



ABBREVIATIONS			
AB	AGGREGATE BASE	MFR	MANUFACTURER
ANCH	ANCHOR	MATL	MATERIAL
APPROX	APPROXIMATELY	MAX	MAXIMUM
BGS	BELOW GROUND SURFACE	MIN	MINIMUM
BLDG	BUILDING	N	NORTH
BG	BELOW GRADE	(N)	NEW
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CBC	CALIFORNIA BUILDING CODE	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CONC	CONCRETE	OPNG	OPENING
CJ	CONSTRUCTION JOINT	OPP	OPPOSITE
DI	DRAIN INLET	OD	ODSIDE DIAMETER
DIA	DIAMETER	PCC	PORTLAND CEMENT CONCRETE
DN	DOWN	PVMNT	PAVEMENT
DW	DOMESTIC WATER	R	RADIUS
DWG	DRAWING	REF	REFERENCE
EA	EACH	RC	RELATIVE COMPACTION
EF	EACH FACE	S	SLOPE
EW	EACH WAY	SD	STORM DRAIN
EQ	EQUAL	SDCO	STORM DRAIN CLEAN OUT
(E), EXST	EXISTING	SS	SANITARY SEWER
EXT	EXTERIOR	SW	STORMWATER
EXP.	EXPANSION	SPEC	SPECIFICATION
FF	FINISHED FLOOR	STD	STANDARD
FG	FINISHED GRADE	STL	STEEL
FTG	FOOTING	SYMM	SYMMETRICAL
FDN	FOUNDATION	TOC	TOP OF CONCRETE
FL	FLOW LINE	TOS	TOP OF STEEL
G	GAS	TC	TOP OF CURB
GA	GAGE	TD	TRENCH DRAIN
GB	GRADE BREAK	TG	TOP OF GRATE
HDPE	HIGH DENSITY POLETHLENE	TP	TOP OF PAVEMENT
HORIZ	HORIZONTAL	TYP	TYPICAL
IW	INDUSTRIAL WASTE	TOT	TOTAL
INV	INVERT	UON	UNLESS OTHERWISE NOTED
JT	JOINT	UST	UNDERGROUND STORAGE TANK
LF L.F.	LINEAR FEET	W/	WITH
LONG	LONGITUDINAL	WWM	WELDED WIRE MESH REINF.

APPLICABLE CODES	
2016 CALIFORNIA BUILDING CODE	
2016 CALIFORNIA PLUMBING CODE	
2016 CALIFORNIA MECHANICAL CODE	
2016 CALIFORNIA ELECTRICAL CODE	
2016 CALIFORNIA ENERGY CODE	
2016 CALIFORNIA GREEN BUILDING CODE	

SITE INFORMATION	
SITE NAME:	POINT RICHMOND BUS STOP
SITE ADDRESS:	TEWKSBURY AVENUE & CASTRO STREET POINT RICHMOND, CA
AREA:	675 SQ. FT.

BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED UPON SMARTNET NORTH AMERICA CORS "CADY", ELEVATION 95.64 FEET (NAVD 88).

BASIS OF BEARINGS
<p>THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.</p>



IMPORTANT NOTICE


SECTION 4216/4217 OF THE GOVERNMENT CODE
REQUIRES A DIGALERT IDENTIFICATION NUMBER
BE ISSUED BEFORE A "PERMIT TO EXCAVATE"
WILL BE VALID. FOR YOUR DIGALERT I.D.
NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-642-2444 TWO WORKING
DAYS BEFORE YOU DIG


DRAWING INDEX		
<u>SHEET</u>	<u>DWG. NO.</u>	<u>SHEET TITLE</u>
1	C0-TITLE SHEET	
2	C1-GENERAL NOTES	
3	C2-EXISTING CONDITIONS SURVEY	
4	C3-DEMOLITION PLAN	
5	C4-SITE PLAN	
6	C5-UTILITY PLAN	
7	C6-BLDG. FOUNDATION PLAN & DETAILS	
8	C7-BLDG. FLOOR PLAN & SCHEDULES	
9	SD1-STANDARD UTILITY DETAILS	

SCOPE OF PROJECT

THESE PLANS ARE FOR SITE IMPROVEMENTS AND PROVISION AND INSTALLATION OF A PREMANUFACTURED RESTROOM BUILDING AS MANUFACTURED BY THE PUBLIC RESTROOM COMPANY (OR APPROVED EQUAL), INCLUDING ALL PERMITS, NEW UTILITIES AND ALL NEW TRENCHES, PULL BOXES AND SERVICE CONNECTIONS, INCLUDING SEWER, WATER, ELECTRICAL AND TWO EACH, COMMUNICATION MICROFIBER LINES, CONCRETE FOUNDATIONS, SIDEWALK AND FLATWORK AND STRUCTURAL CONCRETE AS SHOWN ON THE PLANS INCLUDING BUT NOT LIMITED TO BUILDING FOUNDATION AND A PAD FOR FUTURE BIKE LOCKERS (LOCKERS TO BE INSTALLED BY OTHERS).

[illegible]

 CHOW ENGINEERING, INC.
7770 PARDEE LANE, SUITE 100
OAKLAND, CA 94621
Phone: (510) 638-8600 Fax: (510) 638-8644
Web: www.choweng.com E-Mail: info@choweng.com

DRAWING TITLE: TITLE SHEET OPERATOR RESTROOM CASTRO ST. & TEWKSBURY AVE.	 OWNER: AC TRANSIT 1600 FRANKLIN ST. OAKLAND, CA 94612
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[illegible]

1. ALL WORK SHALL BE IN COMPLIANCE WITH THE 2016 CALIFORNIA BUILDING CODE, 2016 CALIFORNIA FIRE CODE, 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA ELECTRICAL CODE, 2016 CALIFORNIA PLUMBING CODE, AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
2. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
3. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS. INCLUDING CONDITIONS FOR GRADING, DRAINAGE AND UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL PROJECT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS WITH CODE REQUIREMENTS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR IN CONFLICT WITH ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.
6. ANY DEVIATION, SUBSTITUTION OR ALTERATION TO THE DESIGN SHALL BE SUBJECT TO REVIEW BY THE ENGINEER.
7. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UTILITY INFORMATION SHOWN HAS BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORDS DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES WHETHER SHOWN OR NOT ON THESE PLANS.
8. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO EXISTING FACILITIES OCCURRING DURING THE COURSE OF DEMOLITION, EXCAVATION, OR CONSTRUCTION, WHETHER RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS, WHETHER OR NOT SHOWN ON THESE DRAWINGS, WITHOUT ADDITIONAL COST TO THE OWNER.
9. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE APPLIED, SUBJECT TO REVIEW BY THE ENGINEER.
11. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, THE CONTRACTOR SHALL PAY FOR ALL OF THE WORK TO OBTAIN AND TO COMPLY WITH ALL PERMIT REQUIREMENTS. THE DISTRICT WILL REIMBURSE THE CONTRACTOR FOR THE PERMIT FEES ONLY.
12. THE CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO THE OWNER (AC TRANSIT) UPON COMPLETION OF WORK. RETENTIONS SHALL NOT BE RELEASED PRIOR TO THE CONTRACTOR'S SUBMITTAL OF APPROVED "AS-BUILTS".
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TREE ON THE WEST SIDE OF THE RESTROOM STRUCTURE. EXCAVATIONS FOR CONCRETE FOOTINGS, SLABS, AND FOUNDATIONS SHALL BE HAND DUG IN THE VICINITY OF THE TREE. ROOTS THAT ARE EXPOSED SHALL BE EXPOSED AND PROTECTED IN PLACE AND THE ENGINEER NOTIFIED IF ANY ROOTS ARE IN CONFLICT WITH ANY ELEMENT OF THE PROJECT. TRENCHING FOR UTILITIES MAY NOT BE MADE WITHIN THE DRIPLINE OF THIS TREE.

1. FIRE EXTINGUISHER: THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PORTABLE FIRE EXTINGUISHER OF THE TYPE SIZE PROVIDED BY THE FIRE DEPARTMENT FIELD INSPECTOR AT THE JOB SITE THROUGHOUT CONSTRUCTION.
2. NO HAZARDOUS MATERIALS: NO HAZARDOUS CHEMICALS OR MATERIALS SHALL BE USED OR STORED IN THIS AREA OR ADJACENT AREAS TO THIS PROJECT.
3. COMPLY W/DRAWINGS: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE, SUPERVISE, AND COMMUNICATE WITH THE ENGINEER, OWNER, AND SUBCONTRACTORS ALL WORK TO INSURE CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS.
4. HOT WORK: PRIOR WRITTEN APPROVAL AND HOT WORK PERMIT FOR ALL FIELD WELDING IS REQUIRED.
5. RIGGING: ALL RIGGING SHALL BE SCHEDULED, COORDINATED, AND HAVE PRIOR APPROVAL FROM OWNER (AC TRANSIT).
6. SITE CLEANLINESS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY REMOVAL AND LEGAL DISPOSAL OF ALL DEMOLITION SPOILS AND REMOVED MATERIALS. THE CONTRACTOR MAY NOT STOCKPILE OR STORE ANY NEW OR REMOVED MATERIAL ON SITE.
7. COMPACTION (MIN): ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED SHALL BE COMPACTED TO NOT LESS THAN 95% PERCENT OF MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D1557. ALL BACKFILL SHALL BE 100% VIRGIN CLASS 2 AB COMPACTED TO 95% IN ACCORDANCE WITH THE ASTM D1557.
8. FIELD DENSITY: SHALL BE DETERMINED BY NUCLEAR GAUGE OR DRIVE CYLINDER METHOD. IN FINE-GRAINED COHESIVE SOILS, FIELD DENSITY MAY BE DETERMINED BY THE DRIVE-CYLINDER METHOD, A.S.T.M. D2937-71, THE METHOD OF DETERMINING FIELD DENSITY SHALL BE SHOWN IN THE COMPACTION REPORT. OTHER METHODS MAY BE USED IF RECOMMENDED BY THE SOIL ENGINEER AND APPROVED IN ADVANCE BY BUILDING OFFICIAL.
9. SAWCUT REMOVALS: ALL PAVEMENT AND CONCRETE REMOVALS SHALL BE SAWCUT.
10. ADJUST (E) TO (F.G.): EXISTING SLABS, CURBS, GUTTERS AND ASPHALT & CONCRETE PAVEMENT WITHIN THE LIMITS OF NEW CONSTRUCTION SHALL BE ADJUSTED TO FINAL GRADE, UNLESS INDICATED OTHERWISE.
11. CONCRETE CURBS, GUTTERS AND SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 303-5.4 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" UNLESS INDICATED OTHERWISE.
12. CONSTRUCTION DUST CONTROL: MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH CITY'S DUST CONTROL ORDINANCE. GRADING WILL BE DISCONTINUED DURING FIRST-STAGE SMOG, DURING CONSTRUCTION, DUST CONTROL ALERTS AND SUSPENDED DURING PERIODS OF HIGH WIND, I.E. OVER 15 MPH ALL HAULING TRUCKS SHALL HAVE LOADS COVERED OR WETTED AND LOADED BELOW THE SIDEBOARD LEVEL TO MINIMIZE DUST.

1. ANY INSPECTIONS, SPECIAL OR OTHERWISE, THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR THESE PLANS, SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY. JOB SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE, OR SUBSTITUTE, INSPECTIONS UNLESS SPECIFICALLY CONTRACTED FOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL SPECIAL INSPECTIONS REQUIRED BY THE STATE AND LOCAL AGENCIES AS STATED IN THE 2016 CBC SECTION 1704.

BACK FILL:

A. AGGREGATE BASE:

- *95% RELATIVE COMPACTION, PLACEMENT IN 8" LIFTS
- *90% PASSING NO. 4 SIEVE AND LESS THAN 5% PASSING NO. 200 SIEVE.

B. LEAN CONCRETE MIX:

- * MIN OF 188 LBS OF PORTLAND CEMENT PER CY
- * WATER CONTENT SUFFICIENT TO PRODUCE A FLUID, WORKABLE MIX THAT WILL FLOW AND CAN BE PUMPED WITHOUT SEGREGATION OF THE AGGREGATE DURING PLACEMENT.

AGGREGATE BASE: 100 % VIRGIN CLASS II AGGREGATE BASE 95% MIN COMPACTION

WELDING: AWS D1.1 SPECIFICATIONS. E-70XX ELECTRODES

REINFORCING BARS: ASTM A615 OR A615M GRADE 60, DEFORMED

CONCRETE:

READY MIX OR PROJECT-SITE MIXING: ASTM C 94.

PORTLAND CEMENT: ASTM C 150, TYPE 1 OR II.

MIN 594 LBS OF PORTLAND CEMENT PER CY

28-DAY ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI

AGGREGATE: ASTM C 33, UNIFORM GRADATION, $\frac{3}{4}$ " MAXIMUM AGGREGATE.

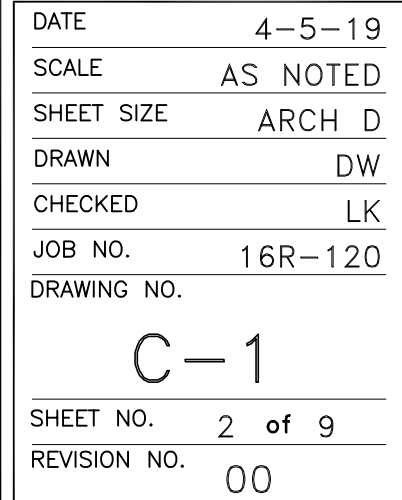
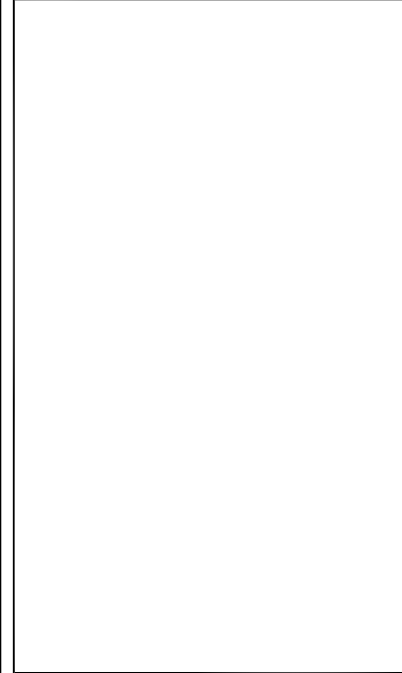
WATER: ASTM C 94

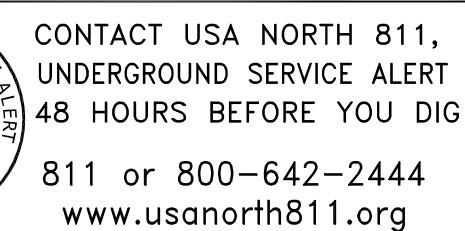
CURING COMPOUND: ASTM C 309

ADMIXTURES: ASTM C 494

1. CONTRACTOR IS TO FURNISH AND INSTALL THE PREENGINEERED AND PREMANUFACTURED RESTROOM BUILDING AS SHOWN IN THESE PLANS AND PER THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND CALCULATIONS STAMPED BY A ARCHITECT OR CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
2. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR PROVIDING THE PRE-MANUFACTURED RESTROOM STRUCTURE INCLUDING ALL ELEMENTS, DETAILS, APPURTENANCES, INCLUDING THE PREPARATION AND SUBMITTAL OF A COMPLETE DEFERRED SUBMITTAL TO THE CITY OF RICHMOND FOR THE PRE-MANUFACTURED RESTROOM STRUCTURE INCLUDING ALL ELEMENTS, UTILITIES, DETAILS AND APPURTENANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL PRIOR TO THE INSTALLATION OF THE STRUCTURE.

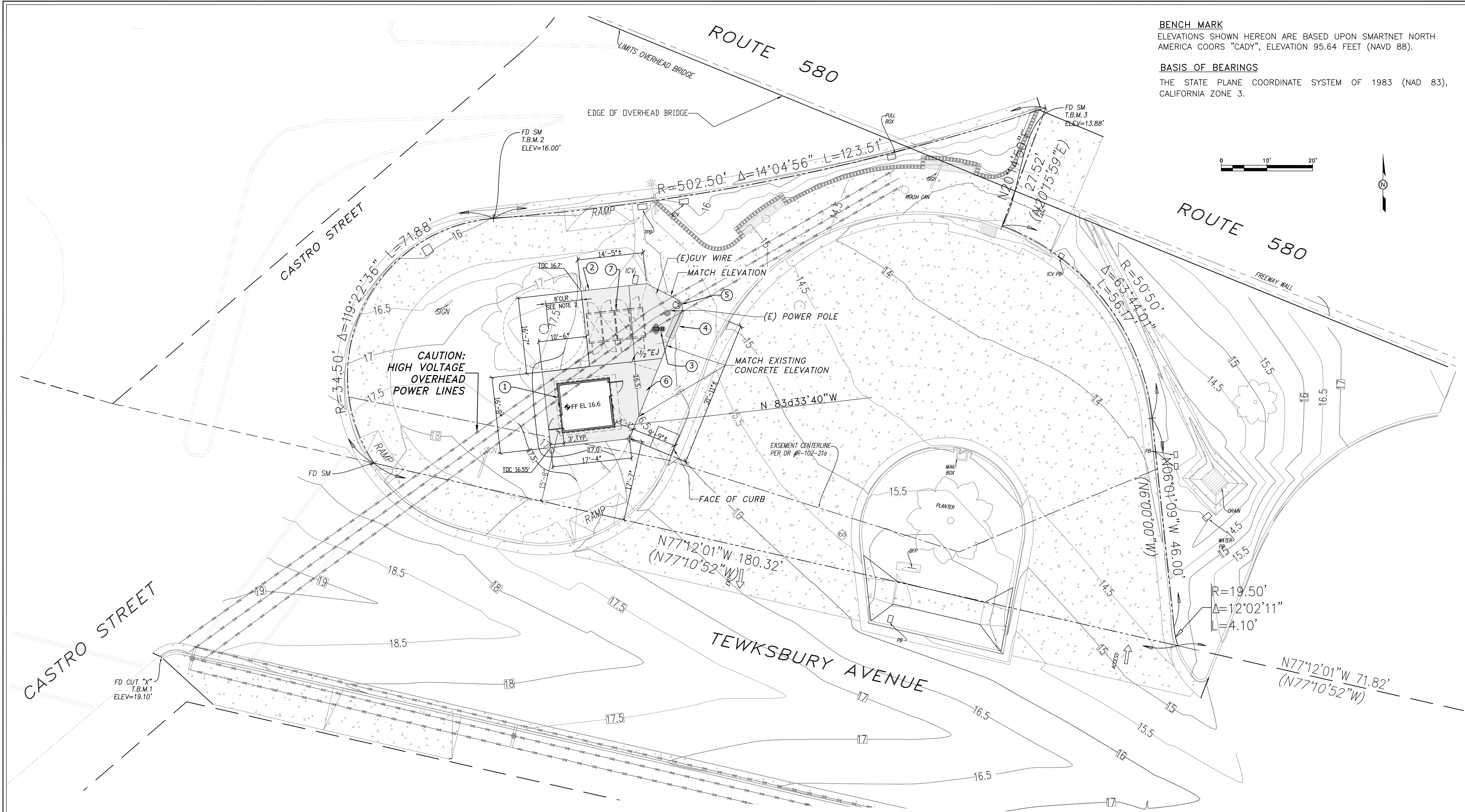
1. SAW CUT AND DEMO SLAB. EXCAVATE SOIL TO DEPTH SHOWN ON THE PLANS. SCARIFY SUBBASE AND COMPACT TO 95%.
2. BACKFILL AS NECESSARY WITH AGGREGATE BASE. PLACE BASE AND COMPACT TO 95%. FORM AND POUR FOOTING FOR PREMANUFACTURED BUILDING. PROVIDE LEVELING SAND BASE BELOW THE BUILDING FOUNDATION SLAB. STOCKPILE EXTRA SAND FOR THE MANUFACTURER'S USE DURING INSTALLATION.
3. CONTRACTOR TO PREPARE SITE FOR CRANE AND RIGGING FOR LIFTING AND SETTING OF THE BUILDING. CONTRACTOR TO TRENCH AND INSTALL UTILITIES FROM THE UTILITY SERVICE CONNECTION TO THE POC SHOWN ON THE UTILITY DRAWING (APPROXIMATELY 5 FOOT FROM THE BUILDING).
4. PLACE CONCRETE SIDEWALK AROUND THE RESTROOM BUILDING AND SLAB FOR BIKE LOCKERS. CONCRETE PLACEMENT TO COMPLY WITH ACI 304R FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE.
 - CONSOLIDATE CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT.
 - SCREED AND INITIAL FLOAT CONCRETE SURFACES USING BULL FLOATS OR DARBIES BEFORE EXCESS MOISTURE OR BLEED WATER APPEARS ON THE SURFACE.
5. CURING CONCRETE:
 - BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM THE CONCRETE SURFACE.
 - CURE FOR AT LEAST 7 DAYS BY CONTINUOUS MOIST CURING, MOISTURE RETAINING-COVER CURING, OR CURING COMPOUND.
 - CURING COMPOUND SHALL BE PROTECTED FROM DAMAGE FOR THE FULL 7 DAY CURE TIME.
 - HI-EARLY STRENGTH CONCRETE SHALL BE CURED FOR AT LEAST 3 DAYS.





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DRAWING NO.	C-3
SHEET NO.	4 of 9
REVISION NO.	00

DATE: 3/19/2019 6:10 PM 16R-120-01-10-C3.dwg



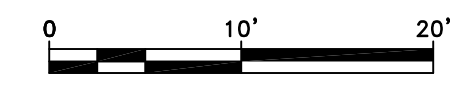
- KEY NOTES**
- 1 FURNISH AND INSTALL PREMANUFACTURED RESTROOM BUILDING
 - 2 4" CONCRETE SLAB (FOR FUTURE BIKE LOCKERS BY OTHERS) (BIKE LOCKERS N.I.C.)
 - 3 FURNISH AND INSTALL POST, FOUNDATION, AND LUMINAIRE (POST MOUNTED)
 - 4 RELOCATE PARK BENCH (STORE AND REFURBISHED)
 - 5 NEW TRASH RECEPTACLE BY CITY OF RICHMOND (N.I.C.)
 - 6 CONCRETE SIDEWALK/ SLAB, SEE NOTE 1
 - 7 BIKE LOCKERS BY OTHERS (N.I.C.)

- LEGEND**
- 4" THICK CONCRETE SLAB ON GRADE W/ #4 @ 18" O.C. E.W. CNTR'D W/ 4" MIN THICKNESS CLASS II AGGREGATE BASE
 - 15.0 EXISTING CONTOURS
 - 16.0 NEW CONTOURS
 - 0.00 FINAL GRADE ELEVATION

- NOTES**
- 1. CONTROL JOINTS TO BE SAWED OR GROOVED PER SPECIFICATIONS. MATCH EXISTING JOINT LINES AND SIZE OF ADJACENT SIDEWALK AREA PANELS.
 - 2. EDGE OF NEW CONCRETE TO BE MIN OF 8' FROM EXISTING TREE TRUNK.

BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED UPON SMARTNET NORTH AMERICA COORS "CADY", ELEVATION 95.64 FEET (NAVD 88).

BASIS OF BEARINGS
THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.



1 SITE PLAN
Scale: 1"=10'



CONTACT USA NORTH 811,
UNDERGROUND SERVICE ALERT
48 HOURS BEFORE YOU DIG
811 or 800-642-2444
www.usanorth811.org

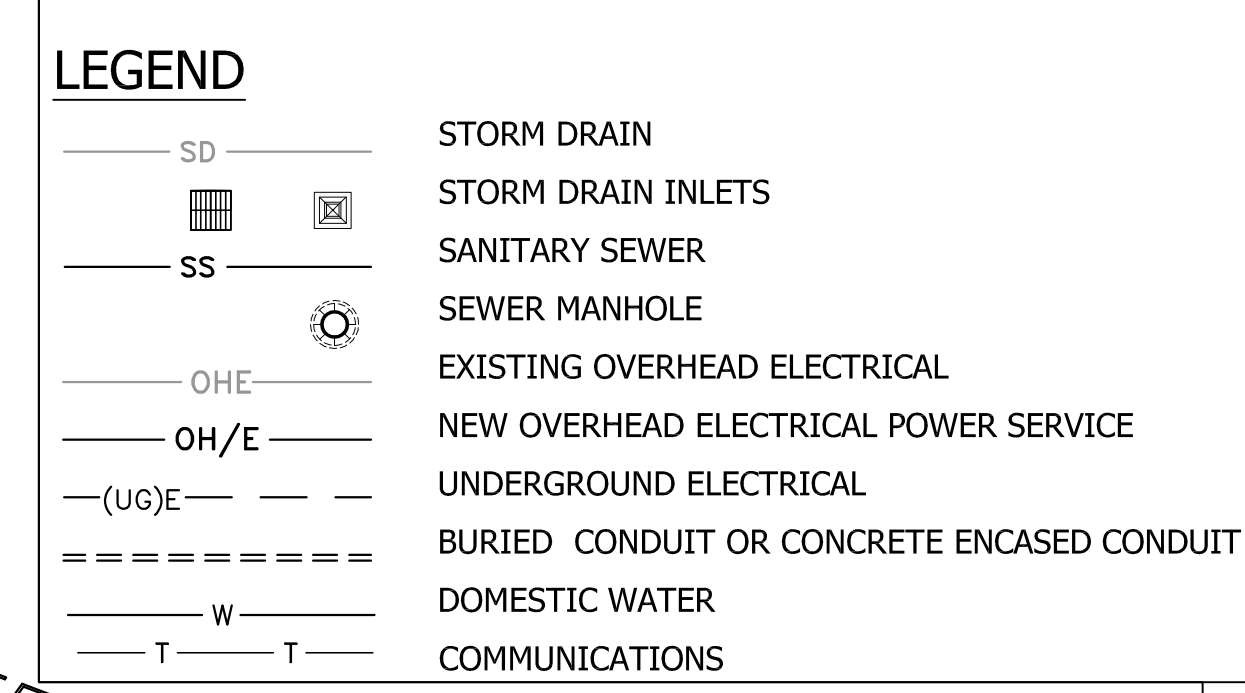
REVISIONS	BY	DATE

CHOW ENGINEERING, INC.
7770 PARDEE LANE, SUITE 100
OAKLAND, CA 94621
Phone: (510) 636-8500 Fax: (510) 636-8544
Web: www.choweng.com E-Mail: info@choweng.com

AC TRANSIT
1600 FRANKLIN ST.
OAKLAND, CA 94612

OPERATOR RESTROOM
CASTRO ST. & TEWKSBURY AVE.

DATE	4-5-19
SCALE	AS NOTED
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- NOTES:

-
- 0 10' 20'



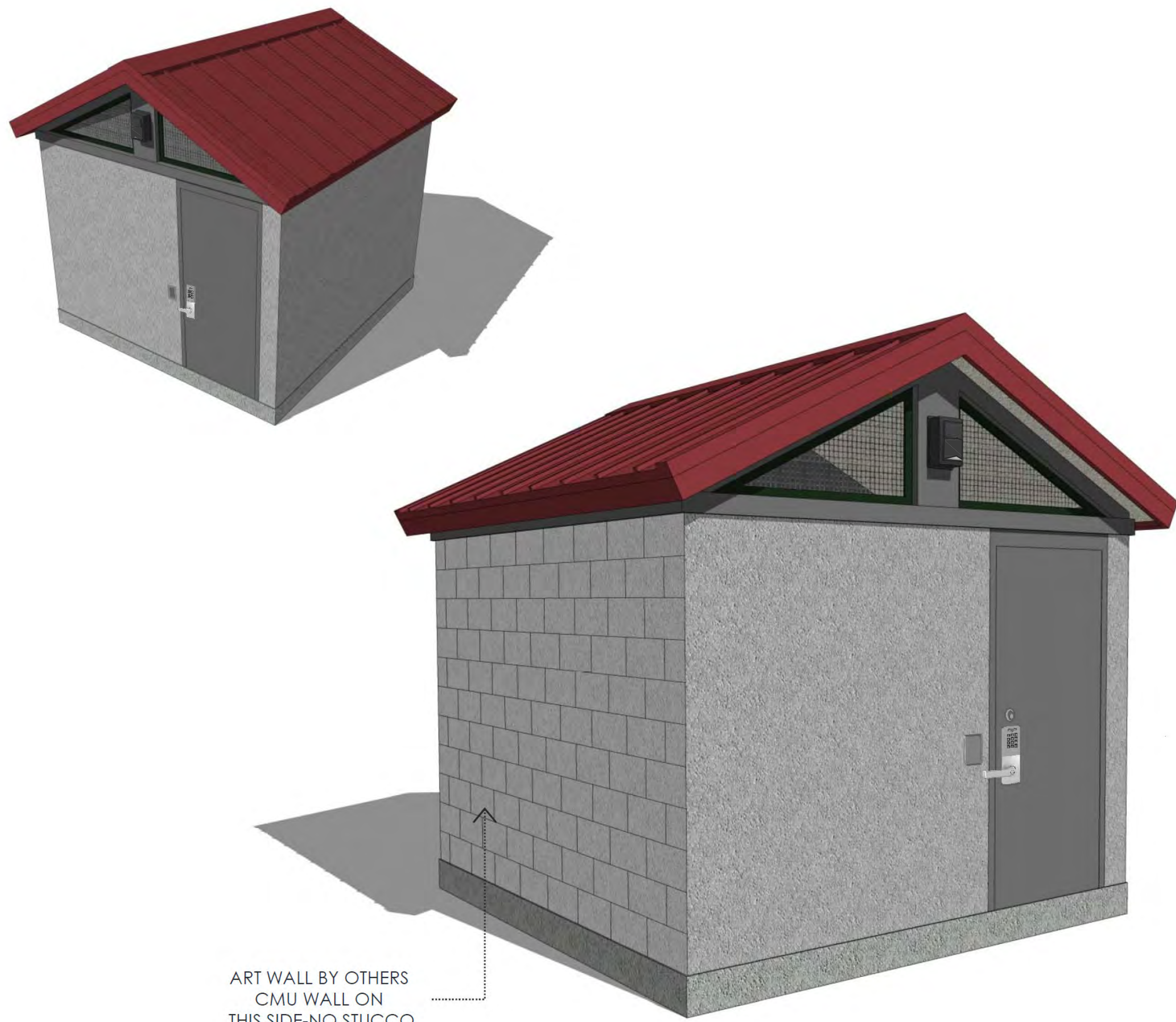
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 CHOW ENGINEERING, INC.
77770 PARDEE LANE, SUITE 100
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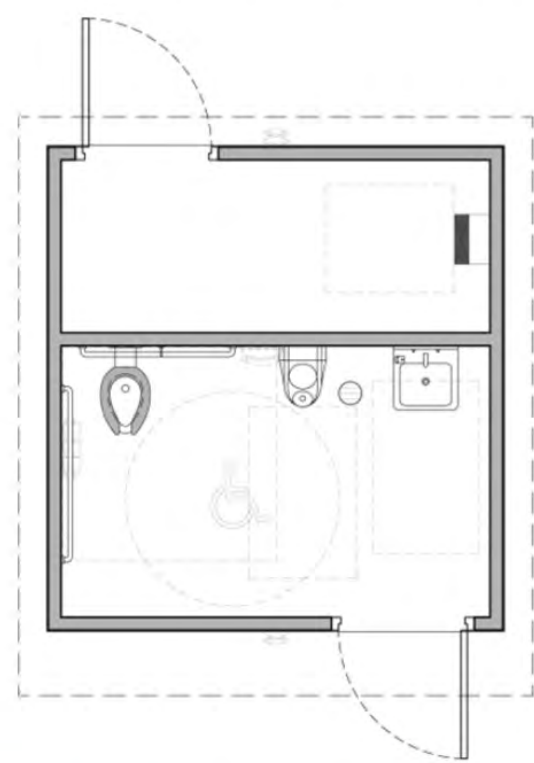
DRAWING TITLE: UTILITY PLAN OPERATOR RESTROOM CASTRO ST. & TEWKSBURY AVE.	OWNER: AC TRANSIT 1600 FRANKLIN ST. OAKLAND, CA 94612
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STAMP	
DATE 4-5-19	
SCALE	AS NOTED
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SHEET NO.	6 of 9
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A.C. TRANSIT
ALAMEDA, CALIFORNIA

PROJECT REF#: 9828-4/10/2018-5



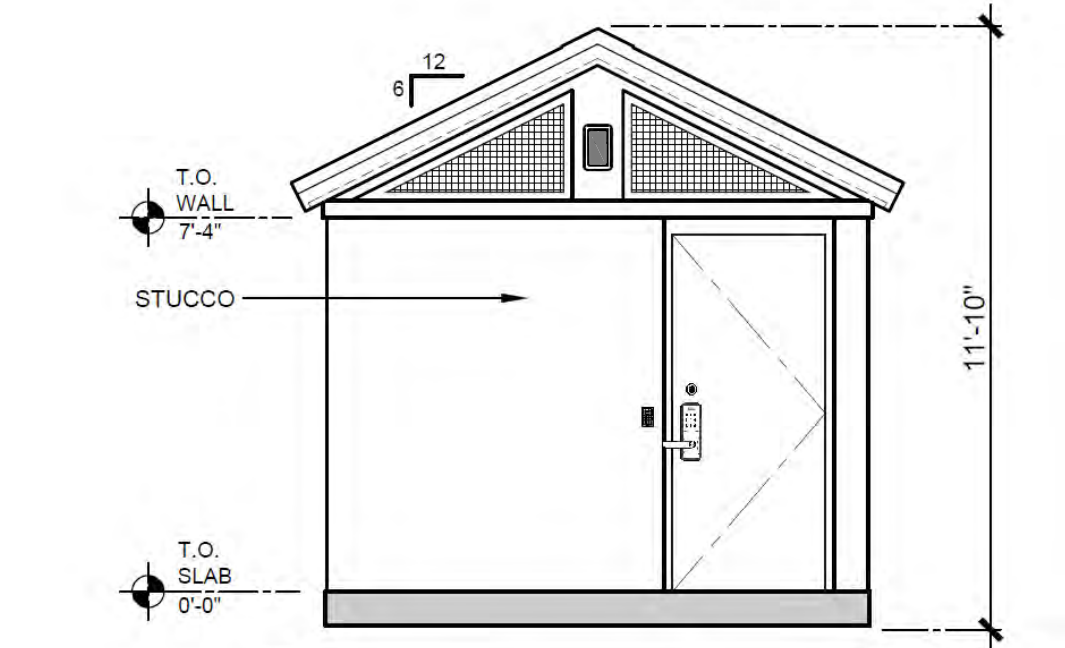
FLOOR PLAN
SCALE: NOT TO SCALE



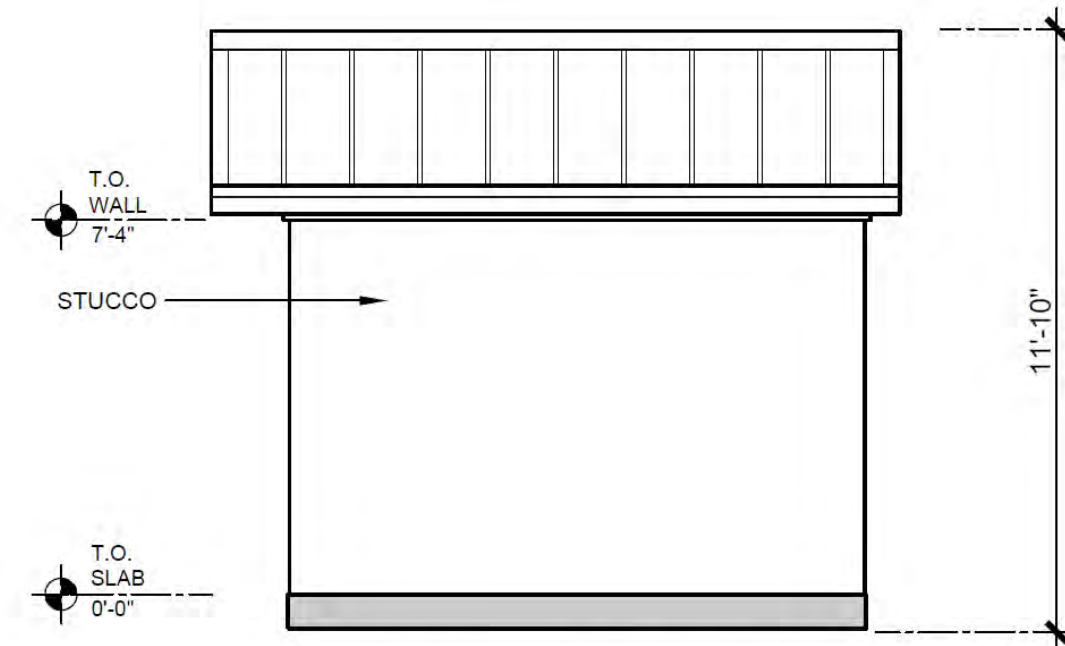
RESTROOM BUILDING

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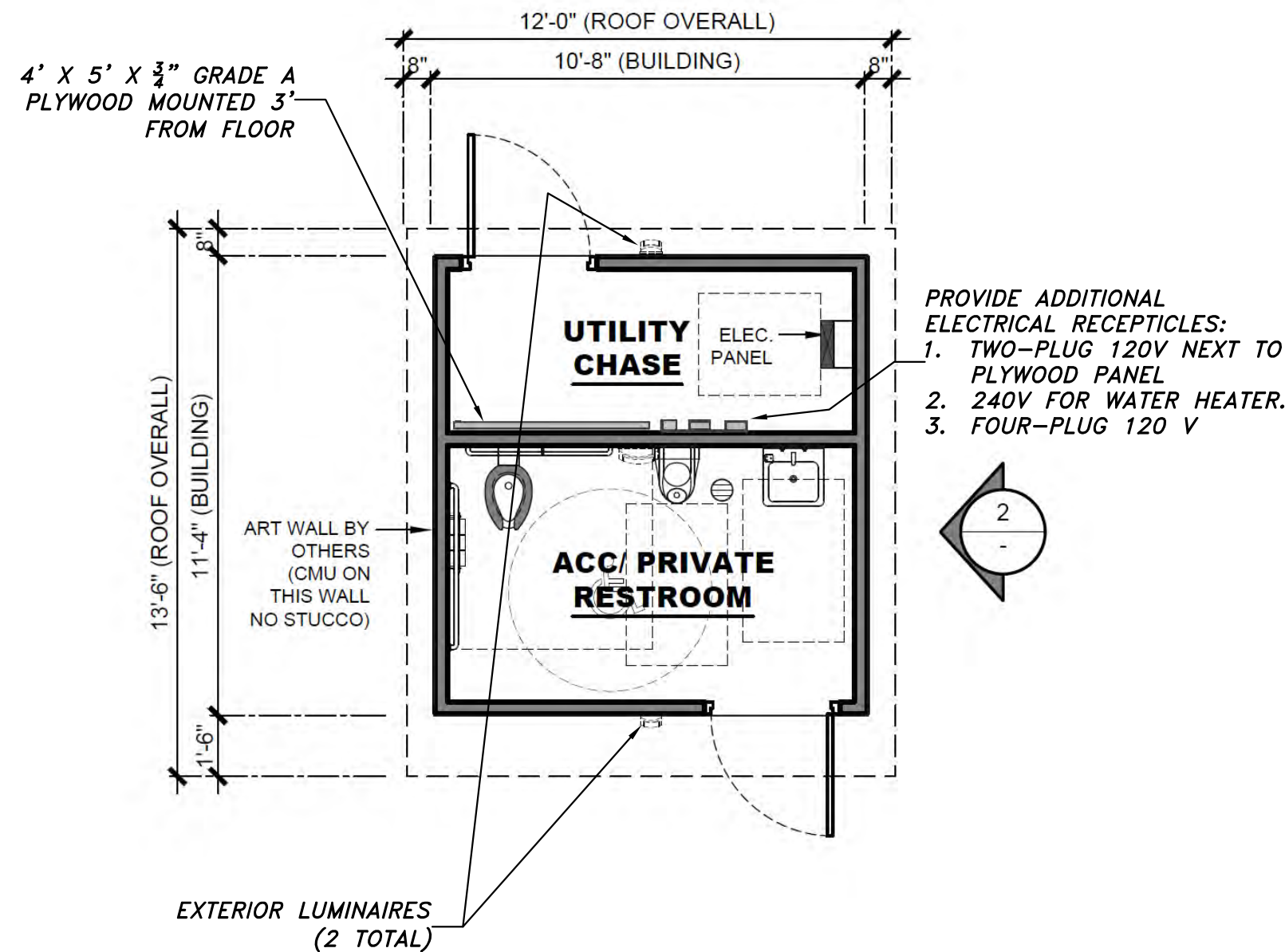
www.PublicRestroomCompany.com
2557 BUSINESS PARKWAY
MINDEN NEVADA, 89423
P: 888-888-2060 F: 888-888-1448



ELEVATION 1
SCALE: 3/16"=1'-0"



ELEVATION 2
SCALE: 3/16"=1'-0"



FLOOR PLAN
SCALE: 3/16"=1'-0"



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BUILDING TYPE:	RESTROOM BUILDING	REVISION #	5	REVISION DATE:	4/10/2018	SHEET#	
PROJECT:	ALAMEDA CONTRA COSTA TRANSIT DISTRICT ALAMEDA, CA	PROJECT #:	9828	START DATE:	1/7/2016	MAX. PERSON / HOUR:	45 S
				DRAWN BY:	EOR		

-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE

PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN SERVICES				MANUFACTURER/MODEL	REMARKS
		COLD WATER	HOT WATER	WASTE	VENT		
1	WATER CLOSET, FLOOR MOUNTED, ADA HEIGHT	1"	-	4"	2"	ACORN PENAL-WARE, 1975-W-1-HET-1-FVBO-ADA-PFS. FLOOR MOUNTED TOILET, REAR DISCHARGE, WITH CONCEALED ANTI-MICROBIAL LEVER FLUSH VALVES, TOILET SEAT BACK SHALL BE BLACK SOLID CORE PLASTIC, NON-FLAMMABLE CONSTRUCTION WITH CONTINUOUS SS CONCEALED SELF-CHECKING HINGES.	ADA
2	WATER CLOSET FLUSH VALVE					ZURN ZB143 AV-HET-BG-7L	
3	URINAL, ADA HEIGHT	3/4"	-	2"	2"	ACORN PENAL-WARE 1709HEU-W-1.0.125-FVBO	ADA
4	URINAL FLUSH VALVE					ZURN Z-6195AV-ULF-BG-7L	
5	LAVATORIES	1/2"	1/2"	1-1/2"	1 1/2"	ACORN PENAL-WARE 1652LRB-1-DMS-03-M, 18" SINK	ADA
7	SOAP DISPENSERS	-	-	-	-	VANDAL RESISTANT ASI #353 THROUGH THE WALL DISPENSOR WITH A BEHIND THE WALL SS TANK LOCATED INSIDE THE UTILITY CHASE FOR MAINTENANCE	
8	GRAB BARS	-	-	-	-	SS GRAB BARS, 1-1/4" MIN. EXPOSED FASTENER VANDAL RESISTANT DESIGN	ADA
9	TOILET PAPER HOLDER	-	-	-	-	COVERED THREE-ROLL, 18 GA STAINLESS STEEL, ATTACHED WITH 4 EPOXY BEDDED VANDAL RESISTANT SS SCREWS	
10	HAND DRYER	-	-	-	-	DYSON V-BLADE OR EQUAL	
11	QUICK CONNECT FITTING, 1/2"	-	1/2"	-	-	ON HOT WATER SERVICE PIPE - DORMONT	SOLIDLY WALL MOUNTED NEXT TO SINK

PLUMBING EQUIPMENT SCHEDULE

ITEM	FIXTURE	ROUGH-IN SERVICES				MANUFACTURER/MODEL	REMARKS
		COLD WATER	HOT WATER	WASTE	VENT		
1	ELECTRIC WATER HEATER	1/2"	1/2"			STIEBEL DHC-E 8/10, TANKLESS	
2	WATER PRESSURE GAUGE/VALVE COMBO					COMMERCIAL GRADE INDUSTRIAL WATER PRESSURE GAUGE, ISOLATION BALL VALVE, 150 PSI PRESSURE REGULATOR WITH WYE STRAINER, CHECK VALVE AND KEYSTONE SR 40 240 WATER FILTER	
3	FLOOR DRAIN	-	-	-	-		
4	HOSE BIB - INTERIOR	1/2"	-	-	-		INSIDE UTILITY CHASE

FINISH SCHEDULE

AREA	FLOOR	WALL				OTHER
		EAST	WEST	NORTH	SOUTH	
EXTERIOR	CONCRETE, BROOM FINISH	STUCCO, COATED WITH 2-4 MIL LAYERS OF 7-DAY CURING BLOCK FILLERS AND PAINTED WITH 2 LAYERS OF INDUSTRIAL HIGH SOLIDS, GLOSS ENAMAL TO 4 MIL THICKNESS. COLOR GRAY: DOVER GRAY PPG1001-5			NO STUCCO, SAME COLOR PAINT AS 3 OTHER WALLS	
GABLE ENDS		FIBER-CEMENT STUCCO IN PATTERN, PAINTED WITH INDUSTRIAL ENAMAL. COLOR: PPG DOVER GRAY PPG1001-5				
TRIM						COLOR: NAPOLEON PPG1013-7
ROOF						5/8" OSB SHEATHING, ICE/WATER SHIELD MEMBRANE, 26 GA STANDING SEAM METAL ROOF PANELS. COLOR RED: PPG1189-7
INTERIOR		SMOOTHED TO PEBBLE GRAIN FINISH, 2-4 MIL OF 7-DAY BLOCK FILLERS AND PAINTED WITH 2 LAYERS OF 4 MIL INDUSTRIAL HIGH SOLIDS INDUSTRIAL GRADE ENAMAL, WHITE.				

NOTES:

- THE RESTROOM MANUFACTURER WILL PROVIDE COMPLETE ARCHITECTURAL PLANS AND ENGINEERING CALCULATIONS, STAMPED BY CA REGISTERED DESIGN PROFESSIONALS FOR THE CONTRACTOR TO FILE FOR REQUIRED BUILDING PERMIT.
- THE DOORS OF THE RESTROOM AND UTILITY CHASE ROOM SHALL BE "CARD-READER ACTIVATED" USING THE DISTRICTS MOST RECENT DOOR SECURITY SYSTEM PER THE AC TRANSIT IT DEPARTMENT. THE RESTROOM STRUCTURE AND THE TWO DOOR FRAMES SHALL BE FITTED WITH CONDUCTIVE HINGE, CONDUITS, WIRING, AND EQUIPMENT TO CONNECT TO A PANEL IN THE UTILITY CHASE FOR POWER AND CONNECTION TO THE AC TRANSIT COMMUNICATIONS SERVICE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- FOR ADDITIONAL INFORMATION ABOUT FURNISHING AND INSTALLING THE PRE-MANUFACTURED RESTROOM BUILDING, SEE SPECIFICATION SECTION 13-42-13.

DOOR SCHEDULE

SYMBOL	SIZE	DESCRIPTION	REMARKS
1	3'-0" X 7'-0" h	SINGLE EXTERIOR, 14 GA STEEL, REINFORCED WITH 14 GA STEEL RIBS AT 6", REINFORCED WITH A WELDED PLATE FOR DOOR CLOSER MOUNTING. LOCK SETS SHALL BE SCHLAGE MODEL 200 CO WITH CONDUCTIVE HINGE IN FRAMES. SCHLAGE B-600 SERIES COMMERCIAL SERIES DEAD BOLTS SHALL BE PLACED ABOVE THE LOCK SET.	CARD READER BOX SHALL BE PLACED NEXT TO DOORS, ADJACENT TO LOCK SETS. PROVIDE 1"-IN-WALL CONDUIT FROM EACH CARD READER BOX TO PLYWOOD PANEL IN UTILITY CHASE. A SECOND 1" CONDUIT SHALL BE PROVIDED FROM THE CONDUCTIVE HINGE TO THE WOOD PANEL IN THE UTILITY CHASE.

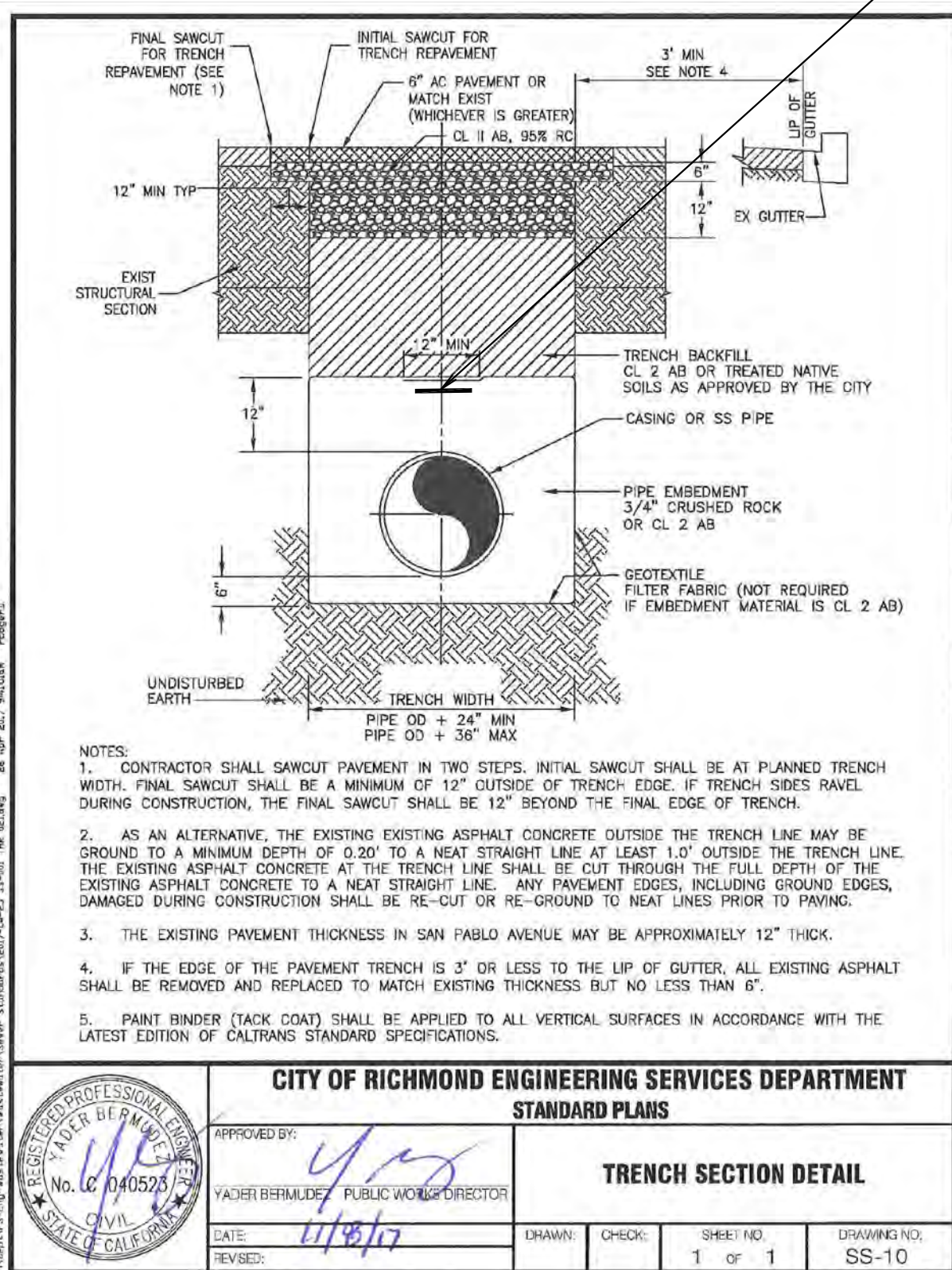
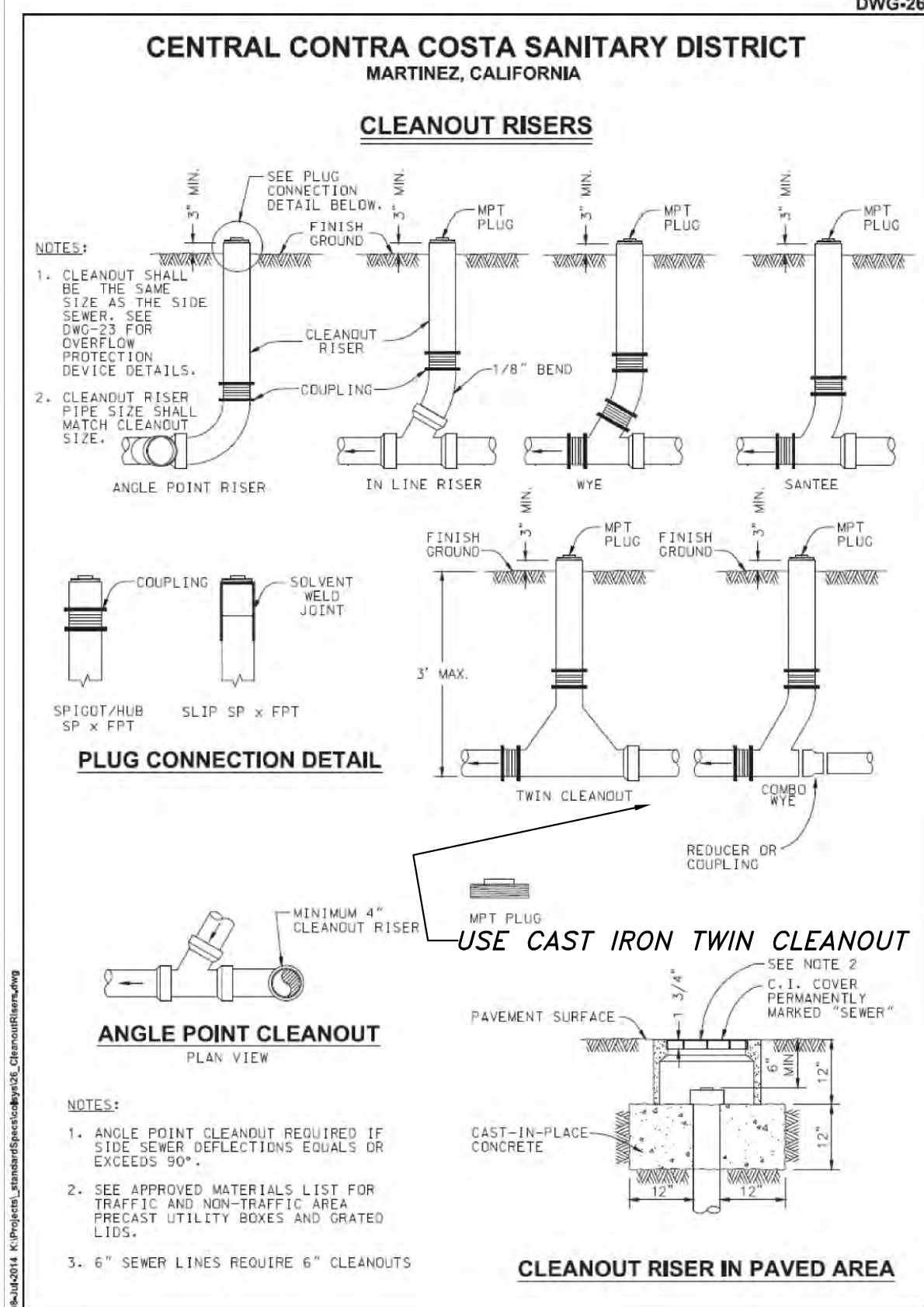
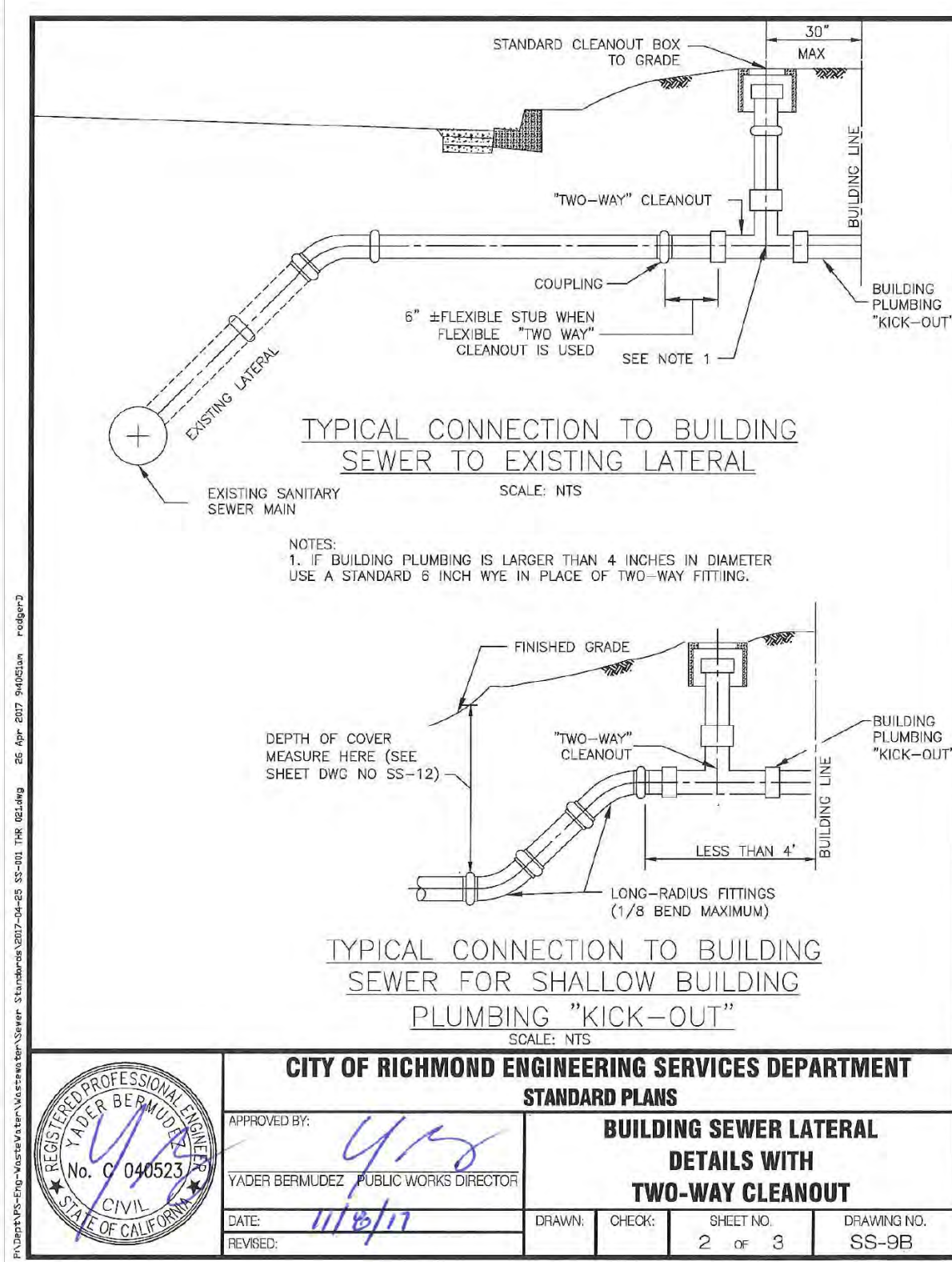
REVISIONS	BY	DATE

CHOW ENGINEERING, INC.
7770 PARDEE LANE, SUITE 100
OAKLAND, CA 94621
Phone: (510) 636-8500 Fax: (510) 636-8544
Web: www.choweng.com E-Mail: info@choweng.com

AC TRANSIT
1600 FRANKLIN ST.
OAKLAND, CA 94612

DRAWING TITLE: **BLDG. FLOOR PLAN, ELEV & SCHED'S OPERATOR RESTROOM**
CASTRO ST. & TEWKSBURY AVE.
OWNER: **AC TRANSIT**


DATE: 4-5-19
SCALE: AS NOTED
SHEET SIZE: ARCH D
DRAWN: DW
CHECKED: LK
JOB NO.: 16R-120
DRAWING NO.: **C-7**
SHEET NO.: 8 of 9
REVISION NO.: 0



SIZE	MATERIAL	TYPE AND MINIMUM CLASS	MIN. W. REQ. COVER 10 FT.
BUILDING SEWERS			
4"-6"	VC	SD-17 PIPE	2'-5"
4"-6"	CI	SD-17 PIPE	1'-5"
4"-6"	PI	C-555 S2	1'-5"
4"-6"	ABS	SD-15 S2	2'-5"
4"-6"	PVC	SD-15 S2	2'-5"
4"-6"	HDPE	SD-17	2'-5"
LATERAL SEWERS			
4"	VC	-	5"
6"	VC	-	5"
8"-10"	CI	SD-17 PIPE	1'-5"
8"-10"	CI	C-555 S2	1'-5"
8"-10"	ABS	C-555 S2 S2	5"
8"-10"	PVC	SD-15	5"
8"-10"	HDPE	SD-17	5"
8"-10"	CDSO	DR 18	4"
8"-10"	CDSO	DR 18	4"
8"-10"	HDPE	SD-17	3"
8"-10"	HDPE	SD-17	3"
MAIN SEWERS (UNDER ROAD WAY)			
8"	VC	-	5"
10"	VC	-	5"
8"-10"	CI	C-555 S2	6'-15"
8"-10"	PI	C-555 S2	1'-5"
8"-10"	PVC	SD-15	5"
8"-10"	CDSO	DR 18	5"
8"-10"	CDSO	DR 18	4"
8"-10"	CDSO	DR 14	3"
8"-10"	HDPE	SD-17	5"
MAIN SEWER (NOT UNDER ROAD WAY)			
8"-10"	CI	C-555 S2	3"
8"-10"	CDSO	DR 14	3"
SMALL TOWN SEWERS			
12"	VC	-	6'-18"
12"	VC	-	6'-25"
12"	CI	C-555 S2	1'-5"
12"	CI	C-555 S2	1'-5"
12"	PI	C-555 S2	1'-5"
12"-18"	PVC	SD-15	6'-25"
11"-12"	CDSO	DR 31	6'-25"
11"-12"	CDSO	DR 31	6'-25"
11"-24"	CDSO	DR 32.5	6'-25"
11"-24"	CDSO	DR 32.5	6'-25"
11"-24"	CDSO	DR 31	6'-25"
11"-24"	CDSO	DR 31	6'-25"
11"-24"	CDSO	DR 18	6'-25"

PIPE COVER LIMITATION TABLE

NOTES:
1. PIPE SPECIFICATIONS SET SECTION 4-1.30



CITY OF RICHMOND ENGINEERING SERVICES DEPARTMENT

STANDARD PLANS

APPROVED BY: *[Signature]*

TAYLOR BERNADEZ, PUBLIC WORKS DIRECTOR

DATE: *11/6/18*

REVISED:

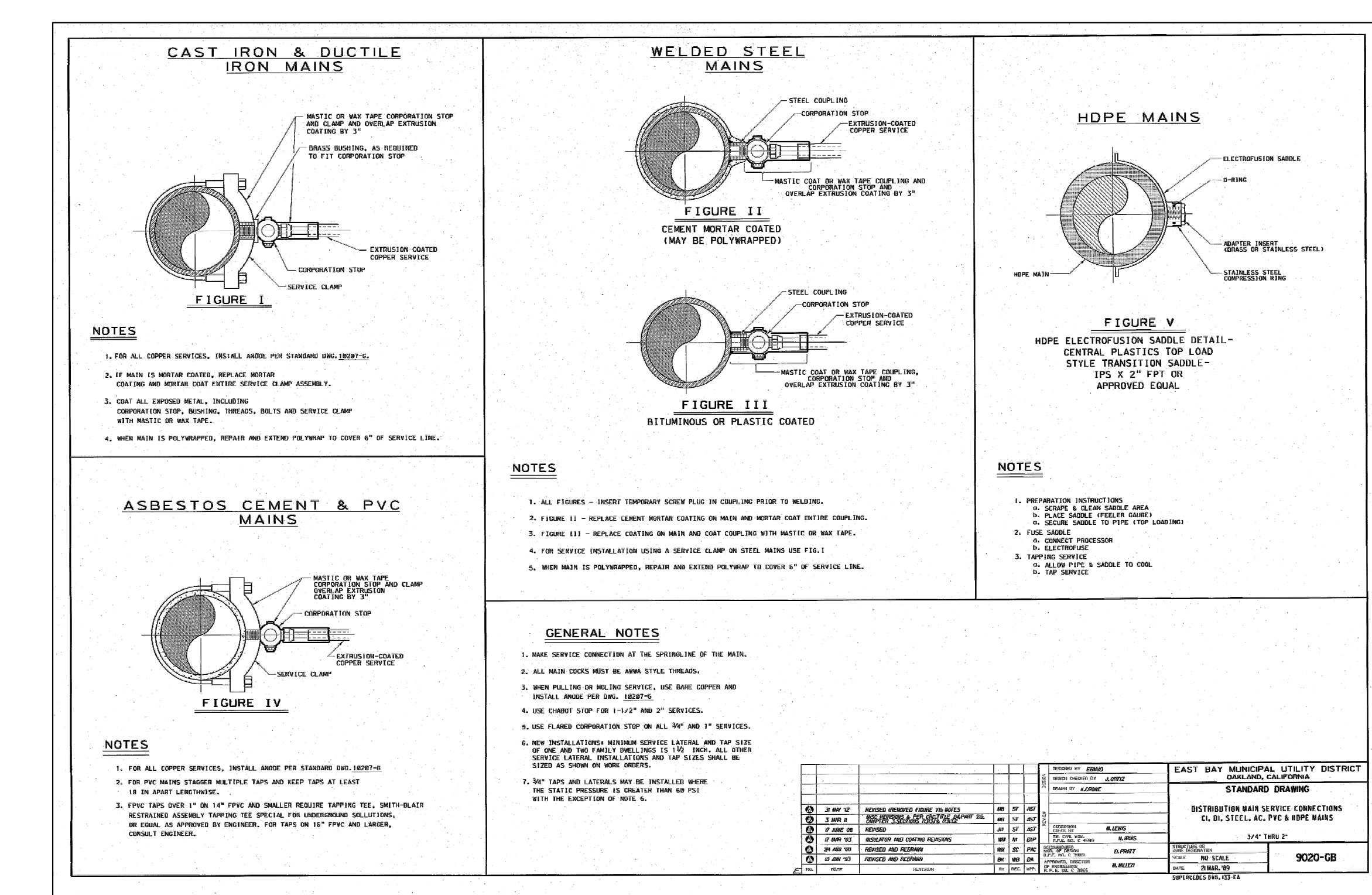
STANDARD BEDDING AND COVER


REQUIREMENTS FOR

GRAVITY SEWER INSTALLATIONS

SHEET NO. 1 of 1

DRAWING NO. SS-12



 CHOW ENGINEERING, INC.
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DRAWING TITLE:
STANDARD UTILITY DETAILS 1
POINT RICHMOND RESTROOM
CASTRO ST. & TEWKSBURY AVE.

OWNER:
AC TRANSIT
1600 FRANKLIN ST.
OAKLAND, CA 94612

STAMP	
DATE	4-5-19
SCALE	AS NOTED
SHEET SIZE	ARCH D
DRAWN	DW
CHECKED	LK
JOB NO.	16R-120
DRAWING NO.	
SD-1	
SHEET NO.	9 of 9
REVISION NO.	0