## COUNTY OF SANTA CRUZ PLANNING DEPARTMENT 701 Ocean Street, 4<sup>th</sup> Floor Santa Cruz, CA 95060 (831) 454-2580

### NOTICE OF PENDING ACTION

The Planning Department has received the following application. The identified planner may be contacted for specific information on this application.

APPLICATON NUMBER: 201109 APN: 053-131-17 SITUS: 1500 Bonita Dr., Aptos 95003

Proposal to complete a Time Extension to Permit 161033 to demolish an existing well pump house and associated improvements and to construct a water treatment facility to include a 4,032 square foot treatment building approximately 25 feet in height, standby emergency generator, site access improvements including widening the existing driveway access and construction of a second access bridge, outdoor brine/salt storage and brine waste tanks, storm water detention basin, 590 feet of sewer force main within the County right-of-way extending from the treatment facility to the existing sanitary sewer near the intersection of Bonita Drive and Zanzibar Drive, 1,530 cubic yards of grading, removal of seven trees approximately fifteen inches or less in diameter, and other associated facility improvements. The project requires a Time Extension to Coastal Development Permit and a Preliminary Grading Approval 161033.

**OWNER: Soquel Creek Water District** 

APPLICANT: Michael Wilson SUPERVISORIAL DISTRICT: 2

PLANNER: Sheila McDaniel, (831) 454-2255 EMAIL: Sheila.McDaniel@santacruzcounty.us

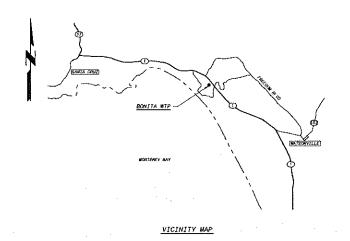
Public comments must be received by 5:00 p.m. May 29, 2020.

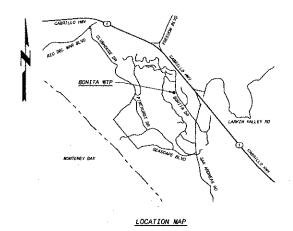
A decision will be made on or shortly after June 1, 2020.

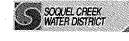
Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date. Planner will provide notification of decision to any requesting party. Information regarding the appeal process, including required fees, may be obtained by phoning (831) 454-2130.

# SOQUEL CREEK WATER DISTRICT HEXAVALENT CHROMIUM REMOVAL PROJECT

AUGUST 2016 COASTAL DEVELOPMENT PERMIT







SOQUEL CREEK WATER DISTRICT

APPROVED BY: ENGINEERING WAVAGER

MIE

APN: 053-131-17

CWO 11-140

PRELIMINARY - NOT FOR CONSTRUCTION





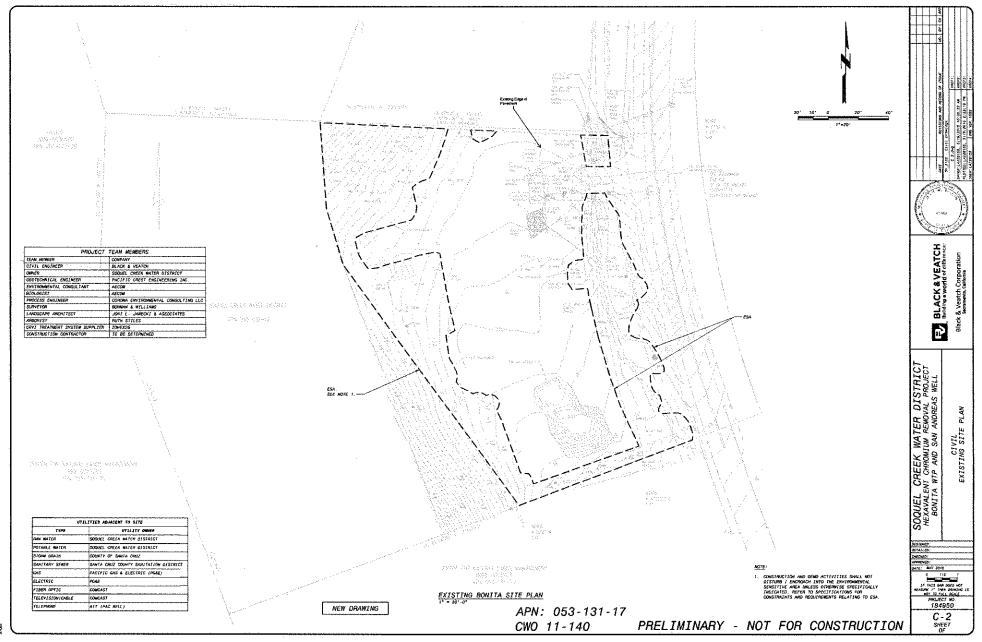
BLACK & VEATCH

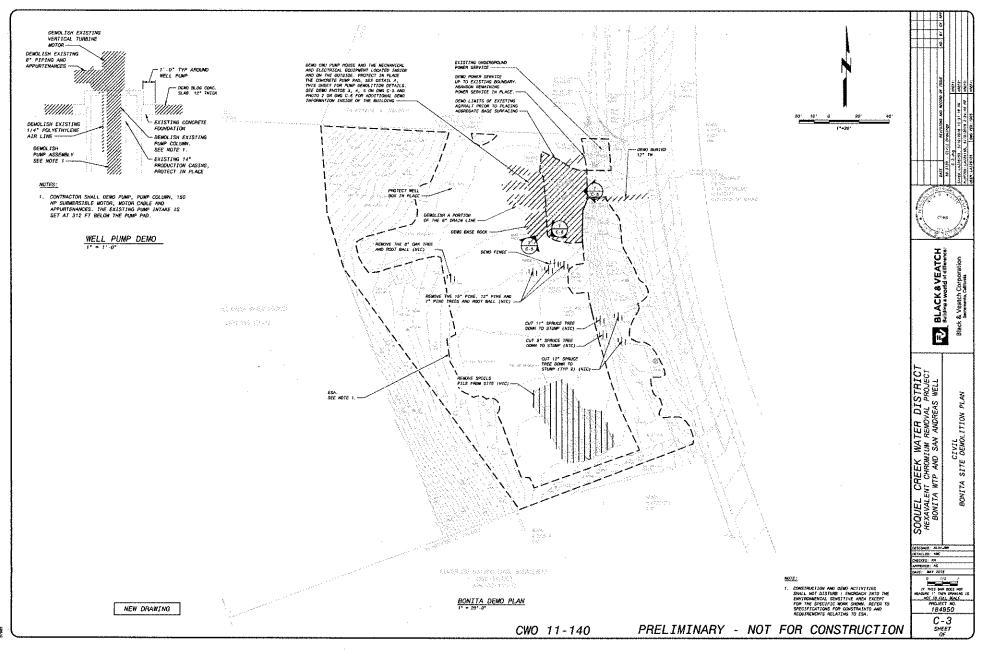
Furnish a world of entrumer

Black & Vertch Corporation

SOQUEL CREEK WATER DISTRICT
HEXAVLENT CHROMIUM REMOVAL PROJECT
BOWITA WIP AND SAN ANDREAS WELL
GENERAL

PROJECT NO. 184950 G - 1 SHEET







THE AVOIDANCE MEASURES INDICATED BELOW AND CONTINUED ON DWG G-7 SHALL BE INCORPORATED IN TO THE PROJECT, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

AND DINGE MEASURE 1. MINITAR AND DAME: THE PROJECT DEVELOPMENT AREA AT THE TREATMENT FACILITY SITE SHALL BE RESTRICTED.
TO LOCATIONS OUTSIDE OF IDENTIFIED HASHITAT FOR SWITA CHOIZ LOWN-TOLD DAMANUMER (SCLIPS). TO ANDLO DISTURBANCE OF THE
DATAMACE AND THATAINS CONSTRUCT OF CONSTRUCTION OF THE ACCESS DRIVENAY, BRIDGES SHALL BE CONSTRUCTED TO SPAN OVER THE
DATAMACE (SEE MEASURE 3: DRIVENAY BRIDGE DESIGN).

AVOIDMEN MEASURE 2 - STORMMIER BASIN DESIGN. THE PROJECT STORM MAYER BASIN SHALL BE DESIGNED TO AVOID ADVERSE REFECTS TO SCILS BY EMSHRING THAT APPROPRIATE EXCUSSION STRUCTURES (2.6., EXCLUSION FERCING) AND IN PLACE AROUND THE PROPOSED BASIN TO PREVENT SLAMMINGES FROM CETTING TRAPPED IN THE BASIN.

AVOIDANCE MEASURE 3 - DRIVENAY BRIDGE DESIGN: THE BRIDGE INSTALLED AS PART OF THE PROJECT, ASHERES TO THE FOLLOWING DESIGN AVOIDANCE MEASURES:

- GROWD DISTURBANCE WITHIN THE DRAINING AND RIPARIAN CORRIDOR ALONG THE EASTERN EDGE OF THE SITE SHALL BE AVOIDED THROUGH THE USE OF A CRAME TO INSTALLED PRE-FABRICATED BRIDGES ON ABUTMENTS AND POSITIONS LOCATED OUTSIDE OF THE RIPARIAN ORNIDOR AND ESTABLIST WHITTAL
- ANY REQUIRED YESETATION REMOVALITEIMMING TO ACCOMMODATE THE BRIDGE SHALL NOT INCLUDE THURK OR MOOT REMOVAL. TREE STAMPS AND ROOTS WILL BE RETAINED TO AVOID ANY GROUND DISTURBANCE.
- MENT OF THE VICE EATION RESIDUALITIESHIPS WILL BE FOR HOM HATTIE VICESTATION. HOMERS, AND SOMENCE, FOLLOW, AND ORIGINATION HATE CLARIT SOME VICESTATION HAS COLLECTED FROM HATTER PLANT OF LAND VICESTATION WILL BE VICESTATION HAT HE SERVED MINIOUNING THE APPARENCE AND LOGGING ON HE AND MODIFY STREAM OF HE VERY AREA AS LEAF-LIFTER, HEADH, AND MODIFY CERTS TO EMPIRE WESTATI FOR SMITA CRUE
  COURS TOOD SHAMMORERS.

AVOIDANCE MEASURE 4 - SEMER FORCE MAIN: THE SEMER FORCE MAIN SHALL BE DESIGNED TO AVOID OPEN TRENCH CONSTRUCTION THROUGH THE SCLTS DRAINAGE.

AVOIDANCE MEASURE 5 . LIGHTING: REFER TO ELECTRICAL DWGS FOR AVOIDANCE MEASURE.

AVOIDANCE MEASURE S. SECONDARY CONTAINMENT: ALL TANKS AND STATIONARY EQUIPMENT THAT THYOLVE THE USE OF HAZAROXUS WASTE, GENERALS OF FREE SMILL PROVIDED WITH SECONDARY CONTAINMENT AND WILL BE OFFERTED IN ACCOMMANDE WITH ALL APPLICABLE FREEDRITH SECONDARY WASTE, AND THANKEROTH OF SUCH METERIALS.

AVOIDMEN MEASURE 4 - PROJECT TIMING: PROJECT CONSTRUCTION ACTIVITIES THAT OCCUR OUTSIDE THE PART OF THE THEATMENT FACILITY SITE PROTECTED OF EXCLUSION FENCING, IF ANY, SHALL BE TIMED TO OCCUR OWNING THE SHY SEASON (IMMERIEDING SEASON FOR SHATL CHIEF CONCINCTION OF THE THROUGH OCTOBER 15) TO MINIMIZE POTENTIAL EFFECTS TO SALAMANDER BREEDING AND DISPERSAL

AND DUES MESSIES D. MONTHMENTH, AMERICA'S TRAINING, BEFORE THE STAPE OF CHARGE SUSTINGUE ACTIVITIES AT THE TRAINING FACILITY STEEL. THE ADDRESS BECAUSE TO SALL TRAINING AND IMPRESSEME AND CHARGESTER AND ADDRESSES TRAINING SESSIE FOR ROWERS HAD WILL BE CHARGETTER THE CONSTRUCTION ACTIVITIES AND CHARGET AND THE PROJECT SITE. THAINING WEFFILMS WILL DUESCHE SUSSESSION OF THE FELLOWING:

- FEDERAL ENDANGERED SPECIES ACT, THE CALIFORNIA ENDANGERED SPECIES ACT, FISH AND GAME CODE, THE MIGRATORY BIRD TREATY
  ACT, AND THE CLEAR WATER ACT.
- CONSEQUENCES AND PENALTIES FOR VIOLATION OR NONCOMPLIANCE WITH THESE LAWS AND REGULATIONS AND PROJECT PERMITS.
- IDENTIFICATION AND VALUE OF SPECIAL-STATUS PLANTS, SPECIAL-STATUS WILDLIFE, AND JARISDICTIONAL MATER, AND EXPLANTIONS REGARDING THEIR VALUE, SPECIFICALLY EMPHASIZE IDENTIFICATION AND IMPORTANCE OF THE SANTA CRUZ LONG-TOED SALMANAGER AND 15 HORITORY.
- HAZARDOUS SUBSTANCE SPILL PREVENTION AND CONTAINMENT MEASURES.
- CONTACT PERSON IN THE EVENT OF THE DISCOVERY OF A SANTA CRUZ LONG-TOED SALAMANCEA OR A DEAD OR INJURED WILDLIFE SPECIES.
- . REVIEW OF AVOIDANCE WEASURES.

IN THE TRAINING, PROJECT RUMNING IN RELATION TO SPECIES' HABITAL AND SPECIES' LIFE STAGE REQUIREMENTS SHALL BE DEVAILED AND DISCUSSED ON PROJECT MAPS, WHICH SHALL SHOW AREAS OF PLANNED ANDIDANCE MEASURES.

A FACT SHEET CONVEYING THIS IMPONANTION SHALL BE PREPARED BY THE PROJECT BIOLOGIST FOR DISTRIBUTION TO THE PROJECT MORRIES AND OTHERS WHO EXTEN THE PROJECT AREA. ON COMPLETION OF THE TRAININM, PROJECT KNOWERS SHALL SIGN A FORM STATUM THE THE PROBLEM THE PROSENTION, AND THE CONSTITUTION EXPOSED THE TRAINING REQUIREMENTS. ALL SINSECURINT OF THE BROWNING HOTO THE CONSTRUCTION STATUM OFFICE THIS THANDING REGION THE STITL THE CONTRICTION SHALL AND RECEIVE THIS THANDING REGION THE STITL THE CONTRICTION SHALL BEFORE THE SITUM OF MEETER OF SITE ALL THREES.

NOTIONEE MANUE 10. CELLISTON FENCING: EXCLUSION FENCING HILL BE USED TO ESTABLISH MON-DISTURBANCE EXCLUSION FUNCING TO THE USED TO ESTABLISH MON-DISTURBANCE EXCLUSION FENCING THE USED THE USED THE FESTIVE AND ASSOCIATION FUNCING THE USED THE USED

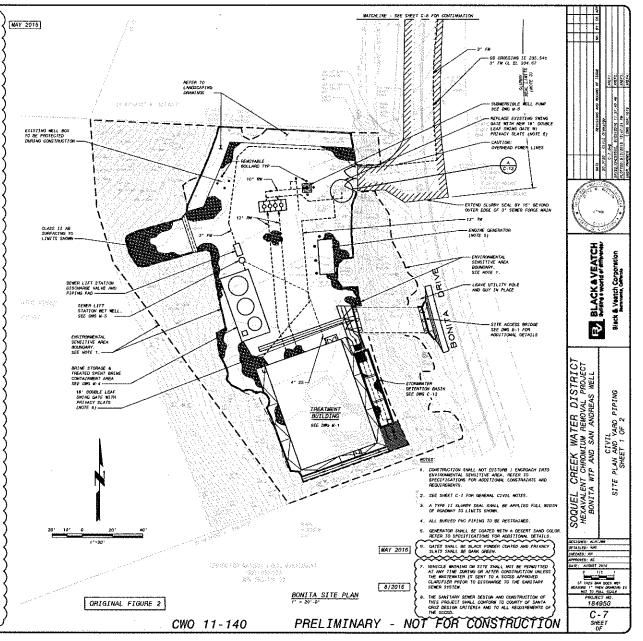
THE WILLIEF EXCLUSION FROM PROTECT WILL BE COMPOSED OF LIGHTETHET PLASTIC MESS FARMS, LETTING FROM DESIGNED WITH ONE MAY EXCHANGE TO ALLOW AN INDICATE THE PLASTIC TOWNESS OF A LICE OF THE PLASTIC STREET OF THE PLASTIC ST

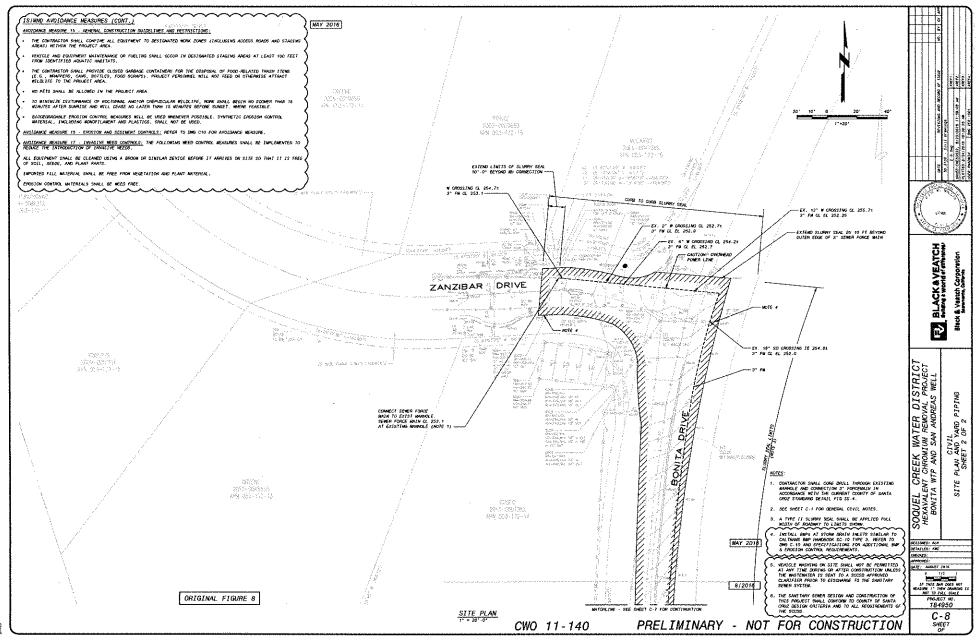
AND LINES, WASSER 11. PRECINCE PRESENTED SHEET, WITHIN IN A WEST PRIOR DISTRICTOR, ADVAND-DISTRICTOR ACTIVITIES, THE PRESENT FOR LITT OF THE PRIOR DISTRICTOR ACTIVITIES, THE PRESENT FOR LITT CONSTRUCTION ACTIVITIES, THE STEAM FOR THE PRIOR DISTRICTOR ACTIVITIES TO ASSESS THE SITE OF THE PRIOR FOR THE PRIOR OF THE PRIOR ACTIVITIES OF THE PRIOR WITH ACTIVITIES OF THE PRIOR WITH ACTIVITIES OF THE PRIOR ACTIVITIES

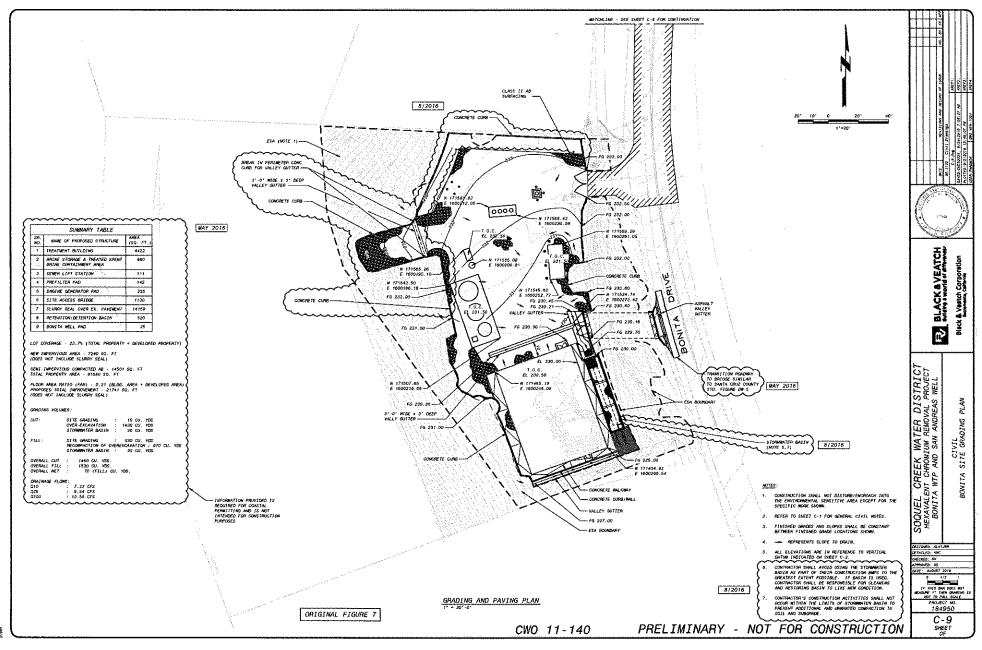
ANDDUCE BRADER 12 - CONSTRUCTION MUSTICATING IN QUALIFIED BIOLOGIST SHALL BE PRESENT AT THE THEATHERN FACILITY SITE DURING THE DISCULLATION OF EXCLUSION FERCING. INSTRUCTION FOR BRIDGES, MAJOR GROUND DISTRIBUTION FOR THE PROPERTY OF THE P

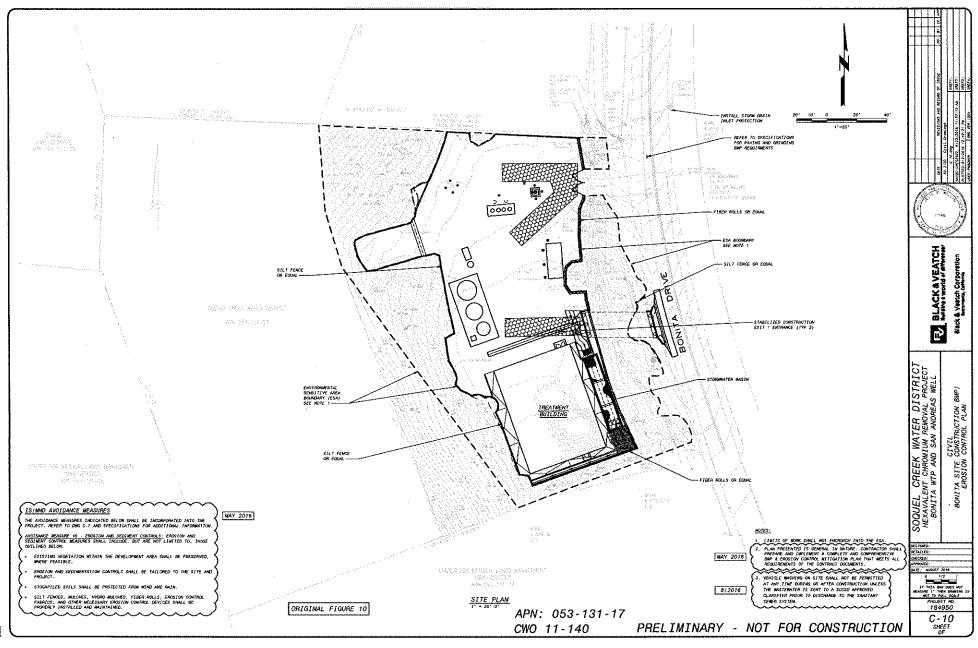
INCLODED MATERIAL 13. COLOMBER AND INCLODED. TO PROPER IMPOSPRING FOR THE OWNER OF THE OWNER AND INCL. DUTING PROBLEM OF OWNER AND INCL. DUTING PROBLEM OF OWNER AND INCL. DUTING PROBLEM AT THE COLOMBER AND INCL. DUTING PROBLEM AT THE COLOMBER AND INCL. DUTING PROBLEM AND INCL. DUTING PROBLEM AND INCL. DUTING PROVIDED BY AND INC. DUTING PROBLEM AND INCL. DUTING PROBLEM AND INCL. DUTING PROVIDED BY AND INC. DUTING PROBLEM SECOND FOR THE OWNER OWNER AND INCL. DUTING PROBLEM AND INCL. DUTING PROBLEM AND INCL. DUTING PROBLEM AND INC. DUTING PROBLEM AND INC.

ANDIQUES MEASURE 14 - BRIDGE CONSTRUCTION: TO CONSTRUCT SPIDES ABUTURNS AND FOOTINGS (AND GUARGERIL) ON EITHER SIDE OF THE SHRETTIVE DRAINGAE PARE, WILLETTE EXCUSTON FENCINS SHALL BE INSTALLED GETWENT HE WORK AREA AND THE SECSITIVE WILLITE ON MANY MARK AND EXCUSIONED IN MICHIGATION, ALL EXCUSTRENT AND PROPERTIES, THE WORK AREA AND THE SECSITIVE WILLIES FOR THE SHOULD SHOULD STATE OF THE ORDER SHALL STATE OF THE SHOULD SHALL SHOULD SHALL REGULAR. THE PRESENCE OF A CHARLETER BIOLOGIST.

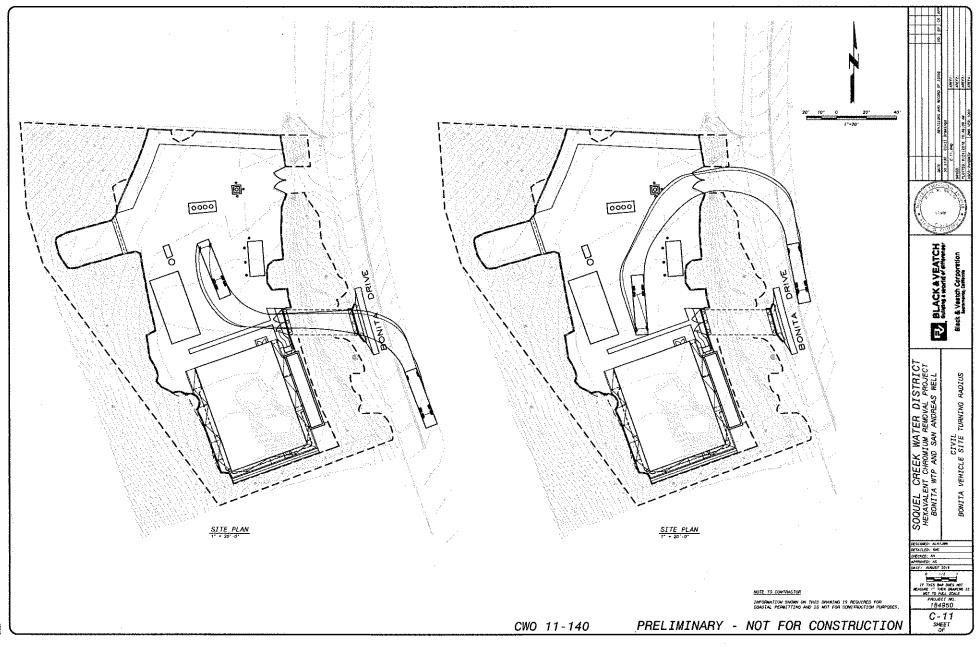


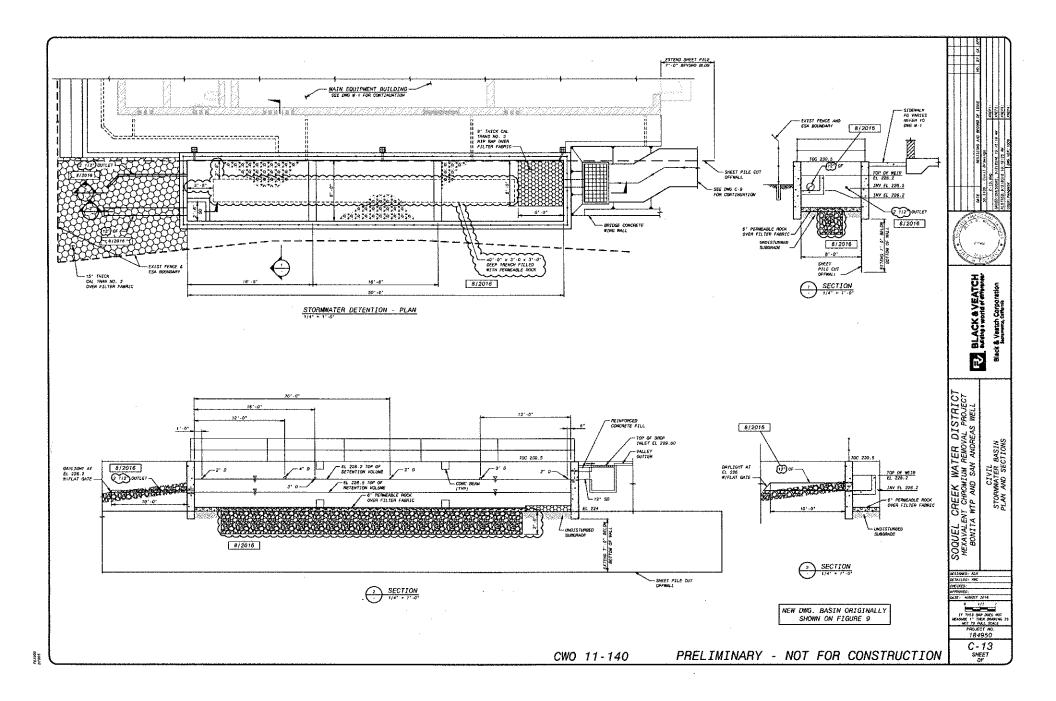


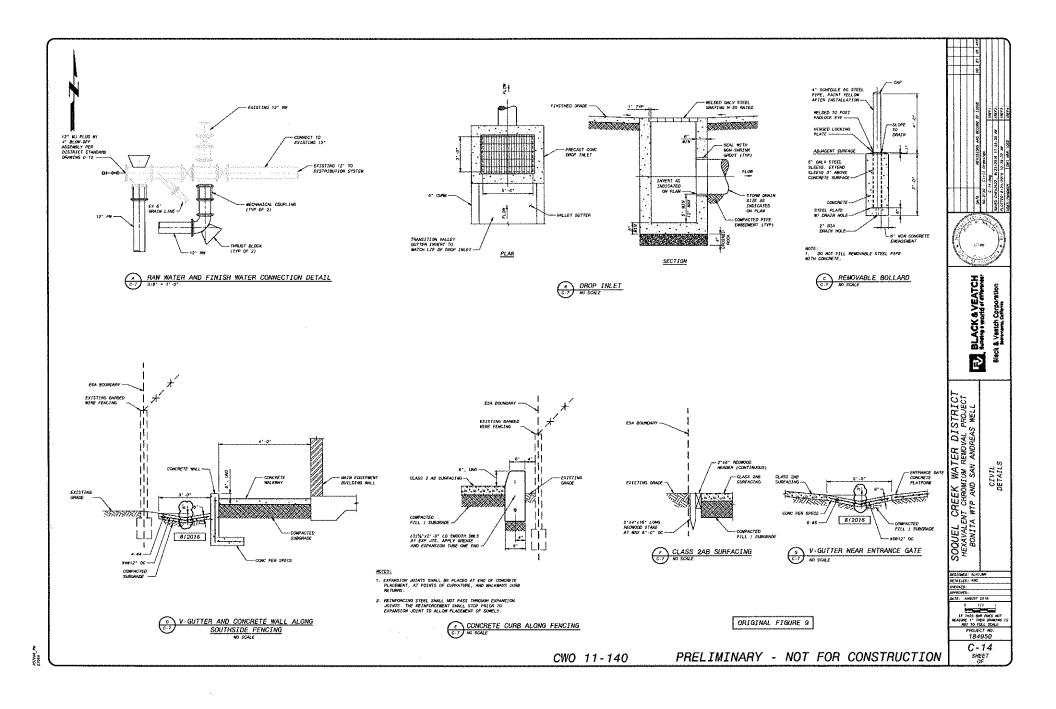


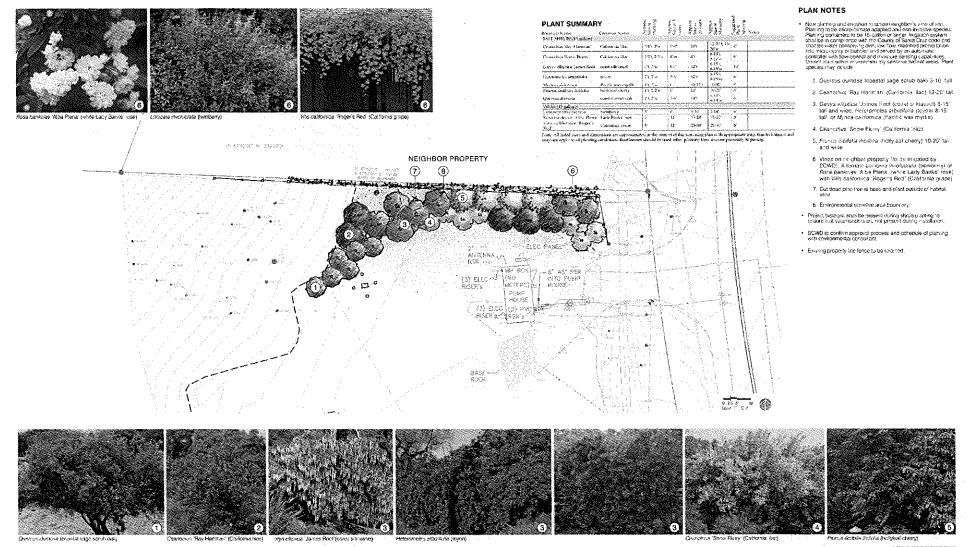


Diopo









Bonita WTP - Soquel Creek Water District CONCEPTUAL LANDSCAPE SCREENING PLAN & IMAGES - L1.0

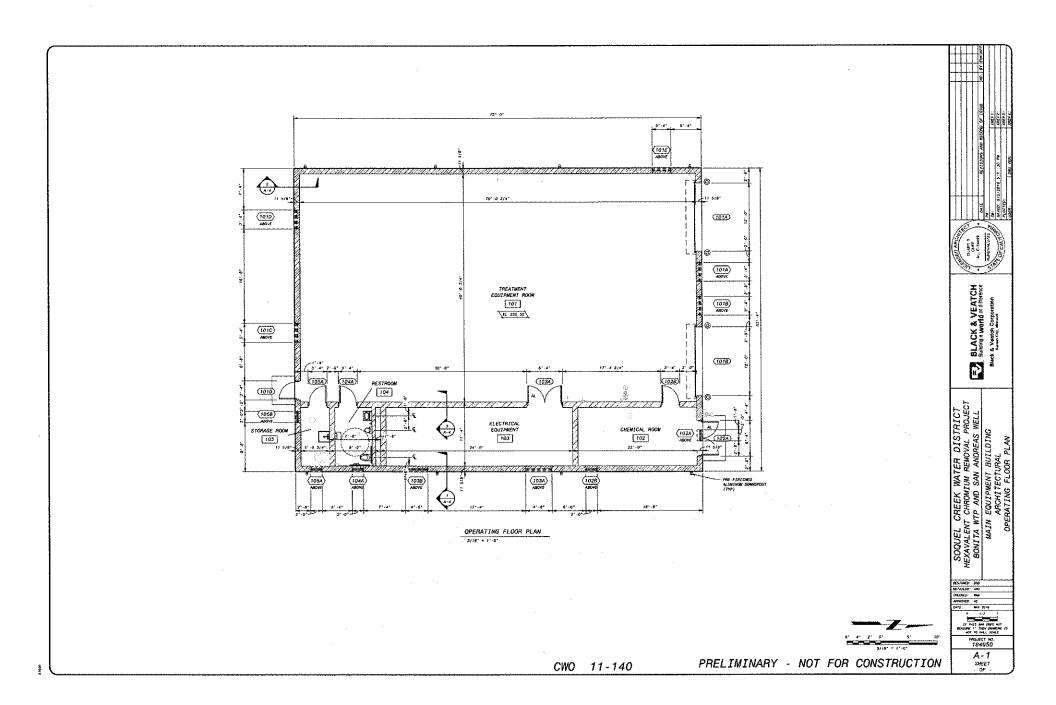
AUGUST 7, 2015 APN: 063-191-17

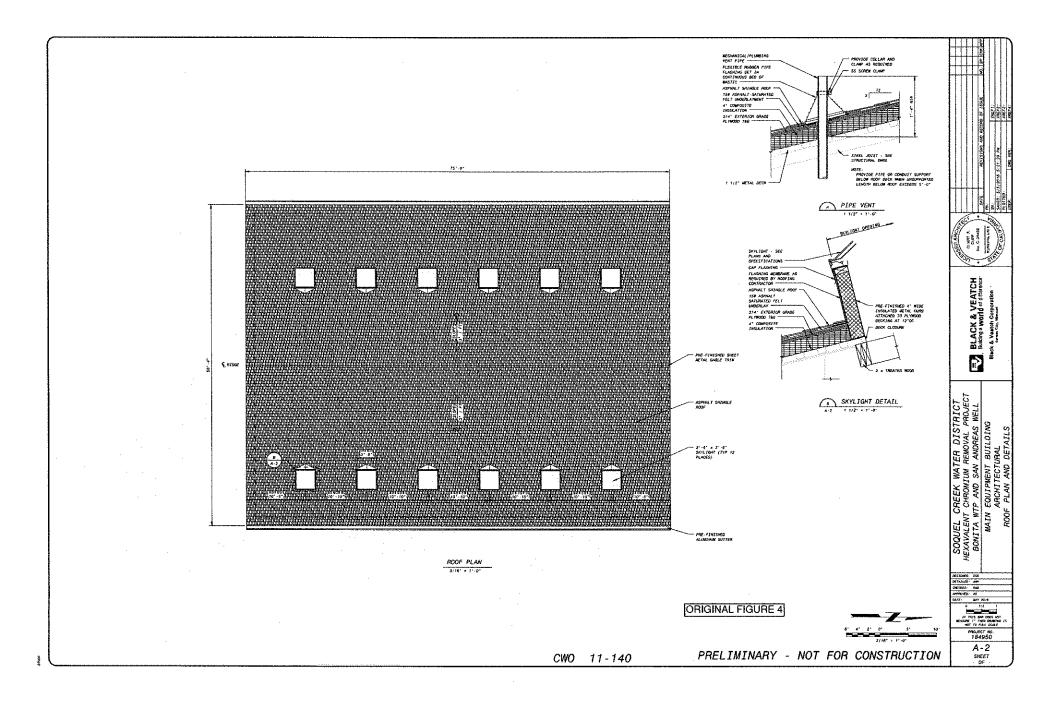


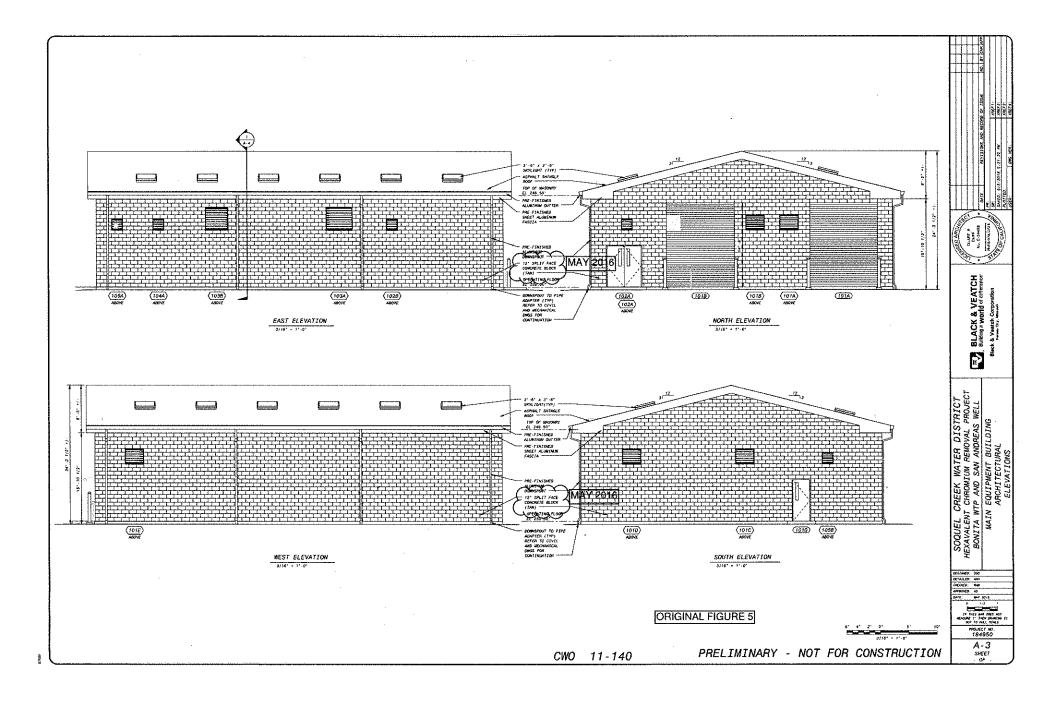
ORIGINAL FIGURE 13

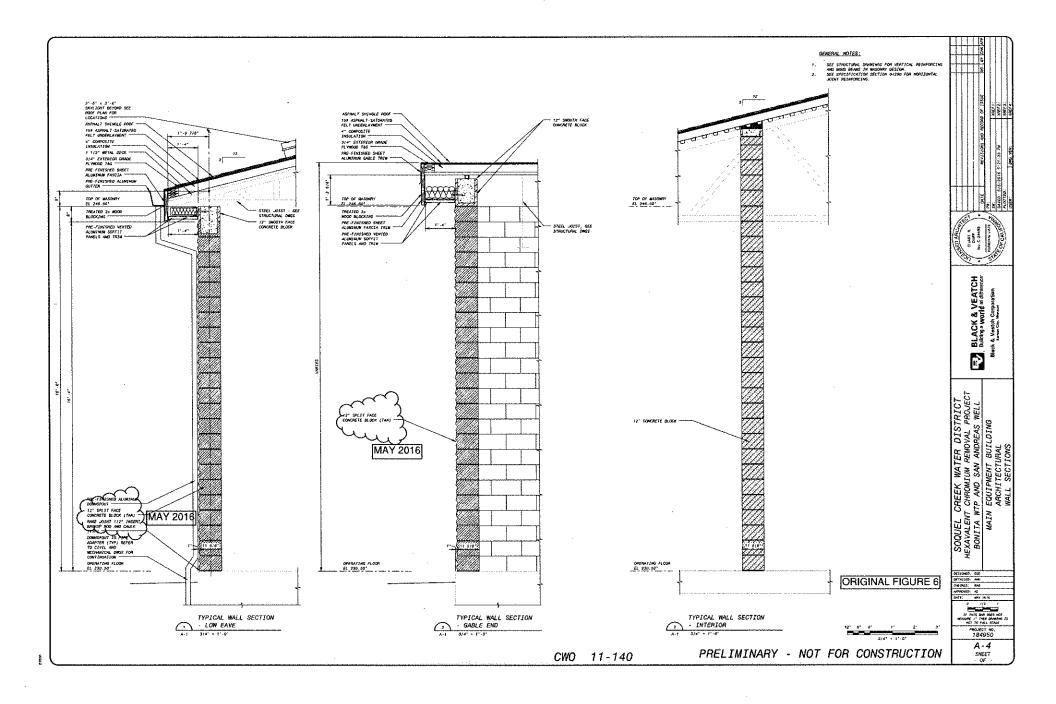
and the second of the second o

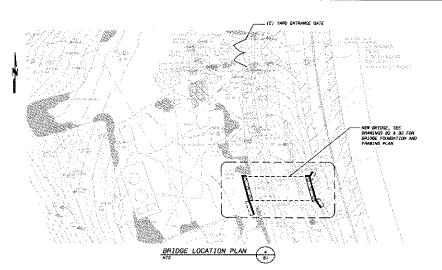
L-1: LANDSCAPING PLAN











#### 1. SCOPE OF WORK & SEQUENCE OF WORK

- CONSTRUCT A NEW CONCRETE BRIDGE WITH STEEL STRINGERS OVER A DRAINAGE DITCH.
- THE BRIDGE DESIGN WAS DEVELOPED BASED ON THE FOLLOWING ASSUMED CONSTRUCTION SEQUENCE:
  - 1. COMMUNICAT NEW CONCRETE PIERS & CAPS
  - 2. INSTALL STEEL STRINGERS, CONDUGATED STEEL FORM WITH COMPRETE INFILL AND GUARDRAIL.
  - 3.COMPLETE GRADING WORK, CONC. APRONS AND OTHER MISC. WORK,

#### II. STRUCTURAL DESIGN CRITERIA

CALTRANS ; AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
2012 EDITION.

#### III DESIGN LOADS

- f. LIVE LOAD: HS20 TRUCK LOADING.
- 2. THERMAL FORCES FROM 30 F TO 120 F SECT. 3.16.
- 3. ACTIVE EARTH PRESSURE: 45 PCF EQUIVALENT FLUID
- 4. ALLOWARLE SOIL BEARING PRESSURE: 2,000 PSF PER GEOTECH SOIL ENGINEER'S RECOMMENDATION.

- 5. DRILLED PIER SKIN FRICTION 300 PSF. SEISMIC PEAK GROUND ADCELERATION, 0.446.

SITE CLASS &-STIFF SOIL

#### IV REFERENCES

1. TOPO SURVEY PER BAY DRAWING # 255797PG, DATED 12-12-2014.

2. GEOTECH INVESTIGATION REPORT (PROJECT NO. 1469.1-5270-1461) FOR BONTTA DAIVE TREATMENT PLANT, TOODIE WATER DISTRICT BONTTA WELL STE, APTOS. CA PREPARED BY PACIFIC CHEST ENGINEETING, THE. ISSUED SEPTEMBER DAIL WITH ADDRESS TO GEOTECHICAL INVESTIGATION FOR PREPARED BY PACIFIC CHEST BONTEST TO CHEST CHEST BONTEST CONTROL WITH ADDRESS OF PACIFIC CHEST BONTEST CHEST CHEST

#### GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CAL DSMA REQUIREMENTS & APPLICABLE CODES, DWDIMANCES, RULES AND REGULATION OF THE GOVERNING AGENCIES.
- DO NOT SCALE BRAWINGS. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERFIED BY THE CONTRACTOR. OFFAILS NOT SPECIFICALLY SHOWN SHALL BE OF SAME HATURE AS OTHER SIMILAR CONDITIONS.
- 3. If 15 the compaction's responsibility to stableze and/or to stable de structures as regulade for the new mork. Compactor sould provide adocularly sympholes system and pall projection measures for any local codes and regulation maintained for the project. DURING THE CONSTRUCTION PERIOD.
- 4. THE CONTRACTOR SHALL MOTTEY THE ENGINEER AT LEAST FIVE DAYS PATOR TO EACH OF BUT NOT LIWITED TO THE FOLLOWING EVENTS SO THAT THE ENGINEER MAY MAKE THE APPROPRIATE JOB SITE REVIEW:
- A. REVIEW OF FOUNDATION SOIL UPON COMPLETION OF EXCAVATION AND PIER DRILLING.
- B. PRIDE TO PLACING CONCRETE FOR PIERS/CAPS FOR REBAR PLACEMENT REVIEW.
- C. PAIGA TO INSTALLATION OF STEEL STRINGERS FOR REVIEW OF ANCHOR BOLTS IN PIER CAPS.
- D. REVIEW OF WELDED STUDS IN STRINGERS, METAL DECKS & REBARS FOR BAIDGE DECK.
- E. FINAL COMPLETION OF THE BRIDGE PROJECT FOR OVERALL COMPLIANCE OF MORK.

#### 11. SITE WORK & FOUNDATION

- FOUNDATION INCLUDING PIER CAPS & FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED, COMPETENT MATIVE SOIL OR ENGINEERED FILLS AT OR EXCEEDING DEPTH SHOWN ON ORAWING.
- 2. DRILL PIERS SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATION OF THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MOTIFY THE GEOTECHNICAL BENGERE FOR REVIEW AND APPROVAL OF THE DRILLED DEPTH FOR ALL PIERS PRIOR TO PLACTUR RETERROPCION STEEL CAGES.
- 3. ALL FOOTING EXCAVATIONS SHALE BE NEAT. OVER EKCAVATIONS IN DEPIH AND WIDTH SHALL BE FILLED WITH CONCRETE. ALL LOOSE SOLICE SHALE BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF CONCRETE.
- 4. BACKFILL MATERIAL SHALL BE IMPORTED FILL OR MATIVE MATERIAL MOT TO EXCEED 3' IN DIAMETER AND COMPACT TO SOL PER RECOMMENDATION OF THE GEOTECHNICAL REPORT.
- 5. CLASS 2 ASSREGATE BASE MATERIAL SHALL BE 314" MAX.
  GRADATION COMPONENTS TO DIMERS STANDARD SPECIFICATIONS

#### 111. ¢ONCR€TE

- 1.CONCRETE WORK SHALL CONFORM FD ACI 318, LATEST EDITION.
- 2. CONCRETE STRENGTH AND NEX REQUEREMENTS:

LOCATION	COMC	MAX SIZE		SACK PER
	STRENGTH	AGGREGATE	SLUW	CY
-PIERSICAPS	4,000 PS.	3/4	31	6.5 NIA
-MISC.	3,000 PST	3/4*	4*	6.0 MIN.
COMPRETE 470	ENTER THREAT?	CURLL DE M.		

- 3.REINFORCING STEEL SHALL COMPONN TO ASTH ASIS, GRADE SO FOR ALL REBARS, DONELS AND RODS. STEEL SHALL SE KEPT CLEAN AND FREE OF RUST SCALES.

- 5. REINFORCING BARS SHALL BE PLACED IN AS LONG LEMTING AS POSSIBLE. ALL REINFORCING STEEL SHALL BE "COLD BERN". REINIEM BARS LAP SHALL BE 40 BAR DIAMETERS UNLESS OTHERWISE MOTED.
- B. REINFORCING, ANCHOR BOLTS AND INSERTS SHALL BE RIGIOLY HELD IN PLACE PRIOR TO PLACING CONCRETE.
- 7. EPOXY FOR EMBEDDED RODS SUCH AS REBARS, DOWELS. 7. EPRINT FOR EMBEDDED FINES SICH AS PERMAN, DOMES, THEORED FOR AMERICAN SILL OF THE PROPERTY OF THE PROPERTY
- F. PLACE GOUT WHEN ANDIENT TEMPERATURE IS AT LEAST 40' AND RISTING. DO NOT POUR GROUT FOR ANDIENT TEMPERATURE BELOW 40° F.
- 9. ALL EXPOSED CONCRETE EDGES SHALL HAVE 3/4°CHAMFER.
- 15. PROVIDE BROOVING AND GRIND SUPFACE AT CONCRETE HORIZONTAL SURFACE PER CALTRANS STANDARD SPECIFICATION.

CWO 11-140

#### IN STRUCTURAL STEEL & MISC

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
- A. STEEL SHAPES THICLUDE WIDE FLANGE BEAMS SHALL BE PER ASTW ADDZ.
- 8. ALL OTHER SHOPES INCLUDING MOLLED SHAPES AND BARS AND PLATES SHALL BE ASTN A36 STEEL.
- 2. ALL NEW ASTW AGGS AND AGG STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED.
- 3. ARC-WELD ELECTRODES AND FILLER WETALS TO BE LOW HIDROGEN TYPE EXITY, EXITING OR EXDANG IN, MIN. AS APPLICABLE, ALL WELDING WARE WALL BE DONE IN ACCORDANCE WITH AND COLDELINES. WELDER SAML BE ACCORDANCE WITH COMPENT CERTIFICATION, PROVIDE WELDING IMPRECION FOR FIELD WELDS.
- 4. EMBEDDED ANCHORS OR THREADED ROOS SHALL COMFORM TO ASTM ASTO OR ASE MAD HOT-DIPPED ONL-VANIZED. COMMECTION BOLIS SHALL BE HIGH STREMETH BOLIS COMFORMING TO ASSE, TYPE N.
- 5. HOT-DIP GALVANIZE IN ACCORDANCE WITH ASTM AISS FOR FASTEMERS THAT ARE EXPOSED TO WEATHER. COLD FORM STEEL ON WISCELLANEOUS STEEL PLATES TO ME HOT DIPPED DALVANIZED IN ACCORDANCE WITH ASTM
- BEARING PADS SHALL BE ELASTOMER WITH FABRIC REINFORCEMENT IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATION.

**NEW DRAWING** 

DRAWING LIST ORAWJAG N **DESCRIPTION** 82 BRIDGE FOUNDATION PLAN BRIDGE FRANING PLAN, ELEVATION & SECTION DETAILS (TBD) DETAILS (TBD) DETAILS (780)



BASELINE DESIGNS, INC. 1700 Ook Street Alamedo. Ca 94501 Phone: 510-865-4623 Fox: 510-865-4704 BDI Project #: 150940

DISTRICT DVAL PROJECT DREWS WELL SHEET CREEK WATER L T CHROMIUM REMOV WTP AND SAN ANDR COVER BAIDGE

esunts: FAILED: HECKEO:

2/2 150940

B1

