

The City of

SAN DIEGO

The logo graphic consists of three overlapping semi-circular shapes on the right side of the word 'DIEGO'. The top shape is yellow, the middle is blue, and the bottom is teal.

Development Services Department
Industry Meeting

December 08, 2016

www.sandiego.gov/development-services

DSD Engineering Division

DSD's Engineering Division consists of 11 Sections Involved with Discretionary and Ministerial Review

Gregory Hopkins, PLS

Deputy Director, City Land Surveyor

Laura Black, AICP - Program Manager

Transportation • Traffic Safety • Geology • Mapping • Addressing • CIP Coordination

Edric Doringo, PE – Program Manager

Discretionary Engineering • Drainage & Grades • Public Utilities • Storm Water • Permitting



DSD Engineering Division

Senior Engineering Division Section Heads

Ann Gonsalves – Transportation

Louis Schultz – Disc. Engineering

Edd Alberto – Traffic Safety

Thomas Bui – Drainage and Grades

Jim Quinn – Geology

Leonard Wilson – Public Utilities

Fred LePage – Mapping & Addressing

Walter Gefrom – Storm Water

Farah Mahzari – CIP Coordination/
Special Projects

Tony Khalil - Permitting

Agenda

- Announcements / Recent Trends / Engineering Division Updates
- Street Preservation Ordinance – Non-Moratorium Street Restoration
- Monumentation
- Construction Documentation for Excavation in the Public Right of Way
- Process Topics
 - Geology – Site Reconnaissance, Infiltration/Percolation Test
 - State Storm Water Compliance (MS4)
 - Fees
- Q&A



Street Preservation Ordinance

Municipal Code 62.1206 Moratorium Streets

Municipal Code 62.1207 Excavation Moratorium Waivers

<https://www.sandiego.gov/cip/newscenter/engineerannouncements>

Concrete Streets – Replace impacted panels, joint to joint.

Non-moratorium street restoration requirements – Projects with trenches greater than 6 inches will be required to slurry seal, curb to curb, the excavation limits and influence area.



Monumentation

- Monuments are used to maintain and control the integrity and continuity of adjoining properties, neighborhoods, subdivisions, roads, highways, cities, counties, states and countries
- It has been observed up and down the state that public and private construction projects have destroyed thousands of survey monuments. The potential for conflicts and uncertainty of boundaries escalates.
- Over the counter permits - must hire a licensed land surveyor to perform monument perpetuation. This information must be passed on to the RE prior to any demolition.



Monumentation

State Law

Business & Professions Code 8771(b): ...the monuments shall be located and referenced by or under the direction of a licensed land surveyor or registered civil engineer prior to the time when any streets, highways, other rights-of-way, or easements are improved, constructed, reconstructed, maintained, resurfaced, or relocated...

It shall be the responsibility of the governmental agency or others performing construction work to provide for the monumentation required by this section. It shall be the duty of every land surveyor or civil engineer to cooperate with the governmental agency in matters of maps, field notes, and other pertinent records.

Monumentation

- Monuments must now be shown on all plans being permitted through Development Services
- All D-Sheets and Construction Plans (Large format and standard format) will have a new standard note regarding monument preservation. We are currently working on getting this note on the building plan sets.
- The following slide is our new standard survey note:

Monumentation

- PRIOR TO DEMOLITION, THE CONTRACTOR SHALL FURNISH THE RESIDENT ENGINEER WITH A LETTER FROM A LICENSED LAND SURVEYOR THAT HAS RESEARCHED AVAILABLE RECORDS AND FIELD INSPECTED THE SITE STATING THAT NO SURVEY MONUMENTS EXIST IN THE AREA TO BE DEMOLISHED OR WILL BE DISTURBED OR DESTROYED DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACING ALL SURVEY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY CONSTRUCTION. PRIOR TO CONSTRUCTION, SURVEY MONUMENTS THAT ARE LOCATED IN THE CONSTRUCTION WORK AREA SHALL BE TIED-OUT AND REFERENCED BY A LAND SURVEYOR. UPON COMPLETION OF CONSTRUCTION, ALL DESTROYED SURVEY MONUMENTS ARE REQUIRED TO BE REPLACED AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE PREPARED AND FILED WITH THE COUNTY SURVEYOR AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA.



Construction Documentation for Excavations within the Public R/W

- **§62.1201 Purpose**

“This Division shall govern excavation in the public right-of-way within the City. Excavations degrade and shorten the life of the sidewalks, roads and facilities within the public right-of-way. The purpose of this Division is to provide policies and procedures to facilitate excavation in the public right-of-way, while minimizing damage to public infrastructure and ensuring public safety. It is the further purpose of this Division to establish cost recovery mechanisms for all costs to the City resulting from excavations in the public right-of-way.”

- **§62.1202 Departmental Orders and Regulations**

“The City Engineer may adopt such orders or regulations necessary to implement this Division and to preserve and maintain the public health, safety, welfare, and utility of the public right-of-way. Each excavation in the public right-of-way shall be performed in accordance with City Standard Plans, specifications, orders, and regulations, unless the City Engineer, in his or her discretion, grants prior written approval to deviate from any such standard plans, specifications, orders, or regulations. The City Engineer shall develop and maintain guidelines to implement the approval of any deviations and shall document such deviations.”



Construction Documentation for Excavations within the Public R/W

- ***§129.0720 Qualifications to Prepare Plans and Perform Construction Work in the Public Right-of-Way or Public Service Easement***

“The preparation of plans for and the construction of work regulated by this division shall only be performed by persons with the following qualifications: (a) Public Improvement Plans required for work authorized under this division shall be prepared by a civil engineer licensed by the State of California...”

- ***§129.0741 Issuance of a Public Right-of-Way Permit***

(a) A Public Right-of-Way Permit may be issued after the construction plans have been approved by the City Engineer, the prescribed fees have been paid, the required insurance has been guaranteed, and the required bond has been posted. (b) A Public Right-of-Way Permit shall not be issued for a development that requires a development permit until the development permit has been issued.

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)



Construction Documentation for Excavations within the Public R/W

Construction Plan: Services/Laterals

<https://www.sandiego.gov/development-services/industry/information/standtemp>

<p style="text-align: center;">THIS CONSTRUCTION PLAN IS NOT VALID UNLESS AN ENGINEERING PERMIT IS ATTACHED</p> <p style="text-align: center;">DEVELOPMENT SERVICES DEPARTMENT CONSTRUCTION PLAN</p> <p style="text-align: center;">1222 FIRST AVENUE SAN DIEGO, CA 92101-4185 619-449-5000</p> <p style="text-align: center;">The City of San Diego</p>	<p>APPLICANT/PROJECT NO. _____</p> <p>BUILDING PROJECT NO. _____</p> <p>INTERNAL ORDER NO. _____</p> <p>PROJECT TRACKING NO. _____</p> <p>STREET ADDRESS _____</p>	<p>NOTES</p> <ol style="list-style-type: none"> 1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN ("TCP") FOR APPROVAL PRIOR TO STARTING WORK. THE PLANS SHALL BE SUBMITTED TO THE TRAFFIC CONTROL POINT COUNCIL AT THE ADDRESS IN THE ABOVE HEADLINE, ON THE 3RD FLOOR, ROOM 22. FOR QUESTIONS, CALL (619) 444-5300. THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL EFFECT A BIG STOP OR AN EXISTING TRAFFIC SIGNAL, OR WILL RESUME A ROAD OR ALLEY CLOSE. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SITS AND ADO ON ADJACENT STREETS, DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY, AT THE END OF EACH WORK DAY, OR PRIOR TO A STOP WORK EVENT THAT CAUSES A BREACH IN INSTALLED CONSTRUCTION BARRS THAT COMPROMISES STORM WATER QUALITY WITHIN ANY STREETS. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. 4. A COMPLETE RECORD SHALL BE PROVIDED ON ALL PROJECTS THAT PROPOSE THE CONSTRUCTION OF CONCRETE IMPROVEMENTS THAT ARE TO BE PROVIDED IN PLACE ON SITE. 5. BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT (800) 442-4143. 6. PRIOR TO ANY DISTURBANCE TO THE SITE, INCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY OF SAN DIEGO FIELD ENGINEERING DIVISION (FED) 607-3000. 7. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIRING ALL SURVEY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY CONSTRUCTION. PRIOR TO COMPLETION OF CONSTRUCTION, ALL DESTROYED SURVEY MONUMENTS THAT ARE LOCATED IN THE CONSTRUCTION WORK AREA SHALL BE RE-SET AND RETRIEVED BY A LAND SURVEYOR. ALL DESTROYED SURVEY MONUMENTS ARE REQUIRED TO BE REPAIRED, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE PREPARED AND FILED WITH THE COUNTY SURVEYOR AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT, SECTION 6071 OF THE BUSINESS AND PROFESIONAL CODE OF THE STATE OF CALIFORNIA. 8. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES, THE CITY OF SAN DIEGO FIELD ENGINEERING DIVISION MUST BE NOTIFIED, AT LEAST 48 HOURS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRING ANY UTILITY, CONTROL, OR BUSINESS DESTROYED BY THE CONSTRUCTION. 9. ALL APPROVALS GRANTED HEREON ARE BASED ON INFORMATION PROVIDED BY THE APPLICANT. APPROVAL OF THIS PERMIT DOES NOT AUTHORIZE VIOLATION OF ANY CODES OR REGULATIONS. THE CITY'S RECORDS ENGINEER RESERVES THE RIGHT TO MODIFY THE WORK TO BE DONE, AS ACTUAL FIELD CONDITIONS MAY VARY. 	<p style="text-align: center;">MONUMENT MAP NTS</p>						
<p>SPECIFICATIONS/STANDARD DRAWINGS</p> <p>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND THE CITY OF SAN DIEGO STANDARD DRAWINGS, AS LATEST AMENDED.</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">LEGEND</th> <th style="text-align: left;">STANDARD DRAWING</th> <th style="text-align: left;">SYMBOL</th> </tr> </thead> <tbody> <tr> <td style="height: 100px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table>	LEGEND	STANDARD DRAWING	SYMBOL				<p style="text-align: center;">NOTE: FOR INSPECTION PLEASE CALL (638) 627-3200</p> <p style="text-align: right;">SHEET 1 OF _____</p> <p>THE FOLLOWING INFORMATION IS TO BE PROVIDED BY THE WATER REVIEW SECTION PLAN REVIEWER DIVISION OF INFORMATION AND APPLICATION SERVICES: ENTER THIS INFORMATION INTO IUS CONNECTIONS.</p> <p>FIRE SERVICE BILLING CODE: _____</p> <p>FIRE SERVICE BILLING CODE: _____</p> <p>WATER SECTION REVIEWER NAME: _____ DATE: _____</p> <p>SEWER SECTION REVIEWER NAME: _____ DATE: _____</p> <p>PREPARED BY: _____</p> <p>NAME: _____ ADDRESS/PHONE: _____</p> <p style="text-align: right;">PERMIT NUMBER: _____</p>
LEGEND	STANDARD DRAWING	SYMBOL							
<p>THIS INFORMATION IS AVAILABLE IN ALTERNATIVE FORMATS FOR PERSONS WITH DISABILITIES DS-3179 (02/07/2013)</p>		<p style="text-align: right; font-size: small;">PRINTED ON RECYCLED PAPER</p>							

Construction Documentation for Excavations within the Public R/W

Construction Plans: Services/Laterals

<https://www.sandiego.gov/development-services/industry/information/standtemp>

THIS CONSTRUCTION PLAN IS NOT VALID UNLESS AN ENGINEERING PERMIT IS ATTACHED

DEVELOPMENT SERVICES DEPARTMENT **CONSTRUCTION PLAN**

800 FIRST AVENUE
SAN DIEGO, CA 92101-4005
(619) 495-5000

DEPARTMENT PROJECT NO. _____
BUILDING PROJECT NO. _____
INTERNAL ORDER NO. _____
PROJECT TRACKING NO. _____

THE CITY OF SAN DIEGO

SITE ADDRESS: _____

STREET EXCAVATION TABLE

STREET NAME	STREET CLASSIFICATION (ARTERIAL, MAJOR, COLLECTOR, RESIDENTIAL)	UTILITY TYPE (MET OR DRY)	LATERAL OR MAIN	STREET SERVICE AGE (YRS)	INFLUENCE AREA WIDTH (FT) PER SMC	TRENCH WIDTH (FT)	TRENCH LENGTH (FT)
EX. MAIN STREET	MAJOR	DRY	LATERAL	12	A	B	C

EXCAVATION MONITORING (CHECK ONE):
 LOCATION OF EXCAVATION IS NOT ON A MONITORING STREET
 STREET NAME _____ FROM _____ STREET NAME _____ TO _____ STREET NAME _____ IS A MONITORING STREET
 AS DENIED IN MUNICIPAL CODE SECTION 62.1203 FOR: OVERLAY SLURRY
 MONITORING EXPRES ON _____ DATE _____ MONITORING IS NEEDED.

RESURFACING REQUIREMENTS (CHECK ONE):
 THE EXCAVATION IS IN THE DIRECTION OF TRAFFIC. THE EXCAVATOR SHALL RESURFACE THE ENTIRE EXCAVATION AREA PLUS THE EXCAVATION INFLUENCE AREA ON EACH END OF THE EXCAVATION AREA, AND THE ENTIRE WIDTH OF THE STREET FROM CURB TO CURB OR WHERE A RAISED MEDIAN IS PRESENT, THE EXCAVATOR SHALL RESURFACE FROM CURB LINE TO RAISED MEDIAN.
 THE EXCAVATION IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC. THE EXCAVATOR SHALL RESURFACE THE ENTIRE LENGTH OF EXCAVATION FROM CURB TO CURB OR FOR THE LENGTH OF THE EXCAVATION PLUS THE EXCAVATION INFLUENCE AREA EXTENDING ON EACH END OF THE EXCAVATION, WHICHEVER IS LESS. THE RESURFACE SHALL ALSO INCLUDE THE EXCAVATION AREA PLUS THE EXCAVATION INFLUENCE AREA ON EACH SIDE OF THE EXCAVATION AREA.
 A RAISED MEDIAN IS PRESENT AND THE EXCAVATION IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC. THE EXCAVATOR SHALL RESURFACE EITHER FROM THE RAISED MEDIAN TO THE CURB OR FOR THE LENGTH OF THE EXCAVATION PLUS THE EXCAVATION INFLUENCE AREA EXTENDING ON EACH END OF THE EXCAVATION, WHICHEVER IS LESS. THE RESURFACE SHALL ALSO INCLUDE THE EXCAVATION AREA PLUS THE EXCAVATION INFLUENCE AREA ON EACH SIDE OF THE EXCAVATION AREA.

PREPARED BY: NAME _____ ADDRESS/PHONE _____
 PERMIT NUMBER: _____ SHEET _____ OF _____

THIS INFORMATION IS AVAILABLE IN ALTERNATE FORMATS FOR PERSONS WITH DISABILITIES.
 DS-3179 (02/01/2013)

PRINTED IN BESSCO PARK

Process Topics

State Storm Water Compliance (MS4)

- Importance of accurate storm water determination (PDP, Standard) to reduce number of reviews
- If project is a PDP, and proposes infiltration or biofiltration BMP's, a Geotechnical report should be submitted in accordance with Appendix C of the Storm Water Standards Manual. This report is not necessary if the project proposes an unlined PF-1 biofiltration basin.
- Engineering Review conducts a conceptual review of the storm water standards on discretionary projects. The review is to ensure the impacts associated with storm water treatment standards have been accounted for in the project design. Additional requirements may be required during the ministerial review



Process Topics

State Storm Water Compliance (MS4) – Ministerial Review

- Form DS-560 (Storm Water Applicability Checklist)
- Project Planning
- Infiltration Feasibility of project site.
- Geology review determines Site Infiltration Category
- Appropriate use of permanent BMPs according to infiltration category
- Hydromodification Management Plan (HMP)
- <https://www.sandiego.gov/stormwater/regulations>



Process Topics

Geotechnical Study Requirements

Informational Bulletin 515

- Geotechnical/Geological Studies
- Required Geotechnical Investigation Reports
 - For Development Permits
 - For Subdivisions
 - For Grading Permits
- *Exceptions*



IB 515 Geotechnical Study Requirements

**TABLE 515A
GEOTECHNICAL REPORT REQUIREMENTS FOR PROPOSED DEVELOPMENT**

Geologic Hazard Category	Geotechnical Investigation Report Required
<i>Fault Rupture Hazard</i>	
11-12	Conditional ^{1,2}
13	Conditional ^{1,2,3,5}
<i>Potential Slope Instability</i>	
21, 22, 24, 26	All proposed development*
23, 25, 27	Conditional ^{1,3,4,5}
<i>Liquefaction Potential</i>	
31-32	All proposed development
<i>Coastal Bluffs</i>	
41-47	All proposed development
<i>Coastal Beach</i>	
48	All proposed development
<i>Other Conditions</i>	
51	Conditional ^{1,4,5}
52 -55	Conditional ^{1,3,4,5}

Proposed Development or Specific Conditions Requiring Geotechnical Investigation Report:

- * See Section III for exceptions
- ¹ Proposed subdivision (condominium conversions exempt)
- ² Proposed structure for human occupancy (2000 person hours/year)
- ³ Proposed development on a slope 25 percent or greater, existing or proposed (*including basement excavations)
- ⁴ Proposed development on property with Environmentally Sensitive Lands (ESL)
- ⁵ Most priority development projects and proposed projects that includes storm water infiltration/percolation BMPs.



Storm Water Standards

Changes to Geotechnical, Groundwater, & Testing Requirements - Appendix C & D

- Clarifies That Analysis Must Be Conducted at DMA level.
- Worksheet C.4-1 and Form I-8 Combined.
- Addition of Guidance for Completing Worksheet C.4-1.
- Identifies Worksheet Sections That Geotechnical Consultant Does Not Complete.
- Worksheet Separated into Planning and Design Phases.
- Provides Different Requirements for Small (<0.5 acre) and Large (≥ 0.5 acre) Projects.
- Testing Not Required for Sites within Mapped Hydrologic Soil Groups C and D, if Partial Infiltration Condition Assumed For the Planning Phase.
- Reliable Infiltration Rate Defined as Observed Infiltration Rate/2.
- Examples of Typically Reasonable and Not Typically Reasonable Mitigation Measures Provided.



FEE SCHEDULE



DEVELOPMENT SERVICES

FEE/DEPOSIT SCHEDULE FOR GRADING/RIGHT-OF-WAY PERMITS & MAPPING ACTIONS

1222 FIRST AVENUE, MS 301 SAN DIEGO, CA 92101-4101

INFORMATION
BULLETIN

502

OCTOBER 2016

This Information Bulletin lists fees and deposits for Grading Permits, Public Right-of-way Permits, and mapping actions. For project submittal information, see Land Development Manual Project Submittal Requirements, Sections 3 and 5.

I. WHEN FEES ARE PAID

The fees associated with Grading/Right of Way Permits and Mapping actions may be collected during different points of the permitting process: at project submittal, during review, at permit issuance, and during inspection. There are also enhanced/optional services for which fees are collected. The following sections of this fee bulletin describe what fees are collected and when in the process they are collected.

For your convenience, DSD offers on-line payments through OpenDSD. Payment may also be made in person by cash, check, debit card, Visa or MasterCard credit cards.

Documents Referenced in this Information Bulletin

- [Project Submittal Manual](#)
- [Deposit Account/Financially Responsible Party, DS-3242](#)
- [Information Bulletin 165, How to Obtain a Public Right-of-Way Permit for Minor Public Improvements](#)
- [Information Bulletin 177, How to Obtain a Permit for Traffic Control](#)
- [Regional Standard Drawings](#)
- [Construction Cost Estimate Template](#)
- [Application for an Extension of Time for Grading/Right-of-Way Permits, DS-340](#)
- [Application Extension Request for Grading/Right-of-Way and Mapping Projects, DS-4100](#)
- [Minor Water Pollution Control Plan, DS-570](#)
- [Refund Application, DS-721](#)



FEE SCHEDULE



DEVELOPMENT SERVICES

FEE/DEPOSIT SCHEDULES FOR Development & Policy Approvals/Permits

INFORMATION
BULLETIN

503

OCTOBER 2016

1222 FIRST AVENUE, MS 501 SAN DIEGO, CA 92101-4101

This Information Bulletin lists fees and deposits for discretionary and policy approvals. Fees related to discretionary actions for Wireless Communication Facilities are contained in Information Bulletin 536, Submittal Requirements and Procedures for Wireless Communication Facilities. For project submittal requirements, see Land Development Manual Project Submittal Requirements, Sections 4, 5 and 6.

I. PLAN REVIEW - FLAT FEES

Table 503A/Flat Fee Worksheet identifies the discretionary permit applications that require a flat fee for the public noticing, plan review, environmental initial study and public hearing process (except appeals). When the discretionary action includes other approval types that require a deposit account for plan review, the entire project will be reviewed using a deposit account (see Section II below). **Note: If the project and/or the environmental determination of a flat fee project are appealed, a \$2,000 deposit will be required to continue processing the project to a final decision.**

Documents Referenced in this Information Bulletin

- [Project Submittal Manual](#)
- [Information Bulletin 500](#), Substantial Conformance Review
- [Information Bulletin 513](#), Preliminary Review
- [Information Bulletin 538](#), Expedite Program for Affordable/In-Fill Housing and Sustainable Buildings
- Deposit Account / Financially Responsible Party, [DS-3242](#)
- [Time and Costs Associated with Discretionary Approval Process](#)
- [Information Bulletin 536](#), Submittal Requirements and Procedures for Wireless Communications Facilities

review, California Environmental Quality Act (CEQA) review, and public hearing process. Where multiple permits/approvals are requested (e.g., Coastal Development Permit with a Site Development Permit), the deposit amounts for each permit/approval type are





Questions?