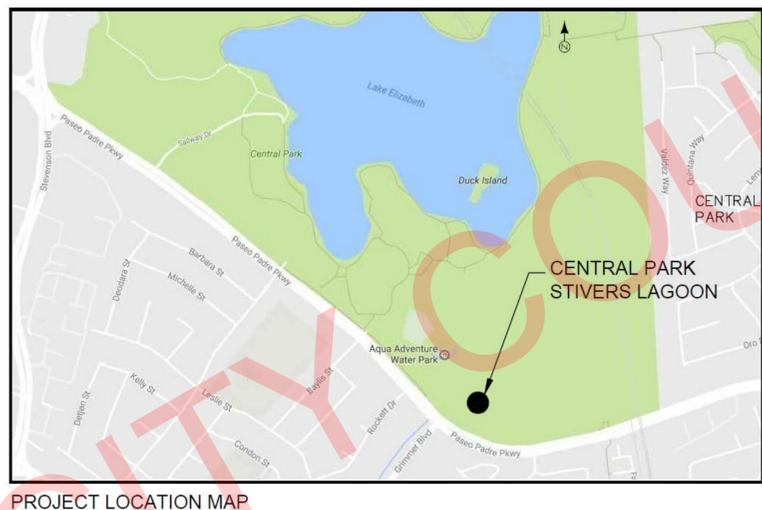
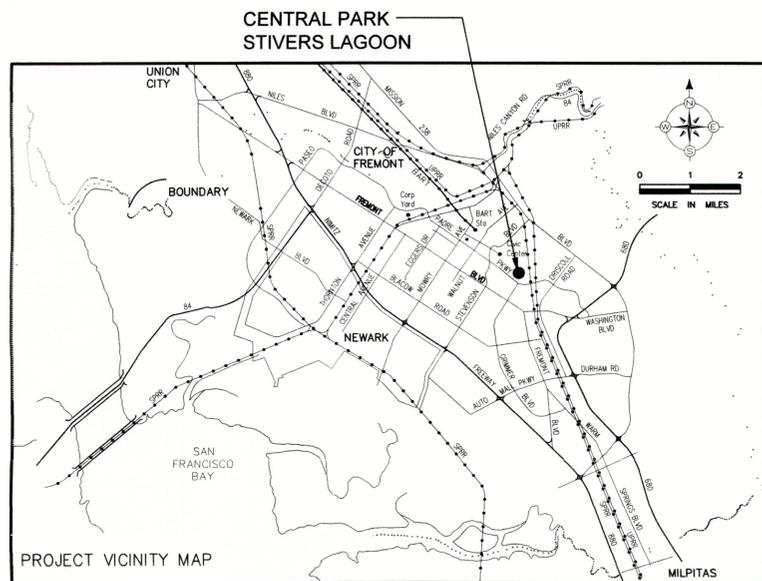


# CITY OF FREMONT

## ALAMEDA COUNTY, CALIFORNIA

# STIVERS LAGOON OUTDOOR CLASSROOM

## 8982 (PWC)



### BASE BID SCOPE

THE PROJECT GENERAL DESCRIPTION CONSISTS OF GENERAL DEMOLITION, CLEARING AND GRUBBING, GRADING AND EXCAVATION, AND MAINTENANCE OF TRAFFIC AND ACCESS; THE PROJECT ALSO CONSISTS OF THE INSTALLATION OF BOULDER SEATING, DECOMPOSED GRANITE SURFACING WITH PERMEABLE ROCK BASE, CONCRETE SIDEWALK AND CONCRETE BANDS, SITE FURNISHINGS, ADA CURB RAMP, SIGNAGE AND STRIPING OF ADA-ACCESSIBLE PARKING STALLS, ASPHALT CONCRETE WORK, RELOCATION OF EXISTING LIGHT POLE, AND OTHER SUCH ITEMS OR DETAILS THAT ARE REQUIRED BY THE PLANS, STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

### PROJECT NOTES

- ALL WORK SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION, THESE PROJECT SPECIAL PROVISIONS AND THE CITY OF FREMONT STANDARD DETAILS AND SPECIFICATIONS.
- THIS PROJECT IS LOCATED WITHIN THE ALAMEDA COUNTY FLOOD CONTROL AND WATER CONTROL DISTRICT. STIVERS LAGOON ACTS AS A DETENTION BASIN FOR MAJOR STORM EVENTS. THE PROJECT SCOPE OF WORK SHALL NOT REDUCE THE DETENTION BASIN DESIGN CAPACITY.
- PRIOR TO ANY CONSTRUCTION COMMENCEMENT, AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PRIOR TO COMMENCEMENT OF ANY WORK WITHIN DISTRICT RIGHT-OF-WAY AND FOR THE CONSTRUCTION, MODIFICATION OR CONNECTION TO DISTRICT-MAINTAINED FACILITIES. ALL WORKMANSHIP, EQUIPMENT, AND MATERIALS SHALL CONFORM TO DISTRICT STANDARDS AND SPECIFICATIONS.

### SHEET INDEX

SHEET NO.	SHEET TITLE	DESCRIPTION
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2	L0.1	NOTES AND ABBREVIATIONS
3	L0.2	EROSION CONTROL
4	L0.3	EROSION CONTROL DETAILS
5	L0.4	CLEAN BAY BLUE PRINT
6	L1.0	EXISTING CONDITIONS PLAN
7	L2.0	DEMOLITION PLAN
8	L3.0	MATERIAL REFERENCE, LAYOUT AND GRADING PLAN
9	L4.0	CONSTRUCTION DETAILS
10	L4.1	CONSTRUCTION DETAILS
11	L4.2	CONSTRUCTION DETAILS



ALAMEDA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT  
REVIEWED FOR PERMIT ISSUANCE:

REVIEWED BY: *William Lepere* 5/20/19  
WILLIAM LEPERE, P.E., DEPUTY DIRECTOR  
CONSTRUCTION AND DEVELOPMENT SERVICES DEPARTMENT  
ALAMEDA COUNTY PUBLIC WORKS AGENCY

### GENERAL NOTES:

- LOCATION OF EXISTING FACILITIES WERE TAKEN PARTIALLY FROM RECORDS AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING IN THEIR LOCALITY.  
THE UTILITY AGENCIES IN THE CITY OF FREMONT ARE:

<b>ALAMEDA COUNTY WATER DISTRICT</b> 43885 SOUTH GRIMMER BOULEVARD FREMONT, CA 94537 PHONE: (510) 659-1970	<b>TIME WARNER TELECOM</b> 1340 TREAT BLVD, SUITE 100 WALNUT CREEK, CA 94597 PHONE: (925) 953-7093
<b>UNION SANITARY DISTRICT (USD)</b> 5072 BENSON ROAD UNION CITY, CA 94587-2508 PHONE: (510) 477-7500	<b>AT&amp;T</b> 870 N. MCCARTHY ROAD, CUBE 1.167 MILPITAS, CA 95035 PHONE: (408) 635-8831
<b>PACIFIC GAS &amp; ELECTRIC CO.</b> 41800 BOSCELL ROAD FREMONT, CA 94538 PHONE: (510) 683-3025	<b>COMCAST</b> 8470 PARDEE ROAD OAKLAND, CA 94621 PHONE: (510) 567-9213
<b>XO COMMUNICATIONS</b> 855 MISSION BOULEVARD FREMONT, CA 94539 PHONE: (510) 580-6363	

- AMBULANCE SERVICES: PARAMEDICS PLUS: (825) 422-7595; ATTN: RASHIDA KAMARA
- AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE BEGINNING OF WORK, THE CONTRACTOR SHALL NOTIFY LOCAL AUTHORITIES, INCLUDING THE CITY OF FREMONT POLICE DEPARTMENT OF HIS INTENT TO BEGIN WORK. THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER RELATIVE TO HANDLING TRAFFIC THROUGH THE AREA AND SHALL MAKE HIS OWN ARRANGEMENTS RELATIVE TO KEEPING THE WORKING AREA CLEAR OF PARKED VEHICLES. THE FOLLOWING CONTACT INFORMATION IS PROVIDED FOR THE CONTRACTORS INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH LOCAL AUTHORITIES AND AGENCIES.

FREMONT POLICE DEPARTMENT - DISPATCH: (510) 790-6800  
FREMONT FIRE DEPARTMENT - DISPATCH: (925) 422-7594  
PARAMEDIC PLUS - OPERATIONS: (510) 746-5700  
PARAMEDIC PLUS - DISPATCH: (925) 422-7595, FAX: (510) 625-1486  
U.S. POSTAL SERVICE - FREMONT MAIN POST OFFICE: (510) 792-8655  
A.C. TRANSIT - DISPATCH: (510) 891-4901  
EAST BAY PARA TRANSIT: (510) 446-2008  
BLT - FREMONT RECYCLING TRANSFER STATION: (510) 252-0500  
BLT - FREMONT RECYCLING TRANSFER STATION: (510) 252-0500  
REPUBLIC SERVICES "ALLIED WASTE" (GARBAGE PICKUP): (510) 857-3500  
FREMONT UNIFIED SCHOOL DISTRICT - DISPATCH: (510) 657-1450 X13147

- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, RAMPS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
- ROUND OFF ALL POINTS OF GRADE CHANGE NOT WITHIN A VERTICAL CURVE, AS APPROVED BY THE ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANY.
- REFER TO OTHER SHEETS FOR ADDITIONAL NOTES AND LEGENDS PERTAINING TO SPECIFIC ITEMS OF WORK.
- THE CONTRACTOR IS ENCOURAGED TO USE RECLAIMED WATER GENERATED BY UNION SANITARY DISTRICT (USD) FOR CONSTRUCTION ACTIVITIES. FOR FURTHER INFORMATION, CONTACT USD AT (510) 477-7500.
- NOTIFICATION BY THE CONTRACTOR:

PRIOR TO ANY EXCAVATION IN THE VICINITY OF ANY EXISTING UNDERGROUND FACILITIES, INCLUDING ALL WATER, SEWER, STORM DRAIN, GAS, PETROLEUM PRODUCTS, OR OTHER PIPELINES; ALL BURIED ELECTRICAL POWER, COMMUNICATIONS, OR TELEVISION CABLES; ALL TRAFFIC SIGNAL AND STREET LIGHTING FACILITIES; AND ALL ROADWAY AND STATE HIGHWAY RIGHT-OF-WAYS THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT AGENCY (800.227.2600) AND THE RESPECTIVE AUTHORITIES REPRESENTING THE OWNERS OR AGENCIES RESPONSIBLE FOR SUCH UNDERGROUND FACILITIES NOT LESS THAN 48 HOURS PRIOR TO EXCAVATION SO THAT A REPRESENTATIVE OF SAID OWNERS OR AGENCIES CAN MARK THE UTILITY ALIGNMENT OR BE PRESENT DURING SUCH WORK IF THEY SO DESIRE.

APPROVED BY: *Khandan Bahmani* 5/19/19  
Khandan Bahmani, City Engineer Date

REVIEWED BY: *Juan Barajas* 05/17/2019  
Juan Barajas, Park Superintendent Date

No.	DATE	REVISION	BY	APPD	STIVERS LAGOON OUTDOOR CLASSROOM COVER SHEET			CITY PROJECT: PWC 8982	SCALE: AS SHOWN	DRAWING:
								FEDERAL PROJECT:	0 1" = 1'	<b>L0.0</b>
								DESIGNED BY: CC/TB	NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	
								CHECKED BY:		
								DRAWN BY: CC	DATE: MAY 2019	
								DATE: 5/16/2019		

**PROJECT NOTES**

- ALL WORK SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION, THESE PROJECT SPECIAL PROVISIONS AND THE CITY OF FREMONT STANDARD DETAILS AND SPECIFICATIONS.
- THIS PROJECT IS LOCATED WITHIN THE ALAMEDA COUNTY FLOOD CONTROL AND WATER CONTROL DISTRICT.
- PRIOR TO ANY CONSTRUCTION COMMENCEMENT, AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PRIOR TO COMMENCEMENT OF ANY WORK WITHIN DISTRICT RIGHT-OF-WAY AND FOR THE CONSTRUCTION, MODIFICATION OR CONNECTION TO DISTRICT-MAINTAINED FACILITIES. ALL WORKMANSHIP, EQUIPMENT, AND MATERIALS SHALL CONFORM TO DISTRICT STANDARDS AND SPECIFICATIONS.
- STIVERS LAGOON ACTS AS A DETENTION BASIN FOR MAJOR STORM EVENTS. THE PROJECT SCOPE OF WORK WILL NOT REDUCE THE DETENTION BASIN DESIGN CAPACITY.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL TO DETERMINE THE EXACT EXTENT AND DEPTH OF SITE DEMOLITION REQUIRED AND VERIFY COMPLIANCE WITH DRAWINGS. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- BEST MANAGEMENT PRACTICES, AS PUBLISHED BY THE ALAMEDA COUNTYWIDE CLEAN WATER PROGRAM, ARE INCORPORATED INTO THE PROJECT SPECIFICATIONS AND ARE TO BE FOLLOWED DURING THE CONSTRUCTION ACTIVITIES ON THIS PROJECT.
- THIS PROJECT REQUIRES A WATER POLLUTION CONTROL PLAN, BUT DOES NOT REQUIRE SUBMISSION TO SMARTS. REFER TO SECTION 01 57 10 "TEMPORARY ENVIRONMENTAL CONTROLS" FOR MORE INFORMATION.
- THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY INSPECTOR. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT. NOTIFY THE CITY INSPECTOR IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE WHETHER TEMPORARY SERVICES ARE NECESSARY.
- ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE CITY INSPECTOR.
- ALL (E) TREES, LAWN AND OTHER PLANTINGS LOCATED OUTSIDE THE LIMIT OF WORK LINE SHALL BE PRESERVED TO REMAIN AND BE PROTECTED. AVOID DRIVING UNDER THE CANOPIES TO AVOID CRUSHING UNDERGROUND ROOT SYSTEMS.
- CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE START OF GRADING. NOTIFY THE CITY INSPECTOR IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
- THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING IRRIGATION, IF ANY, AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY AND PROVIDE TEMPORARY IRRIGATION TO ADJACENT PLANTING AREAS IMPACTED BY CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPLACEMENT OF ALL IRRIGATION SYSTEM AND IRRIGATION CONTROL WIRING IMPACTED BY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR IRRIGATION OF EXISTING PLANT MATERIAL DURING CONSTRUCTION.
- THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
- ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY CITY REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
- CONCRETE FINISHES SHALL BE AS NOTED. CONTRACTOR SHALL PROVIDE SAMPLES FOR CITY APPROVAL, AS NOTED IN THE SPECIFICATIONS.
- ALL FENCES SHOWN ON PLAN ARE GRAPHIC REPRESENTATIONS; REFER TO DETAILS AND SPECIFICATIONS FOR PRECISE LOCATION AND/OR PLACEMENT.
- AT LOCATIONS WHERE (E) ASPHALT PAVING IS SAWCUT, CONTRACTOR SHALL REPLACE ASPHALT AS NECESSARY, INSTALLED FLUSH WITH EXISTING ADJACENT PAVING AND SLOPED TO PROVIDE POSITIVE DRAINAGE. MATCH (E) ASPHALT PAVING SECTIONS AND AS REQUIRED BY CITY OF FREMONT STANDARDS.
- ALL EXISTING PLANT MATERIALS ARE TO BE PROTECTED DURING CONSTRUCTION. PLANTS DAMAGED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- SYMBOLS SHOWN FOR EXISTING TREES TO REMAIN OUTSIDE LIMITS OF WORK ARE FOR REFERENCE ONLY. THEY DO NOT REFLECT TRUE CANOPY OR TRUNK SIZE.

**STAGING AND ACCESS NOTES**

- CONTRACTOR SHALL PROPOSE AND SUBMIT STAGING PLANS TO THE LANDSCAPE ARCHITECT AT THE PRE-CONSTRUCTION MEETING.
- STAGING AREA SHALL BE USED FOR STORAGE OF ALL CONTRACTOR EQUIPMENT, MATERIALS AND CITY-FURNISHED ITEMS.
- PRIOR TO VEHICULAR EQUIPMENT ACCESS INTO THE SITE, THE CONTRACTOR MAY NEED TO PROTECT THE EXISTING SURFACES FROM DAMAGE. PROTECTIVE SHEETING OR PLATING TO PROTECT SURFACES SHALL BE PAID FOR IN ALL THE VARIOUS BID ITEMS OR WORK.
- CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS AND CIRCULATION IN THE PARKING LOTS AT ALL TIME DURING CONSTRUCTION. ANY BLOCKAGES OR DETOURS SHALL BE REQUESTED IN WRITING OR PROPOSED ON PLAN.
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN PATHWAY CIRCULATION AT ALL TIMES DURING CONSTRUCTION. ANY BLOCKAGES OR DETOURS SHALL BE REQUESTED IN WRITING OR PROPOSED ON PLAN.

**TREE & LANDSCAPE PRESERVATION NOTES**

- SEE DEMOLITION PLAN FOR EXISTING TREES TO BE RETAINED AND PROTECTED.
- CONTRACTOR SHALL INSTALL TREE TRUNK WRAP PRIOR TO BEGINNING OF WORK. REFER TO TREE TRUNK WRAP DETAIL ON SHEET 1/L4.0. IF TREE WRAP IS NOT INSTALLED ACCORDING TO DETAIL, THE CITY RESERVES THE RIGHT TO HALT CONSTRUCTION UNTIL THE WRAP IS INSTALLED TO THE INSPECTOR AND LANDSCAPE ARCHITECTS SATISFACTION.
- REFER TO SECTION 01 53 00 "TREE PRUNING AND ROOT PRUNING" AND SECTION 01 53 50 "TREE PROTECTION" FOR ROOT PRUNING AND EXCAVATION ADJACENT TO EXISTING TREES.
  - WHEN WORK HAS TO OCCUR UNDER THE DRIFLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN, TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - IN ALL CASES WHERE ALL EXCAVATION WITHIN A TREE TO REMAIN IS NECESSARY, THE CONTRACTOR SHALL HAND DIG UNDER THE DIRECTION OF A CERTIFIED ARBORIST APPROVED BY THE CITY LANDSCAPE ARCHITECT. A CERTIFIED ARBORIST SHALL BE ON SITE TO MONITOR ALL ROOT PRUNING AND BRANCH PRUNING OF ALL EXISTING TREES.
- THE CONTRACTOR IS REQUIRED TO WATER, FERTILIZE AND ATTEND TO ALL MAINTENANCE NEEDS OF ANY EXISTING TREES, SHRUBS AND TURF AFFECTED BY CONSTRUCTION WORK TO MAINTAIN HEALTHY GROWTH THROUGHOUT THE CONSTRUCTION PERIOD.
- REFER TO SECTION 01 53 50 "TREE PROTECTION" OF THE PROJECT SPECIFICATIONS.

**GENERAL DEMOLITION NOTES**

- CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING PRIOR TO BEGINNING OF WORK.
- CONFIRM ANY AFFECTED EXISTING IRRIGATION SYSTEM IS IN WORKING ORDER PRIOR TO THE COMMENCEMENT OF DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE ENTIRE SYSTEM IMPACTED BY CONSTRUCTION AND MAKE THE NECESSARY ADJUSTMENTS PRIOR TO DEMOLITION WORK.
- UNLESS NOTED, ALL UTILITY BOXES, POLES AND FOOTINGS SHALL REMAIN AND BE PROTECTED. UTILITY BOXES AND DRAIN INLETS SHALL BE ADJUSTED AS NEEDED TO MEET NEW GRADES.
- VERIFY IN FIELD THE LOCATION AND FUNCTIONALITY OF EXISTING CATCH BASINS OR DRAIN INLETS. NOTIFY LANDSCAPE ARCHITECT IF THE LOCATION IS NOT SHOWN ON DRAWINGS OR IF CATCH BASINS ARE IN POOR CONDITION.
- ALL EXISTING TURF, TREES, LANDSCAPE AND IRRIGATION TO BE PRESERVED IN PLACE. ANY DAMAGE TO THE AFOREMENTIONED UTILITIES, OR OTHER CITY PROPERTY SHALL BE REPLACED IN KIND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
- REFER TO ARTICLE 15, SECTION 01 50 50 "CONSTRUCTION AND DEMOLITION DEBRIS MANAGEMENT" FOR REQUIRED CONSTRUCTION WASTE MANAGEMENT PRACTICES.

**SURVEYING AND STAKING NOTES**

- DIMENSION LINES ARE TO ASSIST CONTRACTOR WITH VERIFYING LAYOUT. INITIAL LAYOUT AND STAKING SHALL BE DONE BY CITY SURVEYORS USING PARK GRID COORDINATE POINTS.
- THE CITY SURVEY CREW WILL TAG OUT STAKES ONE TIME ONLY FOR ALL COORDINATE POINTS SHOWN ON THE MATERIAL REFERENCE, LAYOUT AND GRADING PLANS. IF CONTROL MUST BE RESET, THE LABOR COST, WITH THE CITY-ADOPTED MARKUP FACTOR, SHALL BE DEDUCTED FROM PROGRESS PAYMENTS.
- CONTRACTOR SHALL SUBMIT A SURVEY REQUEST TO THE CITY AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE NEED FOR STAKING IN ORDER TO COORDINATE AND SCHEDULE CITY SURVEY CREWS.

**LAYOUT AND GRADING NOTES**

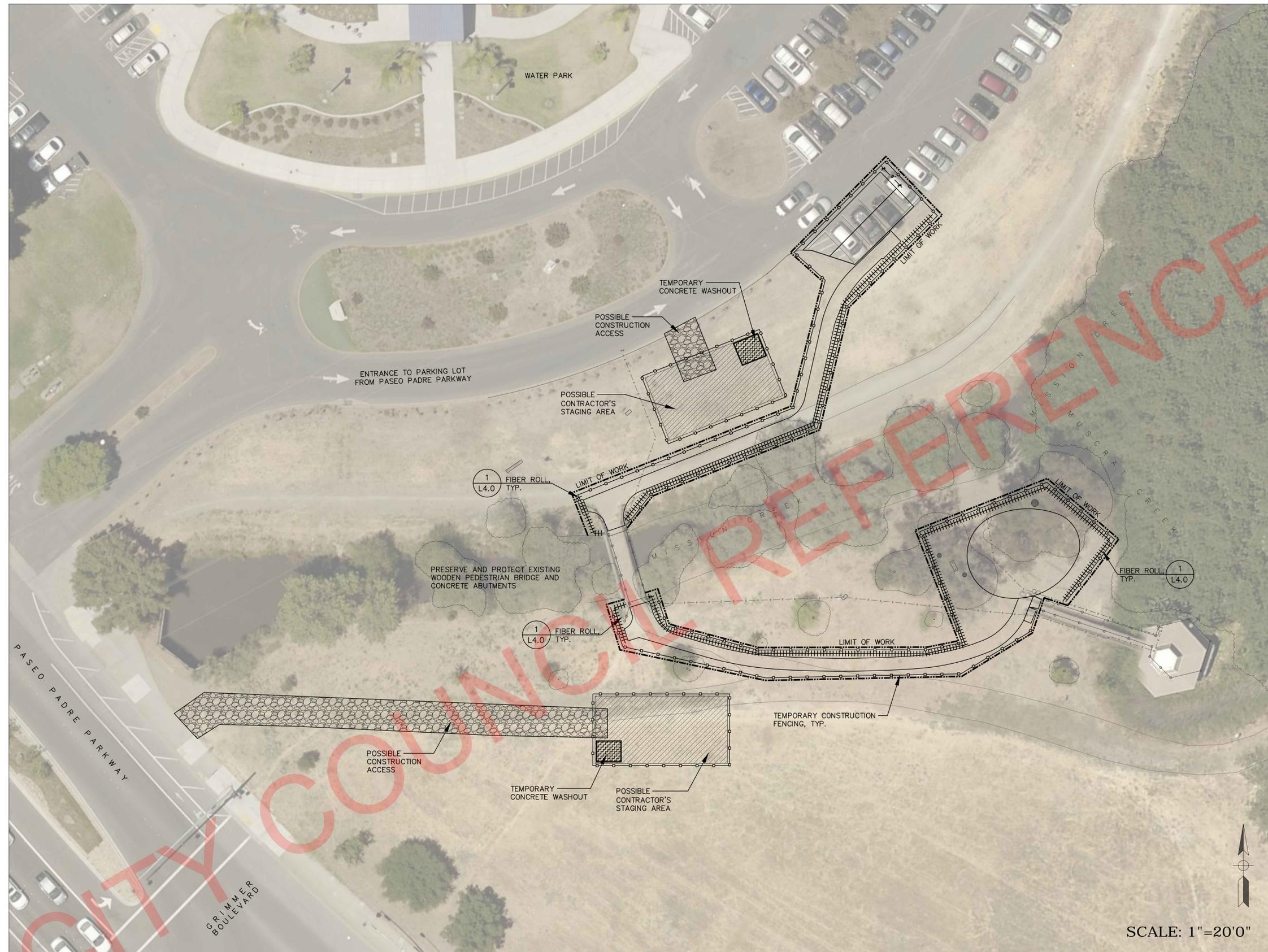
- COORDINATES AND DIMENSIONS PROVIDED FOR CONCRETE WORK ARE FOR INSIDE FACE OF CURB OR EDGE OF CONCRETE FLATWORK.
- PRIOR TO GRADING, VERIFY AND TEST EXISTING DRAINAGE STRUCTURES, IRRIGATION LINES, AND UNDERGROUND UTILITY LOCATIONS. REPORT FUNCTIONALITY OF SYSTEMS AND NOTIFY PROJECT LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK SHOULD CONFLICTS EXIST BETWEEN PLANS AND SITE CONDITIONS. CONTRACTOR SHALL REPAIR ANY DAMAGED PROPERTY AT NO EXPENSE TO THE CITY.
- COORDINATE ALL CONSTRUCTION ELEMENTS PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE, AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING WORK.
- TRANSITIONS BETWEEN SLOPES AND RELATIVELY FLAT AREAS, WHETHER EXISTING OR NEW, SHALL BE ROUNDED, GRADUAL AND SLOPED TO DRAIN. LOW SPOTS WHICH HOLD WATER SHALL NOT BE PERMITTED. LOW SPOTS WHICH HOLD STANDING WATER SHALL NOT BE PERMITTED AND WILL RESULT IN REMOVAL AND REPLACEMENT OF WORK (INCLUDING CONCRETE) TO ELIMINATE LOW SPOTS AT NO COST TO THE CITY.
- PROPOSED CONCRETE PAVEMENT GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SUCH AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY CITY INSPECTOR IF PUDDLING IS SUSPECTED AND REDIRECT WORK AS TO AVOID DELAY WHILE AWAITING RESPONSE.
- LAYOUT OF PAVED AREAS AND CURBS MUST BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLACEMENT OF PAVING AND CURBS. IF NECESSARY, THE CONTRACTOR SHALL ADJUST LAYOUT AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. IN THE EVENT THAT WORK IS ACCOMPLISHED WITHOUT APPROVAL, CONTRACTOR SHALL REMOVE AND REPLACE WORK, AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT, AT NO ADDITIONAL COST TO THE CITY.
- ALL AREAS TO BE GRADED AT 1% MINIMUM FOR DRAINAGE, UNLESS NOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.
- PROPOSED SPOT GRADES (ELEVATIONS) SHOWN HEREON ARE FINISHED PAVEMENT GRADES, UNLESS NOTED OTHERWISE.

**ABBREVIATIONS**

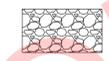
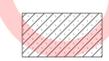
ADDITIONAL ABBREVIATIONS MAY BE LOCATED ON SPECIFIC SHEETS

AC	ASPHALT CONCRETE	LIP	LIP OF GUTTER
ACP	ASBESTOS CONCRETE PIPE	L.O.W.	LIMIT OF WORK
ACWD	ALAMEDA COUNTY WATER DISTRICT	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MIN	MINIMUM
BC	BEGINNING OF CURB	MH	MANHOLE - UNKNOWN OWNER
BENCH	BENCH	MLCH	MULCH
BM	BENCH MARK	O.A.E.	OR APPROVED EQUAL
BOW	BACK OF WALL	OS	OFFSET
BR	WALL	PCC	PORTLAND CEMENT CONCRETE
BRA	BRIDGE ABUTMENT	PGE	PACIFIC GAS AND ELECTRIC
Cb	CURB	PL	PROPERTY LINE
CI	CURB INLET	P.O.C.	POINT ON CURVE
CL	CENTERLINE	PIP	POURED IN PLACE
CLF	CHAIN LINK FENCE	PP	POWER POLE
CONC	CONCRETE	P.W.	POTABLE WATER
CONT	CONTINUOUS	R	RADIUS
CP	CONCRETE PAD	RCP	REINFORCED CONCRETE PIPE
CTC	CENTER TO CENTER	R.O.W.	RIGHT OF WAY
CTE	CENTER TO EDGE	SB	SUBBASE
DG	DECOMPOSED GRANITE	SD	STORM DRAIN
DJ	DEEP JOINT	SDMH	STORM DRAIN MANHOLE
DW	DRIVEWAY	SG	SUBGRADE
(E)	EXISTING	SMP	SIGN MULTI POST
EC	END OF CURB	SS	SANITARY SEWER
EG	EDGE OF GRAVEL	SSMH	SANITARY SEWER MANHOLE
EQ	EQUAL	STRW	STRIPE WHITE
ELE	ELECTRICAL	STRW B	STRIPE WHITE BEGIN
EP	EDGE OF PAVEMENT	STRW E	STRIPE WHITE END
EOW	EDGE OF WALK	STUMP	STUMP
FC	FACE OF CURB	SW	SIDEWALK
FCE	FENCE	TC	TOP OF CURB
FFE	FINISH FLOOR ELEVATION	TRAL D	TRAIL DIRT
FG	FINISH GRADE	TRALD B	TRAIL DIRT BEGIN
FI	FIELD INLET	TRALD E	TRAIL DIRT END
FL	FLOWLINE	TRDC	TREE DECIDUOUS
FS	FINISH SURFACE	TYP	TYPICAL
GB	GRADE BREAK	W	POTABLE WATER
HC	ACCESSIBLE PARKING SPACE	WM	WATER METER
IRR	IRRIGATION	WV	WATER VALVE
ISA	INTERNATIONAL SYMBOL OF ACCESS		

No.	DATE	REVISION	BY	APPD			<b>STIVERS LAGOON OUTDOOR CLASSROOM</b> <b>NOTES AND ABBREVIATIONS</b> <b>PUBLIC WORKS DEPARTMENT</b>			CITY PROJECT: PWC 8982		SCALE:	0  -----  1' NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.	<b>L0.1</b>  SHEET 2 OF 11
									FEDERAL PROJECT:					
									DESIGNED BY:	CHECKED BY:				
									CC/TB					
									DRAWN BY:	DATE:				
							CC	MAY 2019						
						APPROVED -- SENIOR LANDSCAPE ARCHITECT	DATE	RECOMMENDED -- PROJECT MANAGER	DATE					
						<i>Maad Maad</i>	5/16/2019	<i>Comedian</i>	5/16/2019					



**EROSION CONTROL PLAN LEGEND:**

-  STABILIZED CONSTRUCTION ACCESS
-  TEMPORARY CONCRETE WASH
-  POSSIBLE CONTRACTOR'S STAGING AREA
-  FIBER ROLL
-  LIMIT OF WORK
-  TEMPORARY CONSTRUCTION FENCING

**NOTES:**

1. AERIAL GRAPHIC IS FOR REFERENCE ONLY AND MAY NOT BE AN ACCURATE REPRESENTATION OF EXISTING CONDITIONS.
2. THE INTENTION OF THIS PLAN IS FOR THE INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION. REFER TO SPECIFICATIONS SECTION 01 57 10 "TEMPORARY ENVIRONMENTAL CONTROLS" FOR MORE INFORMATION.
3. THIS PLAN IS A DIAGRAMMATIC GUIDE ONLY. ALL STAGING AREAS AND STABILIZED ENTRANCES ARE SHOWN AS POTENTIAL POINT OF ACCESS AND STAGING. THE CONTRACTOR SHALL USE THIS INFORMATION TO DEVELOP THEIR OWN WATER POLLUTION CONTROL PLAN DELINEATING ENTRANCES AND STAGING TO FIT THEIR OPERATIONS.
4. BMP'S SHALL BE MAINTAINED THROUGH THE CONTRACT WORKING DAYS AT ALL TIMES.
5. TEMPORARY FIBER ROLLS SHALL BE PLACED ON DOWN SLOPE OF GRADING, EXCAVATION AND SOIL-DISTURBED AREAS.
6. NO CONCRETE, CEMENT, SLURRY OR WASHINGS MAY ENTER ANY WATERWAYS. PROTECTIVE MEASURES TO BE INSTALLED PRIOR TO CONCRETE POUR.

No.	DATE	REVISION	BY	APPD



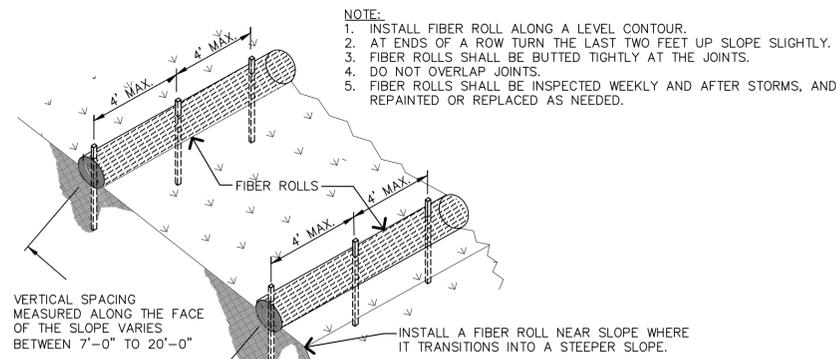
**STIVERS LAGOON OUTDOOR CLASSROOM**  
**EROSION CONTROL PLAN**  
**PUBLIC WORKS DEPARTMENT**

APPROVED -- SENIOR LANDSCAPE ARCHITECT      DATE 5/16/2019      RECOMMENDED -- PROJECT MANAGER      DATE 5/16/2019

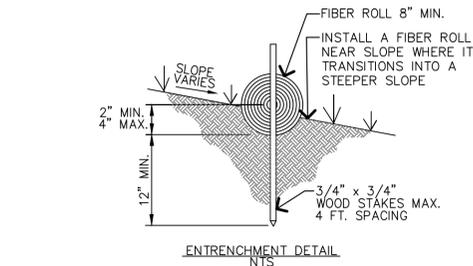
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FEDERAL PROJECT:	0  -----  1'	
DESIGNED BY: CC/TB	CHECKED BY:	
DRAWN BY: CC	DATE: MAY 2019	

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 3 OF 11

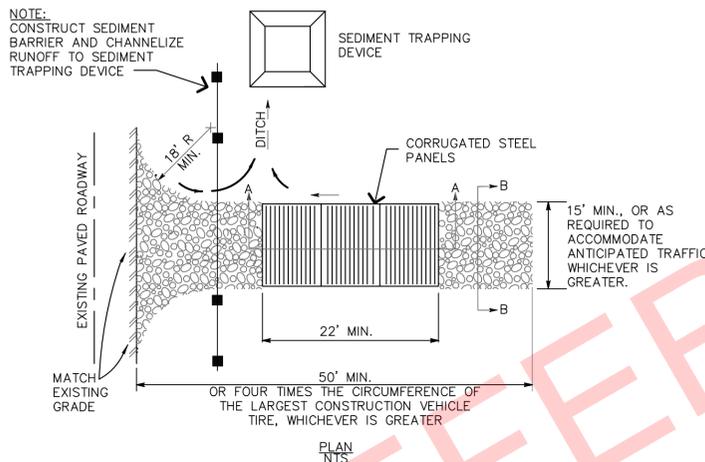
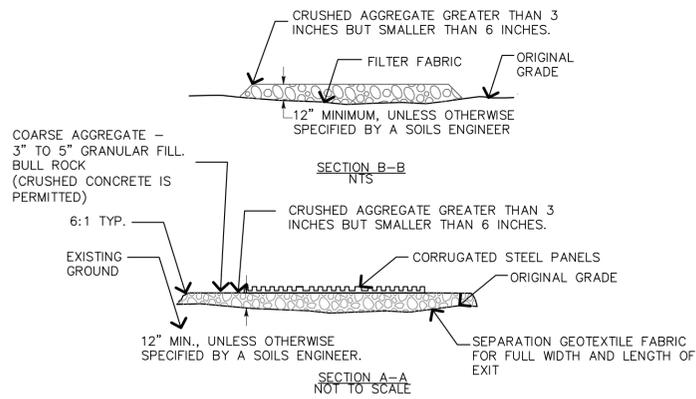


TYPICAL FIBER ROLL INSTALLATION  
NTS

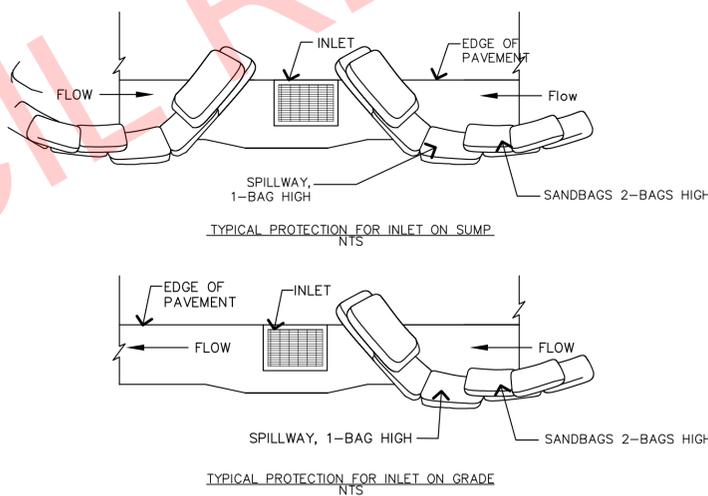


ENTRENCHMENT DETAIL  
NTS

**1 FIBER ROLL**  
SCALE: N.T.S.

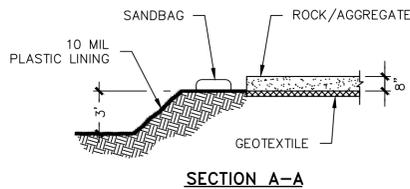


**2 STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: N.T.S.

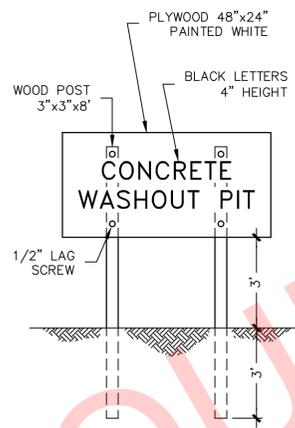


NOTES:  
1. INTENDED FOR SHORT-TERM USE.  
2. USE TO INHIBIT NON-STORM WATER FLOW.  
3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.  
4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED  
5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

**4 INLET PROTECTION**  
SCALE: N.T.S.

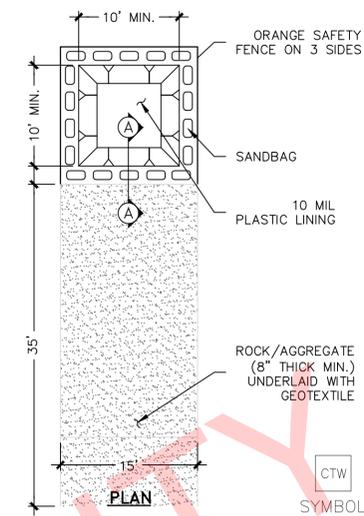


SECTION A-A

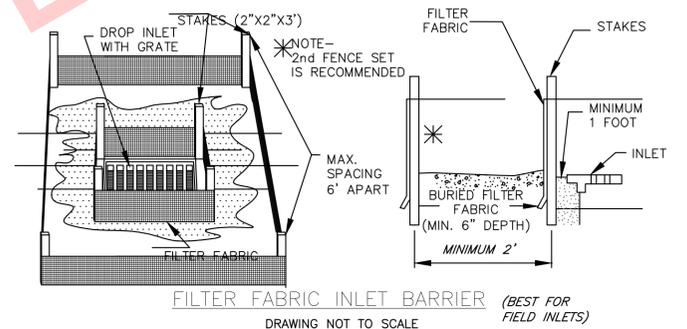


SIGN DETAIL  
(OR EQUIVALENT)

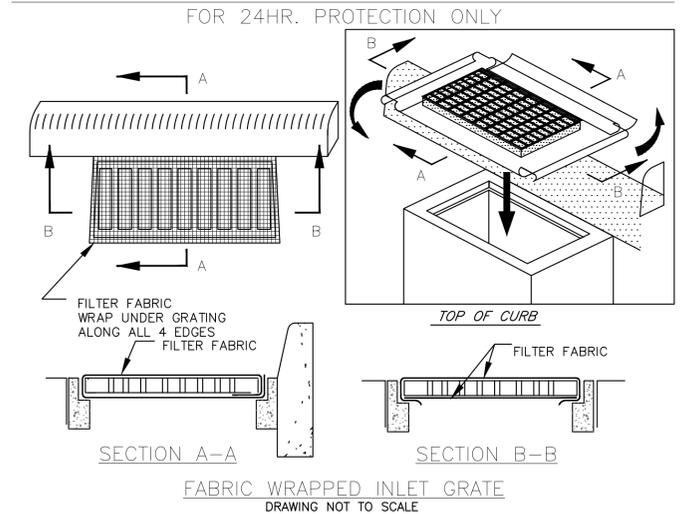
NOTES:  
1. POST A SIGN READING "CONCRETE WASHOUT PIT" NEXT TO THE PIT.  
2. VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASHOUT THEIR TRUCKS IN THE PIT AND NOWHERE ELSE.  
3. UPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASHOUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.  
4. CONCRETE WASHOUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR WATERWAY.  
5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT.



**3 CONCRETE TRUCK WASHOUT AREA**  
SCALE: N.T.S.



FILTER FABRIC INLET BARRIER (BEST FOR FIELD INLETS)  
DRAWING NOT TO SCALE



**5 INLET PROTECTION MEASURES**  
SCALE: N.T.S.

NOTE:  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE BEST MANAGEMENT PRACTICES (BMP'S) AS IDENTIFIED IN THE PLANS AND SPECIFICATIONS.

No.	DATE	REVISION	BY	APPD



STIVERS LAGOON OUTDOOR CLASSROOM

EROSION CONTROL DETAILS

PUBLIC WORKS DEPARTMENT

APPROVED - SENIOR LANDSCAPE ARCHITECT

DATE: 5/16/2019

RECOMMENDED - PROJECT MANAGER

DATE: 5/16/2019

CITY PROJECT: PWC 8982

FEDERAL PROJECT:

DESIGNED BY: CC/TB

DRAWN BY: CC

CHECKED BY:

DATE: MAY 2019

SCALE: N/A

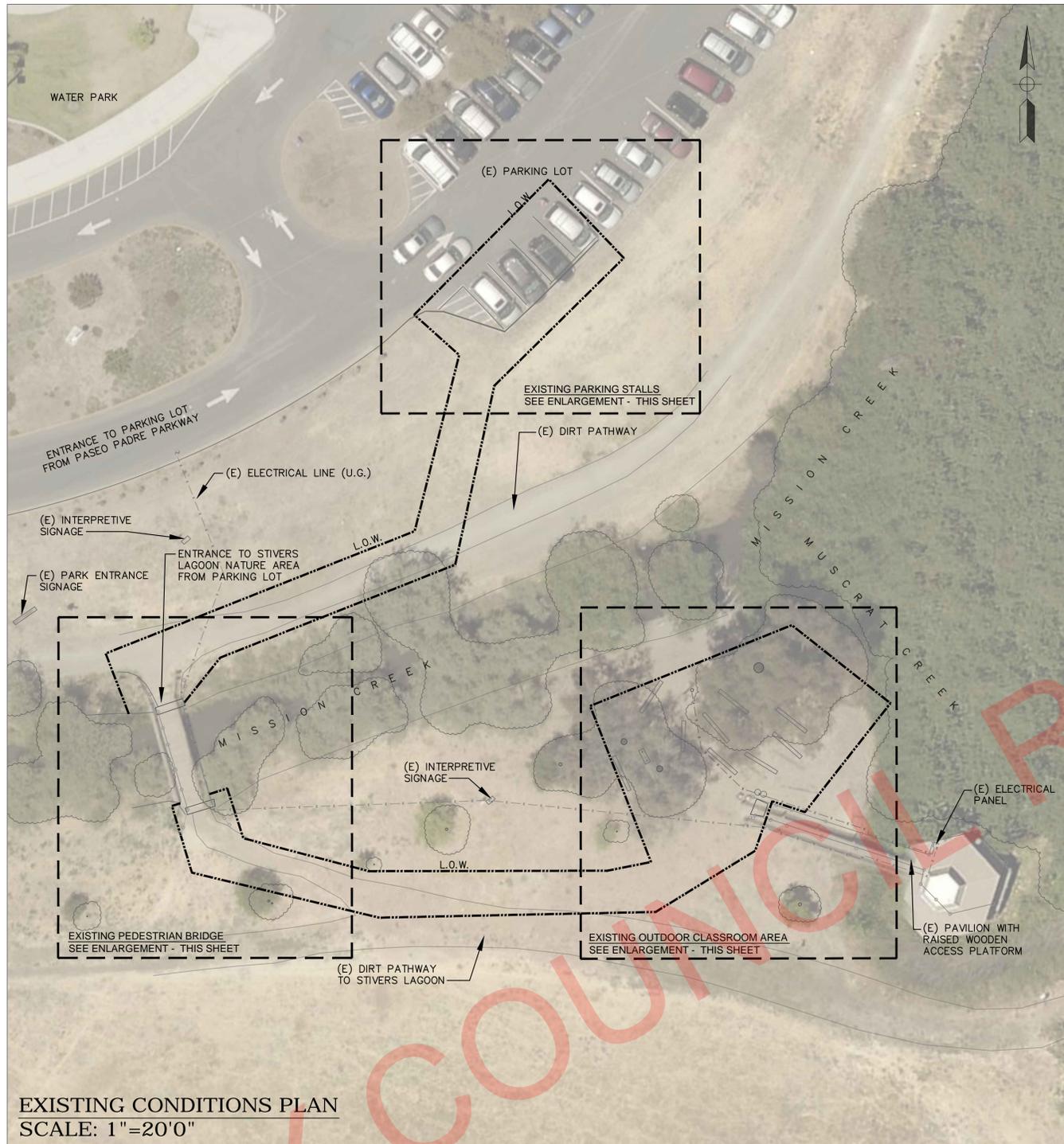
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DRAWING:

**L0.3**

SHEET 4 OF 11



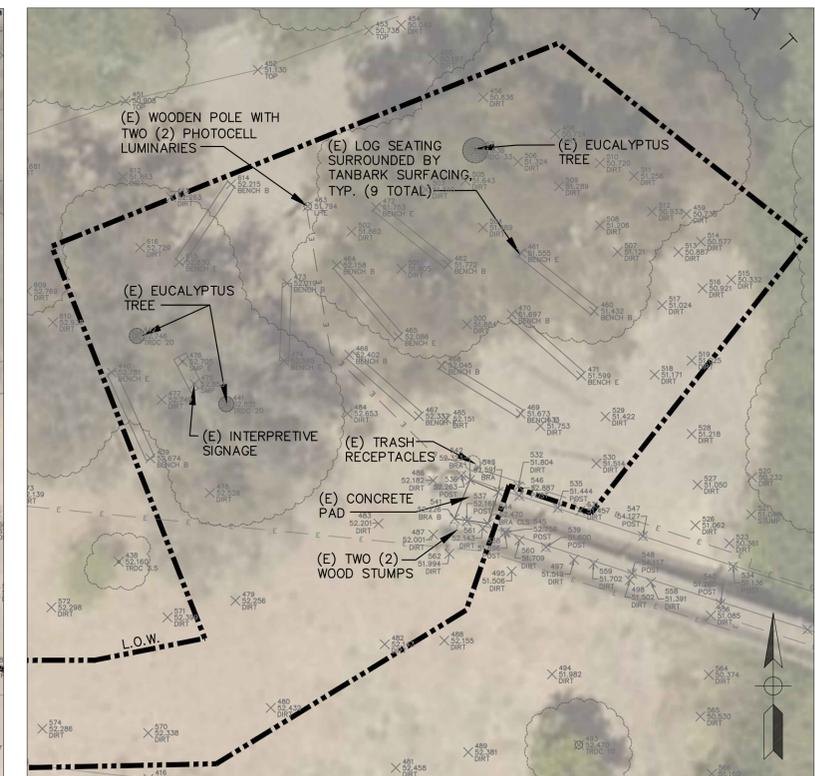
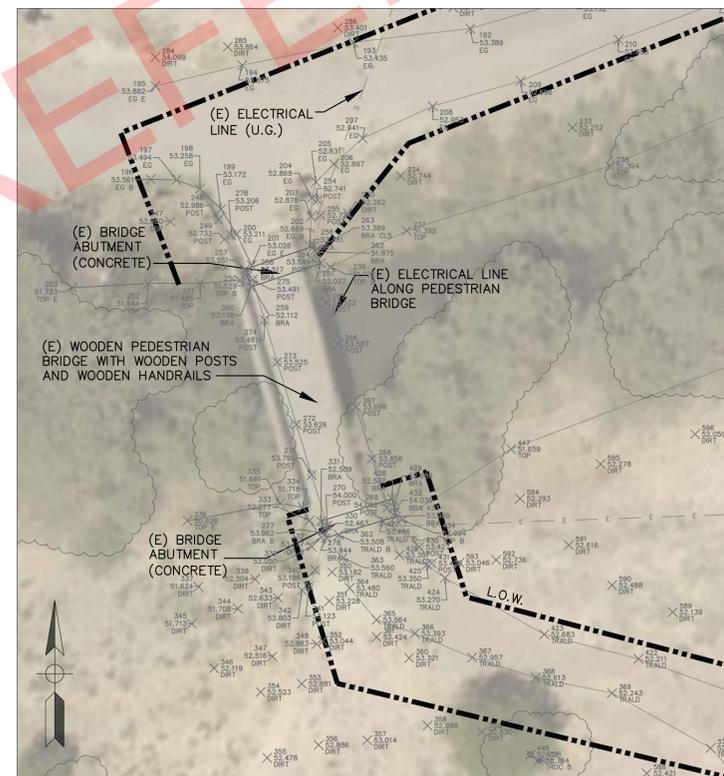
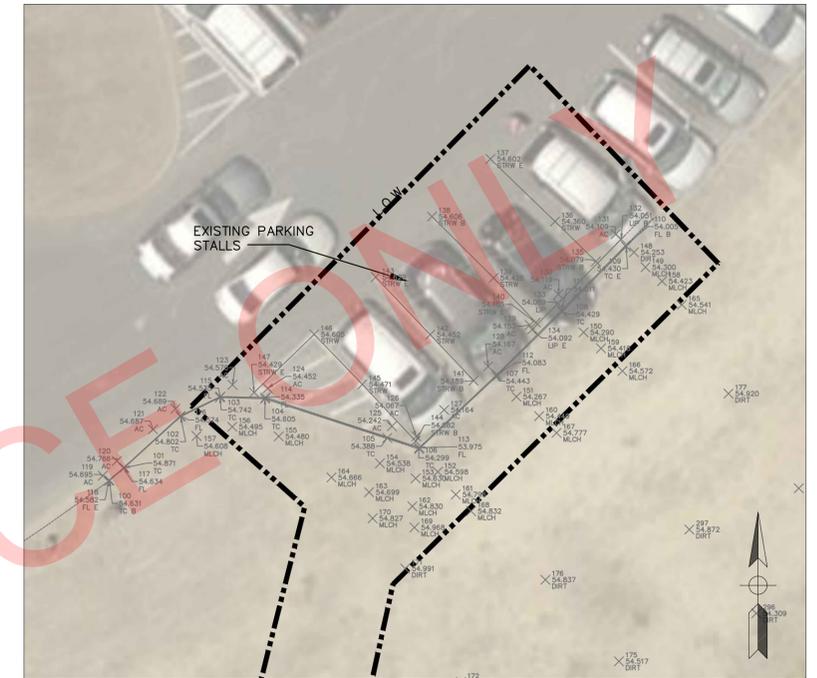


**DEMOLITION LEGEND:**

- (E) POINT ELEVATION
- (E) ELECTRICAL LINE
- LIMIT OF WORK
- (E) TREE

**NOTES**

1. AERIAL GRAPHIC IS FOR REFERENCE ONLY AND MAY NOT BE AN ACCURATE REPRESENTATION OF EXISTING CONDITIONS.



No.	DATE	REVISION	BY	APPD



STIVERS LAGOON OUTDOOR CLASSROOM  
EXISTING CONDITIONS PLAN  
PUBLIC WORKS DEPARTMENT

APPROVED -- SENIOR LANDSCAPE ARCHITECT  
*Mad Men*

DATE  
5/16/2019

RECOMMENDED -- PROJECT MANAGER  
*Coma Cha*

DATE  
5/16/2019

CITY PROJECT:  
PWC 8982

FEDERAL PROJECT:

DESIGNED BY:  
CC/TB

CHECKED BY:

DRAWN BY:  
CC

DATE:  
MAY 2019

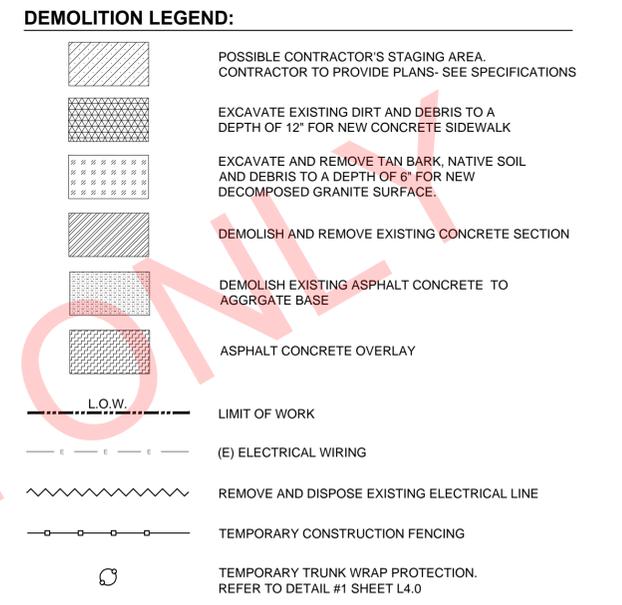
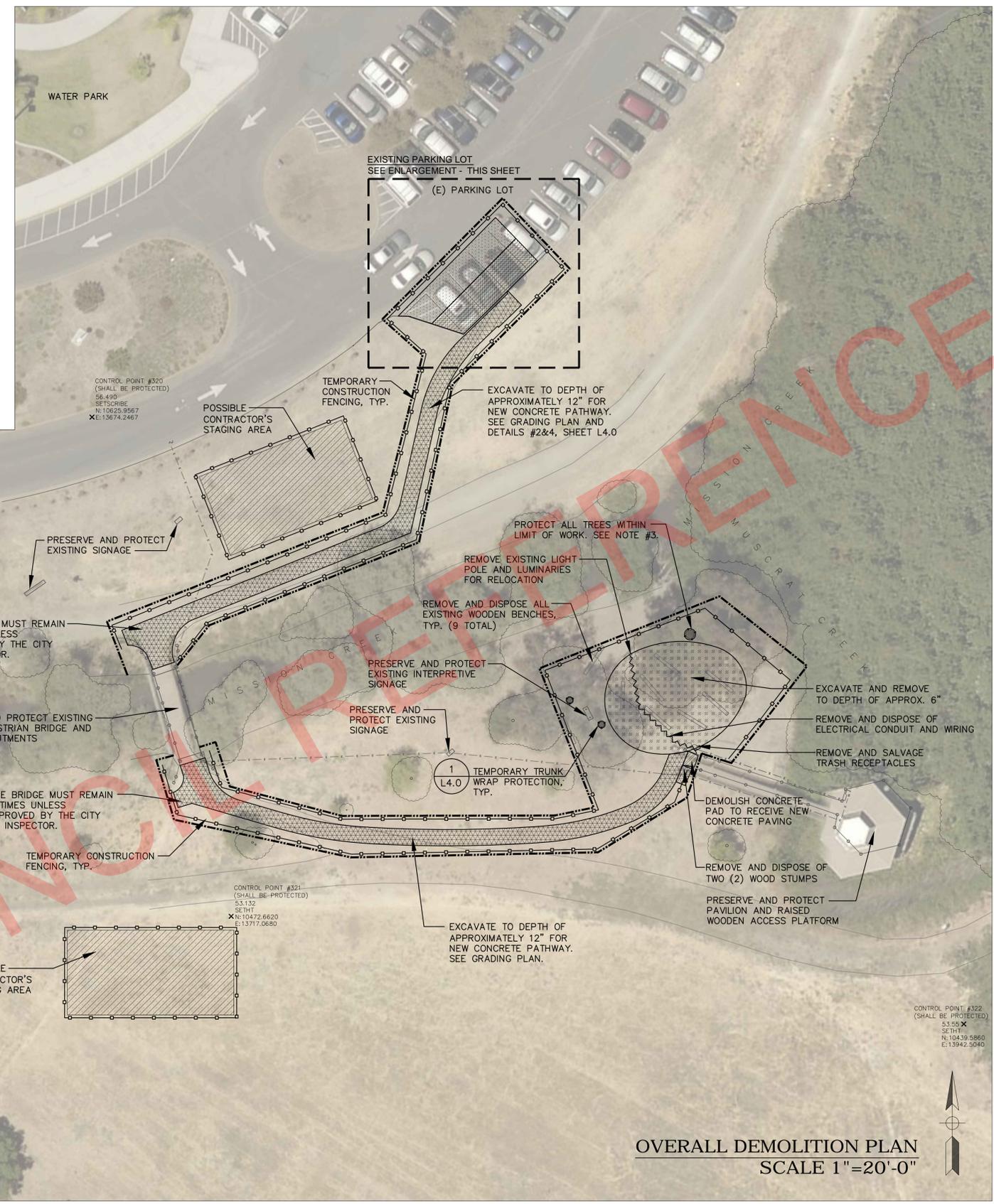
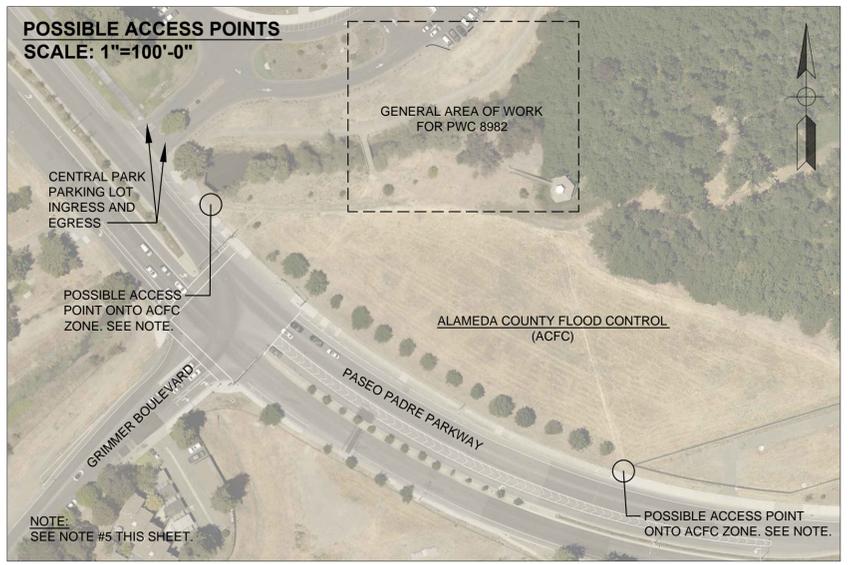
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AS SHOWN

0 |-----| 1'

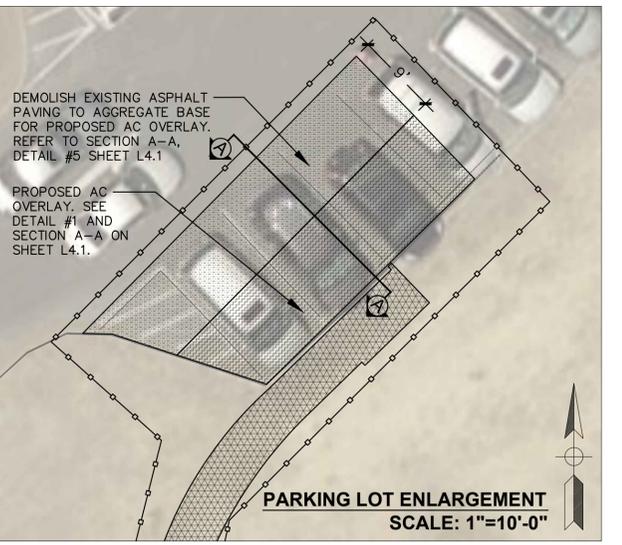
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DRAWING:  
**L1.0**

SHEET 6 OF 11



- NOTES:**
- AERIAL GRAPHIC IS FOR REFERENCE ONLY AND MAY NOT BE AN ACCURATE REPRESENTATION OF EXISTING CONDITIONS.
  - CONTROL POINTS ARE POINTS 320, 321, 322 AS SHOWN ON PLANS. CONTRACTOR SHALL PROTECT ALL CONTROL POINTS.
  - UNDER DRIP LINE OF ALL TREES WITHIN THE LIMIT OF WORK, ROUGH GRADING AND EXCAVATION FOR DECOMPOSED GRANITE PAVING SHALL BE HAND EXCAVATED OR VACUUM EXCAVATED TO ENSURE EXISTING TREE ROOTS ARE NOT DAMAGED DURING EXCAVATION. HAND EXCAVATION WILL ALLOW ROOTS TO BE ENCOUNTERED AND PROPERLY ADDRESSED WITH A CHANGE IN MOW BAND LAYOUT AT THAT LOCATION. REFER TO SECTION 01 53 00 FOR MORE INFORMATION.
  - CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) TO PREVENT DIRT, DEBRIS, AND CONSTRUCTION WASTE FROM STORM DRAINS AND LOCAL WATERWAYS SUCH AS THE ADJACENT CREEKS AS SHOWN ON PLANS. REFER TO SPECIFICATIONS SECTION 01 57 10 "TEMPORARY ENVIRONMENTAL CONTROLS" AND EROSION CONTROL PLAN FOR MORE INFORMATION.
  - FOR TEMPORARY ACCESS OVER EXISTING SIDEWALK, CURB & GUTTER ALONG THE CITY'S RIGHT-OF-WAY, THE CONTRACTOR SHALL PROVIDE A SUBMITTAL SHOWING A TEMPORARY CONCRETE PROTECTION PLAN FOR APPROVAL BEFORE ACCESS. ANY DAMAGE TO THE CITY'S RIGHT-OF-WAY IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - TREE PRUNING, ROOT PRUNING AND TRIMMING SHALL BE PERFORMED ONLY BY A CERTIFIED ARBORIST, OR CERTIFIED TREE WORKER, CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORISTS; IN COMPLIANCE WITH ISA OR ANSI STANDARDS. REFER TO SPECIFICATIONS SECTION 01 56 30 "TREE PRUNING AND ROOT PRUNING" FOR MORE INFORMATION.



REVIEWED BY:

*[Signature]* 5/20/19

FOR ACFC & WCD

No.	DATE	REVISION	BY	APPD



STIVERS LAGOON OUTDOOR CLASSROOM  
DEMOLITION PLAN

PUBLIC WORKS DEPARTMENT

DATE: 05/16/2019

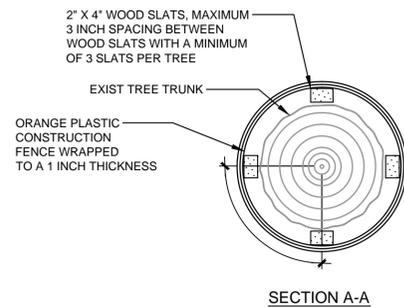
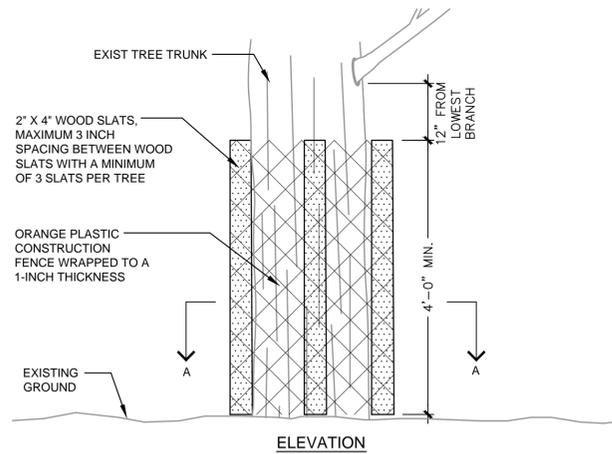
RECOMMENDED -- PROJECT MANAGER

*[Signature]*

DATE: 05/16/2019

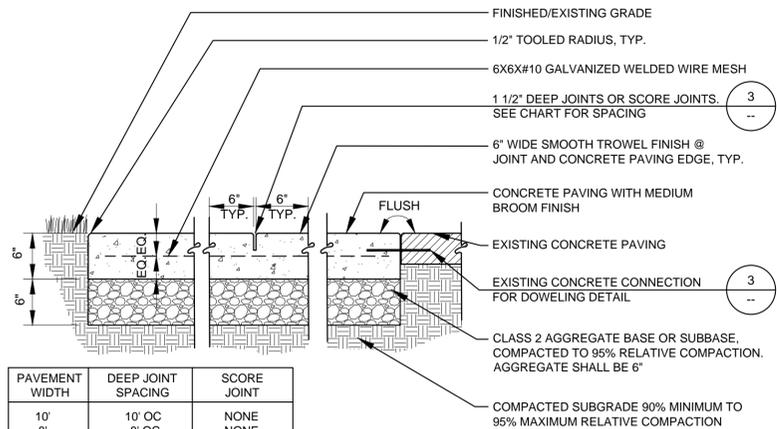
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DESIGNED BY:	CC/TB	CHECKED BY:			
DRAWN BY:	CC	DATE:	MAY 2019	SHEET 7 OF 11	





- NOTE:**
1. TEMPORARY TRUNK WRAP PROTECTION WILL BE APPLIED TO TREES REQUIRING PROTECTION.
  2. WRAP ORANGE PLASTIC CONSTRUCTION FENCE ON TOP OF WOOD SLATS WITH AN OVERLAP OF 12 INCHES AND TIE WITH WIRE. SEE SECTION BELOW.
  3. TEMPORARY TRUNK WRAP PROTECTION WILL BE ALLOWED ONLY BY APPROVAL FROM THE PROJECT LANDSCAPE ARCHITECT
  4. DAMAGE TO BRANCHES & ROOTS SUBJECT TO FINE UP TO APPRAISED VALUE OF THE TREE, PER CITY TREE PRESERVATION ORDINANCE (FMC 4-5100).
  5. REFER TO LSD-9 FOR ADDITIONAL TREE PRESERVATION REQUIREMENTS APPLICABLE TO THIS DETAIL.

**1 TEMPORARY TRUNK WRAP PROTECTION**  
SCALE: N.T.S.

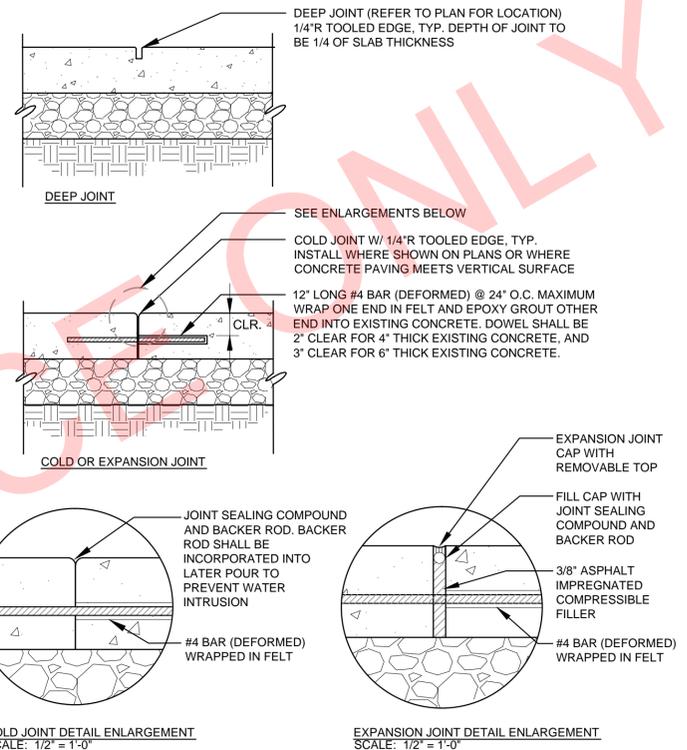


PAVEMENT WIDTH	DEEP JOINT SPACING	SCORE JOINT
10'	10' OC	NONE
8'	8' OC	NONE
6'	6' OC	NONE
5'	10' OC	YES*
4'	8' OC	YES*

\*ALL SCORE JOINTS SHALL BE MIDWAY BETWEEN DEEP JOINT SPACING.

- NOTES:**
1. MEDIUM BROOM FINISH PERPENDICULAR TO WALK DIRECTION UNLESS OTHERWISE SHOWN ON PLAN.
  2. CROSS SLOPE SHALL BE 1.8% WITH A TOLERANCE OF +/-0.2%, AND NOT EXCEEDING 2% OR FALLING UNDER 1.5%, UNLESS OUTSIDE PATH OF TRAVEL.
  3. REFER TO CHART FOR ON-CENTER SPACING OF DEEP JOINTS AND SCORE JOINTS, IF REQUIRED, THE ADJACENT CHART IS A RECOMMENDED GUIDE FOR JOINT PLACEMENT.
  4. ALL WELDED WIRE MESH IS TO BE PRE-SET. NO WET SETTING, HOOKING OR LIFTING OF MESH ALLOWED. MESH IS TO BE SET IN THE MIDDLE OF THE CONCRETE SECTION.
  5. SCORE JOINTS SHALL BE TOOLED. NO SAWCUTTING ALLOWED.
  6. SCORE JOINTS SHALL BE 1/4" WIDE x 1/2" DEEP.
  7. WITH THE APPROVAL OF THE CITY LANDSCAPE ARCHITECT, EXPANSION JOINTS MAY OCCUR AT THE JUNCTION BETWEEN FLAT AND VERTICAL CONCRETE SURFACES.
  8. PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVED SURFACES AND EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SUCH AS TO AVOID PUDDLING OF WATER.

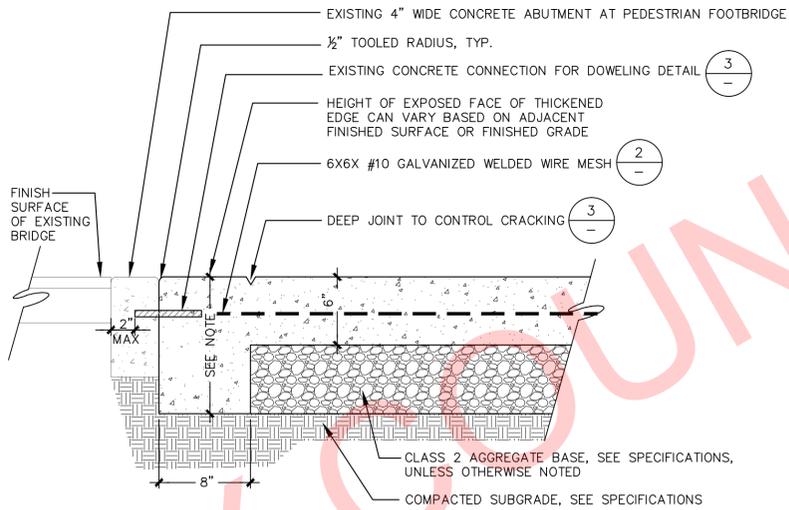
**2 CONCRETE PAVING**  
SCALE: 1" = 1'-0"



COLD JOINT DETAIL ENLARGEMENT  
SCALE: 1/2" = 1'-0"

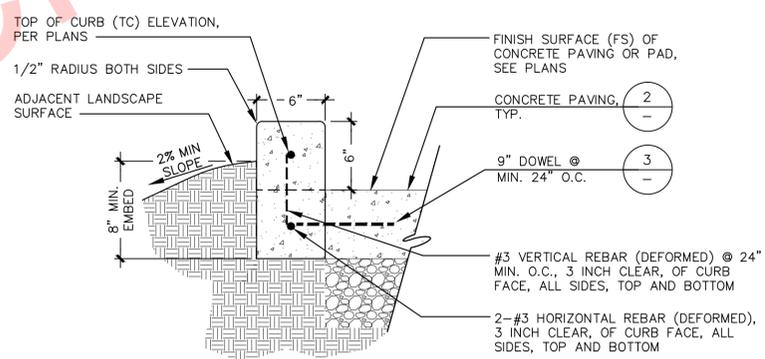
EXPANSION JOINT DETAIL ENLARGEMENT  
SCALE: 1/2" = 1'-0"

**3 CONCRETE JOINTS**  
SCALE: 1" = 1'-0"

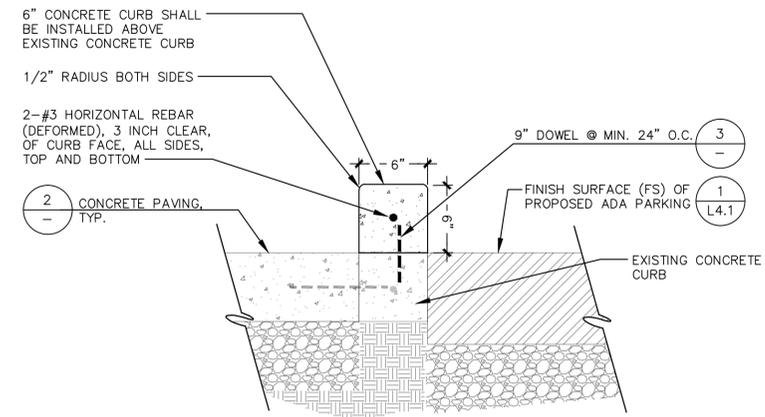


- NOTES:**
1. BOTTOM OF THICKENED EDGE SHALL BE SET TO ADJACENT SUBGRADE ELEVATION OR 12" MIN. DEPTH.

**4 CONCRETE PAVING WITH THICKENED EDGE AT BRIDGE ONLY**  
SCALE: NTS



**5 6" CONCRETE CURB**  
SCALE: NTS



**6 6" CONCRETE CURB ABOVE EXISTING CURB**  
SCALE: NTS

No.	DATE	REVISION	BY	APPD



APPROVED -- SENIOR LANDSCAPE ARCHITECT

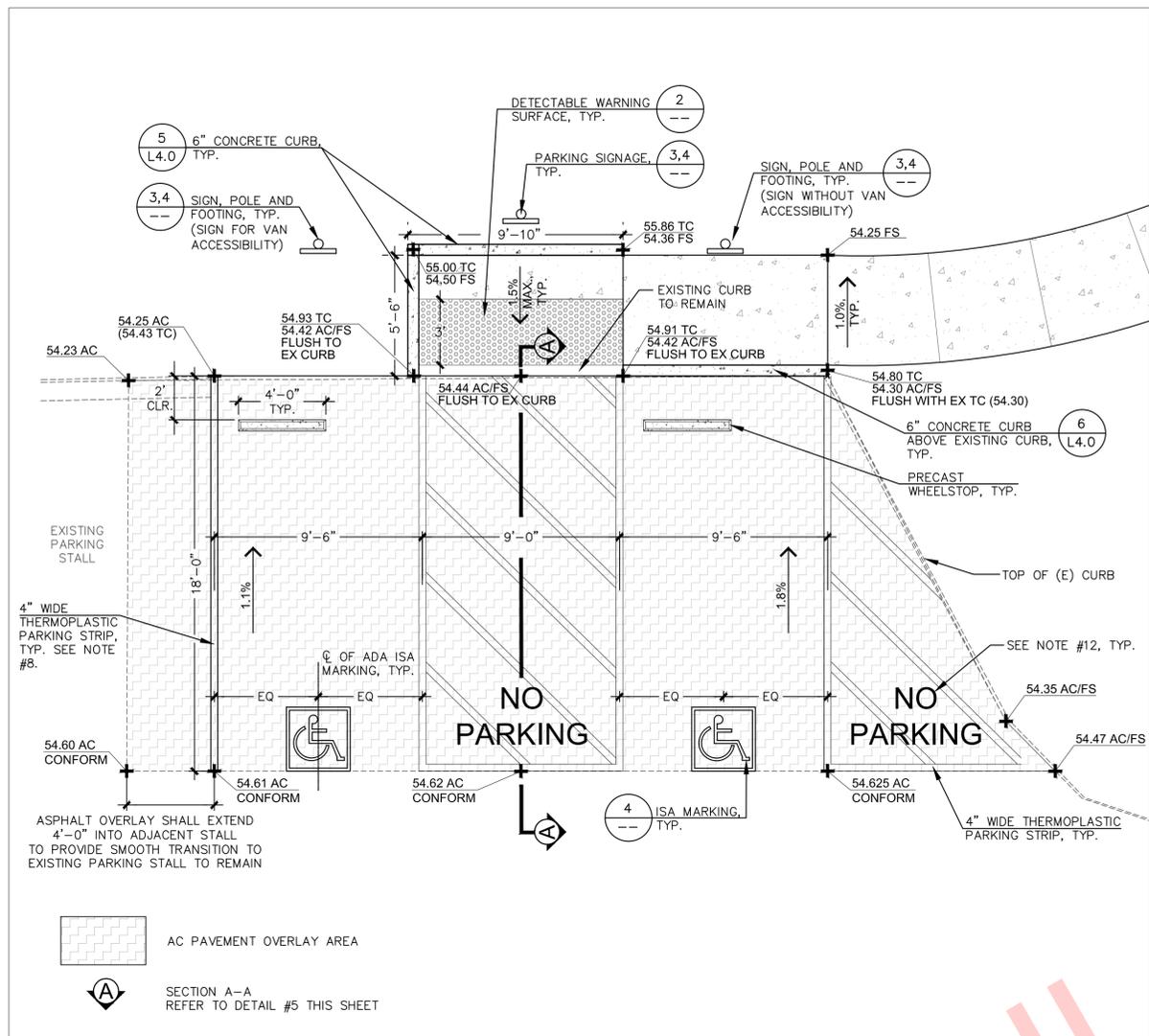
STIVERS LAGOON OUTDOOR CLASSROOM  
CONSTRUCTION DETAILS  
PUBLIC WORKS DEPARTMENT

DATE 5/16/2019 RECOMMENDED -- PROJECT MANAGER

CITY PROJECT: PWC 8982	
FEDERAL PROJECT:	
DESIGNED BY: CC/TB	CHECKED BY:
DRAWN BY: CC	DATE: MAY 2019

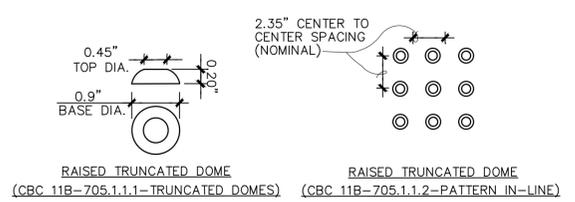
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SHEET 9 OF 11

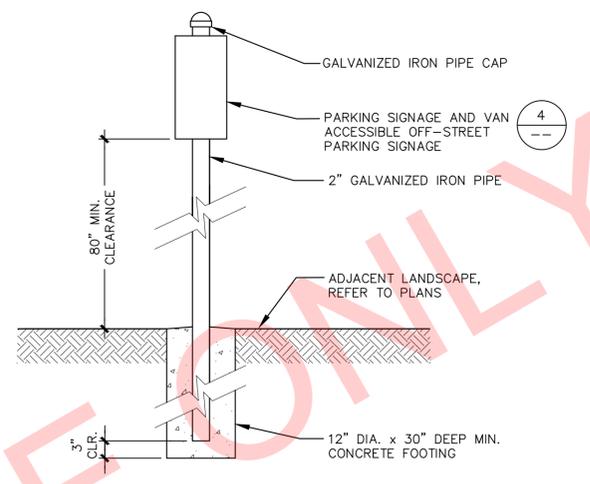


- NOTES:**
- CALIFORNIA BUILDING CODE (CBC) DIAGRAMS, REFERENCED AND DELINEATED HEREIN, ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THE CBC REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.
  - RAMP FLARES SLOPE AT A MAXIMUM OF 8.0% AT THE CONFORM WITH BACK OF CURB, THE FLARES AND CURB ARE FLUSH. (RAMP CASE C)
  - TRANSITIONS FROM RAMPS AND LANDING TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
  - MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5 PERCENT WITHIN 4'-0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
  - CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND SHALL EXTEND 36-INCHES OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK PER BUILDING CODE SECTION 11B-705.1.2.2. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN AND THE REQUIREMENTS IN THE SPECIAL PROVISION. (RAMP TYPE C)
  - CONCRETE SIDEWALK AND RAMP THICKNESS SHALL BE 6" MINIMUM.
  - UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP SHALL BE RELOCATED ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITHIN, CURB RAMP CONSTRUCTION.
  - DIMENSION OF ACCESSIBLE AISLE SHALL BE 8'-0" MINIMUM OR AS NOTED ON THE PLANS FOR VAN-ACCESSIBLE PARKING SPACE, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE (CBC 11B-502.3.4). 4" WIDE PAINTED BLUE STRIPES; TWO COATS AT 3'-0" O.C. AISLE SHALL BE 8'-0" IF ADJACENT STALL IS VAN ACCESSIBLE OR IF ACCESSIBLE SPACES ARE LOCATED ON BOTH SIDES OF THE AISLE.
  - PARKING SIGNAGE SHALL BE SERVED BY AN ACCESSIBLE AISLE AND SHALL BE VAN ACCESSIBLE. THE VAN ACCESSIBLE SIGN SHALL BE MOUNTED BELOW THE INTERNATIONAL PARKING SIGN. SEE DETAIL 4, THIS SHEET.
  - WHERE PARKING SIGNAGE IS INSTALLED, THE BOTTOM OF THE SIGN PANEL SHALL BE A MINIMUM OF 80" ABOVE THE SURROUNDING SURFACE (CBC 11B-502.6.3). SEE DETAIL #3, THIS SHEET.
  - UNAUTHORIZED VEHICLE PARKING SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE (OR AS NOTED ON PLANS) AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY (CBC 11B-502.8.2).
  - THE "NO PARKING" PAVEMENT MARKING SHALL BE PAINTED IN WHITE LETTERS IN MINIMUM 12" HIGH LETTERS AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS (CBC 11B-502.3.3).
  - SURFACE SLOPES OF ACCESSIBLE PARKING STALL SHALL BE AT THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 2% IN ANY DIRECTION.
  - REFER TO SPECIFICATION SECTION 02 50 00 "ASPHALT PAVING AND SURFACING" FOR MORE AC PAVING INFORMATION.

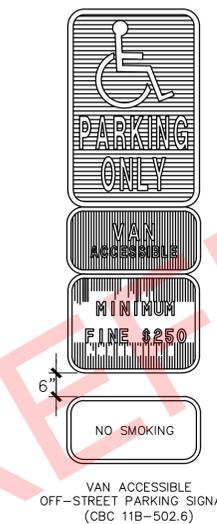
**1 ADA PARKING AND RAMP**  
SCALE: 1/4" = 1'-0"



**2 DETECTABLE WARNING SURFACE**  
N.T.S.



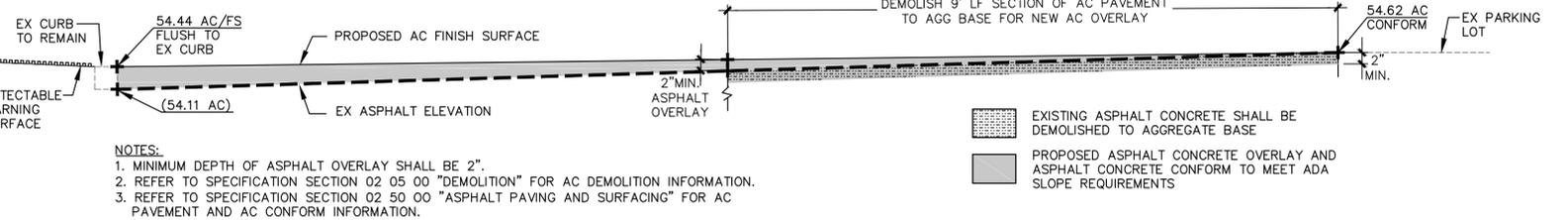
**3 SIGN, POLE AND FOOTING**  
SCALE: NTS



**4 ADA PARKING SIGNAGE AND STRIPING (PER CALIFORNIA BUILDING CODE)**  
N.T.S.



- NOTES:**
- ADD "NO SMOKING SIGN" PER ORDINANCE 23-2012 6-INCHES BELOW VAN ACCESSIBLE SIGN.
  - REFER TO SPECIFICATION SECTION 02 50 00 "ASPHALT PAVING AND SURFACING" FOR AC PAVING AND AC CONFORM INFORMATION.



**5 SECTION A-A: ASPHALT DEMOLITION AND PROPOSED OVERLAY**  
SCALE: 3/4" = 1'-0"

- NOTES:**
- MINIMUM DEPTH OF ASPHALT OVERLAY SHALL BE 2".
  - REFER TO SPECIFICATION SECTION 02 05 00 "DEMOLITION" FOR AC DEMOLITION INFORMATION.
  - REFER TO SPECIFICATION SECTION 02 50 00 "ASPHALT PAVING AND SURFACING" FOR AC PAVEMENT AND AC CONFORM INFORMATION.

No.	DATE	REVISION	BY	APPD

**CITY OF Fremont**

APPROVED - SENIOR LANDSCAPE ARCHITECT

**STIVERS LAGOON OUTDOOR CLASSROOM**

**CONSTRUCTION DETAILS**

**PUBLIC WORKS DEPARTMENT**

DATE: 5/16/2019

CITY PROJECT: PWC 8982

FEDERAL PROJECT:

DESIGNED BY: CC/TB

CHECKED BY:

DRAWN BY: CC

DATE: MAY 2019

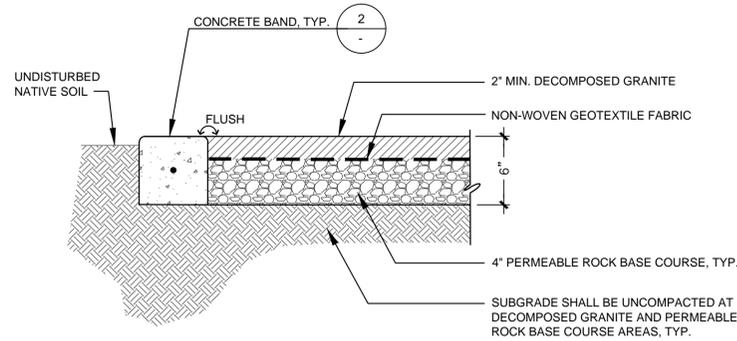
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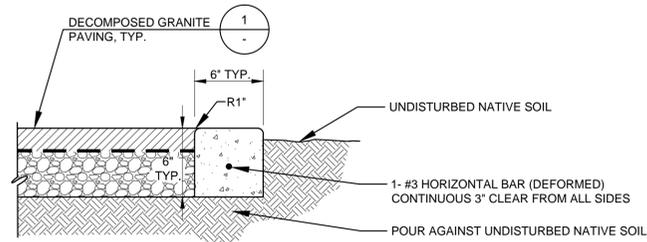
**L4.1**

SHEET 10 OF 11



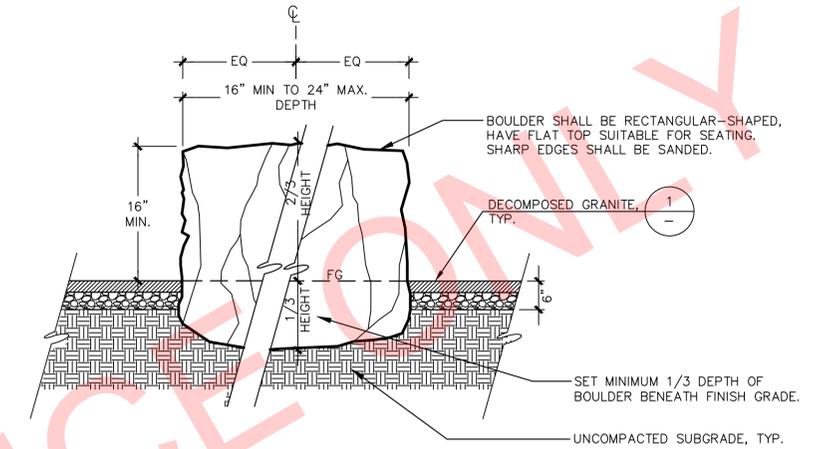
- NOTES:
1. CRUSHED GRAVEL PAVING (DECOMPOSED GRANITE) SHALL BE FLUSH WITH ADJACENT WALKING/ ACCESSIBLE SURFACE.
  2. CRUSHED GRAVEL PAVING (DECOMPOSED GRANITE) SHALL NOT BE INSTALLED ON SLOPES OF 3% OR GREATER.
  3. CRUSHED GRAVEL SCREENINGS SHALL BE FREE FROM CLAY LUMPS, VEGETATIVE MATTER, AND DELETERIOUS MATERIAL INCLUDING NOXIOUS WEED SEEDS.
  4. CRUSHED GRAVEL PAVING (DECOMPOSED GRANITE) SHALL BE GOLD IN COLOR.
  5. BINDER SHALL BE USED IN ALL CRUSHED GRAVEL PAVING (DECOMPOSED GRANITE) APPLICATIONS AND SHALL BE PRE-MIXED OFF SITE BY THE SUPPLIER.
  6. BINDER SHALL BE A PATENTED, NON-TOXIC ORGANIC BINDER THAT IS A COLORLESS AND ODORLESS CONCENTRATED POWDER THAT BINDS CRUSHED GRAVEL PAVING TO PRODUCE A FIRM SURFACE BUT HAS PERMEABILITY.

**1** DECOMPOSED GRANITE PAVING  
SCALE: 1 1/2" = 1'-0"



- NOTES:
1. CONCRETE TO BE 6 SACK MIX, 2500 PSI MIX, DARKENED WITH LAMP BLACK, 1 POUND PER CUBIC YARD.
  2. TOP OF MOW BAND TO BE FLUSH WITH ANY ADJACENT PAVING.
  3. PROVIDE DEEP JOINTS 10' O.C., AND SCORE JOINTS 5' O.C. MAXIMUM EXPANSION JOINT NOT REQUIRED. ALIGN WITH NEAREST ADJACENT PAVEMENT JOINTS WHERE POSSIBLE.
  4. CONCRETE FINISH: MEDIUM BROOM FINISH PERPENDICULAR TO LENGTH OF MOW BAND.

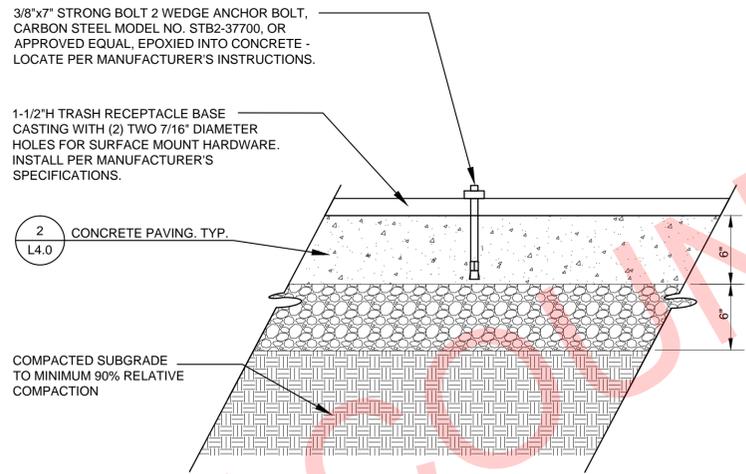
**2** 6" CONCRETE BAND  
SCALE: 1-1/2" = 1'-0"



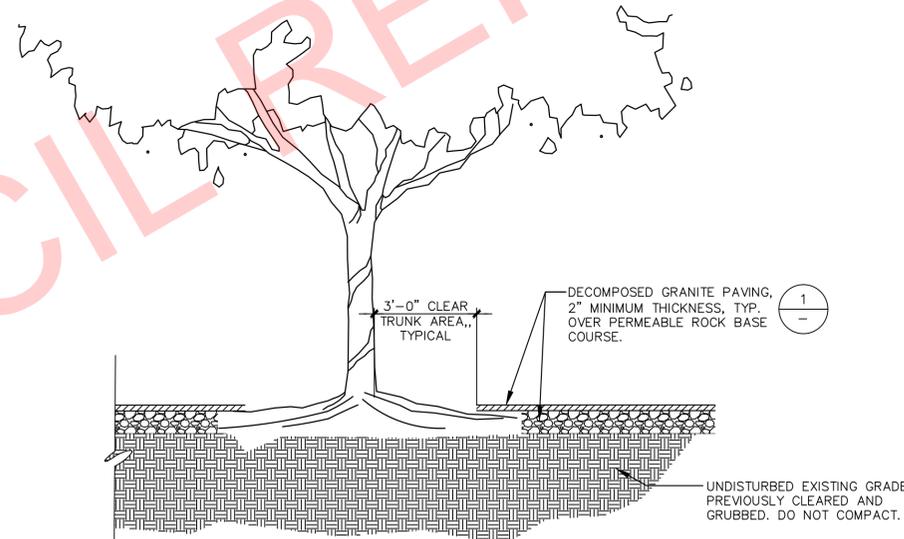
- NOTES:
1. REFER TO LAYOUT PLAN FOR LOCATIONS OF BOULDERS.
  2. REFER TO SPECIFICATIONS SECTION 04 41 50 "BOULDERS" FOR MORE INFORMATION.
  3. BOULDERS SHALL BE MC GREGOR LAKE BOULDERS OBTAINED FROM GRANITE ROCK, CONTACT: TERRI BAKER AT TBAKER@GRANITEROCK.COM; OR APPROVED EQUAL.
  4. BOULDERS SHALL NOT HAVE VISIBLE SCARS, FISSURES OR SCRATCHES, MUST HAVE A FLAT TOP SUITABLE FOR SEATING PURPOSES. SHARP EDGES MUST BE SANDED DOWN.

**3** BOULDERS  
SCALE: 3/4" = 1'-0"

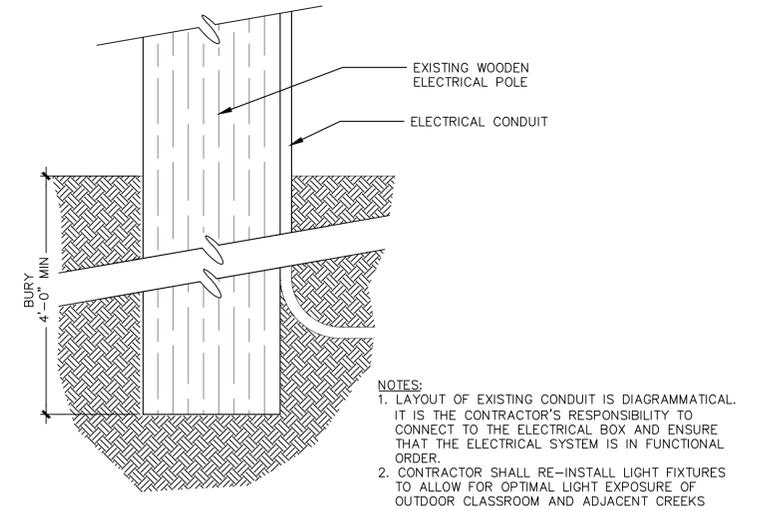
- NOTE:
1. FINAL LOCATION TO BE APPROVED BY CITY LANDSCAPE ARCHITECT.
  2. TRASH AND RECYCLE RECEPTACLES SHALL BE CITY-FURNISHED.



**4** SURFACE MOUNTED SITE FURNISHINGS  
SCALE: N.T.S.



**5** DECOMPOSED GRANITE AT EXISTING TREE TRUNK  
SCALE: N.T.S.



- NOTES:
1. LAYOUT OF EXISTING CONDUIT IS DIAGRAMMATICAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONNECT TO THE ELECTRICAL BOX AND ENSURE THAT THE ELECTRICAL SYSTEM IS IN FUNCTIONAL ORDER.
  2. CONTRACTOR SHALL RE-INSTALL LIGHT FIXTURES TO ALLOW FOR OPTIMAL LIGHT EXPOSURE OF OUTDOOR CLASSROOM AND ADJACENT CREEKS.

**6** RELOCATE ELECTRICAL POLE  
SCALE: 1" = 1'-0"

No.	DATE	REVISION	BY	APPD



STIVERS LAGOON OUTDOOR CLASSROOM  
CONSTRUCTION DETAILS  
PUBLIC WORKS DEPARTMENT

DATE: 5/16/2019  
RECOMMENDED - PROJECT MANAGER: [Signature]  
DATE: 5/16/2019

CITY PROJECT: PWC 8982  
FEDERAL PROJECT:  
DESIGNED BY: CC/TB  
CHECKED BY:  
DRAWN BY: CC  
DATE: MAY 2019

SCALE: AS SHOWN  
0 1" = 1'-0"  
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING: **L4.2**  
SHEET 11 OF 11