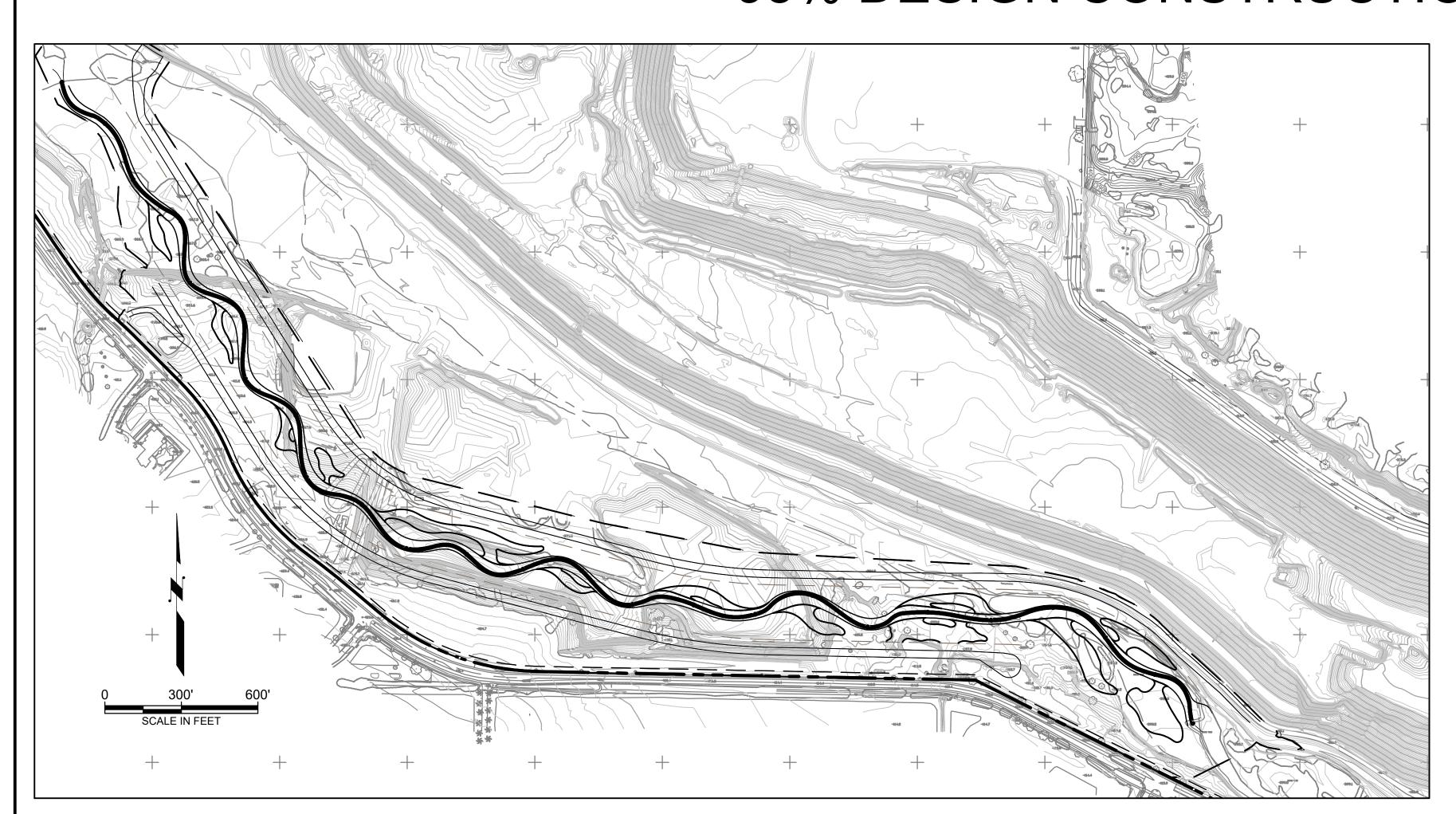


FOR

# ELIOT FACILITY ARROYO DEL VALLE REALIGNMENT PROJECT (CEMEX)

ALAMEDA COUNTY, CALIFORNIA AUGUST 2018

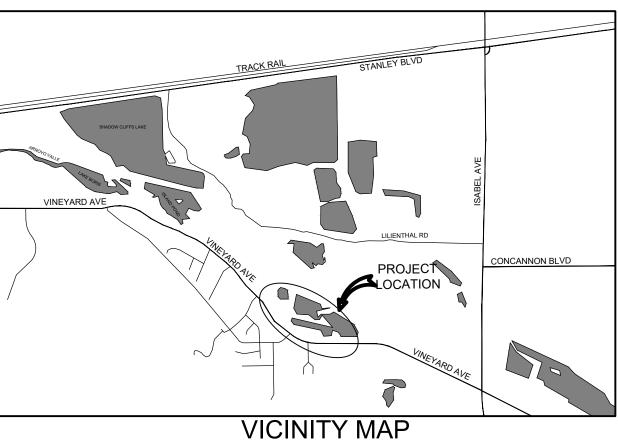
## 95% DESIGN CONSTRUCTION DRAWINGS



VOLUME 1 OF 1



701 PIKE STREET **SUITE 1200** SEATTLE, WA 98101



### PROPERTY OWNER AND CONSTRUCTION CONTRACTOR

**CEMEX CONSTRUCTION MATERIALS** PACIFIC LLC 2365 IRON POINT ROAD, SUITE 120 FOLSOM, CALIFORNIA 95630

## **APPLICANT**

DEBORAH HALDEMAN REGIONAL NATURAL RESOURCES MANAGER NORTHERN CALIFORNIA/NEVADA CEMEX CONSTRUCTION MATERIALS PACIFIC LLC 2365 IRON POINT ROAD, SUITE 120 FOLSOM, CA 95630 916.941.2800 916.939.7492

## **CIVIL ENGINEER**

NATHAN H. FOGED MANAGING ENGINEER 701 PIKE STREET, SUITE 1200 SEATTLE, WA, 98101 206.749.2202 206.749.2200 (FAX)

DRAFT NOT FOR CONSTRUCTION

#### GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR THE COUNTY OF ALAMEDA, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CALL "UNDERGROUND SERVICE ALERT" 1-800-227-2600 FORTY- EIGHT (48) HOURS BEFORE DIGGING.
- AT THE CONCLUSION OF ITS WORK, THE CONTRACTOR SHALL REPAIR OR REPLACE IN KIND ALL DAMAGED PROPERTY (PUBLIC AND PRIVATE) FOR WHICH HE IS RESPONSIBLE (INCLUDING CURB, GUTTER AND SIDEWALK). THE WORK SITE AND ADJACENT AREAS SHALL BE CLEANED UP. THIS REPAIR AND REPLACEMENT, AND CLEAN UP WORK SHALL BE SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE OWNER OR PUBLIC ENTITY AS IS APPROPRIATE.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBLY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS
- CURRENT FEDERAL (OSHA), STATE AND LOCAL REGULATIONS FOR MINIMUM SAFETY STANDARDS MUST BE OBSERVED.
- . THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING BROWN AND CALDWELL HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS, HOWEVER, THE DESIGN PROCESS INCLUDES ACTIVITIES OCCURRING AFTER PLAN SIGNATURE. THESE ACTIVITIES INCLUDE CALCULATIONS, PLAN CHECK, AND VERIFICATIONS DURING CONSTRUCTION. SHOULD PERSONS OTHER THAN BROWN AND CALDWELL PERFORM CONSTRUCTION STAKING OPERATION, THEY SHALL INDEMNIFY BROWN AND CALDWELL FROM ANY DAMAGES RESULTING FROM FAILURE TO PERFORM THESE TASKS.
- UNAUTHORIZED CHANGES AND USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USE OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING
- SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. 10. THE COST OF CORRECTIVE WORK REQUIRED FOR COMPLETION AND/OR ACCEPTANCE OF THE WORK NECESSITATED BECAUSE OF UNSATISFACTORY
- WORKMANSHIP OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. . TRENCHING SHALL BE PERFORMED IN ACCORDANCE WITH COUNTY OF ALAMEDA REQUIREMENTS. BRACING AND SHORING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 6 OF THE CONSTRUCTION SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY
- 12. THE LOCATION OF EXISTING FACILITIES SHOWN ON THE PLAN SHEETS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL CONFIRM ALL UNDERGROUND FACILITIES BY REQUESTING AN UNDERGROUND LOCATE THROUGH DIGGERS HOTLINE PRIOR TO WORK. THE CONTRACTOR SHALL ALSO COORDINATE PRIVATE UTILITY LOCATES WITH THE OWNER BEFORE CONSTRUCTION STARTS. DAMAGE TO EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL STATIONING IS ALONG THE HORIZONTAL CENTERLINE OF THE NEW CHANNEL. 14. THE NOTE IN THE TITLE BLOCK OF THIS DRAWING WHICH READS "TWO INCHES AT FULL SCALE" APPEARS ON DRAWINGS FOR IDENTIFICATION OF SCALE DISTORTIONS ON HALF SIZE DRAWINGS AND DRAWING REPRODUCTIONS. IT SHALL MEAN THAT THE DRAWING IS FULL SIZE AND THE DRAWING SCALES ACCURATE WHEN THE LENGTH OF THIS LINE IS TWO INCHES. IF THE LENGTH IS OTHER THAN TWO INCHES, DRAWING SCALES MUST BE ADJUSTED ACCORDINGLY.
- 15. SITE TOPOGRAPHY WAS COMPILED FROM GROUND SURVEYS BY KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. DATED MARCH 20, 2013. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WITH HORIZONTAL COORDINATE SYSTEM REFERENCED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 3.
- 16. THE CONTRACTOR SHALL MAKE A REVIEW OF THE SITE TO DETERMINE EXISTING CONDITIONS. ANYTHING NOT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY AND SHALL NOT
- CONSTITUTE GROUNDS FOR AN EXTRA, UNLESS APPROVED BY THE OWNER. 7. THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY IF ANY CONFLICTS ARE FOUND IN THE CONTRACT DOCUMENTS.
- 18. ANY AND ALL AREAS NOT SPECIFIED FOR CONSTRUCTION WHICH ARE DISTURBED AND OR DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THE STANDARDS OF THE CONTRACT DOCUMENTS TO THE EXISTING LOCATION, ELEVATION AND DIMENSION AND TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS EXPENSE.
- 19. THE CONTRACTOR'S CONSTRUCTION MEANS AND METHODS SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CONSTRUCTION AND SAFETY CODES. WHERE APPLICABLE THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LICENSES AND PERMITS AT ITS OWN EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
- ALL MATERIAL SHALL BE NEW, UNLESS OTHERWISE NOTED ON THE DRAWINGS. 21. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AND ALL ADJACENT PROPERTIES AT ALL TIMES. ACCESS TO THE SITE IS SHOWN ON THE PLANS.
- 22. FINISHED GRADE SHOWN ON THE DRAWINGS REFERS TO THE FINAL GRADE AFTER THE INSTALLATION OF FINAL GROUND STABILIZATION MEASURES

ALAMEDA COUNTY DRAINAGE NOTES: [RESERVED]

#### **EARTHWORK NOTES:**

- 1. TRENCH EXCAVATION, PIPE BEDDING, AND PIPE BACKFILL INCLUDING COMPACTION SHALL BE IN COMPLIANCE WITH THE SOIL REPORT RECOMMENDATIONS. MATERIAL MANUFACTURE SPECIFICATIONS, CALIFORNIA STATE REGULATIONS, AND COUNTY OF ALAMEDA SPECIFICATIONS.
- 2. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS REQUIRED BY THE COUNTY OF ALAMEDA.
- 3. THE COST OF PROTECTION AND / OR REPAIR OF THE CONTRACTOR'S WORK AS AFFECTED BY STORM WATERS DURING INCLEMENT WATER SHALL BE THE CONTRACTOR'S RESPONSIBILITY UNTIL THE PUBLIC IMPROVEMENTS HAVE BEEN ACCEPTED BY THE OWNER.

#### STORM WATER SYSTEM NOTES

- 1. ALL MATERIALS AND CONSTRUCTION METHODS OF THE STORM DRAIN SYSTEM SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE COUNTY OF ALAMEDA, EXCEPT WHERE NOTED.
- 2. STORM WATER LINES SHALL BE CONSTRUCTED STRAIGHT AND TO A CONSTANT GRADE BETWEEN STRUCTURES SHOWN UNLESS OTHERWISE NOTED.
- 3. THE STORM WATER SYSTEM SHALL BE THOROUGHLY CLEANED BY CONTRACTOR PRIOR TO OWNER'S ACCEPTANCE.

### SHEET INDEX

**GENERAL NOTES** G-001 **GENERAL NOTES** SITE PLAN C-101

TRANSITION PLAN **EROSION CONTROL PLAN** EROSION CONTROL PLAN

**EROSION CONTROL PLAN** TYPICAL CONSTRUCTION SEQUENCING

PROFILE VIEW AND PLAN PROFILE VIEW AND PLAN PROFILE VIEW AND PLAN

PROFILE VIEW AND PLAN PROFILE VIEW AND PLAN

PROFILE VIEW AND PLAN

CROSS SECTION AND TRANSITION DETAIL

C-501 DETAIL DETAIL C-502

> DETAIL C-503 C-504 DETAIL

LEGEND:

BENCHMARK

SOIL BORING INDICTOR

**BUILDING STRUCTURE** 

LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE PLAN

**PRELIMINARY DESIGN** FOR REVIEW ONLY

**Brown** AND

Caldwell

701 PIKE STREET

SUITE 1200

SEATTLE, WA 98101

2365 IRON POINT ROAD

SUITE 120

FOLSOM, CA 95630

CEMEX

## DRAFT **NOT FOR** CONSTRUCTION

ARROYO DEL VALLE REALIGNMENT **PROJECT** 

1544 STANLEY BOULEVARD PLEASANTON, CA 94566

CA MINE ID NO: 91-01-0009

REV DATE

REVISIONS

DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: DRAWN: CHECKED:

CHECKED: APPROVED:

> G-001.DWG BC PROJECT NUMBER CLIENT PROJECT NUMBER

> > **GENERAL**

SHEET INDEX. LEGEND, **ABBREVIATIONS** AND NOTES

DRAWING NUMBER

G-001

**ABBREVIATIONS**:

ACRES AG **AGRICULTURAL AGG** AGGREGATE

**AMSL** ABOVE MEAN SEA LEVEL ASSESSOR'S PARCEL NUMBER

**AVG** AVERAGE CODE OF FEDERAL REGULATIONS

CL CENTER LINE CMP **CORRUGATED METAL PIPE** 

CY CUBIC YARDS EAST

**ELEV ELEVATION** FINISH GRADE FLOW LINE FT FEET

GB **GRADE BREAK** GW **GROUND WATER** HORIZONTAL

IRR IRRIGATION **MSHA** MINE SAFETY AND HEALTH **ADMINISTRATION** 

MW MONITOR WELL NORTH N.I.C **NOT IN CONTRACT** 

NO. NUMBER OG ORIGINAL GROUND ELEVATION

PC PC POINT OF CURVATURE PRC POINT OF REVERSE CURVATURE

PROPERTY LINE

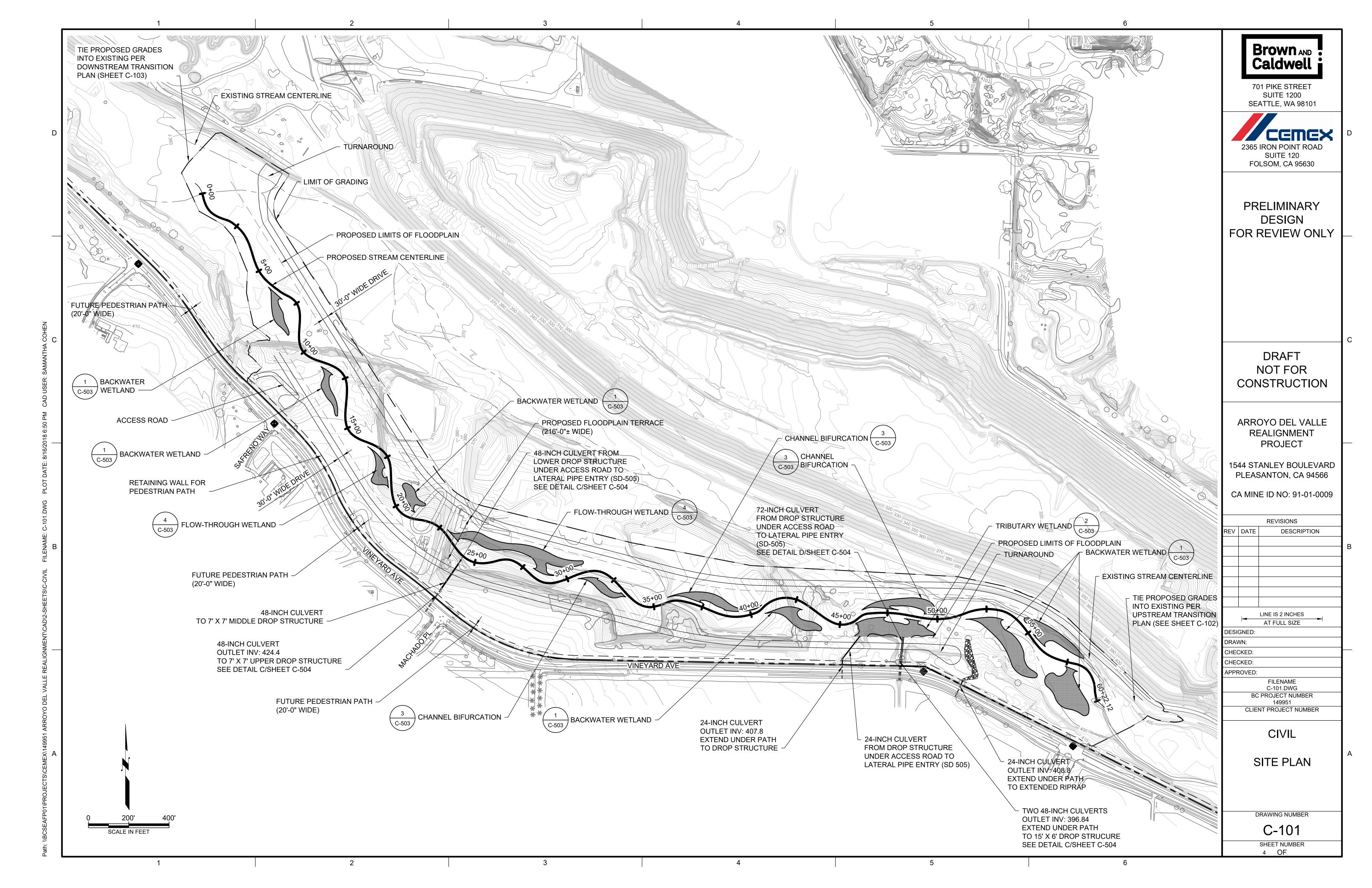
RADIUS

California Coordinate System, Zone 3 HORIZONTAL DATUM: North American Datum of 1983 (NAD83, 2000.35)

North American Vertical Datum of 1988 (NAVD88) VERTICAL DATUM: GROUND CONTROL SURVEY BY: Towill, Inc. (Based on Control by Guida Surveying, Inc.)

SHEET NUMBER 2 OF

Brown AND Caldwell MITIGATION, MONITORING, AND PERMIT CONDITIONS ALL INFORMATION CONTAINED HEREIN WILL BE REVISED UPON APPLICATION TO ALAMEDA COUNTY 701 PIKE STREET SUITE 1200 SEATTLE, WA 98101 2365 IRON POINT ROAD SUITE 120 FOLSOM, CA 95630 PRELIMINARY **DESIGN** FOR REVIEW ONLY DRAFT NOT FOR CONSTRUCTION ARROYO DEL VALLE REALIGNMENT PROJECT [RESERVED] 1544 STANLEY BOULEVARD PLEASANTON, CA 94566 CA MINE ID NO: 91-01-0009 REVISIONS DESCRIPTION LINE IS 2 INCHES AT FULL SIZE **DESIGNED**: DRAWN: CHECKED: APPROVED: BC PROJECT NUMBER 149951 CLIENT PROJECT NUMBER **GENERAL MITIGATION MONITORING AND** PERMIT CONDITIONS DRAWING NUMBER G-002 SHEET NUMBER
3 OF



**Brown** AND Caldwell 701 PIKE STREET SUITE 1200 SEATTLE, WA 98101 2365 IRON POINT ROAD SUITE 120 FOLSOM, CA 95630 PROPOSED BANKFULL LIMITS PRELIMINARY **DESIGN** FOR REVIEW ONLY PROPOSED BANKFULL LIMITS PROPOSED FLOODPLAIN LIMITS DRAFT PROPOSED LOW FLOW LIMITS NOT FOR PROPOSED STREAM CENTERLINE CONSTRUCTION TIE PROPOSED STREAM CENTERLINE TO EXISTING STREAM CENTERLINE. CONTRACTOR SHALL INSTALL CHANNEL PLUG IN EXISTING STREAM ARROYO DEL VALLE IMMEDIATELY DOWNSTREAM OF REALIGNMENT TIE-IN POINT. PROJECT PROPOSED BACKWATER WETLAND -1544 STANLEY BOULEVARD PLEASANTON, CA 94566 CA MINE ID NO: 91-01-0009 APPROXIMATE EXISTING 402 REVISIONS REV DATE DESCRIPTION LINE IS 2 INCHES - PROPOSED AT FULL SIZE LIMITS OF DISTURBANCE DESIGNED: DRAWN: CHECKED: PROPOSED FUTURE CHECKED: PEDESTRIAN PATH **GENERAL NOTES:** APPROVED: (20'-0" WIDE) FILENAME C-102.DWG 1. CONTRACTOR IS RESPONSIBLE FOR ENSURING BC PROJECT NUMBER SMOOTH TRANSITIONS AT UPSTREAM AND DOWNSTREAM ENDS OF WORK AREAS. TIE PROPOSED GRADES INTO EXISTING -CLIENT PROJECT NUMBER 2. THALWEG IS TO BE INSTALLED PER PLAN AND/OR DIRECTED BY THE ENGINEER. CIVIL UPSTREAM TRANSITION PLAN DRAWING NUMBER C-102 SCALE IN FEET SHEET NUMBER
5 OF

