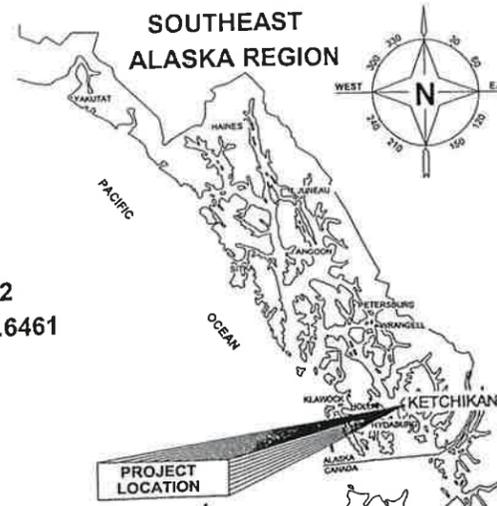


State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

KETCHIKAN, ALASKA

KTN: WHITE RIVER ROAD GRAVEL SURFACING
PROJECT NO. 68254



| INDEX | |
|---|------------------------|
| SHEET NO. | DESCRIPTION |
| A1 | TITLE SHEET |
| A2 | LAYOUT |
| B1 | TYPICAL SECTIONS |
| C1 | ESTIMATE OF QUANTITIES |
| D1 | SUMMARIES |
| E1-E3 | MISCELLANEOUS DETAILS |
| <i>Asbuilts</i> | |
| <i>Project Engineer: Mandi Bakshakoff</i> | |
| <i>Contractor: S+S Construction</i> | |
| <i>Start: June 11, 2014 End: September 15, 2014</i> | |

ROUTE: -- MILEPOINT: --

PATH: Q:\KTN\68405\PLANSET\68254\68254_A1 TSHT.DWG TAB:A1

Tuesday, July 09, 2013 1:52:55 PM

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

8-26-13

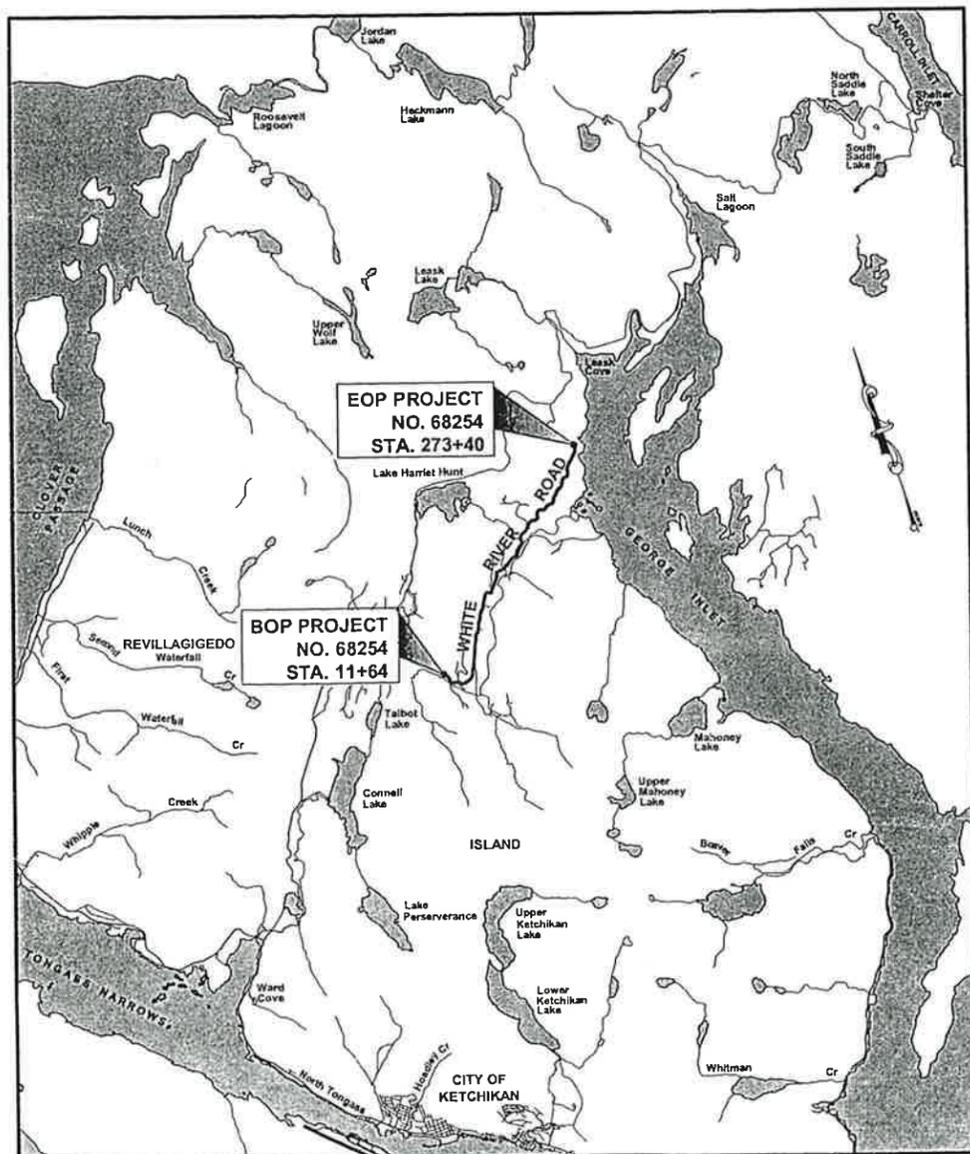
APPROVED: *Chuck Correa* 8/27/13
REGIONAL PRE-CONSTRUCTION ENGINEER
CHUCK CORREA, P.E. DATE

APPROVED: *Albert H. Clough* 8-20-2013
DIRECTOR, SOUTHEAST REGION
ALBERT H. CLOUGH, CPG DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION:

[Signature] 7-7-15
CONSTRUCTION PROJECT MANAGER DATE

| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|--------|---------------------|------|-----------|--------------|
| ALASKA | 68254 | 2013 | A1 | 8 |



VICINITY MAP

PROJECT SUMMARY

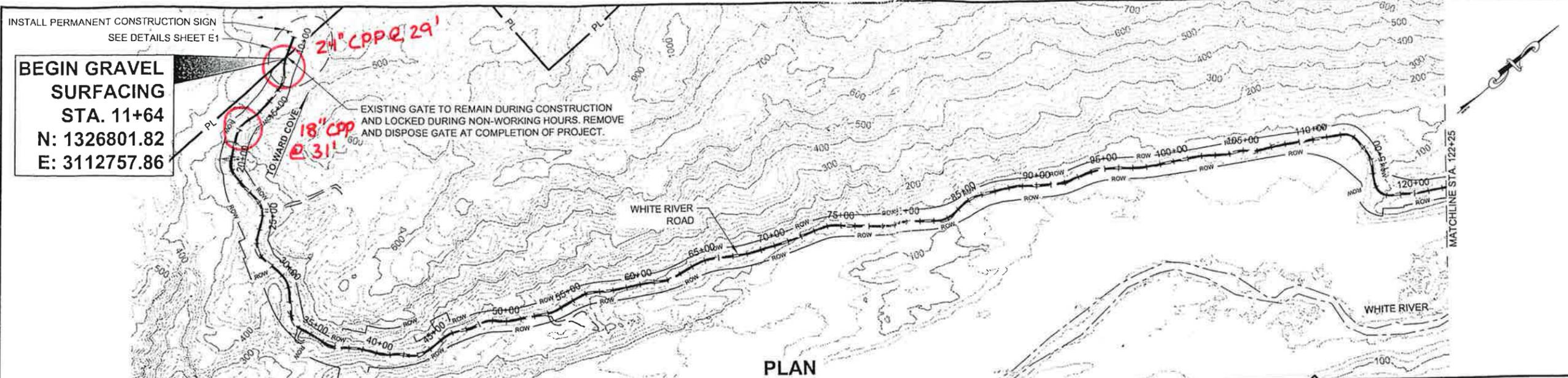
LENGTH OF PROJECT = 4.96 MILES
 LENGTH OF SURFACING = 4.96 MILES
 WIDTH OF SURFACING = APPROX. 12 FT - 16 FT SINGLE LANE ROAD

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

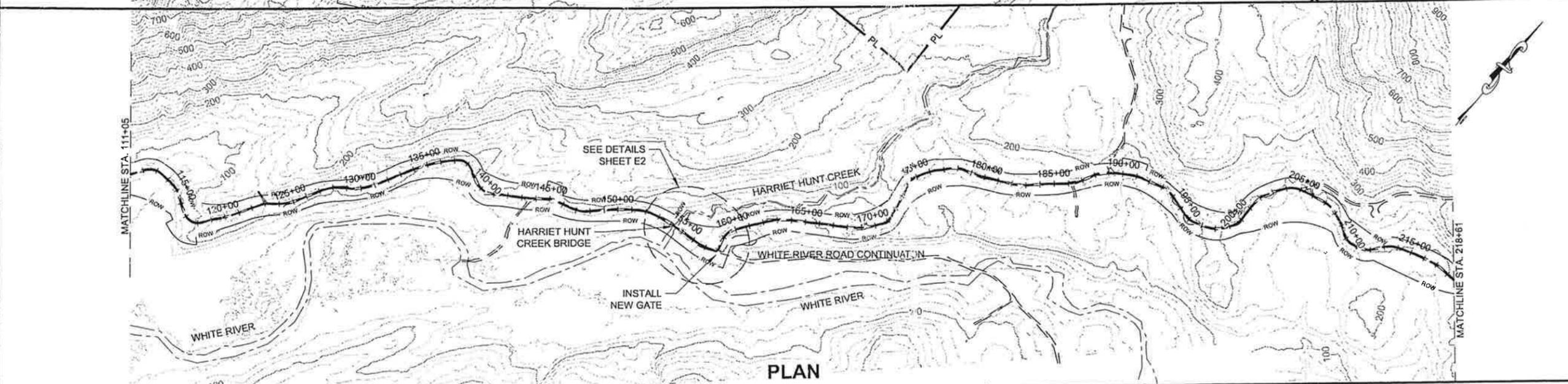
PE *MB* Date *7/1/15*

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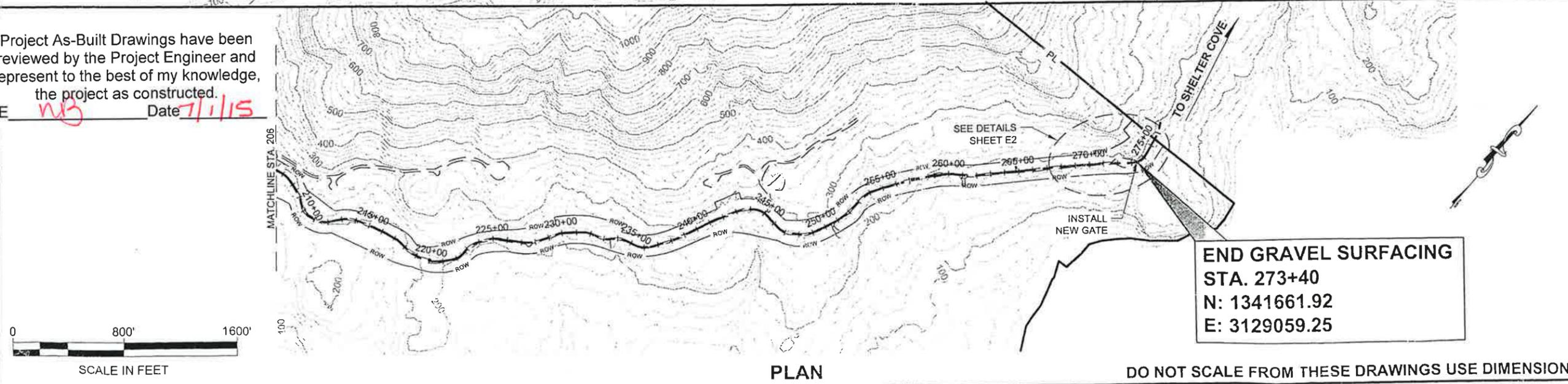
S-00.11 S-20.10
 S-01.00 S-30.03
 S-05.01



PLAN



PLAN



PLAN

BEGIN GRAVEL SURFACING
STA. 11+64
N: 1326801.82
E: 3112757.86

END GRAVEL SURFACING
STA. 273+40
N: 1341661.92
E: 3129059.25

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *WJ* Date *7/1/15*

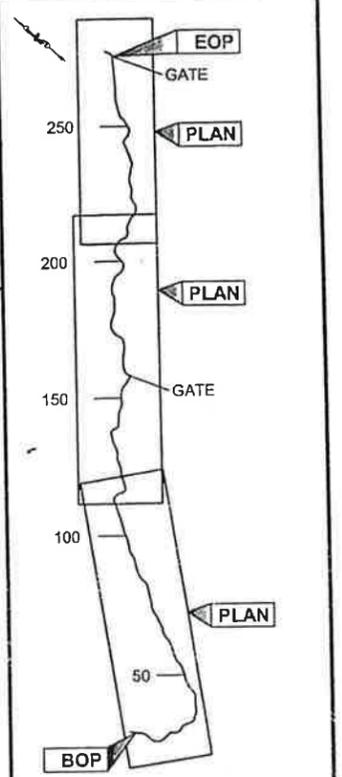


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\KTN168405\PLANSET\68254\A2_AYDUT

GRANTHAM, RICK L. (DOT)
 TAB: A2 Wednesday, August 21, 2013 8:02:31 AM

| ADDENDUM NUMBER | | |
|---------------------|------|-------------|
| ATTACHMENT NUMBER | | |
| RECORD OF REVISIONS | | |
| No. | DATE | DESCRIPTION |
| | | |
| | | |



CHECKED BY: K. KARPSTEIN



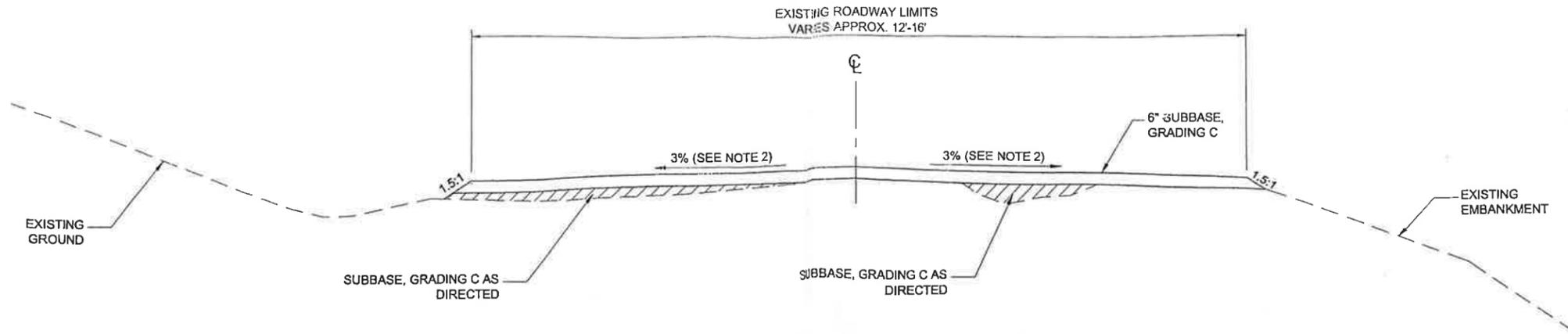
DESIGNED BY: D. LESTER
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN: WHITE RIVER ROAD
 GRAVEL SURFACING
 PROJECT #68254

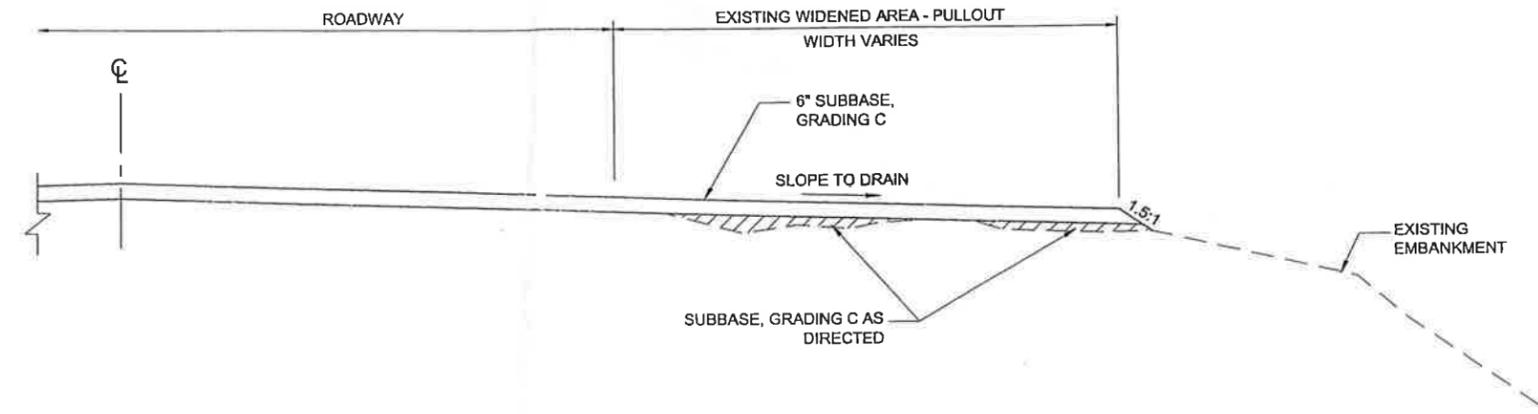
LAYOUT

| | |
|---------------------|--------------|
| PROJECT DESIGNATION | |
| 68254 | |
| STATE | YEAR |
| ALASKA | 2013 |
| SHEET NUMBER | TOTAL SHEETS |
| A2 | 8 |



ROADWAY TYPICAL SECTION

NTS
BOP TO EOP



WIDENED AREA - PULLOUT TYPICAL SECTION

NTS
VARIOUS LOCATIONS

NOTES:

1. THE EXISTING ROADWAY IS A WINDING SINGLE LANE GRAVEL LOGGING ROAD WITH NUMEROUS WIDENED AREAS AND PULLOUTS TO ALLOW OPPOSING VEHICLE PASSAGE. THE INTENT IS TO PRE-FILL EXCESSIVE POTHOLES, RUTS, DIPS, AND OTHER IRREGULARITIES (2" DEPTH OR DEEPER) WITH SUBBASE, GRADING C, THEN COMPACT TO PREPARE THE EXISTING SURFACE FOR THE SURFACE COURSE. SOME GRADING OF THE EXISTING SURFACE MAY BE REQUIRED. PLACE 6 INCHES OF SUBBASE, GRADING C FOR A SURFACE COURSE. THE SUBBASE IS TO BE PLACED ON THE EXISTING ROADWAY LIMITS, INCLUDING THE WIDENED AREAS AND PULLOUTS WITHOUT ANY ADDITIONAL WIDENING.
2. THE DESIRED CROSS SLOPE TARGET IS 3%. IF CONSTRUCTING A 3% CROSS SLOPE BEGINS TO REQUIRE EXCESSIVE FILL OR EXCAVATION, OR THE LIMITS OF FILL START TO EXTEND OUT BEYOND THE EXISTING ROADWAY SURFACE LIMITS, ESTABLISH A SUFFICIENT CROSS SLOPE SO DRAINAGE IS OFF THE ROADWAY SURFACE. DO NOT PLACE MATERIAL BEYOND THE EXISTING ROADWAY SURFACE LIMITS. THE INTENT IS TO PLACE A UNIFORM THICKNESS SURFACE COURSE. FOR PULLOUTS, DIRECT SURFACE DRAINAGE AWAY FROM ROADWAY. IF THE ROADWAY IS SUPERELEVATED, MATCH THE SUPERELEVATION.
3. THE CENTERLINE ALIGNMENT SHOWN WAS CREATED USING AERIAL PHOTOGRAPHY AND MAY WANDER FROM THE ACTUAL CENTERLINE.
4. BEGIN PLACING SUBBASE, GRADING C AT THE EOP AND WORK TOWARDS THE BOP TO PREVENT WEAR TO THE SUBBASE, GRADING C SURFACE COURSE.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE MB Date 7/1/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

| | | | |
|---|--|--|-------------------|
| CHECKED BY: K. KARPSTEIN  | | STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN: WHITE RIVER ROAD GRAVEL SURFACING PROJECT #68254 | |
| DESIGNED BY: D. LESTER DRAWN BY: R. GRANTHAM | | TYPICAL SECTION | |
| PATH: Q:\KTN\68405\PLANSET\68254\68254_B1_TYP.DWG TAB: B1 Thursday, August 22, 2013 1:25:58 PM | | GRANTHAM, RICK L (DOT) | |
| REVISIONS: NO. DATE DESCRIPTION | | PROJECT DESIGNATION 68254 | YEAR 2013 |
| | | SHEET NO. B1 | TOTAL SHEETS 8 |

| ESTIMATE OF QUANTITIES | | | |
|------------------------|--|----------------|--------------|
| ITEM NO | ITEM DESCRIPTION | PAY UNIT | QUANTITY |
| 202(1) | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | LUMP SUM | ALL REQUIRED |
| 304(1) | SUBBASE, GRADING C | CYVM | 10,383.27 |
| 504(3) | GATE | EACH | 2 |
| 615(1) | STANDARD SIGN | SQUARE FOOT | 113.34 |
| 638(1) | FIBER ROLL | LINEAR FOOT | 614 |
| 640(1) | MOBILIZATION AND DEMOBILIZATION | LUMP SUM | ALL REQUIRED |
| 640(4) | WORKER MEALS AND LODGING, OR PER DIEM | LUMP SUM | ALL REQUIRED |
| 641(1) | EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION | LUMP SUM | ALL REQUIRED |
| 641(6) | WITH-HOLDING | CONTINGENT SUM | ALL REQUIRED |
| 642(1) | CONSTRUCTION SURVEYING | LUMP SUM | ALL REQUIRED |
| 643(2) | TRAFFIC MAINTENANCE | LUMP SUM | ALL REQUIRED |
| 643(3) | PERMANENT CONSTRUCTION SIGNS | LUMP SUM | ALL REQUIRED |
| 643(25) | TRAFFIC CONTROL | CONTINGENT SUM | ALL REQUIRED |
| 644(7) | VEHICLE | Lumpsum DAY | 42 |
| 644(8) | ATV | Lumpsum DAY | 21 |
| 646(1) | CPM SCHEDULING | LUMP SUM | ALL REQUIRED |
| 603(21)-18 | 18" Corrugated Polyethylene Pipe | L.F. | 31.0 |
| 603(21)-24 | 24" CPP | L.F. | 29.0 |

| BASIS OF ESTIMATE | | |
|-------------------|--------------------|-------------------|
| ITEM NO. | ITEM | ESTIMATING FACTOR |
| 304 (1) | SUBBASE, GRADING C | 1.95 TONS/CY |

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE NG Date 7/1/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

| | | | |
|---|--|---|-------------------|
| CHECKED BY: K. KARPSTEIN  | | STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN: WHITE RIVER ROAD GRAVEL SURFACING PROJECT #68254 | |
| DESIGNED BY: D. LESTER DRAWN BY: R. GRANTHAM | | ESTIMATE OF QUANTITIES | |
| PATH: Q:\KTN\68405\PLANSET\68254\68254_C1_EST.DWG TAB: C1 Friday, August 23, 2013 11:11:15 AM | | LESTER, DARRYL (DOT) | |
| REVISIONS NO. DATE DESCRIPTION | | PROJECT DESIGNATION 68254 | YEAR 2013 |
| | | SHEET NO. C1 | TOTAL SHEETS 8 |

202 (1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

| STA. | OFFSET | REMARKS |
|-------|--------|---------|
| 11+64 | CL | GATE |

504 GATE SUMMARY

| STA. | OFFSET | REMARKS |
|--------|--------|--------------------------------------|
| 157+95 | 24' RT | |
| 273+50 | CL | PREVENT PUBLIC ACCESS BEYOND THE EOP |

615 (1) STANDARD SIGN SUMMARY

| SIGN # | LEGEND | STA. | OFFSET | ASDS CODE | WIDTH (IN) | HEIGHT (IN) | AREA (SQ FT) | POST | EMBED. DEPTH | SIGN FACING | REMARKS |
|--------|---|--------|--------|-----------|------------|-------------|--------------|--------------|--------------|-------------|---|
| 1 | ONE LANE ROAD | 11+64 | RT | W20-4 | 36 | 36 | 9.00 | 2.5 PST | 4'-6" | W | 6 INCH CAPITAL LETTERS, 4.5 INCH LOWER CASE LETTERS, C FONT |
| 2 | SPEED LIMIT 25 | 11+90 | RT | R2-1 | 30 | 36 | 7.50 | 2.5 PST | 4'-6" | W | |
| 3 | Harriet Hunt Creek | 154+03 | RT | I-3 | 24 | 54 | 9.00 | 2 EA 2.5 PST | 4'-6" | W | |
| 4 | OBJECT MARKER | 154+19 | RT | OM-3R | 12 | 36 | 3.00 | 2.5 PST | 4'-6" | W | |
| 5 | OBJECT MARKER | 154+19 | LT | OM-3L | 12 | 36 | 3.00 | 2.5 PST | 4'-6" | E | |
| 6 | OBJECT MARKER | 154+56 | RT | OM-3L | 12 | 36 | 3.00 | 2.5 PST | 4'-6" | E | |
| 7 | OBJECT MARKER | 154+56 | LT | OM-3R | 12 | 36 | 3.00 | 2.5 PST | 4'-6" | E | |
| 8 | Harriet Hunt Creek | 154+72 | RT | I-3 | 24 | 54 | 9.00 | 2 EA 2.5 PST | 4'-6" | W | |
| 9 | TURN ARROW 90 DEGREE (SYMBOL) | 157+50 | RT | W1-1L | 36 | 36 | 9.00 | 2.5 PST | 4'-6" | W | |
| 10 | PRIVATE PROPERTY ABSOLUTELY NO ADMITTANCE | 157+95 | RT | | 78 | 22 | 11.92 | 2 EA 2.5 PST | 4'-6" | W | REGULATORY SIGN BLACK ON WHITE. LINE 1: ALL UPPERCASE, 6 INCH C-FONT. LINE 2: ALL UPPERCASE, 4 INCH B-FONT. |
| 11 | TURN ARROW 90 DEGREE (SYMBOL) | 158+35 | LT | W1-1R | 36 | 36 | 9.00 | 2.5 PST | 4'-6" | E | |
| 12 | END ROAD 1000 FT | 163+40 | RT | W14-101 | 36 | 36 | 9.00 | 2.5 PST | 4'-6" | W | |
| 13 | SPEED LIMIT 25 | 269+00 | LT | R2-1 | 30 | 36 | 7.50 | 2.5 PST | 4'-6" | E | |
| 14 | RED NINE BUTTON | 273+40 | RT | OM4-1 | 18 | 18 | 2.25 | 2.5 PST | 4'-6" | W | MOUNT ABOVE SIGN #12 |
| 15 | END | 273+40 | RT | W14-100 | 30 | 30 | 6.25 | | | W | |
| 16 | PRIVATE PROPERTY ABSOLUTELY NO ADMITTANCE | 157+95 | RT | | 78 | 22 | 11.92 | 2 EA 2.5 PST | 4'-6" | W | REGULATORY SIGN BLACK ON WHITE. LINE 1: ALL UPPERCASE, 6 INCH C-FONT. LINE 2: ALL UPPERCASE, 4 INCH B-FONT. |

THE WHITE RIVER ROAD IS CONSIDERED ORIENTED IN A WEST - EAST DIRECTION FROM BOP TO EOP

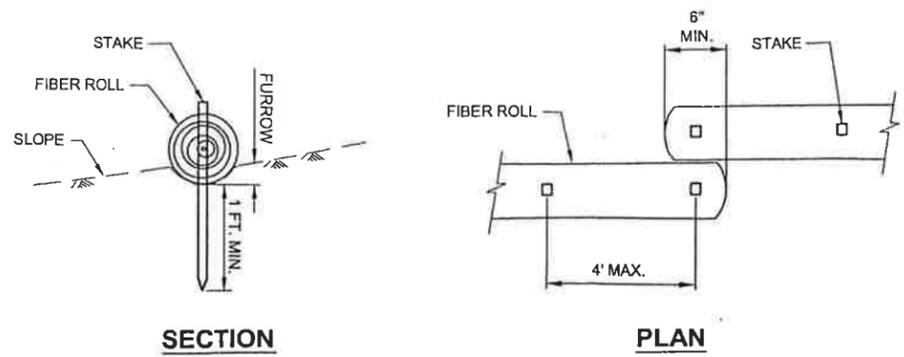
633 (1) FIBER ROLL

| FROM STA | OFFSET | LENGTH | REMARKS |
|-------------|--------|--------|----------------------------------|
| 154+20 | RT | 20 | HARRIENT HUNT CREEK |
| 154+20 | LT | 20 | HARRIENT HUNT CREEK |
| 154+70 | RT | 20 | HARRIENT HUNT CREEK |
| 154+70 | LT | 20 | HARRIENT HUNT CREEK |
| CONTINGENCY | | 220 | EXTRA MATERIAL AVAILABLE FOR USE |

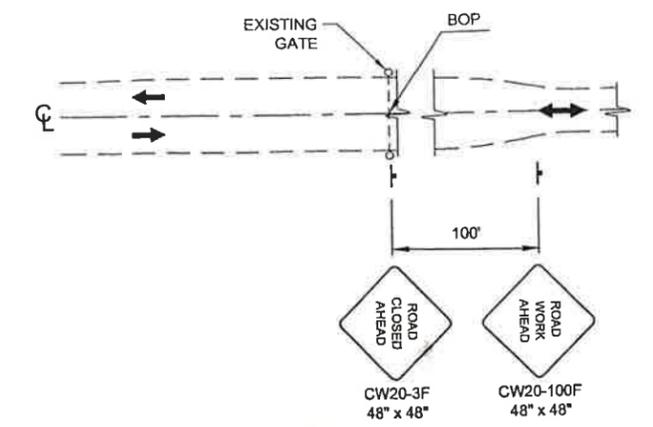
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE 11/13 Date 7/1/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

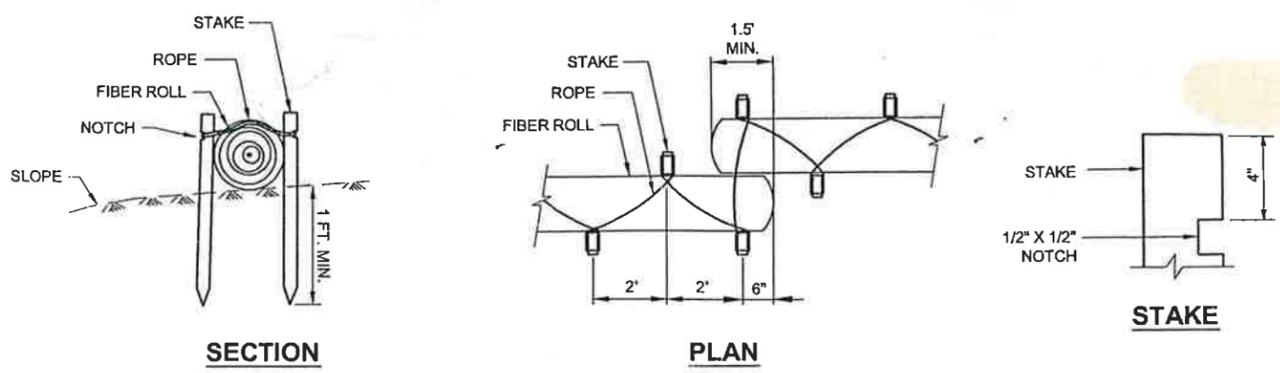
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| CHECKED BY: K. KARPSTEIN  | | STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION KTN: WHITE RIVER ROAD GRAVEL SURFACING PROJECT #68254 | |
| DESIGNED BY: D. LESTER DRAWN BY: R. GRANTHAM | | SUMMARIES | |
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| REVISIONS NO. DATE DESCRIPTION | | PROJECT DESIGNATION 68254 | YEAR 2013 |
| | | SHEET NO. D1 | TOTAL SHEETS 8 |



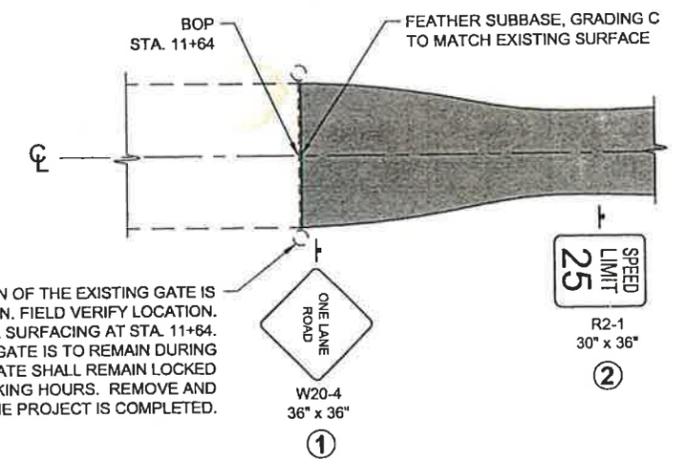
FIBER ROLL (TYPE 1)



PERMANENT CONSTRUCTION SIGNING

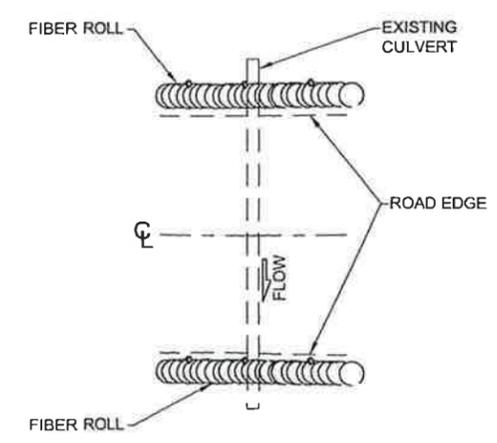


FIBER ROLL (TYPE 2)



BOP DETAIL

TYPICAL FIBER ROLL DETAIL



FIBER ROLL DETAIL

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE NO Date 7/1/15

EROSION CONTROL NOTES:

1. REFER TO APPENDIX B OF THE SPECIAL PROVISIONS FOR THE ENVIRONMENTAL COMMITMENTS.
2. TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A WQCP ACCORDING TO SECTION 641 OF THE SPECS.
3. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITIONS OF THE SITE. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
4. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.
5. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
6. MAINTAIN DEVICES. MONITOR DAILY.
7. WHEN CONDITIONS REQUIRE THE INSTALLATION OF FIBER ROLL AT CULVERTS, INSTALL AS DIRECTED TO PREVENT SEDIMENT FROM ENTERING STREAMS AND DRAINAGES.
8. IF CONDITIONS ARE DRY, FIBER ROLL INSTALLATION MAY NOT BE REQUIRED.

THE EXACT LOCATION OF THE EXISTING GATE IS UNKNOWN. FIELD VERIFY LOCATION. BEGIN GRAVEL SURFACING AT STA. 11+64. EXISTING GATE IS TO REMAIN DURING CONSTRUCTION. THE GATE SHALL REMAIN LOCKED DURING NON-WORKING HOURS. REMOVE AND DISPOSE GATE WHEN THE PROJECT IS COMPLETED.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 8-26-13

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN: WHITE RIVER ROAD
 GRAVEL SURFACING
 PROJECT #68254

DESIGNED BY: D. LESTER
 DRAWN BY: R. GRANTHAM

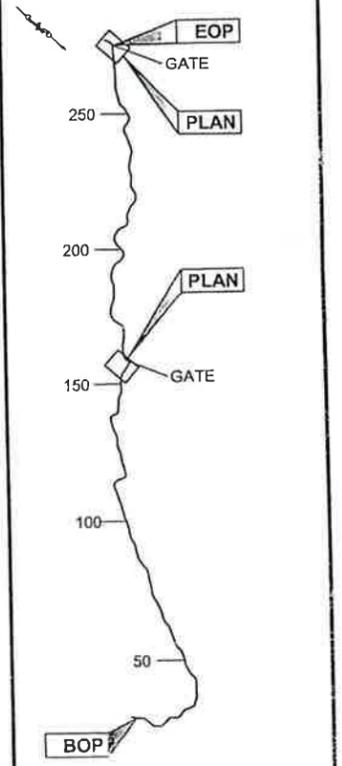
STATE OF ALASKA
 49th
 DARRYL G. LESTER
 CE-11514
 REGISTERED PROFESSIONAL ENGINEER

MISCELLANEOUS DETAILS

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| REVISIONS | | | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----------|------|-------------|---------------------|------|-----------|--------------|
| NO. | DATE | DESCRIPTION | | | | |
| | | | 68254 | 2013 | E1 | 8 |

| RECORD OF REVISIONS | | |
|---------------------|------|-------------|
| No. | DATE | DESCRIPTION |
| | | |
| | | |



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

8-26-13

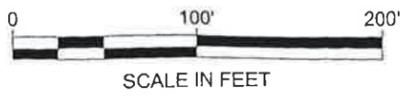
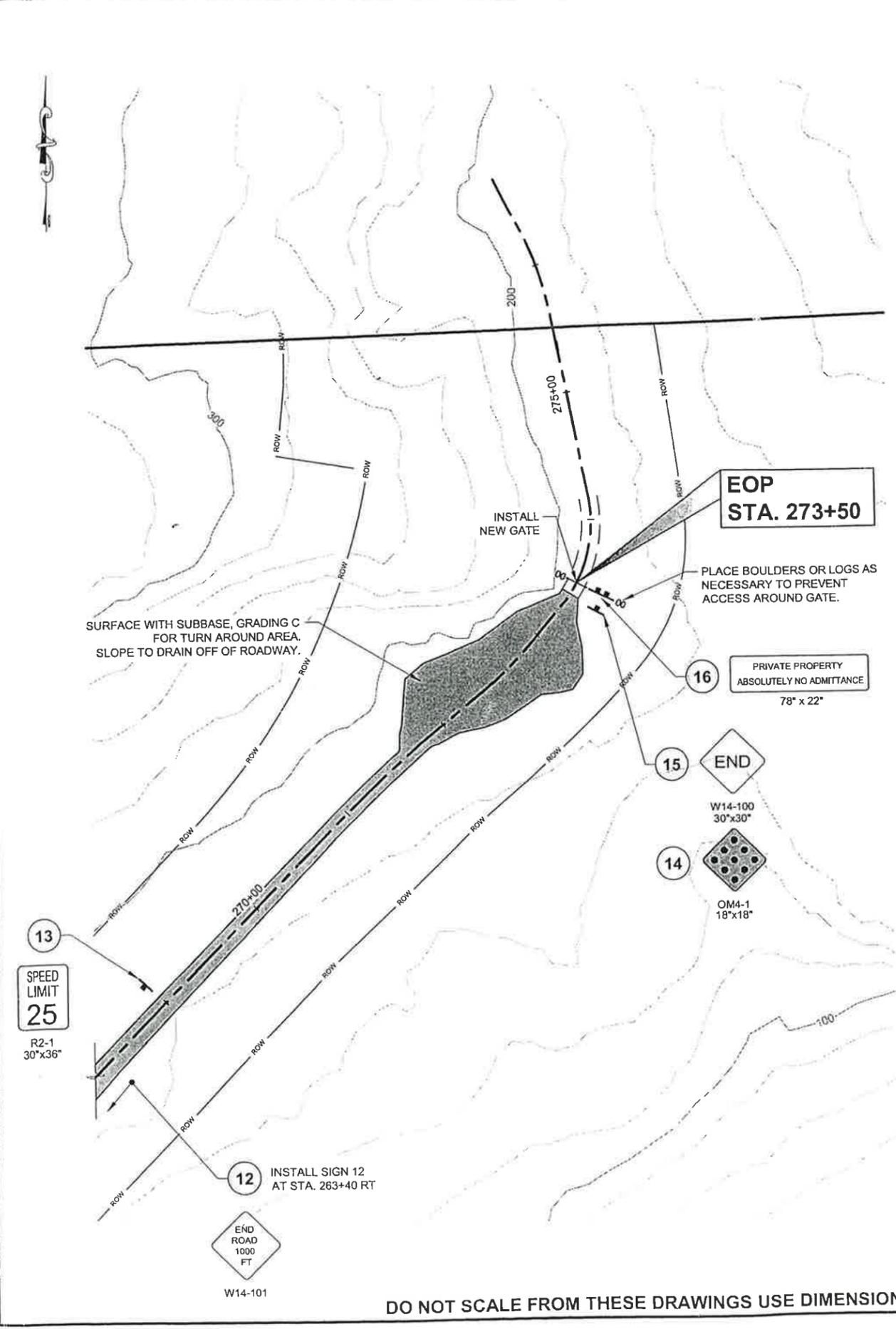
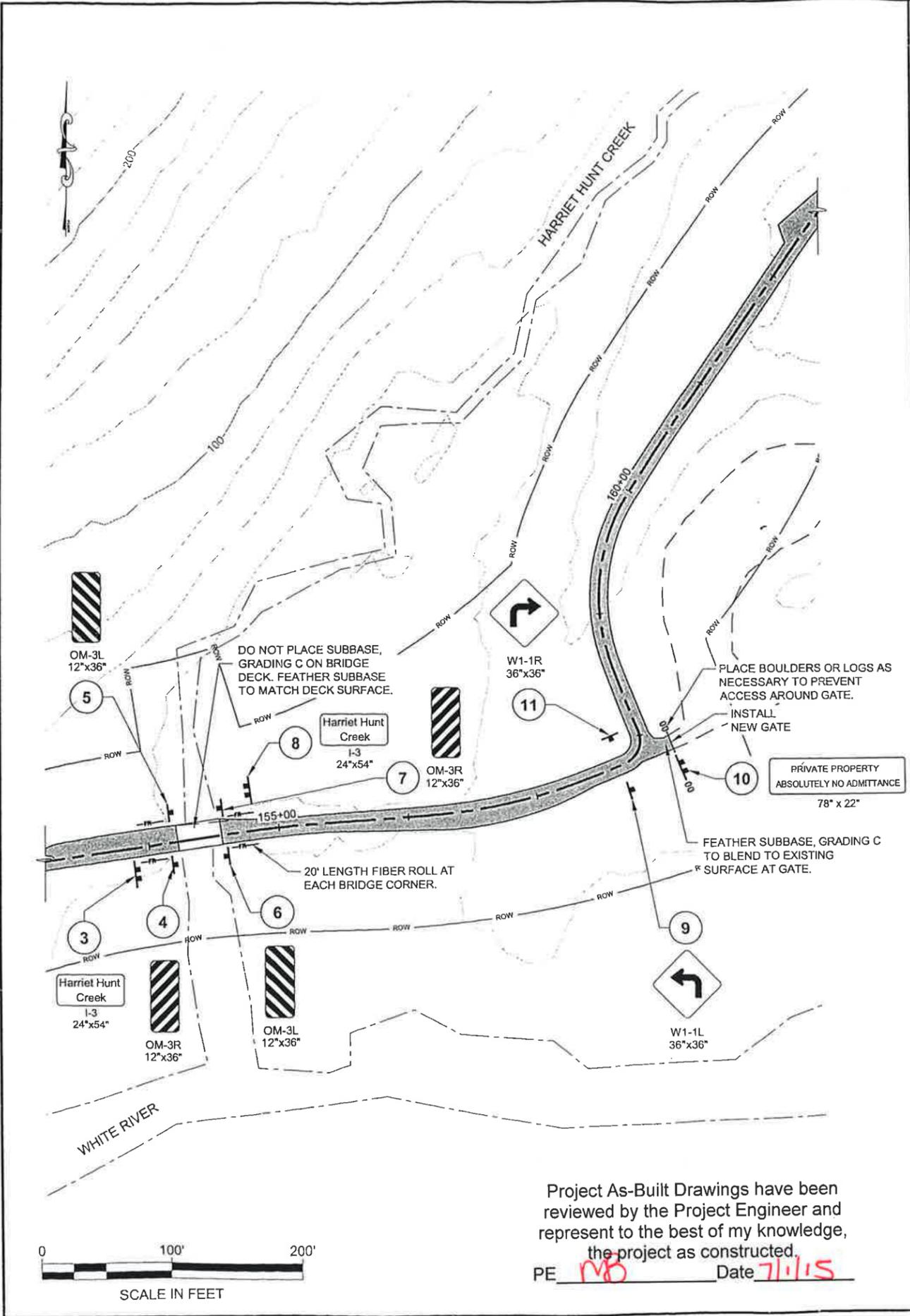
DESIGNED BY: D. LESTER
 DRAWN BY: R. GRANTHAM

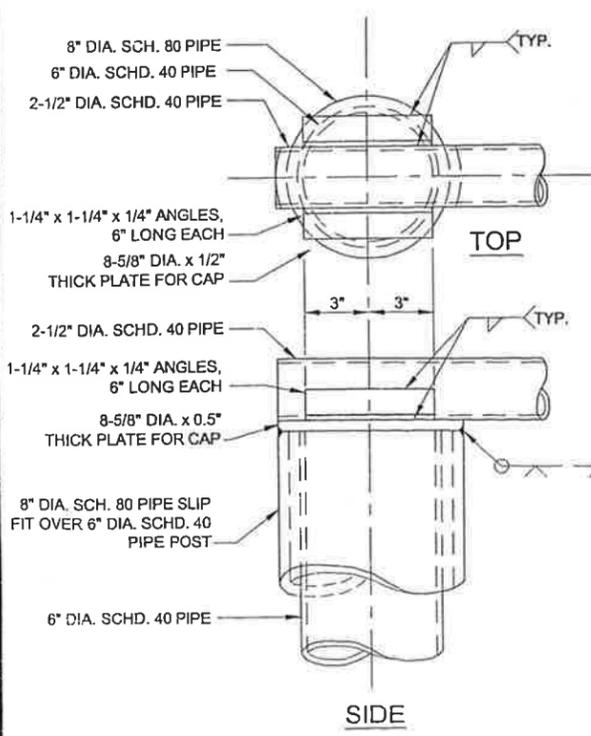
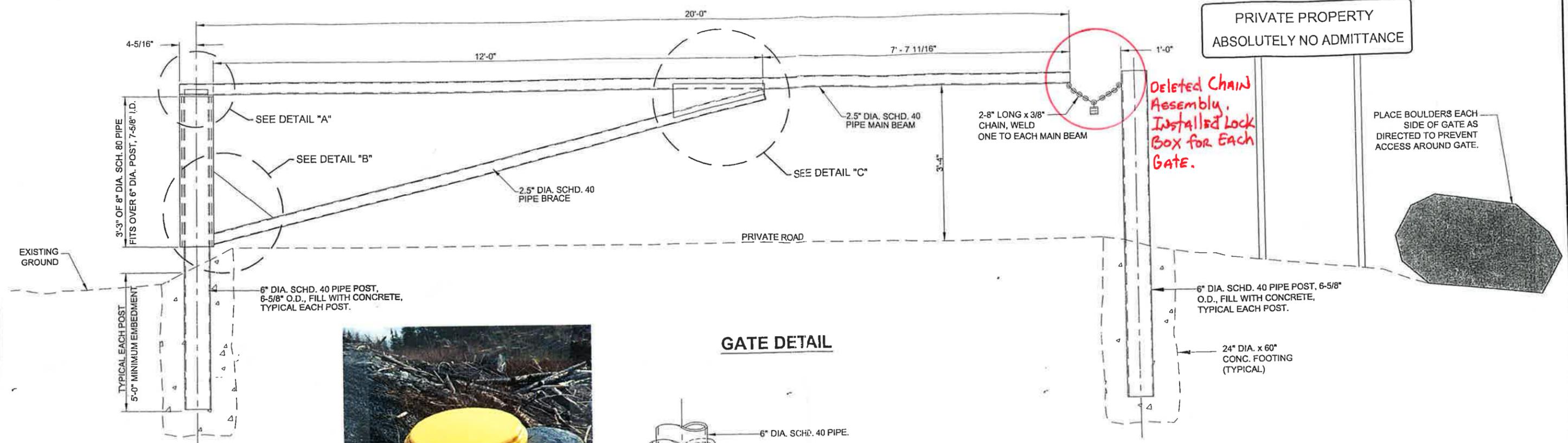
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN: WHITE RIVER ROAD
 GRAVEL SURFACING
 PROJECT #68254

MISCELLANEOUS DETAILS

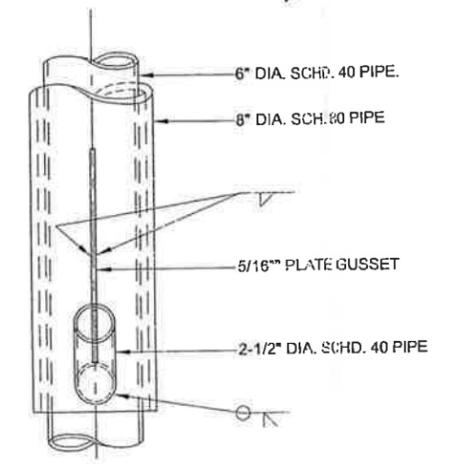
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| PROJECT DESIGNATION | |
| 68254 | |
| STATE | YEAR |
| ALASKA | 2013 |
| SHEET NUMBER | TOTAL SHEETS |
| E2 | 8 |



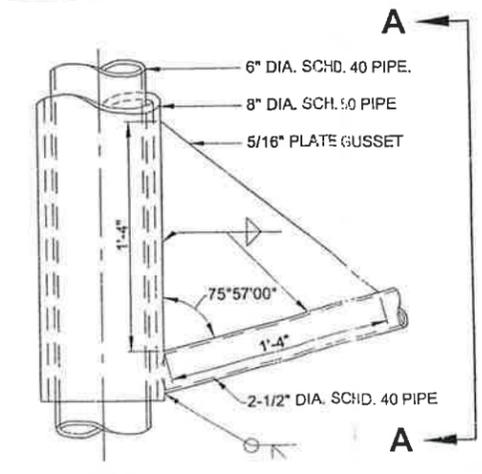


DETAIL "A"

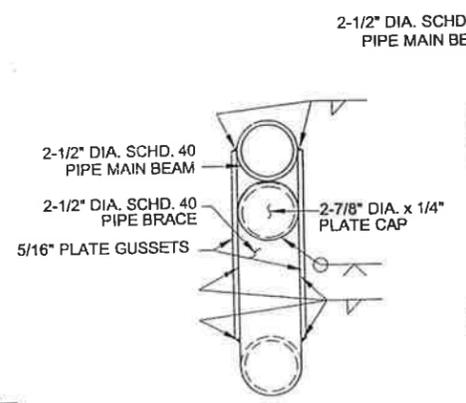
GATE DETAIL



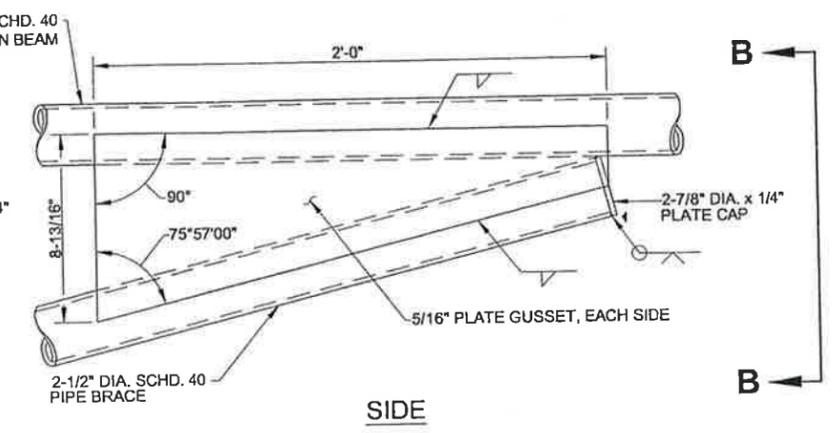
SECTION A-A



DETAIL "B"



SECTION B-B



DETAIL "C"

NOTES:

1. ALL WELDS SHALL BE 1/4" UNLESS OTHERWISE NOTED.
2. PAINT COLOR: YELLOW, AS DIRECTED.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE MS Date 7/1/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 9-26-13

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

KTN: WHITE RIVER ROAD
 GRAVEL SURFACING
 PROJECT #68254

MISCELLANEOUS
 DETAILS

DESIGNED BY: D. LESTER
 DRAWN BY: R. GRANTHAM
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| REVISIONS | | | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----------|------|-------------|---------------------|------|-----------|--------------|
| NO. | DATE | DESCRIPTION | 68254 | 2013 | E3 | 8 |
| | | | | | | |