

ADDENDUM NO. 2
TO
CONTRACT DOCUMENTS
FOR
MARINA COAST WATER DISTRICT
REGIONAL URBAN WATER AUGMENTATION PROJECT
RECYCLED WATER PIPELINE AND BLACKHORSE RECYCLED WATER RESERVOIR

CIP # RW-0156

June 13, 2017



06/13/2017

This Addendum No. 2, pages 1 through 42 modifies the Bidding Documents for the Marina Coast Water District Regional Urban Water Augmentation Project, and shall become part of the Contract Documents for this Project.

Bidders shall acknowledge receipt of Addenda by number in the space provided for that purpose on Document 004100 - Bid Forms.

CONTRACT DOCUMENTS, VOLUME 1, SPECIFICATIONS:

DOCUMENT TOC TABLE OF CONTENTS:

1. Page TOC-5:
 - a) Insert the following at the end of the table of contents:
"Appendix F- Underground Classification".

SECTION 00 43 00 BID BOND:

1. Replace Section 00 43 00 in Volume 1 with Section 00 43 00 in Addendum 2.

SECTION 00 43 93 BID SUBMITTAL CHECKLIST:

1. Replace Section 00 43 93 in Volume 1 with Section 00 43 94 in Addendum 2.

SECTION 00 45 36 GOOD FAITH EFFORTS VERIFICATION:

1. Replace Section 00 45 36 in Volume 1 with Section 00 45 36 in Addendum 2.

SECTION 00 45 36 GOOD FAITH EFFORTS VERIFICATION:

1. At the title, replace "SUBMIT WITHIN 3 DAYS OF BID OPENING" with "SUBMIT FORM 00 45 36 WITHIN 3 DAYS OF BID OPENING. SUBMIT ATTACHMENTS 4500-3 AND 4500-4 WITH BID".

SECTION 00 45 38 BID SUBMITTAL CHECKLIST:

1. Delete this section in its entirety.

SECTION 00 52 00 AGREEMENT:

1. Page 00 52 00-6, Section 9.01.A:
 - a) Add the following to Part 10:
"n. State Revolving Fund and Proposition 1 Funding Requirements (00 73 50)".

SECTION 01140 WORK RESTRICTIONS:

1. Page 01140-3, Section 1.04E.4:
 - a) Add the following text to the end of line a:
"in accordance with CSUMB permit".
2. Page 01140-3, Section 1.04E.5:
 - a) Replace "General Jim Moore Boulevard" with "General Jim Moore Boulevard - Presidio of Monterey".

3. Page 01140-3, Section 1.05

a) Add Part C with the following information:

Contact information for utility owners and property owners is listed in the table below.

AT&T	Susan Barraza AT&T 515 Chappell Road Watsonville, CA 95076 (831)728-6571 sb8239@att.com
Armstrong Ranch	Bill Armstrong Armstrong Marketing 975 W Alisal St., Suite F Salinas, CA 93901 (831)424-8100
City of Marina	Edrie Delos Santos City of Marina Engineering Division 209 Cypress Ave Marina, CA 93933 (831) 884-1212 edelossantos@ci.marina.ca.us Nourdin Khayata City of Marina Engineering Division 209 Cypress Ave Marina, CA 93933 nkhayata@ci.marina.ca.us
City of Seaside	Mr. Rick Riedl, P.E. City Engineer City of Seaside 440 Harcourt Ave Seaside, CA 93966 (831)899-6884
Comcast	Comcast 2440 Fremont Street Suite 207 Monterey, CA 93940 (800)391-3000
CSUMB	Anya Spear Associate Director of Campus Planning, LEED AP CSU Monterey Bay (831) 582-5098 aspear@csumb.edu Rick Boggs rboggs@csumb.edu

PG&E	PG&E 2311 Garden Rd. Monterey, CA (831)648-3231
Suddenlink Communications	Mr. Robert Hager Sudden Link Communications 761 Neeson Rd, Suite #7 Marina, CA 93933 (831)901-5682 Robert.Hager@Suddenlink.com

4. Page 01140-4, Add Section 1.08 as follows:
- a) 1.08 PERMIT FEES
 - A For bidding purposes, assume the following permit fees. Upon project completion, actual fees paid shall be compared to the assumed fees. Excess fees paid will be credited to the project and the shortfall of fees paid will be owed to the Contractor.
 - B City of Marina Permit Fee \$400,000.
 - C City of Seaside Permit Fee \$5,000

SECTION 01424 ABBREVIATIONS:

- 1. Page 01424-7, Section 1.03.C
 - a) Add the following sentence to the end of Part C, "Recycled Water Pipeline abbreviations are provided at the end of this section."
 - b) Add the recycled water abbreviations to the end of Section 01424.

SECTION 01722 FIELD ENGINEERING:

- 1. Page 01722-1, Section 1.03.A
 - a) Add the following sentence to the end of Part A, "Electronic CAD drawings of the pipeline vertical and horizontal alignment will be provided from the Engineer to the Contractor for use by the Contractor's surveyor to lay out the alignment at locations where lines and grades are not indicated on the drawings."
- 2. Page 01722-1, Section 1.03
 - a) Add Part C, with the following text "Using the record of survey for the CSUMB campus as the referenced record map, the basis of bearings, and the point of commencement, Contractor will provide a legal description for all work located in CSUMB property, in accordance with the requirements of Business and Professions Code, and a plat of the easement as-built location to the campus and to the Land Records Section of the Division of Capital Planning, Design and Construction within twenty-eight (28) calendar days of the completion of construction. Upon request, the Land Records Section will provide a copy of the campus record of survey for the use of Contractor."

SECTION 02448 JACKING STEEL PIPE CASINGS:

1. Page 02448-2, Section 1.04C:
 - a. Delete paragraph and replace with the following text:
"Soils investigation program and report: Perform exploratory geotechnical testing (such as geotechnical borings and standard penetration testing) and laboratory testing (such as in place density), as needed, to obtain all subsurface geotechnical information necessary to complete the working drawings and procedures for the proposed bore and jack method."
2. Page 02448-3, Section 1.06A:
 - a. Delete paragraph and replace with the following text:
"The District has obtained from the State of California, Department of Industrial Relations, Division of Occupational Safety and Health Administration (CalOSHA) an underground classification of "Potentially Gassy" for both crossings along the alignment. The Underground Classification can be found in Appendix F- Underground Classification. The Contractor is responsible for complying will all requirements of the underground classification. A Pre-Job Conference with the Division of Occupational Safety and Health- Mining and Tunneling Unit is mandatory prior to commencing any activity associated with boring of the tunnels. A Pre-Job request form is enclosed in Appendix F. Perform work in conformance with all applicable federal, state, and local safety requirements."

SECTION 02820 FENCES AND GATES:

1. Page 02448-2, Section 1.04C:
 - a. Add Item 4 as follows:
 - "4. Gate Slats
 - a. Match existing gate slat type and color."

SECTION 11312D VERTICAL TURBINE SHORT SETTING CENTRIFUGAL PUMPS:

1. Page 11312D-6, Section 2.05:
 - a) Delete section 2.05.G.
2. Page 11312D-10, Section 3.03:
 - a) In the row "Impeller Type", change "enclosed" to "semi-open".

SECTION 13206Q WELDED STEEL TANKS:

1. Page 13206Q-3, Section 1.04,
 - a) Add the following sentence to the end of Part A.7.e:
"This includes the web of the structural roof members."

SECTION 15211 DUCTILE IRON PIPE: AWWA C151:

1. Page 15211-2, Section 1.03, Part A
 - a) Replace Item 1 as follows:
 - "1. The pipe shall be restrained at all locations, including the customer turnouts."

2. Page 15211-5, Section 2.01, Part C
 - a) Add item 4 as follows:
 - "4. Where fittings are located adjacent to other fittings or valves, the connection shall be a flange by flange connection."

SECTION 15112 BUTTERFLY VALVES:

1. Page 15211-4, Section 2.02, Part a
 - a) Add item 3 as follows:
 - "3. Henry Pratt."

APPENDICES

1. Appendix A:
 - a. Replace the City of Seaside Encroachment Permit in Volume 1 with the Seaside Encroachment Permit in Addendum 2.
2. Appendix E:
 - a. Replace MCWD Standard Detail W-7 with the attached, revised detail W-7.
3. Appendix F:
 - a. Add "Appendix F- Underground Classification" to appendices section.

CONTRACT DOCUMENTS, VOLUME 2, DRAWINGS:

Replace or add the following drawings with the attached drawings:

- | | | |
|-------------|--------------|---|
| 1. Sheet 2 | Drawing G-02 | General Notes - 1 |
| 2. Sheet 12 | Drawing C-04 | PLAN AND PROFILE STA. 39+00 TO STA 49+00 |
| 3. Sheet 20 | Drawing C-12 | PLAN AND PROFILE STA. 119+00 TO STA 129+00 |
| 4. Sheet 32 | Drawing C-24 | PLAN AND PROFILE STA. 239+00 TO STA 249+00 |
| 5. Sheet 50 | Drawing C-42 | PLAN AND PROFILE STA. A28+00 TO STA A37+00 |
| 6. Sheet 52 | Drawing C-44 | PLAN AND PROFILE STA. A47+00 TO STA A48+39.73 |
| 7. Sheet 53 | Drawing C-45 | PIPELINE - DETAILS, BAYONET & BLACKHORSE GOLF COURSE CONNECTION |
| 8. Sheet 61 | Drawing C-01 | FINISHED SITE PLAN AND YARD PIPING |

This Addendum No. 2, pages 1 through 42, shall become part of the Contract and all provisions of the Contract shall apply thereto.

The time provided for completion of the Contract is not changed.

Bidders shall acknowledge receipt of all Addenda by number in the space provided in the Proposal.

ATTACHMENT 1

SPECIFICATIONS ADDED BY ADDENDUM NO. 2

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER (*Name and Address*):

SURETY (*Name, and Address of Principal Place of Business*):

OWNER (*Name and Address*):

Marina Coast Water District
11 Reservation Road
Marina, CA 93933

BID

Bid Due Date: June 27, 2017

Description: CIP # RW-0156, REGIONAL URBAN WATER MANAGEMENT PROJECT
RECYCLED WATER PIPELINE AND BLACKHORSE RECYCLED WATER RESERVOIR
MARINA COAST WATER DISTRICT

BOND

Bond Number:

Date:

Penal sum _____ \$ _____
(10% (ten percent) of the Total Bid Value, in Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER

SURETY

Bidder's Name and Corporate Seal (Seal) Surety's Name and Corporate Seal (Seal)

By: _____
Signature

By: _____
Signature (Attach Power of Attorney)

Print Name

Print Name

Title

Title

Attest: _____
Signature

Attest: _____
Signature

Title

Title

Note: Addresses are to be used for giving any required notice.

Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
 - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2 All Bids are rejected by Owner, or
 - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

BID SUBMITTAL CHECKLIST

All information required by the terms of the Bid Documents must be furnished. Important items to be submitted are including, but not limited to, those listed below:

ARTICLE 1 - SUBMIT WITH BID

	Form Number	Form Name
<input type="checkbox"/>	00 41 00	Bid Form
<input type="checkbox"/>	No form included	Certificate of Contractor's License
<input type="checkbox"/>	00 43 00	Bid Bond (or Bid Security)
<input type="checkbox"/>	00 45 12	List of Project References
<input type="checkbox"/>	00 45 14	Designation of Subcontractors
<input type="checkbox"/>	00 45 16	List of Suppliers
<input type="checkbox"/>	00 45 18	Designation of Insurance Agent or Broker
<input type="checkbox"/>	00 45 20	Stop Notice Information
<input type="checkbox"/>	00 45 22	Non-Collusion Statement
<input type="checkbox"/>	00 45 24	Prevailing Wage Statement
<input type="checkbox"/>	00 45 26	Public Works Contractor Registration Certification
<input type="checkbox"/>	00 45 28	Local Hiring for Public Works
<input type="checkbox"/>	00 45 30	Iran Contracting Act Certification
<input type="checkbox"/>	00 45 32	American Iron and Steel Certification
<input type="checkbox"/>	00 45 34	Anti-Lobbying Certification
<input type="checkbox"/>	00 45 36	DBE Good Faith Efforts Verification - Form 4500-3 (DBE Subcontractor Performance Form). Submit form only for DBE firms that will be used.
<input type="checkbox"/>	00 45 36	DBE Good Faith Efforts Verification - Form 4500-4 (DBE Subcontractor Utilization Form). Submit form only for DBE firms that will be used.

The rest of Section 00 45 36 shall be submitted within 3 days of bid opening.

ARTICLE 2 – SUBMIT PRIOR TO OWNER'S EXECUTION OF CONTRACT (After Notice of Award)

<input type="checkbox"/>	00 52 00	Agreement
<input type="checkbox"/>	00 61 00	Performance Bond

REGIONAL URBAN WATER AUGMENTATION PROJECT

CIP #RW-0156

Document 00 43 93

Marina Coast Water District

- 00 61 50 Payment Bond
- No form included Insurance Certificates
- 00 73 50 Disclosure of Lobbying Activities
Attachment SF-LLL

END OF DOCUMENT

PREVAILING WAGE STATEMENT

SUBMIT WITH BID

If awarded the contract, we and our subcontractors shall pay all the workers we assign to the project not less than the higher of the Davis Bacon provisions as part of the SRF requirements or prevailing wage as determined by the state of California, Director of Industrial Relations in compliance with Article 7 of the Supplementary Conditions. We are aware that the contractor shall be penalized for non-compliance by either the contractor or his subcontractor(s).

In addition, we are informed of the following:

Copies of the prevailing wage rates are on file at:

Marina Coast Water District
11 Reservation Road
Marina, CA 93933

or

State of California Department of Industrial Relations
Division of Labor Statistics and Research
455 Golden Gate Avenue, 10th Floor
San Francisco, CA 94104
(415) 703-4774

On-line at <https://www.dir.ca.gov/oprl/DPreWageDetermination.htm>

The successful bidder shall be required to post the prevailing wage determinations at each job site.

Each contractor and subcontractor shall keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per them wages paid to each journeyman, apprentice, worker or other employee employed by him or her in connection the public work.

Certified copies of such payroll records must be furnished to the State or Marina Coast Water District upon request.

By signing below, the bidder certifies that he shall comply with the prevailing wage laws.

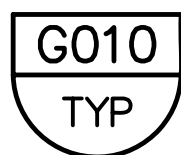
Company Name: _____

Bidder's Signature: _____

Date: _____

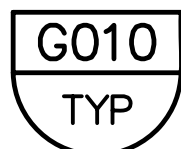
END OF DOCUMENT

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
AB	ANCHOR BOLT	BRKR	BREAKER
ABC	AGGREGATE BASE COURSE	BSCIP	BELL & SPIGOT CAST IRON PIPE
AC	ASPHALTIC CONCRETE	BTU	BRITISH THERMAL UNITS
ACB	AIR CIRCUIT BREAKER	BSP	BLACK STEEL PIPE
ACP	ASBESTOS CEMENT PIPE OR ACOUSTIC CEILING PANELS	BTU	BRITISH THERMAL UNITS
ACI	AMERICAN CONCRETE	BV	BALL VALVE
ACU	AIR CONDITIONING UNIT	BYP	BYPASS
ADA	AMERICANS WITH DISABILITIES ACT	C	CONDUIT
ADJ	ADJUSTABLE	C TO C	CENTER TO CENTER
AFF	ABOVE FINISHED FLOOR	CA	CONCRETE ANCHOR
AHR	ANCHOR	CB	CATCH BASIN
AI	ANALOG INPUT	CCP	CONCRETE CYLINDER PIPE
AIC	AIR COMPRESSOR	CFM	CUBIC FOOT PER MINUTE
AID	AIR DRYER	CIP	CAST IRON PIPE
ALM	ALARM	CIRC	CIRCUMFERENTIAL
ALTN	ALTERNATE	CISP	CAST IRON SOIL PIPE
AL	ALUMINUM	CJ	CONSTRUCTION JOINT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	CL OR \mathcal{C}	CENTER LINE OR CLOSED
AO	ANALOG OUTPUT	CLG	CEILING
APPROX	APPROXIMATE	CLP	CONTROL PANEL
ARCH	ARCHITECTURAL	CLR	CLEAR
ARV	AIR RELEASE VALVE	CLSM	CONTROLLED LOW STRENGTH MATERIAL
ASTM	AMERICAN SOCIETY FOR TESTING OF MATERIALS	CMLC	CEMENT MORTAR LINED CONCRETE
ATC	ACOUSTICAL TILE CEILING	CMLSP	CEMENT MORTAR LINED STEEL PIPE
AVE	AVENUE	CMP	CORRUGATED METAL PIPE
AWG	AMERICAN WIRE GAUGE	CMU	CONCRETE MASONRY UNIT
AWS	AMERICAN WELDING SOCIETY	CND	CONDUIT
AWWA	AMERICAN WATER WORKS ASSOCIATION	CO	CLEANOUT OR CONDUIT ONLY
AUTO	AUTOMATIC	COL	COLUMN
AUX	AUXILIARY	COMP	COMPACTED OR COMPRESSION
AV	ANGLE VALVE	COMPA	COMPRESSED AIR
AVG	AVERAGE	CONC	CONCRETE
@	AT	CONN	CONNECTION
BCV	BALL CHECK VALVE	CONSTR	CONSTRUCTION
BCW	BARE COPPER WIRE	CONT	CONTINUE (D) (OUS) OR CONTROL
BD	BOARD	CORP	CORPORATION
BF	BLIND FLANGE	CPLG	COUPLING
BFG	BELOW FINISHED GRADE	CPT	CONTROL POWER TRANSFORMER
BFP	BACK FLOW PREVENTER	CR	CONDENSATE RETURN
BFV	BUTTERFLY VALVE	CRN	CRANE
B.H.	BLACK HORSE	CRPT	CARPET TILE
BLDG	BUILDING	CSP	CARBON STEEL PIPE
BLK	BLOCK	CSUMB	CALIFORNIA STATE UNIVERSITY OF MONTEREY BAY
BLKG	BLOCKING	CT	CENTERED
BLO	BLOWER	CTD	CERAMIC TILE CENTERED
BLVD	BOULEVARD	CTSK	COUNTERSUNK
BM	BEAM	CTV	CABLE TELEVISION
BOT	BOTTOM	CU	CUBIC
BRG	BEARING	CUP	COPPER PIPE



ABBREVIATIONS

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
DBL	DOUBLE	EP	EXPLOSION PROOF
DCS	DECHLORINATION SOLUTION OR DISTRIBUTED CONTROL SYSTEM OR DILUTED CAUSTIC SOLUTION	EQL	EQUAL
		EQPT	EQUIPMENT
DEG	DEGREE	ES	EMERGENCY STOP
DEPT	DEPARTMENT	ESEW	EMERGENCY SHOWER AND EYEWASH
DET	DETAIL	EUG	ELECTRICAL UNDERGROUND
DI	DISCRETE INPUT OR DUCTILE IRON	EW	EACH WAY
DIA OR \emptyset	DIAMETER	EWC	ELECTRIC WATER COOLER
DIAG	DIAGONAL	EWH	ELECTRIC WATER HEATER
DIM	DIMENSION	EX	EXISTING
DIP	DUCTILE IRON PIPE	EXIST	EXISTING
DIPBS	DUCTILE IRON PIPE, BELL & SPIGOT	EXP	EXPANSION
		EXPO	EXPOSED
DIPMJ	DUCTILE IRON PIPE, MECHANICAL JOINT	EXT	EXTERIOR
DIST	DISTRIBUTION	F	FIRE WATER
DJ	DOUBLE JOINT	FA	FLAME ARRESTOR OR FOUL AIR
DMJT	DISMANTLING JOINT	FACP	FIRE ALARM CONTROL PANEL
DMPR	DAMPER	FAE	FOUL AIR EXHAUST
DN	DOWN	FB	FLAT BAR
DO	ENGINE DIESEL OIL OR DISCRETE OUTPUT	FC	FLEXIBLE CONNECTION OR FLEXIBLE COUPLING
DOM	DOMESTIC	FCA	FLANGE COUPLING ADAPTER
DR	DRAIN, DRIVE OR DIAMETER RATIO	FCL	FAILS CLOSED OR FERRIC CHLORIDE
DS	DOWN SPOUT	FCS	FERRIC CHLORIDE SOLUTION
DV	DIAPHRAGM VALVE	FCTF	FACTORY FINISH
DWG	DRAWING	FCV	FLAPPER CHECK VALVE
		FD	FLOOR DRAIN
E	EAST OR BURIED ELECTRICAL	FDN	FOUNDATION
EA	EACH	FE	FINAL EFFLUENT OR FLOW ELEMENT
ECC	ECCENTRIC	FEC	FIRE EXTINGUISHER CABINET
ED	EQUIPMENT DRAIN	FEXT	FIRE EXTINGUISHER
EDB	ELECTRICAL DUCT BANK	FF	FAR FACE OR FACTORY FINISH
EE	ENGINE EXHAUST	FG	FINISH GRADE
EF	EACH FACE OR EXHAUST FAN	FHY	FIRE HYDRANT
EFL	EFFLUENT	FH	FEMALE HEAD
EFU	EXHAUST FAN UNIT	FIG	FIGURE
EJW	ENGINE JACKET WATER	FILP	FAILS IN LAST POSITION
EL	ELEVATION	FIN FL	FINISH FLOOR
ELB	ELBOW	FIP	FEMALE IRON PIPE
ELEC	ELECTRIC (AL)	FIT	FLOW INDICATOR/ TRANSMITTER
ELL	ELBOW	FL	FLOOR OR FLANGE
EMBED	EMBEDMENT	FLEX	FLEXIBLE
EMH	ELECTRICAL MANHOLE	FLG	FLANGE
ENGR	ENGINEER	FLGA	FLANGE ADAPTER
EO	EMERGENCY OVERFLOW	FLL	FLOW LINE
EOP	EDGE OF PAVEMENT		

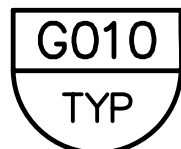


ABBREVIATIONS

SHEET 2 OF 6

08-01-05

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
FO	FAILS OPEN OR FUEL OIL FIBER OPTIC	HPT	HIGH POINT
FOR	FUEL OIL RETURN	HPU	HEAT PUMP UNIT
FOS	FUEL OIL SUPPLY	HR	HOSE RACK
FPR	FIRE ALARM CABLE PAIR	HTR	HEATER
FR	FORWARD-REVERSE	HW	HEATED DOMESTIC WATER OR HOT WATER
FRP	FIBERGLASS REINFORCED PLASTIC	HWR	HOT WATER RETURN
FS	FAST-SLOW	HWS	HOT WATER SUPPLY OR HIGH WATER SURFACE
FSH	FLUSH SHELL		
FSLOS	FAST-SLOW LOCKOUT STOP	IA	INSTRUMENT AIR
FSP	FABRICATED STEEL PIPE	IC	INSTRUMENTATION CONDUIT
FST	FAST OR FORWARD-STOP	ID	INTERIOR DIAMETER
FSST	FAST-SLOW-STOP	IN OR "	INCH
FT	FOOT	INCLR	INTERCOOLER
FTC	FAIL TO CLOSE	INF	INFLUENT
FTG	FOOTING OR FITTING	INJ	INJECTOR
FTO	FAIL TO OPEN	INSTR	INSTRUMENT (ATION)
		INSUL	INSULATE (D) (ING) (TION)
G	GRIT PIPING	INTEG	INTEGRAL
GA	GAGE OR GAUGE	INTR	INTERIOR
GALV	GALVANIZE (D)	INV/INVT	INVERT
GB	GRAB BAR	IP	IRON PIPE
GEN	GENERATOR	IPB	INSTRUMENTATION PULL BOX
GFI	GROUND FAULT INTERRUPTOR	IPD	INFLUENT PUMP DISCHARGE
		IPR	INFLUENT PUMP RECYCLE
GL	GLASS	IRR/IRRIG	IRRIGATION
GLB	GLUE LAMINATED BEAM	ISB	INFLUENT SEWER BYPASS
GLCIP	GLASS LINED CAST IRON PIPE	I/O	INPUT/OUTPUT MODULE
GLV	GLOBE VALVE	J	JOIST
GND	GROUND	JAN	JANITOR
GPS	GLOBAL POSITIONING SYSTEM	JB	JUNCTION BOX
		JT	JOINT
GR	GRADE		
GSP	GALVANIZED STEEL PIPE	L	ANGLE OR LEFT
GV/GTV	GATE VALVE	LA	LIGHTNING ARRESTER
GWB	GYPSUM WALLBOARD	LAB	LABORATORY
GYP	GYPSUM	LAV	LAVATORY
		LC	LOCK CLOSE
H1E	HOOK ONE END	LCP	LOCAL CONTROL PANEL
H2E	HOOK TWO ENDS	LIM SW	LIMIT SWITCH
HA	HAND-AUTO	LLA	LOW LEVEL ALARM
HCS	HYPOCHLORITE SOLUTION	LLCO	LOW LEVEL CUT OFF
HDW	HARDWARE	LLH	LONG LEG HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE	LLV	LONG LEG VERTICAL
		LO	LOCK OUT
HHWR	HIGH HEAD WATER RETURN	LOP	LOCK OPEN
HHWS	HIGH HEAD WATER SERVICE	LOR	LOCAL-OFF-REMOTE
HLA	HIGH LEVEL ALARM	LOS	LOCKOUT-STOP
HM	HOLLOW METAL	LP	LOW POINT OR LIQUID PROPANE
HOA	HAND-OFF-AUTO		
HORIZ	HORIZONTAL	LT	LEFT TURN
HPA	HIGH PRESSURE AIR		
HPS	HIGH PRESSURE SODIUM		

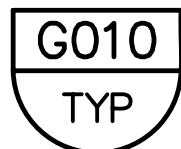


ABBREVIATIONS

SHEET 3 OF 6

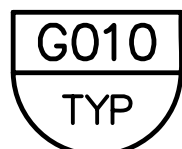
08-01-05

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
LPA	LOW PRESSURE AIR	NDV	NEEDLE VALVE
LR	LONG RADIUS	NE	NORTHEAST
LRA	LOCAL-REMOTE-AUTO	NF	NEAR FACE
LS	LIMIT SWITCH	NG	NATURAL GAS
LSA	LEVEL SENSOR, AIR (BUBBLER)	NGS	NATIONAL GEODETIC SURVEY
LTG	LIGHTNING	NL	NIGHT LIGHT
LUBO	LUBE OIL	NO	NORMALLY OPEN
LVR	LOUVER	NO OR #	NUMBER
LWS	LOW WATER SURFACE	NOHC	NORMALLY OPEN HELD CLOSED
L/L	LEAD/LAG	NOM	NOMINAL
L/L/LL	LEAD/LAG/LAG-LAG	NP	NATIONAL PIPE THREAD
L/R	LOCAL-REMOTE	NTS	NOT TO SCALE
		NV	NEEDLE VALVE
		NW	NORTHWEST
MATL	MATERIAL	OC	ON CENTER
MAX	MAXIMUM	OCL	OPEN-CLOSE
MCC	MOTOR CONTROL CENTER	OD	OUTSIDE DIAMETER
MCP	MOTOR CIRCUIT PROTECTOR	OHE	OVERHEAD ELECTRIC
MCWD	MARINA COAST WATER DISTRICT	OIS	OPERATOR INTERFACE STATION
MECH	MECHANICAL	OP	OPEN
MFRS	MANUFACTURER'S	OPNG	OPENING
MH	MANHOLE, SANITARY	OPP	OPPOSITE
MIL	MILLIMETERS	OPR	OPERATE(OR)
MIN	MINIMUM	OPUS	ONLINE POSITIONING USER SERVICE
MIP	MALE IRON PIPE	OSC	OPEN-STOP-CLOSE
MISC	MISCELLANEOUS	OTF	OUTFALL
MJ	MECHANICAL JOINT	OVFL	OVERFLOW
MJDIP	MECHANICAL JOINT DUCTILE IRON PIPE	OVLD	OVERLOAD
MK	MARK	PA	PAGING SYSTEM
ML	MIXED LIQUOR	PB	PULL BOX
MON	MONUMENT	PCV	PLUG CONCENTRIC VALVE
MPH	MILES PER HOUR	PD	PLANT DRAIN
MRWPCA	MONTEREY REGIONAL WATER POLLUTION CONTROL AGENCY	PE	PLAIN END
MSL	MEAN SEA LEVEL	PEF	PRIMARY EFFLUENT
MTD	MOUNTED	PERP	PERPENDICULAR
MV	MOTORIZED VALVE	PEV	PLUG ECCENTRIC VALVE
MWS	MAXIMUM WATER SURFACE	PG	PRESSURE GAUGE
MXR	MIXER	PG&E	PACIFIC GAS AND ELECTRIC
N	NORTH	PH	PHASE
NA	NOT APPLICABLE	PI	POINT OF INTERSECTION
NAT GR	NATURAL GRADE	PID	PERMANENT IDENTIFIER
NAVD	NORTH AMERICAN VERTICAL DATUM	PIN	PRIMARY INFLUENT
NC	NORMALLY CLOSED	PIV	PINCH VALVE
NCHO	NORMALLY CLOSED HELD OPEN	PKWY	PARKWAY
		PL	PLATE (STEEL) OR PROPERTY LINE
		PLC	PROGRAMMABLE LOGIC CONTROLLER
		PLCS	PLACES
		PLE	PLAIN END



ABBREVIATIONS

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
PLYWD	PLYWOOD	S	SOUTH OR SEWER
PMP	PUMP	SA	SAMPLE PIPING OR SERVICE AIR
PNL	PANEL	SCHED	SCHEDULE
POL	POLYMER	SCS	SCRUBBER CHLORINE SOLUTION
POLS	POLYMER SOLUTION	SCV	SWING CHECK VALVE
PR	PAIR OR INSTRUMENT CABLE PAIR	SD	STORM DRAIN
PRC	PLANT RECYCLE	SDBC	STORAGE DEVICE BLOCK CACHE
PREFAB	PREFABRICATED	SE	SOUTHEAST
PRI	PRIMARY	SECT	SECTION
PRPNE	PROPANE GAS	SEL	SELECT
PRV	PRESSURE REDUCING VALVE	SF	SUPPLY FAN
PS	PUMP STATION	SGL	SINGLE
PSF	POUNDS PER SQUARE FOOT	SH/SHT	SHEET
PSI	POUND PER SQUARE INCH	SHW	SECONDARY HOT WATER
PV	PLUG VALVE	SIL	SILENCE
PVC	POLYVINYL CHLORIDE	SIM	SIMILAR
PVCP	RIGID POLYVINYL CHLORIDE PIPE	SJ	SHRINKAGE JOINT
PVMT	PAVEMENT	SL	SLOW
		SLG	SLUDGE OR SLUICE GATE
R	RIGHT OR PLANT RECYCLE FLOW	SLOS	START-LOCKOUT-STOP
RAD	RADIUS	SLP	SLOPE
RAS	RETURN ACTIVATED SLUDGE	SN	SUPERNATANT
RCP	REINFORCED CONCRETE PIPE	SOLV	SOLENOID VALVE
RCPT	RECEPTACLE	SOV	SULFUR OXIDE VACUUM
RD	ROOF DRAIN OR ROAD	SP	STOP
RDCR	REDUCER	SPEC	SPECIFICATION
RDR	ROLL-UP-DOOR	SPLP	SAMPLER PUMP
RDY	READY	SQ	SQUARE
REF	REFERENCE	SR	STOP-RESET
REINF	REINFORCE (D)(ING)(MENT)	SRG	SPLIT RANGE
REJ	RUBBER EXPANSION JOINT	SS	SERVICE SINK, START-STOP OR SANITARY SEWER
REQD	REQUIRED	SSC	SECONDARY SCUM
REV	REVISION OR REVERSE ACTING	SSL	SECONDARY SLUDGE
RFCA	RESTRAINED FLANGE COUPLING ADAPTOR	SST	STAINLESS STEEL
RM	ROOM	SSTT	SOLID STATE TRIP
RMT	REMOTE	SSW	SANITARY SEWER
RP	RADIUS POINT	ST	STREET OR START
RT	RIGHT TURN	STA	STATION
RTM	RUNNING TIME METER	STD	STANDARD
RW	RECYCLED WATER OR RESILIENT WEDGE	STL	STEEL
R/W	RIGHT-OF-WAY	STOR	STORAGE

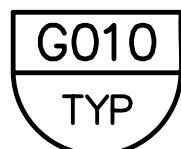


ABBREVIATIONS

SHEET 5 OF 6

08-01-05

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
STR	STRAINER	V OR VLV	VALVE
STRL	STRUCTURAL	VAC	VACUUM
SUSP	SUSPENDED	VB	VALVE BOX
SVRP	SALINAS VALLEY RECLAMATION PLANT	VC	VICTAULIC COUPLER
SW	SOFTENED WATER	VCP	VITRIFIED CLAY PIPE
SWGR	SWITCHGEAR	VERT	VERTICAL
SWR	SEAL WATER	VFD	VARIABLE FREQUENCY DRIVE
SYMM	SYMMETRICAL	VN	VENT
SW	SOUTHWEST	VOL	VOLUME
S/W	SIDEWALK	VP	VENT PIPE
		VPI	VERTICAL POINT OF INFLECTION
		VTR	VENT THROUGH ROOF
TBG	TUBING		
TD	THERMAL DISPERSION	W	WEST OR WATER
TDR	TOWEL DISPENSER/ RECEPTACLE	WC	WATER CLOSET
TE	THICKENER EFFLUENT	WD	WOOD
TEL/TELE	TELEPHONE SERVICE OR TELEPHONE	WF	WIDE FLANGE (BEAM)
TEMP	TEMPERATURE OR TEMPORARY	WH	WATER HEATER
TFR	TRANSFORMER	WO	WASTE OIL
TH	TOILET PAPER HOLDER	WP	WORKING POINT OR WEATHERPROOF
THERMO	THERMOSTAT	WS	WATER SURFACE
THK	THICK	WSP	WELDED STEEL PIPE
THO	THICKENER OVERFLOW	WWF	WELDED WIRE FABRIC
THRU	THROUGH	W/	WITH
THW	THERMOPLASTIC HEAT AND WATER RESISTANT INSULATED WIRE	W/O	WITHOUT
TJB	TELEPHONE JUNCTION BOX	XFMR	TRANSFORMER
TNK	TANK		
TOC	TOP OF CONCRETE	YD	YARD
TOS	TOP OF STEEL		
TOW	TOP OF WEIR	1W	POTABLE WATER
TV	TELEVISION	2W	NON-POTABLE WATER
TYP	TYPICAL	2W/HW	HEATED 2W
T&B	TOP AND BOTTOM	3W	PLANT EFFLUENT
T&G	TONGUE AND GROOVE	4WV	FOUR WAY VALVE
UBC	UNIFORM BUILDING CODE		
UNK	UNKNOWN		
UNO	UNLESS NOTED OTHERWISE		
UPS	UNINTERRUPTIBLE POWER SUPPLY		
UR	URINAL		



ABBREVIATIONS

SHEET 6 OF 6

08-01-05

Exhibit A

City of Seaside, Public Works Engineering Encroachment Permit Special Provisions

{Insert Project Title}
Permit # {Insert Permit Number}
Applicant: {Insert Applicant Name}
Applicant: {Insert co-applicant if applicable}

{Insert Permit Date}

These specifications are for construction of the proposed {describe project and location}, and, along with construction drawings titled "{Insert Plan Title}", dated {Insert Date of Plans} by {Insert Engineering Firm}, and details, will accompany each individual Encroachment Permit. All activities shall comply with applicable State, Federal and Local regulations, including but not limited to the Seaside Public Improvement Standards and Standard Specifications, California Department of Transportation

A. General

1. Adhere to applicable city standards, except as modified herein.
2. Notification sent to all affected residents and businesses. Notices shall be sent at least 72 hours in advance of construction activities. See Section B, Traffic Control, below for requirements for placing "No parking signs".
3. Applicant shall implement the following outreach programs as a minimum during construction of the pipeline project:
 - 3.1. Provide a 24/7 public hotline
 - 3.2. Project update on website
 - 3.3. Social media updates
 - 3.4. Door hangers and mailing notices
 - 3.5. Neighborhood meetings as appropriate
 - 3.6. Install signs along pipeline route on barricades identifying project name and hotline phone number
 - 3.7. Attend council meetings if requested.
4. Notify City of Seaside Engineering Division **2 weeks prior to start of construction** and provide regular updates as may be required.
 - 4.1. Email notifications to Scott Ottmar, sottmar@ci.seaside.ca.us, and Rick Riedl, rriedl@ci.seaside.ca.us.
5. Adhere to the Mitigation Monitoring and Reporting Program (MMRP).
 - 5.1. Provide mitigation plans when requested by the City.
6. If the disturbed area is to be over one (1) acre, a Stormwater Pollution Prevention Plan (SWPPP) shall be prepared and a WDID obtained by the applicant from the State Water Quality Control Board. Submit the SWPPP for City of Seaside review.
 - 6.1. See Section F, Stormwater Pollution Prevention, below for further details.
7. Subsurface construction shall be accomplished utilizing the following methods:
 - A. Trenching in street
 - B. Trenching in sidewalk
8. Pot holes are required to determine the type and location of underground utilities.
 - 8.1. Unless waived by the city inspector, contractor will provide profile of utility. Profile shall identify which utilities are present and depth to the utility.
 - 8.2. Notify City of Seaside at least 24 hours in advance of digging potholes.
 - 8.3. City of Seaside may inspect potholes and depths as deemed appropriate.

9. General Jim Moore Boulevard and Lightfighter Drive shall be coated from lip of gutter to the median or centerline with a slurry seal upon pavement restoration. See section E, Paving, below for pavement restoration requirements.
10. Protection and Repair of Existing Storm Drains and Sanitary Sewer Lines
 - 10.1. Sewer Closed Circuit Television (CCTV) inspections of City sewer and storm drain lines shall be performed and meet “Performance Specification Guidelines for Pipe Condition Assessment using CCTV” by the National Association of Sewer Service Companies (NASSCO).
 - 10.2. CCTV inspections are to be performed at all utility crossings or any other locations where City utilities (storm drain and sewer only) are found to be located within 6’-5” of the outside diameter of the pipeline (i.e. based on USA markings and/or potholing).
 - 10.3. Contractor shall repair sewers and storm drains damaged by construction operations to the satisfaction of the City.
11. Provide City with an indexed preconstruction video of existing surface improvements shown from both directions. Provide copy of preconstruction photographs.
12. Restore, repair, or replace private property improvements damaged by construction operations to the pre-construction conditions as commercially practical and to the private property owner’s satisfaction. In the event the private property owner is not satisfied with the restoration or repair of damaged improvements, Applicant’s External Affairs Manager, Construction Manager, and/or other such representative shall meet with the property owner to resolve the issue.
13. The City of Seaside retains the right to hire a third party inspector, to monitor adherence to these conditions.
 - 13.1. Third party inspector to be paid by Applicant.
 - 13.2. Any expenses greater than paid permit fees will be billed to Applicant, and paid upon demand. Failure to pay constitutes a breach of this permit.
 - 13.3. City inspections are intended for Quality Assurance (QA) purposes.
 - 13.4. Provide Quality Control (QC) reports in accordance with the City’s Quality Assurance Program (QAP) and as requested by the City to verify conformance to these permit conditions. In the event that there is a conflict between the QAP and the conditions in this permit, the QAP shall prevail unless otherwise directed by the City Engineer.
 - 13.5. City shall be included in construction progress meetings and provided copies of meeting agendas and minutes when requested
14. Contractor and sub-contractors contracted by Applicant shall provide insurance and indemnification to the City of Seaside prior to start of construction. Insurance shall have following minimum policy coverage:
 - 14.1. Bodily injury: \$2,000,000 per occurrence and \$4,000,000 aggregate
 - 14.2. Automobile liability: \$1,000,000 combined single
 - 14.3. Worker’s compensation: \$1,000,000 per accident or disease.
15. Contractors must have a City of Seaside business license.
16. New underground water main and appurtenances to be located per plans titled: {Insert Plan Title information}
 - 16.1. This permit authorizes work only in areas of the City of Seaside right of way or property owned by the City of Seaside within existing easements.
 - 16.2. Applicant is responsible for determining easements and coordinating with property owners for installation of water mains and associated infrastructure, including fire hydrants, blow-off valves and air release valves.
 - 16.3. Applicant shall submit record drawings upon completion of the work.

B. Temporary Traffic Control

1. Notify, coordinate, and resolve access, ingress, egress, special needs (disabilities), and parking issues with all private property owners/tenants and businesses along the pipeline route.
2. Temporary Traffic control shall conform to the most recent edition of the California Manual of Uniform Traffic Control Devices.
3. Haul roads will follow pipeline alignment and approved traffic control plans to the extent possible.
4. Avoid truck trips through designated school zones during school drop off and pickup hours. Provide construction schedule updates to the schools for bus route coordination.
5. Road closure with detour is not permitted along General Jim Moore Boulevard or Lightfighter Drive.
 - 5.1. At least one lane of traffic shall be maintained at all times.
 - 5.2. At least one driveway approach shall be available for each business affected.
 - 5.3. Provide safe provision for pedestrians and bicycles around and within construction zones in conformance with approved traffic control plans.
6. “No Parking” signs shall be posted a minimum of 72 hours prior to work beginning in that area, and
 - 6.1. shall clearly state the date(s) and time that no parking is in effect, and
 - 6.2. shall provide a contact phone number for the project manager and/or contractor
 - 6.3. Over-night parking of construction vehicles on public right of way outside of the work zone is prohibited
7. Provide changeable message signs (CMS) two weeks in advance for work along General Jim Moore Boulevard and Lightfighter Drive
8. Notify Police, Fire Departments, and Monterey Salinas Transit prior to construction commencing.

C. Excavation in Parkways and Sidewalks

1. Unless otherwise approved by City Inspector, excavations in sidewalks and parkways must be backfilled or temporarily paved. No excavations shall remain open past work hours.
2. Backfill in parkways and sidewalks as approved by City Inspector. Temporary backfill shall be ADA compliant.
3. Compaction of backfill in parkways and sidewalks shall be 90% minimum.
4. All improvements and landscaping in parkways shall be restored in-kind. The contractor shall take photographs of each work area prior to beginning and retain in files for reference and examination.
5. Sidewalk areas shall be repaired per City of Seaside standards S-101, S-102, S-103, S-104.
 - a. Damaged concrete shall be removed and replaced to the nearest construction joint.
6. Vaults and boxes installed within parkways and sidewalks shall be flush to finish grade.
 - 6.1. Lids and covers must clearly denote type of utility contained within.

D. Excavation in Streets

1. Street excavations shall be square and saw cut with smooth straight edges unless otherwise approved by the City.
2. Backfill or plating shall occur on same day as excavation. No excavations may remain open past work hours. Compaction of base rock or use of slurry may be used for backfill.
 - 2.1. See S-601 for trench restoration details.
3. Compaction shall achieve 95% relative at optimum moisture content, in agreement with Section 19-5 of the current Standard Specifications, State of California, Department of Transportation.
 - 3.1. Compaction shall be **in layers** not to exceed 0.67 feet (8 inches). At depths greater than 2.5 feet (30 inches), compaction shall be in layers not to exceed 1 foot (12 inches).
 - 3.2. Compaction testing will be provided for each day when backfill occurs or at 300 LF maximum, whichever is more frequent.
 - 3.3. Compaction test for at least one lift of each type of backfill material placed during the day.

- 3.4. Provide copies of compaction reports from a certified **third party testing company**.
4. If utilized, slurry backfill shall conform to S-600 or alternative slurry backfill material by written approval of the City Inspector. Admixtures shall not be used without first providing product submittals and obtaining City's written approval. Care shall be taken to keep the edges of the asphalt free from slurry.
5. Steel plates shall conform to California Department of Transportation Standard Specifications and shall have a traction surface. Provide Certificate of Compliance that plate meets these standards.
6. Slurry backfill shall remain a minimum of 4 inches below the finished surface. Slurry shall cure for 24 hours. If the slurry has attained sufficient hardness for traffic, the excavation shall be covered with temporary paving. Where the slurry has not attained sufficient hardness, the excavation must be covered with steel plates until the next day.
7. Temporary paving and trench plates shall be maintained in good condition at all times, and shall be inspected by the permittee at the end of each work day. Temporary paving materials shall be added as needed to maintain a smooth riding surface within 48 hours of any complaint received from the public or as directed by the City Engineer.
8. Trenching within existing pavement will be patched with cold mix upon completion of compaction or slurry backfill. Cold mix removed at time of final pavement installation.
9. Provide shoring, trench box or shield when required by OSHA excavation requirements. Submit stamped calculations to the City for review.
10. Vaults and boxes installed within city streets shall be flush with final pavement and rated for vehicular traffic, H-20 wheel loading.
11. Damage to streets by construction vehicles, including track marks, shall be repaired to the satisfaction of the City Engineer.

E. Paving

1. Temporary paving may be cold-mix asphalt, flush with the finished surface.
2. Prior to paving with hot mix asphalt, the edges of the asphalt shall be cleaned as necessary before the application of the tack coat.
3. General Jim Moore Boulevard and Lightfighter Drive shall receive a Type II slurry seal for the entire width, or up to centerline or median.
4. Trench restoration shall be in conformance with standard plan s-601, except slurry backfill shall be required. Slurry backfill shall conform to S-600 or alternative slurry backfill material by written approval of the City Engineer.
5. Hot mix asphalt work shall conform to Section 39 of the Standard Specification, State of California, Department of Transportation, most recent edition, with the following requirements:
6. In streets that are cracked, damaged or "alligatored," the extent of removal and replacement of asphalt shall be per the city inspector's direction.
7. Restore pavement markings in kind. Existing signs, striping, pavement legends, and markings will be restored to current City standards and as directed by the City. Provide temporary pavement markings and striping on arterials in accordance with MUTCD and Caltrans standards. Provide permanent striping, legends, and markings within ten (10) business days of permanent pavement restoration. City to provide specifications on painting, striping, and markings.
 - 7.1. Adhere to sections 84 and 85 of Caltrans Standard Specifications as applicable.
 - 7.2. When using paint, apply a minimum of two coats.
8. Repair cross gutters per standard S-106.
 - 8.1. Replace cross gutter to nearest construction joint, unless otherwise directed by the city inspector
 - 8.2. Weather permitting, trench restoration paving should occur within 10 working days of the completion of the underground construction as shown on plans.

9. Restore and test traffic loop detectors within three (3) business days of structural pavement restoration. Contractor to coordinate with City for loop replacement/repair standards.
10. Survey monuments and benchmarks removed or damaged due to construction shall be restored by a licensed land surveyor.
 - 10.1. All survey monuments shall be replaced in accordance with City standard detail S-802 and recorded with the County in conformance with the requirements of the "Business and Professional Code" of the State of California, chapter 15, "Land Surveyors" article 5, "Surveying Practice", and section 8762 "Record of Survey" as appropriate.
 - 10.2. Benchmarks shall be re-established to the point nearest the original benchmark and set with a bronze disc.
11. All final pavement restoration shall be completed within three (3) months of pipeline completion, unless otherwise agreed to in writing by the City.

F. Storm Water Pollution Prevention Requirements

1. Adhere to project SWPPP if applicable.
2. Provide drain inlet protection.
 - 2.1. Drain inlet protection shall not interfere with storm water flows. Contractor is responsible for maintaining drain inlet protection.
 - 2.2. No obstructions to storm drain inlets are permitted during a rain event.
3. Materials management
 - 3.1. Covering stockpiles, trash and debris
 - 3.2. Concrete washout if applicable
 - 3.3. Containment of hazardous materials and waste.
 - 3.4. Drip pans beneath heavy equipment.
4. Daily sweeping at a minimum or more frequent as required to prevent offsite tracking of sediment.
5. Applicant or its contractor shall submit a plan prior to discharge of flush water from pipeline mains.
 - 5.1. Applicant responsible for securing necessary permission from Monterey Regional Water Pollution Control Agency for discharge to the sanitary sewer system.
6. No discharge to the storm drain system without prior written approval by the City of Seaside
 - 6.1. Develop and submit a plan demonstrating removal of chlorine, sediment, or other pollutants as identified by the City prior to discharge to the storm drain system.
7. At the direction of the city inspector, video inspection of storm drains will be conducted when significant leak has occurred causing sediment to discharge to the storm drain system. Hydro flushing of the system will be required to remove sediment created by water main leaks.
 - 7.1. Provide information requested by city inspector, to include but not limited to: date, time and duration of leak, how much water discharged to the storm drain system, quantity of storm drain system flushing collected, summary of other clean up measures and description of cause, if known, and corrective actions to prevent repeat of water main failure.

G. Cleanup

1. Cleanup shall occur at the end of each day, including vacuuming if necessary. All construction tools, equipment, trash, debris, spoils and materials shall be removed from the area or otherwise secured within 10 feet of the face of curb within the work zone in a manner that will not impede traffic.
2. Stock piling of materials and equipment within the public right of way outside of the work zone will not be allowed
3. Boring operations will require vacuum equipment to clean up mud and/or slurry.
 - 3.1. Storm water protection devices shall be utilized to prevent mud from entering the storm drains. Contractor responsible for maintaining storm water protection devices to prevent flooding.

G. Supervision

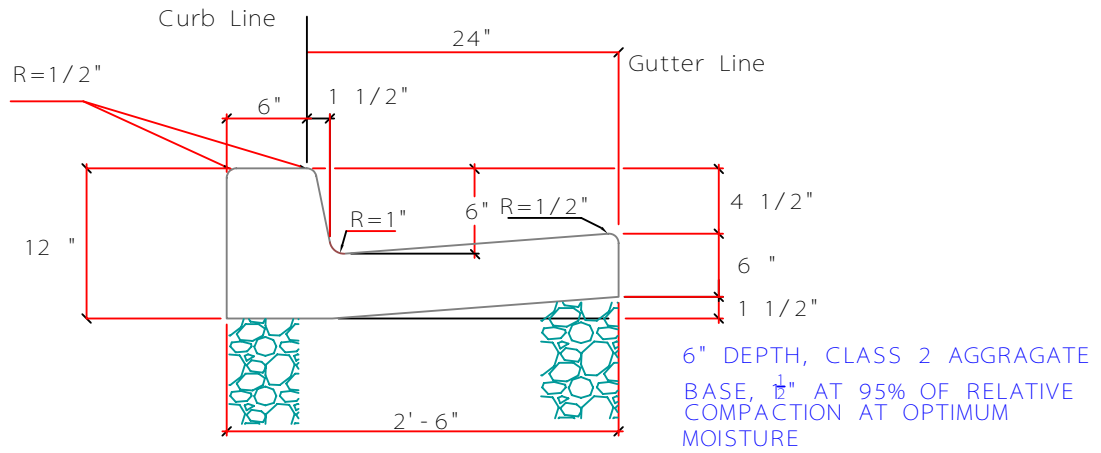
1. City of Seaside shall be provided a copy of daily reports, as requested by inspector.
2. Each crew shall have a responsible and competent foreman present during construction who shall exercise strict supervision over the crew.
3. Workers shall not use private property for any reason. Adequate water and toilet facilities shall be provided. Workers shall be courteous, considerate and conduct themselves professionally.
4. Workers shall wear shirts or tags that clearly identify their company's name.

H. Inspection Hours

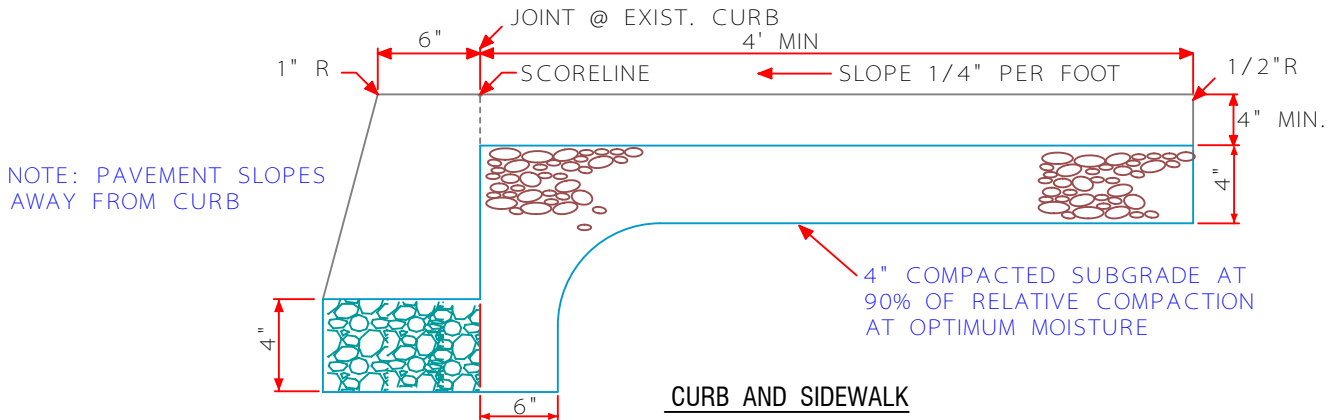
1. Working hours are Monday through Friday, 7 AM to 5 PM or as approved in writing by the City Engineer.
2. City may perform inspections on backfill and paving and general road reconstruction work throughout the project.
3. No work may occur in the street on Saturday, Sunday or holidays or as approved in writing by the City Engineer.

Summary of Engineering Standards

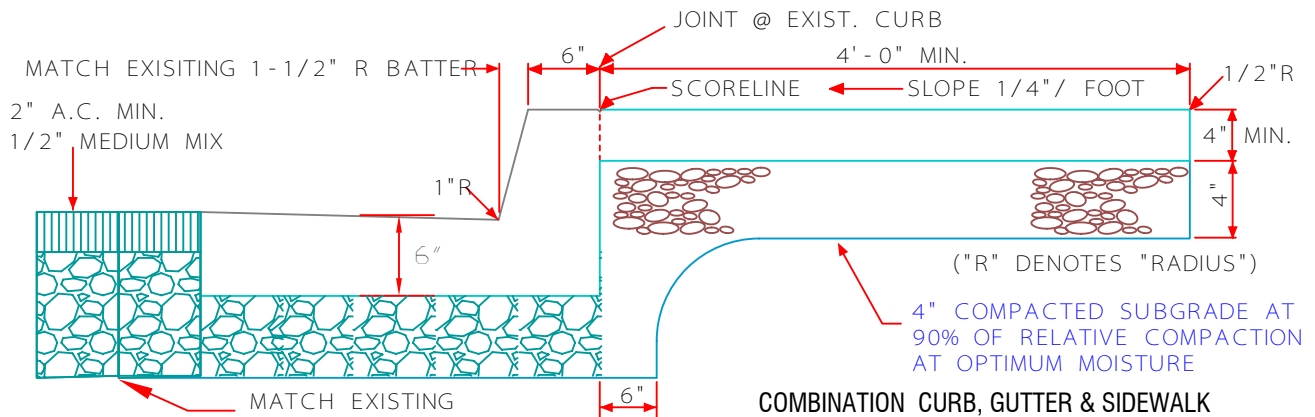
City of Seaside: S-101, S-102, S-103, S-104, S-105, S-600, S-601, S-802



COMBINATION GUTTER AND CURB



CURB AND SIDEWALK



COMBINATION CURB, GUTTER & SIDEWALK

NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO CITY OF SEASIDE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
2. CONCRETE SHALL MEET 3,000 PSI IN 28-DAY REQUIREMENT
3. CONCRETE SHALL BE CLASS 3, OR BETTER, PER SECTION 90-10, STANDARD SPECIFICATIONS CALIFORNIA DEPARTMENT OF TRANSPORTATION
4. WORK SHALL BE IN ACCORDANCE WITH SECTION 73, CONCRETE CURBS AND SIDEWALKS, STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION
5. CLASS 2 AGGRAGATE BASE, 1 1/2 DIAMETER 6" DEPTH. RELATIVE COMPACTION AT 95%
6. ALL CONCRETE SURFACES WHICH HAVE BEEN MARKED OR DEFACED WILL NOT BE ACCEPTED.
7. SURFACES SHALL BE BROOM FINISHED. BROOM SURFACE TRANSVERSELY TO LINE OF TRAFFIC. ADD WATER TO SURFACE AS NEEDED
8. EXPANSION JOINT/ SCORELINE - SEE DETAIL S-104
9. CURB, GUTTER, SIDEWALK AND DRIVEWAY REMOVAL SHALL BE AT SCORE LINES. LIMITS OF REMOVAL DETERMINED BY CITY INSPECTOR

PUBLIC WORKS DEPARTMENT

Drawing File **S0101**

APPROVED: _____

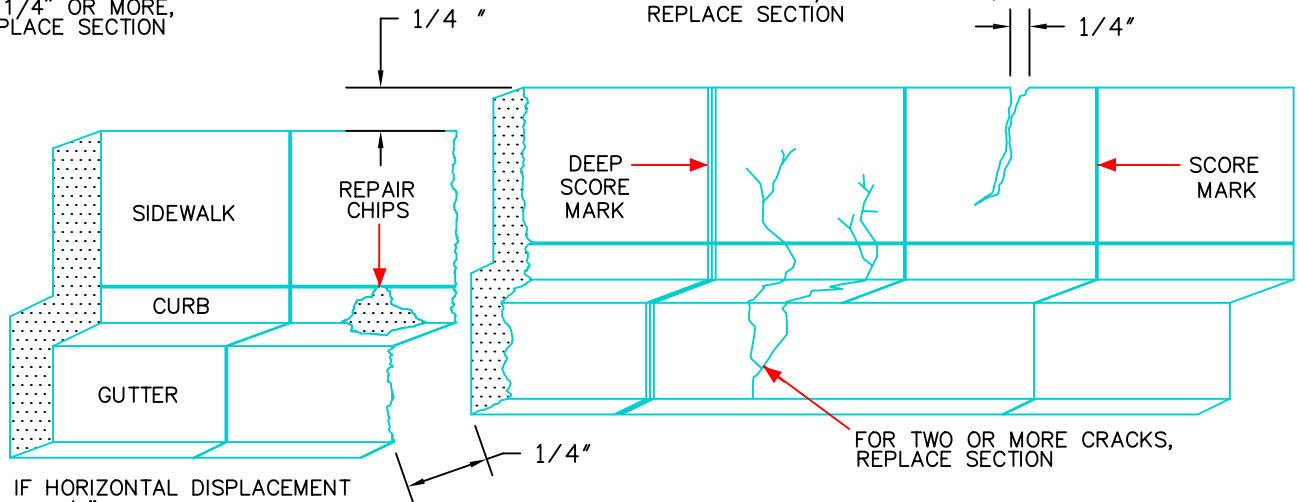
TIMOTHY P. O'HALLORAN, CITY ENGINEER - RCE NO. 49501

**STANDARD DRAWING FOR
NEW CURB, GUTTER
& SIDEWALK**

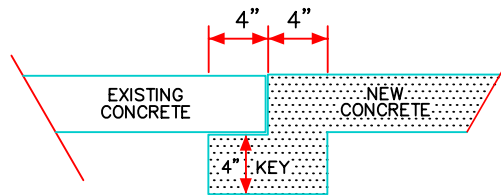
CITY COUNCIL RESOLUTION NO:

IF VERTICAL DISPLACEMENT IS 1/4" OR MORE, REPLACE SECTION

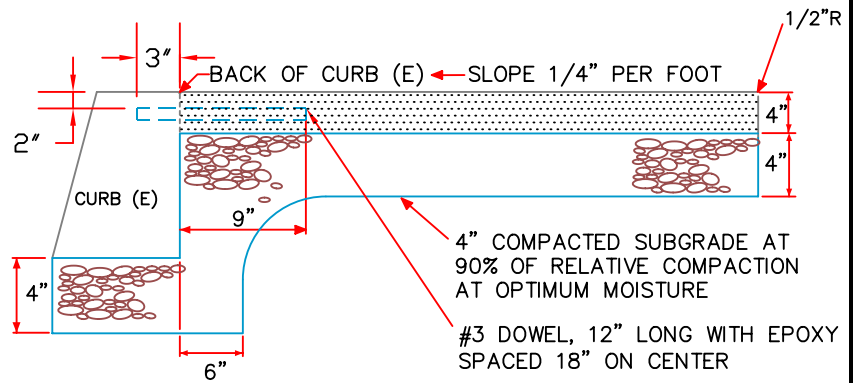
FOR CRACKS 1/4" OR LARGER, REPLACE SECTION



IF HORIZONTAL DISPLACEMENT IS 1/4" OR MORE, REPLACE SECTION



4" x 4" KEY UNDER EXISTING CONCRETE, WHEN POURING NEW CONCRETE TO EXISTING SIDEWALK/ CURB/ GUTTER



SIDEWALK REPAIR WITH DOWELS

NOTES:

1. CONCRETE CURBS & WALKS WHICH ARE DEFECTIVE WITH CRACKING, DISPLACEMENT, SPALLING, OR EXCESSIVE HONEYCOMBING SHALL BE REPAIRED BY REMOVING AND REPLACING THE DEFECTIVE PORTIONS.
2. SURFACE CHIPS MAY BE REPAIRED BY AN EPOXY METHOD WHICH WILL RESULT IN A HARD SURFACED, NEAT PERMANENT REPAIR. SURFACE TEXTURE AND COLOR MUST MATCH ADJACENT CONCRETE.
3. WHEN DEFECTIVE PORTIONS OF CURBS AND WALKS ARE REMOVED, THEY SHALL BE REMOVED IN SEGMENTS BETWEEN SCORE MARKS AND/OR EXPANSION JOINTS. REPLACEMENT CONCRETE SHALL BE FORMED AND FINISHED TO THE SAME STANDARDS REQUIRED FOR NEW WORK. THE EDGE OF THE EXISTING ASPHALT PAVING WILL NOT BE USED AS A CURB FORM.
4. DRIVEWAY APRONS SHALL BE REPAIRED BY SAWING OUT THE DEFECTIVE PORTION BETWEEN SCORES OR JOINTS
5. CRACKING OF CURBS, WALKS, AND DRIVEWAY APRONS WILL REQUIRE REMOVAL AND REPLACEMENT WHEN THE FOLLOWING SITUATIONS OCCUR:
 - A. WHEN ANY INDIVIDUAL CRACK IS 3/32" WIDE OR WIDER.
 - B. WHEN TWO OR MORE CRACKS OF ANY WIDTH OCCUR BETWEEN SCORE LINES AND/OR EXPANSION JOINTS.
 - C. WHERE ANY DISPLACEMENT HAS OCCURED EITHER VERTICALLY OR HORIZONTALLY WHICH EXCEEDS 3/32".
 - D. LIMITS OF REMOVAL TO BE DETERMINED BY THE CITY INSPECTOR.
6. INSTALL DOWELS IN BACK OF CURB WHENEVER REPLACING MORE THAN ONE SECTION OF SIDEWALK OR AS DIRECTED BY CITY INSPECTOR. USE EPOXY TO SECURE DOWELS.
7. DOWELS SHALL BE #3, 12 INCH LONG, SPACE 18" ON CENTER. DOWELS SHALL CONFORM TO SECTION 52, AND EPOXY SECTION 95, OF THE STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION.
8. CONCRETE SHALL MEET 3,000 PSI COMPRESSIVE STRENGTH IN 28-DAY REQUIREMENT
9. CONCRETE SHALL BE CLASS 3, OR BETTER, PER SECTION 90-10, STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION



PUBLIC WORKS DEPARTMENT

Drawing File No. S-102

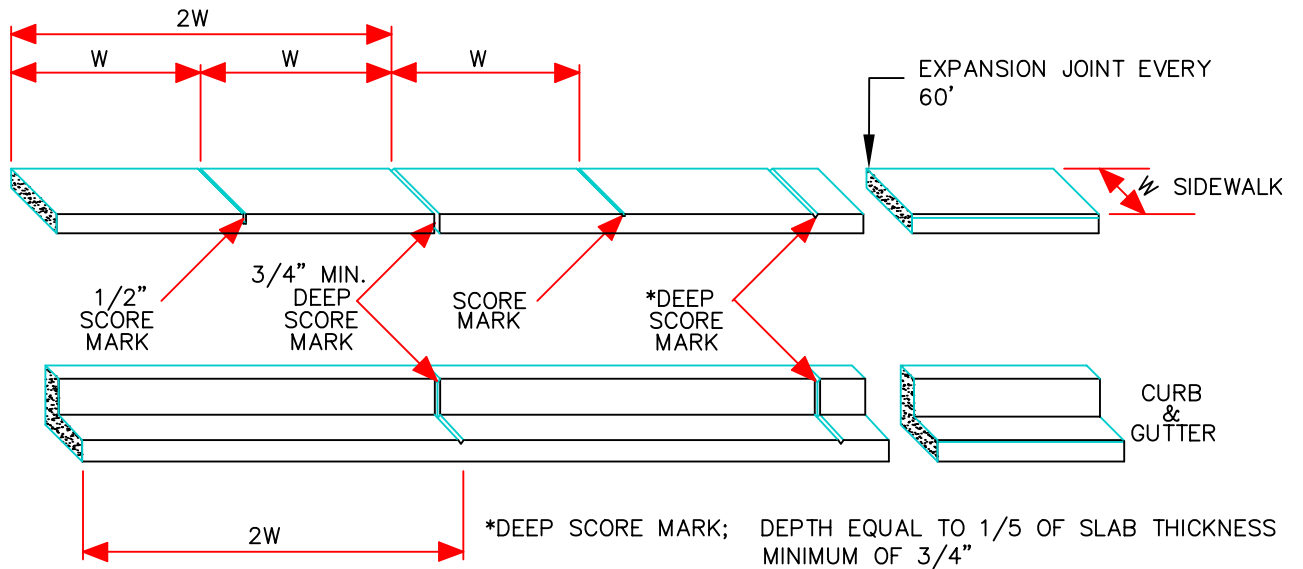
APPROVED: _____

TIMOTHY P. O'HALLORAN, CITY ENGINEER - RCE NO. 49501

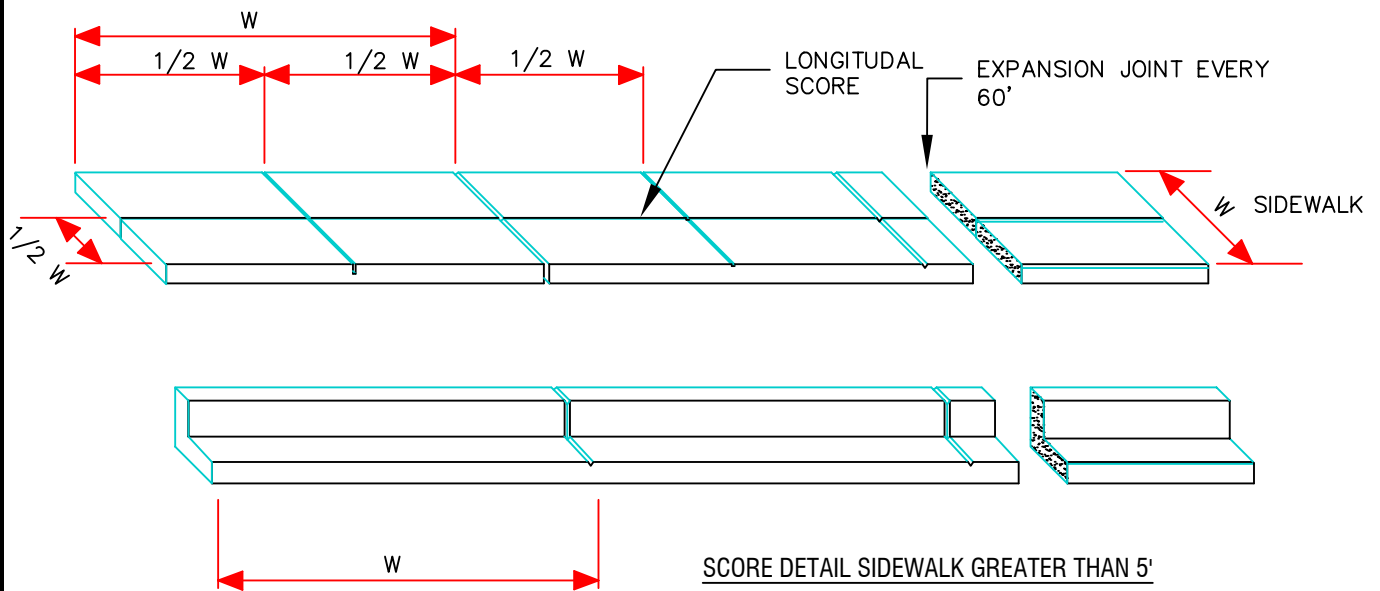
STANDARD DRAWING FOR

REPAIR OF CURB, GUTTER & SIDEWALK

CITY COUNCIL RESOLUTION NO:



SCORE DETAIL SIDEWALK 5' OR LESS



NOTES:

1. USE $1/4"$ RADIUS JOINER FOR ALL SCORELINES. LINES SHALL BE STRAIGHT, TRUE TO ALIGNMENT AND DEPTH.
2. DEEP SCORE RUNS CONTINUOUSLY THROUGH SIDEWALK, CURB AND GUTTER. DEPTH SHALL BE $\frac{1}{5}$ THICKNESS OF SLAB, MINIMUM OF $\frac{3}{4}$ INCH.
3. SIDEWALK SCORE LINES FOR WIDTHS 5 FEET OR LESS, SHALL BE TRANSVERSE AT A SPACING OF THE WIDTH OF THE SIDEWALK.
4. SIDEWALK SCORELINES FOR WIDTH GREATER THAN 5 FEET SHALL BE TRANSVERSE AT A SPACING OF ONE HALF THE WIDTH OF THE SIDEWALK, WITH LONGITUDINAL SCORELINE AT THE HALF WIDTH.
5. WORK SHALL BE IN ACCORDANCE WITH SECTION 73, CONCRETE CURBS AND SIDEWALKS, STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION.
6. EXPANSION JOINTS SHALL BE SPACE MINIMUM OF EVERY 60 FEET.
7. EXPANSION JOINTS SHALL BE FILLED WITH $\frac{1}{2}$ INCH THICK PREMOLDED JOINT FILLER. UNLESS OTHERWISE SPECIFIED BY CITY INSPECTOR, JOINT FILLER SHALL CONFORM TO ASTM DESIGNATION D 1751.



PUBLIC WORKS DEPARTMENT

Drawing File No. S-104

APPROVED: _____

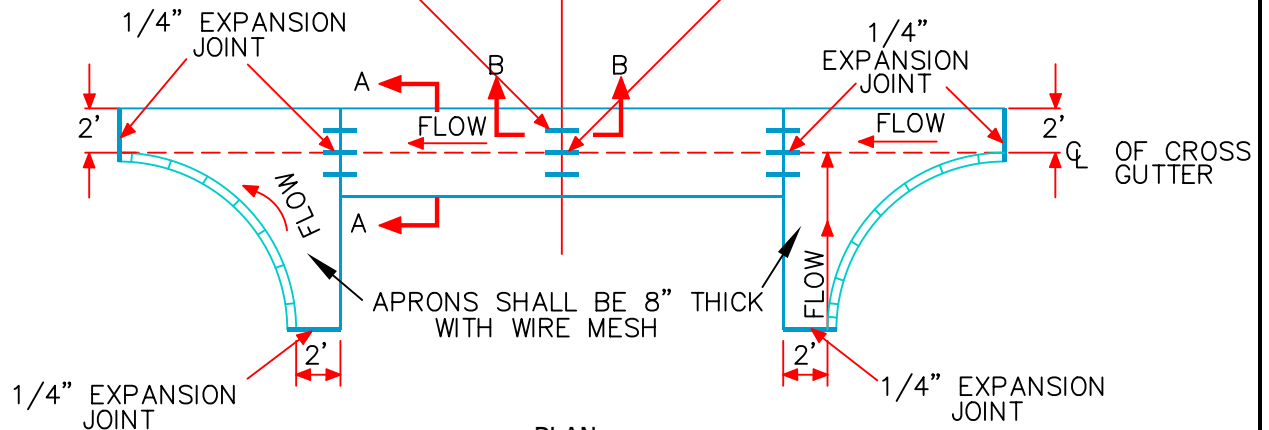
TIMOTHY P. O'HALLORAN, CITY ENGINEER - RCE NO. 49501

STANDARD DRAWING FOR
EXPANSION JOINTS &
SCORE MARKS

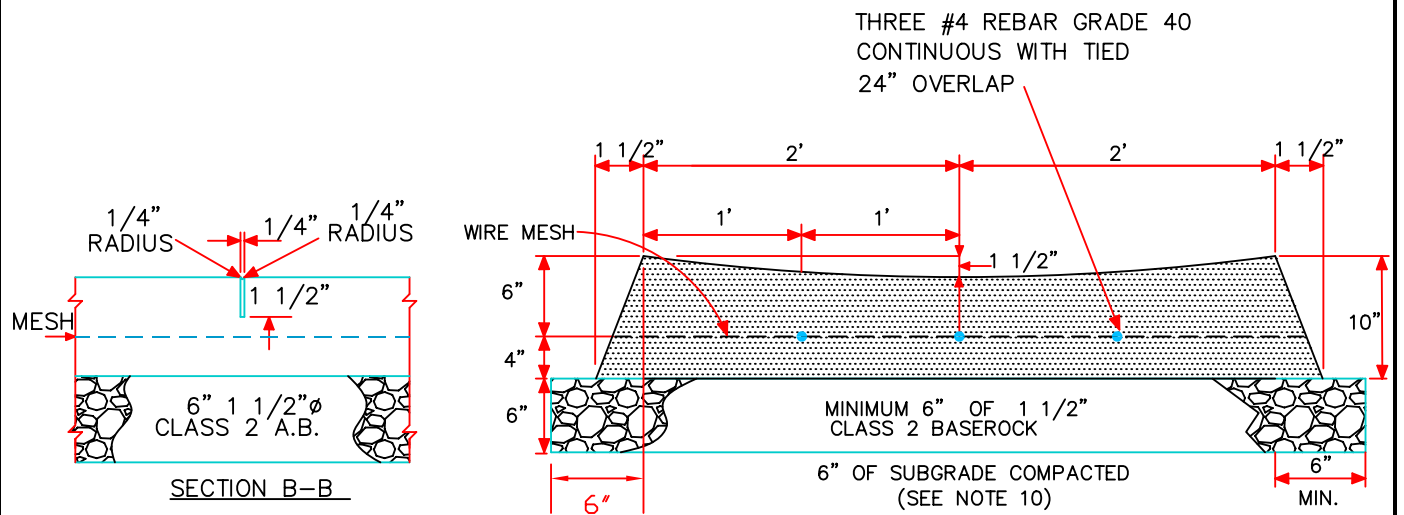
CITY COUNCIL RESOLUTION NO:

DOWELS REQUIRED
IN CENTER ONLY
WHEN NOT POURED
CONTINUOUSLY.

3/4" SMOOTH DOWELS
18" LONG — GREASE ONE END



PLAN



SECTION A-A

NOTES:

1. UNLESS OTHERWISE SPECIFIED, CROSS GUTTER CONSTRUCTION SHALL ADHERE TO REQUIREMENTS OF SECTION 73 OF THE STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION.
2. PAVEMENT SLOPES OF LESS THAN 2% SHALL REQUIRE A CONCRETE VALLEY GUTTER IN PUBLIC AND PRIVATE AREAS.
3. WIRE MESH SHALL BE 6"X6" SQUARES NO. 10 X NO. 10 ELECTRICALLY WELDED WIRE PER A.S.T.M. DESIGNATION A185-53-2
4. THREE #4 REBARS GRADE 40-CONTINUOUS WITH TIED 24" OVERLAP
5. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 20' INTERVALS AT RIGHT ANGLES TO THE FLOWLINE.
6. DOWELS REQUIRED ONLY WHEN GUTTER IS POURED IN PHASES. DOWELS ARE 3/4" SMOOTH, 18" LONG. GREASE ONE END.
7. GUTTER SHALL BE POURED MONOLITHICALLY UNLESS OTHERWISE APPROVED BY CITY INSPECTOR.
8. IF DIRECTIONAL FLOW OF CROSS GUTTER IS OPPOSITE TO THAT SHOWN, THE DETAIL OF FLOW AT EACH CURB WILL BE THAT OF THE OPPOSITE RETURN ON THE LINE OF THE CROSS GUTTER.
9. CONCRETE SHALL BE 3,000 psi COMPRESSIVE STRENGTH IN 28-DAYS (MINIMUM) OR MEET REQUIREMENTS OF SECTION 90-10 OF THE STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION, WHICHEVER IS MORE STRINGENT.
10. BASEROCK TO BE CLASS 2, 1 1/2", COMPACTED TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT.
11. NATIVE SUBGRADE TO BE COMPACTED TO 90% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT.



PUBLIC WORKS DEPARTMENT

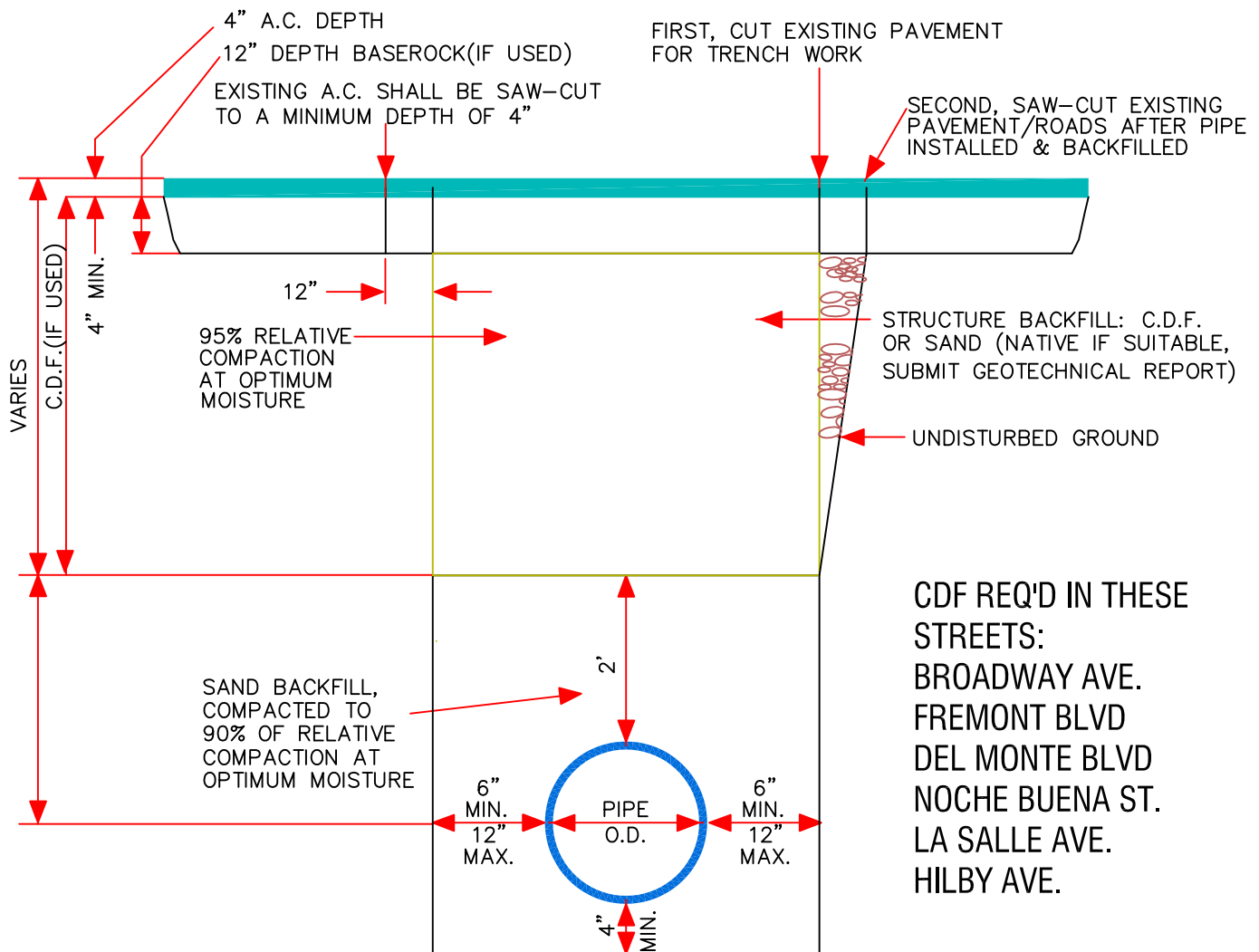
Drawing File No. S-106

APPROVED: _____

TIMOTHY P. O'HALLORAN, CITY ENGINEER - RCE NO. 49501

STANDARD DRAWING FOR
CONCRETE CROSS
GUTTER

CITY COUNCIL RESOLUTION NO:



1. AGGREGATE SHALL BE $\frac{3}{4}$ " OR $1\frac{1}{2}$ " CLASS II BASEROCK, MINIMUM DEPTH 12"
2. TRENCHES SHALL BE EXCAVATED IN A NEAT & WORKMAN LIKE MANNER AT THE STREET SURFACE AND THE SHAPE SHALL BE RECTANGULAR.
3. SAND BACKFILL SHALL MEET CALTRANS SECTION 19-3.
4. NO BEDDING REQUIRED FOR DUCTILE IRON PIPE, EXCEPT WHEN WATER IS IN THE TRENCH.
5. DEPTH FROM FINISH GRADE TO TOP OF PIPE SHALL BE 36" MINIMUM.
6. ALL REPAIR TRENCHES IN EXISTING STREETS SHALL BE BACKFILLED WITH 2' OF SAND OVER PIPE, THEN
 - A) C.D.F. OVER PIPE UP TO WITHIN 4" OF FINISHED GRADE, STEEL PLATED WITH COLD-MIX EDGES FOR A MINIMUM OF 24 HOURS BEFORE FINAL PAVING. COMPACTION TESTING NOT REQUIRED, OR,
 - B) IF C.D.F IS NOT UTILIZED, 4" OF A.C. OF 12" OF CLASS II BASE OVER COMPACTED BACKFILL. FIRST LIFT SHALL BE 2' BEFORE COMPACTION. SUBSEQUENT LIFTS SHALL BE IN 8" LIFTS. CERTIFIED COMPACTION REPORTS SHALL BE SUBMITTED TO THE CITY INSPECTOR.
 - C) C.D.F REQUIRED IN BROADWAY AVE., FREMONT BLVD., DEL MONTE BLVD., LA SALLE AVE., HILBY AVE, AND NOCHE BUENA ST.
 - D) C.D.F. REQUIRED WHEN WIDTH OF TRENCH IS LESS THAN 18" OR TOTAL PATCH AREA LESS THAN 100 SQUARE FEET.
7. ASPHALTIC CONCRETE HOT MIX GREATER THAN 4" SHALL BE PLACED & COMPACTED IN TWO LIFTS. MIX SHALL BE TYPE "A", $\frac{1}{2}$ " MEDIUM MIX.

PUBLIC WORKS DEPARTMENT

Drawing File No. S-601

APPROVED: _____

TIMOTHY P. O'HALLORAN, CITY ENGINEER - RCE NO. 49501

STANDARD DRAWING FOR

TRENCH BACKFILL
SDR LESS THAN 26

CITY COUNCIL RESOLUTION NO:

CITY OF SEASIDE
440 Harcourt Avenue, Seaside, CA 93955
831-899-6825
831-899-6211 Fax

ENCROACHMENT PERMIT

Administrative Use:

Permit Number: _____	Permit Fee: _____
Date Issued: _____	Receipt No: _____
Expiration Date: _____	Bond Amount: _____
	Receipt No: _____

Applicant/Permittee (May be Contractor):

Phone: _____

Address: _____

Contact Person: _____

Contact Phone: _____

Job Address/Location: _____

Cross Streets: _____

Assessor Parcel No: _____

Tract No: _____

Contractor: _____

Phone: _____

Address: _____

State Contractor's License No: _____

Seaside Business License No: _____

Type of Work: Street Improvement Street Excavation Driveway Sidewalk

Project Description: _____

Traffic Control/Lane Drop Required: no
 yes, explain below

Sidewalk Closure Required: no
 yes

Permittee to Notify the Following:

Underground Service Alert 1-800-227-2600

Seaside Police 831-899-6748

Seaside Fire 831-899-6790

Monterey-Salinas Transit, FAX work location to 831-899-7789

AMR Ambulance 831-718-9555

Applicant/Permittee hereby agrees to comply with the Standard Conditions attached to this application, any special provisions which may be attached to this application

and all City Ordinances, Resolutions, Standards and Specifications currently in force. Execution below shall confirm that Applicant/Permittee has received and reviewed the Standard Conditions, understands the same and agrees to be bound thereby.

Specific Standards for Permit # _____:

Signature (below):

Date:

Contractor Applicants, please type or handwrite name:

PERMIT ISSUED BY:

SEASIDE PUBLIC WORKS/ENGINEERING DEPARTMENT

DATE

I have examined the work covered by this permit and find that it is accordance with the standards of the City of Seaside and recommend acceptance.

Encroachment Inspector

Date

Date Bond Released /Reimbursed

Amount

Check No.

CITY OF SEASIDE PERMIT TO ENCROACH

I. STANDARD CONDITIONS

- A. Permittee or Permittee's authorized representative must notify the City of Seaside (the City) at least 48 hours before starting any work under this Permit. Failure to so notify is cause for revocation of Permit. Should Permittee fail to commence the work or project for which this permit was issued within 180 days from the date of issuance set forth above or fail to actively and diligently exercise the privileges of this Permit, the Permit becomes null and void.
- B. The City shall not be responsible for monitoring the Permittee's compliance with any laws or regulations. If the Permittee performs any work knowing or having reason to know that it is contrary to laws or regulations, the Permittee shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such work.
- C. Permittee or Permittee's authorized representative shall notify (underground service alert) at least 24 hours before commencing any excavation necessary to perform the work authorized by this Permit. Permittee agrees to contact and obtain an Inquiry ID Number from (underground service alert) 800 - 422 - 4133 at least two (2) working days prior to commencing work. By signing this Permit application, Permittee acknowledges that Permittee understands the statutes and regulations pertaining to excavation near or in the vicinity of underground utilities and agrees to strictly conform all of Permittee's activities to such requirements. And failure on the part of Permittee to comply with such requirements shall be grounds for the immediate revocation of this Permit.
- D. A copy of this Permit shall be kept at the site of the work throughout the period of operations within the jurisdictional limits of the City and any right-of-way therein and shall be shown to any City employee, agent or duly authorized representative or any law enforcement officer upon demand.
- E. This Permit is valid only for the purpose specified herein. No change to the scope of work as identified in the application and/or drawings submitted therewith is permitted except upon written permission of the City Engineer or his/her duly authorized representative.
- F. Compliance with the American with Disabilities Act (ADA): All work shall be conducted in compliance with all applicable Federal, State, and Local Access Laws, regulations and guidelines including but not limited to the Americans with Disabilities Act Accessibility Guidelines (ADAAG), the Public Rights-of-Way Guidelines (PROWG), Design Information Bulletin 82-05, "Pedestrian Accessibility Guidelines for Highway Projects" and the City's encroachment permit and encroachment permit packet shall be approved by the City's California Licensed Professional Engineer, Licensed Architect, or Licensed Landscape Architect, Activities and uses authorized under this Permit are subject to any instruction of the City Engineer or his/her designated representative, including but not limited to the Public Works Inspector. All instructions must be strictly observed.
- G. Any damage caused to City structures by reason of exercise of this Permit shall be replaced or repaired by Permittee at his/her/its sole expense to the satisfaction of the City. Upon notice of damage to City structures arising from the exercise of this Permit, should Permittee fail to promptly make repairs or replaced the damaged item, the City may make any and all

repairs or replacement or have repairs/replacement made and Permittee will be billed and shall reimburse City for all costs incurred.

- H. Unless otherwise specified herein, this Permit may be revoked or canceled at any time by the City Engineer or his/her duly authorized representative at the sole discretion of the City Engineer or his/her duly authorized representative.
- I. Upon written notice of cancellation or revocation of this Permit for any cause whatsoever, Permittee shall promptly restore City right-of-way and structures to their condition prior to the issuance of the Permit and then shall vacate City property. Should Permittee fail to promptly restore the premises or structures to a condition satisfactory to the City Engineer or his/her duly authorized representative, the City may make any and all repairs or have repairs made and Permittee will be billed and shall reimburse City for all costs incurred.
- J. Unless otherwise specifically provided, all costs incurred by Permittee as a result of the conditions of the Permit or the exercise by City of any right, authority, or reservation contained therein shall be the sole responsibility of and shall be borne entirely by the Permittee.
- K. Issuance of this Permit shall not be construed as an obligation on the part of the City to assume responsibility for any damages incurred to the Permittee's improvements and/or for any injury or death to person(s) or damage to property arising out of the permitted work.
- L. This permit is non-transferable.
- M. The City Engineer or his/her designated representative may cancel the permit if the work authorized herein is not commenced within sixty (60) days of issuance and thereafter, in the opinion of the City Engineer, is not diligently prosecuted to completion. Cancellation may be effected by giving written notice thereof by sending the same to the applicant by ordinary mail to the address shown on the application.
- N. The permittee or permittee's authorized representative shall notify the City Engineer when all work is completed.

II. **INSURANCE**

- A. Permittee shall maintain and provide commercial general liability insurance, with coverage at least as broad as Insurance Services Office form CG 00 01, in an amount not less than \$2,000,000 per occurrence, \$4,000,000 general aggregate, for bodily injury, personal injury, and property damage. The policy must include coverage for contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language will not be accepted. *Any insurance proceeds available to Permittee in excess of the minimum limits and coverage set forth in this Permit and which is applicable to a given loss or claim shall be deemed by this Permit to be applicable to the City.* A certificate of insurance evidencing this coverage shall be provided to the City prior to the start of any work under this Encroachment Permit. The City's Risk Manager may from time to time increase the limits of the required insurance coverage.
- B. The City is to be named as an additional insured with an endorsement in favor of the City.
- C. Coverage provided by Permittee shall be primary and any insurance or self-insurance procured or maintained by City shall not be required to contribute with it. The limits of insurance required herein may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain, or be endorsed to contain

a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of City before the City's own insurance or self-insurance shall be called upon to protect it as a named insured.

- D. A severability of interests provision must apply for all additional insureds ensuring that Permittee's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the insurer's limits of liability. The policy(ies) shall not contain any cross-liability exclusions.
- E. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved in writing.
- F. If Permittee maintains higher limits than the minimums shown above, City requires and shall be entitled to coverage for the higher limits maintained by Permittee. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.
- G. Permittee must also maintain worker's compensation insurance as required by State law.

III. INDEMNITY AGREEMENT

- A. Permittee shall indemnify, defend, and hold harmless City, its officers, employees, and agents from any and all losses, costs, expenses, claims, liabilities, actions, or damages, including liability for injuries to any person or persons or damage to property arising at any time during and/or arising out of or in any way connected with Permittee's authorized activities under the terms of this permit unless solely caused by the gross negligence or willful misconduct of City, its officers, employees, or agents.
- B. It is expressly understood and agreed between the parties to this Permit that this is an agreement and permit for access to and for certain events to occur or work to take place on City property. This Agreement and permit is not a construction contract or an agreement for design professional services as those terms are defined or used under Title 12 of the California Civil Code (§§ 2772 et. seq.).

IV. DUTY TO DEFEND

- A. As an express and material term of City's issuance of this Permit, Permittee agrees to defend, at its sole expense, the Indemnitees from and against any and all Claims arising out of or related to the permitted encroachment. Permittee's duty to defend shall apply immediately upon demand from the Indemnitees for any injury or death to persons or damage to property occasioned by reason of or arising out of the acts or omissions of the City, its officers, employees and/or agents and the acts or omissions of Permittee, his/her/its agents, employees, contractors and subcontractors and/or any other person or entity performing work authorized by this Permit.
- B. In the event of any controversy, claim or dispute arising out of or relating to this Permit or the violation of any covenant contained herein, the prevailing party shall be entitled to receive from the losing party reasonable expenses, including attorney's fees and costs.
- C. The City Engineer or his/her designated representative may, either at the time of the issuance of this permit or at any time thereafter until the completion of the work, prescribe such additional conditions as he/she may deem necessary for the protection of the public property or for the prevention of undue interference with traffic or to assure public safety.

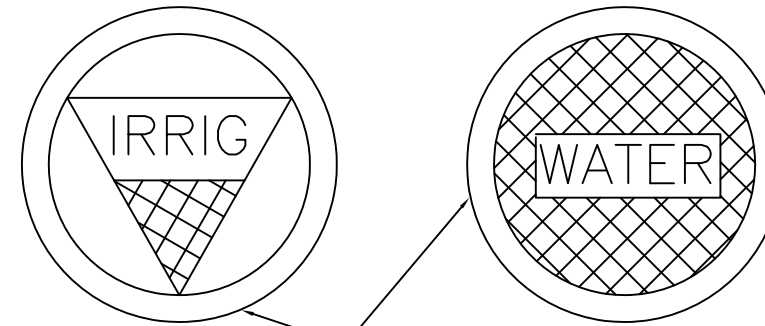
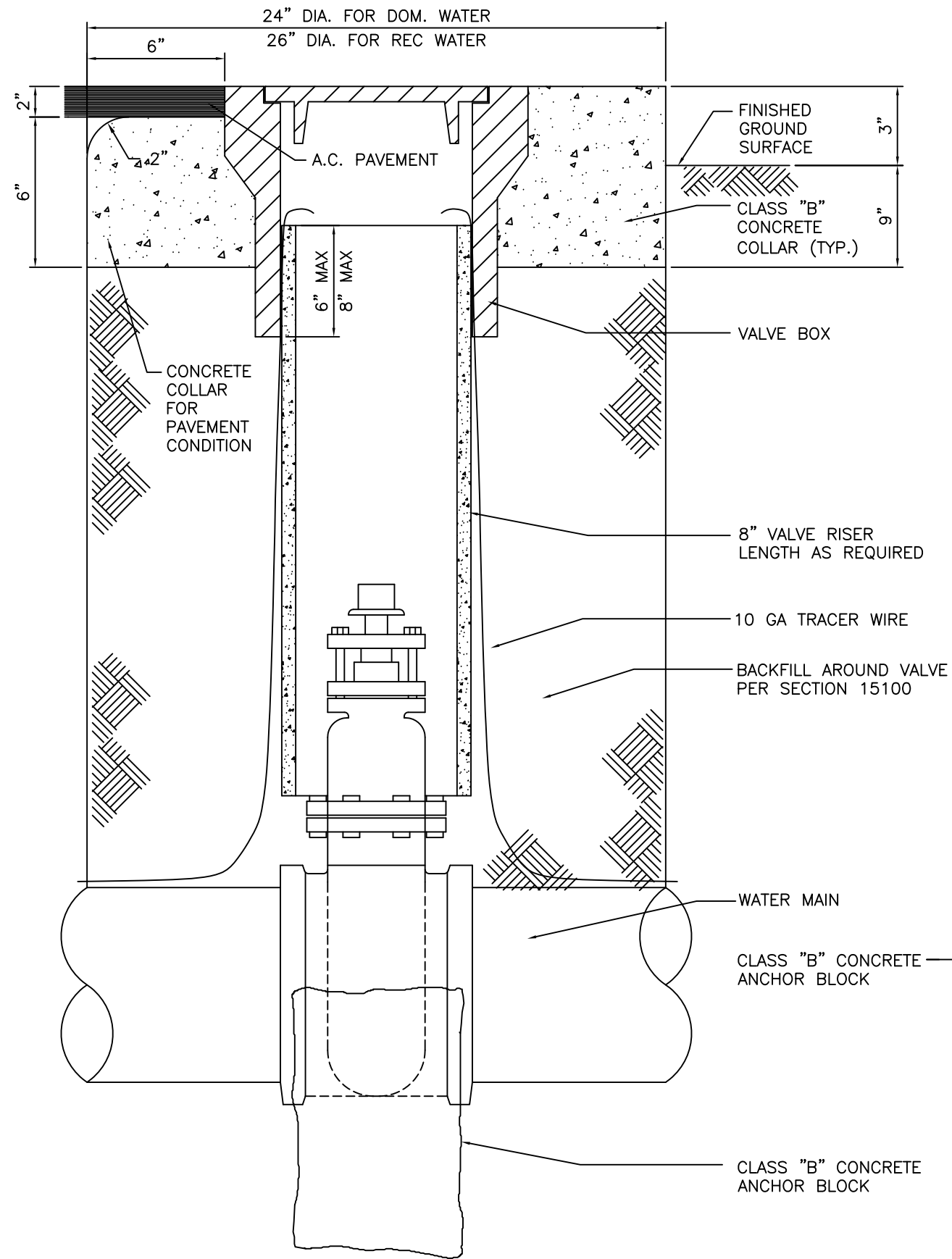
V. OTHER CONDITIONS

- A. **Progress of Work** Work shall proceed as expeditiously as possible. If the work consists of multiple phases, each phase of work must be approved the City before proceeding with the next phase. The City Engineer or his/her designated representative may cancel the permit if the work authorized herein is not commenced within sixty (60) days of issuance and thereafter, in the opinion of the City Engineer, is not diligently prosecuted to completion. Cancellation may be effected by giving written notice thereof by sending the same to the Permittee by ordinary mail to the address shown on the application.
- B. **Care of Drainage** If the proposed work alters surface runoff or interferes with established drainage, ample provisions shall be made by the Permittee to provide adequate drainage and erosion control as approved by the City Engineer. Construction waste or excavated materials will not be allowed to be washed into the storm drain or sewer system.
- C. **Maintenance** The Permittee agrees by acceptance of this permit to exercise reasonable care to properly maintain utilities within the City right of way and to inspect for and immediately repair any damage to any improvement within the right of way which occurs as a result of the Permittee activities.
- D. **Test Results** If necessary, the Permittee shall provide the City Engineer with soil compaction test results. Compliance with compaction requirements shall be certified by a City-approved materials testing laboratory with local experience.
- E. **Pavement Replacement** All pavement that is removed or damaged shall be replaced in accordance with current City of Seaside standards.
- F. **Protection of Traffic** Provide protection for the traveling public. Barricades shall be placed with flashing amber lights at night. Flag persons shall be provided if necessary. Warning signs, lights and temporary traffic control devices shall be placed in conformance with the requirements of the City Engineer or Inspector and the Caltrans Manual of Traffic Control.
- G. **Storage of Materials** No material shall be stored within two (2) feet of the edge of the pavement, sidewalk or traveled way or within the shoulder line where the shoulders are wider than five (5) feet. No supplies or equipment shall be stored on the City Street or right of way.
- H. **Cleanup** Immediately, upon completion of work and after each work day, all material and debris shall be entirely removed. The right of way shall be left in the same or better condition as before work started.
- I. **Conformance of Construction** All construction shall conform to the most current Caltrans and City of Seaside standards and specifications.
- J. **Bond** Prior to permit issuance, the Permittee is required to provide a bond in the form of a Letter of Credit, Cashier's Check, Money Order, Cash, or Surety Bond in an amount determined by the City Engineer. The bond will be in the name of the City of Seaside and be held by or deposited to the City. The bond will be released or refunded to the individual submitting it upon satisfactory completion of the improvements, acceptance of the project by the City, and written request by the Permittee [SMC 12.04.020].
- K. Permittee or Permittee's authorized representative must notify City of Seaside, herein referred to as "City", at least 48 hours before starting any work under this Permit. Failure to so notify is cause for revocation of Permit. Should Permittee fail to commence the work or project for which this permit was issued within 180 days from the date of issuance set forth above or fail to actively and diligently exercise the privileges of this Permit, the Permit becomes null and void.

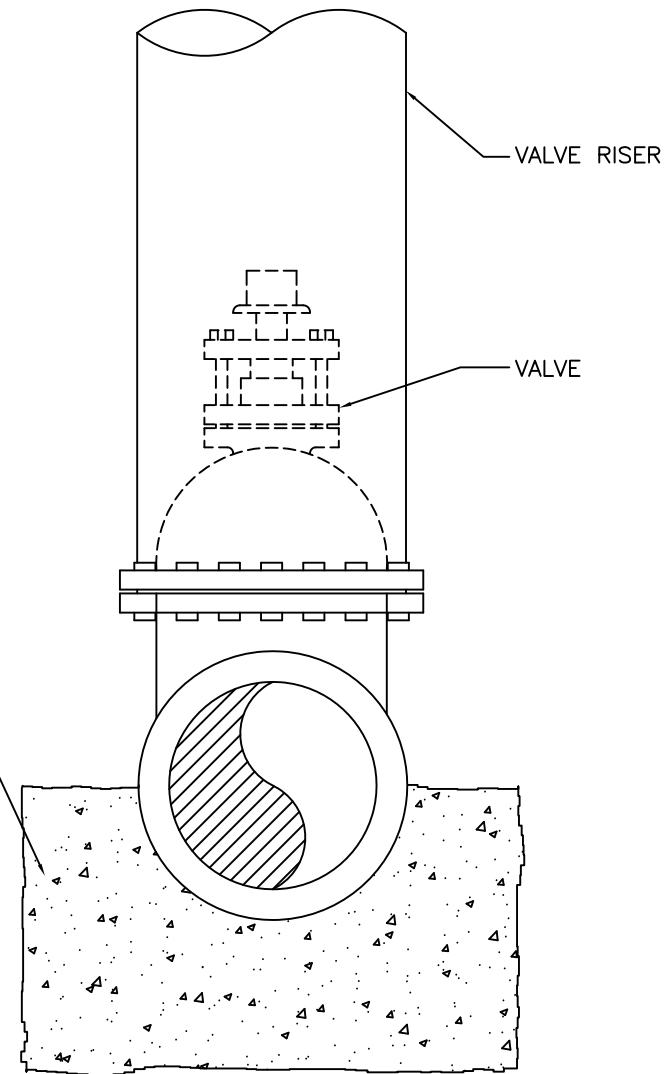
- L. The City of Seaside shall not be responsible for monitoring the Permittee's compliance with any laws or regulations. If the Permittee performs any work knowing or having reason to know that it is contrary to laws or regulations, the Permittee shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such work.
- M. Permittee or Permittee's authorized representative shall notify (underground service alert) at least 24 hours before commencing any excavation necessary to perform the work authorized by this Permit. Permittee agrees to contact and obtain an Inquiry ID Number from (underground service alert) 800 - 422 - 4133 at least two (2) working days prior to commencing work. By signing this Permit application, Permittee acknowledges that Permittee understands the statutes and regulations pertaining to excavation near or in the vicinity of underground utilities and agrees to strictly conform all of Permittee's activities to such requirements. And failure on the part of Permittee to comply with such requirements shall be grounds for the immediate revocation of this Permit.
- N. A copy of this Permit shall be kept at the site of the work throughout the period of operations within the jurisdictional limits of the City of Seaside and any right-of-way therein and shall be shown to any City of Seaside employee, agent or duly authorized representative or any law enforcement officer upon demand.
- O. This Permit is valid only for the purpose specified herein. No change to the scope of work as identified in the application and/or drawings submitted therewith is permitted except upon written permission of the City of Seaside Engineer or his/her duly authorized representative.

VI. DOCUMENTS INCORPORATED BY REFERENCE

- A. The following documents are incorporated into this encroachment permit.
 - a. City Standard Plans
 - b. Caltrans Standard Plans
 - c. Caltrans Standard Specifications
- B. In the event of conflict in the referenced documents for this encroachment permit, the order of precedence from highest to lowest shall be as follows;
 - i. Permits and Licenses
 - ii. Project Specific Conditions found in Exhibit B to the Encroachment Permit
 - iii. Standard Conditions found in Exhibit A to the Encroachment Permit
 - iv. Project Plans
 - v. Revised Standard Specifications
 - vi. Standard Specifications
 - vii. Revised Standard Plans
 - viii. Standard Plans
 - ix. Supplemental project information.



IRON COVER WITH WORD "WATER" CAST THEREON FOR DOMESTIC WATER LINES OR "IRRIG" FOR RECYCLED WATERLINES.



NOTES:

- 1 - PROVIDE VALVE STEM EXTENSION IF DEPTH TO VALVE NUT EXCEEDS 4 FEET.
- 2 - WHERE CONCRETE GUTTERS AT STREET INTERSECTIONS WILL INTERFERE WITH VALVE BOXES, CONSULT WITH ENGINEER. THE PIPELINE MAY NEED TO BE MOVED TO A POSITION 7 FEET OFF THE CURB FACE TO CLEAR THE CROSS GUTTER.
- 3 - VALVES TO BE LOCATED ADJACENT TO FITTINGS WHEREVER POSSIBLE.
- 4 - WHERE VALVES ARE SHOWN LOCATED NEAR FITTINGS, VALVES SHALL BE BOLTED TO FITTINGS WITH FLANGED CONNECTIONS AT THE FITTING AND VALVE AND WILL NOT REQUIRE A THRUST BLOCK.
- 5 - THIS DETAIL APPLIES ONLY TO GATE VALVES 12 INCHES AND SMALLER.

APPROVED BY
DISTRICT
ENGINEER

DATE
11/2007



MARINA COAST WATER DISTRICT STANDARD PLAN

VALVE & VALVE BOX INSTALLATION
(MODIFIED FOR RUWAP)

STANDARD

W-7

SHEET 1 OF 1

DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
MINING AND TUNNELING UNIT
2424 Arden Way, Suite 125
Sacramento, California 95825
doshMTsac@dir.ca.gov



Telephone (916) 574-2540
FAX (916) 574-2542

May 24, 2017

Marina Coast Water District
2840 4th Avenue
Marina, CA. 93933

Attention: Kathleen Mannion

Subject: Project: 17047 – Regional Urban Water Augmentation Project, Monterey County
Classification: Potentially Gassy With Special Conditions
Number Attached: Example 2 (A-B)

The information provided to this office relative to the above project has been reviewed. On the basis of this analysis, Underground Classifications of "Potentially Gassy With Special Conditions" have been assigned to the tunnels identified on your submittal. Please retain the original Classifications for your records and deliver a true and correct copy of each Classification to the tunnel contractor for posting at the job site.

When the contractor who will be performing the work is selected, please advise them to notify this office to schedule the mandated Pre-Job Conference with the Division prior to commencing any activity associated with boring of the tunnels. A Pre-Job Request Form is enclosed.

Should you have another bore under construction that is not required to have an Underground Classification (i.e.: less than 30 inches in diameter), please contact the Mining and Tunneling Unit prior to any employee entry of such a space.

If you have any questions on this subject, please contact this office at your earliest convenience.

Sincerely,

A handwritten signature in black ink that reads "Douglas Patterson". The signature is stylized and written over a horizontal line.

Douglas Patterson
Senior Engineer

enc: Classifications
Pre-Job Request Form

cc: kmannion@carollo.com

REQUEST FOR PRE-JOB (TUNNEL)

ATTACH COPY OF CLASSIFICATION AND DIESEL PERMIT

Company Name: _____

Phone _____ FAX: _____

DATE FAXED: _____

PLEASE NOTE: THE BORING CONTRACTOR SHOULD SCHEDULE THE PREJOB AS FAR IN ADVANCE AS POSSIBLE - AT LEAST 3-4 DAYS IN ADVANCE. THE DIVISION REQUIRES THE JOB TO BE SET UP WHEN THE FIELD ENGINEER ARRIVES FOR THE PREJOB. THIS MEANS THAT THE BORE PIT HAS BEEN DUG AND PROPERLY GUARDED, THE CRANE IS IN PLACE AND READY TO LIFT, THE BORING MACHINE IS IN THE PIT AND READY TO GO, AND THE CREW IS READY TO BEGIN BORING THE TUNNEL. IF THERE IS A DELAY IN SETTING UP THE JOB, THE BORING CONTRACTOR SHOULD CONTACT THE DIVISION IMMEDIATELY.

PRE-JOB REQUEST DATE & TIME: _____

ON-SITE SUPERVISOR & CELL NO.: _____

CLASSIFICATION #: _____ DIESEL PERMIT #: _____

BORE DIAMETER AND LENGTH: _____ (Diameter) _____ (Length)

IS BORE ENTRY ANTICIPATED? YES NO
(Circle One)

You MUST contact the Division if entry is planned, REGARDLESS of the bore diameter.

MANNER OF EXCAVATION: _____

JOB-SITE LOCATION AND DIRECTIONS: _____

GENERAL CONTRACTOR: _____

SUBMITTED BY: _____

REVIEWED BY: _____ DATE: _____

Mining & Tunneling Unit, District 1
2424 Arden Way, Suite 125
Sacramento, California 95825-2400
(916) 574-2540; FAX: (916) 574-2542

Mining & Tunneling Unit, District 2
6150 Van Nuys Blvd., Suite 310
Van Nuys, California 91401-3333
(818) 901-5420; FAX: (818) 901-5579

Mining & Tunneling Unit, District 3
464 West Fourth Street, Suite 354
San Bernardino, California 92401-1442
(909) 383-6782; FAX: (909) 388-7132



State of California

Department of Industrial Relations

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
MINING AND TUNNELING UNIT

Underground Classification

17047A053CT

MARINA COAST WATER DISTRICT

of 2840 4TH AVENUE; MARINA, CA. 93933
at REGIONAL URBAN WATER AUGMENTATION PROJECT
has been classified as *** POTENTIALLY GASSY WITH SPECIAL CONDITIONS ***

as required by the California Labor Code § 7955.

The Division shall be notified if sufficient quantities of flammable gas or vapors have been encountered underground. Classifications are based on the California Labor Code Part 9, Tunnel Safety Orders and Mine Safety Orders.

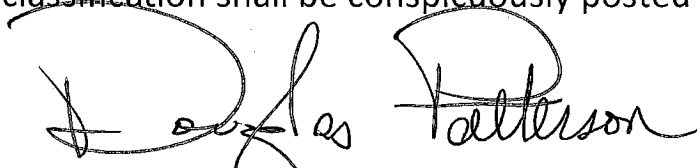
SPECIAL CONDITIONS

1. A Certified Gas Tester shall perform pre-entry and continuous monitoring of the underground environment to measure Oxygen and detect explosive, flammable, and toxic gasses whenever an employee is working in the underground environment.
2. Mechanical ventilation shall provide for continuous exhaust of fumes and air at any time an employee is working in the underground environment. The primary ventilation fans must be located outside of the underground environment and shall be reversible by a single switch near the fan location.
3. The Division shall be notified immediately if any Flammable Gas or Petroleum Vapor exceeds 5% of the Lower Explosive Limit.
4. All utilities that may be in conflict with the project shall be identified and physically located (potholed) prior to the start of project operations.

STORM DRAINS, GAS LINES, AND SANITARY SEWER PIPELINE

The 42-inch diameter 200-foot-long tunnel bore beneath Reservation Road located at the intersection of Reservation Road and Crescent Avenue in Marina CA, Monterey County.

This classification shall be conspicuously posted at the place of employment.



Douglas Patterson, Senior Engineer

May 24, 2017



State of California

Department of Industrial Relations

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
MINING AND TUNNELING UNIT

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3. The Division shall be notified immediately if any Flammable Gas or Petroleum Vapor exceeds 5% of the Lower Explosive Limit.
4. All utilities that may be in conflict with the project shall be identified and physically located (potholed) prior to the start of project operations.

WATER LINES, SANITARY SEWER PIPELINE, AND STORM DRAIN

The 42-inch diameter 180-foot-long tunnel bore beneath Imjin Parkway located at the intersection of Imjin Parkway and California Avenue in Marina CA, Monterey County.

This classification shall be conspicuously posted at the place of employment.

Douglas Patterson, Senior Engineer

May 24, 2017