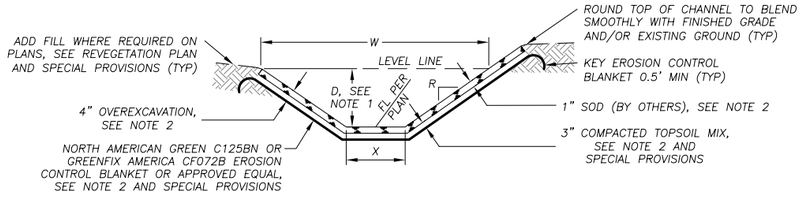


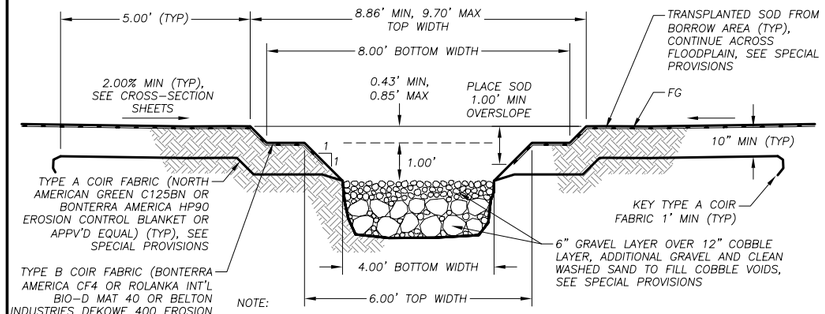
PLAN SHEET	LOCATION	LF	TOP WIDTH, W	BOTTOM WIDTH, X	DEPTH, D	SLOPE RATIO, R
P–1	LTB 49+59 LT	44	8.00' TO 6.00'	2.00' TO 6.00'	1.50' TO DAYLIGHT	2:1
P–3	USFS LOTS	103'	9.00' TO 6.00'	---	1.50' TO DAYLIGHT	2:1

NOTES:

1. "D" DEPICTS MIN REQUIRED DEPTH OF CHANNEL. FINISHED TOP WIDTH AND SIDE SLOPE HEIGHT MAY VARY DEPENDING ON EXISTING TERRAIN. SEE PLANS AND CROSS–SECTION SHEETS FOR GRADING LIMITS.
2. FOR GLS ON USFS LOTS APN 33–531–06 AND APN 33–531–07, ONLY SALVAGED SOD SHALL BE USED. SOD "MAT" SHALL BE APPROXIMATELY 4" THICK. EROSION CONTROL BLANKET AND 3" TOPSOIL IS NOT REQUIRED. SATURATE SUBGRADE PRIOR TO SOD PLACEMENT, SEE SPECIAL PROVISIONS.
3. DIMENSIONS SPECIFIED ARE TO BE MEASURED FROM TOP OF SOD.
4. SEE SPECIAL PROVISIONS FOR OVEREXCAVATION, TOPSOIL MIX, AND COMPACTION REQUIREMENTS.

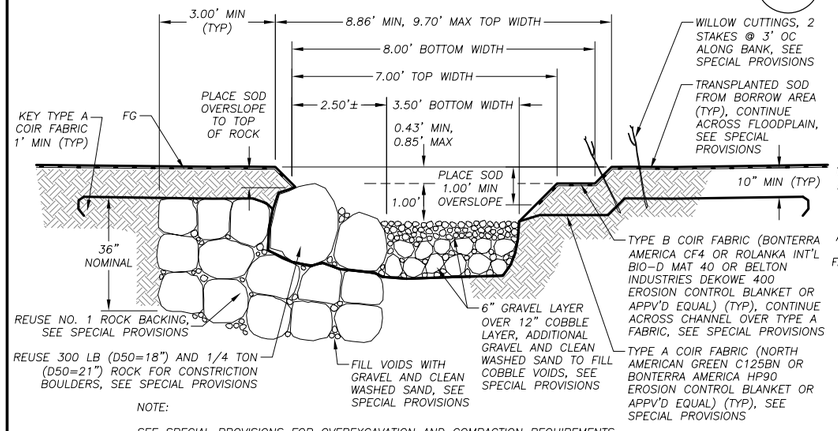
GRASS–LINED SWALE

NTS — 1 / D–1



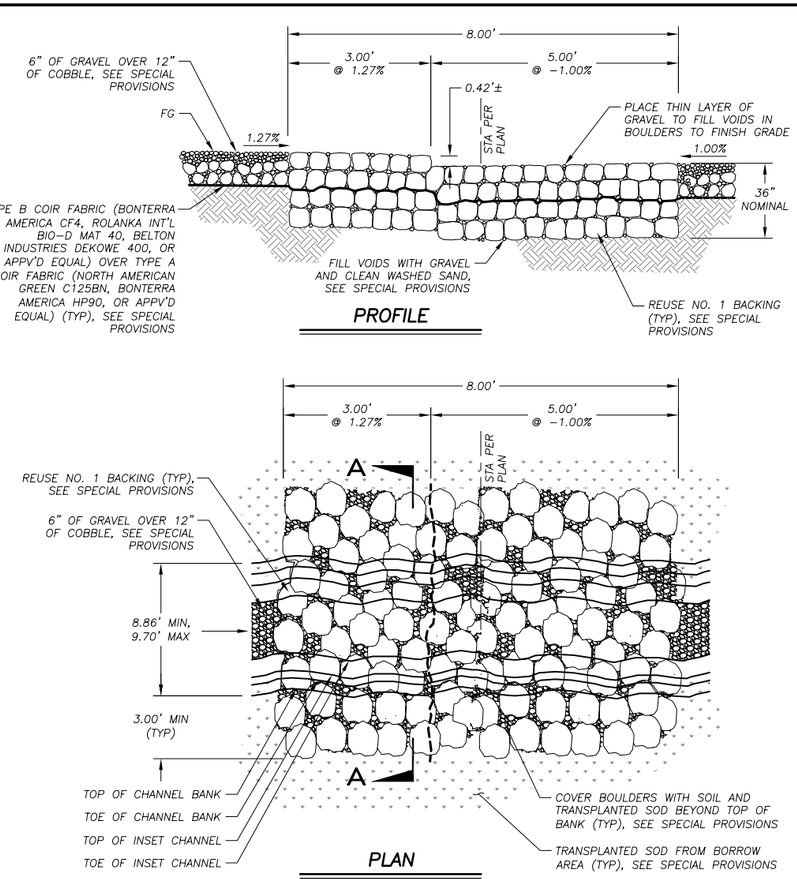
ANGORA CREEK CHANNEL

NTS — 2 / D–1



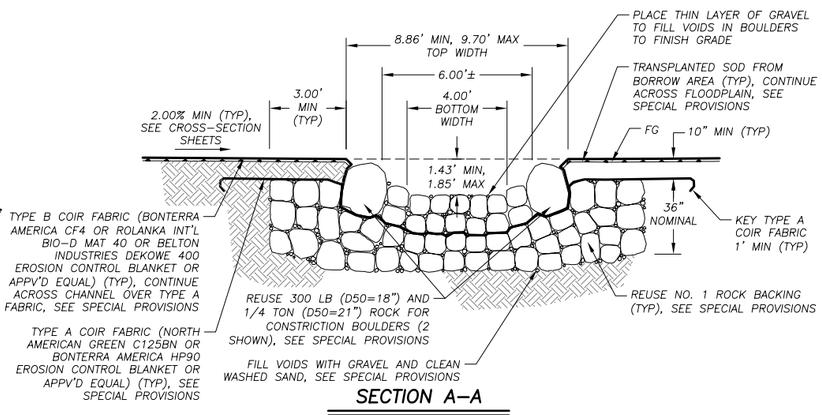
ROCK AND WILLOW BANK STABILIZATION

NTS — 3 / D–1



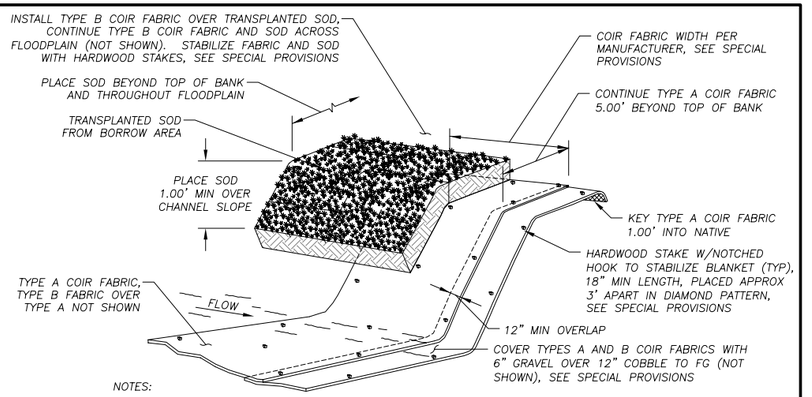
PROFILE

PLAN



SECTION A–A

NTS — 4 / D–1

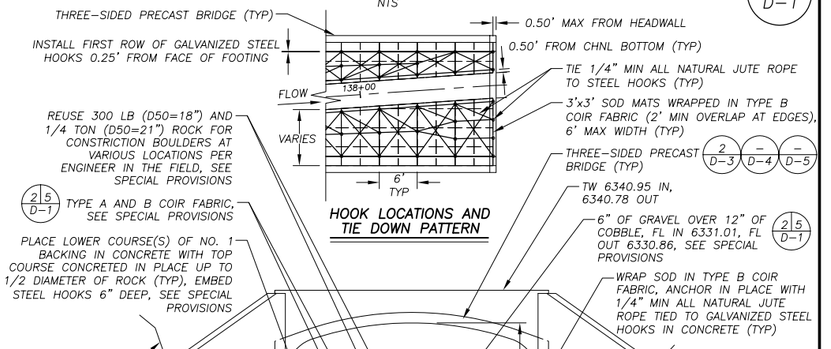


NOTES:

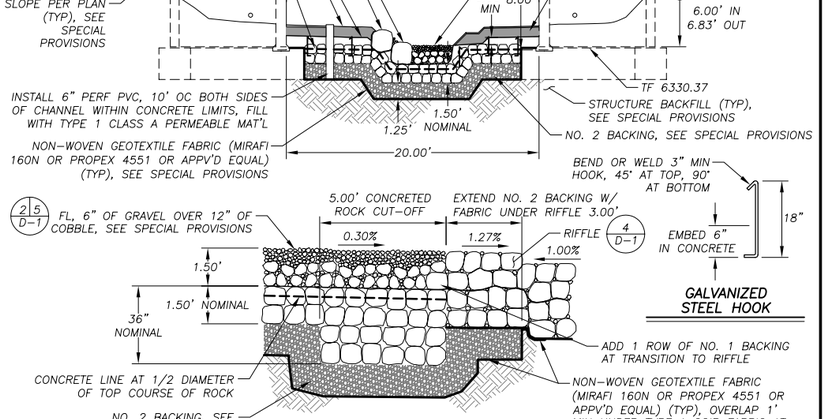
1. INSTALLATION OF TYPE A AND TYPE B COIR FABRIC SHALL BE SUCH THAT THERE ARE NO OVERLAPPING SEAMS PARALLEL TO CHANNEL FLOW.
2. DIMENSIONS SPECIFIED ARE TO BE MEASURED FROM FINISH GRADE. SEE ANGORA CREEK CHANNEL DETAIL FOR PROPOSED CHANNEL SHAPE AND DIMENSIONS.
3. SEE SPECIAL PROVISIONS FOR OVEREXCAVATION AND COMPACTION REQUIREMENTS.

CHANNEL STABILIZATION

NTS — 5 / D–1



HOOK LOCATIONS AND TIE DOWN PATTERN



CONCRETED ROCK AT RIFFLE

NTS — 6 / D–1

CONCRETED ROCK GRADE CONTROL DETAIL

REVISION			
NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOSTMAN — No. 55757 — Exp. 12–31–10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	

EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

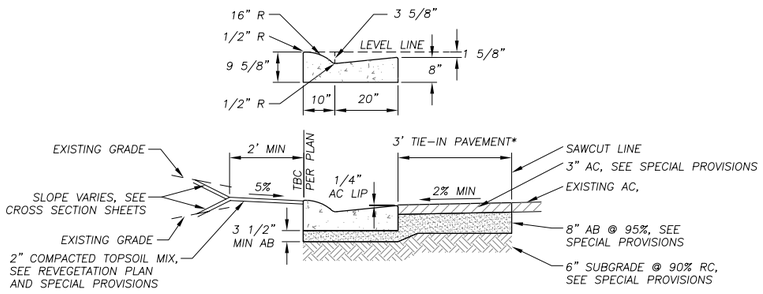
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DETAIL SHEET

SHEET D–1 — 12 OF 26
CONTRACT NO. PW 09–30486
CIP NO. 95161

10-0073.C1.1

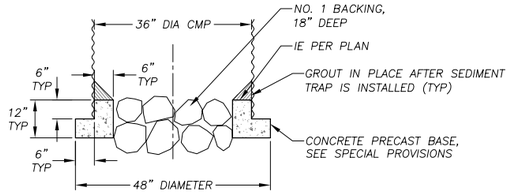
FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\12_16 ANGFISH DETAILS.dwg



*TIE IN PAVEMENT GREATER THAN 3' WIDTHS WILL BE PAID FOR UNDER MISCELLANEOUS PAVING BID ITEM.

ROLLED CURB & GUTTER W/TIE IN PAVEMENT

NTS — 1 / D-2

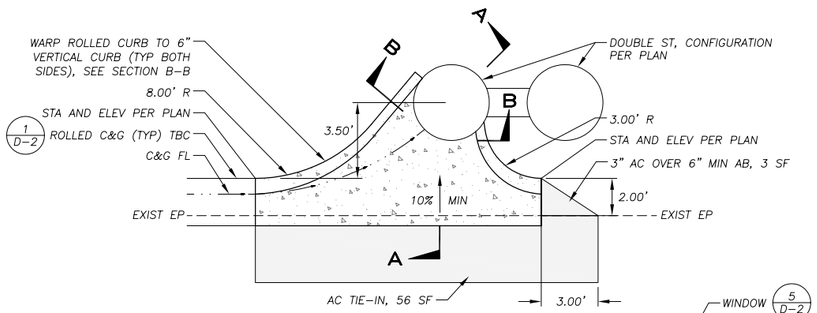


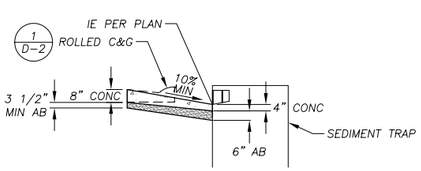
NOTE:

SEE SPECIAL PROVISIONS FOR CONCRETE AND SUBGRADE COMPACTION REQUIREMENTS.

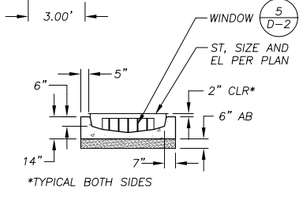
SEDIMENT TRAP BASE

NTS — 2 / D-2





SECTION A–A



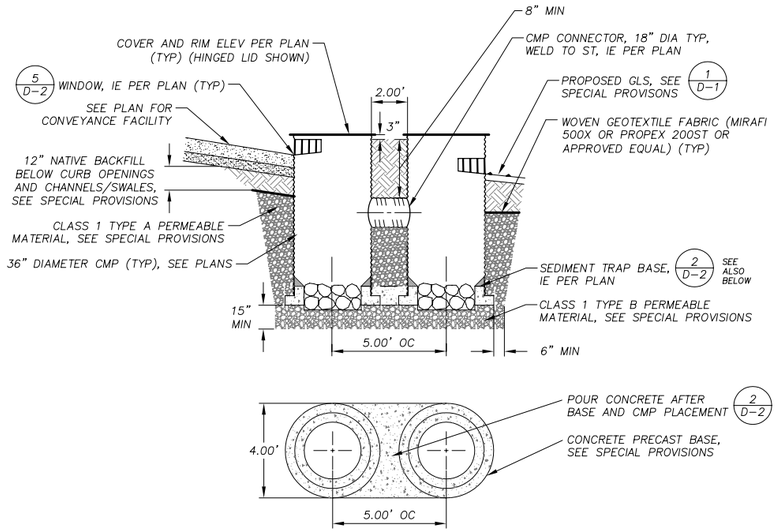
SECTION B–B

NOTE:

TIE–IN PAVEMENT ADJACENT TO AND AT THE END OF TYPE 1 CURB OPENING IS INCLUDED IN THIS BID ITEM.

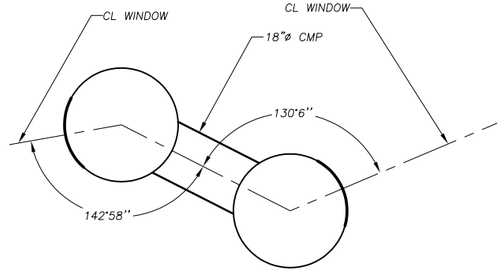
TYPE 1 CURB OPENING (SIDE)

NTS — 3 / D-2



NOTES:

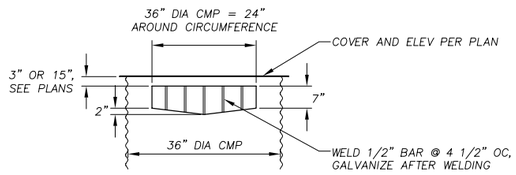
1. SEE REVEGETATION PLAN AND SPECIAL PROVISIONS FOR TREATMENT OF DISTURBED AREAS AROUND SEDIMENT TRAPS.
2. SEE SPECIAL PROVISIONS FOR SUBGRADE AND NATIVE COMPACTION REQUIREMENTS.
3. SEE SPECIAL PROVISIONS FOR CONCRETE MATERIAL.



HORIZONTAL CONTROL

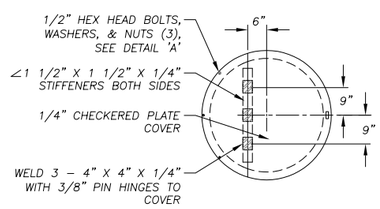
DOUBLE SEDIMENT TRAP

NTS — 4 / D-2

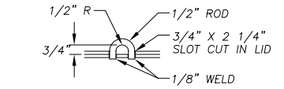


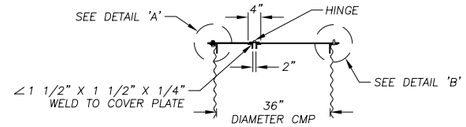
SEDIMENT TRAP WINDOW

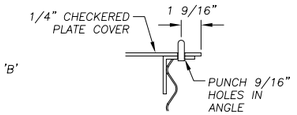
NTS — 5 / D-2



DETAIL 'A'



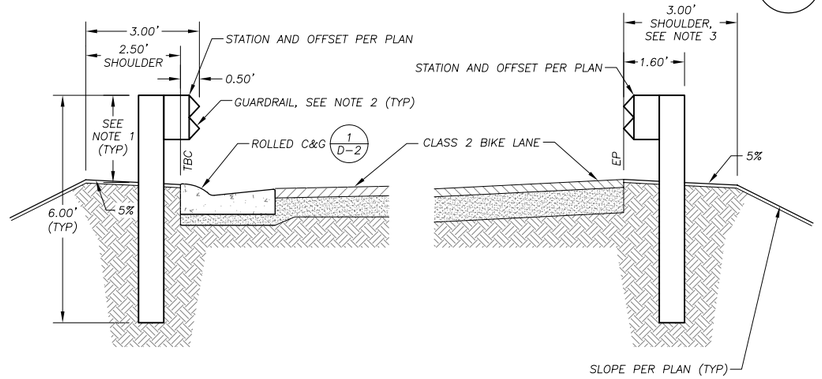




DETAIL 'B'

HINGED LID

NTS — 6 / D-2



AT C&G — AT EP

NOTES:

1. SEE CALTRANS STD PLANS A77A1, A77H1, AND A77L1 FOR POST HEIGHT REQUIREMENTS.
2. SEE PLAN SHEETS, CALTRANS STANDARD PLANS, THE STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS FOR GUARDRAIL MATERIALS, SIZES, AND INSTALLATION REQUIREMENTS.
3. SHOULDER WIDTH VARIES AT ANGORA CREEK ROAD RETURN.

WEATHERED STEEL GUARDRAIL

NTS — 7 / D-2

CONCRETE NOTES (FOR DETAILS 1 AND 3 ON THIS SHEET):

1. THE STRING LINE SHALL BE SET SUFFICIENTLY IN ADVANCE OF THE SCHEDULED POUR, BUT IN NO CASE LESS THAN 2 HOURS, TO ALLOW THE ENGINEER TO CHECK THE LINE AGAINST CUT LINE GRADES AND PROVIDE TIME FOR ADJUSTMENT, IF NECESSARY.
2. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY.
3. LOCATE 1/2" PREMOLDED TRANSVERSE EXPANSION JOINTS OF ASPHALT IMPREGNATED CELOTEX IN CURB AND GUTTER AT 200' INTERVALS, AT CURB RETURNS, AT ANY TRANSITION FROM MACHINE EXTRUDED CURB TO FORMED CURB, AND AT ANY LOCATION WHERE CONCRETE PLACEMENT WILL STOP LONG ENOUGH FOR CONCRETE TO SET PRIOR TO CONTINUING WITH ADDITIONAL CONCRETE. PROVIDE 3" DEEP CRACK (WEAKENED PLANE) JOINT EVERY 10'.
4. ALL CONCRETE FOR THOSE ITEMS SHOWN ON THIS SHEET SHALL BE FINISHED BY BRUSHING WITH A SOFT BROOM AND SPRAYED UNIFORMLY WITH A CLEAR PIGMENTED CURING COMPOUND CONFORMING TO SECTION 90–7 OF THE AMENDMENTS TO MAY 2006 STANDARD SPECIFICATIONS.
5. ALL CURB AND GUTTER SHALL BE WATER TESTED AND SHALL DRAIN WITH NO PONDING. IF PONDING DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF A SUFFICIENT AMOUNT OF CURB AND GUTTER TO ELIMINATE THE PONDING. GRINDING OF THE FLOWLINE WILL NOT BE PERMITTED.
6. THE AREA TO BE REGRADED BEHIND THE CURB VARIES, SEE CROSS SECTION SHEETS. CONTRACTOR TO GRADE AND PREPARE AREA FOR REVEGETATION BY OTHERS. NATIVE MATERIAL IS ACCEPTABLE FOR FILL, EXCLUDING ROCKS LARGER THAN 1 1/2" IN DIMENSION. BACKFILL, REGRADING, AND TOPSOL MIX PLACEMENT AND COMPACTION, WILL BE INCLUDED IN THE CURB AND GUTTER BID PRICE. MULCH AND TACKIFER APPLICATIONS BY CONTRACTOR AFTER REVEGETATION IS COMPLETE.
7. SEE SPECIAL PROVISIONS FOR SUBGRADE PREPARATION REQUIREMENTS.

FOR REDUCED PLANS — ORIGINAL SCALE IS IN INCHES — Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\12_16 ANGFISH DETAILS.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY
		REDUCED SIZE NOT TO SCALE	

REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOOYMAN — No. 55757 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	---

EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

EL DORADO COUNTY

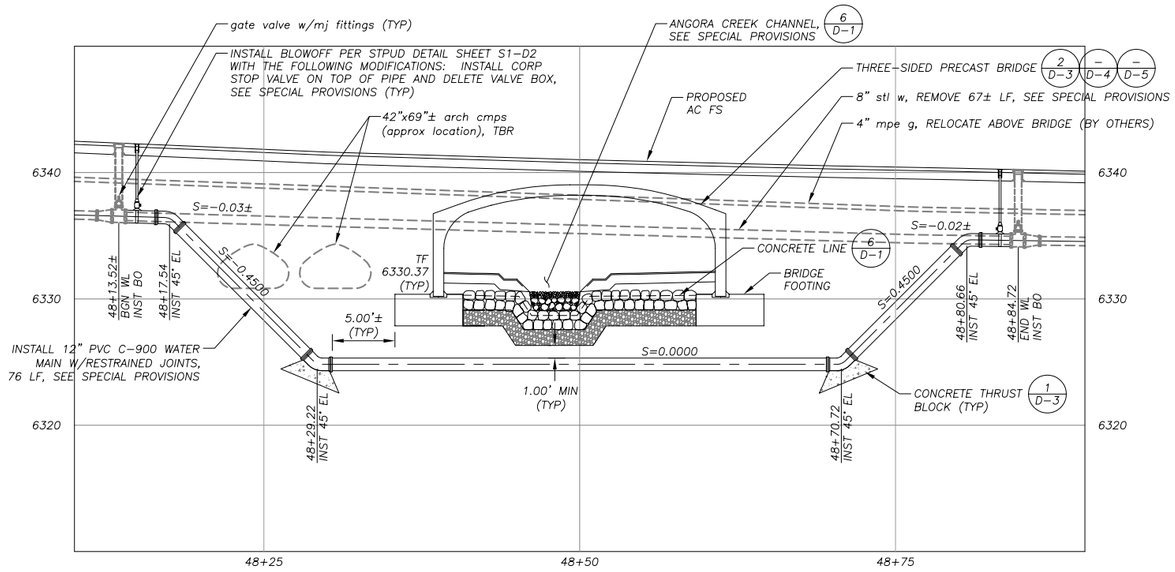
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DETAIL SHEET

SHEET D–2 13 OF 26

CONTRACT NO. PW 09–30486
CIP NO. 95161

10-0073.C1.2

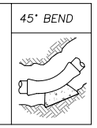


WATERLINE RELOCATION PROFILE

1 / D-3

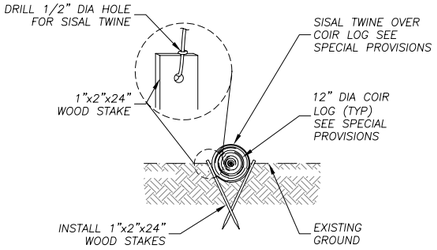
SCALE: 1" = 6'

THRUST BLOCK

TYPICAL INSTALLATION	45° BEND	PIPE	SIZE	AREA OF THRUST
		12" C-900	5.1 CY	29.5 SF

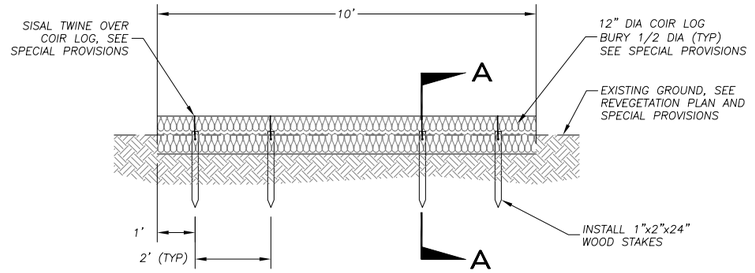
NOTES:

1. FLANGES, NUTS, AND BOLTS ARE TO BE KEPT CLEAR OF CONCRETE.
2. CONCRETE SHALL NOT COME IN CONTACT WITH PVC PIPE.
3. BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
4. THRUST BLOCK AREA IS BASED ON A DESIGN PRESSURE EQUAL TO THE PRESSURE CLASS (235 PSI) AND SOIL BEARING STRENGTH OF 1000 PSI.



SECTION A-A

COIR LOG PLAN



COIR LOG PROFILE

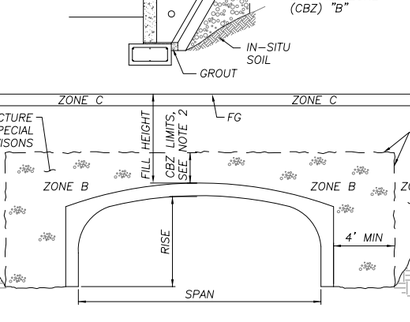
NOTES:

1. PLACEMENT OF COIR LOGS IS SUBJECT TO EXISTING CONDITIONS. FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING COIR LOG MATERIAL REQUIREMENTS.

COIR LOG DETAIL

4 / D-3

NTS



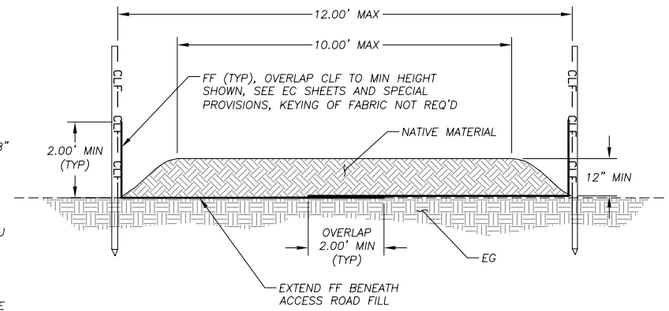
NOTES:

1. ZONE A = CONSTRUCTED EMBANKMENT; ZONE B = STRUCTURE BACKFILL THAT IS DIRECTLY ASSOCIATED WITH PRECAST CONCRETE BRIDGE INSTALLATION; ZONE C = ROAD STRUCTURAL SECTION.
2. SEE SPECIAL PROVISIONS FOR BACKFILL SPECIFICATIONS.
3. FOR FILL HEIGHTS GREATER THAN 2', CRITICAL BACKFILL ZONE (CBZ) LIMIT SHALL BE 2' ABOVE ARCH CROWN. FOR FILL HEIGHTS LESS THAN 2', THE FINISHED GRADE SHALL BE THE BOUNDARY LINE FOR THE CBZ.
4. BACKFILLING OPERATIONS WITHIN THE CBZ SHALL BE PERFORMED IN LIFTS OF 8" OR LESS (LOOSE DEPTH).
5. MAXIMUM DRY DENSITY SHALL BE DETERMINED BY AASHTO T-99 OR OTHER APPROVED METHODS.
6. BACKFILL SHALL BE COMPACTED IN LAYERS UNTIL THE DENSITY IS NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY.

BACKFILL AT BRIDGE AND WINGWALLS

2 / D-3

NTS



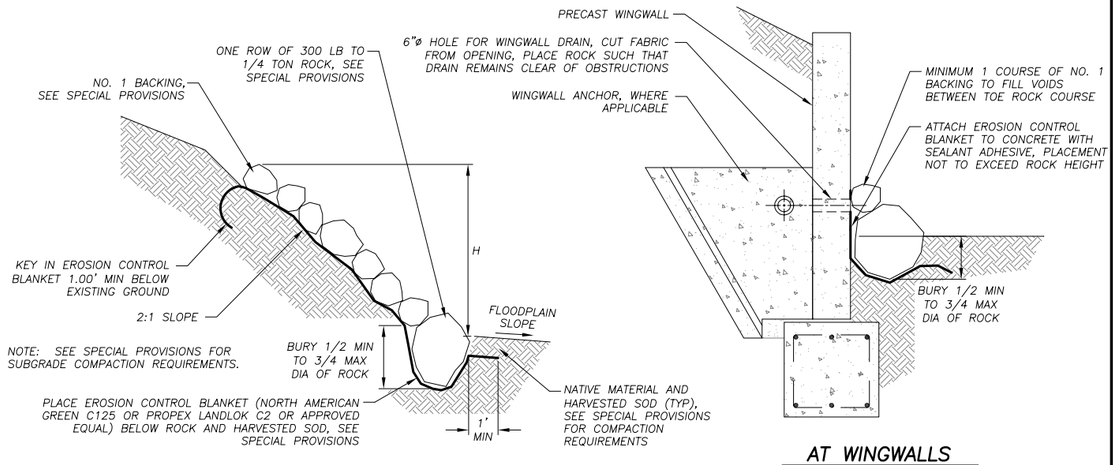
NOTES:

1. PRIOR TO PLACEMENT OF FF, ANY LARGE VEGETATION OR WOODY DEBRIS WHICH CAN PUNCTURE THE FABRIC SHALL BE CLEARED MANUALLY FROM THE ACCESS ROAD LIMITS. EXISTING GRASSY VEGETATION SHALL REMAIN.
2. SEE SPECIAL PROVISIONS REGARDING COMPACTION AND RESTORATION REQUIREMENTS.
3. CLF AND VERTICAL FF CAN BE OMITTED IN THOSE AREAS WHERE FENCING INTERFERES WITH CONSTRUCTION.

TEMPORARY ACCESS ROAD

3 / D-3

NTS



AT WINGWALLS

PLAN SHEET	STREET AND STATION	AVERAGE HEIGHT, H	MAXIMUM HEIGHT, H	SLOPE RATIO, R
P-3	LTB 48+12 TO 48+85	N/A	9'	2:1

ROCK SLOPE PROTECTION

5 / D-3

NTS

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\12_16 ANGFISH DETAILS.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
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REGISTERED PROFESSIONAL ENGINEER STEVE PETER KOOYMAN No. 55757 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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EL DORADO COUNTY

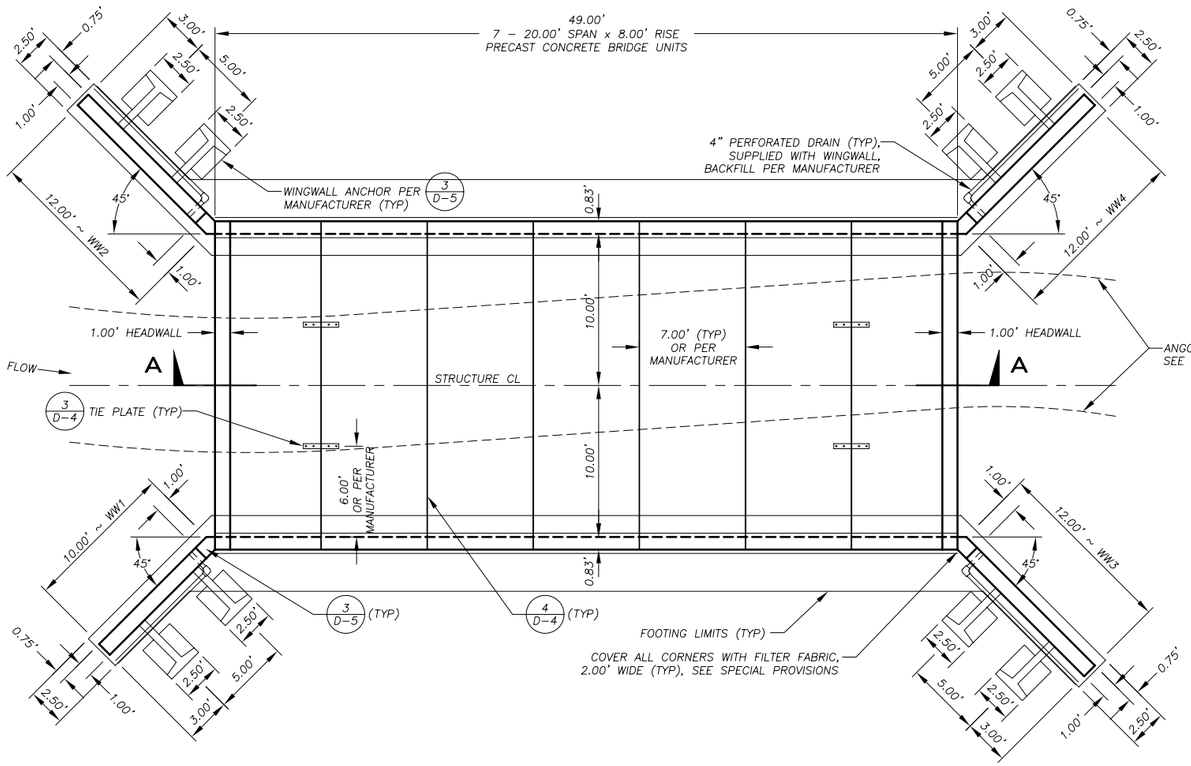
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DETAIL SHEET

SHEET D-3
14 OF 26

CONTRACT NO. PW 09-30486
CIP NO. 95161

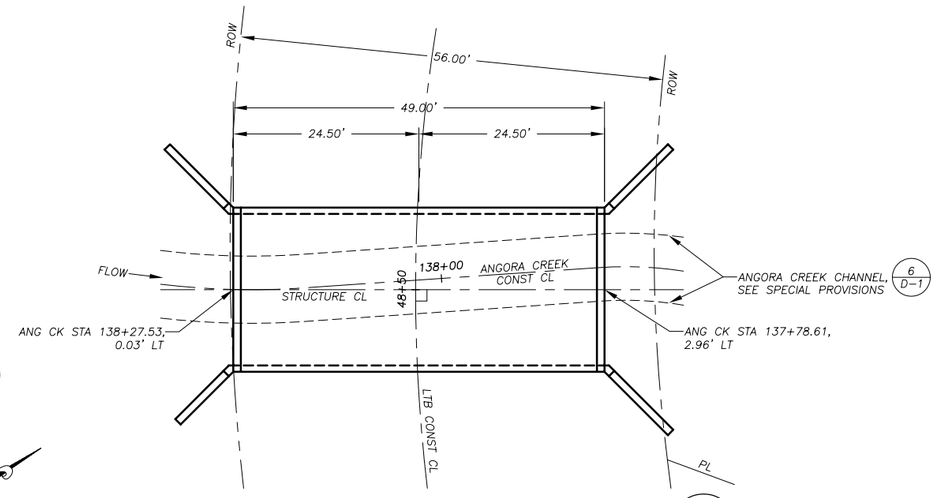
10-0073.C1.3



PRECAST BRIDGE PLAN VIEW

SCALE 1" = 5'

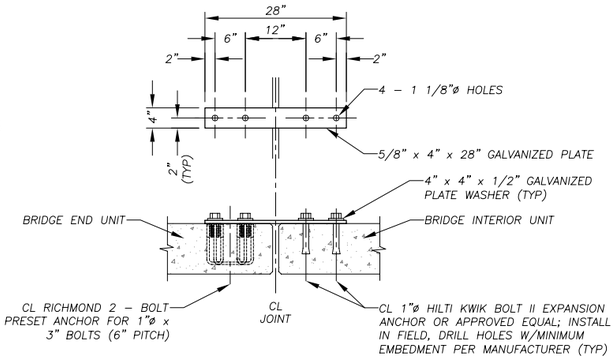
1 / D-4

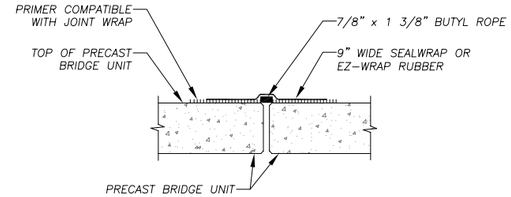


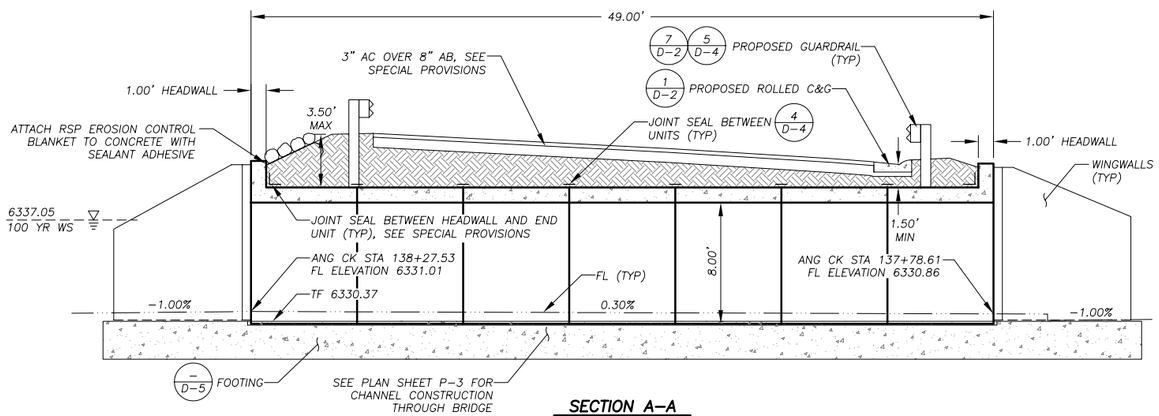
BRIDGE ORIENTATION

SCALE 1" = 10'

2 / D-4







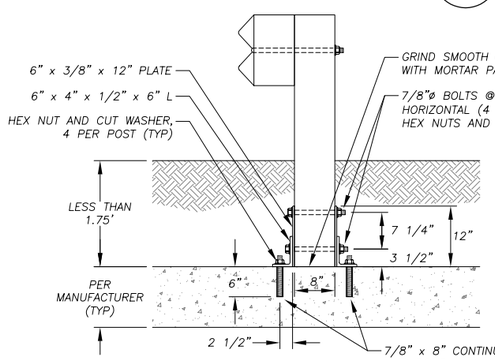
SECTION A–A

SCALE 1" = 5'

TIE PLATE DETAIL

NTS

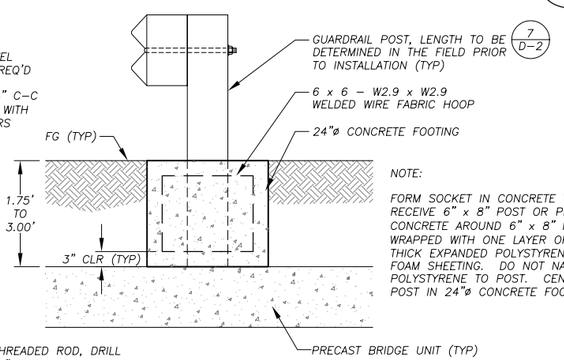
3 / D-4



JOINT SEAL DETAIL

NTS

4 / D-4



NOTE:

FORM SOCKET IN CONCRETE TO RECEIVE 6" x 8" POST OR PLACE CONCRETE AROUND 6" x 8" POST WRAPPED WITH ONE LAYER OF 1/2" THICK EXPANDED POLYSTYRENE FOAM SHEETING. DO NOT NAIL POLYSTYRENE TO POST. CENTER POST IN 24"ø CONCRETE FOOTING

GUARDRAIL POST CONNECTION AT BRIDGE

NTS

5 / D-4

NOTE:

THE BRIDGE SYSTEM DETAILS AS SHOWN ARE TO BE USED AS A GUIDE. CONTRACTOR SHALL PROVIDE A BRIDGE SUBMITTAL WHICH MEETS THE REQUIREMENTS OF THESE PLANS AND THE SPECIAL PROVISIONS. ACTUAL DIMENSIONS MAY VARY IN ACCORDANCE WITH MANUFACTURER'S DESIGN REQUIREMENTS.

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\12_16 ANGFISH DETAILS.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOOYMAN — No. 55757 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	

EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

EL DORADO COUNTY

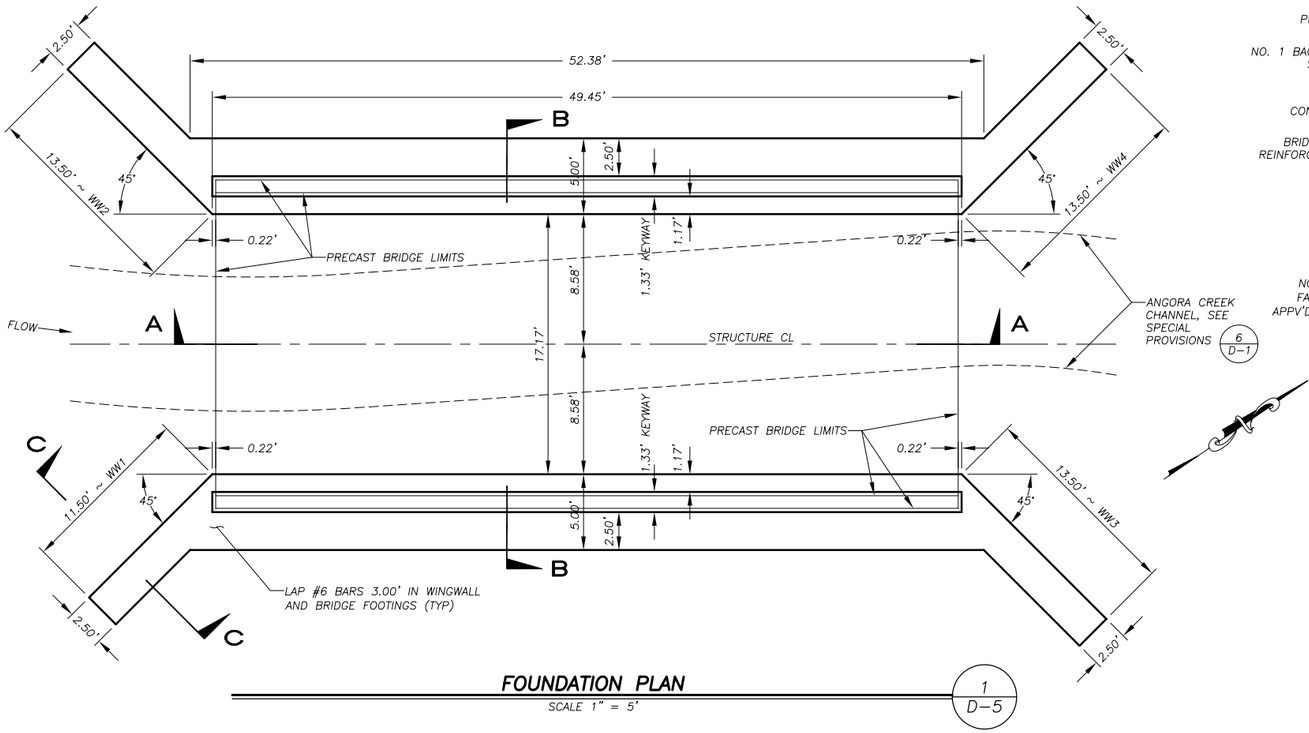
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DETAIL SHEET

SHEET D-4
15 OF 26

CONTRACT NO. PW 09-30486
CIP NO. 95161

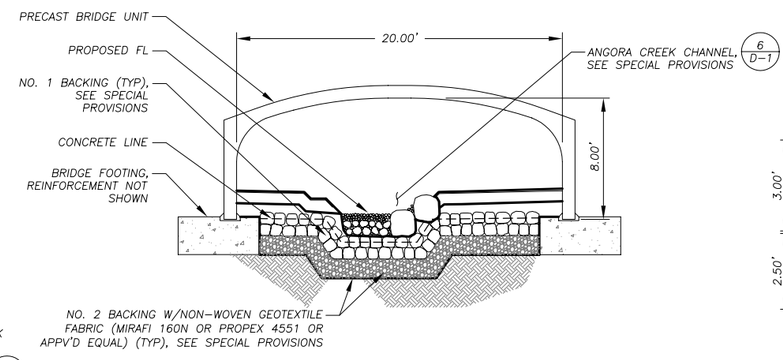
10-0073.C1.4



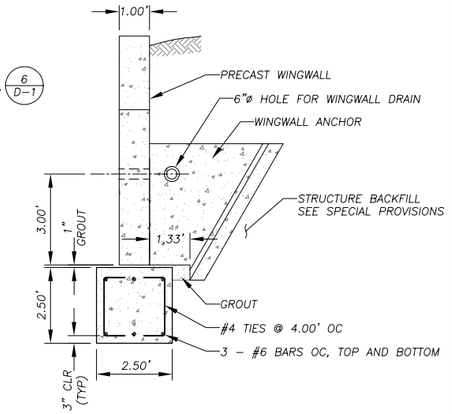
FOUNDATION PLAN

SCALE 1" = 5'

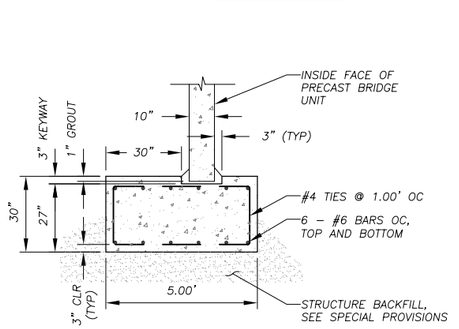
1 / D-5



SECTION B–B



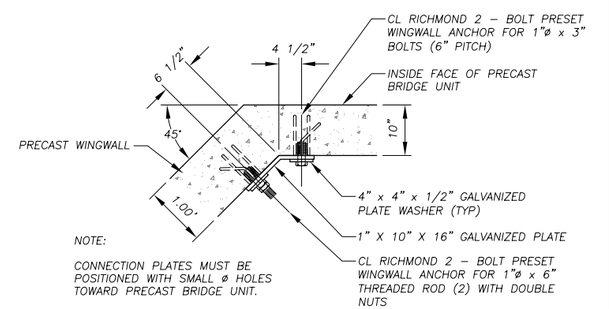
SECTION C–C



FOOTING DETAIL

NTS

2 / D-5



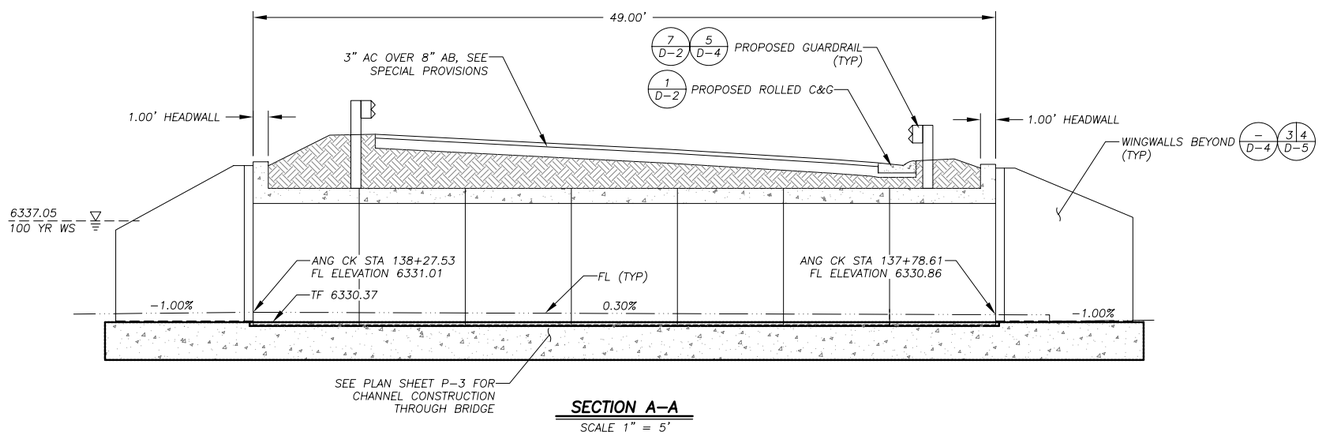
NOTE:

CONNECTION PLATES MUST BE POSITIONED WITH SMALL ø HOLES TOWARD PRECAST BRIDGE UNIT.

WINGWALL CONNECTION

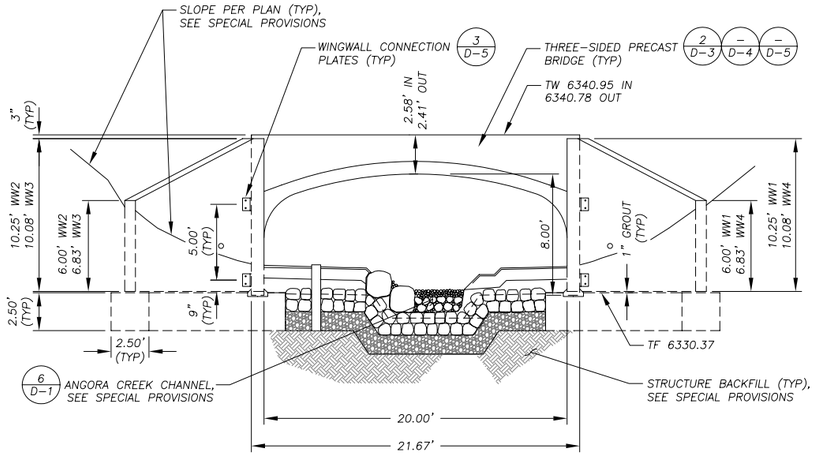
NTS

3 / D-5



SECTION A–A

SCALE 1" = 5'



ELEVATION VIEW

NTS

4 / D-5

NOTE:

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REVISION NUMBER	DATE	DESCRIPTION	BY

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REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOOPMAN — No. 55757 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

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EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

EL DORADO COUNTY

DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DETAIL SHEET

SHEET D-5
16 OF 26

CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.5

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\12_16 ANGFISH DETAILS.dwg

LEGEND

- STAGING AREA
- TEMPORARY STAGING AREA (ROAD CLOSURE)
- COUNTY RIGHT-OF-WAY OR PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING BULDING (PRE-FIRE LOCATIONS)
- EXISTING STORM DRAIN
- CONSTRUCTION LIMIT OR TREE PROTECTION FENCE
- FILTER FENCE
- C&G OR PROPOSED CHANNEL SEDIMENT CONTROL
- PROPOSED SEDIMENT TRAP
- PROPOSED CURB & GUTTER
- PROPOSED CHANNEL/SWALE
- LAND CAPABILITY BOUNDARY
- 10' SEZ SETBACK LIMIT

NOTE: PORTIONS OF BASE MAP REFLECTS PRE-ANGORA FIRE CONDITIONS.

SCALE: 1"= 60'

NOTES:

1. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC, WEIGHTED FIBER ROLLS, GRAVEL BAGS, VISQUEEN, AND GRAVEL-FILLED ROLLS.
2. SPACING INTERVALS FOR RICE FIBER ROLL OVER PIPE OUT OF PAVEMENT AND C&G SEDIMENT CONTROL SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.
3. LOCATIONS AND LF OF FILTER FENCE REQUIRED FOR THE STAGING AREAS ARE NOT SHOWN. QUANTITIES FOR THESE AREAS ARE INCLUDED IN THE BID SCHEDULE. THE CONTRACTOR IS TO INCLUDE THESE AREAS IN ITS TEMPORARY EROSION CONTROL PLAN SUBMITTAL.
4. DIMENSION LIMITS OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DO NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL AND/OR AS DETERMINED IN THE FIELD.
5. THE LOCATIONS OF SEDIMENT TRAP PROTECTION IS NOT SHOWN. SEE SPECIAL PROVISIONS FOR CONDITIONS WHEN INSTALLATION IS REQUIRED. QUANTITIES FOR THESE ITEMS ARE INCLUDED IN THE BID SCHEDULE.
6. ALL AMOUNTS SHOWN IN BID SCHEDULE ARE ESTIMATES ONLY. CONTRACTOR SHALL MAKE ALL NECESSARY CHANGES TO THE TEMPORARY EROSION CONTROL PLAN WITH ITS SUBMITTAL IN ORDER TO COMPLY WITH TRPA AND LAHONTAN SWPPP REQUIREMENTS.
7. CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES OF TEMPORARY EROSION CONTROL DEVICES INSTALLED AND SATISFACTORILY MAINTAINED.
8. A FINE OF $100/DAY WILL BE LEVIED AGAINST THE CONTRACTOR FOR EACH DAY CONTRACTOR DELAYS IN RESPONDING TO ENGINEER'S REQUEST TO INSTALL NEW TEMPORARY EROSION CONTROL DEVICES AND OR MAINTAIN EXISTING TEMPORARY EROSION CONTROL DEVICES.
9. ACCESS TO APN 033-524-02 FOR SOD HARVESTING SHALL ONLY BE ALLOWED AFTER ALL OTHER SOD HARVEST LOCATIONS HAVE BEEN UTILIZED TO THE MAXIMUM EXTENT ALLOWED.

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\17 ANGFISH EC 1.dwg

REVISION

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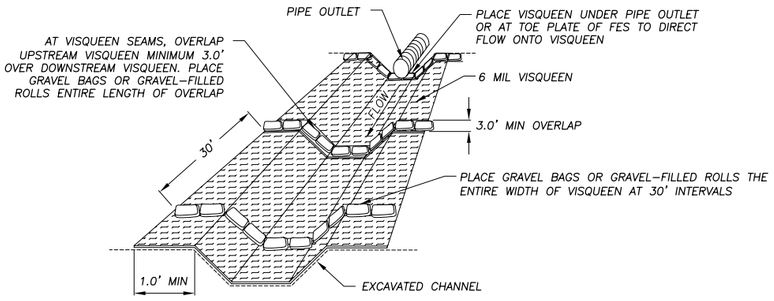
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
TEMPORARY EROSION CONTROL

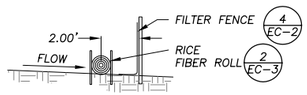
SHEET EC-1 17 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.6

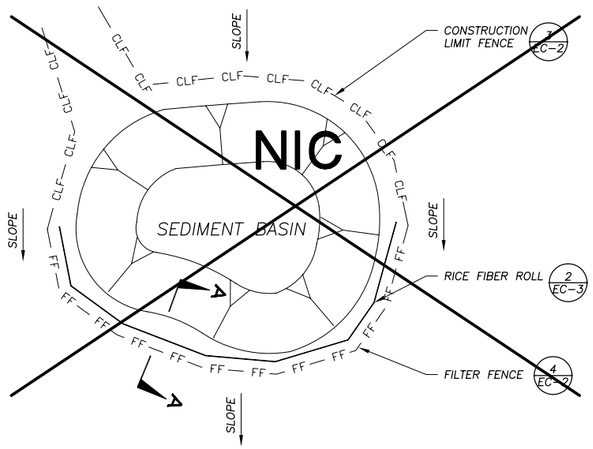


VISQUEEN WITH GRAVEL BAGS OR GRAVEL–FILLED ROLLS

NTS — 1 / EC–2



SECTION A–A

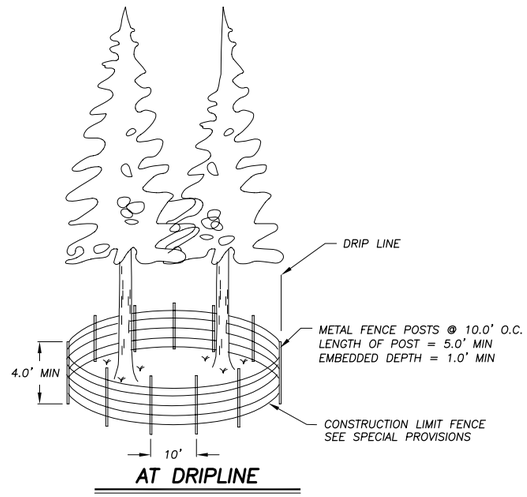


TYPICAL SEDIMENT BASIN FILTER FENCE AND CONSTRUCTION LIMIT FENCE PLACEMENT

NTS — 2 / EC–2

GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC, WEIGHTED FIBER ROLLS, GRAVEL BAGS, VISQUEEN, GRAVEL–FILLED ROLLS, RICE FIBER ROLLS, AND FENCE POSTS.
2. SPACING INTERVALS FOR RICE FIBER ROLL OVER PIPE OUT OF PAVEMENT AND C&G SEDIMENT CONTROL SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.
3. LOCATIONS AND LF OF FILTER FENCE REQUIRED FOR THE STAGING AREAS ARE NOT SHOWN. THE CONTRACTOR IS TO INCLUDE THESE AREAS IN HIS TEMPORARY EROSION CONTROL PLAN SUBMITTAL.
4. DIMENSION LIMITS OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL THIS SHEET AND/OR AS DETERMINED IN THE FIELD.

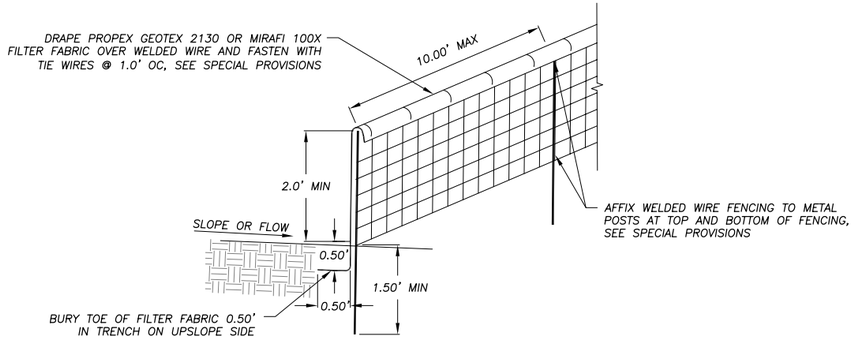


AT DRIPLINE

NOTE:
DETAIL ABOVE IS TYPICAL FOR SOME DRIPLINE LOCATIONS, CONSTRUCTION LIMIT FENCE SHALL BE STAKED IN THE FIELD BY ENGINEER.

CONSTRUCTION LIMIT FENCE (CLF)

NTS — 3 / EC–2

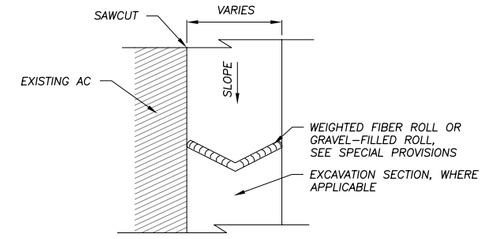


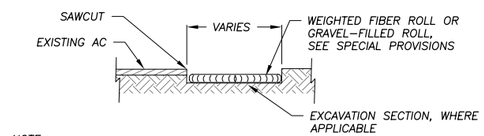
NOTES:

1. CONTRACTOR MAY USE PRE MANUFACTURED SEDIMENT CONTROL FENCE AS APPROVED BY THE ENGINEER, SEE SPECIAL PROVISIONS.
2. PLACE FENCING SUCH THAT STORM RUNOFF CANNOT PASS AROUND OR UNDER FENCE.
3. IN PLACE OF KEYING FABRIC IN ANGORA CREEK, GRAVEL BAGS ARE TO BE USED TO HOLD FABRIC IN PLACE. SEE PLAN SHEET EC–1 AND SPECIAL PROVISIONS.

FILTER FENCE (FF)

NTS — 4 / EC–2

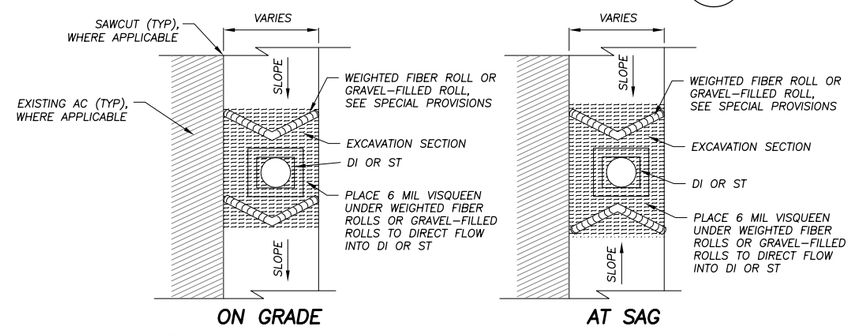




NOTE:
SPACING INTERVALS FOR WEIGHTED FIBER ROLL OR GRAVEL–FILLED ROLL TEMPORARY SEDIMENT CONTROL ON GRADE SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.

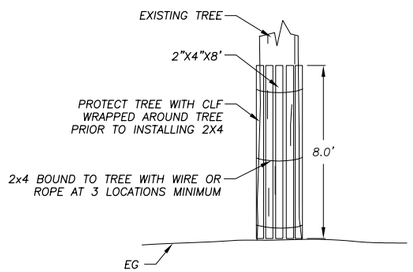
WEIGHTED FIBER ROLLS OR GRAVEL–FILLED ROLLS

NTS — 5 / EC–2



DRAINAGE INLET (DI) AND SEDIMENT TRAP (ST) PROTECTION

NTS — 6 / EC–2



NOTE:
DETAIL ABOVE SHALL BE INSTALLED FOR TREE PROTECTION AT LOCATIONS WITHIN THE CONSTRUCTION AREA WHRE CONSTRUCTION ACCESS WOULD BE PROHIBITED IF CLF WERE INSTALLED AROUND THE DRIPLINE OF TREE BRANCHES.

WOODEN TREE TRUNK PROTECTION

NTS — 7 / EC–2

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\18_19 ANGFISH EC 2-3.dwg

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EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

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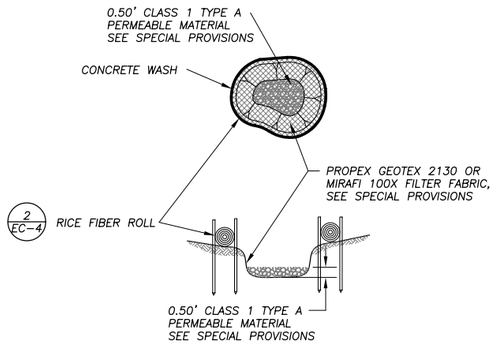
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
TEMPORARY EROSION CONTROL DETAILS

SHEET EC–2 18 OF 26
CONTRACT NO. PW 09–30486
CIP NO. 95161

10-0073.C1.7



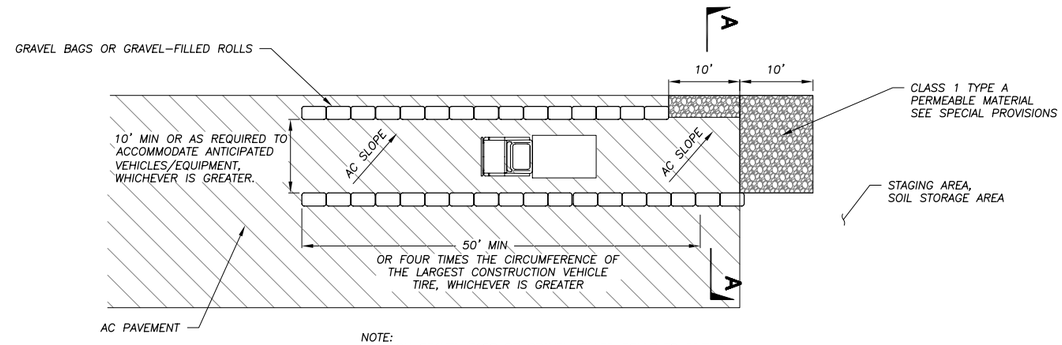
NOTE:

CONCRETE WASH SHALL BE SIZED FOR WASHING ALL CONCRETE EQUIPMENT WITHOUT OVERTOPPING BASIN.

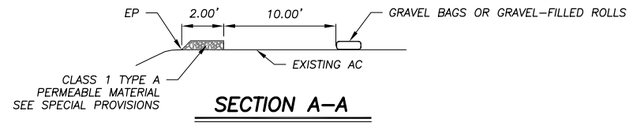
TYPICAL CONCRETE WASH AREA

NTS

1
EC-3



NOTE:
POSITION GRAVEL BAGS OR GRAVEL-FILLED ROLLS TO DIVERT RUNOFF TO EXISTING SWALE, WHERE APPLICABLE.

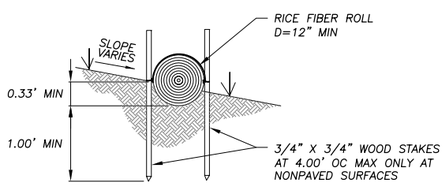


SECTION A-A

TYPICAL TIRE WASH AREA TYPE 1 (ON PAVEMENT)

NTS

3
EC-3



NOTE:
INSTALL RICE FIBER ROLL LEVEL ALONG CONTOUR.

TYPICAL RICE FIBER ROLL INSTALLATION

NTS

2
EC-3

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\18_19 ANGFISH EC 2-3.dwg

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No. 55757
Exp. 12-31-10
CIVIL
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TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ
ENHANCEMENT PROJECT
TEMPORARY EROSION CONTROL DETAILS

SHEET
EC-3
19 OF 26
CONTRACT NO.
PW 09-30486
CIP NO.
95161

10-0073.C1.8

REVEGETATION WORK LEGEND

TYPE (1) – CONTRACTOR TO PLACE 2" COMPACTED TOPSOIL MIX, CALIFORNIA CONSERVATION CORPS (CCC) TO ADD SEED AND SOIL AMENDMENT, CONTRACTOR TO APPLY 1" MULCH, CONTRACTOR TO APPLY TACKIFIER.

TYPE (2) – CCC TO LOOSEN SOIL ON SLOPE, CONTRACTOR TO APPLY 1" HUMUS, CCC TO MIX HUMUS WITH LOOSENED SOIL AND ADD SEED AND SOIL AMENDMENT, CONTRACTOR TO APPLY 1" MULCH, CONTRACTOR TO APPLY TACKIFIER.

TYPE (3) – CCC TO LOOSEN SOIL ON SLOPE, CONTRACTOR TO APPLY 1" HUMUS, CCC TO MIX HUMUS WITH LOOSENED SOIL AND ADD SEED, SOIL AMENDMENT, AND BLANKET; CONTRACTOR TO APPLY 1" MULCH, CONTRACTOR TO APPLY TACKIFIER.

TYPE (4) – N/A

TYPE (5) – N/A

TYPE (6) – FOR PROPAGATED SOD: CONTRACTOR TO INSTALL EROSION CONTROL BLANKET AND APPLY 3" COMPACTED TOPSOIL MIX, CCC TO PLACE 1" PROPAGATED SOD MAT.

FOR SALVAGED SOD: CONTRACTOR TO INSTALL SOD.

TYPE (7) – FOR RESTORING NEW TEMPORARY ACCESS ROADS: CONTRACTOR TO SCARIFY A MINIMUM OF 6", CCC TO APPLY 2" MINIMUM THICKNESS OF WOOD CHIP/PINE NEEDLE MULCH.

FOR RESTORING EXISTING ACCESS ROAD: CCC TO APPLY 2" MINIMUM THICKNESS OF WOOD CHIP/PINE NEEDLE MULCH.

TYPE (8) – CONTRACTOR TO PLACE 10" MINIMUM THICKNESS HARVESTED SOD MAT, CONTRACTOR TO APPLY BLANKET.

TYPE (9) – CONTRACTOR TO LOOSEN SOIL, CCC TO ADD BLANKET AND SEED.

TYPE (10)– CONTRACTOR TO PLACE 3" COMPACTED TOPSOIL MIX OVER 7" MINIMUM THICKNESS COMPACTED SOIL TO HARVESTED SOD LOCATIONS, CCC TO ADD SEED, CCC TO APPLY BLANKET.

NOTES:

1. REVEGETATION TYPE (1) FOR AREAS ADJACENT TO CURB AND GUTTER INSTALLATION, ROAD SHOULDERING, DISTURBED AREAS ADJACENT TO IMPROVEMENTS, AND STAGING AREAS, UNLESS NOTED OTHERWISE.
2. REVEGETATION TYPE (2) FOR AREAS ON SLOPES EQUAL TO OR FLATTER THAN 3:1.
3. REVEGETATION TYPE (3) FOR AREAS ON SLOPES STEEPER THAN 3:1.
4. REVEGETATION TYPE (6) FOR GRASS-LINED SWALES.
5. REVEGETATION TYPE (7) FOR RESTORATION OF TEMPORARY ACCESS ROADS.
6. REVEGETATION TYPE (8) FOR ANGORA CREEK CHANNEL AND FLOODPLAIN AREAS.
7. REVEGETATION TYPE (9) FOR DISTURBED FLOODPLAIN AREAS NOT COVERED BY HARVESTED SOD.
8. AMENDMENT AND MULCH SHALL NOT BE APPLIED TO AREAS WITHIN CHANNELS.
9. ALL REVEGETATION AREAS DESCRIBED ABOVE WILL BE IRRIGATED WITH A WATER TRUCK BY THE COUNTY FOR TWO YEARS FOLLOWING INSTALLATION TO ENSURE OPTIMUM PLANT SURVIVAL.
10. SEE PLAN SHEETS FOR TOPSOIL SALVAGE AND SOD SALVAGE LOCATIONS AND QUANTITIES.
11. CONTRACTOR SHALL SALVAGE AND TRANSPLANT WILLOW CLUMPS PER PLANS AND SPECIAL PROVISIONS. TRANSPLANTING WILL OCCUR WITHIN THE ANGORA CREEK FLOODPLAIN WITH SPECIFIC LOCATIONS DIRECTED BY THE ENGINEER IN THE FIELD.
12. SEE SPECIAL PROVISIONS FOR LOCATIONS WHERE SCARIFYING IS REQUIRED PRIOR TO REVEGETATION TREATMENT.
13. QUANTITIES FOR REVEGETATION TYPE (10) REFLECT MAXIMUM SOD HARVEST QUANTITY PER LOT DESIGNATED. ACTUAL QUANTITY FOR REVEGETATION TYPE (10) SHALL BE EQUAL TO THE QUANTITY FOR REVEGETATION TYPE (8). ACCESS TO APN 033-524-02 FOR SOD HARVESTING SHALL ONLY BE ALLOWED AFTER ALL OTHER SOD HARVEST LOCATIONS HAVE BEEN UTILIZED TO THE MAXIMUM EXTENT ALLOWED.

REVEGETATION DEFINITIONS

AMENDMENT – BIOSOL @600 LBS./ACRE (OR EQUAL)

BLANKET BASIN BOTTOM – SC150BN (OR EQUAL)

BLANKET SLOPES – CF4 (OR EQUAL)

MULCH – APPLIED WITH BLOWER EQUIPMENT

HUMUS – CONTRACTOR SHALL APPLY HUMUS WITH BLOWER EQUIPMENT PER SPECIAL PROVISIONS

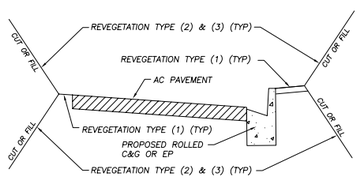
TOPSOIL MIX – CONTRACTOR SHALL BLEND TOPSOIL SALVAGED FROM EXCAVATED AREAS (3 PARTS) WITH HUMUS (1 PART). SEE SPECIAL PROVISIONS.

TACKIFIER – CONTRACTOR SHALL APPLY WOOD-CELLULOSE FIBER MULCH/TACKIFIER OVER AREAS THAT RECEIVE MULCH.

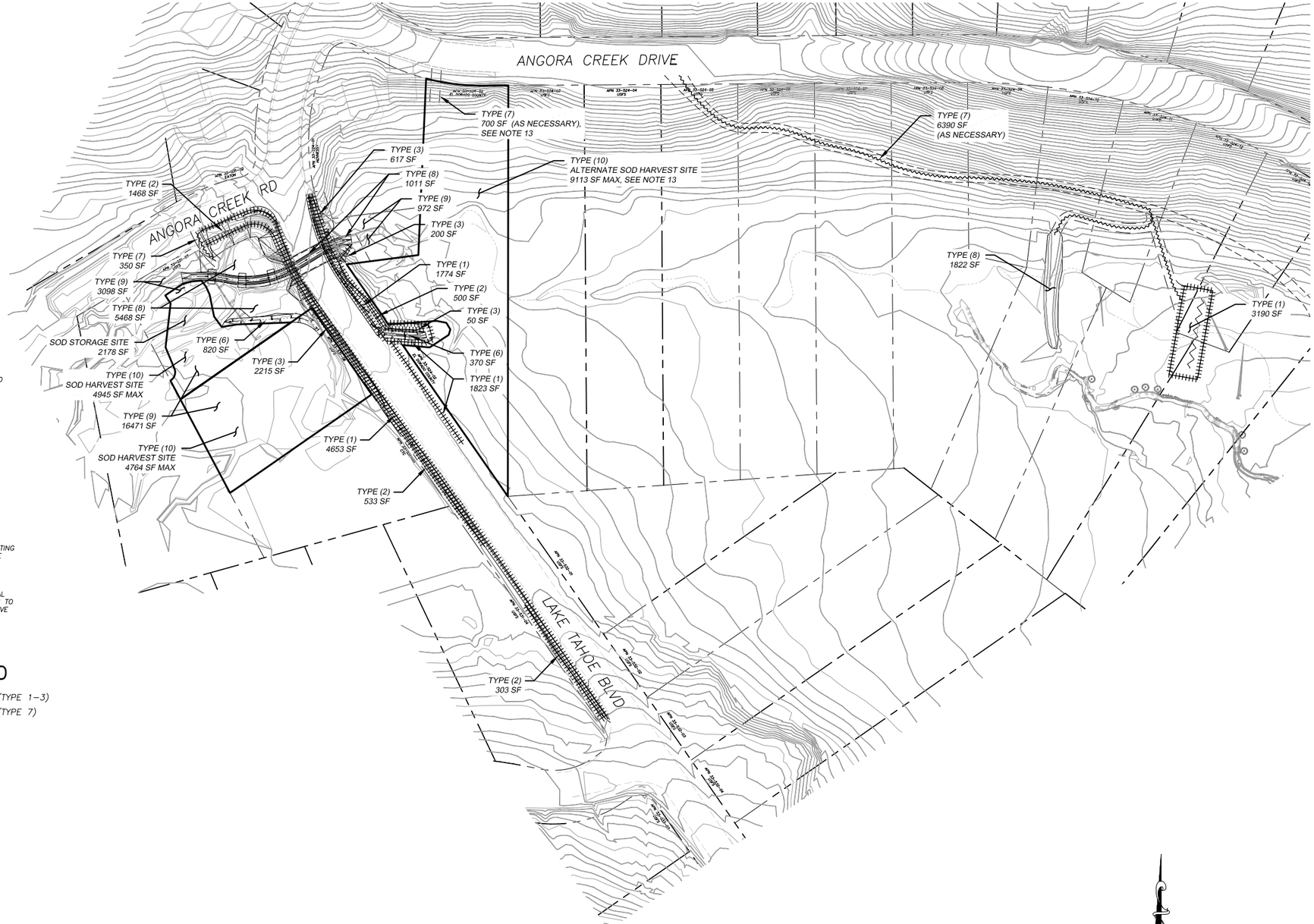
SYMBOL LEGEND

REVEGETATION AREA (TYPE 1–3)

REVEGETATION AREA (TYPE 7)



TYPICAL ROADWAY REVEGETATION
NTS



SCALE: 1"= 60'

NOTE: PORTIONS OF BASE MAP REFLECTS PRE-ANGORA FIRE CONDITIONS.

REVISION				
NUMBER	DATE	DESCRIPTION		BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER – STEVEN PETER KOOYMAN – No. 55757 – Exp. 12-31-10 – CIVIL – STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	

EL DORADO COUNTY DEPT. OF TRANSPORTATION

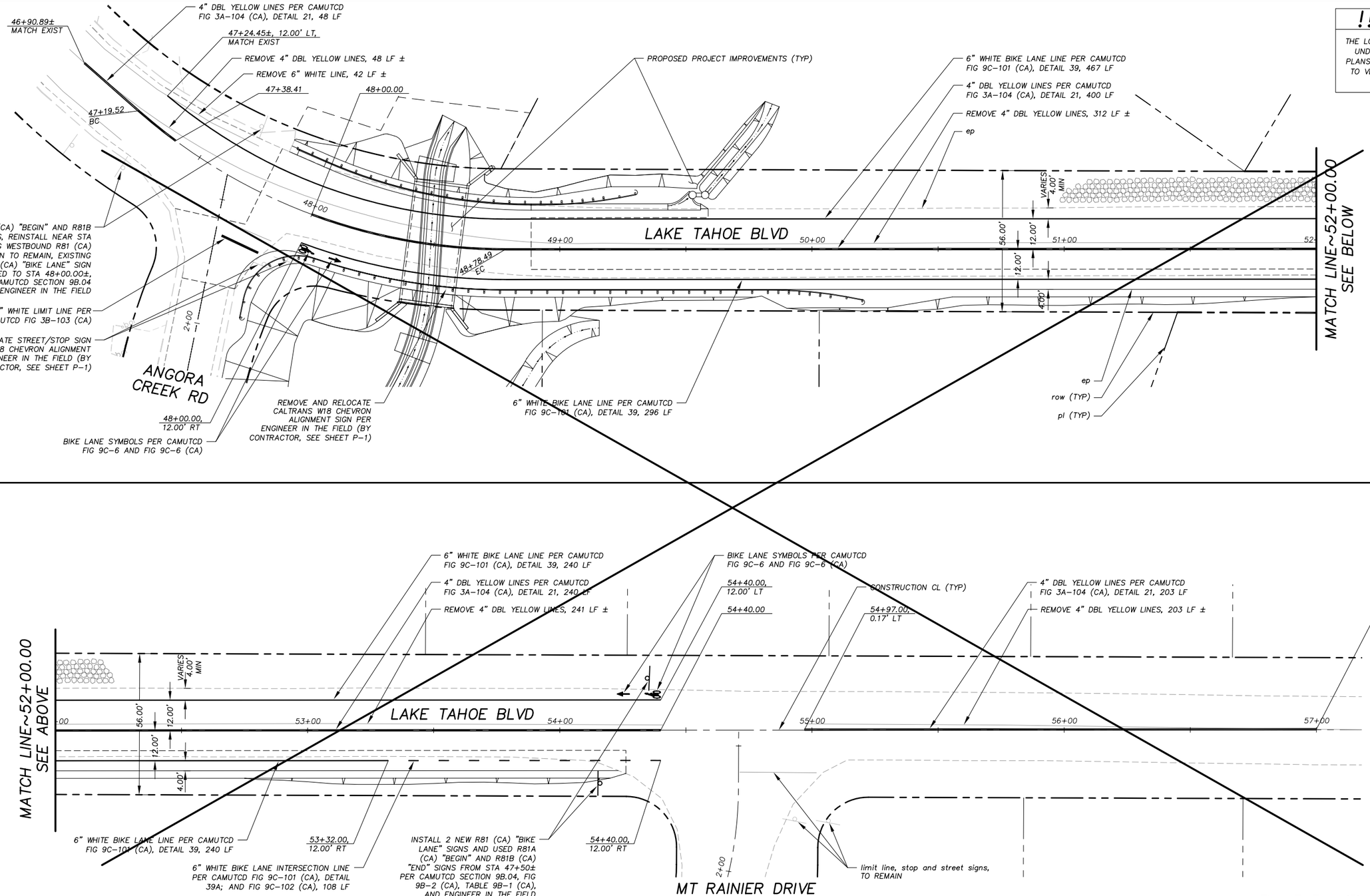
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
REVEGETATION PLAN

SHEET R-1
20 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.9

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\20 ANGFISH REVEG.dwg



Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\21 ANGFISH STRIPING.dwg

ORIGINAL SCALE IS IN INCHES 0 1 2

FOR REDUCED PLANS

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOOYMAN — No. 55757 — Exp. 12–31–10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	

EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
STRIPING AND SIGNING PLAN

SHEET S–1
21 OF 26
CONTRACT NO. PW 09–30486
CIP NO. 95161

10-0073.C1.10

NOTES:

1. THIS PLAN HAS BEEN PREPARED AS A GUIDE TO THE CONTRACTOR IN PREPARATION OF A COMPLETE TRAFFIC CONTROL PLAN AND TO AID IN THE CONTRACTOR'S PLANNING FOR STAGING/STORAGE OF MATERIALS AND EQUIPMENT. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL INCLUDE DETAILED CONTROLS FOR ALL DETOURS PROPOSED, INCLUDING FLAGGERS, LANE CLOSURES AND SIGNS, DETOURS AND SIGNS, AS APPLICABLE, ROAD CLOSURES AND SIGNS, AS APPLICABLE, FOR ALL ITEMS OF ROAD WORK WHICH WILL REQUIRE ALTERATION OF EXISTING TRAFFIC PATTERNS.
2. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ADDRESS EACH PHASE OF CONSTRUCTION (e.g. PIPE REMOVAL, PRECAST BRIDGE SYSTEM INSTALLATION, CURB AND GUTTER, ROCK PLACEMENT, STRUCTURES ADJACENT TO AND/OR AFFECTING THE ROADWAY, ETC.) AND SHALL CONFORM TO PART 6 OF THE CALIFORNIA MUTCD ENTITLED "TEMPORARY TRAFFIC CONTROL" AND THE SPECIAL PROVISIONS. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ALSO INCLUDE ALL SIGNING REQUIRED AT INTERSECTING STREETS WITHIN THE AREA THAT WILL REQUIRE TRAFFIC CONTROL.
3. CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT, THE EL DORADO COUNTY SHERIFF'S OFFICE, THE CALIFORNIA HIGHWAY PATROL, AND EMERGENCY SERVICES OF THE LAKE TAHOE BLVD. CLOSURE A MINIMUM OF 24 HOURS IN ADVANCE OF THE CLOSURE.
4. LAKE TAHOE BLVD. SHALL BE CLOSED TO PUBLIC TRAFFIC FOR 6 WEEKS FOR THE INSTALLATION OF THE PRECAST BRIDGE SYSTEM, CURB AND GUTTER, CULVERT REMOVAL, UTILITY RELOCATION, AND CHANNEL WORK. ALL OTHER CLOSURES AND DETOURS WILL BE ALLOWED ONLY DURING WORKING HOURS AND ONLY WHEN WORK IN THE AREA REQUIRING A DETOUR IS IN PROGRESS. AT THE END OF EACH WORK DAY A MINIMUM OF TWO 10 FOOT LANES SHALL BE OPENED TO PUBLIC TRAFFIC. NO DETOUR SHALL PREVENT RESIDENTS FROM ACCESS TO THEIR PROPERTY.
5. WHEN DETOURS ARE REMOVED AND ROADS ARE OPEN TO PUBLIC TRAFFIC, ALL DRIVEWAYS WITHIN THE WORK AREA SHALL BE ACCESSIBLE AND OPERATIONAL.
6. CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL INCLUDE SIGNAGE ON ANGORA CREEK DRIVE AND LAKE TAHOE BLVD. FOR TRAFFIC CONTROL RELATED TO TRUCKS ENTERING THE ROADWAYS FROM THE PROJECT AREAS.
7. CONTRACTOR'S ATTENTION IS DIRECTED TO THE SWPPP AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
8. STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT. SEE SPECIAL PROVISIONS FOR STAGING/STORAGE REQUIREMENTS AND REQUIREMENTS TO SPREAD WOOD CHIPS ON UNPAVED STAGING/STORAGE AREAS.
9. THE LEGEND SHOWS THE LIST OF SIGNS TO BE REQUIRED AS A MINIMUM.

LEGEND

PROPOSED STAGING AREA WITH SF	SPEED LIMIT SIGN (R2-1)
APPROXIMATE SIGN LOCATION	"ROAD CLOSED" SIGN ON TYPE III BARRICADE (R11-2)
"END ROAD WORK" SIGN (G20-2)	"LAKE TAHOE BLVD. CLOSED TO THRU TRAFFIC" SIGN (8) (DATES SHOWN ARE FOR EXAMPLE ONLY) (R11-4)
"ROAD WORK AHEAD" SIGN (W20-1)	"DETOUR" SIGN (M4-10)
"DETOUR XXX FT" SIGN (W20-2)	"END DETOUR" SIGN (M4-8a)
"ONE LANE ROAD XXX FT" SIGN (W20-4)	"BE PREPARED TO STOP" SIGN (W3-4)

SCALE: 1"= 200'

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\22 ANGFISH TC.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER STEVE PETER KOOPMAN No. 55757 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 3/5/10

DESIGNED:	DRAWN:
ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	---

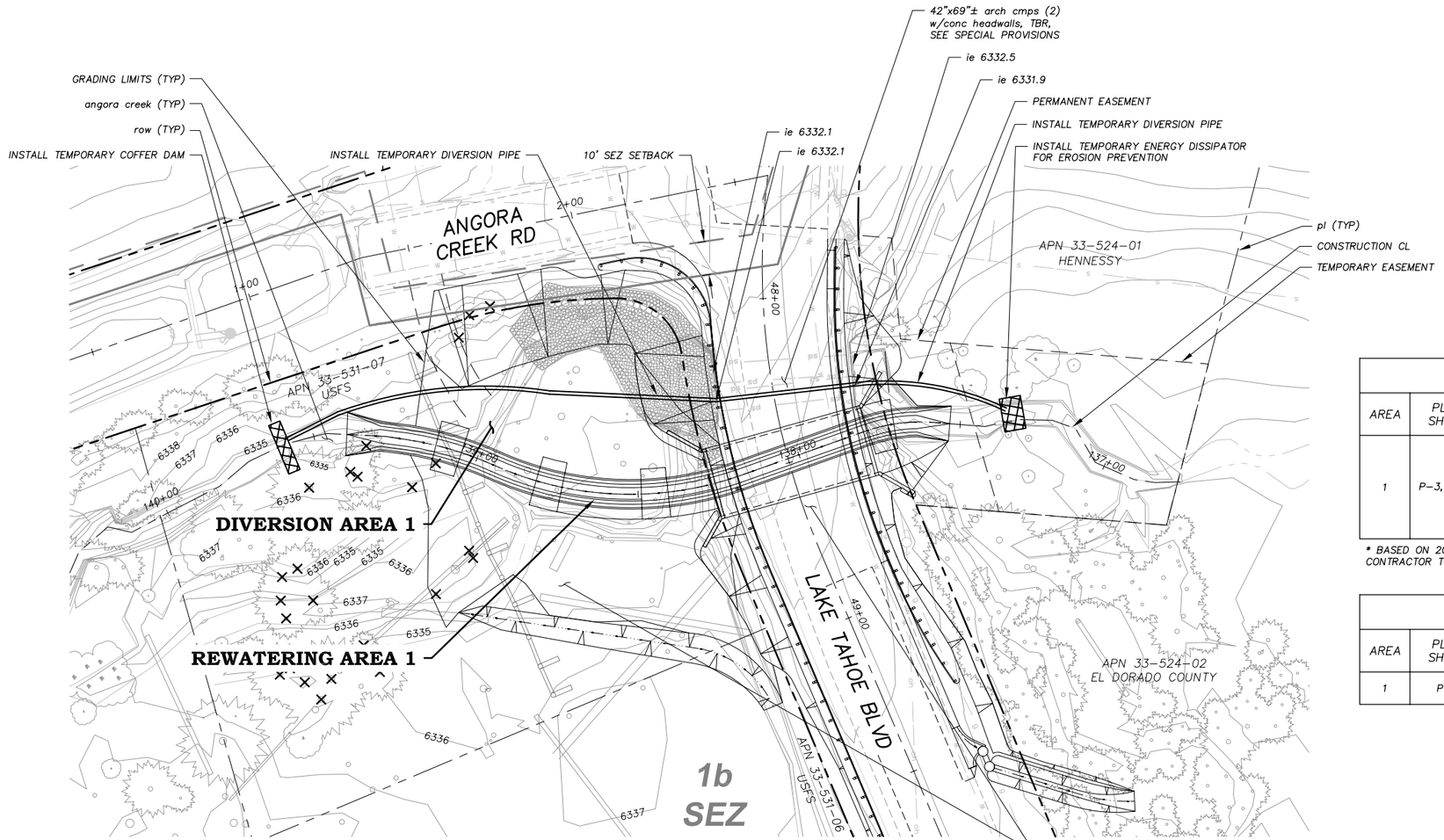
EL DORADO COUNTY DOT DEPT. OF TRANSPORTATION

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
TRAFFIC CONTROL AND STAGING PLAN

SHEET T-1
22 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.11



SCALE: 1"= 20'

NOTE: SEE DW-2 FOR DEWATERING AND SPRAY APPLICATION AREAS.

!! WARNING !!

THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

DIVERSION SITE

AREA	PLAN SHEET	APPROX STATION	DESCRIPTION	MIN FLOW*	MAX FLOW*
1	P-3, DW-1	137+50 TO 139+60	CONTRACTOR MAY INSTALL A GRAVITY SYSTEM OR A PUMPED SYSTEM. A COFFER DAM MUST BE INSTALLED IN THE EXISTING CREEK CHANNEL USING GRAVEL BAGS OR ANOTHER APPROVED EQUIVALENT TO ALLOW EITHER GRAVITY FLOW THROUGH A PIPED SYSTEM AROUND THE CONSTRUCTION AREA OR SO THE CREEK CAN POND AND FLOW PUMPED INTO A PIPE SYSTEM WHICH BY-PASSES THE CONSTRUCTION AREA. CONTRACTOR MAY UTILIZE THE EXISTING ARCH CULVERTS UNDER LAKE TAHOE BLVD.	0.03± CFS	10± CFS

* BASED ON 2004/2005 WATER YEAR MEASUREMENTS. NUMBERS SHOWN DO NOT ACCOUNT FOR STORM WATER FLOW INCREASES. CONTRACTOR TO CONSIDER STORM WATER FLOWS IN DESIGN OF DIVERSION SYSTEM.

CHANNEL FLUSHING AND REWATERING SITE

AREA	PLAN SHEET	APPROX STATION	DESCRIPTION OF PROPOSED IMPROVEMENTS
1	P-3	137+50 TO 139+60	NEW ANGORA CREEK CHANNEL.

LEGEND

- RIGHT OF WAY
- PROPERTY LINE
- LAND CAPABILITY BOUNDARY
- 10' SEZ SETBACK LIMIT
- EXISTING STORM DRAIN (sd / ps)
- EXISTING EDGE OF PAVEMENT
- PROPOSED SAWCUT
- PROPOSED IMPROVEMENTS

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\23_24 ANGFISH DEWATER.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER — STEVE PETER KOOYMAN — No. 55757 Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
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DATE: 3/5/10

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CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	---

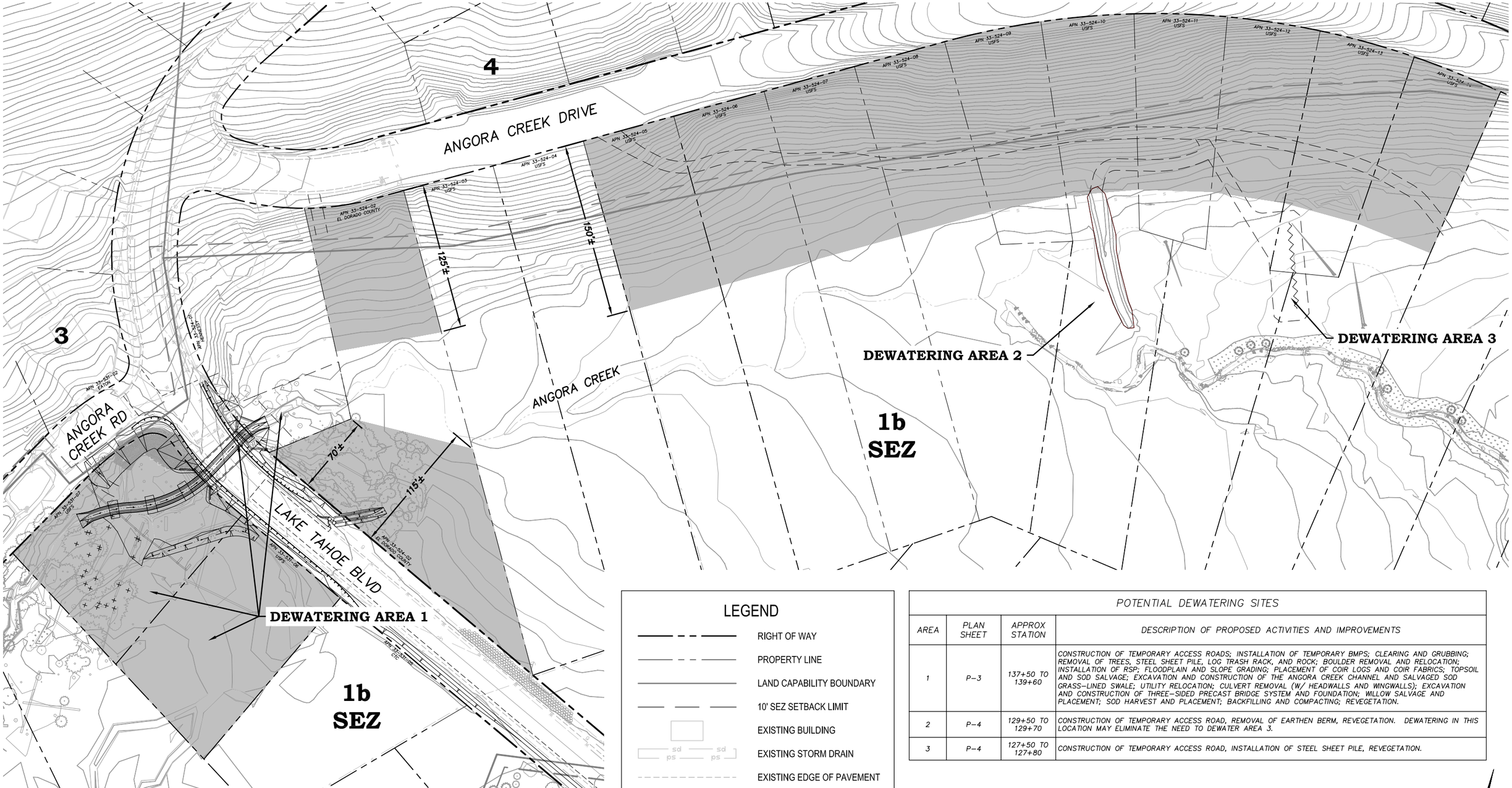
EL DORADO COUNTY DOT DEPT. OF TRANSPORTATION

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DEWATERING AND DIVERSION PLAN

SHEET DW-1
23 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.12



LEGEND

- RIGHT OF WAY
- PROPERTY LINE
- LAND CAPABILITY BOUNDARY
- 10' SEZ SETBACK LIMIT
- EXISTING BUILDING
- EXISTING STORM DRAIN (sd / ps)
- EXISTING EDGE OF PAVEMENT
- PROPOSED SAWCUT
- PROPOSED IMPROVEMENTS
- PORTIONS OF PUBLIC LOTS WHERE SPRAY APPLICATION WILL BE ALLOWED

POTENTIAL DEWATERING SITES

AREA	PLAN SHEET	APPROX STATION	DESCRIPTION OF PROPOSED ACTIVITIES AND IMPROVEMENTS
1	P-3	137+50 TO 139+60	CONSTRUCTION OF TEMPORARY ACCESS ROADS; INSTALLATION OF TEMPORARY BMPS; CLEARING AND GRUBBING; REMOVAL OF TREES, STEEL SHEET PILE, LOG TRASH RACK, AND ROCK; BOULDER REMOVAL AND RELOCATION; INSTALLATION OF RSP; FLOODPLAIN AND SLOPE GRADING; PLACEMENT OF COIR LOGS AND COIR FABRICS; TOPSOIL AND SOD SALVAGE; EXCAVATION AND CONSTRUCTION OF THE ANGORA CREEK CHANNEL AND SALVAGED SOD GRASS-LINED SWALE; UTILITY RELOCATION; CULVERT REMOVAL (W/ HEADWALLS AND WINGWALLS); EXCAVATION AND CONSTRUCTION OF THREE-SIDED PRECAST BRIDGE SYSTEM AND FOUNDATION; WILLOW SALVAGE AND PLACEMENT; SOD HARVEST AND PLACEMENT; BACKFILLING AND COMPACTING; REVEGETATION.
2	P-4	129+50 TO 129+70	CONSTRUCTION OF TEMPORARY ACCESS ROAD, REMOVAL OF EARTHEN BERM, REVEGETATION. DEWATERING IN THIS LOCATION MAY ELIMINATE THE NEED TO DEWATER AREA 3.
3	P-4	127+50 TO 127+80	CONSTRUCTION OF TEMPORARY ACCESS ROAD, INSTALLATION OF STEEL SHEET PILE, REVEGETATION.

!! WARNING !!

THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

NOTE: SEE DW-1 FOR DIVERSION AND REWATERING AREAS.

NOTE: PORTIONS OF BASE MAP REFLECTS PRE-ANGORA FIRE CONDITIONS.

SCALE: 1"= 40'

REVISION NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEERS — STEVE PETER KOOYMAN — No. 55757 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
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DATE: 3/5/10

DESIGNED:	DRAWN:
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CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	

EL DORADO COUNTY DOT — DEPT. OF TRANSPORTATION

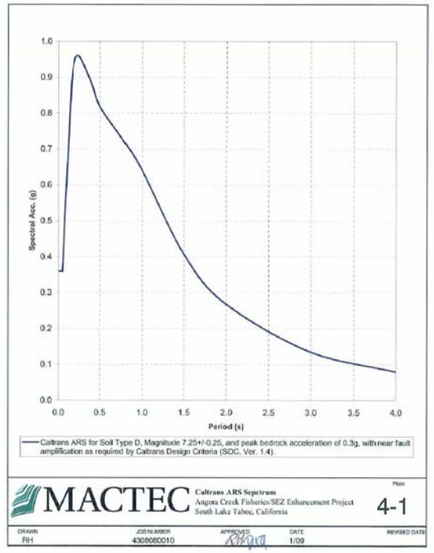
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

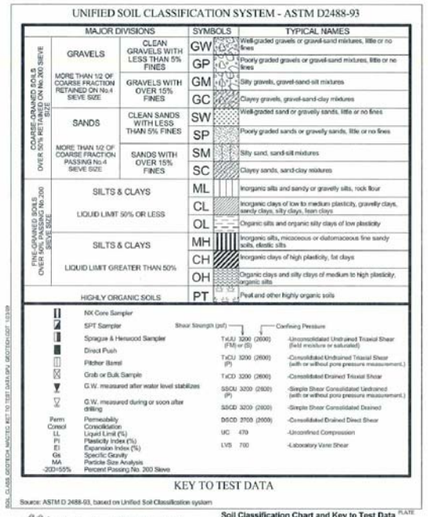
ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
DEWATERING AND DIVERSION PLAN

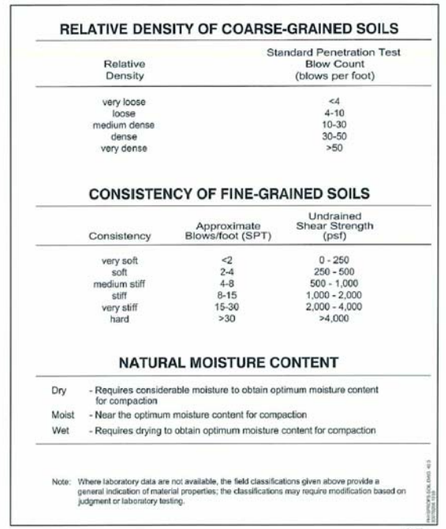
SHEET DW-2
24 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

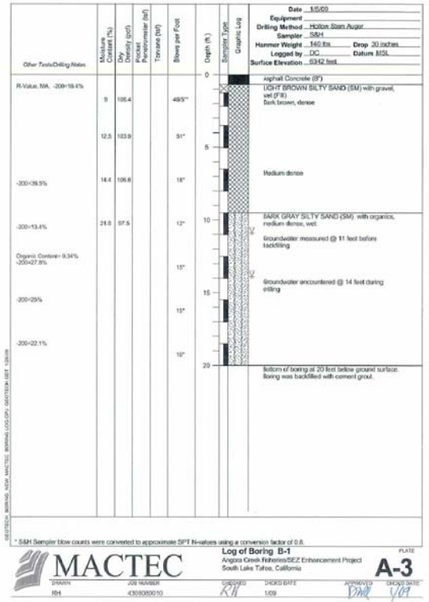
10-0073.C1.13

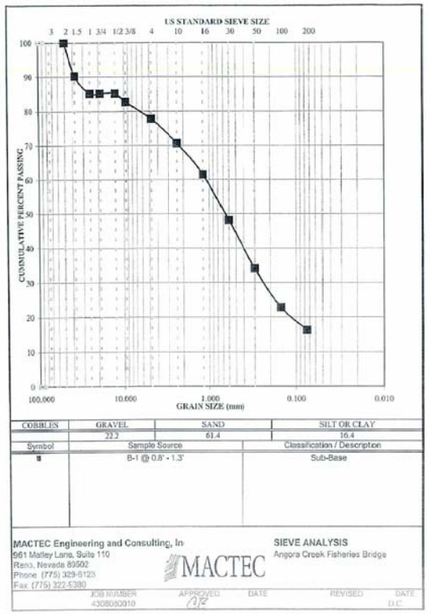
FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\23_24 ANGFISH DEWATER.dwg

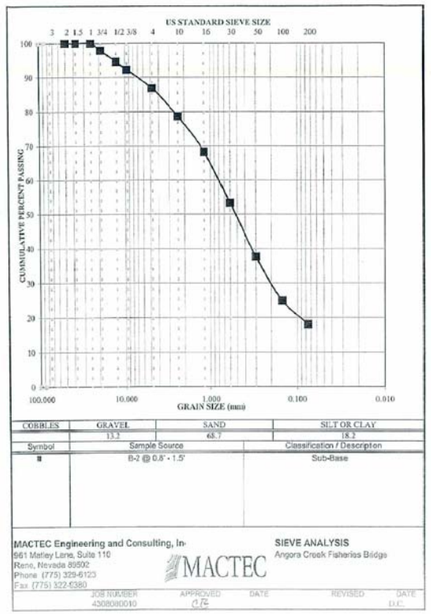


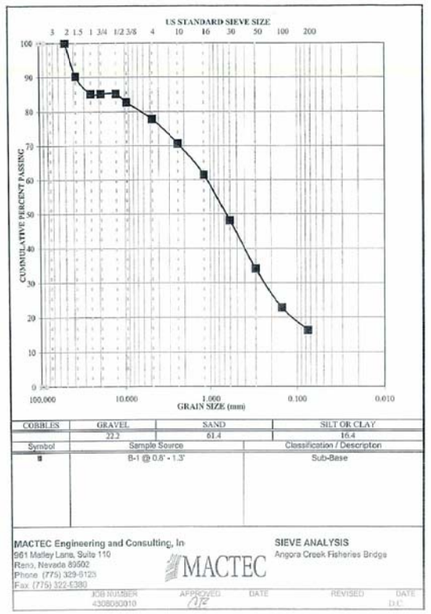


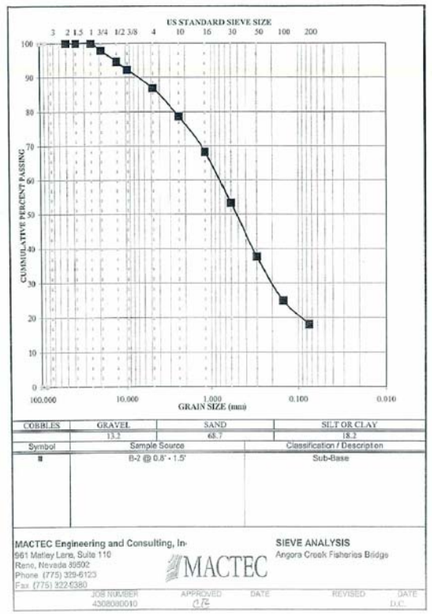


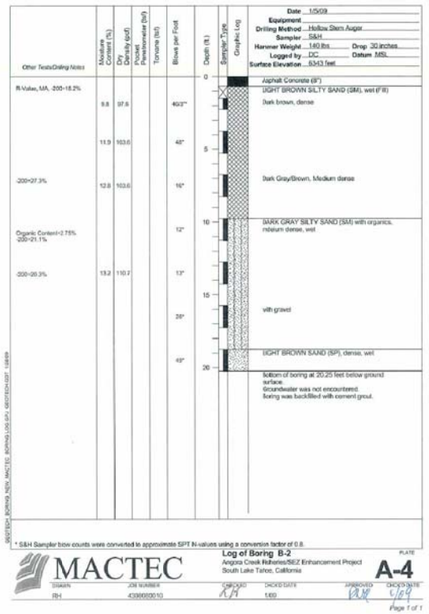












NOTE: PLATES WERE OBTAINED FROM A GEOTECHNICAL INVESTIGATION REPORT BY MACTEC ENGINEERING AND CONSULTING, INC., DATED JANUARY 29, 2009. A COPY OF THIS REPORT IS AVAILABLE FOR VIEWING AT THE EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION, SOUTH LAKE TAHOE OFFICE.

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES

REVISION

NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER STEVE PETER KOOYMAN No. 55757 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 3/5/10

DESIGNED:	DRAWN:
---	---
CHECKED: DP/JG	DATE: 03/10
ROAD NUMBER: ---	

EL DORADO COUNTY DOT DEPT. OF TRANSPORTATION

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
GEOTECHNICAL SURVEY RESULTS

SHEET G-1
25 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.14

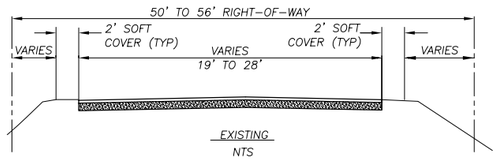
LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT (COVERAGE)
- PROPOSED EDGE OF PAVEMENT
- LAND CAPABILITY BOUNDARY
- 10' SEZ SETBACK LIMIT

LAND COVERAGE TABLE

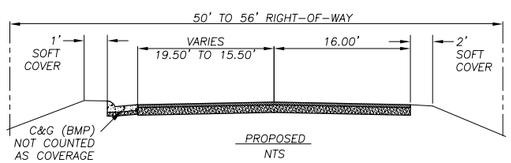
STREET NAME		LAND CAPABILITY CLASSIFICATIONS							
		1b		3		4		5	
		Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft
ANGORA CREEK ROAD			53	2587	430				
LAKE TAHOE BLVD		15270	1692					5557	679
TOTAL	Proposed	15270	1745	2587	430			5557	679
	Existing	12961	1941	2588	435			4577	666
Coverage Transfer (−)In/Out		−2309	196	1	5			−980	−13
SEZ Mitigaton Factor 1.5:1		3463.50							

TYPICAL ROADWAY SECTIONS



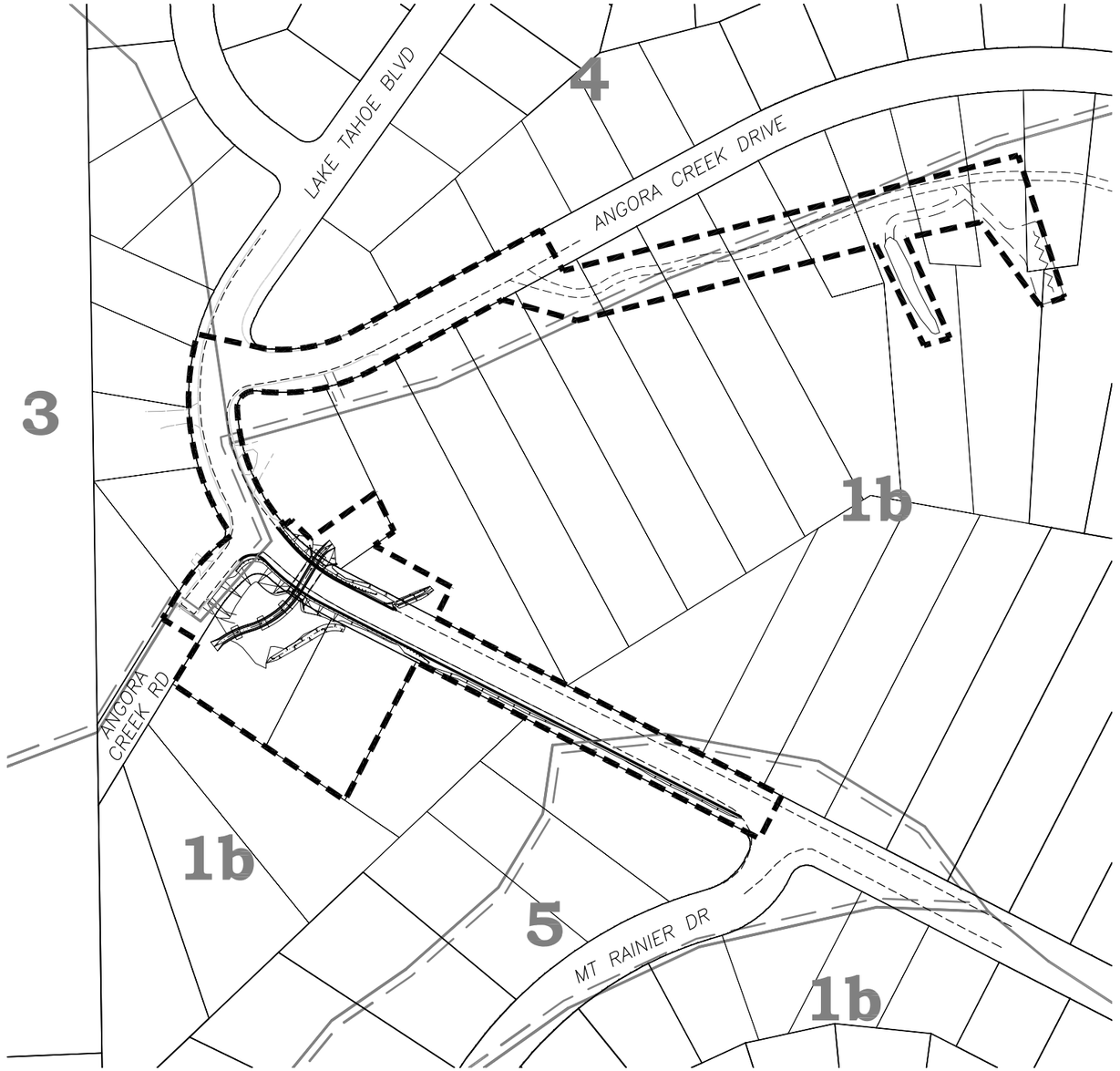
NOTES:

1. A 2 FOOT ROAD SHOULDER WIDTH AS SHOWN WAS DEFINED AS SOFT COVER THROUGHOUT THE PROJECT IMPROVEMENT AREA.



NOTES:

1. A BANKING REQUEST FORM WILL BE SUBMITTED FOR ALL LAND COVERAGE TRANSFERS.
2. SEE CROSS-SECTION SHEETS FOR PROPOSED SECTIONS.



0' 40' 80'
SCALE

FOR REDUCED PLANS 0 1 2 ORIGINAL SCALE IS IN INCHES

Drawing name: S:\SDSK\proj\95161\dwg\FINAL PLANS\26 ANGFISH LC.dwg

REVISION NUMBER	DATE	DESCRIPTION	BY
		REDUCED SIZE NOT TO SCALE	

REGISTERED PROFESSIONAL ENGINEER — No. 55757 Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF :
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DATE: 3/5/10

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ALD	ALD
CHECKED:	DATE:
DP/JG	03/10
ROAD NUMBER:	---

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

ANGORA CREEK FISHERIES/SEZ ENHANCEMENT PROJECT
EXISTING AND PROPOSED
LAND COVERAGE

SHEET L-1 26 OF 26
CONTRACT NO. PW 09-30486
CIP NO. 95161

10-0073.C1.15