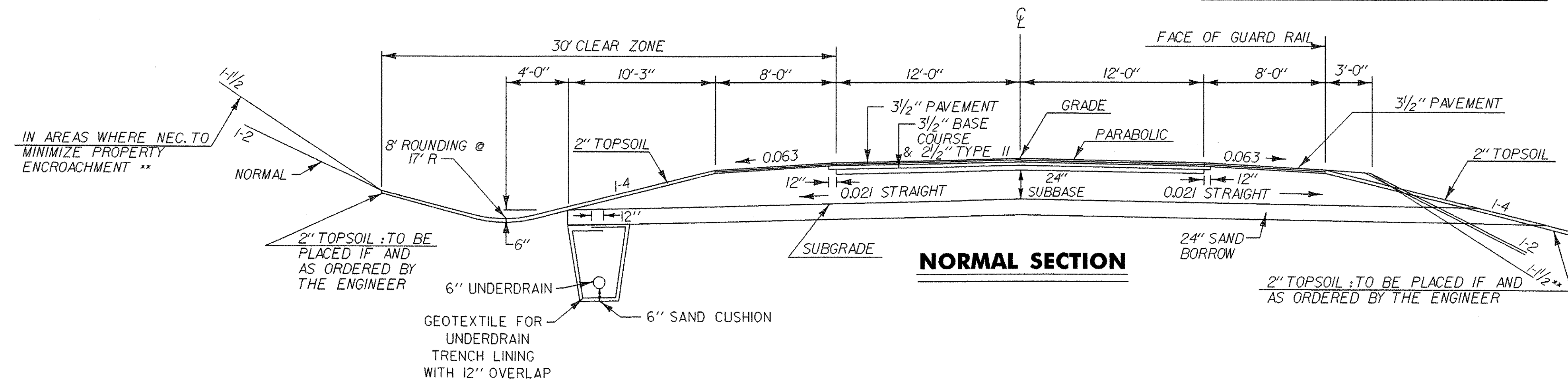
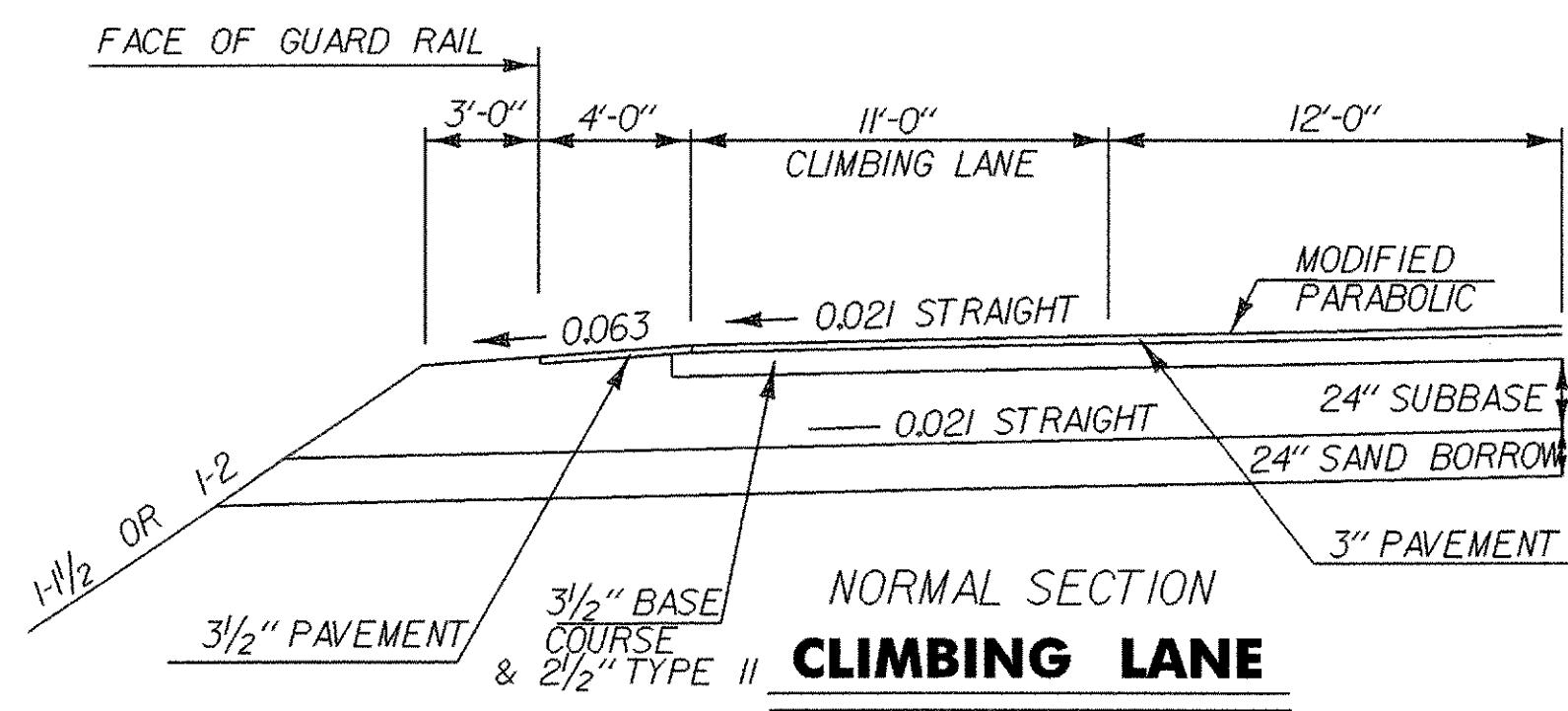


VT. ROUTE 9 TYPICAL SECTIONS

6" BITUMINOUS CONCRETE PAVEMENT (TWO 1 3/4" LIFTS TYPE III OVER 2 1/2" TYPE II)
 3 1/2" BASE COURSE OF BITUMINOUS CONCRETE PAVEMENT (3 1/2" LIFT, TYPE I)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE
 24" SAND BORROW (ONLY 3" REQUIRED IN LEDGE CUT)
 SHOULDERS : 3 1/2" BITUMINOUS CONCRETE PAVEMENT

| MATERIAL ITEM | THICKNESS TOLERANCE |
|---------------|---------------------|
| PAVEMENT | ± 1/4" |
| SUBBASE | ± 1" |
| SAND BORROW | ± 1" |



** FOR LIMITS OF STONE FILL AND/OR ROCK EMBANKMENTS SEE CROSS SECTIONS

DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

NOT TO SCALE

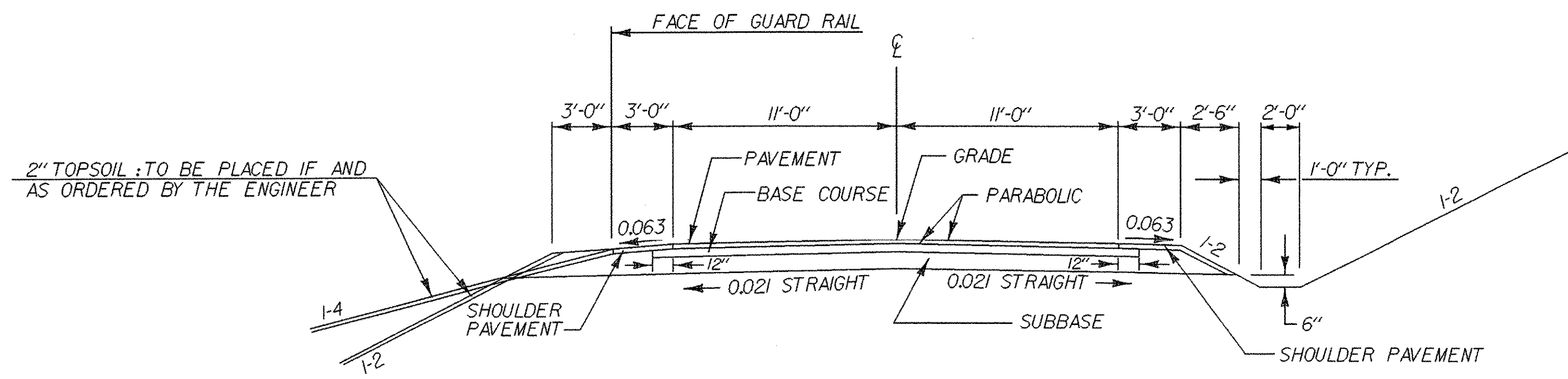
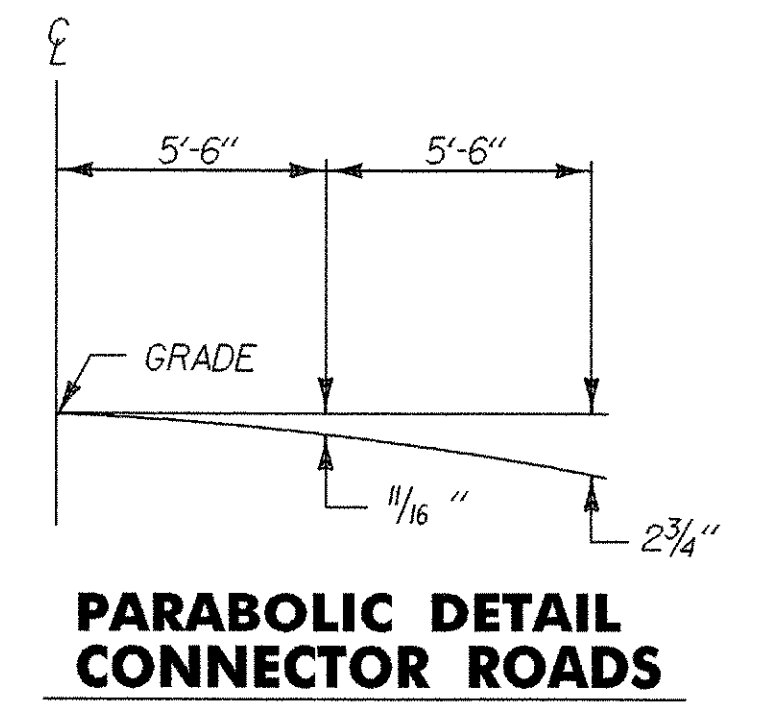
| FOR REFERENCE ONLY | |
|--------------------|---------------------------|
| SHEET NAME: | VT.RT. 9 TYPICAL SECTIONS |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-(118) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/landtyp01 |
| IPARM FILE NAME: | landtyp01i |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SOAUD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 2 OF 30 |

VT. ROUTE 9 SIDEROAD TYPICAL SECTIONS

| MATERIAL ITEM | THICKNESS TOLERANCE |
|---------------|---------------------|
| PAVEMENT | ± 1/4" |
| SUBBASE | ± 1" |
| SAND BORROW | ± 1" |

1 3/4" BITUMINOUS CONCRETE PAVEMENT, TYPE IIIS (PG 58-28)
 3/2" BASE COURSE OF BITUMINOUS CONCRETE PAVEMENT, TYPE IS (PG 58-28)
 18" SUBBASE OF DENSE GRADED CRUSHED STONE
 SHOULDERS : 1 3/4" BITUMINOUS CONCRETE PAVEMENT, TYPE IIIS (PG 58-28)
 0" - 24" SAND BORROW (IN CUTS) : TO BE PLACED AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER

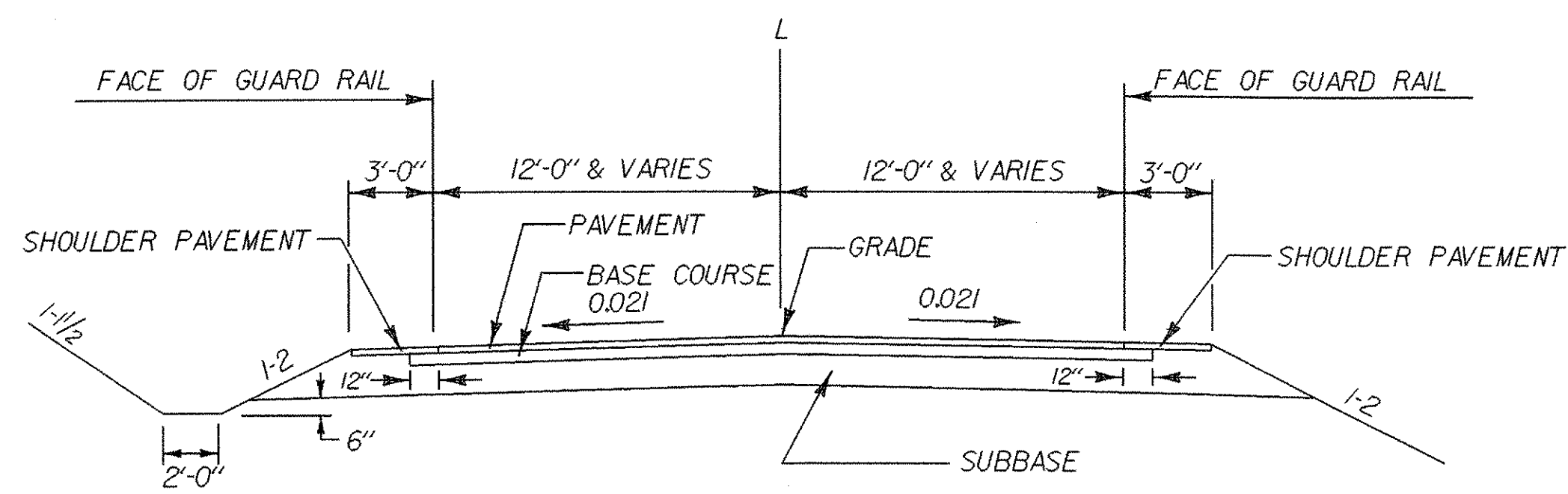
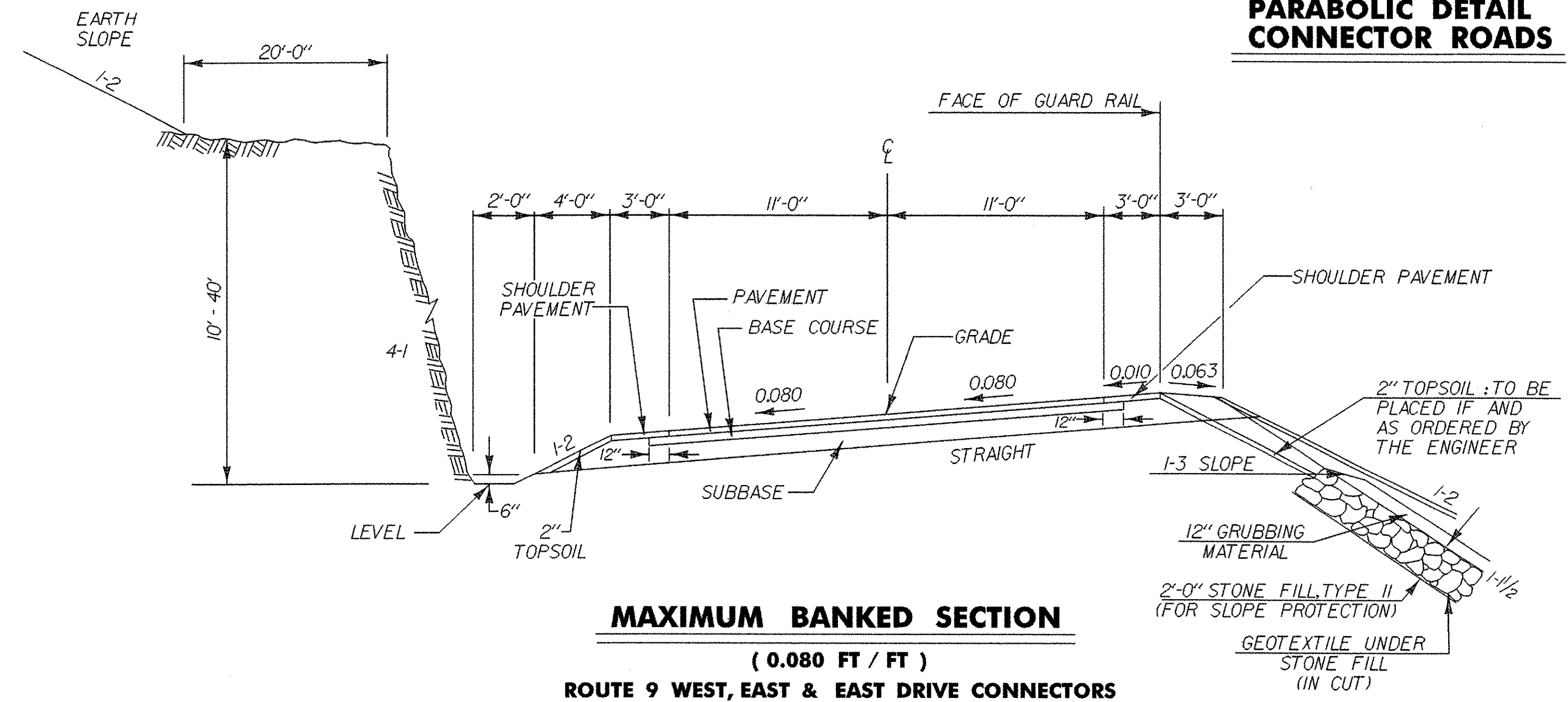
NOTES:
 1. MAXIMUM BANK OF EAST CONNECTOR IS 0.040 FT/FT
 2. REFER TO STANDARD SHEET A-61



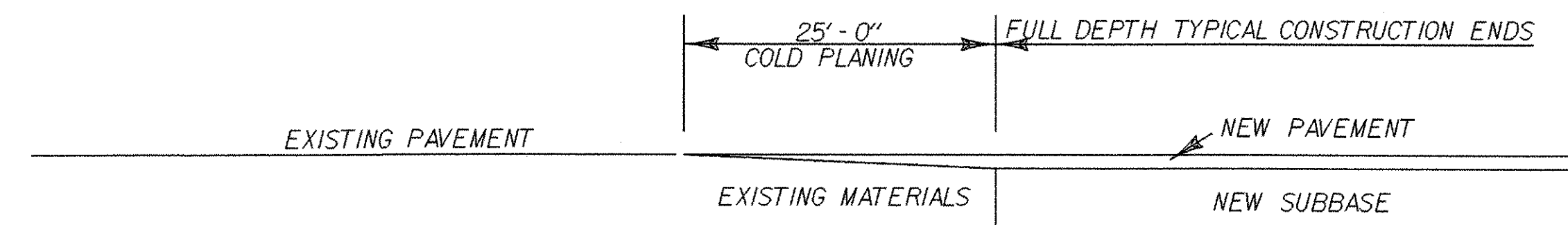
ROUTE 9 WEST, EAST, & EAST DRIVE CONNECTORS

OVERLAY (22' WIDE)

1 3/4" BITUMINOUS CONCRETE PAVEMENT, TYPE IIIS (PG 58-28)
 LOCATIONS: FROM WEST CONNECTOR 24+00 TO CUL-DE-SAC 71+26
 FROM EAST CONNECTOR 13+00 TO EAST DRIVE CONNECTOR 21+70



COLD PLANING LIMITS AT APPROACHES
 INCLUDES SHOULDERS

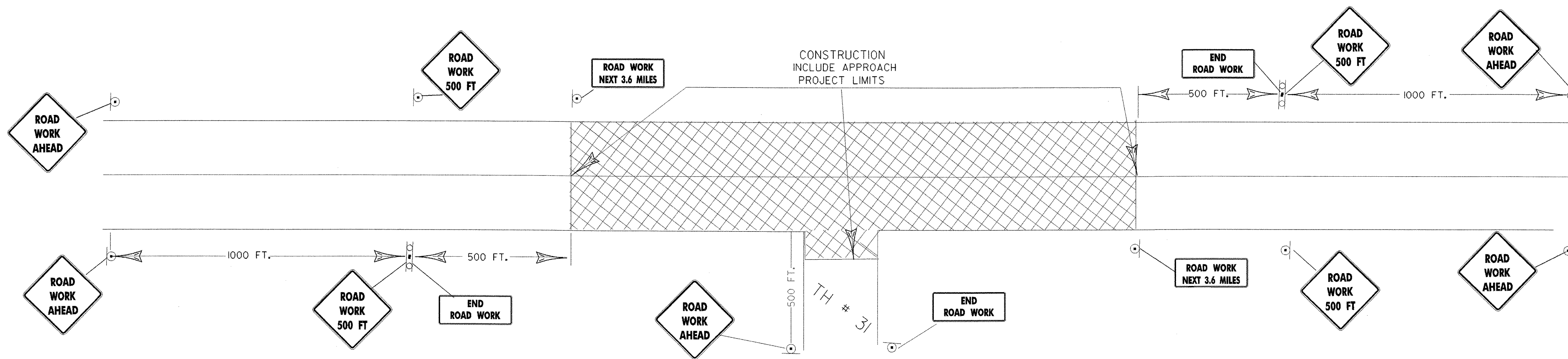


FOR REFERENCE ONLY

| | |
|---|------------------------|
| SHEET NAME: VT.RT. 9 SIDE ROAD TYPICAL SECTIONS | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SOAUD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/landtyp | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landtyp02.i | SHEET 3 OF 30 |

NOT TO SCALE

CONSTRUCTION APPROACH SIGNING

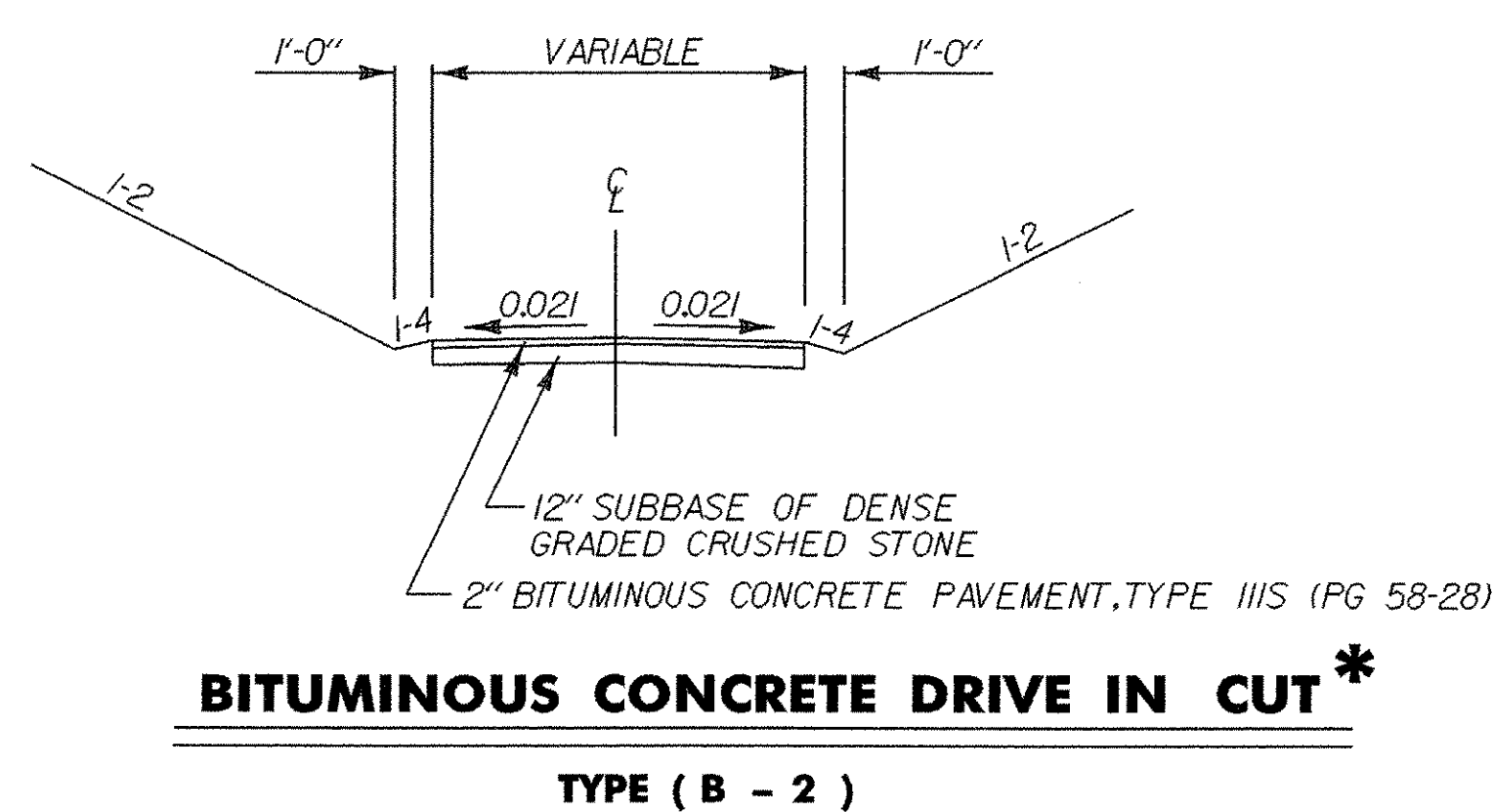
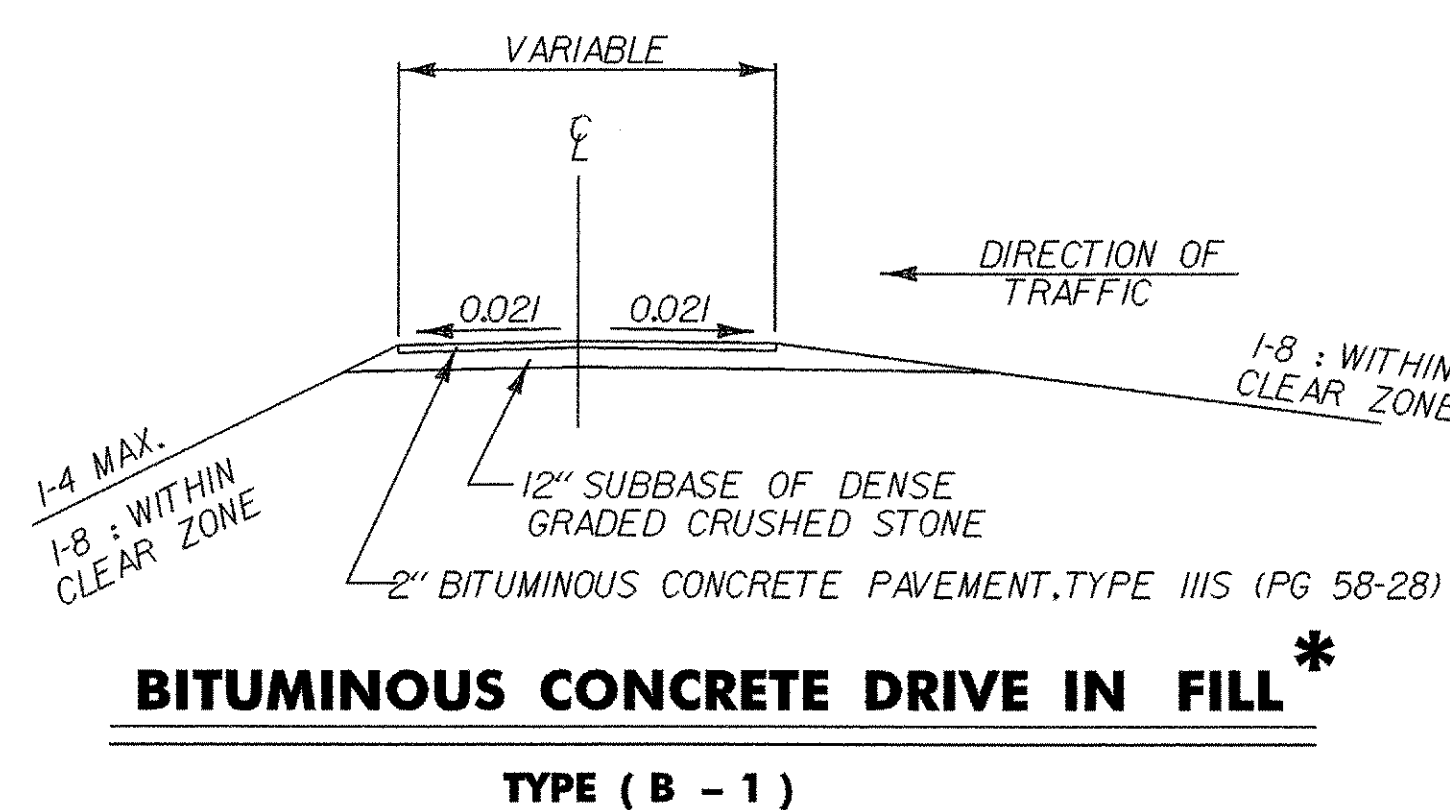
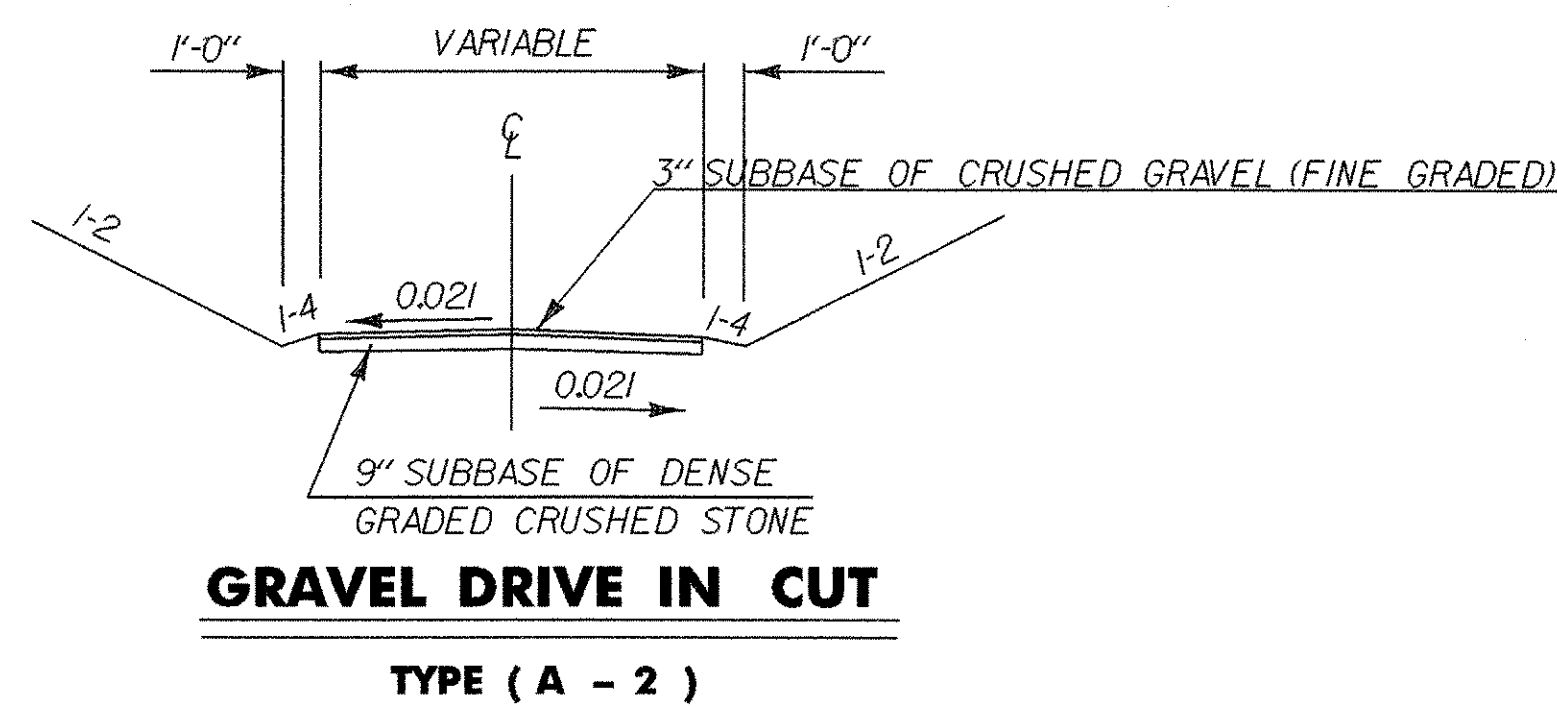
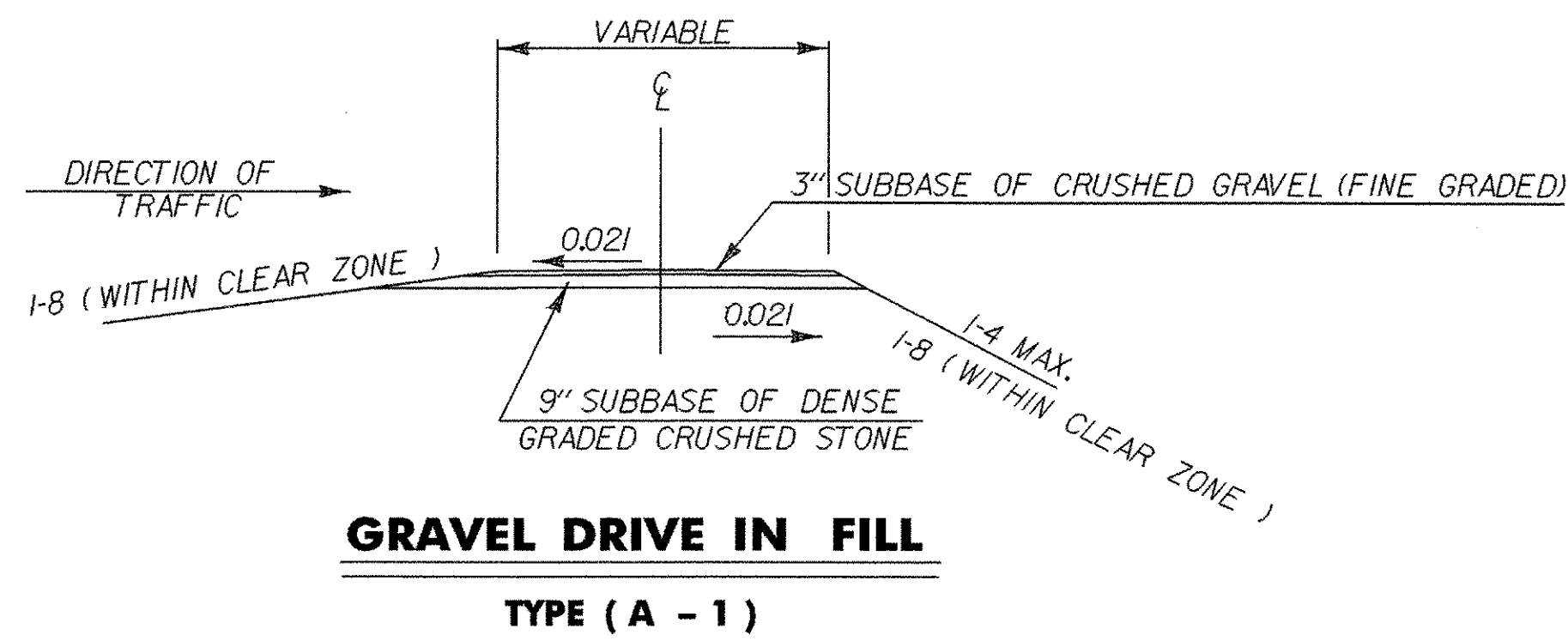


FOR REFERENCE ONLY

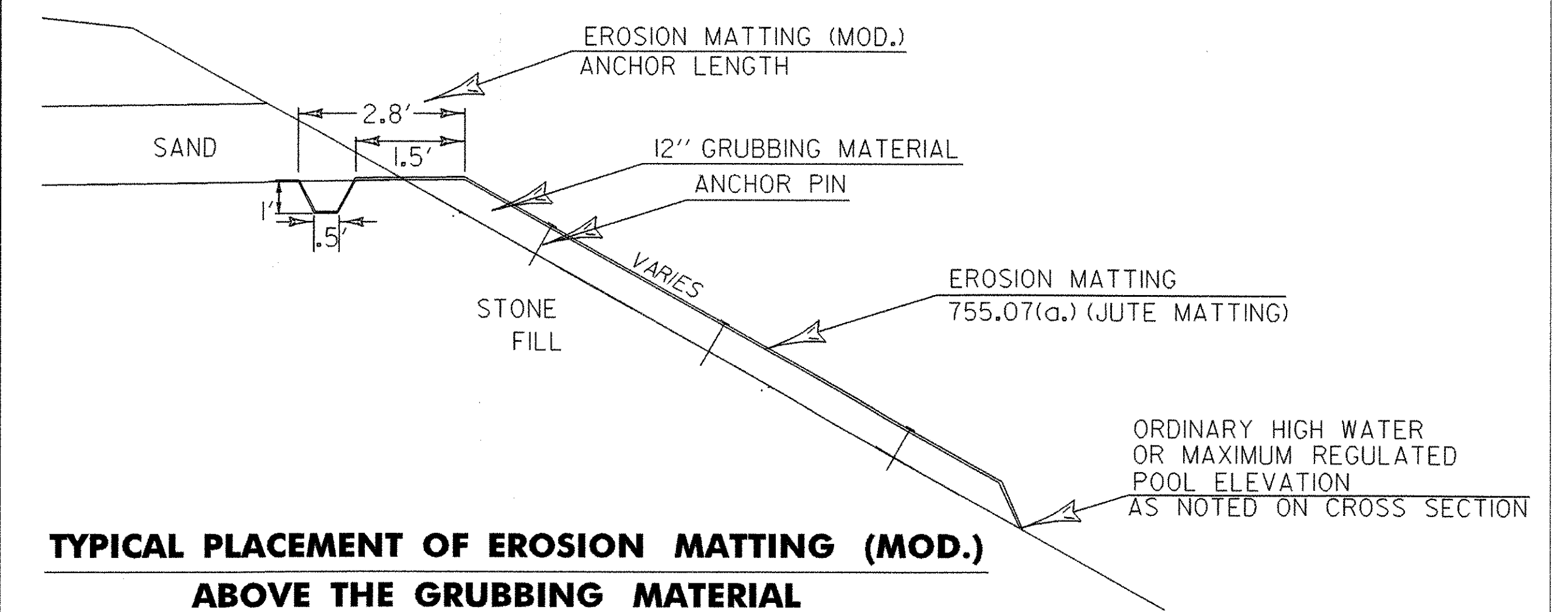
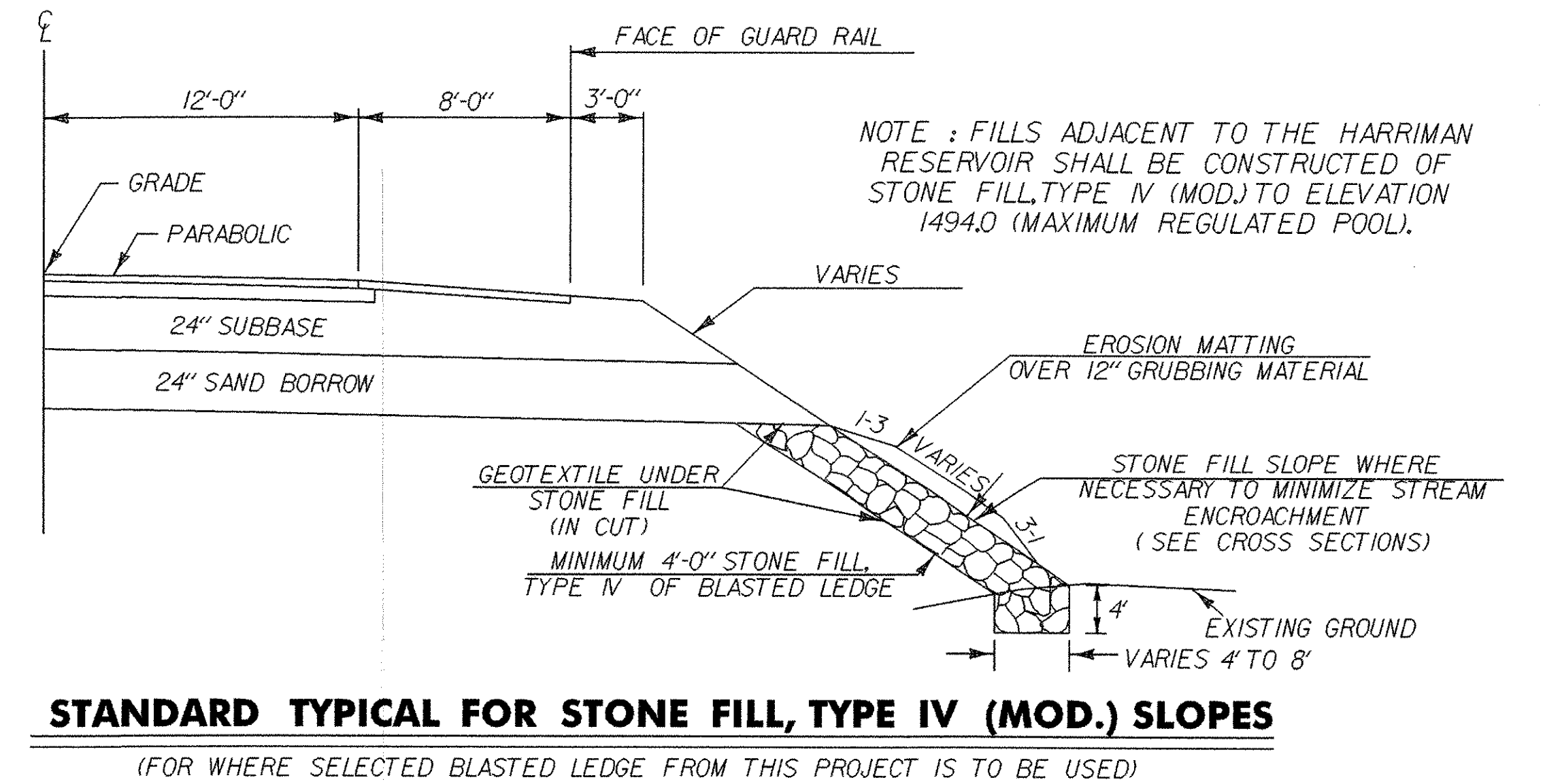
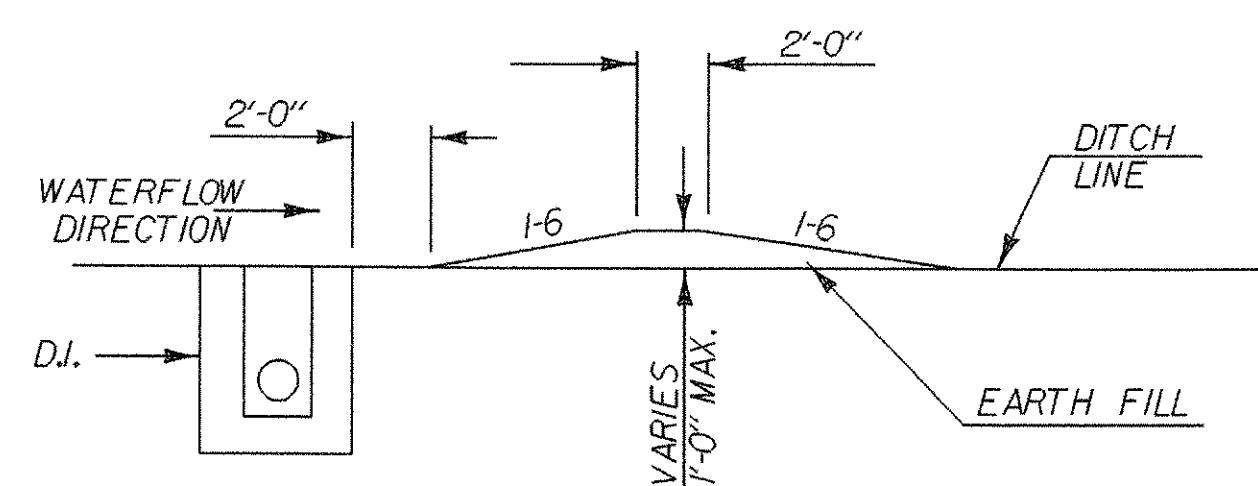
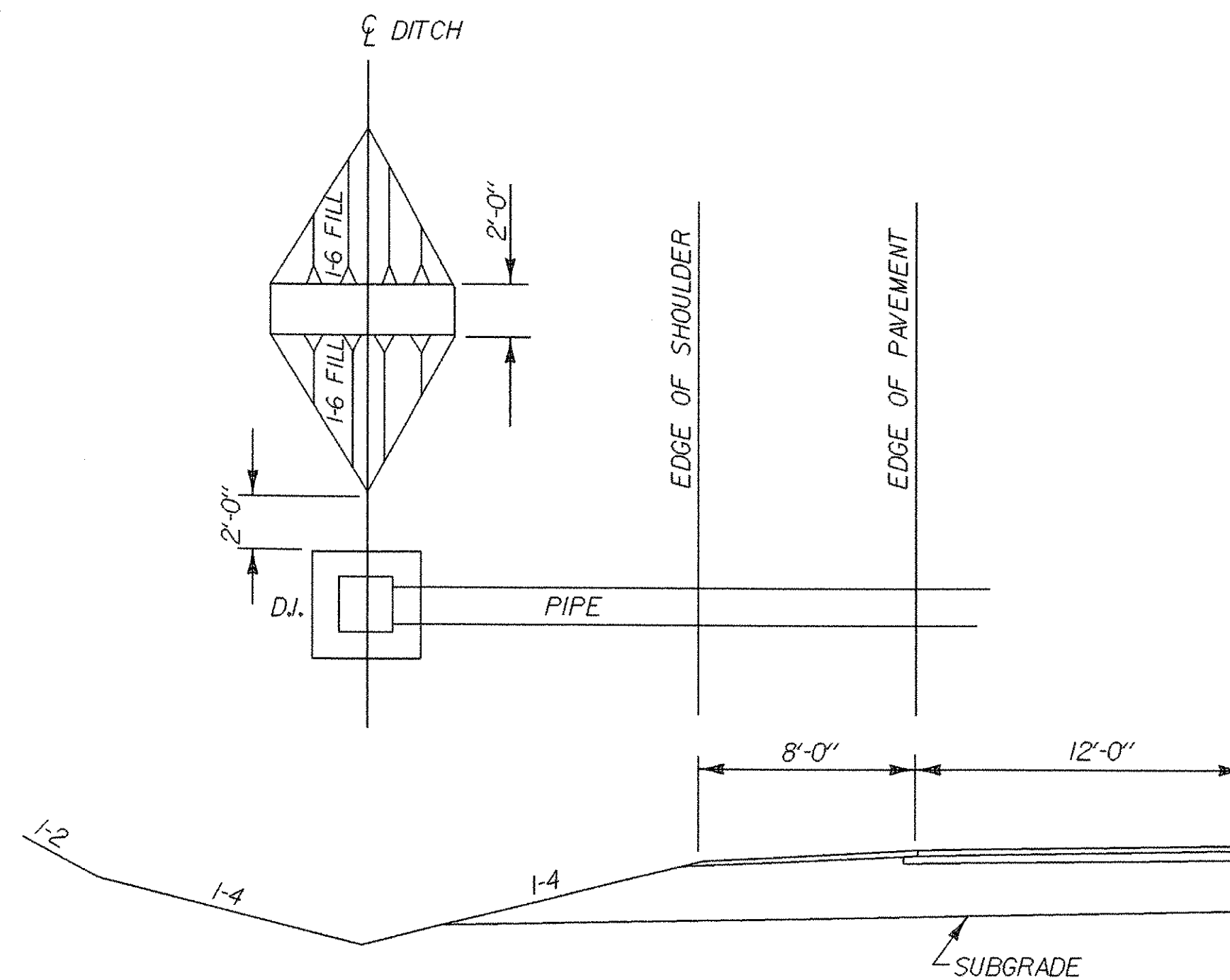
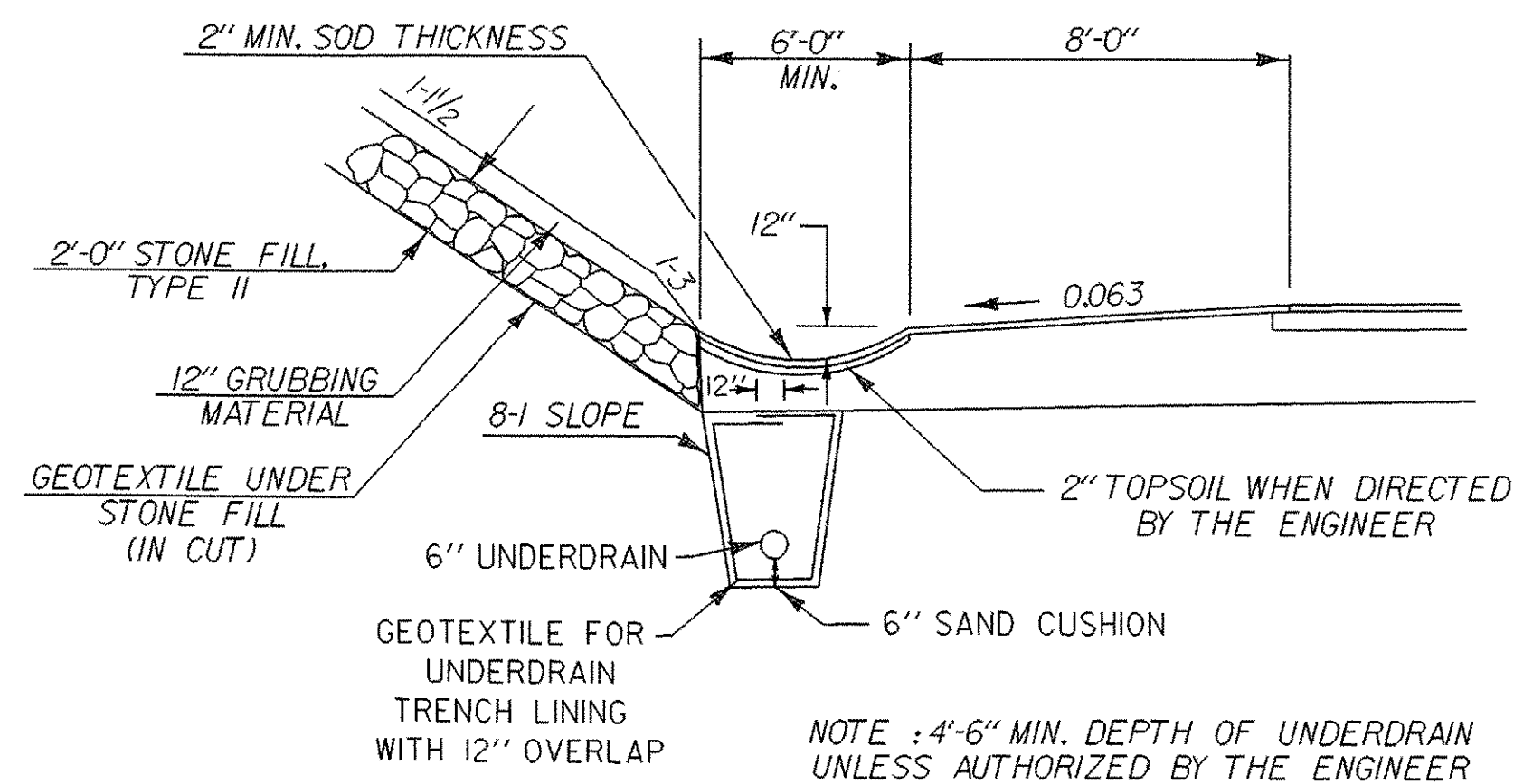
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|------------------|-----------------------------|
| SHEET NAME: | MISCELLANEOUS TYPICAL SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-I(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/dd096typ.dgn |
| IPARM FILE NAME: | landtyp03.i |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SOAUD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 4 OF 30 |

NOT TO SCALE

MISC. TYPICAL SHEET

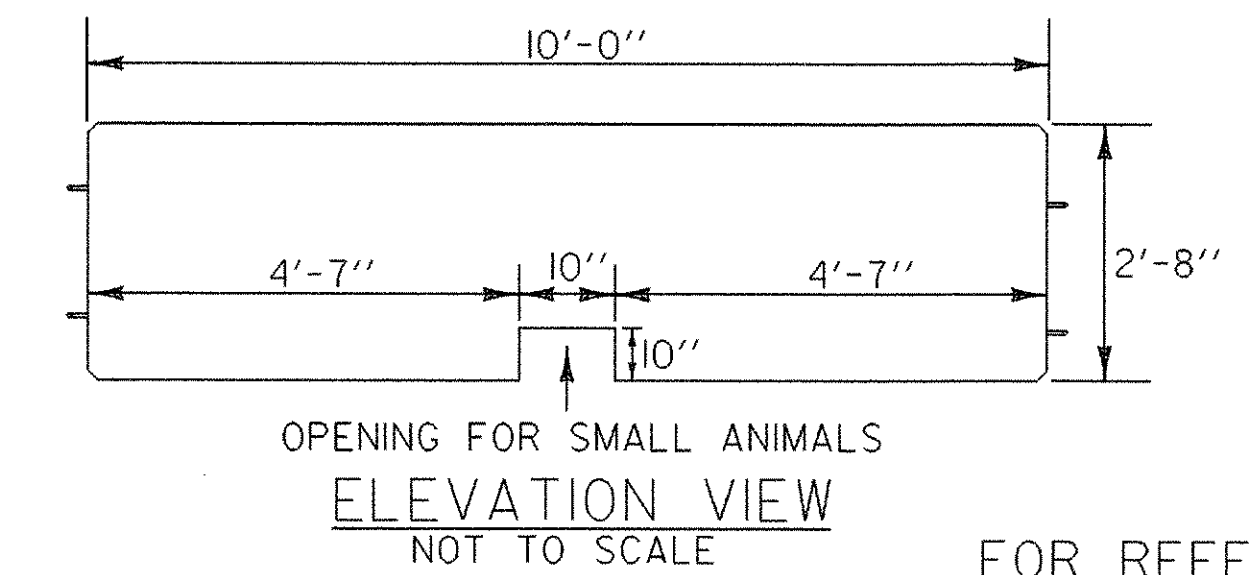


* ALSO TYPICAL FOR CUL-DE-SAC



WHERE TEMPORARY TRAFFIC BARRIER IS REQUIRED EVERY 10TH SECTION WILL BE THIS MODIFIED BARRIER TO ALLOW SMALL ANIMALS TO CROSS UNDERNEATH.

TEMPORARY TRAFFIC BARRIER---MODIFIED TUNNEL PASSAGEWAY FOR SMALL ANIMALS

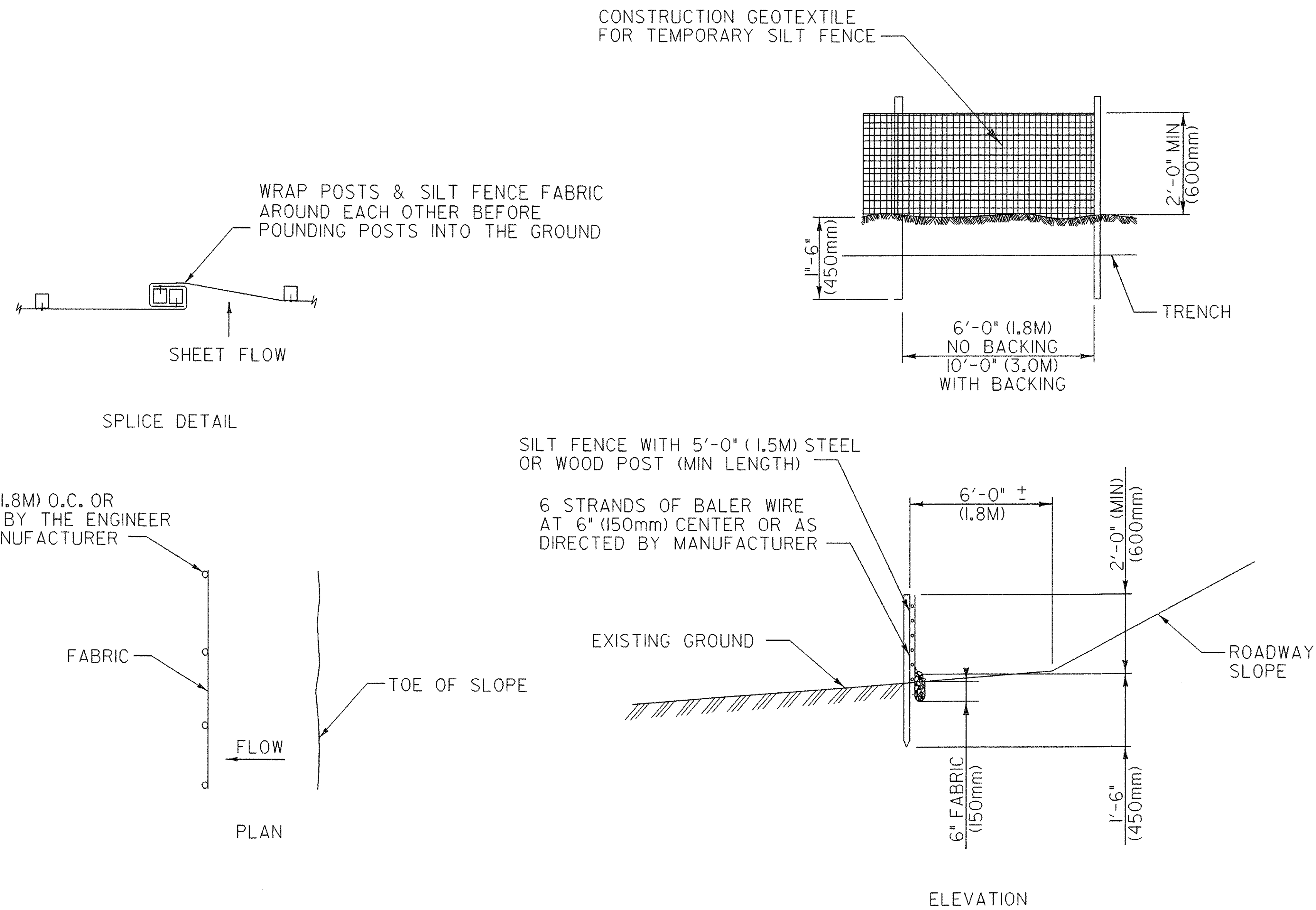


FOR REFERENCE ONLY

| | |
|------------------|-----------------------------|
| SHEET NAME: | MISCELLANEOUS TYPICAL SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/dd096+yp.dgn |
| IPARM FILE NAME: | landtyp04.i |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SOAUD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 4A OF 30 |

NOT TO SCALE

MISC. TYPICAL SHEET



SILT FENCE DETAIL

NOTES:

608.25 ALL PURPOSE EXCAVATOR
 KNOWN AREAS THROUGHOUT THE PROJECT WITH
 COMPACTED SOILS WILL NEED TO BE SCARIFIED
 AND LOOSENED FOR LARGER TREE PLANTINGS AT
 DISCRETION OF ENGINEER; TO BE PAID FOR UNDER
ALL PURPOSE EXCAVATOR RENTAL TYPE 1.

649.51 GEO-TEXTILE FOR SILT FENCE
 QUANTITY OF SILT FENCE HAS BEEN ESTIMATED
 THROUGHOUT THE PROJECT TO BE USED AT THE
 DISCRETION OF ENGINEER; TO BE PAID FOR UNDER
GEO-TEXTILE FOR SILT FENCE.

NOTES:

1. FILTER TO BE BURIED APPROXIMATELY 6" (150mm) INTO THE GROUND
2. FABRIC TO BE ATTACHED TO WIRE ON SLOPE SIDE
3. CONTRACTOR WILL FURNISH COMMERCIALY AVAILABLE SILT FENCE THAT MEETS VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION

FOR REFERENCE ONLY

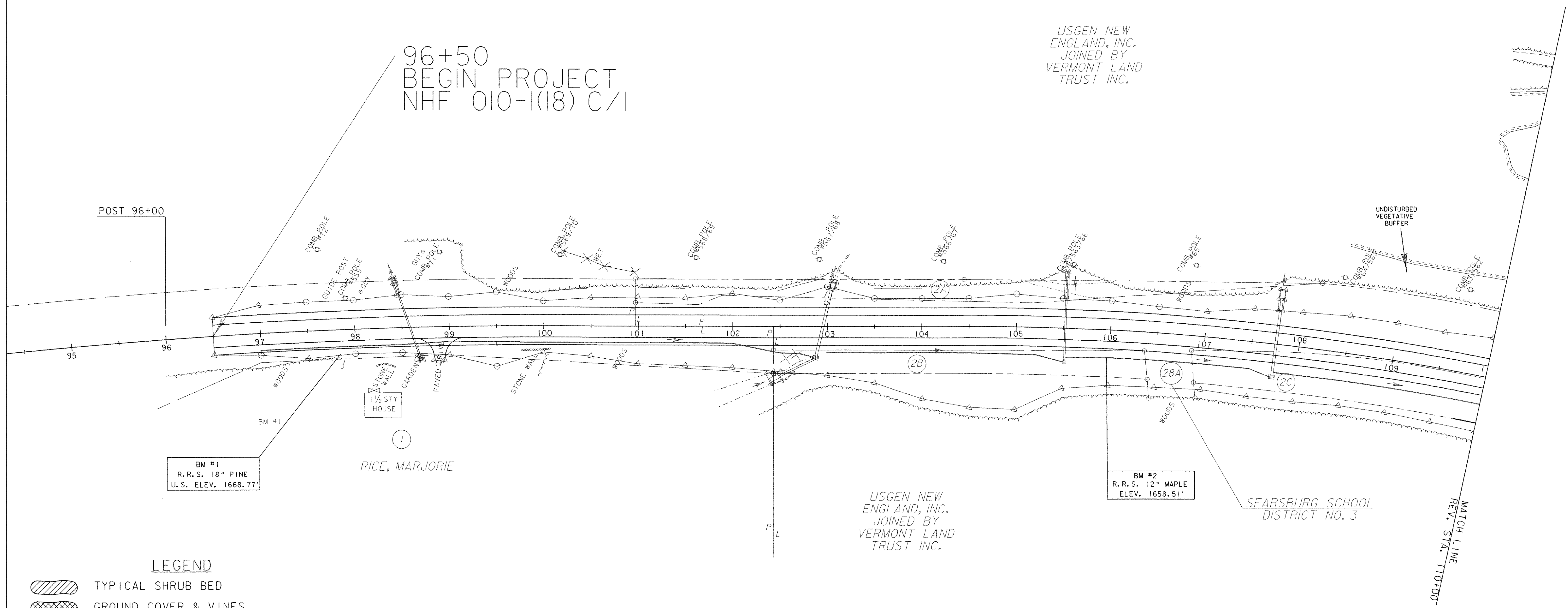
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|---------------------------------------|-----------------------------|
| SHEET NAME: | MISCELLANEOUS TYPICAL SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: J. BROWN | DRAWN BY: SOUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/dd096typ.dgn | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landtyp05.i | SHEET 4B OF 30 |

NOT TO SCALE



96+50
BEGIN PROJECT
NHF 010-1(18) C/1

USGEN NEW ENGLAND, INC.
JOINED BY VERMONT LAND TRUST INC.



BM #1
R. R. S. 18" PINE
U. S. ELEV. 1668.77'

RICE, MARJORIE

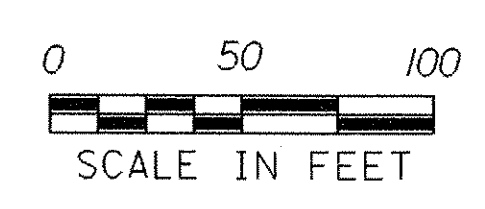
BM #2
R. R. S. 12" MAPLE
ELEV. 1658.51'

SEARSBURG SCHOOL DISTRICT NO. 3

LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

*NOTE:
1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.



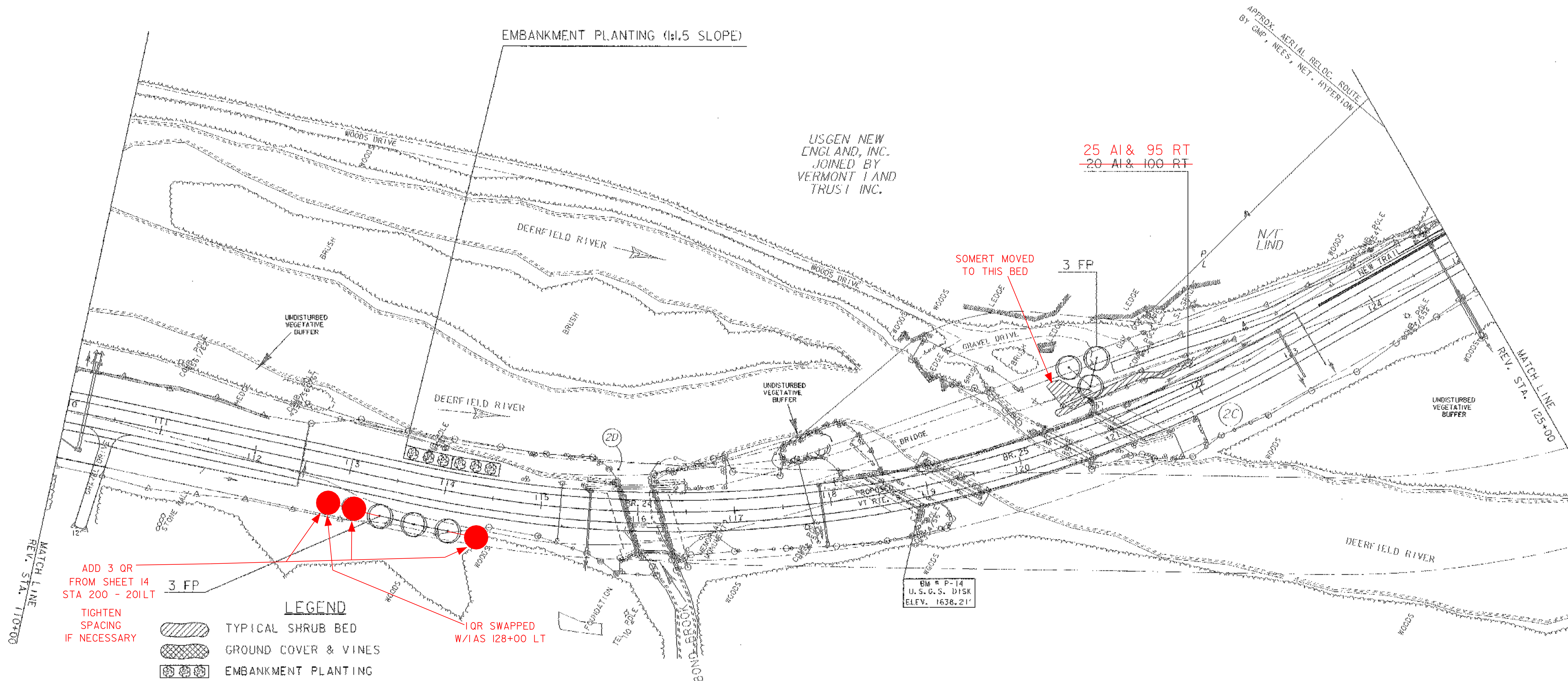
FOR LANDSCAPE ONLY

| | |
|------------------|---------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/landbdr.dgn |
| IPARM FILE NAME: | land01.i |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 7 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 113+50 TO 114+50 LT (4 BPO-TR, 4 FA-TR, 4 QR-TR, 8 PT-TR, 36 CS, 36 SP, & 44 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 113+25 TO 114+25 RT (3FP)
 STA 120+75 TO 121+25 LT (3FP)

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 120+50 TO 122+00 LT (20 AI & 100 RT)



USGEN NEW ENGLAND, INC.
 JOINED BY
 VERMONT LAND TRUST INC.

25 AI & 95 RT
~~20 AI & 100 RT~~

SOMERT MOVED TO THIS BED

3 FP

ADD 3 QR
 FROM SHEET 14
 STA 200 - 201LT

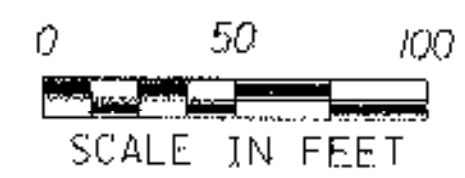
3 FP

1 QR SWAPPED
 W/IAS 128+00 LT

LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT
 THE DISCRETION OF THE ENGINEER.



USGEN NEW ENGLAND, INC.
 JOINED BY
 VERMONT LAND TRUST INC.

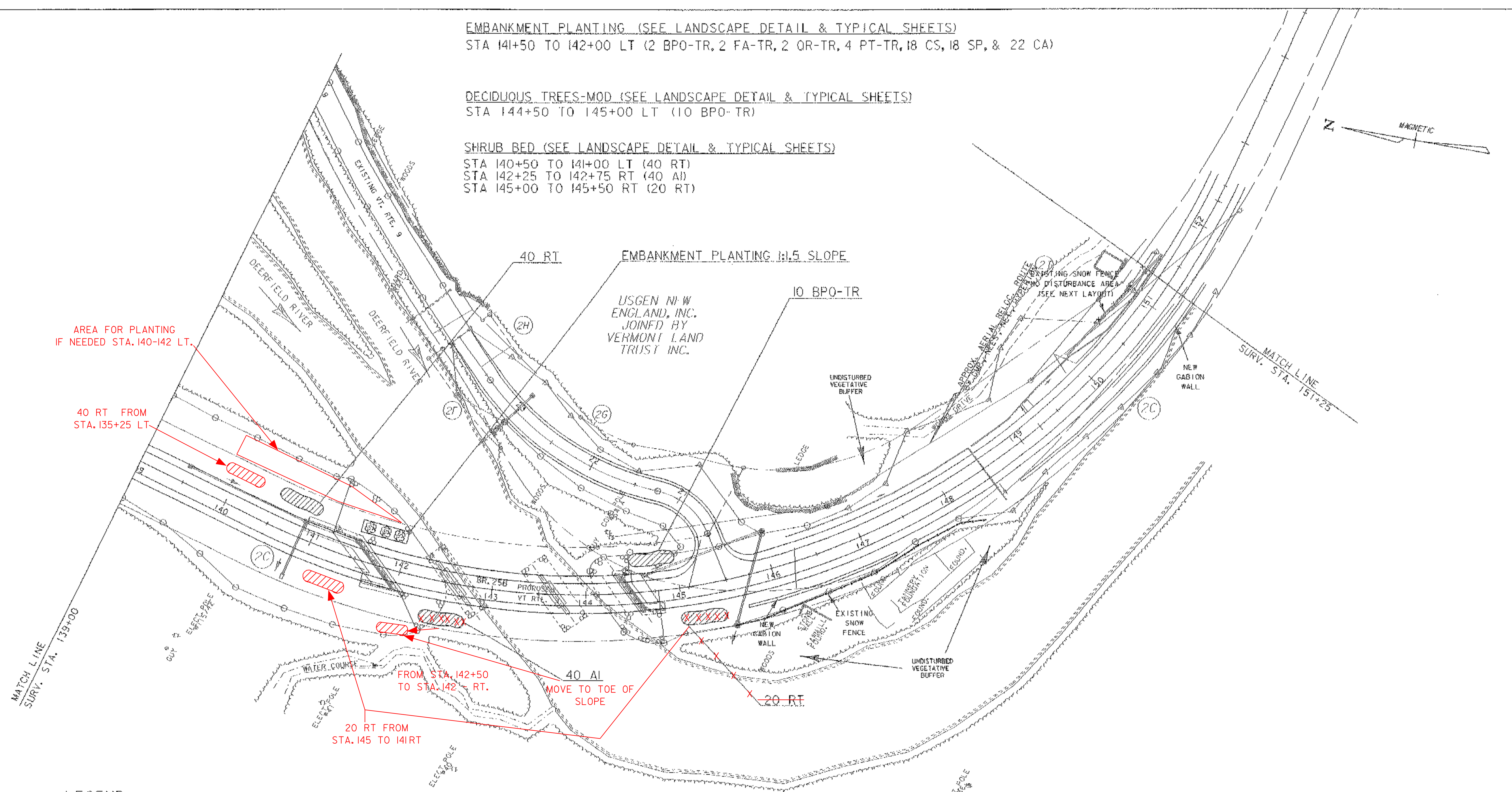
FOR LANDSCAPE ONLY

| | |
|------------------|----------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78-0096/design/landbdr.dgn |
| IPARM FILE NAME: | land02J |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 8 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 141+50 TO 142+00 LT (2 BPO-TR, 2 FA-TR, 2 QR-TR, 4 PT-TR, 18 CS, 18 SP, & 22 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 144+50 TO 145+00 LT (10 BPO-TR)

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 140+50 TO 141+00 LT (40 RT)
 STA 142+25 TO 142+75 RT (40 AI)
 STA 145+00 TO 145+50 RT (20 RT)



LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

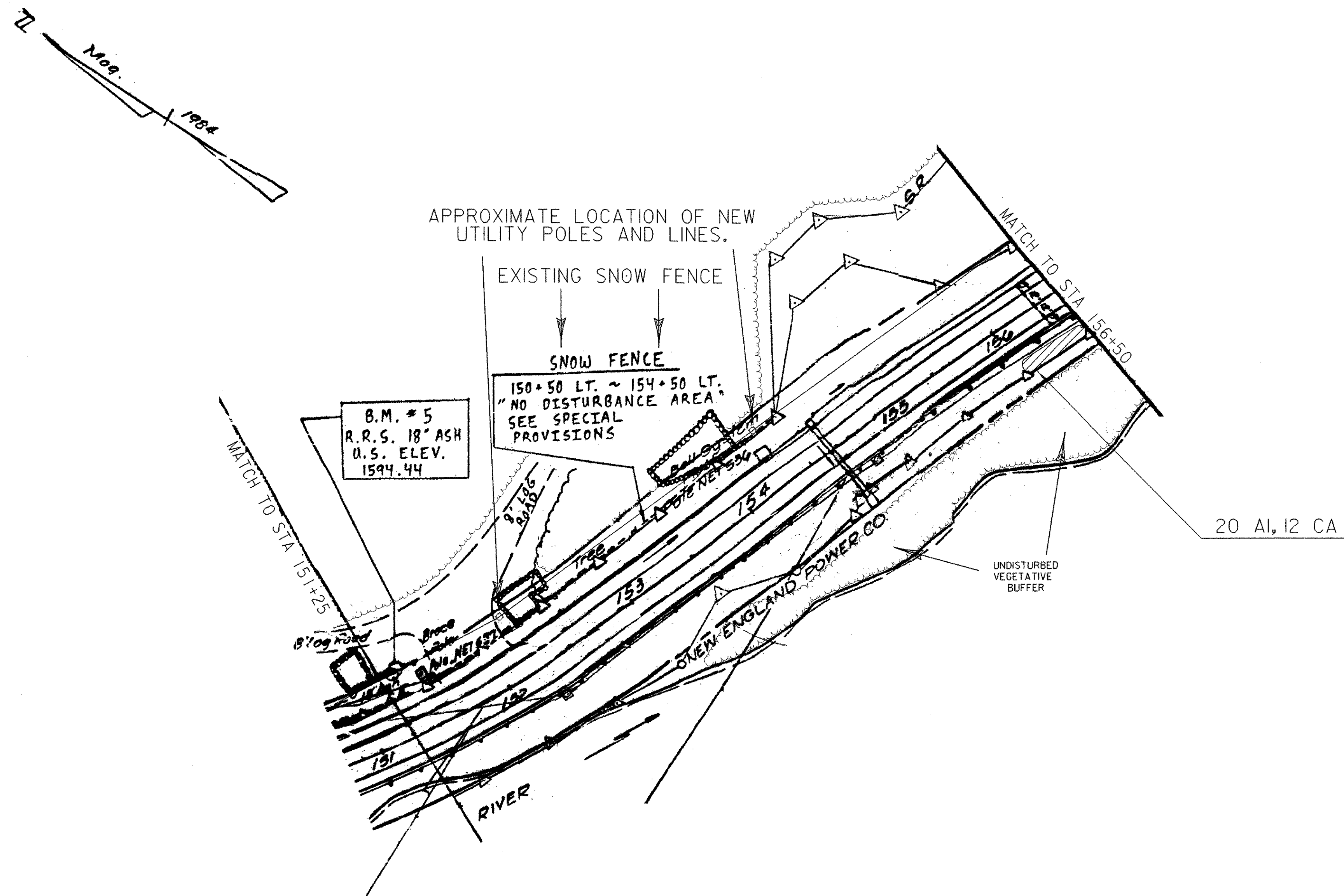


USGEN NEW ENGLAND, INC. JOINED BY VERMONT LAND TRUST INC.

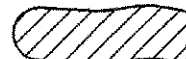

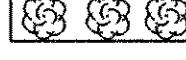




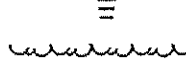

FOR LANDSCAPE ONLY

| | |
|--------------------------------------|------------------------|
| SHEET NAME: PLAN VIEW SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SQUAD B |
| FILE NAME: 78d096/design/landbdr.dgn | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: land014.r | SHEET 10 OF 30 |

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 156+00 TO 156+50 RT (20 AI, 12 CA)



LEGEND

-  TYPICAL SHRUB BED
-  GROUND COVER & VINES
-  EMBANKMENT PLANTING
-  PLANTING POCKET
-  PLANTING BED OVER GEO-GRID
-  PROPOSED DECIDUOUS TREE (SMALL)
-  PROPOSED DECIDUOUS TREE
-  PROPOSED EVERGREEN TREE
-  EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

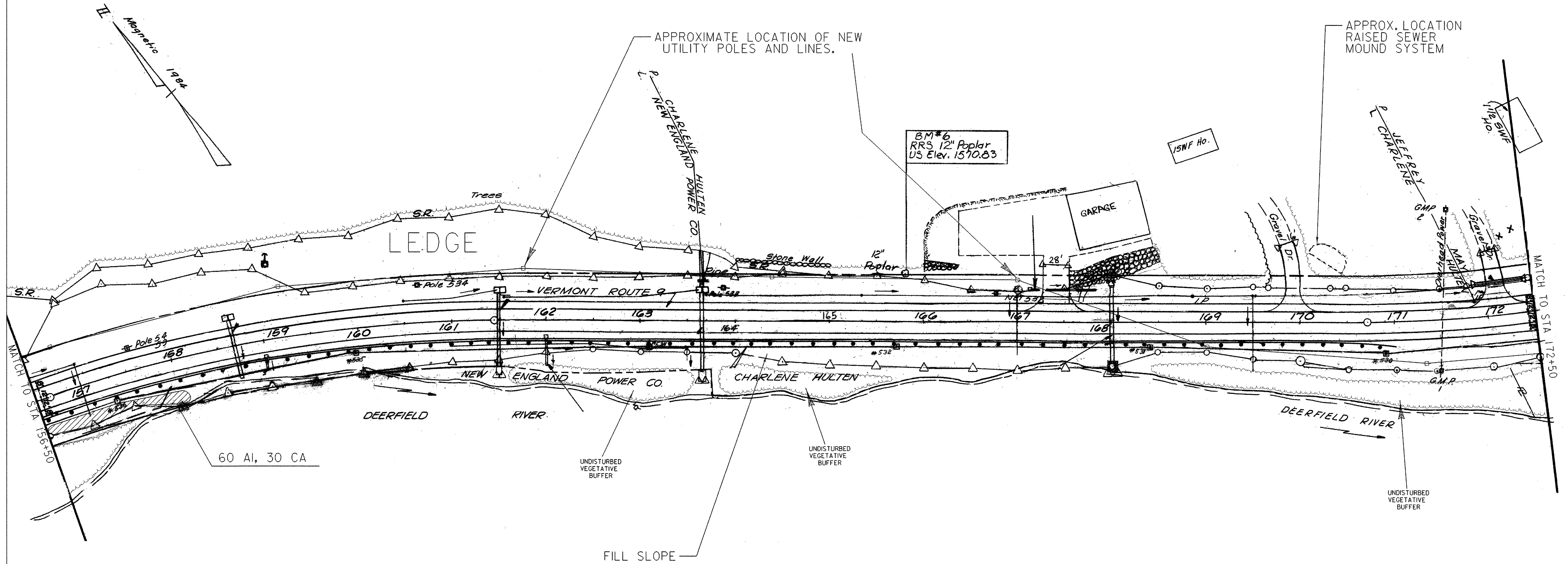


SCALE IN FEET

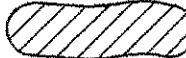








FOR LANDSCAPE ONLY

| | |
|-------------------------------------|------------------------|
| SHEET NAME: PLAN VIEW SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SQUAD B |
| FILE NAME: 78d096/design/landnl.dgn | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: land05.i | SHEET 11 OF 30 |

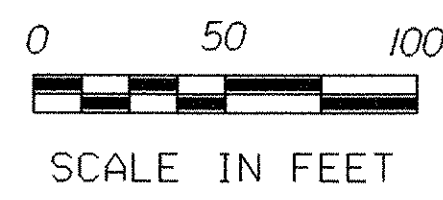
SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 156+50 TO 158+00 RT (60 AI, 30 CA)



LEGEND

-  TYPICAL SHRUB BED
-  GROUND COVER & VINES
-  EMBANKMENT PLANTING
-  PLANTING POCKET
-  PLANTING BED OVER GEO-GRID
-  PROPOSED DECIDUOUS TREE (SMALL)
-  PROPOSED DECIDUOUS TREE
-  PROPOSED EVERGREEN TREE
-  EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

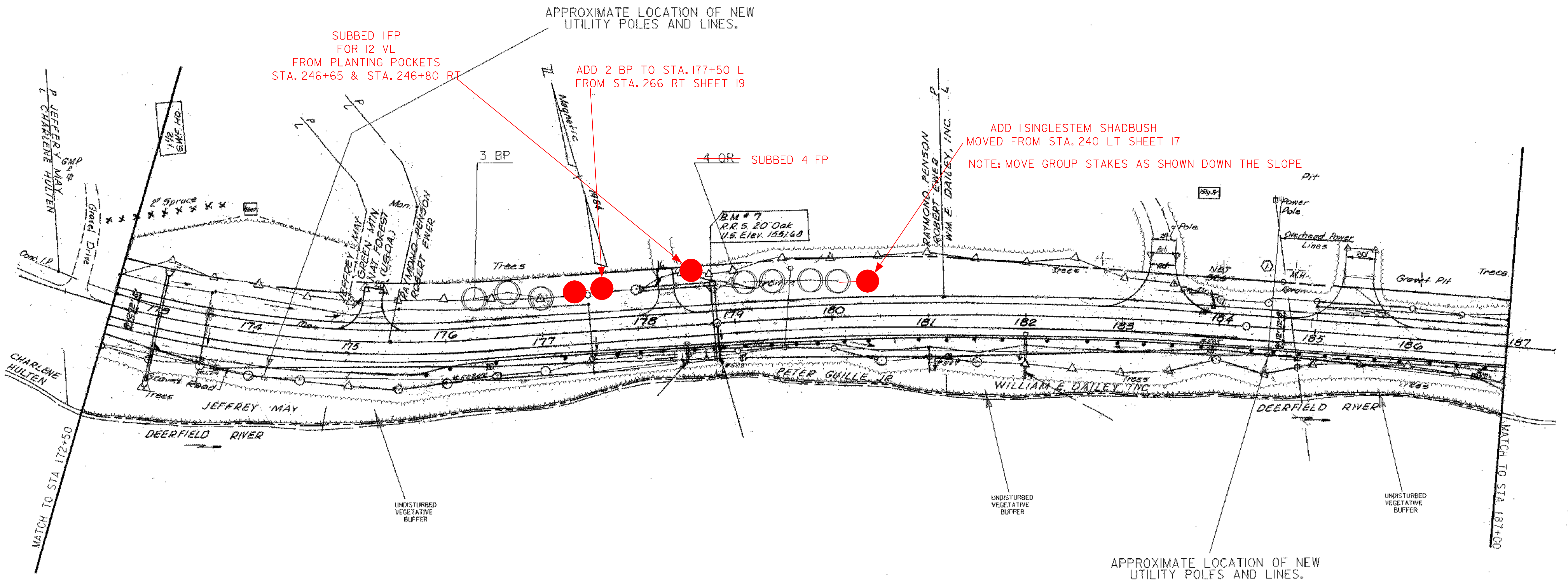


FOR LANDSCAPE ONLY

| | |
|------------------|---------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/landnu1.dgn |
| IPARM FILE NAME: | land06.i |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 12 OF 30 |

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

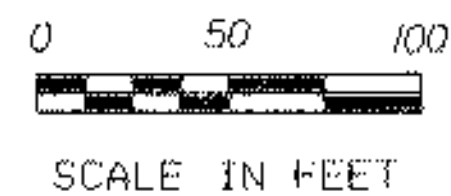
STA 176+25 TO 177+00 LT (3 BP)
 **STA 179+00 TO 180+00 LT (4 OR)
 **LOCATE 42' FROM CENTERLINE AT EDGE OF 1:4 SLOPE.



LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.



FOR LANDSCAPE ONLY

| | | | |
|------------------|---------------------------|-------------|-------------|
| SHEET NAME: | PLAN VIEW SHEET | | |
| PROJECT NAME: | SEARSBURG-WILMINGTON | | |
| PROJECT NUMBER: | NH 010-K(18) C-1 | | |
| PROJECT LEADER: | J. BROWN | DRAWN BY: | SQUAD B |
| DESIGNED BY: | J. BROWN | CHECKED BY: | SQUAD B |
| FILE NAME: | 78d096/design/landrnl.dgn | PLOT DATE: | 21-JAN-2004 |
| IPARM FILE NAME: | land07.t | SHEET | 13 OF 30 |

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

- STA 188+75 TO 189+75 LT (3 FA)
- STA 194+00 TO 194+75 LT (3 OR)
- STA 200+25 TO 200+75 LT (3 OR)
- STA 201+50 TO 202+00 LT (2 BP)
- STA 187+50 TO 188+00 RT (5 AA)
- STA 189+00 TO 189+25 RT (2 AA)
- STA 191+25 TO 192+00 RT (2 OR)
- STA 192+25 TO 193+00 RT (3 BP)
- STA 196+50 TO 197+25 RT (2 BP)
- STA 201+75 TO 202+25 RT (3 AA)

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

- STA 188+00 TO 189+00 RT (80 CS)

SUBBED 3 AA(LARGE)
FOR 2 FP AND 1QR
STA. 272+00 - STA. 273+00 LT

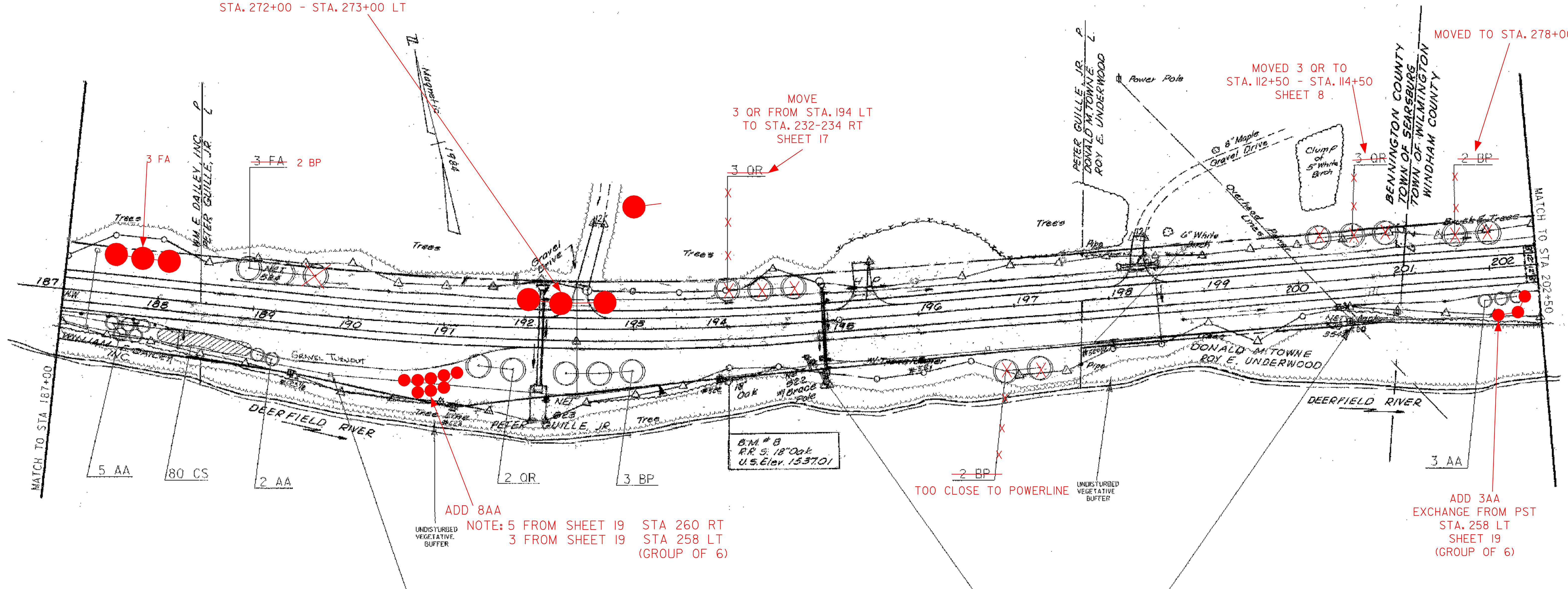
MOVE
3 OR FROM STA. 194 LT
TO STA. 232-234 RT
SHEET 17

MOVED 3 OR TO
STA. 112+50 - STA. 114+50
SHEET 8

MOVED TO STA. 278+00 RT

ADD 8AA
NOTE: 5 FROM SHEET 19 STA 260 RT
3 FROM SHEET 19 STA 258 LT
(GROUP OF 6)

ADD 3AA
EXCHANGE FROM PST
STA. 258 LT
SHEET 19
(GROUP OF 6)



LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

APPROXIMATE LOCATION OF NEW
UTILITY POLES AND LINES.

APPROXIMATE LOCATION OF NEW
UTILITY POLES AND LINES.

*NOTE:
1. EXTRA TOPSOIL SHALL BE USED AT
THE DISCRETION OF THE ENGINEER.



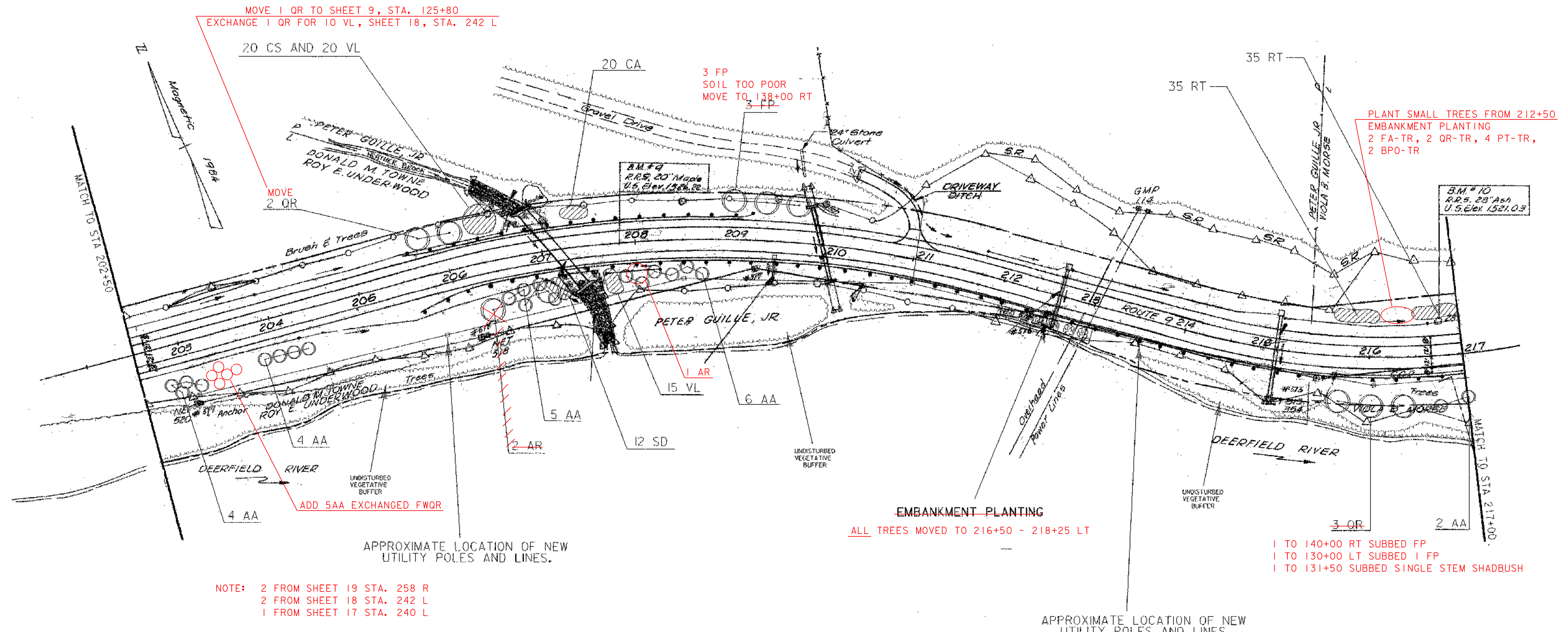
FOR LANDSCAPE ONLY

| | |
|------------------|----------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/des/ign/landnul.dgn |
| IPARM FILE NAME: | land08.j |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| | SHEET 14 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 212+00 TO 213+00 RT (4 BPO-TR, 4 FA-TR, 4 QR-TR, 8 PT-TR, 36 CS, 36 SP, & 44 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 205+75 TO 206+25 LT (2 OR)
 STA 202+75 TO 203+25 RT (4 AA)
 STA 203+75 TO 204+25 RT (4 AA)
 STA 206+25 TO 207+00 RT (5 AA, 2 AR)
 STA 207+75 TO 208+75 RT (6 AA)
 STA 215+75 TO 216+25 RT (3 QR)
 **STA 216+75 TO 217+00 RT (2 AA)
 **PLANT AT TOE OF SLOPE.

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 206+25 TO 206+50 LT (20 CS, 20 VL)
 STA 207+25 TO 207+50 LT (20 CA)
 STA 215+50 TO 216+00 LT (35 RT)
 STA 216+50 TO 217+00 LT (35 RT)
 STA 207+00 TO 207+25 RT (12 SD)
 STA 207+55 TO 207+75 RT (15 VL)



NOTE: 2 FROM SHEET 19 STA. 258 R
 2 FROM SHEET 18 STA. 242 L
 1 FROM SHEET 17 STA. 240 L

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

- LEGEND**
- TYPICAL SHRUB BED
 - GROUND COVER & VINES
 - EMBANKMENT PLANTING
 - PLANTING POCKET
 - PLANTING BED OVER GEO-GRID
 - PROPOSED DECIDUOUS TREE (SMALL)
 - PROPOSED DECIDUOUS TREE
 - PROPOSED EVERGREEN TREE
 - EDGE OF TREE LINE



FOR LANDSCAPE ONLY

| | |
|------------------|---------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/landnu1.dgn |
| IPARM FILE NAME: | land09.t |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 15 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 227+50 TO 228+00 RT (2 BPO-TR, 2 FA-TR, 2 QR-TR, 4 PT-TR, 18 CS, 18 SP, & 22 CA)

PLANTING POCKET (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 228+50 TO 229+00 RT (2 BPO-TR, 2 FA-TR, 2 QR-TR, 6 VL, 6 AM, & 6 CR)

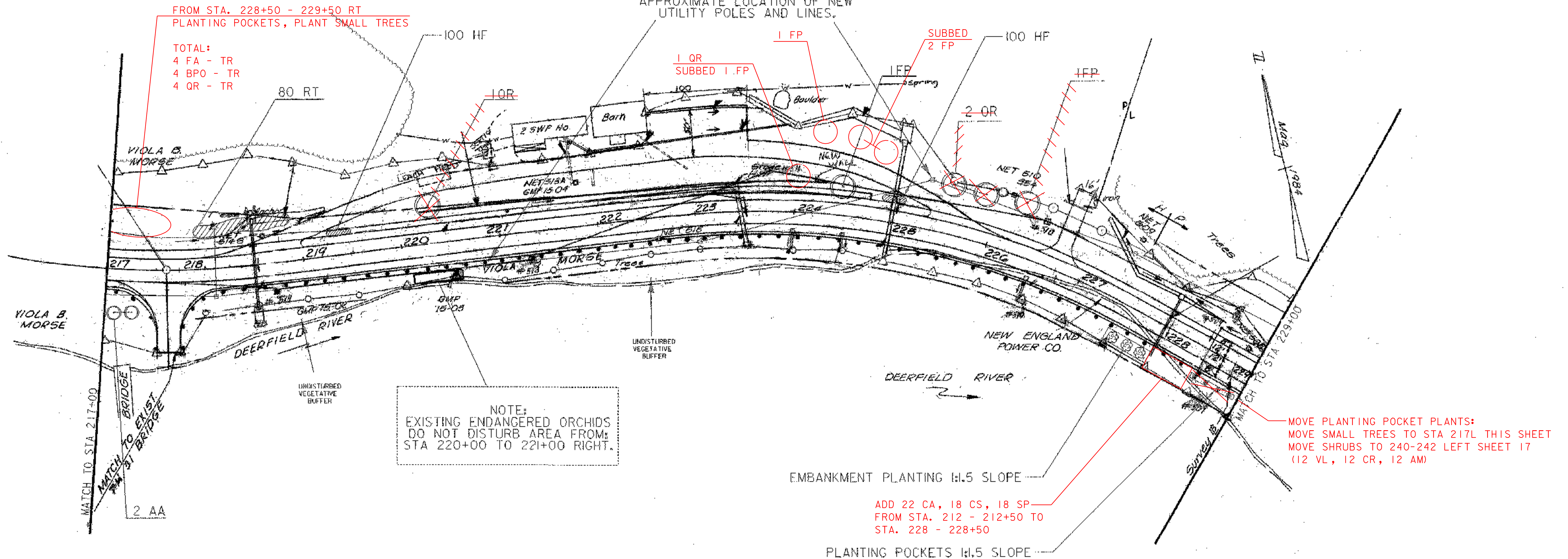
DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 217+00 TO 217+25 RT (2 AA)
 STA 220+25 LT (1QR)
 STA 224+50 LT (1FP)
 STA 225+50 TO 226+00 LT (2 QR)
 STA 226+25 LT (1FP)

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 218+00 TO 219+00 LT (80 RT)

GROUND COVER (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 **STA 219+25 TO 219+45 LT (100 HF)
 **STA 224+85 TO 225+05 LT (100 HF)
 **FINAL LOCATION TO BE DETERMINED IN THE FIELD.

NOTE: STA 219+00 TO 225+00 LEFT
 COORDINATE WITH HOMEOWNER
 FOR FINAL LOCATION.

APPROXIMATE LOCATION OF NEW
 UTILITY POLES AND LINES.



FROM STA. 228+50 - 229+50 RT
 PLANTING POCKETS, PLANT SMALL TREES

TOTAL:
 4 FA - TR
 4 BPO - TR
 4 QR - TR

NOTE:
 EXISTING ENDANGERED ORCHIDS
 DO NOT DISTURB AREA FROM:
 STA 220+00 TO 221+00 RIGHT.

MOVE PLANTING POCKET PLANTS:
 MOVE SMALL TREES TO STA 217L THIS SHEET
 MOVE SHRUBS TO 240-242 LEFT SHEET 17
 (12 VL, 12 CR, 12 AM)

ADD 22 CA, 18 CS, 18 SP
 FROM STA. 212 - 212+50 TO
 STA. 228 - 228+50

LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT
 THE DISCRETION OF THE ENGINEER.



SCALE IN FEET

FOR LANDSCAPE ONLY

| | |
|--------------------------------------|------------------------|
| SHEET NAME: PLAN VIEW SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SQUAD B |
| FILE NAME: 78d096/desigr/landnul.dgn | PLOT DATE: 21-JAN-2004 |
| WARM FILE NAME: land10.l | SHEET 16 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 237+00 TO 238+00 RT (4 BPO-TR, 4 FA-TR, 4 QR-TR, 8 PT-TR, 36 CS, 36 SP, & 44 CA)
 STA 240+25 TO 240+75 RT (2 BPO-TR, 2 FA-TR, 2 QR-TR, 4 PT-TR, 18 CS, 18 SP, & 22 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

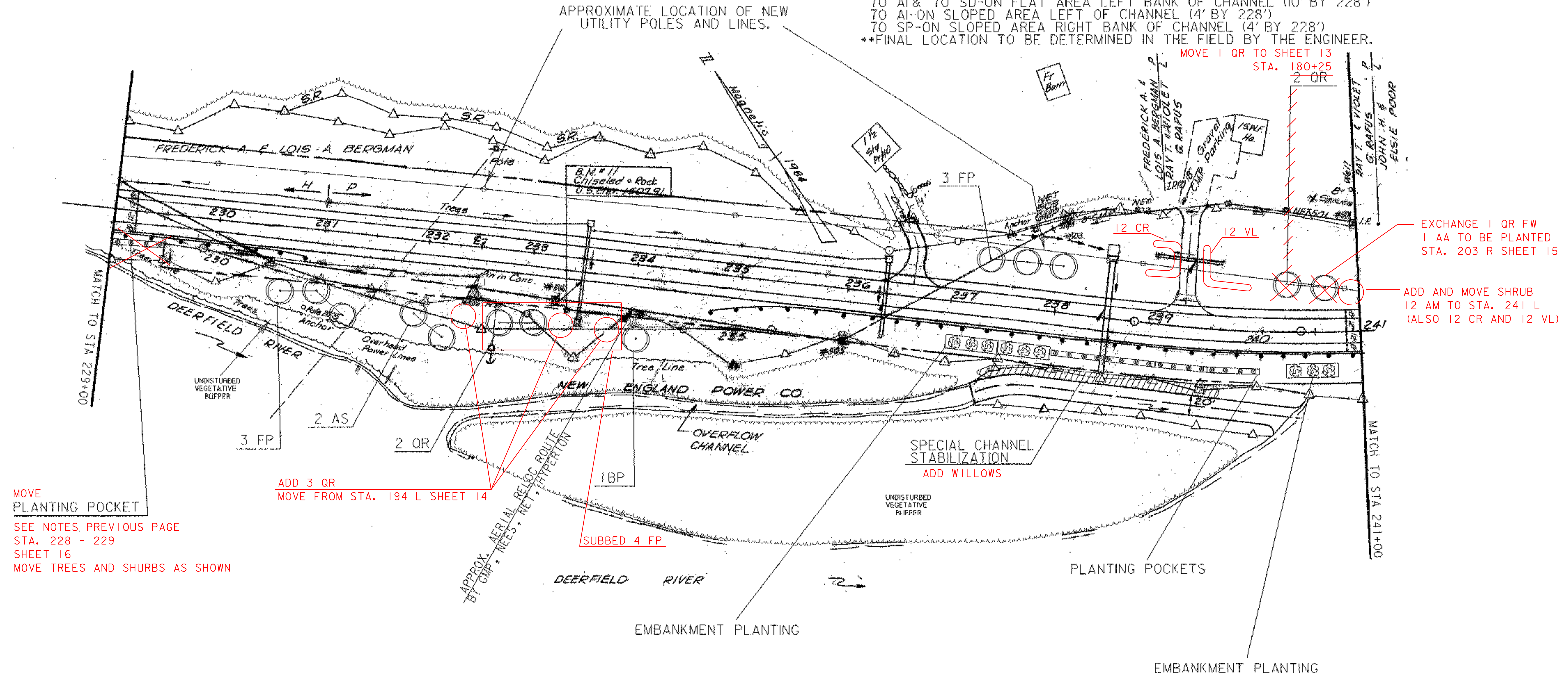
STA 237+25 TO 238+00 LT (3 FP)
 STA 240+25 TO 240+50 LT (2 QR)
 STA 230+50 TO 231+25 RT (3 FP)
 STA 232+00 TO 232+25 RT (2 AS)
 STA 232+75 TO 233+00 RT (2 QR)
 STA 234+00 RT (1BP)

PLANTING POCKET (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 229+00 TO 229+50 RT (2 BPO-TR, 2 FA-TR, 2 QR-TR, 6 VL, 6 AM, & 6 CR)
 STA 238+00 TO 240+00 RT (8 BPO-TR, 8 FA-TR, 8 QR-TR, 24 VL, 24 AM, & 24 CR)

CHANNEL STABILIZATION SHRUB PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

**STA 237+40 TO 239+70 RT
 228' LENGTH AT TOE OF SLOPE
 70 AI & 70 SD-ON FLAT AREA LEFT BANK OF CHANNEL (10' BY 228')
 70 AI-ON SLOPED AREA LEFT OF CHANNEL (4' BY 228')
 70 SP-ON SLOPED AREA RIGHT BANK OF CHANNEL (4' BY 228')
 **FINAL LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.



MOVE PLANTING POCKET
 SEE NOTES, PREVIOUS PAGE
 STA. 228 - 229
 SHEET 16
 MOVE TREES AND SHRUBS AS SHOWN

ADD 3 QR
 MOVE FROM STA. 194 L SHEET 14

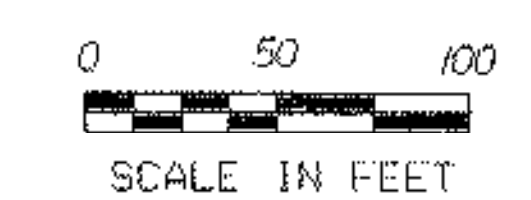
SUBBED 4 FP

EXCHANGE 1 QR FW
 1 AA TO BE PLANTED
 STA. 203 R SHEET 15

ADD AND MOVE SHRUB
 12 AM TO STA. 241 L
 (ALSO 12 CR AND 12 VL)

- LEGEND**
- TYPICAL SHRUB BED
 - GROUND COVER & VINES
 - EMBANKMENT PLANTING
 - PLANTING POCKET
 - PLANTING BED OVER GEO-GRID
 - PROPOSED DECIDUOUS TREE (SMALL)
 - PROPOSED DECIDUOUS TREE
 - PROPOSED EVERGREEN TREE
 - EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.



FOR LANDSCAPE ONLY

| | |
|------------------|---------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/desigr/landnul.dgn |
| IPARM FILE NAME: | landll1 |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 17 OF 30 |

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 242+75 TO 243+75 RT (4 BPO-TR, 4 FA-TR, 4 QR-TR, 8 PT-TR, 36 CS, 36 SP, & 44 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 241+75 TO 242+25 LT (2 QR)
 *STA 252+25 TO 253+50 RT (8 BPO-TR)
 STA 252+50 TO 253+00 RT (2 FA)
 STA 253+25 TO 253+50 RT (2 QR)
 *PLANT ON FLAT AREA MID-SLOPE, LOCATE 50' FROM CENTERLINE.

PLANT 10 VL SHRUBS AT STA. 242 L
 THESE WERE EXCHANGED FW 1 QR FROM
 SHEET 15, STA. 206 L

EXCHANGE 2 QR FOR 2 AA TO BE PLANTED
 STA. 203 SHEET 15

APPROXIMATE LOCATION OF NEW
 UTILITY POLES AND LINES.

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

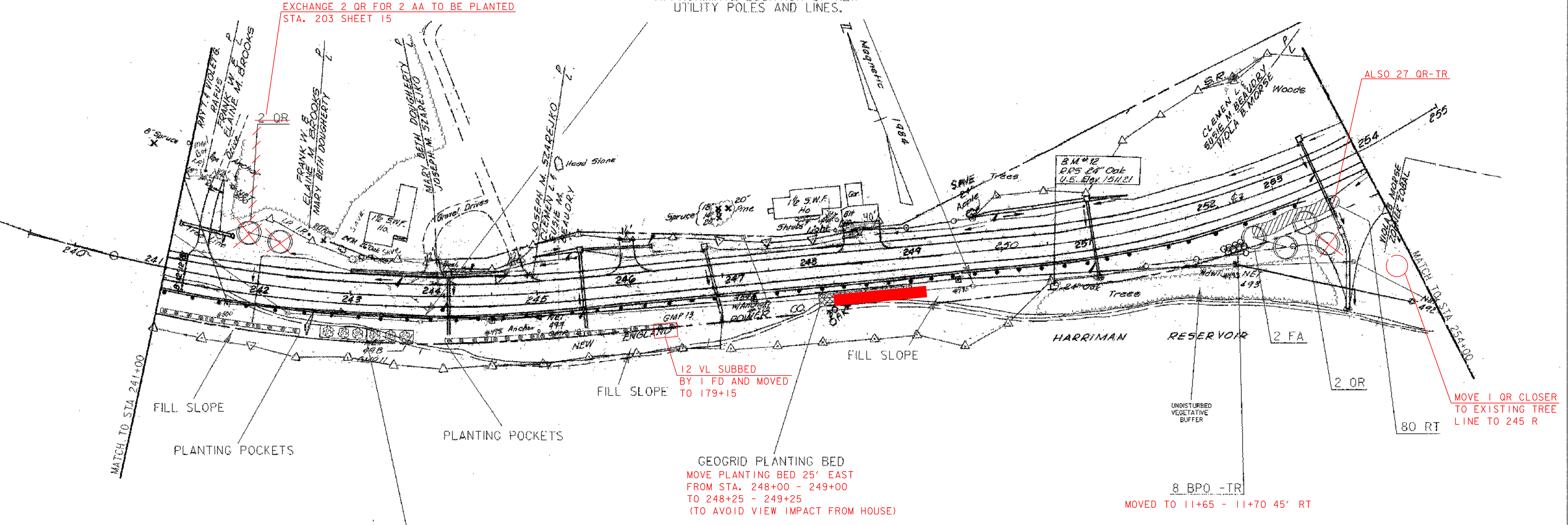
STA 252+50 TO 253+50 RT (80 RT)

PLANTING POCKET (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 241+00 TO 242+50 RT (6 BPO-TR, 6 FA-TR, 6 QR-TR, 18 VL, 18 AM, & 18 CR)
 STA 244+00 TO 246+50 RT (10 BPO-TR, 10 FA-TR, 10 QR-TR, 30 VL, 30 AM, & 30 CR)

GEOGRID (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

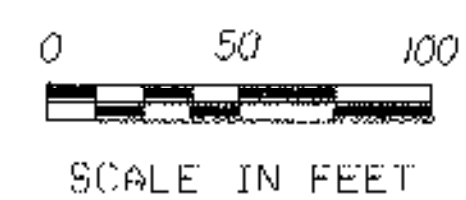
STA 248+00 TO 249+00 RT (52 CS, 48 RT, & 40 CA)



EMBANKMENT PLANTING
 VERY IRREGULAR SHAPE
 DUE TO INCONSISTENT SOIL
 CONDITIONS

- LEGEND**
- TYPICAL SHRUB BED
 - GROUND COVER & VINES
 - EMBANKMENT PLANTING
 - PLANTING POCKET
 - PLANTING BED OVER GEO-GRID
 - PROPOSED DECIDUOUS TREE (SMALL)
 - PROPOSED DECIDUOUS TREE
 - PROPOSED EVERGREEN TREE
 - EDGE OF TREE LINE

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT
 THE DISCRETION OF THE ENGINEER.

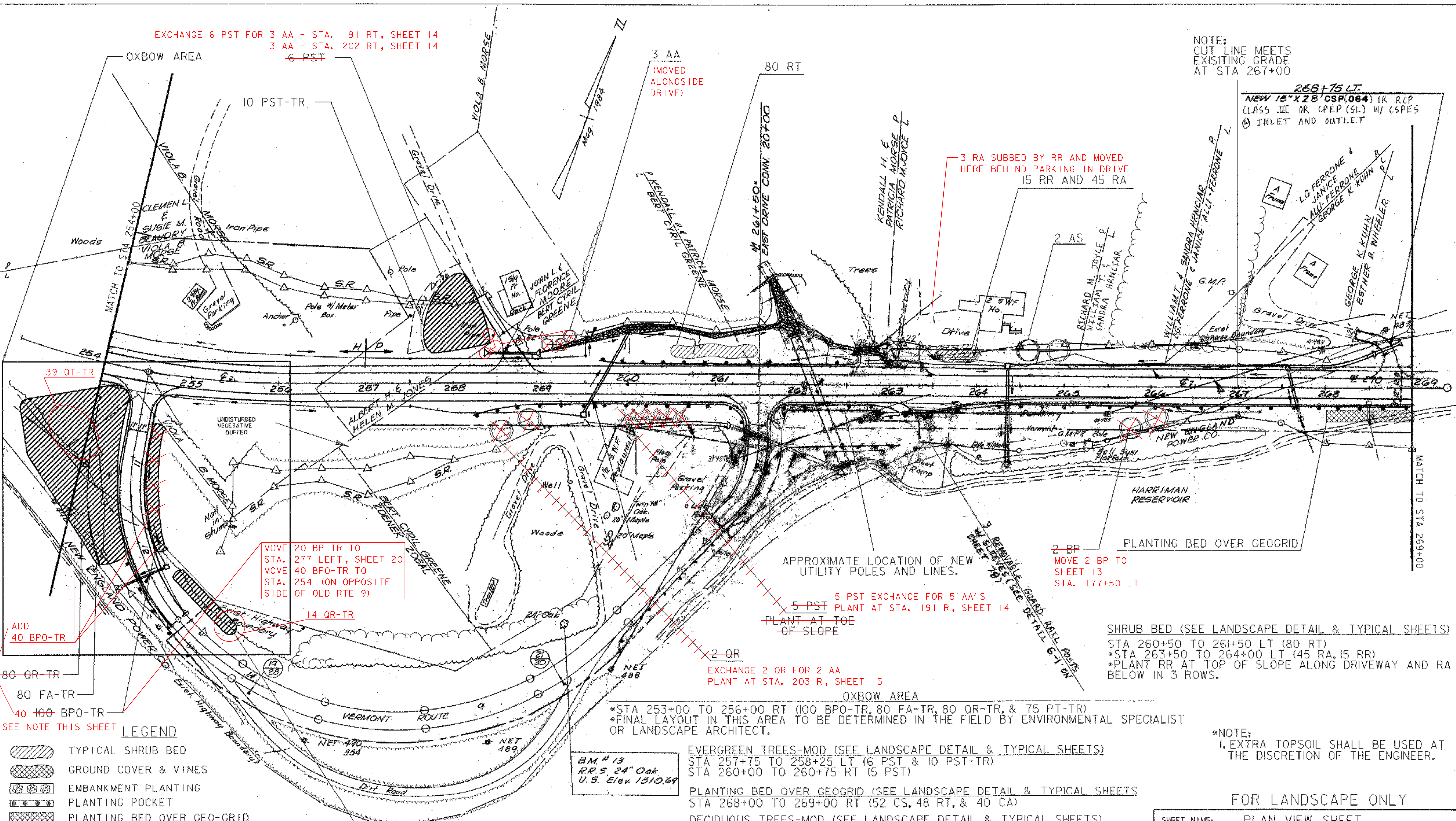


FOR LANDSCAPE ONLY

| | |
|--------------------------------------|------------------------|
| SHEET NAME: PLAN VIEW SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-(K18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SQUAD B |
| FILE NAME: 78d096/design/landnu1.dgn | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: land12.1 | SHEET 18 OF 30 |

EXCHANGE 6 PST FOR 3 AA - STA. 191 RT, SHEET 14
 3 AA - STA. 202 RT, SHEET 14
 6 PST

NOTE:
 CUT LINE MEETS
 EXISTING GRADE
 AT STA 267+00



39 QT-TR

ADD 40 BPO-TR

80 QR-TR

80 FA-TR

40 100 BPO-TR

SEE NOTE THIS SHEET

- LEGEND**
- TYPICAL SHRUB BED
 - GROUND COVER & VINES
 - EMBANKMENT PLANTING
 - PLANTING POCKET
 - PLANTING BED OVER GEO-GRID
 - PROPOSED DECIDUOUS TREE (SMALL)
 - PROPOSED DECIDUOUS TREE
 - PROPOSED EVERGREEN TREE
 - EDGE OF TREE LINE

MOVE 20 BP-TR TO STA. 277 LEFT, SHEET 20
 MOVE 40 BPO-TR TO STA. 254 (ON OPPOSITE SIDE OF OLD RTE 9)

14 QR-TR

45 75 PT-TR
 MOVE 30 PT-TR TO SHEET 20 STA. 278

BM # 13
 RR. 5 24" Oak
 U.S. Elev. 1310.69



*STA 253+00 TO 256+00 RT (100 BPO-TR, 80 FA-TR, 80 QR-TR, & 75 PT-TR)
 *FINAL LAYOUT IN THIS AREA TO BE DETERMINED IN THE FIELD BY ENVIRONMENTAL SPECIALIST OR LANDSCAPE ARCHITECT.

EVERGREEN TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 257+75 TO 258+25 LT (6 PST & 10 PST-TR)
 STA 260+00 TO 260+75 RT (5 PST)

PLANTING BED OVER GEOGRID (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 268+00 TO 269+00 RT (52 CS, 48 RT, & 40 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 259+00 TO 259+25 LT (3 AA)
 STA 264+50 TO 265+00 LT (2 AS)
 STA 258+50 TO 259+00 RT (2 QR)
 STA 265+75 TO 266+00 RT (2 BP)

PLANTING BED OVER GEOGRID (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 268+00 TO 269+00 RT (52 CS, 48 RT, & 40 CA)

APPROXIMATE LOCATION OF NEW UTILITY POLES AND LINES.

5 PST EXCHANGE FOR 5' AA'S
 5 PST PLANT AT STA. 191 R, SHEET 14
 PLANT AT TOE OF SLOPE

EXCHANGE 2 QR FOR 2 AA
 PLANT AT STA. 203 R, SHEET 15

3 RA SUBBED BY RR AND MOVED
 HERE BEHIND PARKING IN DRIVE
 15 RR AND 45 RA

2 BP
 MOVE 2 BP TO SHEET 13
 STA. 177+50 LT

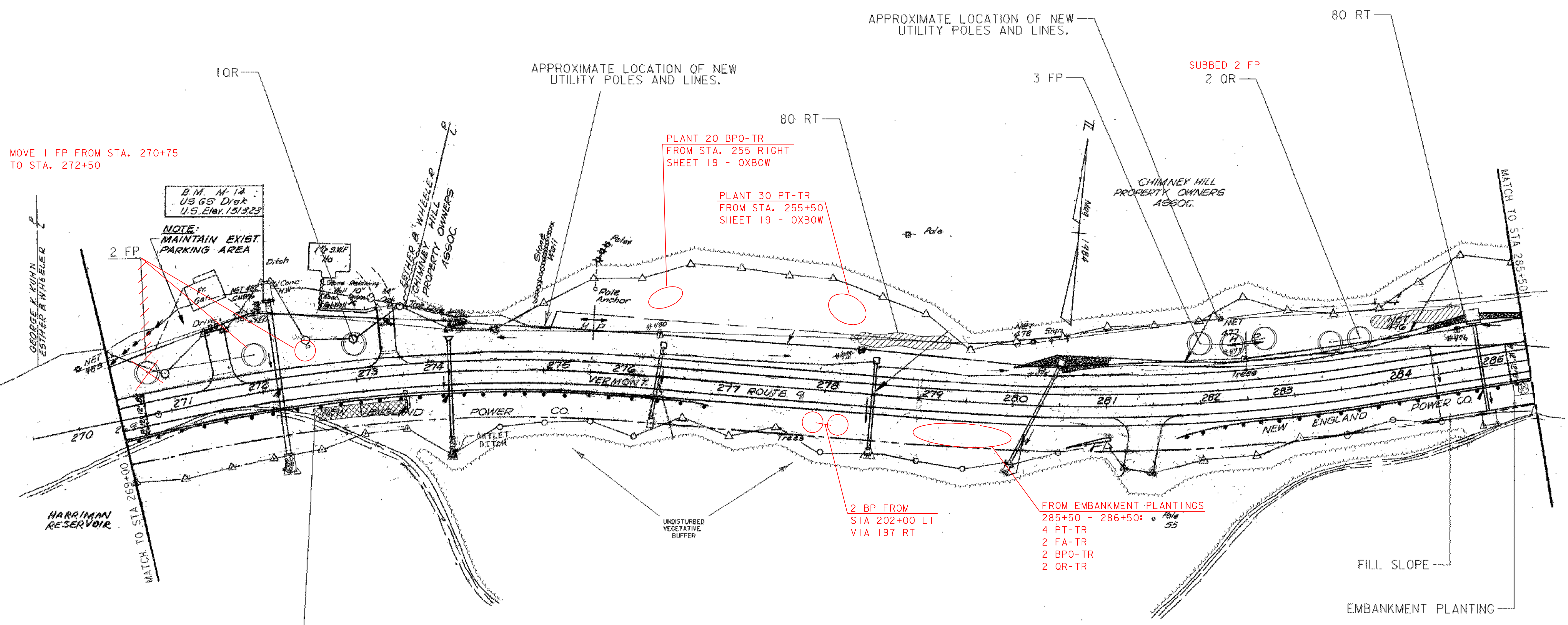
SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)
 STA 260+50 TO 261+50 LT (80 RT)
 *STA 263+50 TO 264+00 LT (45 RA, 15 RR)
 *PLANT RR AT TOP OF SLOPE ALONG DRIVEWAY AND RA BELOW IN 3 ROWS.

268+75 LT.
 NEW 15" X 28" CSP(064) OR RCP
 (CLASS III OR GPEP (SL) W/ CSPES
 @ INLET AND OUTLET

*NOTE:
 1. EXTRA TOPSOIL SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

FOR LANDSCAPE ONLY

| | |
|------------------|---------------------------|
| SHEET NAME: | PLAN VIEW SHEET |
| PROJECT NAME: | SEARSBURG-WILMINGTON |
| PROJECT NUMBER: | NHF 010-1(18) C-1 |
| PROJECT LEADER: | J. BROWN |
| DESIGNED BY: | J. BROWN |
| FILE NAME: | 78d096/design/landnul.dgn |
| IPARM FILE NAME: | landl3.f |
| DRAWN BY: | SQUAD B |
| CHECKED BY: | SQUAD B |
| PLOT DATE: | 21-JAN-2004 |
| SHEET | 19 OF 30 |



MOVE 1 FP FROM STA. 270+75 TO STA. 272+50

B.M. M-14
USGS Dred
U.S. Elev. 1513.23

NOTE:
MAINTAIN EXIST
PARKING AREA

GEORGE K. KUHN
ESTHER & WHEELER

LESTER & WHEELER
CHIMNEY HILL
PROPERTY OWNERS
ASSOC.

CHIMNEY HILL
PROPERTY OWNERS
ASSOC.

HARRIMAN
RESERVOIR

APPROXIMATE LOCATION OF NEW
UTILITY POLES AND LINES.

APPROXIMATE LOCATION OF NEW
UTILITY POLES AND LINES.

PLANT 20 BPO-TR
FROM STA. 255 RIGHT
SHEET 19 - OXBOW

PLANT 30 PT-TR
FROM STA. 255+50
SHEET 19 - OXBOW

2 BP FROM
STA 202+00 LT
VIA 197 RT

FROM EMBANKMENT PLANTINGS
285+50 - 286+50:
4 PT-TR
2 FA-TR
2 BPO-TR
2 QR-TR

PLANTING BED OVER GEOGRID

FILL SLOPE

EMBANKMENT PLANTING

EMBANKMENT PLANTING (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 285+25 TO 285+50 RT (1 BPO-TR, 1 FA-TR, 1 QR-TR, 2 PT-TR, 9 CS, 9 SP, & 11 CA)

DECIDUOUS TREES-MOD (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 270+75 TO 272+00 LT (2 FP)

STA 273+00 LT (1 OR)

STA 282+00 TO 282+75 LT (3 FP)

STA 283+50 TO 283+75 LT (2 QR)

SHRUB BED (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

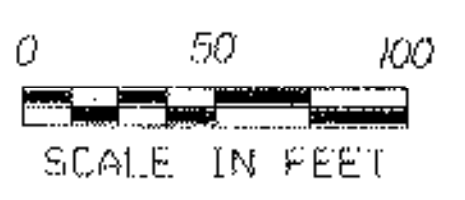
STA 278+25 TO 279+25 LT (80 RT)

STA 283+90 TO 284+90 LT (80 RT)

PLANTING BED OVER GEOGRID (SEE LANDSCAPE DETAIL & TYPICAL SHEETS)

STA 272+50 TO 273+50 RT (52 CS, 48 RT, & 40 CA)

*NOTE:
1. EXTRA TOPSOIL SHALL BE USED AT
THE DISCRETION OF THE ENGINEER.

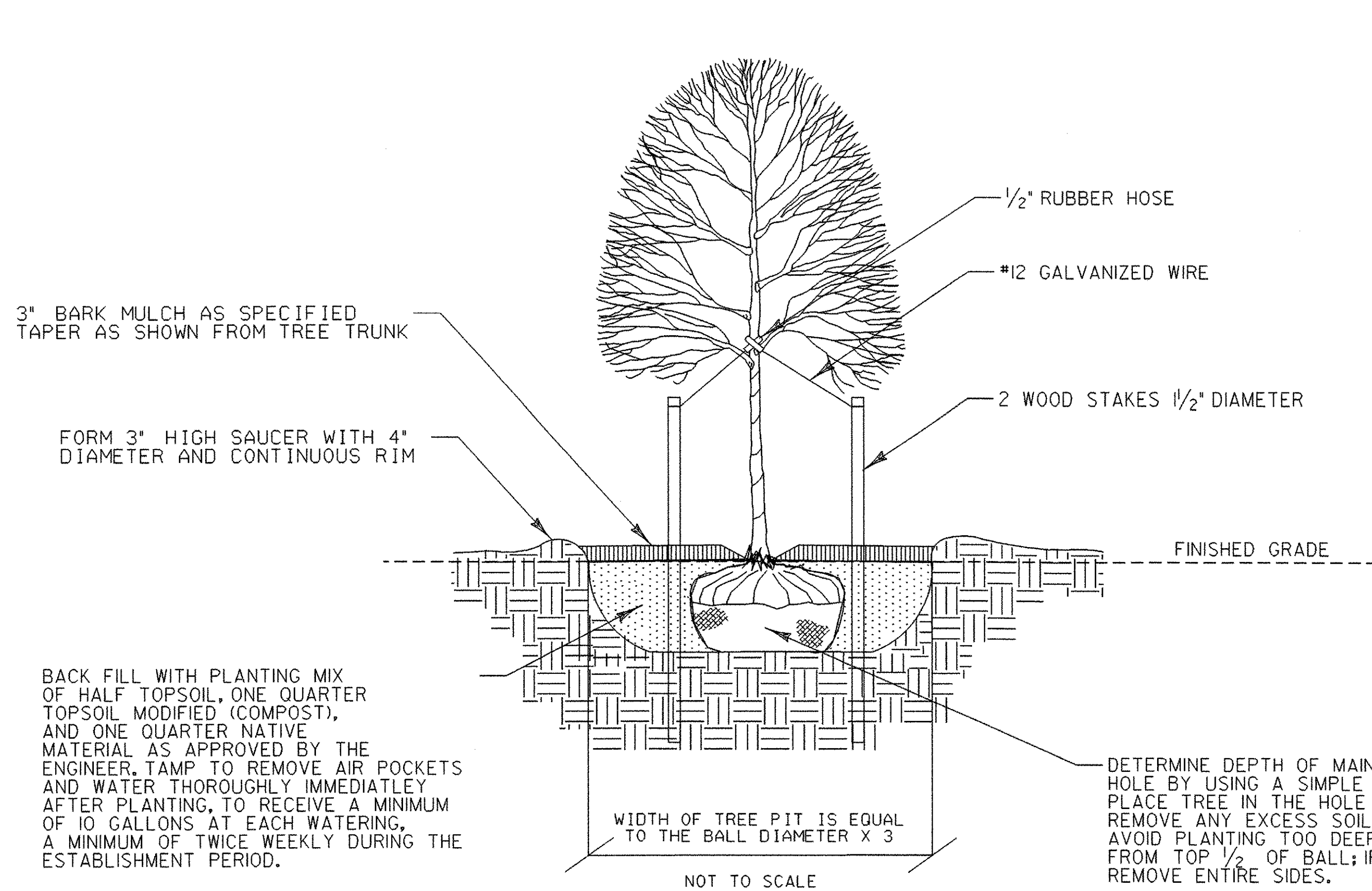


LEGEND

- TYPICAL SHRUB BED
- GROUND COVER & VINES
- EMBANKMENT PLANTING
- PLANTING POCKET
- PLANTING BED OVER GEO-GRID
- PROPOSED DECIDUOUS TREE (SMALL)
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- EDGE OF TREE LINE

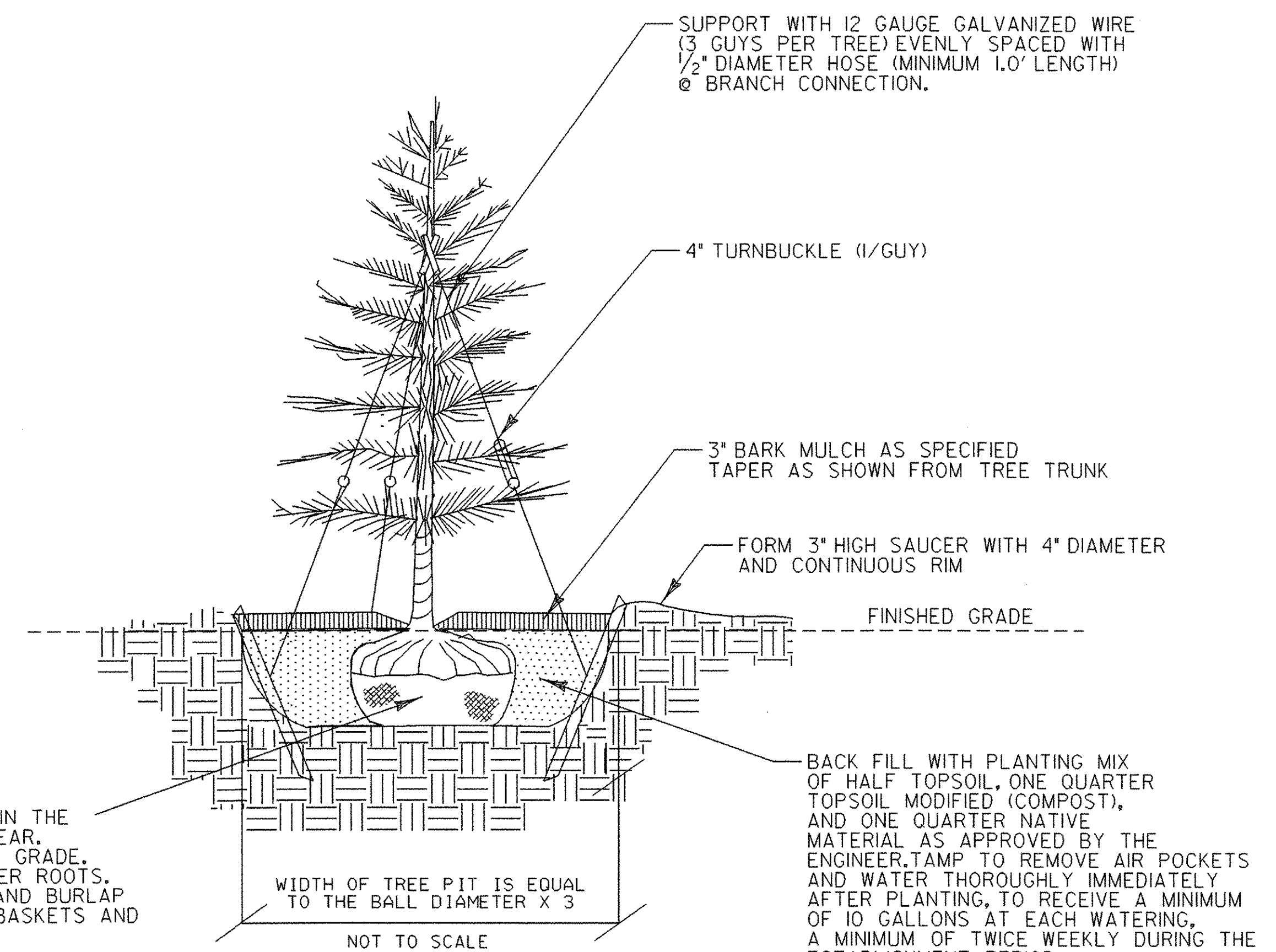
FOR LANDSCAPE ONLY

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|--------------------------------------|------------------------|
| SHEET NAME: PLAN VIEW SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-(18) C-1 | |
| PROJECT LEADER: J. BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: J. BROWN | CHECKED BY: SQUAD B |
| FILE NAME: 78d096/design/landnu1.dgn | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: land4.1 | SHEET 20 OF 30 |



DECIDUOUS TREE PLANTING DETAIL

- NOTES:**
1. STAKE ONLY THOSE TREES PLANTED IN WINDY, EXPOSED LOCATIONS, WHERE THEY MIGHT BE BLOWN OVER OR VANDALIZED.
 2. COMPLETELY REMOVE ALL GUY WIRES, RUBBER HOSE, AND STAKES ONE YEAR AFTER PLANTING.



EVERGREEN TREE PLANTING DETAIL

- NOTES:**
1. ANTI-DESICCANT SPRAY IS TO BE APPLIED TO ALL EVERGREENS PER MANUFACTURER SPECIFICATIONS.
 2. COMPLETELY REMOVE ALL GUY-WIRES AND TURNBUCKEL ONE YEAR AFTER PLANTING.

SEEDING FORMULA URBAN AREAS

| % WT. | LBS./A. | NAME | PUR % | GERM % |
|--------|---------|---------------------|-------|--------|
| 42.5 | 34.0 | CREeping RED FESCUE | 98 | 85 |
| 10.0 | 8.0 | PERENNIAL RYE GRASS | 95 | 90 |
| 42.5 | 34.0 | KENTUCKY BLUE GRASS | 85 | 85 |
| 5.0 | 4.0 | ANNUAL RYE GRASS | 95 | 85 |
| 100.00 | 80.0 | | | |

GENERAL LANDSCAPE NOTES:

1. FOLLOW STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 656.
2. SEE SPECIAL PROVISIONS FOR 651.18 FERTILIZER (MOD), THE APPLICATION OF MYCORRHIZAL FUNGI PER MANUFACTURER'S RECOMMENDATIONS AND 651.35 TOPSOIL (MOD), THE APPLICATION OF COMPOST.
3. TREE AND SHRUB SEEDLINGS ARE SPECIAL ORDER ITEMS FOR RIPARIAN ZONE AND EROSION CONTROL PLANTING. SOURCES FOR THIS SPECIAL MATERIAL ARE LISTED BELOW:

SEEDING FORMULA RURAL AREAS

| % WT. | LBS./A. | NAME | PUR % | GERM % |
|-------|---------|---------------------|-------|--------|
| 37.5 | 22.5 | CREeping RED FESCUE | 98 | 85 |
| 37.5 | 22.5 | TALL FESCUE | 95 | 90 |
| 5.0 | 3.0 | RED TOP | 95 | 90 |
| 15.0 | 9.0 | BIRDSFOOT TREFOIL | 98 | 85 |
| 5.0 | 3.0 | ANNUAL RYEGRASS | 95 | 85 |
| 100.0 | 60.0 | | | |

GENERAL NOTES

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

SEED: TO BE APPLIED PER SEEDING FORMULAS 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.

PINELANDS NURSERY & SUPPLY
323 ISLAND ROAD
COLUMBUS, N.J. 08022
TEL: 800-667-2729
FAX: 609-298-8939
ATTN: DAN SEGAL

WESTERN MAINE NURSERY
P.O. BOX 250 ONE EREGON DRIVE
FRYEBURG, MAINE 04037

NEW ENGLAND WETLAND PLANTS, INC.
820 WEST STREET
AMHERST, MA 01002
TEL: 413-256-1752
FAX: 413-256-1092

PIERSON NURSERIES, INC.
24 BUZZELL ROAD
BIDDEFORD, ME 04005
TEL: 207-499-2994
FAX: 207-499-2912

NORTHERN NURSERIES, INC.
WHOLESALE DISTRIBUTER (OUT OF CT)
P.O. BOX 1048
WHITE RIVER JCT. VT 05001
TEL: 802-295-2117
FAX: 802-295-4889
ATTN: ERNIE FINNEY-MGR.

HOP RIVER NURSERY
251 HOP RIVER ROAD
ROUTE 6
BOLTON, CT 06043
TEL. & FAX: 860-646-7099
ATTN: JIM MESSIER

BIGELOW NURSERIES
P.O. BOX 718
NORTHBOROUGH, MA 01532
TEL: 508-845-2143
FAX: 508-842-9245
ATTN: ROBERT CESAITIS

SYLVAN NURSERY, INC.
1028 HORSENECK ROAD
SOUTH WESTPORT, MA 02790
TEL: 508-636-4573
FAX: 508-636-3397
ATTN: MARY HALLENE

HORSFORD GARDENS & NURSERY
2111 GREENBUSH ROAD
CHARLOTTE, VT 05445
TEL: 802-425-2811
FAX: 802-425-2797
ATT: LORI TAXTER NURSERY-MGR.

| | |
|--|------------------------|
| SHEET NAME: VT. ROUTE 9 LANDSCAPE DETAIL SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) | |
| PROJECT LEADER: JANE BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: JANE BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/landdet | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landdet01.i | SHEET 22 OF 30 |

NOTES FOR PLANTING POCKET TYPE "A,B&C":

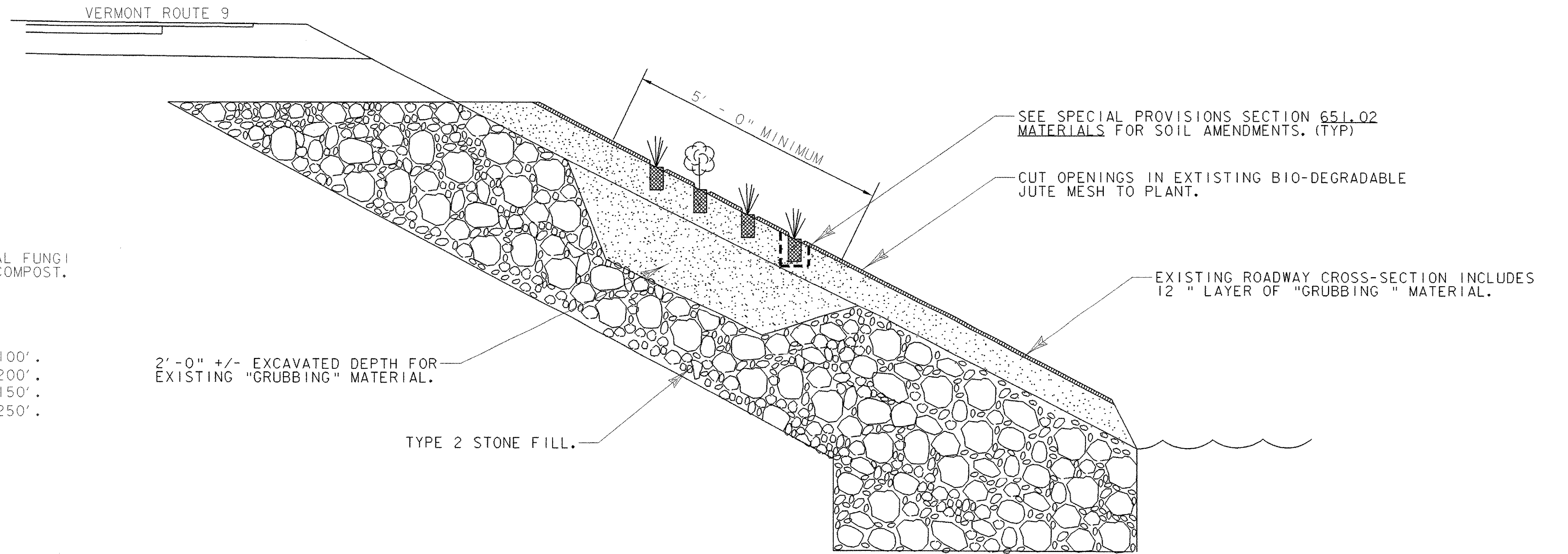
1. LOCATIONS ARE APPROXIMATE. FINAL LOCATION AND ELEVATIONS TO BE DETERMINED BY THE ENGINEER BASED ON ESTIMATED HIGH WATER FLOOD LEVELS AND SLOPE CONDITIONS.
2. BED SHAPES MAY VARY ACCORDING TO SLOPE AND BASED ON APPROVAL BY THE ENGINEER.
3. BED SHAPES ARE TO BE STAKED AND LAID OUT TO GIVE A NATURAL APPEARANCE.
4. PLANT LAYER AS SHOWN SO THE PLANTS ARE VERTICAL WITH SOIL RIDGE MOUND ON THE DOWNHILL SIDE AS SHOWN..
5. WATER ALL PLANT MATERIAL AT TIME OF PLANTING. EACH TREE UNDER 4' HEIGHT AND EACH SHRUB SHALL RECEIVE A MINIMUM OF 5 GALLONS OF WATER TWICE A WEEK.
6. SLOPE GRADIENT VARIES BETWEEN 1:1.5 AND 1:2.
7. 50' LAYOUT FOR PLANTING POCKETS REPEATED A TOTAL OF 14 TIMES OVERALL THROUGHOUT THE PROJECT.
8. SEE SPECIAL PROVISIONS FOR 651.18 FERTILIZER (MOD), THE APPLICATION OF MYCORRHIZAL FUNGI PER MANUFACTURER'S RECOMMENDATIONS AND 651.35 TOPSOIL (MOD), THE APPLICATION OF COMPOST.

LOCATION OF PLANTING POCKETS

STA 228+50 TO STA 229+50 RIGHT- 100': TYPICAL 45' LAYOUT TO BE REPEATED 2 TIMES IN 100'.
 STA 238+00 TO STA 240+00 RIGHT- 200': TYPICAL 45' LAYOUT TO BE REPEATED 4 TIMES IN 200'.
 STA 241+00 TO STA 242+50 RIGHT- 150': TYPICAL 45' LAYOUT TO BE REPEATED 3 TIMES IN 150'.
 STA 244+00 TO STA 246+50 RIGHT- 250': TYPICAL 45' LAYOUT TO BE REPEATED 5 TIMES IN 250'.

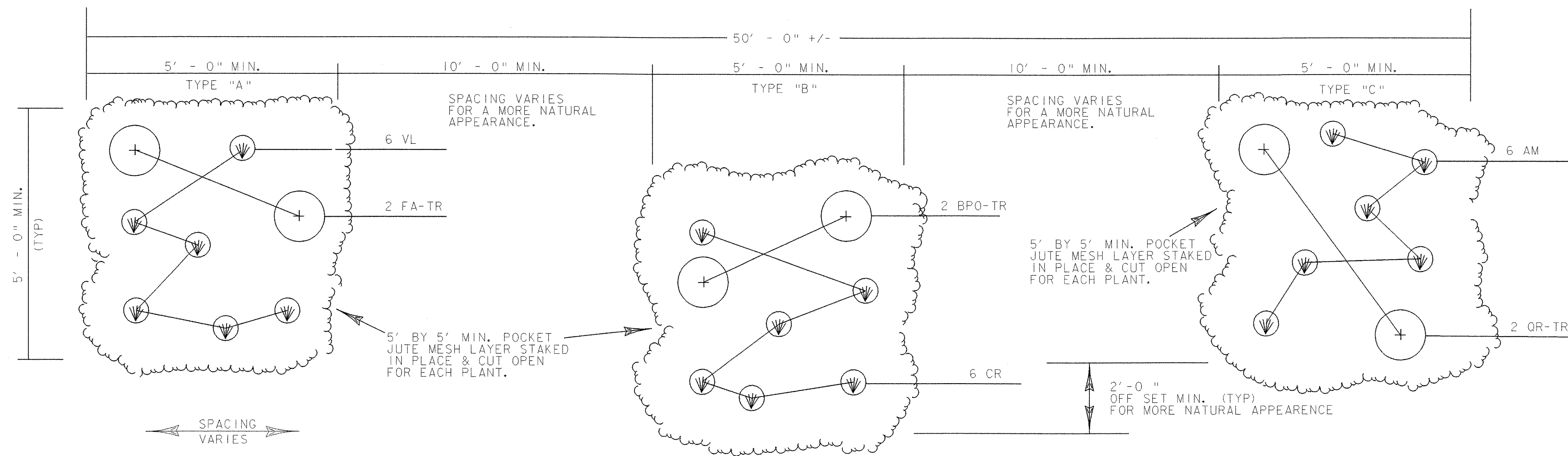
TYPICAL PLANT LIST FOR ONE PLANTING POCKET LAYOUT

| QTY | KEY | COMMON NAME | BOTANICAL NAME |
|-----|--------|--------------|--------------------|
| 6 | VL | NANNYBERRY | VIBURNUM LENTAGO |
| 2 | CR | GRAY DOGWOOD | CORNUS RACEMOSA |
| 2 | AM | CHOKEBERRY | ARONIA MELANOCARPA |
| 2 | FA-TR | WHITE ASH | FRAXINUS AMERICANA |
| 2 | BPO-TR | GRAY BIRCH | BETULA POPULIFOLIA |
| 2 | QR-TR | RED OAK | QUERCUS RUBRA |



PLANTING POCKET CROSS-SECTION IN "GRUBBING" MATERIAL OVER STONE FILL.

NOT TO SCALE



PLANTING POCKETS LAYOUT- PLAN VIEW WITH "GRUBBING" MATERIAL OVER STONE FULL.

NOT TO SCALE

SHEET NAME: VT. ROUTE 9 LANDSCAPE DETAIL SHEET

PROJECT NAME: SEARSBURG-WILMINGTON

PROJECT NUMBER: NHF 010-I(18)

PROJECT LEADER: JANE BROWN

DRAWN BY: SQUAD B

DESIGNED BY: JANE BROWN

CHECKED BY: SOAUD B

FILE NAME: T8d096/design/landdet

PLOT DATE: 21-JAN-2004

IPARM FILE NAME: landde+02.i

SHEET 23 OF 30

NOTES:

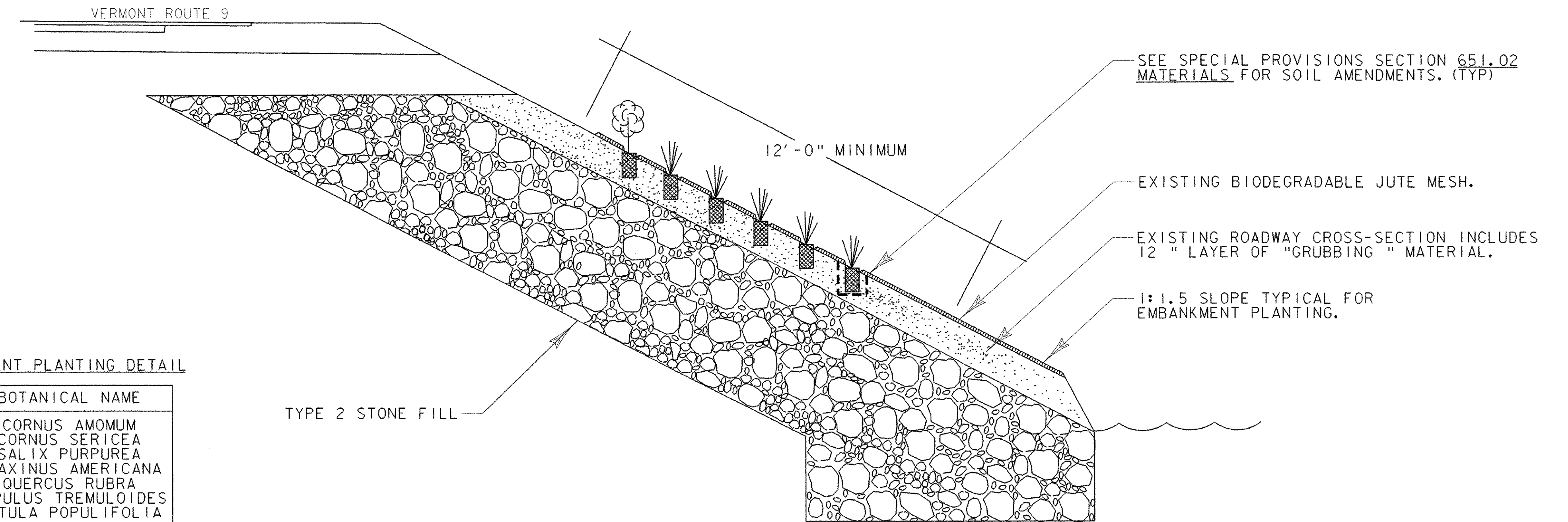
1. PLANTING LOCATIONS ARE APPROXIMATE. FINAL LOCATION AND ELEVATIONS TO BE DETERMINED BY THE ENGINEER BASED ON ESTIMATED HIGH WATER FLOOD LEVELS AND SLOPE CONDITIONS.
2. BED SHAPES ARE TO BE STAKED AND LAID OUT TO GIVE A NATURAL APPEARANCE UPON APPROVAL OF THE ENGINEER, LANDSCAPE ARCHITECT, AND PROJECT ENVIRONMENTAL SPECIALIST.
3. PART A AND PART B MAY BE SHIFTED UP AND DOWN OR SHIFTED APART TO FORM TWO SEPARATE BEDS FOR A NATURAL APPEARANCE. APPROVAL OF THE ENGINEER AND ENVIRONMENTAL SPECIALIST IS REQUIRED.
4. WATER ALL PLANT MATERIAL AT TIME OF PLANTING. EACH TREE UNDER 4' HEIGHT AND EACH SHRUB SHALL RECEIVE A MINIMUM OF 5 GALLONS OF WATER TWICE A WEEK.
5. 50' EMBANKMENT PLANTING LAYOUTS ARE REPEATED 13 TIMES FOR A TOTAL OF 650' THROUGHOUT THE PROJECT.
6. SEE SPECIAL PROVISIONS FOR 651.18 FERTILIZER (MOD), THE APPLICATION OF MYCORRHIZAL FUNGI PER MANUFACTURER'S RECOMMENDATIONS AND 651.35 TOPSOIL (MOD), THE APPLICATION OF COMPOST.

LOCATION OF EMBANKMENT PLANTING LAYOUTS & LENGTHS

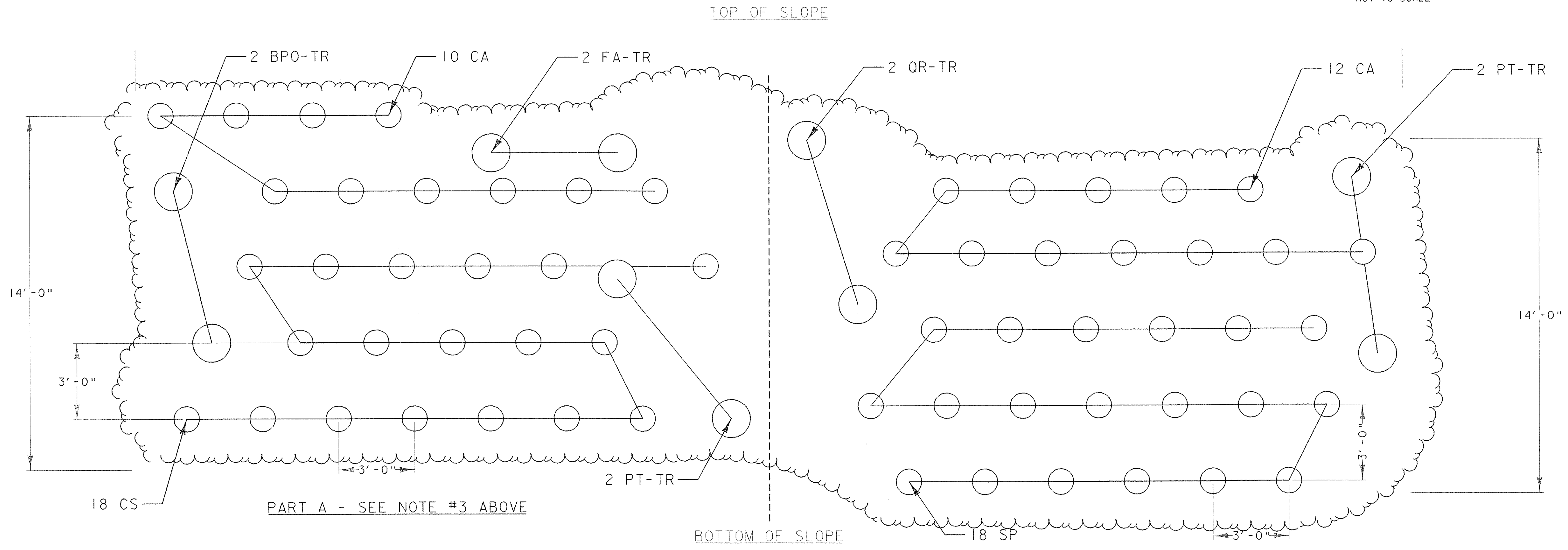
- STA 113+50 TO STA 114+50 LEFT- 100'
- STA 141+50 TO STA 142+00 LEFT- 50'
- STA 212+00 TO STA 213+00 RIGHT- 100'
- STA 227+50 TO STA 228+00 RIGHT- 50'
- STA 237+00 TO STA 238+00 RIGHT- 100'
- STA 240+25 TO STA 240+75 RIGHT- 50'
- STA 242+75 TO STA 243+75 RIGHT- 100'
- STA 285+25 TO STA 286+25 RIGHT- 100'

TYPICAL PLANT LIST FOR ONE EMBANKMENT PLANTING DETAIL

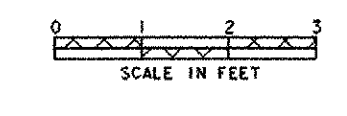
| QTY | KEY | COMMON NAME | BOTANICAL NAME |
|-----|--------|------------------|---------------------|
| 22 | CA | SILKY DOGWOOD | CORNUS AMOMUM |
| 18 | CS | RED STEM DOGWOOD | CORNUS SERICEA |
| 18 | SP | STREAM WILLOW | SALIX PURPUREA |
| 2 | FA-TR | WHITE ASH | FRAXINUS AMERICANA |
| 2 | QR-TR | RED OAK | QUERCUS RUBRA |
| 4 | PT-TR | QUAKING ASPEN | POPULUS TREMULOIDES |
| 2 | BPO-TR | GRAY BIRCH | BETULA POPULIFOLIA |



EMBankment Planting Cross Section
NOT TO SCALE



EMBankment Planting Detail



| | |
|--|------------------------|
| SHEET NAME: VT. ROUTE 9 LANDSCAPE DETAIL SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) | |
| PROJECT LEADER: JANE BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: JANE BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/landdet | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landdet03.i | SHEET 24 OF 30 |

NOTES:

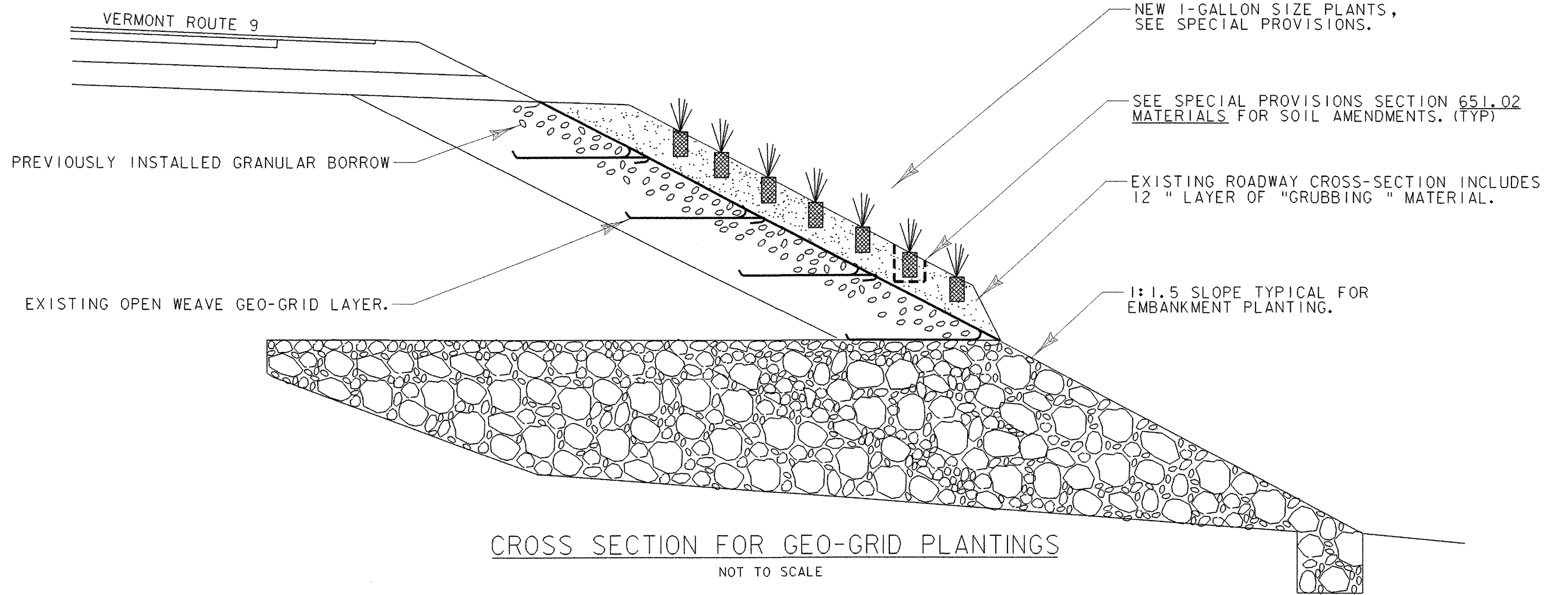
1. LOCATIONS ARE APPROXIMATE. FINAL LOCATION AND ELEVATIONS TO BE DETERMINED BY THE ENGINEER AND BASED ON ESTIMATED HIGH WATER FLOOD LEVELS.
2. SHRUBS TO BE PLANTED VERTICAL TO SLOPE, SEE SPECIAL PROVISIONS.
3. SLOPE GRADIENT VARIES BETWEEN 1:1.5 AND 1:2.
4. TOP TO BOTTOM WIDTH OF "GRUBBING" MATERIAL MAY VARY WITH SLOPE OF BANK.
5. WATER ALL SMALL SHRUBS AT TIME OF PLANTING. EACH SHRUB SHALL RECEIVE A MINIMUM OF 5 GALLONS OF WATER TWICE A WEEK.
6. PLANTING BED LAYOUT MAY VARY WITHIN THE 50' BY 14' OVERALL FOOTPRINT BASED ON ACTUAL CONDITIONS AND APPROVAL OF THE ENGINEER, VAOT LANDSCAPE ARCHITECT, OR ENVIRONMENTAL SPECIALIST.
7. BED SHAPES ARE TO BE STAKED AND LAID OUT TO GIVE A NATURAL APPEARANCE.
8. 50' LAYOUT FOR PLANTING IN GRUBBINGS OVER GEO-GRID FABRIC IS REPEATED 6 TIMES FOR A TOTAL OF 300' THROUGHOUT THE PROJECT.
9. SEE SPECIAL PROVISIONS FOR 651.18 FERTILIZER (MOD), THE APPLICATION OF MYCORRHIZAL FUNGIPER MANUFACTURER'S RECOMMENDATIONS AND 651.35 TOPSOIL (MOD), THE APPLICATION OF COMPOST.

NOTES FOR GEO-GRID PLAN VIEW DETAIL:

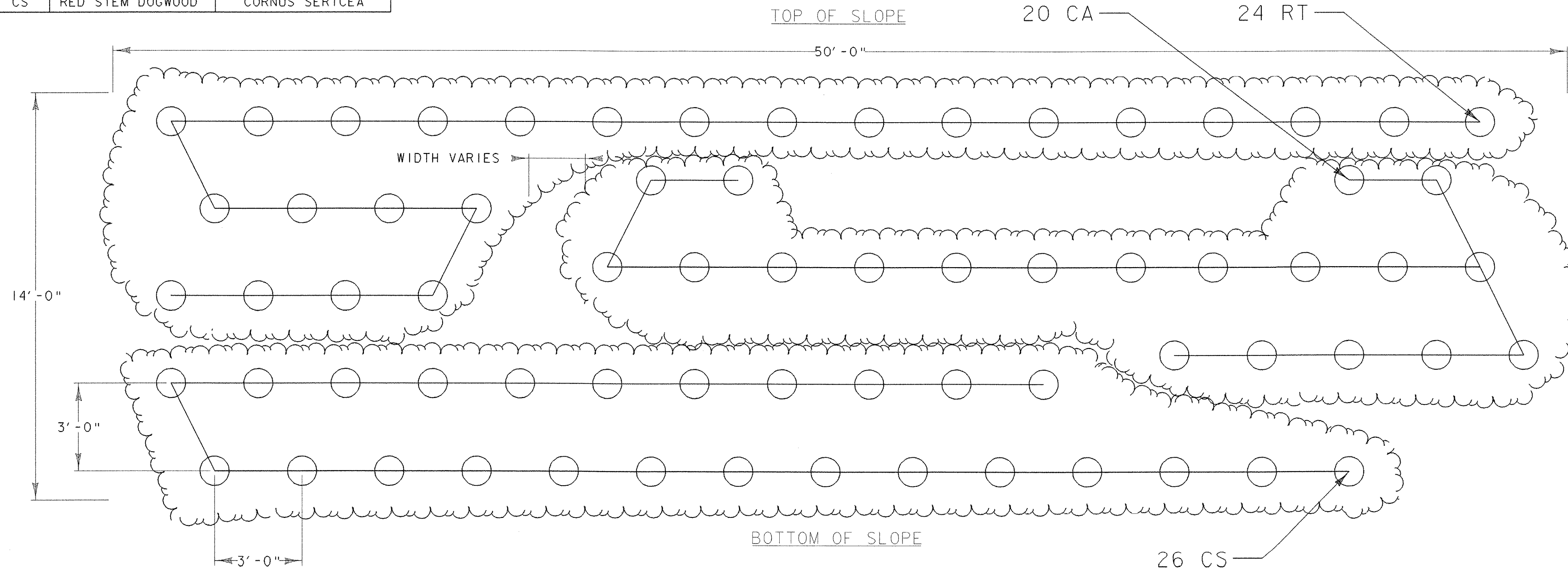
LOCATIONS OF GEO-TECH DETAIL FOR SMALL SHRUBS-
 STA 248+00 TO 249+00 RT - TO BE REPEATED 2 TIMES IN 100'.
 STA 268+00 TO 269+00 RT - TO BE REPEATED 2 TIMES IN 100'.
 STA 272+50 TO 273+50 RT - TO BE REPEATED 2 TIMES IN 100'.

TYPICAL PLANT LIST FOR ONE GEO-GRID PLANTING DETAIL

| QTY | KEY | COMMON NAME | BOTANICAL NAME |
|-----|-----|------------------|----------------|
| 20 | CA | SILKY DOGWOOD | CORNUS AMOMUM |
| 24 | RT | STAGHORN SUMAC | RHUS TYPHINA |
| 26 | CS | RED STEM DOGWOOD | CORNUS SERICEA |



CROSS SECTION FOR GEO-GRID PLANTINGS
 NOT TO SCALE

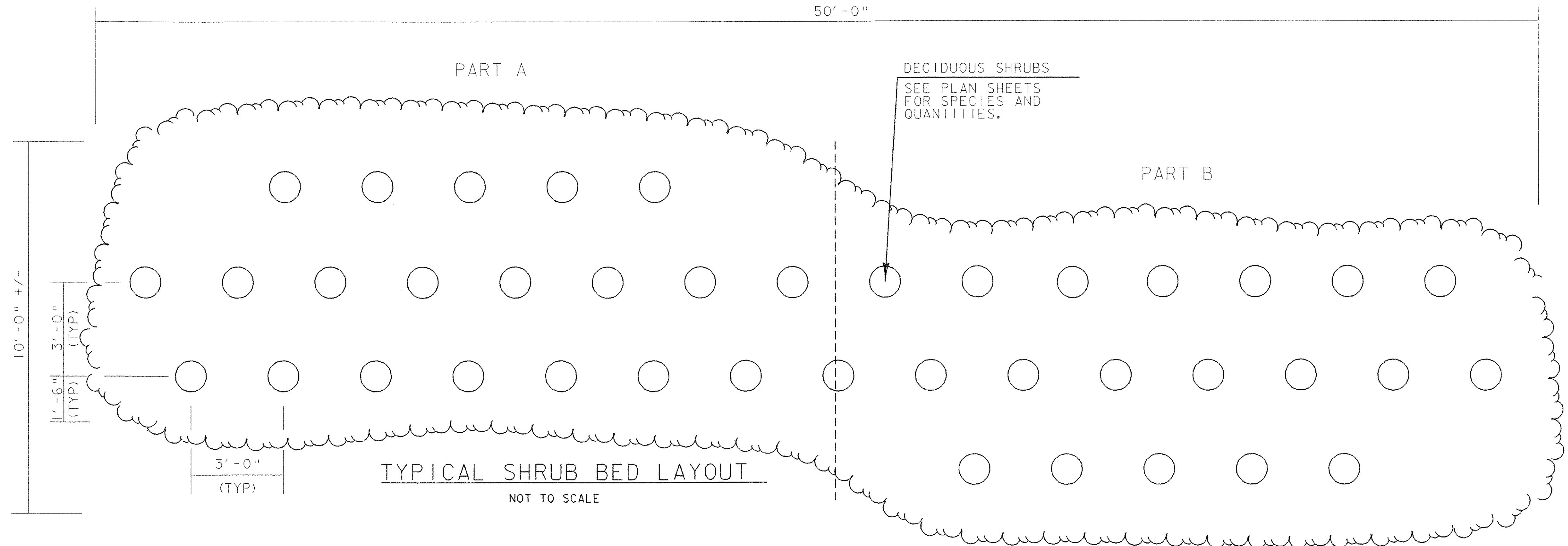


GEO-GRID PLANTING DETAIL

| | |
|--|------------------------|
| SHEET NAME: VT. ROUTE 9 LANDSCAPE DETAIL SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) | |
| PROJECT LEADER: JANE BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: JANE BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/landdet | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landdet04.i | SHEET 25 OF 30 |

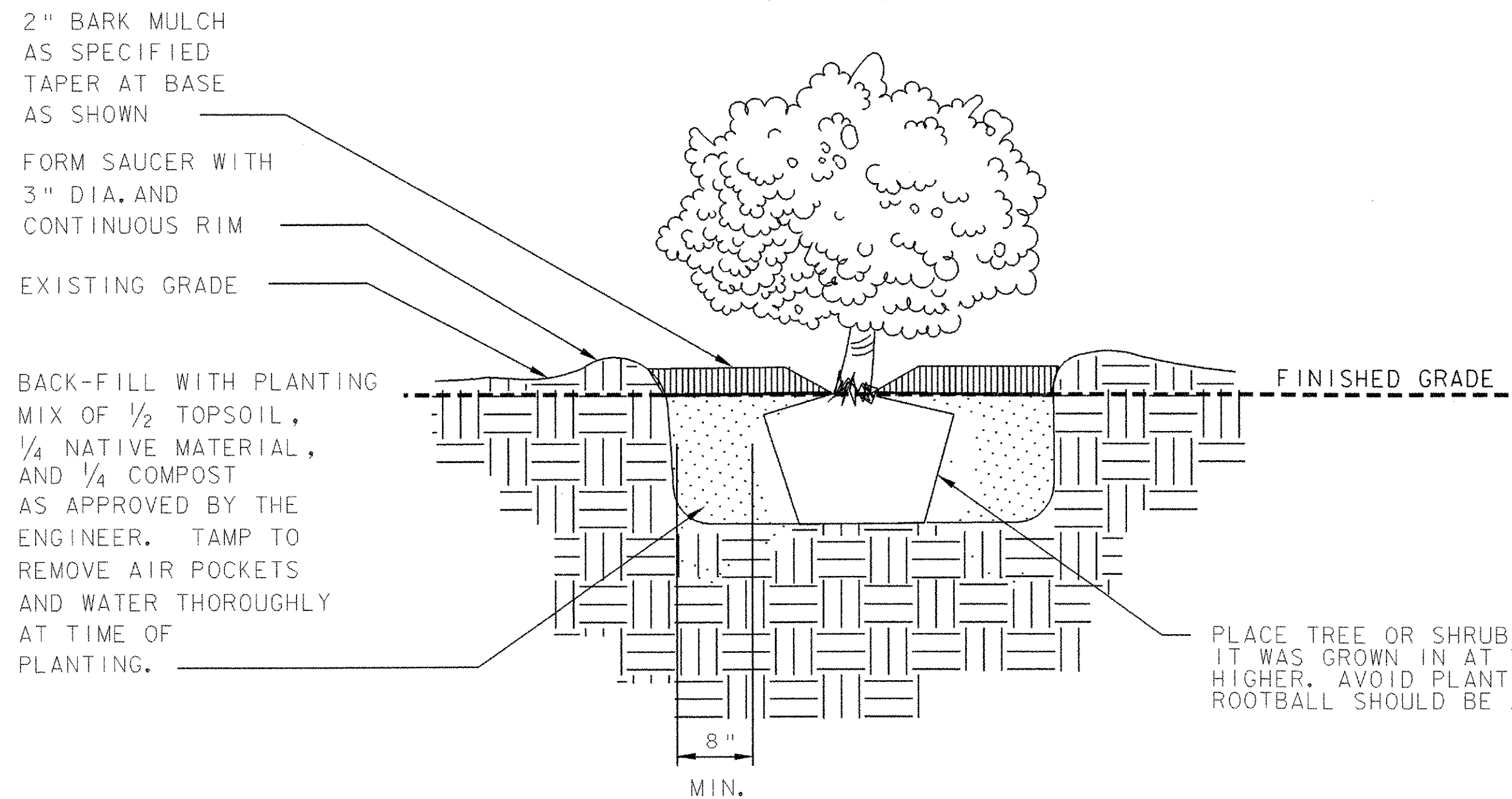
NOTES:

1. LOCATIONS AND BED SHAPES ARE APPROXIMATE AND MAY VARY DUE TO SLOPE. FINAL LOCATION AND ELEVATIONS TO BE DETERMINED BY THE ENGINEER BASED ON ESTIMATED HIGH WATER FLOOD LEVELS AND ACTUAL SLOPE CONDITIONS.
2. SEE PLAN SHEETS FOR ACTUAL SHRUB QUANTITIES.
3. BED SHAPES ARE TO BE STAKED AND LAID OUT TO GIVE A NATURAL APPEARANCE.
4. TYPICAL BED LAYOUT SHOWN IS FOR FLAT AND STEEP SLOPES OF PROJECT WHERE THERE IS NO STONE FILL.
5. THIS TYPICAL LAYOUT IS TO BE USED FOR GROUPINGS OF 1 GALLON TREE SEEDLINGS AS WELL AS SHRUBS.
6. WATER ALL SHRUBS AT TIME OF PLANTING. EACH SHRUB SHALL RECEIVE A MINIMUM OF 5 GALLONS OF WATER TWICE A WEEK.
7. SEE SPECIAL PROVISIONS FOR 651.18 FERTILIZER (MOD), THE APPLICATION OF MYCORRHIZAL FUNGI PER MANUFACTURER'S RECOMMENDATIONS AND 651.35 TOPSOIL (MOD), THE APPLICATION OF COMPOST.



SHRUB PLANTING DETAIL

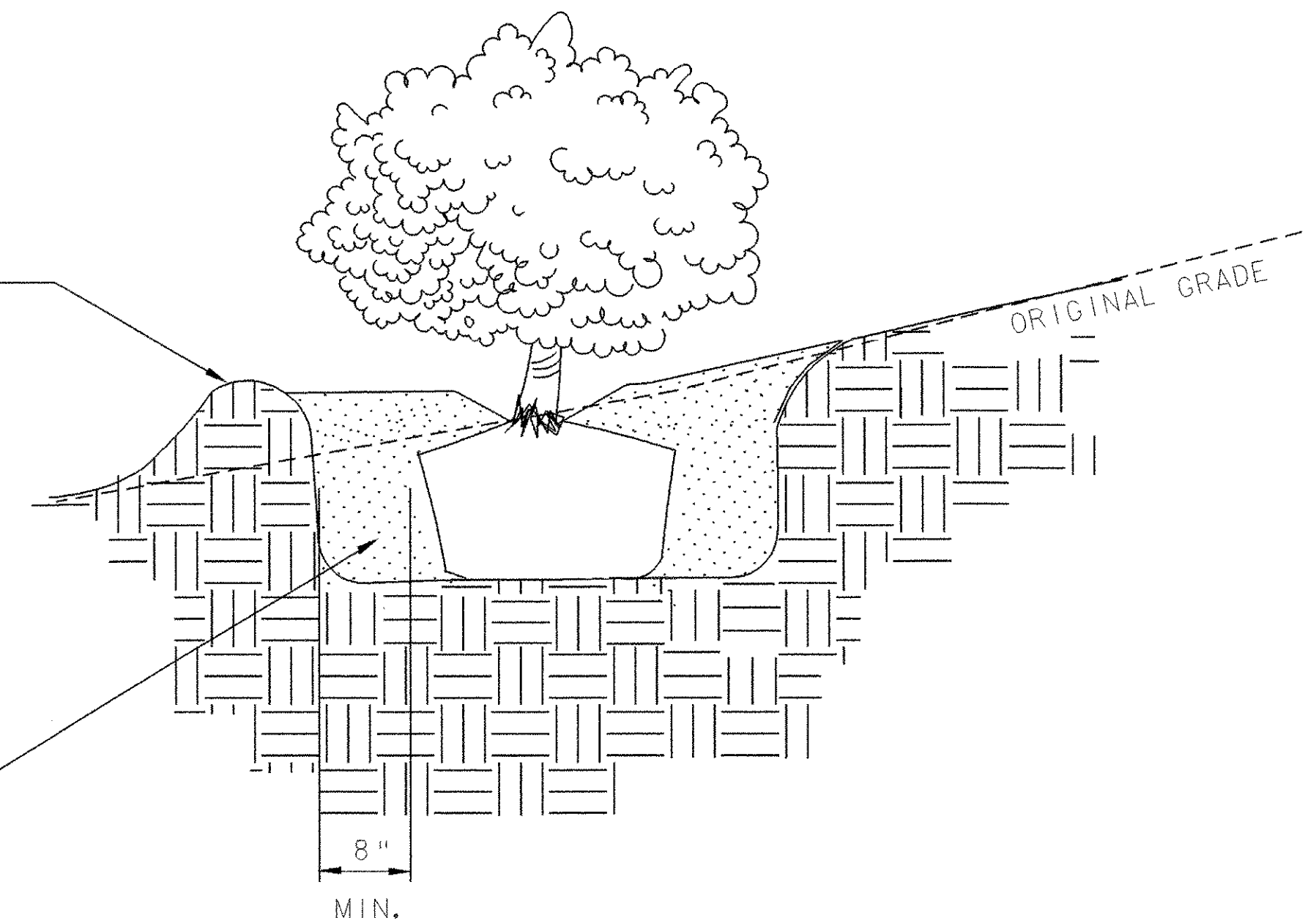
NOT TO SCALE



NOTE:
SPECIFIC SHRUBS SHALL BE MULCHED ONLY
AS REQUIRED, AT DISCRETION OF ENGINEER.

MAINTAIN MIN. 4" DIA.
AND CONTINUOUS RIM
ON LOWER SIDES OF
PLANTING TO RETAIN
WATER

BACK FILL WITH PLANTING
MIX OF 1/2 TOPSOIL,
1/4 NATIVE MATERIAL,
AND 1/4 COMPOST
AS APPROVED BY THE
ENGINEER. TAMP TO
REMOVE AIR POCKETS
AND WATER THOROUGHLY
AT TIME OF
PLANTING.



SHRUB PLANTING ON SLOPES DETAIL

NOT TO SCALE

| | |
|--|------------------------|
| SHEET NAME: VT. ROUTE 9 LANDSCAPE DETAIL SHEET | |
| PROJECT NAME: SEARSBURG-WILMINGTON | |
| PROJECT NUMBER: NHF 010-1(18) | |
| PROJECT LEADER: JANE BROWN | DRAWN BY: SQUAD B |
| DESIGNED BY: JANE BROWN | CHECKED BY: SOAUD B |
| FILE NAME: 78d096/design/landde+ | PLOT DATE: 21-JAN-2004 |
| IPARM FILE NAME: landde+05.i | SHEET 26 OF 30 |

PLANT LIST

| QUANTITY | UNIT | KEY | BOTANICAL NAME | COMMON NAME | SIZE | SPACING | REMARKS | ITEM # |
|----------|------|--------|--------------------------------|--------------------------|------------------------|---------|--------------------|--------|
| | | | EVERGREEN TREES | | | | | |
| 11 | EA | PST | PINUS STROBUS | WHITE PINE | 5-6' HT | 12' OC | CONTAINER/ B&B | 656.20 |
| | | | EVERGREEN SEEDLING | | | | | |
| 10 | EA | PST-TR | PINUS STROBUS | WHITE PINE | 1-2' MINIMUM HT | 6' OC | 1 GALLON CONTAINER | 656.15 |
| | | | DECIDUOUS TREES | | | | | |
| 36 | EA | AA | AMELANCHIER ARBOREA | DOWNY SERVICEBERRY | 5-6' MINIMUM HT | 15' OC | CONTAINER/ B&B | 656.30 |
| 2 | EA | AR | ACER RUBRUM | RED MAPLE | 1.5-2.0" CAL | 35' OC | CONTAINER/ B&B | 656.30 |
| 6 | EA | AS | ACER SACCHARUM | SUGAR MAPLE | 1.5-2.0" CAL | 35' OC | CONTAINER/ B&B | 656.30 |
| 13 | EA | BP | BETULA PAPYRIFERA | PAPER BIRCH (CLUMP OF 3) | 8-10' MINIMUM HT | 35' OC | CONTAINER/ B&B | 656.30 |
| 5 | EA | FA | FRAXINUS AMERICANA | WHITE ASH | 1.5-2.0" CAL | 35' OC | CONTAINER/ B&B | 656.30 |
| 22 | EA | FP | FRAXINUS PENNSYLVANICA | GREEN ASH | 1.5-2.0" CAL | 35' OC | CONTAINER/ B&B | 656.30 |
| 40 | EA | QR | QUERCUS RUBRA | NORTHERN RED OAK | 1.5-2.0" CAL | 35' OC | CONTAINER/ B&B | 656.30 |
| 222 | EA | BP0-TR | BETULA POPULIFOLIA | GRAY BIRCH | 3-4' MINIMUM HT | 6' OC | 1 GALLON CONTAINER | 656.30 |
| 134 | EA | FA-TR | FRAXINUS AMERICANA | WHITE ASH | 3-4' MINIMUM HT | 6' OC | 1 GALLON CONTAINER | 656.30 |
| 134 | EA | QR-TR | QUERCUS RUBRA | NORTHERN RED OAK | 3-4' MINIMUM HT | 6' OC | 1 GALLON CONTAINER | 656.30 |
| 127 | EA | PT-TR | POPULUS TREMULOIDES | QUAKING ASPEN | 3-4' MINIMUM HT | 6' OC | 1 GALLON CONTAINER | 656.30 |
| | | | DECIDUOUS SHRUBS | | | | | |
| 540 | EA | CS | CORNUS SERICEA | RED OSIER DOGWOOD | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 45 | EA | RA | RHUS AROMATICA 'GRO-LOW' | 'GRO-LOW' SUMAC | 18"-24" MINIMUM SPREAD | 3' OC | CONTAINER | 656.35 |
| 15 | EA | RR | ROSA RUGOSA | RUGOSA ROSE | 24"-30" MINIMUM HT | 3' OC | CONTAINER | 656.35 |
| 894 | EA | RT | RHUS TYPHINA | STAGHORN SUMAC | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 119 | EA | VL | VIBURNUM LENTAGO | NANNYBERRY | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 290 | EA | AI | ALNUS INCANA | GRAY ALDER | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 304 | EA | SP | SALIX PURPUREA | STREAMCO WILLOW | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 82 | EA | SD | SALIX DISCOLOR | PUSSY WILLOW | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 84 | EA | CR | CORNUS RACEMOSA | GRAY DOGWOOD | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 478 | EA | CA | CORNUS AMOMUM | SILKY DOGWOOD | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| 84 | EA | AM | ARONIA MELANOCARPA | BLACK CHOKEBERRY | 15" MINIMUM HT | 3' OC | 1 GALLON CONTAINER | 656.35 |
| | | | GROUNDCOVER & VINES | | | | | |
| 200 | EA | HF | HEMEROCALLIS 'FULVA' | DAYLILY | 2 FAN (HEAVY) | 2' OC | 1 GALLON CONTAINER | 656.40 |

| | |
|------------------------------------|------------------------|
| SHEET NAME: | PLANT LIST |
| PROJECT NAME: | SEARSBURG - WILMINGTON |
| PROJECT NUMBER: | NHF 010 - I(18) C-1 |
| FILE NAME: 78d096/design/landq.dgn | PLOT DATE: 29-JAN-2004 |
| PROJECT LEADER: G. DUBRAY | DRAWN BY: SQUAD B |
| DESIGNED BY: J. Brown | CHECKED BY: J. Brown |
| IPARM FILE NAME: landplantlist.i | SHEET 27 OF 30 |

