

METER PEDESTAL DETAILS
N.T.S. 1

- NOTES:**
- CONTRACTOR TO SUBMIT FOR APPROVAL SHOP DRAWINGS FOR CONTROL CENTER RELATED MATERIAL.
 - INSTALLATION AND MATERIALS SHALL COMPLY WITH SCE STANDARDS AND REQUIREMENTS.
 - 1" SLEEVE (FOR GROUND ROD) SHALL BE INSERTED WHEN FOUNDATION IS POURED PER UTILITY COMPANY REQUIREMENTS.
 - LINE SIDE CONDUIT SHALL BE PER UTILITY COMPANY REQUIREMENTS.
 - CONTROLLER CABINET SHALL BE EQUIPPED WITH A HIGH PRESSURE LUG FOR UTILITY CONDUCTOR CONNECTION.
 - CONCRETE PAD SHALL EXTEND 6" BEYOND METER PEDESTAL ON ALL SIDES.
 - PROVIDE (2) 2" SPARE CONDUITS WITH DETECTABLE PULL ROPE EXTENDING 5'-0" BEYOND CONCRETE PAD STUBBED AND CAPPED BELOW GRADE.

Underground Structures Standards

HP 200 Handhole Requirements
Scope HP 200.1 Handhole Requirements
 The following tabulation shows the size and type of various handholes, manufacturers' names, an arbitrarily assigned item number, and SAP numbers. This item number will be the identification used when listed on the "List of Materials" on the working drawing.

Table HP 200-1: Concrete — Unit (Box and Cover) — Parkway						
Item Number	Nominal Size (Inside)	BES Products	Brooks Products*	Chivley Concrete Products**	J&R Concrete Products	SAP Number
HH-2V	10.5" x 17" x 24"	—	36P8B-36MBE-36PCC238	N36B-N36X12-N36T72	E3 1/2 PB, E3 1/2-PB-EXT, E3 1/2-C-ED	10117724
HH-6	17" x 30" x 24"	—	66MBB-66MBE-66PCC238	N36B-N36X12-N36T72	E6B-PB, E6B-1/2" EXT, E6B-C-ED	10117326
HH-1P#	10.5" x 17" x 12"	C36	36P8B-36PCC238	N36B-N36T72	E3 1/2-PB, E3 1/2-C-ED	10117723
HH-3	13" x 24" x 12"	C30	36MBB-36PCC238	N36B-N36T72	E3-2-PB, E3-2-C-ED	10117319
HH-4	13" x 24" x 24"	—	36MBB-36MBE-36PCC238	N36B-N36X12-N36T72	—	10117315
HH-5*	17" x 30" x 12"	C36	66MBB-66PCC238	N36B-N36T72	E6B-PB, E6B-C-ED	10117322

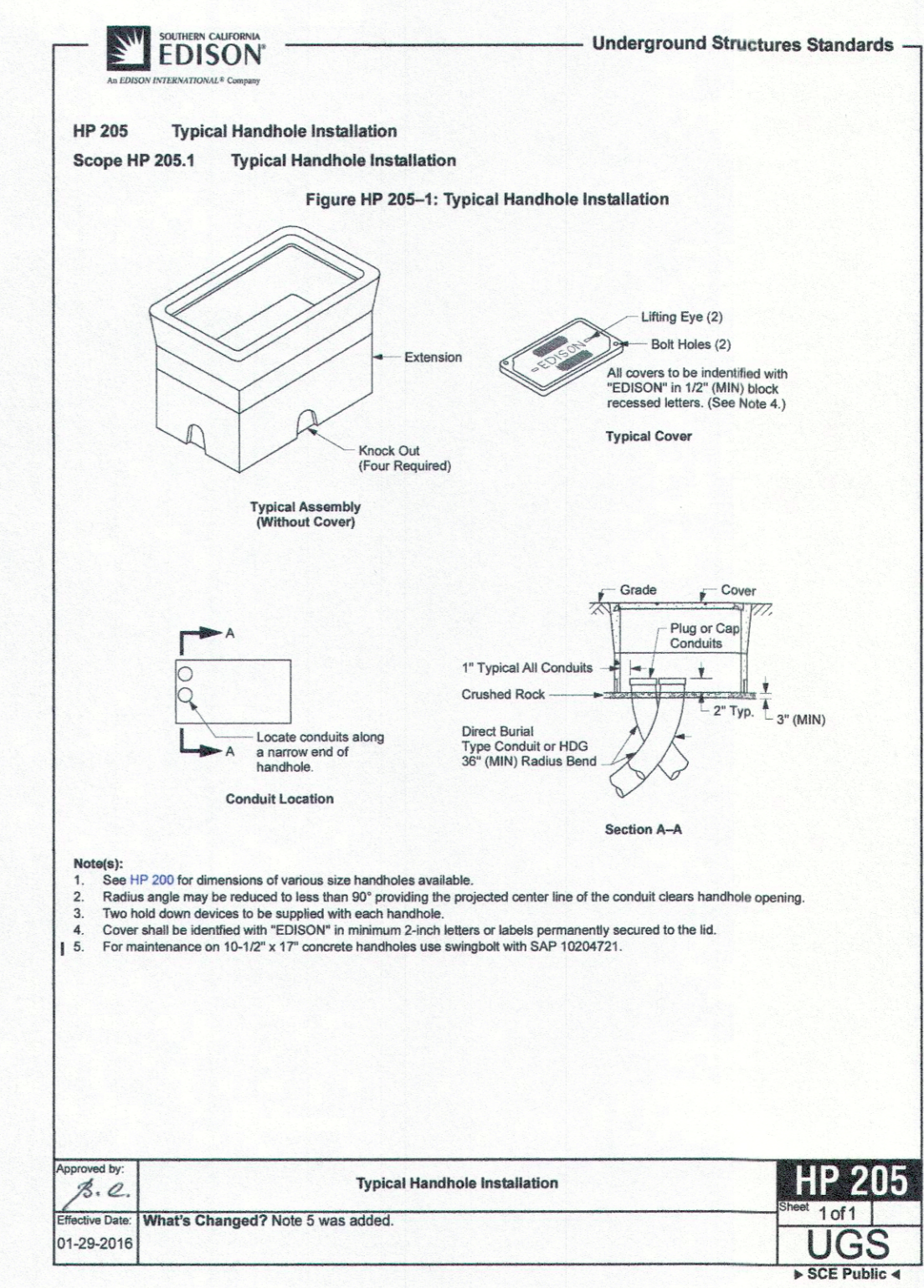
* Brooks Products (Formerly Carson-Brooks)
 ** Old Castle Enclosure Solutions is the parent company of Chivley Concrete Products.
 † Limited to straightlight use.
 ‡ Not approved for use on new construction.

Table HP 200-2: Plastic (HDPE) — Unit (Box and Cover) — Parkway				
Item Number	Nominal Size (Inside)	New Basis**	Carson Industries**	SAP Number
HH-2P#	10.5" x 17" x 12"	SEA-141912-C012	141912-4HYE8A0J0	10117728
HH-8	13" x 24" x 12"	SEA-132415-C012	132415-3BYE80G0J0	10117725
HH-9	17" x 30" x 12"	SEA-173015-C020	173015-3BYE80G0J0	10117726

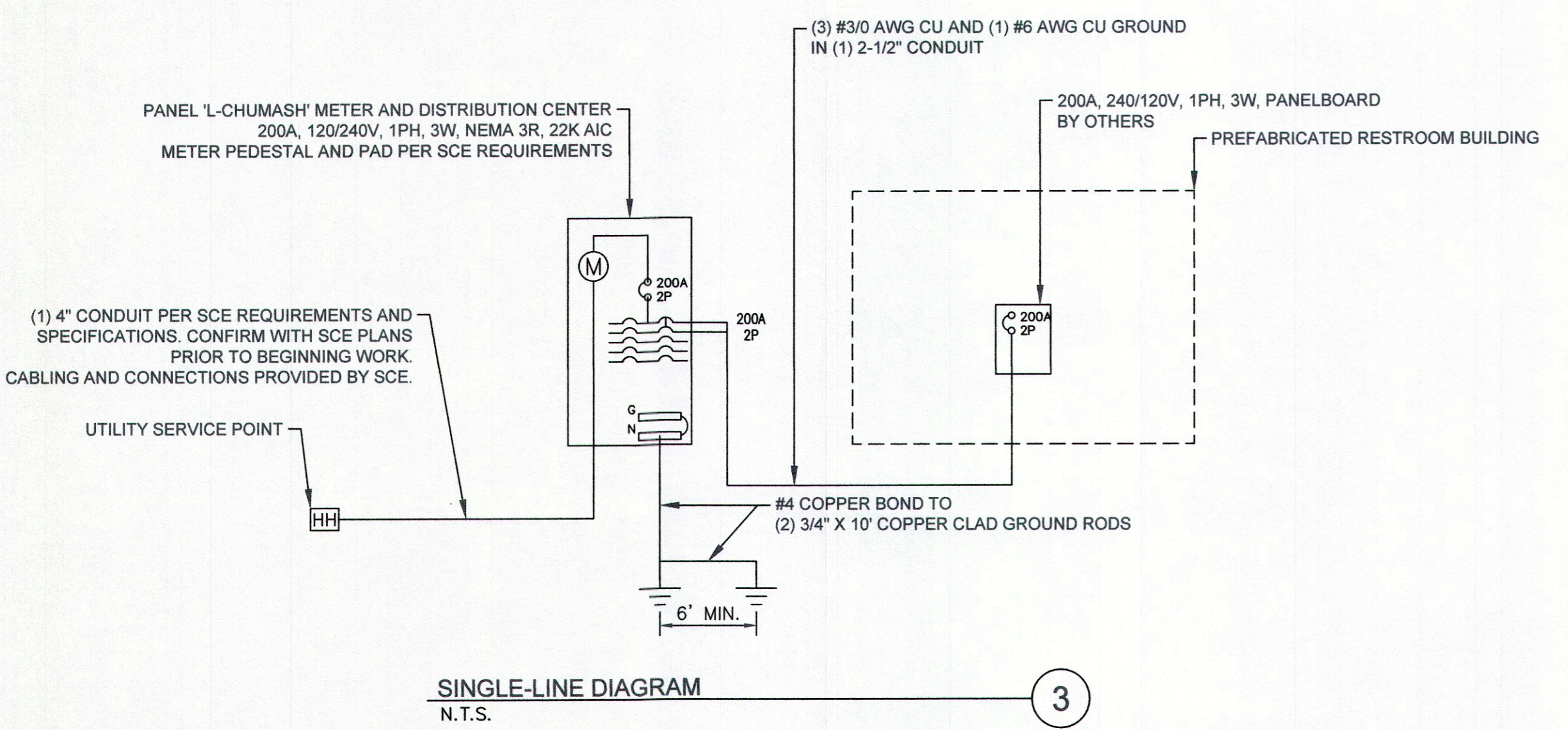
** New Basis (Formerly Associated Plastics)
 † Old Castle Enclosure Solutions is the parent company of Carson Industries (Formerly Carson-Brooks).
 ‡ Limited to Straightlight Use.
 †† Not approved for use on new construction.

HP 200
UGS
SCE Public

HAND HOLE DETAILS
N.T.S. 2



HP 205
UGS
SCE Public



SINGLE-LINE DIAGRAM
N.T.S. 3

ELECTRICAL LOAD CALCULATIONS

PANEL INFORMATION:	120/240V	1-PHASE, 3-WIRE	200 AMP MAIN CIRCUIT BREAKER	AIC: 10,000
LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAND LOAD CALCULATED		
		CODE DESCRIPTION	DEMAND FACTOR	DEMAND LOAD (VA)
EXTERIOR LIGHTING	55.00	LIGHTING	125%	68.75
INTERIOR LIGHTING	213.00	LIGHTING	125%	266.25
(1) HAND DRYER (LARGEST MOTOR)	1,000.00	LARGEST MOTOR LOAD	125%	1,250.00
(4) HAND DRYERS	4,000.00	MOTOR	100%	4,000.00
(4) WATER HEATER	17,100.00	APPLIANCE	100%	17,100.00
(1) DEDICATED RECEPTACLE - GFCI	1,500.00	DEDICATED RECEPTACLES	100%	1,500.00
ELECTROMAGNETIC DOOR LOCKS	120.00	EQUIPMENT	100%	120.00
CONNECTED LOAD SUBTOTAL	23,988.00	DEMAND LOAD SUBTOTAL		24,305.00
TOTAL CONNECTED LOAD	23.99	TOTAL DEMAND LOAD	KVA	24.31
	AMPS		AMPS	101.27

RESTROOM BUILDING
ELECTRICAL LOAD CALCULATIONS
N.T.S. 4

NEW PANEL PANEL NAME: L-CHUMASH
 LOCATION: EXTERIOR VOLTS: 120/240V
 SUPPLY FROM: UTILITY PHASES: 1 AIC RATING: 22K Fully Rated
 MOUNTING: SURFACE WIRES: 3 MAINS TYPE: MCB
 ENCLOSURE: NEMA 3R Wires: 3 MAINS RATING: 200 A
 MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)	B (VA)	POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	MAIN		200A	2P	12,155	12,155	2P	200A	E	RESTROOM ELEC	2
3									E	PANEL	4
5	SPARE		100A	2P	500		1P	20A	E	IRR. CONTROLLER	6
7	SPARE		20A	1P			2P	20A		SPARE	8
11	SPARE		20A	1P			1P	20A		SPARE	12
13	SPARE		20A	1P			1P	20A		SPARE	14
15	SPARE		20A	1P			1P	20A		SPARE	16

TOTAL LOAD: 12,655 VA 12,155 VA
 TOTAL AMPS: 105.5 A 101.3 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA): 24810
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA): 24810
RECEPTACLE (R)	0.0	100.00%	0.0	TOTAL CONN. (A): 103.4
LIGHTING (L)	0.0	125.00%	0.0	TOTAL EST. DEMAND (A): 103.4
EQUIPMENT (E)	24810.0	100.00%	24810.0	PERCENT LOADED: 52%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0	

SES PANEL SCHEDULE
N.T.S. 5



1	ADDENDUM 1	APPROVED	07/30/24
REVISION #	SYMBOL	DESCRIPTION OF CHANGE	DATE

PREPARED BY AND/OR UNDER THE SUPERVISION OF:
 MICHAEL COLOMBO, P.E. 7/30/2024 DATE

Kimley»Horn
 660 S. FIGUEROA STREET, SUITE 2050, LOS ANGELES, CA 90017
 PHONE: 213-261-4040
 WWW.KIMLEY-HORN.COM

CITY OF AGOURA HILLS APPROVAL
 JESSICA FORTÉ, P.E. 7/30/24 DATE
 80486 RCE NO. 3/31/24 EXP DATE

CITY OF AGOURA HILLS
 CHUMASH PARK RESTROOM REHABILITATION PROJECT
ELECTRICAL DETAILS
 SHEET 10 OF 10
 CITY OF AGOURA HILLS DWG. NO. 1118 24-04