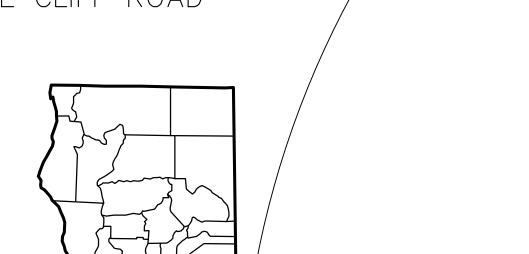
SHEET INDEX

- TITLE SHEET
- INDEX MAP
- NOTES, ABBREVIATIONS & LEGEND
- ROADWAY SECTIONS
- ROADWAY SECTIONS
- ROADWAY SECTIONS
- ROADWAY SECTIONS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- 10. BIG ROCK ROAD
- 11. KNOLL AVENUE
- 12. BRUCE STREET
- 13. ALDERMAN STREET
- 14. GRANITE AVENUE/COMMUNITY CENTER DRIVE
- 15. GULL LAKE ROAD
- 16. GULL LAKE MARINA DRIVE
- 17. HOWARD AVENUE
- 18. CRAWFORD AVENUE
- 19. CRAWFORD AVENUE
- 20. FOSTER AVENUE
- 21. BRENNER STREET
- 22. FOREST ROAD
- 23. FOREST ROAD
- 24. LAKEVIEW DRIVE
- 25. LAKEVIEW DRIVE 26. LEONARD AVENUE
- 27. LEONARD AVENUE/MOUNTAIN VISTA DRIVE
- 28. LYLE TERRACE ROAD
- 29. LYLE TERRACE ROAD
- 30. DREAM MOUNTAIN DRIVE 31. NORTHSHORE DRIVE
- 32. NORTHSHORE DRIVE
- 33. NORTHSHORE DRIVE
- 34. NORTHSHORE DRIVE 35. NORTHSHORE DRIVE
- 36. NORTHSHORE DRIVE
- 37. NORTHSHORE DRIVE
- 38. PINE CLIFF ROAD
- 39. PINE CLIFF ROAD



<u>California</u>

WALKER

BRIDGEPORT

JUNE

LAKE

MAMMOTH

MONO COUNTY

LAKES

COUNTY OF MONO DEPARTMENT OF PUBLIC WORKS

PROJECT PLANS FOR CONSTRUCTION ON JUNE LAKE STREETS REHABILITATION JUNE LAKE, MONO COUNTY, CALIFORNIA LENGTH = 7.9 MILES

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS DATED 2010

PROJECT SITE

BENTON

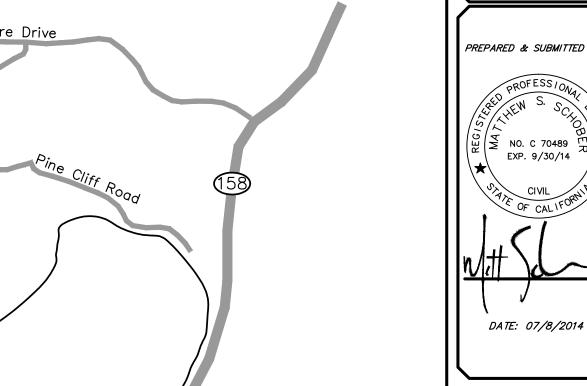
[395]

CHALFANT

VALLEY



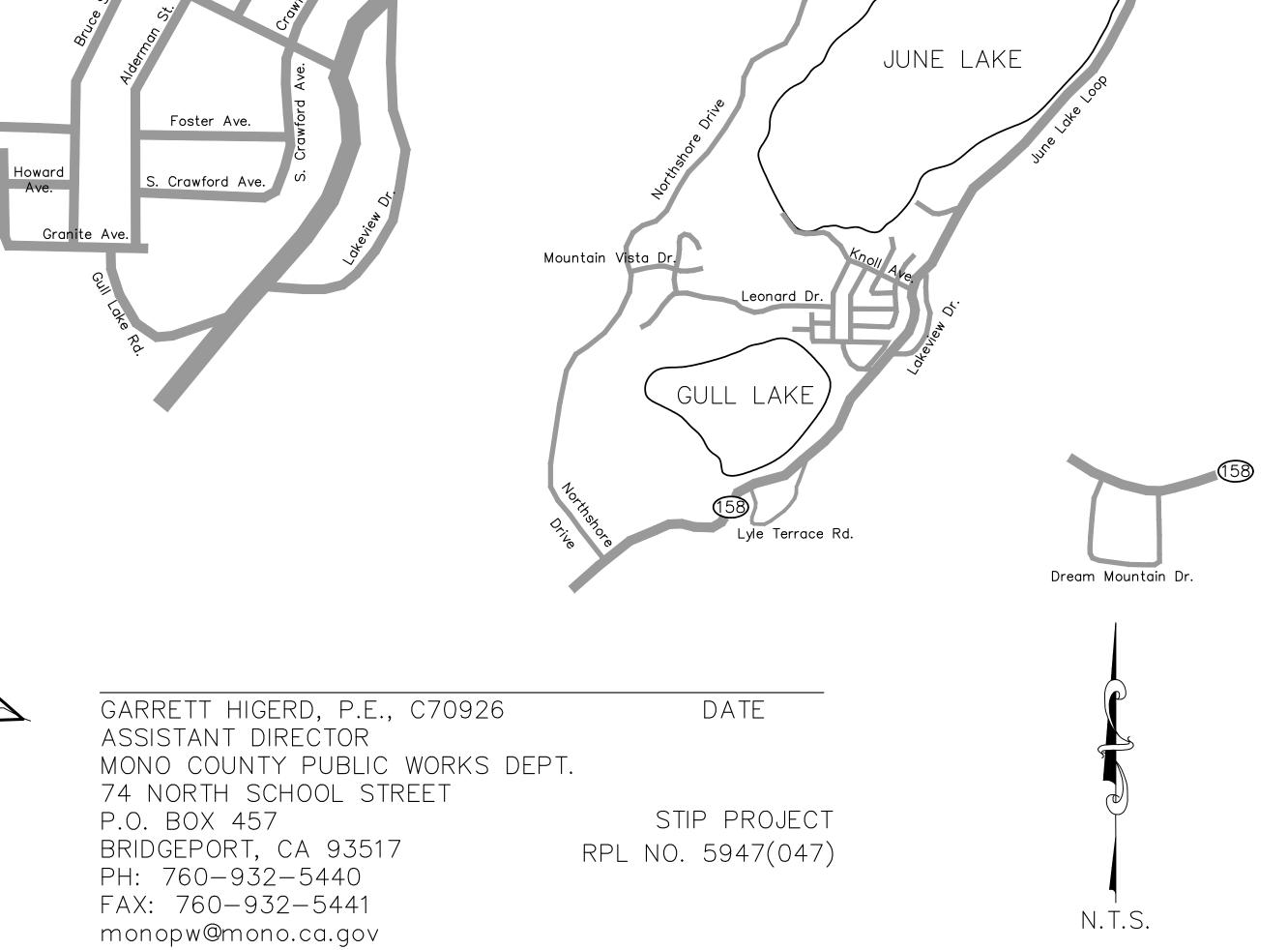




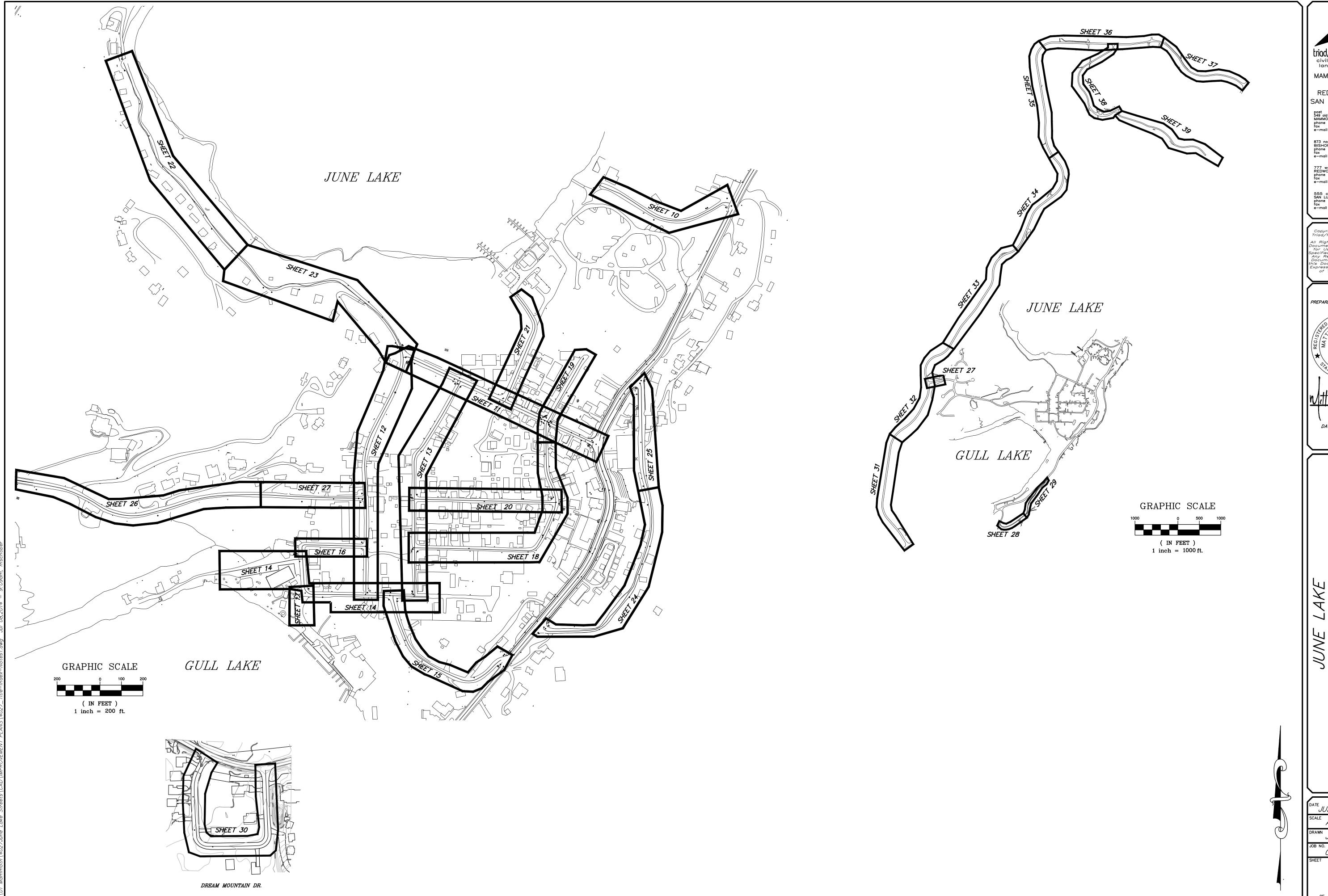
REHABIL

873 north main st. suite 150 BISHOP, ca 93514 phone (760) 873—4273 fax (760) 873—8024 e—mail bishop@thainc.com





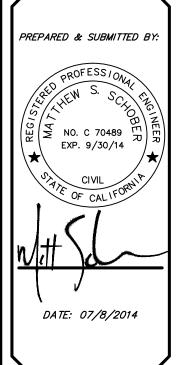
DATE JULY 8, 2014 AS SHOWN ISP/TT 01.4027



triad/holmes assoc.
civil engineering
land surveying MAMMOTH LAKES
BISHOP
REDWOOD CITY
SAN LUIS OBISPO

873 north main st. suite 150 BISHOP, ca 93514 phone (760) 873-4273 fax (760) 873-8024 e-mail bishop@thainc.com 555 chorro st. suite a SAN LUIS OBISPO, ca 93405 phone (805) 544-8908 fax (805) 544-8932 e-mail slo@thainc.com

Copyright (C) 2014 by Triad/Holmes Associates



JULY 8, 2014

SCALE AS SHOWN DRAWN JSP/TT

JOB NO. *01.4027*

GENERAL NOTES:

- 1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE PROJECT SPECIFICATIONS, AND PROJECT PLANS AND CONSTRUCTION DETAILS, THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (CALTRANS 2010) AND SHALL BE SUBJECT TO THE APPROVAL THE ENGINEER. ALL SPECIFICATIONS REFERENCED HEREIN REFER TO THE PROJECT SPECIFICATIONS SECTION UNLESS INDICATED OTHERWISE.
- 2. ANY SIDEWALK, CURB, GUTTERS OR ANY OTHER CONCRETE STRUCTURES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- 3. UTILITY LOCATIONS SHOWN ON THE DRAWING ARE APPROXIMATE. WHERE EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AND ALL AFFECTED UTILITY COMPANIES TO LOCATE ALL BURIED UTILITIES AT LEAST 48 HOURS TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITIES AS REQUIRED BY THE WORK. EXISTING UTILITY TYPE, LOCATION, MATERIAL AND SIZE ARE BASED ON A SEARCH OF EXISTING RECORDS. WHENEVER A CONNECTION TO OR CLEARANCE FROM AN EXISTING UTILITY IS REQUIRED, THE CONTRACTOR SHALL POTHOLE TO VERIFY THE LOCATION, SIZE AND MATERIAL OF THE UTILITY PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING ROADS, BUILDING OR OTHER STRUCTURES RESULTING FROM HIS CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE OWNER.
- 5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THESE DRAWINGS AND THE CONDITIONS EXISTING IN THE FIELD. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE FIGURES BEFORE LAYING OUT THE WORK AND WILL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY. IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER IN A TIMELY MANOR OF ANY APPARENT ERROR OR OMISSION ON THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING WORK INCORRECTLY DONE AT THE CONTRACTOR'S OWN EXPENSE.
- 6. PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT IN THE BID PROPOSAL SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF WORK.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL MANHOLE RIMS AND ANY EXISTING UTILITY COVERS WITHIN THE CONSTRUCTION LIMITS ARE SET TO THE FINISH GRADE ACCORDING TO THE DETAILS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER FOR HIS NEEDS, AS WELL AS STAGING AREA LOCATIONS.
- 9. DURING THE ENTIRE DURATION OF THIS CONSTRUCTION CONTRACT, THE CONTRACTOR SHALL IMPLEMENT STRINGENT DUST CONTROL MEASURES IN ACCORDANCE WITH THE STATE OF CALIFORNIA RULES AND REGULATIONS. THE CONTRACTOR IS REQUIRED TO SUPPRESS DUST AT ALL TIMES, 24 HOURS A DAY, REGARDLESS OF WHEN CONSTRUCTION ACTIVITIES ARE OCCURRING.
- 10. CONSTRUCTION TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT EDITION OF THE CALIFORNIA MUTCD.
- 11. BASE TOPOGRAPHIC SURVEY MAPPING PROVIDED BY TRIAD/HOLMES ASSOCIATES DATED DECEMBER 2013, HORIZONTAL CONTROL: NAD83, CALIFORNIA STATE PLANE ZONE 3. VERTICAL CONTROL: NAVD 88.
- 12. RIGHT OF WAY INFORMATION IS BASED ON RECORD DOCUMENTS AND WAS NOT FIELD VERIFIED.
- 13. CONTRACTOR SHALL PROTECT EXISTING SIGNS, MARKERS AND DELINEATORS AS WELL AS NON-STREET FACILITIES SUCH AS MAILBOXES AND FENCES. SUCH ITEMS SHALL BE REMOVED AND RESET TO ORIGINAL CONDITION IF REQUIRED TO FACILITATE CONSTRUCTION.

TRAFFIC NOTES:

- 1. REFERENCE SECTION "MAINTAINING TRAFFIC/TRAFFIC CONTROL" OF THE TECHNICAL SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DETAILED TRAFFIC CONTROL PLAN, PREPARED BY PROFESSIONAL TRAFFIC OPERATIONS ENGINEER (PTOE) OR A TRAFFIC CONTROL SUPERVISOR (TCS) CERTIFIED BY THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), CONFORMING TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 3. THE CONTRACTOR SHALL MAINTAIN ONE ELEVEN (11) FOOT LANE. AT INTERSECTIONS, MAINTAIN ONE THRU LANE AT ALL TIMES. ONLY ONE SIDE OF AN INTERSECTION MAY BE CLOSED AT ANY ONE TIME.
- 4. THE CONTRACTOR SHALL INSTALL AND MAINTAIN NECESSARY TEMPORARY PEDESTRIAN & SAFETY CONTROL DEVICES.
- 5. THE CONTRACTOR SHALL PROVIDE TEMPORARY HOT/COLD MIX (OR AC GRINDINGS WHERE APPROVED BY THE ENGINEER) RAMPS AT DRIVEWAYS, ALLEYS, INTERSECTIONS AND AT THE BEGINNING AND ENDING OF GRADE DROP-OFFS WITHIN THE TRAVEL LANE. RAMPS SHALL BE SUFFICIENTLY SLOPED TO ELIMINATE HAZARDOUS DRIVING CONDITIONS AND SHALL BE NO STEEPER THAN 5%. (NO DIRECT PAYMENT)
- 6. THE CONTRACTOR SHALL CONSTRUCT SAFETY SLOPES WHERE PUBLIC TRAFFIC IS EXPOSED TO DROP-OFFS GREATER THAN 1.8 INCHES DURING NON-WORKING HOURS. PORTABLE DELINEATORS SHALL BE PLACED AT ALL DROP-OFF LOCATIONS AND BARRIER RAILS (K-RAILS) SHALL BE PLACED WHERE DROP-OFFS EXCEED 18 INCHES. (NO DIRECT PAYMENT)

GEOTECHNICAL NOTES:

REFER TO REPORT TITLED "GEOTECHNICAL PAVEMENT DESIGN RECOMMENDATIONS, JUNE LAKE STREETS REHABILITATION PROJECT" DATED JANUARY 31, 2014 PREPARED BY SIERRA GEOTECHNICAL SERVICES, INC. FOR ASPHALT CORING AND SOILS INFORMATION. SAID REPORT SHALL BE CONSIDERED A PART OF THESE PLANS.

CALTRANS STANDARD PLANS DATED 2010

A10A ABBREVIATIONS
A10B ABBREVIATIONS
A20A PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
A20B PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
A24D PAVEMENT MARKINGS — WORDS
A73A MARKERS
A73B MARKERS
A87A CURBS AND DRIVEWAYS
A87B HOT MIX ASPHALT DIKES
A88A CURB RAMP DETAILS
RS1 ROADSIDE SIGNS TYPICAL INSTALLATION DETAILS NO. 1
RS2 ROADSIDE SIGNS WOOD POST TYPICAL INSTALLATION DETAILS NO. 2

ROADSIDE SIGNS TYPICAL INSTALLATION DETAILS NO. 4

ABBREVIATIONS

(IN ADDITION TO STANDARD PLANS A10A AND A10B) ANGLE POINT APP. APPROACH BACK OF WALK CMP CORRUGATED METAL PIPE DRIVEWAY EXISTING GRADE EXISTING FLARED END SECTION FLOW LINE HIGH POINT INSTALL LOW POINT MAXIMUM DRY DENSITY MANUFACTURER NOT TO SCALE

M.D.D. MAXIMUM DRY DENSITY
MFR. MANUFACTURER
N.T.S. NOT TO SCALE
PERF. PERFORATED
PULV. PULVERIZE
R RADIUS, RIGHT
R&R REMOVE & REPLACE
REM REMOVE
SS SANITARY SEWER
SSMH SANITARY SEWER MANHOLE
U.N.A. UNLESS NOTED OTHERWISE
W WATER
WV WATER VALVE

LEGEND

PROPOSED FEATURES

____..._

LIMITS OF PAVING

CONCRETE CROSS GUTTER

EXISTING SEWER MANHOLE

HMA DRIVEWAY TRANSITION

triod/holmes assoc.
civil engineering land surveying

MAMMOTH LAKES
BISHOP
REDWOOD CITY
SAN LUIS OBISPO

post office box 1570
549 old mammoth rd., ste. 202
MAMMOTH LAKES, ca 93546
phone (760) 934-7588
fax (760) 934-5619
e-mail triad@thainc.com

873 north main st. suite 150
BISHOP, ca 93514
phone (760) 873-4273
fax (760) 873-8024
e-mail bishop@thainc.com

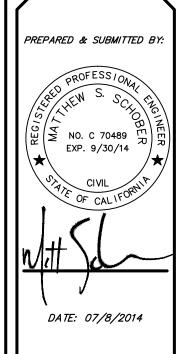
777 woodside rd. suite a REDWOOD CITY, ca 94061 phone (650) 366-0216 fax (650) 366-0298 e-mail sf@thainc.com

555 chorro st. suite a SAN LUIS OBISPO, ca 93405 phone (805) 544-8932 e-mail slo@thainc.com

Copyright (C) 2014 by
Triad/Holmes Associates.

All Rights Reserved. This
Document is Intended Only
for Use on the Project
Specified in the Title Block.

Any Reproduction of this
Document or Portions of
his Document, Without the
Expressed Written Consent
of Triad/Holmes is
Prohibited.



JUNE LAKE REHABILITATION PROJECT ABBREVIATIONS, NOTES

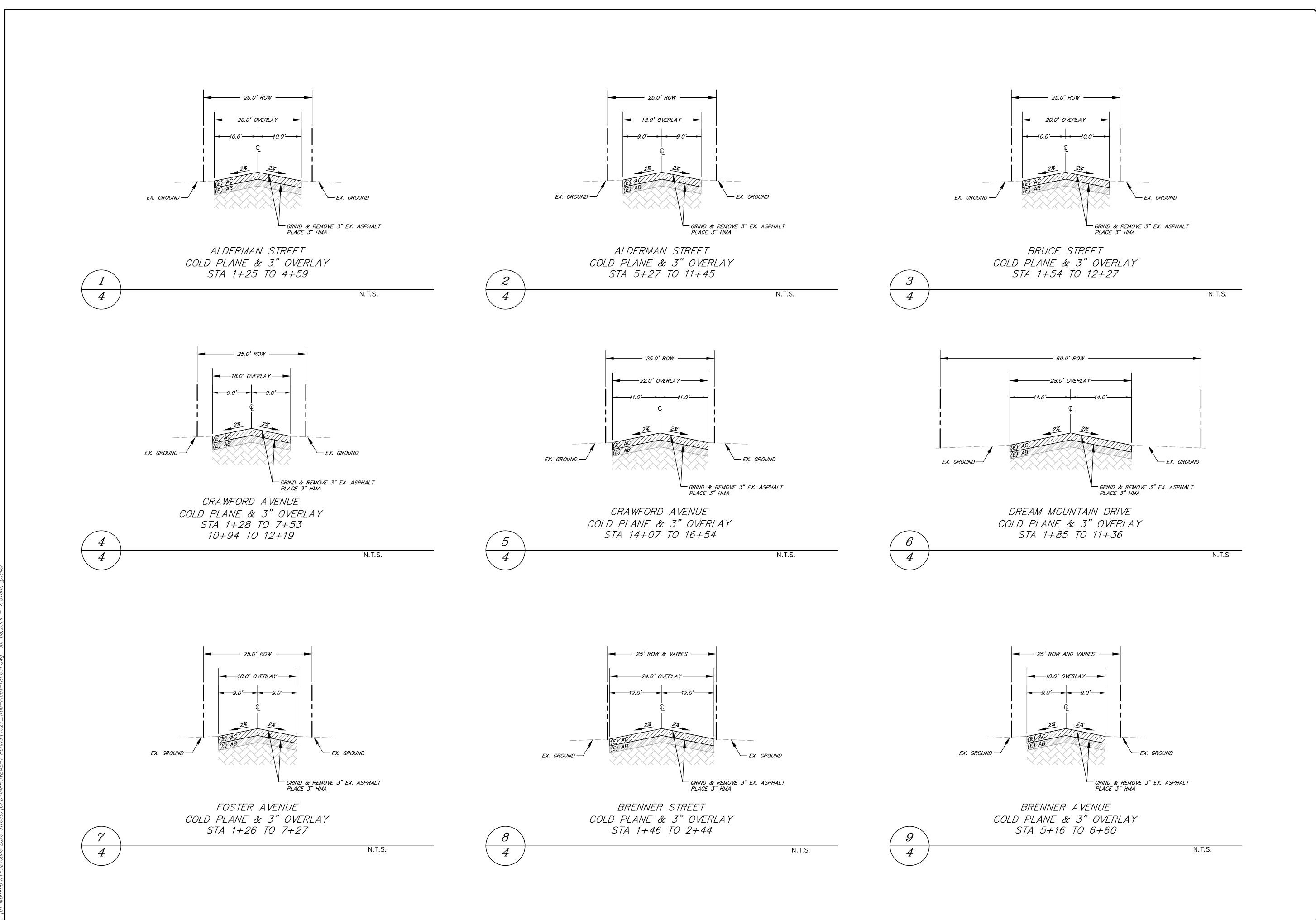
> STREE LEGEN

DATE JULY 8, 2014

SCALE AS SHOWN

DRAWN JSP/TT

01.4027 T



triod/holmes assoc.
civil engineering land surveying

MAMMOTH LAKES
BISHOP
REDWOOD CITY
SAN LUIS OBISPO

post office box 1570
549 old mammoth rd., ste. 202
MAMMOTH LAKES, ca 93546
phone (760) 934–7588
fax (760) 934–7588
fax (760) 934–5619
e-mail triad@thainc.com

873 north main st. suite 150
BISHOP, ca 93514
phone (760) 873–8024
e-mail bishop@thainc.com

777 woodside rd. suite a
REDWOOD CITY, ca 94061
phone (850) 366–0216
fax (850) 366–0298
e-mail sf@thainc.com

555 chorro st. suite a
SAN LUIS OBISPO, ca 93405
phone (805) 544–8908
fax (805) 544–8908

Copyright (C) 2014 by
Triad/Holmes Associates.

All Rights Reserved. This
ocument is Intended Only
for Use on the Project
becified in the Title Block.
Any Reproduction of this
Document or Portions of
inits Document, Without the
xpressed Written Consent
of Triad/Holmes is
Prohibited.

PREPARED & SUBMITTED BY:

PROFESS/ONAL PROPERTY OF CALLFORNIA DATE: 07/8/2014

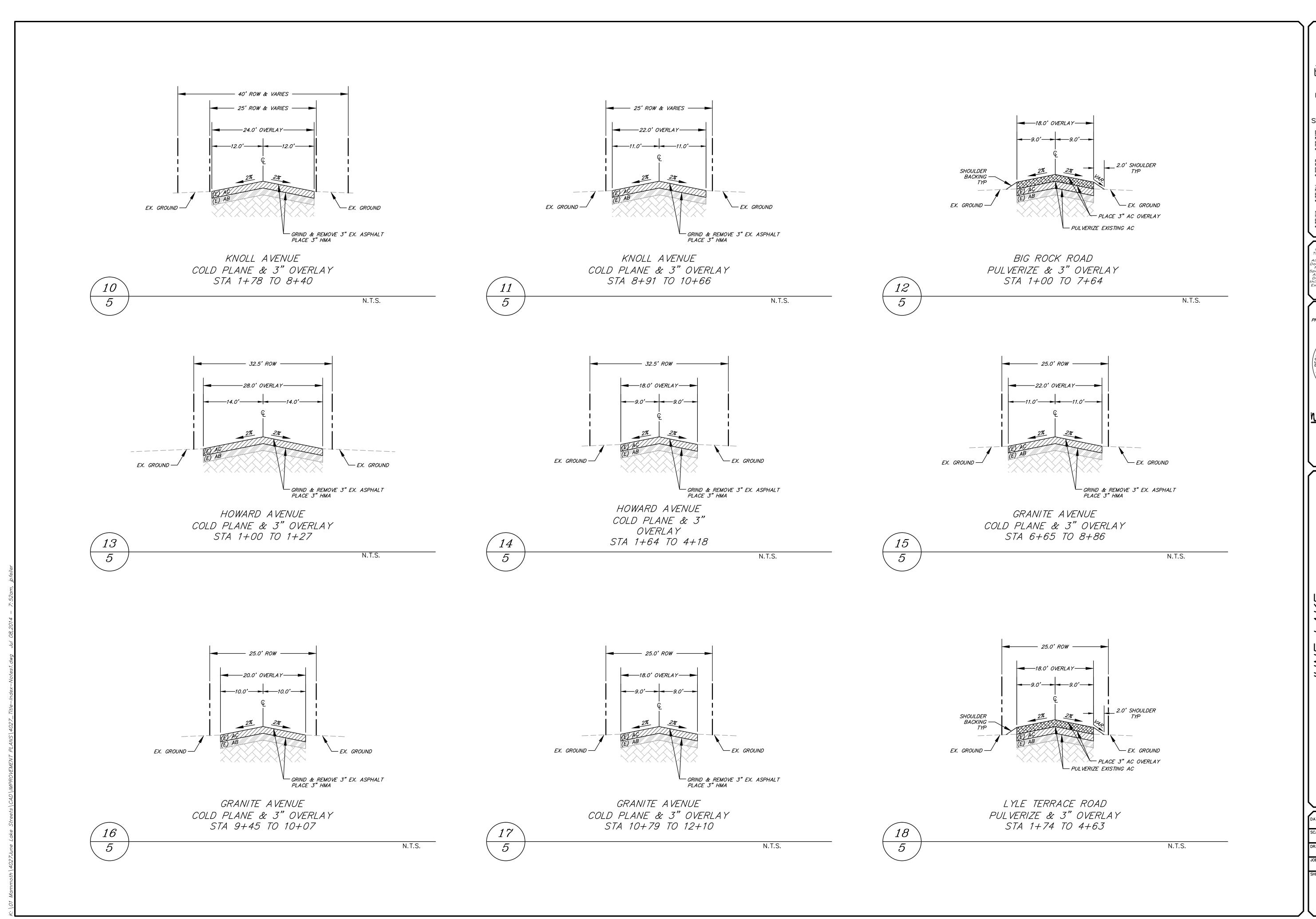
HABILITATION PROJE

DATE JULY 8, 2014

SCALE AS SHOWN

DRAWN JSP/TT

01.4027 ET **4**



Lriad/holmes assoc.
civil engineering land surveying

MAMMOTH LAKES
BISHOP
REDWOOD CITY
SAN LUIS OBISPO

post office box 1570
549 old mammoth rd., ste. 202
MAMMOTH LAKES, ca 93546
phone (760) 934-7588
fax (760) 934-7588
fax (760) 934-7589
e-mail triad@thainc.com

873 north main st. suite 150
BISHOP, ca 93514
phone (760) 873-8024
e-mail bishop@thainc.com

777 woodside rd. suite a
REDWOOD CITY, ca 94061
phone (650) 366-0216
fax (650) 366-0298
e-mail sibhop@thainc.com

555 chorro st. suite a
SAN LUIS OBISPO, ca 93405
phone (805) 544-8908
fax (805) 544-8908
fax (805) 544-8932
e-mail slo@thainc.com

Copyright (C) 2014 by
Triad/Holmes Associates.

All Rights Reserved. This
Document is Intended Only
for Use on the Project
Specified in the Title Block.
Any Reproduction of this
Document or Portions of
this Document, Without the
Expressed Written Consent
of Triad/Holmes is
Prohibited.

PREPARED & SUBMITTED BY:

PREPARED & SUBMITTED BY:

CIVIL

REPARED & SUBMITTED BY:

NO. C 70489 FR EXP. 9/30/14

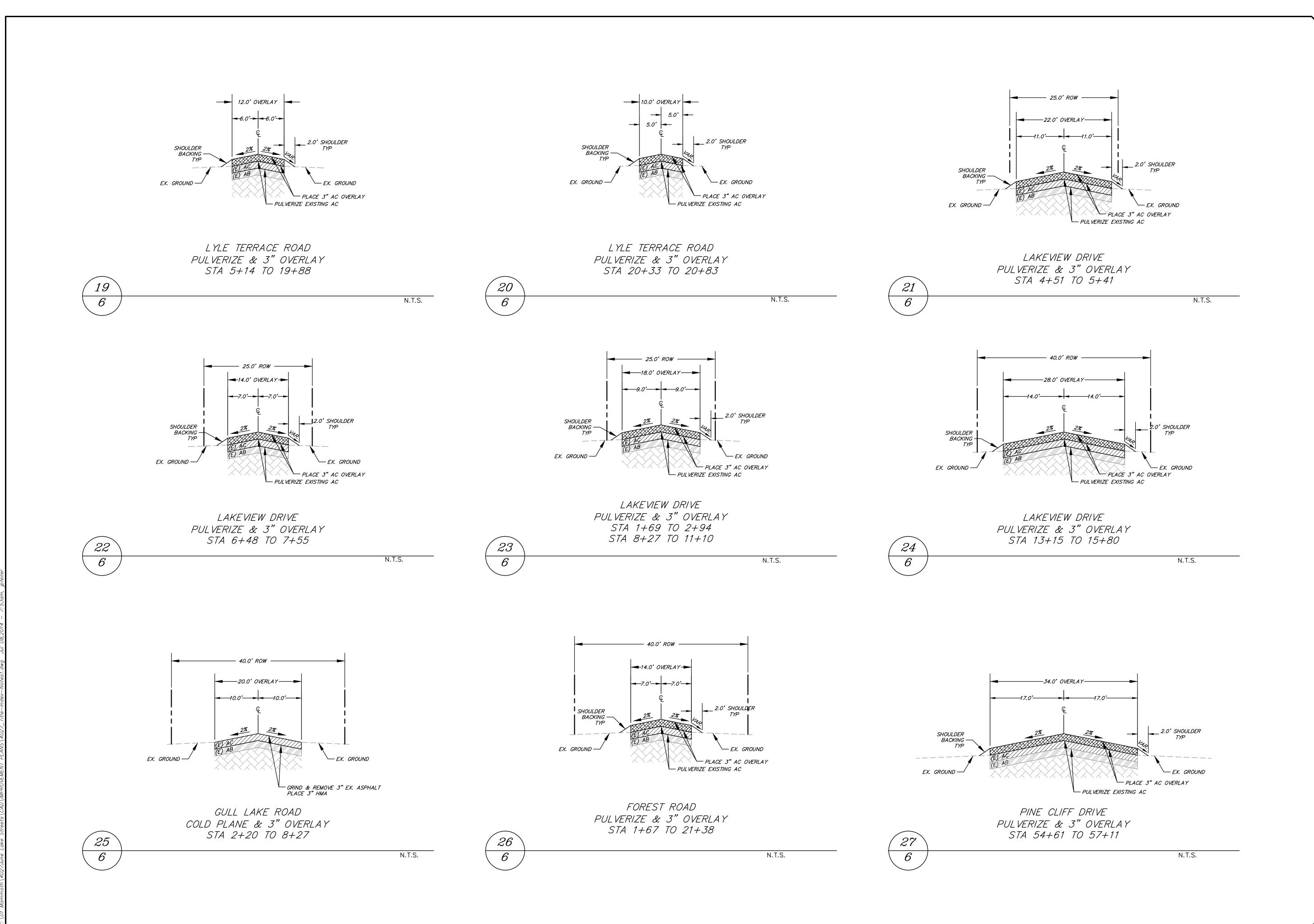
HABILITATION PA

DATE JULY 8, 2014

SCALE AS SHOWN

DRAWN JSP/TT

01.4027 ET 5



Lriod/holmes assoc.

civil engineering land surveying

MAMMOTH LAKES

BISHOP

REDWOOD CITY

SAN LUIS OBISPO

post office box 1570
549 old mammoth rd., ste. 202

MAMMOTH LAKES, ca 93546
phone (760) 934-7588
fax (760) 934-5619
e-mail triad@thainc.com

873 north main st. suite 150
BISHOP, ca 93514
phone (760) 873-4273
fax (760) 873-6029
e-mail bishop@thainc.com

Copyright (C) 2014 by
Triad/Holmes Associates.

All Rights Reserved. This
Document is Intended Only
for Use on the Project
Specified in the Title Block.
Any Reproduction of this
Document or Portions of
his Document, Without the
Expressed Written Consent
of Triad/Holmes is
Prohibited.

PREPARED & SUBMITTED BY:

PROFESS/ONAL PROFE

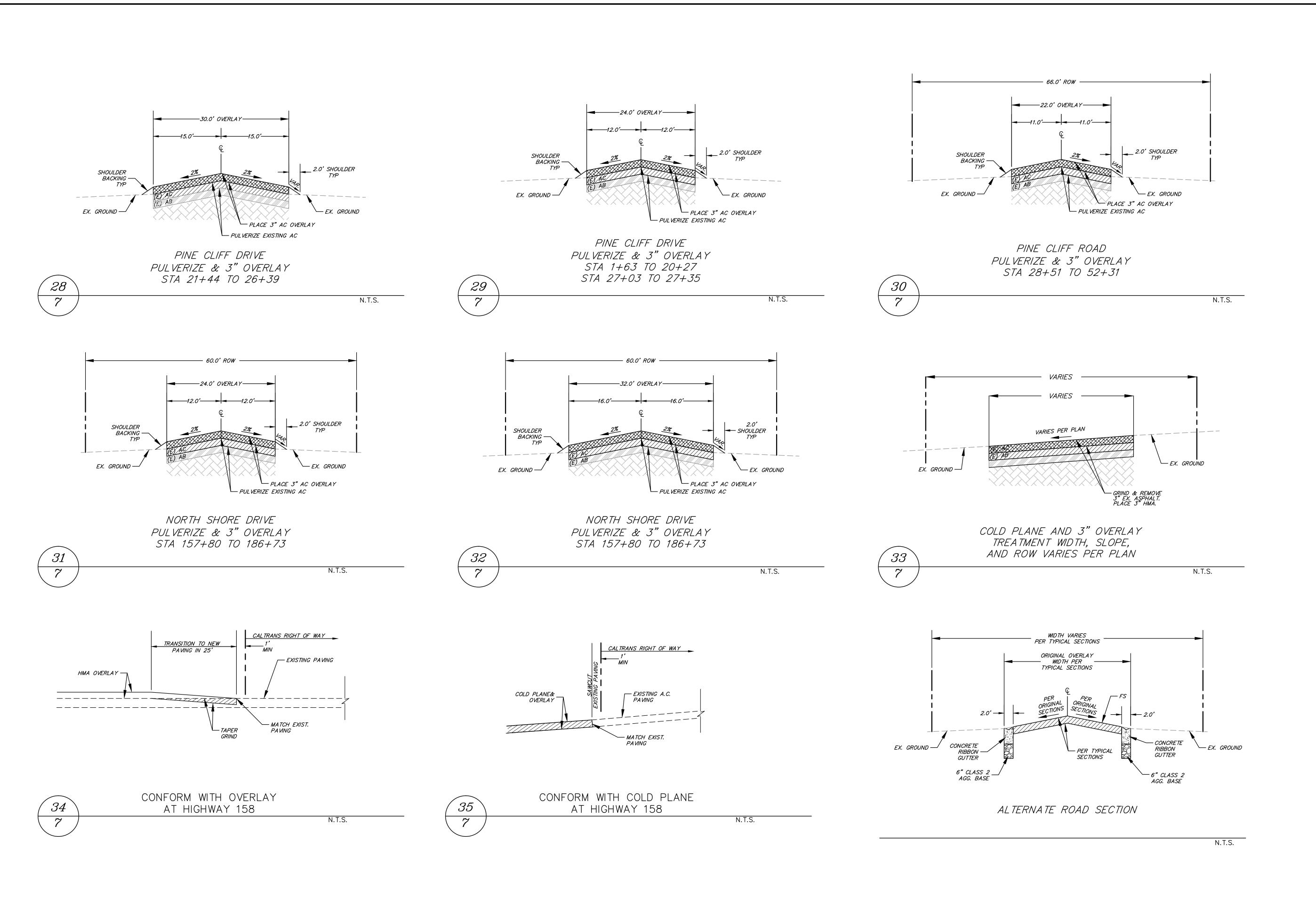
EHABILITATION PROJE

DATE JULY 8, 2014

SCALE AS SHOWN

DRAWN JSP/TT

NO. 01.4027 ET



Lriad/holmes assoc civil engineering land surveying MAMMOTH LAKES BISHOP REDWOOD CITY SAN LUIS OBISPO post office box 1570 549 old mammoth rd., ste. 202 MAMMOTH LAKES, ca 93546 phone (760) 934-7588 fax (760) 934-5619 e-mail triad@thainc.com 873 north main st. suite 150 BISHOP, ca 93514 phone (760) 873-4273 fax (760) 873-4273 fax (760) 873-4273 fax (760) 873-8024 e-mail bishop@thainc.com

Copyright (C) 2014 by
Triad/Holmes Associates.

All Rights Reserved. This
Document is Intended Only
for Use on the Project
ipecified in the Title Block.

Any Reproduction of this
Document or Portions of
his Document, Without the
Expressed Written Consent
of Triad/Holmes is
Prohibited.

PROFESSIONAL PROFESSIONAL PROFESSIONAL PROFESSIONAL PROPERTY OF CALIFORNIA DATE: 07/8/2014

JNE LAKE HABILITATION PROJEC

STREE

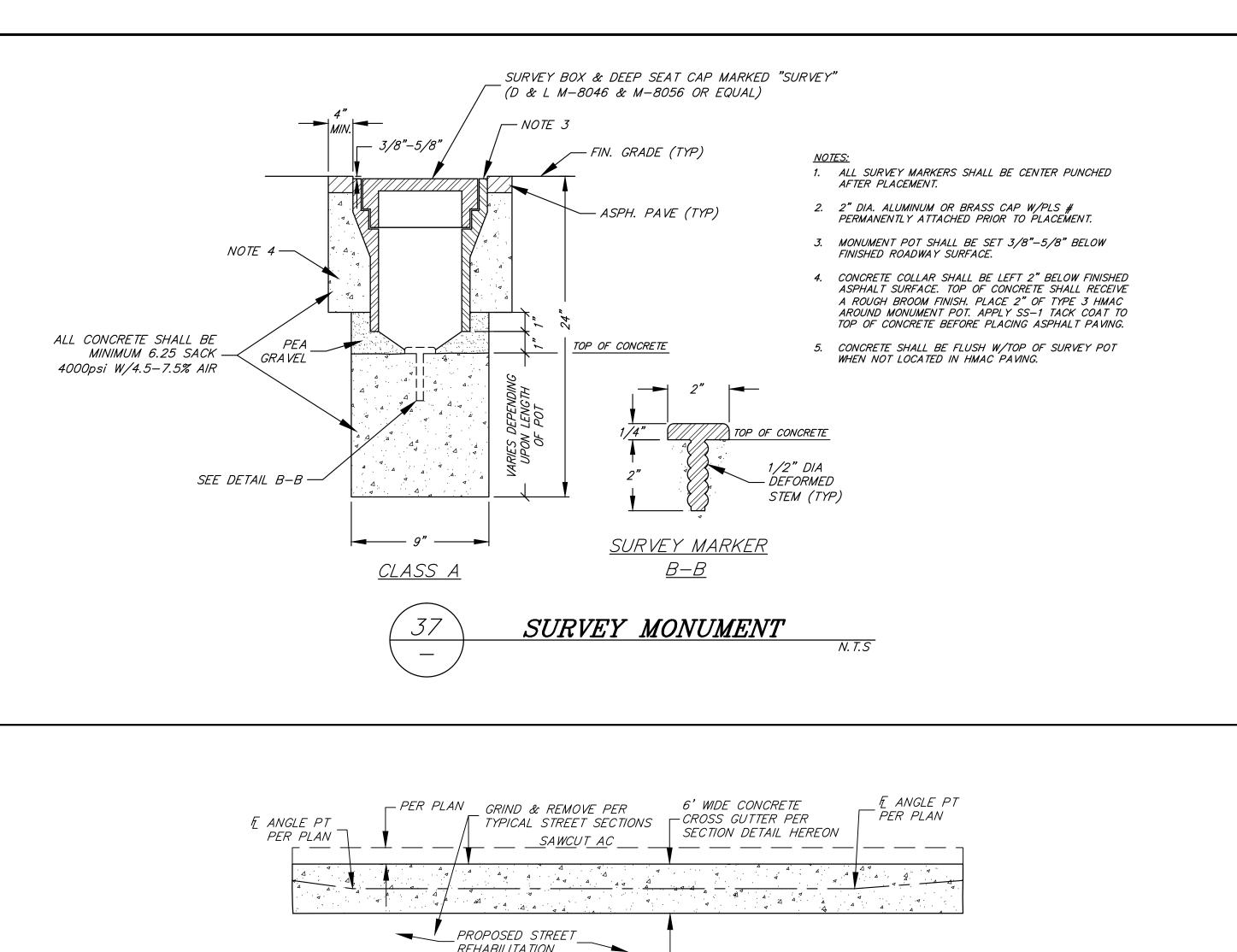
DATE JULY 8, 2014

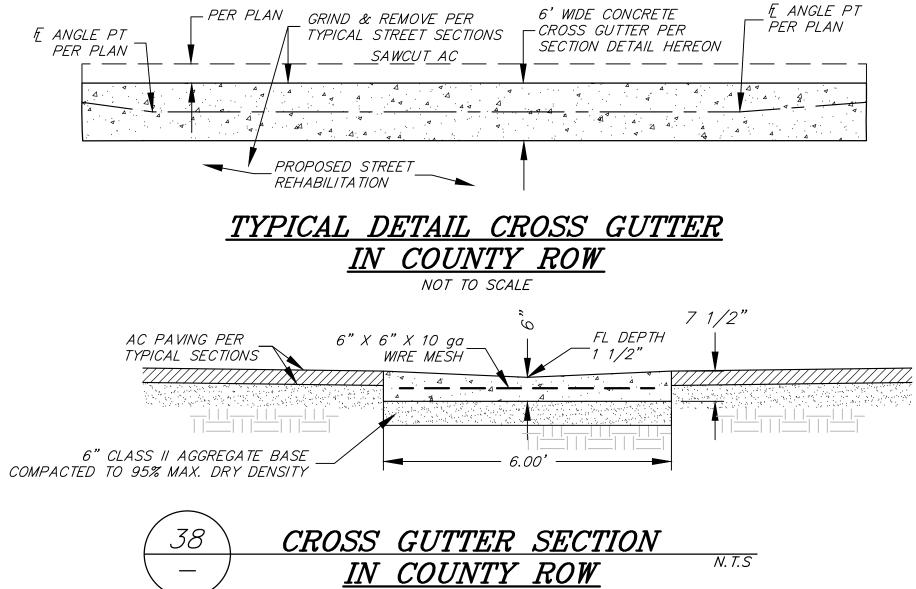
SCALE AS SHOWN

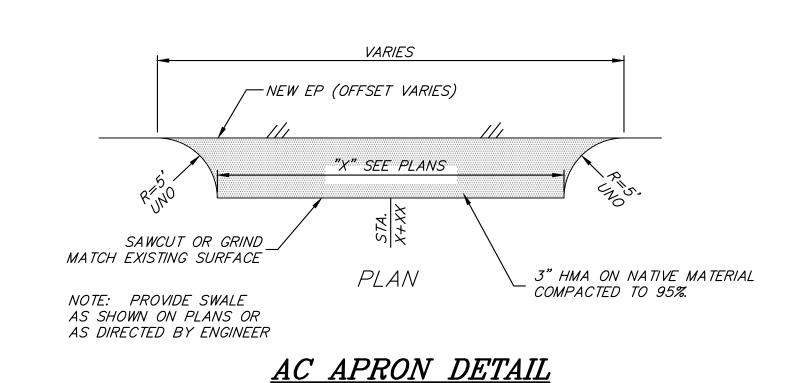
DRAWN JSP/TT

NO. 01. 4027

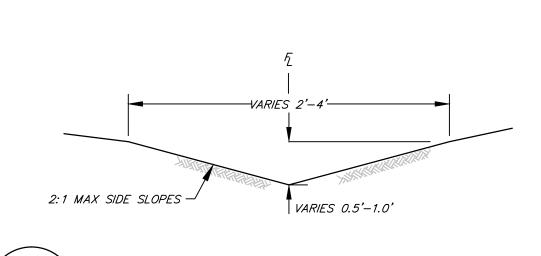
7 of 39 sheets



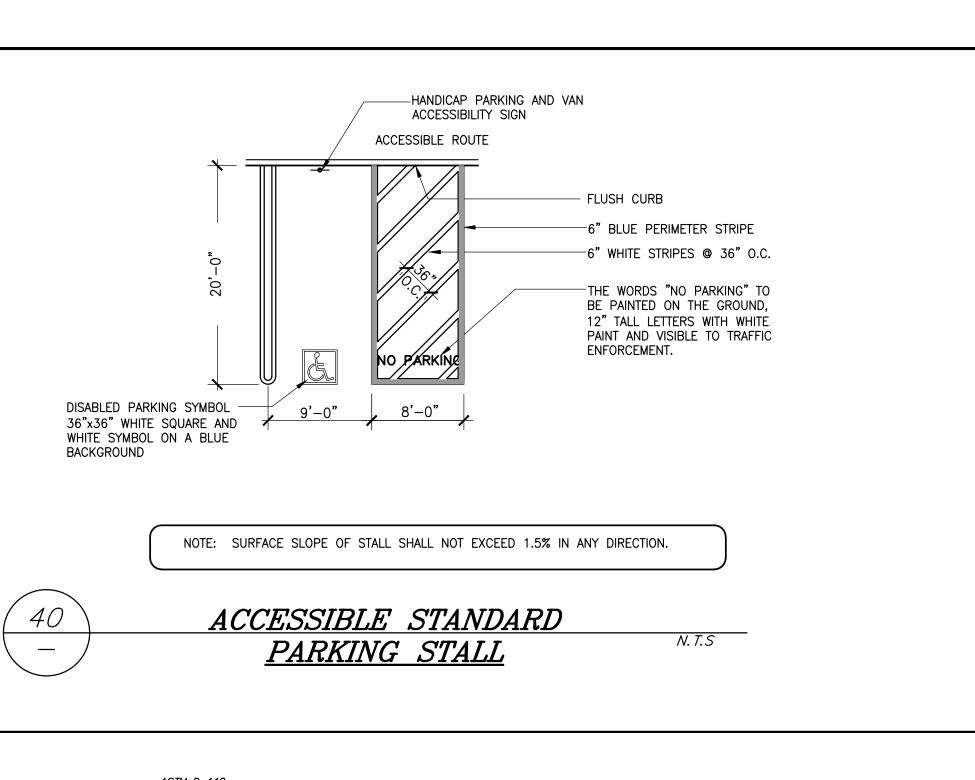


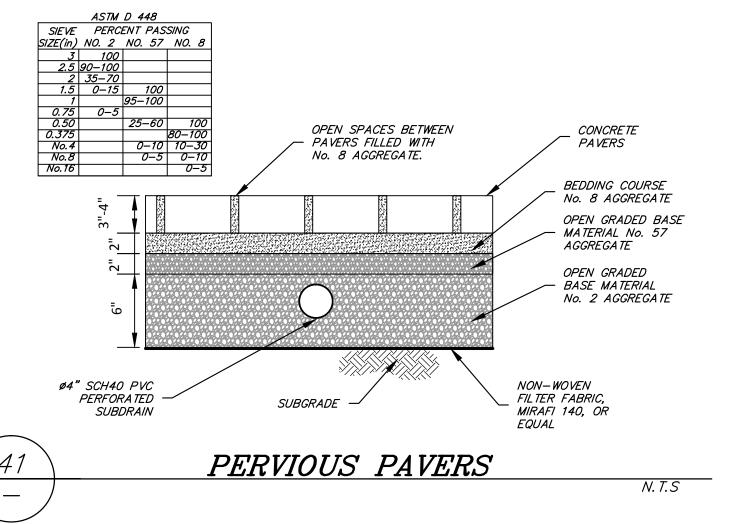


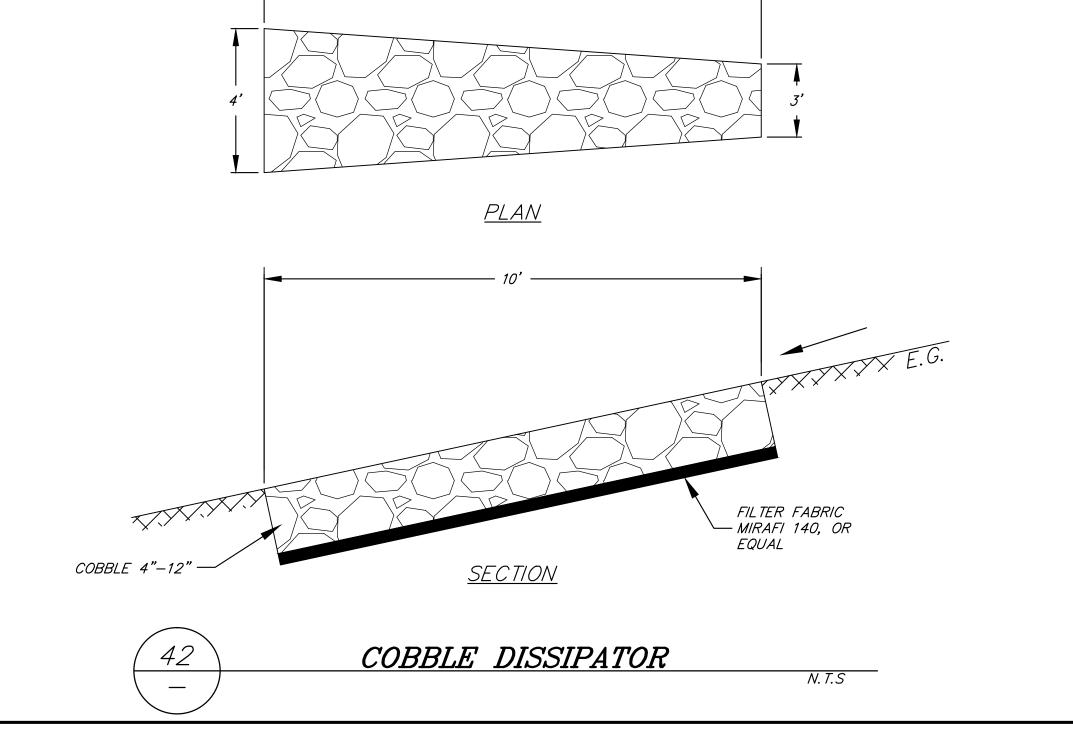
NOT TO SCALE













STREETS REHABILITATION PROJECT
CONSTRUCTION DETAILS

DATE JULY 8, 2014

SCALE AS SHOWN

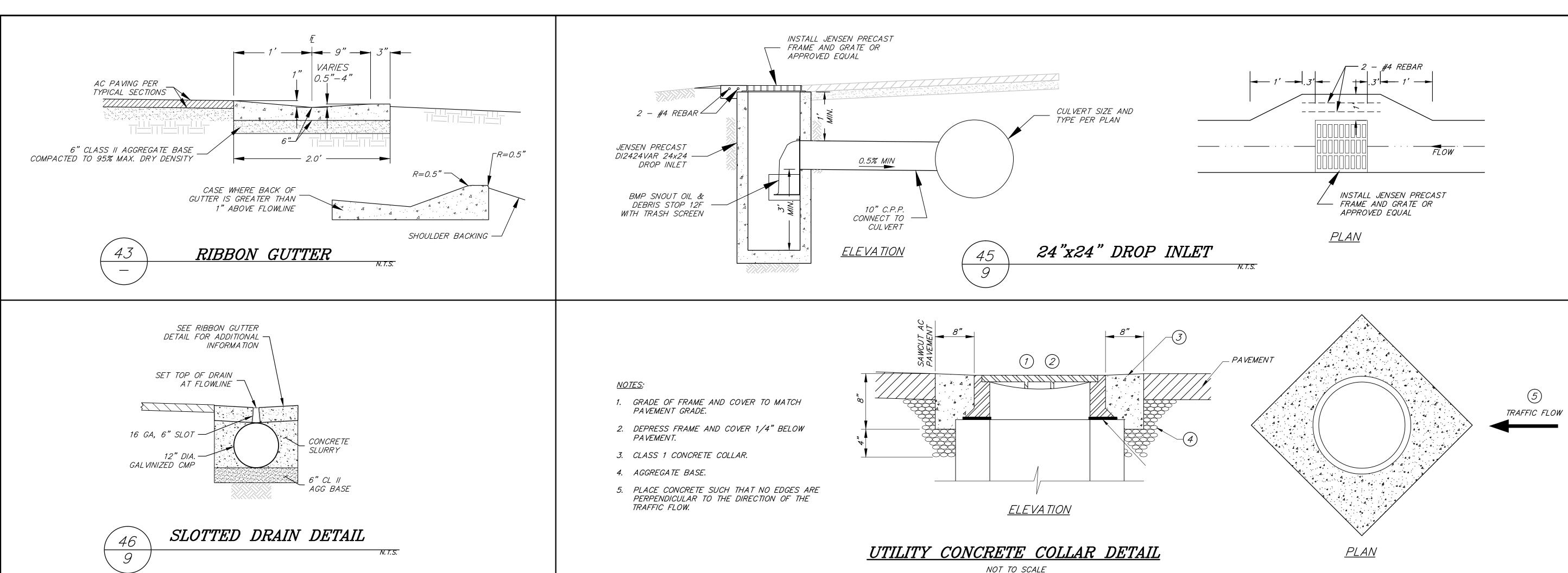
DRAWN JSP/TT

JOB NO.

01.4027

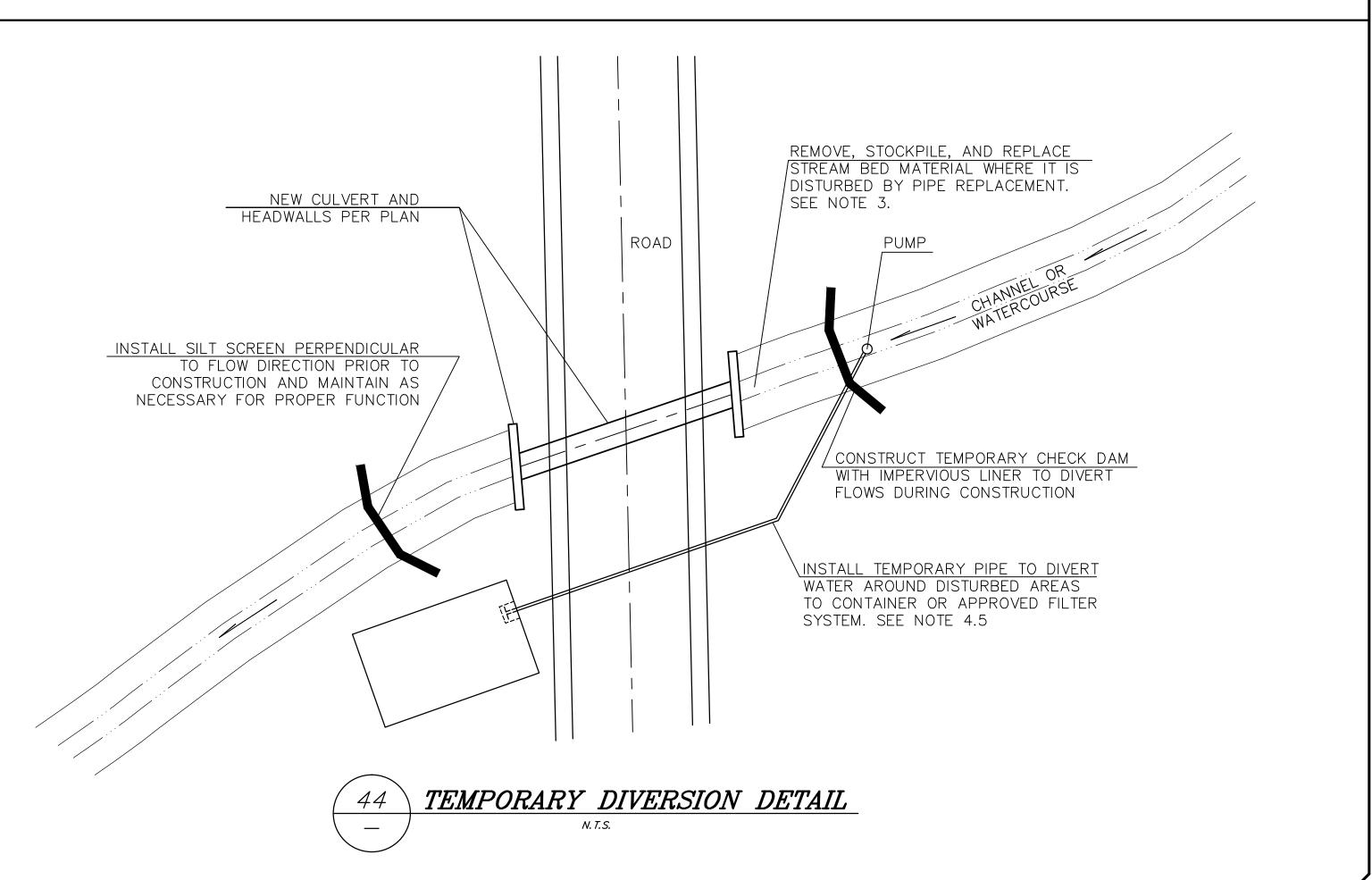
SHEET

8of **39** sheets



WATER DIVERSION NOTES:

- 1. AT THE TIME OF CONSTRUCTION (SEPTEMBER) THE FLOW IN THE CONNECTION BETWEEN JUNE LAKE AND GULL LAKE IS EXPECTED TO DRY WITH NO FLOWING WATER. IF FLOW OCCURS DUE TO AN UNEXPECTED RUNOFF EVENT, IT MUST BE DIVERTED AROUND THE PROJECT AREA IN A PIPE IN ORDER TO ALLOW AS LITTLE CONTACT WITH DISTURBED SOIL AS POSSIBLE.
- 2. ALL BMPS SHALL BE INSTALLED PER THE SWPPP PRIOR TO CONSTRUCTION.
- 3. STREAMBED DISTURBANCE SHALL BE LIMITED. PRIOR TO CONSTRUCTION, PLACE FENCING AT LIMIT OF CONSTRUCTION. REMOVE, STOCKPILE AND REPLACE STREAM BED MATERIAL WHERE IT IS DISTURBED BY GRADING.
- 4. IN THE EVENT OF A RUNOFF EVENT:
- 4.1. WORK SHALL BE STOPPED IN CHANNELS AND ON PIPES.
- 4.2. ALL EXPOSED SURFACES SHALL BE PROTECTED WITH MATTING, OR OTHER APPROVED METHODS.
- 4.3. WADDLES SHALL BE PLACED AT LIMITS OF DISTURBED SOILS,
- 4.4. A PUMP SHALL BE PLACED IN UPSTREAM CHANNEL.
- 4.5. A PIPE CONNECTED TO THE PUMP SHALL BE DIRECTED INTO A CONTAINER (E.G. WATER TRUCK) THAT IS TAKEN TO AN APPROVED LOCATION FOR DISPOSAL, OR A SEDIMENT FILTER BAG CAN BE USED AS AN ALTERNATIVE TO HAULING WATER OFF—SITE, IF IT IS PLACED IN A LOCATION THAT IS ALREADY DISTURBED.
- 4.6. AN IMPREVIOUS LINER SHALL BE PLACE AT THE LOCATION OF THE PUMP, SO THE PUMP DOES NOT DISTURB THE CHANNEL. IT SHALL BE WEIGHTED DOWN WITH WASHED ROCKS LARGE ENOUGH NOT TO BE AFFECTED BY THE FLOW.
- 4.7. THE PUMP SHALL BE TURNED ON, MAKING SURE NOT TO DISTURB THE CHANNEL.
- 4.8. GRAVEL BAGS SHALL BE PLACED TO CREATE A CHECK DAM.
- 4.9. THIS DIVERSION SHALL REMAIN IN PLACE UNTIL THE RUNOFF STOPS.
- 4.10. NO CONSTRUCTION SHALL BE PERFORMED DURING THE RUNOFF EVENT EXCEPT AS DIRECTED BY THE ENGINEER, AND AS CAN BE PERFORMED WITHOUT THE PRODUCTION OF SEDIMENT, OR DISTURBANCE OF THE CHANNEL.
- 5. THE DISTURBANCE OF STREAM BED MATERIAL SHALL BE AVOIDED.
- 6. FOLLOWING APPROVAL BY THE COUNTY, THE WATER DIVERSION SYSTEM SHALL BE REMOVED. THERE SHALL BE NO DISTURBANCE OF THE CHANNEL DURING THESE PROCEDURES.



Lriad/holmes assoc.
civil engineering land surveying

MAMMOTH LAKES
BISHOP
REDWOOD CITY
SAN LUIS OBISPO

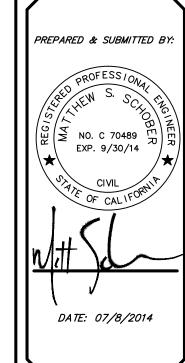
post office box 1570
549 old mammoth rd., ste. 202
MAMMOTH LAKES, ca 93546
phone (760) 934-7588
fax (760) 934-5619
e-mail triad@thainc.com

873 north main st. suite 150
BISHOP, ca 93514
phone (760) 873-8024
e-mail bishop@thainc.com

777 woodside rd. suite a
REDWOOD CITY, ca 94061
phone (850) 366-0216
fax (850) 366-0216
fax (850) 366-0298
e-mail sf@thainc.com

Copyright (C) 2014 by Triad/Holmes Associates.

All Rights Reserved. This Document is Intended Only for Use on the Project Specified in the Title Block. Any Reproduction of this Document or Portions of this Document, Without the Expressed Written Consent of Triad/Holmes is Prohibited.



JUNE LAKE STREETS REHABILITATION PROJECT CONSTRUCTION DETAILS

DATE JULY 8, 2014
SCALE AS SHOWN
DRAWN JSP/TT

O1.4027
SHEET