Background

This memo is to provide an update on the slurry seal requirements for resurfacing in public ROW as discussed below. This document supersedes Item III “Slurry Seal Requirements for Resurfacing in Public ROW” of the City Engineer’s memo dated June 1, 2015 (see attached for reference).

I. Slurry Seal Requirements for Resurfacing in Public ROW - The overall intent of the new slurry seal requirements is to maximize use of and preserve existing public infrastructure while ensuring public safety. To restore the pavement surface to its original condition prior to excavation work (pre-existing surface condition) and meet surface finish requirements, slurry treatment shall be applied as follows:

1. **Slurry Type Selection.** Slurry shall be placed per the following guidelines for various street classifications. Combined aggregate gradations shall conform to requirements as specified for Type I, Type II, and Type III.
   a. For Residential Streets, apply Type I over Type II over entire area.
   b. For Major and Collector Streets, apply Type II over Type III over entire area with additional Type I slurry over designated bike lanes.

   Standalone Type III slurry shall not be allowed in any street classification.

2. **Placement Limits.** Slurry seal shall be placed from curb to curb or to nearest raised median unless otherwise approved by the DCE or as shown on the plans. Slurry work shall include all specified work prior to, during, and after application per specifications. This shall include corrective action for nonconformance and manufacturer’s application and cure time recommendations.
3. **Pre-Slurry Repairs.** The Construction Management and Field Services Division’s DCE or his/her representative shall have the authority to direct changes to the slurry application, additional pavement repairs or preparatory work prior to slurry including but not limited to changes to the type of slurry to be applied and any additional asphalt concrete repair, hump or lump removal or repair and crack seal. This may also include repair work due to increased damages to pavement surface with the use of large or heavy trucks and equipment during construction activities and as needed to ensure that the pavement adjacent to the trench zone repairs are sufficiently stable. The purpose of the additional pavement repairs is to restore the pavement surface to stable condition and prevent degradation of the existing pavement within the work zone so that the full length of the reduced life cycle can be achieved, and to ensure public safety.

II. **Implementation** – The requirements for resurfacing for asphalt concrete and concrete street excavations and slurry seal as discussed in this memorandum shall apply on January 1, 2019 (Effective Date) as follows:

1. **Private Projects Submitted to Development Services:**
   a. Projects submitted on or after January 1, 2019 shall comply with the new requirements.
   b. Projects currently in review and have not had permits issued by January 1, 2019 shall comply with the new requirements.
   c. Projects with permits issued on or before January 1, 2019 shall be allowed to comply with the previous requirements.

2. **City Projects:**
   a. Projects that have final design signed and stamped by the DCE, and have advertised prior to January 1, 2019 shall be allowed to comply with the previous requirements.

Please notify your Project Managers, designers, consultants, and maintenance crews of the new slurry seal resurfacing requirements. If you have any question or need additional information, contact Edgar Puente at 619-527-7527 or EPuente@sandiego.gov.

James Nagelvoort, PE
Director, Public Works Department and City Engineer

Attachment: City Engineer’s Memo Dated June 1, 2015
Distribution List:

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Stephen Maduli-Williams, Program Manager, Economic Development Department
Deputy City Engineers
MEMORANDUM

DATE: June 1, 2015

TO: Distribution

FROM: James Nagelvoort, City Engineer

SUBJECT: Clarifying Requirements for Resurfacing for Asphalt Concrete and Concrete Street Excavations and Slurry Seal Requirements in Public Right-of-Way (San Diego Municipal Code §§ 62.1210 and 62.1216)

Background

The Street Preservation Ordinance (SPO), San Diego Municipal Code (SDMC) section 62.1201, et.al, became effective on February 1, 2013. The purpose of this SPO is to provide policies and procedures to minimize damage to public infrastructure, to ensure public safety and to establish cost recovery mechanisms for all costs to the City resulting from excavations in the public right-of-way (ROW). This memo on the SPO is to clarify the street repairs after excavation work for wet and dry utilities, the repairs within the influence zone for all utilities, street repairs for concrete paved streets, and slurry seal requirements for resurfacing in public ROW as discussed below:

I. Resurfacing/Restoration of Asphalt Concrete/Slurry Sealed Public ROW Not Under the Moratorium – The overall intent of the SPO is to restore the pavement surface to its original condition prior to excavation work (pre-existing surface condition) and recover diminished lifecycle costs. However, two sections of the SPO regarding the resurfacing work after the moratorium conflict with each other as discussed below:

a. SDMC section 62.1210 requires the excavator to resurface the entire length of the excavation area and the excavation influence area extending distances around the perimeter of the excavation.

b. SDMC section 62.1216 requires the excavator to restore the excavation in the manner prescribed by the City Standard Drawings and specifications of the City or any applicable permits.
Clarifying Requirements for Resurfacing
June 1, 2015

**Conflict:** SDMC Section 62.1216 requires that the surface pavement shall be restored in accordance with the attached City Standard Drawings SDG-107 and SDG-117 that show resurfacing extending 6 inches around the perimeter of the excavation and in accordance with standard specifications (Whitebook Section 302). This contradicts SDMC section 62.1210 that requires resurfacing a wider excavation influence area extending more than 6-inches as required in SDG-107 and SDG-117.

**Resolution:** To restore the pavement surface to its original condition for excavations not under an excavation moratorium, the following pavement surface restoration work shall be deemed proper methodology:

A. For wet utilities (including but not limited to water main and services, reclaimed water main and services, sewer main and laterals, storm drains and fire hydrants) and larger dry utilities (including transmission mains) that are installed in wider and deeper trench (trench of more than 6-inch wide and deeper than 3-feet):

1. Restoration of pavement surface shall be performed in accordance with the attached City Standard Drawing SDG-107 that shows resurfacing extending 6-inches around the perimeter of the excavation.

2. Repairs to the existing pavement with observable failures within the influence zone to the extent as described below around the perimeter of the excavation shall be performed as directed by Field Engineering Division Deputy City Engineer (DCE). The influence zone is measured from the outer edge of the trench cut excavation. The purpose of the additional pavement repairs is to restore the pavement surface to its original condition and to prevent degradation of the existing pavement within the utility trench influence zone so that the full length of the reduced life cycle can be achieved.

<table>
<thead>
<tr>
<th>Street Classification</th>
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3. Slurry seal from curb to curb or nearest raised median is required in order to preserve the existing street condition. The requirement also applies to excavations without a main pipeline trench and include but are not limited to installations of multiple services on both sides of the ROW (trench excavations perpendicular to the direction of the traffic), and other appurtenances such as manholes and vaults. See section III below for the detailed requirements of slurry seal applications.

4. The Field Engineering Division DCE or his/her representative shall have the authority to direct additional pavement repairs beyond the influence zone prior to slurry work. These repairs may include those for damages to pavement surface due to the use of large or heavy trucks and equipments during construction activities or as needed to ensure that the pavement adjacent to the trench zone repairs are sufficiently stable. The purpose of the additional pavement repairs is to restore the pavement surface to its original condition, and to ensure public safety.

B. For small dry utilities installed in trench up to 6-inches wide and equal to or less than 3 feet in depth (including but not limited to gas, electric, cable, telephones, fiber optic, traffic signals, street lights and television lines):

1. Restoration of surface pavement shall be performed in accordance with the attached City Standard Drawing SDG-117 that shows resurfacing extending 6 inches around the perimeter of the excavation.

2. The Field Division DCE or his/her representative shall have the authority to direct additional pavement repairs. This may include increased damages to surface pavement due to the use of large or heavy trucks and equipments during construction activities or as needed to ensure that the pavement adjacent to the trench zone repairs are sufficiently stable. The purpose of the additional pavement repairs is to restore the surface pavement to its original condition, to prevent degradation of the existing pavement within the utility trench influence zone so that the full length of the reduced life cycle can be achieved, and to ensure public safety.

II. Restoration of Concrete Paved Public ROW – The overall intent of the SPO is to restore the pavement surface to its original condition prior to excavation work (pre-existing surface condition) and recover diminished lifecycle costs. The SPO does not provide specific requirements for restoration of the pavement surface to its original condition for excavations on existing concrete paved streets.

Conflict: The SPO does not provide specific requirements for restoration of the pavement surface to its original condition for excavations on existing concrete paved streets.
Clarification: To restore the pavement surface to its original condition for excavations not under an excavation moratorium, the pavement surface restoration work for concrete paved streets as discussed below is deemed proper methodology. The purpose of the additional concrete replacement is to restore the pavement surface to its original pre-existing condition prior to the cut or excavation, to prevent degradation of the existing pavement within the utility trench influence zone so that the full length of the reduced life cycle can be achieved, and to ensure public safety.

1. Restoration of the concrete pavement shall extend beyond the edge of the trench cut to the nearest expansion, cold joint or construction joint in accordance with the attached updated City Standard Drawing for Trench Resurfacing for PCC Surfaсed Streets SDG-108. Concrete pavement restoration shall extend to the full width of the concrete panel (between cold joints or cold joint to edge of gutter) around the perimeter of the excavation.

2. For concrete pavement with existing trench cut patching, concrete pavement restoration shall include, as part of the restoration, the existing trench cut patches if those patches are within the width of the influence zone of the trench cut excavation.

3. The Field Engineering Division DCE or his/her representative shall have the authority to direct additional concrete pavement repairs. This may include those associated with increased damages to pavement surface due to the use of large or heavy trucks and equipments during construction activities and as needed to ensure that the pavement adjacent to the trench zone repairs are sufficiently stable. The purpose of the additional pavement repairs is to restore the pavement surface to its original condition, to prevent degradation of the existing pavement within the utility trench influence zone so that the full length of the reduced life cycle can be achieved, and to ensure public safety.

III. Slurry Seal Requirements for Resurfacing in Public ROW - The overall intent of the new slurry seal requirements is to maximize use of and preserve existing public infrastructure while ensuring public safety. To restore the pavement surface to its original condition prior to excavation work (pre-existing surface condition) and meet surface finish requirements, slurry treatment shall be applied as follows:

1. Slurry shall be placed per the following guidelines for various street classifications. Combined aggregate gradations shall conform to requirements as specified for Type I, Type II, and Type III.

   a. For residential streets with frontage, apply Type I over Type III.

   b. For residential streets without frontage and all non-residential streets including industrial, collector, major and larger streets, apply Type III only.
Clarifying Requirements for Resurfacing
June 1, 2015

c. For designated bike lanes on streets of all classifications, where street width accommodates striping and signage for exclusive use of, apply Type I over Type III.

2. Slurry seal shall be placed from curb to curb or to nearest raised median unless otherwise approved by the Field Engineering Division DCE or as shown on the plans. Slurry work shall include all specified work prior to, during, and after application per specifications. This shall include corrective action for nonconformance and manufacturer’s application and cure time recommendations.

3. The Field Engineering Division DCE or his/her representative shall have the authority to direct additional pavement repairs or preparatory work prior to slurry including but not limited to asphalt concrete repair, hump removal and crack seal. This may also include repair work due to increased damages to pavement surface with the use of large or heavy trucks and equipment during construction activities and as needed to ensure that the pavement adjacent to the trench zone repairs are sufficiently stable. The purpose of the additional pavement repairs is to restore the pavement surface to its original condition, to prevent degradation of the existing pavement within the utility trench influence zone so that the full length of the reduced life cycle can be achieved, and to ensure public safety.

IV. Implementation - The pavement surface restoration for large dry utilities and wet utilities in AC/slurry sealed and concrete paved ROW and slurry seal requirements as discussed in this memorandum shall apply on August 1, 2015 (Effective Date). This document supersedes any previously issued clarification documents on this topic and shall be applied to street disturbance as follows:

1. Any Capital Improvement Program project for which a Notice to Proceed for construction has been issued prior to the Effective Date is not subject to the pavement surface restoration described herein. However, previously issued clarification documents still apply.

2. Any development project for which a permit has been issued by Development Services Department prior to the Effective Date is not subject to the surface pavement restoration described herein. However, previously issued clarification documents still apply.

James Nagelvoort, PE
City Engineer
Clarifying Requirements for Resurfacing  
June 1, 2015

Attachments:  SPO O-2013-51  
City Standard Drawings SDG-107, SDG 117 and SDG -108

Distribution:  Robert Vacchi, Development Services Director  
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Rimah Khoury, Public Works PI Division Interim Deputy Director  
Deputy City Engineers
Article 2: Public Right-of-Way and Land Development

Division 12: Excavations in the Public Right-of-Way

(“Excavation Fees” added 9-22-2003 by O-19215 N.S.)
(Retitled to “Excavations in the Public Right-of-Way” and amended 1-2-2013 by O-20231 N.S.)

§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.

(“Findings and Purpose” added 9-22-2003 by O-19215 N.S.)
(Retitled to “Purpose” and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§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.

(“Definitions” added 9-22-2003 by O-19215 N.S.)
(Retitled to “Departmental Orders and Regulations” and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1203 Definitions

For purposes of this Division, the definitions in Section 62.1102 apply. In addition, the following definitions apply:

Excavation Influence Area means the area that is impacted by the excavation as determined by the City Engineer.
Excavator means a person or party excavating within the public right-of-way.

Facility Owner means the Public Utility or other person that owns, controls, or is otherwise responsible for a Facility or Facilities within the public right-of-way.

Hazardous Material means any gas, material substance, or waste which, because of its quantity, concentration or physical or chemical characteristics, is deemed by any federal, state or local governmental authority to pose a present or potential hazard to human health or safety to the environment.

Moratorium Street means any street, or portion thereof, that has been reconstructed or resurfaced in the preceding five year period or slurry sealed in the preceding three year period.

Municipal Excavator means any agency, board, commission, department, or subdivision of the City that owns, installs, or maintains a facility or facilities in the public right-of-way.

Non-Linear Excavation means an excavation of no more than eighteen inches (18") around substructures required to access existing facility, such as a manhole or vault.

Public right-of-way means public easements or public property that are or may be used for streets, alleys, or other public purpose.

Public Utility means wet utilities and dry utilities which provide service for, or the commodity is delivered to, the public or any portion thereof. It also includes any City Department and utilities defined in California Public Utilities Code Section 216. It includes their agents, assigns, successors, contractors, subcontractors, employees or representatives.

Trenchless Technology means any method, material, equipment, technique, or combination thereof that can be used to install, replace, renew or repair underground infrastructure with minimal surface disturbance. Trenchless Technology includes drilling, auguring, boring and tunneling.

(“Three Year Moratorium on Resurfaced Public Rights-of-Way” added 9-22-2003 by O-19215 N.S.)

(Retitled to “Definitions” and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1204 Coordination of Excavation

Public utilities shall coordinate planned infrastructure projects to minimize the damage to the public right-of-way caused by multiple excavations in the same area, by providing the City with a two-year plan for work they anticipate in the public right-of-way.

(a) On April 1 and October 1 of each year, or on the first business day immediately thereafter, each public utility shall prepare and submit to the City a plan that shows all major work anticipated to be done in the public right-of-way in the next 24 months. Any public utility that does not propose major work in the next 24 months shall submit a statement that no such major work is anticipated and shall immediately report any major work to the City as soon as it becomes reasonably foreseeable.

(b) To the extent permissible by law, including but not limited to the California Public Records Act, the City shall not disclose to third parties proprietary, trade secret, or otherwise confidential information that is provided to the City by a public utility beyond what is necessary to facilitate coordination among excavators and to avoid unnecessary excavation of the public right-of-way. Any information provided to the City that a public utility deems proprietary, trade secret, or confidential must be clearly marked and identified as such. The public utility must also provide a specific and detailed legal basis establishing why the information is exempt from public disclosure. If the public utility fails to properly mark or identify proprietary, trade secret, or confidential information or provide the specific legal basis for non-disclosure, the City may release such information to the public.

(c) Public utilities shall indemnify, defend, protect and hold harmless the City, including its departments, officers, agents and employees, from and against, any and all actions, claims, costs, damages, demands, expenses, fines, injuries, judgments, liabilities, losses, penalties, or suits arising from the City’s non-disclosure of information deemed by a public utility as proprietary, trade secret, or confidential.


(Revised to “Coordination of Excavation“ and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1205 Duration of a Public Right-of-Way Permit to Excavate Within a Public Street

It shall be unlawful for any person or public utility to excavate within the roadway section of a street in the public right-of-way without a valid Public Right-of-Way Permit under Section 129.0702. Notwithstanding Chapter 12, Article 9, Division 7, Section 129.0743 and Section 129.0744, a Public Right-of-Way Permit to excavate within the roadway section of a public street shall be void if the excavation has not begun within ninety calendar days of the start date specified in the permit, if the excavation is not pursued diligently to its conclusion, or if the excavation and restoration has not been completed within one calendar year from the permit issuance.

("Excavation Fee" added 9–22–2003 by O–19215 N.S.)
(Retitled to "Duration of a Public Right-of-Way Permit to Excavate Within a Public Street" and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1206 Moratorium Streets

Excavations shall not be permitted in a moratorium street without a valid moratorium waiver.

("Resurface Agreement" added 9–22–2003 by O–19215 N.S.)
(Retitled to "Moratorium Streets" and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1207 Excavation Moratorium Waivers

The City Engineer may upon written request grant an excavation moratorium waiver. The City Engineer may place additional conditions on a Public Right-of-Way Permit subject to an excavation moratorium waiver. The City Engineer may approve or conditionally approve an excavation moratorium waiver only if the City Engineer makes a written finding that one or more of the following grounds are present:

(a) A bona fide emergency exists that

(1) endangers the health and safety or property of the citizenry; and

(2) requires excavation in order to remediate the emergency

(b) New Service to a specific location cannot be provided either:

(1) through existing conduit;

(2) where trenchless technology is impractical due to one or more of the following:
(A) soil conditions;
(B) proximity of facilities;
(C) where trenchless technology is economically impractical compared to trenching and resurfacing performed in accordance with approved standards; or

(3) the public utility demonstrates to the City Engineer’s satisfaction that the service cannot be provided from another location.

(c) The installation or relocation of facilities by a non-government owned public utility is both:

(1) required by the City, County, State or Federal Government; and

(2) not required as a result of an underground utility district established pursuant to Section 61.0501.

(d) Only a non-linear excavation or exploratory excavation will be made. The City Engineer in his or her sole discretion may authorize an exploratory excavation with an area not to exceed five feet by five feet. Such authorization must be made in writing and signed by the City Engineer.

("Excavation Warranty" added 9–22–2003 by O–19215 N.S.)
(Revised to "Excavation Moratorium Waivers" and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1208 Excavations on Streets Under an Excavation Moratorium Due to Reconstruction or Resurfacing

Excavation approved with an excavation moratorium waiver under Section §62.1207, to occur on streets that were reconstructed or resurfaced within five years prior to the application for an excavation moratorium waiver, shall be resurfaced as directed by the City Engineer and in accordance with the following:

(a) Where the excavation is in the direction of traffic, the excavator shall resurface the entire length of the excavation area, 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 the curb-line to the raised median.
(b) Where the excavation is perpendicular to the direction of traffic, the excavator shall resurface the length of the 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. This resurface shall include the excavation area plus the excavation influence area on each side of the excavation.

(c) Where 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 excavator shall also resurface the excavation plus the excavation influence area on each side of the excavation.

The excavation influence area extends around the perimeter of the excavation as follows:

<table>
<thead>
<tr>
<th>Street Classification</th>
<th>Wet Utilities</th>
<th>Dry Utilities</th>
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(Retitled to “Excavations on Streets Under an Excavation Moratorium Due to Reconstruction or Resurfacing” and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1209 Excavations on Streets Under a Excavation Moratorium Due to Slurry Seal

Excavations approved with an excavation moratorium waiver under Section §62.1207, on streets that had been slurry sealed within three years prior to the application for an excavation moratorium waiver, shall be slurry sealed as directed by the City Engineer and in accordance with the following:

(a) Where the excavation is in the direction of traffic, the excavator shall slurry seal the entire length of the excavation area, the excavation influence area on each end of the excavation area, and the entire width of the street from curb-line to curb-line, or where a raised median is present the excavator shall resurface from the curb-line to the median.

(b) Where the excavation is perpendicular to the direction of traffic, the excavator shall slurry seal the length of the excavation from curb-line to curb-line, or for the length of the excavation plus the excavation influence area extending on each end of the excavation, whichever is less. The excavator shall also slurry seal the excavation area plus the excavation influence area on each side of the excavation.

(c) Where a raised median is present and the excavation is perpendicular to the direction of traffic, the excavator shall slurry seal either from the raised median to the curb-line, or for the length of the excavation plus the excavation influence area extending on each end of the excavation, whichever is less. The excavator shall also slurry seal the excavation plus the excavation influence area on each side of the excavation.

The excavation influence area extends around the perimeter of the excavation as follows:

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("Repair of City Excavation" added 9–22–2003 by O–19215 N.S.)
(Retitled to "Excavations on Streets Under a Excavation Moratorium Due to Slurry Seal" and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1210 Excavations Not Under an Excavation Moratorium

Resurfacing shall include the excavation influence area extending the following distances around the perimeter of the Excavation:

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1. Where the excavation is in the direction of the traffic, the excavator shall resurface the entire length of the excavation area, the excavation influence area on each end of the excavation area, and the entire width of the excavation area, and the excavation influence area extending from each transverse side of the excavation area.

2. Where the excavation is perpendicular to the direction of traffic, the excavator shall resurface the length of the excavation from curb-line to curb-line, or for the length of the excavation and the excavation influence area extending on each end of the excavation, whichever is less. This resurface also shall include the excavation area and the excavation influence area on each side of the excavation along the axis of the street.

3. Where 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-line, or for the length of the excavation and the excavation influence area extending on each end of the excavation, whichever is less. This resurface also shall include the excavation plus the excavation influence area on each side of the excavation along the axis of the street.

(“Establishment of Fund” added 9–22–2003 by O–19215 N.S.)
(Amended 11-14-2005 by O-19440 N.S.)
(Retitled to “Excavations Not Under an Excavation Moratorium” and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1211 Emergency Excavation

Nothing contained in this Division shall be construed to prevent any public utility from taking the minimum actions necessary for the preservation of life or property or for the restoration of essential service provided by a public utility when such necessity arises when City offices are closed. In the event that any person or public utility takes any action to excavate, or causes to be excavated the public right-of-way pursuant to this Section, such person shall notify the City’s 24 hour Public Works Dispatch Center prior to excavation and then apply for a Public Right-of-Way Permit under Section 129.0702, no later than fourteen business days after excavation. The applicant for a Public Right-of-Way Permit under Section 129.0702, shall submit a written statement on the basis of the emergency action and describe the excavation performed and any work remaining to be performed. A Public Right-of-Way Permit under Section 129.0702 shall not be valid until a final inspection of the excavation is performed and approved by the City.

("Strict Compliance with Division Required" added 9-22-2003 by O-19215 N.S.)
(Retitled to "Emergency Excavation“ and amended 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1212 Excavation and Trench Liability

Each facility owner is responsible for the quality of the excavation performed in the public right-of-way and is liable for the consequences of any condition of such excavation and any facilities installed in the public right-of-way. The issuance of any permit, inspection, repair or suggestion, approval or acquiescence of any person affiliated with the City shall not excuse any owner or agent from such responsibility or liability.

("Excavation and Trench Liability“ added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1213 Indemnification of the City

To the extent permissible by law, the City may require excavators, their agents, successors, and assigns, to indemnify, defend, protect and hold harmless the City, including, without limitation, each of its commissions, departments, officers, agents and employees from and against any and all actions, claims, costs, damages, demands, expenses, fines, injuries, judgments, liabilities, losses, penalties, or suits including, without limitation, attorney’s fees and costs (collectively, “claims”) of any kind allegedly arising directly or indirectly from:
§62.1214 Insurance Requirements For Excavations in the Public-Right-of-Way

To the extent permissible by law, excavators shall maintain in full force and effect, throughout the term of the Public Right-of-Way Permit, an insurance policy or policies issued by an insurance company or companies covering all operations, vehicles, and employees as follows:

(a) Commercial general liability insurance with a combined single limit of not less than $1,000,000 per occurrence for bodily injury and property damage, including contractual liability; personal injury; explosion, collapse and underground products; and completed operations;
(b) Contractors pollution liability insurance, on an occurrence form, with a combined single limit of not less than $1,000,000 per occurrence for bodily injury and property damage and any deductible not to exceed $25,000 per occurrence.

(c) Should any of the required insurance be provided under a claims-made form, the insured owner or its agent shall maintain such coverage continuously throughout the term of the permit, and without lapse, for a period of three years beyond the expiration or termination of the Public Right-of-Way Permit, to the effect that should occurrences during the term of the permit give rise to claims made after expiration or termination of the permit, such claims shall be covered by such claims-made policies.

(d) Should any of the required insurance be provided under a form of coverage that includes a general annual aggregate limit or provides that claims investigation or legal defense costs be included in such general annual aggregate limit, such general aggregate limit shall be double the occurrence or claims limits specified in Sections §62.1214(a) and §62.1214(b).

(e) Certificates of insurance, in the form satisfactory to the City, evidencing all coverage described above, shall be furnished to the City before issuance of a permit, with complete copies of policies furnished promptly upon the City’s request.

(f) Where an excavator is self-insured, the City may accept such self-insurance as satisfying the requirements of Section §62.1214, where the excavator evidences to the City such guarantee via a bond or other form of surety, no less broad and affording protection equivalent to the City as the requirements specified above.

(“Insurance Requirements For Excavations in the Public-Right-of-Way” added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
§62.1215 Street Damage Fee

Each excavator shall pay to the City a Street Damage Fee to recover the increased repaving and reconstruction costs incurred by the City that are reasonably attributable to the impact of the excavation to the public right-of-way. The amount of the Street Damage Fee shall be established by resolution of the San Diego City Council adopted pursuant to this Division and placed on file in the Office of the City Clerk. The Street Damage Fee shall not exceed an amount reasonably necessary to recover the estimated costs, including but not limited to all administration, investigation, inspection, monitoring, reconstruction, slurry seal and resurfacing necessary to fully mitigate the damage and degradation caused by the excavations. The fee shall be the amount in effect on the date of issuance of a Public Right-of-Way Permit, or for Municipal Excavators the amount in effect on the date of commencement of the excavation.

("Street Damage Fee" added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1216 Restoration of the Public Right-of-Way

In any case in which the sidewalk, street, or other public right-of-way is to be excavated, the excavator shall restore or cause to be restored such excavation in the manner prescribed by the order, regulations, and City Standard Drawings and specifications of the City or any applicable permits.

("Restoration of the Public Right-of-Way" added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)

§62.1217 Repair and Maintenance Obligation of Facility Owner

Facility owners of wet utilities shall maintain, repair, or reconstruct the site of any excavation and the surface condition per City Standard Drawings or as specified by the City Engineer for fifteen years after inspection and acceptance by the City. Facility owners of dry utilities shall maintain, repair, or reconstruct the site of any excavation and the surface condition per City Standard Drawings or as specified by the City Engineer for ten years after inspection and acceptance by the City.

("Repair and Maintenance Obligation of Facility Owner" added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
3/4" TYPE III CLASS B3 FLUSH
TO MATCH EXISTING SURFACE,
SEE TABLE FOR DEPTH OF ASPHALT

MILL AND PAVE RESURFACE
OVERLAY PER NOTE 2

EXISTING A.C. PAVEMENT

EXISTING BASE OR OLD
CONCRETE PAVEMENT

TACK EDGES
WITH ASPHALTIC
EMULSION

1-1/2" TYPICAL

TACK EDGES
WITH ASPHALTIC
EMULSION

CLASS II BASE

COMBINE ASPHALT
PLUS BASE 18" MIN

EXISTING A.C. PAVEMENT

EXISTING BASE OR OLD
CONCRETE PAVEMENT

NOTE 2

3/4" TYPE III CLASS B3 FLUSH
TO MATCH EXISTING SURFACE
PLUS 1" BELOW EXISTING, SEE
TABLE FOR DEPTH OF ASPHALT

MILL AND PAVE RESURFACE
OVERLAY PER NOTE 2

NOTES:

1. ANY STREET TRENCH 7 FEET IN WIDTH OR GREATER AND LONGER THAN 100 FEET IN OVERALL LENGTH SHALL BE RECONSTRUCTED WITH THE PAVEMENT SECTION FOR THE STREET CLASSIFICATION PER SCHEDULE “J” (SDG-113).

2. ASPHALT TRENCH CAPS IN STREETS NOT RECEIVING A FULL WIDTH OVERLAY PRIOR TO ACCEPTANCE SHALL BE MILLED AS SHOWN AND RESURFACED WITH 12" TYPE III CLASS IV ASPHALT IN LESS THAN 30 DAYS AFTER INITIAL ASPHALT PLACEMENT.

3. WHEN DIRECTED BY CITY ENGINEER OR SHOWN ON THE PLANS, CONCRETE PER SDG-108 (NOTE #5) MAY BE PLACED; A 16" - 1/4" WEARING SURFACING OF TYPE III CLASS F ASPHALT CONCRETE WILL BE REQUIRED.

TYPE 1

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CITY OF SAN DIEGO - STANDARD DRAWING

TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

COORDINATOR: R.C.E. 3523

DATE: 3/30/14

SDG-107
§62.1218 Excavation Site Requirements

It shall be unlawful, with the exception of municipal excavators, to excavate in violation of the following requirements:

(a) Excavators shall have the Public Right-of-Way Permit, or a true or legible copy, and any required Traffic Control Permit available for inspection at the site of excavation.

(b) Excavators shall not excavate without providing proper notice to the Underground Service Alert in accordance with Section §62.1105.

(c) Excavations shall not exceed the scope of excavation described within the Public Right-of-Way Permit without the prior written approval of the City Engineer.

("Excavation Site Requirements" added 1-2-2013 by O-20231 N.S.; effective 2-1-2013.)
NOTES:

1. CEMENT SLURRY BACKFILL SHALL BE THOROUGHLY CONSOLIDATED, HAVE A MAXIMUM SLUMP OF 4 INCHES, AND MAY CONTAIN 30% MAXIMUM 36" ROCK.

2. BALL DROP TEST PER ASTM D 6024 SHALL BE PERFORMED ON SLURRY AND ACHIEVE A MAXIMUM INDENTATION DIAMETER OF 3 INCHES PRIOR TO PLACEMENT OF ASPHALT CONCRETE.

3. CUTS SHALL BE STRAIGHT. EXISTING A.C. PAVEMENT WILL NOT REQUIRE SAWCUTTING WHEN USING ROCKWHEEL FOR EXCAVATION.

4. ASPHALT TRENCH CAPS IN STREETS NOT RECEIVING A FULL WIDTH OVERLAY PRIOR TO ACCEPTANCE SHALL BE MILLED AS SHOWN AND RESURFACED WITH 12" TYPE III CLASS C2 ASPHALT NO LESS THAN 30 DAYS AFTER INITIAL ASPHALT PLACEMENT.

5. WHEN PCC TRENCH RESURFACING IS DIRECTED BY CITY ENGINEER OR SHOWN ON THE PLANS, 18"-14" TYPE F ASPHALT WEARING SURFACE IS REQUIRED. SEE SDG-108 (NOTE #5) FOR PCC THICKNESS AND CURING REQUIREMENTS.

6. FOR ELECTRICAL SUPPLY CABLES, SEE CALIFORNIA PUBLIC UTILITY COMMISSION GENERAL ORDER NO. 128, RULE 33.4 CLEARANCES AND DEPTHS.
NOTES

1. EXISTING CONCRETE PAVEMENT SHALL BE REMOVED. CONCRETE PAVEMENT RESTORATION SHALL EXTEND TO THE FULL WIDTH OF THE CONCRETE PANEL (BETWEEN COLD JOINTS OR COLD JOINT TO EDGE OF GUTTER) AROUND THE PERIMETER OF THE EXCAVATION FOR CONCRETE PAVEMENT WITH EXISTING TRENCH CUT PATCHING. CONCRETE PAVEMENT RESTORATION SHALL INCLUDE, AS PART OF THE RESTORATION, THE EXISTING TRENCH CUT PATCHES IF THOSE PATCHES ARE WITHIN 4 FEET OF THE CONCRETE PANEL TO BE REPLACED.

2. PRIOR TO PLACING CONCRETE, PAVEMENT EDGES SHALL BE TRIMMED TO NEAT HORIZONTAL AND VERTICAL LINES.

3. UNLESS OTHERWISE SPECIFIED, CONCRETE TRENCH COVER SHALL BE A MINIMUM OF 5 1/2" FOR ALLEYS, 7" FOR LOCAL THROUGH FOUR LANE COLLECTOR STREETS AND 9" THICK FOR ALL MAJOR OR GREATER STREET CLASSIFICATIONS.

4. ANY STREET TRENCH 7 FEET IN WIDTH OR GREATER AND LONGER THAN 100 FEET IN LENGTH SHALL BE RECONSTRUCTED WITH THE PAVEMENT SECTION FOR THE STREET CLASSIFICATION PER SCHEDULE "J" (SDG-113). STREET TRENCH SECTIONS 7 FEET IN WIDTH OR GREATER BUT LESS THAN 100 FEET IN OVERALL LENGTH SHALL BE RESURFACED TO A THICKNESS OF 1" GREATER THAN REQUIRED BY NOTE 3 ABOVE.

5. 560-C-3250 CONCRETE TREATED WITH A MINIMUM 2% CALCIUM CHLORIDE SOLUTION IN ACCORDANCE WITH 201-1 OR 650-CW-4000 (WO CC) CONCRETE MAY BE OPENED TO TRAFFIC 3 DAYS AFTER IT IS PLACED. 650-CW-4000 CONCRETE TREATED IN SAME MANNER (WCC) MAY BE OPENED TO TRAFFIC 24 HOURS AFTER IT IS PLACED. CONCRETE SPECIFIED BY ALTERNATE CLASS OR OTHERWISE CONTAINING FLY ASH IS NOT ALLOWED.

6. IN FOUR-LANE MAJOR OR GREATER STREETS, AN APPROVED SET ACCELERATING ADMIXTURE SUCH AS CALCIUM CHLORIDE, SHALL BE USED IN THE CONCRETE.