

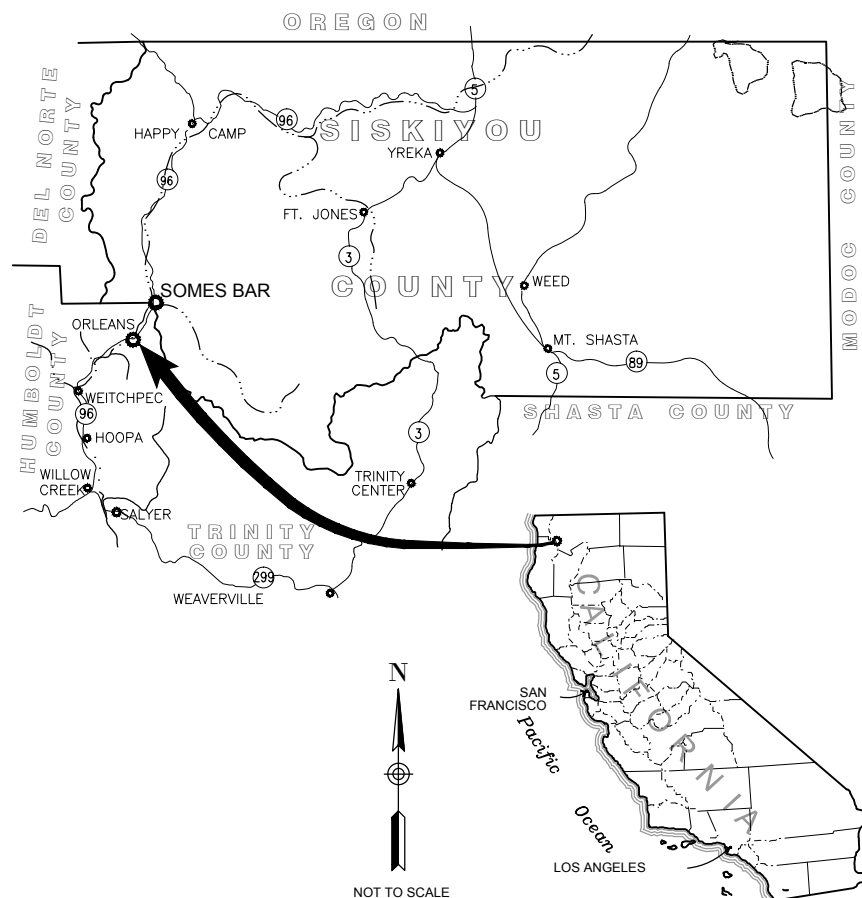
KARUK TRIBE
ORLEANS, CALIFORNIA

UPPER & LOWER TISHAWNIK ROAD IMPROVEMENTS

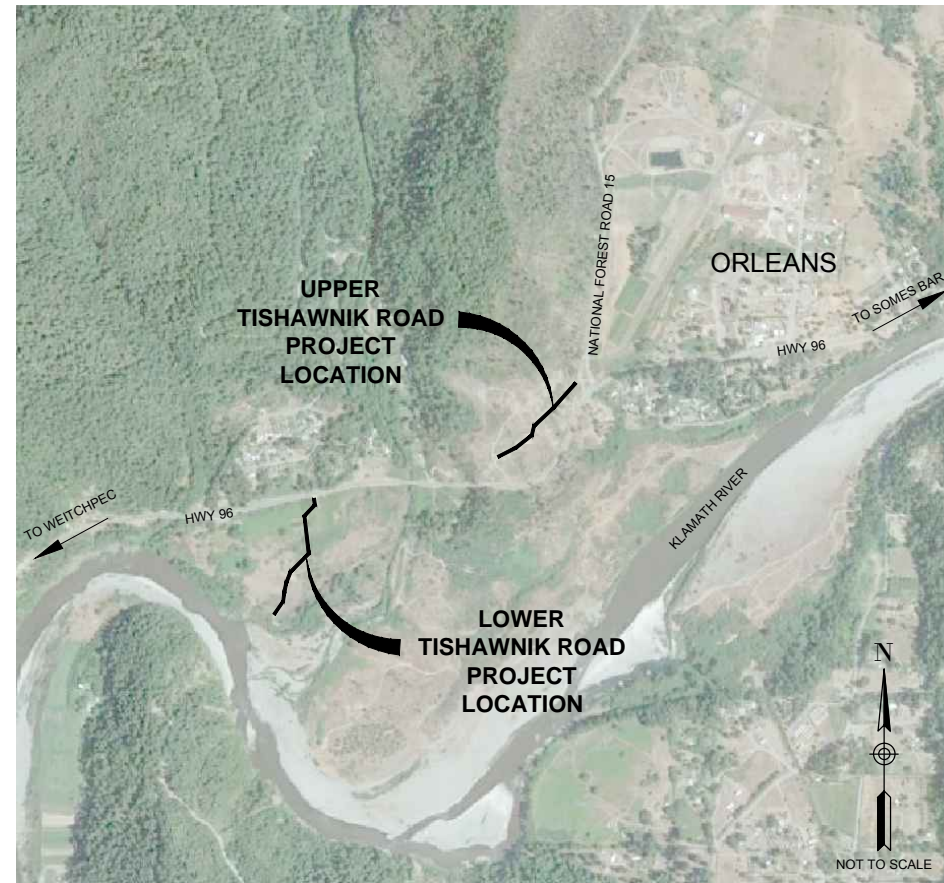
SEPTEMBER 2015



AREA MAP



LOCATION MAP



SHEET INDEX

SHEET NUMBER	DESIGNATION	DESCRIPTION
1	G001	COVER SHEET
2	G002	CONSTRUCTION NOTES
3	C101	UPPER TISHAWNIK ROAD - PLAN & DETAILS
4	C102	LOWER TISHAWNIK ROAD - PLAN & DETAILS

APPROVALS

KARUK TRIBE, DEPARTMENT OF TRANSPORTATION
SANDI TRIPP, DIRECTOR OF TRANSPORTATION

Sandi Tripp 9/16/2015
SIGNED DATE

ENGINEER: GHD
JOSHUA A. WOLF, PE

Joshua A. Wolf 9/16/2015
SIGNED DATE

No	Revision	Drawn	Job Manager	Project Director	Date

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2015.

THIS BAR IS ONE INCH LONG ON ORIGINAL DRAWING.
0 1"



Drawn OFG	Designer DC
Drafting Check JW	Design Check JW
Approved (Project Director) N/A	Date 9/16/2015
Scale AS SHOWN	This Drawing shall not be used for Construction unless Signed and Sealed For Construction

Project	KARUK TRIBE UPPER & LOWER TISHAWNIK ROAD IMPROVEMENTS
Title	COVER SHEET
Project No.	8411059
Original Size	ANSI D
Drawing No:	G001
Sheet	1 of 4
Rev:	0

GENERAL NOTES

- THIS PROJECT REQUIRES A GENERAL ENGINEERING CONTRACTORS LICENSE.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS & SPECIFICATIONS (DATED 2010), AND THE CALTRANS ENCROACHMENT PERMIT ISSUED FOR FOR THIS PROJECT, UNLESS SHOWN OTHERWISE.
- CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-JOB MEETING WITH THE KARUK TRIBE REPRESENTATIVE PRIOR TO CONSTRUCTION.
- QUANTITIES OF ITEMS, LENGTH OF PROJECT, AND SITE CONDITIONS SHOWN IN THE PLANS ARE APPROXIMATE. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE TRIBE, GHD, AND THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, SIGNS, FENCES, AND UTILITIES DURING CONSTRUCTION. ALL DAMAGE SHALL SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE ON HIS BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLIGENCE IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- A SET OF SIGNED WORKING DRAWINGS SHALL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE PUBLIC TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL NOTIFY THE OWNER AND CALTRANS AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK AND SHALL COORDINATE CONSTRUCTION SCHEDULE WITH OWNERS REPRESENTATIVE.
- UNSUITABLE EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS SUCH AS COUNTY GRADING ORDINANCES. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND EXPENSE FOR PROPER DISPOSAL OF UNSUITABLE MATERIALS TAKEN FROM SITE.
- THE DESIGN FEATURES INCLUDING HORIZONTAL AND VERTICAL ALIGNMENTS, TYPICAL SECTIONS, APPROACHES, AND OTHER DESIGN DETAILS SHOWN ON THESE DESIGN PLANS SHALL NOT BE ALTERED OR MODIFIED IN ANY WAY DURING CONSTRUCTION WITHOUT THE EXPRESSED, WRITTEN DIRECTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL READ AND MAKE CAREFUL EXAMINATION OF THE PLANS, QUANTITIES AND MATERIAL ESTIMATES AND VISIT THE SITE OF THE PROPOSED CONSTRUCTION TO BECOME FAMILIAR WITH THE SITE CONDITIONS AND LIMITATIONS BEFORE MAKING A BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ERRORS RESULTING FROM THE FAILURE TO MAKE SUCH AN EXAMINATION. ANY INFORMATION DERIVED FROM THE MAPS, PLANS, SPECIFICATIONS, PROFILES, DRAWINGS OR FROM THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FROM ANY RISK OR FROM FULFILLING THE TERMS OF THE CONTRACT.
- NO WORK SHALL BE PERFORMED OUTSIDE OF THE DESIGNATED CONSTRUCTION LIMITS WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING STAGING AREAS WITH THE KARUK TRIBE.
- UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- THE CONTRACTOR SHALL BE REQUIRED TO SAWCUT OR GRIND, AND TACK COAT THE EXISTING ASPHALT PAVEMENT WHERE OLD ASPHALT IS TO TIE INTO THE NEW ASPHALT PAVEMENT. THE CONTRACTOR SHALL BE REQUIRED TO TAPER THE NEW ASPHALT CONCRETE SURFACING TO MATCH THE EXISTING PAVEMENT SECTION AT TIE-IN POINTS AND TO PROVIDE FOR A SMOOTH TRANSITION AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 72 HOURS IN ADVANCE OF ANY EXCAVATION THAT WILL EXTEND 2 FEET OR DEEPER, AND WILL NOT PROCEED WITH ANY EXCAVATION WORK UNTIL CLEARED TO DO SO BY THE OWNER. A TRIBAL MONITOR OR ARCHAEOLOGIST MAY BE ON SITE DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS ADVISED THAT IF ANY ARCHAEOLOGICAL FINDINGS ARE DISCOVERED DURING CONSTRUCTION THAT THE MONITOR OR ARCHAEOLOGIST HAS THE AUTHORITY TO SLOW OR STOP CONSTRUCTION ACTIVITIES AS THEY DEEM NECESSARY.
- CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED CONSTRUCTION STAKING. STAKING SHALL BE REVIEWED BY OWNER FOR CONFORMANCE TO DESIGN PRIOR TO CONSTRUCTION.

- THE LIMITS OF CLEARING AND GRUBBING SHALL BE AS REQUIRED TO RECONSTRUCT THE ROADWAYS BUT SHALL NOT BE LESS THAN THREE (3) FEET HORIZONTALLY FROM THE EDGE OF ROAD AND FIFTEEN (15) FEET VERTICALLY FROM THE SURFACE OF THE ROAD.
- THE PROPOSED ROADWAY SECTIONS ARE BASED ON SECTION APPROVED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FOR REIMBURSEMENT. ROADWAY GEOMETRY & ALIGNMENT BASED ON PRE-EXISTING CONDITIONS. PROPOSED ROADWAY SECTION, GEOMETRY AND ALIGNMENT IS NOT INTENDED TO MEET A DESIGN STANDARD.
- COMPACTION TESTING WILL BE PERFORMED BY THE OWNER. AS AN ALTERNATIVE TO COMPACTION TESTING (AND AT THE OWNERS SOLE DISCRETION), THE OWNER MAY REQUIRE THE CONTRACTOR TO DEMONSTRATE COMPLIANCE WITH SUBGRADE REQUIREMENTS BY PROOF ROLLING (IN ADDITION TO COMPACTION TESTING) WITH A FULLY LOADED 10 YARD DUMP TRUCK WITH A MINIMUM REAR AXLE LOAD OF 8 TONS OR EQUIVALENT. THE SUBGRADE SURFACE SHOULD PROVIDE A FIRM AND UNYIELDING SURFACE UNDER THE LOAD OF THE DUMP TRUCK.

GRADING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY DURING CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
- ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL EXISTING CONDITIONS.
- ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.

WATER POLLUTION CONTROL NOTES

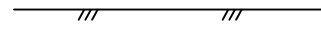
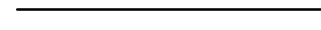

- CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL. CONTRACTOR SHALL USE CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION CONTRACTOR'S GUIDE AND SPECIFICATIONS.
- DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY THE OWNER OR THE OWNERS REPRESENTATIVE TO PREVENT EROSION AND CONTROL SEDIMENT.
- PRIOR TO FINAL ACCEPTANCE AND IF REQUESTED BY THE OWNER, TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED BY THE CONTRACTOR. PERMANENT SITE VEGETATION WILL BE PROVIDED BY THE OWNER.
- AT A MINIMUM, THE CONTRACTOR SHALL EMPLOY THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) AS DESCRIBED IN THE CURRENT CALIFORNIA STORMWATER BMP HANDBOOK FOR CONSTRUCTION:

- EC-1 SCHEDULING
- NS-3 PAVING AND GRINDING OPERATIONS
- NS-9 VEHICLE EQUIPMENT AND FUELING
- WM-1 MATERIALS DELIVERY AND STORAGE
- WM-2 MATERIAL USE
- WM-4 SPILL PREVENTION AND CONTROL
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT

TRAFFIC CONTROL NOTES

- TEMPORARY TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD CURRENT ADDITION).

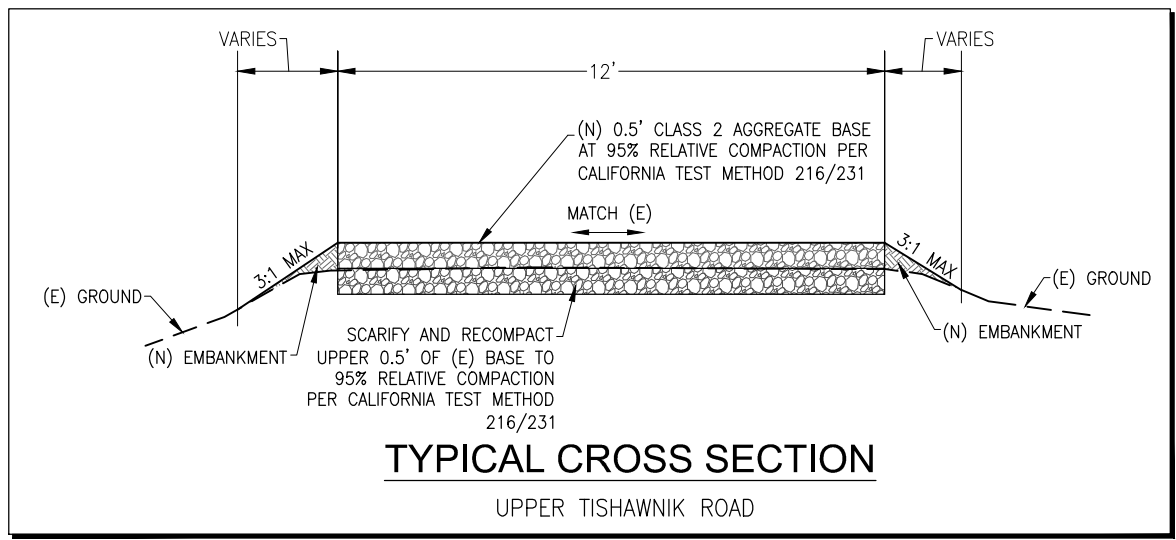
SYMBOLS

-  (N) EDGE OF PAVEMENT
-  (N) EDGE OF GRAVEL ROAD
-  (N) ASPHALT PAVEMENT

ABBREVIATIONS

- (E) EXISTING
- HMA HOT MIX ASPHALT
- (N) NEW

				Reuse of Documents This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2015						 GHD Inc. 718 Third Street Eureka California 95501 USA T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com		Drawn OFG Designer DC Drafting JW Design Check JW Approved (Project Director) N/A Date 9/16/2015		Project KARUK TRIBE UPPER & LOWER TISHAWNIK ROAD IMPROVEMENTS CONSTRUCTION NOTES Title Project No. 8411059 Original Size This Drawing shall not be used for Construction unless Signed and Sealed For Construction Scale NO SCALE		Sheet 2 of 4 Drawing No: G002 Rev: 0	
No	Revision	Drawn	Job Manager	Project Director	Date	THIS BAR IS ONE INCH LONG ON ORIGINAL DRAWING. 0  1"											



SHEET GENERAL NOTES

1. CLASS 2 AGGREGATE BASE SHALL BE 3/4" CONFORMING TO THE CALTRANS STANDARD SPECIFICATIONS (2010), SECTION 26.

ESTIMATED QUANTITIES

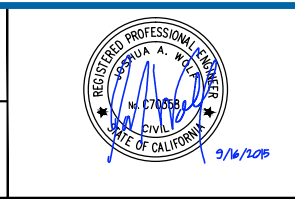
(N) AGGREGATE BASE = 222± CUBIC YARDS



No	Revision	Drawn	Job Manager	Project Director	Date

Reuse of Documents
 This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2015.

THIS BAR IS ONE INCH LONG ON ORIGINAL DRAWING.
 0 1"



GHD
 GHD Inc.
 718 Third Street Eureka California 95501 USA
 T 1 707 443 8326 F 1 707 444 8330
 W www.ghd.com

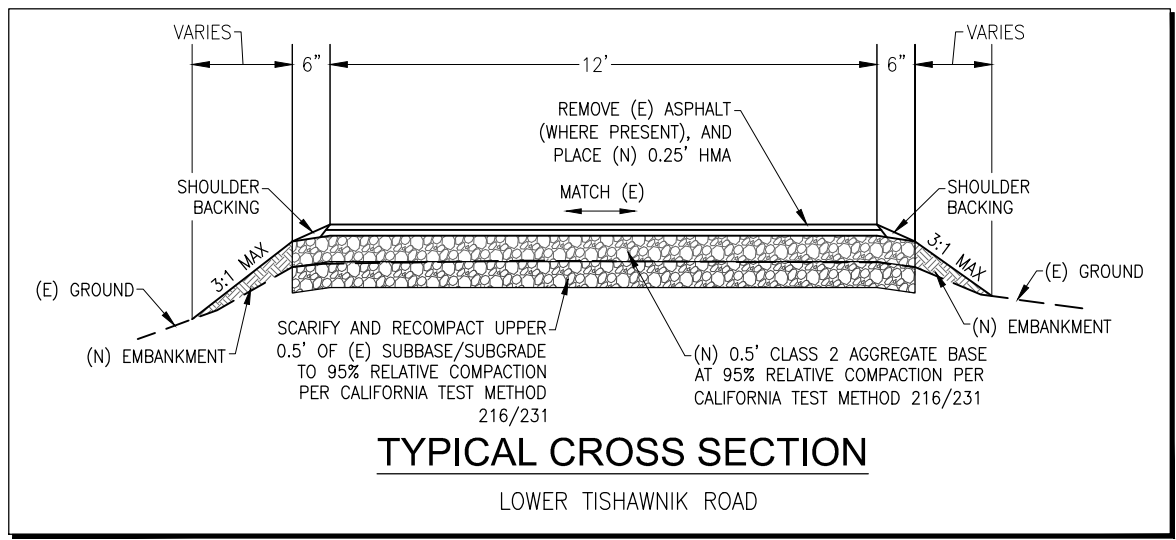
Drawn	OFG	Designer	DC
Drafting Check	JW	Design Check	JW
Approved (Project Director)	N/A		
Date	9/16/2015		
Scale	AS SHOWN		

Project **KARUK TRIBE**
UPPER & LOWER TISHAWNIK ROAD IMPROVEMENTS
 Title **UPPER TISHAWNIK ROAD - PLAN AND DETAILS**

Project No. **8411059**
 Original Size
 Ansi D Drawing No: **C101**

Scale AS SHOWN This Drawing shall not be used for Construction unless Signed and Sealed For Construction

Sheet 3 of 4
 Rev: 0



SHEET GENERAL NOTES

1. CLASS 2 AGGREGATE BASE SHALL CONFORM TO THE CALTRANS STANDARD SPECIFICATIONS (2010), SECTION 26.
2. HOT MIX ASPHALT SHALL BE 3/4" HMA TYPE A, PER CALTRANS STANDARD SPECIFICATIONS (2010), SECTION 39, INSTALLED USING THE METHOD OR STANDARD CONSTRUCTION PROCESS. ASPHALT BINDER SHALL BE PG 64-16.

ESTIMATED QUANTITIES

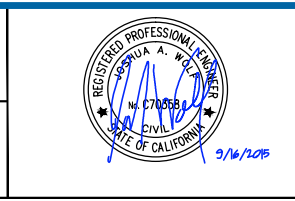
(N) AGGREGATE BASE = 295± CUBIC YARDS
(N) ASPHALT = 305± TONNES.



No	Revision	Drawn	Job Manager	Project Director	Date

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2015.

THIS BAR IS ONE INCH LONG ON ORIGINAL DRAWING.
0 1"



GHD
GHD Inc.
718 Third Street Eureka California 95501 USA
T 1 707 443 8326 F 1 707 444 8330
W www.ghd.com

Drawn OFG	Designer DC
Drafting Check JW	Design Check JW
Approved (Project Director) N/A	Date 9/16/2015
Scale AS SHOWN	This Drawing shall not be used for Construction unless Signed and Sealed For Construction

Project **KARUK TRIBE**
UPPER & LOWER TISHAWNIK ROAD IMPROVEMENTS
Title **UPPER TISHAWNIK ROAD - PLAN AND DETAILS**
Project No. **8411059**
Original Size
Ansi D Drawing No: **C102**
Sheet 4 of 4
Rev: **0**