

# Mayor ED 17-02 Priority Permit

**LEGEND**

Orange: Private/Port Ownership-Private/Port Maintenance

Blue: City Ownership-Private/Port Maintenance

Green: City Ownership-City Maintenance

## Attachment A - Mission Rock Acceptance and Maintenance Matrix DRAFT (5/15/2020)

Row	Specific Improvement	General Description	Permitting Authority	Improvement Ownership Party	Party Having Liability	Party Responsible for Maintenance	Instrument Memorializing Maintenance Duties	Funding Source for Maintenance	Additional Notes
1.	<i>Real Property underlying Right-of-Way</i>	<i>Real property underneath public streets, as depicted. Improvements to be handled per entries below.</i>	N/A	N/A	Per improvement entries below				<ul style="list-style-type: none"> <li>Fee title to land to remain under Port ownership as Trustee of Public Trust Lands.</li> </ul>
<b>Lightweight Cellular Concrete (LCC) in Public Right-of-Way<sup>1</sup></b>									
2.	<i>Lightweight Cellular Concrete (LCC) Fill (in Public Right-of-Way)</i>	<i>Lightweight cellular concrete used to raise grades and mitigate consolidation settlement.</i>	Public Works	Public Works	Public Works; Developer to provide warranties described in Tentative Map Conditions of Approval	Public Works; Master Association to perform backfilling for City utility repair. Third party utilities to perform their own backfilling with LCC.	MOU; Master Association CC&Rs	Master Association fees for City trench backfilling	<ul style="list-style-type: none"> <li>Lightweight cellular concrete to be used as backfill in utility trenches.</li> <li>Typical bedding for SFPUC utilities.</li> <li>Subject to additional conditions per the Tentative Map.</li> </ul>
2.a	<i>Temporary LCC Edge Protection and Barrier Wall for Fall Protection</i>	<i>Shotcrete wall to cover exposed face of LCC and barrier wall to provide fall protection from elevated streets to existing grade at future building and open space parcels.</i>	Port	Port	Port	Port	MOU and MEP		<ul style="list-style-type: none"> <li>LCC edge protection to be Port-owned improvement on Port property.</li> <li>Wall for fall protection may be installed above edge protection.</li> <li>MEP may be required for temporary tiebacks in ROW.</li> </ul>
2.b	<i>LCC Perforated Drains for Structural Soils in Tree Wells</i>	<i>Perforated drainage system in public right-of-way.</i>	Public Works	Port*	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>In public right-of-way for draining structural soils in tree wells.</li> </ul>
<b>Standard Public Right-of-Way</b>									
3.	<i>Standard Roadway (pavement, curb and gutter)</i>	<i>City standard roadway including base paving, asphalt concrete wearing surface, curb and gutter (including mountable and street-facing curb and gutter on cycle track separators)</i>	Public Works	Public Works	Public Works, subject to Public Works Code Section 706	Public Works	MOU	Public Works	<ul style="list-style-type: none"> <li>Utility owner owns trench materials and its maintenance.</li> <li>SFMTA will maintain striping.</li> <li>Street sweeping performed by Public Works and reimbursement to be determined.</li> <li>Public Works to provide life cycle replacement and other maintenance.</li> <li>Cycle tracks and associated facilities should be operated and maintained by SFMTA.</li> </ul>

<sup>1</sup> Proposed use of LCC has not been approved; City's review is pending. Approval of LCC will require satisfaction of all applicable Conditions of Approval of Tentative Subdivision Map No. 9443 (Public Works Order No. 202,368), including a subsequent Public Works Order approving LCC criteria, and the City's approval of one or more discretionary permits.

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4.	<i>Standard Sidewalk Corner</i>	<i>Corner curb returns, curb ramps including the wings, sidewalk area at corners between extensions of the adjacent property lines, sidewalk bulbouts at corners with extensions of property lines.</i>	Public Works	Public Works	Public Works	Public Works	MOU	Public Works	<ul style="list-style-type: none"> <li>Port will need to adopt/apply PW Code Section 706 and include requirement in parcel leases.</li> </ul>
5.	<i>Non-Standard Sidewalk Corners</i>	<i>Non-standard corner curb returns, sidewalk area at corners between extensions of the adjacent property lines, sidewalk bulb-outs at corners within extensions of property lines.</i>	Public Works	Public Works	Public Works	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Treatments on bulbouts directed by the SFMTA would be owned by Public Works; SFMTA would be responsible for maintenance (pending separate Public Works/SFMTA agreement).</li> </ul>
		<i>Curb ramps including wings within non-standard curb returns/sidewalk corners.</i>	Public Works	Public Works	City – Public Works	Public Works	MOU	Public Works	
6.	<i>Non-Standard Roadway Treatment</i>	<i>Raised intersections; raised crosswalks, pavers, or other non-standard materials in roadway.</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>If non-standard features, City will not accept for maintenance and liability purposes.</li> </ul>
7.	<i>Sidewalks and Driveways</i>	<i>City standard concrete sidewalk thoroughway and driveways</i>	Public Works	Public Works	Port	Port*	MOU; BOS Ordinance Publicly Dedicating Sidewalk	MASTER ASSOCIATION or Adjoining Property HOA Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Ownership, maintenance, and funding will be equivalent for standard and non-standard sidewalks and driveways.</li> <li>Sidewalks and driveways are part of ROW, and Port proposes to dedicate these improvements to the City. While Public Works would permit and own the sidewalks and driveways, liability and maintenance should be responsibility of fronting property owner. Sidewalk and driveway liability and maintenance is typically the responsibility of the Fronting Property Owner under PW Code section 706, but for Port projects, this obligation could be imposed through the BOS ordinance publicly dedicating the sidewalk and/or an MEP, and the level of service should be equivalent to that required by PW Code 706. PW Code 786 allows for MEP to be used to document sidewalk maintenance responsibility.</li> </ul>
8.	<i>Sidewalk Streetlife Zone</i>	<i>Sidewalk streetscape/street furniture zone including pavers, landscape, irrigation, intermediate curbs and mid-block bulbouts</i>	Public Works	Port	Port	Port*	MOU and MEP for non-standard treatments/LS permit under 810B for landscaping	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
9.	<i>Streetlife Zone Planting: Street Trees</i>	<i>Trees planted within the sidewalk landscape zone, fronting private property. Does not include other landscaping.</i>	Public Works	Public Works	Port	Port*	MOU and MEP and Voluntary Agreement under Charter 16.129(c)	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Port will have underlying maintenance responsibility.</li> <li>Under Voluntary Agreement allowed under Charter 16.129(c), Master Association may maintain trees.</li> </ul>

**Shared Public Ways**

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10.	<i>Shared Public Ways - Non-Standard Roadway Treatments</i>	<i>Streets with non-standard paving, including unit pavers in the roadway or decorative paving; non-standard detectable warning pavement; flush curbs; and valley gutters.</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Applies to SPW and TFB (if approved as curbless street)</li> <li>Port to pay maintenance costs above those for standard City streets.</li> <li>SFPUC only obligated to restore with standard roadway treatments after repair and replacement work.</li> </ul>
11.	<i>Shared Public Ways - Linear Drainage Elements</i>	<i>Shared Public Way and Terry Francois Boulevard valley gutters and trench drains</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&R's) or Maintenance CFD	<ul style="list-style-type: none"> <li>Legal Mechanism or NSR may be required to indemnify City for liability should infrastructure cause flooding of adjacent buildings or basements during 5-100 year storm events.</li> </ul>
12.	<i>Standard Bike Lanes, Cycle Tracks</i>	<i>Class II or Class III bike facilities in the roadway, including pavement and striping; Class I or Class IV Cycle Track bike facilities in the public right-of-way, including pavement, delineators, curbs and gutters facing cycle track, signing, striping, and median separators up to back of curb adjacent to vehicular roadway</i>	Public Works	SFMTA	SFMTA	SFMTA	MOU	SFMTA	<ul style="list-style-type: none"> <li>Public Works will maintain paving</li> <li>SFMTA will maintain striping</li> </ul>
<b>Encroachments in the Right of Way</b>									
13.	<i>Seating</i>	<i>Benches or seating within the public right-of-way (not a City improvement)</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>City will not accept benches.</li> </ul>
14.	<i>City Standard Trash/Recycling Receptacles</i>	<i>Trash and/or Recycling Receptacles per City Standards</i>	Public Works	Public Works	Public Works	Public Works	Public Works	Public Works	<ul style="list-style-type: none"> <li>City responsible for collecting trash and recycling from trash receptacles in the public right-of-way.</li> </ul>
15.	<i>Custom Trash/Recycling Receptacles</i>	<i>Any trash or recycling receptacles which does not meet City standards</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>City will not accept custom receptacles; other entity will need to maintain.</li> <li>City responsible for collecting trash and recycling from trash receptacles in the public right-of-way.</li> </ul>
16.	<i>Bollards</i>	<i>Various types at flush curb conditions or fire access terminus</i>	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Port will be responsible for repair and replacement of bollards due to damage or life cycle degradation and restoring bollards if removed for utility excavations by the SFPUC.</li> <li>If bollard stops/prohibits vehicular access SFMTA may need to approve temporary street closure.</li> </ul>
17.	<i>Standard Bike Racks</i>	<i>SFMTA standard bike racks</i>	Public Works approval with signoff from SFMTA	SFMTA	SFMTA	SFMTA	MOU	SFMTA	<ul style="list-style-type: none"> <li>Will not be accepted by Public Works.</li> </ul>

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18.	Non-Standard Bike Rack	SFMTA approved non-standard bike rack	Public Works approval with signoff from SFMTA	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Unless owned by SFTMA, these facilities will be owned and maintained by Port.</li> </ul>
19.	Non-Standard Roadway Signage	Any additional signage for wayfinding, interpretive, art, etc.	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
20.	Street Lights	SFPUC standard street lights, roadway lighting and pedestrian lighting, including poles, luminaires, pull-boxes, and conduit	Public Works with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Includes street lights that are added to the SFPUC's standard list</li> </ul>
21.	Traffic Signals	Traffic signal heads, poles, cabinets, conduits, and all related appurtenances (excluding street lights)	Public Works with signoff from SFMTA	SFMTA	SFMTA	SFMTA	MOU	SFMTA	<ul style="list-style-type: none"> <li>Project is modifying existing signals at the following locations:                             <ul style="list-style-type: none"> <li>Third Street-Channel</li> <li>Third Street-Bay Trail Crossing (former Terry Francois Boulevard)</li> </ul> </li> <li>A new signal will be installed at Third Street and Spur Street (formerly Exposition Street). The horizontal developer is designing this signal and will be installing it as part of the approved SIP for Phase 1.</li> <li>Two new signals, identified in the EIR, to be located at 4<sup>th</sup> Street and Long Bridge and at 4<sup>th</sup> Street and Mission Rock will be designed and installed by the SFMTA via a fee payment by the Developer.</li> </ul>
22.	Standard Roadway Signage and Striping	Traffic Routing signage and striping per State and Federal Guidelines, including but not limited to stop signs, speed limit signs, travel lane striping and crosswalk striping	Public Works approval with signoff from SFMTA	SFMTA	SFMTA	SFMTA	MOU	SFMTA	
23.	Department of Technology (DT) Facility	Vaults, conduits and pull-boxes for DT fiber-optic network and Public Safety network	Public Works with signoff from DT	DT	DT	DT	MOU	DT	<ul style="list-style-type: none"> <li>MOU with Port</li> </ul>
24.	SFPUC Power System	Vaults, conduits, pull-boxes, ground rods, and appurtenances in accordance with SFPUC Rules and Regulations Governing Electrical Service	Public Works with signoff from PUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>SFPUC Power system facilities outside the public ROW would be subject to same maintenance and ownership standards but must be within an easement and subject to an easement agreement or equivalent.</li> </ul>
<b>Utilities in Public Rights-of-Way</b>									
25.	Non-City Utility Systems	Gas facilities, vaults, conduits, cabinets and pull-boxes	Public Works	Utility Owner	Utility Owner	Utility Owner	Franchise Agreement	Utility Owner	<ul style="list-style-type: none"> <li>Will not be accepted by the City. These facilities will be owned by private utility providers; subject to separate Port license agreements.</li> </ul>

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26.	<i>Sanitary Sewer System downstream of and including intercepting manhole for the private blackwater plant in Tentative Map Lot 2</i>	<i>Permanent pipes, pipe fittings, manholes and laterals up to face of vertical curb</i>	Public Works with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>SFPUC owns and maintains system within rights of way except for sanitary sewer line upstream of the blackwater plant on Exposition. See Specific Improvement above for Non-City Utility Systems.</li> </ul>
27.	<i>Sanitary Sewer System upstream of and including the sanitary sewer force main discharging flows from the private blackwater plant in Lot 2</i>	<i>Permanent pipes, pipe fittings, manholes and laterals up to face of vertical curb; gravity overflow pipe</i>	Public Works with signoff from SFPUC and Port	Port	Port	Port*	MOU and MEP	Third Party private utility provider or Maintenance CFD	<ul style="list-style-type: none"> <li>Blackwater collection pipes and associated infrastructure within the Exposition Street ROW.</li> <li>Laterals and cleanouts/air vents serving development parcels behind the face of curb are to be owned and maintained by said development parcel the lateral serves.</li> </ul>
28.	<i>Storm Drain System in Rights-of-Way and Channel Wharf</i>	<i>Permanent pipes, pipe fittings, manholes, drain inlets and laterals up to face of vertical curb; excludes stormwater management facilities</i>	Public Works approval with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>SFPUC owns and maintains system within Port/Trust land tributary to new Channel Wharf/Pier 48.5 outfall, which is subject to an MOU.</li> <li>Locations where SFPUC SD facilities are proposed on Port parcels, an MOU or other agreement will be required subject to approval by SFPUC.</li> <li>Port ownership of storm drain pipes draining to existing Atwater Outfall with transfer anticipated to SFPUC upon construction of new SFPUC outfall.</li> </ul>
29.	<i>Auxiliary Water Supply System (AWSS)</i>	<i>Permanent pipes, pipe fittings, valves, vaults, above ground structures and infrastructure, pumps, manifolds and hydrants</i>	Public Works approval with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOA	SFPUC	
30.	<i>Non-potable Water Distribution System</i>	<i>Permanent pipes, pipe fittings, valves, laterals up to and including the meters in accordance with SFPUC regulations</i>	Public Works	Private Entity	Private Entity	Private Entity	MEP	Private Entity	<ul style="list-style-type: none"> <li>System will be private and operated by a 3rd Party.</li> <li>Requires approval by DBI and DPH per code.</li> </ul>
31.	<i>Low Pressure Water System</i>	<i>Permanent pipes, pipe fittings, valves, hydrants, laterals up to and including the meters in accordance with SFPUC regulations</i>	Public Works approval with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Division of Responsibility between SFFD and SFPUC per 2015 MOU.</li> <li>LPW facilities in Port Open Space will be owned and maintained by the Port (Items 36 and 37).</li> </ul>
<b>Utilities in Shared Public Ways</b>									
32.	<i>Shared Public Ways - LPW System</i>	<i>Permanent pipes, pipe fittings, valves, vaults and fire hydrants</i>	Public Works	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>No low-pressure water service connections for buildings will be permitted on Shared Public Ways</li> </ul>
33.	<i>Shared Public Ways - SD Conveyance System</i>	<i>Pipes and City standard appurtenant structures, such as drop inlets and manholes</i>	Public Works	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Excludes service laterals and non-standard drainage structures</li> </ul>

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34.	Shared Public Ways - SD Laterals	Service laterals from main to private property	Public Works	Port	Port	Port	MOU and MEP	MASTER ASSOCIATION Fees (CC&R's) or Maintenance CFD or Parcel Lessee	
35.	Shared Public Way – SFPUC Standard Green Stormwater Infrastructure	SFPUC standard stormwater controls, including the treatment system, vegetation, soil media, aggregate matrix, underdrains, internal piping and fittings, cleanouts, conveyance piping appurtenances, curbs/walls, and laterals from facility to connection to SD	Public Works approval with signoff from SFPUC	SFPUC	SFPUC	SFPUC	SFPUC	SFPUC	<ul style="list-style-type: none"> <li>Applies to stormwater management facilities that treat runoff generated from public streets only and future SFPUC outfall.</li> <li>Excludes maintenance of vegetation, assigned to Master Association.</li> </ul>
36.	Shared Public Ways – Port-Owned SD System	Port-owned storm drain pipes on north end of Shared Public Way	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
37.	Shared Public Ways – Port-Owned SS System	Port-owned sanitary sewer pipes on north end of Shared Public Way	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
<b>Utilities in Parks and Open Spaces</b>									
38.	Private Water Lines and Fire Hydrants in Port Open Space	Private water line and hydrants, including backflow preventers	Port	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
39.	Private Water Lines Serving Parks	Private line, including meter and backflow preventer at edge of ROW, to serve park structures and other potable water needs in parks	Port	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
40.	Channel Street – SD System	Storm drain system in Channel Street	Public Works	Port	Port	Port*	MOU and MEP	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
41.	Bridgeview Paseo – Power Infrastructure	Electrical infrastructure located in the Bridgeview Paseo and powers China Basin Park	Port with signoff from SFPUC	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	
<b>Improvements in Parks and Open Spaces</b>									
42.	Lightweight Cellular Concrete (LCC) Fill (in Port Parks and Open Spaces)	Lightweight cellular concrete used to raise grades and mitigate consolidation settlement	Port	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	

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43.	<i>Parks and Open Space Improvements</i>	<i>Mission Rock Square, China Basin Park, Channel Street, Channel Lane, Channel Wharf, Shared Public Way Paseo, Bridgeview Paseo, Terry Francois Blvd Paseo</i>	Port	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Includes Geofoam or other lightweight fill materials, soil, planting, utilities supporting park facilities (including lateral services for kiosks), pavement, kiosks, structures, walls, light poles, light fixtures, lighting sub-structures and point-of-connection to power source, ancillary furnishing materials, and centralized stormwater treatment serving both public and private properties, and Bay Trail in China Basin Park.</li> </ul>
44.a	<i>Centralized Green Stormwater Infrastructure - Port</i>	<i>Non-standard, Port standard stormwater controls, including the treatment system, vegetation, soil media, aggregate matrix, underdrains, internal piping and fittings, overflow structures, conveyance piping appurtenances, curbs/walls, and laterals, treatment pump station, pumps, force mains, and sediment removal devices</i>	Port approval with signoff from SFPUC	Port	Port	Port*	Port resolution accepting parks	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Applies to stormwater management facilities that treat runoff generated from public streets, Port open space and development parcels on leased Port property, and convey flows to the Port outfalls</li> </ul>
44.b	<i>Centralized Green Stormwater Infrastructure – SFPUC</i>	<i>Non-standard or SFPUC standard stormwater controls, including the treatment system, vegetation, soil media, aggregate matrix, underdrains, internal piping and fittings, cleanouts, conveyance piping appurtenances, curbs/walls, and laterals from facility, treatment pump station, pumps, force mains, and sediment removal devices</i>	Port and SFPUC	TBD	TBD	TBD	TBD	TBD	<ul style="list-style-type: none"> <li>Will be determined during at a later Phase</li> <li>Applies to future phased treatment facilities that will be transferred to SFPUC once new outfall built at Channel Wharf and accepted by SFPUC</li> </ul>
45.	<i>Structurally supported paths within Parks and Open Spaces</i>	<i>Pile-supported pathways and promenades, including finished paving and all connected structural elements</i>	Port	Port	Port	Port*	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>If applicable</li> </ul>
<b>Miscellaneous Public Improvements</b>									

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46.	Electrical Switchgear	Electrical switchgear facility between SFPUC and PG&E power, including but not limited to electrical switch components, equipment pads or buildings, fencing, access roads, screening and driveways	Public Works approval with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>If SFPUC distribution is extended to site at 34.5 kV, see Item 47 below.</li> </ul>
47.	SFPUC Step Down Transformer	Electrical switchgear facility for SFPUC Power to drop voltage to 12KV	Public Works approval for initial design with signoff from SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Potential Option if SFPUC distribution is extended to the site at 34.5 kV. If SFPUC distribution is not extended to site, see Item 46 above.</li> </ul>
48.	Existing Storm Drain Outfall	Existing Port Outfall to remain at China Basin Park; Interim Phase 1 flows from Exposition Street City ROW to existing Port SD system tributary to existing Port Channel Wharf Outfall	Port	Port	Port	Port	MOU	Port	<ul style="list-style-type: none"> <li>SFPUC pipes will convey flows to existing Port outfalls. Port and Developer will lead regulatory compliance and permitting, as required.</li> <li>Existing Port SD system tributary to existing Channel Wharf outfall to remain in early phases.</li> <li>Channel Wharf Outfall to be replaced in future phase with SFPUC outfall/asset (See Item 49 below).</li> </ul>
49.	New Storm Drain Outfall	New SD outfall will be constructed at Channel Wharf	Port with SFPUC approval	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>MOU required per SFPUC direction</li> <li>SFPUC will take ownership once full build-out of project is complete.</li> </ul>
49.a	Central Utility Plant (CUP) Infrastructure	Pipes; appurtenances; structures; plant in Parcel A.	Port and/or Public Works depending on location of facility	Private Entity	Private Entity	Private Entity	MEP	Private Entity	<ul style="list-style-type: none"> <li>This does not include existing facilities in Pier 50 that are the responsibility of the Port.</li> <li>If there are proposed facilities from this CUP in the right-of-way a Major Encroachment Permit would be required to identify and document the facility for coordination, maintenance purposes.</li> </ul>
49.b	Central Utility Plant (CUP) Infrastructure	Bay Source Cooling infrastructure	Port	Private Entity	Private Entity	Private Entity	MEP	Private Entity	<ul style="list-style-type: none"> <li>This does not include existing facilities in Pier 48 that are the responsibility of the Port.</li> <li>If there are proposed facilities from this CUP in the right-of-way a Major Encroachment Permit would be required to identify and document the facility for coordination, maintenance purposes.</li> </ul>
51.	Sea Level Rise Improvements	Adaptive Management Strategies to be designed and constructed in the future.	Port	Port	Port	Port	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Excludes buildings, which are the responsibility of the building owner.</li> <li>Mitigations to be determined in the future based on monitoring.</li> </ul>

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Row	Specific Improvement	General Description	Permitting Authority	Improvement Ownership Party	Party Having Liability	Party Responsible for Maintenance	Instrument Memorializing Maintenance Duties	Funding Source for Maintenance	Additional Notes
52.	<i>Non-Potable Water Treatment and Storage</i>	<i>Blackwater plant; sanitary sewer pump station; lift station; blowdown facility</i>	Port Building Department w/ SFPW and/or SFDPH	Private Entity	Private Entity	Private Entity	Private Utility Agreement	Private Entity	
53.	<i>Stormwater Trash Collection Structure - China Basin Park</i>		Port	Port	Port	SFPUC or Port	MOU	MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Port may enter into an MOU with the PUC to operate and maintain trash collection systems at existing 12-inch Port outfall at China Basin Park.</li> <li>Required by RWQCB.</li> </ul>
54.	<i>Stormwater Trash Collection Structure - Channel Wharf</i>		Port	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>SFPUC to own, operate and maintain trash capture devise upstream of the proposed SD outfall at Channel Wharf.</li> <li>Required by RWQCB.</li> </ul>
55.	<i>Stormwater treatment diversion structure</i>	<i>Public storm drain structure to split required public and private WQ treatment flows from public storm drain system</i>	Public Works	SFPUC	SFPUC	SFPUC or Port	TBD	TBD	<ul style="list-style-type: none"> <li>This is subject to further discussion with SFPUC and the Port depending on who will control the outfalls.</li> <li>The diversion structures divert treatment flows to Port outfalls and the larger storm events to either the SFPUC system in 3rd Street or the existing Port outfalls.</li> </ul>
56.	<i>Flexible Utility Connections for Public Utilities</i>	<i>Flexible utility connections including pipes and appurtenances to accommodate potential differential settlement where public utility on structure interface with public utilities previously built on grade</i>	SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Applies to public low pressure water mains.</li> <li>Locations include the following intersections: 3rd-Exposition, 3rd-Long Bridge, Mission Rock- Bridgeview, TFB-Exposition, TFB-Long Bridge.</li> </ul>
57.	<i>SFPUC stormwater Non-Compliant Flows Interceptor Facilities</i>	<i>Pipe from diversion structure, interceptor pump station facilities, force main to sewer main, gravity line to sewer main.</i>	SFPUC	SFPUC	SFPUC	SFPUC	MOU	SFPUC	<ul style="list-style-type: none"> <li>Outfalls are owned by Port not SFPUC, but it is unknown if the Port would require these facilities in line with the SFPUC requirements.</li> </ul>
58.	<i>Interim Improvements required for functionality of Phased Improvements</i>	<p><i>Phase 1 Interim Improvements include:</i></p> <ul style="list-style-type: none"> <li><i>Channel Street geotechnical improvements, grading, landscaping and roadway improvements for temporary access to SPW and Lot A</i></li> <li><i>Geotechnical Improvements, grading and temporary landscaping along the south side of Block F</i></li> <li><i>Geotechnical Improvements, grading and temporary streetscape and roadway improvements south of northern block of Bridgeview St, including a turnaround at the end of the dead-end street.</i></li> <li><i>Shotcrete or other protection for exposed LCC along the perimeter of the phase.</i></li> </ul>	Port	Port	Port	Port	Master Lease & DDA	Master Developer or MASTER ASSOCIATION Fees (CC&Rs) or Maintenance CFD	<ul style="list-style-type: none"> <li>Generally, Acquisition Agreements are limited to Permanent Infrastructure at full build-out, this is just temporary work to accommodate the Developer's phasing.</li> </ul>

\*Port may pass maintenance responsibility to appropriate party via Maintenance Agreement.

## Mayor ED 17-02 Priority Permit

**LEGEND**

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		<ul style="list-style-type: none"> <li>Concrete or other barriers along the edge of future</li> </ul>							

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