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2:32 pm, Aug 24, 2009

Alameda County  
Environmental Health

**BGC**  
BERLOGAR  
GEOTECHNICAL  
CONSULTANTS



August 19, 2009

Mr. Jerry Wickham  
Hazardous Material Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

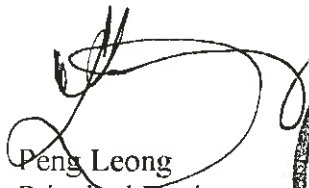
Re: Site Mitigation Plan  
Transportation Corridor  
Pleasanton, California

Dear Jerry:

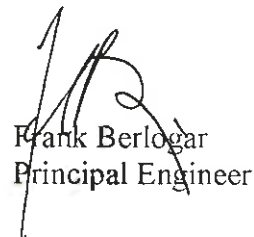
We declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of our knowledge.

Respectfully submitted,

BERLOGAR GEOTECHNICAL CONSULTANTS

  
Peng Leong  
Principal Engineer  
C39707, Exp. 12/31/09



  
Frank Berlogar  
Principal Engineer

Attachment: Site Mitigation Plan

Cc: Mr. Chris Guenther, MacKay and Soms Civil Engineers, Inc.



August 19, 2009

Mr. Jerry Wickham  
Hazardous Material Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
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Subject: Site Mitigation Plan  
Transportation Corridor  
Pleasanton, California

Dear Jerry:

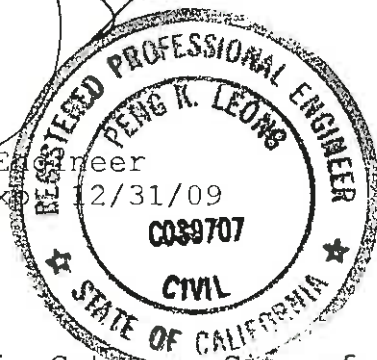
Enclosed is the Site Mitigation Plan (SMP) for the proposed soil remedial activities along the portion of the Transportation Corridor located on the west side of First Street, between West Neal Street and Ray Street in Pleasanton, California ("the Site").

The purpose of the soil remedial activities is to isolate the impacted soil prior to redevelopment of the Site.

If you have any questions or comments concerning this SMP, please do not hesitate to contact us.

Sincerely,

Peng Leong  
Principal Engineer  
CO39707, Exp. 12/31/09



Frank Berlogar

Enclosure

cc: Mr. Jim Gotcher, City of Pleasanton  
Mr. Chris Guenther, MacKay and Soms Civil Engineers, Inc.

**SITE MITIGATION PLAN**  
**TRANSPORTATION CORRIDOR**  
**PLEASANTON, CALIFORNIA**

August 19, 2009

Prepared for  
City of Pleasanton  
200 Old Bernal Avenue  
Pleasanton, California 94566-0802

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FIGURE

APPENDIX A: IMPROVEMENT PLANS

LIST OF FIGURES

Number	Title
1	Site Location

**SITE MITIGATION PLAN**  
**TRANSPORTATION CORRIDOR**  
**PLEASANTON, CALIFORNIA**

**1.0 INTRODUCTION**

At the request of the City of Pleasanton and MacKay and Soms Civil Engineers, Inc. ("the Client"), Berlogar Geotechnical Consultants (BGC) has prepared this Site Mitigation Plan (SMP) for the proposed soil remedial activities along the portion of the Transportation Corridor located on the west side of First Street, between West Neal Street and Ray Street in Pleasanton, California ("the Site"; Figure 1).

Soil remedial activities will include the isolation of the impacted soil found in a previous site investigation prior to redevelopment of the Site. Alameda County Health Care Services Agency (AC-HCSA) will provide oversight for the soil remedial activities.

**2.0 SITE DESCRIPTION**

The Site is located on the west side of First Street, between West Neal Street and Ray Street. The Site covers an area of approximately 3.25 acres and is currently vacant and unpaved.

**3.0 BACKGROUND**

A rail line corridor occupied the Site from 1888 through the early 1990s. The Site has been vacant since the removal of the rail line by 1993.

A limited site investigation was performed by BGC at the southern portion of the Site in March 2009. Twenty-four soil samples were collected from twelve test pits and selectively analyzed for TPHg, TPHd, TPHmo, BTEX, MTBE, VOCs, SVOCs, organochlorine pesticides, PCBs, and metals. Based on the findings of the investigation, it appeared that the surficial soil within the southern portion of the Site contained antimony, arsenic, lead, mercury, and vanadium concentrations above their respective background levels and the San

Francisco Regional Water Quality Control Board's Environmental Screening Levels (ESLs, where groundwater is a current or potential source of drinking water) for residential landuse, and in some cases their commercial/industrial ESLs and STLCs.

In June 2009, BGC conducted a supplementary site investigation at the northern portion of the Site. A total of fourteen soil samples were collected from seven test pit locations and analyzed for TPHd, TPHmo, and metals. Based on the findings of the investigation, it appeared that surficial soil within the northern portion of the Site extending beyond three feet below the existing ground surface (bgs) primarily contained arsenic concentrations which exceeded their respective commercial/industrial ESLs.

#### **4.0 PROPOSED DEVELOPMENT**

The proposed development at the Site consists of an asphalt paved parking lot located at the central portion of the Site and a landscaped area located at the southern portion of the Site (Appendix A). It is anticipated that the surficial soil extending to depths ranging from approximately 1.0 to 5.5 feet bgs will be removed with the proposed parking lot; and approximately 1.0 to 5.5 feet bgs will be removed from the proposed landscaped area.

#### **5.0 REMEDIAL ACTIVITIES**

The soil remedial activities are focused on the isolation of the impacted soil at the Site. The scope of work for the proposed soil remedial activities at the Site will consist of the following tasks:

- Task 1: Site Health and Safety Plan
- Task 2: Dust Control Measures
- Task 3: Site Preparation
- Task 4: Soil Removal
- Task 5: Soil Isolation
- Task 6: Risk Management Plan

These tasks are described in detail below:

### **5.1 Site Health and Safety Plan (HSP)**

In accordance with Occupational Safety and Health Administration guidelines, a Health and Safety Officer will develop a HSP. The HSP will include an analysis of potential hazards encountered by onsite workers conducting the proposed work, precautions to mitigate the identified hazards, and procedures to reduce the potential for offsite migration of contaminants during soil remedial activities.

The health and safety measures presented in the HSP will be implemented during soil remedial activities.

### **5.2 Dust Control Measures**

The area(s) to be excavated will initially be moisture-conditioned. The work area(s) will also be lightly sprinkled during excavation activities (if required) to minimize airborne dust. A water hose with a spray nozzle will be used for water application in areas where access is limited.

Dust control measures will be increased (more frequent wetting and sprinkling) during the movement of dry materials and/or observation of visible dust. Equipment speed at the Site will be reduced in the event wetting with water is not effective in minimizing airborne dust. The soil remedial activities at the Site will be temporarily halted in the event reduction of equipment speed and soil wetting are not effective in minimizing airborne dust.

### **5.3 Site Preparation**

Site preparation will include utility clearance and marking the approximate limits of the impacted soil at the Site.

### **5.4 Soil Removal**

Impacted soil within the proposed parking lot and landscaped area extending to depths of approximately 1 to 5.5 feet bgs will be relocated and temporarily stockpiled at the northern portion of the Site. Soil removal will be performed using a combination of excavators, dozers, dump trucks, etc.



## **5.5 Soil Isolation**

The impacted soil at the central portion of the Site will be covered by an approximately 2.5-inch asphalt paved surface.

An orange geotextile material will be placed over the impacted material at the southern portion of the Site to mark the division of the impacted soil and clean overburden soil. Approximately 15 to 36 inches of clean overburden soil will be placed over the geotextile fabric overlying the impacted soil.

The impacted soil that will be temporarily stockpiled at the northern portion of the Site will be treated with a straw and tack stabilizer to prevent disturbance of the material.

## **5.6 Risk Management Plan**

A Risk Management Plan (RMP) will be prepared following the completion of the soil remedial activities. The RMP will present baseline health and safety requirements for establishing and maintaining a safe working environment for future subsurface construction activities at the central and southern portions of the Site where known impacted material is being managed in-place. Additionally, the RMP will also present baseline health and safety requirements for the management of the temporary stockpile of impacted soil located at the northern portion of the Site.

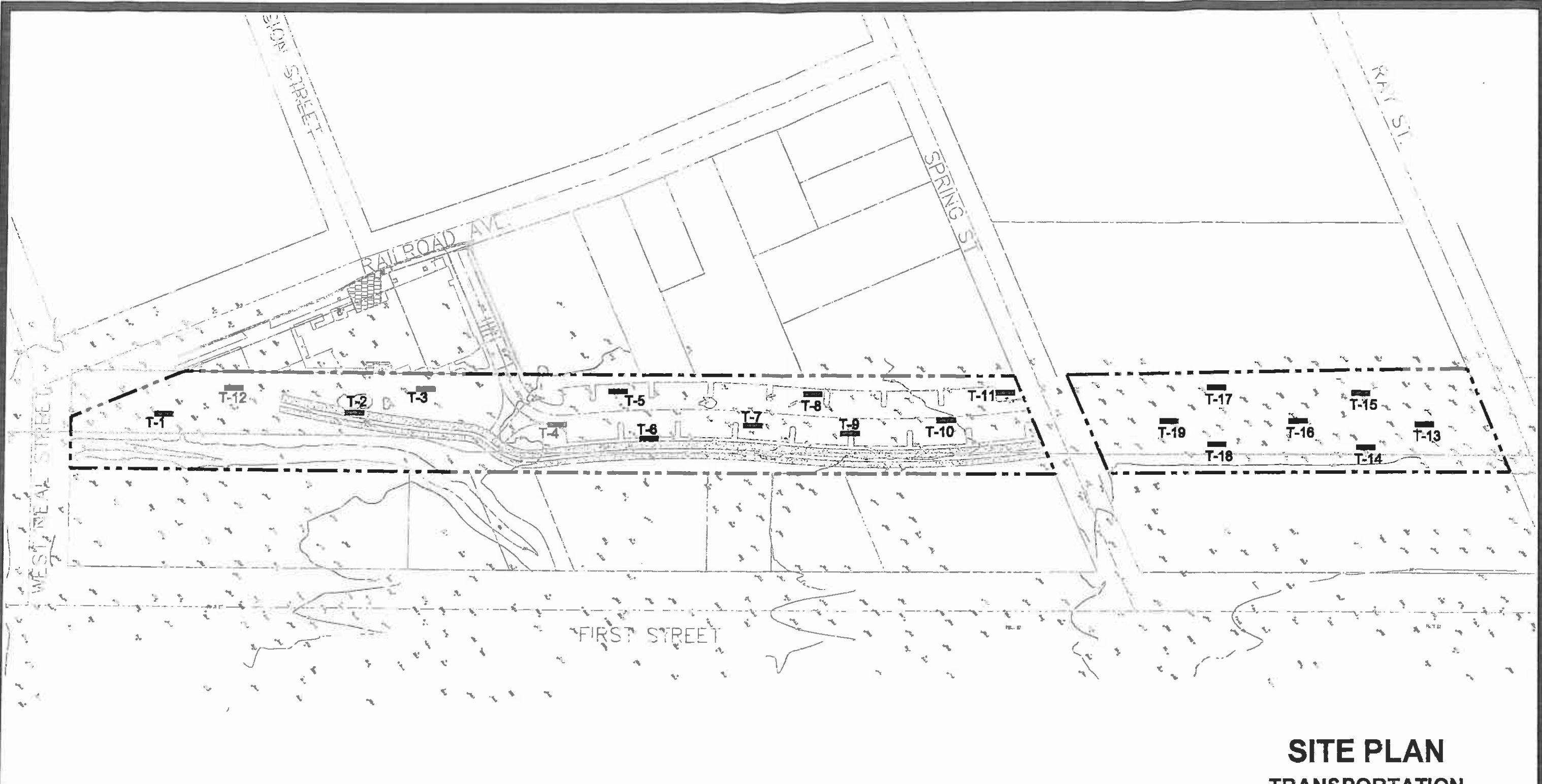
This RMP will be submitted to AC-HCSA approximately one to two weeks following completion of the soil remedial activities.

CHECKED BY:



DRAWN BY: SP

DATE: 8-20-09

JOB NUMBER: 3126.003



**EXPLANATION**

-  PROJECT BOUNDARY
-  APPROXIMATE TEST PIT LOCATION

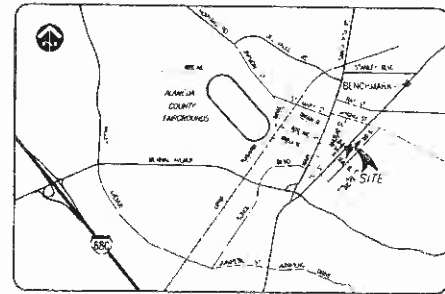
**SITE PLAN  
TRANSPORTATION  
CORRIDOR**

WEST OF FIRST STREET, BETWEEN  
WEST NEAL STREET AND RAY STREET  
PLEASANTON, CALIFORNIA  
FOR  
MACKAY AND SOMPS CIVIL ENGINEERS, INC.  
Berlogar Geotechnical Consultants  
SOIL ENGINEERS \* ENGINEERING GEOLOGISTS

## **APPENDIX A**

### **Improvement Plans**

**IMPROVEMENT PLANS FOR  
FIREHOUSE ARTS CENTER GARDENS  
CITY OF PLEASANTON, ALAMEDA COUNTY, CALIFORNIA  
AUGUST 2009**

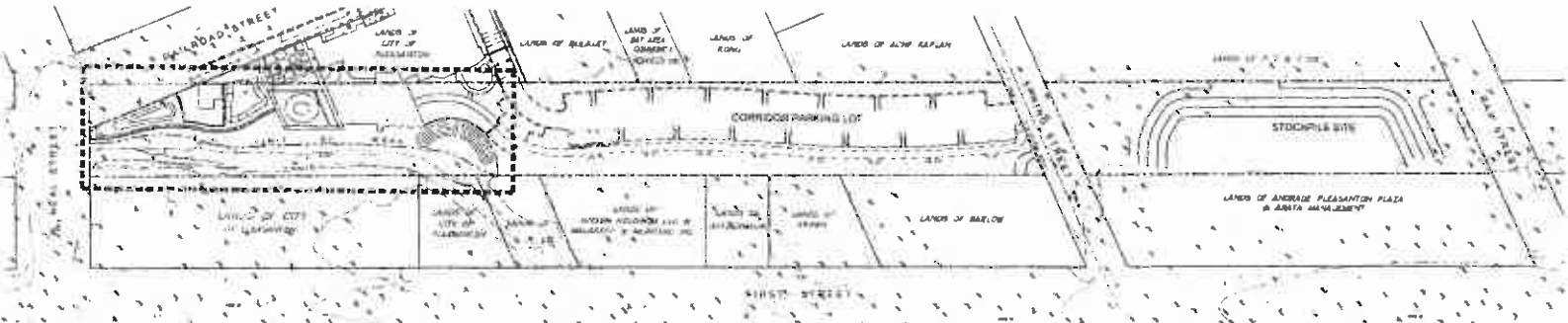


**HAUL ROUTE:**  
FROM INTERSTATE 680 TO BLUNAL OR SANDI BOULEVARD. LEFT ON FIRST STREET AND THEN LEFT ON SPONG STREET OR W. HICK STREET.

**BENCHMARK:**  
NCS POINT AUB711 BRASS OUSE BY CYCLES OVERPASS ON FIRST STREET. STAMPED 'P 9/28 1987' 1987 NAVD83 ELEV = 364.335

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SHEET	DESCRIPTION
1	COVER SHEET, LEGEND, AND VICINITY MAP
2	GENERAL AND CONSTRUCTION NOTES
3	GRADING NOTES & SECTIONS
4	FINISH GRADING AND UTILITY PLAN
5	FINISH GRADING AND UTILITY PLAN
6	SUBGRAVATION AND STOCKPILE PLAN
7	EROSION CONTROL NOTES, DETAILS AND LEGEND
8	EROSION CONTROL PLAN
1-1	GARDENS AND PLAZA LAYOUT PLANS
1-2	IRRIGATION PLAN, DETAILS AND SCHEDULE
1-3	PLAZA DETAILS
1-4	PLANTING PLAN AND PLANT SCHEDULE
1-5	CONSTRUCTION DETAILS
E-1	ELECTRICAL DRAWINGS
EC-1	CITY STANDARD POLLUTION PREVENTION NOTES



**KEY MAP**  
1" = 60'

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
---	---	SUBDIVISION BOUNDARY
---	---	BOUNDARY OF WAY / LOT LINE
---	---	CENTRELINE
---	---	FACE OF CURB
---	---	SAWTOOTH SEWER A MANHOLE
---	---	STORM DRAIN & MANHOLE
---	---	STORM MANHOLE
---	---	WATER LINE & VALVES
---	---	FIRE HYDRANT WITH VALVE
---	---	BLDNFT
---	---	WATER SERVICE
---	---	AIR RELIEF VALVE
---	---	STREET SURVEY MONUMENT
---	---	ELECTRODE - SEE JOINT TRENCH PLANS
---	---	SOCKETS/WALKWAY
---	---	COASTGUARD TIAL
---	---	BARRICADE
---	---	CURB RAMP
---	---	2:1 SLOPE
---	---	3:1 SLOPE

**ABBREVIATIONS**

AG	AGGREGATE BASE	HW	HWY
AC	ASPHALT CONCRETE	IP	IRREGULAR
AK	ASPHALT PAVEMENT	LP	LOW POINT
AL	ASPH. CONC. SLAB	LT	LEFT
AP	ASPH. CONC. CURB	MC	MANHOLE CURB
AP	ASPH. CONC. CURB	MH	MANHOLE
AS	ASBESTOS	MP	MANHOLE PITCH
AS	ASBESTOS	MP	MANHOLE PITCH
AS	ASBESTOS	MP	MANHOLE PITCH
AS	ASBESTOS	MP	MANHOLE PITCH
AS	ASBESTOS	MP	MANHOLE PITCH

**WARNING • CAUTION**  
BEARING UNDERPILING AT THIS  
CONTACT UNDERGROUND SERVICE LINES  
PHONE (800) 232-2600  
FOR MARKING PRIOR TO DIGGING

REGISTERED CIVIL ENGINEER  
CEL SOC  
CITY OF PLEASANTON

REGISTERED CIVIL ENGINEER  
CEL SOC  
CITY OF PLEASANTON

ELECTRONIC COPIES OF THE NUMBER ON THIS PLAN MAY NOT BE CONSISTENT WITH OTHER DRAWINGS. THESE DETAILS OR DIMENSIONS SHOULD CONFORM TO THE INTENDED DRAWING. ELECTRONIC COPIES OF THIS PLAN ARE NOT TO BE USED TO REPRODUCE THE WORK OR PRODUCTS OF THIS DRAWING IN THE FIELD.

**GEOTECHNICAL ENGINEER REVIEW**  
THIS PLAN HAS BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE INTENT AND PURPOSE OF THE GEOTECHNICAL REPORT. PREPARED BY BERLOGAR GEOTECHNICAL CONSULTANTS (CITY OF PLEASANTON, CALIFORNIA) ON 8/2/09.

DATE: 8/11/09  
BY: [Signature]  
PROJECT: FIREHOUSE ARTS CENTER # 09-009  
PREPARED BY: BERLOGAR GEOTECHNICAL CONSULTANTS, PLEASANTON, CALIFORNIA

**GENERAL APPROVAL NOTE**  
[Signature]  
DATE: 8/10/09  
BY: [Signature]  
CITY ENGINEER  
CITY OF PLEASANTON, CALIFORNIA



COVER SHEET  
**FIREHOUSE ARTS CENTER GARDEN**  
 CITY OF PLEASANTON  
 ALAMEDA COUNTY, CALIFORNIA

PROJECT NO: 09-009  
 SHEET NO: 1 OF 1

DATE: 8/11/09  
 BY: [Signature]

BERLOGAR GEOTECHNICAL CONSULTANTS

**GENERAL NOTES**

1. ALL MATERIAL AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE CITY OF PLEASANTON. STANDARD SPECIFICATIONS AND DETAILS ARE AVAILABLE IN THE OFFICE OF THE CITY ENGINEER.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM THE WORK SHOWN IN THESE PLANS. CONTRACTOR AND ALL SUBCONTRACTORS SHALL OBTAIN ENCROACHMENT PERMITS FOR MOVE-IN OF EQUIPMENT AND WHEN ANY WORK IS TO BE DONE TO CITY FACILITIES OR WITHIN CITY RIGHT-OF-WAY, PRIOR TO THE START OF ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH PUBLIC WORKS INSPECTOR (PHONE 925-931-5681) PRIOR TO ANY WORK COMMENCING ON PROJECT. CITY REPRESENTATIVE AND ALL SUBCONTRACTORS WILL BE REQUIRED TO ATTEND.
4. THE OFFICE OF THE PUBLIC WORKS INSPECTOR PHONE 925-931-5681 SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM CITY OF PLEASANTON OR WAGWAY & SOUPTS.
6. ADEQUATE PROVISIONS SHALL BE MADE FOR DUST CONTROL (SUPPLY WATER TRUCK).
7. ADEQUATE PROVISIONS FOR SILT AND EROSION CONTROL IN BOTH CONSTRUCTION AND POST CONSTRUCTION PHASES OF DEVELOPMENT SHOULD BE PROVIDED AS SHOWN ON EROSION CONTROL PLAN.
8. IF APPLICABLE, CONTRACTOR SHALL REMOVE ALL EXISTING BARRIERS, STRUCTURES, BARRICADES, PAVING AND/OR DR. SCREENINGS WITHIN SPECIFIC AREAS INDICATED TO BE IMPROVED.
9. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAIL OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT WAGWAY & SOUPTS AT (925) 275-0890 FOR FURTHER CLARIFICATION.
10. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-842-2244. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD.
11. CONSTRUCTION STAKES SHALL BE CONTRACTED SEPARATELY BY CITY OF PLEASANTON.
12. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
13. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.
14. THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY ENGINEER. ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
15. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC. AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
16. ALL WORK SHALL BE DONE BETWEEN THE HOURS OF 8:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
17. THESE PLANS AND SPECIFICATIONS, INCLUDING GRASSES AND STREET DRAINAGE ARE SUBJECT TO MODIFICATION DURING CONSTRUCTION SHOULD CONDITIONS APPEAR THAT WERE NOT APPARENT DURING DESIGN. ANY SUCH MODIFICATION SHALL BE APPROVED BY THE CITY ENGINEER.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE CITY INSPECTOR AND WAGWAY AND SOUPTS UPON DISCOVERY OF ANY FIELD CONFLICTS.
19. DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT THE APPROVAL OF WAGWAY AND SOUPTS AND THE CITY OF PLEASANTON SHALL RESOLVE WAGWAY AND SOUPTS OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
20. EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF CITY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
21. RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THIS WORK SHALL BE DONE AT NO EXPENSE TO THE UTILITY COMPANY. THE OWNER SHALL PAY THE COST OF ALL SUCH RELOCATION.
22. EXISTING WELLS ON PROPERTY SHALL BE SEALED AND ABANDONED IN ACCORDANCE WITH APPLICABLE GROUNDWATER PROTECTION ORDINANCES. THE OWNER OR OTHER RESPONSIBLE PARTY SHOULD CALL ZONE 7 AT (925) 484-7800 FOR ADDITIONAL INFORMATION. ZONE 7 INSPECTOR SHALL WITHNESS THE SEALING AND ABANDONMENT.

**CONSTRUCTION NOTES**

1. ALL CONSTRUCTION SHALL CONFORM TO CITY OF PLEASANTON SPECIFICATIONS AND STANDARDS DETAILS DATED JUNE 2002.
2. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE CORRECTION OF MISTAKES, OMISSIONS OR DIMENSIONS.
3. PAVING: CURB, GUTTER, AND SIDEWALK SHALL BE CLASS A PORTLAND CEMENT CONCRETE. ALL JOINTS OF CURB CHANGE SIDE WITHIN A VERTICAL CURVE SHALL BE ROUNDED IN FIELD FOR PROPER APPEARANCE. SIDEWALK TO BE 4" THICK AND CONSTRUCTED OF PORTLAND CEMENT CONCRETE. STANDARD PORTLAND CEMENT CONCRETE VERTICAL CURB AND GUTTER TO BE USED THROUGHOUT TO CONFORM TO STANDARD PLANS. ALL WORK TO CONFORM TO THE STANDARDS OF CITY OF PLEASANTON.
4. ALL TREES ARE ANTICIPATED TO BE REMOVED FROM THE PROJECT SITE SUBJECT TO THE APPROVAL OF CITY OF PLEASANTON LANDSCAPE ARCHITECT.
5. SPECIES AND LOCATIONS OF PROPOSED TREES SHALL BE SHOWN ON THE LANDSCAPE PLANS.
6. UNDERGROUND UTILITIES: PRIOR TO FINAL PREPARATION OF SUBGRADE AND PLACEMENT OF BASE MATERIAL, ALL UNDERGROUND UTILITY MAINS SHALL BE MADE AVAILABLE IN SUCH A MANNER THAT WILL DENY THE NECESSITY OF EXPOSING THE PAVEMENT, CURB AND GUTTER WHEN CONNECTIONS ARE MADE.
7. PRIOR TO PLACING AGGREGATE BASE IN PAVED AREAS, PAVING CONTRACTOR TO VERIFY THAT ALL ELECTRICAL AND IRRIGATION SIZES HAVE BEEN INSTALLED. SEE CIVIL JOINT TRENCH PLAN AND LANDSCAPE PLANS FOR EXACT LOCATIONS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANY.
10. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF CURBS, FINAL PREPARATION OF SUBGRADE, AND PLACEMENT OF BASE MATERIAL. JETTING OF TRENCHES WILL NOT BE PERMITTED.
11. ALL SLOPING AND STOPPING SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. ALL STOPPING WITH THE VEHICLE TRAVELED WAY SHALL BE THERMOPLASTIC.
12. ALL TRENCH BACKFILL SHALL BE IMPORT FILL TO WITHIN ONE FOOT OF SUBGRADE IN STREET AREAS (TWO FEET IN "OPEN" AREAS) PER CITY STANDARDS. SEE APPROVED BACKFILL SPECIFICATIONS.
13. MANHOLES AND WATER VALVE BOX COVERS SHALL BE BROUGHT TO FINISH GRADE BY THE UNDERGROUND CONTRACTOR WITHIN 48 HOURS AFTER PAVING IS COMPLETED.
14. APPLY A BITUMINOUS FOG SEAL COAT TO ALL NEW PAVEMENT AREAS AS DIRECTED BY THE CITY INSPECTOR.
15. CURB AND GUTTERS SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS IN THE LATEST VERSION OF THE STATE STANDARD PLANS AND CITY OF PLEASANTON ON SPECIAL PROVISIONS ON DETECTABLE MARKINGS IN THE FORM OF TRUNCATED CONES.
16. DURING CONSTRUCTION, ACTIVITIES INVOLVING EARTH MOVING OR TRAVEL ON UNPAVED SURFACES SHALL BE DISCONTINUED WHEN WIND SPEEDS EXCEED 15 MPH, TO PREVENT EXCESSIVE DUST GENERATION OF DUST.
17. THE CONTRACTOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS PERTAINING TO EXCAVATIONS AND TRENCHES.
18. THE CONTRACTOR WILL COMPLY WITH THE CITY'S BRANCHY CLEAN WATER PROGRAM IN ACCORDANCE WITH THE RULES REQUIREMENTS ISSUED BY THE STATE WATER RESOURCES QUALITY CONTROL BOARD.
19. STORM SEWERS: ALL STORM DRAIN LINES SHALL BE RUBBER GASCKETED TYPE, RCP CLASS III PIPE, ASTM C-78 OR BETTER UNLESS OTHERWISE NOTED ON PLANS.
20. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE LOCAL AGENCY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
21. DISCHARGES ORIGINATING FROM OFFSITE WHICH FLOW ACROSS OR THROUGH AREAS DISTURBED BY CONSTRUCTION THAT MAY CONTAIN POLLUTANTS SHOULD BE REPORTED TO THE (LOCAL) SEDIMENT CONTROL AGENCIES ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL INLETS TO THE STORM DRAIN SYSTEMS AT ALL TIMES DURING THE RAINY SEASON.
22. JOINT TRENCH: JOINT TRENCH UTILITY LINE AND BOXES ARE SHOWN FOR INFORMATION ONLY. SEE JOINT TRENCH PLAN FOR ACTUAL CONSTRUCTION.
23. A PRECONSTRUCTION MEETING SHALL BE HELD PRIOR TO THE START OF JOINT TRENCH WORK. ALL UTILITY COMPANIES AND THE PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED OF THIS MEETING A MINIMUM OF 48 HOURS IN ADVANCE OF MEETING.
24. LIGHT POLES ARE SHOWN ON THE CIVIL IMPROVEMENT PLANS FOR INFORMATION ONLY. SEE JOINT TRENCH PLAN FOR DETAILS.
25. ALL BUTTERFLY VALVES TO BE FLANGED TO TEES OR CROSSES. CONTRACTOR SHALL USE FLANGE 3 IN. VALVES UNLESS OTHERWISE INDICATED OR APPROVED BY THE CITY ENGINEER.
26. IRRIGATION SERVICES SHALL BE 2" DIAMETER WITH 1/2" WATER FITTINGS.
27. WATER MAIN PIPE, 4" THRU 12" SHALL BE POLYETHYLENE GLYCOL (PE) PIPE, C-900 PRESSURE CLASS 150 (MINIMUM).
28. INSTALLATION OF WATER LINES (MINIMUM COVER OF 3' FOR ALL PIPES) SHALL COMMENCE ONLY AFTER ALL SANITARY AND STORM SEWER TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED AND THE SUBGRADE HAS BEEN THE GRADED.

29. WATER VALVES SHALL BE BUTTERFLY VALVES AND SHALL CONFORM TO STANDARD CITY SPECIFICATIONS.
30. VALVE BOXES SHALL BE BROUGHT TO WITHIN 5 FEET OF FINISH GRADE BY EXTENSIONS AND GUIDES. DO NOT USE ANY EXTENSION OF LESS THAN 18".
31. CONTRACTOR SHALL PERMANENTLY MARK THE LOCATION OF ALL WATER VALVES BY TWO POINTS ON THE FACE OF CURB BY BROWN NUMERALS, ARROWS AND RED PAINT.
32. THURST RESISTANT SHALL BE PROVIDED AT TEES AND BENDS 25' OR GREATER. CONCRETE THURST RESISTANTS SHALL BE INSTALLED PER CITY STANDARDS.
33. BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ON ALL IRRIGATION AND FIRE SERVICES.
34. MASTER METERS SHALL BE INSTALLED BY THE CITY ON DOMESTIC AND IRRIGATION SERVICES UPON PAYMENT OF FEES.
35. TIE-INS BY THE CONTRACTOR MUST BE COORDINATED WITH THE CITY INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF WORK. EXCAVATIONS BY THE CONTRACTORS FOR THE TIE-INS MUST BE APPROVED BY THE CITY ENGINEER OR AUTHORIZED REPRESENTATIVE THE DAY BEFORE WORK IS TO COMMENCE AT EACH TIE-IN.
36. FIRE HYDRANTS TO BE INSTALLED AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH CITY STANDARDS. BLUE MARKING INDICATING EXISTENCE OF FIRE HYDRANTS SHALL BE INSTALLED PER CITY STANDARD ORDINANCES. HYDRANTS SHALL BE CLOW 900 FOR APPROVED EQUAL.

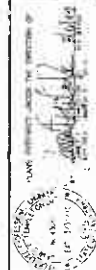
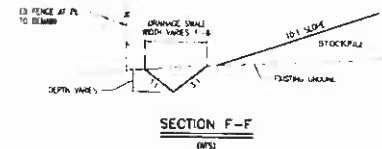
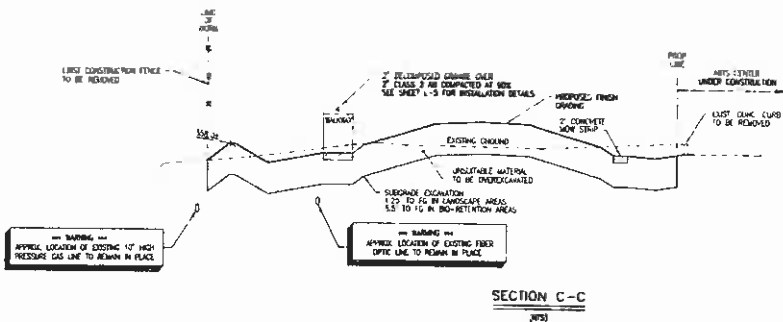
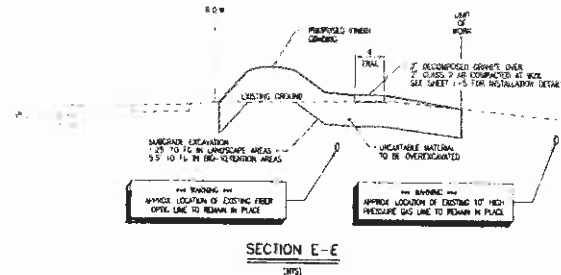
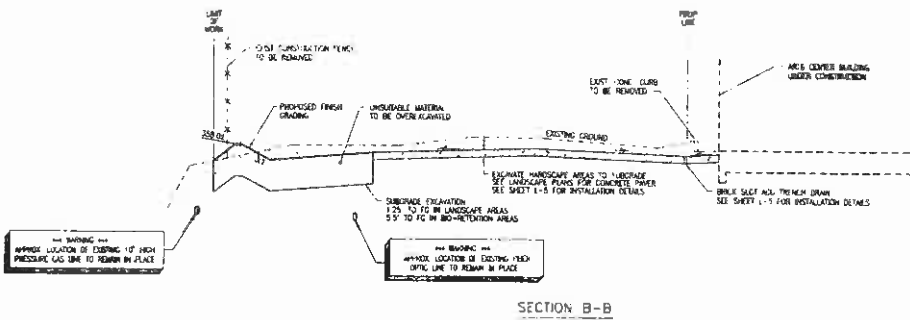
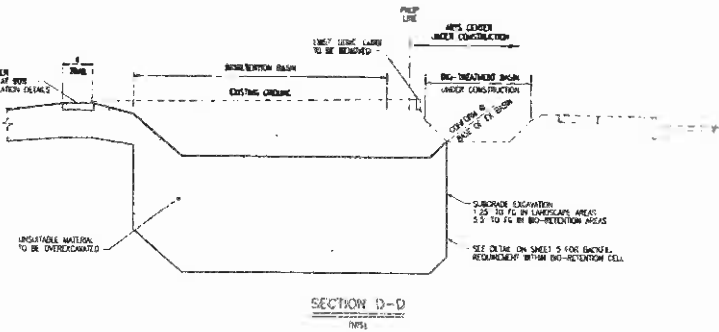
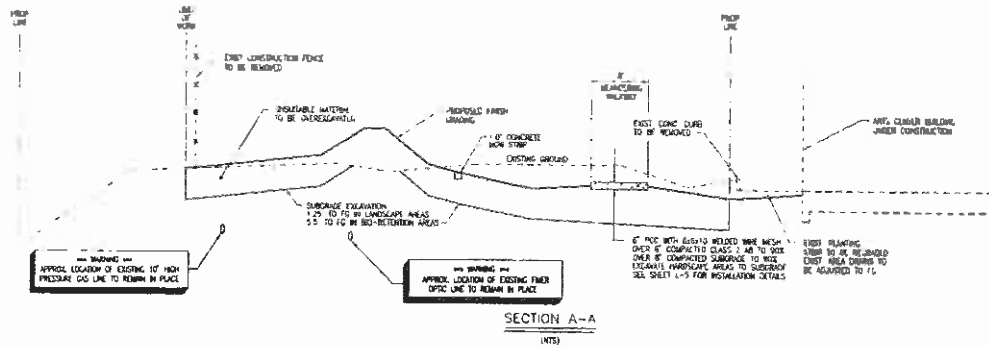
<p>GENERAL AND CONSTRUCTION NOTES                  FIREHOUSE ARTS CENTER GARDEN                  CITY OF PLEASANTON                  ALAMEDA COUNTY, CALIFORNIA</p>	<p>PLANS DEVELOPED BY THE OFFICE OF                  WAGWAY &amp; SOUPTS                  CIVIL ENGINEERS                  1000 W. 14TH STREET, SUITE 200                  PLEASANTON, CA 94566                  PHONE: (925) 275-0890                  FAX: (925) 275-0891                  WWW.WAGWAYANDSOUPTS.COM</p>
<p>PROJECT NO. 15400-2                  SHEET NO. 2                  DATE: 08/15/2008</p>	<p>DATE: 08/15/2008                  SHEET NO. 2                  DATE: 08/15/2008</p>

BERLOGAR GEOTECHNICAL CONSULTANTS

**EARTHWORK SUMMARY**  
ENTIRE SITE

ITEM	ESTIMATED CUT (CY)	ESTIMATED FILL (CY)	ESTIMATED EXPORT (CY)	ESTIMATED OFFICIAL TO STOCKPILE (CY)
DETERMINATION OF UNSATURATED MATERIAL WITHIN LANDSCAPE AREAS (1) 25' BELOW FINISH GRADE IN LANDSCAPE AREAS (2) 5' BELOW FINISH GRADE IN BIO-RETENTION AREAS	1480	70	-	1420
WARRANT SELECT FILL TO COMPENSATING AREAS (FILL TO BE A FINE SANDY LOAM AS APPROVED BY THE CITY - SEE SPECS AND NOTE 3 BELOW)	-	-	800	-

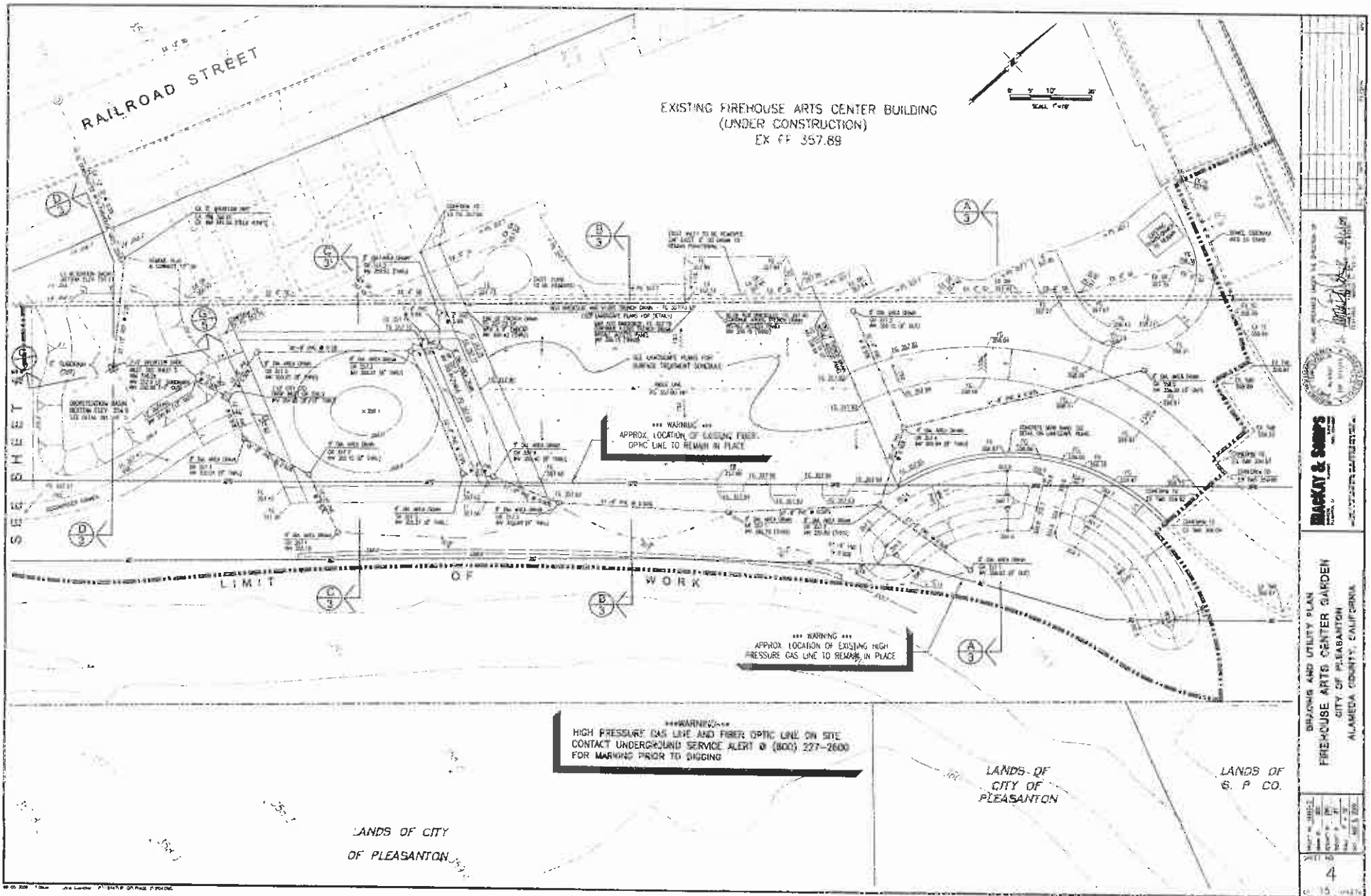
NOTES:  
1. THE LANDWORK SUMMARY IS PROVIDED AS A COURTESY AND CONVENIENCE TO THE CONTRACTOR. THE EXCESSES AND SHORTAGES ARE APPROXIMATE CALCULATED QUANTITIES BASED ON THE DIFFERENCE BETWEEN EXISTING GROUND ELEVATIONS AND FINISH GROUND ELEVATIONS. THE CALCULATION MAKES NO PROVISION FOR SHORING OR SUB-CALCULATION. FOR THIS REASON AND BECAUSE OF VARIABILITY SUCH AS COMPACTION, SWELLAGE AND THE CONTRACTOR'S METHOD OF OPERATION, THE VOLUME OF DIRT MOVED IN THE FIELD WILL IN ALL LIKELIHOOD DEVIATE TO SOME EXTENT FROM THE CALCULATED VOLUME. THE LANDWORK SUMMARY DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO DETERMINE FOR HIMSELF THE QUANTITY OF EARTHWORK THAT WILL BE REQUIRED TO FINISH UNDER THIS JOB. IT IS UNDERSTOOD THAT THE CONTRACTOR'S BID PRICE FOR WORK SHOWN THEREON SHALL BE BASED ON THE CONTRACTOR'S OWN LANDWORK ESTIMATE AND INCLUDES PROVISION FOR ANY WAIVER ADJUSTMENTS REQUIRED TO FINISH THE JOB TO A FINISH GROUND CONDITION.  
2. CONTRACTOR SHALL UNDERSTAND THAT THE CONTRACTOR'S BID PRICE FOR WORK SHOWN THEREON SHALL BE BASED ON THE CONTRACTOR'S OWN LANDWORK ESTIMATE AND INCLUDES PROVISION FOR ANY WAIVER ADJUSTMENTS REQUIRED TO FINISH THE JOB TO A FINISH GROUND CONDITION.  
3. WARRANT MATERIAL SHALL BE A FINE SANDY LOAM. SAMPLES AND SPECIFICATIONS OF MATERIAL SHALL BE PROVIDED TO CITY FOR APPROVAL IN ADVANCE TO THE BIDDING PROCESS.



**Gregory A. Samps**  
Professional Engineer  
State of California  
License No. 45678  
Date: 08/15/2023

GRADING NOTES & SECTIONS  
FIREHOUSE ARTS CENTER GARDEN  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

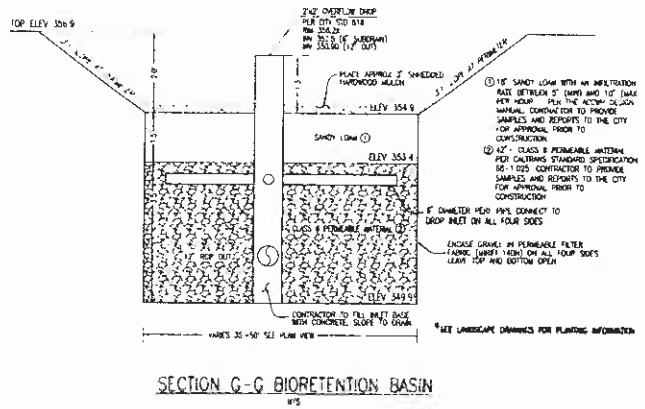
PROJECT: FIREHOUSE ARTS CENTER GARDEN  
SHEET: 3 OF 15  
DATE: AUG 15, 2023



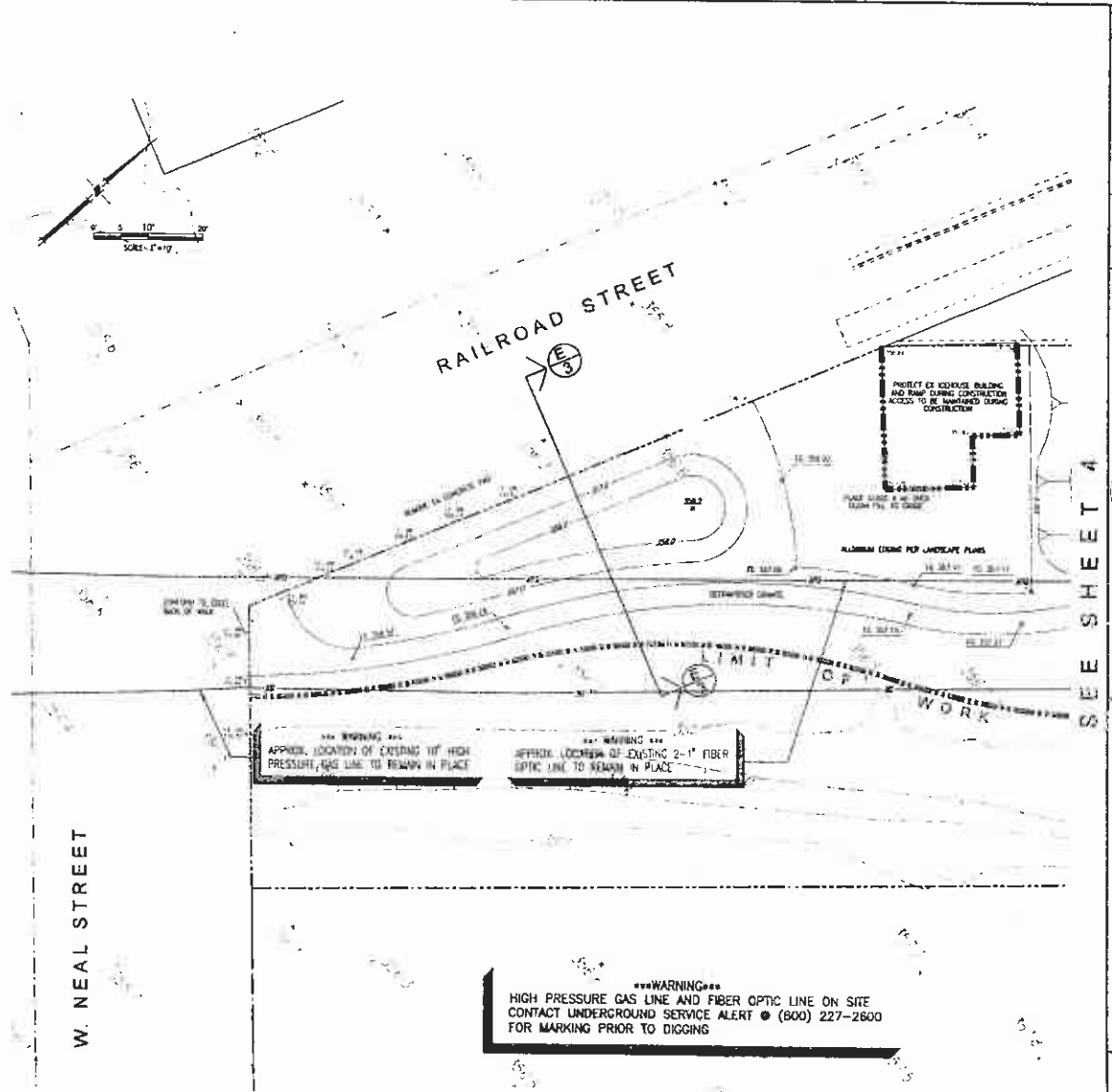
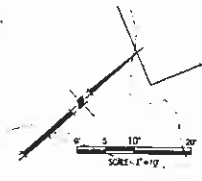
**BLACK & SONS**  
ENGINEERS AND ARCHITECTS  
1000 12TH STREET  
OAKLAND, CALIFORNIA 94612

ISSUING AND UTILITY PLAN  
FIREHOUSE ARTS CENTER GARDEN  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

DATE	10/15/10
BY	...
CHECKED BY	...
DATE	10/15/10
SHEET NO.	4
TOTAL SHEETS	15



SECTION G-G BIORETENTION BASIN



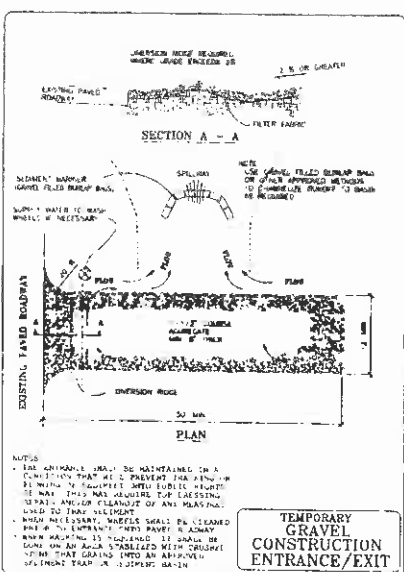
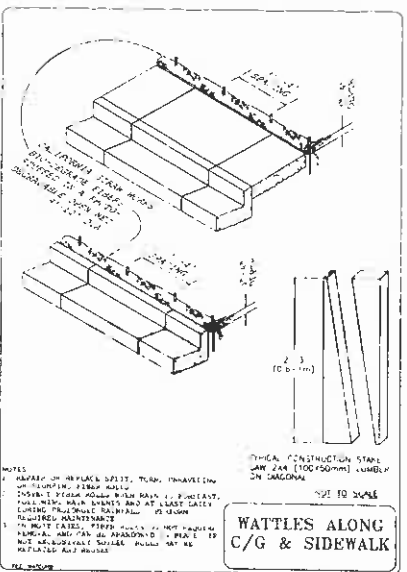
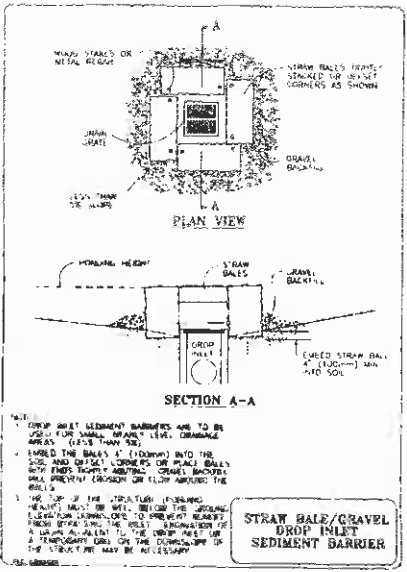
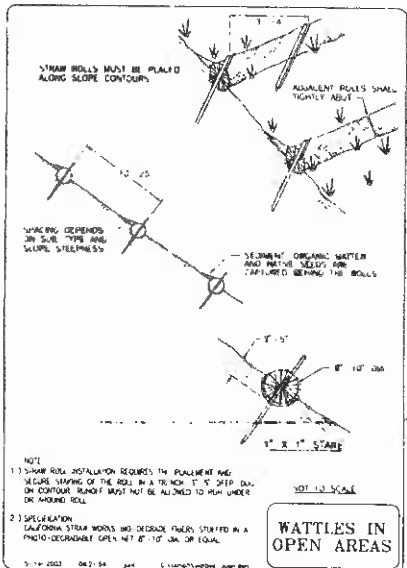
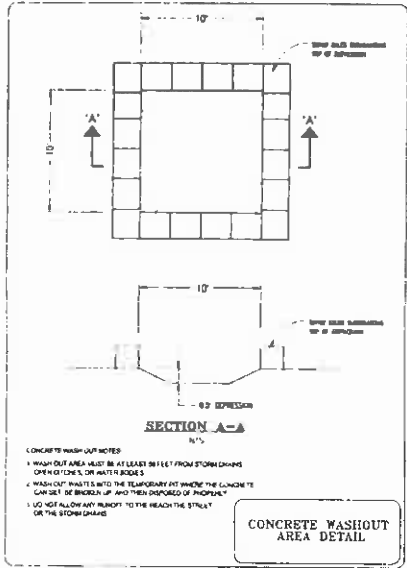
\*\*\*WARNING\*\*\*  
 APPROX. LOCATION OF EXISTING 10\"/>

\*\*\*WARNING\*\*\*  
 HIGH PRESSURE GAS LINE AND FIBER OPTIC LINE ON SITE  
 CONTACT UNDERGROUND SERVICE ALERT @ (800) 227-2600  
 FOR MARKING PRIOR TO DIGGING

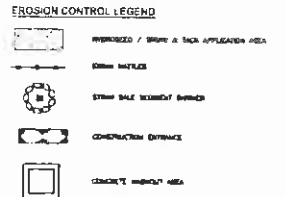
PLANS PREPARED UNDER THE DIRECTION OF 	
<b>GREGORY C. SORENSON</b> CIVIL ENGINEER 1001 COLLETON AVENUE, SUITE 100 OAKLAND, CALIFORNIA 94612 TEL: (415) 771-1111 FAX: (415) 771-1112	
GRADING AND UTILITY PLAN <b>FIREHOUSE ARTS CENTER GARDEN</b> CITY OF PLEASANTON ALAMEDA COUNTY, CALIFORNIA	
DRAWN BY: MARSHELS CHECKED BY: JSC DESIGNED BY: JSC PREPARED BY: JSC SCALE: 1" = 10' DATE: 05.15.2024	SHEET 15 OF 15







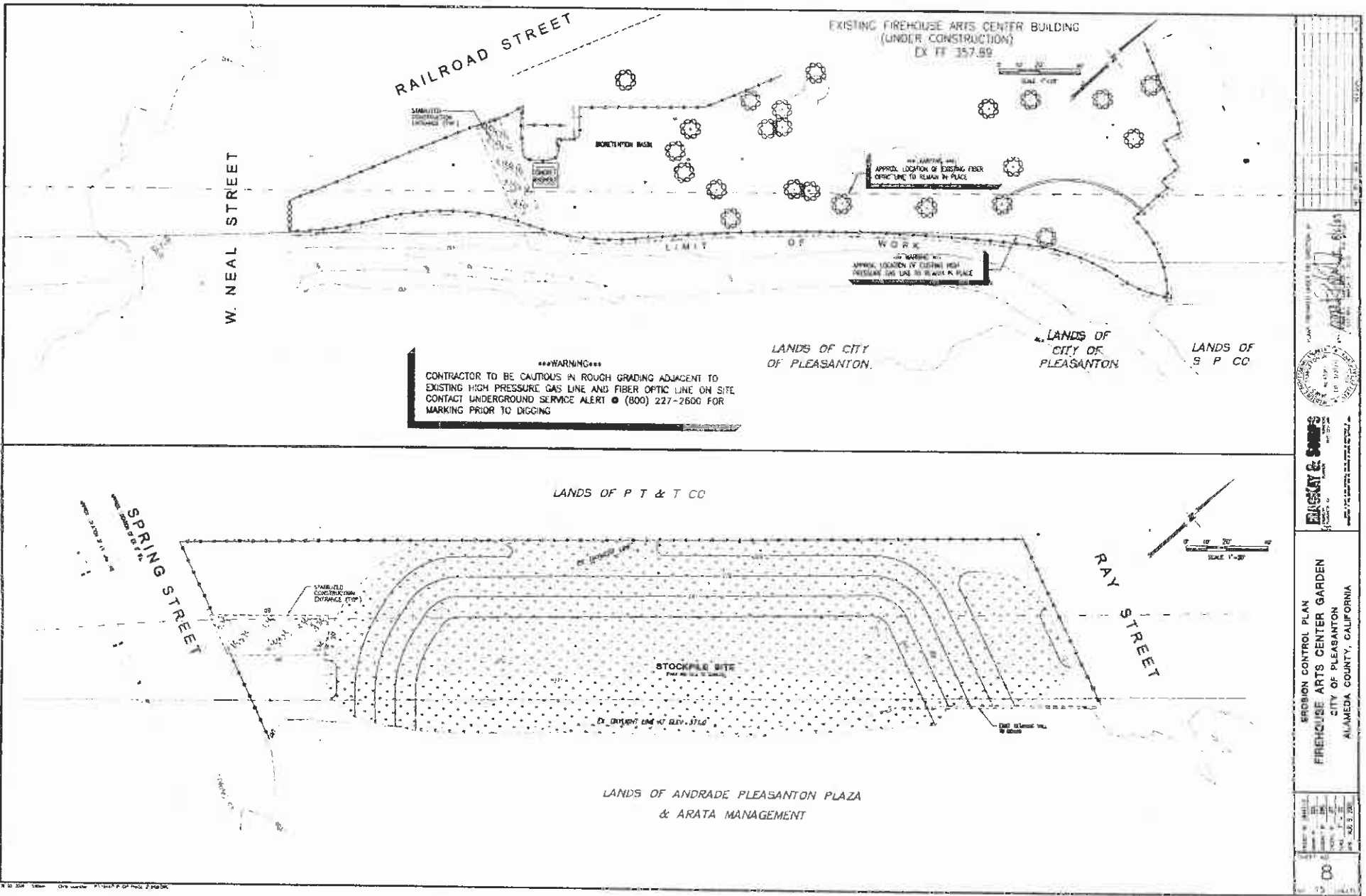
- EROSION CONTROL NOTES**
- EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO October 15 AND SHALL BE MAINTAINED DAILY FROM 15. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION CAUSED SILE DEPOSITS. DESIGN OF THESE FACILITIES MUST BE APPROVED/DESIGNED EACH YEAR FROM 10 SEPTEMBER 30 AND SHALL BE SIGNED BY THE CITY ENGINEER. DAILY MAINTENANCE OF THESE FACILITIES SHALL BE MONITORED AND INSPECTED BY THE PROJECT CONTRACTOR.
  - PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING OR EXCAVATION THE CONTRACTOR SHALL PROVIDE CHECKS, SIGN A NOTICE OF WORK (NOV) AND BE RESPONSIBLE TO THE CONTRACTOR FOR THE MAINTENANCE OF THESE FACILITIES. A COPY OF THE SIGNATURE SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
  - THE CONTRACTOR SHALL SUBMIT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR REVIEW AND APPROVAL BY THE CITY PRIOR TO THE COMMENCEMENT OF ANY GRADING OR EXCAVATION. THE SWPPP SHALL BE IMPLEMENTED BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AND SUPPLIERS OF MATERIAL AND EQUIPMENT. CONSTRUCTION SITE CLEANUP AND CONTROL OF CONSTRUCTION DEWIS SHALL ALSO BE ADDRESSED BY THE SWPPP. FAILURE TO COMPLY WITH THE APPROVED SWPPP WILL RESULT IN THE ISSUANCE OF CORRECTION WORKS, STOPPING OF A PROJECT STOP WORK ORDER.
  - AFTER EACH STORM EVENT THE CONTRACTOR SHALL FILE A REPORT WITH THE CITY ASSESSING THE PERFORMANCE OF THE EROSION CONTROL FACILITIES. DRAINAGE REQUIRED REPAIRS AND DETAILING ADDITIONAL FACILITIES THAT HAVE BEEN INSTALLED TO PREVENT EROSION.
  - WITHIN OCTOBER 15 AND APRIL 15 UNVEGETATED GRAVEL SLOPES AT A MINIMUM SHALL BE SEEDED THEN COVERED WITH A 100% BIOLOGICAL STRAW FROM EROSION CONTROL BARRIERS. SEED PLOTS SHALL BE INSTALLED AT EACH BENCH AND ALONG THE TOP OF SLOPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL SEED PRODUCTION WHICH MAY BE NEEDED TO PREVENT SALTING OF NATURAL WATER COURSES AND STORM DRAINAGE FACILITIES.
  - SEEDING THE REGION OF NATURAL VEGETATION OF GRAVEL DRAIN FROM THE SITE UNDER TO REDUCE THE POTENTIAL FOR EROSION AND SEDIMENTATION PROBLEMS. ALL CUT AND FILL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION OF GRADING. NO SITE GRADING SHALL OCCUR BETWEEN OCTOBER 15 AND APRIL 15 UNLESS A DETAILED EROSION CONTROL PLAN HAS BEEN APPROVED BY THE PUBLIC WORKS DEPARTMENT AND IMPLEMENTED BY THE CONTRACTOR.
  - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUBCONTRACTORS AND SUPPLIERS ARE WAIVER OF AND INFLUENCE ALL STORM WATER QUALITY MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BIDS WILL RESULT IN THE ISSUANCE OF CORRECTION WORKS, STOPPING AND/OR A PROJECT STOP WORK ORDER.
  - THE CONTRACTOR SHALL REMOVE THE JOB SITE PRIOR TO SEEDING. ALL VEGETATION AND DEBRIS (ROCKS, BRUSH) SHALL BE REMOVED FROM THE JOB SITE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE SWPPP. ALL CLEANING COSTS.
  - A NOISE PLAN SHALL BE OBTAINED FROM THE CITY OF PLEASANTON IF THE CONTRACTOR WANTS TO UTILIZE CONSTRUCTION MACHINERY FROM A TRUCK. THE NOISE PLAN SHALL BE APPROVED BY THE CITY AND THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THE PLAN AT AN ADDITIONAL COST (IF INCLUDED IN THE CONTRACTOR).



EROSION CONTROL NOTES, DETAILS, & LEGEND  
**FIREHOUSE ARTS CENTER GARDEN**  
 CITY OF PLEASANTON  
 ALAMEDA COUNTY, CALIFORNIA

DATE: 08/27/2024  
 SHEET: 7

**BLACK & SANDS**  
 GEOTECHNICAL CONSULTANTS



\*\*\*WARNING\*\*\*  
 CONTRACTOR TO BE CAUTIOUS IN ROUGH GRADING ADJACENT TO EXISTING HIGH PRESSURE GAS LINE AND FIBER OPTIC LINE ON SITE. CONTACT UNDERGROUND SERVICE ALERT @ (800) 227-2600 FOR MARKING PRIOR TO DIGGING

<b>GREGORY C. SAM'S</b> REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA	
REGIONAL CONTROL PLAN <b>FIREHOUSE ARTS CENTER GARDEN</b> CITY OF PLEASANTON ALAMEDA COUNTY, CALIFORNIA	
DATE: 11/15/2011 DRAWN BY: J. S.	SCALE: 1"=30' SHEET NO. 1 OF 1

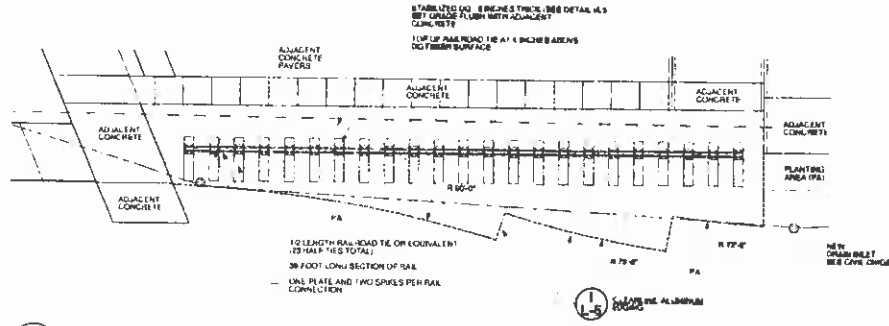




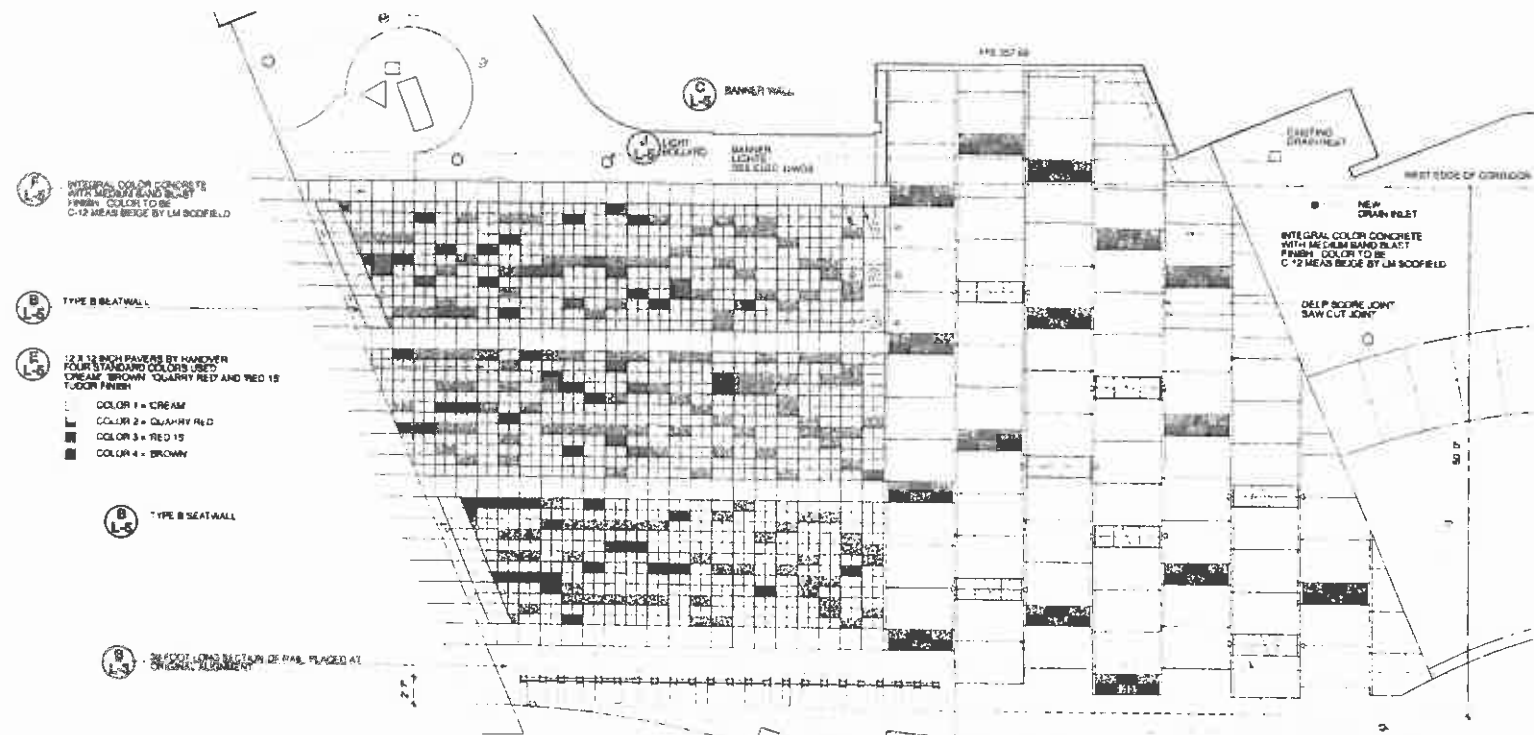
- Notes
1. INSTALL THIS PROJECT IN ACCORDANCE WITH CURRENT CITY OF PLEASANTON STANDARD DETAILS AND SPECIFICATIONS AND SPECIAL PROVISIONS THAT APPLY TO THE LANDSCAPE ARCHITECTURAL IMPROVEMENTS FOR THIS PROJECT
  2. CONFORM TO THE REQUIREMENTS OF BAY AREA VOLT GUIDELINES
  3. THE FOLLOWING CITY OF PLEASANTON LANDSCAPE STANDARD DETAILS SHALL APPLY TO THIS PROJECT

DRAWING NUMBER AND NAME

- 706 BACKFLOW PREVENTER FOR DOMESTIC OR IRRIGATION SERVICE
- 707 BACKFLOW PREVENTION DEVICES
- 801 REMOTE CONTROL VALVE
- 802 CHECK COUPLER FOR BACKFLOW BOX
- 803 SMALL GATE VALVE
- 805 IRRIGATION TRENCHING
- 806A TREE PLANTING DETAIL
- 806B ROOT BARRIER DETAIL
- 808 SPRINKLER PLANTING DETAIL
- 810 IRRIGATION SPLICE ASSEMBLY
- 811 CHECK COUPLER VALVE
- 812 RUP UP SPRINKLER ON TRIPLE SWING ASSEMBLY
- 817 RECONCILED HEADER
- 818 CROCODILET FOR PARK AND PARKWAY USE ONLY
- 819 STREET TREE BUBBLER DETAIL
- 822 STREET TREE PLANTING & IRRIGATION
- 825 SHRUB PLANTING DETAIL
- 824 FLOW SENSOR INSTALLATION
- 828 1" TOP ENTRY SATELLITE ASSEMBLY
- 827 FLOW SENSOR
- 829 IRRIGATION SATELLITE PREVENTER CITY MAINTAINED SYSTEMS



**B**  
**L-3** PLAZA PAVING PATTERN  
1/4" = 1'-0"



**A**  
**L-3** PLAZA PAVING PATTERN  
3/16" = 1'-0"

**M. D. FOTHERINGHAM**



**LANDSCAPE ARCHITECTS**  
323 Gray Street, Suite 407  
San Francisco, CA 94102  
Telephone: 415.434.8292  
Fax: 415.434.4393  
Email: info@mfotheringham.com



**BROOKWATER**  
IRRIGATION CONSULTANTS  
Free Cow Canyon Road, Suite 200  
San Ramon, CA 94583  
925.950-0417

**TRANSPORTATION CORRIDOR Phase 2 ARTS CENTER GARDENS**

CITY OF PLEASANTON  
DEPT. OF PUBLIC WORKS  
200 OLD BEYRAL ROAD  
P.O. BOX 520  
PLEASANTON, CA 94566-0802

**PLAZA DETAILS**

NO DOCUMENTS

AS NOTED

Designed by: MDF

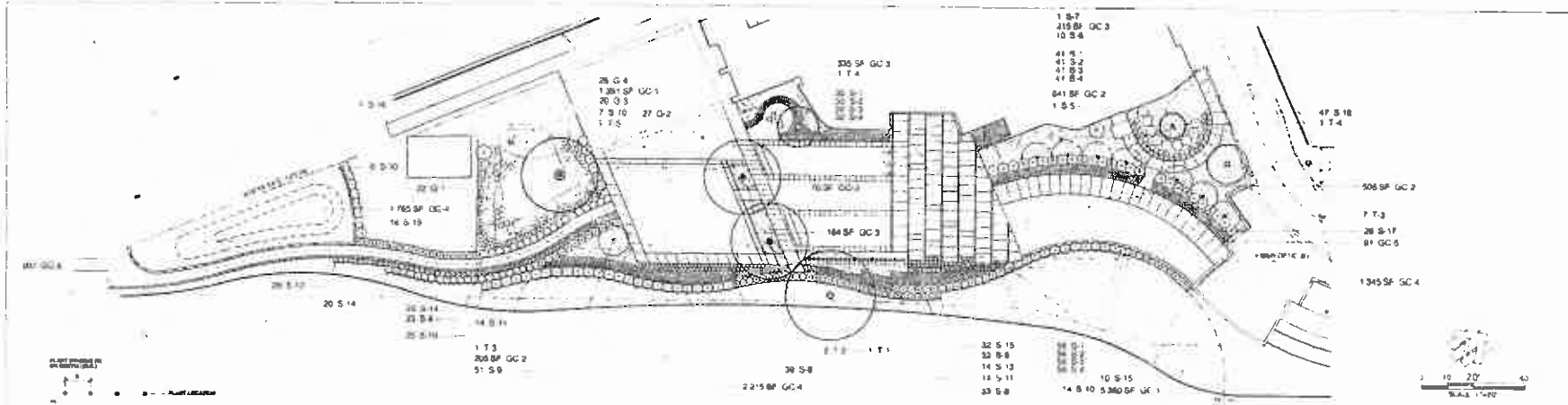
Drawn by: SH

Checked by: MDF

Revisions:

File Name: J:\Projects\Transportation Corridor Phase 2\Plaza Details\Plaza Details.dwg  
Date: 11/11/11  
BID DOC ISSUED: 05/08  
Project Number: 811C  
Sheet Number: **L-3**

**BERLOGAR GEOTECHNICAL CONSULTANTS**



**PLANT PLACING - TRIANGULAR PATTERN**

PLANT	QUANTITY
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1

**PLANT PLACING - TRIANGULAR PATTERN**

**ARTS CENTER GARDENS PLANT LIST**

SYMBOL	BOTANICAL NAME	COMMON NAME	EXPOSURE	WATER DEMAND	SPACING	FLOWER COLOR (OR FALL FOLIAGE)	SIZE	QUANTITY
<b>TREES</b>								
1	<i>Aesculus s. carnea</i> 'Foli Mchear'	Red Horse Chestnut	SW	Medium	See Plan	Pink	24" BOX	1
1.2	<i>Rosastralis baptista</i>	Chinese Flame Tree	SW	Medium	See Plan	Yellow	24" BOX	2
1.3	<i>Lagerströmia s. tatarica</i>	Crane Maple (Standard)	SW	Low	See Plan	Red Orange Foliage	24" BOX	8
1.4	<i>Hydrangea s. 'Claretique'</i>	Flowering Pear	SW	Medium	See Plan	White Orange Foliage	24" BOX	2
1.5	<i>Salix babingtonii</i>	Weeping Willow	SW	High	See Plan	See Plan	24" BOX	1
<b>ORNAMENTAL &amp; FLOWERING SHRUBS</b>								
3-1	<i>Agapanthus s. 'Albino'</i>	Lily of the Nile	SW	Medium	1' 6"	Deep Purple-blue	1 GAL	30
3-2	<i>Agapanthus s. 'Peter Pan'</i>	Lily of the Nile	SW	Medium	1' 6"	Blue	1 GAL	30
3-3	<i>Agapanthus s. 'Streamline'</i>	Lily of the Nile	SW	Medium	1' 6"	Grey-blue	1 GAL	120
3-4	<i>Agapanthus s. 'Tintinnabell'</i>	Lily of the Nile	SW	Medium	1' 6"	Light Blue variegated	1 GAL	120
3-5	<i>Barberry s. 'Innocent'</i>	Japanese Barberry	SW SW NE	Low	8"	Orange Foliage	5 GAL	1
3-6	<i>Barberry s. 'Prunifolia'</i>	Japanese Barberry	SW SW NE	Low	4"	Orange Yellow	5 GAL	10
3-7	<i>Conium maculatum s. 'Coma'</i>	Henry Lauder's Walking Stick	SW SW NE	Low/Medium	10"	Yellow	5 GAL	1
3-8	<i>Delphinium s. 'Doris'</i>	Little Red Fiat Lily	SW	Low/Medium	2"	Blue-grey foliage	1 GAL	60
3-9	<i>Delphinium s. 'Lambert'</i>	Giant Barberry Daisy	SW SW NE	Low	1"	Light Pink	1 GAL	107
3-10	<i>Ligustrum s. 'Indica'</i>	Dark Crapemyrtle	SW	Low	4"	Pink	5 GAL	54
3-11	<i>Ligustrum s. 'Dentata'</i>	French Lavender	SW	Low	3"	Deep Purple	1 GAL	28
3-12	<i>Ligustrum s. 'Mandarin'</i>	Dwarf Spirea Lavender	SW	Low	2"	Blue	1 GAL	28
3-13	<i>Ligustrum s. 'Lanceolatum'</i>	Dwarf Spanish Lavender	SW SW NE	Low	2"	Pink	1 GAL	14
3-14	<i>Flacellaria s. 'Complanata'</i>	Dwarf 8' spirea	SW SW NE	Low	2"	Pink	1 GAL	4
3-15	<i>Albizia s. 'Siamensis'</i>	Dwarf Laburnum	SW SW NE	Low	2"	Pink	1 GAL	40
3-16	<i>Rhamnus s. 'Californica'</i>	Collared Bay	SW SW NE	Low	6"	Green with orange edges	5 GAL	80
3-17	<i>Rhamnus s. 'Indica'</i>	Peppercorn	SW SW NE	Low	4"	Pink	1 GAL	28
3-18	<i>Rhamnus s. 'Coccinea'</i>	Spreading Rosemary	SW	Low	2"	Blue	1 GAL	47
<b>GROUND COVERS &amp; GRASSES</b>								
G 1	<i>Carex s. 'Laxa'</i>	Common Meadow Sedge	SW	Medium	2' 0"		1 GAL	22
G 2	<i>Carex s. 'Laxa'</i>	Barkley Sedge	SW	Medium	2' 0"		1 GAL	27
G 3	<i>Muhlenbergia s. 'Rigida'</i>	Dune Grass	SW	Medium	4' 0"		1 GAL	20
G 4	<i>Nasturtium s. 'officinale'</i>	Peppercorn	SW	Medium	2' 0"		1 GAL	28
GC 1	Mixed Fescue No Mow Blend by Pacific Sod (for approved equal)	Fescue Grass Blend	SW	Medium	8' 0"		800	4,000 SF
GC 2	Myoporum s. 'Panicum'	Spreading Myoporum	SW	Medium	8' 0"	White	1 GAL	40
GC 3	<i>Trachypogon s. 'Lanceolatus'</i>	Star Jasmine	SW SW NE	Medium	2' 0"	White	1 GAL	40
GC 4	Turf	30/10 Fescue Blend	SW SW NE	High	8' 0"		SEED	3,300 SF
GC 5	Acacia 'nana'	Acacia	SW	Low	1' 0"	Orange-red	1 GAL	28

KEY SW = All sun SW NE = partial sun NE = shade SW NE = sun or shade NE = shade

**CONSTRUCTION NOTES:**

1. THESE NOTES ARE PROVIDED IN CONJUNCTION WITH THE CITY OF PLEASANTON STANDARD SPECIFICATIONS AND DETAILS. THE CITY OF PLEASANTON, THROUGH PRESENTATION TO THE DEPARTMENT OF PUBLIC WORKS, HAS REVIEWED AND APPROVED THE PRESENTATION FOR THE CITY OF PLEASANTON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

2. LANDSCAPE CONTRACTOR SHALL REVIEW ALL EXISTING SITE CONDITIONS PRIOR TO COMMENCING INSTALLATION. ANY AND ALL DISCREPANCIES OR CONDITIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

3. LANDSCAPE CONTRACTOR SHALL VERIFY THE QUANTITY AND SPECIFICATIONS OF ALL MATERIALS AND PRODUCTS TO BE USED IN THE PROJECT. ALL MATERIALS AND PRODUCTS SHALL BE OF THE HIGHEST QUALITY AND SHALL BE APPROVED BY THE ARCHITECT AND THE CITY OF PLEASANTON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

4. ALL MATERIALS AND PRODUCTS SHALL BE STORED IN A SECURE AND PROTECTED AREA. ALL MATERIALS AND PRODUCTS SHALL BE KEPT IN THE ORIGINAL PACKAGING UNTIL USED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

5. ALL MATERIALS AND PRODUCTS SHALL BE DELIVERED TO THE PROJECT SITE IN A TIMELY MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

6. ALL MATERIALS AND PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PLEASANTON STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

7. ALL MATERIALS AND PRODUCTS SHALL BE MAINTAINED IN A CLEAN AND PROTECTED MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

8. ALL MATERIALS AND PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PLEASANTON STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PLEASANTON AND THE CALIFORNIA DEPARTMENT OF PUBLIC WORKS.

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**M D FOTHERINGHAM**

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Telephone: 415.434.6099  
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Visit Our Website: www.mdfotheringham.com

**LANDSCAPE ARCHITECT**

Professional Seal of M. D. Fotheringham, Landscape Architect, No. 12345, State of California.

**BROOKWATER**

IRRIGATION CONSULTANTS

Free Clow Canyon Road, Suite 209  
San Ramon, CA 94583  
925-895-0477

**TRANSPORTATION CORRIDOR Phase 2 ARTS CENTER GARDENS**

CITY OF PLEASANTON  
DEPT. OF PUBLIC WORKS  
300 OLD BISHOP ROAD  
PLEASANTON, CA 94566-0003

**PLANTING PLAN & PLANT SCHEDULE**

BD DOCUMENTS

AS NOTED

Drawn by: MFD  
Checked by: SM  
Reviewed by: MFD

Scale: As Shown

Sheet Number: 1-4

**BERLOGAR GEOTECHNICAL CONSULTANTS**





VICINITY MAP

**GENERAL NOTES**

- SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES. SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES.
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL ORDINANCES.
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**LIGHTING FIXTURE SCHEDULE**

NO.	SYMBOL	DESCRIPTION	QTY
1	(Symbol)	RECESSED CAN LIGHT - 4" DIA. - 1500 LUMENS	10
2	(Symbol)	RECESSED CAN LIGHT - 4" DIA. - 1500 LUMENS	10
3	(Symbol)	RECESSED CAN LIGHT - 4" DIA. - 1500 LUMENS	10
4	(Symbol)	RECESSED CAN LIGHT - 4" DIA. - 1500 LUMENS	10

**ELECTRICAL SYMBOL LIST**

NO.	SYMBOL	DESCRIPTION
1	(Symbol)	RECESSED CAN LIGHT
2	(Symbol)	RECESSED CAN LIGHT
3	(Symbol)	RECESSED CAN LIGHT
4	(Symbol)	RECESSED CAN LIGHT

**SIZE PLAN NOTES**

- SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES. SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES.
- SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES. SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES.
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- SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES. SEE ARCH. PLAN FOR ALL ELECTRICAL AND MECHANICAL SYMBOLS AND SCHEDULES.

PHOTOMETRIC SITE PLAN

ELECTRICAL SITE PLAN

**DETAIL 1**

**DETAIL 2**

**DETAIL 3**

**PANEL SCHEDULE (EXISTING)**

NO.	DESCRIPTION	QTY
1	RECESSED CAN LIGHT	10
2	RECESSED CAN LIGHT	10
3	RECESSED CAN LIGHT	10
4	RECESSED CAN LIGHT	10

**PANEL SCHEDULE (NEW)**

NO.	DESCRIPTION	QTY
1	RECESSED CAN LIGHT	10
2	RECESSED CAN LIGHT	10
3	RECESSED CAN LIGHT	10
4	RECESSED CAN LIGHT	10

BRANTON ASSOCIATES  
 Electrical Engineering Consultants  
 10000 West 10th Avenue, Suite 100  
 Denver, CO 80202  
 Tel: (303) 750-2400  
 Fax: (303) 750-2401

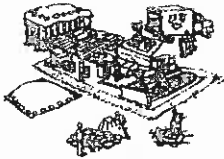
TRANSPORTATION CORRIDOR  
 PLEASANTON, California



NO.	DATE	DESCRIPTION
1	10/15/10	ISSUED FOR PERMIT
2	10/15/10	ISSUED FOR PERMIT
3	10/15/10	ISSUED FOR PERMIT

PROJECT NO. 1000000000  
 SHEET NO. E-1

# Pollution Prevention -- It's Part of the Plan



## Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with City of Pleasanton requirements. Contact the City of Pleasanton, Department of Public Works at 925-931-5650 or for private onsite work contact the Building and Safety Division at 925-931-5300.

### Materials storage & spill cleanup

#### Non-hazardous materials management

- Best, dirt, and other materials must be stored at least 10 feet from catch basins, and covered with a heavy dusting wet weather or when rain is forecast.
- Use dust sheet material to contain water for dust control as needed.
- Keep in vacuum streets and other paved areas daily. Do not wash down streets or work areas with water.
- Regrade all asphalt, concrete, and aggregate base material from construction activities.

Comply with City Ordinance for recycling construction materials, wood, dry board, pipe, etc.

Contact Pleasanton Garbage Service at 925-931-2043 for bulk recycling and debris disposal.

- Check dumpsters regularly for leaks and to make sure they don't overflow. Report or replace leaking dumpsters promptly.

#### Hazardous materials management

- Test all hazardous materials and have them tested for petroleum, PCBs, asbestos, lead, etc., and notified in accordance with city, state, and federal regulations.
- Store hazardous materials and waste in secondary containment and never leave during wet weather.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when wind is forecast within 24 hours.
- It is the contractor's responsibility to arrange for appropriate disposal of all hazardous waste.

#### Spill prevention and control

- Keep a stockpile of spill cleanup materials (sags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or canal.
- Report any hazardous materials spills immediately! Dial 911 or the Livermore/Pleasanton Fire Department at 925-454-5300.

### Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made/repairs made promptly.
- Fuel and maintain vehicles on site only in a locked area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a locked area that will not allow clean water to run into gutters, streets, storm drains, or canals.
- Do not clean vehicles or equipment with using soap, solvents, degreasers, steam cleaning equipment, etc.



### Earthwork & contaminated soils

- Keep excavated soil on the site where it is least likely to collect in the street.
- Trackers to dump events should have mats on the site, not in the street.
- Use filter mats, silt fences, or other control measures to maintain the flow of dirt off the site. Use the approved number control plan for this site.

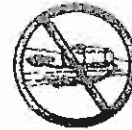


- Earth moving activities are only allowed during dry weather, by permit and as approved by the City Inspector in the field.
- Minimum vegetation in the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by seeding the soil with permanent erosion fabric, or seed with fast growing grasses as soon as possible. For so steep side slope slope until soil is secure.

- If you suspect contamination (oil, oil history, diesel, etc.), test, abandoned or to ground tanks or pipes, or buried debris, call Pleasanton/Livermore Fire Department at 925-454-5300 or the Regional Water Quality Control Board for help in determining what to do, how to do, and manage disposal of contaminated soil according to their instructions.

### Dewatering operations

- Always wear eye protection, life jackets, or similar safety gear to the greatest extent possible.
- Be sure to call Pleasanton's storm drain source control Inspector, Helen Carlson, before discharging water in a street, gutter, or storm drain (925-931-6610). Filtration or dewatering through a bank, rock, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the City Inspector to determine what testing is required and how to interpret results. Construction of groundwater must be located or located off-site for proper disposal.

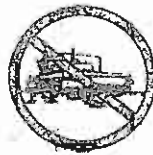


### Saw cutting

- Always completely cover or backfill storm drains, inlets when saw cutting. Use clear fabric, catch basin inlet filters, or sand-filled bags to keep debris out of the storm drain system.
- Shovel, sweep, or vacuum saw dust and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner).
- Do not let sawdust catch basins, clean it up immediately.

### Paving/asphalt work

- Do not pave during wet weather or when rain is forecast.
- Always cover storm drains, inlets and catch basins when paving or applying seal coat, tank coat, slurry seal, or fly ash.
- Place deep pans or absorbent material under paving equipment when not in use.
- Protect gutters, ditches, and drainage courses with sand-filled bags, or erosion barriers.
- Do not sweep or wash down excess seal coat from paving into gutters, storm drains, or canals. Collect seal and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.



### Concrete, grout, and mortar storage & waste disposal

- Do not mix concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment before use or discharge on curbside area for washing where water will flow into dirt or into a temporary pit in a dirt area. Let the water soak into the soil and dispose of hard-washed concrete with trash.
- Direct water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.



### Painting

- Never clean paint brushes or materials in a gutter or street.
- Wash out excess water-based paint before cleaning in water, oil, or solvents in a sink. If you work in a sink, direct wash water to a dirt area and reuse it in.
- Wash out excess oil-based paint before cleaning brushes in a sink.
- Wash paint brushes and materials for reuse whenever possible. Dispose of oil-based paint sludge and unusable brushes as hazardous waste.



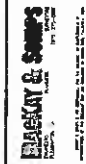
Key Area: Stormwater Management  
Agencies: Alameda County (925) 454-5300  
1-800-347-9988

Storm drain polluters may be liable for fines of \$10,000 or more per day!



*Patricia A. Anderson*  
PRINCIPAL ENGINEER, NEW HIRE  
L.P.E., P.E., C.E.  
CITY ENGINEER  
CITY OF PLEASANTON  
PLEASANTON, CALIFORNIA

For more detailed information  
Visit us on the "World Wide Web" - 925-931-6610 or  
www.ci.pleasanton.ca.us/department/development.html



CITY STANDARD POLLUTION PREVENTION NOTES  
FIREHOUSE ARTS CENTER GARDEN  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

DATE	NO.	REV.



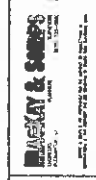
**GENERAL NOTES**

1. ALL MATERIAL AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE CITY OF PLEASANTON. STANDARD SPECIFICATIONS AND DETAILS ARE AVAILABLE IN THE OFFICE OF THE CITY ENGINEER.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM THE WORK SHOWN IN THESE PLANS. CONTRACTOR AND ALL SUBCONTRACTORS SHALL OBTAIN ENFORCEMENT PERMITS FOR MOVE-IN OF EQUIPMENT AND WHEN ANY WORK IS TO BE DONE TO CITY FACILITIES OR WITHIN CITY RIGHT-OF-WAY, PRIOR TO THE START OF ANY CONSTRUCTION.
3. THE CITY SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH PUBLIC WORKS INSPECTOR PRIOR TO ANY WORK COMMENCING ON PROJECT. CONTRACTOR AND ALL SUBCONTRACTORS WILL BE REQUIRED TO ATTEND.
4. THE OFFICE OF THE PUBLIC WORKS INSPECTOR (PHONE: (925) 931-5681) SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM CITY OF PLEASANTON.
6. ADEQUATE PROVISIONS SHALL BE MADE FOR DUST CONTROL (SUPPLY WATER TRUCK).
7. ADEQUATE PROVISIONS FOR SILT AND EROSION CONTROL IN BOTH CONSTRUCTION AND POST CONSTRUCTION PHASES OF DEVELOPMENT SHOULD BE PROVIDED AS SHOWN ON EROSION CONTROL PLAN.
8. IF APPLICABLE, CONTRACTOR SHALL REMOVE ALL EXISTING BENCHES, STRUCTURES, BARRICADES, PAVING AND/OR DR. SCURFINGS WITHIN SPECIFIC AREAS INDICATED TO BE IMPROVED.
9. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT MCKAY & SOMERS AT (925) 225-0880 FOR FURTHER CLARIFICATION.
10. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES - CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-842-2444. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD.
11. CONSTRUCTION STAKES SHALL BE PROVIDED BY CITY OF PLEASANTON.
12. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
13. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.
14. THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY ENGINEER. ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
15. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SUBSIDIARIES, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRASSES, ETC. AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
16. ALL WORK SHALL BE DONE BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M. MONDAY THROUGH FRIDAY, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
17. THESE PLANS AND SPECIFICATIONS, INCLUDING DRAINS AND STREET DRAINAGE ARE SUBJECT TO MODIFICATION DURING CONSTRUCTION SHOULD CONDITIONS APPEAR THAT WERE NOT ANTICIPATED DURING DESIGN. ANY SUCH MODIFICATION SHALL BE APPROVED BY THE CITY ENGINEER.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE CITY INSPECTOR AND MCKAY AND SOMERS UPON DISCOVERY OF ANY FIELD CONFLICTS.
19. DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT THE APPROVAL OF THE DESIGN ENGINEER SHALL RESOLVE THE MCKAY AND SOMERS OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
20. EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF CITY ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
21. RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY INCLUDING FEES, SIGNS, PERMITS AND WORKING CONDITIONS, ETC. THIS WORK SHALL BE DONE AT NO EXPENSE TO THE UTILITY COMPANY. THE OWNER SHALL PAY THE COST OF ALL SUCH RELOCATION.
22. EXISTING WELLS ON PROPERTY SHALL BE SEALED AND ABANDONED IN ACCORDANCE WITH APPLICABLE GROUNDWATER PROTECTION ORDINANCES. THE OWNER OR OTHER RESPONSIBLE PARTY SHOULD CALL ZONE 7 AT (925) 454-2800 FOR ADDITIONAL INFORMATION. ZONE 7 INSPECTOR SHALL WITNESS THE SEALING AND ABANDONMENT.

**CONSTRUCTION NOTES**

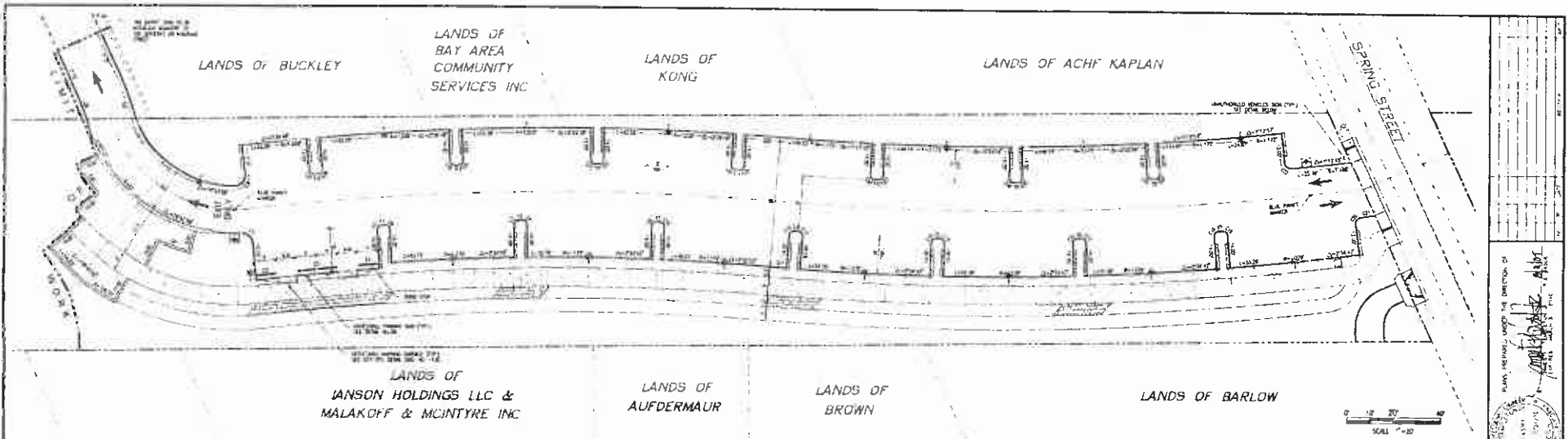
1. ALL CONSTRUCTION SHALL CONFORM TO CITY OF PLEASANTON SPECIFICATIONS AND STANDARDS DETAILS DATED JUNE 2002.
2. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE CORRECTION OF MISTAKES, ERRORS OR OMISSIONS.
3. PAVING CURBS, GUTTER, AND SIDEWALK SHALL BE CLASS A PORTLAND CEMENT CONCRETE. ALL POINTS OF GRADE CHANGE NOT WITHIN A VERTICAL CURVE SHALL BE ROUNDED IN FIELD FOR PROPER APPEARANCE. SIDEWALK TO BE 4" THICK AND CONSTRUCTED OF PORTLAND CEMENT CONCRETE. STANDARD PORTLAND CEMENT CONCRETE VERTICAL CURBS AND GUTTER TO BE USED THROUGHOUT TO CONFORM TO STANDARD PLANS. ALL WORK TO CONFORM TO THE STANDARDS OF CITY OF PLEASANTON.
4. ALL TREES ARE ANTICIPATED TO BE REMOVED FROM THIS PROJECT. SEE NOT SPECIFICALLY IDENTIFIED TO BE REMOVED ON THE CONSTRUCTION DRAWINGS SHALL BE SUBJECT TO THE APPROVAL OF CITY OF PLEASANTON LANDSCAPE ARCHITECT.
5. SPECIES AND LOCATIONS OF PROPOSED TREES SHALL BE SHOWN ON THE LANDSCAPE PLANS.
6. UNDERGROUND UTILITIES, PRIOR TO FINAL PREPARATION OF SUBGRADE AND PLACEMENT OF BASE MATERIAL, ALL UNDERGROUND UTILITY MARKS SHALL BE MADE AVAILABLE IN SUCH A MANNER THAT WILL ORBATE THE NECESSITY OF DISTURBING THE PAVEMENT CURBS AND GUTTER WHEN CONNECTIONS ARE MADE.
7. PRIOR TO PLACING AGGREGATE BASE IN PAVED AREAS, PAVING CONTRACTOR TO VERIFY THAT ALL ELECTRICAL AND IRRIGATION SLEEVES HAVE BEEN INSTALLED. SEE CIVIL, JOINT TRENCH PLAN AND LANDSCAPE PLANS FOR EXACT LOCATIONS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANY.
10. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF CURBS, FINAL PREPARATION OF SUBGRADE, AND PLACEMENT OF BASE MATERIAL. JETING OF TRENCHES WILL NOT BE PERMITTED.
11. ALL STOPPING AND STOPPING SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. ALL STOPPING WITH THE VEHICULAR TRAVELER SHALL BE THERMOPLASTIC.
12. ALL TRENCH BACKFILL SHALL BE REPORT FILL TO WITHIN ONE FOOT OF SUBGRADE IN STREET AREAS (TWO FEET IN "OPEN" AREAS) PER CITY STANDARDS. SEE APPROVED BACKFILL SPECIFICATIONS.
13. MANHOLES AND WATER VALVE REAR COVERS SHALL BE BROUGHT TO FINISH GRADE BY THE CONTRACTOR WITHIN 48 HOURS AFTER PAVING IS COMPLETED.
14. APPLY A BITUMINOUS FOC SEAL COAT TO ALL NEW PAVEMENT AREAS AS DIRECTED BY THE CITY INSPECTOR.
15. CURB RAMP'S SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS IN THE LATEST VERSION OF THE STATE STANDARD PLANS AND CITY OF PLEASANTON ON SPECIAL PROVISIONS ON DETECTABLE WARRINGS IN THE FORM OF TRIANGULAR COUMES.
16. THE CONTRACTOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS PERTAINING TO EXCAVATIONS AND TRENCHES.
17. THE CONTRACTOR WILL COMPLY WITH THE CITY'S BRANCO CLEAN WATER PROGRAM IN ACCORDANCE WITH THE APDES REQUIREMENTS ISSUED BY THE STATE WATER RESOURCES QUALITY CONTROL BOARD.
18. STORM SERVICES: ALL STORM DRAIN LINES SHALL BE RUBBER GASKETED TYPE, 10" CLASS B PIPE, ASTM C-70 OR BETTER UNLESS OTHERWISE NOTED ON PLANS.
19. DISCHARGES DRAINING FROM OFFSITE WHICH FLOW ACROSS OR THROUGH AREAS ENCLOSED BY CONSTRUCTION THAT MAY CONTAIN POLLUTANTS SHOULD BE REPORTED TO THE PROPOSED SEWAGE CONTROL PLANS ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL WELLS TO THE STORM DRAIN SYSTEMS AT ALL TIMES DURING THE FIRM SYSTEM.
20. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO THE START OF JOINT TRENCH WORK. ALL UTILITY COMPANIES AND THE PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED OF THIS MEETING A MINIMUM OF 48 HOURS IN ADVANCE OF MEETING.
21. LIGHT POLES ARE SHOWN ON THE CIVIL IMPROVEMENT PLANS FOR INFORMATION ONLY. SEE JOINT TRENCH PLAN FOR DETAILS.
22. ALL BUTTERFLY VALVES TO BE FLANGED TO TEES ON CROSSSES. CONTRACTOR SHALL USE FLANGE IF NO VALVES UNLESS OTHERWISE INDICATED OR APPROVED BY THE CITY ENGINEER.
23. IRRIGATION SERVICES SHALL BE 2" DIAMETER WITH 1" METRIC FITTINGS.
24. WREWER IRON PIPE SHALL BE PER CITY SPECS.
25. INSTALLATION OF WATER LINES (MINIMUM COVER OF 3.5' FOR ALL PIPES) SHALL COMMENCE ONLY AFTER ALL SANITARY AND STORM SEWER TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED AND THE SUBGRADE HAS BEEN FINE GRADED.

26. WATER VALVES SHALL BE PER STANDARD CITY SPECIFICATIONS.
27. WAVE STEMS SHALL BE BROUGHT TO WITHIN 5 FEET OF FINISH GRADE BY EXTENSIONS AND GUIDES. DO NOT USE ANY EXTENSION OF LESS THAN 18".
28. CONTRACTOR SHALL PERMANENTLY MARK THE LOCATION OF ALL WATER VALVES BY TWO POINTS ON THE FACE OF CURB BY ROMAN NUMERALS, ABOVE AND RED PAINT.
29. THRUST RESTRAINT SHALL BE PROVIDED AT TEES AND ELBOWS 22 1/2" OR GREATER. CONCRETE THRUST BLOCKS SHALL BE INSTALLED PER CITY STANDARD.
30. BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ON ALL IRRIGATION AND FIRE SERVICES.
31. WATER METERS SHALL BE INSTALLED BY THE CITY ON DOMESTIC AND IRRIGATION SERVICES.
32. TIE-INS BY THE CONTRACTOR MUST BE COORDINATED WITH THE CITY INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF WORK. EXCAVATIONS BY THE CONTRACTORS FOR THE TIE-INS MUST BE APPROVED BY THE CITY ENGINEER OR AUTHORIZED REPRESENTATIVE THE DAY BEFORE WORK IS TO COMMENCE AT EACH TIE-IN.
33. FIRE HYDRANTS TO BE INSTALLED AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH CITY STANDARD BLUE WARRORS INDICATING EXISTENCE OF FIRE HYDRANTS SHALL BE INSTALLED PER CITY STANDARD DRAWINGS. HYDRANTS SHALL BE PER CITY STANDARD.



GENERAL AND CONSTRUCTION NOTES  
 TRANSPORTATION CORRIDOR PARKING LOT  
 CITY OF PLEASANTON  
 ALAMEDA COUNTY, CALIFORNIA

DATE: 10/10/00  
 SHEET NO: 2  
 OF 20 SHEETS



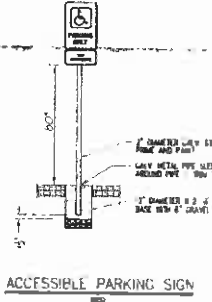
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NO.	WIDTH	DATA	LENGTH
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C2	1.0000	#O28.87°	0.00
C3	1.0000	#O28.87°	16.00
C4	1.0000	#O28.87°	0.00
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C6	2.00	#O28.87°	3.15
C7	2.00	#O28.87°	3.15
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C10	2.00	#O28.87°	3.15
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C14	2.00	#O28.87°	3.15
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C17	2.00	#O28.87°	3.15
C18	2.00	#O28.87°	3.15
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C31	2.00	#O28.87°	3.15
C32	2.00	#O28.87°	3.15
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C35	2.00	#O28.87°	3.15
C36	2.00	#O28.87°	3.15
C37	2.00	#O28.87°	3.15
C38	2.00	#O28.87°	3.15
C39	2.00	#O28.87°	3.15
C40	2.00	#O28.87°	3.15
C41	2.00	#O28.87°	3.15
C42	2.00	#O28.87°	3.15
C43	2.00	#O28.87°	3.15

CURB TANGENT TABLE				
NO.	DATA	LENGTH	NO.	DATA
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T2	1.00		T2	1.00
T3	1.00		T3	1.00
T4	1.00		T4	1.00
T5	1.00		T5	1.00
T6	1.00		T6	1.00
T7	1.00		T7	1.00
T8	1.00		T8	1.00
T9	1.00		T9	1.00
T10	1.00		T10	1.00
T11	1.00		T11	1.00
T12	1.00		T12	1.00
T13	1.00		T13	1.00
T14	1.00		T14	1.00

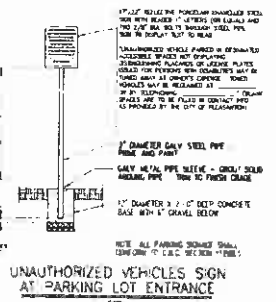
PAVEMENT SECTIONS & ROCK CHART				
DESCRIPTION	H-VALUE	F1	THICKNESS (INCHES)	
LASTEST PAVING DETAILS	5	4	2.0	3
SMALL WAY	5	5	2.5	11

**DIMENSIONAL AND STRIPING PLAN**

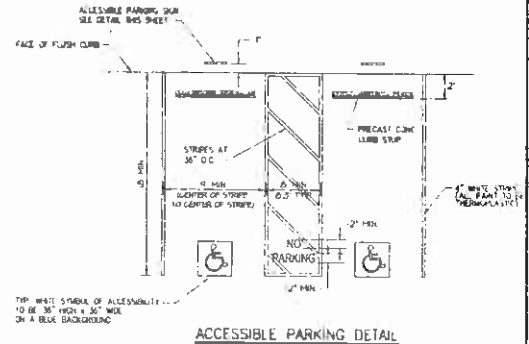
$1" = 20'$



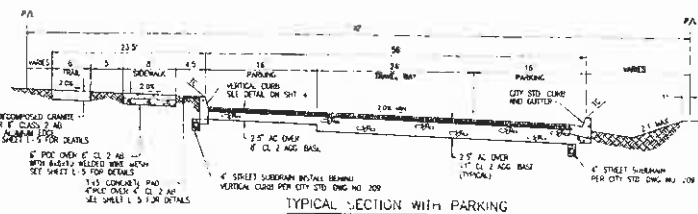
ACCESSIBLE PARKING SIGN



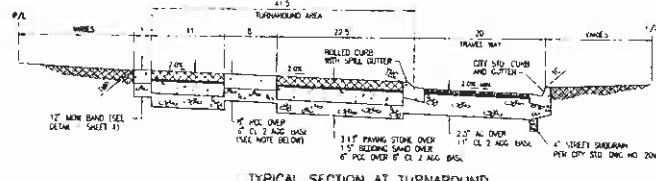
UNAUTHORIZED VEHICLES SIGN AT PARKING LOT ENTRANCE



ACCESSIBLE PARKING DETAIL



TYPICAL SECTION WITH PARKING



TYPICAL SECTION AT TURNAROUND

PLANS PREPARED UNDER THE DIRECTION OF

**BERLOGAR & SOBEL**

REGISTERED PROFESSIONAL ENGINEER

NO. 10000

STATE OF CALIFORNIA

EXPIRES 12/31/2024

DATE: 10/15/2024

PROJECT: DIMENSIONAL AND STRIPING PLAN

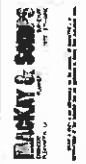
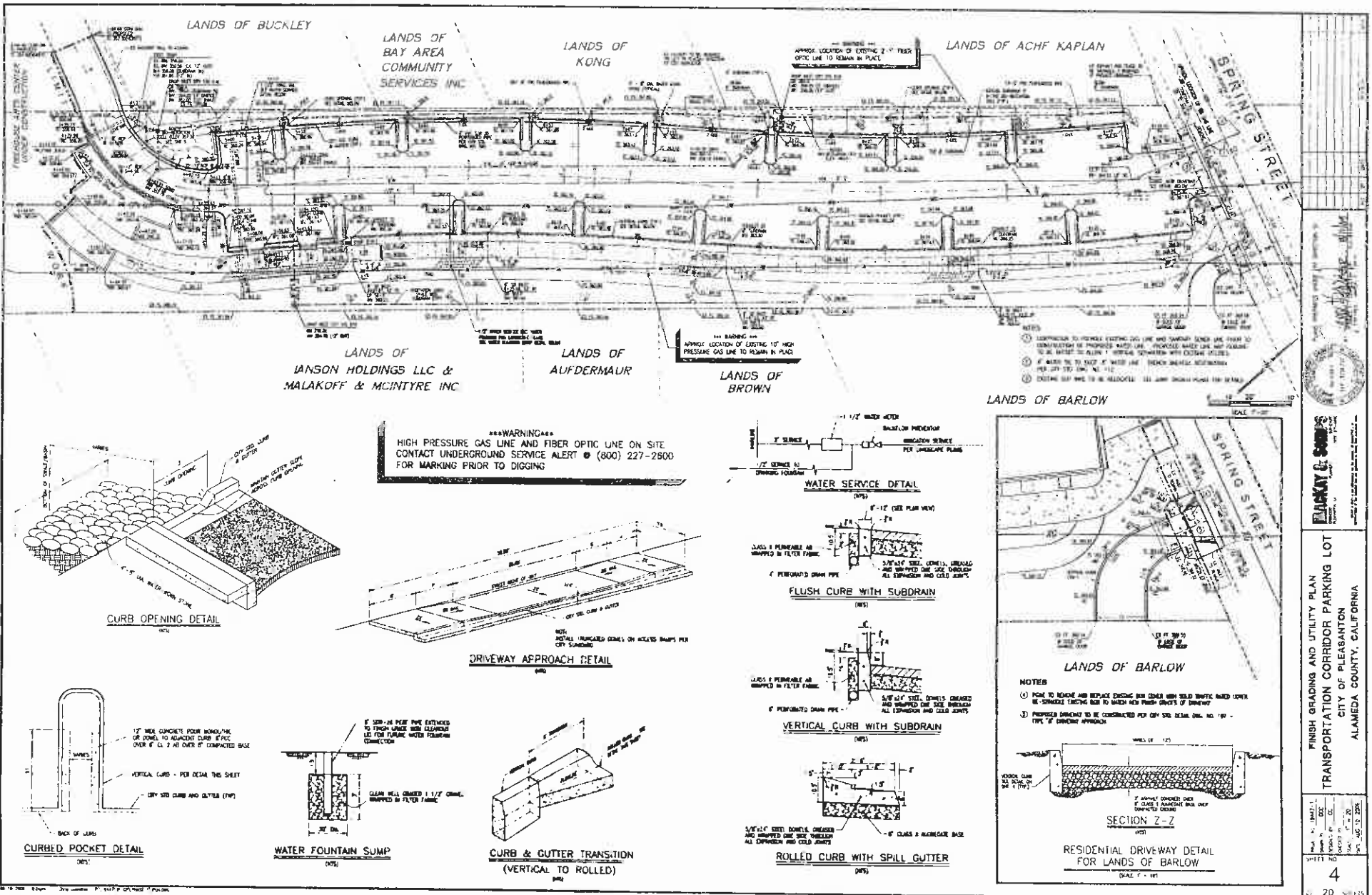
TRANSPORTATION CORRIDOR PARKING LOT

CITY OF PLEASANTON

ALAMEDA COUNTY, CALIFORNIA

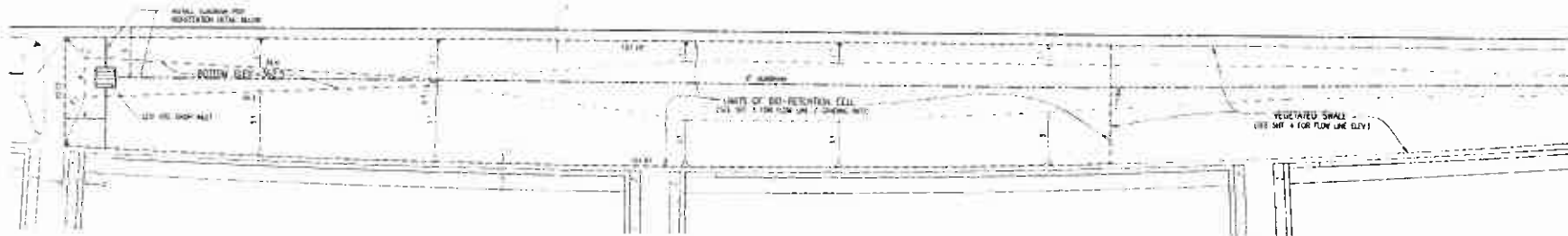
3

11 30 SHEETS

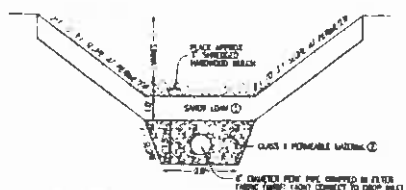


FINISH GRADING AND UTILITY PLAN  
 TRANSPORTATION CORRIDOR PARKING LOT  
 CITY OF PLEASANTON  
 ALAMEDA COUNTY, CALIFORNIA

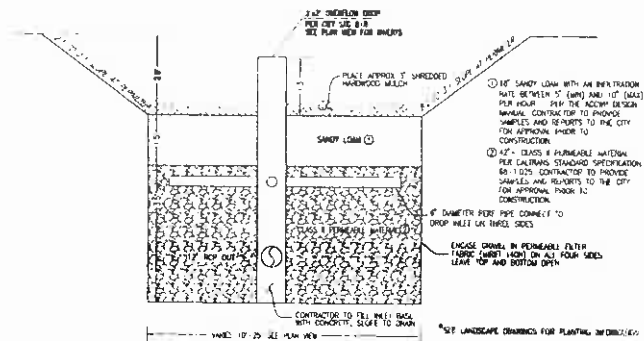
DATE: 12/15/10  
 SHEET NO: 4  
 OF 20



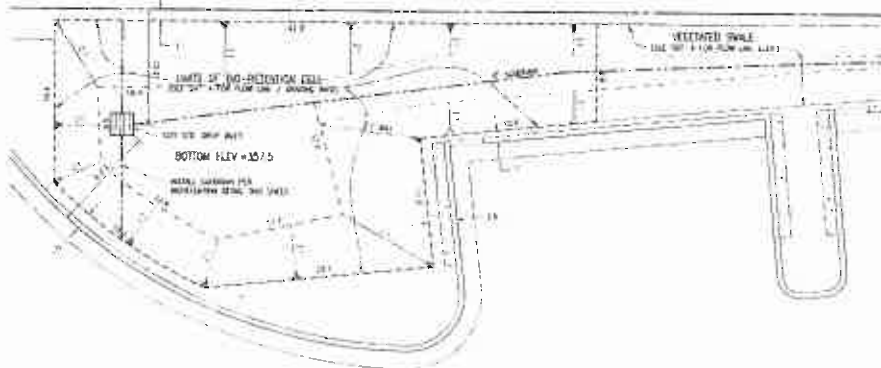
NORTH BIORETENTION CELL  
SCALE 1" = 10'



TYPICAL VEGETATED SWALE WITH SUBDRAIN  
SCALE 1" = 10'



TYPICAL BIORETENTION BASIN  
SCALE 1" = 10'



SOUTH BIORETENTION CELL  
SCALE 1" = 10'



BIORETENTION DETAILS  
TRANSPORTATION CORRIDOR PARKING LOT  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

PROJECT NO. 10123  
SHEET NO. 07  
DATE: 08/10/00

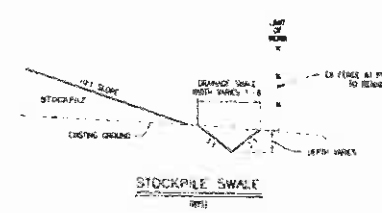
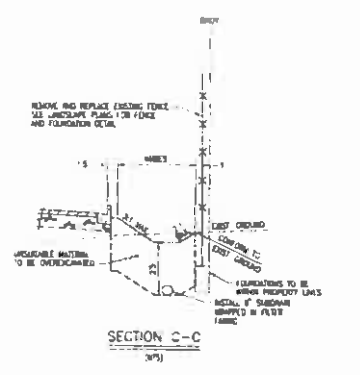
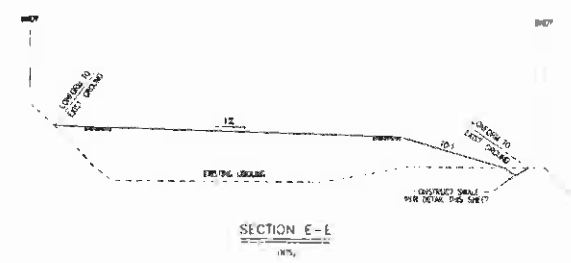
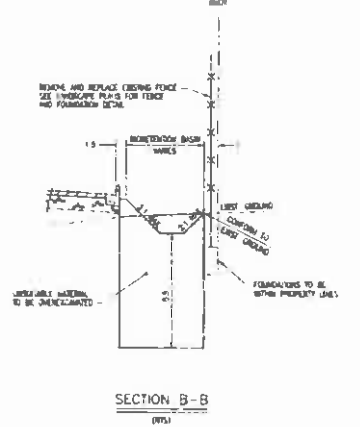
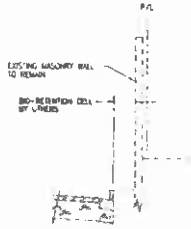
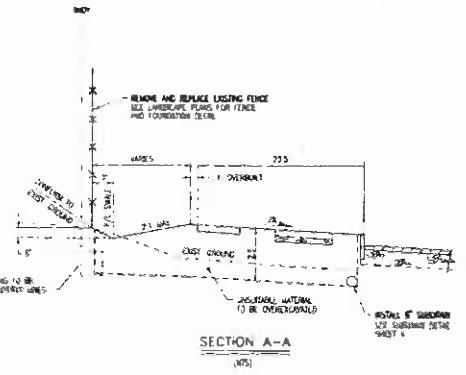
BERLOGAR GEOTECHNICAL CONSULTANTS

**EARTHWORK SUMMARY**  
ENTIRE SITE

ITEM	ESTIMATED CUT (CY)	ESTIMATED FILL (CY)	ESTIMATED IMPORT (CY)	ESTIMATED OFFHAUL TO STOCKPILE (CY)
SUBSTRICATION OF UNDESIRABLE MATERIAL WITHIN LANDSCAPE AREAS (1.5' BELOW FINISH GRADE @ LANDSCAPE AREAS) (1.5' BELOW FINISH GRADE @ BIODIVERSION AREA)	1580	150	-	1430
PARKING LOT AREA (GRADE TO PARALLEL TO SURFACE PER PLANS)	630	440	-	190
IMPORT SUBJECT FILE TO LANDSCAPING AREAS (FILE TO BE A FINE SAND) (SEE AS INDICATED BY THE CIVIL - SEE SECS AND NOTE J BELOW)	-	-	2720	-

**NOTES:**

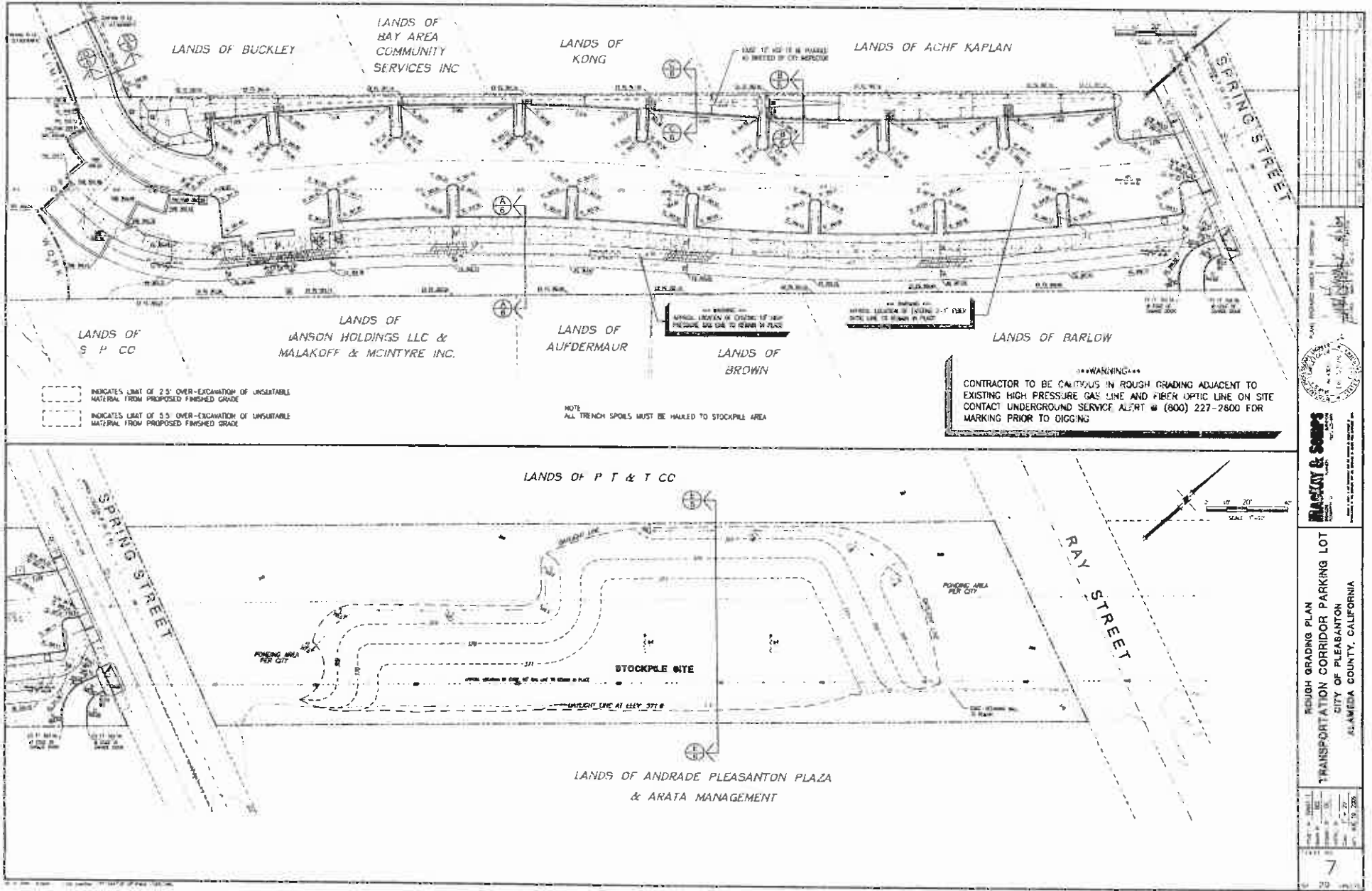
1. THE EARTHWORK SUMMARY IS PROVIDED AS A COURTESY AND CONVENIENCE TO THE CONTRACTOR. THE EXCESSES AND SHORTAGES ARE APPROXIMATELY CALCULATED QUANTITIES BASED ON THE DIFFERENCE BETWEEN EXISTING GROUND ELEVATIONS AND FINISH GROUND ELEVATIONS. THE CALCULATION ASSUMES AND PROVIDES THE CORRECTION FOR SETTLEMENT DUE TO COMPACTION AND REBOUND OF MATERIALS SUCH AS COMPACTION DEFICIENCY AND THE CONTRACTOR'S BEHAVIOR OF OPERATION. THE VOLUME OF SOIL MOVED IN THE FIELD WILL IN ALL LIKELIHOOD VARY TO SOME EXTENT FROM THE CALCULATED QUANTITIES. THE EARTHWORK SUMMARY DOES NOT INCLUDE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IN ADVANCE THE QUANTITY OF EARTHMOVING THAT WILL BE REQUIRED TO FINISH UNDER THIS JOB. IT IS UNDERSTOOD THAT THE CONTRACTOR'S BID PRICE FOR FINISH GRADING THIS JOB IS BASED ON THE CONTRACTOR'S OWN EARTHWORK ESTIMATE AND INCLUDES PROVISION FOR ANY GRADE ADJUSTMENTS REQUIRED THROUGH THE JOB TO A FINISH GROUND GRADE CONDITION.
2. CONTRACTOR SHALL UNDERTAKE PASS OR LOWER STOCKPILE GRADE TO DRAINAGE (IT GENERATES APPROXIMATELY 400 CY IN PLACE).
3. ALL SOIL MATERIAL SHALL BE A FINE SANDY LOAM - SAMPLES AND SPECIFICATIONS OF MATERIAL SHALL BE PROVIDED TO CIVIL FOR APPROVAL IN ADVANCE TO THE GRADING CONTRACTOR.



ROUGH GRADING NOTES & SECTIONS  
TRANSPORTATION CORRIDOR PARKING LOT  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

PROJECT NO. 2008-001  
SHEET NO. 01  
DATE: 01/09/08

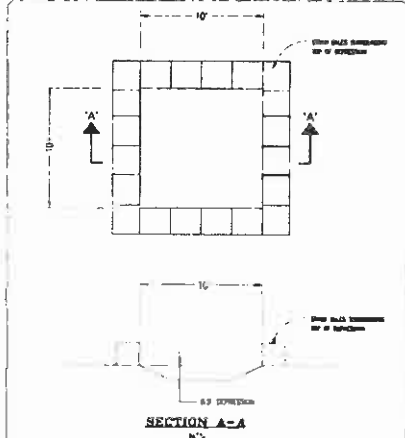




**Blackley & Sons**  
 CIVIL ENGINEERS  
 10000  
 12/15/10

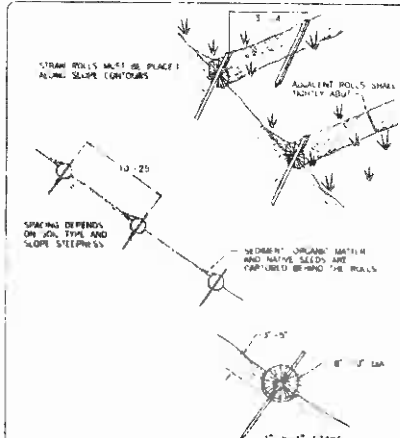
ROUGH GRADING PLAN  
 TRANSPORTATION CORRIDOR PARKING LOT  
 CITY OF PLEASANTON  
 ALAMIDA COUNTY, CALIFORNIA

DATE	NO.	BY	CHKD.
12/15/10	1	...	...
12/15/10	2	...	...
12/15/10	3	...	...
12/15/10	4	...	...
12/15/10	5	...	...
12/15/10	6	...	...
12/15/10	7	...	...



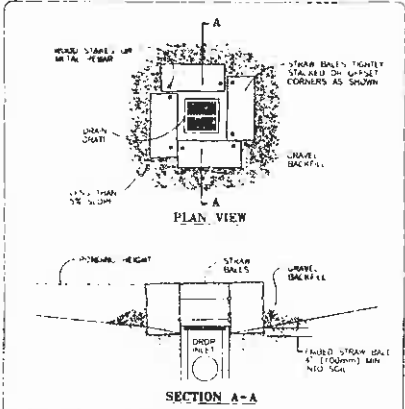
- CONCRETE WASHOUT AREA DETAIL**
1. WASHOUT AREA MUST BE AT LEAST 18" FROM STORM DRAIN AND CURBS
  2. WASHOUT AREA MUST BE AT LEAST 18" FROM STORM DRAIN AND CURBS
  3. DO NOT ALLOW ANY RUNOFF TO REACH THE STREET OR THE STORM DRAIN

**CONCRETE WASHOUT AREA DETAIL**



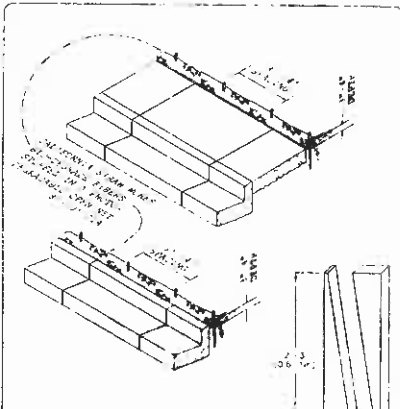
- WATTLES IN OPEN AREAS**
- NOTE:**
1. STRAW MATT INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE MATT IN A TRENCH, 8" DEEP, OR ON CONCRETE FORMS. MATT MUST BE 6" TO 8" UNDER OR ABOVE THE MATT.
  2. SPECIFICATION CALIFORNIA MOTOR ROAD 900-020000. MATT STAKED IN A TRENCH IS STAKED WITH 2" X 4" OR 2" X 6" OR 4" X 4" STAKE.

**WATTLES IN OPEN AREAS**



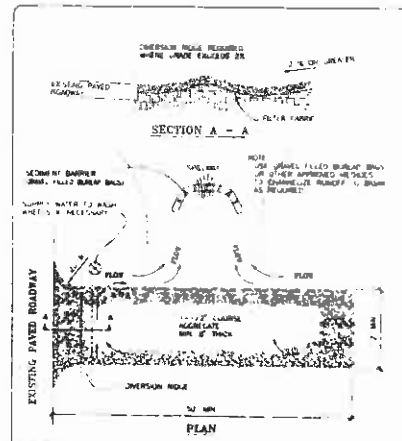
- STRAW BALE/GRAVEL DRAIN INLET SEDIMENT BARRIER**
- NOTE:**
1. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE
  2. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE
  3. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE

**STRAW BALE/GRAVEL DRAIN INLET SEDIMENT BARRIER**



- WATTLES ALONG C/G & SIDEWALK**
- NOTE:**
1. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE
  2. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE
  3. THE BARRIER SHALL BE 4' HIGH AND 4' WIDE

**WATTLES ALONG C/G & SIDEWALK**

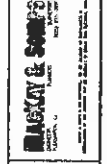
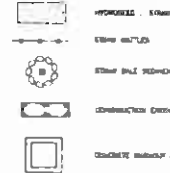


- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**
- NOTE:**
1. THE GRAVEL SHALL BE 2" THICK
  2. THE GRAVEL SHALL BE 2" THICK
  3. THE GRAVEL SHALL BE 2" THICK

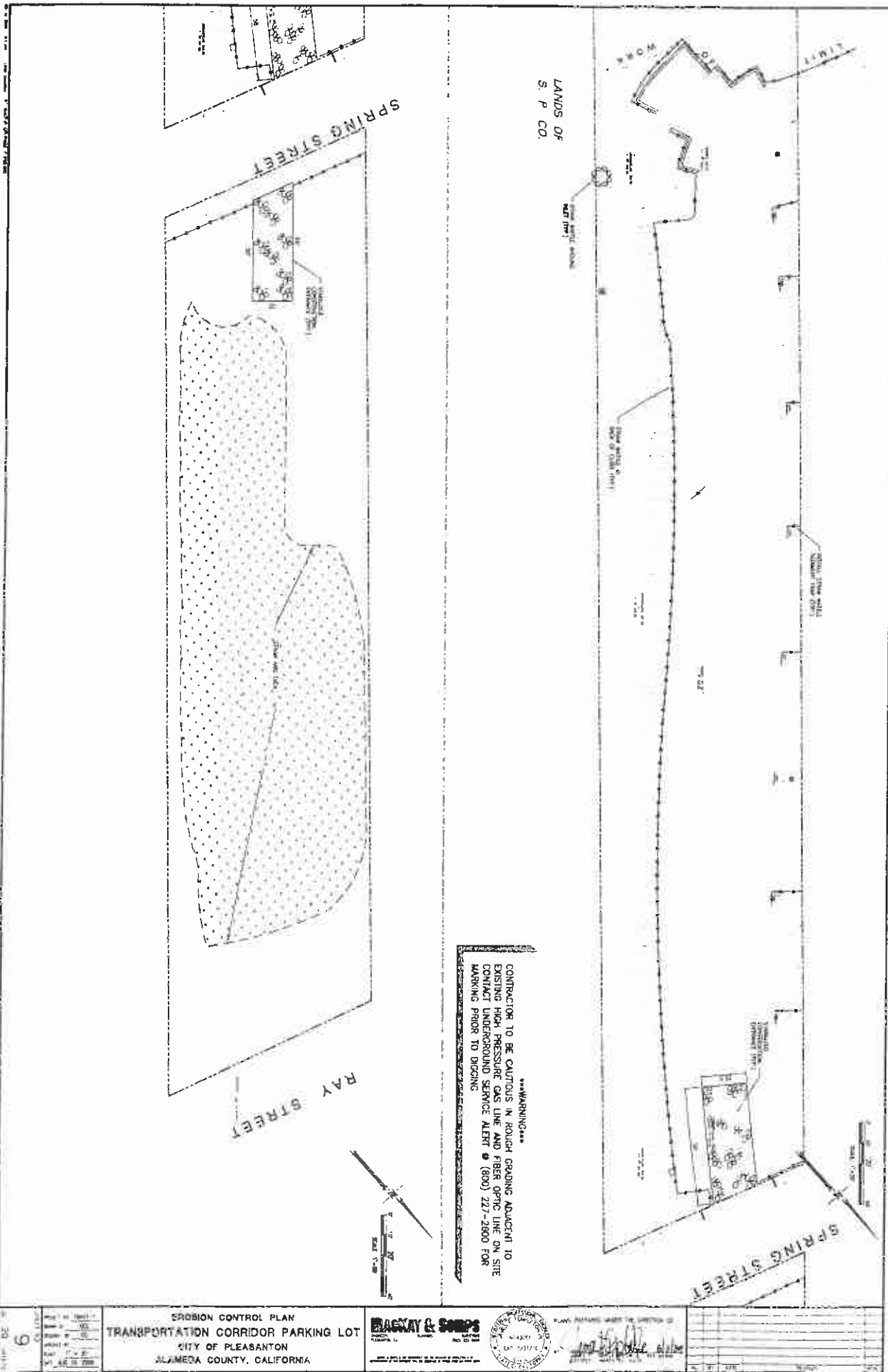
**EROSION CONTROL MEASURES**

1. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OBTAINING A PERMIT AND SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION. DESIGN OF MEASURES SHALL BE APPROVED BY THE CITY ENGINEER. MAINTENANCE OF THESE MEASURES SHALL BE MONITORED AND REPORTED BY THE PROJECT CONTRACTOR.
2. PRIOR TO THE COMMENCEMENT OF ANY CLEANING WORKING OR EXCAVATION THE CONTRACTOR SHALL PROVIDE EVIDENCE THAT A NOTICE OF INTENT (NOI) HAS BEEN SUBMITTED TO THE CALIFORNIA SITE WATER POLLUTION CONTROL BOARD A COPY OF THE NOTICE SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL SUBMIT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR REVIEW AND APPROVAL BY THE CITY ENGINEER. THE SWPPP SHALL BE IMPLEMENTED BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AND SUPPLIERS OF MATERIALS AND EQUIPMENT. CONSTRUCTION SITE CLEANUP AND CONTROL OF CONSTRUCTION DEBRIS SHALL ALSO BE ADDRESSED BY THE SWPPP. FAILURE TO COMPLY WITH THE APPROVED SWPPP WILL RESULT IN THE ISSUANCE OF CONSTRUCTION VIOLATIONS, CITATIONS OR A PROJECT STOP ORDER.
4. AFTER EACH WORKING PERIOD THE CONTRACTOR SHALL FILE A REPORT WITH THE CITY ENGINEER AND THE CALIFORNIA SITE WATER POLLUTION CONTROL BOARD. REQUIRED MEASURES AND DEBRIS REMOVAL PROCEDURES SHALL BE INSTALLED TO PREVENT EROSION.
5. BETWEEN OCTOBER 15 AND APRIL 15 UNPAVED GRAVEL DRIVEWAYS AND DRIVEWAYS SHALL BE COVERED WITH A TURF PROTECTABLE GRAVEL EROSION CONTROL BLANKET. MAT PLACES SHALL BE INSTALLED AT EACH CORNER AND ALONG THE TOE OF SLOPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL SLOPE PROTECTION WHICH MAY BE REQUIRED TO PREVENT SLIDING OF NATURAL WATER COURSES AND STORM DRAINAGE FACILITIES.
6. THE REMOVAL OF NATURAL VEGETATION OR GRASS COVER FROM THE SITE IS ORDERED TO REDUCE THE POTENTIAL FOR EROSION AND SEDIMENTATION PROBLEMS. ALL CUT AND FILL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION OF WORKING. NO SLOPING SHALL OCCUR BETWEEN OCTOBER 15 AND APRIL 15 UNLESS A DETAILED EROSION CONTROL PLAN HAS BEEN APPROVED BY THE PUBLIC WORKS DEPARTMENT AND IMPLEMENTED BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL REVIEW THE JOB SITE PRIOR TO WORKING. ALL VEGETATION AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE JOB SITE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE REINSTALLED IN THE SAME PLACE AND CONDITION.
8. A POINT SHALL BE DESIGNATED FROM THE CITY OF PLEASANTON IF THE CONTRACTOR WANTS TO UTILIZE CONSTRUCTION WATERS FROM A PUMP. THE POINT SHALL BE APPROVED BY THE CITY AND THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS POINT AT NO ADDITIONAL COST IF DESIGNATED BY THE CONTRACTOR.

**EROSION CONTROL LEGEND**



EROSION CONTROL NOTES, DETAILS & LEGEND  
 TRANSPORTATION CORRIDOR PARKING LOT  
 CITY OF PLEASANTON  
 ALAMEDA COUNTY, CALIFORNIA



LANDS OF  
S. P. CO.

CONTRACTOR TO BE CAUTIOUS IN ROUTE GRADING ADJACENT TO EXISTING HIGH PRESSURE GAS LINE AND FIBER OPTIC LINE ON SITE. CONTACT UNDERGROUND SERVICE ALERT @ (800) 227-2600 FOR MARKING PRIOR TO DIGGING.

\*\*\*WARNING\*\*\*

EROSION CONTROL PLAN  
TRANSPORTATION CORRIDOR PARKING LOT  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

**BRACKAY & SOMPS**  
ENGINEERS



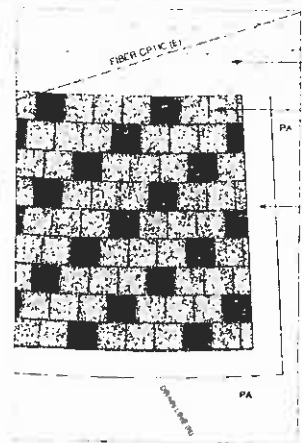
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97	12/10/19	REVISED
98	01/10/20	REVISED
99	02/10/20	REVISED
100	03/10/20	REVISED







**B**  
**L-3** TYPICAL PAVING CONDITION @  
FIRE TRUCK TURN AROUND  
1/8" = 1' - 0"

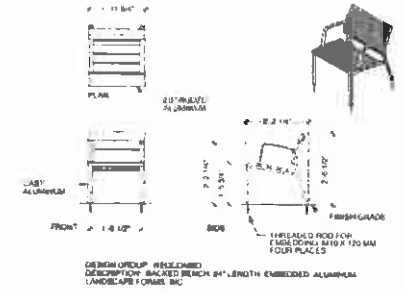


**C**  
**L-3** TYPICAL PAVING CONDITION @  
FIRE TRUCK TURN AROUND  
1/2" = 1' - 0"

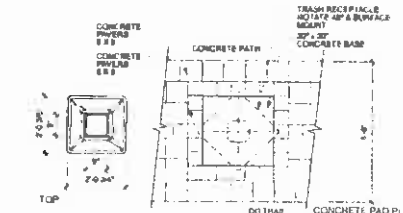
**ROLLED CURB**

CONCRETE PAVERS  
BEFORE INSTALLATION ALONG  
BACK OF ROLLED CURB PER  
DETAIL A4.3 & CIVIL DWGS  
BUT JOINTS AND MANHOLE  
CONSTANT GRADE TO DRIVEWAY  
SWEEP & VIBRATE PLASTER BAND  
INTO JOINTS PER MANUFACTURER'S  
RECOMMENDATIONS. SEE SPECS

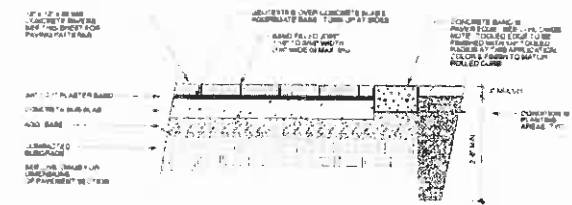
12" WIDE CONCRETE BAND  
AT EDGES



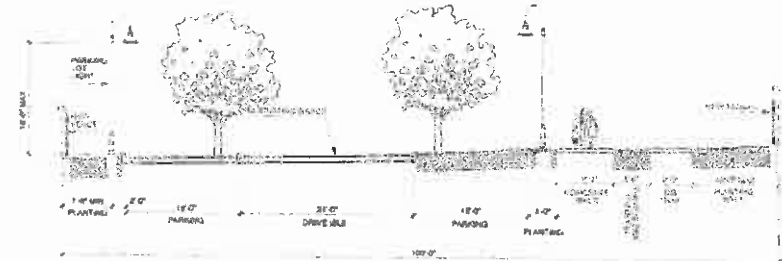
**D**  
**L-3** CHAIR BENCH DETAIL  
1/2" = 1' - 0"



**E**  
**L-3** TRASH RECEPTACLE  
1/2" = 1' - 0"



**A**  
**L-3** PAVERS ON CONCRETE SLAB @ FIRE TRUCK TURNAROUND  
3/4" = 1' - 0"



TYPICAL CROSS SECTION - LOOKING NORTHWARD  
For illustrative Purposes Only

**M. D. POTTERINGHAM**

**LANDSCAPE ARCHITECTS**

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Landscape

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E-mail: info@berlogar.com  
Geotechnical

**BROOKWATER**

IRRIGATION CONSULTANTS

Five Crow Canyon Road, Suite 209  
San Ramon, CA 94583  
925-869-0417

**TRANSPORTATION CORRIDOR**  
Phase 1  
PARKING LOT  
PLEASANTON, CA

**CITY OF PLEASANTON CALIFORNIA**

**DETAIL LAYOUT PLANS & CONSTRUCTION DETAILS**

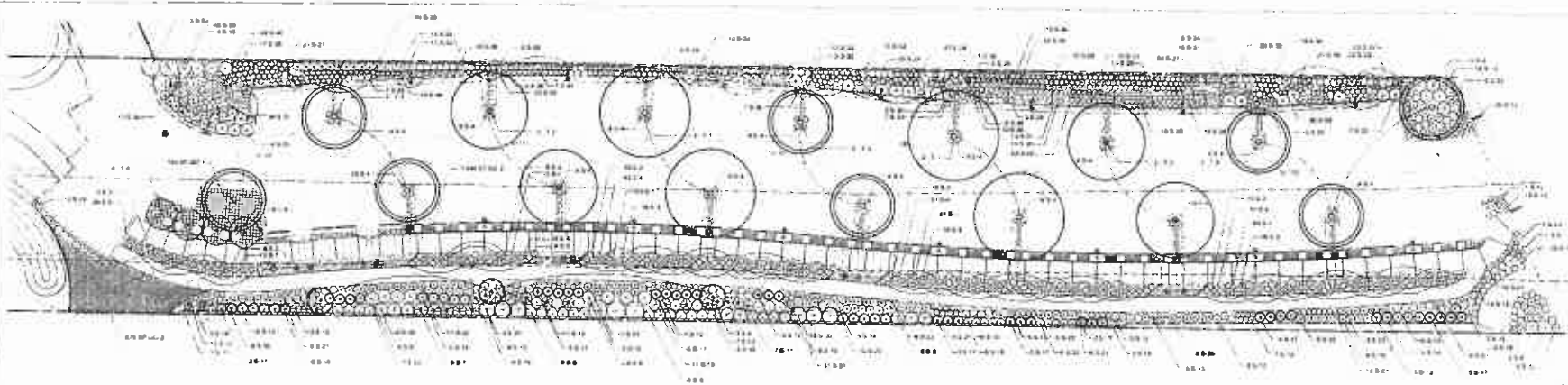
BID DOCUMENTS  
NOT FOR CONSTRUCTION

AS NOTED

Designed by: MDP  
Drawn by: SM  
Title block by: MDP  
Print shop:

Project Name:   
Date:   
Issued For:   
Project Number:   
Sheet Number:   
**L-3**

BERLOGAR GEOTECHNICAL CONSULTANTS



**PLEASANTON PARKING CORRIDOR PLANT LIST**

SYMBOL	BOTANICAL NAME	COMMON NAME	EXPOSURE	WATER DEMAND	SPACING	FLOWER or FOLIAGE COLOR	SIZE	QUANTITY
<b>PLANTING LOT TREES</b>								
T-1	<i>Ficus religiosa</i> Autumn Purple	White Ash	SW SW-NE	Medium	See Plan	Red Foliage	24" BOX	4
T-2	<i>Koeberlinia densata</i>	Chinese Flame Tree	SW	Medium	See Plan	Yellow	24" BOX	4
T-3	<i>Platanus californiensis</i> 'Athena'	Flowering Pear	SW	Medium	See Plan	White, Red Foliage	24" BOX	8
T-4	<i>Lagerströmia speciosa</i>	Cape Myrtle (Tree Form)	SW	Low	See Plan	Pink-Red	24" BOX	4
<b>PLANTS FOR TRAIL MEDIAN</b>								
S-1	<i>Camellia japonica</i> 'Dusky'	Folk Ivy	SW	Low-Medium	1' x 1'	Blue Foliage	1 GAL.	96
S-2	<i>Platanus</i> 'Creme de ment'	Overt Tabac	SW	Low-Medium	2' x 2'	Light green/white	1 GAL.	71
S-3	<i>Agave parviflora</i> 'White'	Agave plant	SW	Low	1' x 1'	White	1 GAL.	64
S-4	<i>Trichostema aureum</i>	Star Jessamine	SW	Low-Medium	2' x 2'	White	1 GAL.	348
<b>ORNAMENTALS &amp; FLOWERING SHRUBS</b>								
S-5	<i>Alyptis hirsuta</i> 'Marian'	Umb Honeysuckle	SW	Low	4' x 4'	Blue/Purple	5 GAL.	18
S-6	<i>Berberis thunbergii</i> 'Holly'	Golden Barbary	SW SW-NE	Medium	3' x 3'	Golden Foliage	5 GAL.	8
S-7	<i>Cercocarpus californicus</i> 'Elatior'	Bush Anemone	SW-NE	Low	7' x 7'	White	5 GAL.	1
S-8	<i>Chamaelirium luteum</i> 'Crown & Gold'	Flowering Clivia	SW	Low	5' x 5'	Red	5 GAL.	19
S-9	<i>Corylus avellana</i> 'Contorta'	Hairy Leather-Walking Stick	SW SW-NE	Low-Medium	10' x 10'	Yellow	5 GAL.	3
S-10	<i>Dodonaea viscosa</i> 'Purpurea'	Purple Hop Burn	SW	Low	8' x 8'	Purple Foliage	5 GAL.	3
S-11	<i>Lagerströmia indica</i> 'Marian'	Palms & Hibiscus Cape Myrtle	SW	Low	4' x 4'	Red	5 GAL.	8
S-12	<i>Lantana camara</i> 'Dorothy's Cream Grey'	French Lavender	SW	Low	3' x 3'	Deep Purple	5 GAL.	84
S-13	<i>Jasminum speciosum</i> 'Helen'	Spanish Lilac	SW	Low	2' x 2'	Orange	5 GAL.	113
S-14	<i>Jacquelineum candidum</i> 'Thunder Cloud'	Texas Sage	SW	Low	4' x 4'	Yellow	5 GAL.	20
S-15	<i>Myrica carolinensis</i> 'Compacta'	Overt Myrtle	SW-NE	Low	2' x 2'	White	5 GAL.	23
S-16	<i>Hesperis matronalis</i> 'Gold Stream'	Hesperis Bamboo	SW-NE	Low	2' x 2'	Green-Red Foliage	1 GAL.	35
S-17	<i>Phoenix tinnis</i>	Jarvisian Sage	SW	Low	4' x 4'	Yellow	5 GAL.	33
S-18	<i>Phoenix californicus</i> 'Sierrita'	Coconut Palm	SW-NE	Low	5' x 5'	Dark Olive Berries	5 GAL.	11
S-19	<i>Agave schottlandii</i> 'Dora'	White Indian Hawthorn	SW-NE	Low	4' x 4'	White	5 GAL.	18
S-20	<i>Phoradendron villosum</i> 'Pink Lady'	Indian Hawthorn	SW-NE	Low	2' x 2'	Pink	5 GAL.	8
S-21	<i>Hesperis matronalis</i> 'Blue Bell'	Overt Rosemary	SW	Low	2' x 2'	Blue	1 GAL.	64
S-22	<i>Salvia greggii</i> 'Furnace's Red'	Texas Sage	SW	Low	2' x 2'	Red	1 GAL.	44
S-23	<i>Santolina chamaecyparissus</i>	Lavender Cotton	SW	Low	2' x 2'	Yellow	1 GAL.	42
S-24	<i>Platanus</i> 'Creme de ment'	Overt Tabac	SW	Low	2' x 2'	Green/White	5 GAL.	13
<b>GRASSES &amp; SHRUBS FOR SWALE AND IDENTIFYING BUSHES</b>								
S-25	<i>Nerium oleander</i>	Shrubby Oleander	SW	Medium	8' x 8'	White	5 GAL.	18
S-26	<i>Carex diandra</i>	Carex Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	118
S-27	<i>Carex obovata</i>	Southern Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	137
S-28	<i>Carex pensilis</i>	California Meadow Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	215
S-29	<i>Carex crinita</i>	Clasped Meadow Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	108
S-30	<i>Carex subulata</i>	Rusby Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	89
S-31	<i>Carex lasiocarpa</i>	Barberry Sedge	SW-NE	Medium	2' x 2'	Blue	1 GAL.	75
S-32	<i>Carex flacca</i>	Yellow Foot California Umb.	SW-NE	Low	7' x 7'	Blue	5 GAL.	3
S-33	<i>Yucca filamentosa</i> 'Fasciata'	Yucca	SW-NE	Medium	2' x 2'	Blue	1 GAL.	77
S-34	<i>Muhlenbergia rigens</i>	Deergrass	SW-NE	Medium	4' x 4'	Blue	1 GAL.	48
S-35	<i>Nassella pulchra</i>	Purple Noddygrass	SW-NE	Medium	1' x 1'	Blue	1 GAL.	50
S-36	<i>Styriochloa setacea</i>	Blue-eyed Grass	SW-NE	Medium	2' x 2'	Blue	1 GAL.	44
<b>GROUND COVERS</b>								
GC-1	<i>Trichostema aureum</i>	Star Jessamine	SW SW-NE	Medium	1' x 1'	White	756 BF	
GC-2	Mixed Fescue No Mow (Plant by Plastic Soil to approved eqn)	Crested Red Fescue, Chewing Hard Fescue	SW-NE	Medium			5' x 2' x 4'	

KEY SW = full sun SW-NE = partial sun S-NE = sun or shade

**NOTES:**  
 1. PLANTING MIX BACKFILL SHALL BE A MINIMUM OF 30 INCHES OF FINE SANDY LOAM FROM AN APPROVED SOURCE. THIS PROJECT SHALL USE THE FOLLOWING SPECIFICATION FOR BACKFILL IN PLANTING AREAS OR AN APPROVED EQUAL: SIXTY BAND MATERIAL WITH A PERMEABILITY COEFFICIENT OF 10 TO 100 OR GREATER (MORE PERMEABLE); WITH AN AVERAGE OF NO MORE THAN 15% PASSING #200 SIEVE AND COMPACTED TO NO MORE THAN 85% RELATIVE COMPACTION.

**CONSTRUCTION NOTES:**

1. THESE NOTES ARE PROVIDED IN CONJUNCTION WITH THE CITY OF PLEASANTON STANDARD SPECIFICATIONS AND DETAILS.
2. OWNER IS THE CITY OF PLEASANTON WITH REPRESENTATION FROM THE DEPARTMENT OF PUBLIC WORKS.
3. LANDSCAPE CONTRACTOR SHALL REVIEW ALL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BIDS AND PRIOR TO COMMENCING INSTALLATION, BRING ANY DISCREPANCIES OR CONFLICTS IN FIELD CONDITIONS THAT AFFECT INSTALLATION TO THE ATTENTION OF THE OWNER.
4. LANDSCAPE CONTRACTOR SHALL NOTIFY CITY AS REQUIRED A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF PLEASANTON STANDARD SPECIFICATIONS AND DETAILS. ALL SPECIFICATIONS SHALL BE SUPPLIED BY LOCAL VENDORS AND APPROVED BY THE CITY OF PLEASANTON. ALL MATERIALS SHALL BE OF THE HIGHEST QUALITY AND SHALL BE SUBJECT TO INSPECTION BY THE CITY OF PLEASANTON.
6. LANDSCAPE CONTRACTOR SHALL SCHEDULE AND ADVISE CITY OF ALL WORK SCHEDULES PRIOR TO COMMENCING CONSTRUCTION. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
7. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED. ALL UTILITIES SHALL BE MARKED PRIOR TO CONSTRUCTION. ANY UTILITIES WHICH ARE DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED AT THE LANDSCAPE CONTRACTOR'S EXPENSE.
8. LANDSCAPE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND TO ALL ADJACENT PROPERTIES AT ALL TIMES. ALL UTILITIES SHALL BE PROTECTED AND SHALL NOT BE DAMAGED OR DISRUPTED.
9. ALL MATERIALS SHALL BE STORED ON SITE IN A MANNER THAT DOES NOT OBSTRUCT TRAFFIC OR CAUSE CONVENIENCE TO THE PUBLIC. ALL MATERIALS SHALL BE PROTECTED FROM WEATHER AND SHALL NOT BE DAMAGED.
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**PLANTING NOTES:**  
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 San Ramon, CA 94583  
 925-855-0417

**TRANSPORTATION**  
**CORRIDOR**  
**Phase 1**  
**PARKING LOT**  
 PLEASANTON, CA

**CITY OF PLEASANTON**  
 CALIFORNIA

**PLANTING PLAN**

**BID DOCUMENTS**  
**NOT FOR CONSTRUCTION**

Scale: AS NOTED

Drawn by: MDP

Checked by: MDP

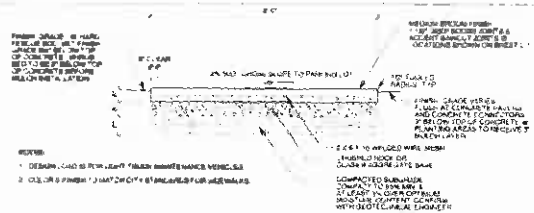
Reviewed by: MDP

Project No: 2024-001

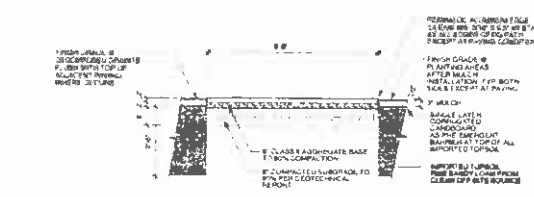
Sheet No: 10 of 10

Scale: 1" = 20'

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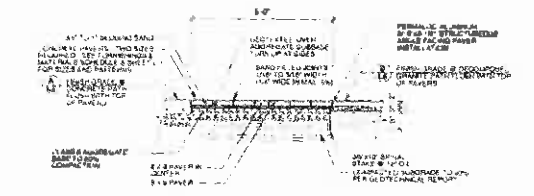
**A** 6' CONCRETE BIKE AND WALKING PATH  
1/2" x 1-0"  
TYPE 1 CONCRETE



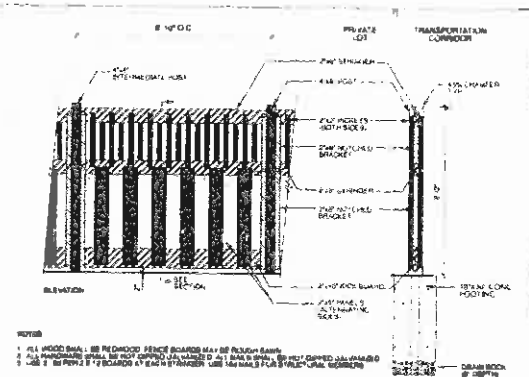
**B** 6' DECOMPOSED GRANITE MULTI-USE PATH  
1/2" x 1-0"



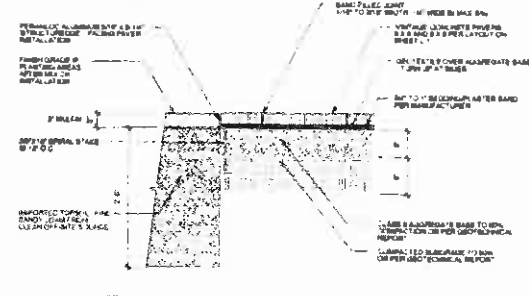
**C** 3x3 CONCRETE PAD  
1/2" x 1-0"



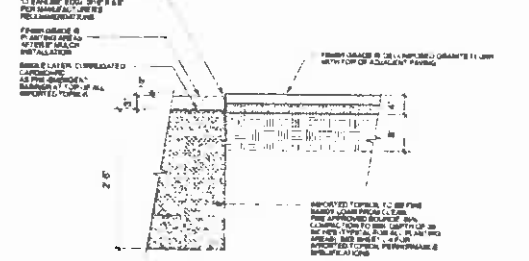
**E** ACCENT PAVERS DETAIL  
OF CONCRETE PATH & DECOMPOSED GRANITE MULTI-USE TRAIL  
1/2" x 1-0"



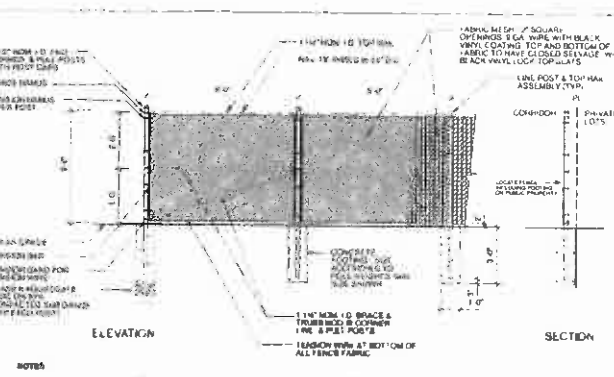
**D** WOOD FENCE - BID ALTERNATE 'A'  
1/2" x 1-0"



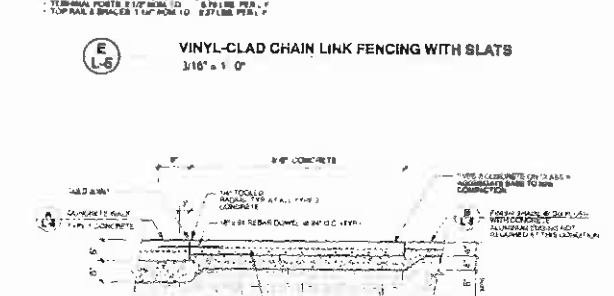
**G** ALUMINUM EDGE AT PAVERS & PLANTED AREA  
1/2" x 1-0"



**H** ALUMINUM EDGE @ PLANTED AREA AND DECOMPOSED GRANITE  
1/2" x 1-0"



**E** VINYL-CLAD CHAIN LINK FENCING WITH SLATS  
3/16" x 1-0"

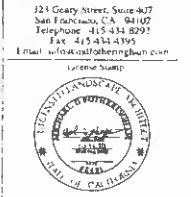


**I** COLORED CONCRETE CONNECTOR @ DRINKING FOUNTAIN  
3/4" x 1-0"

**FURNISHINGS & MATERIALS SCHEDULE**

Description	Manufacturer	Contact Info	Model Number	Size	Quantity	Color / Finish
1/2\"/>						

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**TRANSPORTATION CORRIDOR  
Phase 1  
PARKING LOT  
PLEASANTON CA**

**CITY OF PLEASANTON  
CALIFORNIA**

**CONSTRUCTION  
DETAILS**

BID DOCUMENTS  
NOT FOR CONSTRUCTION

AS NOTED

Designed by: **MDF**

Drawn by: **SH**

Checked by: **MDF**

Reviewed:

Plot Setup:  
 Plot Name: **01.dwg**  
 Plot Scale: **1/8"=1'-0"**  
 Date: **11/15/2011 10:00:00 AM**  
 Plotted For: **01.dwg**  
 Project Number:  
 Sheet Number:  
**15**

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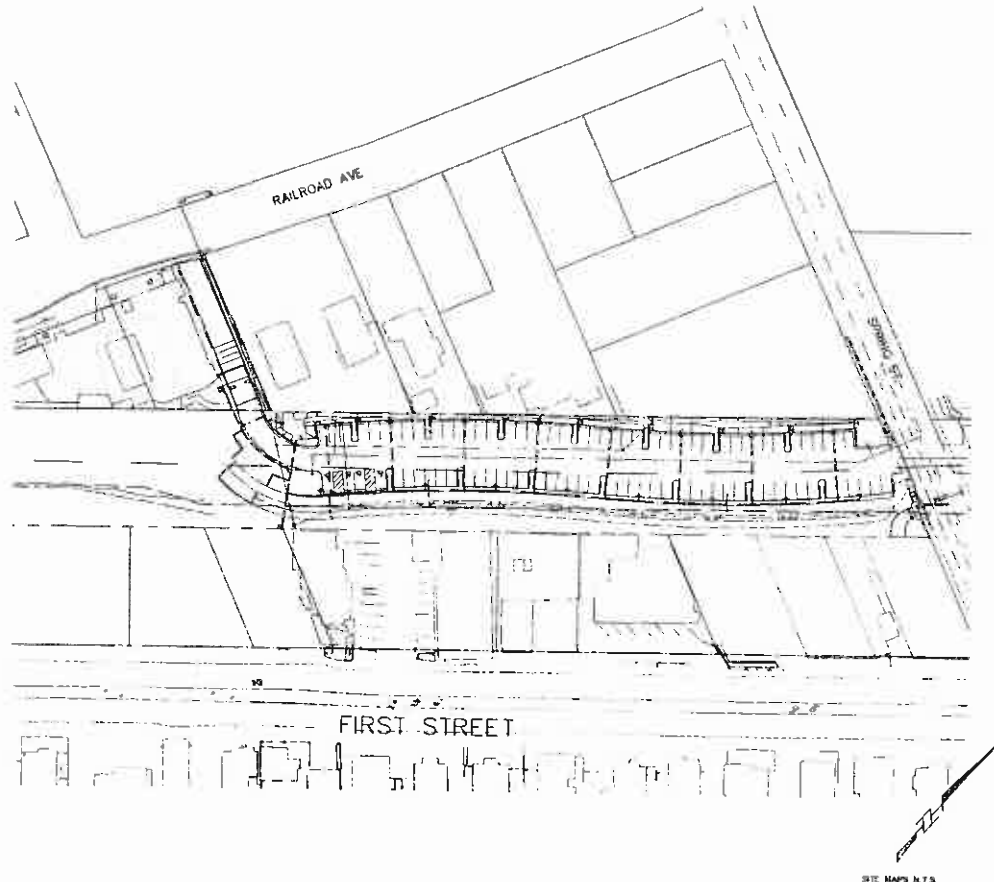


**GENERAL NOTES**

1. THESE PLANS USE STANDARD UTILITIES PLANS & ELECTRIC FILES ACCORDING TO: \_\_\_\_\_ REVISION \_\_\_\_\_
2. PLANS AND OTHER SPECIFICATIONS SHALL BE CONSIDERED TO BE COMPLIANT TO EACH OTHER, ANYTHING SHOWN ON THE PLANS SHALL BE OF LIKE EFFECT AS IF SHOWN ON OR INDICATED BY BOTH, IF UNCORRECTED AND FURTHER, NOTIFY SURVEYOR DESIGN PRIOR TO COMMENCING WORK.
3. IN THE EVENT OF ANY DISCREPANCIES OR CONFLICTS OVER THE INSTALLATION ORDERS OR PLANS, THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING AGENCY OR THEIR INSPECTORS SHALL TAKE PRECEDENCE.
4. THE CONTRACTOR SHALL PERFORM ALL TRENCHING, EXCAVATION, BACKFILLING AND ALL OTHER WORK AS SHOWN OR NOTED ON THE PLANS AND BID DOCUMENTS.
5. THE TRENCH AND CONDUIT LAYOUTS ARE SHOWN SCHEMATICALLY. THE CONTRACTOR SHALL INSTALL ALL UTILITY YARDS, PANS, CONDUIT, ETC. IN PROPER RELATION TO FINAL GRADE. VERIFY ALL SUBSTRUCTURE ELEVATIONS INDICATED HEREON.
6. THE QUANTITIES SHOWN ON THESE PLANS ARE ONLY AN ESTIMATE. OF WHAT WILL ACTUALLY BE NEEDED TO COMPLETE THE JOINT TRENCH CONSTRUCTION. FINAL QUANTITIES MAY VARY ACCORDING TO ADDITIONAL TO CHANGES, OMISSIONS OR DELETIONS FROM THE ORIGINAL PLANS.
7. ALL JOINT TRENCH CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD PRACTICES AND SPECIFICATIONS OF EACH PARTICIPATING UTILITY COMPANY AND CONFORM TO THE CURRENTLY ADOPTED EDITIONS OF THE STANDARD PLANS AND SPECIFICATIONS OF THE CITY OF DEBARY INVOLVED.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONSTRUCTION SAFETY STATUTES OF THE REGION OF FEDERAL SAFETY OF THE STATE OF CALIFORNIA AND WITH OSHA REGULATIONS.
9. ALL WORK IS SUBJECT TO THE INSPECTION AND SATISFACTION OF EACH PARTICIPATING UTILITY AND CITY OR COUNTY INSPECTOR. THE CONTRACTOR SHALL PROVIDE AT LEAST 2 WORKING DAY NOTICE FOR THE INSPECTIONS.
10. THE PARTICIPATING UTILITY COMPANIES, LOCAL ENGINEER, AND/OR CITY/COUNTY SHALL APPROVE THE SCHEDULE, MATERIALS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT LOCAL AGENCIES FOR CONSTRUCTION IN WRITER.
11. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCING THE WORK.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL INSTALLATIONS INSPECTED PRIOR TO ANY BACKFILLING. BACKFILLING SHALL NOT BE PERMITTED UNLESS THE INSPECTOR IS PRESENT OR PRIOR CONSENT HAS BEEN RECEIVED FROM THE INSPECTOR.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CONSTRUCTION WITH ALL PARTICIPATING UTILITY AGENCIES AND OBTAIN AT LEAST A WORKING DAYS NOTICE FOR INSTALLATION OF FACILITIES.
14. THE NOTION OF ALL TRENCHES SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACE MATERIAL. A SAND BEDDING OF AT LEAST 4 INCHES THICK SHALL BE PROVIDED ON WHICH THE UTILITIES WILL BE PLACED (MAY NOT BE REQUIRED IN NATIVE SAND AREAS).
15. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION PROVIDED TO SURVEYOR ON THE DATE OF PLAN PREPARATION. THEIR LOCATIONS HAVE NOT BEEN FIELD VERIFIED AND NO GUARANTEE IS MADE TO THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PRECISE LOCATIONS OF ALL UNDERGROUND FACILITIES PRIOR TO COMMENCING WORK. IF THE CONTRACTOR IS IN CONTACT WITH UNDERGROUND SERVICE AGENCY (E.G. 800 360 0000) AT LEAST 2 WORKING DAYS PRIOR TO STARTING CONSTRUCTION.
16. THE CONTRACTOR SHALL NOTIFY SURVEYOR DESIGN OF ANY DIFFERENCES IN THE SHOW OF EXISTING UTILITIES FROM THE USE OF RECORDS OR ANY OTHER CONTACTS WITH THE UTILITY PRIOR TO COMMENCING WORK IN ANY AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FIELD CHANGES MADE WITH WITHOUT PREVIOUS WRITTEN SURVEYOR DESIGN.
17. TRENCHING AND OR SUBSTRUCTURE EXCAVATION MAY TAKE PLACE OVER UNDER OR ADJACENT TO OTHER UNDERGROUND FACILITIES (GAS, WATER, POWER, ETC.) THE CONTRACTOR IS RESPONSIBLE TO LOCATE, EXPOSE, AND PROTECT IN PLACE ALL EXISTING FACILITIES. THE WORK SHALL NOT BE CONSIDERED AS EXTRA WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL APPROVED AND GRADING PLANS IN CONFORMANCE WITH THESE PLANS AND BID AND WORK ACCORDINGLY.
18. SURVEYOR DESIGN ASSUMES NO RESPONSIBILITY FOR ANY DIFFERENCES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PRIOR TO SUBMITTING HIS BID.
19. THE CONTRACTOR SHALL COORDINATE ALL TO BE WITH EXISTING UTILITIES AND PROPOSED FACILITIES AS INDICATED BY THE SURVEYOR DESIGN. ALL EXISTING CONDUIT TO BE USED SHALL BE MARKED, TESTED AND PROVIDED PROOF TO CONSTRUCTION UTILITY COMPANIES SHALL AVOID ALL "HOT TAP" WORK. THE CONTRACTOR SHALL NOT WORK ON ANY PROPOSED FACILITIES UNLESS DIRECTED BY THE UTILITY COMPANY.
20. THE CONTRACTOR IS ASSUMED TO OBTAIN "NO TOLL" AT ALL "NO TOLL" LOCATIONS AS REQUIRED BY THE UTILITY COMPANY.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NEAREST EXISTING PROPERTY IMPROVEMENTS AND POINTS OF ACCESS (PA) ALL THRU DURING THE CONSTRUCTION OPERATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ALL DAMAGE AND LANDSCAPE WORK REQUIRED OR DAMAGED AS A RESULT OF ITS OPERATIONS UNLESS SHOWN OR NOTED OTHERWISE.
22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE ALL CONSTRUCTION STATIONS AND BE - STAKING REQUIRED DUE TO THE FIELD REVISIONS. THE CONTRACTOR SHALL BE STAKED AND PAID BY THE CONTRACTOR.
23. THE SURVEYOR DESIGN SHALL CONTRACTOR SHALL NOTIFY SURVEYOR DESIGN TO REVISIONS TO BE MADE WITH ALL REVISIONS TO BE MADE PRIOR TO THE START OF THE WORK. WHICH SHOULD TAKE PLACE AT LEAST 5 WORKING DAYS PRIOR TO CONSTRUCTION.
24. ALL CONDUITS MUST BE SAVED, TESTED AND PROVED CONDUIT SHALL BE TESTED FOR LEAKS TO BE PROVED. ALL CONDUITS MUST BE FULLY COVERED AND MARKED AS REQUIRED BY THE UTILITY COMPANIES. ALL CONDUITS, ETC. PLACED AS REQUIRED BY UTILITY COMPANIES.
25. A 3 FOOT LEVEL BENCHING AREA MUST BE MAINTAINED AROUND ALL EXISTING PROBLEMS. THE CONTRACTOR SHALL MAINTAIN A 3 FOOT BENCHING LEVEL BENCHING AREA ON THE EXISTING BENCH AND A 3 FOOT ON THE NEW BENCH AND SHALL MAINTAIN CLEARANCE DOORS SHALL MAINTAIN AN 8 FOOT CLEAR AREA IN FRONT OF CLEARANCE DOORS. REFER TO PLANS UNDER "NOTED" STANDARD BENCHING WIDTHS FOR CLEARANCE & PROTECTION REQUIREMENTS.
26. THE NEAREST UTILITY AGENCY WILL DETERMINE & RETURNING SHALL BE MET TO MEET MINIMUM CLEARANCE REQUIREMENTS. REFER TO PLANS UNDER "NOTED" STANDARD BENCHING WIDTHS FOR CLEARANCE DOORS. RETURNING SHALL BE MAINTAINED. RETURNING SHALL BE MET TO MEET MINIMUM CLEARANCE REQUIREMENTS. REFER TO PLANS UNDER "NOTED" STANDARD BENCHING WIDTHS FOR CLEARANCE & PROTECTION REQUIREMENTS.
27. THE CONTRACTOR SHALL NOTIFY THE CITY OF DEBARY PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF DEBARY PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF DEBARY PRIOR TO STARTING CONSTRUCTION.

**JOINT TRENCH IMPROVEMENT PLAN  
PLEASANTON TRANSPORTATION CORRIDOR  
PARKING LOT LIGHTING AND IRRIGATION**

**MACKAY & SOMPS  
PLEASANTON CALIFORNIA**



SITE MAPS N.T.S.



**CONSTRUCTION & LABOR SUMMARY**

ITEM	QUANTITY	UNIT	PRICE	TOTAL
1. EXCAVATION	100	CY	10.00	1000.00
2. BACKFILL	100	CY	10.00	1000.00
3. TRENCHING	100	LF	10.00	1000.00
4. CONDUIT	100	LF	10.00	1000.00
5. LIGHT FIXTURES	100	EA	10.00	1000.00
6. IRRIGATION	100	EA	10.00	1000.00
7. LABOR	100	HR	10.00	1000.00
8. MATERIALS	100	EA	10.00	1000.00
9. PERMITS	100	EA	10.00	1000.00
10. INSPECTIONS	100	EA	10.00	1000.00
11. TRAVEL	100	EA	10.00	1000.00
12. UTILITIES	100	EA	10.00	1000.00
13. STAKING	100	EA	10.00	1000.00
14. SURVEYING	100	EA	10.00	1000.00
15. TOTAL				10000.00

**PLAN SET INDEX**

SHEET NO.	PLAN SHEET DESCRIPTION
1	TITLE
2	DETAIL
3	CON/NOTE
4	ELECTRIC RELOCATION
5	ELECTRIC/STREET LIGHT PLAN

**PROJECT REPRESENTATIVES**

ELECTRIC	DOBBIE WYNN - PG&E
GAS	N/A
TELEPHONE	N/A
CABLE-TV	LEE GOUNDA - COMCAST
DEVELOPER	MACKAY & SOMPS
CIVIL ENG.	MACKAY & SOMPS
CITY	NAME
SURVEYOR DESIGN	ANNE HATHAWAY

**UTILITY CO. JOB NUMBERS**

GAS DEPT JOB NO.	GAS FILE N/A
ELECTRICAL DEPT JOB NO.	ELECTRICAL FILE N/A
TELEPHONE JOB NO.	TELEPHONE FILE N/A
CABLE TV JOB NO.	CABLE JOB #

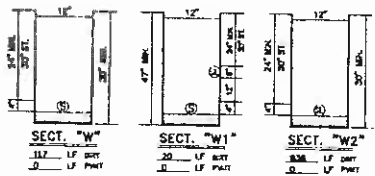
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
 SUNSHINE DESIGN LLC  
 AN IRVING CO.  
 10000 WILSON BLVD.  
 SUITE 100  
 IRVING, TX 75039  
 (972) 251-1000  
 WWW.SUNSHINEDESIGN.COM

**JOINT TRENCH IMPROVEMENT PLAN  
LOT LIGHTING AND IRRIGATION  
MACKAY & SOMPS  
PLEASANTON CALIFORNIA**

DESIGNED: AMY  
 ORDERED: SA  
 DATE: 8/18/09  
 SHEET NO: 300-105-10  
 SHEET NO: 1

APPLICABLE TO: II. STANDARDS, STANDARD PRACTICES AND DRAWINGS

1. **TRENCH**  
SEE TRENCH TO STANDARD SPECIFICATIONS FOR TRENCHING BY A.P.U.C.M. GAS OPERATOR (101-14)
2. **CONDUIT**  
UNDERGROUND CONDUIT, SEE SPEC. 04010
3. **ENCLOSURES**  
SEE SPEC. 04010 FOR ELECTRICAL ENCLOSURES AND SPEC. 04020 FOR ELECTRICAL ENCLOSURE ENCLOSURES SEE SPEC. 04020
4. **WELLS**  
WELLS FOR UNDERGROUND DISTRIBUTION, SEE SPEC. 04020
5. **SPACES AND CLEARANCES**  
SEE SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES
6. **ELECTRIC SERVICES**  
SEE SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES
7. **WELLS**  
SEE SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES
8. **WELLS**  
SEE SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES AND SPEC. 04020 FOR MINIMUM CLEARANCES

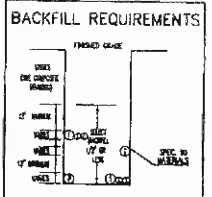


- NOTES**
1. Trench sections are shown schematically and do not indicate order of occupancy. They do not reflect size or quantity of material to be installed.
  2. Trench sections are shown schematically and do not indicate order of occupancy. They do not reflect size or quantity of material to be installed.
  3. The contractor shall verify trench location for accuracy prior to excavation and take necessary precautions to ensure safety and avoid damage.
  4. The contractor shall refer to the company manual, and/or each respective utility installation plan for the necessary conduit codes and/or pipe to be installed in this project.
  5. The trench shall be installed after curb and gutter installation. Contractor shall coordinate additional work as necessary to complete the trench in the existing utility with the contractor, all agencies and the utility companies. The cost of these materials shall be included in the contractor's unit price for trenching.
  6. The average trench depth shown are based on the minimum utility company requirements for depth and separation. Contractor shall adjust trench width & depth as required to adequately accommodate underground facilities & maintain minimum safety clearance. (see min. cover & clearance table).
  7. For all utilities, verify & coordinate between gas facilities and electric facilities may be required to 8" from trench. Also, when excavation shall be maintained from gas facilities through, when 4" diameter or smaller gas pipe is buried, with mutual agreement with the appropriate gas utility.
  8. Contractor shall use sand bedding and shoring as required by the utility companies at trench sections when trench width is 4 feet or greater bedding layer.

**MINIMUM COVER AND CLEARANCE**

ITEM	1'	2'	3'	4'	5'	6'	7'	8'
1. GAS (EXCEPT FOR PIPE)	18"	24"	30"	36"	42"	48"	54"	60"
2. PIPE (EXCEPT FOR PIPE)	18"	24"	30"	36"	42"	48"	54"	60"
3. FIBRE OPTIC (EXCEPT FOR PIPE)	18"	24"	30"	36"	42"	48"	54"	60"
4. CABLE	18"	24"	30"	36"	42"	48"	54"	60"
5. TRENCH (SEE SPEC. 04020)	18"	24"	30"	36"	42"	48"	54"	60"
6. TRENCH (SEE SPEC. 04020)	18"	24"	30"	36"	42"	48"	54"	60"
7. TRENCH (SEE SPEC. 04020)	18"	24"	30"	36"	42"	48"	54"	60"
8. TRENCH (SEE SPEC. 04020)	18"	24"	30"	36"	42"	48"	54"	60"
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10. TRENCH (SEE SPEC. 04020)	18"	24"	30"	36"	42"	48"	54"	60"

MIN. COVER BASED ON TRENCH WIDTH, TRENCH DEPTH, AND TYPE OF MATERIAL. COVER MUST BE MAINTAINED BY UTILITY &/OR HOMEOWNER.  
MIN. TRENCH WIDTHS: SEE SPEC. 04020 TABLE 2 FOR CLEARANCE AND OCCUPANCY REQUIREMENTS.



**SUBSTRUCTURE VERIFICATION STAMP**

**CONTRACTOR**  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_  
**DATE:** \_\_\_\_\_

**JOINT TRENCH OCCUPANCY GUIDE**

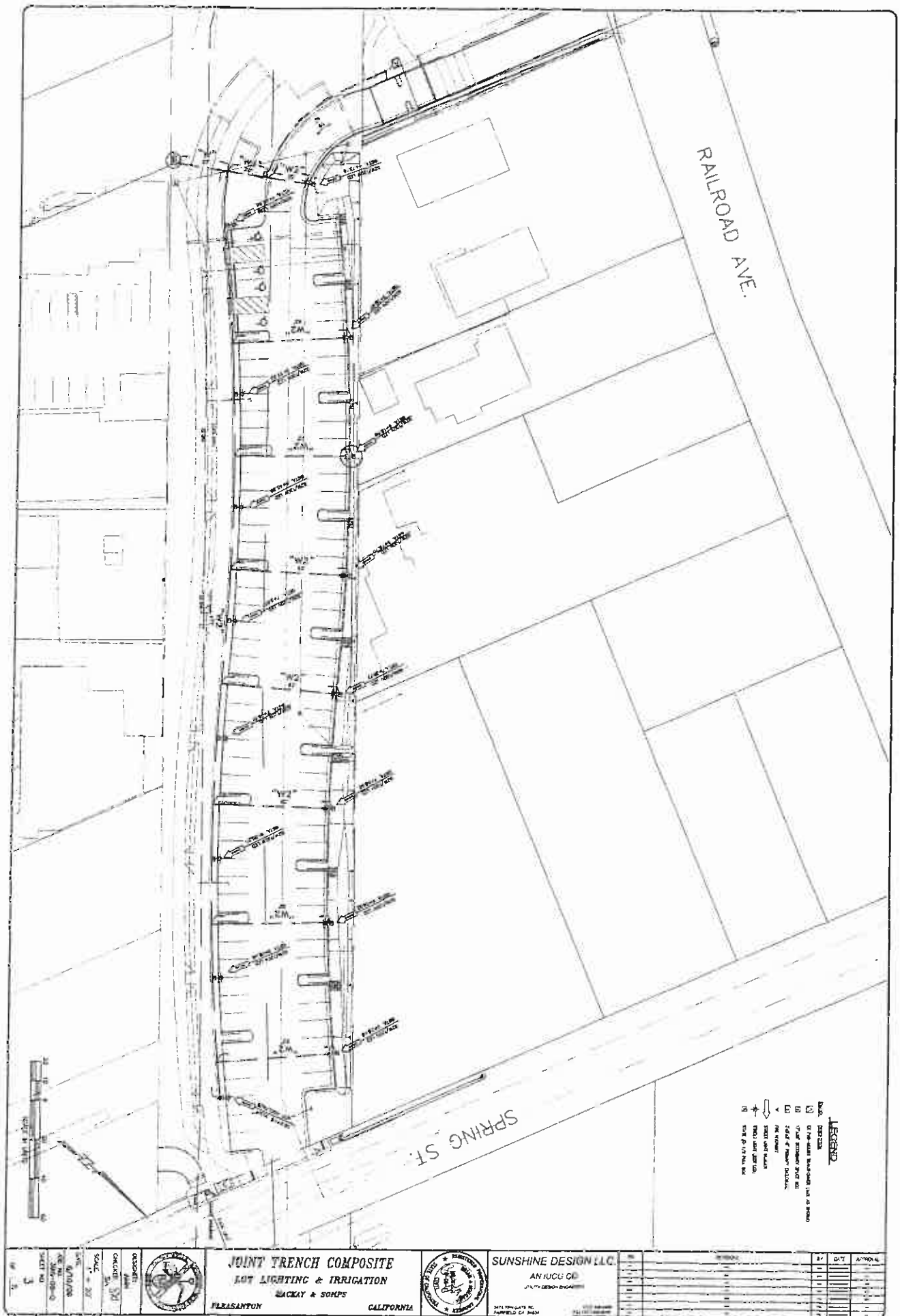
TRENCH SECTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1. GAS (EXCEPT FOR PIPE)																							
2. PIPE (EXCEPT FOR PIPE)																							
3. FIBRE OPTIC (EXCEPT FOR PIPE)																							
4. CABLE																							
5. TRENCH (SEE SPEC. 04020)																							
6. TRENCH (SEE SPEC. 04020)																							
7. TRENCH (SEE SPEC. 04020)																							
8. TRENCH (SEE SPEC. 04020)																							
9. TRENCH (SEE SPEC. 04020)																							
10. TRENCH (SEE SPEC. 04020)																							

SEE SPEC. 04020 FOR OCCUPANCY REQUIREMENTS AND NOTES.

**SUNSHINE DESIGN LLC**  
AN HDCC CO.  
11111 BIRCHWOOD DRIVE  
COLUMBIANA, OH 43081  
PHONE: 614.885.1111  
WWW.SUNSHINEDESIGN.COM

**DETAIL SHEET**  
LOT LIGHTING & IRRIGATION  
MIDWAY & 90TH  
PLEASANTON, CALIFORNIA

**DATE:** 11/11/11  
**BY:** [Signature]  
**CHECKED:** [Signature]  
**IN CHARGE:** [Signature]  
**SCALE:** AS SHOWN  
**DATE:** 11/11/11  
**PROJECT NO.:** 11111-B-11  
**SHEET NO.:** 2  
**TOTAL SHEETS:** 3



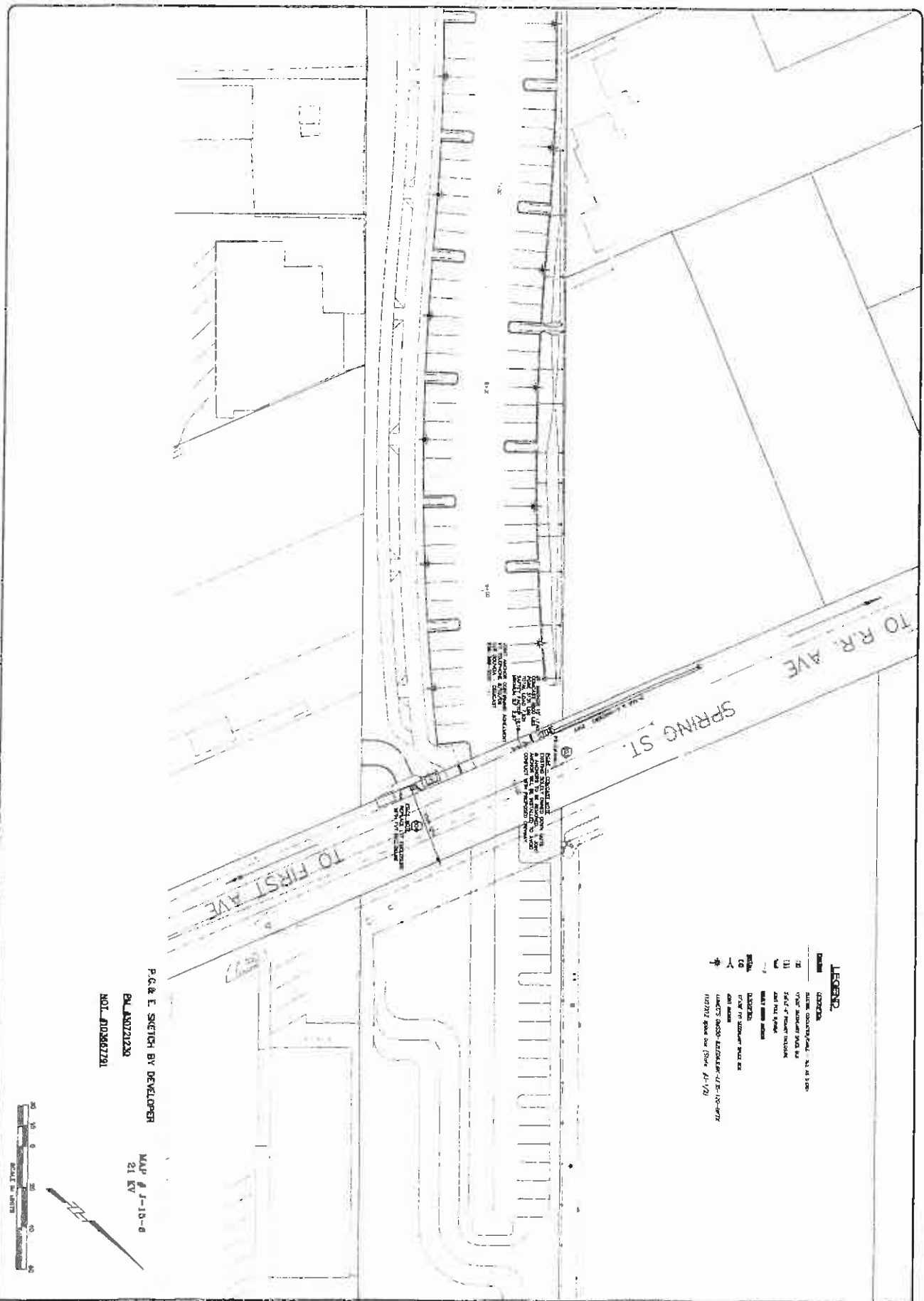
**LEGEND**

- 1. 10' MIN. CLEARANCE LINE AS SHOWN
- 2. 12" MIN. CLEARANCE LINE AS SHOWN
- 3. 18" MIN. CLEARANCE LINE AS SHOWN
- 4. 24" MIN. CLEARANCE LINE AS SHOWN
- 5. 30" MIN. CLEARANCE LINE AS SHOWN
- 6. 36" MIN. CLEARANCE LINE AS SHOWN
- 7. 42" MIN. CLEARANCE LINE AS SHOWN
- 8. 48" MIN. CLEARANCE LINE AS SHOWN
- 9. 54" MIN. CLEARANCE LINE AS SHOWN
- 10. 60" MIN. CLEARANCE LINE AS SHOWN



DATE: 01/15/2014 DRAWN BY: J. B. BERRY CHECKED BY: J. B. BERRY SCALE: AS SHOWN PROJECT: 14-001 SHEET: 1 OF 2		<b>JOINT TRENCH COMPOSITE</b> <b>LOT LIGHTING &amp; IRRIGATION</b> BACKAY & SORPS FOLSOM, CALIFORNIA		<b>SUNSHINE DESIGN LLC</b> AN LLC OF CALIFORNIA 2475 TRENCH RD. FOLSOM, CA 95630	NO.	DATE	BY	REVISION

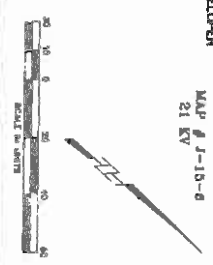
**BERLOGAR GEOTECHNICAL CONSULTANTS**



P.C. & E. SKETCH BY DEVELOPER  
 P.L. A0721230  
 M.O.I. 00262791

MAP # J-10-0  
 21 KV

- LEGEND**
- 1. METER BOX
  - 2. TRANSFORMER BOX
  - 3. CONDUIT
  - 4. 2" PVC CONDUIT
  - 5. 4" PVC CONDUIT
  - 6. 6" PVC CONDUIT
  - 7. 8" PVC CONDUIT
  - 8. 10" PVC CONDUIT
  - 9. 12" PVC CONDUIT
  - 10. 14" PVC CONDUIT
  - 11. 16" PVC CONDUIT
  - 12. 18" PVC CONDUIT
  - 13. 20" PVC CONDUIT
  - 14. 24" PVC CONDUIT
  - 15. 30" PVC CONDUIT
  - 16. 36" PVC CONDUIT
  - 17. 42" PVC CONDUIT
  - 18. 48" PVC CONDUIT
  - 19. 54" PVC CONDUIT
  - 20. 60" PVC CONDUIT



	<p><b>ELECTRIC RELOCATION</b>  <b>LOT LIGHTING AND IRRIGATION</b>          SACRED &amp; SOMPS          PLEASANTON CALIFORNIA</p>		<p><b>SUNSHINE DESIGN LLC</b>          AN LLC OF          CALIFORNIA</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> <th>APPROVAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>REVISED PER NECA ELECTRICAL PLAN CHECK</td> <td>04-1-2012</td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION	DATE	APPROVAL	1	REVISED PER NECA ELECTRICAL PLAN CHECK	04-1-2012													
NO.	REVISION	DATE	APPROVAL																					
1	REVISED PER NECA ELECTRICAL PLAN CHECK	04-1-2012																						

RAILROAD AVE.

SPRING ST.

**GENERAL STREET LIGHT NOTES**

1. All Street light wiring shall be in metal conduit with AWG 12ga 90c or 90w unless otherwise noted and as noted on plans. All wiring shall have the pull shall be 600 not 750 minimum.
2. All wire sizes are those that are standard. All wire shall be approved by the engineer and in accordance with the applicable code.
3. All work and materials shall be in full accordance with the latest rules and regulations of the State Fire Marshal, Bureau and all applicable city, county and state regulations and with local utility company regulations. N.E.C. and the latest approved standards of I.L.L.C., A.S.A., N.E.C.A., I.C. and other codes applicable. Nothing in these codes or specifications is to be construed to permit work not conforming to the above. All work shall conform to the latest code of California P.E.C. 91.01.01 shall apply.
4. Materials furnished under this section of these specifications for each 12' standard have been standardized shall be listed and bear the name of International Laboratories, Inc.
5. Where requirements of applicable codes and standards conflict with the drawings or these specifications, the more stringent requirement shall govern.
6. The manufacturer's warranties and guarantees furnished as materials used in the work on this contract shall be maintained in the work on this contract. The direction of the contractor's warranty shall be the standard of the industry with a minimum of one year from acceptance of the work.
7. Grounding and bonding shall properly demonstrate all standard parts of the system.

4. All connections shall be secured with lock nuts and washers.
5. Contractor shall install local disconnects for their own ground requirements. If ground wire is required in conduit, install accordingly.
10. Contractor shall install the underground straight service from the Authority to the P.C.E. service point and terminate conduit at view of secondary box as directed by P.C.E.
11. No splices shall be permitted between splice boxes, and of those which boxes shall be noted on plan.
12. One 60 A.C. Half Size "Twin" knee (or approved equal) shall be provided in each run or connector cable. If the design is such that no knee will be involved, the knee shall be located in the connector.
13. The contractor shall be responsible for installing a complete operating system.
14. The contractor shall be responsible for entering an identification number in each pole by a method approved by the inspection agency.
15. Each street light shall be controlled by a photo electric cell mounted on top of each lamppost or the top of each pole depending upon the manufacturer's recommendations or controlled by other means as shown on the drawings.
16. Foundation installed structures shall be provided by obtaining the data on the ground logs before the foundation is placed. Some of other similar changes for piling or raking will not be permitted after obtaining the standard. Other data shall be 1/4" 1/8" above the pole and the required artifacts shall be required as indicated by the inspecting agency.

**NOTES**

- 1) THIS IS AN APPLICANT DESIGN AND INSTALL PROJECT. APPLICANT SHALL DESIGN, ORDER & INSTALL ALL SUBSTRUCTURES INCLUDING ELECTRIC DISTRIBUTION & SERVICE FACILITIES. APPLICANT CONTRACTOR WILL PERFORM ALL THE REQUIRED DESIGN, INSTALLATION AND MATERIAL INCLUDING POSE ITEMS REQUIRED TO MAKE READY FOR P.C.E. THE "NOT". (ALL) APPLICANT INSTALLED FACILITY TAGS ARE REQUIRED AT ALL PULL AND CONNECTION POINTS. THESE TAGS SHALL BE DATED AND DATED ON THE DATE OF INSTALLATION.
- 2) P.C.E. SHALL INSPECT ALL WORK PERFORMED BY APPLICANT AND PERFORM ALL NOT BE-NOT TO EXISTING FACILITIES AS REQUIRED.
- 3) ALL SPICES SHALL BE 1/2" 1/2" DUCT. ALL CABLE LENGTHS MEASURED IN TRENCH FEET.
- 4) STAYING WALLS DESIGNATED TO BE P.C.E. RESPONSIBILITY ARE THE APPLICANT'S RESPONSIBILITY.
- 5) ALL PRIMARY CONDUITS SHALL HAVE A MINIMUM 3/4" COVER.
- 6) ALL PRIMARY CONDUITS SHALL ENTER ENCLOSURES PERPENDICULAR TO END WALLS (UNLESS NOTED OTHERWISE).
- 7) ALL HORIZONTAL 1" 1/2" & 2" PRIMARY CONDUIT ENDS SHALL HAVE A MINIMUM 3" T-BLOCKS. ALL HORIZONTAL 1" & 2" PRIMARY CONDUIT ENDS SHALL HAVE A MINIMUM 1" T-BLOCKS.
- 8) ALL SECONDARY & SERVICE CONDUITS SHALL ENTER SECONDARY BOXES WITH PROTECTORS FROM THE BOTTOM UTILIZING 1" BLOKS & 1/4" BLOKS.
- 9) UTILIZE NATURAL BENDS IN WHEWER POSSIBLE.
- 10) DO NOT EXCEED 3/8" DECREASE IN CONDUIT SIZES IN ANY SINGLE RUN.
- 11) P.C.E. SHALL DO ALL WORK AT 200 TO 800 SERIES LOCATIONS.
- 12) APPLICANT SHALL OBTAIN ALL NECESSARY PERMITS.
- 13) APPLICANT SHALL OBTAIN ALL NECESSARY EASEMENTS TO P.C.E. AT NO ADDITIONAL COST.
- 14) CALL U.S.A. AT 1-800-277-2900 AT LEAST 48 HOURS PRIOR TO DIGGING.
- 15) BEFORE BEGINNING WORK, PLEASE CALL P.C.E. UNDERGROUND INSPECTOR 24 HOURS IN ADVANCE. WORK NOT PROPERLY INSPECTED WILL BE REJECTED.

**ELEC. NOTES**

- 1) TRANSFORMER SHALL BE INSTALLED PER P.C.E. ONE PHASE 200V 7-4 PHASE 200V. IN THESE PHASES INSTALLATION TO INCLUDE SPACERS, INSTALL PULL ON A FLAT AND LEVEL SURFACE. MAINTAIN AT LEAST 4" OF PULL LINES AND CLEAR OF OBSTRUCTIONS. MAINTAIN OTHER REQUIREMENTS AS REQUIRED PER P.C.E. 1-4. ONE CENTER SHIT 1-4.
- 2) SERVICE POINTS TO BE INSTALLED PER P.C.E. ONE CENTER SHIT 1-4.
- 3) SERVICE POINTS TO BE INSTALLED PER P.C.E. ONE CENTER SHIT 1-4.
- 4) SECONDARY SERVICE POINTS TO BE INSTALLED PER P.C.E. ONE CENTER SHIT 1-4.
- 5) SECONDARY SERVICE POINTS TO BE INSTALLED PER P.C.E. ONE CENTER SHIT 1-4.
- 6) UNDESIGNED CONDUITS TO BE INSTALLED PER P.C.E. ONE CENTER SHIT 1-4. ALL CONDUITS TO BE INSTALLED ON ALL CONDUITS THAT ARE TERMINATED IN A SECONDARY SERVICE BOX. TEMPORARY CABLES TO BE INSTALLED ON ALL CONDUITS.

SEE "ELECTRIC AND GAS SERVICE REQUIREMENTS" (P.11) FOR OTHER NOTES.

P.C. & E. SKETCH BY DEVELOPER

MAP # J-15-8  
21 KV

PM #3022104

NOT #103867291



**COORDINATE**

DATE	1/15/2008
BY	J.E.
CHKD	J.E.
REV	1
DATE	1/15/2008
BY	J.E.
CHKD	J.E.
REV	1
DATE	1/15/2008
BY	J.E.
CHKD	J.E.
REV	1
DATE	1/15/2008
BY	J.E.
CHKD	J.E.
REV	1



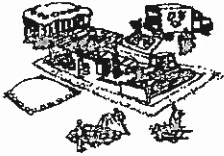
**LEGEND**

SIGNAL	DESCRIPTION
(Symbol: Solid line)	CONCRETE FOUNDATION
(Symbol: Dashed line)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Dotted line)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with dots)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with dashes)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with circles)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with squares)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with triangles)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with diamonds)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with crosses)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with asterisks)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with pluses)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with minuses)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with equals)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with percent)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with hash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with ampersand)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with at)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with exclamation point)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with question mark)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with dollar sign)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with pound sign)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with cent sign)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with yen sign)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with euro sign)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with dollar sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with percent sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with hash sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with ampersand sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with at sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with exclamation point sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with question mark sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with dollar sign sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with pound sign sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
(Symbol: Solid line with cent sign sign with slash)	CONCRETE FOUNDATION (NOT IN DRAWING)
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NO.	1	DATE	1/15/2008
REV.	1	DATE	1/15/2008
<p>SUNSHINE DESIGN LLC AN IBCG CO. 11111 WILSON BLVD. SUNSHINE, CA 94587 TEL: (925) 468-1111 WWW.SUNSHINEDESIGN.COM</p>			
<p><b>ELECTRIC PLAN</b> <b>LOT LIGHTING AND IRRIGATION</b> SUNSHINE &amp; JENSEN PLEASANTON, CALIFORNIA</p>			
DESIGNED	J.E.	CHECKED	J.E.
DRAWN	J.E.	SCALE	1" = 20'
DATE	1/15/08	PROJECT NO.	368-08-0
SHEET NO.	5	TOTAL SHEETS	5

BERLOGAR GEOTECHNICAL CONSULTANTS

# Pollution Prevention – It's Part of the Plan



## Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with City of Pleasanton requirements. Contact the City of Pleasanton, Department of Public Works at 925-931-9660 or for private onsite work contact the Building and Safety Division at 925-931-5300.

### Materials storage & spill cleanup

#### Non-hazardous materials management

- Store dirt, sand, and other materials loose to avoid at least 10 feet from earth banks, and covered with a tarp during wet weather or when rain is forecast.
- Use dust sheet covers to retain water for dust control as needed.
- Group or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water.
- Dispose of asphalt, concrete, and aggregate base material from demolition activities.
- Comply with City Ordinances for recycling construction materials, wood, dry board, pipe, etc.
- Contact Pleasanton Garbage Services at 925-949-2043 for both recycling and debris disposal.
- Check dumpsites regularly for leaks and to make sure they don't overflow. Report or replace leaking dumpsites promptly.

#### Hazardous materials management

- Label all hazardous materials and hazardous waste (such as pesticides, paints, solvents, asbestos, lead, oil, and antifreeze) in accordance with city, state, and federal regulations.
- Store hazardous materials and wastes in secondary containment and cover when facing wet weather.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when winds in forecast within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

#### Spill prevention and control

- Keep a supply of spill cleanup materials (bags, absorbent, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Do not wash spilled material into a gutter, street, storm drain, or canal.
- Report any hazardous materials spills immediately! Dial 911 or the local emergency number at 925-949-5324.

### Vehicle and equipment maintenance & cleaning

#### Inspect vehicles and equipment for leaks

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made or repair leaks promptly.
- Fuel and maintain vehicles on site only in a bonded area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bonded area that will not allow clean water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment inside using soap, solvents, degreasers, steam cleaning equipment, etc.



### Earthwork & contaminated soils

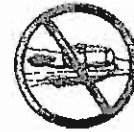
- Keep exposed soil on the site where it is least likely to collect the most.
- Transfer to dump trucks should take place on the site, not in the street.
- Use flow sills, silt fences, or other erosion controls to minimize the flow of soil off the site. See the approved erosion control plan for this site.



- Revegetation activities are only allowed during dry weather by permit and as approved by the City Inspector in the field.
- Minimize vegetation in the best areas to avoid erosion. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by covering the soil with erosion control fabric, or seed with fast growing grasses as soon as possible. Plant & use silt developments until soil is secure.
- If you suspect contamination (such as history, discoloration, etc.), contact the Environmental Health Department at 925-931-5300 or the Regional Water Quality Control Board for help in determining what should be done, and arrange disposal of materials and soil according to their instructions.

### Dewatering operations

- Recycle water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- Be sure to call Pleasanton's storm drain water control inspector, Brian Lusk, before discharging water to a street, gutter, or storm drain (925-931-5611). Filtration or diversion through a leak, tank, or sediment trap may be required.
- In areas of heavy construction, testing is required prior to release or discharge of groundwater. Consult with the city inspector to determine what testing is required and how to interpret results. Groundwater monitoring must be trained or bonded off-site for proper disposal.

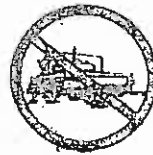


### Saw cutting

- Always completely cover or backfill storm drains before saw cutting. Use other fabric, such as heavy fabric, or silt/fabric bags to keep debris out of the storm drain system.
- Cover, absorb, or vacuum street debris and pick up all waste as soon as you are finished in one location or at the end of each work day before leaving the street.
- If saw cut debris enters a catch basin, clean it up immediately.

### Paving/asphalt work

- Do not pour during wet weather or when rain is forecast.
- Always cover storm drains before and maintain when paving or applying seal coat, top coat, slurry seal, or fog seal.
- Place drip pans or absorbent material under paving equipment when not in use.
- Prevent gutters, ditches, and drainage courses with silt/fabric bags, or erosion boxes.
- Do not sweep or wash down streets until after seal coating is complete, or before it is sealed.
- Do not use water to wash down from asphalt concrete pavement.



### Concrete, grout, and mortar storage & waste disposal

- Do not let storm concrete, grout, and mortar water cover and carry from discharge areas. These materials must never reach a storm drain.
- Wash out concrete equipment through a filter or discharge an effluent even for washing when water will flow over dirt or into a temporary pit in a dirt area. Let the water soak into the soil and dispose of hardened concrete with trash.



- Direct water from washing required by program resources to a dirt area where it will not run into a gutter, street, or storm drain.
- If a portable dirt area is not available, collect the wash water and remove it for appropriate disposal off-site.

### Painting

- Never store paint buckets or materials in a gutter or street.
- Paint and stains water-based paint before staining brushes, rollers, or machines in a sink. If you can't use a sink, direct wash water to a dirt area and recycle it in.
- Paint out excess oil-based paint before cleaning brushes in a tub.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and excess thinners in a hazardous waste.



San Jose Stormwater Management  
Agencies Association (SJM3A)  
1 West 14th Street

Storm drain polluters may be liable for fines of \$10,000 or more per day!



*Paula Anderson*  
City Engineer  
CITY OF PLEASANTON  
TRANSPORTATION DIVISION

For more detailed information,  
Get a copy of the "Field Manual" - 925-931-5300 or  
www.sjwm3a.org/transportation/transportation.cfm

CITY STANDARD POLLUTION PREVENTION NOTES  
TRANSPORTATION CORRIDOR PARKING LOT  
CITY OF PLEASANTON  
ALAMEDA COUNTY, CALIFORNIA

DATE: 05/15/2008  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: AS SHOWN  
SHEET NO: 20  
TOTAL SHEETS: 20

BERLOGAR GEOTECHNICAL CONSULTANTS