

THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY. NOT FOR CONSTRUCTION

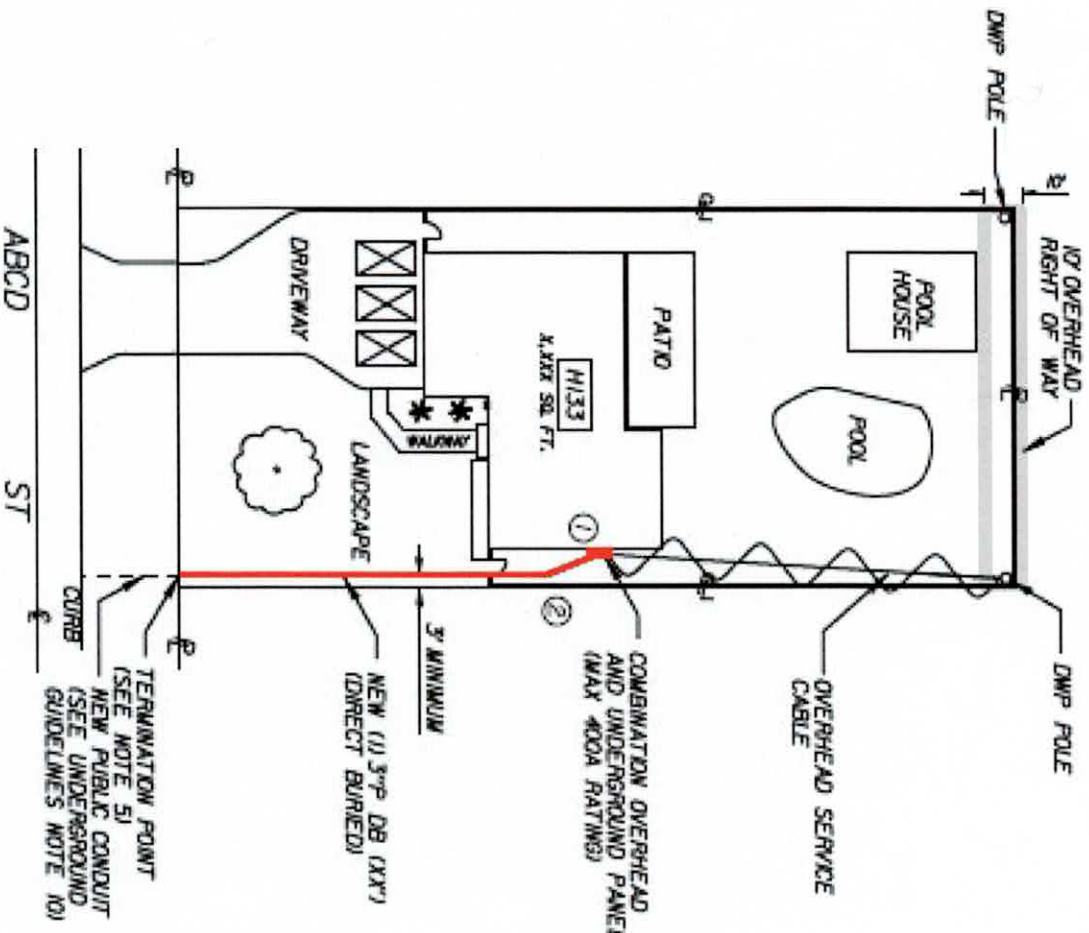


EXHIBIT 1

CONDUIT INSTALLATION WITH LOAD-
BEARING POLE LINE ALONG REAR OF PROPERTY

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 LOADS 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-CONSTRUCTION MEETING WITH LADWP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS. PLEASE CONSULT THE LADWP ESR.

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

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

DWP POLES
IN PUBLIC
RIGHT OF WAY

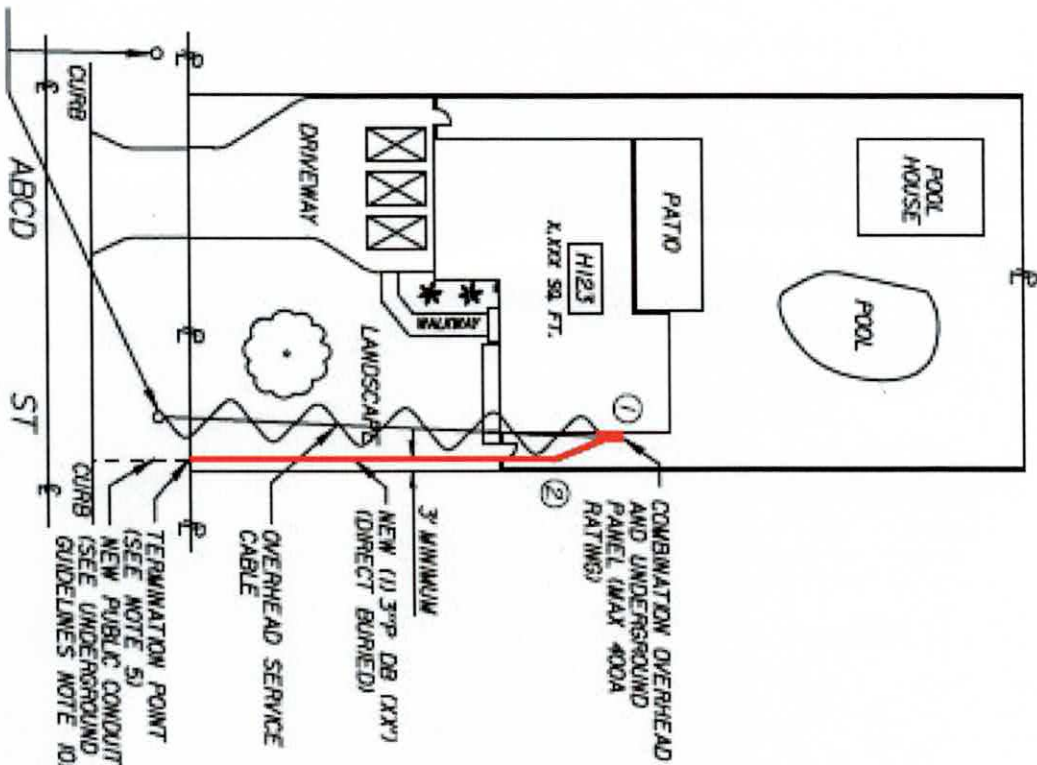


EXHIBIT 2

CONDUIT INSTALLATION WITH LOAD-
BEARING POLE LINE ALONG FRONT OF PROPERTY

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

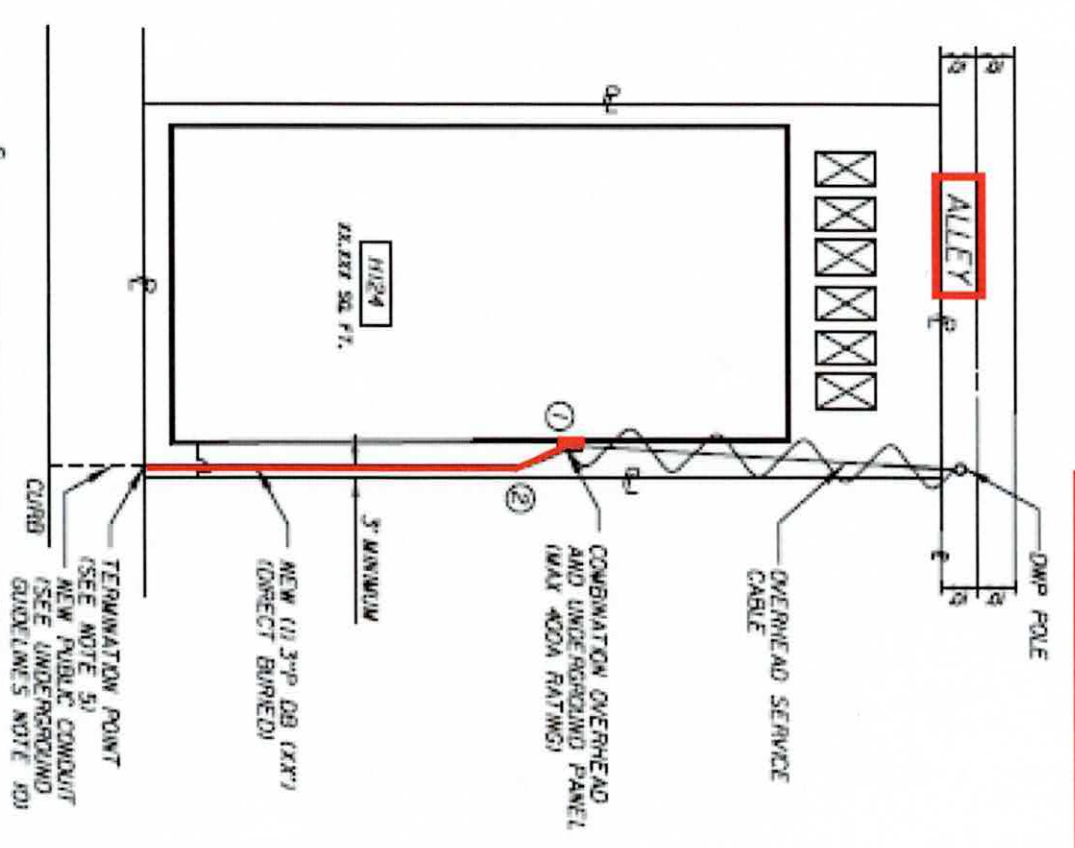
NEW SERVICE CONDUIT MUST
BE INSPECTED BY ESR BEFORE TRENCH
IS BACKFILLED

UNDERGROUND GUIDELINES

1. NEW SERVICE CONDUIT TO MAINTAIN 3" 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) 3/4" 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 BURIED 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" 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 BEND 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 DRAIN LINE OF TREES. NEW CONDUIT TO MAINTAIN 10" CLEARANCE FROM ALL TREE TRUNKS.
8. NEW SERVICE CONDUIT IS LIMITED TO 180' 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.

SERVICE CENTER JOB LOCATION		WLA	SERVICE CENTER CONSTRUCTION	WLA	NR **	2913877	CONST *	LC003	PROJECT *	P333651	NON-CONST *	LC002
CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER POWER SYSTEM ENGINEERING												
DESIGN	J. HARRIS	PHONE	(213) 367-2069	DRAWING	J. HARRIS	DATE	08/21/25	PACIFIC PALISADES REBUILD GUIDELINES FOR FUTURE UNDERGROUND CONDUIT ON OVERHEAD SERVICES 400A & BELOW				
OK	DAE	APPROVED	Daniel Redfern	25E5128								
								SHEET 1 OF 1				

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

SWITCHBOARD GUIDELINES

- 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.
- SERVICE PANEL TO BE LOCATED ON PERMANENT LOADS APPROVED STRUCTURE WITH LAJERR 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.
- PROVIDE WORKSPACE CLEARANCE PER LADWP ELECTRICAL SERVICE REQUIREMENTS SECTION 5.
- CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRUCTION 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

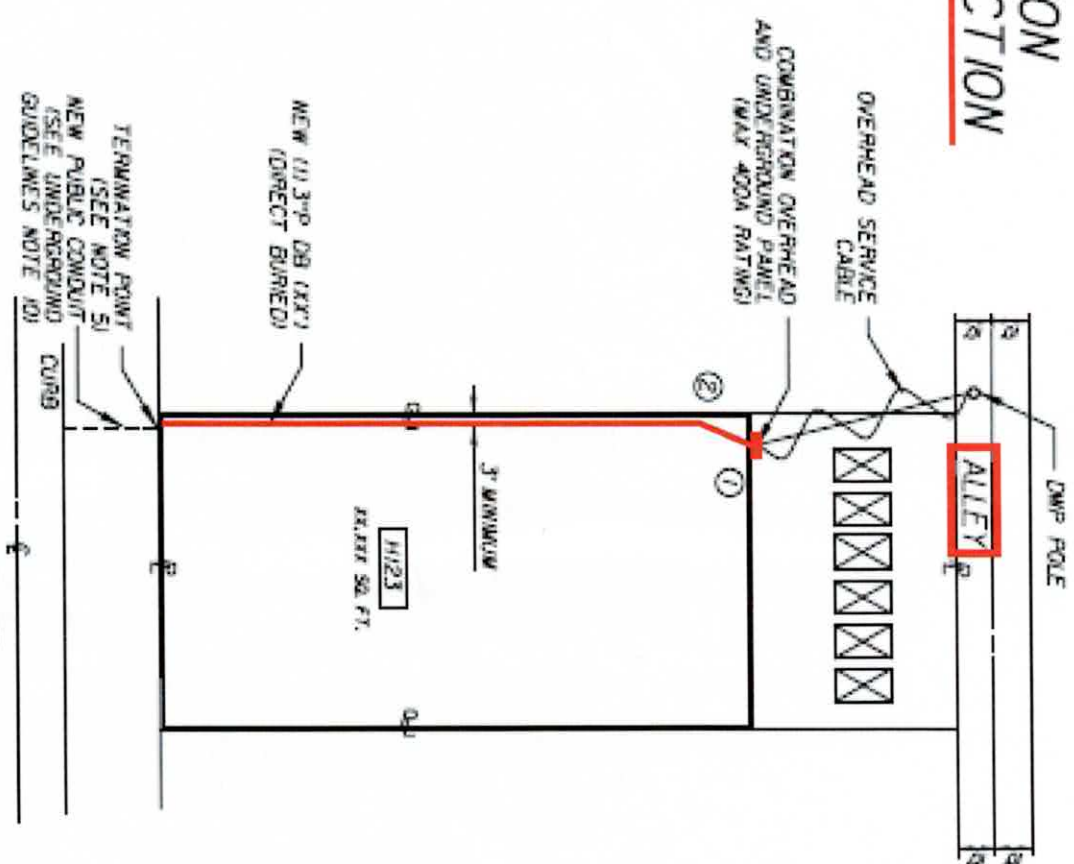


EXHIBIT 2
CONDUIT INSTALLATION UNDER BUILDING WITH LADWP POLE LINE ALONG REAR OF PROPERTY (ALL PROPERTIES) SEE NOTE 13

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRUCTION MEETING BEFORE CONDUIT IS INSTALLED
NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

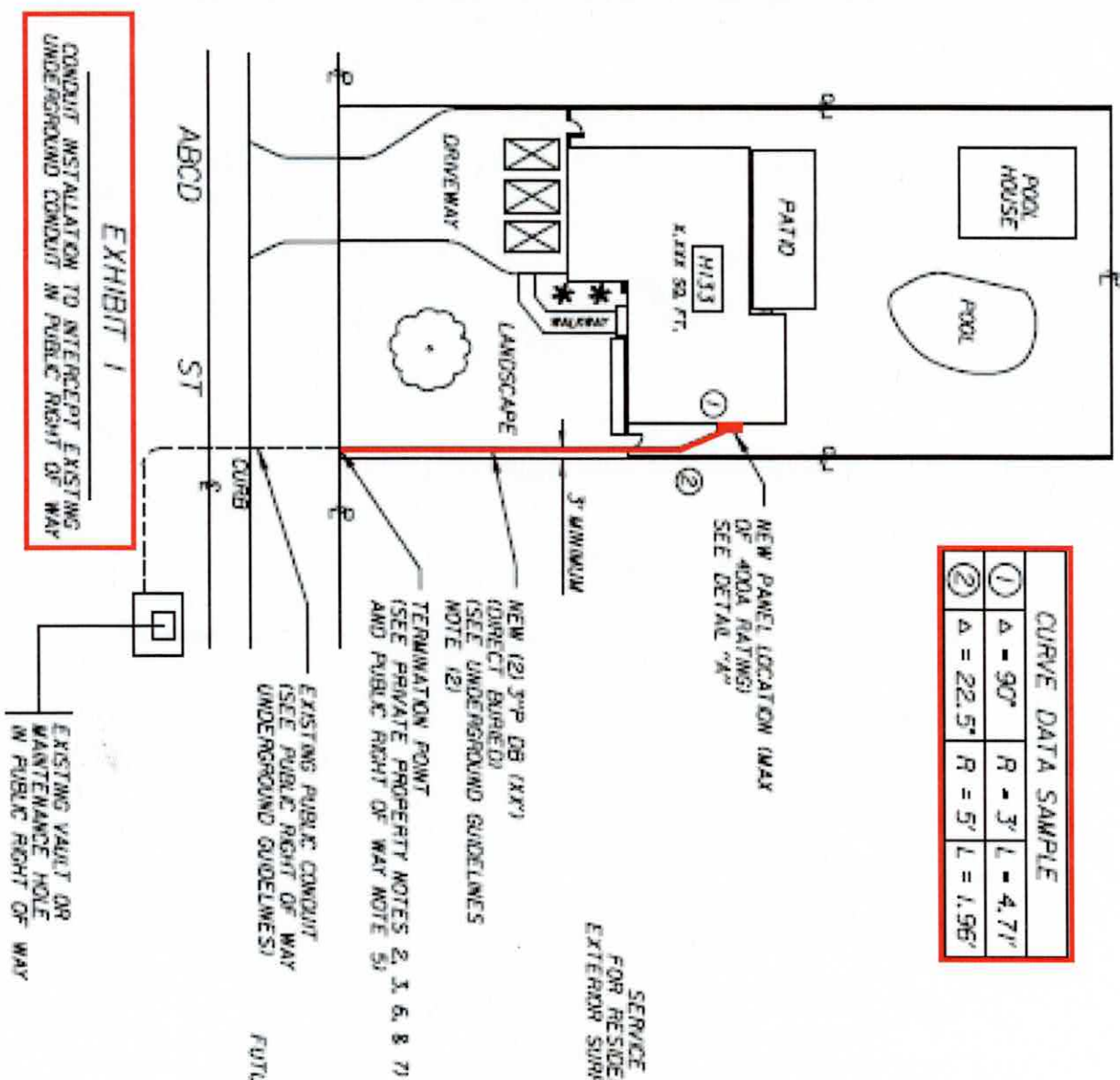
UNDERGROUND GUIDELINES

- 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.
- ALL CONDUIT TO BE INSTALLED WILL BE 11 3/4\"/>
- 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 ALLOWMENT. 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.
- CONDUIT ENCASUREMENT TO BE REQUIRED AT ESR DISCRETION FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADWP UCCS H-108 AS LAST REVISED.
- NEW SERVICE CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APPROX 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.
- NEW SERVICE CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
- NEW SERVICE CONDUIT NOT TO BE INSTALLED WITHIN THE DWP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
- NEW SERVICE CONDUIT IS LIMITED TO 120' IN LENGTH. SHOULD A LONGER DISTANCE BE REQUIRED, THE PROJECT WILL REQUIRE ENGINEERING REVIEW AND DESIGN.
- CUSTOMER TO INSTALL LEAD PLUG IN CURB IN FRONT OF PROPERTY IN LINE WITH TERMINATION POINT AT THE FRONT PROPERTY LINE. PLEASE REFERENCE LADWP UCCS H-108 AS LAST REVISED FOR EXACT DETAILS.
- NEW FUTURE PUBLIC RIGHT OF WAY CONDUIT NOT TO BE INSTALLED BY CUSTOMER.
- CONDUIT BETWEEN THE GROUND AND THE BOTTOM OF THE PANEL SHALL BE GALVANIZED RIGID CONDUIT.
- 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 PROVIDE STRUCTURAL DRAWINGS STAMPED AND SIGNED BY A REGISTERED STRUCTURAL ENGINEER DETAILING TEEH ENCASED GALVANIZED CONDUIT RUN EXPOSED ON THE GARAGE WALL OR CEILING IN COMPLIANCE WITH LADWP ELECTRICAL SERVICE REQUIREMENTS PAGE 6-7 SECTION N. DRAWINGS SHALL BE SUBMITTED PRIOR TO START OF CONSTRUCTION

SERVICE CENTER JOB LOCATION		SERVICE CENTER CONSTRUCTION		MT #	CONST #	PROJECT #	NON-CONST #
CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER POWER SYSTEM ENGINEERING							
DESIGN J. HARMS	PHONE (213) 367-2069	PACIFIC PALISADES REBUILD GUIDELINES FOR FUTURE UNDERGROUND CONDUIT ON OVERHEAD SERVICES 400A & BELOW					
CHK J. HARMS	DRAFTING J. HARMS						
APPROVED	DATE 08/21/25	SHEET 1 OF 1					

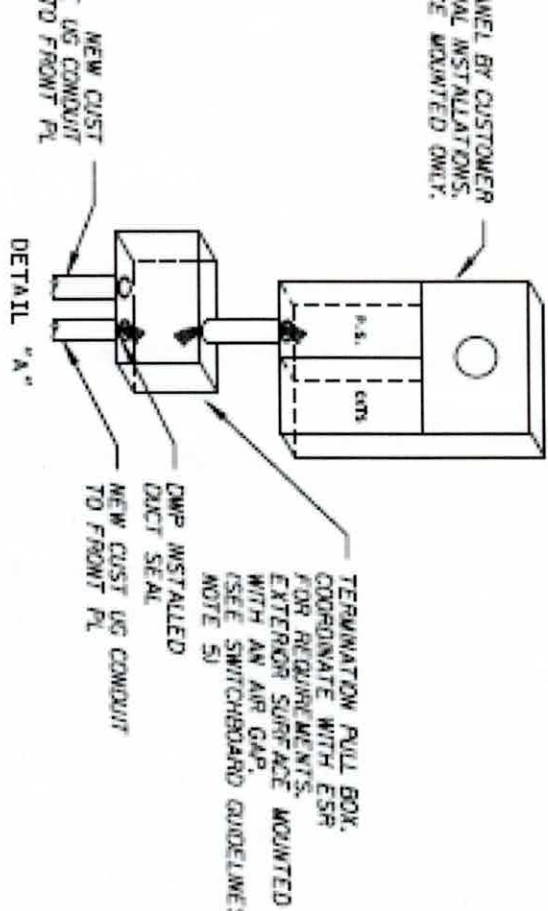
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CURVE DATA SAMPLE			
①	$\Delta = 90^\circ$	$R = 3'$	$L = 4.71'$
②	$\Delta = 22.5^\circ$	$R = 5'$	$L = 1.96'$



- SWITCHBOARD GUIDELINES
- SERVICE EQUIPMENT INSTALLED TO BE A COMBINATION PANEL THAT ALLOWS FOR DUAL UNDERGROUND CONNECTION, REFERENCE DETAIL "A" AND THE ELECTRICAL SERVICE REQUIREMENTS SECTION FOR MORE INFORMATION
 - SERVICE PANEL TO BE LOCATED ON PERMANENT LADDS APPROVED STRUCTURE. COORDINATE WITH ESR FOR CLEARANCE REQUIREMENTS.
 - PROVIDE WORKSPACE CLEARANCE PER LADDP ELECTRICAL SERVICE REQUIREMENTS.
 - CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRUCTION MEETING WITH LADDP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS.
 - REFERENCE LADDP ELECTRICAL SERVICE REQUIREMENTS MANUAL PAGE 2-15 FOR PULL BOX DIMENSIONS

- UNDERGROUND GUIDELINES (PUBLIC RIGHT OF WAY)
- 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, PROPERTY SIZED CONDUIT TO THE PROPERTY.
 - CUSTOMER TO HAVE OPTION TO REQUEST FIBER CONDUIT (3" AND LARGER) TO BE MANHOLED BY LADDP 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.
 - 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.
 - 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.
 - CUSTOMER TO NOT CONNECT NEW CONDUIT TO EXISTING CONDUIT AT THE PL UNLESS GIVEN EXPRESS PERMISSION BY THE ESR.



PLEASE BE ADVISED, A 2'x3' HANDHOLE MAY BE REQUIRED PER THE DISCRETION OF THE ESR WITH ASSISTANCE FROM NEW BUSINESS ENGINEERING

CUSTOMER TO REQUEST METER SPOT AND PRE-CONSTRUCTION MEETING BEFORE CONDUIT IS INSTALLED
NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

UNDERGROUND GUIDELINES (PRIVATE PROPERTY)

- 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.
- ALL CONDUIT TO BE INSTALLED WILL BE (2) 3" 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 BURIED 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" CONDUIT IN LIEU OF 3", PENDING ESR REVIEW AND PRE-CONSTRUCTION MEETING.
- 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.
- 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 ALLOWMENT. 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.
- CONDUIT ENCASEMENT TO BE REQUIRED AT ESR DISCRETION. FOR CROSS-SECTIONAL DETAILS FOR EB AND DB TRENCHES REFERENCE LADDP UCCS H-608 AS LAST REVISED.
- NEW SERVICE CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY APPOIN 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.
- NEW SERVICE CONDUIT TO TERMINATE PERPENDICULAR TO THE FRONT PROPERTY LINE.
- NEW SERVICE CONDUIT NOT TO BE INSTALLED WITHIN THE DRIP LINE OF TREES. NEW CONDUIT TO MAINTAIN 10' CLEARANCE FROM ALL TREE TRUNKS.
- 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.
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- FOR MORE SPECIFICS ON TRENCH DETAILS AND CONDUIT INSTALLATION PLEASE REFER TO THE ELECTRICAL SERVICE REQUIREMENTS MANUAL SECTION 6 AND SPECIFICATION 104 AS LAST REVISED.

DESIGN	J. HARNIS	PHONE	(213) 267-2069	DATE	08/21/25
APPROVED					

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

SRVCE CENTER
JOB LOCATION

SRVCE CENTER
JOB BSR

MR # 2886768

CONGT # AGL 19

PROJECT #

NON-CONST #

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

2886768

SHEET 1 OF 1

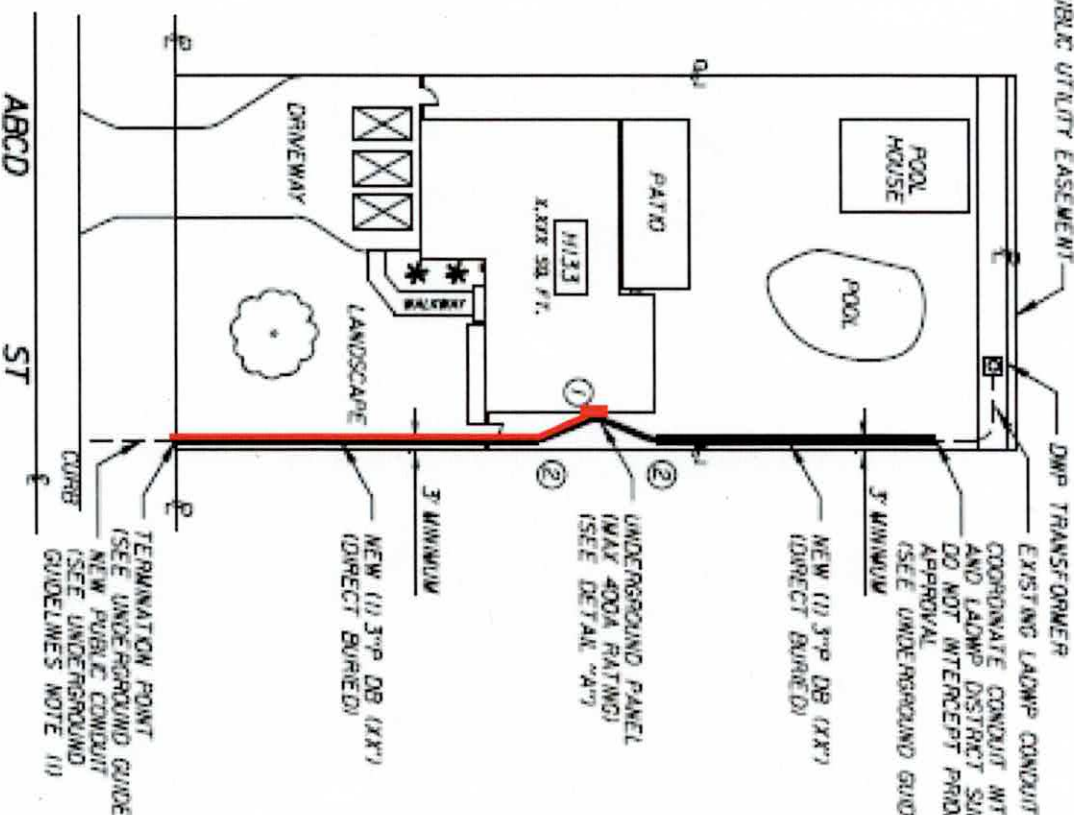
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PROPERTY AND EASEMENT LINES

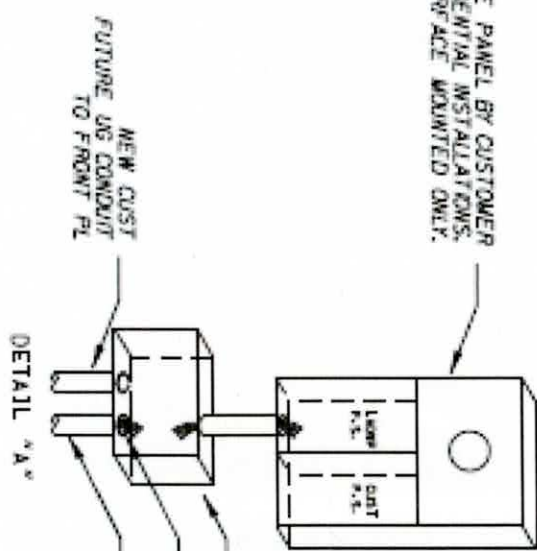
1. CUSTOMER IS NOT ALLOWED TO BUILD WITHIN LADWP PUBLIC UTILITY EASEMENT.
2. PROPERTY AND EASEMENT LINES ARE TO BE LOCATED BY THE CUSTOMER'S SURVEYOR.
3. THE CUSTOMER'S SURVEYOR SHALL ENSURE FIELD SURVEY MARKS ARE VISIBLE FOR THE LADWP ESR INSPECTION.

UNDERGROUND GUIDELINES

1. CUSTOMER TO COORDINATE WITH THE ESR AT 213-367-6247 AND WLA SUPERINTENDENT WALTER TAKAMURA 310-524-8436 PRIOR TO CONDUIT INTERCEPT.
2. 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.
3. ALL CONDUIT TO BE INSTALLED WILL BE (1) 3"PP 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 BURIED 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"PP 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 SWEPT UP INTO THE BOTTOM OF THE PANEL COUNTS TOWARDS THE BEND ALLOWMENT. 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.
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6. NEW CONDUIT SHOULD NOT TERMINATE SUCH THAT IT WILL INVOLVE TRENCHING THROUGH THE DRIVEWAY ANYWHERE 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.
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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 UGS H-168 AS LAST REVISED FOR EXACT DETAILS.
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12. CONDUIT BETWEEN THE GROUND AND THE BOTTOM OF THE PANEL SHALL BE GALVANIZED RIBBON 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.



SERVICE PANEL BY CUSTOMER FOR RESIDENTIAL INSTALLATIONS. EXTERIOR SURFACE MOUNTED ONLY.



TERMINATION PULL BOX, FOR REQUIREMENTS, COORDINATE WITH ESR FOR REQUIREMENTS. EXTERIOR SURFACE MOUNTED WITH AN AIR GAP. (SEE SWITCHBOARD GUIDELINES NOTE 5)

EXHIBIT 1

CONDUIT INSTALLATION WITH LADWP CONNECTION ALONG REAR 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-CONSTRUCTION MEETING BEFORE EQUIPMENT OR CONDUIT IS INSTALLED
NEW SERVICE CONDUIT MUST BE INSPECTED BY ESR BEFORE TRENCH IS BACKFILLED

SMITHBOARD GUIDELINES

1. SERVICE EQUIPMENT INSTALLED TO BE A COMBINATION PANEL THAT ALLOWS FOR NEW FUTURE UNDERGROUND CONDUIT TO THE FRONT PROPERTY LINE AND NEW UNDERGROUND CONDUIT TO EXISTING REAR LADWP INFRASTRUCTURE. REFER TO DETAIL "A".
2. SERVICE PANEL TO BE LOCATED ON PERMANENT LADWP 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-CONSTRUCTION MEETING WITH LADWP ESR BEFORE ANY CONDUIT INSTALLATION BEGINS.
5. REFER TO LADWP ELECTRICAL SERVICE REQUIREMENTS MANUAL PAGE 2-15 FOR PULL BOX DIMENSIONS

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

SERVICE CENTER JOB LOCATION		SERVICE CENTER CONSTRUCTION	
CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER POWER SYSTEMS ENGINEERING		PACIFIC PALISADES REBUILD GUIDELINES FOR FUTURE UNDERGROUND CONDUIT WITH EXISTING REAR UNDERGROUND FEED 400A & BELOW	
DESIGN S. ANTON	PHONE (818) 771-3579	DRAFTING	
DATE			
APPROVED			
		SHEET 1 OF 1	