

VICINITY MAP NO SCALE

GENERAL NOTES:

- 1. CONSTRUCTION WORK HOURS ARE LIMITED TO 8:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY. WORK PROHIBITED ON SATURDAYS
- PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), AND CITY OF HERMOSA BEACH PUBLIC WORKS STANDARD PLANS
- 3. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DONE BY A LICENSED CONTRACTOR WITH A CLASS A; C-8 OR C-12
- DAYS BEFORE PERFORMING ANY DIGGING. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIGALERT
- 7. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPENED TO VEHICULAR TRAFFIC UNLESS
- AND 4:30 P.M. TO 6:00 P.M.
- 10. ALL SURVEY POINTS AND MONUMENTS SHALL BE PROTECTED IN PLACE OR RE-ESTABLISHED IF THEY ARE REMOVED OR DESTROYED
- 11. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL, DUST CONTROL, AND TEMPORARY DRAINAGE CONTROL AT ALL TIMES. 12. ALL CONSTRUCTION TO BE IN CONFORMANCE WITH THE REGULATIONS OF CAL-OSHA.

GENERAL NOTES FOR STREET AND STORM DRAIN IMPROVEMENTS:

- 1. ALL STREET CLOSURES REQUIRE A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION. ALL TRAFFIC CONTROL SHALL BE PER THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) MANUAL. STREET CLOSURES APPROVED BY THE CITY ENGINEER WILL REQUIRE A MINIMUM OF 48 HOUR NOTICE TO BE POSTED AND DISTRIBUTED WITH PROPER DOOR-HANGERS TO ALL RESIDENCES ON SAME BLOCK. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCH CENTER FOR HERMOSA BEACH POLICE AND FIRE DEPARTMENTS AT (310) 524-2750 OF ANY CLOSURES OR RESTRICTIONS IN ACCESS.
- GRAFFITI IN FRESHLY POURED CONCRETE SHALL BE REMOVED BY WHATEVER MEANS NECESSARY UP TO AND INCLUDING REMOVAL
- ANY ASPHALT OR CONCRETE PAVEMENT WITHIN THE PROPERTY LIMITS THAT IS DAMAGED PRIOR TO CONSTRUCTION SHALL BE REMOVED AND REPLACED TO MEET CURRENT CITY STANDARDS.
- 4. ANY PUBLIC PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR BETTER TO THE SATISFACTION OF THE CITY PUBLIC WORKS INSPECTOR. THE CITY SHALL, AT ITS DISCRETION AND IN THE INTEREST OF PUBLIC SAFETY, MAKE ANY REPAIRS DEEMED NECESSARY; THE COST OF SUCH REPAIRS WILL BE DEDUCTED FROM THE DEPOSIT HELD BY THE CITY.
- . ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW-CUT OR WHEEL-CUT AND REMOVED TO CLEAN STRAIGHT LINES.
- 6. AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC

GENERAL NOTES FOR SEWER AND UTILITY IMPROVEMENTS:

- 1. SEPARATION OF SEWER AND WATER FACILITIES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPT OF HEALTH SERVICES.
- 2. SEWER LATERALS SHALL BE CONNECTED TO THE SEWER MAIN WITH WYES.
- 3. THE SEWER LINE SHALL BE TESTED PRIOR TO MAKING PERMANENT SERVICE CONNECTIONS.

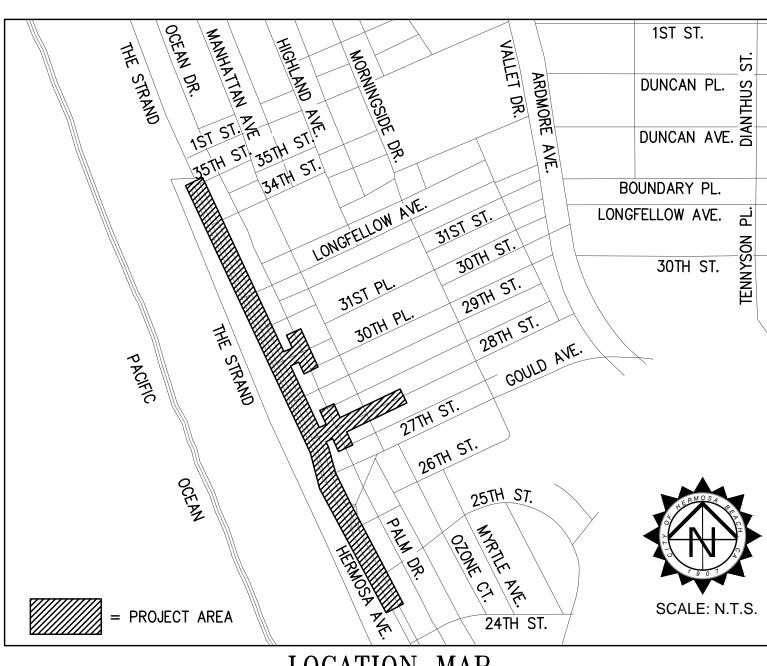
MECHANICAL MEANS TO A HEIGHT SLIGHTLY HIGHER THAN THE EXISTING ASPHALT.

- 4. BACKFILL OF TRENCHES SHALL BE DONE IN LIFTS OF NO MORE THAN 8-INCHES WITH WATER AND APPROPRIATE COMPACTION TOOLS USED BETWEEN EACH LIFT. ONE SACK SLURRY MIX CAN BE USED IN PLACE OF NATIVE SOIL. AFTER BACKFILLING THE TRENCH, A TEMPORARY ASPHALT PATCH SHALL BE PLACED OVER THE TRENCH AND REMAIN FOR NO MORE THAN TWO WEEKS. THE FINAL PATCH SHALL BE A MINIMUM OF 5" THICK OR 1" THICKER THAN THE EXISTING PAVEMENT. THE CONTRACTOR SHALL FOLLOW
- THE LATEST HERMOSA BEACH STANDARD PLANS FOR AC AND PCC PAVEMENT. 5. THE FINAL PATCH IN ASPHALT STREETS SHALL BE DONE IN TWO LIFTS, A BASE OF 3" MINIMUM 3/4" AGGREGATE AND A TOP LIFT OF 2" OF 3/8" AGGREGATE. ALL EDGES OF THE CUT ASPHALT SHALL BE TACKED THOROUGHLY AND THE PATCH COMPACTED BY
- 6. THE FINAL PATCH ON CONCRETE STREETS SHALL BE CLASS 3500 P.S.I (7 SACK), EXISTING CONCRETE TO BE DRILLED 2 "BELOW THE SURFACE TO A DEPTH OF 6" MINIMUM AND DOWELLED WITH #5 REBAR SPACED AT 18" ON CENTER. FINISH TO MATCH EXISTING
- 7. ALL UTILITY BOXES ARE TO BE ADJUSTED TO THE NEW GRADE. DAMAGED BOXES SHALL BE REPLACED. KEEP ALL UTILITY BOXES OUT OF DRAINAGE FLOW LINES, CURB RETURNS, DRIVEWAY APPROACHES, AND ADA RAMPS, UNLESS APPROVED BY THE CITY ENGINEER.

CITY OF HERMOSA BEACH

CONSTRUCTION PLANS FOR GREENWICH VILLAGE NORTH UNDERGROUND UTILITIES ASSESSMENT DISTRICT





LOCATION MAP NO SCALE

JOB SAFETY REQUIREMENTS

- PROPER BARRICADES SHALL BE PLACED AROUND ANY CONSTRUCTION SITE WITHIN THE PUBLIC RIGHT-OF-WAY. THESE BARRICADES SHALL COMPLY WITH THE REQUIREMENTS OF THE WATCH MANUAL.
- ALL CONSTRUCTION FENCING SHALL BE BEHIND THE SIDEWALK AND ALL CONSTRUCTION MATERIAL WITHOUT PERMITS
- SHALL BE STORED BEHIND THE FENCE. SIDEWALKS ARE TO BE ACCESSIBLE TO PEDESTRIANS AT ALL TIMES. NO CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIAL, PORTABLE TOILETS, DUMPSTERS, ETC. SHALL BE LEFT ON
- THE PUBLIC RIGHT-OF-WAY WITHOUT PROPER PERMITS. THESE OBSTRUCTIONS MUST HAVE PROPER BARRICADES WITH FLASHING YELLOW LIGHTS AFTER DARK. 4. ANY PUBLIC SIDEWALK DAMAGED TO THE POINT OF CAUSING A TRIP HAZARD MUST BE REPAIRED IMMEDIATELY. THE PANEL OF CONCRETE SHALL BE REMOVED AND PATCHED WITH A TEMPORARY ASPHALT PATCH AND MUST BE KEPT IN
- ALL VEHICLES THAT INTRUDE INTO A NORMAL TRAFFIC LANE MUST HAVE PROPER SIGNAGE AND BARRICADES AS
- REQUIRED BY THE WATCH MANUAL.

GOOD REPAIR UNTIL THE PERMANENT SIDEWALK IS CONSTRUCTED.

- ALL WORK VEHICLES ARE SUBJECT TO ALL APPLICABLE PARKING RESTRICTIONS. 7. FLAGMEN ARE REQUIRED FOR ANY VEHICLES THAT BLOCK THE TRAVEL LANE AND REQUIRE TRAFFIC TO USE THE
- OPPOSING LANE TO PASS.

WATER QUALITY REQUIREMENTS:

- PRECAUTIONS SHALL BE TAKEN TO PREVENT ANY CONSTRUCTION MATERIAL DEBRIS OR RUNOFF FROM ENTERING ANY PUBLIC RIGHT-OF-WAY OR COUNTY STORM DRAIN. ALL SAW-CUT RESIDUE MUST BE RETAINED WITH BERMS OR SANDBAGS AND VACUUMED TO PREVENT IT FROM ENTERING ANY STORM DRAIN SYSTEM. 2. SANDBAGS ARE REQUIRED FOR EROSION CONTROL DURING THE RAINY SEASON. OCTOBER 15TH THROUGH APRIL 15TH.
- AND MAY BE REQUIRED AT OTHER TIMES. SANDBAGS ARE REQUIRED AT NEARBY CATCH BASINS DURING CONSTRUCTION. SANDBAGS SHALL BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES. CONTRACTOR SHALL ENSURE BROKEN PAVEMENT DOES NOT COME IN CONTACT WITH RAINFALL OR RUNOFF.
- 4. VACUUM SAW-CUT SLURRY AND REMOVE FROM THE SITE. FOR DISPOSAL INFORMATION CONTACT THE L.A. COUNTY
- DEPARTMENT OF PUBLIC WORKS AT 800-552-5218. 5. COVER OR BARRICADE STORM DRAIN OPENINGS DURING SAW-CUTTING.
- 6. DURING CONSTRUCTION: A. PROTECT CATCH BASINS AND MAINTENANCE HOLES WHEN APPLYING SEAL COAT, SLURRY SEAL, FOG SEAL, ETC.
- B. USE CHECK DAMS, DITCHES, OR BERMS TO DIVERT RUNOFF AROUND EXCAVATIONS.
- C. COLLECT AND RECYCLE EXCESS ABRASIVE GRAVEL OR SAND. D. AVOID OVER-APPLICATION BY WATER TRUCKS FOR DUST CONTROL.
- E. NEVER HOSE DOWN "DIRTY" PAVEMENT OR SURFACES. CLEAN UP ALL SPILLS AND LEAKS USING "DRY" METHODS (WITH ABSORBENT MATERIALS AND/OR RAGS), OR DIG UP AND REMOVE CONTAMINATED SOIL. FOR DISPOSAL INFORMATION CALL 800- 552-5218.
- F. CATCH DRIPS FROM PAVER WITH DRIP PANS OR ABSORBENT MATERIAL (CLOTH, RAGS, ETC.) PLACED UNDER THE MACHINE WHEN NOT IN USE.

STANDARD PLANS

HERMOSA BEACH CONSTRUCTION STANDARDS

PLAN NO.	PLAN DESCRIPTION
SP 102	RESIDENTIAL DRIVEWAY APPROACH
SP 103	COMMERCIAL DRIVEWAY APPROACH
SP 106	SIDEWALK DETAIL
SP 117	ROADWAY UTILITY TRENCH DETAIL

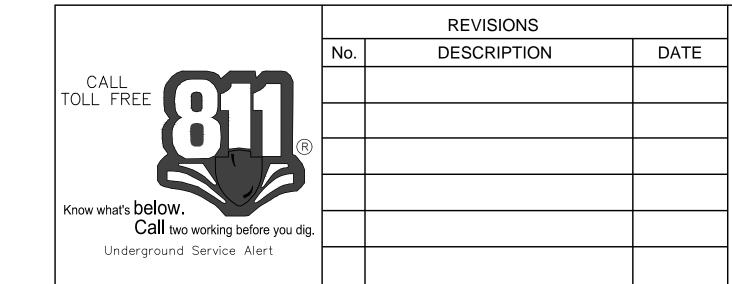
<u>GREENBOOK</u>

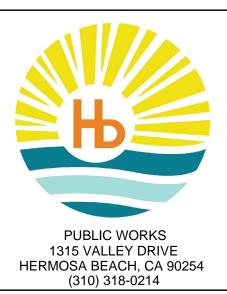
PLAN NO.	PLAN DESCRIPTION
120	CURB AND GUTTER-BARRIER
122	CROSS AND LONGITUDINAL
	GUTTERS
132	CONCRETE PAVEMENT
	REPLACEMENT
133	ASPHALT CONCRETE PAVEMENT
	REPLACEMENT
150	CURB DRAIN
170	PAVEMENT MARKERS AND TRAFFIC
	LINES
171	PAVEMENT MARKINGS ARROWS
	AND SYMBOLS
172	STOP AND STOP BAR
173	INTERSECTION APPROACH
	STRIPING
174	CROSSWALK STRIPING
175	PEDESTRIAN CROSSING
176	LANE REDUCTION MARKINGS
177	BIKE LANE MARKING & STRIPING

CURB AND GUTTER-BARRIER CROSS AND LONGITUDINAL GUTTERS CONCRETE PAVEMENT REPLACEMENT ASPHALT CONCRETE PAVEMENT REPLACEMENT	SHEET	INDEX
CURB DRAIN PAVEMENT MARKERS AND TRAFFIC	SHEET NO.	SHEET TITLE
LINES PAVEMENT MARKINGS ARROWS	1	TITLE SHEET
AND SYMBOLS	2	GENERAL NOTES
STOP AND STOP BAR INTERSECTION APPROACH	3	UTILITY NOTES
STRIPING		SOUTHERN CALIFORNIA EDISON (12 SHEETS)
CROSSWALK STRIPING		FRONTIER (11 SHEETS)
PEDESTRIAN CROSSING LANE REDUCTION MARKINGS BIKE LANE MARKING & STRIPING		CROWN CASTLE (9 SHEETS)

UTILITY / AGENCY CONTACTS

UTILITY COMPANY	CONTACT	E-MAIL	<u>PHONE</u>
ATT	AT&T DIST. DAMAGE PREVENTION	G00559@ATT.COM	888-290-3111
SOCAL GAS COMPANY	NOEL FORST	NFORST@SOCALGAS.COM	800-427-8894
CALIFORNIA WATER SERVICE	MAP REQUESTS - RDOM	MAPREQUESTS-RDOM@CALWATER.COM	310-257-1400
SOUTHERN CALIFORNIA EDISON	GILBERT ACEVES	GILBERT.ACEVES@SCE.COM	909-548-7249
FRONTIER	UTILIQUEST FOR FRONTIER COM	-	323-342-5552
SPECTRUM	NATASCHA FUCSIK	NATASCHA.FUCSIK@CHARTER.COM	310-216-3545
RTI INFRASTRUCTURE INC	CHRIS BRUNGARDT	CHRIS.BRUNGARDT@HMBIX.COM	916-949-9141
HERMOSA BEACH POLICE AND FIRE			310-318-0360





REVIEWED BY:	RECOMMENDED BY:		PLAN NO.
		TITLE SHEET	_
DATE REVIEWED BY:	APPROVED BY:	GREENWICH VILLAGE NORTH	
		UNDERGROUND UTILITIES	4 00
DATE	DATE	ASSESSMENT DISTRICT	SHT. 1 OF 36

GENERAL NOTES:

- 1. CONSTRUCTION WORK HOURS ARE LIMITED TO 8:00AM TO 6:00 PM, MONDAY THROUGH FRIDAY. WORK IS PROHIBITED ON SATURDAYS, SUNDAYS, AND HOLIDAYS AS DEFINED IN THE SPECIAL PROVISIONS.
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), CITY OF HERMOSA BEACH PUBLIC WORKS STANDARDS, AND ALL OTHER CONTRACTUAL REQUIREMENTS.
- 3. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DONE BY A LICENSED CONTRACTOR WITH A CLASS X LICENSE.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS FROM THE CITY AND ANY OTHER JURISDICTIONAL AGENCIES REQUIRED TO ACCOMPLISH ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY. NO WORK SHALL START UNTIL ALL NECESSARY PERMITS ARE OBTAINED.
- 5. ALL WORK IS SUBJECT TO THE REQUIREMENTS OF THE PERMIT(S) OF THE CITY OF HERMOSA BEACH INCLUDING, BUT NOT LIMITED TO, BARRICADES, TRAFFIC CONTROL, BACKFILL COMPACTION, PAVEMENT REPAIRS, ETC.
- 6. ALL CONTRACTORS WORKING ON PUBLIC WORKS PROJECTS MUST HAVE A CURRENT CITY OF HERMOSA BEACH BUSINESS LICENSE.
- 7. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE PUBLIC WORKS DEPARTMENT ON A CITY-PROVIDED PUBLIC NOTICE FORM FOR APPROVAL THEN, UPON APPROVAL, DISTRIBUTE THE NOTICE TO ALL AFFECTED PROPERTIES AT LEAST 72 HOURS IN ADVANCE OF START OF CONSTRUCTION. NOTICE SHALL INFORM THE PUBLIC OF ALL CONSTRUCTION OPERATIONS INCLUDING ANY STREET CLOSURE OR PARKING RESTRICTION.
- 8. THE CONTRACTOR SHALL NOTIFY BUS COMPANIES OF ANY STREET CLOSURES AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY RELOCATION OF ANY BUS STOP IMPACTED BY CONSTRUCTION; SEE AGENCY CONTACTS FOR CONTACT INFORMATION.
- 9. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PLANS PRIOR TO COMMENCING WORK. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- 10. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD INCLUDING DIMENSIONS AND SOIL CONDITIONS. IF THE FIELD CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED AND ADDRESSED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY APPLICABLE CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE CITY.
- 11. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- 12. THE CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THE PLAN. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKERS WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS REQUIRED PRIOR TO PERFORMANCE OF THE WORK.
- 13. THE CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING SUBCONTRACTORS' WORK, SO AS TO ELIMINATE CONFLICTS AND WORK TOWARD THE GENERAL COMPLETION OF THE ENTIRE PROJECT WITHIN THE CONTRACT PERIOD.
- 14. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS (PAVEMENT, STRIPING, RAISED MARKERS, ETC.) DAMAGED DURING CONSTRUCTION IN KIND AND TO THE SAME OR BETTER CONDITION.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR EXCESSIVE WEAR AND TEAR TO ROADS, OR ADJACENT PUBLIC OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION-RELATED WORK AND SHALL BE RESPONSIBLE TO IMPLEMENT MEASURES TO PREVENT SUCH DAMAGE.
- 16. ANY ASPHALT OR CONCRETE PAVEMENT WITHIN THE PROPERTY LIMITS THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED TO MEET CURRENT CITY STANDARDS.
- 17. ALL EXISTING SURFACE FEATURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES DURING CONSTRUCTION.
- 18. ANY PUBLIC PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR BETTER TO THE SATISFACTION OF THE PUBLIC WORKS INSPECTOR OR ENGINEER. THE CITY SHALL, AT ITS DISCRETION AND IN THE INTEREST OF PUBLIC SAFETY, MAKE ANY REPAIRS DEEMED NECESSARY; THE COST OF SUCH REPAIRS SHALL BE DEDUCTED FROM THE CONTRACT COST.
- 19. GRAFFITI IN FRESHLY POURED CONCRETE SHALL BE REMOVED BY WHATEVER MEANS NECESSARY UP TO AND INCLUDING REMOVAL AND REPLACEMENT.
- 20. UNLESS OTHERWISE NOTED, ALL TRAFFIC SIGNS SHALL BE PROTECTED IN PLACE BY THE CONTRACTOR.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN APPROVED COPY OF CONSTRUCTION PLANS AT THE PROJECT SITE DURING CONSTRUCTION. ALL DRAWINGS ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS.
- 22. THE CONTRACTOR SHALL MAKE AVAILABLE FOR THE INSPECTOR'S REVIEW, ON A DAILY BASIS, AS-BUILT DRAWINGS FOR WORK PERFORMED UP TO AND INCLUDING THE PREVIOUS DAY'S ACTIVITIES. WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND ACCEPTED BY THE PUBLIC WORKS DIRECTOR

UTILITIES:

- 23. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA) AT (800) 422-4133 AT LEAST 72 HOURS BEFORE PERFORMING ANY DIGGING. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. THE CONTRACTOR SHALL PROVIDE THE DIGALERT NUMBER TO THE CITY, AND UPON EXPOSING ANY UNDERGROUND FACILITY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THAT UTILITY COMPANY.
- 24. EXISTING UTILITIES AND STRUCTURES (UNDERGROUND, SURFACE, OR OVERHEAD) ARE INDICATED ONLY TO THE EXTENT THAT SUCH INFORMATION WAS KNOWN, MADE AVAILABLE TO, OR DISCOVERED BY THE DESIGNER IN PREPARING THE DRAWINGS. THE LOCATIONS, CONFIGURATIONS, AND PLAN VIEW ELEVATIONS OF SUBSURFACE FACILITIES ARE APPROXIMATE AND NOT ALL UTILITIES AND FACILITIES MAY BE INDICATED.

- 25. THE CONTRACTOR SHALL DETERMINE THE LOCATIONS, DEPTH, MATERIAL, CONDITIONS, ROUNDNESS, AND SIZE OF ALL UTILITIES, AND SUBSTRUCTURES INCLUDING SERVICE CONNECTIONS AND LATERALS WITHIN THE ALIGNMENT AND WORK LIMITS OF THE PROPOSED IMPROVEMENTS.
- 26. THE CONTRACTOR SHALL BEAR THE COST OF REPAIRING OR REPLACING ANY OF SAID STRUCTURES DAMAGED BY THEM DURING THE PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE DONE IN THE PRESENCE OF THE INSPECTOR. ALL LOCATIONS SHOWN ON THE PLANS FOR UTILITIES HAVE BEEN TAKEN FROM AVAILABLE RECORDS AND THEIR COMPLETENESS AND CORRECTNESS ARE IN NO WAY GUARANTEED.
- 27. BEFORE CONSTRUCTION IS STARTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER OF EACH UTILITY AND DEFINE THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT, OR RELOCATION OF ANY UTILITIES AFFECTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE, BREAKAGE, OR LEAKS CAUSED BY THEIR WORK.
- 28. ALL EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED IN PLACE BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING UTILITIES AND/OR NEW IMPROVEMENTS SHALL BE SUPPORTED AS REQUIRED BY THE ENGINEER IN ACCORDANCE WITH SSPWC STANDARD PLAN 224-3.
- 29. ALL FIRE HYDRANTS, WATER CONTROL VALVES, AND MAINTENANCE HOLES SHALL BE KEPT FREE FROM OBSTRUCTIONS AND AVAILABLE FOR USE.
- 30. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST TO FINISHED GRADE EXISTING SEWER AND STORM DRAIN MAINTENANCE MANHOLES AND COVERS AND ALL OTHER UTILITY BOX AND VALVE COVERS. WHERE APPLICABLE, CONCRETE COLLARS SHALL BE INSTALLED TO MATCH FINISHED GRADE WHETHER INDICATED ON THE PLANS OR NOT.
- 31. SEPARATION OF SEWER AND WATER FACILITIES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPT OF HEALTH SERVICES.
- 32. SEWER LATERALS SHALL BE CONNECTED TO THE SEWER MAIN WITH WYES.
- 33. SEWER LINES SHALL BE TESTED PRIOR TO MAKING PERMANENT SERVICE CONNECTIONS.
- 34. IN ADDITION TO ITEMS LISTED IN THESE PLANS, THE CONTRACTOR SHALL FURNISH ALL NECESSARY ADAPTORS, COUPLINGS, BOLTS, GASKETS, CAULKING MATERIALS, AND REPAVING MATERIALS AS REQUIRED TO COMPLETE THE WORK.
- 35. PIPES SHALL BE CONSTRUCTED SO AS TO PROVIDE THE FOLLOWING MINIMUM CLEARANCES TO EXISTING OR OTHER PROPOSED UNDERGROUND CONDUITS OR STRUCTURES (UNLESS OTHERWISE NOTED ON PLANS OR IN SPECS):
- a. HORIZONTAL: 24-INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER
- b. VERTICAL: 12-INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER
- 36. CONTRACTOR SHALL ADJUST SEWER MAIN ALIGNMENTS AS REQUIRED TO MAINTAIN MINIMUM CLEARANCE BETWEEN WATER MAIN AND OTHER EXISTING UTILITIES, VAULTS, MANHOLES, STRUCTURES, AND SUBSURFACE FACILITIES AT NO ADDITIONAL COST TO THE CITY. PIPELINE CONSTRUCTION IN THE VICINITY OF WATER MAINS SHALL, AT A MINIMUM, CONFORM TO THE LOS ANGELES COUNTY WATERWORKS DISTRICTS STD. PLAN W-50.
- 37. ALL CROSSING UTILITIES SHALL HAVE A MINIMUM 12-INCH CLEARANCE UNLESS OTHERWISE NOTED.
- 38. CONTRACTOR SHALL POTHOLE AND VERIFY DEPTH, LOCATION, AND DIMENSIONS OF EXISTING FACILITIES AND CONNECTION POINTS PRIOR TO CONSTRUCTION OF MAINS.
- 39. LOCATIONS OF EXISTING SEWER, GAS, AND WATER SERVICE LATERALS ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING SERVICES UNLESS OTHERWISE NOTED
- 40. BACKFILL OF TRENCHES SHALL BE DONE IN LIFTS OF NO MORE THAN 8-INCHES WITH WATER AND APPROPRIATE COMPACTION TOOLS USED BETWEEN EACH LIFT. ONE SACK SLURRY MIX CAN BE USED IN PLACE OF NATIVE SOIL. AFTER BACKFILLING THE TRENCH. A TEMPORARY ASPHALT PATCH SHALL BE PLACED OVER THE TRENCH AND REMAIN FOR NO MORE THAN TWO WEEKS. THE FINAL PATCH SHALL BE A MINIMUM OF 5" THICK OR 1" THICKER THAN THE EXISTING PAVEMENT. THE CONTRACTOR SHALL FOLLOW THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD DETAILS 115 - 117.
- 41. THE FINAL PATCH ON ASPHALT STREETS SHALL BE PER THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLANS 115 AND 116.
- 42. THE FINAL PATCH ON CONCRETE STREETS SHALL BE PER THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLAN 115.

TRAFFIC CONTROL:

- 43. THE CONTRACTOR MAY PROHIBIT PARKING WITHIN THE CONSTRUCTION LIMITS AND AS NECESSARY TO COMPLETE THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER. ACCESS TO ALL RESIDENCES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POST "NO PARKING" SIGNS WITH SPECIFIC TIME FRAMES ON CITY-APPROVED SIGNS AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- 44. TRAFFIC CONTROL DEVICES AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), LATEST REVISION, AND WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH MANUAL), LATEST EDITION.
- 45. ALL STREET CLOSURES REQUIRE A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

SITE CONTROL / SAFETY:

REVISIONS

- 46. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATIONS, AND ORDINANCES WHICH APPLY TO ANY WORK PERFORMED PURSUANT TO THE CONTRACT.
- 47. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE REGULATIONS OF CAL-OSHA.
- 48. ANY WALLS, FENCES, STRUCTURES, AND/OR APPURTENANCES ADJACENT TO THIS PROJECT EITHER IN THE PUBLIC RIGHT-OF-WAY OR ON PRIVATE PROPERTY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR'S ACTIVITIES DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNERS AT THE CONTRACTOR'S COST.
- 49. THE CONTRACTOR SHALL BE RESPONSIBLE DURING ALL PHASES OF THE WORK FOR PROVIDING PUBLIC SAFETY AND CONVENIENCE.

- 50. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION, AND UNTIL THE DATE OF THE NOTICE OF COMPLETION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS DESCRIBED IN THE PROJECT SPECIFICATIONS.
- 51. IN THE CASE OF SUSPENSION OF THE WORK FOR ANY CAUSE WHATSOEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND SHALL PROPERLY STORE THEM IF NECESSARY AND SHALL ERECT TEMPORARY STRUCTURE(S) WHERE NECESSARY. THE CITY WILL NOT BE HELD RESPONSIBLE FOR THE CARE OR PROTECTION OF ANY MATERIAL OR PARTS OF THE WORK PRIOR TO FINAL ACCEPTANCE, UNLESS OTHERWISE SPECIFIED.
- 52. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN THEIR OWN STAGING AREA FOR ALL TOOLS, EQUIPMENT, MATERIAL, AND PARKING. AT THE END OF EACH DAY, THE CONTRACTOR SHALL REMOVE ALL MATERIALS, DEBRIS, FOREIGN MATERIAL, AND EQUIPMENT FROM THE JOB SITE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 53. THE PUBLIC RIGHT-OF-WAY SHALL NOT BE USED FOR A STAGING AREA AS DESCRIBED ABOVE UNLESS OTHERWISE AUTHORIZED BY THE CITY.
- 54. WATER SHALL BE PROVIDED ON SITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A HYDRANT METER FROM CAL WATER (CALL (310) 420-7730) AND PAY FOR CONSTRUCTION WATER.
- 55. AS REQUIRED BY THE ENGINEER, THE CONTACTOR SHALL FURNISH AND OPERATE A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLES AT LEAST TWICE EACH WORKING DAY TO KEEP PAVED AREAS ACCEPTABLY CLEAN WHEREVER CONSTRUCTION, INCLUDING RESTORATION, IS INCOMPLETE.
- 56. PROPER BARRICADES SHALL BE PLACED AROUND ANY CONSTRUCTION SITE WITHIN THE PUBLIC RIGHT-OF-WAY. THESE BARRICADES SHALL COMPLY WITH THE REQUIREMENTS OF THE WATCH MANUAL
- 57. ALL VEHICLES THAT INTRUDE INTO A NORMAL TRAFFIC LANE MUST HAVE PROPER SIGNAGE AND BARRICADES AS REQUIRED BY THE WATCH MANUAL.
- 58. ALL WORK VEHICLES ARE SUBJECT TO ALL APPLICABLE PARKING RESTRICTIONS.
- 59. FLAGMEN ARE REQUIRED FOR ANY VEHICLES THAT BLOCK THE TRAVEL LANE AND REQUIRE TRAFFIC TO USE THE OPPOSING LANE TO PASS.

SURVEY / LAYOUT:

- 60. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS INCLUDING PROPERTY CORNER MARKERS, UNLESS OTHERWISE NOTED ON THE PLANS. PRIOR TO COMMENCEMENT OF WORK ALL SURVEY MONUMENTS IN THE PROJECT AREA SHALL BE LOCATED AND TIED OUT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPLACING ANY SURVEY MONUMENTS THAT ARE DISTRIBUTED DURING CONSTRUCTION. PROPERTY CORNER MARKERS AND SURVEY MONUMENTS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RE-ESTABLISHED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF CALIFORNIA.
- 61. CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF CALIFORNIA.
- 62. ALL SURVEY POINTS AND MONUMENTS SHALL BE PROTECTED IN PLACE OR RESET AND RECORDED IF THEY ARE REMOVED OR DESTROYED DURING CONSTRUCTION.

LANDSCAPE:

- 63. TREES AND FOLIAGE (TO DRIP LINE), SIGNS, PARKING METERS, AND OTHER IMPROVEMENTS SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED, AND ANY DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED OR THE IMPROVEMENTS REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- 64. TREES WITHIN THE PUBLIC RIGHT-OF-WAY MAY NOT BE REMOVED WITHOUT AUTHORIZATION FROM THE ENGINEER AND ARE TO BE PROTECTED FROM INJURY OR DAMAGE DURING CONSTRUCTION.
- 65. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY TRIMMING, REMOVING, OR RELOCATING OF AN EXISTING STREET TREE.
- 66. FOR ANY TREE REMOVED DURING THE COURSE OF CONSTRUCTION. THE TREE SHALL BE REPLACED BY TWO IN KIND IN LOCATIONS DETERMINED BY THE ENGINEER.
- 67. IF STREET TREES ARE REQUIRED IN THE PARKWAY. NEWLY INSTALLED TREES SHALL BE INSTALLED PER THE GREENBOOK TO THE SATISFACTION OF THE INSPECTOR OR ENGINEER. CONTACT THE PUBLIC WORKS DEPARTMENT FOR TYPE(S), SIZE(S), AND LOCATION(S) OF TREES.

SHEET DESIGNATION

68. PLANTED AND IRRIGATED PARKWAY(S), IF REQUIRED, SHALL HAVE MATERIALS AND PLANTS APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

EROSION CONTROL:

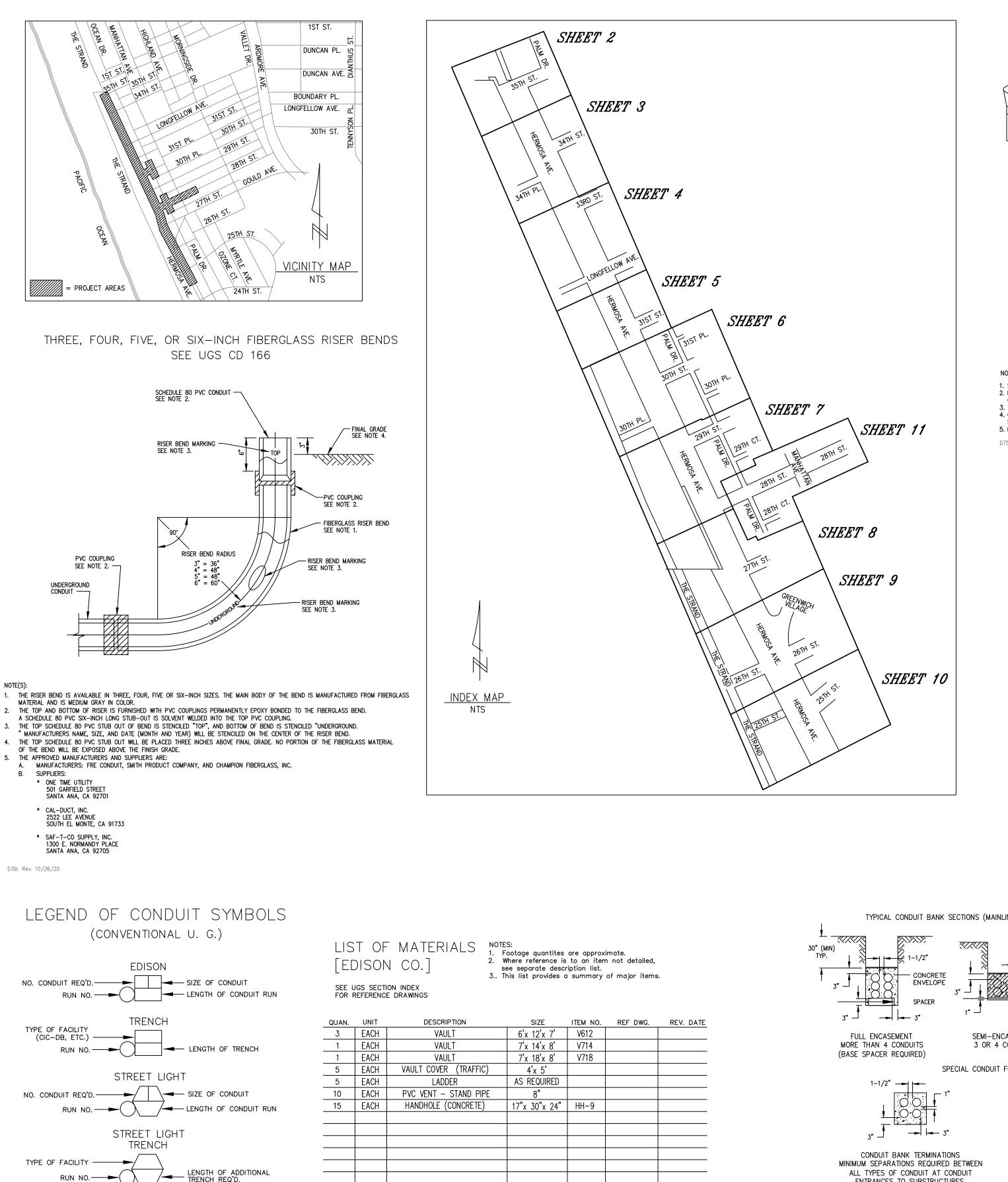
- 1. THE CONTRACTOR SHALL MAINTAIN AND CLEAN, IF NECESSARY, ALL EXISTING ON-SITE AND ADJACENT STORM DRAIN INLETS DURING THE COURSE OF CONSTRUCTION AND UNTIL THE WORK IS FORMALLY ACCEPTED BY THE CITY.
- 2. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED DISPOSAL SITE. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE. THE REMOVAL AND DISPOSAL OF DEMOLITION ITEMS (TREES, PAVEMENT, SOIL, ETC.) SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 3. THE CONTRACTOR IS ADVISED THAT ALL MATERIAL AND DEBRIS CREATED BY REMOVAL OPERATIONS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO ALL AGENCIES AFFECTED BY THE WORK UNLESS INSTRUCTED BY THE ENGINEER OTHERWISE. THE CITY SHALL HAVE RIGHT OF FIRST REFUSAL FOR SALVAGEABLE PARTS, AND IF INSTRUCTED BY THE ENGINEER THE CONTRACTOR SHALL DELIVER SUCH PARTS TO THE CITY YARD.
- 4. THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING CURB DRAINS AND PARKWAY CULVERTS WHETHER SPECIFIED ON THE PLANS OR NOT. THE CONTRACTOR SHALL ENSURE DRAINS AND CULVERTS REMAIN FUNCTIONAL AT ALL TIMES.
- 5. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION FOR ALL INLETS DOWNSTREAM OF THE WORK AREA IN ACCORDANCE WITH CASQA BMP SE-10.
- 6. PRIOR TO STORM EVENTS SOIL BINDER, STRAW WATTLE, OR OTHER EROSION CONTROL DEVICES MAY BE APPLIED AND SECURED TO DISTURBED OPEN AREAS DURING GRADING OPERATIONS IF DETERMINED NECESSARY BY THE CONTRACTOR OR ENGINEER.
- 7. REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, OR ANY HAZARDOUS SUBSTANCE OVER ANY PUBLIC STREET, ALLEY, OR OTHER PUBLIC PLACE. SHOULD ANY MATERIAL BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY, IMMEDIATE CLEAN UP SHALL OCCUR.
- 8. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER TO CONTROL DRAINAGE WHICH HAS BEEN AFFECTED BY GRADING AND/OR TRENCHING OPERATIONS.

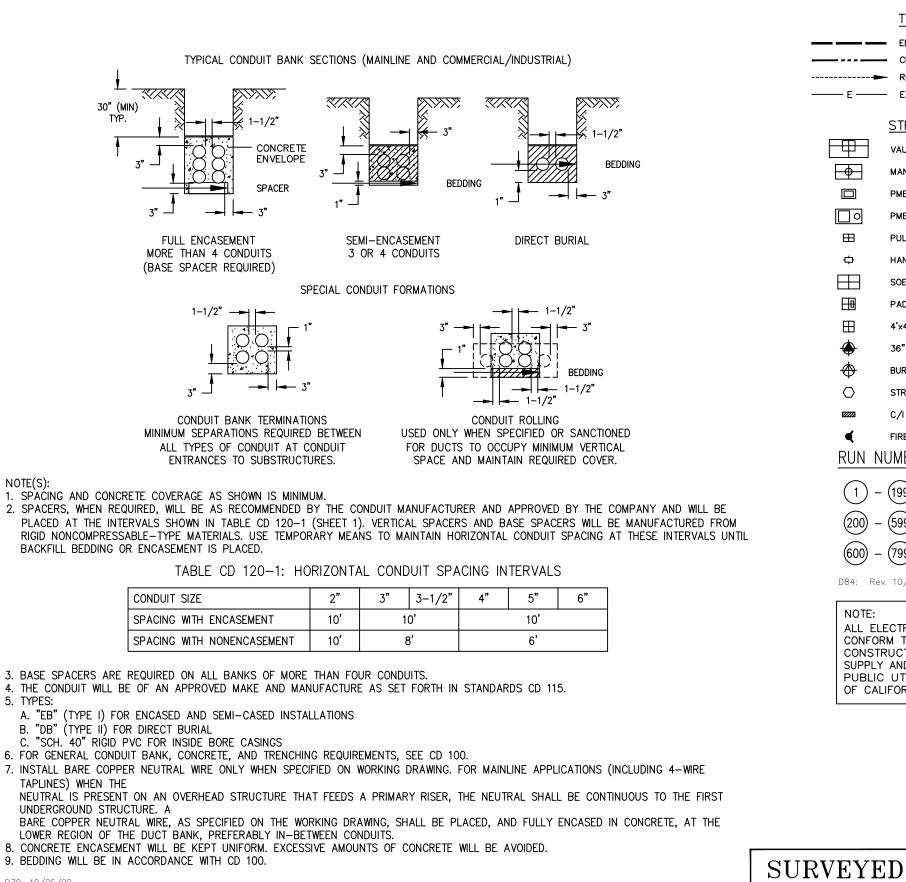
CONSTRUCTION / MATERIALS:

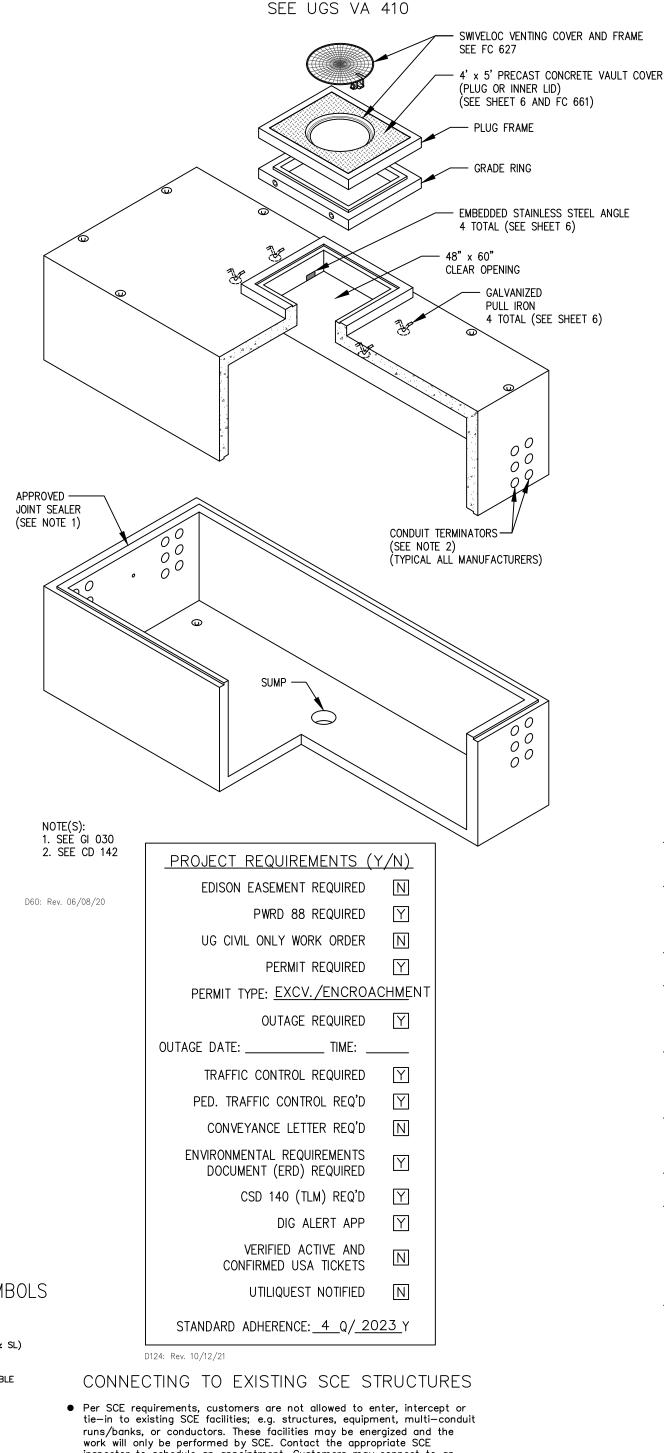
- 9. UNLESS OTHERWISE SPECIFICALLY MENTIONED ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS, CURB RAMPS, AND STREET CROSSINGS IN COMPLIANCE WITH ADA STANDARDS AND REQUIREMENTS.
- 10. ALL FORMS AND COMPACTION SHALL BE INSPECTED PRIOR TO ANY CONCRETE POUR OR ASPHALT BEING PLACED.
- 11. ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW-CUT OR WHEEL-CUT AND REMOVED TO CLEAN STRAIGHT LINES WITH NO OVERCUT.
- 12. ALL CONCRETE CURB AND GUTTER FLOW LINES WITH LESS THAN 1% GRADE SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO ENSURE PROPER DRAINAGE WITHOUT UNACCEPTABLE HIGH OR LOW SPOTS.
- 13. AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC EMULSION.
- 14. WHERE EXISTING PAVEMENT OR SUBGRADE IS FOUND TO BE UNSTABLE, THE CONTRACTOR SHALL REMOVE AND REPLACE A MINIMUM OF 1 FOOT OF SUBGRADE WITH CRUSHED MISCELLANEOUS BASE (CMB) AND COMPACT TO 95% OF MAXIMUM DRY DENSITY OBTAINABLE AS MEASURED BY ASTM D-1557. IF SHALLOW UTILITIES PREVENT REMOVAL OF SUBGRADE SOIL, A WOVEN GEOFABRIC SHALL BE USED TO PROVIDE STRENGTH TO THE SUBGRADE.
- 15. EXPANSION JOINTS PERPENDICULAR TO THE CURB SHALL BE INSTALLED IN COMBINED CURB AND GUTTER AT THE BCR, ECR, BC, EC, AND AT LOCATIONS WHERE THE CURB JOINS EXISTING STRUCTURES. LONGITUDINAL EXPANSION JOINTS SHALL BE INSTALLED WHERE THE CURB BUTTS AGAINST ANY EXISTING STRUCTURE.
- 16. THE EXACT LOCATIONS AND LIMITS FOR THE REMOVAL AND CONSTRUCTION OF SIDEWALKS AND CURB AND GUTTER SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 17. PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT, STRIPING, AND STENCILING WITHIN THE PROJECT AREA SHALL BE RESTORED TO LIKE NEW CONDITION TO THE SATISFACTION OF THE ENGINEER. PAVEMENT MARKING MATERIAL FOR TRAFFIC STRIPING ON PUBLIC ROADS SHALL CONFORM TO SECTIONS 210 AND 214 OF THE LATEST VERSION OF THE GREENBOOK.
- 18. ALL TRAFFIC MARKING AND STRIPING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE LATEST EDITION OF THE CAMUTCD, THE GREENBOOK, AND CALTRANS STANDARD PLANS.
- 19. AT LEAST 72 HOURS SHALL ELAPSE FROM THE TIME CONCRETE IS PLACED BEFORE VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL ON IT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 20. ALL UTILITY BOXES SHALL BE ADJUSTED TO THE NEW FINISHED GRADE. DAMAGED BOXES SHALL BE REPLACED. KEEP ALL UTILITY BOXES OUT OF DRAINAGE FLOW LINES, CURB RETURNS, DRIVEWAY APPROACHES, AND CURB RAMPS UNLESS APPROVED BY THE CITY ENGINEER.
- 21. ALL FILL SOILS OR SOILS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D-1557.
- 22. ALL PORTLAND CEMENT CONCRETE (PCC) AND ASPHALTIC CONCRETE (AC) SHALL BE REMOVED TO A SAWCUT, COLD JOINT, OR SCORE MARK. NO FLOATER SLABS LESS THAN THE MINIMUM INDICATED IN THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLANS 115 117. PCC AND AC REMOVALS SHALL BE SAWCUT A MINIMUM OF 2 INCHES IN THE NECESSARY WORK AREA. SAWCUT SLURRY SHALL BE REMOVED WITH THE VACUUM MACHINE AND DISPOSED OF PROPERLY. NO SLURRY SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM.
- 23. SHOULD ANY LINEAR OR AREA TRENCH JOINT BE LOCATED WITHIN 2 FEET (AC PAVEMENT) OR 3 FEET (PCC PAVEMENT) OF AN EXISTING PAVEMENT PATCH AND/OR CURB AND GUTTER ALIGNMENT, THE ADJACENT PAVEMENT SECTION/PATCH SHALL BE REMOVED AND REPAVED ALONG WITH THE TRENCH PAVEMENT RESTORATION.
- 24. ALL DAMAGED AND/OR REMOVED DRIVEWAY APPROACH, PCC SIDEWALK, OR CURB AND GUTTER SHALL BE RECONSTRUCTED TO GREENBOOK STANDARDS.
- 25. RAMP ASPHALT AT EXISTING DRIVEWAYS, GUTTERS, ETC. FOLLOWING MILLING OPERATIONS TO PROVIDE ACCESS IF PAVING IS NOT SCHEDULED FOR THE SAME DAY.

- 26. ALL EXCAVATIONS SHALL BE APPROPRIATELY SHORED AND PLATED OR BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPENED TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. PLATES SHALL BE TACK WELDED, PINNED, AND/OR SECURED IN PLACE BY ANOTHER METHOD APPROVED BY THE INSPECTOR OR ENGINEER.
- 27. TRAFFIC PLATES ON EXCAVATED AREAS SHALL BE SKID RESISTANT, WITH MINIMUM COEFFICIENT OF FRICTION EQUIVALENT TO 0.35 PER CALIFORNIA TEST METHOD 342. STEEL PLATES BRIDGING SHALL BE STEEL OF MINIMUM A36 GRADE FOR HS20 TRUCK LOADING PER CALTRANS BRIDGE DESIGN SPECIFICATION MANUAL.
- 28. TRAFFIC STRIPING, MARKINGS, AND RAISED PAVEMENT MARKERS DAMAGED DURING CONSTRUCTION SHALL BE REINSTALLED IN KIND OR AS DIRECTED BY THE ENGINEER AND NOTED IN THE SPECIAL PROVISIONS. ALL NEW STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED AND APPROVED.

	No.	REVISIONS DESCRIPTION	DATE) 		MOSA BEACH S DEPARTMENT		GENERAL CONSTRUCTION NOTES (CONTINUED)	SHEET DESIGNATION
CALL TOLL FREE				REVIEWED BY:		RECOMMENDED BY:		GREENWICH VILLAGE NORTH	
Know what's below. Call two working before you dig Underground Service Alert					DATE		DATE	UNDERGROUND UTILITIES ASSESSMENT DISTRICT	SHT. <u>3</u> of <u>36</u>







PRECAST TUB-TYPE VAULTS WITH COVER RESTRAINTS

CONSTRUCTION NOTES:

3. CONDUIT RADIUS REQUIREMENTS:

4. EXCAVATION AND BACKFILL:

a: The minimum radius for bends are:

Edison conduit or structures.

60" for 6" diameter conduit

and/or imported backfill, when required.

shall conduit be left exposed over 24 hours.

1. FOR GENERAL SPECIFICATIONS SEE UGS GI 001.

. For the type of conduit for this job, See UGS CD 110.1.

Install all risers per UGS CD 160, 161, 162 and 170.

36" for conduits 3" in diameter or smaller 48" for conduits 4" and 5" in diameter

Unless otherwise specified on the working drawing which forms a part of the specification, the Contractor/Developer shall furnish the following items at no cost to the Edison Company.

Failure of SCE to show all substructures in their correct location will not be a basis for a claim for extra work, and the

Minimum cover on private property is 30" below finished grade, unless noted otherwise.
 Contractor is to furnish and install approved conduit to Edison specifications per UGS CD 100.1, 110 AND 120.

g. Install blank conduit plugs in all conduits terminating into Vaults, Manhole's, PMH's, SOE's & all cap locations, per UGS CD 180.1 & UGS CD 180.2

install pull rope in all conduit runs. Pull rope to be at least 3/8" polypropylene rope, braided or twisted.

Southern California Edison Company has attempted to correctly show all existing utilities and substructures in the vicinity of the work, but does not guarantee there are no other substructures in the area.

contractor shall be responsible for all damages to substructures whether shown or not.

a. Minimum cover in street or parkway is 30" below gutter grade, unless noted otherwise.

. Cap all mainline conduits per UGS CD 148 and service conduits per UGS CD 150.

b: The minimum radius for all sweeps of all mainline conduits is 12'-6" (unless noted otherwise).

cables. After this point, no rocks larger than 12" diameter are permitted.

a. All substructures shall be constructed or installed to Edison specifications.

. All conduit lines and concrete floored substructures shall be water tight.

All permits necessary for excavation shall be provided by the Contractor/Developer.

d. All grounding materials shall be furnished and installed by the Contractor.

Refer to Edison Inspector for typical space requirements.

that would obstruct the loading or unloading of equipment.

Contractor. See UGS GI 001, section 2.3.

15. TELEPHONE AND OTHER UTILITY REQUIREMENTS:

requirements are available upon request.

Duct and Structure Inspector: MARIO SAUCEDO

Cabling Construction Coordinator: MARIO SAUCEDO

concerned.

16. OWNERSHIP:

D05: Rev. 07/21/16

CONDUIT _

CONTRACTOR

PERMIT NUMBER

DATE STARTED

PRECASTER

DATE COMPLETED .

COST PLUS | FIRM |

INCLUDES PERM. PAVING YES

JNDERGROUND SERVICE ALER

Contact USA

Dial 811 or 800-422-4133

For Underground Locating

Two Working Days Before You Dig

a. Work area shall be cleared and rough graded to within four inches of final grade prior to installation of

b. All excavations shall be in accordance with the California State Construction Safety Orders (when applicable)

Edison specifications, and all governing local ordinances.
c. Each trench to be a uniform depth below final grade prior to installation of Edison conduit or structures.

d. Backfill shall be provided by the Contractor for all excavations and shall include crushed rock, concrete,

e. Backfill with a MiNIMUM of one sack per yard sand cement slurry around and over vaults and manholes per UGS GI 030, section 6.4 and around PMH's within one foot of finished grade, per UGS SS 590.1. f. Backfill, per Edison specifications, shall immediately follow conduit or substructure installation. At no time

g. No rocks are allowed within 12 inches of direct—buried cables or any conduit without concrete encasement. Native backfill capable of passing through a one—half inch mesh screen shall be considered to be "rock free".

h. All backfill shall be compacted to meet or exceed local ordinances or other requirements. It shall be placed

Repaying, where required, shall be placed in such a manner that interference with traffic, including

to the Municipality, County, or other authority having jurisdiction and which is acceptable to Edison.

. Install protection barriers per UGS MS 830 when required in areas exposed to traffic, per Edison Inspector.

When required, retaining walls shall be provided by the Developer. Walls are required wherever grade rises more than 18 inches above the structure or 24" above the pad surface at a distance of 5 feet from the same, or in areas subject to erosion. Design and installation must comply with local building ordinances.

Heavy truck access shall be maintained to equipment locations. Structures must be clear of all appurtenances

a. The location of excavations and structures for Edison shall be as shown on the working drawing. No deviation from the planned locations will be permitted unless approved by the Edison Inspector. See UGS GI 001, section 2.2.

Surveying of street improvements, property corners, lot lines, finished grade, etc., necessary for the installation

of underground facilities must be completed and markers or stakes placed prior to the start of the installation.

The Developer shall provide supervision over and coordination among the various contractors working within the

Developer is to deed to the Edison Company all structures shown hereon except those shown as customer owned.

Applicants expressly represent and warrant that all work performed and all material used in meeting Applicants' obligations herein are free from defects in workmanship and are in conformity with Southern California Edison

and shall expire one year from that date. Applicants agree to promptly correct to the Company's satisfaction

and that of any governmental agency having jurisdiction and at Applicant's expense any breach of this warranty which may become apparent through inspection or operation of underground electric system by Company during this

Inspection is required during the construction period. A 48 hour advance notice of intent to start construction

is required from the contractor to the Southern California Edison Company. Standards of Edison construction

Company's requirements. This warranty shall commence upon receipt by Applicants of Company's final acceptance

development in order to prevent damage to Edison facilities. He is responsible for the cost of repairs,

replacement, relocation, or other corrections to Edison facilities made necessary by his failure to provide

The drawing prepared for this job may also cover the facilities to be installed for the telephone company and/or other utility. Any questions concerning details of their installation should be referred to the compar

a. Meters and services shall comply with Edison Electrical Services Requirements.
b. Wiring must be in accordance with applicable local ordinances and approved by local Inspection Authorities.

b. Actual location of obstructions, storm drains, and/or other foreign utilities to be the responsibility of the

In addition, Developer shall maintain the markers during the installation and inspection by Edison.

12. Contractor is to verify location and widths of all sidewalks and driveways prior to street light installation. See UGS CD 175.1, UGS CD 175.2 and UGS CD 175.3.

Grade and property line stakes must show any offset measurements.

supervision or to otherwise comply with these specifications.

in a manner that will not damage the conduit or substructure or allow future subsidence of the trench or

pedestrian traffic, will be kept to a minimum. The Contractor shall establish a program of repaying acceptable

If existing backfill does not pass through a 1/2" screen, place imported sand 3" below and 12" above Edison

For specifications, approved makes, and suppliers, see UGS GI 040

i. All conduit must be mandreled with the approved mandrel UGS CD 197.

inspector to schedule an appointment. Customers may connect to an existing conduit stub without a SCE inspector present.

• Multi-conduit runs/banks are runs of conduit in close proximity to each other and other SCE facilities. A conduit stub is a single empty conduit stub that is not in close proximity to other SCE owned facilities. Refer to the work order map for details.

• Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A., the customer will provide all necessary excavations (with the exception of excavation under pads and primary splice boxes), material (including conduit and structures) and encasement, to be utilized in the intercept/tie-in

• The customer must adhere to all applicable Cal—OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractor(s)).

• Intercept/tie-in work must be coordinated with SCE's civil contractors through the Division Inspector/P-Spec to limit exposure of excavation(s). Customer is responsible for securing excavation(s).

(1) - (199)200 - (599) SERVICE CONDUIT 600 - 799 D84: Rev. 10/26/20

> ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE, HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE

WHERE CONDUITS ARE PICKED UP OR INTERCEPTED, CONDUIT SHALL BE MANDRELLED AND PULL ROPE INSTALLED FROM TERMINAL TO TERMINAL.

THIS PLAN APPROVED AS TO LOCATION AND TYPE OF ELECTRIC SUBSTRUCTURES Dwg./Rev. Developer's Signature Original CHANGES IN THESE PLANS WILL REQUIRE

Phone: 310-502-1029

Phone: 310-502-1029

AN ADDITIONAL 3 TO 4 WEEKS AND CUSTOMER WILL BE CHARGED IN ADVANCE

FOR REQUESTED CHANGES. D26: Rev. 02/12/08

APPROVED FOR CONSTRUCTION

OF CALIFORNIA, JANUARY 2006). REVISION DESCRIPTION 12/15/22 ADDED DET. POLE STATIONS, MINOR CORRECTIONS AM RW TT 2/25/22 QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22 | EK |OF/AR|

DISTI 44	RICT — SOUTH	BAY	PROJ. PHONE		CICCARELLI,	ROBERT	PLANNER MATAS, ANTHONY R PHONE 3106085226 DESIGNER CAMARENA, FRANC	CISCO				
1		SERVICE REQUES	Γ	MSR	NO.	PRODUCT- 180524	1/ 15	ssoc desc 1361592				
	UIT / VOLTA G 16KV	GE		GPS		PRODUCT- 180525		ssoc desc 1361595				
	/ PG NO. TORIA			CIRCU 092	JIT CODE 70	PRODUCT- 180525		ssoc desc 1361595				
INVEN	ITORY MAP S	EE ABOVE	J.P.A.	NO.			PROPOSED CONSTRUCTION (LOCATION)					
F	9/27/23		A. MAT	TAS	A. CHAMBERS	35601						
F	2/9/2023		T.TRA	.N	N.S.EKHTIARI		HERMOSA AVE, 34TH TO 26TH ST					
Р	10/31/22		T. TR	AN	R. WITCHELL		HERMOSA BEACH CA 90254					
В	09/27/21	09/27/21	OF/QUES	S/JT	QUES/EK							
TYPE	DATE	APPROVED BY	CHECKE	D BY	DRAWN BY	PAX #						
	So	uthern Calif	ornia E	Ediso	n Compar	<u> </u>	01					

TYPE OF FACILITY TYPE OF FACILITY -

EDISON REFERENCE RUN NO. — MEMO — DENOTES CONDUIT RUN CONTINUATION FOR CONSTRUCTION INFORMATION

STREET LIGHT D04: Rev. 07/17/07 NO. CONDUIT REQ'D. SIZE OF CONDUIT REFERENCE RUN NO. — MEMO/— DENOTES CONDUIT RUN CONTINUATION

ANY OF THE ABOVE SYMBOLS FOLLOWED BY A ----DENOTES THE FOLLOWING:

D18: Rev. 5/08/2006

DB CONDUIT WITHOUT ENCASEMENT IS ACCEPTABLE FOR PORTIONS OF TRENCH WITH ONLY ONE OR TWO CONDUITS SEMI-ENCASEMENT IS REQUIRED FOR PORTIONS OF TRENCH WITH ONLY THREE OR FOUR CONDUITS

FULL ENCASEMENT IS REQUIRED FOR MORE THAN FOUR CONDUITS

FOR HANDHOLE AND PULLBOX MANUFACTURERS, SEE UGS HP 200.

D41: Rev. 01/21/09

CONCRETE PRODUCTS

Precast concrete item complete with neck. Cover and

inserts may be obtained from any of the following listed

JENSEN PRECAST

14221 San Bernardino Ave., Fontana, Calif. 92335

(800) 257-6100

(800) 626-3860

Phone: (909) 350-4111

OLDCASTLE PRECAST

10650 Hemlock Ave., Fontana, Calif. 92337

Phone: (909) 428-3700

and approved manufactureres:

ALL COVERS TO BE INDENTIFIED WITH "EDISON" IN 2" (MIN) BLOCK RECESSED LETTERS. (SEE NOTE 4.) TYPICAL COVER

TYPICAL HANDHOLE INSTALLATION

SEE UGS HP 205

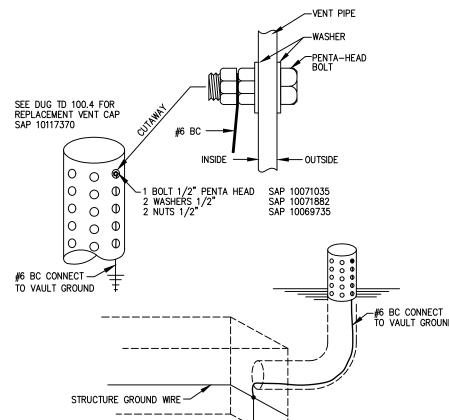
TYPICAL ASSEMBLY (WITHOUT COVER) LOCATE CONDUITS ALONG A NARROW END OF HANDHOLE.

CONDUIT LOCATION SECTION A-A 1. SEE UGS HP 200 FOR DIMENSIONS OF VARIOUS SIZE HANDHOLES AVAILABLE. 2. RADIUS ANGLE MAY BE REDUCED TO LESS THAN 90° PROVIDING THE PROJECTED CENTER LINE OF THE CONDUIT

CLEARS HANDHOLE OPENING 3. TWO HOLD DOWN DEVICES TO BE SUPPLIED WITH EACH HANDHOLE.

4. COVER SHALL BE IDENTFIED WITH "EDISON" IN MINIMUM 2—INCH LETTERS OR LABELS PERMANENTLY SECURED TO THE LID.
5. FOR MAINTENANCE ON 10-1/2" X 17" CONCRETE HANDHOLES USE SWINGBOLT WITH SAP 10204721. D75 REV. 03/18/19

GROUND CONNECTION INSTALLATION IN A PVC VENT SEE UGS AC 760.1



TO ASSIST IN UNDERGROUND STRUCTURE LOCATING FROM THE SURFACE, INSTALL A #6 BARE COPPER WIRE FROM INSIDE THE VENT PIPE TO THE STRUCTURE GROUND SYSTEM. THIS INSTALLATION WILL ALLOW A SINGLE PERSON CREW TO TIE INTO THE SYSTEM GROUND AND LOCATE THE FACILITIES UNAIDED. THE INSTALLATION SHOULD BE MADE DURING NEW CONSTRUCTION, ADDED TO THE APPROPRIATE STRUCTURE

GROUND ROD

1. SPÀCING AND CONCRETE COVERAGE AS SHOWN IS MINIMUM.

3. BASE SPACERS ARE REQUIRED ON ALL BANKS OF MORE THAN FOUR CONDUITS.

A. "EB" (TYPE I) FOR ENCASED AND SEMI-CASED INSTALLATIONS B. "DB" (TYPE II) FOR DIRECT BURIAL

NEUTRAL'IS PRESENT ON AN OVERHEAD STRUCTURE THAT FEEDS A PRIMARY RISER, THE NEUTRAL SHALL BE CONTINUOUS TO THE FIRST UNDFRGROUND STRUCTURE. A BARE COPPER NEUTRAL WIRE, AS SPECIFIED ON THE WORKING DRAWING, SHALL BE PLACED, AND FULLY ENCASED IN CONCRETE, AT THE LOWER REGION OF THE DUCT BANK, PREFERABLY IN-BETWEEN CONDUITS. 8. CONCRETE ENCASEMENT WILL BE KEPT UNIFORM. EXCESSIVE AMOUNTS OF CONCRETE WILL BE AVOIDED.

D70: 10/26/20

DURING THE ROUTINE MAINTENANCE CYCLE, OR AS THE NEED ARISES BY REQUEST FOR ASSISTANCE FROM THE CONTRACT CABLE LOCATING COMPANY.

LEGEND OF DRAFTING SYMBOLS

EDISON CONDUIT (DIST. & SL) ____ CUST. OWNED CONDUIT ----- RESIDENTIAL SERVICE CABLE ---- E ---- EXISTING CONDUIT **STRUCTURES**

> VAULT Φ-PME 3-5 PME 6-12 \blacksquare PULL BOX

HANDHOLE PAD

4'x4' BURD SWITCH ENCLOSURE 36" BURD SWITCH ENCLOSURE BURD TRANSFORMER ENCLOSURE

STREET LIGHT ELECTROLIER C/I METER PANEL

FIRE HYDRANT

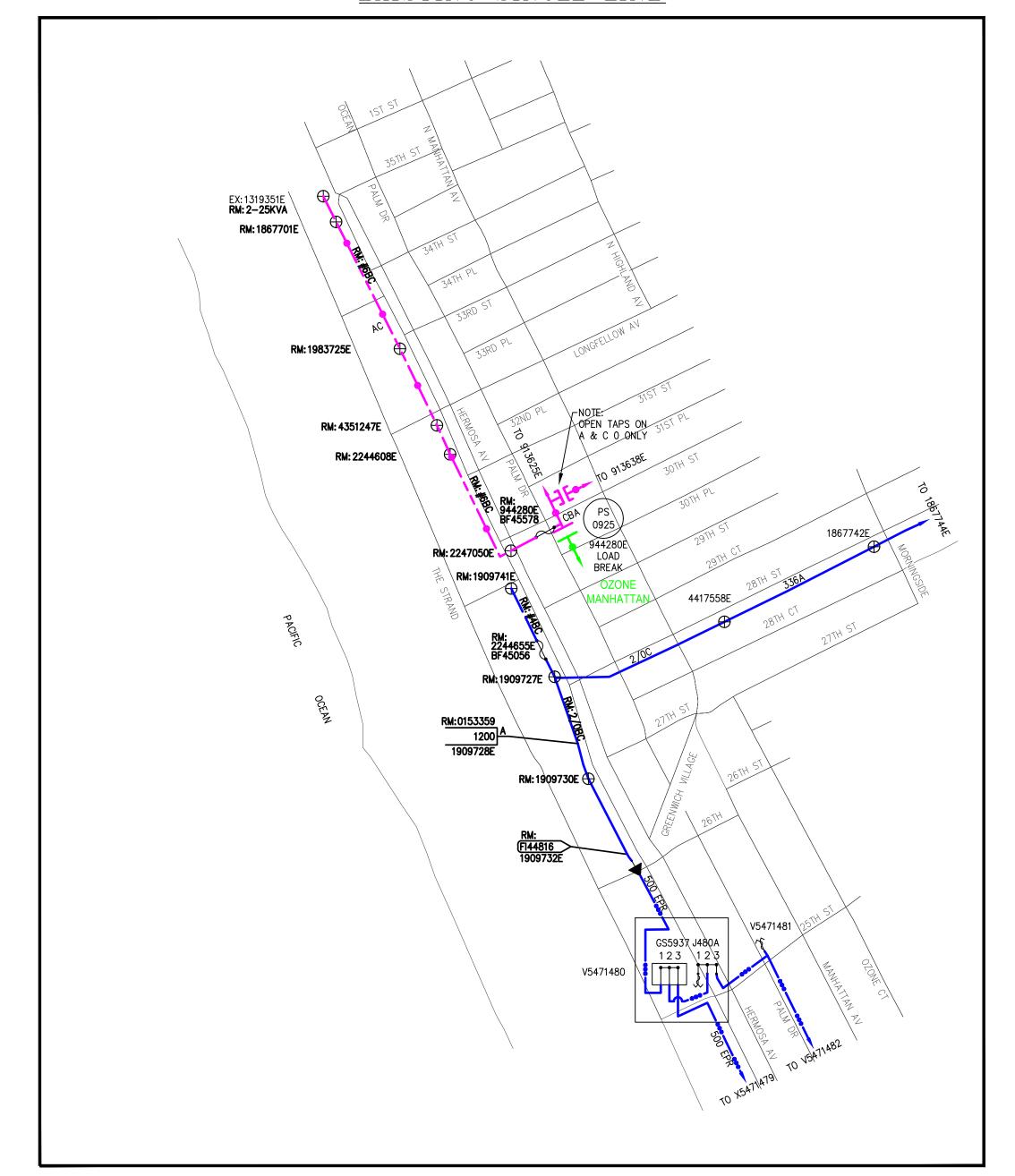
RUN NUMBER CALL-OUTS AS FOLLOWS:

MAINLINE CONDUIT STREET LIGHT CONDUIT

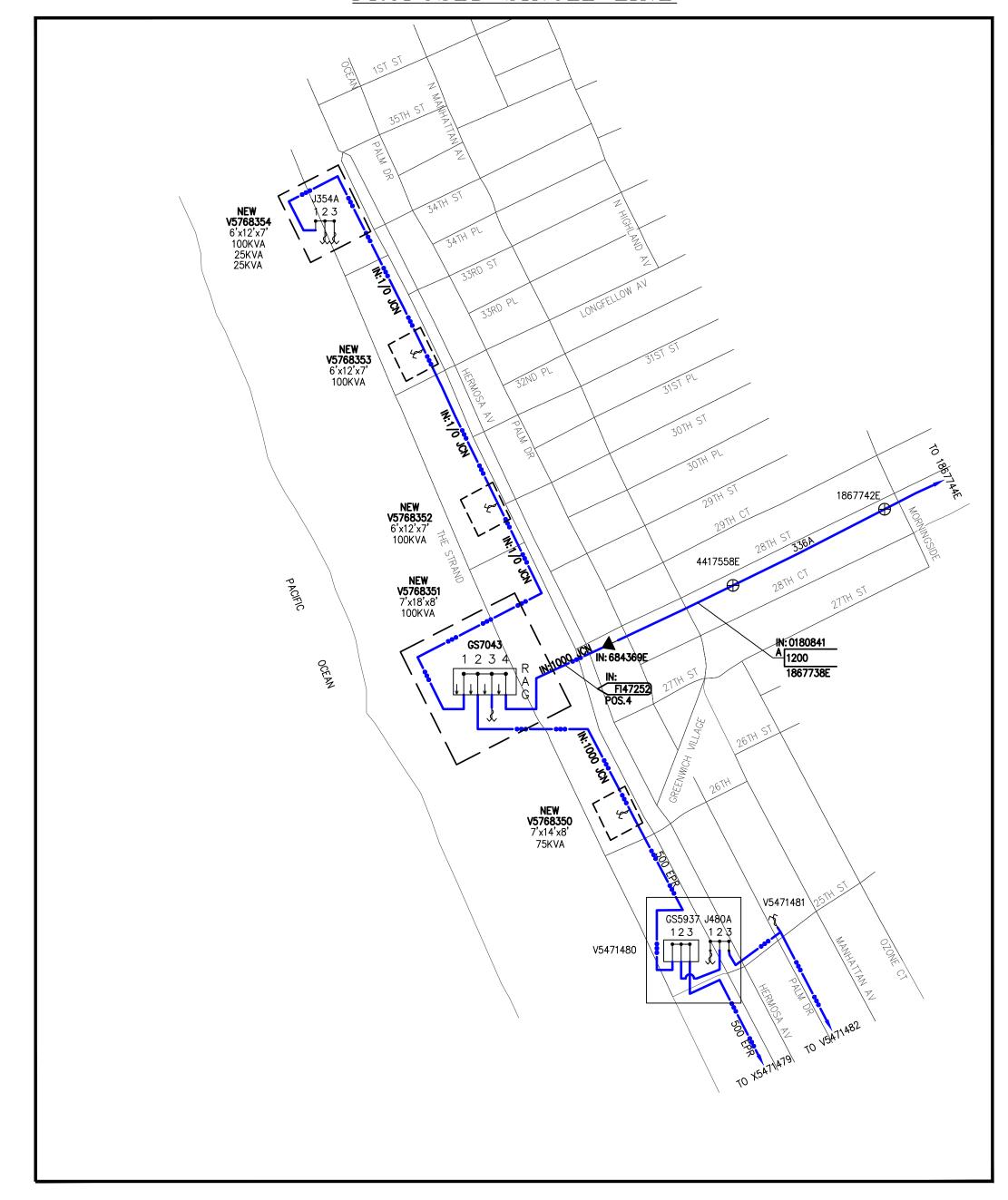
☐ EDISON ☐ APPLICANT

INSTALL METHOD:

EXISTING SINGLE LINE

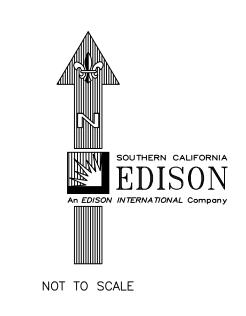


PROPOSED SINGLE LINE



SINGLE LINE LEGEND

CIRCUIT 1 = KING 16KV O/O VICTORIA SUB
CIRCUIT 2 = SOUTH STRAND 4KV O/O MANHATTAN SUB
CIRCUIT 3 = OZONE O/O MANHATTAN SUB



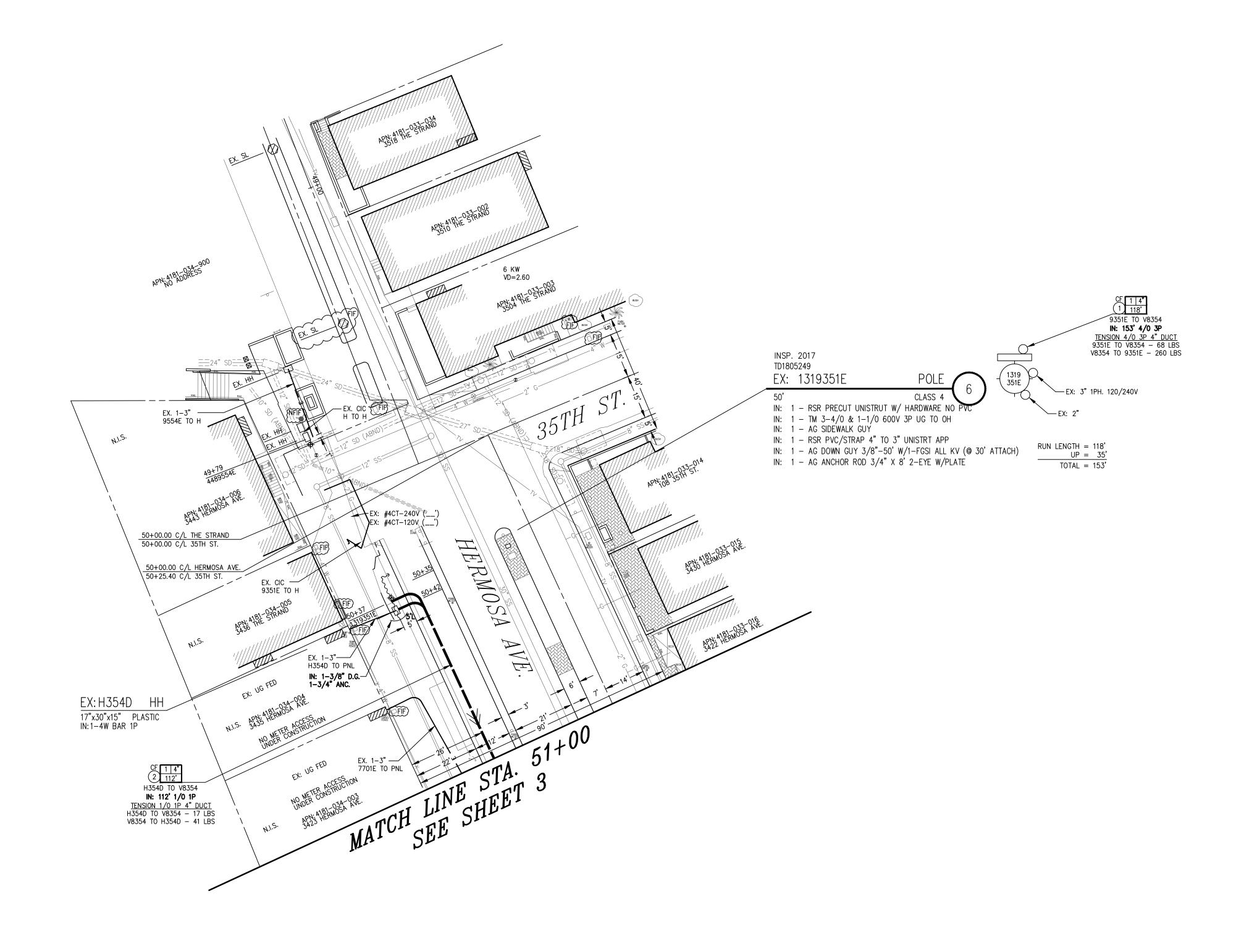
FINAL DESIGN APPROVED FOR CONSTRUCTION

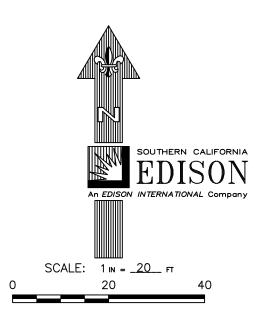
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Two Working Days Before You Dig	12/15/22	ADDED DET. POLE STATIONS, MINOR CORRECTIONS	AM	RW	TT	TYPE	E D
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ת:	DISTR	RICT — SOUTH	I BAY	PROJ. PHONI		CICCARELLI,	ROBERT			NS, ANT 085226		' R	DESIGNER CAMARENA, F	RAN	ICISCO
			SERVICE REQUEST 3025080		MSR	NO.	PRODUCT- 1805249		20E	3–UG	INST	ALL		7	ASSOC DESC 1361592
		JIT / VOLTA G 16KV	AGE		GPS		PRODUCT- 1805252	_						1	ASSOC DESC 1361595
-		/ PG NO. ΓORIA			CIRCU 092	JIT CODE 70	PRODUCT- 1805252	-						1	ASSOC DESC 1361595
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4	Р	10/31/22		T. TR	AN	R. WITCHELL		HERMO)SA	BEAC	CH C	A 90	0254		
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WARNING:

-FIBER OPTICS, TELEPHONE, CATV APPROXIMATE LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.





| CRID MAP NO: LT-6949-F | LT-6949-H | LT-6948-B | LT-7048-A | LT-7049-G | APPROVED FOR CONSTRUCTION

SURVEYED
DATE: 8-30-21

UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133

For Underground Locating
Two Working Days Before You Dig

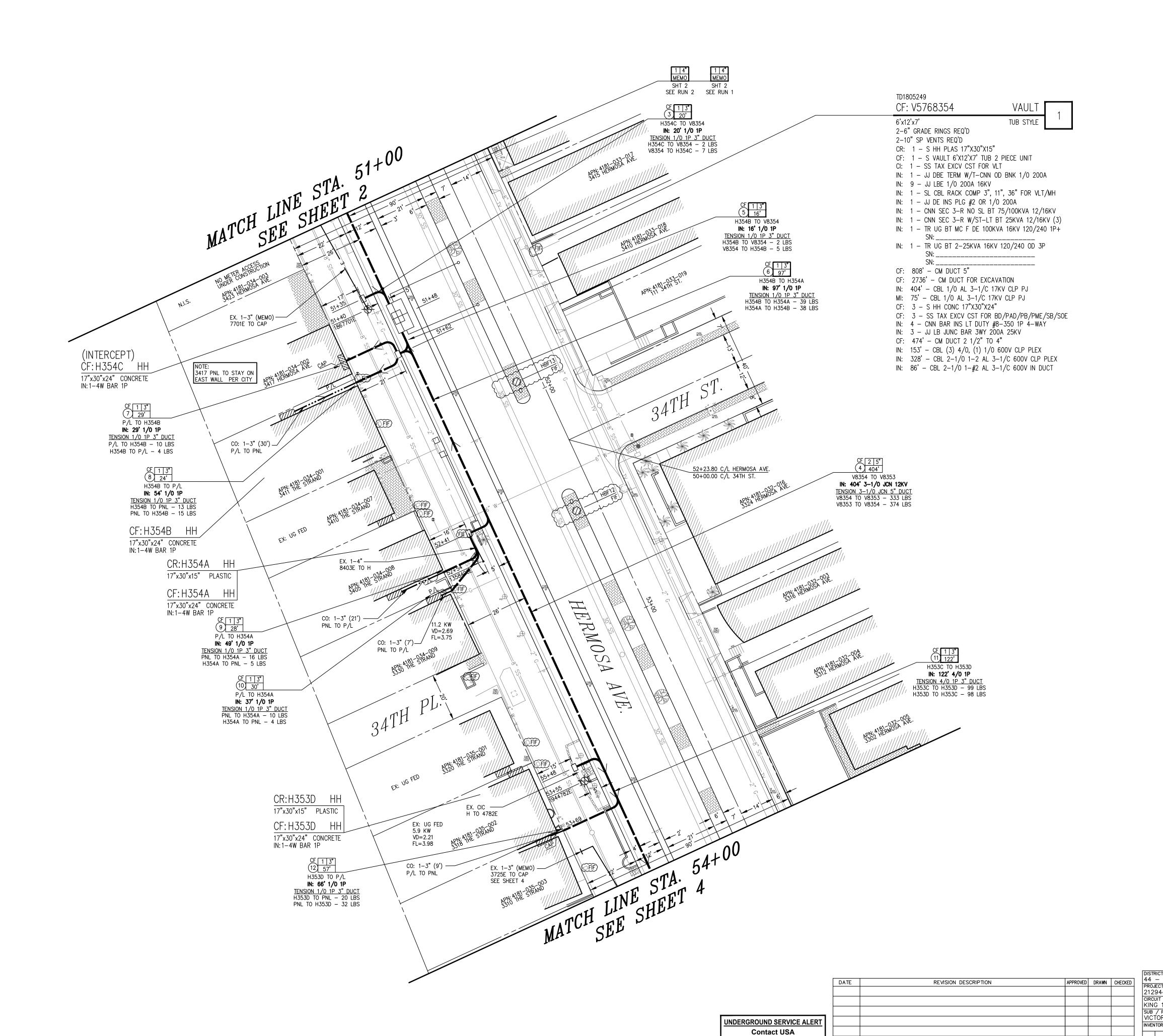
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1.			SERVICE REQUEST 3025080	Г	MSR	NO.		PRODUCT-1 1805249-RULE 20B-UG INSTALL						
		JIT / VOLTA	GE		GPS			PRODUCT-2 1805252						
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WARNING:

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For Underground Locating

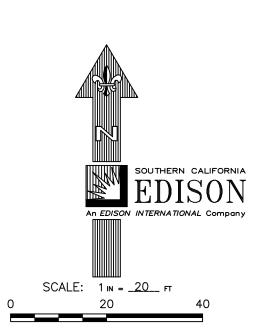
Two Working Days Before You Dig

12/15/22 ADDED DET. POLE STATIONS, MINOR CORRECTIONS

2/25/22 QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22

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DATE: 8-30-21

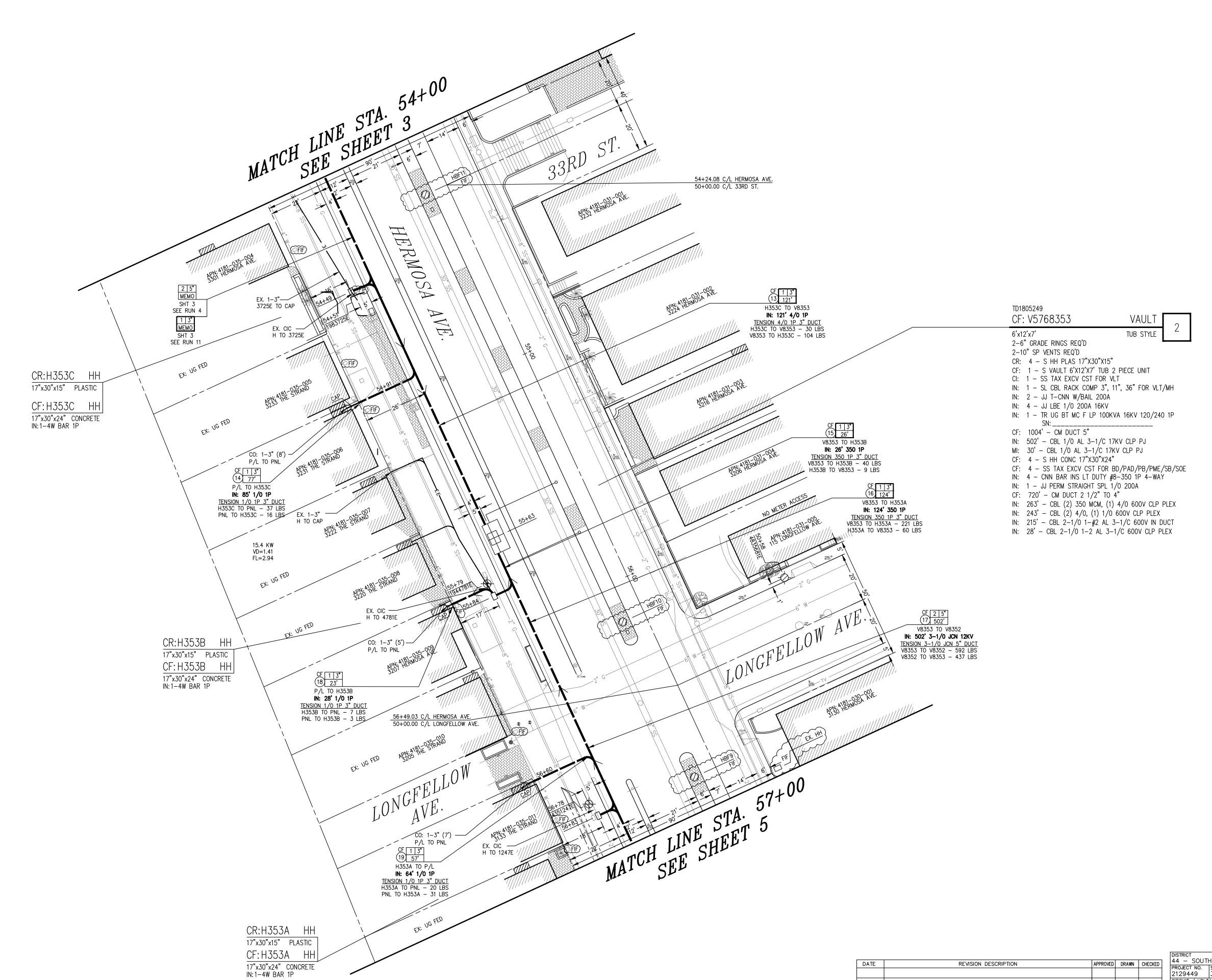


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	SERVICE REQUEST 3025080		MSR	NO.	PRODUCT- 1805249		20E	B-UG INS	TALL		ASSOC DESGN 1361592
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LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.



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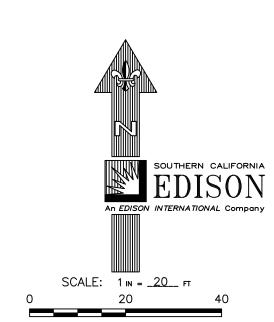
Two Working Days Before You Dig

12/15/22 ADDED DET. POLE STATIONS, MINOR CORRECTIONS

2/25/22 QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22

SURVEYED

DATE: 8-30-21



DESIGN\DRWG NO.

1361592_1.01

GRID MAP NO: LT-6949-F LT-6949-H LT-6948-B LT-7048-A

LT-7048-A3 LT-7049-G APPROVED FOR CONSTRUCTION

PROJ. MGR. CICCARELLI, ROBERT PLANNER MATAS, ANTHONY R PHONE 3106085226 CAMARENA, FRANCISCO

MSR NO. PRODUCT-1
1805249—RULE 20B—UG INSTALL ASSOC DES
136159 DISTRICT

44 — SOUTH BAY

PROJECT NO. | SERVICE REQUEST

2129449 | 3025080

CIRCUIT / VOLTAGE

KING 16KV

SUB / PG NO. PRODUCT-2 1805252 ASSOC DESGN 1361595 1805252 VICTORIA 09270 INVENTORY MAP SEE ABOVE PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT HERMOSA AVE, 34TH TO 26TH ST T.TRAN N.S.EKHTIARI 2/9/2023 HERMOSA BEACH CA 90254 T. TRAN R. WITCHELL OF/QUES/JT

DATE APPROVED BY CHECKED BY DRAWN BY PAX # SHEET

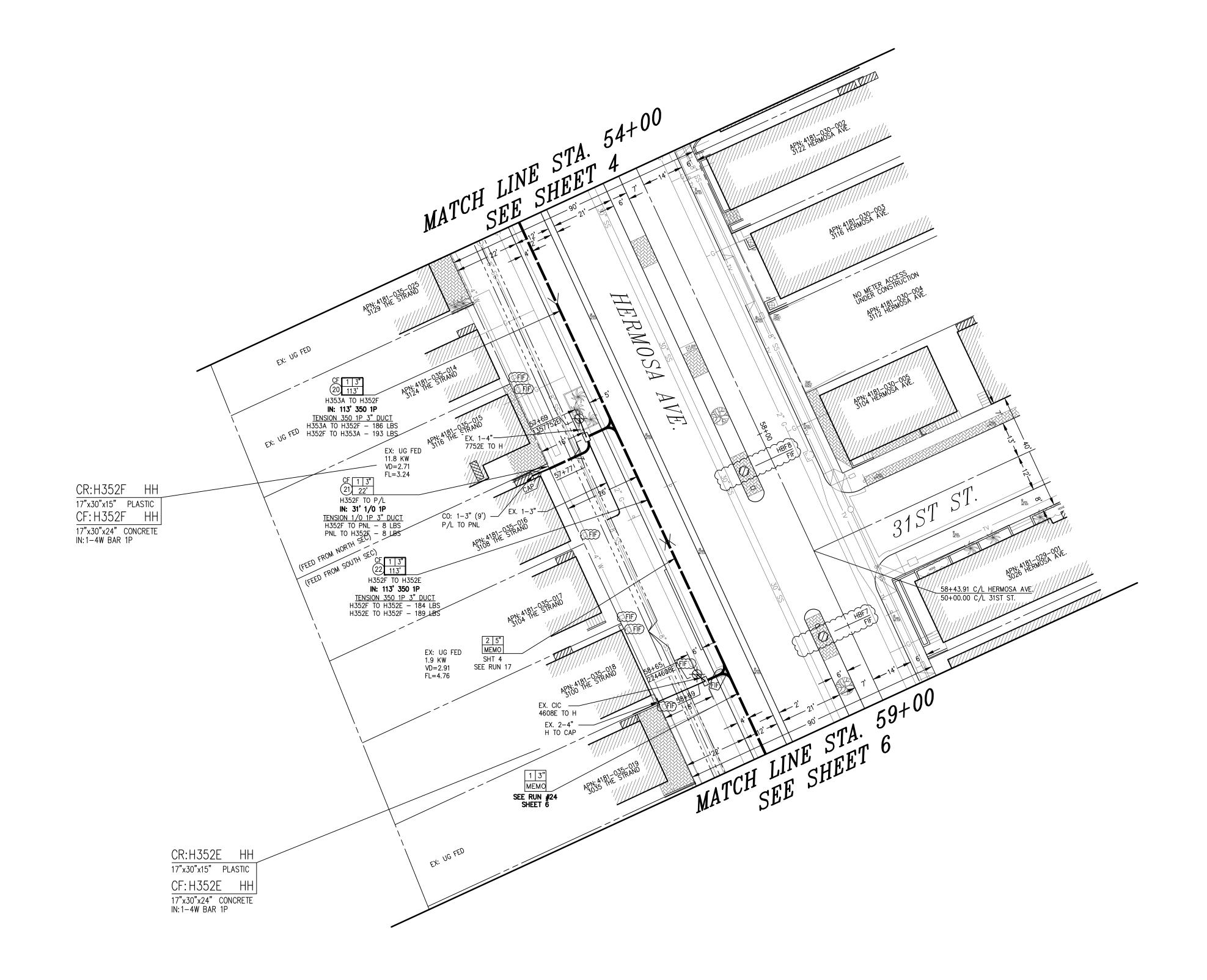
Southern California Edison Company

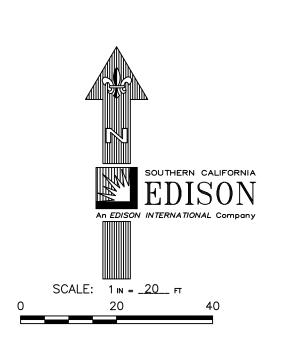
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WARNING:

FIBER OPTICS, TELEPHONE, CATV APPROXIMATE LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.





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DATE: 8-30-21

UNDERGROUND SERVICE ALERT		
Contact USA		
Dial 811 or 800-422-4133		
For Underground Locating		
Two Working Days Before You Dig	12/15/22	ADDED DET. POLE STATIONS, MINOR CORRECTIONS
D16: Rev. 05/28/20	2/25/22	QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22

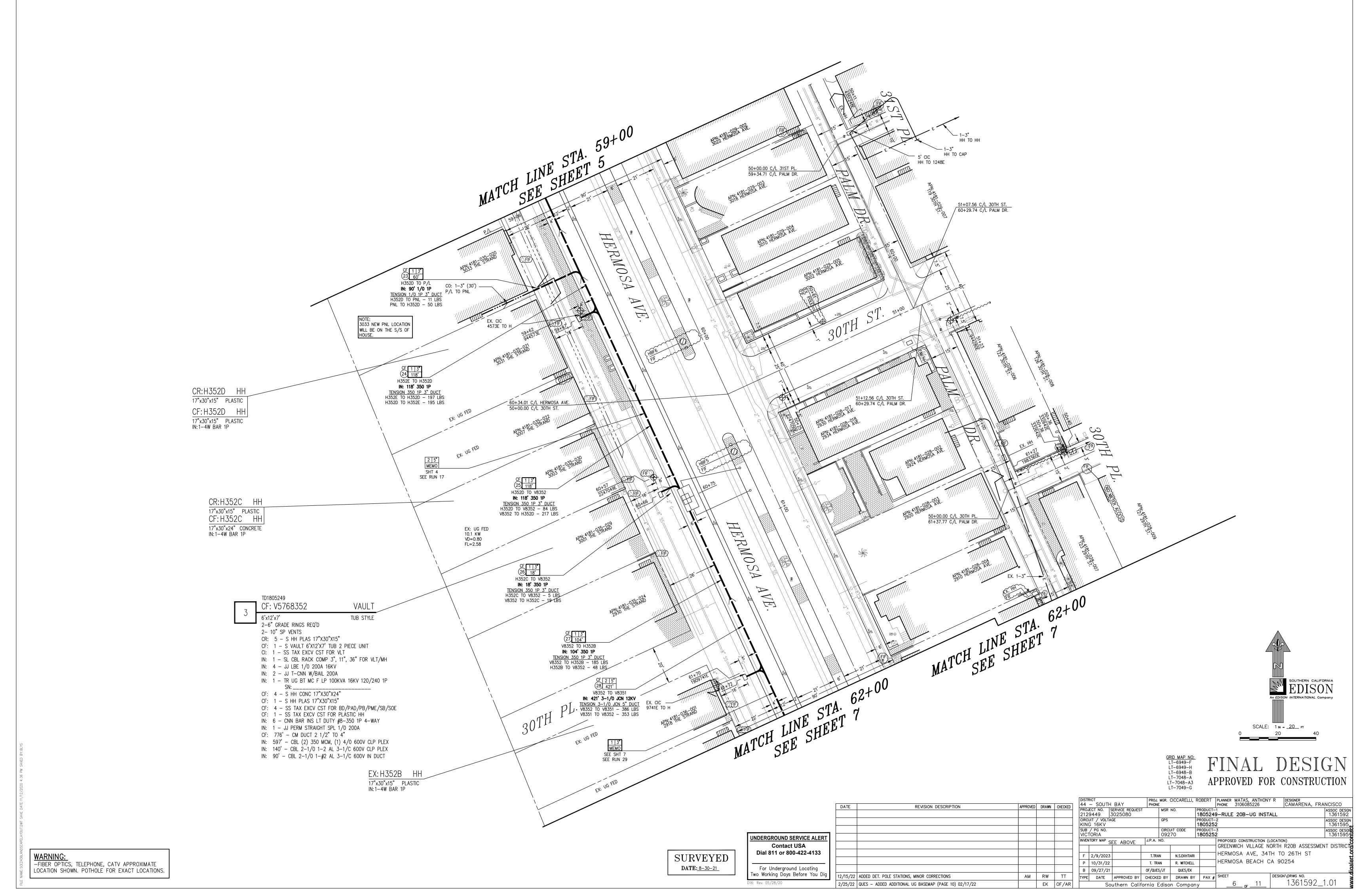
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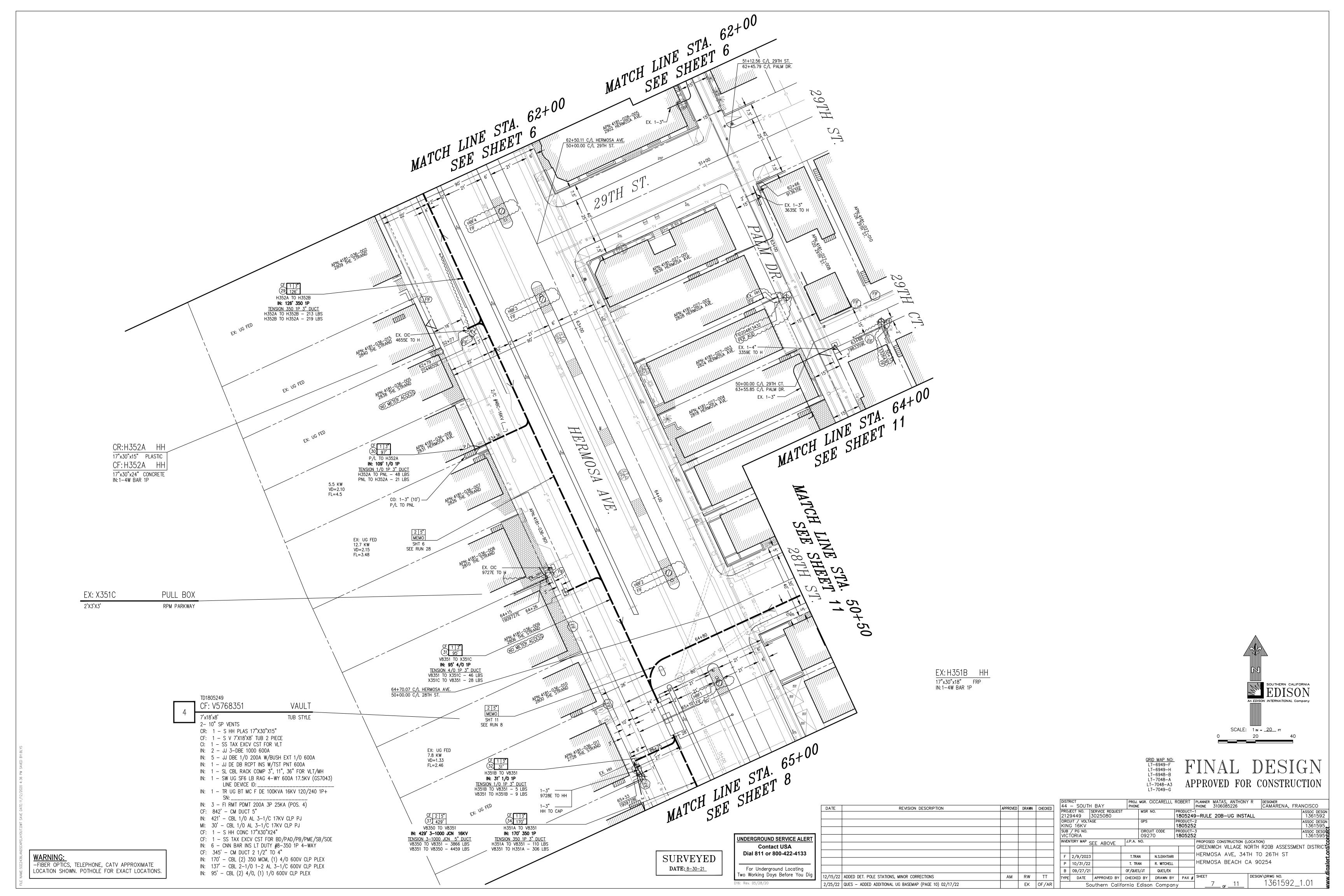
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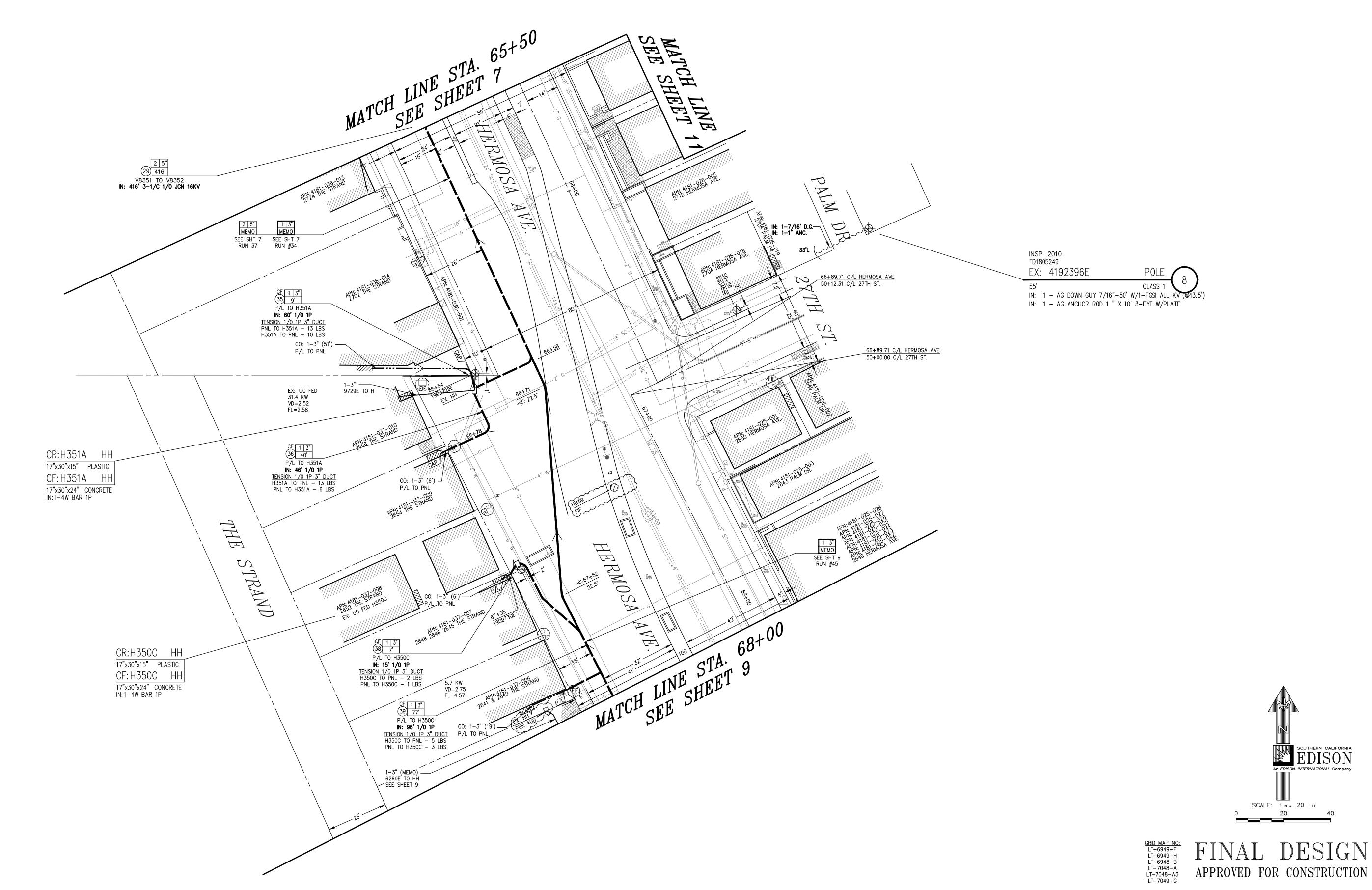
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WARNING:

-FIBER OPTICS, TELEPHONE, CATV APPROXIMATE LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.







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-FIBER OPTICS, TELEPHONE, CATV APPROXIMATE LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.

SURVEYED **DATE:** 8-30-21

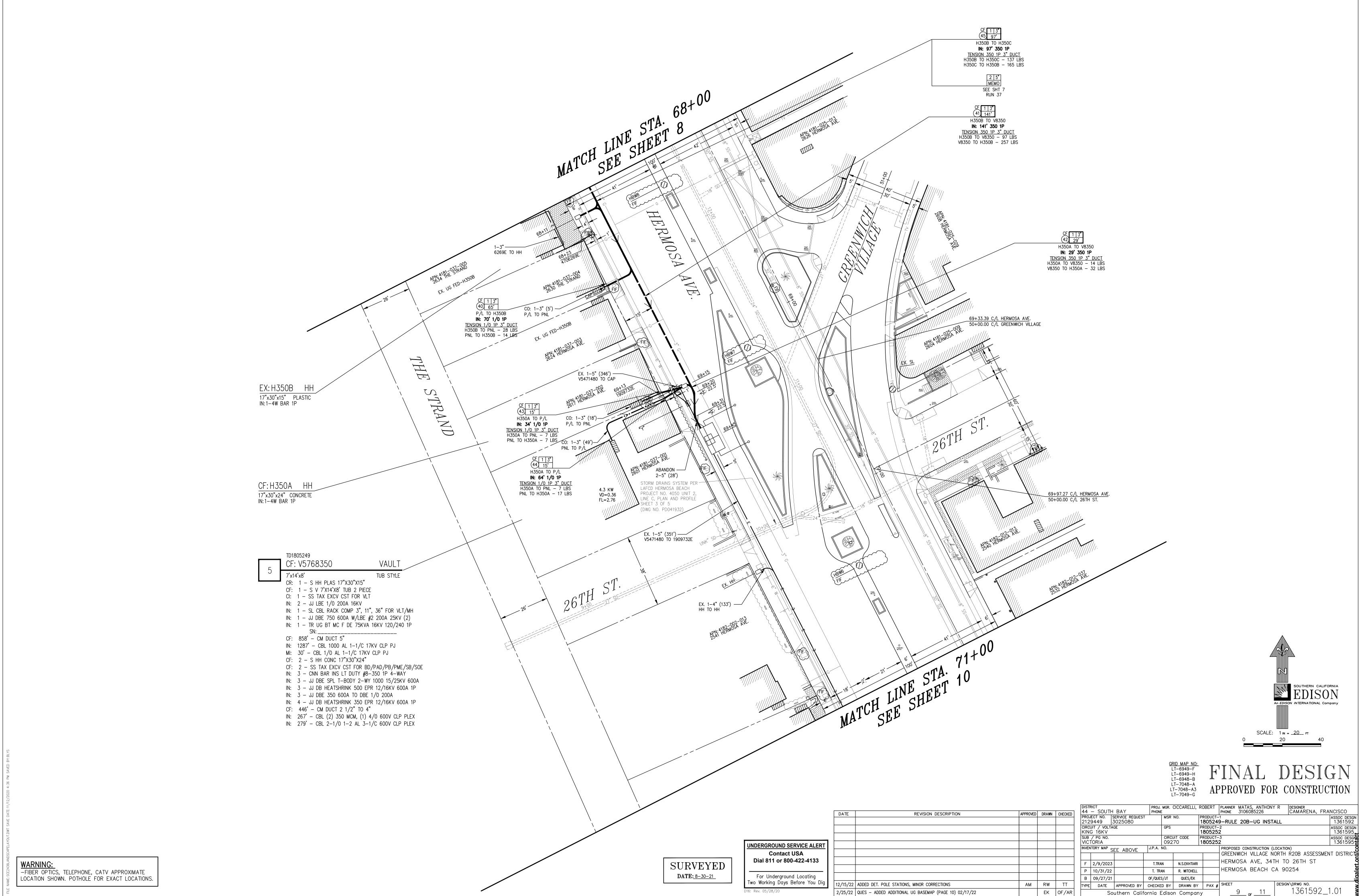
UNDERGROUND SERVICE ALERT Contact USA Dial 811 or 800-422-4133 For Underground Locating Two Working Days Before You Dig

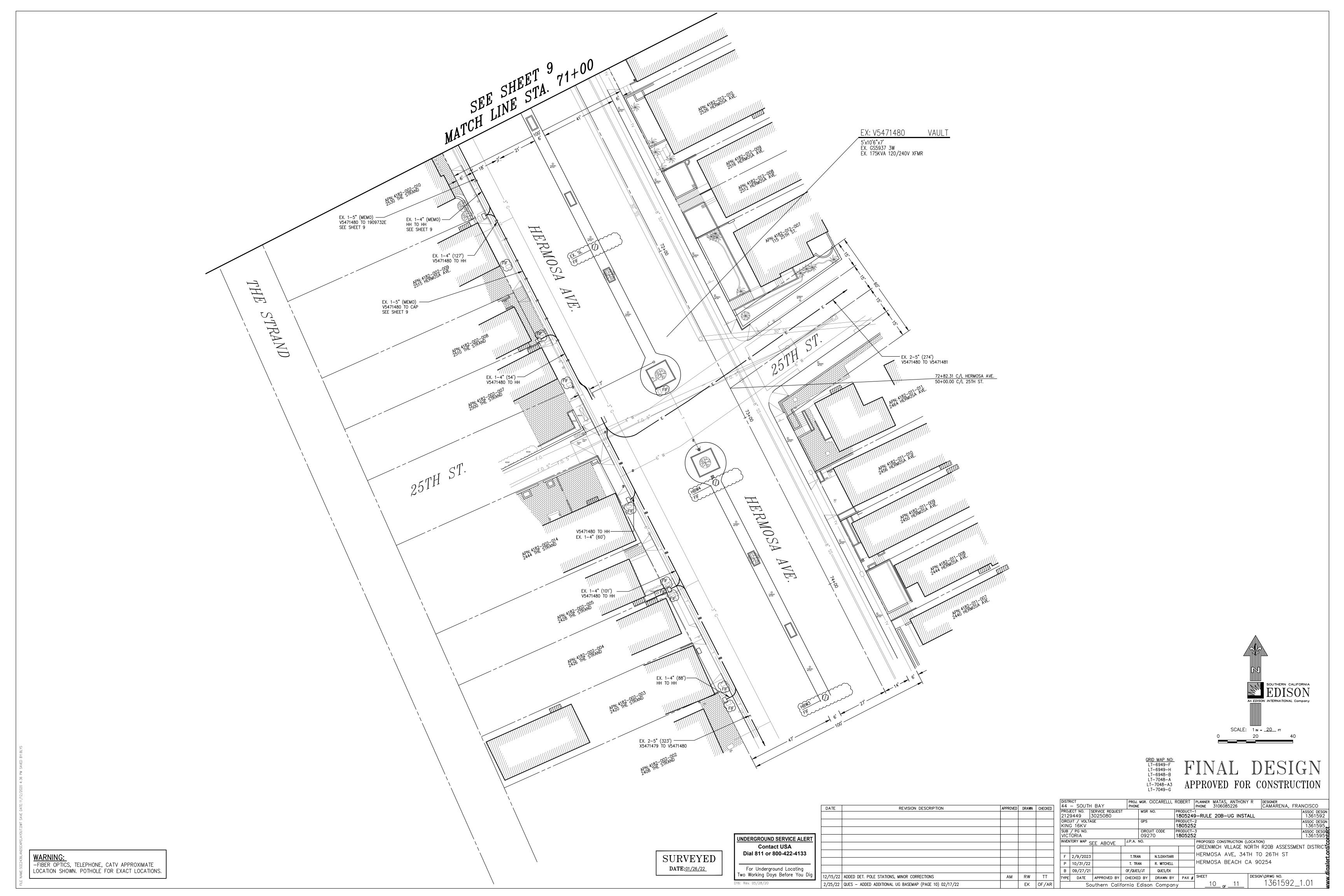
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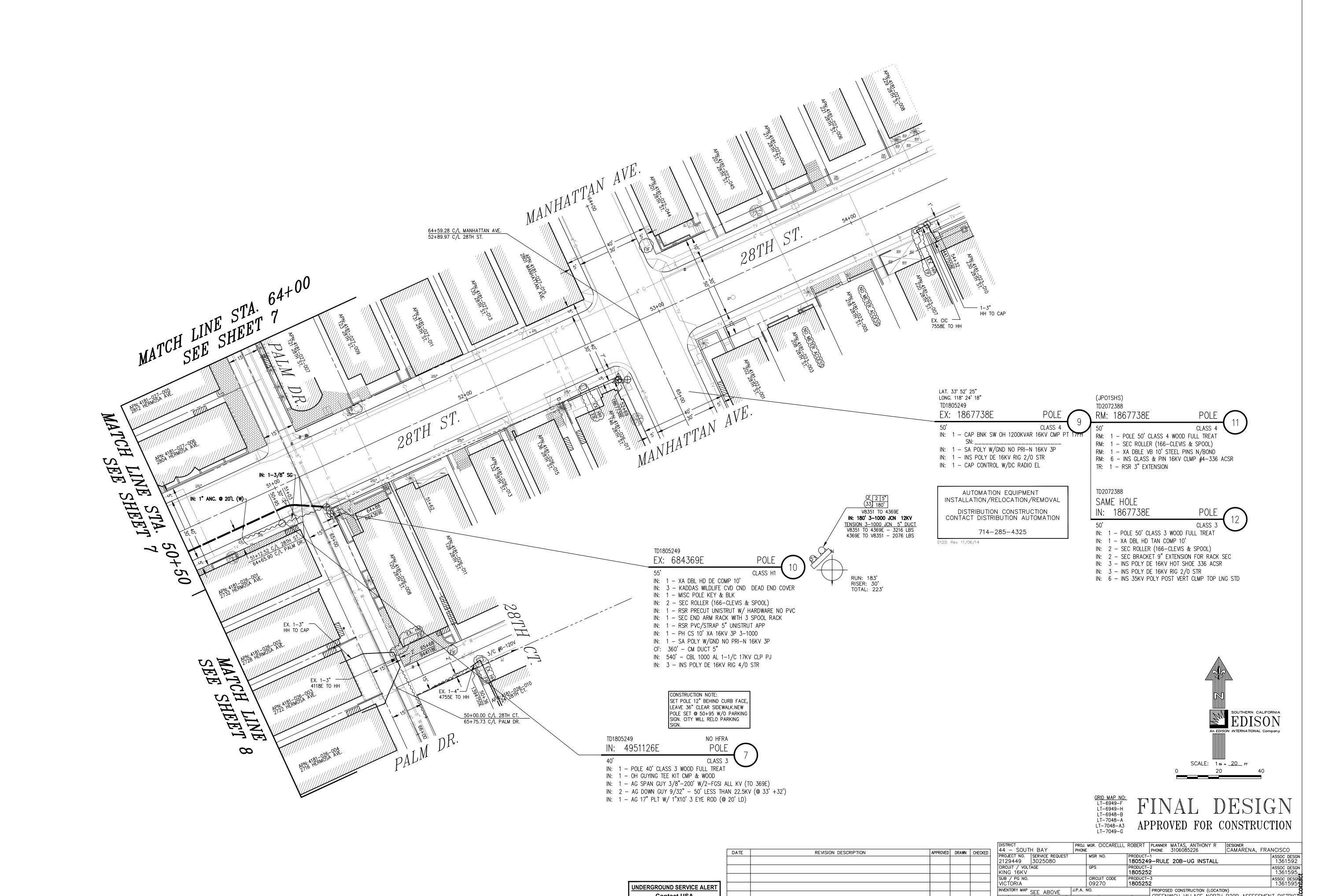
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ROJECT NO. SERVICE REQUEST 3025080					MSR NO. PRODUCT- 180524			·1 9-RULE 20B-UG INSTALL					ASSOC 1 13615	
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IVENTORY MAP SEE ABOVE J.P.A.				NO.	I				TRUCTION (L		i) R20B ASSESS	MEN	T DIST	RICT:
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SOUTHERN CALIFORNIA EDISON INTERNATIONAL COMPANY

SCALE: 1 IN = <u>20</u> FT 20







Contact USA

Dial 811 or 800-422-4133

For Underground Locating

Two Working Days Before You Dig

12/15/22 ADDED DET. POLE STATIONS, MINOR CORRECTIONS

2/25/22 QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22

SURVEYED

DATE: 8-30-21

GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT

DESIGN\DRWG NO.

1361592_1.01

HERMOSA AVE, 34TH TO 26TH ST

HERMOSA BEACH CA 90254

T.TRAN N.S.EKHTIARI

R. WITCHELL

T. TRAN

DATE APPROVED BY CHECKED BY DRAWN BY PAX # SHEET

OF/QUES/JT

Southern California Edison Company

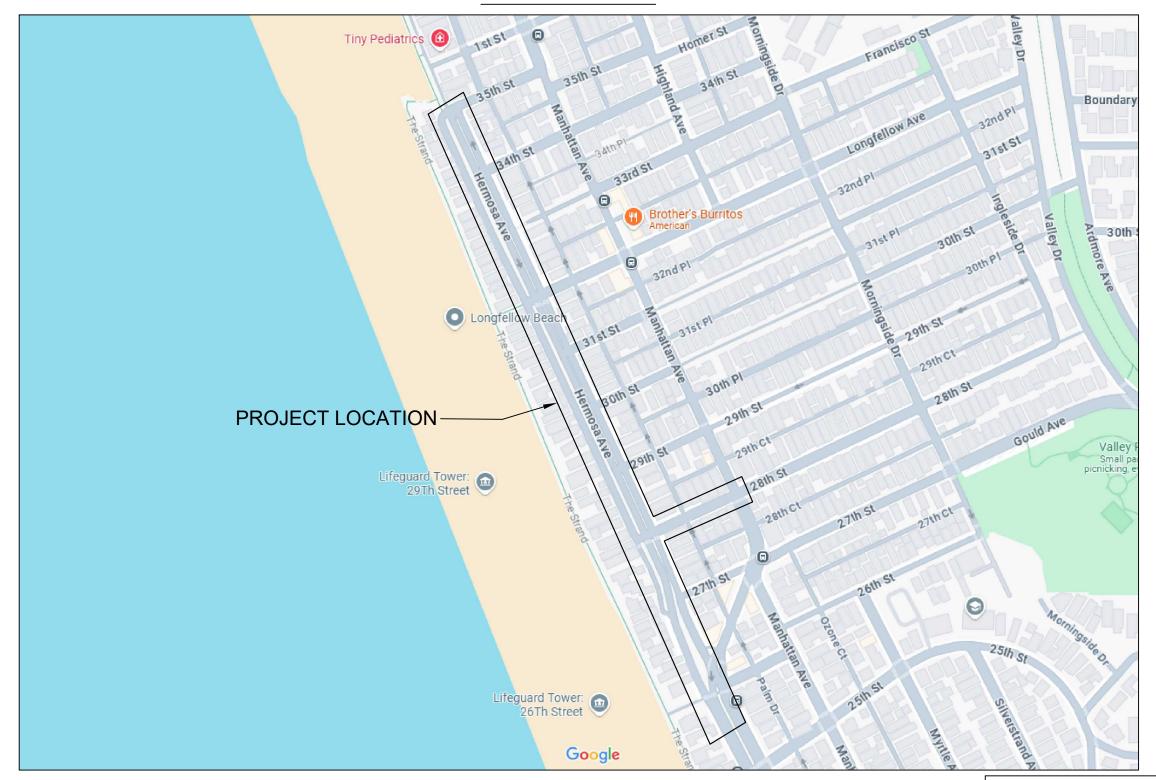
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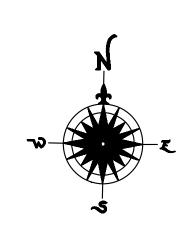
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WARNING: FIBER OPTICS, TELEPHONE, CATV APPROXIMATE LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.

VICINITY MAP





Frontier W.O. TITLE:AND DESCRIPTION

5285914 WO992039

90254

HERMOSA BEACH

ADDRESS

3436 HERMOSA AVE

SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 3436 HERMOSA

CALL 1-800-422-4133 AT LEAST 2 BUSINESS DAYS BEFORE YOU DIG

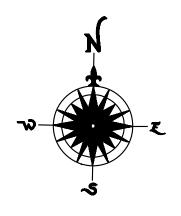
UNDERGROUND

SERVICE ALERT OF SOUTHERN CALIFORNIA

DWG BY: CYIENT

1"=40' 01/20/2025

	LEGEND
FACILITIES	
0	FIRE HYDRANT
	CATCH BASIN
\triangle	SIGN BOARD
	EXISTING HANDHOLE
\(\phi \)	STREET LIGHT
\otimes	POLE
⊗	SEWER MANHOLE
MISCELLANEOUS	
	RIGHT OF WAY/PROPERTY LINE
	CENTER LINE (STREET)
——— SD ———	STORM DRAIN
—— G ——	GAS
—— w ——	WATER
s	SEWER
	EXISTING CONDUIT
	PROPOSED CONDUIT
C/L	CENTER LINE (ABBRV)
R/W	RIGHT-OF-WAY (ABBRV)
FOC/EOP	FACE OF CURB/EDGE OF PAVEMENT
	PROPOSED HANDHOLE
CONDUIT COUNT -	###" CONDUIT SIZE ###" DISTANCE



UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

CALL 1-800-422-4133 AT LEAST 2 BUSINESS DAYS BEFORE YOU DIG

Front	ier
CITY HERMOSA BEACH	W.O. TITLE:AN

5285914_WO992039

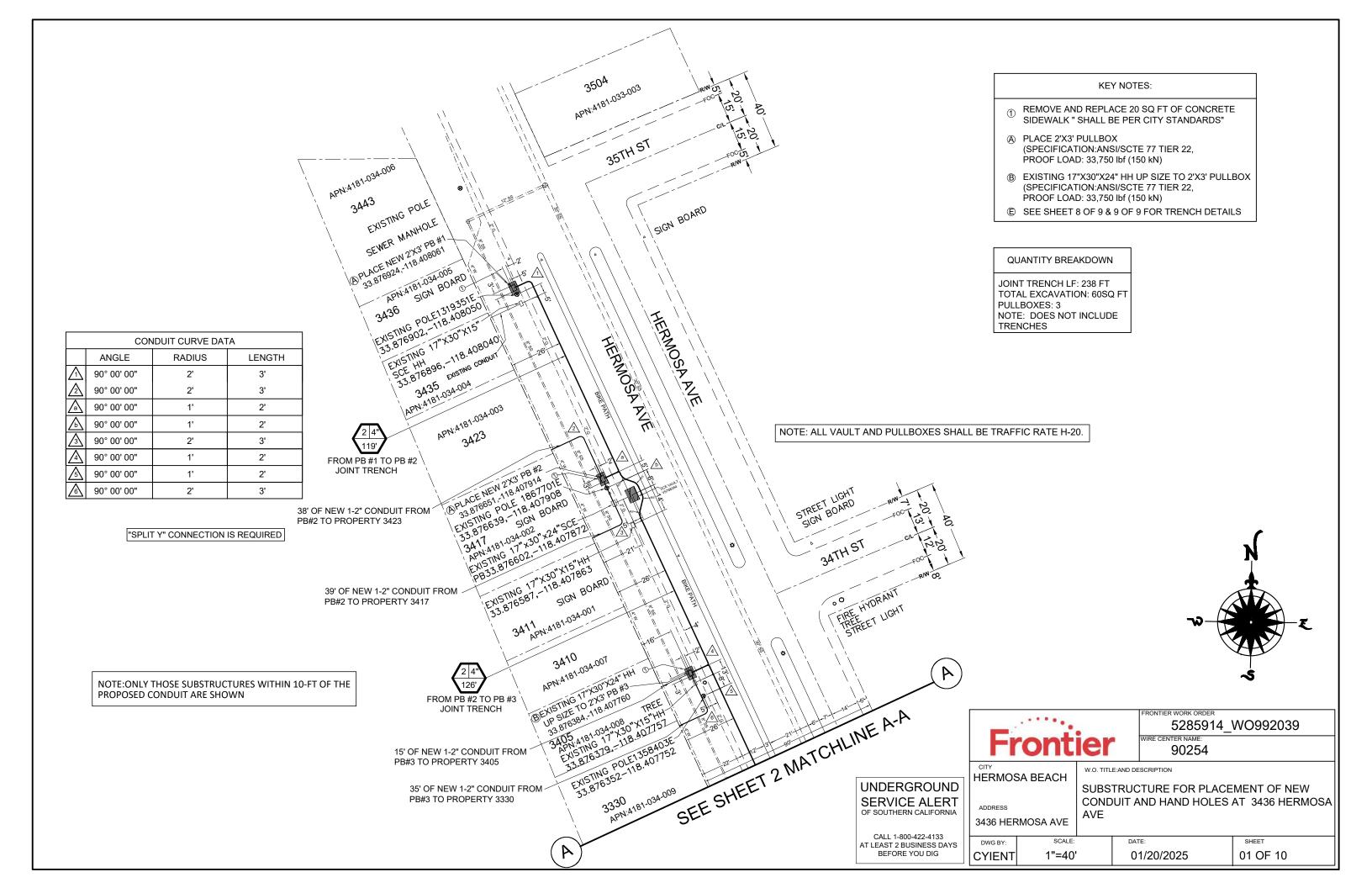
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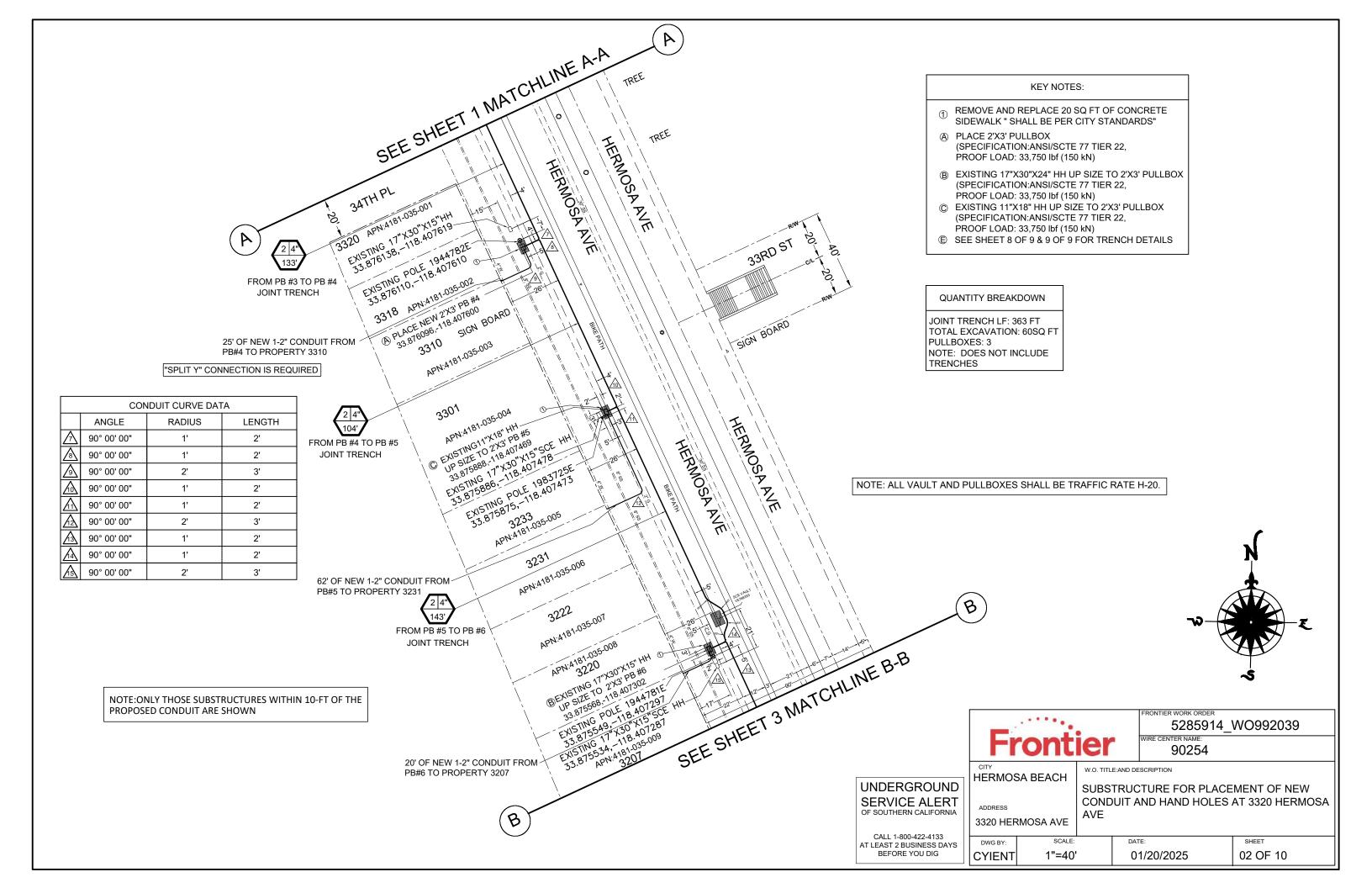
ADDRESS 3436 HERMOSA AVE SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 3436 HERMOSA AVE

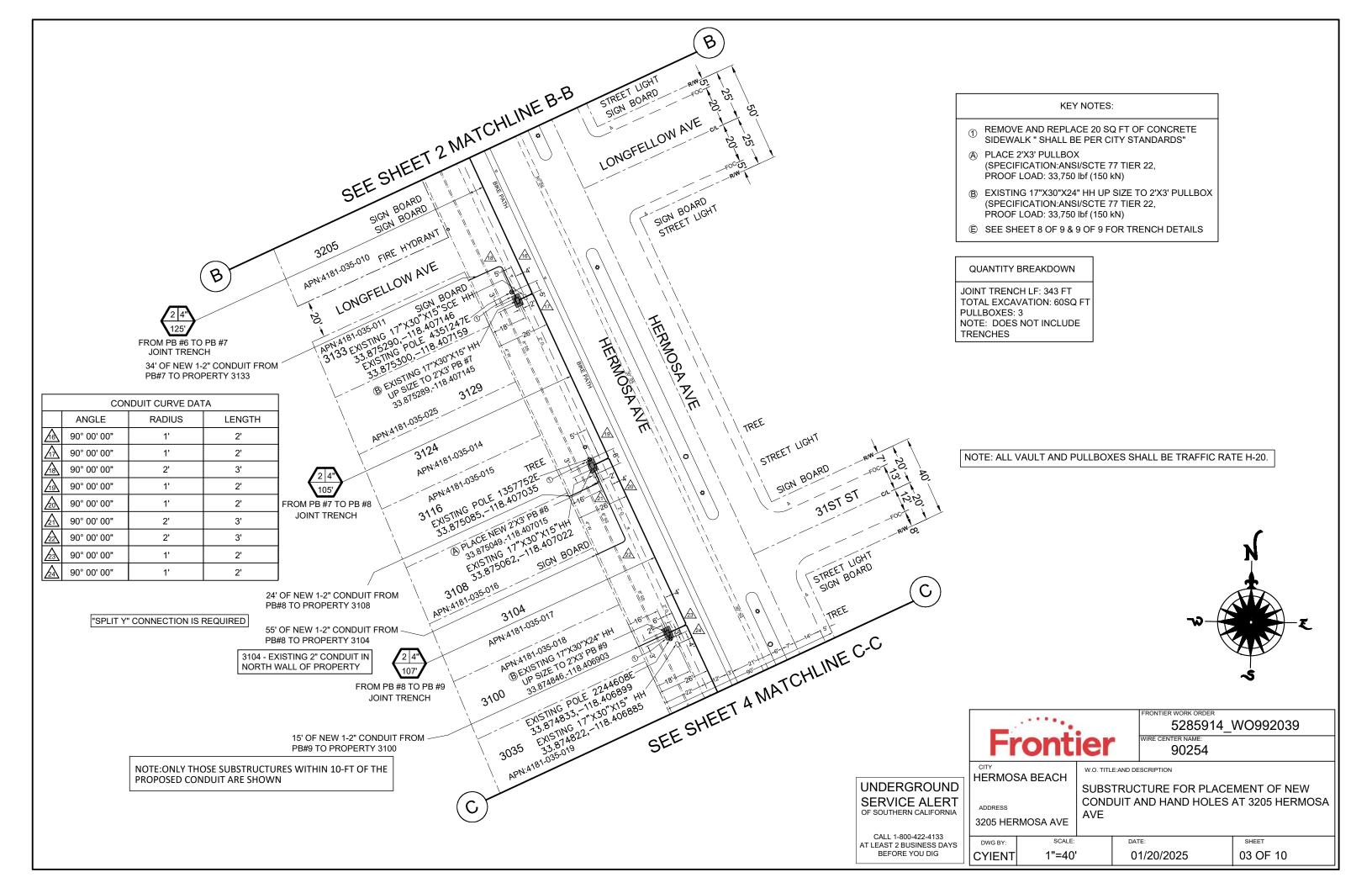
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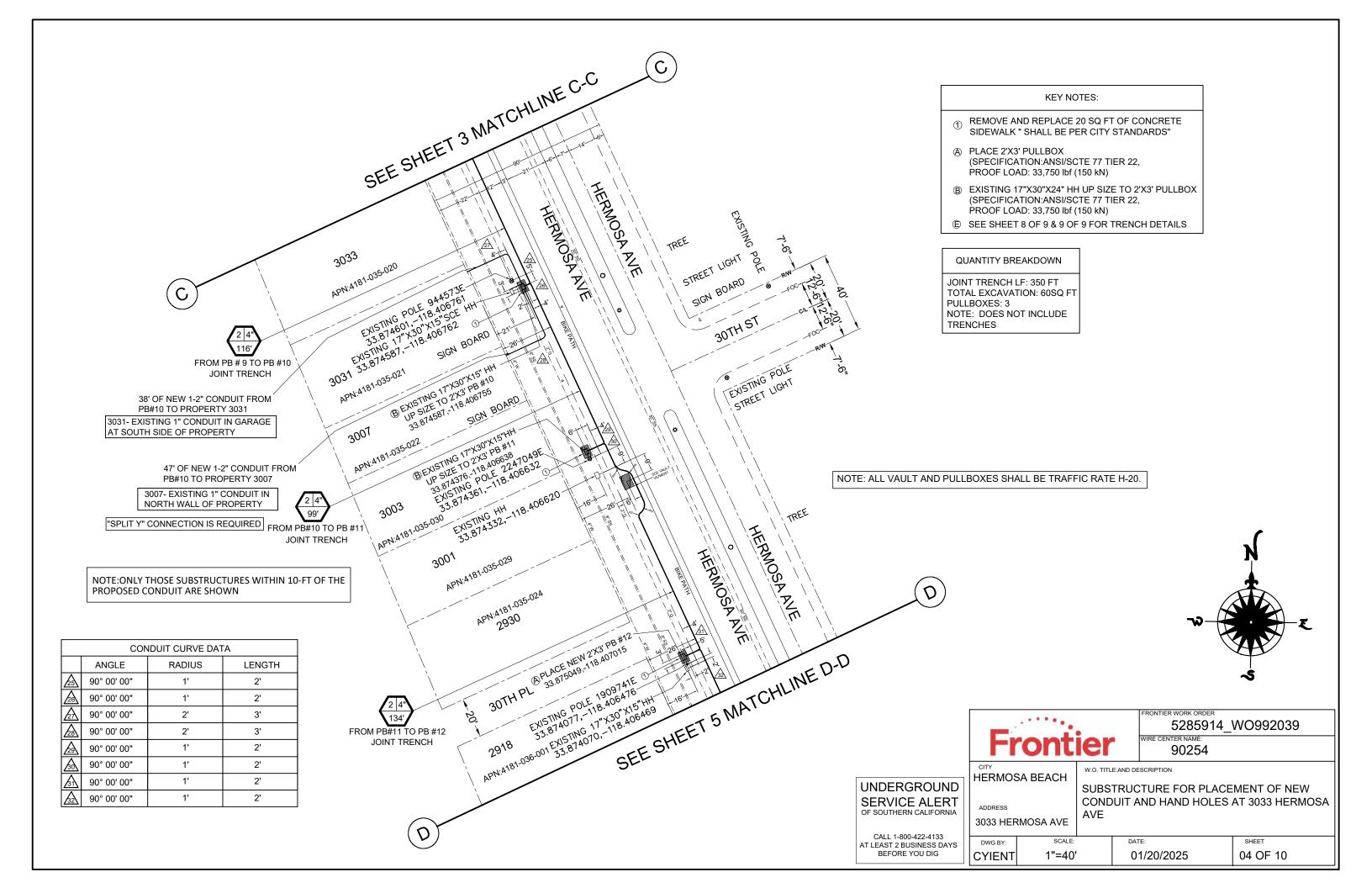
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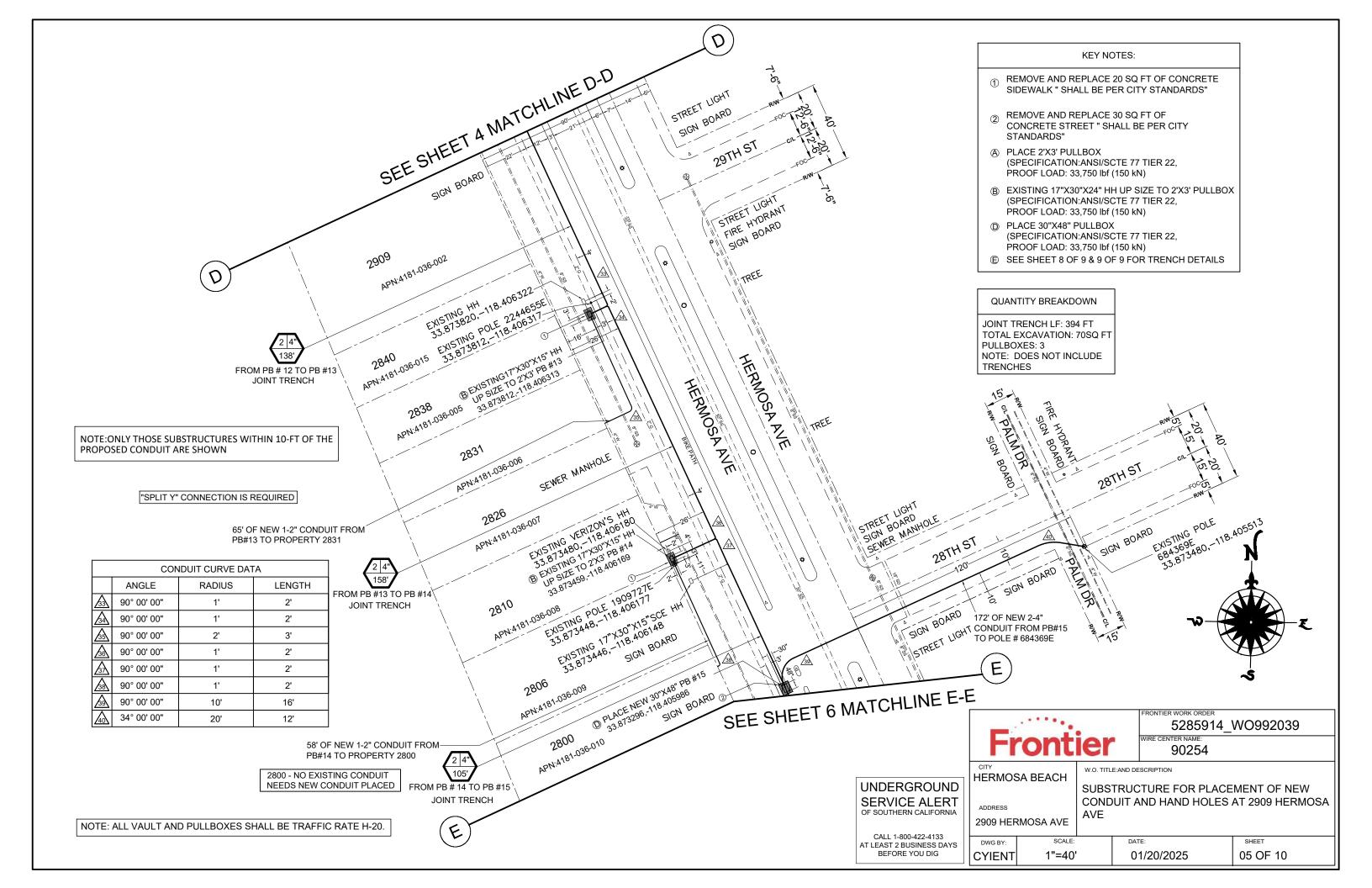
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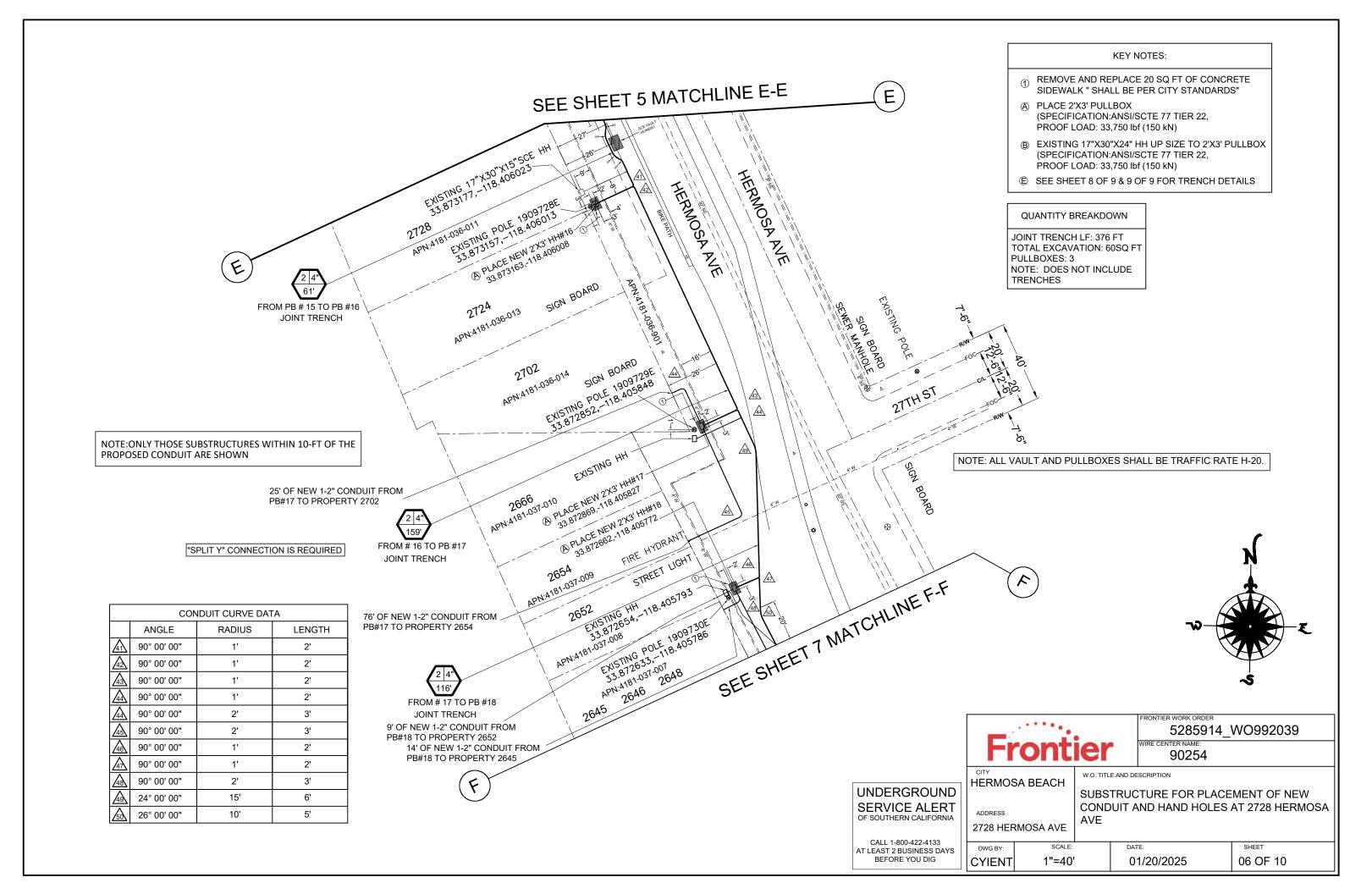


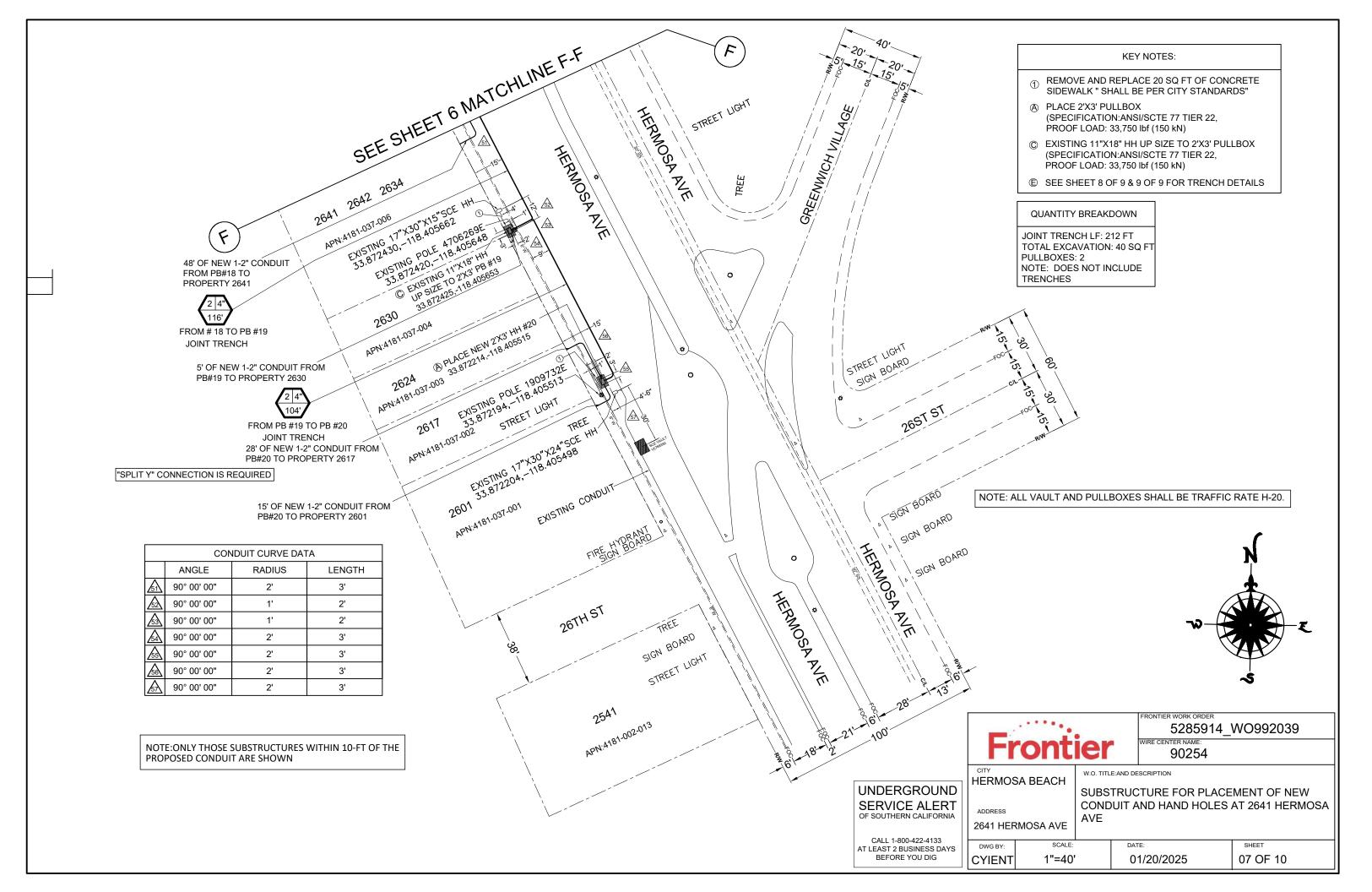








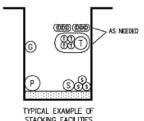


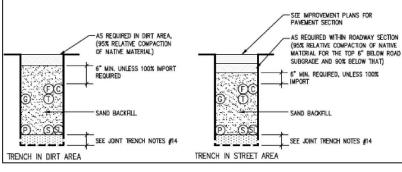


JOINT TRENCH NOTES:

- TRENCH COVER & CLEARANCES SHOWN ARE MINIMUMS ONLY AND MAY REQUIRE ALTERATIONS TO SUIT FIELD CONDITIONS.
- 2. IT IS RECOMMENDED THAT ALL FACILITIES ARE TO BE A MINIMUM OF 12" BELOW SUB-BASE DISTURBANCE.
- 3. * WITH MUTUAL AGREEMENT FROM PARTICIPATING UTILITIES, WHEN 4" O.D. OR SMALLER GAS PIPE IS INSTALLED, SEPARATION MAY BE REDUCED TO NOT LESS THAN 6" BETWEEN GAS AND COMMUNICATION DUCTS (TELEPHONE, C.A.T.V. & FIBER OPTIC).
- 4. * WHERE 6" GAS MAIN IS LOCATED IN THE JOINT TRENCH A 18" MINIMUM SEPARATION FROM GAS MAIN TO ALL UTILITIES WILL BE REQUIRED.
- 5. ** WITH MUTUAL AGREEMENT FROM PARTICIPATING UTILITIES. STREET LIGHT SEPARATION MAY BE REDUCED TO 0" BETWEEN STREET LIGHT AND COMMUNICATION DUCTS (TELEPHONE, C.A.T.V. & FIBER OPTIC).
- 6. TRENCH CONFIGURATIONS SHOWN ARE FOR INSTALLATION WHERE EACH OCCUPANT IS UTILIZING HIS ENTIRE SPACE ALLOCATION. OTHER CONFIGURATIONS OR REDUCED DIMENSIONS MAY BE USED. PROVIDED THAT MINIMUM COVER AND CLEARANCES ARE MAINTAINED.
- THE CONTRACTOR IS TO ADJUST TRENCH DEPTHS AT ALL JOINT TRENCH LATERAL CROSSINGS TO MAINTAIN REQUIRED CLEARANCES BETWEEN ALL PARTICIPATING UTILITIES.
- 8. TRENCH SECTIONS ARE SHOWN SCHEMATICALLY AND INDICATE AREAS OF OCCUPANCY ONLY: THEY DO NOT REFLECT SIZE OR QUANTITY OF FACILITIES TO BE INSTALLED.
- 9. TRENCH FOOTAGES PER SECTION ARE APPROXIMATE. SECTIONS ARE DESIGNED TO ACCOMMODATE ALL REQUIRED FACILITIES AS INDICATED ON EACH TRENCH PARTICIPANT'S CONSTRUCTION DRAWINGS.
- THE CONTRACTOR SHALL VERIFY TRENCH FOOTAGES FOR ACCURACY PRIOR TO EXCAVATION AND TAKE NECESSARY PRECAUTION CROSSING WATER AND SEWER FACILITIES.
- 11. THE CONTRACTOR SHALL REFER TO THE COMPOSITE, CONDUIT, AND/OR EACH RESPECTIVE UTILITY INSTALLATION PLAN FOR THE NECESSARY CONDUIT CABLE AND/OR PIPE TO BE INSTALLED IN THIS PROJECT.
- 12. TYPE "M2" TRENCH SHALL BE INSTALLED AFTER CURB AND GUTTER INSTALLATION. CONTRACTOR SHALL COORDINATE ADDITIONAL MOVE-INS NECESSARY TO COMPLETE THE SERVICES TO THE DWELLING UNITS WITH THE DEVELOPER, ALL AGENCIES AND THE UTILITY COMPANIES. THE COST OF THESE MOVE-INS SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR TRENCHING.
- 13. THE AVERAGE TRENCH DEPTHS SHOWN ARE BASED ON THE MINIMUM UTILITY COMPANY REQUIREMENTS FOR DEPTH AND SEPARATION. CONTRACTOR SHALL ADJUST TRENCH WIDTH & DEPTH AS REQUIRED TO ADEQUATELY CLEAR EXISTING UNDERGROUND FACILITIES AND MAINTAIN MINIMUM UTILITY CLEARANCES. ALL TRENCHES OVER 60" DEEP MUST COMPLY WITH OSHA REQUIREMENTS. (SEE THE JOINT TRENCH MINIMUM COVER AND CLEARANCE TABLE)
- 14. CONTRACTOR SHALL USE SAND BEDDING AND SHADING AS REQUIRED BY THE UTILITY COMPANIES. THE BOTTOM OF THE TRENCH SHALL BE CLEARED OF ROCKS AND OTHER HARD SURFACES, DISTRIBUTION TRENCHES WITHOUT TELEPHONE CONDUIT DO NOT REQUIRE BEDDING MATERIAL, SERVICE TRENCHES WITHOUT TELEPHONE CONDUIT REQUIRE 2" SAND BEDDING AS A PAD ON WHICH UTILITY FACILITIES CAN REST. SERVICE TRENCHES CONTAINING TELEPHONE CONDUIT ONLY REQUIRE A 1" SAND BEDDING. ALL OTHER TRENCHES CONTAINING TELEPHONE CONDUIT REQUIRE A 3" SAND BEDDING, REFER TO PG&E GREEN BOOK PUBLICATION S5453, EXHIBIT B AND AT&T SPEC95 "AT&T SPECIFICATIONS" TRENCHING AND CONDUIT GUIDE FOR FURTHER INFORMATION.
- 15. ALL TRENCHING AND BACKFILLING TO BE DONE IN ACCORDANCE WITH THE CITY OF LOS GATOS ENGINEERING STANDARDS AND SPECIFICATIONS.
- 16. ALL PG&E, TELEPHONE, CABLE, AND FIBER OPTIC BOXES AND JOINT TRENCH FACILITIES ARE TO MAINTAIN A MINIMUM OF 3' SEPARATION FROM SEWER AND WATER LATERALS AND DRIVEWAYS, ALL UTILITY VAULTS, BOXES, PEDESTALS, ETC. MUST MAINTAIN A 5' MINIMUM CLEARANCE FROM FIRE HYDRANTS, AND 3' MINIMUM FROM STREETLIGHTS.

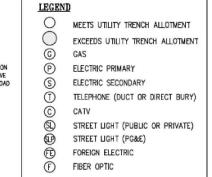
	JOINT TRENCE MINIMUM COVER AND CLEARANCES MINIMUM SEPARATION FROM											
	YTUTU	G	T	TD	С	S	Р	SL	SLP	F	FΕ	MINIMUM COVER
G	(GAS)*	-	12*	12"	12*	6"	12*	12"	6"	12"	12*	24"; 30" IN STREET
Т	(TELEPHONE) DUCT	12*	-	1*	1*	12"	12*	12*	12"	1*	12"	24"; 30" IN STREET
TD	(TELEPHONE) DIRECT BURY	12"	1"	-	1"	12"	12*	12"	12"	1.	12"	24"; 30" IN STREET
С	(CABLE T.V.)	12*	1"	1"	-	12"	12*	12"	12"	1"	12"	24"; 30" IN STREET
S	(ELECT. SECONDARY)	6*	12*	12"	12*	1.5"	2*	12"	1.5*	12"	12"	24"; 30" IN STREET
Р	(ELECT. PRIMARY)	12"	12*	12*	12"	2"	2*	2*	2*	12*	12"	36"; 36" IN STREET
SL	(PUBLIC AND PRIVATE-STREET LIGHT)**	12*	12*	12"	12"	12"	12*	-	12"	12"	12"	24"; 30" IN STREET
SLP	(P.G.ESTREET LIGHT)	6*	12°	12*	12"	1.5"	2*	12"	1.5*	12*	12"	24"; 30" IN STREET
FE	(FOREIGN ELECTRIC SOURCES, NON PG&E)	12"	12°	12*	12"	12"	12"	12"	12"	12*	-	24"; 30" IN STREET
F	(FIBER OPTIC)	12*	1"	1*	1"	12"	12*	12"	12"	-	12"	24"; 30" IN STREET

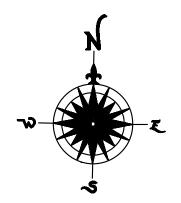


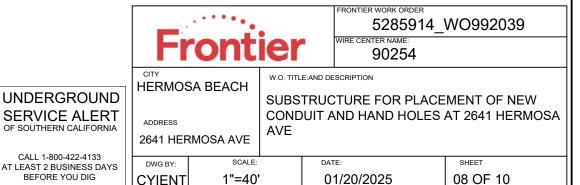


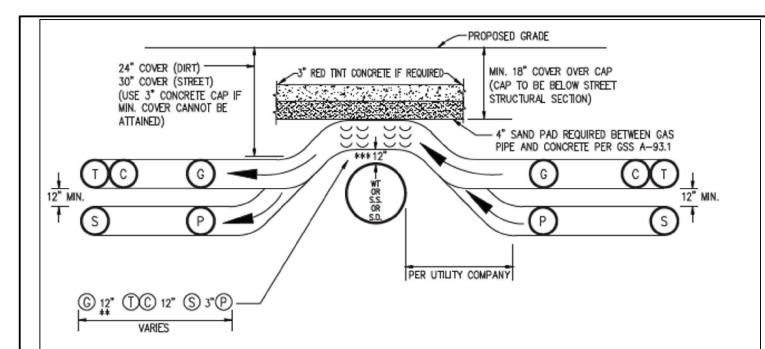
CALL 1-800-422-4133

BEFORE YOU DIG

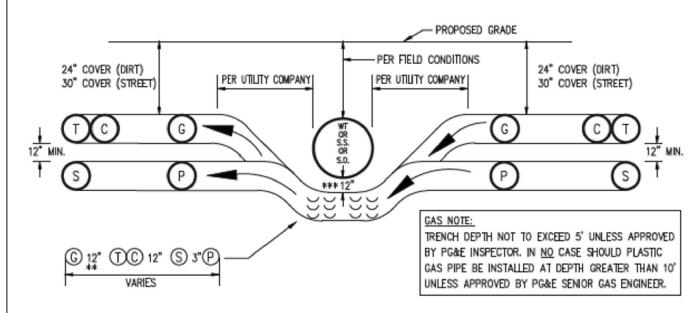








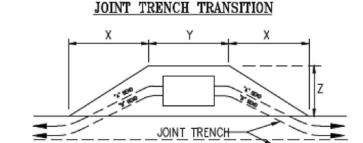
JOINT TRENCH OVER WATER, SANITARY SEWER OR STORM DRAIN CHOICE 1 (PREFERRED METHOD)

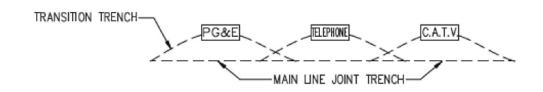


JOINT TRENCH UNDER WATER, SANITARY SEWER OR STORM DRAIN CHOICE 2 (OPTIONAL METHOD)

- * SEE MINIMUM COVER & CLEARANCE CHART
- * * WITH MUTUAL AGREEMENT, WHEN 4" O.D. OR SMALLER GAS PIPE IS INSTALLED SEPARATION MAY BE REDUCED TO NOT LESS THAN 6" BETWEEN GAS AND COMMINCATION DUCTS (TELEPHONE & CATV).
- * * * 6" MINIMUM REQUIRED BY PG&E-ADDITIONAL CLEARANCE MAYBE REQUIRED BY CITY OR COUNTY

OVER UNDER DETAILS N.T.S. JT3





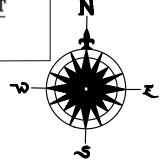
		DISTANCE (when conduit	enters box)	
BEND	PRIMARY BOX SIZE	*X*	"Y"	"Z"	NOTES
"A"	3' x 5'	24'	7*	5'	BEND IS 60' RADIUS WITH AN ANGLE OF 10 DEG. USE 2-5 COUPLINGS WITH 1-5' CONDUIT
	4'-6" x 8'-6"	24'	11'	7*	SECTION FOR EACH BEND SHOWN.
"B"	3' x 5'	32'	7*	5"	BEND IS 30' RADIUS WITH AN ANGLE OF 15
В	4'-6" x 8'-6"	32'	11'	7	DEG. USE 3-5 COUPLINGS WITH 2-2 1/2' CONDUIT SECTION FOR EACH BEND SHOWN.

NOTE:

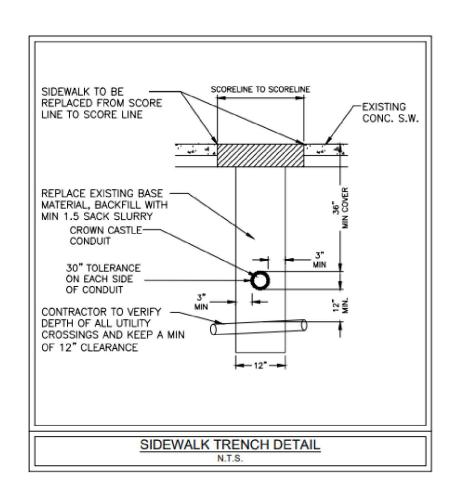
- CONTRACTOR TO EXCAVATE TRANSITIONS FROM MAIN-LINE TRENCH TO VAULTS AS REQUIRED BY EACH UTILITY.
- 2. TRANSITIONS NOT SHOWN ON COMPOSITE DRAWING FOR CLARITY.
- 3. CONTRACTOR TO INCLUDE COST OF TRANSITIONS IN VAULT EXCAVATION COST.

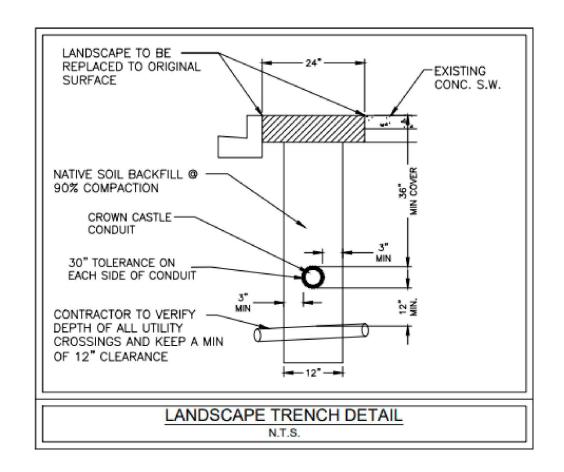
TYPICAL PRIMARY BOX EXCAVATION USING CONDUIT DETAIL N.T.S. JT3

BEFORE YOU DIG

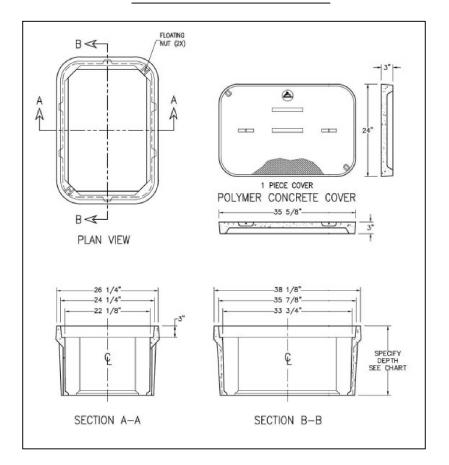




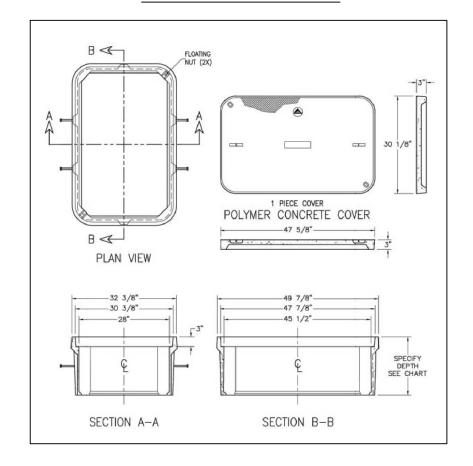


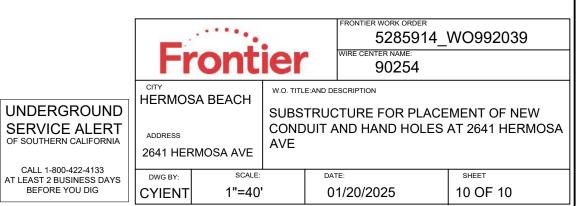


24"x36" PULL BOX



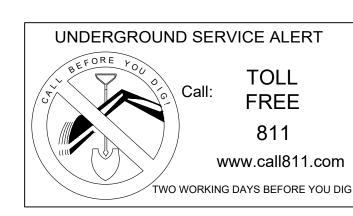
30"x48" PULL BOX

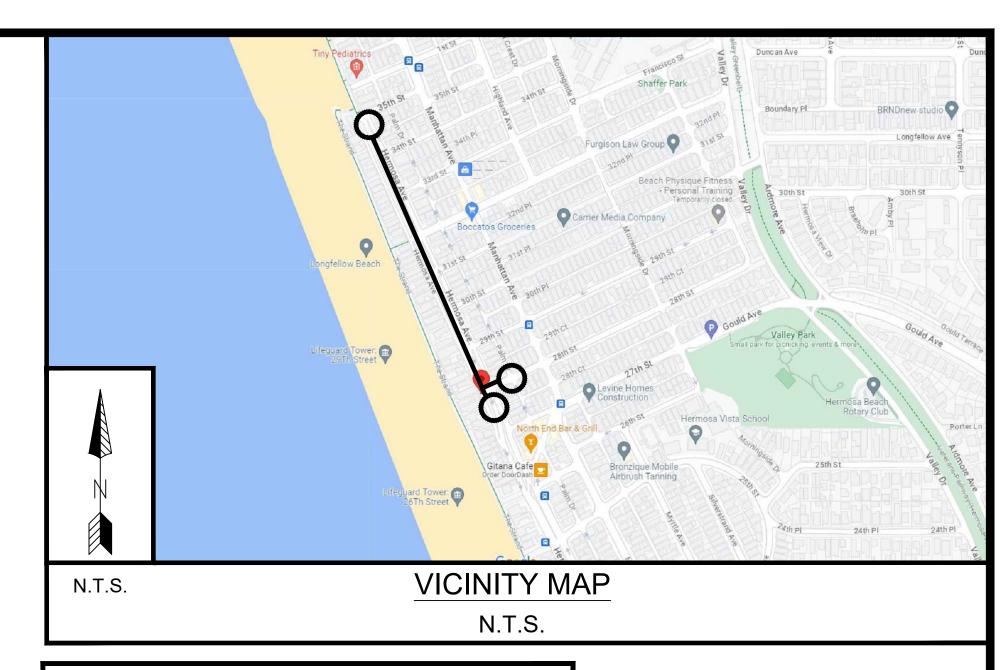




BEFORE YOU DIG

TITLE SHEET HERMOSA BEACH **GREENWICH VILLAGE UNDERGROUNDING DISTRICT**



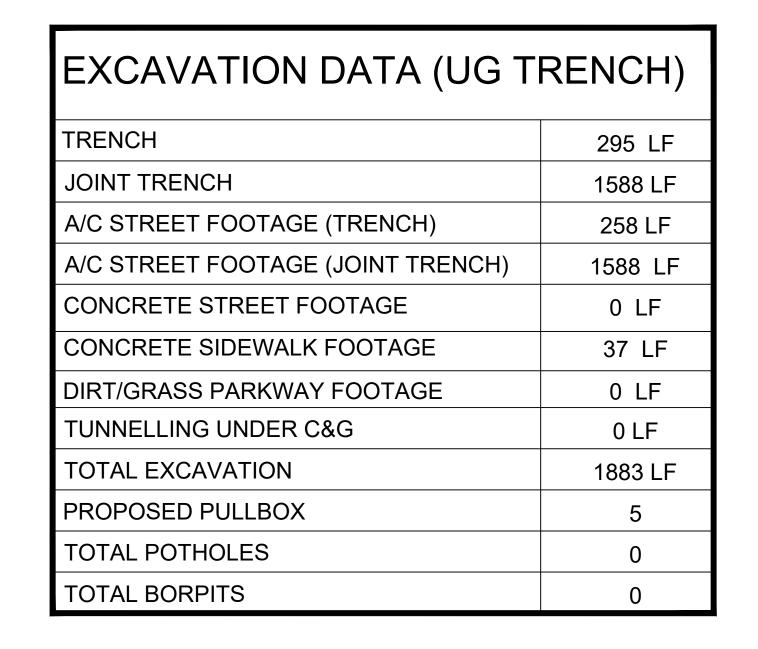


DRAWING INDEX								
SHEET 1	TITLE SHEET							
SHEET 2	SUE FORM							
SHEET 3	GENERAL NOTES & DETAILS							
SHEET 4	EXCAVATION PLAN & DETAILS							
SHEET 5	EXCAVATION PLAN & DETAILS							
SHEET 6	EXCAVATION PLAN & DETAILS							
SHEET 7	EXCAVATION PLAN & DETAILS							
SHEET 8	DETAILS							
SHEET 9	DETAILS							

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For Underground Locating Two Working Days Before You Dig

D16: Rev. 05/28/20



NOTE: QUANTITIES PROVIDED ARE ESTIMATED. REMOVAL AND REPLACEMENT OF ALL EXISTING CONCRETE AND ASPHALT SURFACES SHALL BE PER CITY STANDARDS. CONTRACTOR RESPONSIBLE FOR VERIFYING ACTUAL QUANTITIES.

IMPROVEMENT PLANS FOR:

PROJECT ID: HERMOSA BEACH

LOCATION: HERMOSA BEACH GREENWICH VILLAGE

UNDERGROUND SERVICE ALERT FREE www.call811.com TWO WORKING DAYS BEFORE YOU DIG

CITY OF HERMOSA BEACH

	RE	VISIONS	UNDERGOL	JND	AERIAL/UNDERG	G
IO.	DATE	DESCRIPTIONS	SCOPE OF W	/ORK	SCOPE OF W	/(
			NEW HAND HOLE	5	AERIAL OVERLASH FT.	
			NEW PEDESTAL	0	NEW AERIAL CONST. FT.	
			BORE PITS	0	NEW RISER(S)	
			POT HOLES	0	NEW ANCHOR(S)	
			TRENCH FT.	295'	NEW POLE(S)	
			JOINT TRENCH FT.	1588'	EX. UNDERGROUND FT.	
			TOTAL CONDUIT FT.	1883'	TOTAL CABLE INSTALL FT.	
						┷

AERIAL/UNDERGROUND										
SCOPE OF W	ORK									
AERIAL OVERLASH FT.	0									
NEW AERIAL CONST. FT.	0									
NEW RISER(S)	0									
NEW ANCHOR(S)	0									
NEW POLE(S)	0									
EX. UNDERGROUND FT.	0									
TOTAL CABLE INSTALL FT.	0									

				LEGEND			
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	E
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	F0
PEDESTAL	P	RISER POLE	-Ŗ-	CENTERLINE		GAS	GAS
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss
STREET LIGHT	\	COUNT ###'	<u>DISTANCE</u>	PROPOSED BORE		STORM DRAIN	SD
FIRE HYDRANT	<u> </u>	ANGUORS	<u> </u>	PROPOSED TRENCH		TELEPHONE	т
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w
POT HOLE	Р		<u> </u>	PROPOSED JOINT TRENCH		WATER	



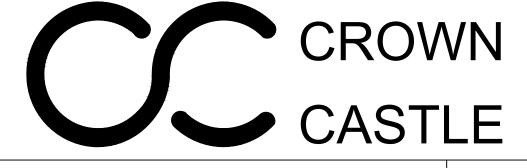
A CONGRUEX® COMPANY

2042 S GROVE AVE ONTARIO, CA 91761

PROJECT MANAGER: CHRIS SABANDO

CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

GENERAL REQUIREMENT - UNDERGROUND UTILITY AVOIDANCE

- GENERAL CONTRACTOR IS RESPONSIBLE TO FOLLOW ALL FEDERAL AND STATE STATUTES AND REGULATIONS; INDUSTRY BEST PRACTICES; BUILDING AND FIRE CODES; GENERAL CONTRACTOR LICENSES; AND LOCAL LAWS, REGULATIONS AND ORDINANCES. IN THE EVENT A CONFLICT EXISTS BETWEEN THESE REGULATIONS AND THIS DOCUMENT, THE REGULATIONS SHALL CONTROL THE GENERAL CONTRACTOR'S ACTIONS.
- AT MINIMUM, WHEN NOT IN CONFLICT WITH FEDERAL, STATE, AND LOCAL STATUES, THE GENERAL CONTRACTOR SHALL FOLLOW THE "COMMON GROUND ALLIANCE (CGA) BEST PRACTICES VERSION 17.0 MANUAL OR LATEST - THE DEFINITIVE GUIDE FOR UNDERGROUND SAFETY AND DAMAGE PREVENTION" RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL PREPARE AN EMERGENCY RESPONSE PLAN, INCLUDING APPROPRIATE CONTACT INFORMATION, ONE CALL TICKET DETAILS, AND IMMEDIATE CONTACTING DETAILS, IN THE EVENT OF UNDERGROUND UTILITY DAMAGE. AND HAVE AVAILABLE AT THE INSTALLATION SITE.
- GENERAL CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE ALL ELECTRICAL STRIKE SYSTEMS ARE IN PLACE, IF APPLICABLE, AND HAS BRIEFED THE INSTALLATION CREW ON THE GENERAL CONTRACTOR'S ELECTRICAL AND GAS LINE STRIKE PROCEDURES EACH DAY PRIOR TO WORK COMMENCING.
- GENERAL CONTRACTOR SHALL WHITE LINE THE PROPOSED CONSTRUCTION ROUTE PRIOR TO CONTACTING THE UTILITY ONE—CALL SYSTEM.
- GENERAL CONTRACTOR SHALL IDENTIFY, PRIOR TO WORK COMMENCEMENT, A COMPETENT PERSON ON THE WORK CREW WHO IS CAPABLE OF IDENTIFYING HAZARDS AND HAS THE AUTHORIZATION TO TAKE PROMPT CORRECTIVE MEASURES (INCLUDING STOP WORK AUTHORITY) TO ELIMINATE THEM AND SHALL BE ON SITE AT ALL TIMES.
- GENERAL CONTRACTOR SHALL CONTACT THE ONE-CALL FACILITY FOR EXISTING UTILITY LOCATES AS REQUIRED BY LAW AND PRESERVE ALL MARKS UNTIL THE PROJECT IS COMPLETED AND REFRESH THE ONE CALL IF REQUIRED BY STATE OR JURISDICTIONAL REQUIREMENTS.
- FOR PROJECTS WITH HIGH PRIORITY UTILITIES, OR ANY UNUSUAL OR COMPLEX CONSTRUCTION, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-EXCAVATION MEETING WITH THE AFFECTED UTILITIES AND/OR THEIR DESIGNATED LOCATING COMPANY TO DISCUSS THE PROJECT. HIGH PRIORITY UTILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, HIGH-PRESSURE GAS LINES, HIGH-VOLTAGE ELECTRIC LINES, MAJOR PIPELINES, MAJOR WATER LINES, AND HIGH CAPACITY FIBER OPTIC LINES.
- THE GENERAL CONTRACTOR SHALL ENSURE ANY UTILITIES IDENTIFIED FOR LOCATING WHICH ARE NOT MARKED ON THE GROUND HAVE PROVIDED POSITIVE CONFIRMATION NO CONFLICT EXISTS. IF THERE IS A LACK OF POSITIVE CONFIRMATION, THE GENERAL CONTRACTOR MUST RE-CALL THE ONE-CALL CENTER OR RELEVANT UTILITY DIRECTLY FOR CONFIRMATION.
- IN THE EVENT A UTILITY CANNOT BE LOCATED, WHERE POSITIVE CONFIRMATION IS NOT RECEIVED, OR WHERE THERE IS A LIKELIHOOD OF UNDOCUMENTED UTILITIES, SUCH AS PRIVATE INFRASTRUCTURE, THE GENERAL CONTRACTOR SHALL TAKE THE STEP OF SYSTEMATICALLY UTILIZING A GROUND PENETRATING RADAR (GPR) SYSTEM OR SIMILAR ADVANCED LOCATING TECHNOLOGY WITHIN THE TOLERANCE ZONE TO IDENTIFY AND DOCUMENT ANY UTILITIES WITHIN THE CONSTRUCTION ZONE. ANY UTILITY LOCATED USING GPR SHALL BE PROPERLY LOCATED AND EXPOSED AS OUTLINED WITHIN THIS STANDARD PRIOR TO DIGGING.
- THE GENERAL CONTRACTOR SHALL INSPECT THE AREA, PRIOR TO INSTALLATION FOR ANY UNDERGROUND UTILITY INFRASTRUCTURE WHICH MAY HAVE BEEN MISSED BY SURVEYING THE CONSTRUCTION AREA AND SURROUNDING ENVIRONMENT FOR CLEANOUTS, SUNKEN AREAS, RISERS, OUTBUILDINGS, LIGHT POLES, METERS, UTILITY BOXES, PEDESTALS, MANHOLE COVERS, MARKERS, ETC. PARTICULAR ATTENTION SHOULD BE MADE TO IDENTIFY SERVICE FEEDS FROM BUILDINGS AND HOMES ARE MARKED.
- THE GENERAL CONTRACTOR SHALL CONTACT ANY UTILITY WHERE LOCATES ARE IN QUESTION AND/OR UNVERIFIED. NO ASSUMPTIONS SHOULD BE MADE ON LOCATION OR DEPTH OF EXISTING UTILITIES.
- THE GENERAL CONTRACTOR, AT MINIMUM, SHALL TAKE AND STORE A PHOTO SERIES TO BE SUBMITTED WITH THE CLOSE OUT PACKAGE OF ALL EXCAVATION AREAS ONCE LOCATES ARE COMPLETE AND PRIOR TO EXCAVATION.
- GENERAL CONTRACTOR SHALL MEET ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING WORKER SAFETY AND TRAINING WHEN WORKING AROUND UNDERGROUND FACILITIES.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES CROSSING THE TOLERANCE ZONE AND SHALL POSITIVELY IDENTIFY THEIR LOCATION AND DEPTH USING APPROPRIATE TECHNIQUES WITHIN THE TOLERANCE ZONE.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT—HOLE) ALL EXISTING UTILITIES RUNNING PARALLEL WITH THE PROPOSED PATH AT THE APPROPRIATE INTERVALS WITHIN THE TOLERANCE ZONE AND APPROPRIATE BUFFER ZONE. UNLESS MORE STRINGENT REGULATIONS EXIST, THE GENERAL CONTRACTOR SHALL EXPOSE (POT-HOLE) AT MINIMUM ANY PARALLEL UTILITY WITHIN 3'OF THE TOLERANCE ZONE EVERY 25', AND ANY PARALLEL UTILITY BETWEEN 3'TO 5'OF THE TOLERANCE ZONE EVERY
- THE TOLERANCE ZONE SHALL BE A MINIMUM OF 30" BEYOND EACH SIDE OF THE INSTALLED PIPE, OR GREATER IF CODE REQUIRES.
- GENERAL CONTRACTOR SHALL USE A DRILL HEAD TRACKING DEVICE WHEN BORING AND TRACK THE DRILL HEAD AT A MINIMUM OF EVERY 5'OR AS REQUIRED BY CODE. A LOG SHALL BE CREATED RECORDING THE LOCATION AND DEPTH AND SUBMITTED WITH THE GENERAL CONTRACTOR AS-BUILT PACKAGE.
- GENERAL CONTRACTOR SHALL ENSURE THESE REQUIREMENTS ARE ENFORCED WITH ALL SUB-CONTRACTORS RETAINED BY THE GENERAL CONTRACTOR.



SUE FORM

Subsurface Utility Engineering (SUE) Utility Rating Impact Form								
	_							
Pro	ject Name: <u>HERMOSA BEACH</u>				Date of Analysis: 02/09/2023			
Pro	ject Location: <u>HERMOSA BEACH GR</u>	EEN	<u>WI</u> CH VILLAGE		Analysis Done By: _	Anc	lrew Sanchez	
Pro	ject Scope: _Trench 295' in row. Joint	trenc	h 1588' . Place (է	5) va	ault. Total trench 188	3'.		
ID	Complexity Factor		Low Complexity		Medium Complexity	/	High Complexity	
1	Utility Density		Dense	M	Denser		Densest	
2	Utility Type		Less-Critical		Sub-Critical	abla	Critical	
3	Utility Pattern - Parallel Utilities		Simple	M	Medium		Complex	
4	Utility Pattern - Perpendicular Utilitie	s 🗌	Simple	M	Medium		Complex	
5	Utility Material		Rigid	M	Flexible		Brittle	
6	Utility Access		Easy		Medium		Restricted	
7	Utility Age		New	M	Medium		Old	
8	Utility Record Quality	\square	Good		Fair		Poor	
9	Excavation Depth (inches)		Low		Medium	V	High	
10	Excavation Method	V	Method A		Method B		Method C	
	Total	2		5		2		
	SUE Impact Score		2					

LIST OF UTILITIES TH	HAT DID NOT RESPOND FOR SUBSTRUCTURE REQUESTS:
<u>NAME:</u>	TYPE OF UTILITY:

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For Underground Locating Two Working Days Before You Dig

D16: Rev. 05/28/20

CITY OF HERMOSA BEACH

LINETYPES

							_						
REVISIONS UNDERGOUND		AERIAL/UNDERGROUND		LEGEND									
NO.	1	DESCRIPTIONS	SCOPE OF	WORK	SCOPE OF W	SCOPE OF WORK		SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES
INO.	DATE	DESCRIFTIONS	NEW HAND HOLE	5	AERIAL OVERLASH FT.	0	UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV
			1	3		0	MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		- ELECTRIC
			NEW PEDESTAL	0	NEW AERIAL CONST. FT.	0	VAULT	V	BORE PIT		RIGHT OF WAY		- FIBER OPTIC
			BORE PITS	0	NEW RISER(S)	0	PEDESTAL	— — P	RISER POLE	-R-	- CENTERLINE		- GAS
			POT HOLES	0	NEW ANCHOR(S)	0	HAND HOLE	HH	CONDUIT	CONDUIT SIZE	FENCE	x x	SANITARY
			TRENCH FT.	295'	NEW POLE(S)	0	STREET LIGHT	\	- CONDUIT # #" COUNT ###"	DISTANCE	PROPOSED BORE		SEWER - STORM DRAIN
			JOINT TRENCH FT.	1588'	EX. UNDERGROUND FT.	0	FIRE HYDRANT	<u> </u>		<u></u>	PROPOSED TRENCH		_ TELEPHONE
			TOTAL CONDUIT FT.	1883'	TOTAL CABLE INSTALL FT.	0	POT HOLE	P	ANCHORS	<u></u>	PROPOSED JOINT TRENCH		WATER

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XHHS

2042 S GROVE AVE ONTARIO, CA 91761

PFRMIT ID:

HERMOSA BEACH

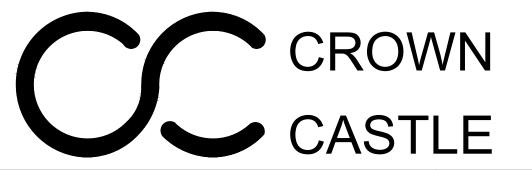
ADDRESS:

HERMOSA BEACH GREENWICH VILLAGE

PROJECT MANAGER: CHRIS SABANDO

CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET

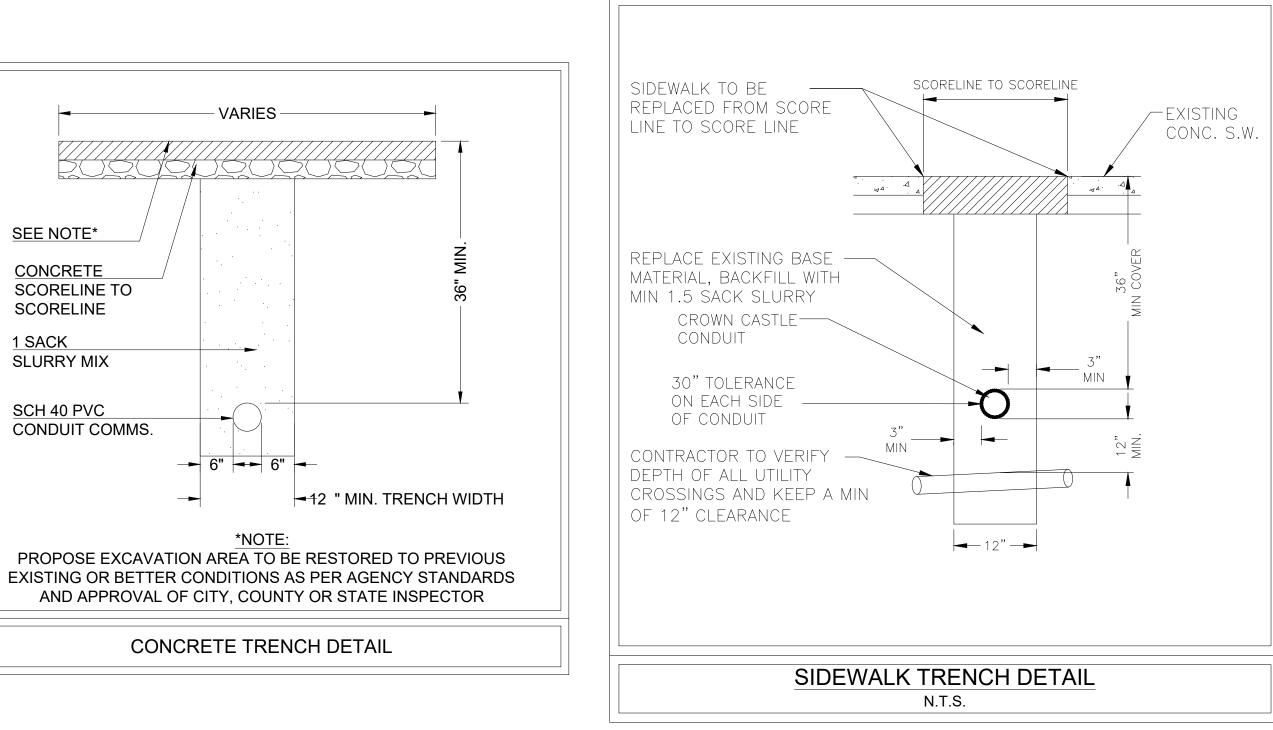


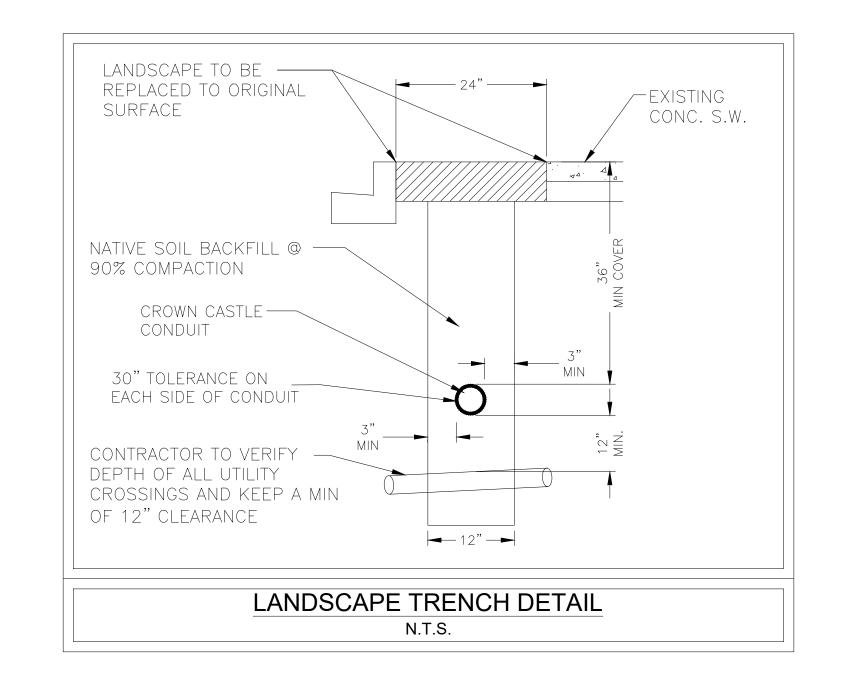
PROJECT ID: HERMOSA BEACH

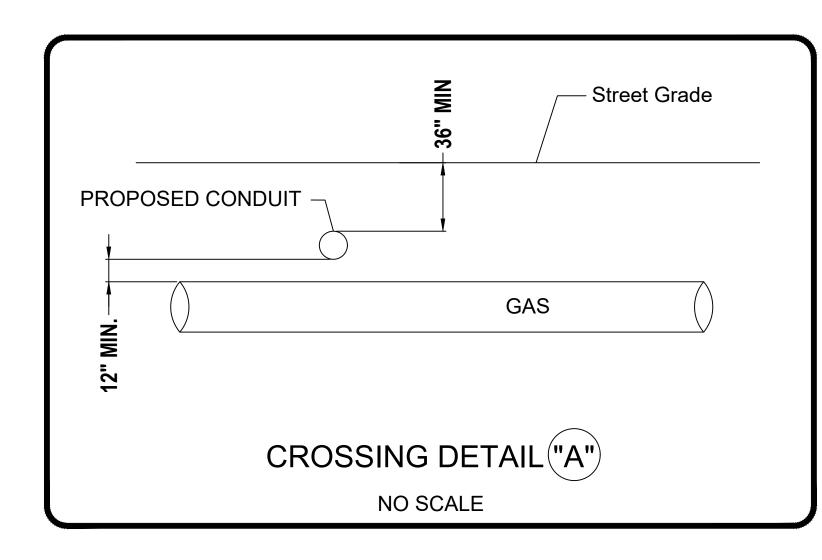
SHEET 2 OF 9

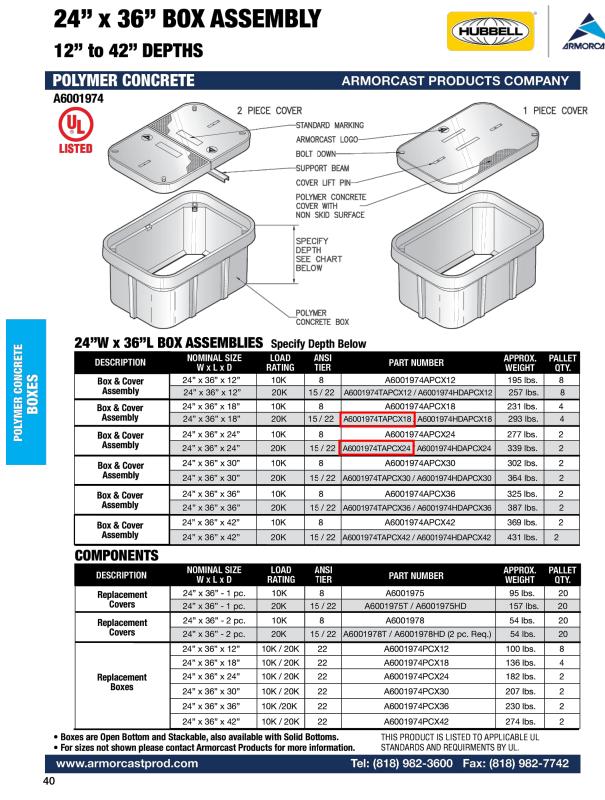
JENSEN PRECAST VAULT 24"x36x12" CONCRETE TRAFFIC RATED VAULT MODEL # HT2436 TRAFFIC BOX (LID TO BE MARKED "CROWN CASTLE") L'fting Hole Storeand Hox-Hoad Bolts Included Steel Diamond Plate Ent Down Lid HT2436-LS1 Sizel Welded Frame RX HT2136-B Sizel Welded Frame RY HT2136-B

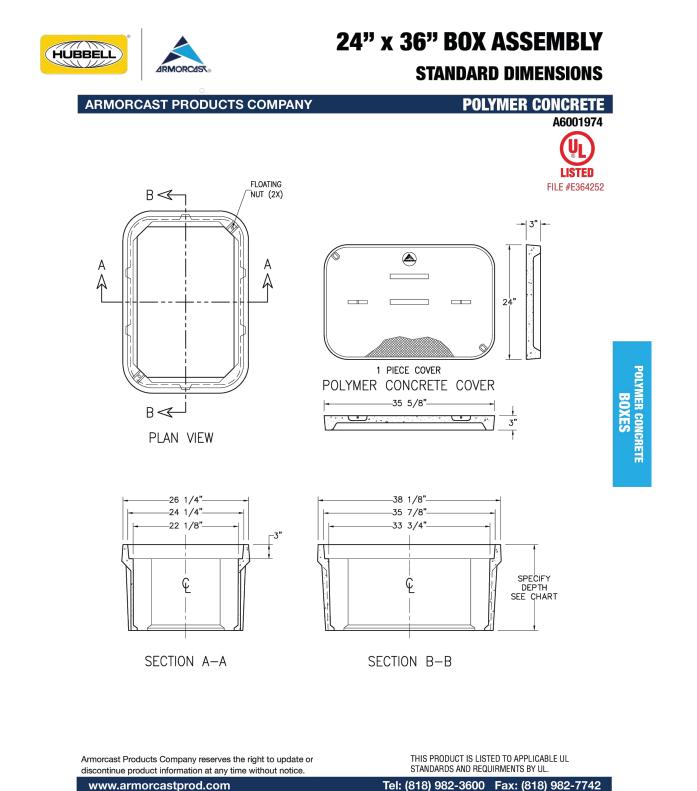
DETAIL SHEET











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FOR MATERIAL SPECIFICATIONS, EQUAL MATERIALS WILL BE CONSIDERED.

HERMOSA	BEACH
UEKINIO9A	DEACH

REVISIONS						
NO. DATE DESCRIPTIONS						

UNDERGOUND SCOPE OF WORK						
NEW HAND HOLE 5						
NEW PEDESTAL	0					
BORE PITS	0					
POT HOLES	0					
TRENCH FT.	295'					
JOINT TRENCH FT.	1588'					
TOTAL CONDUIT FT.	1883'					
TOTAL CONDUIT FT.	1883'					

AERIAL/UNDERG							
SCOPE OF WORK							
AERIAL OVERLASH FT.	0						
NEW AERIAL CONST. FT.	0						
NEW RISER(S)	0						
NEW ANCHOR(S)	0						
NEW POLE(S)	0						
EX. UNDERGROUND FT.	0						
TOTAL CABLE INSTALL FT.	0						

1				LECEND			
	•			LEGEND			
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL	P	RISER POLE	- R -	CENTERLINE		GAS	GAS
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss
STREET LIGHT	\(\tau_{-} \)	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	
FIRE HYDRANT	<u></u>	ANCHORS	<u> </u>	PROPOSED TRENCH		TELEPHONE	т ———
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	



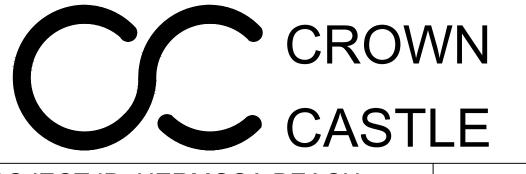
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PROJECT MANAGER: CHRIS SABANDO

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EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

TRENCH TRENCH JOINT TRENCH JOINT TRENCH HERMO. 2" JOINT TRENCH 122' TRENCH JOINT TRENCH

NOTE: QUANTITIES PROVIDED ARE ESTIMATED. REMOVAL AND REPLACEMENT OF ALL EXISTING CONCRETE AND ASPHALT SURFACES SHALL BE PER CITY STANDARDS. CONTRACTOR RESPONSIBLE FOR VERIFYING ACTUAL QUANTITIES.

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UNDERGOUND REVISIONS SCOPE OF WORK DATE DESCRIPTIONS NEW HAND HOLE **NEW PEDESTAL BORE PITS** POT HOLES TRENCH FT. 295' 1588' JOINT TRENCH FT.

TOTAL CONDUIT FT.

1883'

AERIAL/UNDERGROUND						
SCOPE OF WORK						
AERIAL OVERLASH FT.	0					
NEW AERIAL CONST. FT.	0					
NEW RISER(S)	0					
NEW ANCHOR(S)	0					
NEW POLE(S)	0					
EX. UNDERGROUND FT.	0					
TOTAL CABLE INSTALL FT.	0					

2"

24'

TRENCH

				LEGEND	
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYF
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)	
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING	
VAULT	V	BORE PIT		RIGHT OF WAY	
PEDESTAL	P	RISER POLE	-Ŗ-	CENTERLINE	
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x
STREET LIGHT	- \$	COUNT ###'	DISTANCE	PROPOSED BORE	
FIRE HYDRANT	<u></u>	ANGLIODS		PROPOSED TRENCH	
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH	
	•		•		

EXCAVATION AND DATA INFO:

PLACE NEW RISER ON POLE#684369E, 18' S/O C/L 28TH ST.

JOINT TRENCH 23'

TRENCH 9'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE.

TRENCH 9'

PLACE ONE NEW POLE OF 40' HEIGHT AT 5' DISTANCE FROM NEW HANDHOLE (2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE.

PLACE ONE NEW ANCHOR AT 20' DISTANCE FROM NEW POLE (17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 60' E/O C/L HERMOSA AVE.

JOINT TRENCH 146' WITH SCE. TRENCH 40' JOINT TRENCH 122' WITH SCE. TRENCH 24'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 24' W/O C/L HERMOSA AVE AND 32' N/O C/L 27TH ST.

JOINT TRENCH 391' WITH SCE. TRENCH 8'

PLACE ONE (1) NEW 24"X36" HANDHOLE 57' W/O C/L HERMOSA AVE AND 62' S/O C/L 30TH ST.

TRENCH 51'

TRENCH 8'

JOINT TRENCH 459' WITH SCE.

TRENCH 8', TRENCH 6',

PLACE ONE (1) NEW 24"X36" HANDHOLE 56' N/O C/L LONG FELLOW AVE AND 54' W/O C/L HERMOSA AVE.

TRENCH 61', JOINT TRENCH 372' WITH SCE. TRENCH 49' JOINT TRENCH 75' TRENCH 22'

PLACE ONE (1) NEW 24"X36" HANDHOLE 64' W/O C/L HERMOSA AVE AND 47' S/O C/L 35TH ST.

TRENCH 17'

UNDERGROUND CONFLICTS WITH PROPOSED

CONFIRM THAT THERE ARE NO

SINGLE TRENCH LOCATIONS.

TOTAL: 2792 SQ FT

CITY OF HERMOSA BEACH

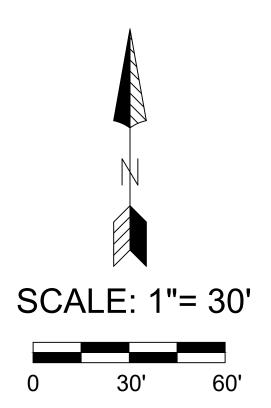
LEGEND LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	E
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL	P	RISER POLE	-Ŗ-	CENTERLINE		GAS	GAS
HAND HOLE	НН	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss
STREET LIGHT	\(\phi\)	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD
FIRE HYDRANT	<u></u>	ANCHORS		PROPOSED TRENCH		TELEPHONE	т
POT HOLE	Р	ANUTURS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w

NOTE:

KEY NOTES:

- RISER POLE 18' S/O C/L 28TH ST ON EXISTING POLE # 684369E, STA: 64+88
- 2. PLACE 24"X36" CROWN CASTLE FIBER PULLBOX (ARMORCAST, MODEL# A6001974TAPCX18 OR NEWBASIS MODEL #PCA243618-97XXX) 2' BEHIND CURB FACE STA: 50+91 (SEE PULLBOX DETAIL IN SHEET 3 OF 9)
- 3. PLACE 24"X36" CROWN CASTLE FIBER PULLBOX (ARMORCAST, MODEL# A6001974TAPCX18 OR NEWBASIS MODEL #PCA243618-97XXX) 3' BEHIND CURB OF MEDIAN. STA: 66+58 (SEE PULLBOX DETAIL IN SHEET 3 OF 9)
- 4. SEE DETAIL ON SHEET 8 OF 9.

CONDUIT CURVE DATA							
ANGLE	RADIUS	LENGTH					
79	5'	7'					
22	5'	2'					
23	5'	2'					
18	5'	2'					
77	13'	18'					
90	5'	8'					





A CONGRUEX® COMPANY

2042 S GROVE AVE ONTARIO, CA 91761

PROJECT MANAGER: CHRIS SABANDO

CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

SHEET 4 OF 9

2" 459' JOINT TRENCH 2" TRENCH 2" TRENCH TRENCH

UNDERGROUND SERVICE ALERT Contact USA Dial 811 or 800-422-4133 www.digalert.org/contact

For Underground Locating Two Working Days Before You Dig

D16: Rev. 05/28/20



NOTE: CONFIRM THAT THERE ARE NO UNDERGROUND CONFLICTS WITH PROPOSED

SINGLE TRENCH LOCATIONS.

LINDERGOLIND

	RE	VISIONS	II UNDERGOO	
Э.	DATE	DESCRIPTIONS	SCOPE OF W	<u>/ORK</u>
			NEW HAND HOLE	
			NEW PEDESTAL	
			BORE PITS	
			POT HOLES	
			TRENCH FT.	2
			JOINT TRENCH FT.	15
			TOTAL CONDUIT FT.	18

,	
AERIAL/UNDERC	ROUND
SCOPE OF W	ORK
AERIAL OVERLASH FT.	0
NEW AERIAL CONST. FT.	0
NEW RISER(S)	0
NEW ANCHOR(S)	0
NEW POLE(S)	0
EX. UNDERGROUND FT.	0
TOTAL CABLE INSTALL FT.	0

				LEGEND			
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	FO
PEDESTAL	P	RISER POLE	- R -	CENTERLINE		GAS	GAS
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss
STREET LIGHT	\(\tau_{\chi} \)	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD
FIRE HYDRANT	— <u></u>	ANCHORS	<u> </u>	PROPOSED TRENCH		TELEPHONE	тт
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w

EXCAVATION AND DATA INFO:

PLACE NEW RISER ON POLE#684369E 18' S/O C/L 28TH ST.

JOINT TRENCH 23'

TRENCH 9'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE.

TRENCH 9'

PLACE ONE NEW POLE OF 40' HEIGHT AT 5' DISTANCE FROM NEW HANDHOLE (2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE.

PLACE ONE NEW ANCHOR AT 20' DISTANCE FROM NEW POLE (17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 60' E/O C/L HERMOSA AVE.

JOINT TRENCH 146' WITH SCE. TRENCH 40' JOINT TRENCH 122' WITH SCE. TRENCH 24'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 24' W/O C/L HERMOSA AVE AND 32' N/O C/L 27TH ST.

JOINT TRENCH 391' WITH SCE. TRENCH 8' TRENCH 8'

PLACE ONE (1) NEW 24"X36" HANDHOLE 57' W/O C/L HERMOSA AVE AND 62' S/O C/L 30TH ST.

TRENCH 51'

JOINT TRENCH 459' WITH SCE.

TRENCH 8', TRENCH 6',

PLACE ONE (1) NEW 24"X36" HANDHOLE 56' N/O C/L LONG FELLOW AVE AND 54' W/O C/L HERMOSA AVE.

TRENCH 61', JOINT TRENCH 372' WITH SCE. TRENCH 49' JOINT TRENCH 75'

PLACE ONE (1) NEW 24"X36" HANDHOLE 64' W/O C/L HERMOSA AVE AND 47' S/O C/L 35TH ST.

TRENCH 17'

TRENCH 22'

TOTAL: 2792 SQ FT

NOTE:

QUANTITIES PROVIDED ARE ESTIMATED. REMOVAL AND REPLACEMENT OF ALL EXISTING **CONCRETE AND ASPHALT** SURFACES SHALL BE PER CITY STANDARDS. CONTRACTOR RESPONSIBLE FOR VERIFYING **ACTUAL QUANTITIES.**

CITY OF HERMOSA BEACH

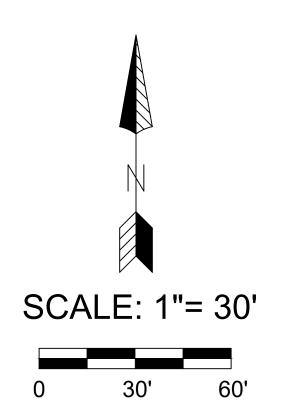
KEY NOTES:

SEE DETAIL ON SHEET 8 OF 9. PLACE 24"X36" CROWN CASTLE FIBER PULLBOX (JENSEN PRECAST TRAFFIC RATED VAULT, MODEL# HT2436 8' BEHIND CURB IN CONCRETE

STA: 60+96

(SEE PULLBOX DETAIL IN SHEET 3 OF 9) 6. REMOVE AND REPLACE 170 SQ FT OF CONCRETE STREET "SHALL BE PER CITY STANDARDS".

CONDUIT CURVE DATA					
ANGLE	RADIUS	LENGTH			
90	5'	8'			
90	5'	8'			
42	5'	4'			
42	5'	4'			





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2042 S GROVE AVE ONTARIO, CA 91761

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CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

HERNO. JOINT TRENCH 2" 61' **TRENCH** TRENCH TERMOSA TRENCH CONFIRM THAT THERE ARE NO UNDERGROUND CONFLICTS WITH PROPOSED SINGLE TRENCH LOCATIONS.

EXCAVATION AND DATA INFO:

PLACE NEW RISER ON POLE#684369E, 18' S/O C/L 28TH ST.

JOINT TRENCH 23'

TRENCH 9'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE.

TRENCH 9'

PLACE ONE NEW POLE OF 40' HEIGHT AT 5' DISTANCE FROM NEW HANDHOLE (2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE.

PLACE ONE NEW ANCHOR AT 20' DISTANCE FROM NEW POLE (17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 60' E/O C/L HERMOSA AVE.

JOINT TRENCH 146' WITH SCE. TRENCH 40' JOINT TRENCH 122' WITH SCE. TRENCH 24'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 24' W/O C/L HERMOSA AVE AND 32' N/O C/L 27TH ST.

JOINT TRENCH 391' WITH SCE. TRENCH 8' TRENCH 8'

PLACE ONE (1) NEW 24"X36" HANDHOLE 57' W/O C/L HERMOSA AVE AND 62' S/O C/L 30TH ST.

TRENCH 51'

JOINT TRENCH 459' WITH SCE.

TRENCH 8', TRENCH 6',

PLACE ONE (1) NEW 24"X36" HANDHOLE 56' N/O C/L LONG FELLOW AVE AND 54' W/O C/L HERMOSA AVE.

TRENCH 61', JOINT TRENCH 372' WITH SCE. TRENCH 49' JOINT TRENCH 75'

PLACE ONE (1) NEW 24"X36" HANDHOLE 64' W/O C/L HERMOSA AVE AND 47' S/O C/L 35TH ST.

TRENCH 17'

TRENCH 22'

TOTAL: 2792 SQ FT

NOTE: **QUANTITIES PROVIDED ARE** ESTIMATED. REMOVAL AND REPLACEMENT OF ALL EXISTING **CONCRETE AND ASPHALT** SURFACES SHALL BE PER CITY STANDARDS. CONTRACTOR RESPONSIBLE FOR VERIFYING ACTUAL QUANTITIES.

CITY OF HERMOSA BEACH

	REVISIONS							
NO.	DATE	DESCRIPTIONS						
			N					
			N					
			В					
			P					
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			J					
			T					

FREE

www.call811.com

TWO WORKING DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT

Contact USA

Dial 811 or 800-422-4133

www.digalert.org/contact

For Underground Locating

Two Working Days Before You Dig

NOTE:

D16: Rev. 05/28/20

UNDERGROUND SERVICE ALERT

UNDERGOUND					
SCOPE OF W	ORK				
NEW HAND HOLE	5				
NEW PEDESTAL	0				
BORE PITS	0				
POT HOLES	0				
TRENCH FT.	295'				
JOINT TRENCH FT.	1588'				
TOTAL CONDUIT FT.	1883'				

AERIAL/UNDERGROUND						
SCOPE OF W	ORK					
AERIAL OVERLASH FT.	0					
NEW AERIAL CONST. FT.	0					
NEW RISER(S)	0					
NEW ANCHOR(S)	0					
NEW POLE(S)	0					
EX. UNDERGROUND FT.	0					
TOTAL CABLE INSTALL FT.	0					

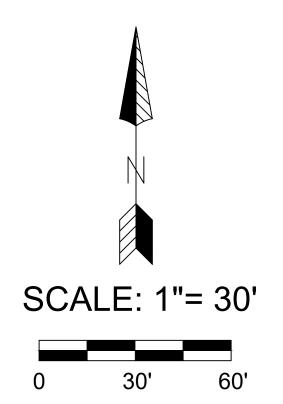
LEGEND								
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES	
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV	
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———	
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	F0	
PEDESTAL	P	RISER POLE	- R -	CENTERLINE		GAS	GAS	
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss	
STREET LIGHT	\ \	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD	
FIRE HYDRANT	<u> </u>	ANCHORS /		PROPOSED TRENCH		TELEPHONE	тт	
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w	

KEY NOTES:

- PLACE 24"X36" CROWN CASTLE FIBER PULLBOX (JENSEN PRECAST TRAFFIC RATED VAULT, MODEL# HT2436) 6' BEHIND CURB FACE IN CONCRETE STREET. STA: 55+94 (SEE PULLBOX DETAIL IN SHEET 3 OF 9)
- 8. REMOVE AND REPLACE 147 SQ. FT. OF CONCRETE STREET" SHALL BE PER CITY STANDARDS"

11. SEE DETAIL ON SHEET 9 OF 9.

CONDUIT CURVE DATA					
ANGLE	RADIUS	LENGTH			
90	5'	8'			
90	5'	8'			
48	5'	4'			
48	5'	4 '			





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2042 S GROVE AVE ONTARIO, CA 91761

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CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

2 2" JOINT TRENCH 2" TRENCH 2 2" TRENCH

18' S/O C/L 28TH ST.

EXCAVATION AND DATA INFO:

PLACE NEW RISER ON POLE#684369E,

JOINT TRENCH 23'

TRENCH 9'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE.

TRENCH 9'

PLACE ONE NEW POLE OF 40' HEIGHT AT 5' DISTANCE FROM NEW HANDHOLE (2'x3'x2' HANDHOLE 17' S/O C/L 28TH ST AND 92' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE.

PLACE ONE NEW ANCHOR AT 20' DISTANCE

FROM NEW POLE (17' S/O C/L 28TH ST AND 83' E/O C/L HERMOSA AVE) 17' S/O C/L 28TH ST AND 60' E/O C/L HERMOSA AVE.

JOINT TRENCH 146' WITH SCE. TRENCH 40' JOINT TRENCH 122' WITH SCE. TRENCH 24'

PLACE ONE (1) NEW 2'x3'x2' HANDHOLE 24' W/O C/L HERMOSA AVE AND 32' N/O C/L 27TH ST.

JOINT TRENCH 391' WITH SCE. TRENCH 8' TRENCH 8'

PLACE ONE (1) NEW 24"X36" HANDHOLE 57' W/O C/L HERMOSA AVE AND 62' S/O C/L 30TH ST.

TRENCH 51'

JOINT TRENCH 459' WITH SCE.

TRENCH 8', TRENCH 6',

PLACE ONE (1) NEW 24"X36" HANDHOLE 56' N/O C/L LONG FELLOW AVE AND 54' W/O C/L HERMOSA AVE.

TRENCH 61', JOINT TRENCH 372' WITH SCE. TRENCH 49' JOINT TRENCH 75' TRENCH 22'

PLACE ONE (1) NEW 24"X36" HANDHOLE 64' W/O C/L HERMOSA AVE AND 47' S/O C/L 35TH ST.

QUANTITIES.

TRENCH 17'

TOTAL: 2792 SQ FT

NOTE: QUANTITIES PROVIDED ARE ESTIMATED REMOVAL AND REPLACEMENT OF ALL **EXISTING CONCRETE AND ASPHALT** SURFACES SHALL BE PER CITY STANDARDS. CONTRACTOR

RESPONSIBLE FOR VERIFYING ACTUAL

CITY OF HERMOSA BEACH

TWO WORKING DAYS BEFORE YOU DIG REVISIONS DATE DESCRIPTIONS

D16: Rev. 05/28/20

UNDERGROUND SERVICE ALERT

UNDERGROUND SERVICE ALERT

Contact USA

Dial 811 or 800-422-4133

www.digalert.org/contact

For Underground Locating

Two Working Days Before You Dig

FREE

NOTE:

UNDERGOL	JND
SCOPE OF W	ORK
NEW HAND HOLE	5
NEW PEDESTAL	0
BORE PITS	0
POT HOLES	0
TRENCH FT.	295'
JOINT TRENCH FT.	1588'
TOTAL CONDUIT FT.	1883'

UNDERGROUND CONFLICTS WITH PROPOSED

CONFIRM THAT THERE ARE NO

SINGLE TRENCH LOCATIONS.

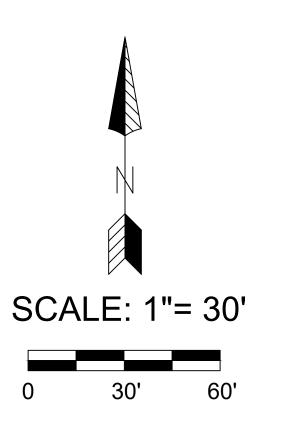
AERIAL/UNDERGROUND						
SCOPE OF W	ORK					
AERIAL OVERLASH FT.	0					
NEW AERIAL CONST. FT.	0					
NEW RISER(S)	0					
NEW ANCHOR(S)	0					
NEW POLE(S)	0					
EX. UNDERGROUND FT.	0					
TOTAL CABLE INSTALL FT.	0					

LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———
VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	FO
PEDESTAL	P	RISER POLE	- R -	CENTERLINE		GAS	GAS
HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	
STREET LIGHT	-\$	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD
FIRE HYDRANT	<u></u>	ANCHORS /		PROPOSED TRENCH		TELEPHONE	т
POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w

KEY NOTES:

- 9. PLACE 24"X36" CROWN CASTLE FIBER PULLBOX (JENSEN PRECAST TRAFFIC RATED VAULT, MODEL# HT2436 15' BEHIND CURB IN CONCRETE STREET. STA: 50+47
- (SEE PULLBOX DETAIL IN SHEET 3 OF 9) 10. REMOVE AND REPLACE 545 SQ FT OF CONCRETE STREET "SHALL BE PER CITY STANDARDS"
- 11. SEE DETAIL ON SHEET 9 OF 9

CONDUIT CURVE DATA						
ANGLE	RADIUS	LENGTH				
90	5'	8'				
90	5'	8'				
35	5'	3'				
35	5'	3'				
22	5'	2'				
22	5'	2'				





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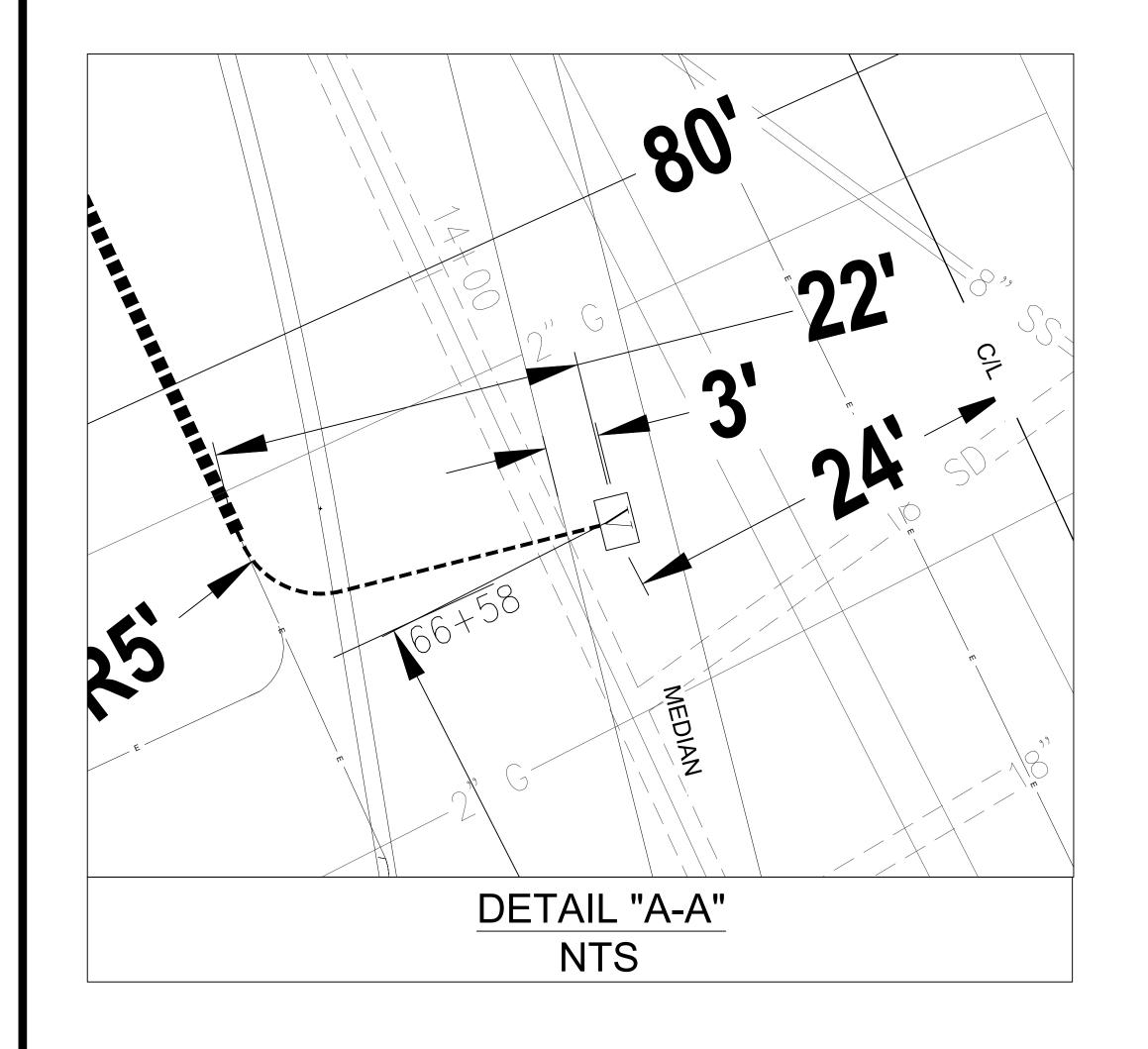
PROJECT MANAGER: CHRIS SABANDO

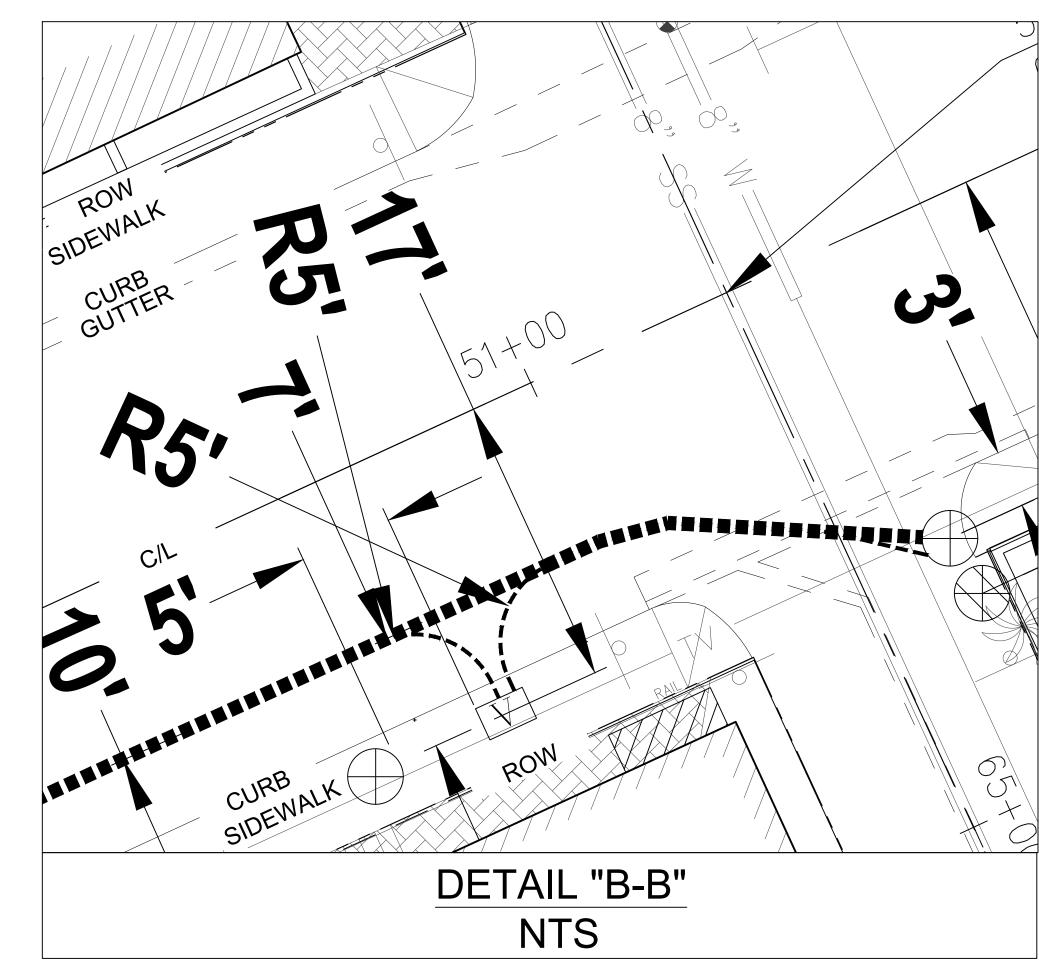
CELL: 909-731-8116 PHONE 909-230-5170

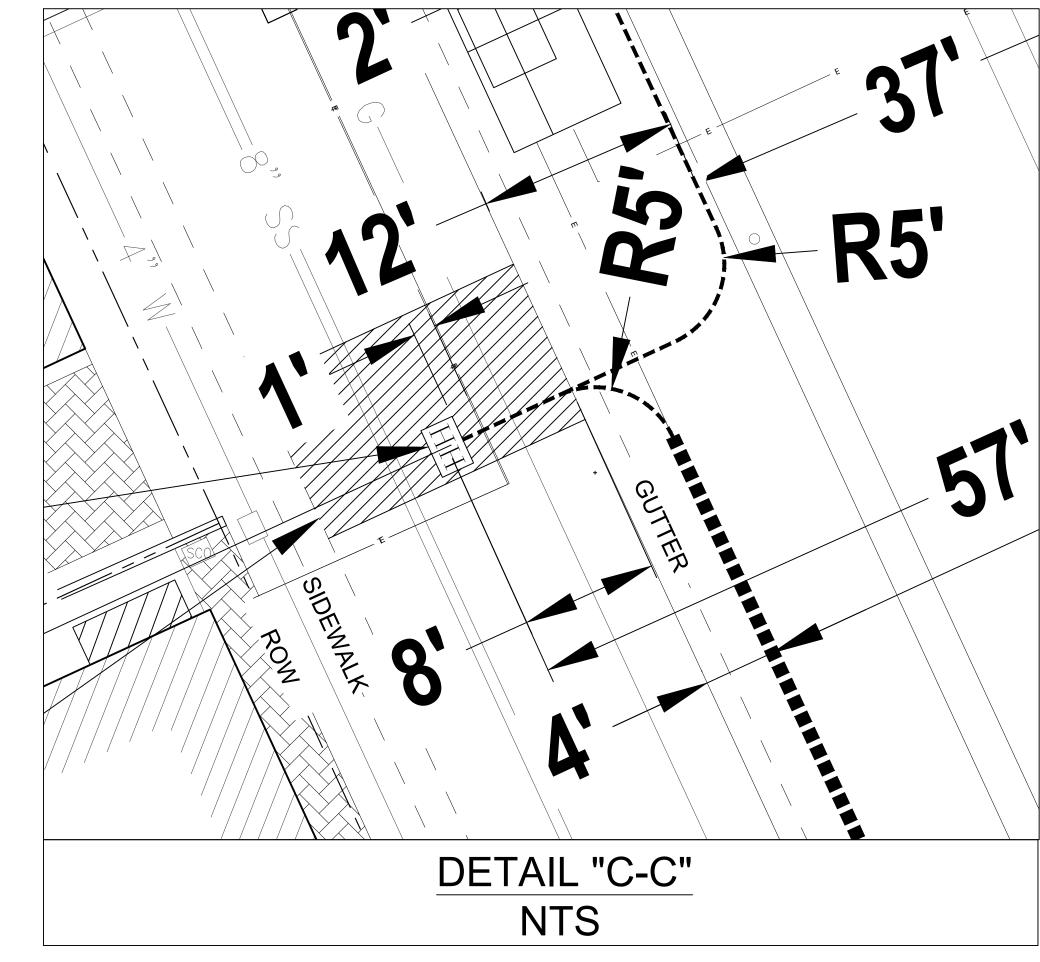
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



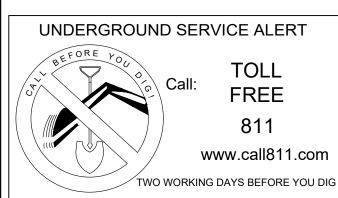
PROJECT ID: HERMOSA BEACH







CITY OF HERMOSA BEACH



TWO WORKING DAYS BEFORE YOU DIG REVISI DATE DESC

ONS	UNDERGOL	JND				
RIPTIONS	SCOPE OF WORK					
	NEW HAND HOLE	5				
	NEW PEDESTAL	0				
	BORE PITS	0				
	POT HOLES	0				
	TRENCH FT.	295'				
	JOINT TRENCH FT.	1588'				
	TOTAL CONDUIT FT.	1883'				
·						

AERIAL/UNDERC	ROUND						
SCOPE OF WORK							
AERIAL OVERLASH FT.	0						
NEW AERIAL CONST. FT.	0						
NEW RISER(S)	0						
NEW ANCHOR(S)	0						
NEW POLE(S)	0						
EX. UNDERGROUND FT.	0						
TOTAL CABLE INSTALL FT.	0						

D					LEGEND	•		
	EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
	UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
	MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———
	VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	F0
	PEDESTAL	P	RISER POLE	-(R)-	CENTERLINE		GAS	GAS
	HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	
	STREET LIGHT	\	COUNT 2 ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD
	FIRE HYDRANT	<u> </u>	ANCHORS		PROPOSED TRENCH		TELEPHONE	т
	POT HOLE	Р	ANCHORS	<u> </u>	PROPOSED JOINT TRENCH		WATER	w

XHHS

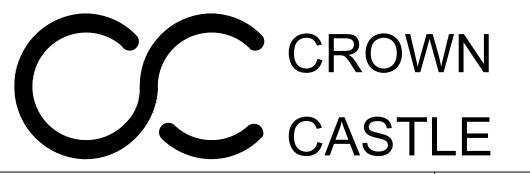
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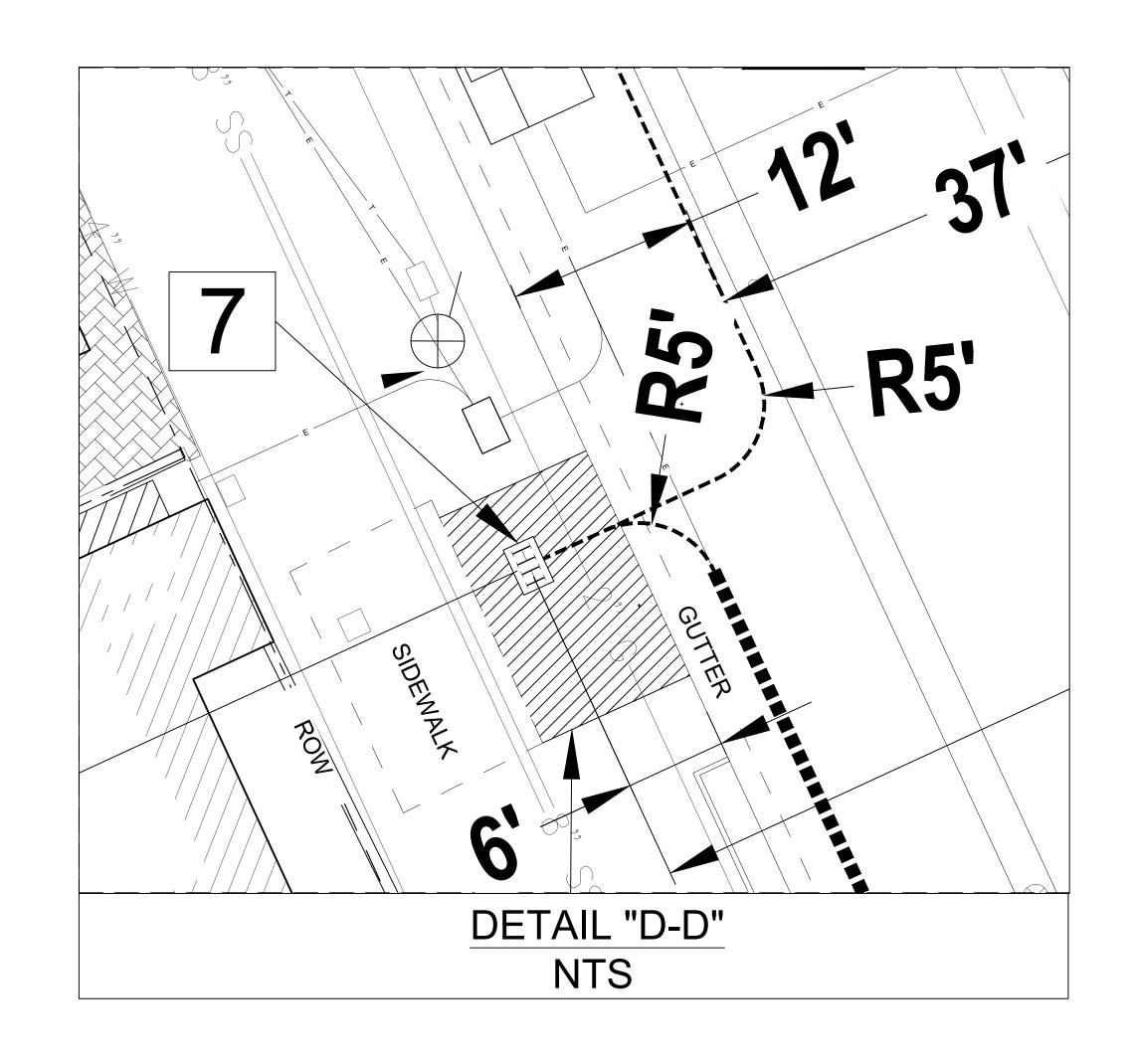
PROJECT MANAGER: CHRIS SABANDO

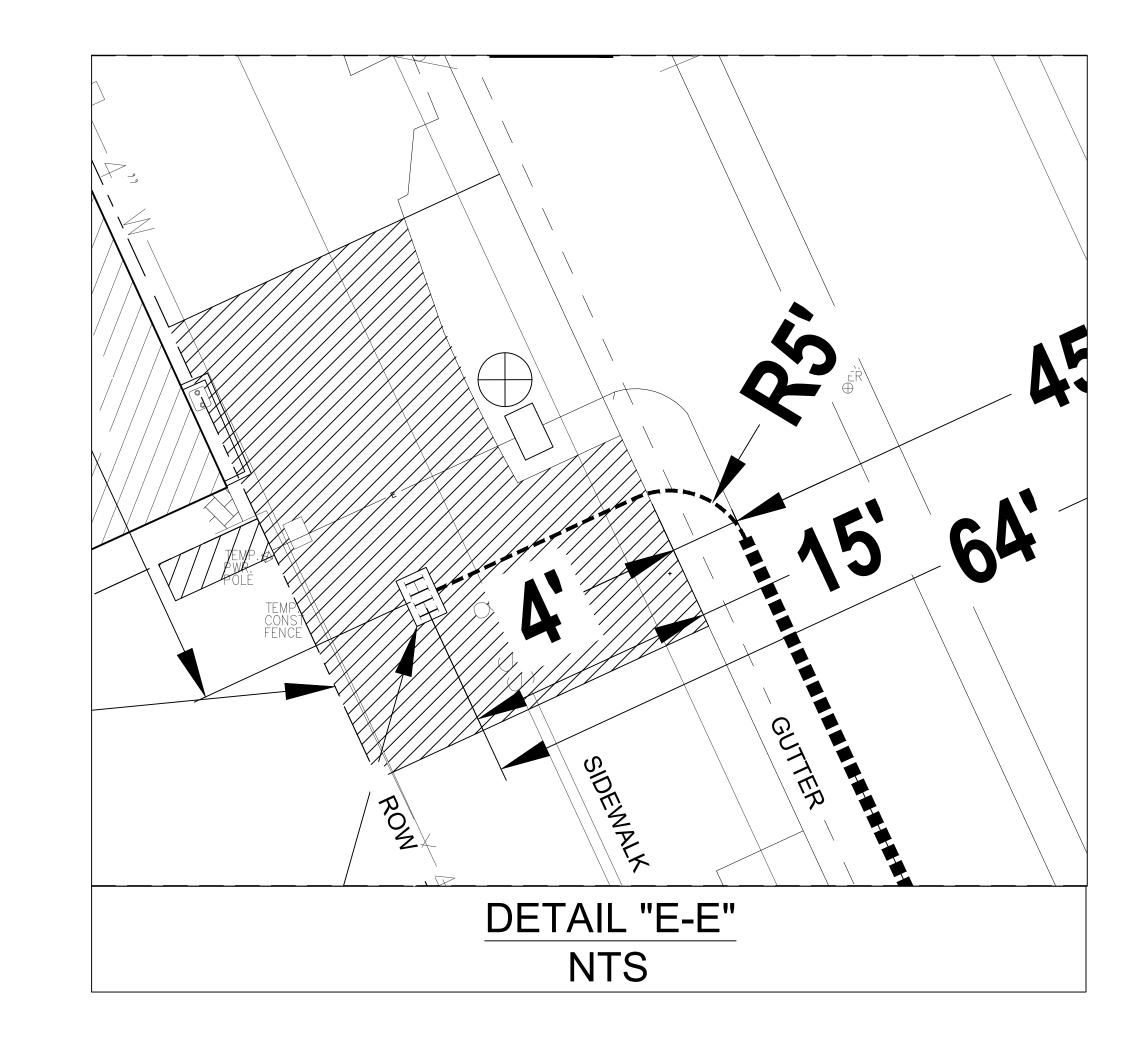
CELL: 909-731-8116 PHONE 909-230-5170

EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH





CITY OF HERMOSA BEACH



TWO WORKING DAYS BEFORE YOU DIG REVISIONS DATE DESCRIPTIONS

UNDERGOUND					
SCOPE OF WORK					
NEW HAND HOLE	5				
NEW PEDESTAL	0				
BORE PITS	0				
POT HOLES	0				
TRENCH FT.	295'				
JOINT TRENCH FT.	1588'				
TOTAL CONDUIT FT.	1883'				

AERIAL/UNDERGROUND						
SCOPE OF WORK						
AERIAL OVERLASH FT.	0					
NEW AERIAL CONST. FT.	0					
NEW RISER(S)	0					
NEW ANCHOR(S)	0					
NEW POLE(S)	0					
EX. UNDERGROUND FT.	0					
TOTAL CABLE INSTALL FT.	0					

5	LEGEND							
	EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
	UTILITY POLE	\otimes	NEW VAULT	V	CURB AND GUTTER (C&G)		CATV	TV
	MAN HOLE		NEW PEDESTAL	P	LANE STRIPING		ELECTRIC	——— Е ———
	VAULT	V	BORE PIT		RIGHT OF WAY		FIBER OPTIC	
	PEDESTAL	P	RISER POLE	- R -	CENTERLINE		GAS	GAS
	HAND HOLE	HH	CONDUIT # #"	CONDUIT SIZE	FENCE	x x	SANITARY SEWER	ss
	STREET LIGHT	\(\psi\	COUNT ###'	DISTANCE	PROPOSED BORE		STORM DRAIN	SD
	FIRE HYDRANT	<u></u>	ANCHORS		PROPOSED TRENCH		TELEPHONE	т
	POT HOLE	Р	ANUTURS	<u> </u>	PROPOSED JOINT TRENCH		WATER	———— w ————

ZHHS

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