

KEY MAP OF WASHINGTON SHOWING LOCATION OF PROJECT



UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE - REGION SIX

COLVILLE NATIONAL FOREST

THREE RIVERS RANGER DISTRICT

DRAWINGS FOR PROPOSED
GRIZZ STEWARDSHIP



INDEX TO SHEETS

| NO. | DESCRIPTION |
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| 5 | CULVERT DETAIL |
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| 10-11 | WORK LISTS |
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| ROAD NUMBER | LENGTH | RECONST CONST | SHEET NUMBER | DESIGN VEHICLE | CRITICAL VEHICLE |
|-------------|--------|---------------|--------------|----------------|------------------|
| 1500080R | 1.04 | RECONST | 10 | LOG TRUCK | LOG TRUCK |
| 1500092R | 0.25 | RECONST | 10 | LOG TRUCK | LOG TRUCK |
| 1500128R | 0.77 | RECONST | 10 | LOG TRUCK | LOG TRUCK |
| 1500132R | 0.83 | RECONST | 10 | LOG TRUCK | LOG TRUCK |
| 1520080R | 2.74 | RECONST | 10 | LOG TRUCK | LOG TRUCK |
| 1520090R | 0.44 | RECONST | 11 | LOG TRUCK | LOG TRUCK |
| 1520095R | 0.45 | RECONST | 11 | LOG TRUCK | LOG TRUCK |
| 1520110R | 0.19 | RECONST | 11 | LOG TRUCK | LOG TRUCK |
| 1520115R | 0.09 | RECONST | 11 | LOG TRUCK | LOG TRUCK |
| 1520150R | 0.27 | RECONST | 11 | LOG TRUCK | LOG TRUCK |

TOTAL RECONSTRUCTION 7.07 MILES

PROJECT COORDINATOR:
John S Kennedy 3/20/15
 NAME DATE

PEER REVIEWER:
Mark L Zeman 3/20/15
 NAME DATE

TRANSPORTATION MANAGER:
Erin Paul Decker 3/20/15
 NAME DATE

RECOMMENDED BY:
Don P. White 4/6/15
 NAME FOREST ENGINEER DATE

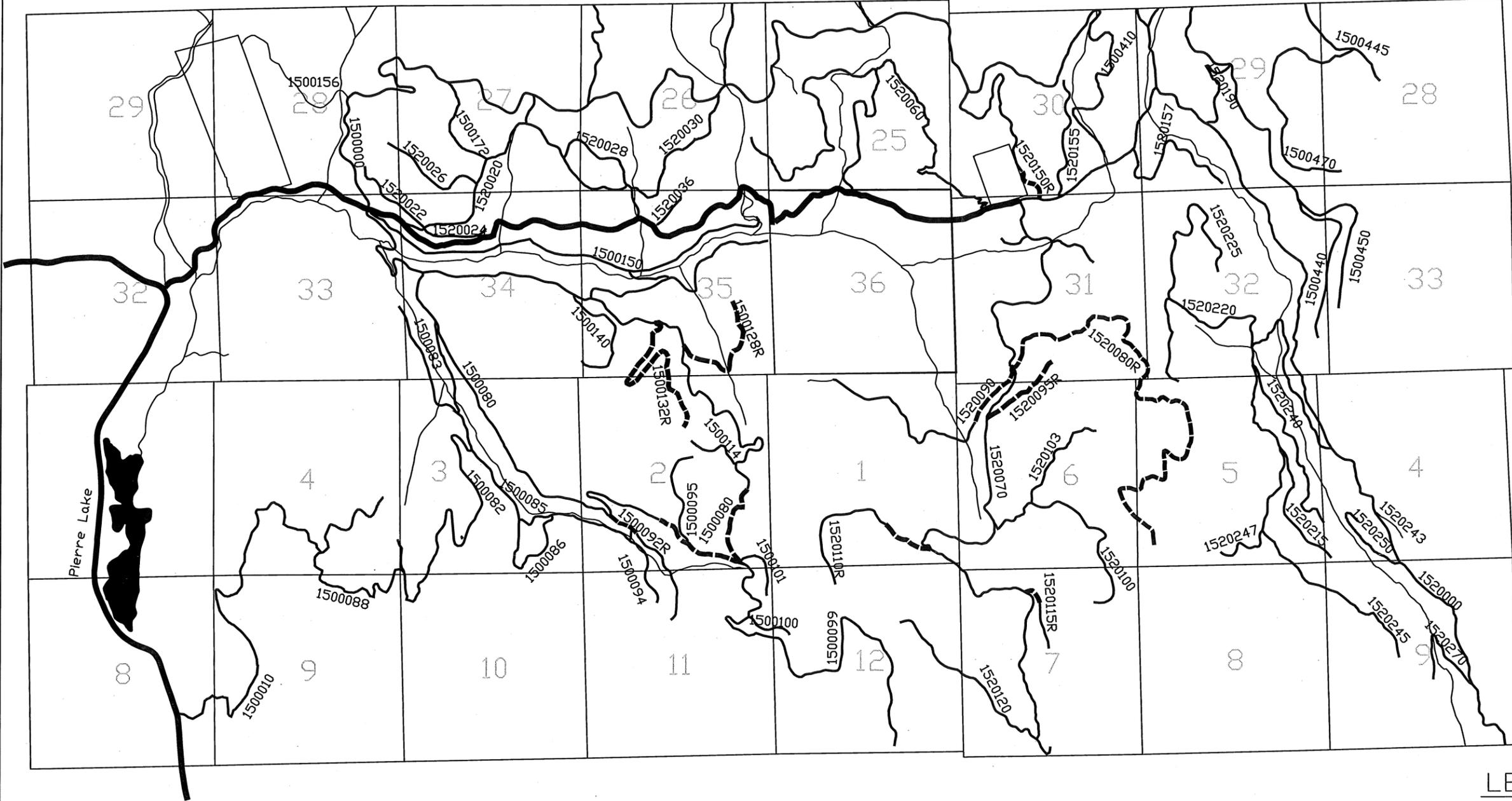
APPROVED BY:
Randy D. Goodson 04/15/15
 NAME DISTRICT RANGER DATE

GRIZZ VICINITY MAP

SUMIT LAKE 1mile

R37E R38E

ELBOW LAKE 2miles



T40N
T39N

WATER SOURCE

SUMIT LAKE
ELBOW LAKE

LEGEND

- EXIST. ROADS
- - - - - RECONSTRUCTION
- COUNTY ROADS
- CREEK

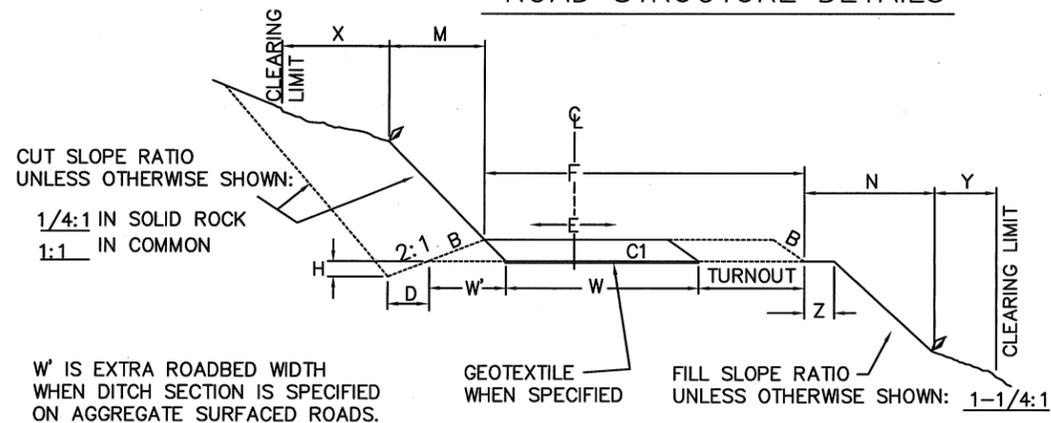
ESTIMATE OF QUANTITIES

| Item Number | Description | Unit | 1500080R 1.04mi | 1500092R .25mi | 1500128R .77mi | 1500132R 0.83mi | 1520080R 2.74mi | 1520090R .44mi | 1520095R .45mi | 1520110R .19mi | 1520115R .09mi | 1520150R .27mi | Sheet Total | Remarks |
|-------------|--|------|--------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|---------|
| 15101 | Mobilization | ls | All | All | All | All | All | All | All | All | All | All | All | |
| 15219 | Establishing clearing limits | mile | 1.04 | 0.25 | 0.77 | 0.83 | 2.74 | 0.44 | 0.45 | 0.19 | 0.09 | 0.27 | 7.07 | |
| 20103 | Clearing and grubbing, disposal of tops and limbs f,l, logs f, and stumps f. | mile | 1.04 | 0.25 | 0.77 | 0.83 | 2.74 | 0.44 | 0.45 | 0.17 | 0.09 | 0.27 | 7.05 | |
| 20402 | Roadway excavation, compaction method C finish method C. | mile | 1.04 | | | | | | | | | 0.27 | 1.31 | |
| 20419 | Drainage excavation - drainage ditch | ft | | | 159 | | | | | | | | 159 | |
| 20420A | Drainage excavation, type Drain Dip | each | | | 1 | 1 | 3 | | 1 | 1 | | | 7 | |
| 20420B | Drainage excavation, Outslope Drain | each | 1 | | 4 | 4 | 12 | 1 | 2 | 2 | 1 | | 27 | |
| 20429 | End Haul | ls | | | 1 | | | | | | | | 1.00 | |
| 30318 | Roadbed Reconditioning, Scarify, Blade & Shape | mile | | 0.25 | 0.69 | 0.83 | 2.74 | 0.44 | 0.45 | 0.19 | 0.09 | | 5.68 | |
| 32232 | Haul and place stockpiled aggregate, compaction method H | cy | | | 127 | 40 | 178 | 8 | 24 | 24 | 8 | | 409 | |
| 60201A | 18 inch pipe culvert | ft | | | 22 | | | | | | | | 22 | |
| 60201C | 36 inch pipe culvert | ft | | | 36 | | | | | | | | 36 | |
| 62501 | Seeding dry method | acre | 1.76 | 0.42 | 1.30 | 1.40 | 4.65 | 0.74 | 0.76 | 0.31 | 0.15 | 0.47 | 11.96 | |

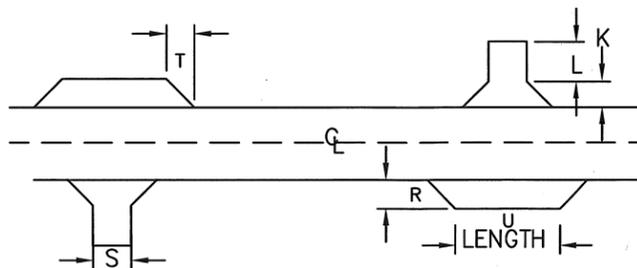
TYPICAL ROADWAY SECTION

(NOT TO SCALE)

ROAD STRUCTURE DETAILS



TURNAROUND & TURNOUT SYMBOLS



NOTES

- CURVE WIDENING, WHEN SPECIFIED, SHALL BE ADDED TO INSIDE OF CURVE.
- TAPER LENGTH ON CURVE WIDENING IS LOCATED IN THE CURVE DATA BOX ON THE PLAN SHEETS.
- SEEDING AND/OR MULCHING AREA INCLUDES SECTIONS SHOWN ON TYPICALS AND ALL OTHER AREAS DISTURBED BY CONTRACTOR.
- TURNOUTS AND CURVE WIDENING SHALL BE SURFACED TO SAME DEPTH AS THE TRAVELED WAY AND TO THE DIMENSIONS SPECIFIED IN THE PLANS.
- CONSTRUCTION STAKES SHALL BE 0.3 in. THICK X 1.5 in. WIDE X 24 in. LONG, +/- 0.1in. THICKNESS AND THE TOP 2in. TO BE PAINTED RED. CLEARING FLAGGING SHALL BE GLO PINK. STAKES SHALL BE SET ON UPHILL SIDE OF CENTERLINE.
- SLOUGH WIDENING "Z" SHALL BE 1ft. WHERE FILLS ARE 5ft. OR LESS AND 2ft. WHERE FILLS ARE GREATER THAN 5ft.
- ALL DITCHES SHALL BE SLOPED TO DRAIN.
- SEEDING IS NOT REQUIRED WHERE SLOPE RATIOS ARE 1/2:1 OR STEEPER.
- ROADWAY FINISHING FOR ALL ROADS IS METHOD C PER FSSS 204.13
- IN AREAS WHERE DD OR OSD FALL WITHIN A DESIGNATED AGGREGATE SPREAD, PLACE AGGREGATE AS SHOWN IN DRAINAGE DETAIL.

| ROAD NUMBER | ROAD SEGMENT | STATION or M.P. to | STATION or M.P. | GRADING | | | | | | | | | | | 2/ AGGREGATE | | | REVEGETATION | | | | CLEARING | | | | | | | |
|-------------|--------------|--------------------|-----------------|------------------------|------------------------------------|---------------|------------------|----|-------------|-----|-----|----------|-----|-----|------------------------|-----------|-----------------|--------------|------------------------------|----|----|----------|------------------------|---------------------------------------|----|--------------------------------|----|----|----|
| | | | | CONSTRUCTION TOLERANCE | OUTSLOPE (O) INSLOPE (I) CROWN (C) | ROADBED WIDTH | DITCH DIMENSIONS | | TURN AROUND | | | TURNOUTS | | | MIN TRAVELED WAY WIDTH | GRADATION | COMPACTED DEPTH | SLOPE RATIO | SEEDING and/or MULCHING AREA | | | | MINIMUM CLEARING WIDTH | FEET BEYOND TOP OF CUT TO TOE OF FILL | | MINIMUM ROADWAY BRUSHING WIDTH | | | |
| | | | | | | | 4 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | | | | | 2 | 1 | 2 | 1 | | 2 | 1 | | 2 | 1 | 2 |
| | | | | | | | FT | FT | FT | FT | FT | FT | FT | FT | | | | | FT | FT | FT | FT | | FT | FT | | FT | FT | FT |
| 1500080 | | 0+00 | 54+91 | K | 1/ | 12' | 2' | 1' | 15' | 15' | 14' | 8' | 50' | 25' | | 5/ | 2:1 | X | X | X | X | | 26' | | | | | | |
| 1500092 | | 0+00 | 13+20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500128 | | 0+00 | 40+70 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500132 | | 0+00 | 44+00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1520080 | | 0+00 | 144+82 | | | 14' | | | | | | | | | | | | | | | | | | | | | | | |
| 1520090 | | 0+00 | 23+00 | | | 12' | | | | | | | | | | | | | | | | | | | | | | | |
| 1520095 | | 0+00 | 23+80 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1520110 | | 0+00 | 9+80 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1520115 | | 0+00 | 4+57 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1520150 | | 0+00 | 14+55 | | | | | | | | | | | | | | | | | | | | | | | | | | |

FOOTNOTES

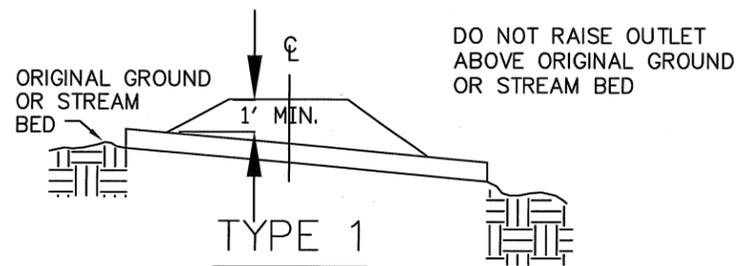
- OUTSLOPE ALL ROADS EXCEPT INSLOPE IN DITCHED AREAS AND CULVERT CATCH BASINS UNLESS OTHERWISE SHOWN ON PLANS.
- AT LOCATIONS SHOWN ON THE DRAWINGS.
- CONSTRUCT ADDITIONAL WIDTH IN ALL AREAS WHERE PLACEMENT OF AGGREGATE IS SHOWN ON THE PLANS
- CLEARING LIMITS SHALL BE ESTABLISHED FROM STAKE NOTES OR 13 FEET FROM CENTERLINE WHICHEVER IS GREATER.
- DEPTHS AS SHOWN IN THE PLANS

ABBREVIATIONS

- DD=DRAIN DIP
- OSD=OUTSLOPE DRAIN
- TOR=TURNOUT RIGHT
- TOL=TURNOUT LEFT
- TAR=TURNAROUND RIGHT
- TAL=TURNAROUND LEFT
- CWR=CURVE WIDENING RIGHT
- CWL=CURVE WIDENING LEFT
- LOD=LEADOUT DITCH
- =GROUND
- - =GRADE

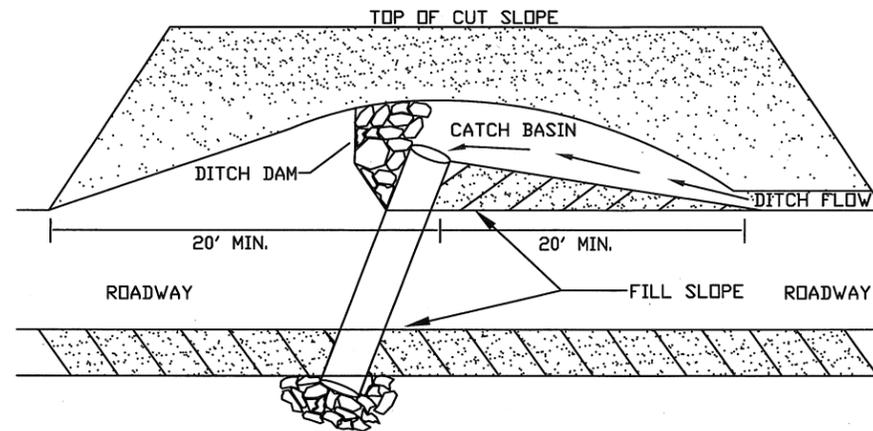
CULVERT DETAILS

CULVERT TYPES

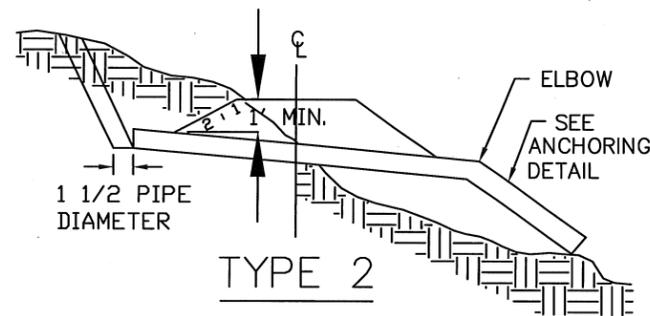
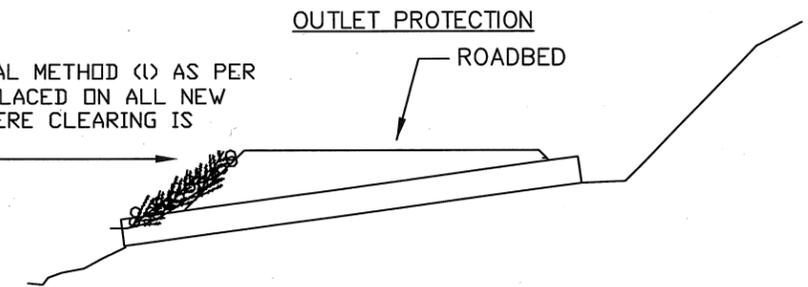


CATCH BASIN DETAIL AND INLET & OUTLET PROTECTION

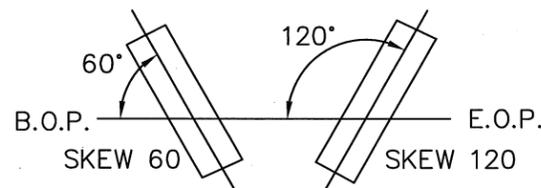
FOR ALL NEW TYPE 1, 2 & 3 CULVERT INSTALLATION



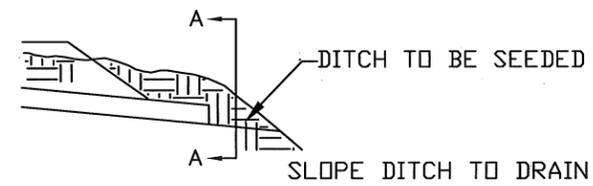
SLASH DISPOSAL METHOD (U) AS PER FSSS 203.05 PLACED ON ALL NEW CULVERTS WHERE CLEARING IS SPECIFIED.



SKEW DIAGRAM

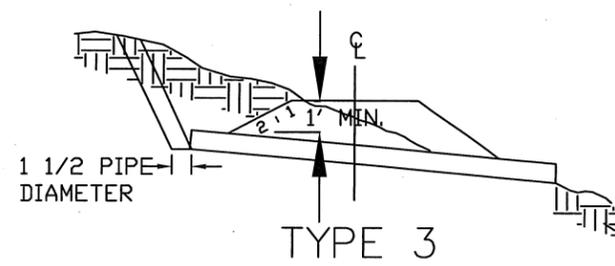
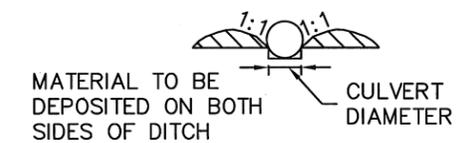


LEADOUT DITCH

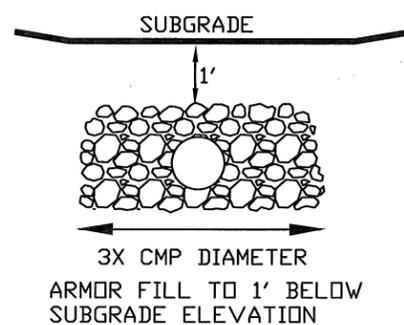


LEADOUT DITCH

SECTION A-A

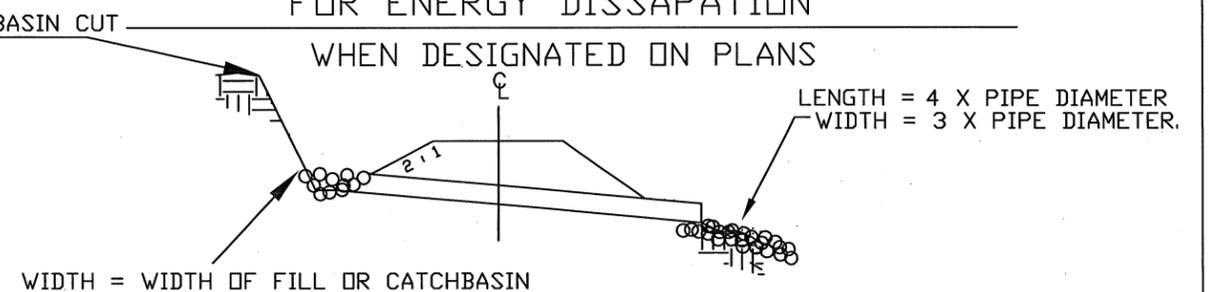


ARMORING CULVERT FILL SLOPES



RIPRAP CULVERT INLET & OUTLET FOR ENERGY DISSIPATION

WHEN DESIGNATED ON PLANS

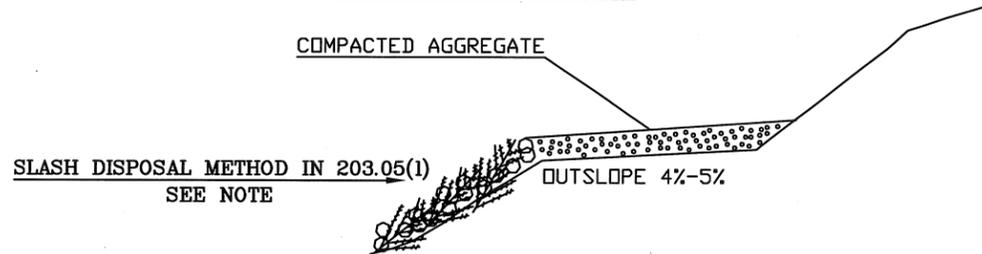


DRAINAGE DETAILS

| | |
|-------|----|
| SHEET | OF |
| 6 | 11 |

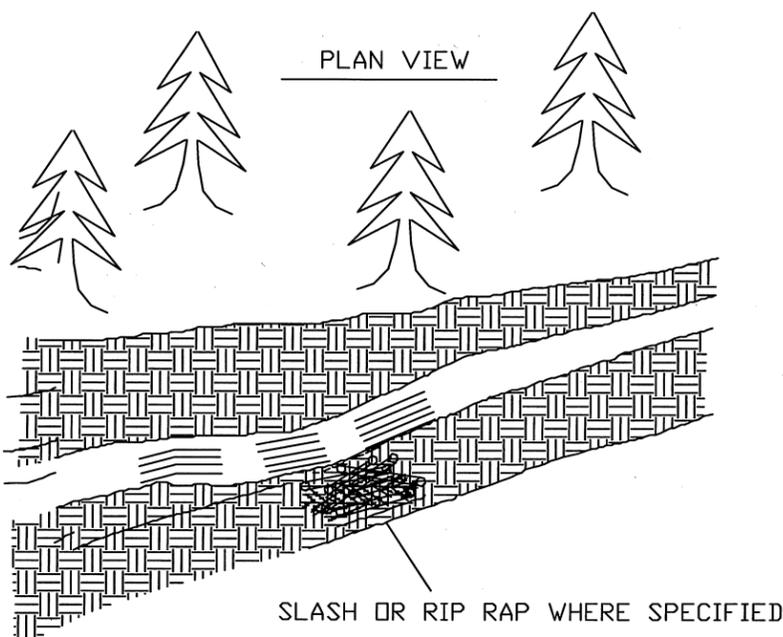
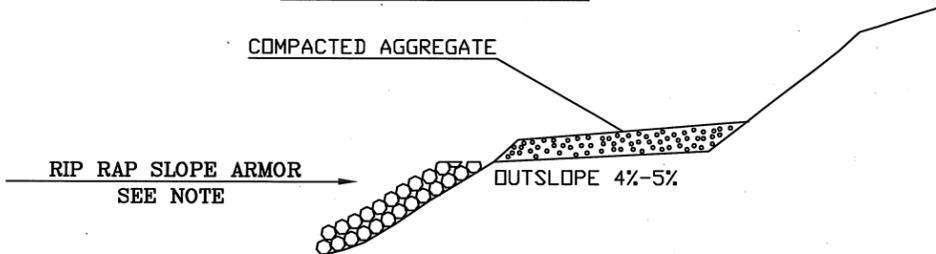
OUTSLOPE DRAIN & DRAIN DIP

SLOPE TREATMENT



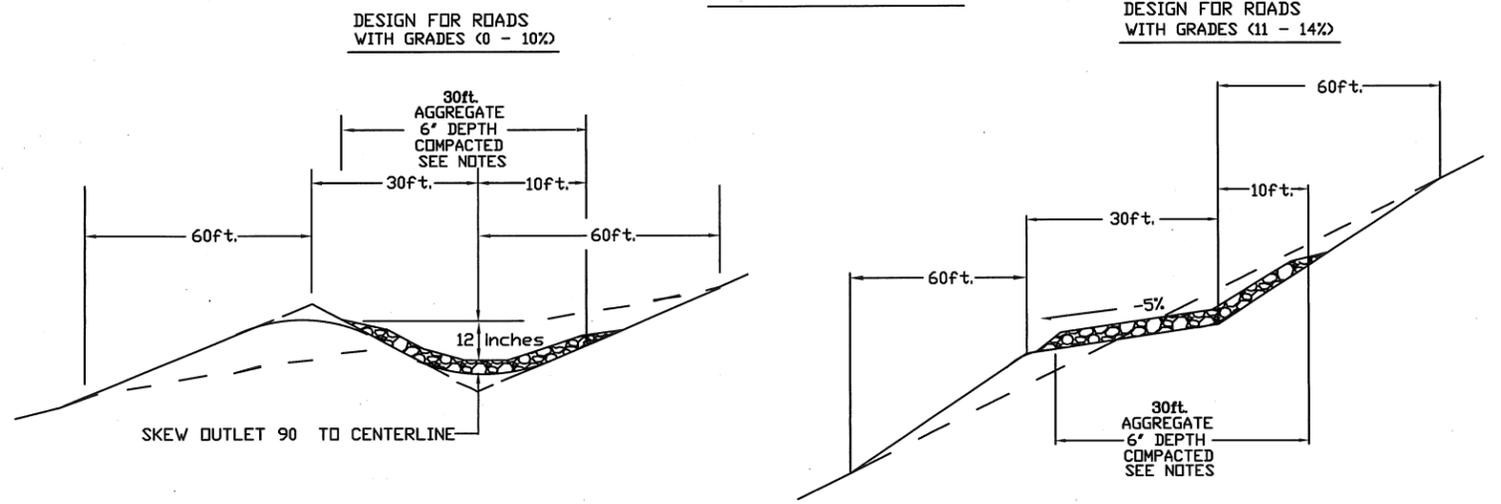
OUTSLOPE DRAIN & DRAIN DIP

SLOPE TREATMENT

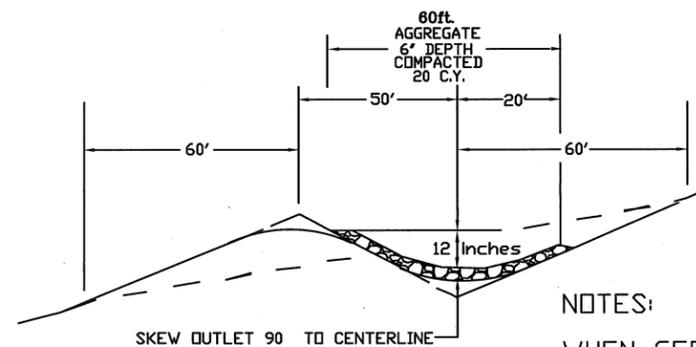


DRAIN DIP DETAILS (DD)

PROFILE VIEW



DESIGN FOR ROADS WHERE CRITICAL VEHICLE IS A LOWBOY WITH GRADES (0 - 7%)



NOTES:

WHEN GEOTEXTILE IS SPECIFIED IN DRAIN DIPS OR OUT SLOPE DRAINS, SIZE SHALL BE 15'W X 30'L

DO NOT INTERCEPT DITCH WATER WHERE DRAIN DIPS OR OUT SLOPE DRAINS ARE DESIGNATED IN DITCHED SECTIONS, UNLESS OTHERWISE SPECIFIED.

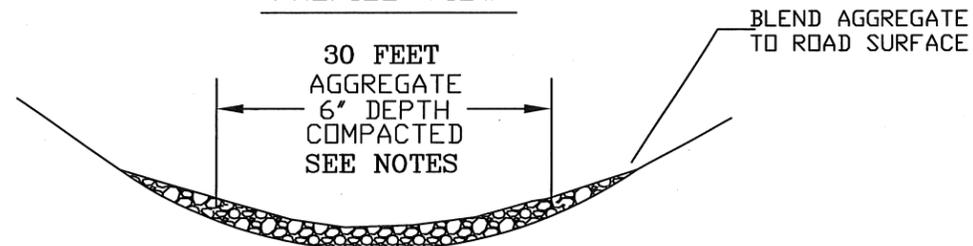
SLASH SHALL BE PLACED ON FILL SLOPES TO A DEPTH OF 1' AT THE LOWEST POINT IN DRAIN DIP OR OUTSLOPED DRAIN, AND EXTEND 5' EACH WAY. THIS APPLYS TO ALL NEW AND RESHAPED DRAINS THAT ARE WITHIN ALL CLEARING LIMIT AREAS.

PLACE RIP RAP ON FILL SLOPES OF DRAIN DIP OR OUTSLOPED DRAINS WHERE SPECIFIED, 1' DEEP, EXTENDING 4' EACHWAY OF LOWEST POINT.

12' ROADBEDS REQUIRE 8 C.Y. OF IN PLACE AGGREGATE
14' ROADBEDS REQUIRE 10 C.Y. OF IN PLACE AGGREGATE

OUTSLOPE DRAIN DETAIL (OSD)

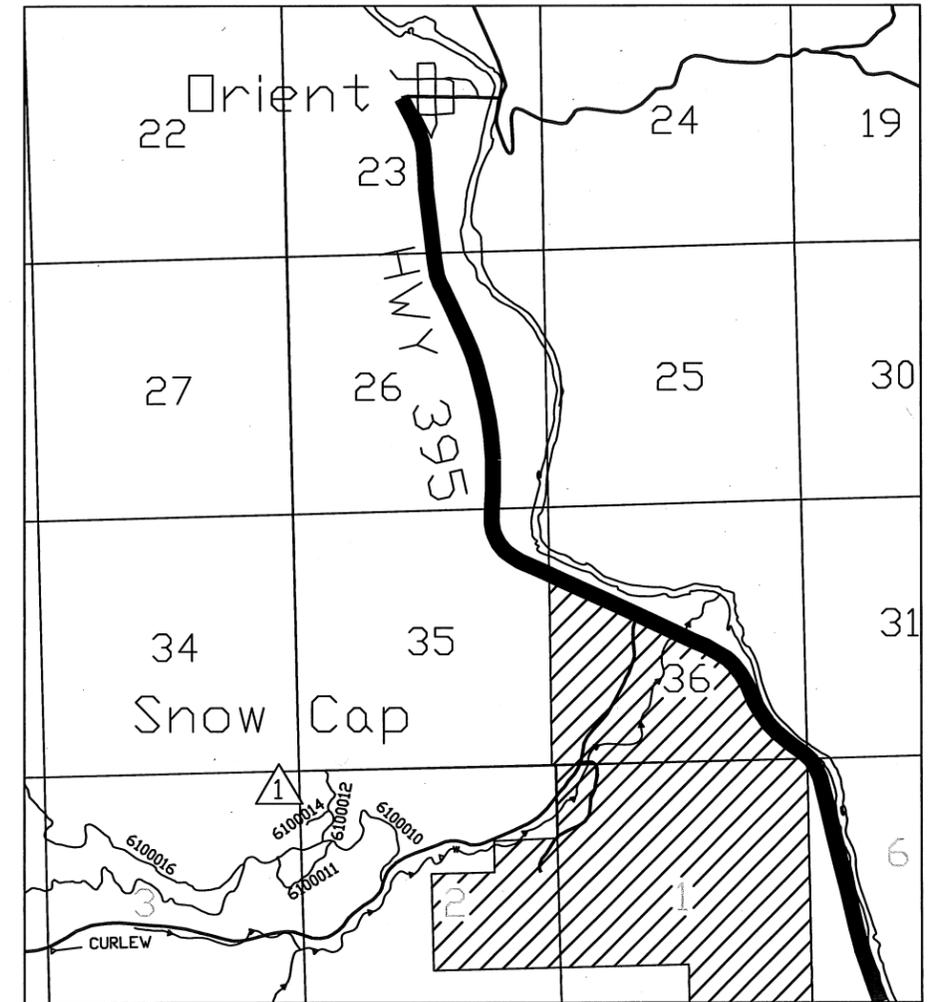
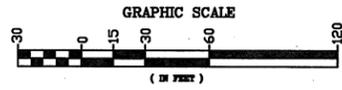
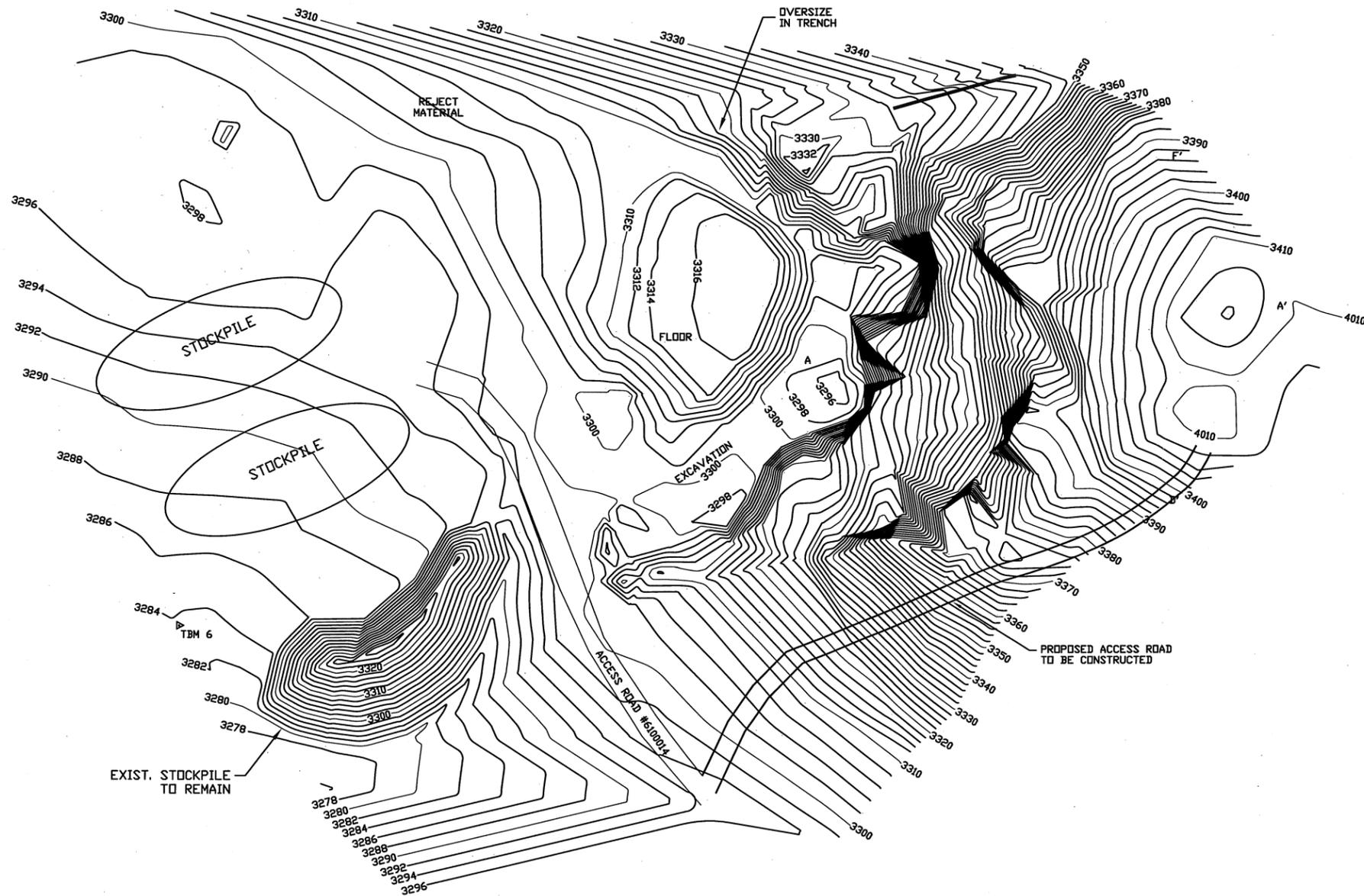
PROFILE VIEW



CULVERT LISTING

| DESIGNED | | | AS BUILT | | | CORRUGATION & THICKNESS | | INSTALLATION DETAILS | | | | GA. - GAUGE AL. - ALUMINUM FE. - STEEL TF. - TO FIT SLASH DISPOSAL METHOD (L) AS PER FSSS 203.05 SHALL BE PLACED ON ALL CULVERT INSTALLATIONS WHERE CLEARING IS SPECIFIED. REMARKS |
|----------------------|--------------------|----------------|----------|--------------------|----------------|--------------------------------|------|----------------------|-------------------|----------------|--|---|
| STATION OR MILE POST | DIAMETER IN INCHES | LENGTH IN FEET | STATION | DIAMETER IN INCHES | LENGTH IN FEET | 2 2/3" x 1/2" .064 FE (16 GA.) | TYPE | SKEW | COMPACTION METHOD | STAKING METHOD | | |
| Rd 1500128R | | | | | | | | | | | | |
| 6+80 | 18 | 22 | | | | X | 1 | TF | A | 1 | | |
| 15+60 | 36 | 36 | | | | X | 1 | TF | B | 1 | | |

SNOW CAP PIT
T.38N., R.36E., SEC 2, W.M.



OPERATION NOTES

- 1) ALL OPERATIONS SHALL BE IN ACCORDANCE WITH M.S.H.A AND OTHER APPLICABLE STATE AND FEDERAL REGULATIONS.
- 2) CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HIS ACTIVITIES WITH OTHER USERS.
- 3) EXCAVATION AREA WILL BE STAKED BY THE ENGINEER.
- 4) CUT SLOPES SHALL BE NO STEEPER THAN 1:1 W/OUT APPROVAL OF FOREST SERVICE. STOCKPILES OF OVERBURDEN AND CUT SLOPES IN COMMON MATERIALS SHALL BE SHAPED.
- 5) EXCAVATION SHALL PROCEED UNIFORMLY VERTICALLY AND HORIZONTALLY WITH NO HUMPS OR DIPS CREATED WITHIN THE EXCAVATION AREA.
- 6) SURFACE DAMAGE WHICH CAUSES SOIL MOVEMENT AND/OR WATER POLLUTION MUST IMMEDIATELY BE CORRECTED TO FOREST SERVICE SATISFACTION. ROADS IN THE OPERATION AREA SHALL BE PROTECTED FROM EROSION BY THE PLACEMENT OF WATER CONTROL DEVICES WHEN DIRECTED BY THE FOREST SERVICE.
- 7) FINAL GRADING AND CLEANUP SHALL BE COMPLETED IMMEDIATELY AFTER ROCK REMOVAL. ALL AREAS SHALL BE FREE DRAINING.
- 8) RESHAPING OF ACCESS ROAD TO BE KEPT CURRENT WITH OPERATIONS AND AT END OF OPERATIONS.

SITE MAP COMPILED FROM U.S.F.S. SURVEYS DATED NOV. 1992
CONTOURS AT 2 FT. INTERVALS

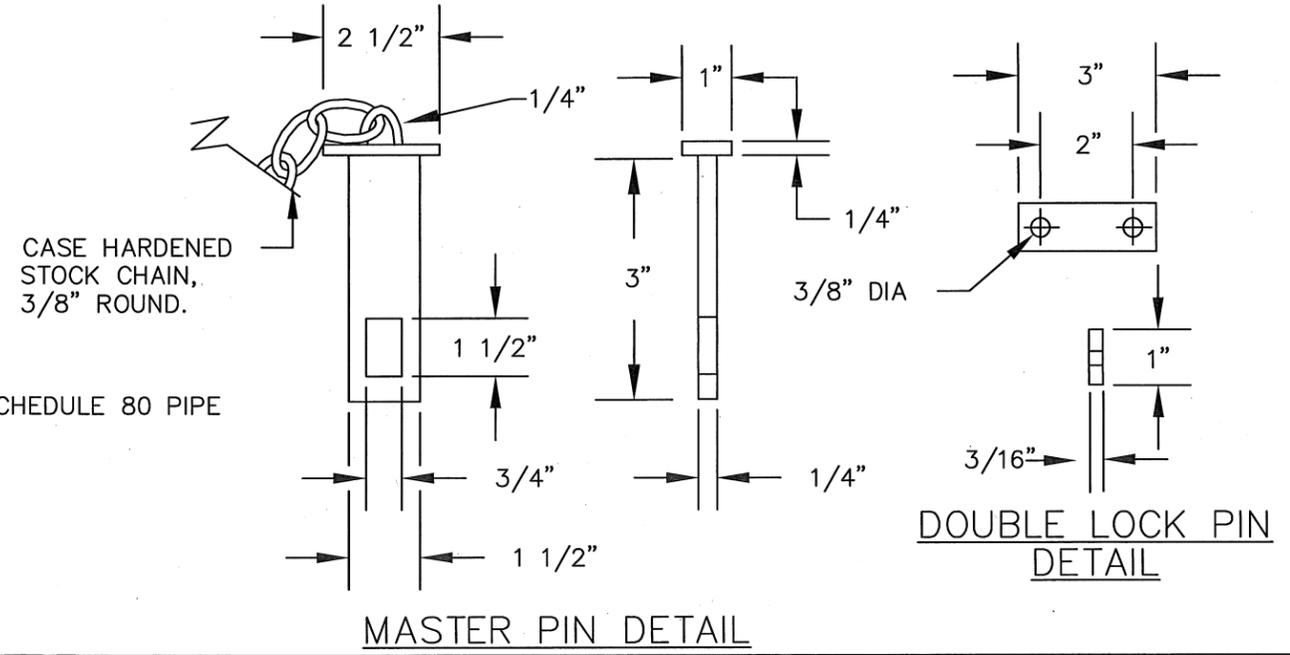
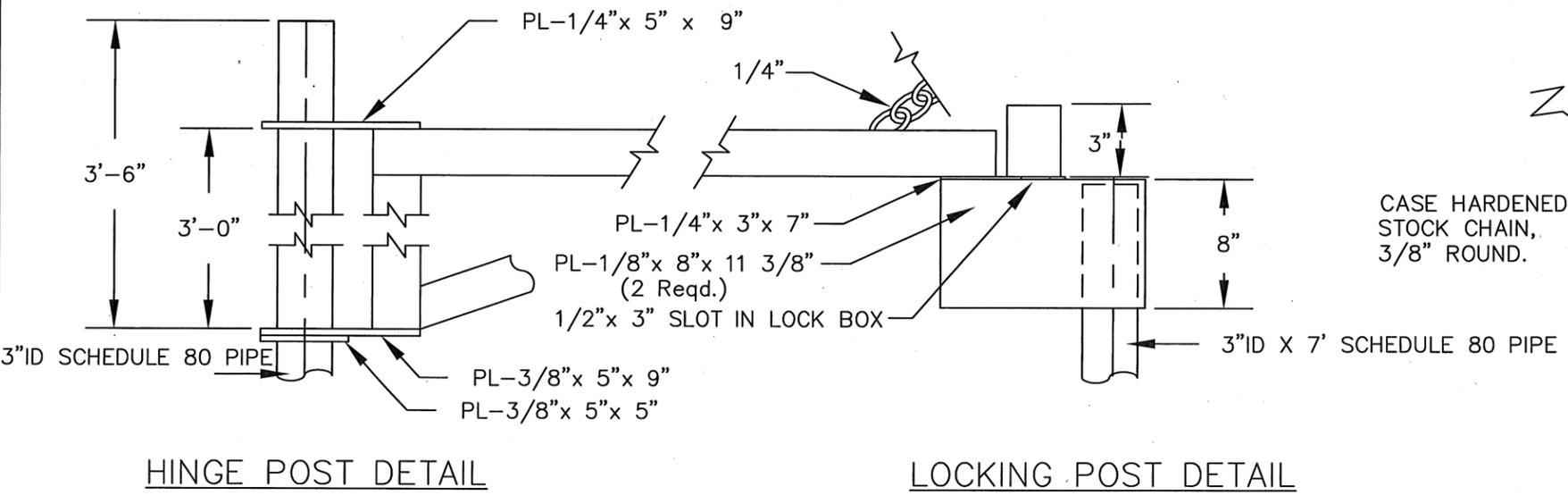
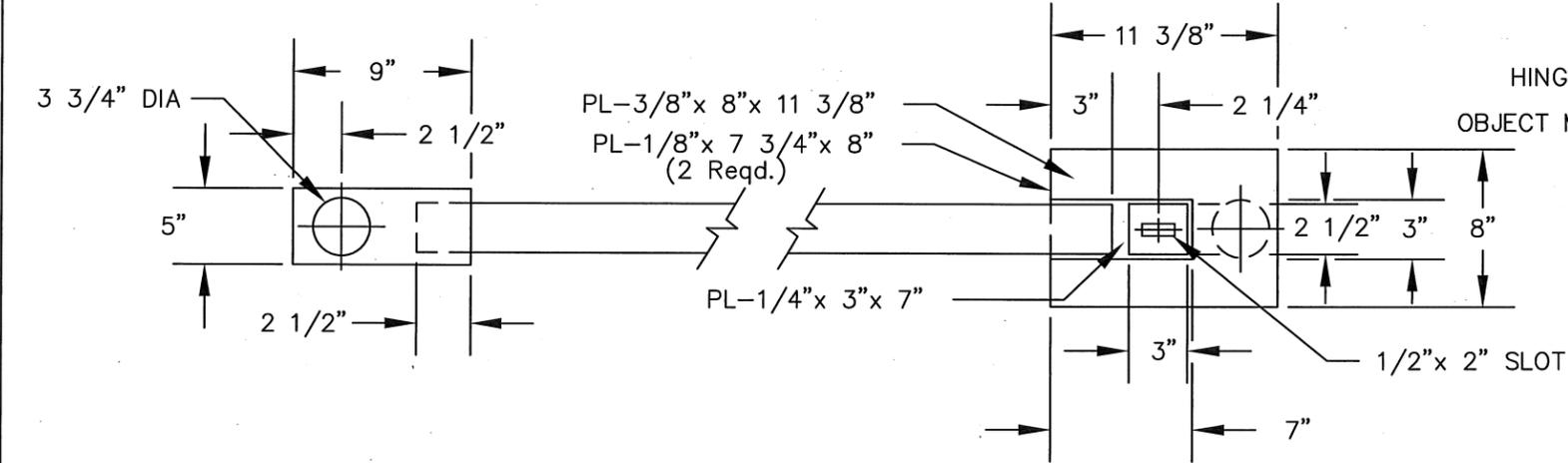
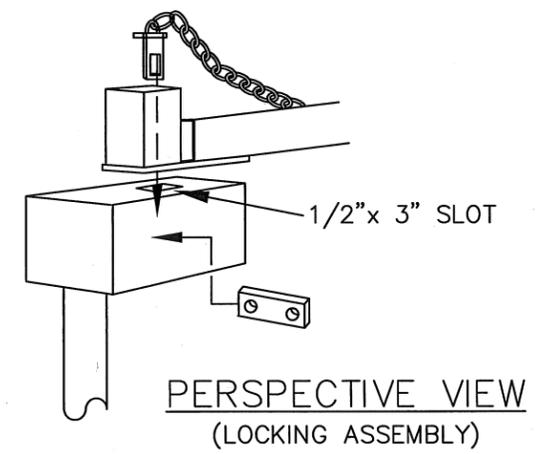
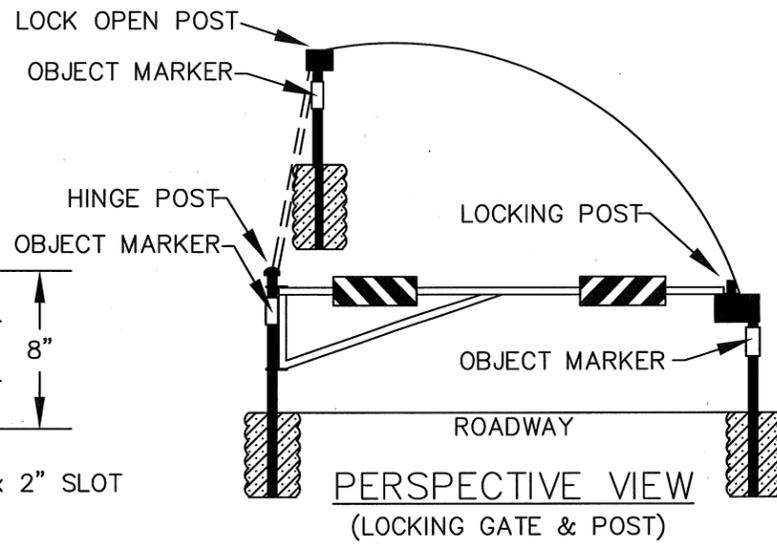
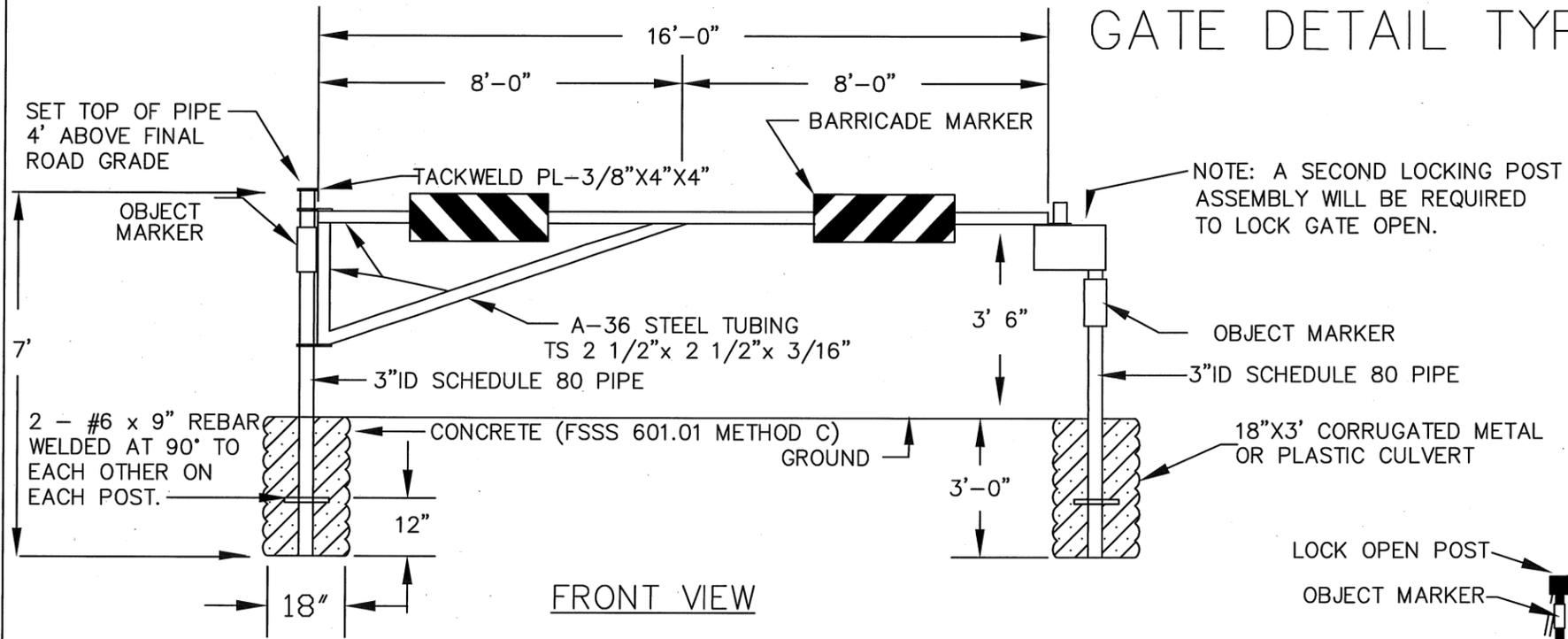
PROJECTS\SITEPLAN\SITE2\SNOWCAP.WG

| | | | |
|--|--------------------------|---|-----------------|
| U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE | | SNOW CAP PIT SITE DEVELOPMENT PLAN KETTLE FALLS R.D. COLVILLE NAT'L FOREST KETTLE FALLS, WA | |
| THE PACIFIC NORTHWEST REGION | COLVILLE NATIONAL FOREST | DRAWN J.Kennedy DATE: 4/11 | |
| FOREST ENGINEER | MINERAL MGR. | DESIGNED DATE: | |
| DISTRICT RANGER | | PHOTO DATE: | |
| | | SURVEY DATE: | |
| SITE PLAN | | | SHT. 8 OF 11 |

GATE DETAIL TYPE II

NOTES

1. EXTERIOR METAL EPOXY PAINT, COCOA BROWN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. BARRICADE MARKERS SHALL MEET MUTCD REQUIREMENTS FOR TYPE 1 (FBM-L AND FBM-R). COLOR - RED & WHITE. 4 REQUIRED, 2 LEFT SIDE STRIPE, 2 RIGHT SIDE STRIPE.
3. OBJECT MARKERS SHALL MEET MUTCD REQUIREMENTS FOR TYPE 2. 6 REQUIRED, 2 ON EACH SIDE OF POSTS DESIGNATED.
4. ALL WELDS REQUIRED TO MANUFACTURE GATE, UNLESS OTHERWISE SHOWN, SHALL BE FILLET AND SHALL BE OF THE SAME SIZE AS THE THICKNESS OF THE SMALLER OF THE TWO PIECES BEING JOINED.
5. ALL MARKERS SHALL MEET MUTCD REQUIREMENTS FOR HIGH INTENSITY PRISMATIC RETROREFLECTIVE SHEETING.



WORK SUMMARY

| | |
|-------|----|
| SHEET | OF |
| 10 | 11 |

ROAD 1500080R

| STA | WORK ITEMS |
|---------|---|
| MP 3.16 | STATION EQUATION - MP 3.16 = 00+00 |
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING & GRUBBING BEGIN CONSTRUCTING 12' ROADBED |
| 31+15 | RECONSTRUCT OSD |
| 54+91 | EOP |

ROAD 1500092R

| STA | WORK ITEMS |
|-------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING AND GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 13+20 | EOP |

ROAD 1500128R

| STA | WORK ITEMS |
|-------|--|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING AND GRUBBING |
| 0+40 | REMOVE EXISTING BERM |
| 4+21 | CONSTRUCT OSD BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 6+27 | CONSTRUCT OSD |
| 6+80 | INSTALL NEW 18"x22' CMP BEGIN PLACING AGGREGATE 4" DEPTH BEGIN CONSTRUCTING DITCH RT |
| 8+39 | END PLACING AGGREGATE 4" DEPTH END CONSTRUCTING DITCH RT CONSTRUCT OSD REMOVE AND DISPOSE EXISTING 24"x20' CMP REMOVE AND DISPOSE EXISTING 24"x20' CMP |
| 15+10 | BEGIN PLACING AGGREGATE 6" DEPTH |
| 15+60 | INSTALL NEW 36"x36' CMP HAUL AND PLACE 40CY AGGREGATE CMP INSTALL |
| 16+10 | END PLACING AGGREGATE 6" DEPTH |
| 20+00 | CONSTRUCT TOL |
| 23+70 | CONSTRUCT OSD |
| 26+64 | CONSTRUCT DD |
| 40+20 | CONSTRUCT TAR - TOL |
| 40+70 | EOP |

ROAD 1500132R

| STA | WORK ITEMS |
|-------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING AND GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE INSTALL TYPE II GATE |
| 0+50 | REMOVE EXISTING BERM |
| 5+37 | CONSTRUCT OSD |
| 16+20 | CONSTRUCT OSD |
| 23+86 | CONSTRUCT DD |
| 29+20 | CONSTRUCT OSD |
| 38+22 | CONSTRUCT OSD |
| 43+25 | CONSTRUCT TAR - TOL |
| 44+00 | EOP |

ROAD 1520080R

| STA | WORK ITEMS |
|--------|--|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING AND GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE REMOVE EXISTING BERMS |
| 4+40 | CONSTRUCT OSD |
| 6+10 | CONSTRUCT OSD |
| 9+50 | RECONSTRUCT EXISTING TOR - TAL |
| 9+90 | CONSTRUCT OSD |
| 15+02 | CONSTRUCT OSD |
| 18+15 | CONSTRUCT OSD |
| 26+60 | CONSTRUCT OSD |
| 30+10 | CONSTRUCT OSD |
| 32+23 | UNIT BOUNDARY |
| 55+22 | CONSTRUCT OSD |
| 58+85 | CONSTRUCT OSD |
| 64+80 | CONSTRUCT DD |
| 71+51 | CONSTRUCT DD |
| 81+64 | CONSTRUCT DD |
| 96+63 | CONSTRUCT TAR |
| 111+76 | CONSTRUCT OSD |
| 120+20 | CONSTRUCT OSD |
| 125+05 | BEGIN PLACING AGGREGATE 6" DEPTH |
| 126+05 | END PLACING AGGREGATE 6" DEPTH |
| 136+10 | CONSTRUCT OSD |
| 139+16 | RECONSTRUCT EXISTING TAR |
| 144+00 | CONSTRUCT TAR - TOL |
| 144+82 | EOP |

WORK SUMMARY

| | |
|-------|----|
| SHEET | OF |
| 11 | 11 |

ROAD 1520090R

| STA | WORK ITEMS |
|------------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING & GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 5+50 | CONSTRUCT OSD |
| 23+00 | EOP |

ROAD 1520115R

| STA | WORK ITEMS |
|------------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING AND GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 4+07 | CONSTRUCT OSD |
| 4+57 | EOP |

ROAD 1520095R

| STA | WORK ITEMS |
|------------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING & GRUBBING BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 0+55 | REMOVE EXISTING BERM |
| 17+10 | CONSTRUCT DD |
| 18+70 | CONSTRUCT OSD |
| 21+21 | CONSTRUCT OSD |
| 22+40 | CONSTRUCT TAR |
| 23+80 | EOP |

ROAD 1520150R

| STA | WORK ITEMS |
|------------|---|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN CLEARING & GRUBBING BEGIN CONSTRUCTING 12' ROADBED |
| 0+75 | REMOVE EXISTING BERM |
| 1+55 | REMOVE EXISTING BERM |
| 14+55 | UNIT BOUNDARY #77 EOP |

ROAD 1520110R

| STA | WORK ITEMS |
|------------|--|
| 00+00 | BEGIN ESTABLISHING CLEARING LIMITS BEGIN ROADBED RECONDITIONING, SCARIFY, BLADE & SHAPE |
| 0+75 | REMOVE EXISTING BERMS BEGIN CLEARING & GRUBBING |
| 2+26 | CONSTRUCT OSD |
| 2+60 | REMOVE EXISTING BERM |
| 3+90 | CONSTRUCT TAR |
| 4+74 | CONSTRUCT DD |
| 6+40 | REMOVE EXISTING BERM |
| 8+00 | CONSTRUCT OSD |
| 9+80 | EOP |