Los Angeles Department of Water & Power

Pacific Palisades Undergrounding Initiative

Property Owner & Contractor Requirements for Future-Ready Electrical Service

The Los Angeles Department of Water and Power (LADWP) is committed to transitioning neighborhoods in Pacific Palisades to underground electrical distribution lines and services to the extent feasible as part of wildfire resilience and modernization efforts. While undergrounding will occur in phases, property owners rebuilding today have a unique opportunity to prepare for this future without costly disruptions later.

Installing the required infrastructure now—during your rebuild—will prevent the need for future excavation that could damage hardscaping, driveways, and landscaping. This proactive step ensures your property is ready for underground service when/if your block is converted.

Required Actions

As part of your rebuild, property owners and contractors must:

1. Install a Combination Service Panel

- The panel must accommodate both overhead and underground feeds (maximum 400A rating).
- This ensures flexibility for current overhead service and future underground conversion without panel replacement.

2. Build Out Conduit to the Street

- Install one 3" PVC conduit from the service panel to the front property line, terminating perpendicular to the street.
- Conduit must be Direct Buried beneath any driveable surface (e.g., driveways) to avoid future trenching.
- Maintain 3' clearance from side property lines and 10' clearance from tree trunks.
- Maximum conduit length: 120 feet.

3. Coordinate with LADWP

- Request a meter spot and schedule a pre-construction meeting with LADWP Electrical Service Representative (ESR) before installation.
- Ensure conduit and termination points meet LADWP specifications (refer to LADWP UGCS H-168).

Why This Matters

Without these steps, future undergrounding will require **breaking through driveways, patios, and landscaping,** resulting in higher costs and inconvenience. By installing a combo panel and conduit now, you:

- Avoid future disruption and expense.
- Enable seamless transition to underground service.

Los Angeles LA DWP Department of Water & Power

LADWP Electric Service Installation Steps for Pacific Palisades Fire Restoration

LADWP Electric Service Installation Steps for Pacific Palisades Fire Restoration

1. Have a copy of LADBS approved building plans.
2. Submit an Electric Service Request from LADWP through the Meter Spot Request link: www.ladwp.com/ams
3. Contact LADWP Electric Service Representative (ESR) **before construction at (213) 367-6937** to do an onsite consultation on where to install the meter panel and conduit.
4. Install the 3-in conduit riser and the Schedule 40 - 3-in diameter x 36-in radius 90º conduit sweep stubbed up at the location where the meter panel will be installed. **Call ESR for inspection of the conduit sweep & riser.**
5. Install the combination overhead & underground meter panel when the framing is in place. Before the wall is covered, **Call ESR for inspection of the meter panel.** If the conduit is not visible from the exterior or interior side of the wall during inspection, customer/contractor will be required to expose any wall covering so the conduit can be observed by the inspector.
6. Extend conduit from the 90º 3-in diameter x 36-in radius sweep to the front property line with 1 Schedule 40 - 22.5º degree x 36-in radius sweep and with the needed lengths of Schedule 40 - 3-in diameter straight PVC conduits. Must use **purple primer and clear PVC glue** for PVC connections.

7. Install LADWP supplied Flat Line and Duct Plug in the finished conduit installation from the meter panel pull section to the end of the conduit at the front property line. **The primer & glue containers must be onsite**. **Call ESR for inspection of the conduit.**

8. Install Lead Plug in the curb face. If there is no curb face where the conduit is routed, install the Lead Plug on the top of the driveway "curb". **To be inspected by the ESR with the final inspection of the conduit.**

9. **Call ESR for final inspection** of the meter panel, the service entrance riser, the weatherhead, the service entrance wires extended out of the weatherhead 3-ft with the neutral wire identified with white tape, and the overhead periscope bracket to attach the DWP service drop.

10. Power will be released when both LADBS and LADWP have made their final electrical approvals and there is an application for a permanent power account at DWP. The power connection time can vary due to the volume of jobs or weather related delays. Ask the ESR for current estimated installation times. This can be a few days or a few weeks.

Los Angeles LA DWP Department of Water & Power

Underground Conduit Guidelines for Palisades

THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY. NOT FOR CONSTRUCTION

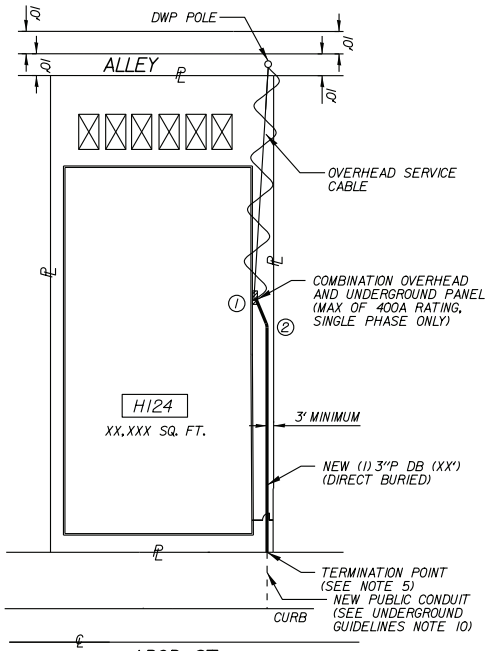


EXHIBIT 1

CONDUIT INSTALLATION WITH LADWP POLE LINE ALONG REAR OF PROPERTY (STANDARD)

CURVE DATA SAMPLE			
①	Δ = 90°	R = 3'	L = 4.71'
②	Δ = 22.5°	R = 5'	L = 1.96'

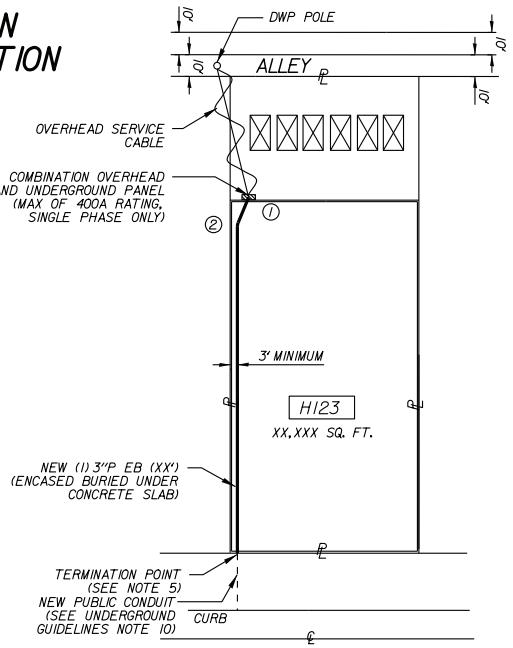


EXHIBIT 2

CONDUIT INSTALLATION UNDER BUILDING WITH LADWP POLE LINE ALONG REAR OF PROPERTY (INFILL PROPERTIES) SEE NOTE 13

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING BEFORE CONDUIT IS INSTALLED

NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

UNDERGROUND GUIDELINES

1. NEW SERVICE CONDUIT TO MAINTAIN 3' MINIMUM CLEARANCE FROM SIDE LOT LINE. CONDUIT MAY NOT PASS BENEATH ANY FOOTINGS FROM PROPERTY LINE WALLS OR RETAINING WALLS.
2. ALL CONDUIT TO BE INSTALLED WILL BE (1) 3"P AND WILL BE TERMINATED AT THE FRONT OF PROPERTY 30" BELOW GUTTER GRADE (THIS MEASUREMENT IS TAKEN TO THE TOP OF THE CONDUIT FOR DIRECT BURIED AND FROM THE TOP OF THE ENCASEMENT FOR ENCASED BUIRED CONDUIT). TERMINATION POINT TO BE 3' OFF OF SIDE PROPERTY LINE FOR FUTURE CONNECTION TO UNDERGROUND INFRASTRUCTURE. THE ESR IS TO RECORD EXACT TERMINATION POINT ON INSPECTION DOCUMENTS. THERE MAY BE A NEED FOR A (1) 4"P CONDUIT IN LIEU OF 3". PENDING ESR REVIEW AND PRE-CONSTRUCTION MEETING.
3. WHEN INSTALLING CONDUIT, THE CUSTOMER IS ALLOWED 2 90-DEGREE BENDS AND 1-45 DEGREE BEND WITHIN PRIVATE PROPERTY. PLEASE KEEP IN MIND THAT THE SWEEP UP INTO THE BOTTOM OF THE PANEL COUNTS TOWARDS THE BEND ALLOTMENT. WHEN POSSIBLE, THE BEND TO BRING THE CONDUIT PARALLEL TO THE SIDE PL SHOULD BE 22.5-DEGREES TO MINIMIZE TOTAL DEGREES IN BENDS. PLEASE KEEP IN MIND THAT IF A TOTAL OF 225-DEGREES IS EXCEEDED, THE JOB WILL BE FORWARDED TO ENGINEERING FOR DESIGN AS A HANDHOLE STRUCTURE MAY BE NECESSARY TO AVOID CABLE PULLING TENSION CONCERNS.
4. CONDUIT ENCASEMENT TO BE REQUIRED AT ESR DISCRETION. FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADWP UGCS H-168 AS LAST REVISED.
5. NEW SERVICE CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APRON IN THE PUBLIC RIGHT OF WAY UNLESS NO OTHER OPTION IS AVAILABLE. CONDUIT SHALL TERMINATE WHERE IT WILL NOT HIT A TREE, UTILITY METER, STREET LIGHT, OR ANY OTHER OBSTRUCTION IN THE PUBLIC RIGHT OF WAY SHOULD IT CONTINUE TO THE STREET.
6. NEW SERVICE CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
7. NEW SERVICE CONDUIT NOT TO BE INSTALLED WITHIN THE DRIP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
8. NEW SERVICE CONDUIT IS LIMITED TO 120' IN LENGTH. SHOULD A LONGER DISTANCE BE REQUIRED, THE PROJECT WILL REQUIRE ENGINEERING REVIEW AND DESIGN.
9. CUSTOMER TO INSTALL LEAD PLUG IN CURB IN FRONT OF PROPERTY IN LINE WITH TERMINATION POINT AT THE FRONT PROPERTY LINE. PLEASE REFERENCE LADWP UGCS H-168 AS LAST REVISED FOR EXACT DETAILS.
10. NEW FUTURE PUBLIC RIGHT OF WAY CONDUIT NOT TO BE INSTALLED BY CUSTOMER.
11. CONDUIT BETWEEN THE GROUND AND THE BOTTOM OF THE PANEL SHALL BE GALVANIZED RIGID CONDUIT.
12. FOR MORE SPECIFICS ON TRENCH DETAILS AND CONDUIT INSTALLATION PLEASE REFER TO THE ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 6 AND SPECIFICATION 104 AS LAST REVISED.
13. CUSTOMER TO PROVIDE STRUCTURAL DRAWINGS STAMPED AND SIGNED BY A REGISTERED STRUCTURAL ENGINEER DETAILING THE ENCASED GALVANIZED CONDUIT RUN EXPOSED ON THE GARAGE WALL OR CEILING IN COMPLIANCE WITH LADWP ELECTRIC SERVICE REQUIREMENTS PAGE 6-7 SECTION N. DRAWINGS SHALL BE SUBMITTED PRIOR TO START OF CONSTRUCTION

SWITCHBOARD GUIDELINES

1. SERVICE EQUIPMENT INSTALLED TO BE A COMBINATION PANEL THAT ALLOWS FOR OVERHEAD AND/OR UNDERGROUND CONNECTION. REFERENCE THE ELECTRIC SERVICE REQUIREMENTS SECTION FOR MORE INFORMATION
2. SERVICE PANEL TO BE LOCATED ON PERMANENT LADBS APPROVED STRUCTURE WITH LADDER CLEARANCES NECESSARY TO ACCESS WEATHERHEAD POINT OF CONNECTION. REFER TO THE ELECTRIC SERVICE REQUIREMENTS SECTION 7 FOR CLEARANCE REQUIREMENTS NEEDED FOR OVERHEAD CONNECTION. PLEASE CONSULT THE LADWP ESR.
3. PROVIDE WORKSPACE CLEARANCE PER LADWP ELECTRICAL SERVICE REQUIREMENTS SECTION 5.
4. CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING WITH LADWP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS. PLEASE CONSULT THE LADWP ESR.

PLEASE BE ADVISED, A 2'X3' HANDHOLE MAY BE REQUIRED PER THE DISCRETION OF THE ESR WITH ASSISTANCE FROM NEW BUSINESS ENGINEERING

SERVICE CENTER JOB LOCATION: WLA	SERVICE CENTER CONSTRUCTION: WLA	WR #: 3058525	CONST #: LCQ03	PROJECT #: P333651	NON-CONST #: LCQ02

CITY OF LOS ANGELES
DEPARTMENT OF
WATER AND POWER
POWER SYSTEM ENGINEERING

PACIFIC PALISADES REBUILD
GUIDELINES FOR FUTURE
UNDERGROUND CONDUIT ON
OVERHEAD SERVICES
400A & BELOW

DESIGN	J. HARMS	DRAFTING	J. HARMS
OK	DAR	CHECKER	J. HARMS
APPROVED	Daniel Rostom	DATE	11/25/25

25E5186 | SHEET 1 OF 1

THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY. NOT FOR CONSTRUCTION

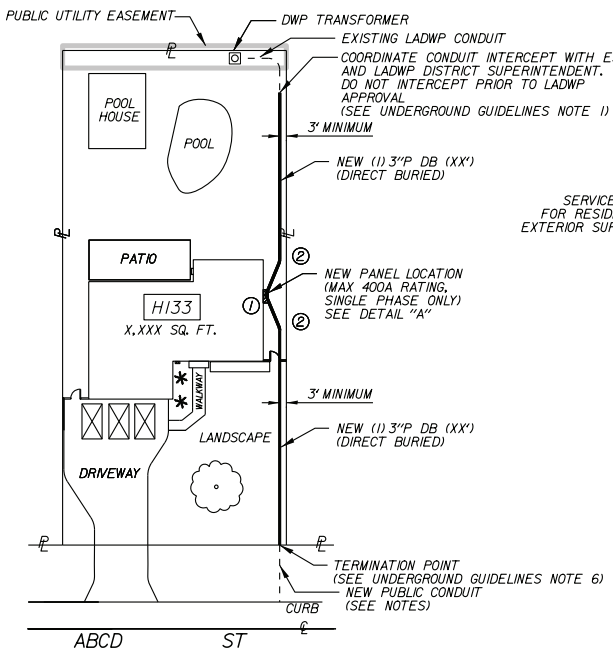
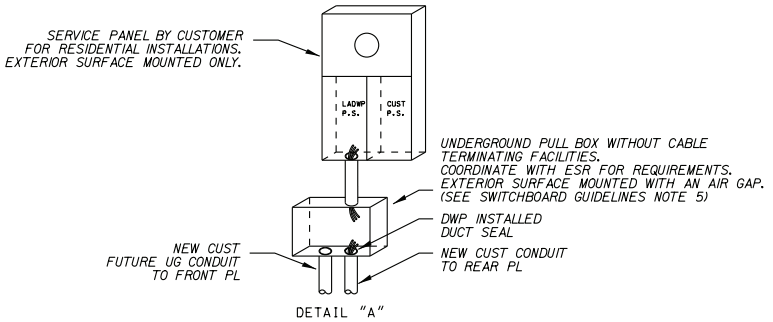


EXHIBIT 1

CONDUIT INSTALLATION WITH LADWP CONNECTION ALONG REAR OF PROPERTY



DETAIL "A"

CURVE DATA SAMPLE			
(1)	Δ = 90°	R = 3'	L = 4.71'
(2)	Δ = 22.5°	R = 5'	L = 1.96'

PROPERTY AND EASEMENT LINES

1. CUSTOMER IS NOT ALLOWED TO BUILD WITHIN LADWP PUBLIC UTILITY EASEMENT.
2. PROPERTY AND EASEMENT LINES ARE TO BE LOCATED BY THE CUSTOMER'S SURVEYOR.
3. THE CUSTOMER'S SURVEYOR SHALL ENSURE FIELD SURVEY MARKS ARE VISIBLE FOR THE LADWP ESR INSPECTION.

UNDERGROUND GUIDELINES

1. CUSTOMER TO COORDINATE WITH THE ESR AT 213-367-6247 AND WLA CONDUIT SUPERINTENDENT AT 310-524-8436 PRIOR TO CONDUIT INTERCEPT.
2. NEW SERVICE CONDUIT TO MAINTAIN 3' MININMUM CLEARANCE FROM SIDE LOT LINE. CONDUIT MAY NOT PASS BENEATH ANY FOOTINGS FROM PROPERTY LINE WALLS OR RETAINING WALLS.
3. ALL CONDUIT TO BE INSTALLED WILL BE (1) 3"P. FUTURE CONDUIT WILL BE TERMINATED AT THE FRONT OF PROPERTY 30" BELOW GUTTER GRADE (THIS MEASUREMENT IS TAKEN TO THE TOP OF THE CONDUIT FOR DIRECT BURIED AND FROM THE TOP OF THE ENCASEMENT FOR ENCASED BUIRED CONDUIT). TERMINATION POINT TO BE 3' OFF OF SIDE PROPERTY LINE FOR FUTURE CONNECTION TO UNDERGROUND INFRASTRUCTURE. THE ESR IS TO RECORD EXACT TERMINATION POINT ON INSPECTION DOCUMENTS. THERE MAY BE A NEED FOR A (1) 4"P CONDUIT IN LIEU OF 3", PENDING ESR REVIEW AND PRE-CONSTRUCTION MEETING.
4. WHEN INSTALLING CONDUIT, THE CUSTOMER IS ALLOWED 2 90-DEGREE BENDS AND 1-45 DEGREE BEND WITHIN PRIVATE PROPERTY. PLEASE KEEP IN MIND THAT THE SWEEP UP INTO THE BOTTOM OF THE PANEL COUNTS TOWARDS THE BEND ALLOTMENT. WHEN POSSIBLE, THE BEND TO BRING THE CONDUIT PARALLEL TO THE SIDE PL SHOULD BE 22.5-DEGREES TO MINIMIZE TOTAL DEGREES IN BENDS. PLEASE KEEP IN MIND THAT IF A TOTAL OF 225-DEGREES IS EXCEEDED, THE JOB WILL BE FORWARDED TO ENGINEERING FOR DESIGN AS A HANDHOLE STRUCTURE MAY BE NECESSARY TO AVOID CABLE PULLING TENSION CONCERNS.
5. CONDUIT ENCASEMENT TO BE REQUIRED AT ESR DISCRETION. FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADWP UGCS H-168 AS LAST REVISED.
6. NEW CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APRON IN THE PUBLIC RIGHT OF WAY UNLESS NO OTHER OPTION IS AVAILABLE. CONDUIT SHALL TERMINATE WHERE IT WILL NOT HIT A TREE, UTILITY METER, STREET LIGHT, OR ANY OTHER OBSTRUCTION IN THE PUBLIC RIGHT OF WAY SHOULD IT CONTINUE TO THE STREET.
7. NEW CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
8. NEW CONDUIT NOT TO BE INSTALLED WITHIN THE DRIP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
9. NEW CONDUIT IS LIMITED TO 120' IN LENGTH. SHOULD A LONGER DISTANCE BE REQUIRED, THE PROJECT WILL REQUIRE ENGINEERING REVIEW AND DESIGN.
10. CUSTOMER TO INSTALL LEAD PLUG IN CURB IN FRONT OF PROPERTY IN LINE WITH TERMINATION POINT AT THE FRONT PROPERTY LINE. PLEASE REFERENCE LADWP UGCS H-168 AS LAST REVISED FOR EXACT DETAILS.
11. NEW FUTURE PUBLIC RIGHT OF WAY CONDUIT NOT TO BE INSTALLED BY CUSTOMER.
12. CONDUIT BETWEEN THE GROUND AND THE BOTTOM OF THE PANEL SHALL BE GALVANIZED RIGID CONDUIT.
13. FOR MORE SPECIFICS ON TRENCH DETAILS AND CONDUIT INSTALLATION PLEASE REFER TO THE ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 6 AND SPECIFICATION 104 AS LAST REVISED.

SWITCHBOARD GUIDELINES

1. SERVICE EQUIPMENT INSTALLED TO INCLUDE AN UNDERGROUND PULL BOX WITHOUT TERMINATING FACILITIES THAT ALLOWS FOR DUAL UNDERGROUND CONNECTION. REFERENCE DETAIL "A" AND THE ELECTRIC SERVICE REQUIREMENTS SECTION FOR MORE INFORMATION.
2. SERVICE PANEL TO BE LOCATED ON PERMANENT LADBS APPROVED STRUCTURE. COORDINATE WITH ESR FOR CLEARANCE REQUIREMENTS.
3. PROVIDE WORKSPACE CLEARANCE PER LADWP ELECTRICAL SERVICE REQUIREMENTS.
4. CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING WITH LADWP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS.
5. REFER TO LADWP ELECTRICAL SERVICE REQUIREMENTS MANUAL PAGE 2-15 FOR PULL BOX DIMENSIONS

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING BEFORE EQUIPMENT OR CONDUIT IS INSTALLED

NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

PLEASE BE ADVISED, A 2'X3' HANDHOLE MAY BE REQUIRED PER THE DISCRETION OF THE ESR WITH ASSISTANCE FROM NEW BUSINESS ENGINEERING

SERVICE CENTER JOB LOCATION	WLA	SERVICE CENTER CONSTRUCTION	WLA

WR #:	CONST #:	PROJECT #:	NON-CONST #:
3058523	LCQ03	P333651	LCQ02

CITY OF LOS ANGELES
DEPARTMENT OF
WATER AND POWER
POWER SYSTEM ENGINEERING

PACIFIC PALISADES REBUILD GUIDELINES FOR FUTURE UNDERGROUND CONDUIT WITH EXISTING REAR UNDERGROUND SERVICE 400A & BELOW

DESIGN	J. HARMS	DRAFTING	J. HARMS
OK	DAR	CHECKER	J. HARMS
APPROVED	Daniel Rostom	DATE	12/11/25

25E5187 SHEET 1 OF 1

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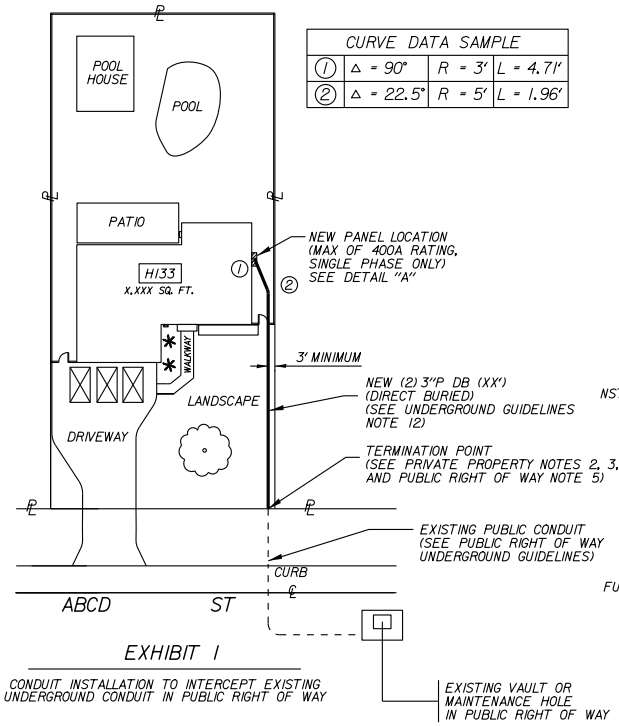

CURVE DATA SAMPLE			
①	Δ = 90°	R = 3'	L = 4.71'
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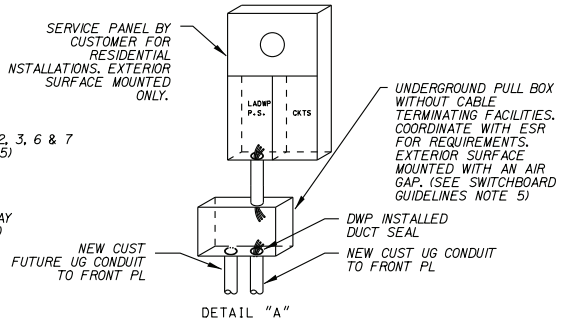
EXHIBIT I

CONDUIT INSTALLATION TO INTERCEPT EXISTING UNDERGROUND CONDUIT IN PUBLIC RIGHT OF WAY



DETAIL "A"

UNDERGROUND GUIDELINES (PUBLIC)

1. NEW CONDUIT IN THE PUBLIC RIGHT OF WAY WILL BE NEEDED IF THE CONDUIT IS SMALLER THAN 3" AND/OR NOT PLASTIC. IF EITHER ARE TRUE, THE PROJECT WILL REQUIRE ENGINEERING DESIGN TO BRING NEW, PROPERLY SIZED, CONDUIT TO THE PROPERTY.
2. CUSTOMER TO HAVE OPTION, AT THEIR OWN EXPENSE, TO REQUEST FIBER CONUDIT (3" AND LARGER) TO BE MANDRELLED BY LADWP WEST LA DISTRICT. IF THE CONDUIT IS REUSABLE, THEY MAY PROCEED WITHOUT ENGINEERING DESIGN. HOWEVER, IF CONDUIT FAILS UPON PULLING OF NEW CABLE OR UPON REMOVAL OF THE OLD CABLE, AN ENGINEERING DESIGN WILL BE NEEDED.
3. SERVICE SIZES OF 600A AND LARGER CANNOT BE FED FROM THE EXISTING UNDERGROUND INFRASTRUCTURE. AN ONSITE TRANSFORMER PAD WILL BE REQUIRED FOR ALL SERVICES 600A AND LARGER.
4. IF NEW CONDUIT IS REQUIRED, AND THE EXISTING VAULT IN THE STREET DOES NOT HAVE ENOUGH SPACE ON THE WALL FOR NEW CONDUIT TO BE ADDED, A NEW VAULT MAY BE REQUIRED, PENDING ENGINEERING REVIEW.
5. CUSTOMER TO NOT CONNECT NEW CONDUIT TO EXISTING CONDUIT AT THE PL UNTIL GIVEN EXPRESS PERMISSION BY THE ESR.

UNDERGROUND GUIDELINES (PRIVATE)

1. NEW SERVICE CONDUIT TO MAINTAIN 3' CLEARANCE FROM SIDE LOT LINE. CONDUIT MAY NOT PASS BENEATH ANY FOOTINGS FROM PROPERTY LINE WALLS OR RETAINING WALLS.
2. ALL CONDUIT TO BE INSTALLED WILL BE (2) 3"P AND WILL BE TERMINATED AT THE FRONT OF PROPERTY 30" BELOW GUTTER GRADE (THIS MEASUREMENT IS TAKEN TO THE TOP OF THE CONDUIT FOR DIRECT BURIED AND FROM THE TOP OF THE ENCASEMENT FOR ENCASED BUIRED CONDUIT). TERMINATION POINT TO BE 3' OFF OF SIDE PROPERTY LINE FOR FUTURE CONNECTION TO UNDERGROUND INFRASTRUCTURE. THE ESR IS TO RECORD EXACT TERMINATION POINT ON INSPECTION DOCUMENTS. THERE MAY BE A NEED FOR (2) 4"P CONDUITS IN LIEU OF 3", PENDING ESR REVIEW AND PRE-CONSTRUCTION MEETING.
3. THE SPARE CONDUIT IS TO BE INSTALLED FOR FUTURE CUTOVER TO NEW PUBLIC RIGHT OF WAY INFRASTRUCTURE AND LEFT AS A DEAD END AT THE PROPERTY LINE. PLEASE COORDINATE THE SPARE CONDUIT WITH THE ESR.
4. WHEN INSTALLING CONDUIT, THE CUSTOMER IS ALLOWED 2 90-DEGREE BENDS AND 1 45 DEGREE BEND WITHIN PRIVATE PROPERTY. PLEASE KEEP IN MIND THAT THE SWEEP UP INTO THE BOTTOM OF THE PANEL COUNTS TOWARDS THE BEND ALLOTMENT. WHEN POSSIBLE, THE BEND TO BRING THE CONDUIT PARALLEL TO THE SIDE PL SHOULD BE 22.5-DEGREES TO MINIMIZE TOTAL DEGREES IN BENDS. PLEASE KEEP IN MIND THAT IF A TOTAL OF 225-DEGREES IS EXCEEDED, THE JOB WILL BE FORWARDED TO ENGINEERING FOR DESIGN AS A HANDHOLE STRUCTURE MAY BE NECESSARY TO AVOID CABLE PULLING TENSION CONCERNS.
5. CONDUIT ENCASEMENT TO BE REQUIRED AT ESR DISCRETION. FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADWP UGCS H-168 AS LAST REVISED.
6. NEW SERVICE CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APRON IN THE PUBLIC RIGHT OF WAY UNLESS NO OTHER OPTION IS AVAILABLE. CONDUIT SHALL TERMINATE WHERE IT WILL NOT HIT A TREE, UTILITY METER, STREET LIGHT, OR ANY OTHER OBSTRUCTION IN THE PUBLIC RIGHT OF WAY SHOULD IT CONTINUE TO THE STREET.
7. NEW SERVICE CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
8. NEW SERVICE CONDUIT NOT TO BE INSTALLED WITHIN THE DRIP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
9. NEW SERVICE CONDUIT IS LIMITED TO 120' IN LENGTH WITHIN PRIVATE PROPERTY. SHOULD A LONGER DISTANCE BE REQUIRED, THE PROJECT WILL REQUIRE ENGINEERING REVIEW AND DESIGN.
10. CUSTOMER TO INSTALL LEAD PLUG IN CURB IN FRONT OF PROPERTY IN LINE WITH TERMINATION POINT AT THE FRONT PROPERTY LINE. PLEASE REFERENCE LADWP UGCS H-168 AS LAST REVISED FOR EXACT DETAILS.
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12. FOR MORE SPECIFICS ON TRENCH DETAILS AND CONDUIT INSTALLATION PLEASE REFER TO THE ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 6 AND SPECIFICATION 104 AS LAST REVISED.

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING BEFORE CONDUIT IS INSTALLED

NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

SWITCHBOARD GUIDELINES

1. SERVICE EQUIPMENT INSTALLED TO INCLUDE AN UNDERGROUND PULL BOX WITHOUT TERMINATING FACILITIES THAT ALLOWS FOR DUAL UNDERGROUND CONNECTION. REFERENCE DETAIL "A" AND THE ELECTRIC SERVICE REQUIREMENTS SECTION FOR MORE INFORMATION.
2. SERVICE PANEL TO BE LOCATED ON PERMANENT LADBS APPROVED STRUCTURE. COORDINATE WITH ESR FOR CLEARANCE REQUIREMENTS.
3. PROVIDE WORKSPACE CLEARANCE PER LADWP ELECTRICAL SERVICE REQUIREMENTS.
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5. REFERENCE LADWP ELECTRICAL SERVICE REQUIREMENTS MANUAL PAGE 2-15 FOR PULL BOX DIMENSIONS.

PLEASE BE ADVISED, A 2'X3' HANDHOLE MAY BE REQUIRED PER THE DISCRETION OF THE ESR WITH ASSISTANCE FROM NEW BUSINESS ENGINEERING

SERVICE CENTER JOB LOCATION	SERVICE CENTER CONSTRUCTION	WR #:	CONST #:	PROJECT #:	NON-CONST #:
WLA	WLA	3058524	LCQ03	P333651	LCQ02

CITY OF LOS ANGELES
DEPARTMENT OF
WATER AND POWER
POWER SYSTEM ENGINEERING

DESIGN	DRAFTING
J. HARMS	J. HARMS
OK	CHECKER J. HARMS
APPROVED	DATE 11/22/25

PACIFIC PALISADES REBUILD GUIDELINES FOR FUTURE UNDERGROUND SERVICE WITH EXISTING UNDERGROUND CONDUIT 400A & BELOW

25E5184 | SHEET 1 OF 1

THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY. NOT FOR CONSTRUCTION

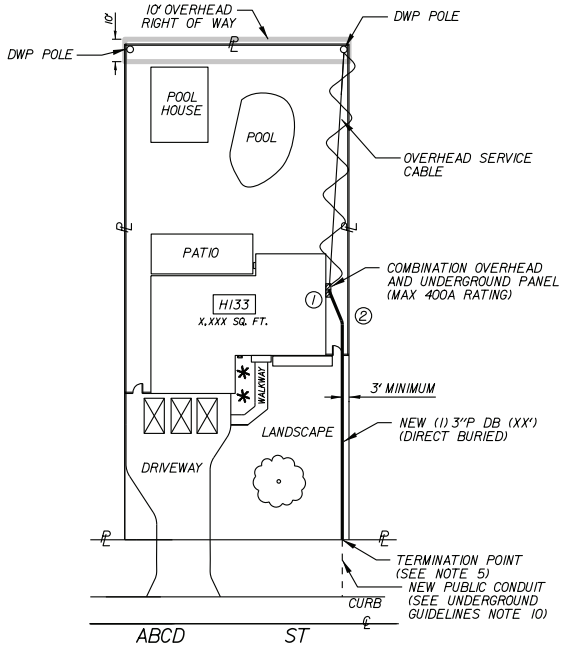


EXHIBIT 1

CONDUIT INSTALLATION WITH LADWP POLE LINE ALONG REAR OF PROPERTY

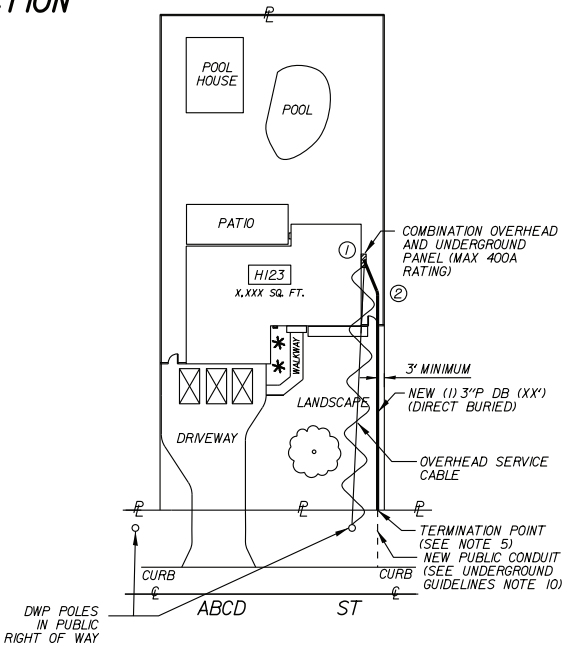


EXHIBIT 2

CONDUIT INSTALLATION WITH LADWP POLE LINE ALONG FRONT OF PROPERTY

CURVE DATA SAMPLE			
1	Δ = 90°	R = 3'	L = 4.71'
2	Δ = 22.5°	R = 5'	L = 1.96'

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING BEFORE CONDUIT IS INSTALLED

NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

PLEASE BE ADVISED, A 2'X3' HANDHOLE MAY BE REQUIRED PER THE DISCRETION OF THE ESR WITH ASSISTANCE FROM NEW BUSINESS ENGINEERING

UNDERGROUND GUIDELINES

1. NEW SERVICE CONDUIT TO MAINTAIN 3' CLEARANCE FROM SIDE LOT LINE. CONDUIT MAY NOT PASS BENEATH ANY FOOTINGS FROM PROPERTY LINE WALLS OR RETAINING WALLS.
2. ALL CONDUIT TO BE INSTALLED WILL BE (1) 3"P AND WILL BE TERMINATED AT THE FRONT OF PROPERTY 30" BELOW GUTTER GRADE (THIS MEASUREMENT IS TAKEN TO THE TOP OF THE CONDUIT FOR DIRECT BURIED AND FROM THE TOP OF THE ENCASEMENT FOR ENCASED BUIRED CONDUIT). TERMINATION POINT TO BE 3' OFF OF SIDE PROPERTY LINE FOR FUTURE CONNECTION TO UNDERGROUND INFRASTRUCTURE. THE ESR IS TO RECORD EXACT TERMINATION POINT ON INSPECTION DOCUMENTS. THERE MAY BE A NEED FOR A (1) 4"P CONDUIT IN LIEU OF 3", PENDING ESR REVIEW AND PRE-CONSTRUCTION MEETING.
3. WHEN INSTALLING CONDUIT, THE CUSTOMER IS ALLOWED 2 90-DEGREE BENDS AND 1-45 DEGREE BEND WITHIN PRIVATE PROPERTY. PLEASE KEEP IN MIND THAT THE SWEEP UP INTO THE BOTTOM OF THE PANEL COUNTS TOWARDS THE BEND ALLOTMENT. WHEN POSSIBLE, THE BEND TO BRING THE CONDUIT PARALLEL TO THE SIDE PL SHOULD BE 22.5-DEGREES TO MINIMIZE TOTAL DEGREES IN BENDS. PLEASE KEEP IN MIND THAT IF A TOTAL OF 225-DEGREES IS EXCEEDED, THE JOB WILL BE FORWARDED TO ENGINEERING FOR DESIGN AS A HANDHOLE STRUCTURE MAY BE NECESSARY TO AVOID CABLE PULLING TENSION CONCERNS.
4. CONDUIT ENCASEMENT TO BE REQUIRED AT ESR DISCRETION. FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADWP UGCS H-168 AS LAST REVISED.
5. NEW SERVICE CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APRON IN THE PUBLIC RIGHT OF WAY UNLESS NO OTHER OPTION IS AVAILABLE. CONDUIT SHALL TERMINATE WHERE IT WILL NOT HIT A TREE, UTILITY METER, STREET LIGHT, OR ANY OTHER OBSTRUCTION IN THE PUBLIC RIGHT OF WAY SHOULD IT CONTINUE TO THE STREET.
6. NEW SERVICE CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
7. NEW SERVICE CONDUIT NOT TO BE INSTALLED WITHIN THE DRIP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
8. NEW SERVICE CONDUIT IS LIMITED TO 120' IN LENGTH. SHOULD A LONGER DISTANCE BE REQUIRED, THE PROJECT WILL REQUIRE ENGINEERING REVIEW AND DESIGN.
9. CUSTOMER TO INSTALL LEAD PLUG IN CURB IN FRONT OF PROPERTY IN LINE WITH TERMINATION POINT AT THE FRONT PROPERTY LINE. PLEASE REFERENCE LADWP UGCS H-168 AS LAST REVISED FOR EXACT DETAILS.
10. NEW FUTURE PUBLIC RIGHT OF WAY CONDUIT NOT TO BE INSTALLED BY CUSTOMER.
11. CONDUIT BETWEEN THE GROUND AND THE BOTTOM OF THE PANEL SHALL BE GALVANIZED RIGID CONDUIT.
12. FOR MORE SPECIFICS ON TRENCH DETAILS AND CONDUIT INSTALLATION PLEASE REFER TO THE ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 6 AND SPECIFICATION 104 AS LAST REVISED.

SWITCHBOARD GUIDELINES

1. SERVICE EQUIPMENT INSTALLED TO BE A COMBINATION PANEL THAT ALLOWS FOR OVERHEAD AND/OR UNDERGROUND CONNECTION. REFERENCE THE ELECTRIC SERVICE REQUIREMENTS SECTION FOR MORE INFORMATION
2. SERVICE PANEL TO BE LOCATED ON PERMANENT LADBS APPROVED STRUCTURE WITH LADDER CLEARANCES NECESSARY TO ACCESS WEATHERHEAD POINT OF CONNECTION. REFER TO THE ELECTRIC SERVICE REQUIREMENTS SECTION 7 FOR CLEARANCE REQUIREMENTS NEEDED FOR OVERHEAD CONNECTION. PLEASE CONSULT THE LADWP ESR.
3. PROVIDE WORKSPACE CLEARANCE PER LADWP ELECTRICAL SERVICE REQUIREMENTS SECTION 5.
4. CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRCUTION MEETING WITH LADWP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS. PLEASE CONSULT THE LADWP ESR.

SERVICE CENTER JOB LOCATION: WLA	SERVICE CENTER CONSTRUCTION: WLA	WR #: 2973877	CONST #: LCQ03	PROJECT #: P333651	NON-CONST #: LCQ02

CITY OF LOS ANGELES
DEPARTMENT OF
WATER AND POWER
POWER SYSTEM ENGINEERING

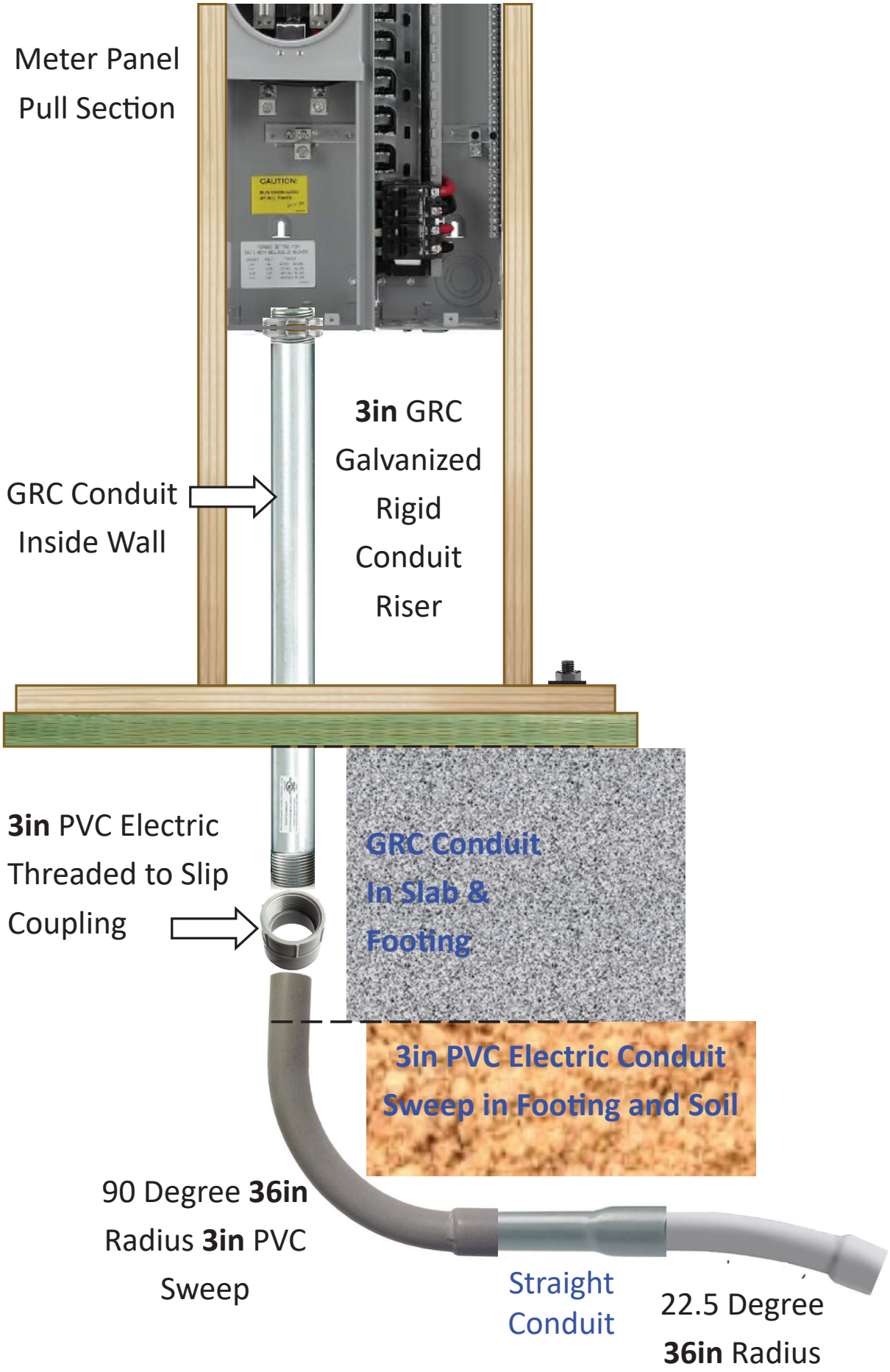
DESIGN	J. HARMS	PHONE	(213) 367-2069
OK	DAR	DRAFTING	J. HARMS
APPROVED	Daniel Rostom	DATE	08/21/25

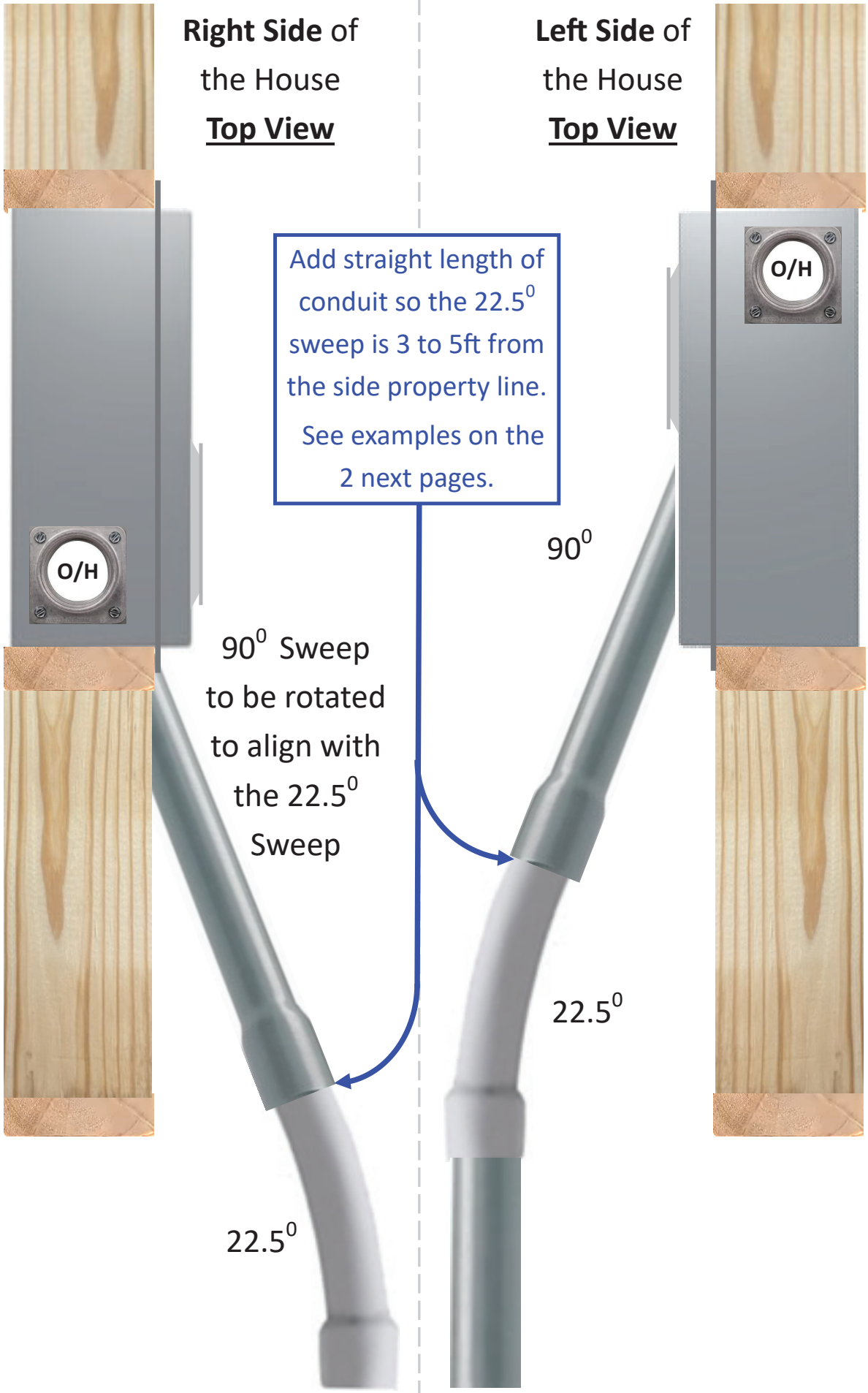
PACIFIC PALISADES REBUILD
GUIDELINES FOR FUTURE
UNDERGROUND CONDUIT ON
OVERHEAD SERVICES 400A & BELOW

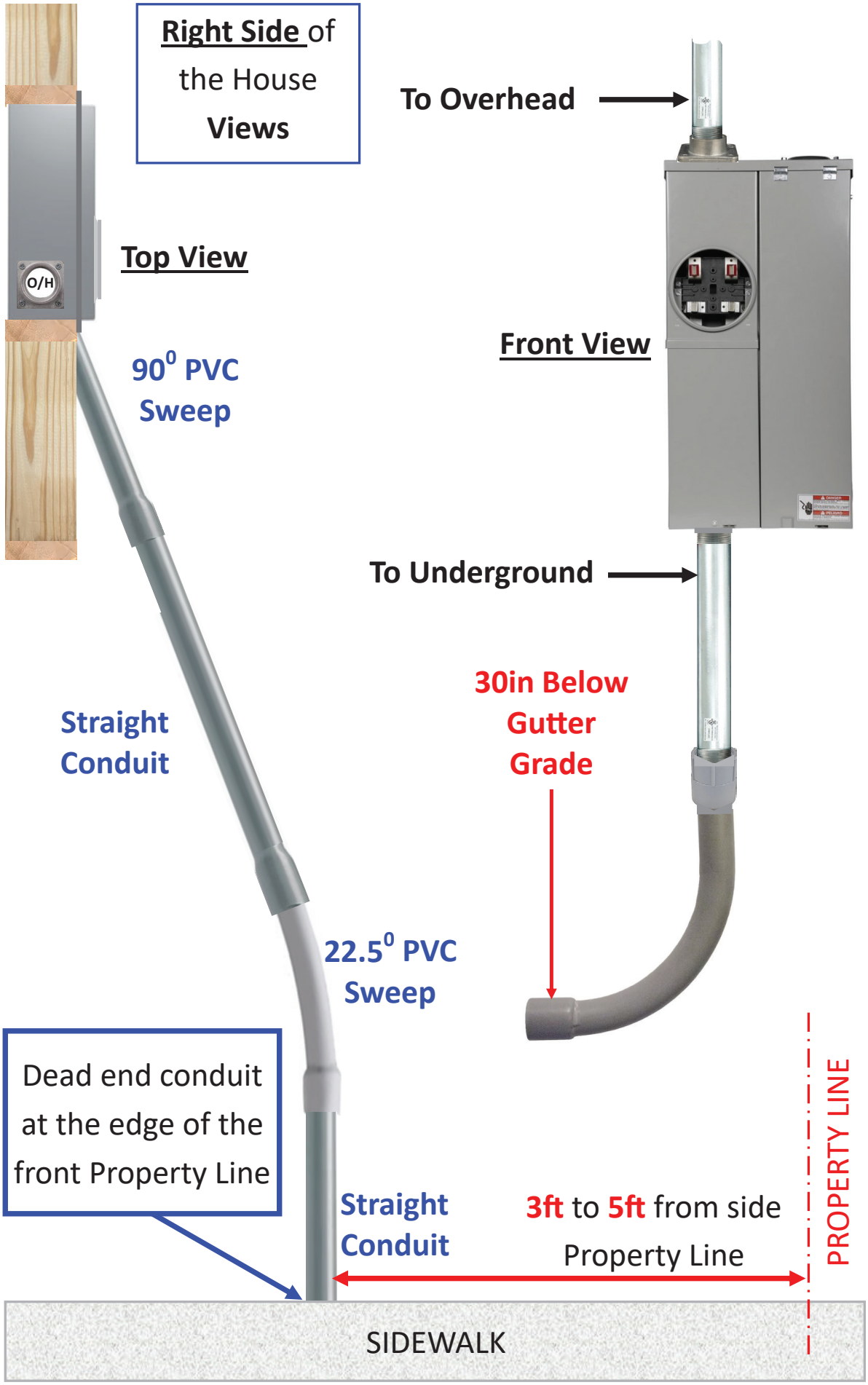
25E5128 | SHEET 1 OF 1

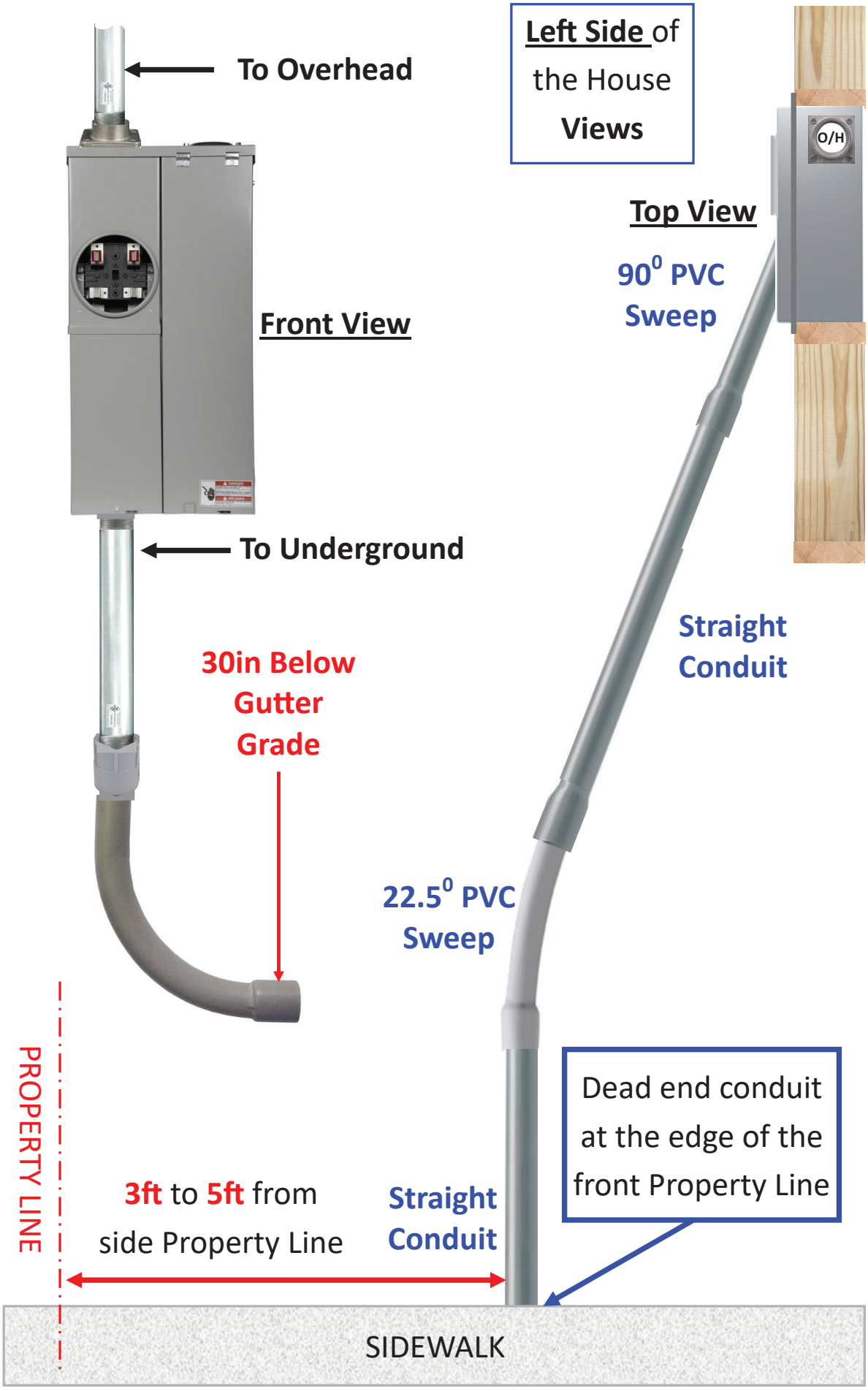
Los Angeles LA DWP Department of Water & Power

GRC Riser to PVC Sweep and 22 Degree Bend Conduit


Meter Panel
Pull Section
GRC Conduit
Inside Wall
3in GRC
Galvanized
Rigid
Conduit
Riser
3in PVC Electric
Threaded to Slip
Coupling
GRC Conduit
In Slab &
Footing
3in PVC Electric Conduit
Sweep in Footing and Soil
90 Degree **36in**
Radius **3in** PVC
Sweep
Straight
Conduit
22.5 Degree
36in Radius


Right Side of the House
Top View
Left Side of the House
Top View
Add straight length of conduit so the 22.5⁰ sweep is 3 to 5ft from the side property line.
See examples on the 2 next pages.
O/H
O/H
90⁰
90⁰ Sweep to be rotated to align with the 22.5⁰ Sweep
22.5⁰
22.5⁰


Right Side of the House Views
To Overhead
Top View
O/H
Front View
90⁰ PVC Sweep
To Underground
30in Below Gutter Grade
Straight Conduit
22.5⁰ PVC Sweep
Dead end conduit at the edge of the front Property Line
Straight Conduit
3ft to 5ft from side Property Line
PROPERTY LINE
SIDEWALK


To Overhead
Front View
To Underground
30in Below
Gutter
Grade
Left Side of
the House
Views
Top View
90⁰ PVC
Sweep
O/H
Straight
Conduit
22.5⁰ PVC
Sweep
PROPERTY LINE
3ft to 5ft from
side Property Line
Straight
Conduit
Dead end conduit
at the edge of the
front Property Line
SIDEWALK

Los Angeles LA DWP Department of Water & Power

Overhead (OH) and Underground (UG) Meter Panel Options 125A to Class 320

Overhead & Underground Meter Panel

Hub for Overhead

Ring Type Meter Socket

Concentric knockouts for underground (UG)

Overhead & Underground Meter Panel

125 Amp 8-Space 8-Circuit Ring-Type Overhead/Underground

200 Amp 20-Space 40-Circuit Overhead/Underground Surface Meter Combo Load Center

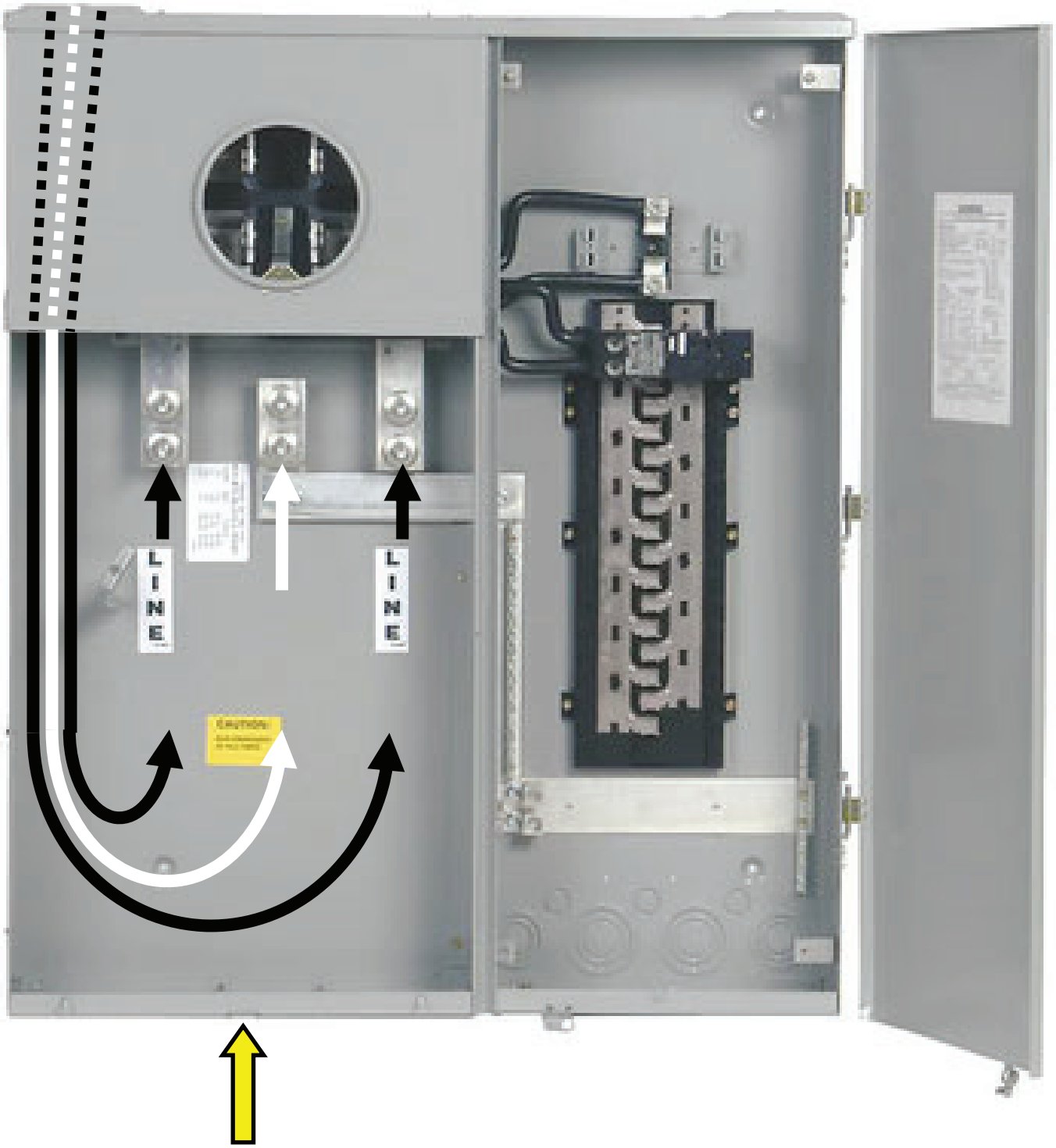
200 Amp 40-Space 40-Circuit

- Side-by-side construction; Surface mount, EUSERC Compliant Ring Type Meter Socket
- For Overhead or Underground feed applications

Hub for OH

Class 320 Residential Panel

400 -Amp 30 -Spaces 42 -Circuit meter combo Load Center

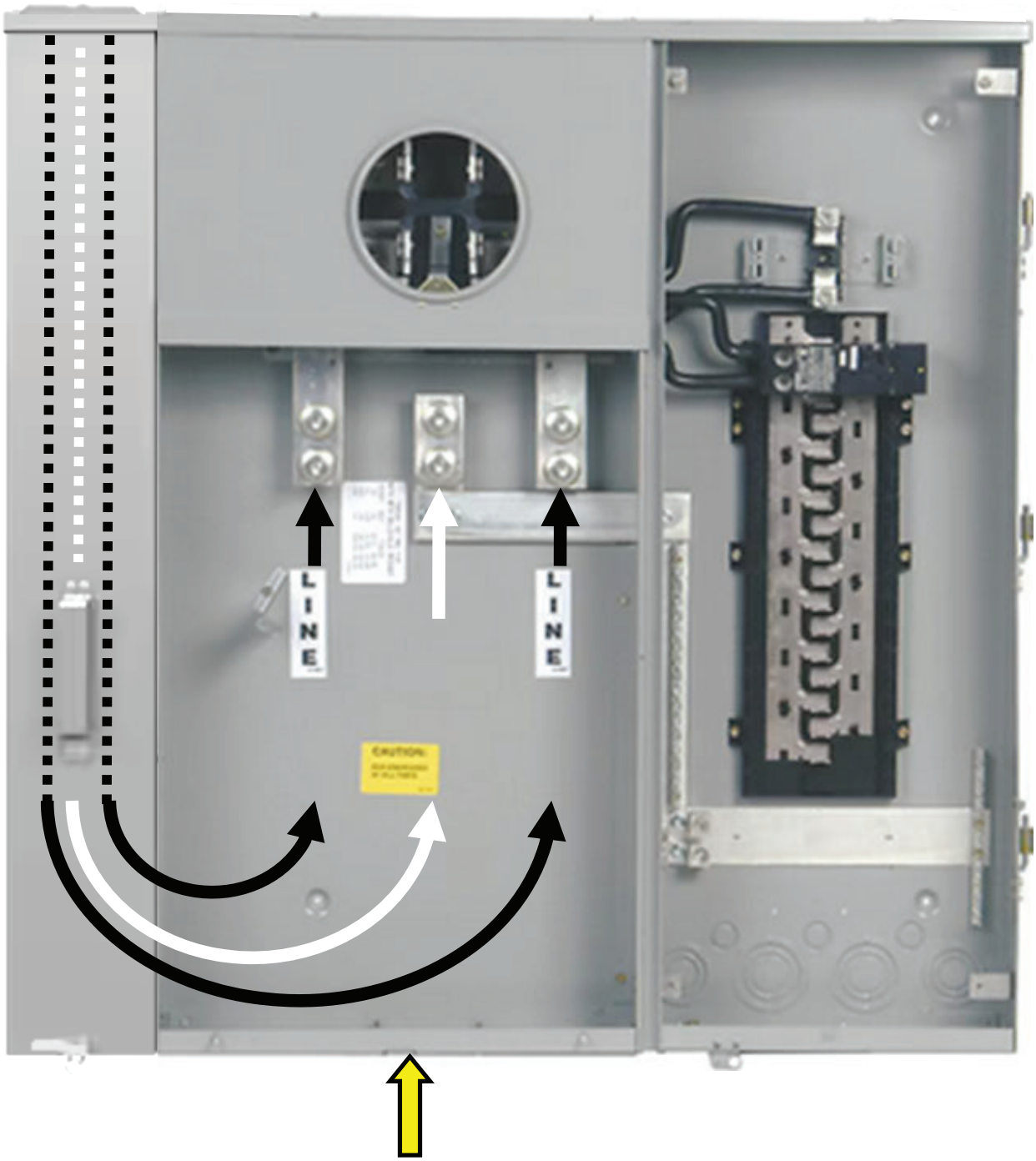


Concentric knockouts for underground (UG)

Bolt on
OH Kit

Class 320 Residential Panel

400 -Amp 30 -Spaces 42 -Circuit meter combo Load Center

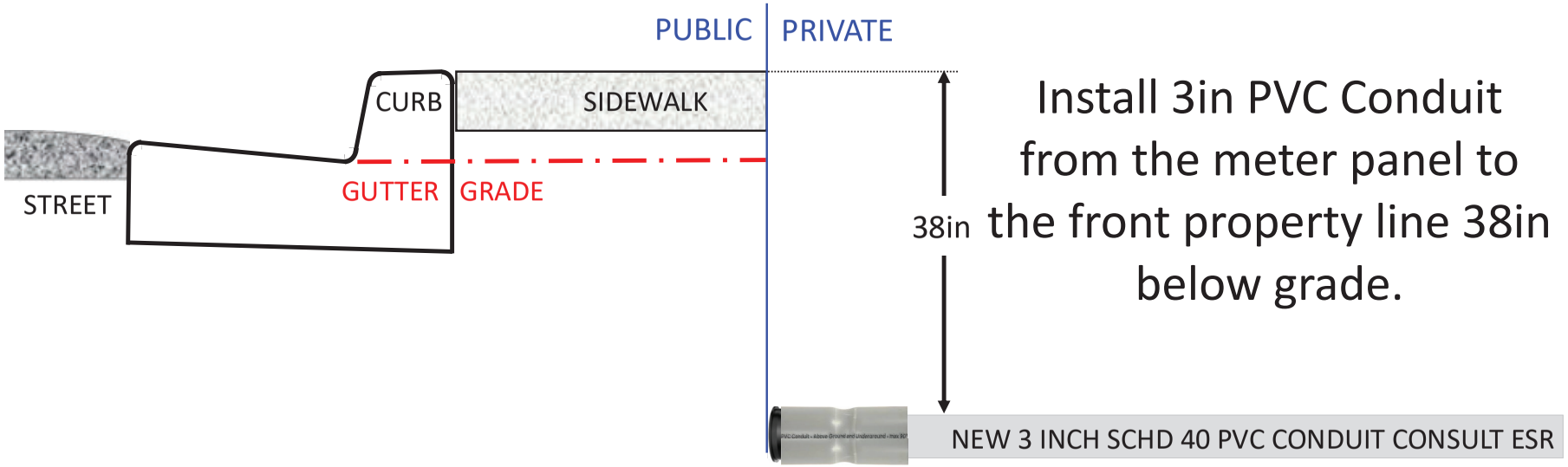


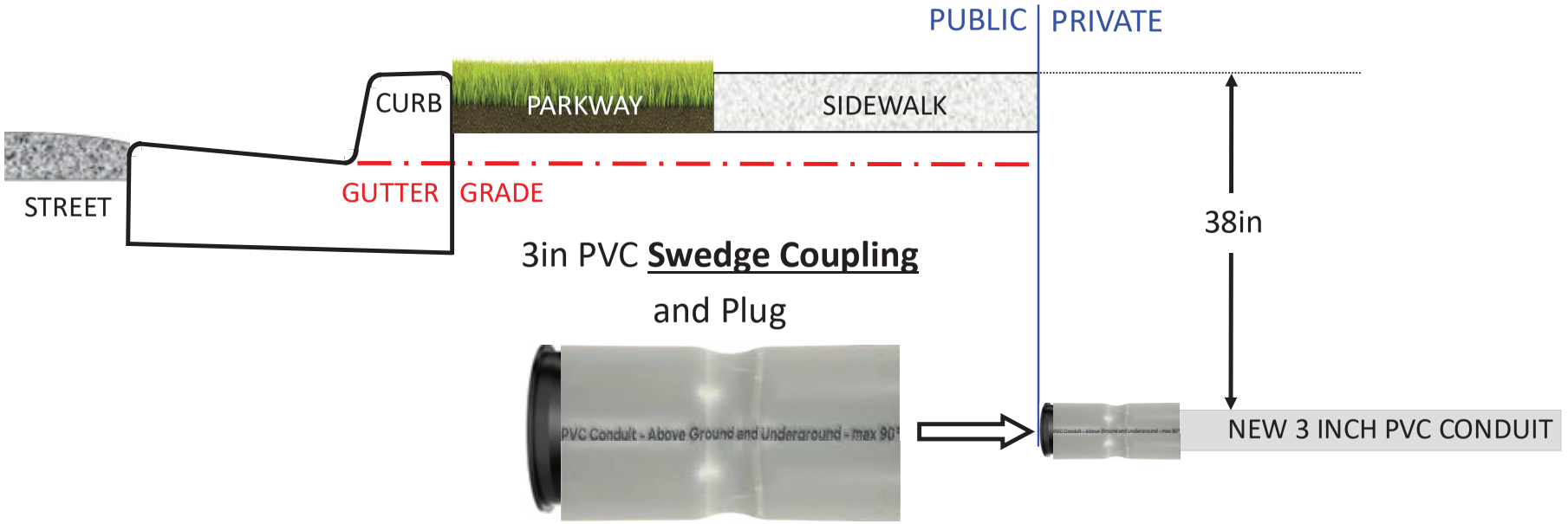
Concentric knockouts
for underground (UG)

Los Angeles LA DWP Department of Water & Power

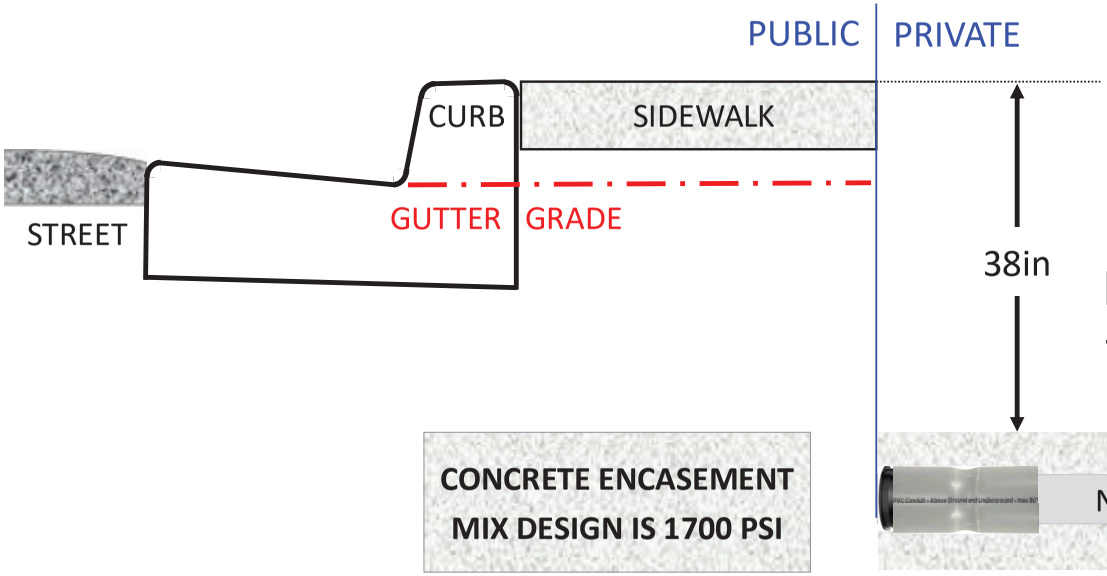
Conduit Depth at Gutter Grade DB SCH 40 and EB Conduit Primer Flat Line Duct Plug

Future Underground Conduit Installed to the Public Property Line

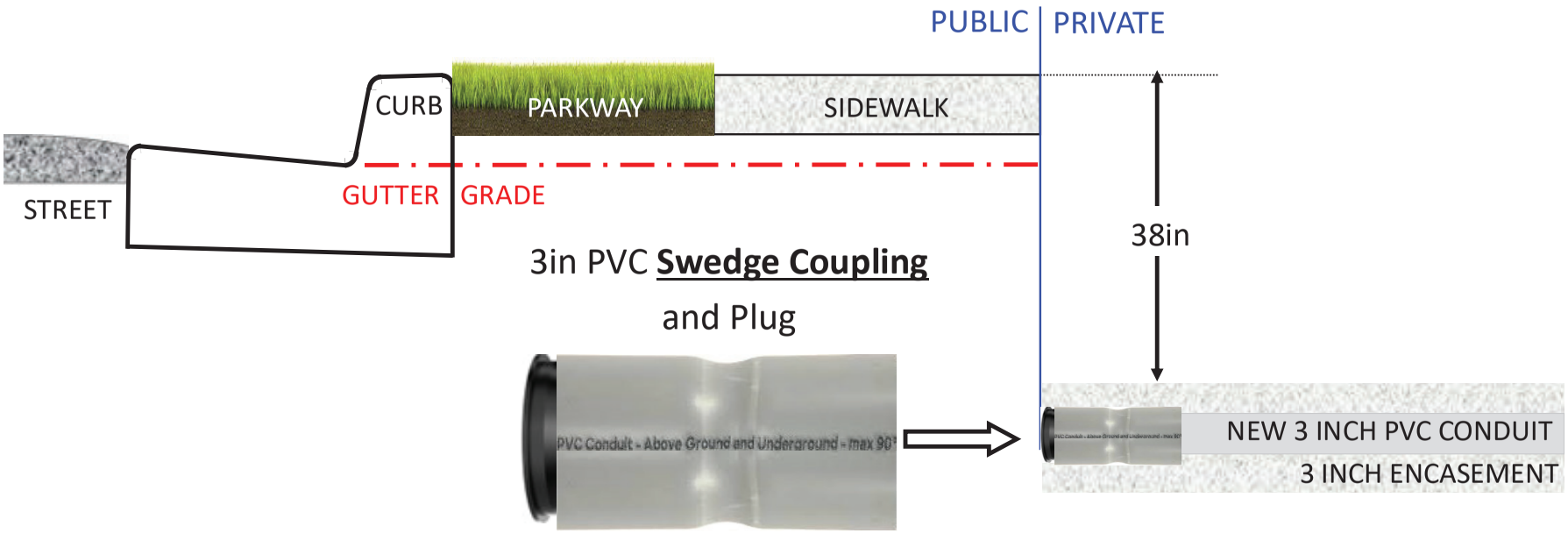




Future Underground Conduit Installed to the Public Property Line



When Specified by LADWP to Install 3” Conduit & Concrete Encasement from the meter panel to the front property line. Top of the Encasement must be



Full Scale 3 inch PVC Swedge Coupling

LADWP does not endorse any specific suppliers. The following sell Swedge Couplings:

Cantex, Carlon, Crescent Electric, Elliott Electric, Gordon Electric, JM Eagle, Platt, Thomas & Betts

LADWP Required PVC Clear Glue & Purple Primer Examples

LADWP Conduit Pull Tape Requirements

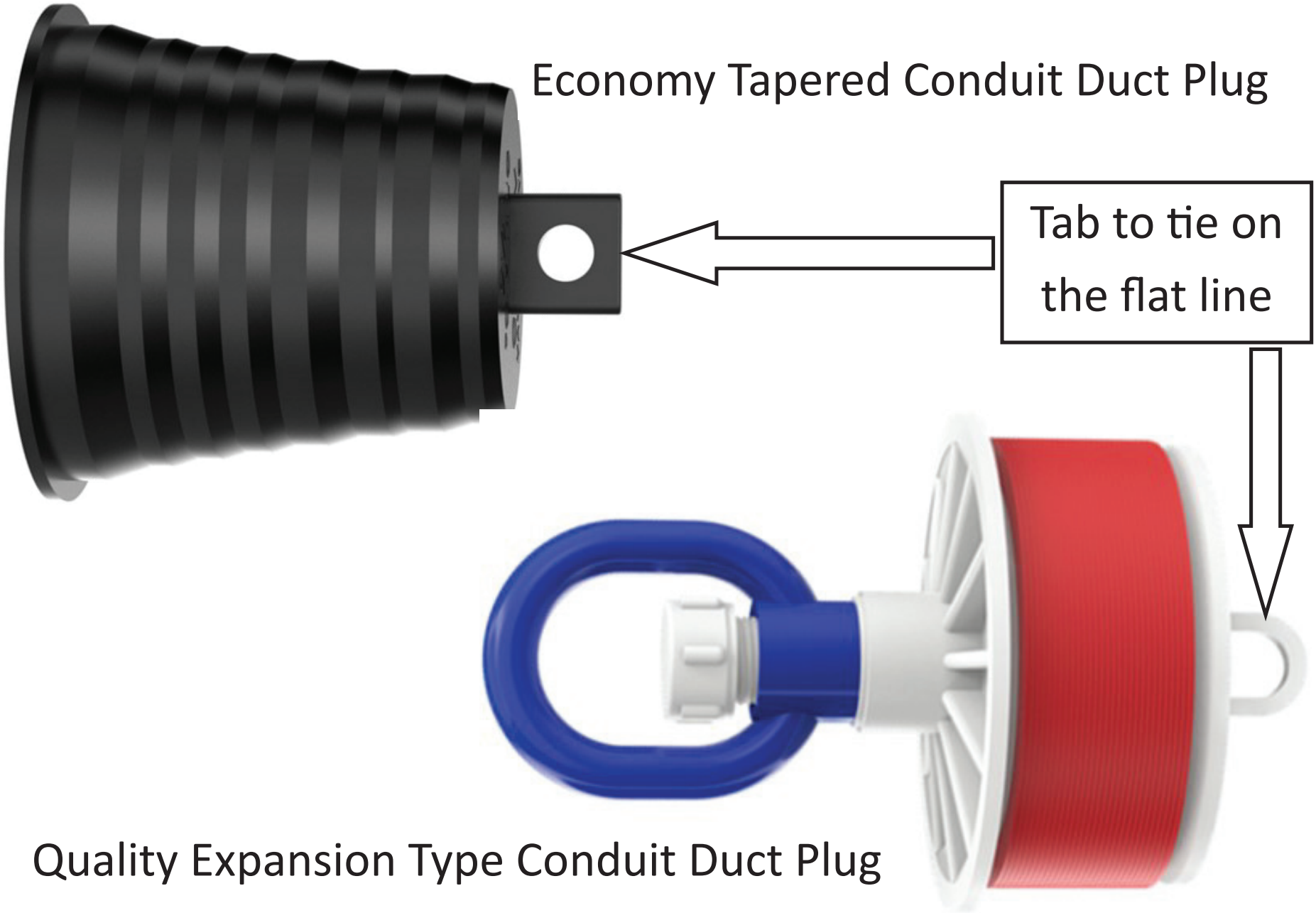
21. **Pulling Tape General Condition:**

21(a). Install flat, woven multi-fiber polyester ribbon, minimum 3/8-inch nominal width and 1250-pound minimum tensile strength pulling tape in all ducts. The pulling tape shall be printed with the rated tensile strength and sequential footage markings with legible and stable print (no rub off). Fasten each tape to plugs on each end with 5'-0" minimum slack.

Typically called:

- Pull Tape
- Mule Tape
- Flat line

4 inch Conduit Duct Plugs used for Sealing a Conduit Dead End



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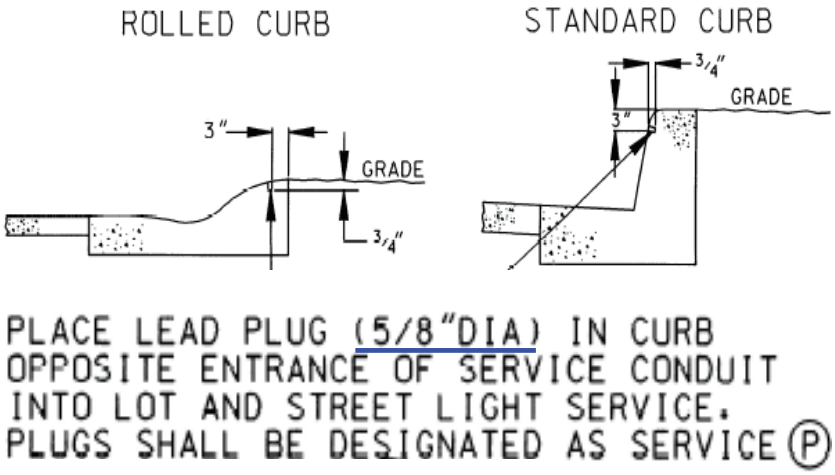
Lead Plug Instructions

LADWP Lead Plug For Service Conduit Dead End Location (H-168)

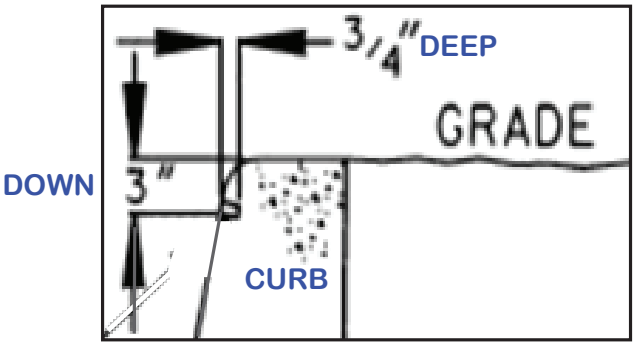


PLACE LEAD PLUG (5/8"DIA) IN CURB OPPOSITE ENTRANCE OF SERVICE CONDUIT INTO LOT AND STREET LIGHT SERVICE. PLUGS SHALL BE DESIGNATED AS SERVICE (P)

Drill a **5/8" diameter** hole in the curb face.

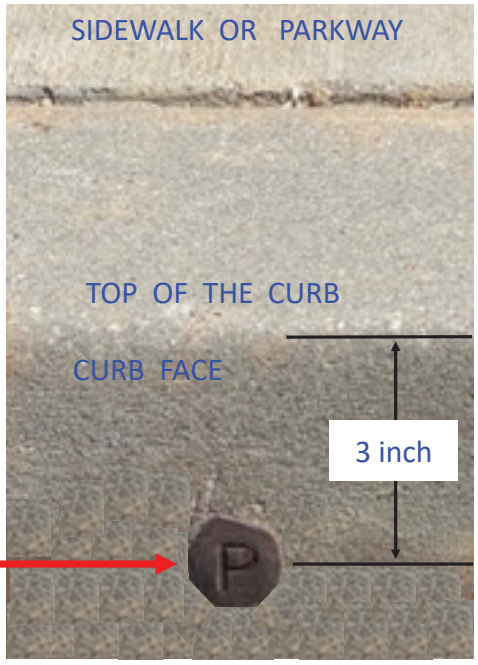
It needs to be **3" down** from the top of the curb.

The hole needs to be **3/4" deep**.



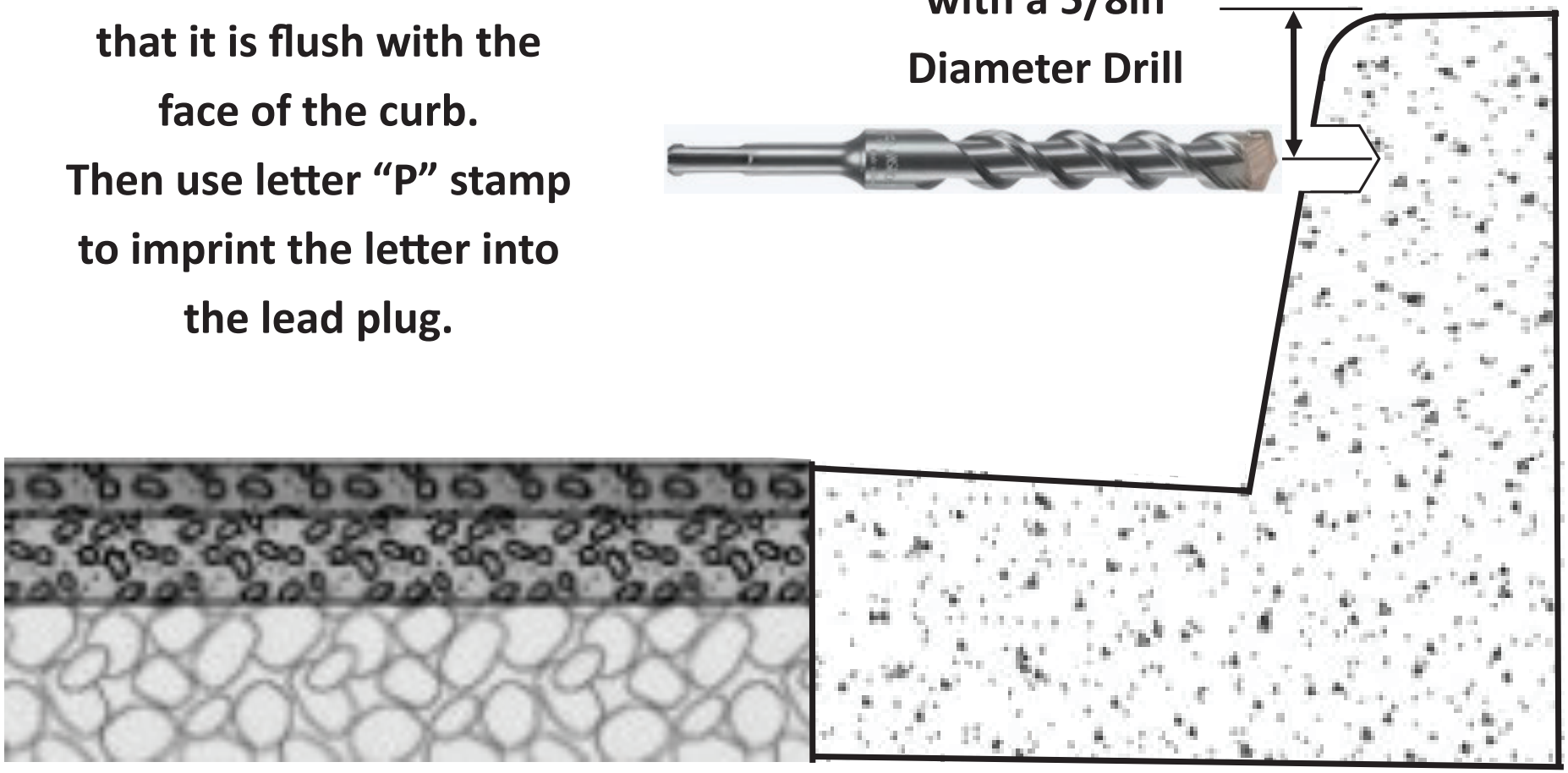
Lead Fishing Weights can be used to create the Lead Plug for the curb face and installed into the 5/8" dia. hole Approximately $5.00

Capital Letter "P" Hand Tool Stamp 1/2 inch tall letter Approx. $12.00



Use a flat face hammer to compress lead material into the drilled hole so that it is flush with the face of the curb.
Then use letter “P” stamp to imprint the letter into the lead plug.

Drill a 3/4in Deep hole with a 5/8in Diameter Drill

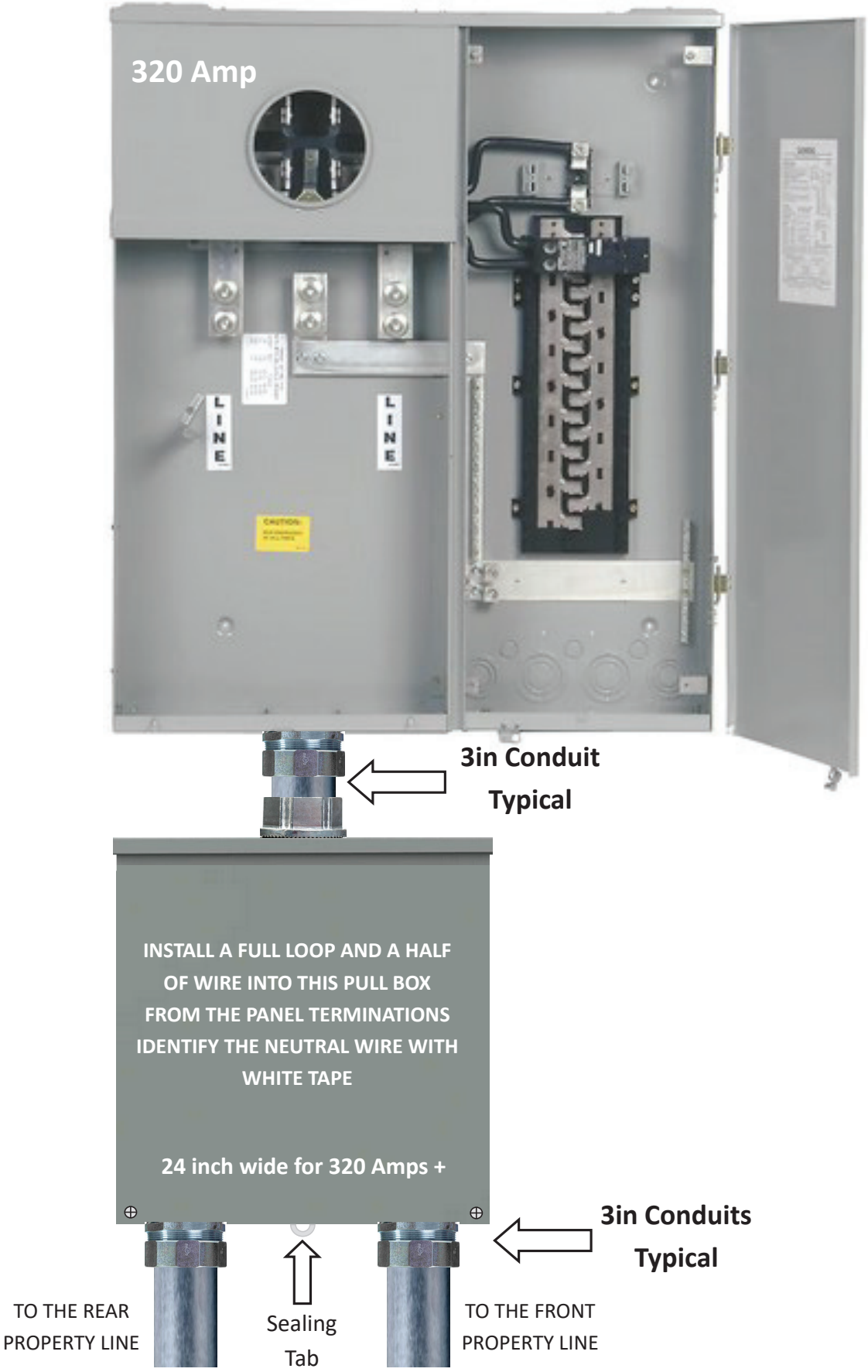


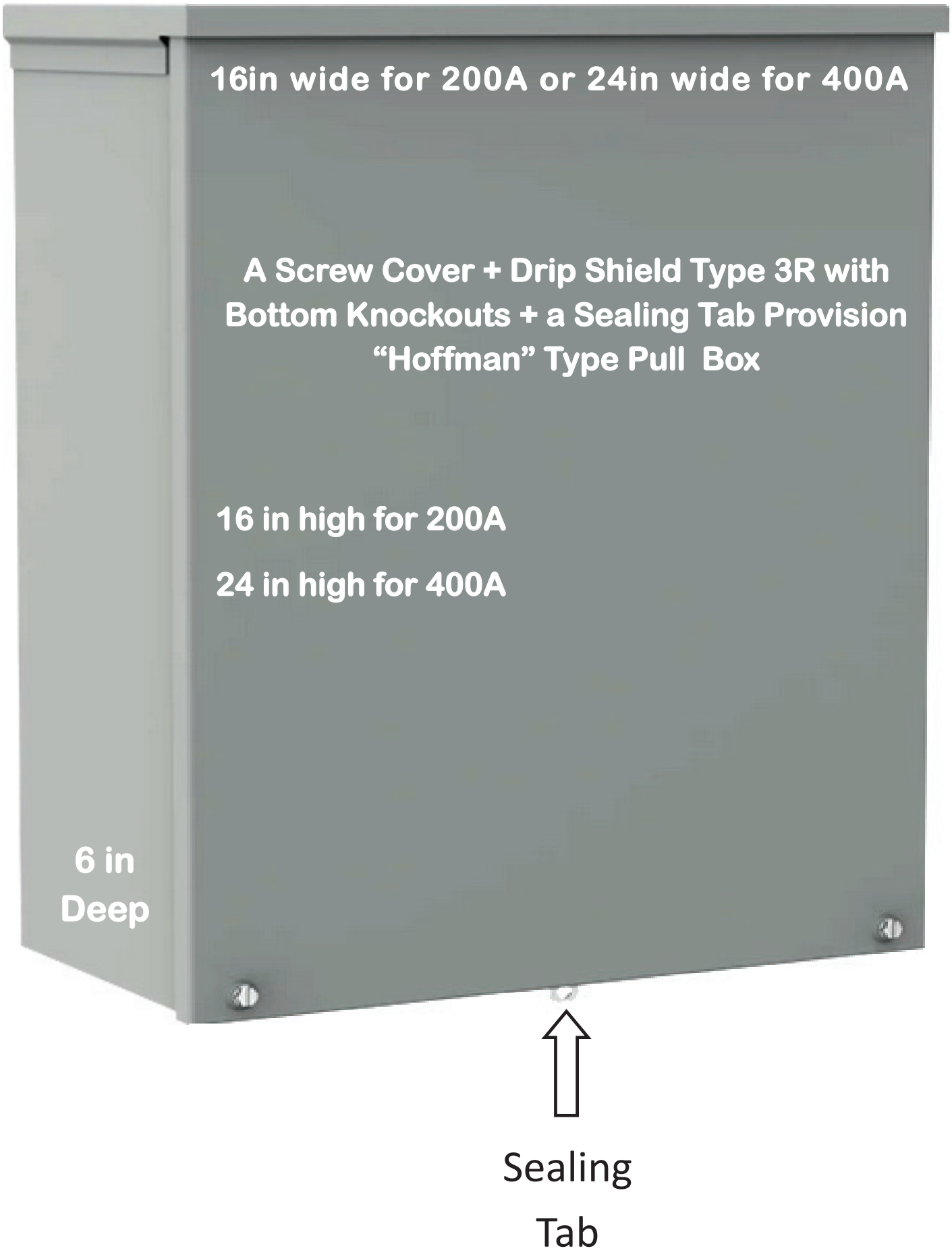
Los Angeles LA DWP Department of Water & Power

Rear Property Line Conduit to Future Front Property Line Conduit Pull Box

Rear Property Line Conduit to Front Line Property Conduit

Rear Property Line Conduit to Front Line Property Conduit




16in wide for 200A or 24in wide for 400A
A Screw Cover + Drip Shield Type 3R with Bottom Knockouts + a Sealing Tab Provision
“Hoffman” Type Pull Box
16 in high for 200A
24 in high for 400A
6 in Deep
Sealing Tab