

ANODES

AV Vertical AH Horizontal

Where X:

- | | |
|-------------------------------|-------------------------------|
| AV1 - Al (ALUMINUM) | AH1 - Al (ALUMINUM) |
| AV2 - Pm (POLYMERIC) | AH2 - Pm (POLYMERIC) |
| AV3 - Pt (PLATINUM) | AH3 - Pt (PLATINUM) |
| AV4 - Fe (SCRAP IRON) | AH4 - Fe (SCRAP IRON) |
| AV5 - Gr (GRAPHITE) | AH5 - Gr (GRAPHITE) |
| AV6 - Ci (HS C IRON) | AH6 - Ci (HS C IRON) |
| AV7 - Zn (Zinc) | AH7 - Zn (ZINC) |
| AV8 - Mg (MAGNESIUM) | AH8 - Mg (MAGNESIUM) |
| AV9 - MMO (MIXED METAL OXIDE) | AH9 - MMO (MIXED METAL OXIDE) |

CABLES (CB)

- | | | |
|-----|--|---------------------|
| CB1 | | POSITIVE |
| CB2 | | POSITIVE IN CONDUIT |
| CB3 | | NEGATIVE |
| CB4 | | NEGATIVE IN CONDUIT |

CABLE CONNECTION (CC)

- | | | |
|-----|--|-----------------|
| CC1 | | EXOTHERMIC WELD |
| CC2 | | SPLICE TEE |
| CC3 | | STRAIGHT SPLICE |

CASING (CS)

- | | | |
|-----|--|--------------------|
| CS1 | | UNPROTECTED CASING |
| CS2 | | PROTECTED CASING |

ANODE GROUND BEDS (AG)

- | | | |
|-----|--|---------------------------|
| AG1 | | DEEP ANODE WELL |
| AG2 | | POLYMERIC OR PLATINUM |
| AG3 | | CONVENTIONAL - VERTICAL |
| AG4 | | CONVENTIONAL - HORIZONTAL |

JUNCTION BOX (JB)

JB WHERE X:

- JBN - NEGATIVE CABLES
- JBP - POSITIVE CABLES
- JBR - RESISTOR
- JBD - DIODE
- JBA - GALVANIC ANODE SPLICES
- JBI - IMPRESSED ANODE SPLICES
- JBS - CABLE SPLICES

INSULATING JOINTS (IJ)

- | | | |
|------|--|---|
| IJ1 | | DIELECTRICALLY INSULATED FLANGE JOINT |
| IJ2 | | NON-DIELECTRICALLY INSULATED FLANGE JOINT |
| IJ3 | | FLANGED INSULATING PROTECTIVE DEVICE |
| IJ4 | | BONDED INSULATED FLANGE JOINT |
| IJ5 | | INSULATED FLANGE W/ADJUSTABLE RESISTANCE |
| IJ6 | | GATE VALVE INSULATED FLANGE JOINT |
| IJ7 | | BUTTERFLY VALVE INSULATED FLANGE JOINT |
| IJ8 | | MOV INSULATED FLANGE JOINTS |
| IJ9 | | MONOLITHIC INSULATING JOINT |
| IJ10 | | BONDED MECHANICAL COUPLING |
| IJ11 | | DIELECTRICALLY INSULATED UNION |
| IJ12 | | BONDED DIELECTRIC UNION |
| IJ13 | | DIELECTRICALLY INSULATED COUPLING |

RECEIVERS (RE)

- | | | |
|-----|--|------------------|
| RE1 | | PEDESTAL MOUNTED |
| RE2 | | POST MOUNTED |

REFERENCE CELL (RC)

- | | | |
|-----|--|-----------------------------|
| RC1 | | COPPER-COPPER SULFATE CELL |
| RC2 | | 99.9% HIGH PURITY ZINC CELL |
| RC3 | | SILVER-SILVER CHLORIDE CELL |

TEST STATION (TS)

- | | |
|--|-------------|
| | ABOVE GRADE |
| | AT GRADE |
- WHERE X:
- TS1 - IR-FREE COUPON
 - TS2 - 2-WIRES STATION
 - TS3 - FOREIGN CROSSING STATION
 - TS4 - 4-WIRES STATION
 - TS5 - CALIBRATING STATION
 - TS6 - 6-WIRES STATION
 - TS7 - INTERFERENCE CURRENT
 - TS8 - 8-WIRES STATION
 - TS9 - ELECTRICAL RESISTANCE PROBE

DO NOT USE

REVISION	BY	APPROVED	DATE
ORIGINAL	BM	A. OSKOU	12/03
NOTES	BM	A. OSKOU	12/06
UPDATED	KA	J. NAGELVOORT	01/12
DELETED	EF	J. NAGELVOORT	11/17

CITY OF SAN DIEGO - STANDARD DRAWING

**SYMBOLS
CATHODIC PROTECTION**

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

Chungee 11/20/2017
COORDINATOR R.C.E. 56523 DATE

DRAWING NUMBER **SDW-133**