

CITY OF CORONADO
CALIFORNIA

STANDARD SPECIAL PROVISIONS
FOR
PERMIT CONSTRUCTION

FORWARD

I. PURPOSE

These Standard Special Provisions provide standardized specifications governing work done under permits issued by the City Engineer. They constitute conditions attached to such a permit.

II. REFERENCED PLANS AND SPECIFICATIONS


These Special Provisions make reference to standard specifications and drawings widely used in the San Diego region to control public works construction and contain revisions and additions which supplement these regional drawings. Unless the context of the added or supplemental material clearly appears to the contrary, the revisions and additions hereinafter set forth do not replace the provisions of the Standard Specifications and Regional Standard Drawings except to the extent that they are in conflict. Section and subsection numbers correspond with numbering in the Standard Specifications. Where necessary, additional subsections have been added.

III. CONTRACTOR LICENSE

No work shall be performed within public rights-of-way or on public property by anyone who is not licensed as a contractor in accordance with the provisions of Chapter 9 of Division 3 of the California Business and Professions Code.

IV. PRIVATE CONTRACT WORK

Private contract work referred to in the Standard Specifications and these Special Provisions is construction for which the City issues a permit in accordance with Chapter 52.10 of the Municipal Code. A contractor operating under such a permit is presumed to be acting as an agent of the owner, or other individual, charged with responsibility for accomplishing the work where it is a condition of any other permit, license or agreement approved by the City Council or issued by another City official pursuant to the Municipal Code.



Ed Walton, City Engineer
City of Coronado

May 27, 2008
Date

FILED IN THE CITY CLERK'S OFFICE

PART 1

GENERAL PROVISIONS

SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS AND SYMBOLS

1-2 DEFINITIONS

Agency	The City of Coronado
Board	The City Council of the City of Coronado
Engineer/Inspector	The representative of the City Engineer who is assigned to inspect conformance of the work in accordance with the plans and specifications.

SECTION 2 – SCOPE AND CONTROL OF THE WORK

2-5 PLANS AND SPECIFICATIONS

2-5.1 General. Except as otherwise noted or specified in plans approved by the City Engineer or other permit conditions, the work shall be done in accordance with the following referenced documents, which are on file in the Engineering and Project Development Department and which are part of general permit conditions.

<u>Document</u>	<u>Date Filed</u>
Standard Specifications for Public Works Construction, 2006 Edition	April 2007
San Diego Regional Standard Drawings, 2006 Edition, with Drawings G-2, G-16, G-25, And G-33 modified by Coronado annotations. DO NOT USE G-36 IN CORONADO.	April 2007
City of Coronado Standard Special Provisions (this document)	June 2008

Copies of these City Standard Special Provisions and the City-annotated Regional Standard Drawings are available from the Engineering and Project Development Department, 1825 Strand Way, Coronado, California 92118.

2-9 SURVEYING

2-9.1 Permanent Survey Markers. The Contractor shall not disturb permanent survey monuments or benchmarks without the consent of the City Engineer, and the Permittee shall bear the expense of replacing or resetting any markers that may be disturbed. Replacement or resetting of any marker shall be done only by a California licensed engineer or land surveyor.

SECTION 6 – PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-11 GUARANTEE

Attention is called to this subsection's requirement that the Contractor shall guarantee all work and material for a period of one year following completion and acceptance by the City.

SECTION 7 – RESPONSIBILITIES OF THE CONTRACTOR

7-5 PERMITS

In addition to the permit issued by the City Engineer, the contractor shall obtain all other permits required by the nature of the work or the contractor's operations, and shall pay all costs incurred by permit conditions. No work shall begin until such permits have been received; and the City Engineer shall be notified twenty-four (24) hours prior to the proposed commencement of operations with the following exception:

A contractor or utility agency may perform the work prior to obtaining a permit for emergency repairs of utilities. Permits must be applied for, under this condition, on the first regular work day following the emergency repair. All contractors performing work under this condition must possess a current City of Coronado business license, a current contractor's license for the type of work being performed that is clear and in good standing, and have a current certificate of insurance with limits as outlined in Subsection 7-3 of the Standard Specifications for Public Works Construction on record in the City of Coronado Engineering and Project Development Department prior to performing the emergency repairs.

7-6 CONTRACTOR'S REPRESENTATIVE

The Contractor's representative shall be on the job site during all inspections, and where future work is contingent upon satisfactory completion of the items being checked, the continuing operations shall not proceed until after receipt of approval from the appropriate inspector.

7-10 PUBLIC CONVENIENCE AND SAFETY

7-10.2 Storage of Equipment and Materials in Public Streets. Approval in writing must be obtained from the City Engineer to store equipment or materials within public rights-of-way.

7-10.3 Street Closures, Detours, Barricades. No street will be closed to traffic or restricted in its number of travel lanes unless written authorization has been obtained from the City Engineer. The Contractor is responsible for posting "no parking" signs on any section of street where such a prohibition is necessary to allow the work to be accomplished. Such signs shall also give specific information as to the dates and times when parking is prohibited, and shall be posted three (3) calendar days before the effective date. If weather or other circumstances prevent work to be finished before expiration of the posted parking ban, new signs with revised "no parking" information shall be posted at least twenty-four (24) hours before any tow-aways

are requested by the Police Department. It is the Contractor's responsibility to contact the Police Department and arrange for tow-aways, and such arrangements shall be made no later than the day before tow-aways will be needed on any section of the street. The Contractor shall inform the Police and Fire Departments of street closures, traffic diversions and parking restrictions three (3) calendar days before these exercises are initiated.

For convenience to the Contractor in complying with the provisions of this section, the following telephone numbers are listed:

Emergency	911
Fire Department	(619) 522-7374
Police Department	(619) 522-7350
Engineering Department	(619) 522-7383
Traffic Signal Maintenance	(619) 522-6554
Public Services Department	(619) 522-7380

Upon completion of each day's work, the Contractor shall leave the work area free of hazards and shall provide all necessary temporary signs, warning devices and barricades. Temporary access is to be provided for all adjacent property during nonconstruction hours.

7-10.4 Public Safety.

7-10.4.1 Safety Orders. Before excavating any trench 1.5m (5 feet) or more in depth, the Contractor shall certify by signing a statement that a permit will be or has been obtained from the State Division of Occupational Safety. The statement must be signed prior to issuance of the City's permit and will be retained in the City Engineer's files.

7-10.4.3 Public Safety During Non-Working Hours. Notwithstanding the Contractor's primary responsibility for safety on the job site when the Contractor's personnel are not present, the Engineer, at his option, after attempting to contact the Contractor, may direct City forces to perform any functions he may deem necessary to ensure public safety at or in the vicinity of the job site. If such procedure is implemented, the Contractor will bear all expenses incurred by the City.

In all cases the judgment of the Engineer shall be final in determining whether or not an unsafe situation exists.

7-13 LAWS TO BE OBSERVED

7-13.1 Noise Control. Contractor shall adhere to the applicable provisions of Title 41 of the Coronado Municipal Code, Noise Abatement and Control Regulations; and, in particular, shall observe the construction noise curfew between 7:00 p.m. and 7:00 a.m. on any weekday and at all times on Sundays and holidays.

SPECIAL PROVISIONS

PART TWO

CONSTRUCTION MATERIALS

SECTION 201 – CONCRETE, MORTAR AND RELATED MATERIALS

201-1 PORTLAND CEMENT CONCRETE

201-1.1 Requirements.

201-1.1.1 General. Prepackage unmixed concrete shall not be allowed.

SECTION 208 – PIPE JOINT TYPES AND MATERIALS

208-2 JOINTS FOR CLAY PIPE

Unless approved by the City Engineer, only types “D” or “G” joints may be used. For curved sewers, only type “G” joints are allowed.

PART THREE

SECTION 300 - EARTHWORK

300-1 CLEARING AND GRUBBING

300-1.3 Removal and Disposal of Materials.

300-1.3.1 General. The Contractor shall make arrangements for lawful disposal of materials removed during clearing and grubbing operations and for surplus excavated material. Such arrangements shall not create a nuisance or hazard to the public, and if notified by the Engineer, any questionable disposal action underway shall cease immediately.

300-1.3.2 Requirements. All asphalt concrete pavement removals and replacements shall not be less than twelve (12) inches in width. Portland cement concrete removals and repaving shall not be less than thirty (30) inches in either length or width.

SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

303-5 CONCRETE CURB, WALK, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS AND DRIVEWAYS

303-5.1 Requirements.

303-5.1.4 Curb and Gutter. Type G Curb and Gutter, as shown on Regional Standard Drawing G-2 (Coronado’s Annotation) shall be used unless otherwise shown on the plans.

303-5.1.5 Cross Gutters. Cross gutter width shall be ten (10) feet unless otherwise shown on plans. See Regional Standard Drawing G-12.

303-5.4 Joints.

303-5.4.2 Expansion Joints. In addition to joints at the end of all returns, one-half inch expansion joints shall be constructed in curb, gutter and sidewalk on both sides of driveways and drainage structures and at 30-foot intervals in other sections throughout the length of construction. One-half inch expansion joints shall be constructed between cross gutters and curb return aprons rather than the contract joints shown on Regional Standard Drawing G-12.

303-5.5 Finishing.

303-5.5.2 Curb. Application of Class "B" mortar to curb face is not required. Stamping contractor's name and year into curb is prohibited.

When a straight edge ten (10) feet long is laid on the finished top or face of the curb, or on the surface of the gutter, the finished surface shall not vary more than one-eighth (1/8) inch from the edge of the straight edge, except at grade changes or curbs.

303-5.7 Repairs and Replacements. The Contractor shall protect all new concrete surfaces against physical damage or visual defects (i.e., writing, sketches, foot and handprints) until the work is approved and accepted by the Engineer. No grinding or patching will be permitted to correct defaced concrete; only total replacement will be accepted.

SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

306-1 OPEN TRENCH OPERATIONS

306-1.1 Trench Excavation.

306-1.1.6 Bracing Excavations. The City Engineer does not inspect for safety; therefore, the Contractor shall obtain a permit from the Division of Occupational Safety prior to any trenching operations by filing the required application.

306-1.2 Installation of Pipe.

306-1.2.1 Bedding. Disintegrated granite will not be permitted in the pipe zone.

306-1.3 Backfill and Densification. Backfill shall be a select material as shown on the plans and as specified herein and shall have the following minimum compaction requirements:

Sidewalk	95%
Other hardscape	95%
All other locations	90%

Where trenches are located in streets, alleys or other paved areas, the upper one foot of trench backfill must be compacted to a relative density of 95 percent.

306-1.5 Trench Resurfacing.

306-1.5.2 Permanent Resurfacing. Where the existing pavement is asphaltic concrete, permanent trench resurfacing shall, ordinarily, conform to Type "B" as shown on Regional Standard Drawing G-24. Where the entire street is to be resurfaced following completion of pipe work, however, trench resurfacing shall conform to Type "A". Type "C" resurfacing as shown on Regional Standard Drawing G-25 shall be used to restore Portland cement concrete pavement. Type "D" resurfacing will not be used.

Asphalt concrete used for resurfacing shall be C2-AR 4000. A prime coat (MC 70) shall be required where the thickness of AC is five (5) inches or less. Base material shall be Caltrans Class II base, except that full-depth AC may be substituted for aggregate material.

Any surface improvements damaged, undermined, tunneled under or removed by the Contractor's operations shall be replaced unless otherwise specified by the plans and specifications. The Engineer may require a 3/4-inch thick AC overlay (D1-AR-4000) of the entire street area where existing pavement is damaged by the Contractor's operations. The extent of such an overlay shall be determined by the Engineer.

306-9 MANHOLES

Manholes shall be constructed from precast Portland cement concrete components conforming to ASTM C-478 Standards, but without steps. Precast sections shall be cured to minimum seven-day strength prior to delivery to the construction site.

Time between stacking precast sections shall be prescribed by the Engineer.

When pipe size increases downstream at a manhole, match crown elevations of pipes entering and leaving the manhole.

Provide one-tenth foot (1/10') drop in the flow line from any entering pipe where flow is deflected more than 45 degrees.

Any pipe located within a manhole shall be included as a part of the manhole.

When a manhole is installed in a paved street, the manhole cover frame shall be set or raised to pavement grade and paving extended so that the top of the frame and cover is flush with the existing pavement.

306-10 SEWER LATERAL

306-10.1 General. Sewer lateral construction shall conform to Regional Standard Drawing S-13, but a locator wire is not required at the street property line if the lateral is extended to the building before the trench is backfilled.

Laterals with less than 18" cover (measured from top of pipe) shall be concrete encased. Concrete encasement shall be a minimum of six (6) inches around all sections of pipe. Concrete shall be a mix design of 470-C-2500.

306-10.2 Connecting to Existing Main. Unless otherwise directed by the Engineer, field jointing of laterals to existing sewer mains shall be constructed in one or the other of the following methods:

Method A: Use a vitrified clay collar wye saddle and seal the connection joint with an epoxy resin compound, such as Wyn-Stik ES-4A or approved equal, applying the compound in accordance with the manufacturer's specifications and instructions. After sealer compound has set, surround (ball) the entire joint area with three inches (3") of Class "C" mortar conforming to Subsection 201-5.1. Connections to sewer mains 12 inches and larger shall have the opening for the lateral made by core drilling through the wall of the sewer main.

Method B: Use a PVC wye saddle with rubber gaskets and stainless steel straps. Install the connections in accordance with the manufacturer's specifications and instructions. Encase all stainless steel components with an 8-mil thickness polyethylene wrap, taping ends to pipe. Following installation, surround (ball) the entire joint area with three inches (3") of Class "C" mortar conforming to Subsection 201-5.1. Connections to sewer mains 12 inches and larger shall have the opening for the lateral made by core drilling through the wall of the sewer main.

Method C: Use a standard vitrified clay pipe wye section connecting to the existing sewer main with mechanical compression couplings having rubber gaskets and stainless steel take-up clamps. Encase all stainless steel components with an 8-mil thickness polyethylene wrap, taping ends to pipe. Following installation, surround (ball) the entire joint area with three inches (3") of Class "C" mortar conforming to Subsection 201-5.1.

All field jointing shall be inspected by the Engineer prior to P.C.C. "balling" and backfilling.