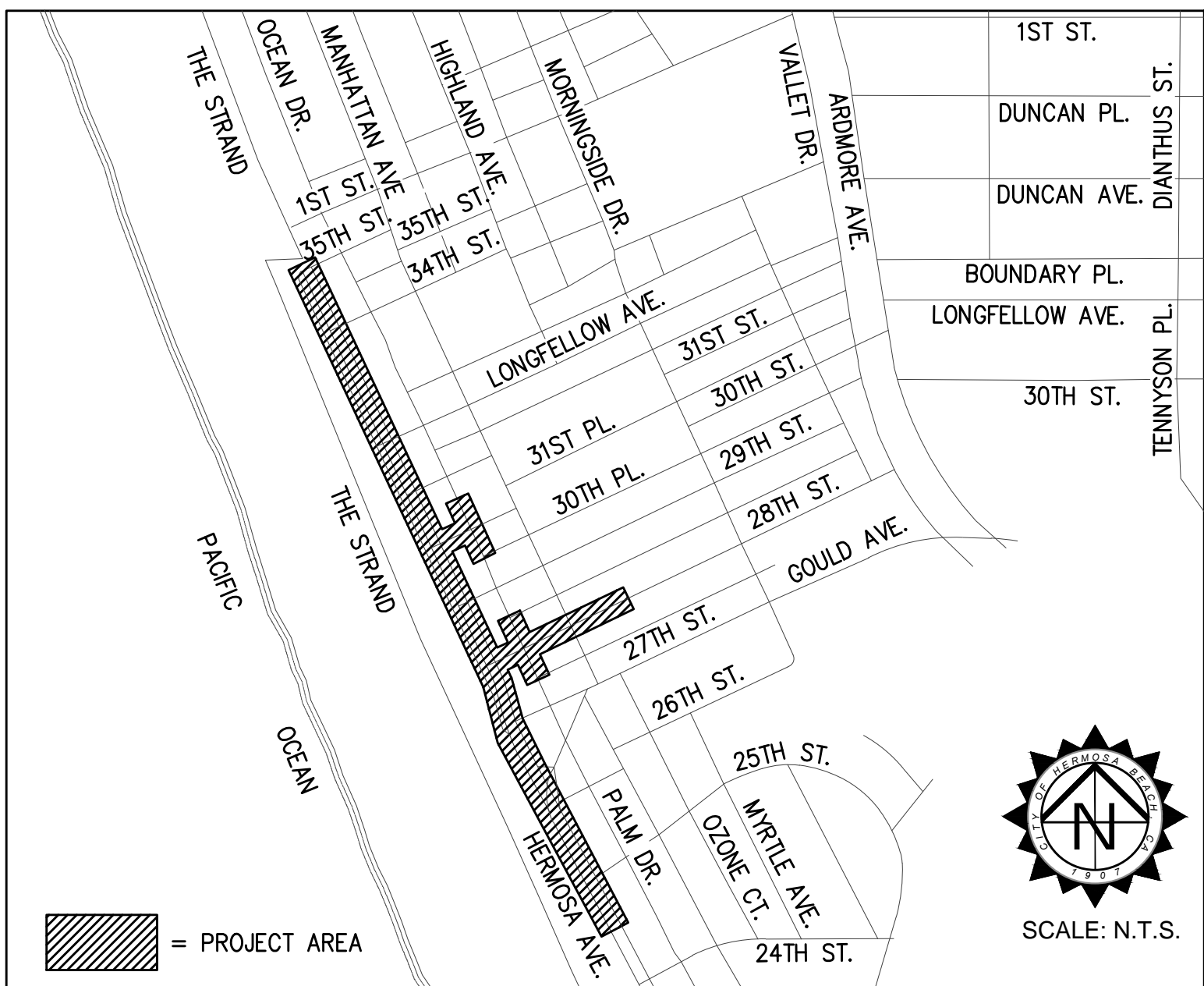


CITY OF HERMOSA BEACH  
CONSTRUCTION PLANS FOR  
GREENWICH VILLAGE NORTH  
UNDERGROUND UTILITIES ASSESSMENT DISTRICT



VICINITY MAP  
NO SCALE



LOCATION MAP  
NO SCALE

GENERAL NOTES:

- CONSTRUCTION WORK HOURS ARE LIMITED TO 8:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY. WORK PROHIBITED ON SATURDAYS, SUNDAYS AND NATIONAL HOLIDAYS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), AND CITY OF HERMOSA BEACH PUBLIC WORKS STANDARD PLANS.
- 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 LICENSE FOR ALL SIDEWALK, CURB AND GUTTER; C-12 LICENSE FOR ALL STREET PAVEMENT WORK; AND CLASS C-34 LICENSE FOR UTILITY WORK SUCH AS SEWER LATERAL, SEWER CAP AND UNDERGROUND UTILITY WORK IN CONJUNCTION WITH A SINGLE FAMILY RESIDENTIAL STRUCTURE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS. PUBLIC WORKS TEMPORARY RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ANY SCAFFOLDING, UTILITY TRENCHING, LUMBER DROPS, CRANES, DUMPSTERS, ETC. ON PUBLIC PROPERTY. THE PUBLIC WORKS PERMIT MUST BE ON THE JOB SITE AND AVAILABLE FOR REVIEW BY CITY OFFICIALS AT ALL TIMES. IF ANY WORK HAS BEGUN BEFORE OBTAINING A PERMIT, THE JOB WILL BE STOPPED UNTIL THE PERMIT IS OBTAINED.
- ALL CONTRACTORS WORKING ON PUBLIC WORKS PROJECTS MUST HAVE A CURRENT CITY OF HERMOSA BEACH BUSINESS LICENSE.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 TWO WORKING DAYS 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.
- ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPENED TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- CONTACT PUBLIC WORKS FOR INSPECTION AT LEAST 24 HOURS IN ADVANCE. INSPECTIONS ARE AVAILABLE MONDAY THROUGH FRIDAY, 8:30 A.M. TO 12:00 P.M. AND 1:00 P.M. TO 4:30 P.M.; OFFICE COUNTER ASSISTANCE IS AVAILABLE FROM 7:00 A.M. TO 8:30 A.M. AND 4:30 P.M. TO 6:00 P.M.
- ALL FORMS AND COMPACTION SHALL BE INSPECTED PRIOR TO ANY CONCRETE POUR OR ASPHALT BEING PLACED.
- ALL SURVEY POINTS AND MONUMENTS SHALL BE PROTECTED IN PLACE OR RE-ESTABLISHED IF THEY ARE REMOVED OR DESTROYED DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL, DUST CONTROL, AND TEMPORARY DRAINAGE CONTROL AT ALL TIMES.
- ALL CONSTRUCTION TO BE IN CONFORMANCE WITH THE REGULATIONS OF CAL-OSHA.

GENERAL NOTES FOR STREET AND STORM DRAIN IMPROVEMENTS:

- 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 AND REPLACEMENT.
- 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.
- 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.
- AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC EMULSION.

GENERAL NOTES FOR SEWER AND UTILITY IMPROVEMENTS:

- SEPARATION OF SEWER AND WATER FACILITIES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPT OF HEALTH SERVICES.
- SEWER LATERALS SHALL BE CONNECTED TO THE SEWER MAIN WITH WYES.
- THE SEWER LINE SHALL BE TESTED PRIOR TO MAKING PERMANENT SERVICE CONNECTIONS.
- 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.
- 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 MECHANICAL MEANS TO A HEIGHT SLIGHTLY HIGHER THAN THE EXISTING ASPHALT.
- 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 OR MEDIUM BROOM.
- 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.

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.
- 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 GOOD REPAIR UNTIL THE PERMANENT SIDEWALK IS CONSTRUCTED.
- ALL VEHICLES THAT INTRUDE INTO A NORMAL TRAFFIC LANE MUST HAVE PROPER SIGNAGE AND BARRICADES AS REQUIRED BY THE WATCH MANUAL.
- ALL WORK VEHICLES ARE SUBJECT TO ALL APPLICABLE PARKING RESTRICTIONS.
- 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.
- 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.
- 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.
- COVER OR BARRICADE STORM DRAIN OPENINGS DURING SAW-CUTTING.
- DURING CONSTRUCTION:
  - PROTECT CATCH BASINS AND MAINTENANCE HOLES WHEN APPLYING SEAL COAT, SLURRY SEAL, FOG SEAL, ETC.
  - USE CHECK DAMS, DITCHES, OR BERMS TO DIVERT RUNOFF AROUND EXCAVATIONS.
  - COLLECT AND RECYCLE EXCESS ABRASIVE GRAVEL OR SAND.
  - AVOID OVER-APPLICATION BY WATER TRUCKS FOR DUST CONTROL.
  - 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.
  - 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

GREENBOOK

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
	LINE
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

UTILITY / AGENCY CONTACTS

UTILITY COMPANY	CONTACT	E-MAIL	PHONE
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

<div>CALL TOLL FREE</div> <div>811®</div> <div>Know what's below. Call two working before you dig. Underground Service Alert.</div>	REVISIONS		<div></div> <div>PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214</div>	REVIEWED BY:	RECOMMENDED BY:	TITLE SHEET	PLAN NO.	
	No.	DESCRIPTION		DATE				-
				DATE	DATE	GREENWICH VILLAGE NORTH		
				DATE	DATE	UNDERGROUND UTILITIES ASSESSMENT DISTRICT	SHT. <u>1</u> OF <u>36</u>	



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.


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.

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.

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.

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

<div><div>CALL TOLL FREE</div><div></div><div>Know what's below. Call two working before you dig. Underground Service Alert</div></div>	REVISIONS			CITY OF HERMOSA BEACH PUBLIC WORKS DEPARTMENT		GENERAL CONSTRUCTION NOTES		SHEET DESIGNATION
	No.	DESCRIPTION	DATE					
				REVIEWED BY:	RECOMMENDED BY:	GREENWICH VILLAGE NORTH	SHT. 2 OF 36	
						UNDERGROUND UTILITIES ASSESSMENT DISTRICT		
			DATE	DATE				



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.

<div>CALL TOLL FREE</div> <div>811®</div> <div>Know what's below. Call two working before you dig. Underground Service Alert</div>	REVISIONS			CITY OF HERMOSA BEACH PUBLIC WORKS DEPARTMENT		GENERAL CONSTRUCTION NOTES (CONTINUED)		SHEET DESIGNATION
	No.	DESCRIPTION	DATE					
				REVIEWED BY:	RECOMMENDED BY:	GREENWICH VILLAGE NORTH		
			DATE	DATE	UNDERGROUND UTILITIES ASSESSMENT DISTRICT	SHT. 3 OF 36		







[illegible]

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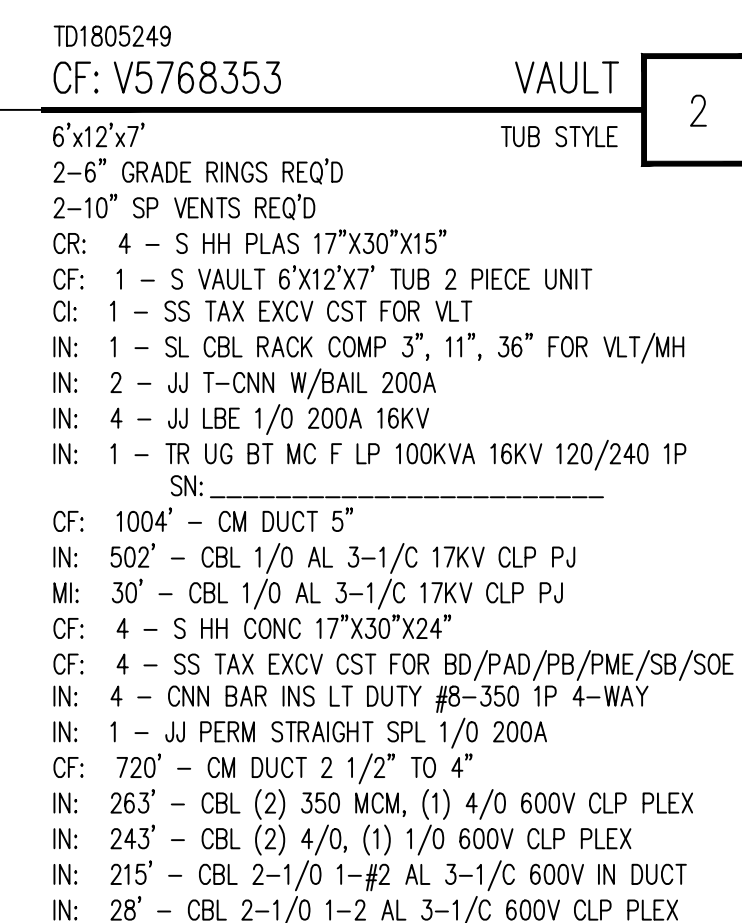












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**Contact USA**  
**Dial 811 or 800-422-4133**

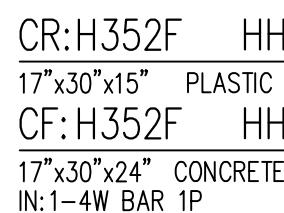
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For Underground Locating  
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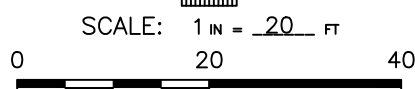
D16: Rev. 05/28/20

DISTRICT 44 - SOUTH BAY		PROJ. MGR. GICCARELLI, ROBERT		PLANNER MATAS, ANTHONY R		DESIGNER CAMARENA, FRANCISCO	
DATE OF SERVICE REQUEST 12/29/2014		MSR NO. 1805249-RULE 20B-UG INSTALL		PROJECT-2 1805252		ASSOC DESIGN 1361592	
CIRCUIT / VOLTAGE WYING 10KV		GPRS		PROJECT-3		ASSOC DESIGN 1361595	
SUB / PG. NO. VICTORIA		CIRCUIT CODE 09270		PROJECT-3 1805252		ASSOC DESIGN 1361599	
INVENTORY MAP SEE ABOVE		I.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT HERMOSA AVE, 34TH TO 26TH ST HERMOSA BEACH CA 90254			
F 2/9/2023		T.TIAN		N.S.EDITORIAL			
P 10/31/22		T. TAN		R. WITCHELL			
M 09/27/21		OF/DESIGN		EX/DESIGN			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRWG NO.
Southern California Edison Company						4 of 11	1361592_1.01





CR:H352E HH  
17"x30"x15" PLASTIC  
CF:H352E HH  
17"x30"x24" CONCRETE  
IN:1-4W BAR 1P



GRID MAP NO:  
LT-6949-F  
LT-6949-H  
LT-6948-B  
LT-7048-A  
LT-7048-A3  
LT-7049-G

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

DATE	REVISION DESCRIPTION	APPROVED	DRAWN	CHECKED
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 /

DISTRICT 44 - "SOUTH BAY"		PHOTO. MR. OCCARELLI, ROBERT		PLANNER MATHEAS, ANTHONY R		DESIGNER CAMARENA, FRANCISCO	
PROJECT NO. 2129449		SERVICE REQUEST 3025080		MSR NO. 1805249-RULE 20B-UG INSTALL		ASSIGN DESIGN 1361592	
CIRCUIT / VOLTAGE KNOX 16KV		GPS		PROJECT-2 1805252		ASSIGN DESIGN 1361595	
SUBJ / PG NO. VICTORIA		CIRCUIT CODE 09270		PROJECT-3 1805252		ASSIGN DESIGN 1361599	
INVENTORY MAP SEE ABOVE		I.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH 20B ASSESSMENT DISTRICT HERMOSA AVE, 34TH TO 26TH STREET HERMOSA BEACH CA 90254			
F 2/9/2013		T.T.RAN		N.S.DONTARI			
P 10/31/12		T. TRAN		R. MITCHELL			
B 09/27/21		OF QUES/AT		QUES/EX			
TYPE		DATE		APPROVED BY		CHECKED BY	
DRAWN BY		PAX #		SHEET		DESIGN/DRWG NO.	
Southern California Edison Company				5 of 11		1361592_1.01	

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

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

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Contact USA  
Dial 811 or 800-422-4133

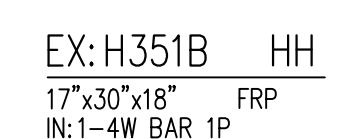
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016: Rev. 05/28/20







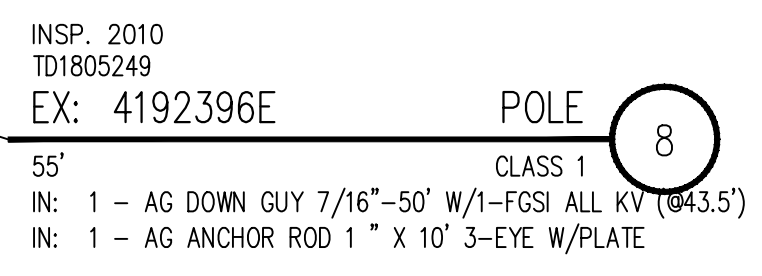


**SURVEYED**  
**DATE:** 8-30-21

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

DISTRICT 44 SOUTH BAY		PROJ. MGR. CICCARELLI, ROBERT		PLANNER PHONE 310.60508526		DESIGNER CAMERENA, FRANCISCO	
PROJECT NO. SERVICE REQUEST 2199449 3025080		MSR NO.		PROJECT-1 1805249-RULE 20B-UC INSTALL		ASSOC DESG 1361592	
CIRCUIT / VOLTAGE KING TRKV		GPS		PROJECT-2 1805252		ASSOC DESG 1361595	
SUB / PG NO. SUB		CIRCUIT CODE 09270		PROJECT-3 1805252		ASSOC DESG 1361595	
INDUSTRY MAP SEE ABOVE		I.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT HERMOSA AVE, 34TH TO 26TH ST HERMOSA BEACH CA 90254			
T 2/9/2023		T.T.RAN		N.S.HIDHARI			
P 10/31/22		T. RAN		R. MITCHELL			
B 09/27/21		OF QUES/IT		QUES/EX			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAGE #	SHEET	DESIGN/DRWG NO.
Southern California Edison Company						7	11
						1361592	1.01





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CF:H350C HH  
17"x30"x24" CONCRETE  
IN:1-4W BAR 1P



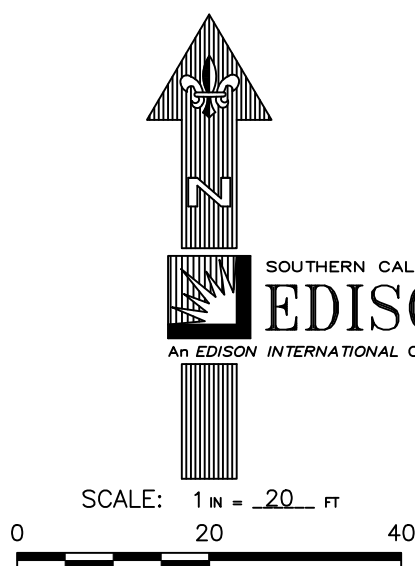
**UNDERGROUND SERVICE ALERT**  
**Contact USA**  
**Dial 811 or 800-422-4133**

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DATE	REVISION	DESCRIPTION	APPROVED	DRAWN	CHECKED	DISTRICT 44 - SOUTH BAY	PROJ. MGR. CICCARELLI, ROBERT PHONE	PLANNER MATAS, ANTHONY R PHONE 3106085226	DESIGNER CAMARENA, FRANCISCO	ASSOC. DESIGN 1361592			
						PROJECT NO. 2129449	SERVICE REQUEST 3025080	MSR NO.	PRODUCT-1 1805249-RULE 20B-UG INSTALL	ASSOC. DESIGN 1361592			
						CIRCUIT / VOLTAGE KING 16KV		GPS	PRODUCT-2 1805252	ASSOC. DESIGN 1361595			
						SUB / PG. NO. VICTORIA		CIRCUIT CODE 09270	PRODUCT-3 1805252	ASSOC. DESIGN 1361595			
						INVENTORY MAP SEE ABOVE	J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT				
						F 2/9/2023	T. TRAN	N. S. EXHARI	HERMOSA AVE, 34TH TO 26TH ST				
						P 10/31/22	T. TRAN	R. WITHELL	HERMOSA BEACH CA 90254				
						B 09/27/21	OF/OKS/ET	QUES/EX					
12/15/22	ADDED DET. POLE STATIONS, MINOR CORRECTIONS		AM	RW	TT	TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRWG NO.
2/25/22	QUES - ADDED ADDITIONAL UG BASEMAP (PAGE 10) 02/17/22			EK	OF/AR	Southern California Edison Company						8 of 11	1361592_1.01





FINAL DESIGN  
APPROVED FOR CONSTRUCTION

DATE	REVISION DESCRIPTION	APPROVED	DRAWN	CHECKED	44 - SOUTH BAY PROJECT NO. SERVICE REQUEST 2129443 13025080 CIRCUIT / VOLTAGE KING 16KV SUB / PG NO. VICTORIA	PHONE 3106852226	PHONE 3106852226	CAMARENA, FRANCISCO
					MSR NO. PRODUCT- 1805249-RULE 20B-UG INSTALL			ASSOC DESIGN 1361592_1.01
					GPS PRODUCT- 1805252			ASSOC DESIGN 1361592_1.01
					CIRCUIT CODE 09270 PRODUCT-3 1805252			ASSOC DESIGN 1361592_1.01
					INVENTORY MAP SEE ABOVE J.P.A. NO.			
					F 2/9/2023 T.I.RAN N.S.EKHITIARI			PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT HERMOSA AVE, 34TH TO 26TH ST HERMOSA BEACH CA 90254
					P 10/31/22 T. IRAN R. WITCHELL			
					B 09/27/21 OF QUES/IT QUES/EK			
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					
					TYPE DATE APPROVED BY CHECKED BY DRAWN BY PAX # SHEET			DESIGN/DWG NO.
					Southern California Edison Company	9	OF 11	1361592_1.01

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

SURVEYED  
DATE: 8-30-21

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**Dial 811 or 800-422-4133**

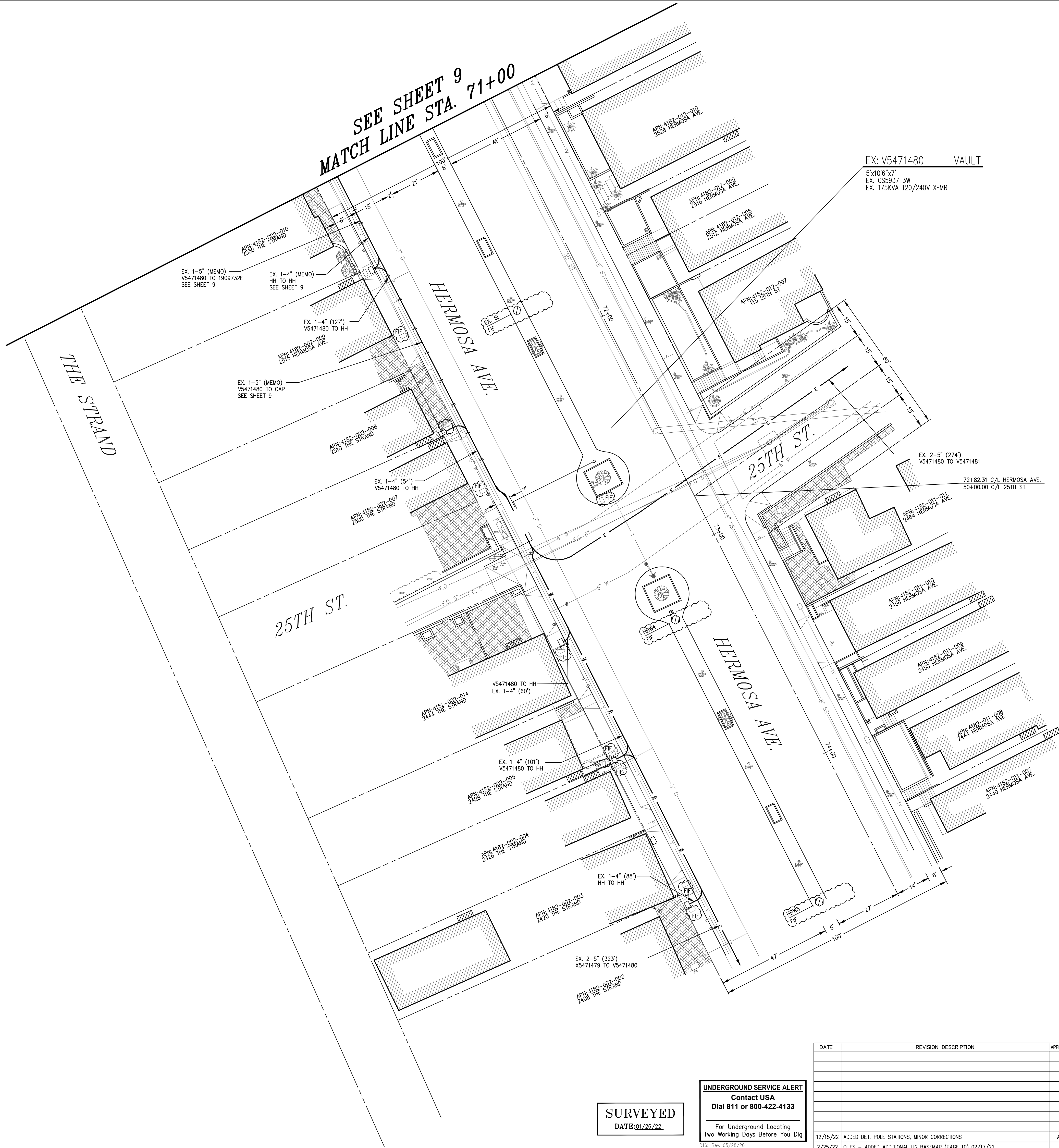
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**WARNING:**  
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LOCATION SHOWN. POTHOLE FOR EXACT LOCATIONS.



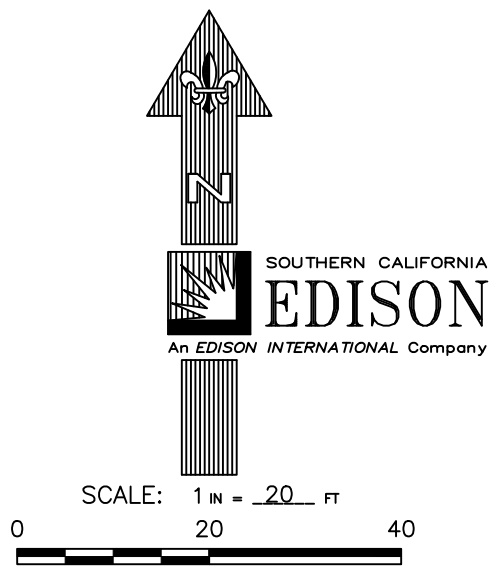
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DATE: 01/26/22

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For Underground Locating  
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0116: Rev. 05/28/20

DATE	REVISION DESCRIPTION	APPROVED	DRAWN	CHECKED
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

DISTRICT 44 - SOUTH BAY	PROJ. MGR. CICCARELLI, ROBERT PHONE	PLANNER MATAS, ANTHONY R PHONE 3106085226	DESIGNER CAMARENA, FRANCISCO
PROJECT NO. 2129449	SERVICE REQUEST 3025080	PRODUCT-1 1805249-RULE 20B-UG INSTALL	ASSOC. DESIGN 1361592
CIRCUIT / VOLTAGE KING 15KV	GPS	PRODUCT-2 1805252	ASSOC. DESIGN 1361595
SUB / PG. NO. VICTORIA	CIRCUIT CODE 09270	PRODUCT-3 1805252	ASSOC. DESIGN 1361595
INVENTORY MAP SEE ABOVE	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) GREENWICH VILLAGE NORTH R20B ASSESSMENT DISTRICT HERMOSA AVE., 34TH TO 26TH ST HERMOSA BEACH CA 90254	
F 2/9/2023	T. TRAN	N. SEXTON	
P 10/31/22	T. TRAN	R. WITHELL	
B 09/27/21	OF/QUES/IT	QUES/EK	
TYPE	DATE	APPROVED BY	CHECKED BY
		DRAWN BY	PAX #
Southern California Edison Company			
SHEET 10 of 11			DESIGN/DRWG NO. 1361592_1.01



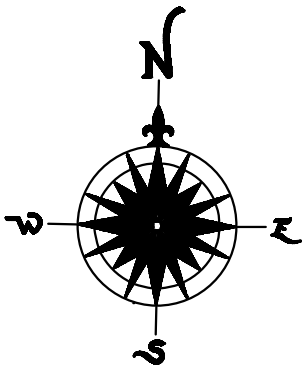
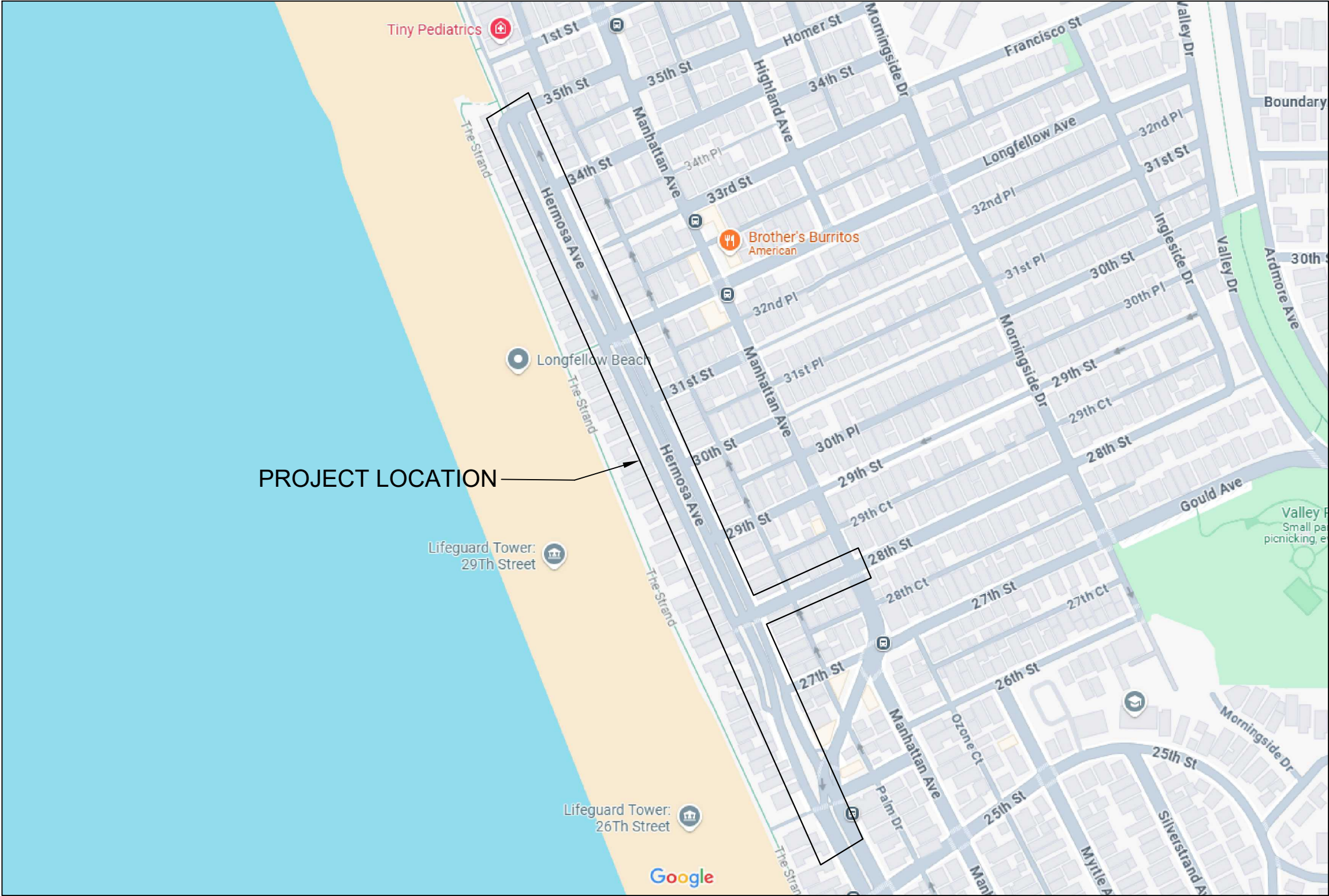
**FINAL DESIGN**  
APPROVED FOR CONSTRUCTION







VICINITY MAP



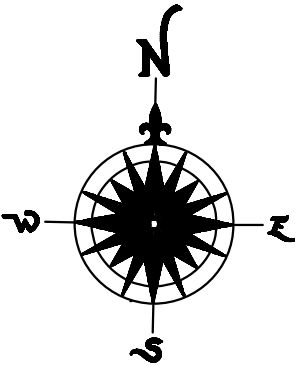
UNDERGROUND  
SERVICE ALERT  
OF SOUTHERN CALIFORNIA

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

Frontier		FRONTIER WORK ORDER 5285914_WO992039	
CITY HERMOSA BEACH		WIRE CENTER NAME: 90254	
ADDRESS 3436 HERMOSA AVE		W.O. TITLE: AND DESCRIPTION SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 3436 HERMOSA AVE	
DWG BY: CYIENT	SCALE: 1"=40'	DATE: 01/20/2025	



LEGEND	
FACILITIES	
○	FIRE HYDRANT
└┐	CATCH BASIN
△	SIGN BOARD
□	EXISTING HANDHOLE
☼	STREET LIGHT
⊗	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	
<div><div><div>#</div><div>#"</div><div>###"</div></div><div>CONDUIT SIZE</div><div>DISTANCE</div></div>	



UNDERGROUND  
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OF SOUTHERN CALIFORNIA

CALL 1-800-422-4133  
AT LEAST 2 BUSINESS DAYS  
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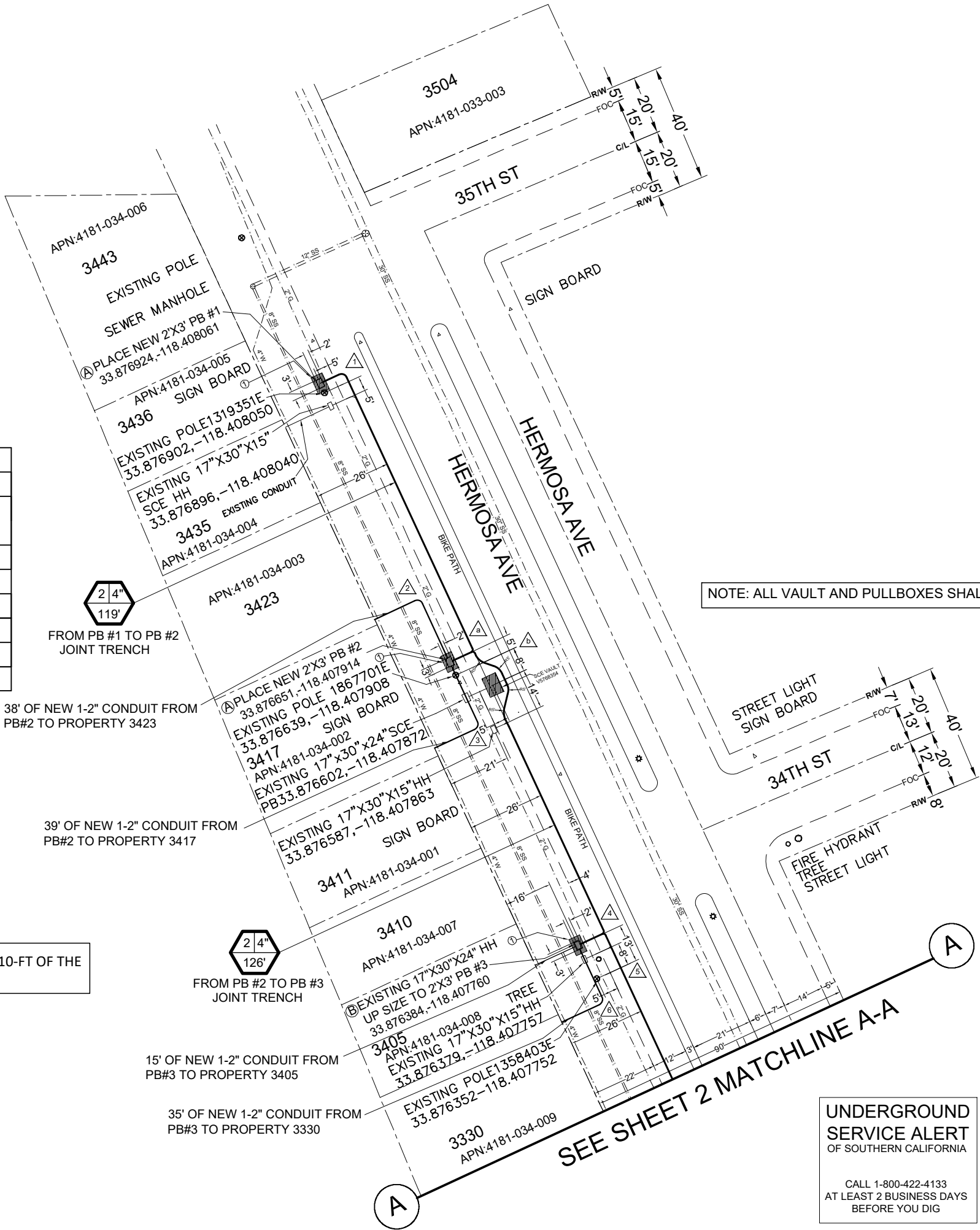
		FRONTIER WORK ORDER 5285914_WO992039	
CITY HERMOSA BEACH		WIRE CENTER NAME: 90254	
ADDRESS 3436 HERMOSA AVE		W.O. TITLE:AND DESCRIPTION SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 3436 HERMOSA AVE	
DWG BY: CYIENT	SCALE: 1"=40'	DATE: 01/20/2025	



CONDUIT CURVE DATA			
	ANGLE	RADIUS	LENGTH
1	90° 00' 00"	2'	3'
2	90° 00' 00"	2'	3'
a	90° 00' 00"	1'	2'
b	90° 00' 00"	1'	2'
3	90° 00' 00"	2'	3'
4	90° 00' 00"	1'	2'
5	90° 00' 00"	1'	2'
6	90° 00' 00"	2'	3'

"SPLIT Y" CONNECTION IS REQUIRED

NOTE: ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE PROPOSED CONDUIT ARE SHOWN



NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.

- KEY NOTES:
- 1

REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"
- A

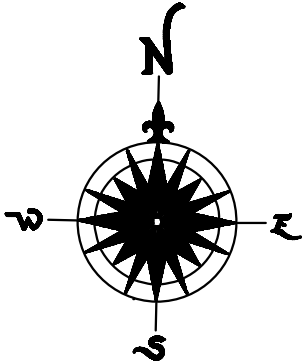
PLACE 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- B

EXISTING 17"X30"X24" HH UP SIZE TO 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- C

SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 238 FT  
TOTAL EXCAVATION: 60SQ FT  
PULLBOXES: 3  
NOTE: DOES NOT INCLUDE TRENCHES



Frontier

CITY

HERMOSA BEACH

ADDRESS

3436 HERMOSA AVE

FRONTIER WORK ORDER

5285914\_WO992039

WIRE CENTER NAME:

90254

W.O. TITLE:AND DESCRIPTION

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

DWG BY:

CYIENT

SCALE:

1"=40'

DATE:

01/20/2025

SHEET

01 OF 10

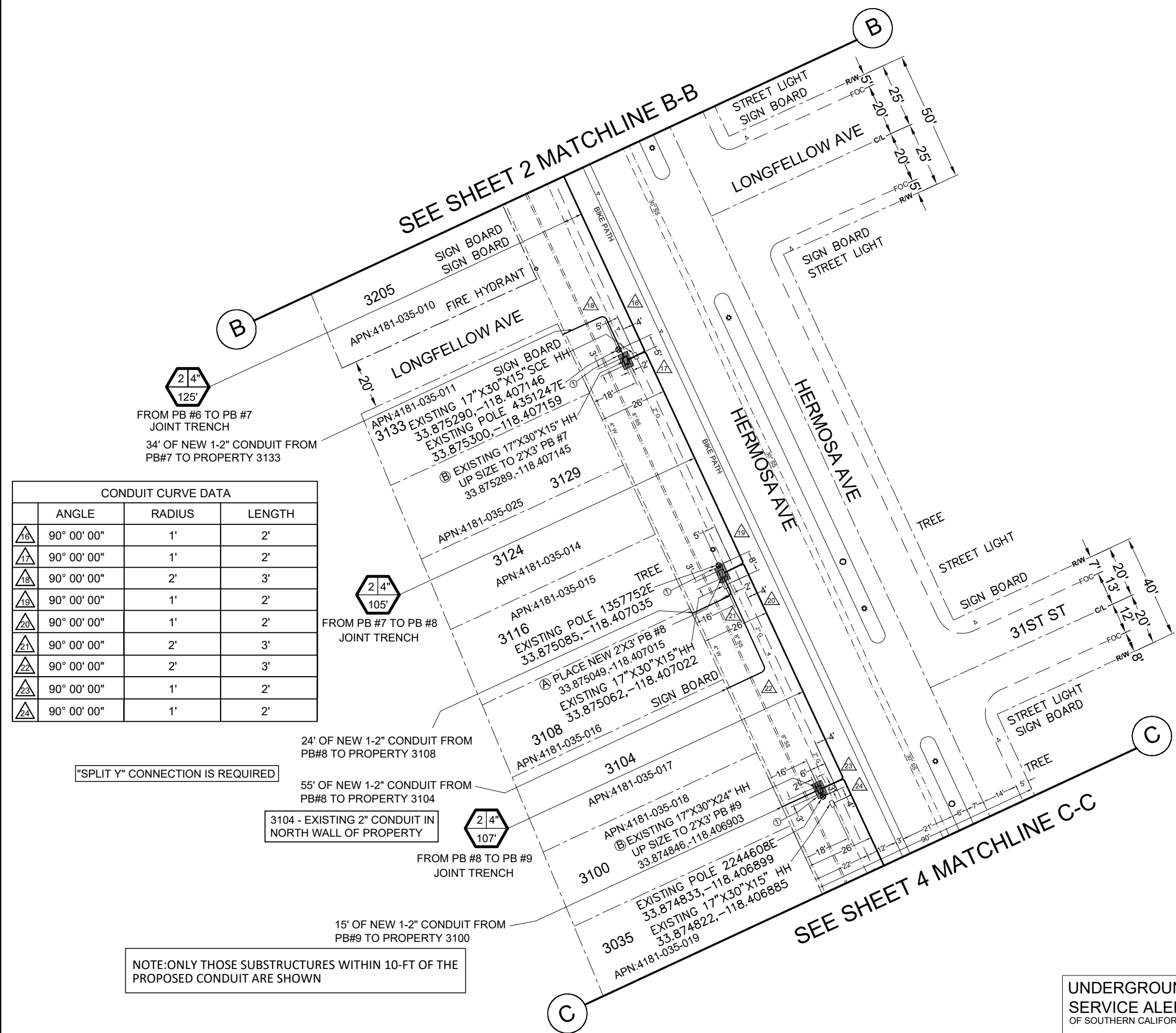
UNDERGROUND  
SERVICE ALERT  
OF SOUTHERN CALIFORNIA

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









CONDUIT CURVE DATA			
	ANGLE	RADIUS	LENGTH
16	90° 00' 00"	1'	2'
17	90° 00' 00"	1'	2'
18	90° 00' 00"	2'	3'
19	90° 00' 00"	1'	2'
20	90° 00' 00"	1'	2'
21	90° 00' 00"	2'	3'
22	90° 00' 00"	2'	3'
23	90° 00' 00"	1'	2'
24	90° 00' 00"	1'	2'

- KEY NOTES:
- 1

REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"
- A

PLACE 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- B

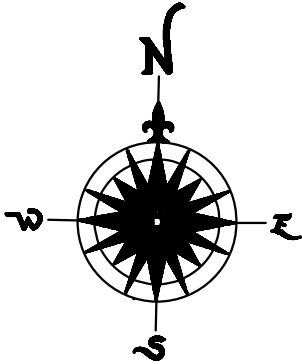
EXISTING 17"X30"X24" HH UP SIZE TO 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- E

SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 343 FT  
TOTAL EXCAVATION: 60SQ FT  
PULLBOXES: 3  
NOTE: DOES NOT INCLUDE TRENCHES

NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.



NOTE:ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE PROPOSED CONDUIT ARE SHOWN

UNDERGROUND  
SERVICE ALERT  
OF SOUTHERN CALIFORNIA

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

Frontier

CITY  
HERMOSA BEACH

ADDRESS  
3205 HERMOSA AVE

DWG BY:  
CYIENT

FRONTIER WORK ORDER  
5285914\_WO992039

WIRE CENTER NAME:  
90254

W.O. TITLE:AND DESCRIPTION  
SUBSTRUCTURE FOR PLACEMENT OF NEW  
CONDUIT AND HAND HOLES AT 3205 HERMOSA  
AVE

DATE:  
01/20/2025

SHEET  
03 OF 10

SCALE:  
1"=40'



SEE SHEET 3 MATCHLINE C-C

HERMOSA AVE

HERMOSA AVE

SEE SHEET 5 MATCHLINE D-D

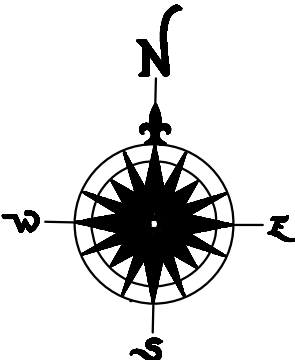
KEY NOTES:

- ① REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"
- Ⓐ PLACE 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- Ⓑ EXISTING 17"X30"X24" HH UP SIZE TO 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
- Ⓔ SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 350 FT  
TOTAL EXCAVATION: 60SQ FT  
PULLBOXES: 3  
NOTE: DOES NOT INCLUDE TRENCHES

NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.



UNDERGROUND  
SERVICE ALERT  
OF SOUTHERN CALIFORNIA

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

**Frontier**

FRONTIER WORK ORDER  
**5285914\_WO992039**  
WIRE CENTER NAME:  
**90254**

CITY  
**HERMOSA BEACH**  
  
ADDRESS  
**3033 HERMOSA AVE**

W.O. TITLE:AND DESCRIPTION  
**SUBSTRUCTURE FOR PLACEMENT OF NEW  
CONDUIT AND HAND HOLES AT 3033 HERMOSA  
AVE**

DWG BY:  
**CYIENT**

SCALE:  
**1"=40'**

DATE:  
**01/20/2025**

SHEET  
**04 OF 10**

CONDUIT CURVE DATA

	ANGLE	RADIUS	LENGTH
25	90° 00' 00"	1'	2'
26	90° 00' 00"	1'	2'
27	90° 00' 00"	2'	3'
28	90° 00' 00"	2'	3'
29	90° 00' 00"	1'	2'
30	90° 00' 00"	1'	2'
31	90° 00' 00"	1'	2'
32	90° 00' 00"	1'	2'

2 4"  
116'  
FROM PB # 9 TO PB #10  
JOINT TRENCH

38' OF NEW 1-2" CONDUIT FROM  
PB#10 TO PROPERTY 3031  
3031- EXISTING 1" CONDUIT IN GARAGE  
AT SOUTH SIDE OF PROPERTY

47' OF NEW 1-2" CONDUIT FROM  
PB#10 TO PROPERTY 3007  
3007- EXISTING 1" CONDUIT IN  
NORTH WALL OF PROPERTY

"SPLIT Y" CONNECTION IS REQUIRED  
FROM PB#10 TO PB #11  
JOINT TRENCH

NOTE:ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE  
PROPOSED CONDUIT ARE SHOWN

2 4"  
134'  
FROM PB#11 TO PB #12  
JOINT TRENCH

3033  
APN:4181-035-020

3031 33.874587,-118.406762  
APN:4181-035-021  
EXISTING POLE 944573E  
33.874601,-118.406761  
EXISTING 17"X30"X15" SCE HH  
SIGN BOARD

3007  
APN:4181-035-022  
EXISTING 17"X30"X15" HH  
UP SIZE TO 2'X3' PB #10  
33.874587,-118.406755  
SIGN BOARD

3003  
APN:4181-035-030  
EXISTING 17"X30"X15"HH  
UP SIZE TO 2'X3' PB #11  
33.874376,-118.406638  
EXISTING POLE 2247049E  
33.874361,-118.406632  
EXISTING HH  
33.874332,-118.406620

3001  
APN:4181-035-029  
APN:4181-035-024  
2930

30TH PL  
33.875049,-118.407015  
2918  
APN:4181-036-001  
EXISTING POLE 1909741E  
33.874077,-118.406476  
EXISTING 17"X30"X15"HH  
33.874070,-118.406469



SEE SHEET 4 MATCHLINE D-D

- KEY NOTES:
- ① REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"
  - ② REMOVE AND REPLACE 30 SQ FT OF CONCRETE STREET " SHALL BE PER CITY STANDARDS"
  - Ⓐ PLACE 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
  - Ⓑ EXISTING 17"X30"X24" HH UP SIZE TO 2'X3' PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
  - Ⓓ PLACE 30"X48" PULLBOX (SPECIFICATION:ANSI/SCTE 77 TIER 22, PROOF LOAD: 33,750 lbf (150 kN)
  - Ⓔ SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 394 FT  
TOTAL EXCAVATION: 70SQ FT  
PULLBOXES: 3  
NOTE: DOES NOT INCLUDE TRENCHES

NOTE:ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE PROPOSED CONDUIT ARE SHOWN

"SPLIT Y" CONNECTION IS REQUIRED

CONDUIT CURVE DATA			
	ANGLE	RADIUS	LENGTH
33	90° 00' 00"	1'	2'
34	90° 00' 00"	1'	2'
35	90° 00' 00"	2'	3'
36	90° 00' 00"	1'	2'
37	90° 00' 00"	1'	2'
38	90° 00' 00"	1'	2'
39	90° 00' 00"	10'	16'
40	34° 00' 00"	20'	12'

65' OF NEW 1-2" CONDUIT FROM PB#13 TO PROPERTY 2831

FROM PB #13 TO PB #14 JOINT TRENCH

58' OF NEW 1-2" CONDUIT FROM PB#14 TO PROPERTY 2800

2800 - NO EXISTING CONDUIT NEEDS NEW CONDUIT PLACED

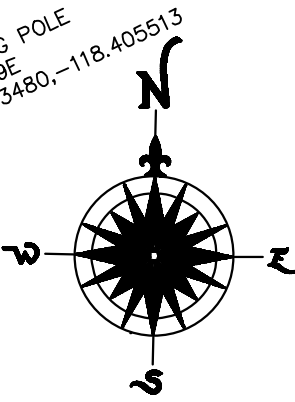
FROM PB # 14 TO PB #15 JOINT TRENCH

NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.

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BEFORE YOU DIG

<b>Frontier</b>		FRONTIER WORK ORDER <b>5285914_WO992039</b>	
CITY <b>HERMOSA BEACH</b>		WIRE CENTER NAME: <b>90254</b>	
ADDRESS <b>2909 HERMOSA AVE</b>		W.O. TITLE:AND DESCRIPTION <b>SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 2909 HERMOSA AVE</b>	
DWG BY: <b>CYIENT</b>	SCALE: <b>1"=40'</b>	DATE: <b>01/20/2025</b>	SHEET <b>05 OF 10</b>





KEY NOTES:

①

REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"

Ⓐ

PLACE 2'X3' PULLBOX  
(SPECIFICATION:ANSI/SCTE 77 TIER 22,  
PROOF LOAD: 33,750 lbf (150 kN)

Ⓑ

EXISTING 17"X30"X24" HH UP SIZE TO 2'X3' PULLBOX  
(SPECIFICATION:ANSI/SCTE 77 TIER 22,  
PROOF LOAD: 33,750 lbf (150 kN)

Ⓔ

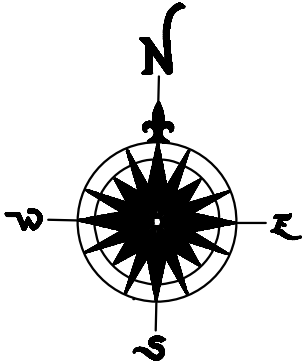
SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 376 FT  
TOTAL EXCAVATION: 60SQ FT  
PULLBOXES: 3  
NOTE: DOES NOT INCLUDE  
TRENCHES

NOTE:ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE  
PROPOSED CONDUIT ARE SHOWN

NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.



CONDUIT CURVE DATA			
	ANGLE	RADIUS	LENGTH
41	90° 00' 00"	1'	2'
42	90° 00' 00"	1'	2'
43	90° 00' 00"	1'	2'
44	90° 00' 00"	1'	2'
44	90° 00' 00"	2'	3'
45	90° 00' 00"	2'	3'
46	90° 00' 00"	1'	2'
47	90° 00' 00"	1'	2'
48	90° 00' 00"	2'	3'
49	24° 00' 00"	15'	6'
50	26° 00' 00"	10'	5'

UNDERGROUND  
SERVICE ALERT  
OF SOUTHERN CALIFORNIA

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

Frontier

CITY  
HERMOSA BEACH

ADDRESS  
2728 HERMOSA AVE

DWG BY:  
CYIENT

FRONTIER WORK ORDER  
5285914\_WO992039

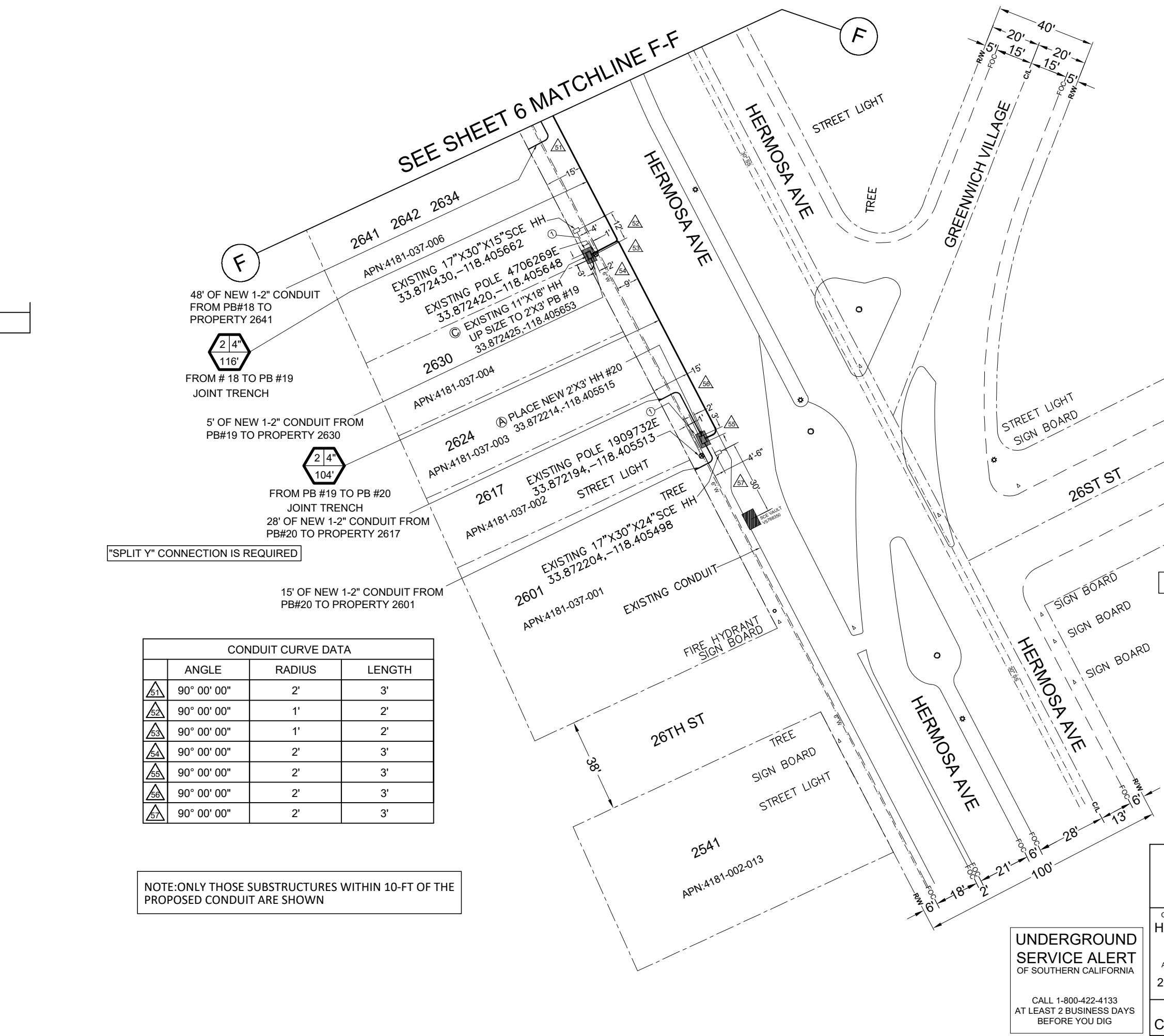
WIRE CENTER NAME:  
90254

W.O. TITLE:AND DESCRIPTION  
SUBSTRUCTURE FOR PLACEMENT OF NEW  
CONDUIT AND HAND HOLES AT 2728 HERMOSA  
AVE

DATE:  
01/20/2025

SHEET  
06 OF 10





KEY NOTES:

1

REMOVE AND REPLACE 20 SQ FT OF CONCRETE SIDEWALK " SHALL BE PER CITY STANDARDS"

A

PLACE 2'X3' PULLBOX  
(SPECIFICATION:ANSI/SCTE 77 TIER 22,  
PROOF LOAD: 33,750 lbf (150 kN)

C

EXISTING 11"X18" HH UP SIZE TO 2'X3' PULLBOX  
(SPECIFICATION:ANSI/SCTE 77 TIER 22,  
PROOF LOAD: 33,750 lbf (150 kN)

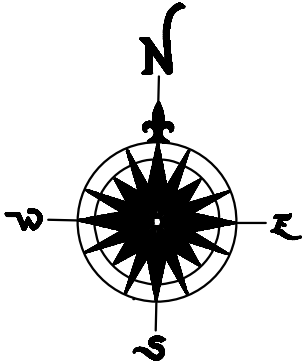
E

SEE SHEET 8 OF 9 & 9 OF 9 FOR TRENCH DETAILS

QUANTITY BREAKDOWN

JOINT TRENCH LF: 212 FT  
TOTAL EXCAVATION: 40 SQ FT  
PULLBOXES: 2  
NOTE: DOES NOT INCLUDE  
TRENCHES

NOTE: ALL VAULT AND PULLBOXES SHALL BE TRAFFIC RATE H-20.



CONDUIT CURVE DATA			
	ANGLE	RADIUS	LENGTH
51	90° 00' 00"	2'	3'
52	90° 00' 00"	1'	2'
53	90° 00' 00"	1'	2'
54	90° 00' 00"	2'	3'
55	90° 00' 00"	2'	3'
56	90° 00' 00"	2'	3'
57	90° 00' 00"	2'	3'

NOTE: ONLY THOSE SUBSTRUCTURES WITHIN 10-FT OF THE PROPOSED CONDUIT ARE SHOWN

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

Frontier

CITY  
HERMOSA BEACH

ADDRESS  
2641 HERMOSA AVE

DWG BY:  
CYIENT

FRONTIER WORK ORDER  
5285914\_WO992039

WIRE CENTER NAME:  
90254

W.O. TITLE: AND DESCRIPTION  
SUBSTRUCTURE FOR PLACEMENT OF NEW  
CONDUIT AND HAND HOLES AT 2641 HERMOSA  
AVE

SCALE:  
1"=40'

DATE:  
01/20/2025

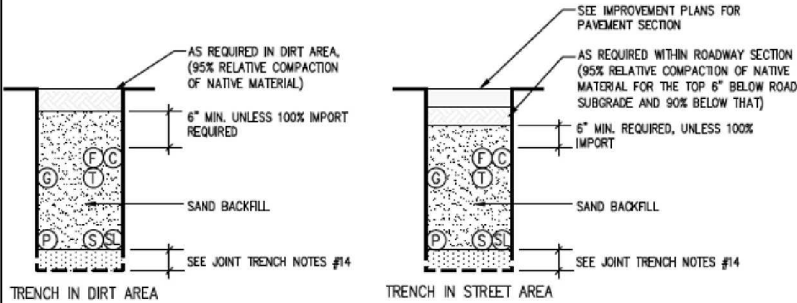
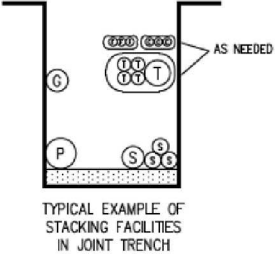
SHEET  
07 OF 10



JOINT TRENCH NOTES:

1. 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.
7. 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.
10. 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.

<u>JOINT TRENCH MINIMUM COVER AND CLEARANCES</u>												
<u>MINIMUM SEPARATION FROM</u>												
	UTILITY	G	T	TD	C	S	P	SL	SLP	F	FE	MINIMUM COVER
G	(GAS)*	—	12" 12"	12" 6"	12" 12"	6" 12"	12" 12"	12" 12"	12" 12"	12" 24";	30" IN STREET	
T	(TELEPHONE) DUCT	12"	—	1" 1"	12" 12"	12" 12"	12" 12"	12" 12"	12" 12"	1" 24";	30" IN STREET	
TD	(TELEPHONE) DIRECT BURY	12"	1"	—	1" 12"	12" 12"	12" 12"	12" 12"	1" 12"	12" 24";	30" IN STREET	
C	(CABLE T.V.)	12"	1"	1"	—	12" 12"	12" 12"	12" 12"	1" 12"	12" 24";	30" IN STREET	
S	(ELECT. SECONDARY)	6"	12" 12"	12" 1.5"	2" 12"	1.5" 12"	12" 12"	12" 12"	12" 24";	30" IN STREET		
P	(ELECT. PRIMARY)	12"	12" 12"	12" 12"	2" 2"	2" 2"	2" 12"	12" 12"	12" 36";	36" IN STREET		
SL	(PUBLIC AND PRIVATE—STREET LIGHT)**	12"	12" 12"	12" 12"	12" 12"	—	12" 12"	12" 12"	12" 24";	30" IN STREET		
SLP	(P.G.E.—STREET LIGHT)	6"	12" 12"	12" 1.5"	2" 12"	1.5" 12"	12" 12"	12" 12"	12" 24";	30" IN STREET		
FE	(FOREIGN ELECTRIC SOURCES, NON PG&E)	12"	12" 12"	12" 12"	12" 12"	12" 12"	12" 12"	12" —	12" 24";	30" IN STREET		
F	(FIBER OPTIC)	12"	1" 1"	1" 1"	12" 12"	12" 12"	12" —	12" 24";	30" IN STREET			



LEGEND

MEETS UTILITY TRENCH ALLOTMENT

EXCEEDS UTILITY TRENCH ALLOTMENT

GAS

ELECTRIC PRIMARY

ELECTRIC SECONDARY

TELEPHONE (DUCT OR DIRECT BURY)

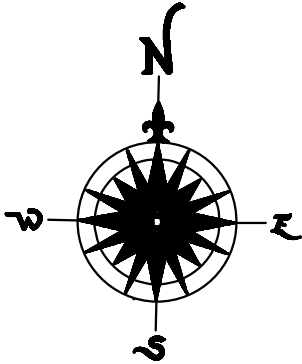
CATV

STREET LIGHT (PUBLIC OR PRIVATE)

STREET LIGHT (PG&E)

FOREIGN ELECTRIC

FIBER OPTIC

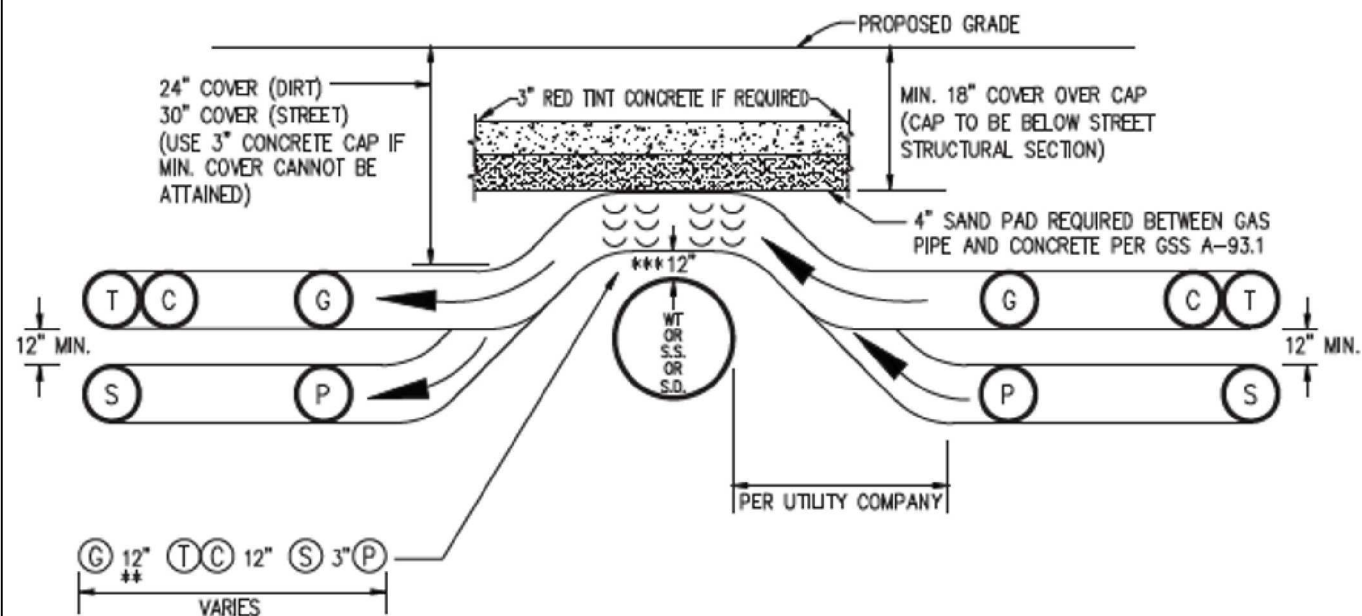


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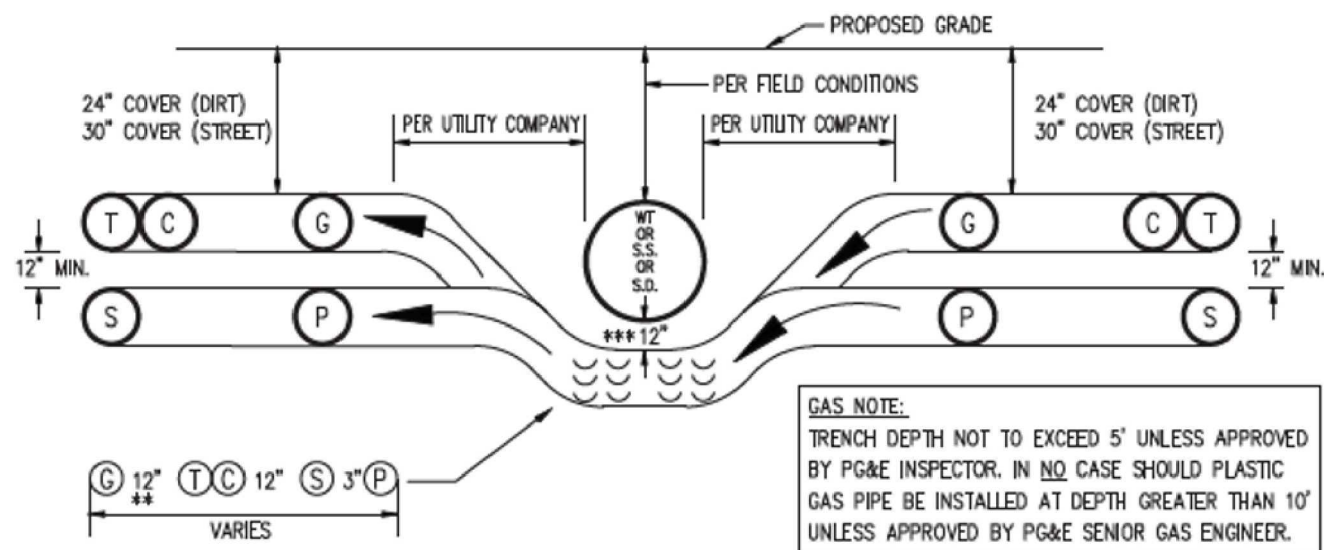
CALL 1-800-422-4133  
AT LEAST 2 BUSINESS DAYS  
BEFORE YOU DIG

<div>Frontier</div>		FRONTIER WORK ORDER 5285914_WO992039	
CITY HERMOSA BEACH		WIRE CENTER NAME: 90254	
ADDRESS 2641 HERMOSA AVE		W.O. TITLE:AND DESCRIPTION SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 2641 HERMOSA AVE	
DWG BY: CYIENT	SCALE: 1"=40'	DATE: 01/20/2025	SHEET 08 OF 10





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



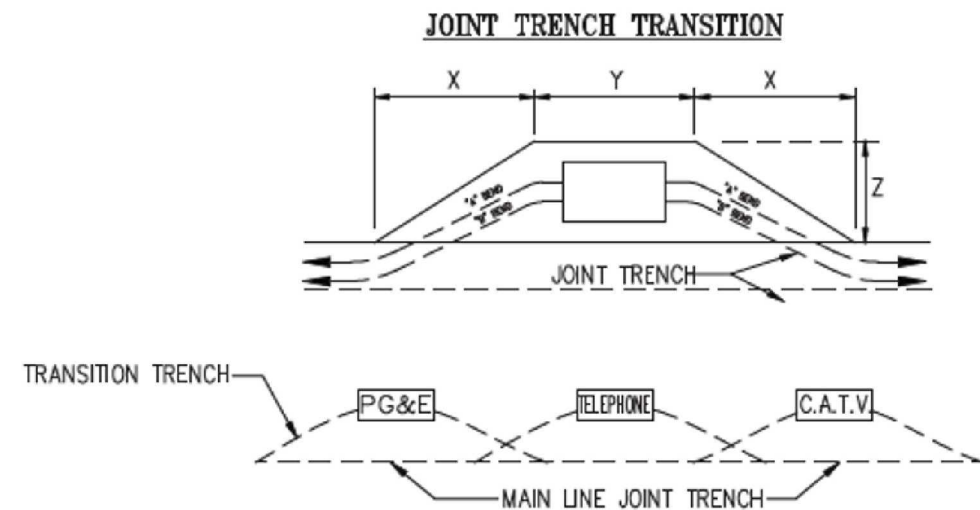
**JOINT TRENCH UNDER WATER, SANITARY SEWER OR STORM DRAIN  
CHOICE 2 (OPTIONAL METHOD)**

\* 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 COMMUNICATION DUCTS (TELEPHONE & CATV).

\*\*\* 6" MINIMUM REQUIRED BY PG&E—ADDITIONAL CLEARANCE MAYBE REQUIRED BY CITY OR COUNTY

DETAIL **2** **OVER UNDER DETAILS**  
N.T.S. **JT3**

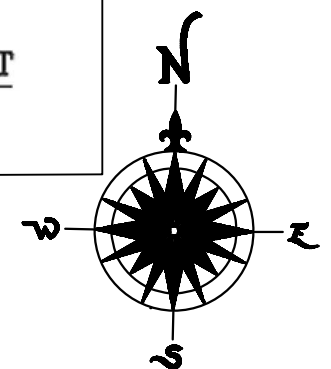


BEND	PRIMARY BOX SIZE	DISTANCE (when conduit enters box)			NOTES
		"X"	"Y"	"Z"	
"A"	3' x 5'	24'	7'	5'	BEND IS 60° RADIUS WITH AN ANGLE OF 10 DEG. USE 2-5 COUPLINGS WITH 1-5' CONDUIT SECTION FOR EACH BEND SHOWN.
	4'-6" x 8'-6"	24'	11'	7'	
"B"	3' x 5'	32'	7'	5'	BEND IS 30° RADIUS WITH AN ANGLE OF 15 DEG.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

**NOTE:**

1. 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.

DETAIL **1** **TYPICAL PRIMARY BOX EXCAVATION USING CONDUIT**  
N.T.S. **JT3**

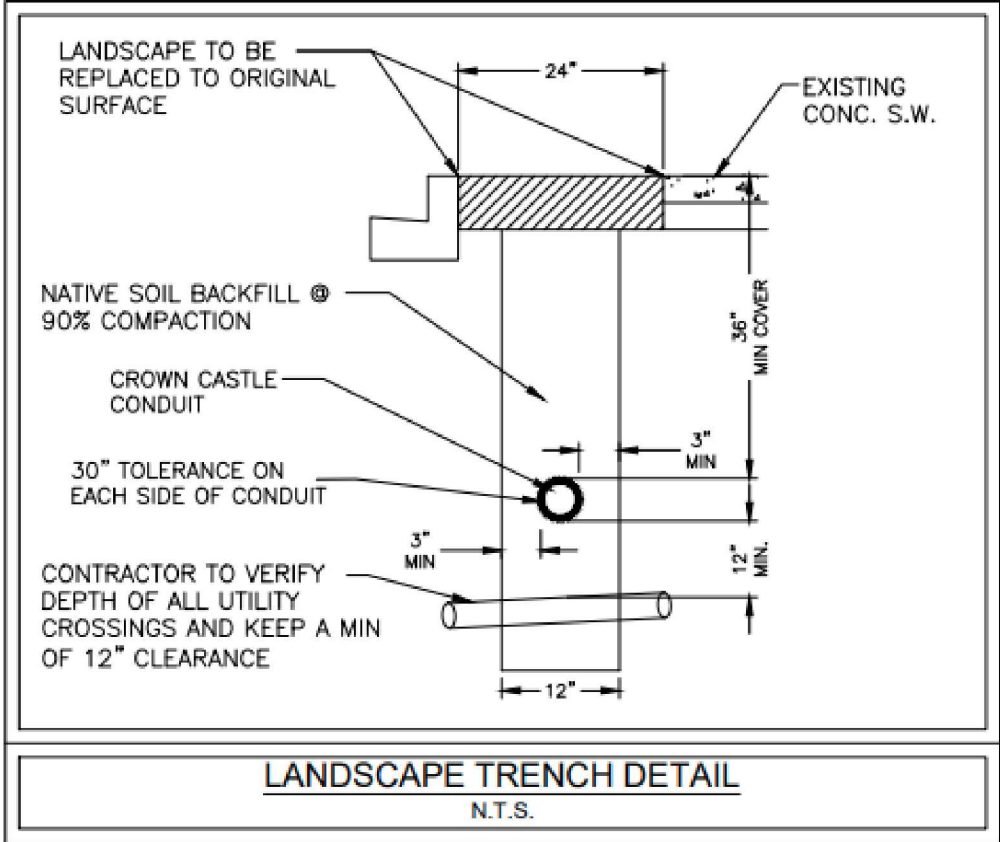
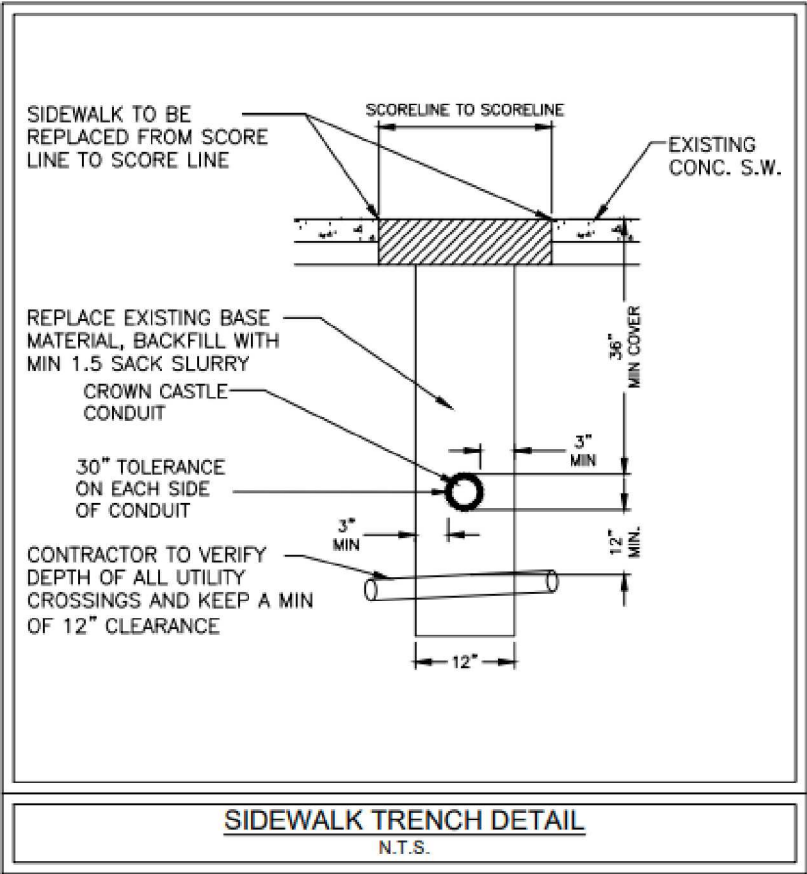


**UNDERGROUND  
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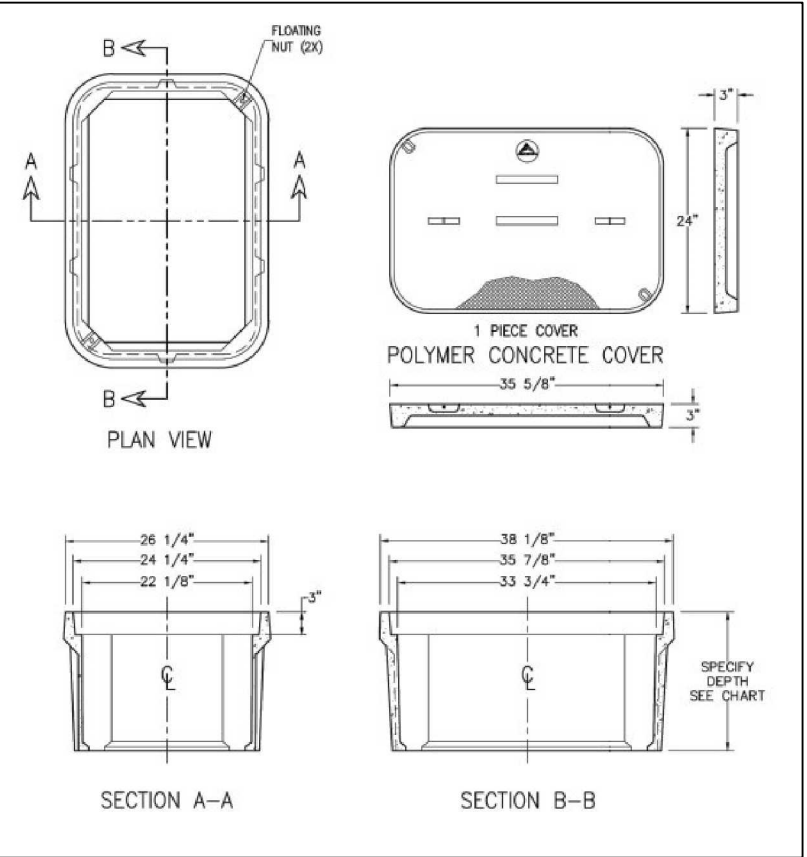
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AT LEAST 2 BUSINESS DAYS  
BEFORE YOU DIG

		FRONTIER WORK ORDER <b>5285914_WO992039</b>	
		WIRE CENTER NAME: <b>90254</b>	
CITY <b>HERMOSA BEACH</b>		W.O. TITLE: AND DESCRIPTION <b>SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 2641 HERMOSA AVE</b>	
ADDRESS <b>2641 HERMOSA AVE</b>			
DWG BY: <b>CYIENT</b>	SCALE: <b>1"=40'</b>	DATE: <b>01/20/2025</b>	SHEET <b>09 OF 10</b>

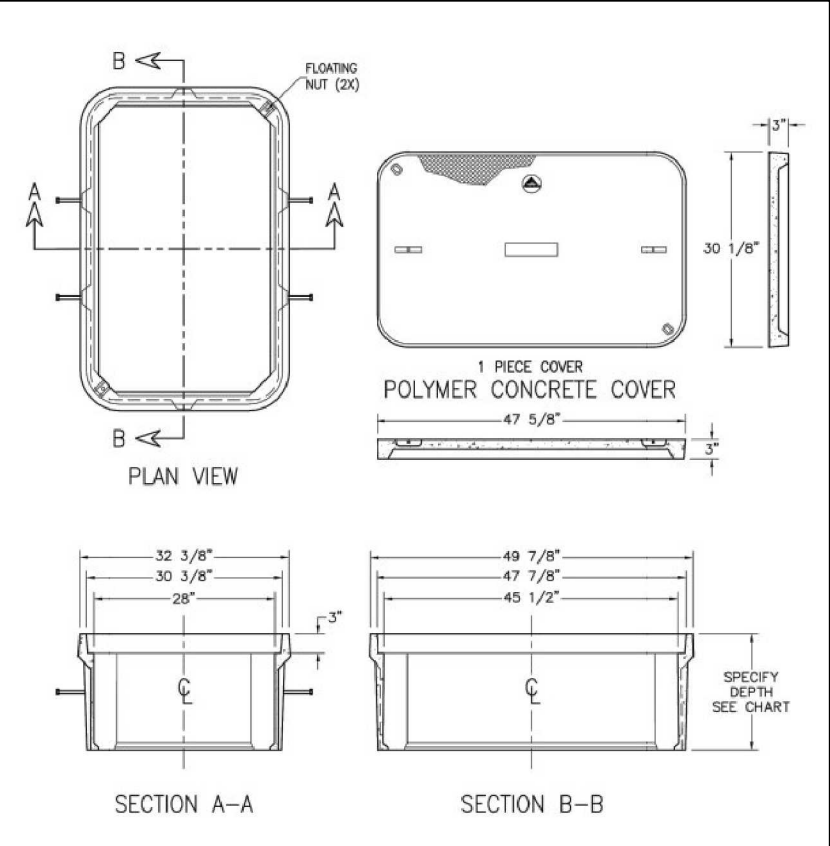




### 24"x36" PULL BOX




### 30"x48" PULL BOX



**UNDERGROUND  
SERVICE ALERT**  
OF SOUTHERN CALIFORNIA

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

		FRONTIER WORK ORDER	
		5285914_WO992039	
		WIRE CENTER NAME:	
		90254	
CITY HERMOSA BEACH		W.O. TITLE:AND DESCRIPTION  SUBSTRUCTURE FOR PLACEMENT OF NEW CONDUIT AND HAND HOLES AT 2641 HERMOSA AVE	
ADDRESS 2641 HERMOSA AVE			
DWG BY: CYIENT	SCALE: 1"=40'	DATE: 01/20/2025	SHEET 10 OF 10



TITLE SHEET  
HERMOSA BEACH  
GREENWICH VILLAGE  
UNDERGROUNDING DISTRICT



UNDERGROUND SERVICE ALERT  
Call: TOLL FREE 811  
www.call811.com  
TWO WORKING DAYS BEFORE YOU DIG



EXCAVATION DATA (UG TRENCH)	
TRENCH	295 LF
JOINT TRENCH	1588 LF
A/C STREET FOOTAGE (TRENCH)	258 LF
A/C STREET FOOTAGE (JOINT TRENCH)	1588 LF
CONCRETE STREET FOOTAGE	0 LF
CONCRETE SIDEWALK FOOTAGE	37 LF
DIRT/GRASS PARKWAY FOOTAGE	0 LF
TUNNELLING UNDER C&G	0 LF
TOTAL EXCAVATION	1883 LF
PROPOSED PULLBOX	5
TOTAL POTHOLES	0
TOTAL BORPITS	0

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

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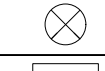
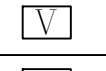


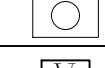




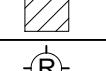
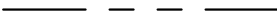

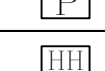
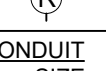


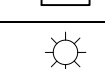
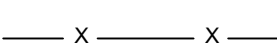
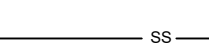
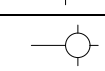
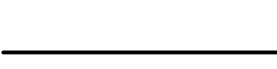
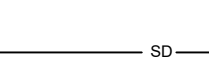
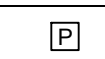
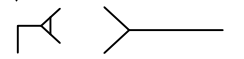

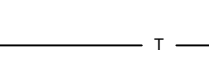

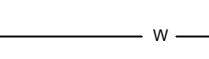
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IMPROVEMENT PLANS FOR:

PROJECT ID: HERMOSA BEACH

LOCATION: HERMOSA BEACH GREENWICH VILLAGE

CITY OF HERMOSA BEACH

REVISIONS			UNDERGROUND SCOPE OF WORK		AERIAL/UNDERGROUND SCOPE OF WORK		LEGEND							
NO.	DATE	DESCRIPTIONS					EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
			NEW HAND HOLE	5	AERIAL OVERLASH FT.	0	UTILITY POLE		NEW VAULT		CURB AND GUTTER (C&G)		CATV	
			NEW PEDESTAL	0	NEW AERIAL CONST. FT.	0	MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC	
			BORE PITS	0	NEW RISER(S)	0	VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC	
			POT HOLES	0	NEW ANCHOR(S)	0	PEDESTAL		RISER POLE		CENTERLINE		GAS	
			TRENCH FT.	295'	NEW POLE(S)	0	HAND HOLE		<div>CONDUIT COUNT<div>#</div><div>#</div><div>CONDUIT SIZE</div><div>###</div><div>DISTANCE</div></div>		FENCE		GAS	
			JOINT TRENCH FT.	1588'	EX. UNDERGROUND FT.	0	STREET LIGHT			PROPOSED BORE		SEWER		
			TOTAL CONDUIT FT.	1883'	TOTAL CABLE INSTALL FT.	0	FIRE HYDRANT		ANCHORS 		PROPOSED TRENCH		STORM DRAIN	
						POT HOLE				PROPOSED JOINT TRENCH		TELEPHONE		
													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



CROWN CASTLE

PROJECT ID: HERMOSA BEACH

SHEET 1 OF 9

LOCATION: HERMOSA BEACH GREENWICH VILLAGE, HERMOSA BEACH, CA 90254



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 100'.
- 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

Project Name: HERMOSA BEACH

Date of Analysis: 02/09/2023

Project Location: HERMOSA BEACH GREENWICH VILLAGE

Analysis Done By: Andrew Sanchez

Project Scope: Trench 295' in row. Joint trench 1588' . Place (5) vault. Total trench 1883'.

ID	Complexity Factor		Low Complexity		Medium Complexity		High Complexity
1	Utility Density	<input type="checkbox"/>	Dense	<input checked="" type="checkbox"/>	Denser	<input type="checkbox"/>	Densest
2	Utility Type	<input type="checkbox"/>	Less-Critical	<input checked="" type="checkbox"/>	Sub-Critical	<input checked="" type="checkbox"/>	Critical
3	Utility Pattern - Parallel Utilities	<input type="checkbox"/>	Simple	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Complex
4	Utility Pattern - Perpendicular Utilities	<input type="checkbox"/>	Simple	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Complex
5	Utility Material	<input type="checkbox"/>	Rigid	<input checked="" type="checkbox"/>	Flexible	<input type="checkbox"/>	Brittle
6	Utility Access	<input type="checkbox"/>	Easy	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Restricted
7	Utility Age	<input type="checkbox"/>	New	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Old
8	Utility Record Quality	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor
9	Excavation Depth (inches)	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	High
10	Excavation Method	<input checked="" type="checkbox"/>	Method A	<input type="checkbox"/>	Method B	<input type="checkbox"/>	Method C
Total		2		5		2	

SUE Impact Score

2

PERMIT ID:  
HERMOSA BEACH

ADDRESS:  
HERMOSA BEACH GREENWICH VILLAGE

LIST OF UTILITIES THAT DID NOT RESPOND FOR SUBSTRUCTURE REQUESTS:	
NAME:	TYPE OF UTILITY:

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CITY OF HERMOSA BEACH

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REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE		NEW VAULT		CURB AND GUTTER (C&G)		CATV	
MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC	
VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL		RISER POLE		CENTERLINE		GAS	
HAND HOLE		CONDUIT COUNT  CONDUIT SIZE DISTANCE		FENCE		SANITARY SEWER	
STREET LIGHT				PROPOSED BORE		STORM DRAIN	
FIRE HYDRANT				PROPOSED TRENCH		TELEPHONE	
POT HOLE		ANCHORS		PROPOSED JOINT TRENCH		WATER	



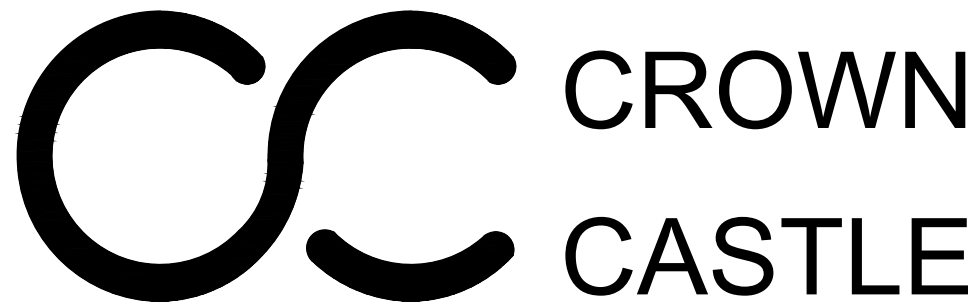
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PROJECT MANAGER: CHRIS SABANDO

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EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



PROJECT ID: HERMOSA BEACH

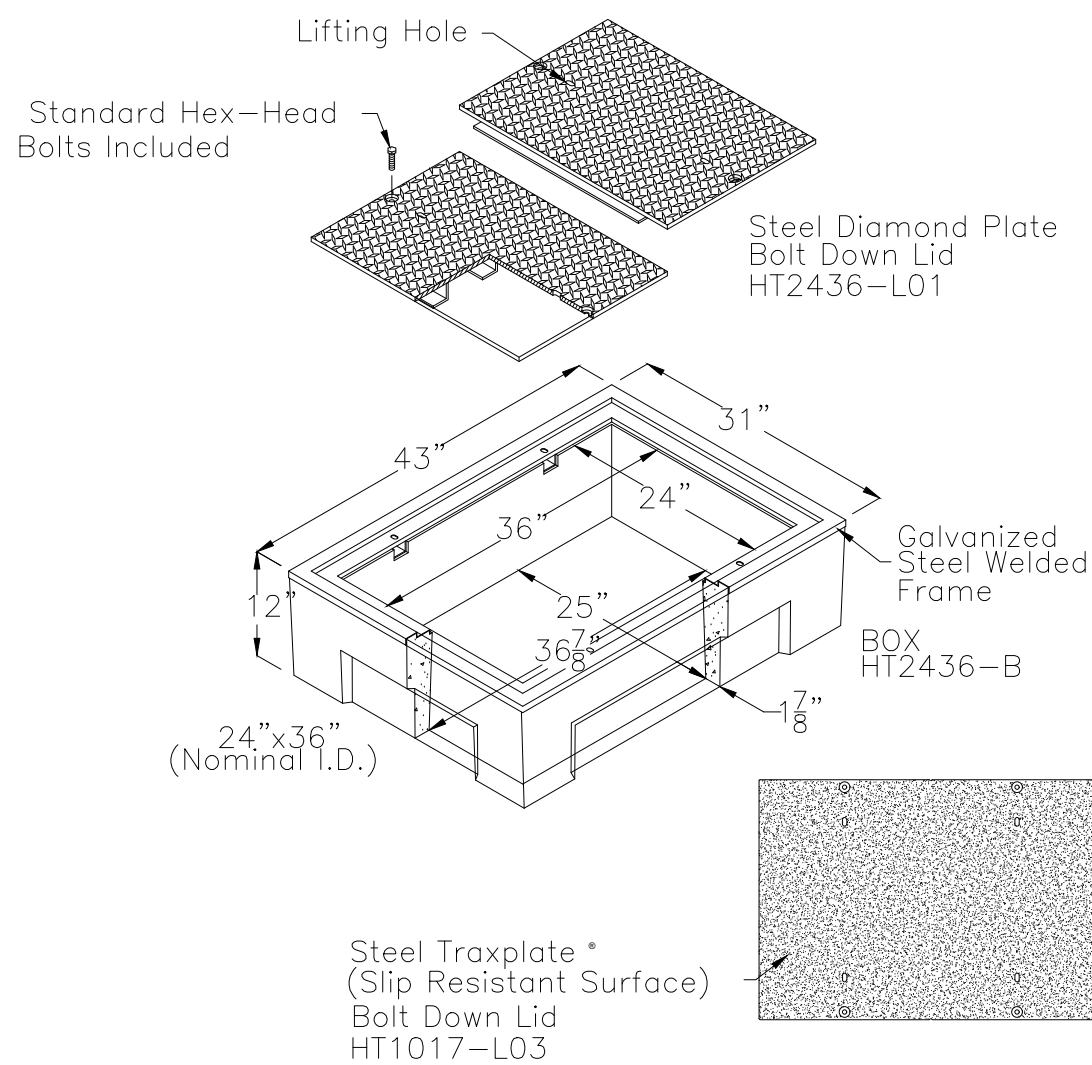
SHEET 2 OF 9

LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254

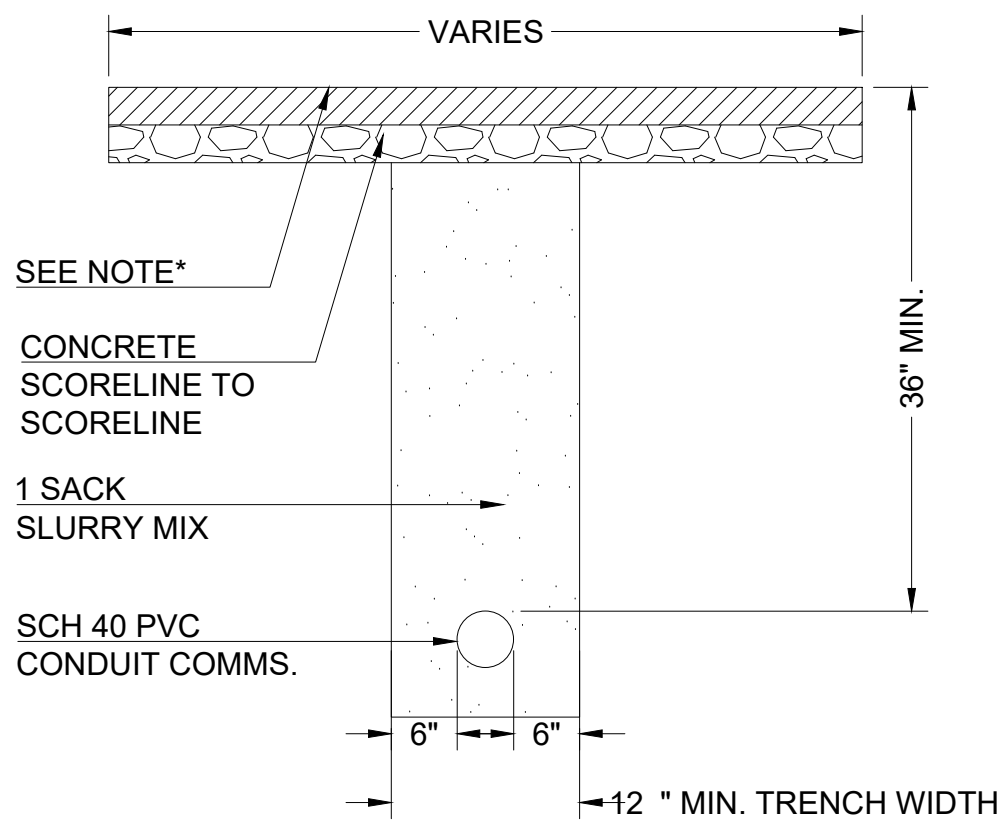


# DETAIL SHEET

## JENSEN PRECAST VAULT 24"x36"x12" CONCRETE TRAFFIC RATED VAULT MODEL # HT2436 TRAFFIC BOX (LID TO BE MARKED "CROWN CASTLE")

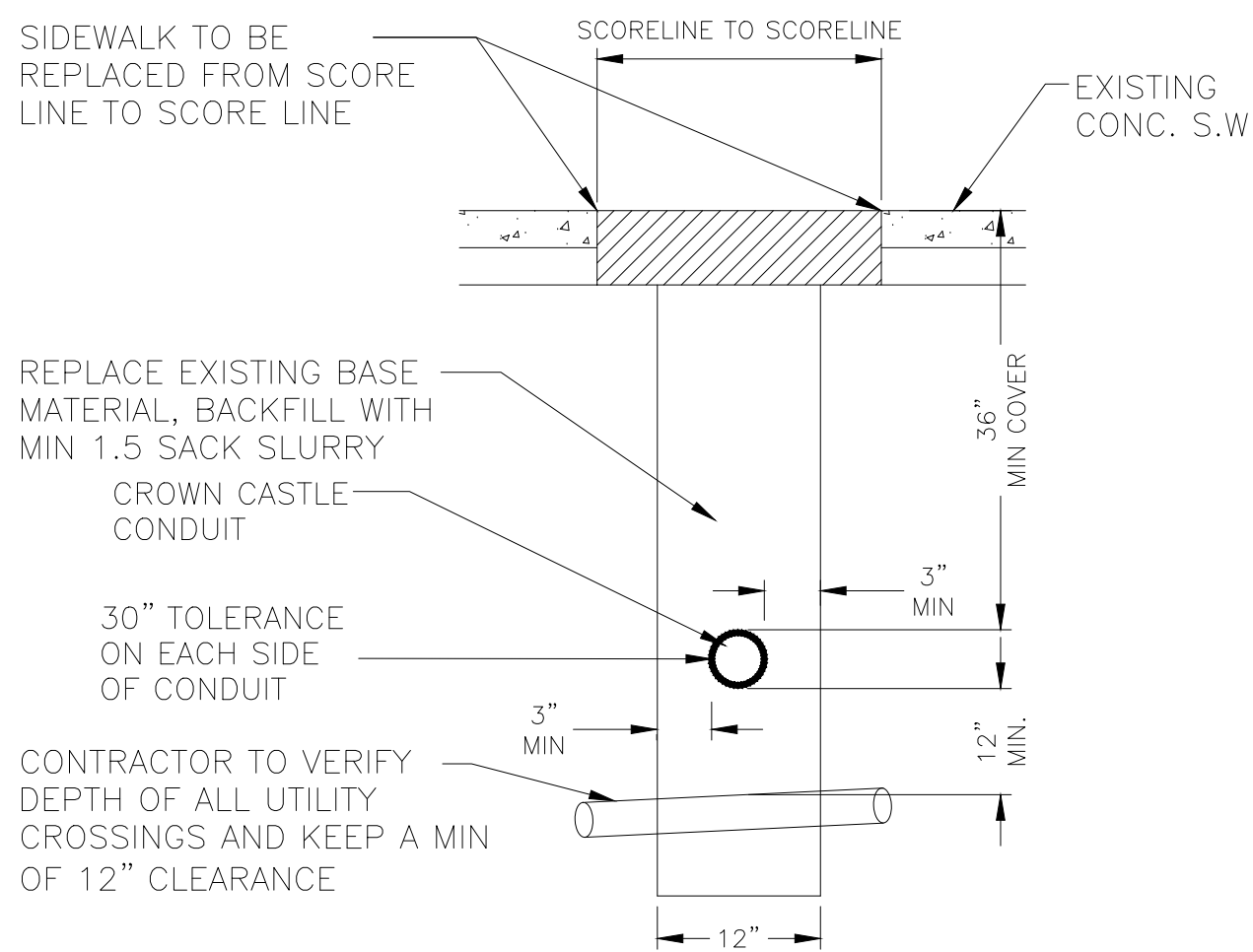


## DETAIL "A" 24"x36"x12" CONCRETE TRAFFIC RATED VAULT

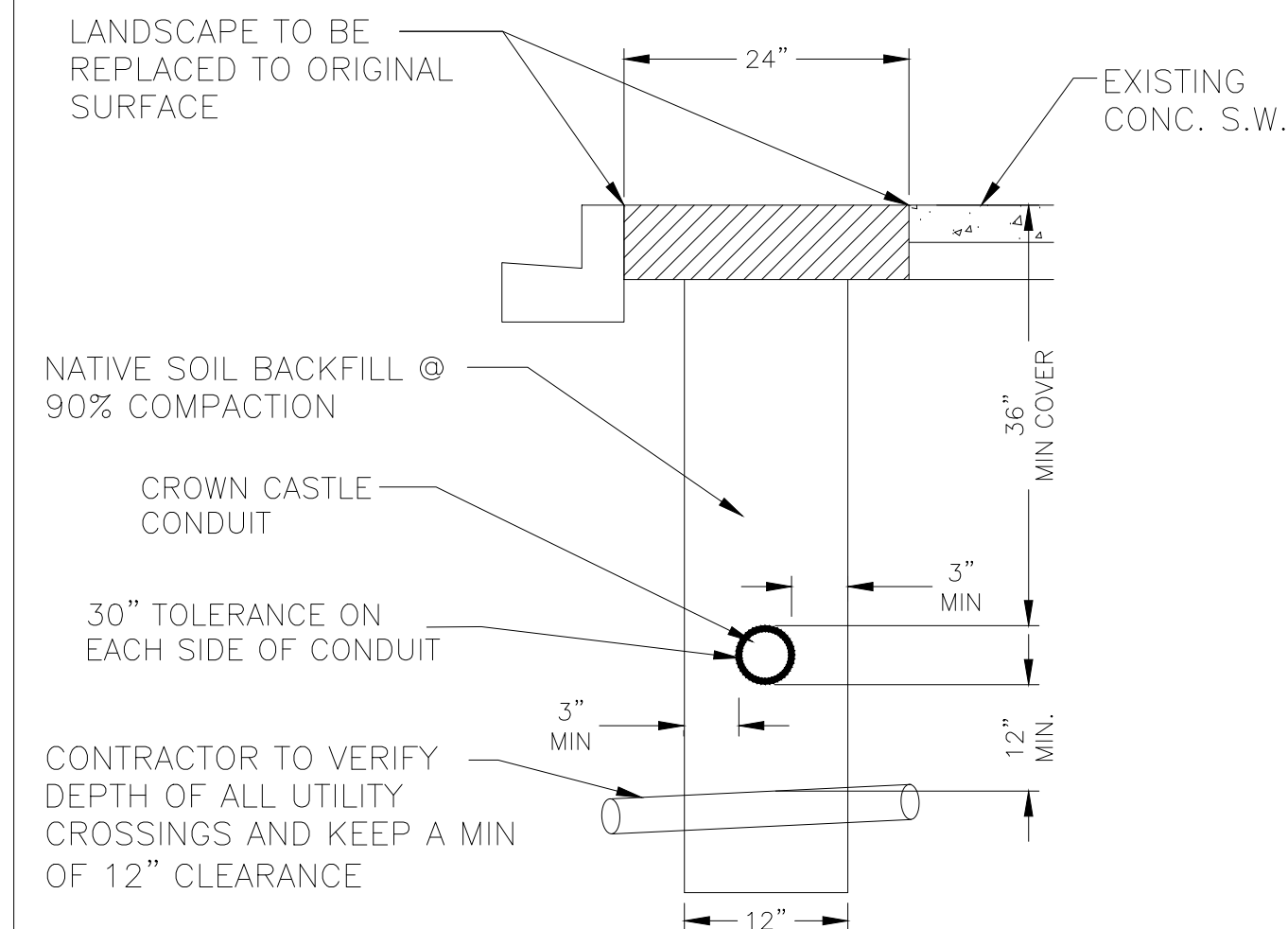


\*NOTE:  
PROPOSE EXCAVATION AREA TO BE RESTORED TO PREVIOUS  
EXISTING OR BETTER CONDITIONS AS PER AGENCY STANDARDS  
AND APPROVAL OF CITY, COUNTY OR STATE INSPECTOR

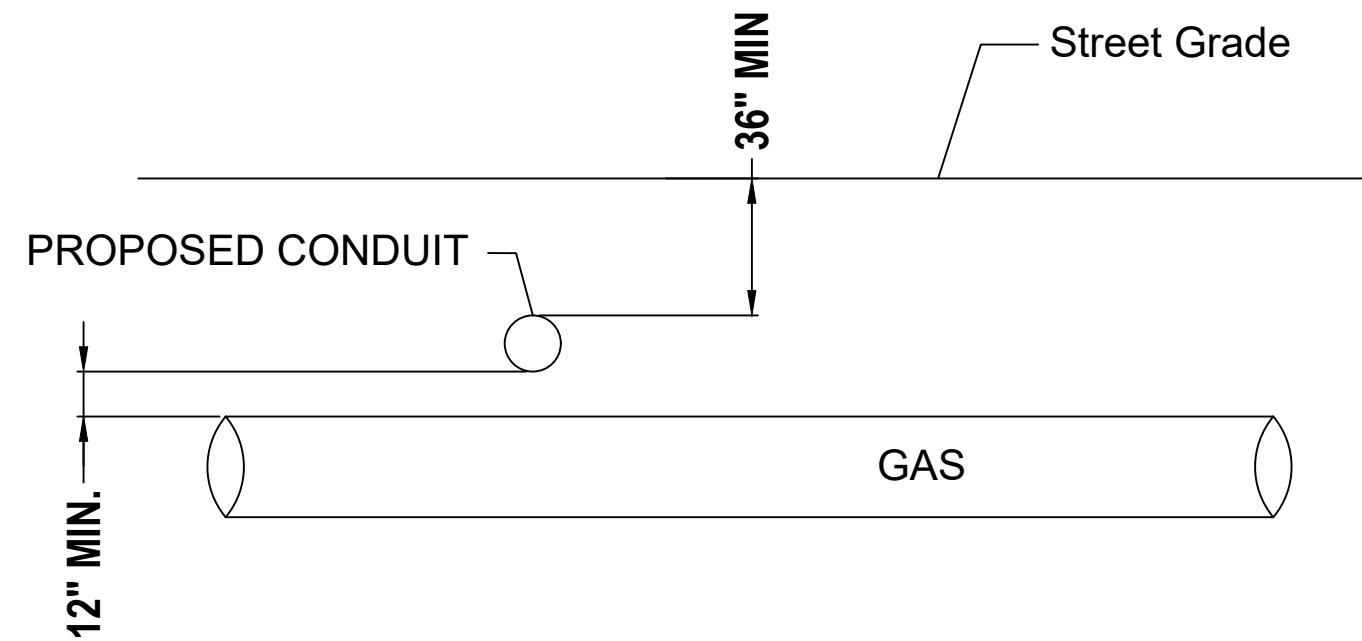
CONCRETE TRENCH DETAIL



SIDEWALK TRENCH DETAIL  
N.T.S.

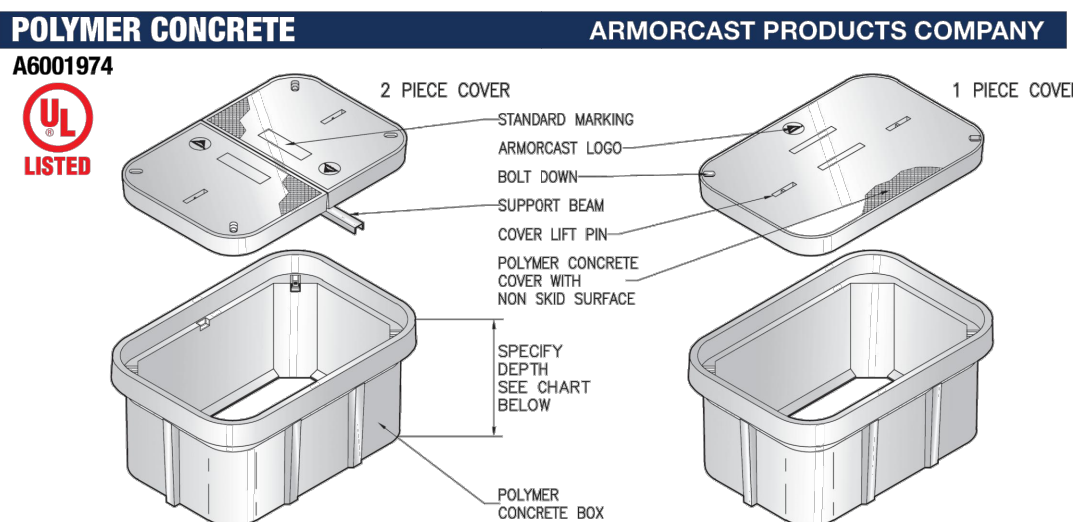


LANDSCAPE TRENCH DETAIL  
N.T.S.



CROSSING DETAIL "A"  
NO SCALE

## 24" x 36" BOX ASSEMBLY 12" to 42" DEPTHS



### 24"W x 36"L BOX ASSEMBLIES Specify Depth Below

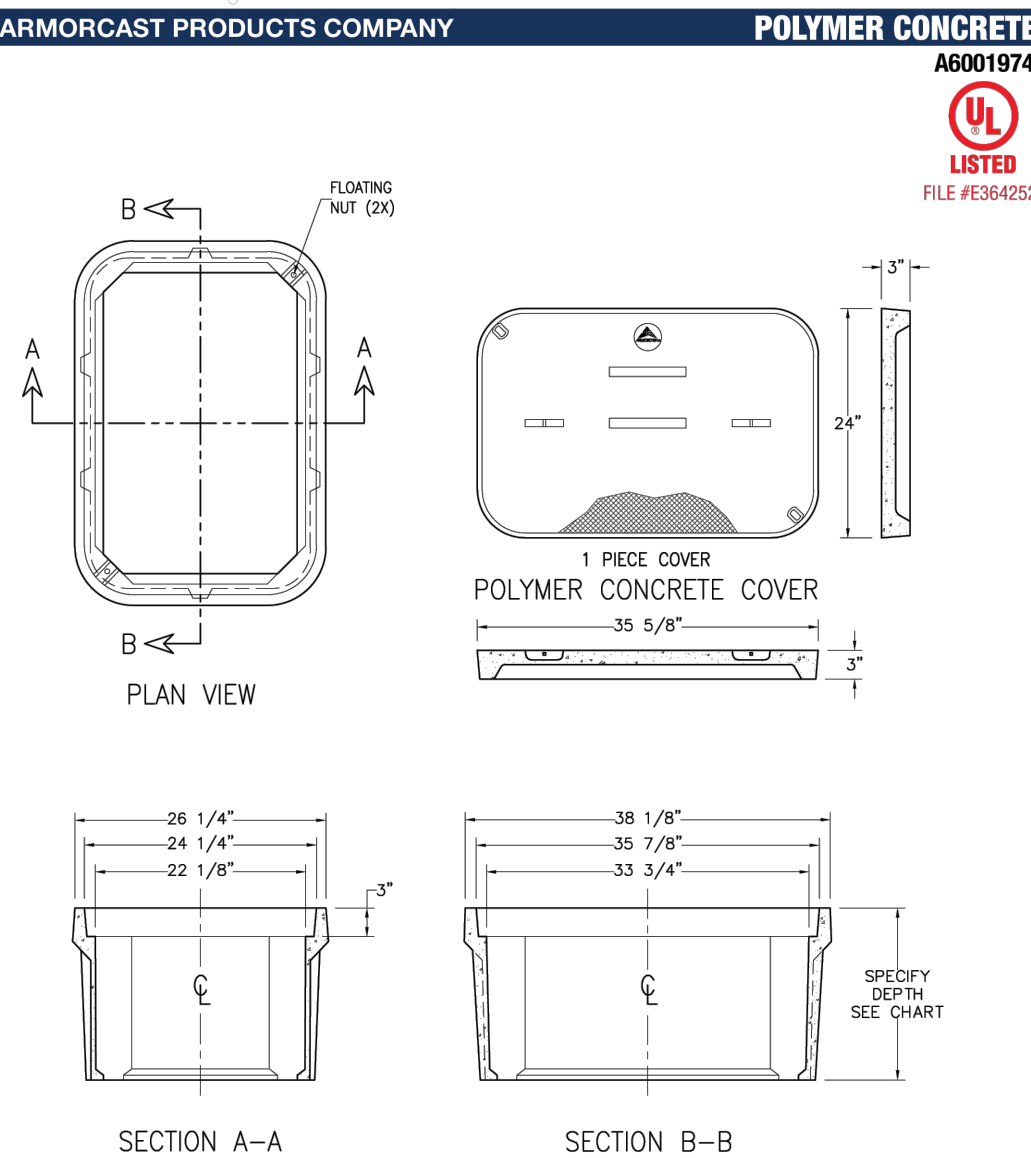
DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Box & Cover Assembly	24" x 36" x 12"	10K	8	AB001974	155 lbs.	8
Box & Cover Assembly	24" x 36" x 18"	10K	8	AB001974APCX18	231 lbs.	4
Box & Cover Assembly	24" x 36" x 24"	10K	8	AB001974APCX24	277 lbs.	2
Box & Cover Assembly	24" x 36" x 30"	10K	8	AB001974APCX30	302 lbs.	2
Box & Cover Assembly	24" x 36" x 36"	10K	8	AB001974APCX36	325 lbs.	2
Box & Cover Assembly	24" x 36" x 42"	10K	8	AB001974APCX42	369 lbs.	2
Box & Cover Assembly	24" x 36" x 48"	10K	8	AB001974APCX48	431 lbs.	2

### COMPONENTS

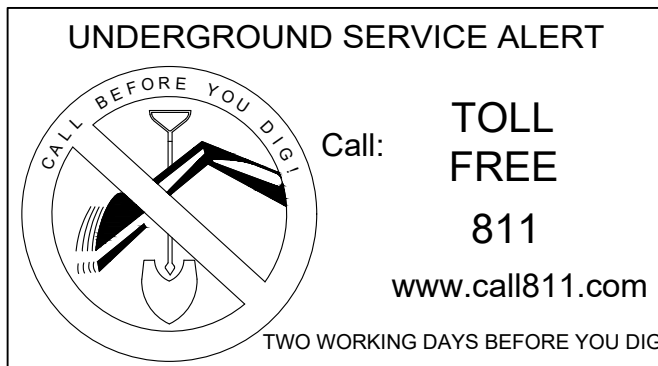
DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Replacement Covers	24" x 36" - 1 pc.	10K	8	AB001975	95 lbs.	20
Replacement Covers	24" x 36" - 2 pc.	10K	8	AB001976	54 lbs.	20
Replacement Boxes	24" x 36" x 12"	10K / 20K	22	AB001974PCX12	100 lbs.	8
Replacement Boxes	24" x 36" x 18"	10K / 20K	22	AB001974PCX18	136 lbs.	4
Replacement Boxes	24" x 36" x 24"	10K / 20K	22	AB001974PCX24	182 lbs.	2
Replacement Boxes	24" x 36" x 30"	10K / 20K	22	AB001974PCX30	207 lbs.	2
Replacement Boxes	24" x 36" x 36"	10K / 20K	22	AB001974PCX36	230 lbs.	2
Replacement Boxes	24" x 36" x 42"	10K / 20K	22	AB001974PCX42	274 lbs.	2

Boxes are Open Bottom and Stackable, also available with Solid Bottoms. This product is listed to applicable UL standards and requirements by UL.  
For sizes not shown please contact Armorcast Products for more information. Tel: (818) 982-3600 Fax: (818) 982-7742  
www.armorcastprod.com

## 24" x 36" BOX ASSEMBLY STANDARD DIMENSIONS



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016: Rev. 05/28/20



FOR MATERIAL SPECIFICATIONS,  
EQUAL MATERIALS WILL BE  
CONSIDERED.

CITY OF HERMOSA BEACH

REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE	⊗	NEW VAULT	⌈	CURB AND GUTTER (C&G)	— — — — —	CATV	— — — — — TV
MAN HOLE	⊙	NEW PEDESTAL	⌈	LANE STRIPING	— — — — —	ELECTRIC	— — — — — E
VAULT	⌈	BORE PIT	⌈	RIGHT OF WAY	— — — — —	FIBER OPTIC	— — — — — FO
PEDESTAL	⌈	RISER POLE	⌈	CENTERLINE	— — — — —	GAS	— — — — — GAS
HAND HOLE	⌈	CONDUIT COUNT	#	FENCE	— x — x —	SANITARY SEWER	— — — — — SS
STREET LIGHT	⌈	CONDUIT SIZE	###	PROPOSED BORE	— — — — —	STORM DRAIN	— — — — — SD
FIRE HYDRANT	⌈	DISTANCE	— — — — —	PROPOSED TRENCH	— — — — —	TELEPHONE	— — — — — T
POT HOLE	⌈	ANCHORS	— — — — —	PROPOSED JOINT TRENCH	— — — — —	WATER	— — — — — W

**HHS**  
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2042 S GROVE AVE ONTARIO, CA 91761

PROJECT MANAGER: CHRIS SABANDO

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

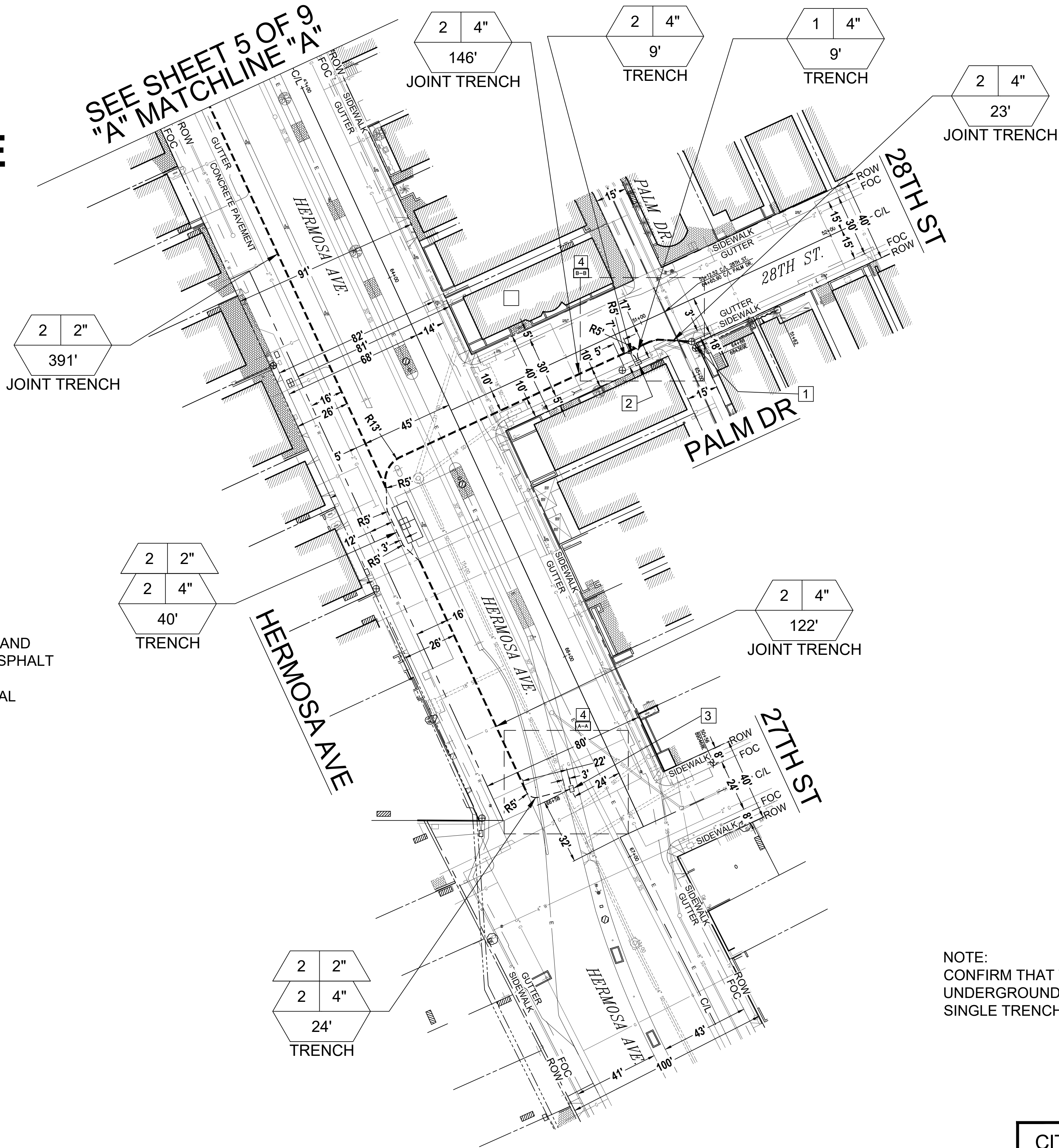
EMAIL: CSABANDO@HHS COMMUNICATIONS.NET

**CROWN CASTLE**

PROJECT ID: HERMOSA BEACH SHEET 3 OF 9  
LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254



EXCAVATION PLAN  
HERMOSA BEACH  
GREEN WICH VILLAGE



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Two Working Days Before You Dig

D16: Rev. 05/28/20

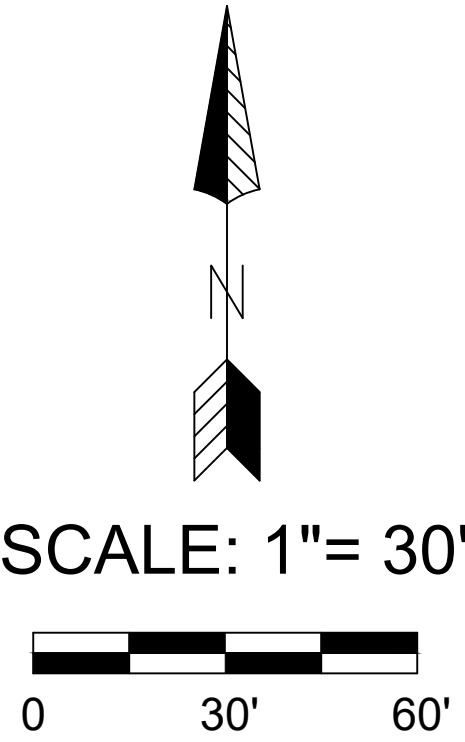
UNDERGROUND SERVICE ALERT  
Call: TOLL FREE 811  
www.call811.com  
TWO WORKING DAYS BEFORE YOU DIG

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'  
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'  
TOTAL: 2792 SQ FT

NOTE:  
CONFIRM THAT THERE ARE NO UNDERGROUND CONFLICTS WITH PROPOSED SINGLE TRENCH LOCATIONS.

- KEY NOTES:
- 1. 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.
















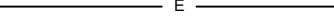














CONDUIT CURVE DATA		
ANGLE	RADIUS	LENGTH
79	5'	7'
22	5'	2'
23	5'	2'
18	5'	2'
77	13'	18'
90	5'	8'
90	5'	8'



REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE		NEW VAULT		CURB AND GUTTER (C&G)		CATV	
MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC	
VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL		RISER POLE		CENTERLINE		GAS	
HAND HOLE		<div><div>CONDUIT COUNT</div><div><div>#</div><div>#"</div><div>###</div></div><div>CONDUIT SIZE</div><div>DISTANCE</div></div>		FENCE		SANITARY SEWER	
STREET LIGHT				PROPOSED BORE		STORM DRAIN	
FIRE HYDRANT		ANCHORS		PROPOSED TRENCH		TELEPHONE	
POT HOLE				PROPOSED JOINT TRENCH		WATER	

CITY OF HERMOSA BEACH

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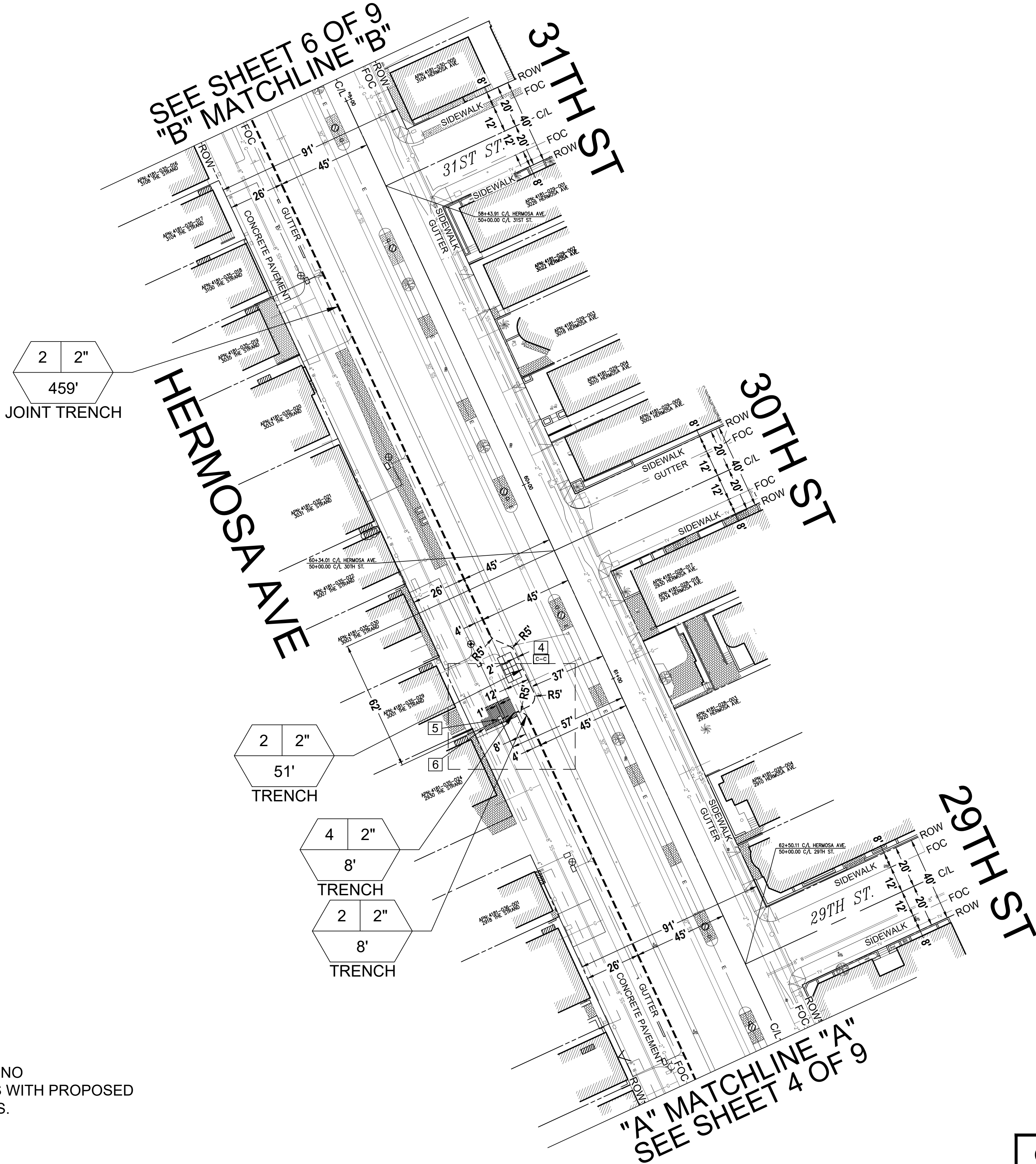
2042 S GROVE AVE ONTARIO, CA 91761  
PROJECT MANAGER: CHRIS SABANDO  
CELL: 909-731-8116 PHONE 909-230-5170  
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET

**CROWN CASTLE**

PROJECT ID: HERMOSA BEACH SHEET 4 OF 9  
LOCATION: HERMOSA BEACH GREENWICH VILLAGE, HERMOSA BEACH, CA 90254



EXCAVATION PLAN  
HERMOSA BEACH  
GREEN WICH VILLAGE



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'  
TRENCH 22'

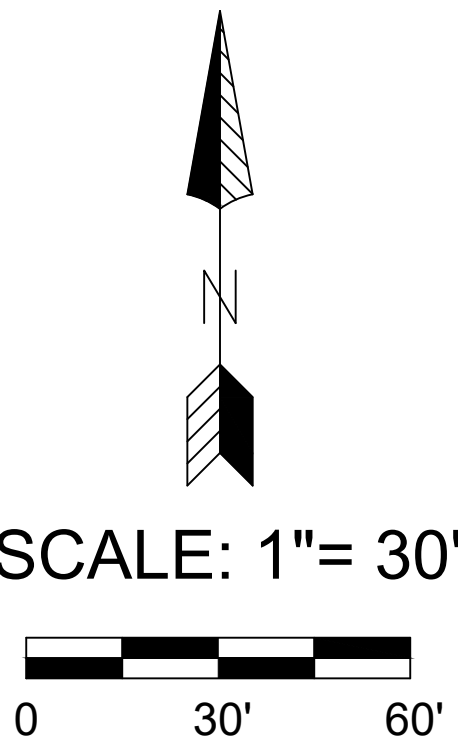
PLACE ONE (1) NEW 24"x36" HANDHOLE  
64' W/O C/L HERMOSA AVE AND 47' S/O  
C/L 35TH ST.

TRENCH 17'

TOTAL: 2792 SQ FT

- KEY NOTES:
4. SEE DETAIL ON SHEET 8 OF 9.  
5. PLACE 24"x36" CROWN CASTLE FIBER PULLBOX  
(JENSEN PRECAST TRAFFIC RATED VAULT,  
MODEL# HT2436 8' BEHIND CURB IN CONCRETE  
STREET.  
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'



**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.

NOTE:  
QUANTITIES PROVIDED ARE  
ESTIMATED. REMOVAL AND  
REPLACEMENT OF ALL EXISTING  
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RESPONSIBLE FOR VERIFYING  
ACTUAL QUANTITIES.

CITY OF HERMOSA BEACH

UNDERGROUND SERVICE ALERT

CALL BEFORE YOU DIG

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TWO WORKING DAYS BEFORE YOU DIG

REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

LEGEND			
EXISTING	SYM	PROPOSED	SYM
UTILITY POLE		NEW VAULT	
MAN HOLE		NEW PEDESTAL	
VAULT		BORE PIT	
PEDESTAL		RISER POLE	
HAND HOLE		CONDUIT COUNT	
STREET LIGHT		CONDUIT SIZE	
FIRE HYDRANT		DISTANCE	
POT HOLE		ANCHORS	
EX. CONDITIONS		LINETYPES	EX. UTILITIES
CURB AND GUTTER (C&G)			CATV
LANE STRIPING			ELECTRIC
RIGHT OF WAY			FIBER OPTIC
CENTERLINE			GAS
FENCE			SANITARY SEWER
PROPOSED BORE			STORM DRAIN
PROPOSED TRENCH			TELEPHONE
PROPOSED JOINT TRENCH			WATER

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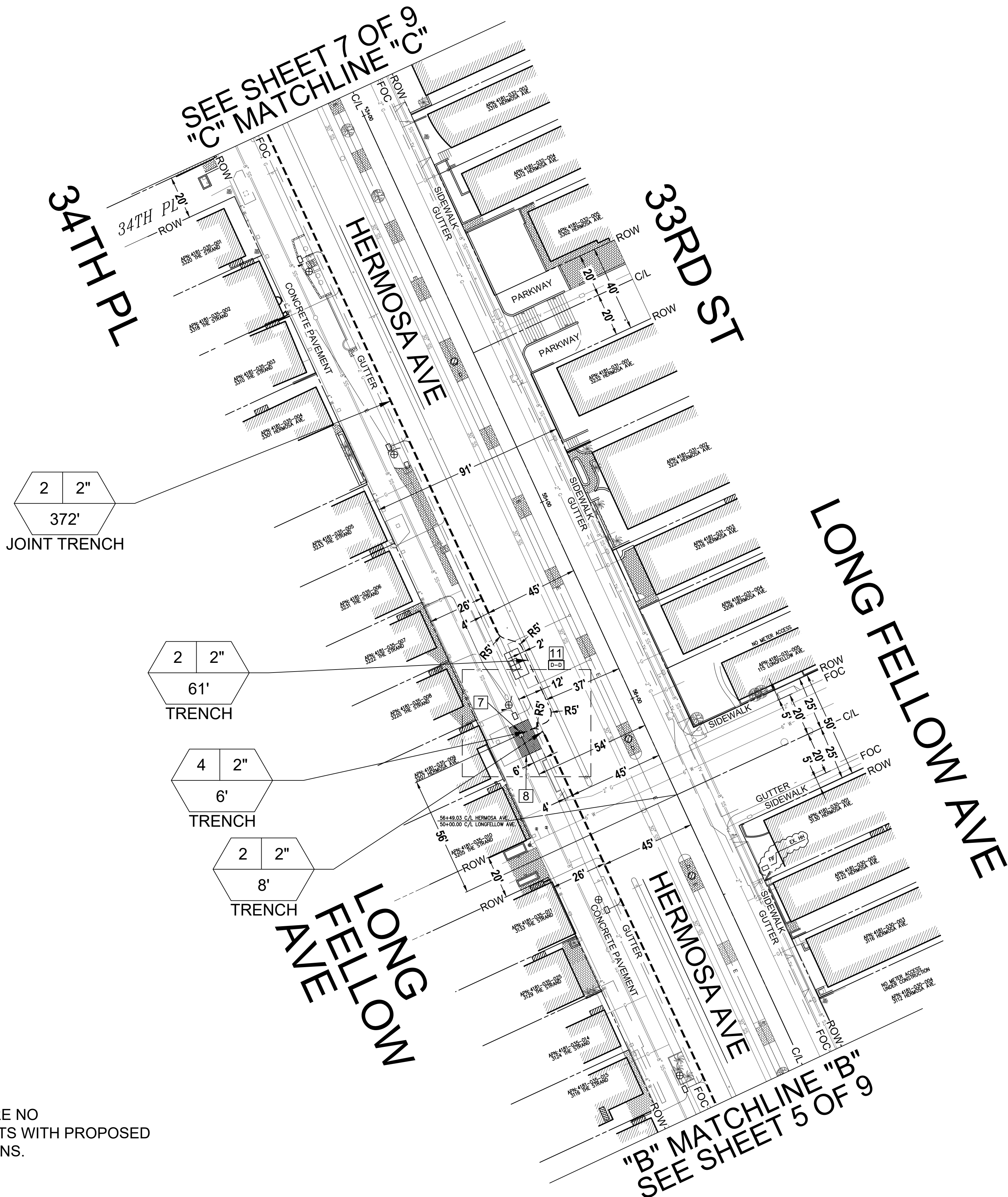
2042 S GROVE AVE ONTARIO, CA 91761  
PROJECT MANAGER: CHRIS SABANDO  
CELL: 909-731-8116 PHONE 909-230-5170  
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET

**CROWN CASTLE**

PROJECT ID: HERMOSA BEACH SHEET 5 OF 9  
LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254



EXCAVATION PLAN  
HERMOSA BEACH  
GREEN WICH VILLAGE



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NOTE:  
CONFIRM THAT THERE ARE NO  
UNDERGROUND CONFLICTS WITH PROPOSED  
SINGLE TRENCH LOCATIONS.

REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

EXISTING	SYM	PROPOSED	SYM
UTILITY POLE	⊗	NEW VAULT	⌈
MAN HOLE	⊙	NEW PEDESTAL	⌈
VAULT	⌈	BORE PIT	⌈
PEDESTAL	⌈	RISER POLE	⌈
HAND HOLE	⌈	CONDUIT COUNT	# #
STREET LIGHT	⊙	CONDUIT SIZE	###
FIRE HYDRANT	⊙	DISTANCE	---
POT HOLE	⊙	ANCHORS	⌈

LEGEND	
EX. CONDITIONS	LINETYPES
CURB AND GUTTER (C&G)	---
LANE STRIPING	---
RIGHT OF WAY	---
CENTERLINE	---
FENCE	--- x --- x ---
PROPOSED BORE	---
PROPOSED TRENCH	---
PROPOSED JOINT TRENCH	---
EX. UTILITIES	LINETYPES
CATV	---
ELECTRIC	---
FIBER OPTIC	---
GAS	---
SANITARY SEWER	---
STORM DRAIN	---
TELEPHONE	---
WATER	---

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'  
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'

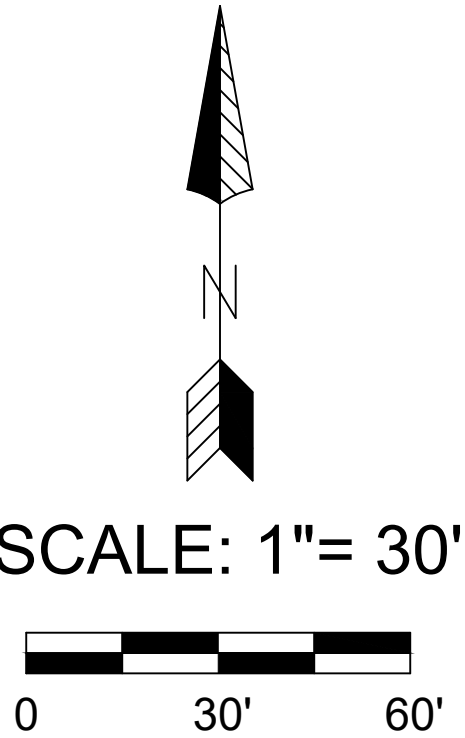
TOTAL: 2792 SQ FT

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:	
7.	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

PROJECT MANAGER: CHRIS SABANDO

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

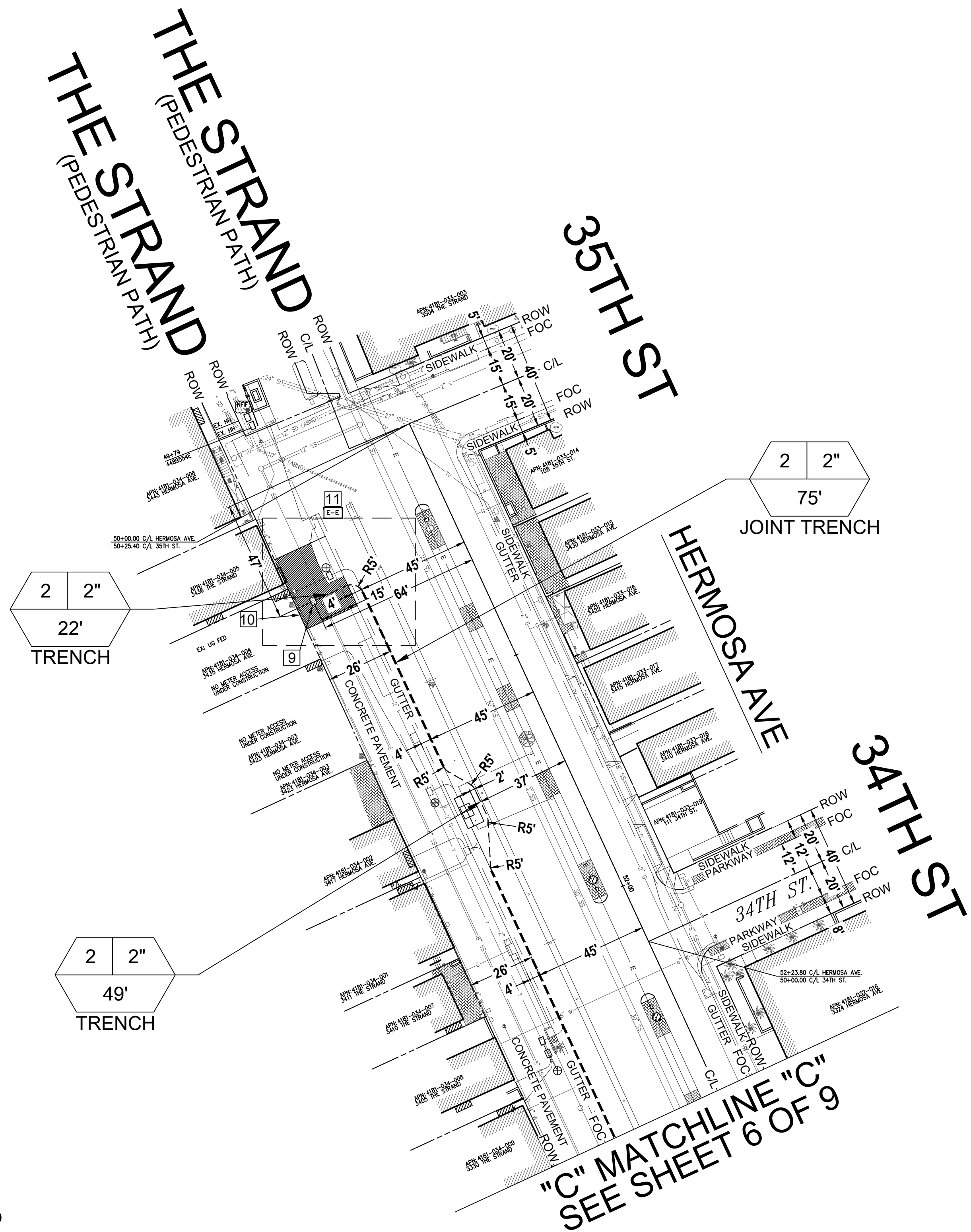
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET

PROJECT ID: HERMOSA BEACH    SHEET 6 OF 9

LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254



EXCAVATION PLAN  
HERMOSA BEACH  
GREEN WICH VILLAGE



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'  
TRENCH 22'

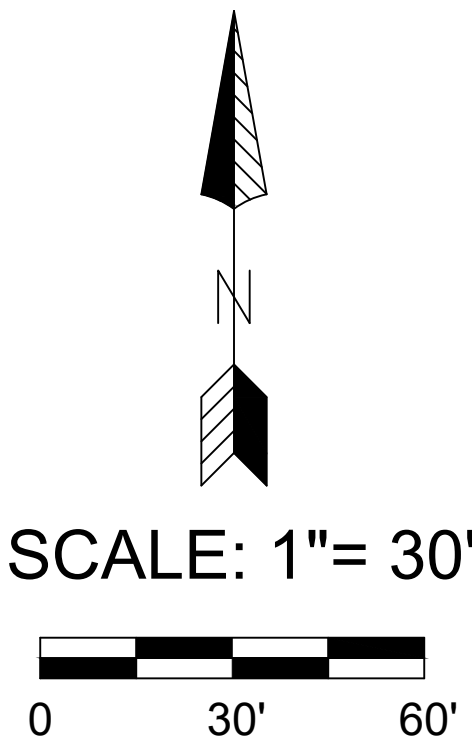
PLACE ONE (1) NEW 24"x36" HANDHOLE  
64' W/O C/L HERMOSA AVE AND 47' S/O  
C/L 35TH ST.

TRENCH 17'

TOTAL: 2792 SQ FT

- 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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NOTE:  
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REMOVAL AND REPLACEMENT OF ALL  
EXISTING CONCRETE AND ASPHALT  
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RESPONSIBLE FOR VERIFYING ACTUAL  
QUANTITIES.

CITY OF HERMOSA BEACH

REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE		NEW VAULT		CURB AND GUTTER (C&G)		CATV	
MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC	
VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL		RISER POLE		CENTERLINE		GAS	
HAND HOLE				FENCE		SANITARY SEWER	
STREET LIGHT				PROPOSED BORE		STORM DRAIN	
FIRE HYDRANT				PROPOSED TRENCH		TELEPHONE	
POT HOLE				PROPOSED JOINT TRENCH		WATER	

**XHHS**  
A CONGRUEX® COMPANY

2042 S GROVE AVE ONTARIO, CA 91761

PROJECT MANAGER: CHRIS SABANDO

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

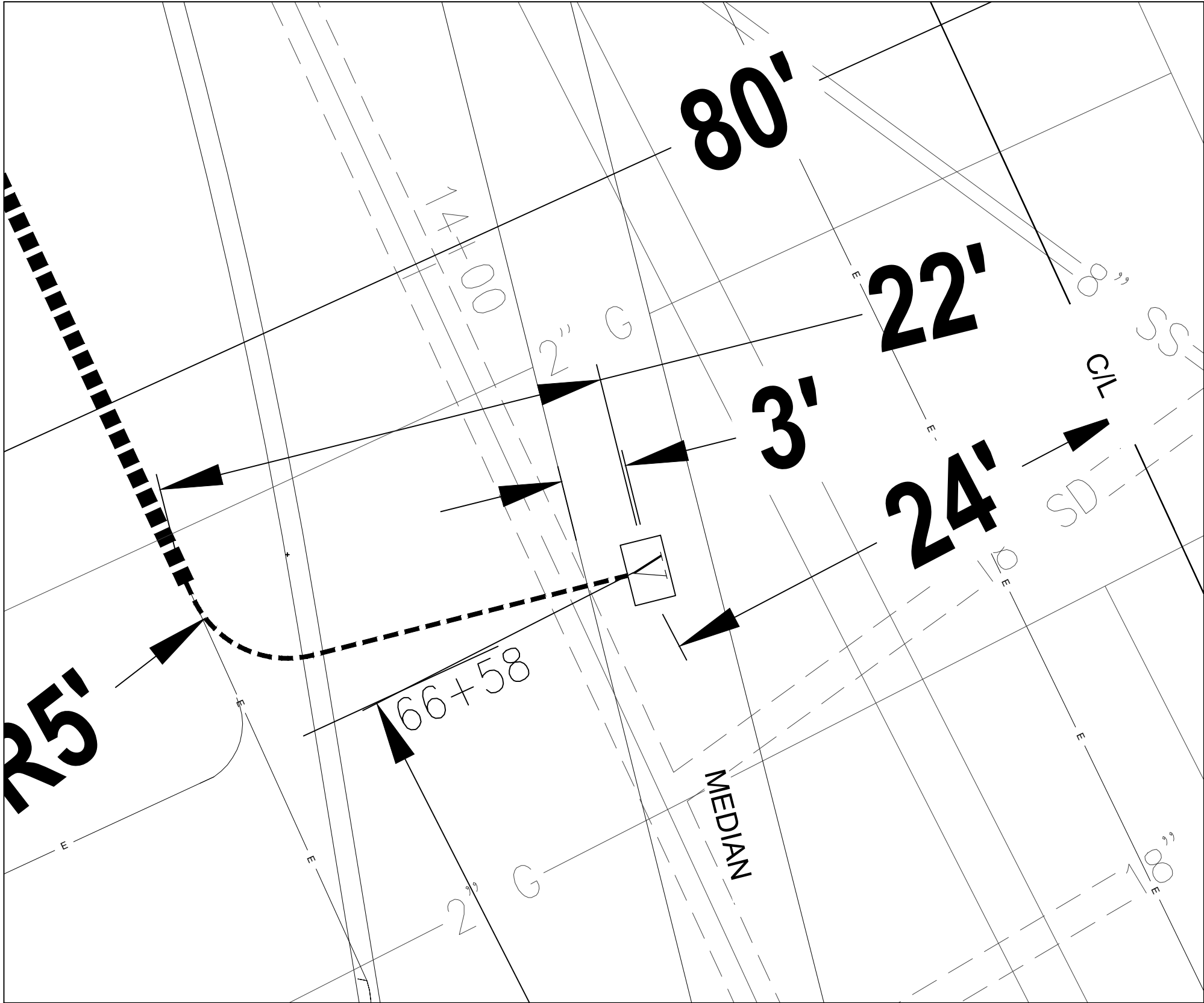
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET

**CROWN CASTLE**

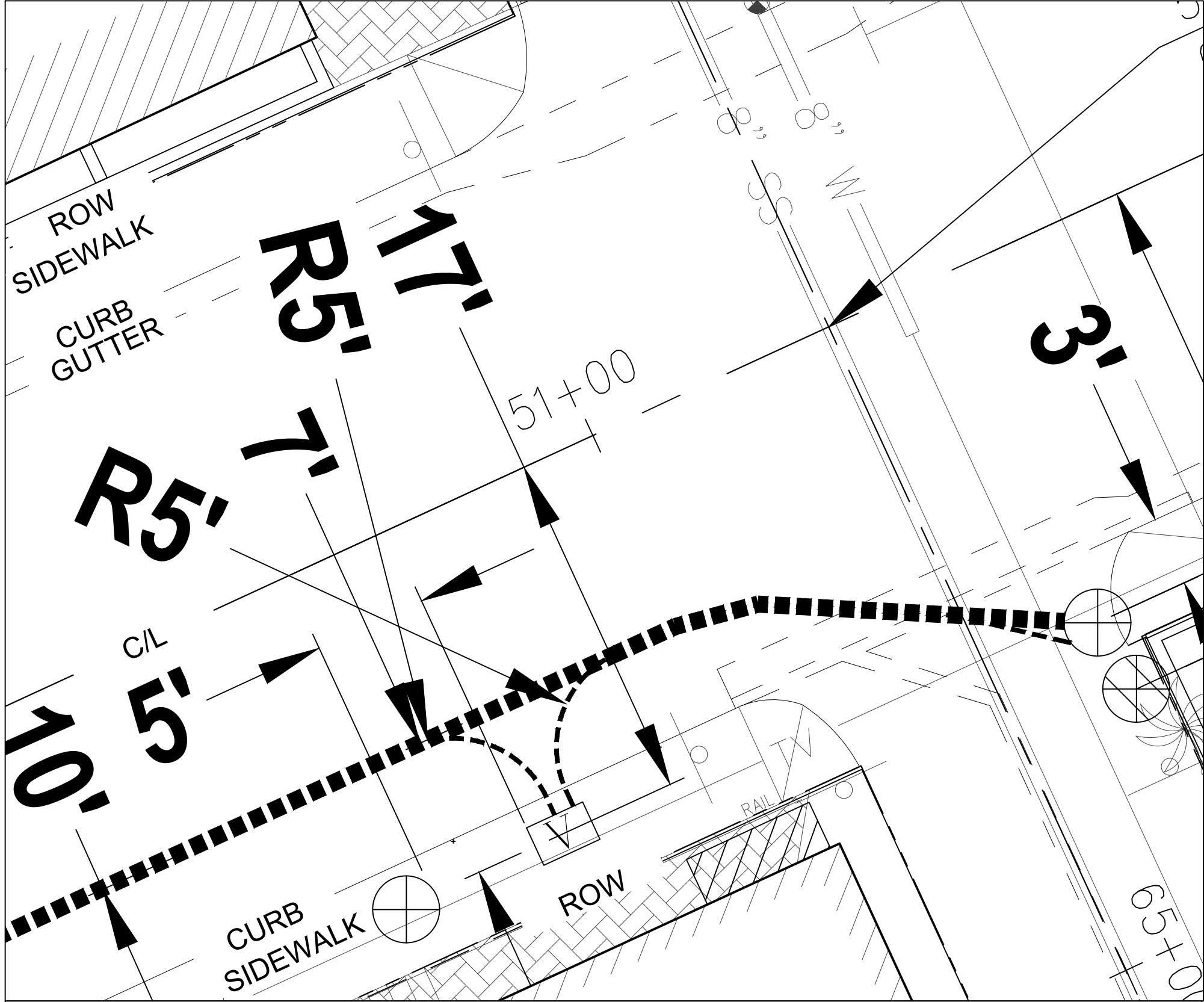
PROJECT ID: HERMOSA BEACH SHEET 7 OF 9

LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254

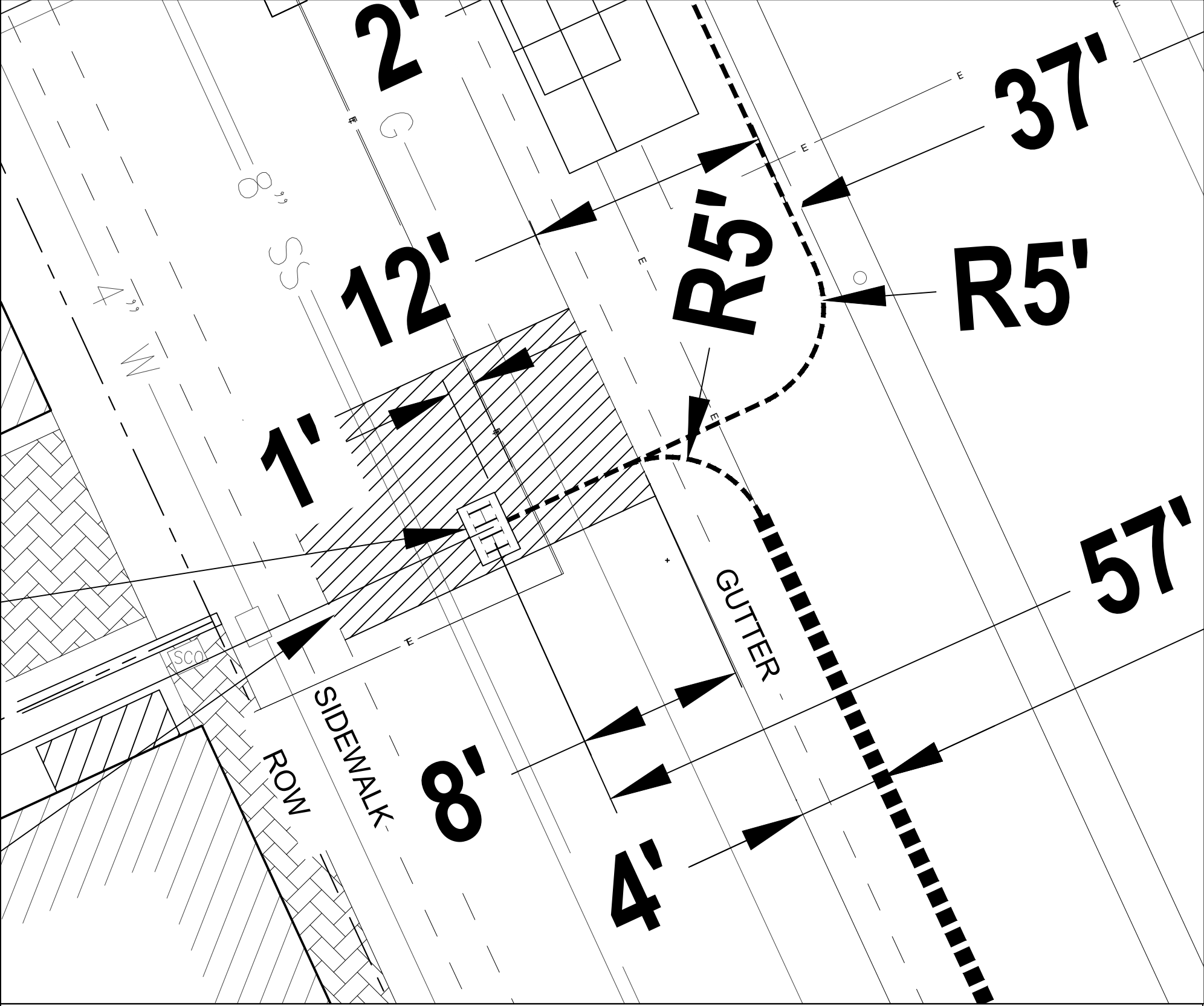




DETAIL "A-A"  
NTS



DETAIL "B-B"  
NTS



DETAIL "C-C"  
NTS

UNDERGROUND SERVICE ALERT

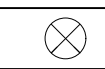
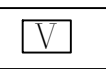
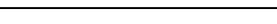
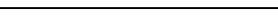
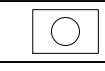



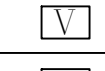
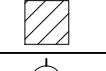



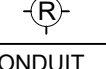
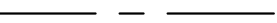

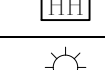
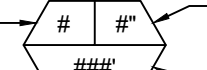
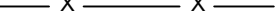
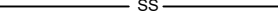
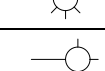

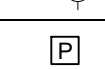









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REVISIONS		
NO.	DATE	DESCRIPTIONS

UNDERGROUND 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

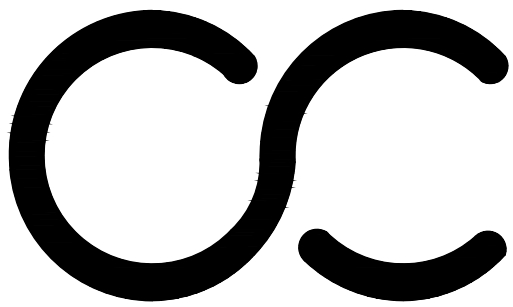
LEGEND							
EXISTING	SYM	PROPOSED	SYM	EX. CONDITIONS	LINETYPES	EX. UTILITIES	LINETYPES
UTILITY POLE		NEW VAULT		CURB AND GUTTER (C&G)		CATV	
MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC	
VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC	
PEDESTAL		RISER POLE		CENTERLINE		GAS	
HAND HOLE		<div>CONDUIT COUNT</div> <div></div> <div>CONDUIT SIZE</div> <div>###</div> <div>DISTANCE</div>		FENCE		SANITARY SEWER	
STREET LIGHT					PROPOSED BORE		STORM DRAIN
FIRE HYDRANT		ANCHORS		PROPOSED TRENCH		TELEPHONE	
POT HOLE					PROPOSED JOINT TRENCH		WATER

CITY OF HERMOSA BEACH



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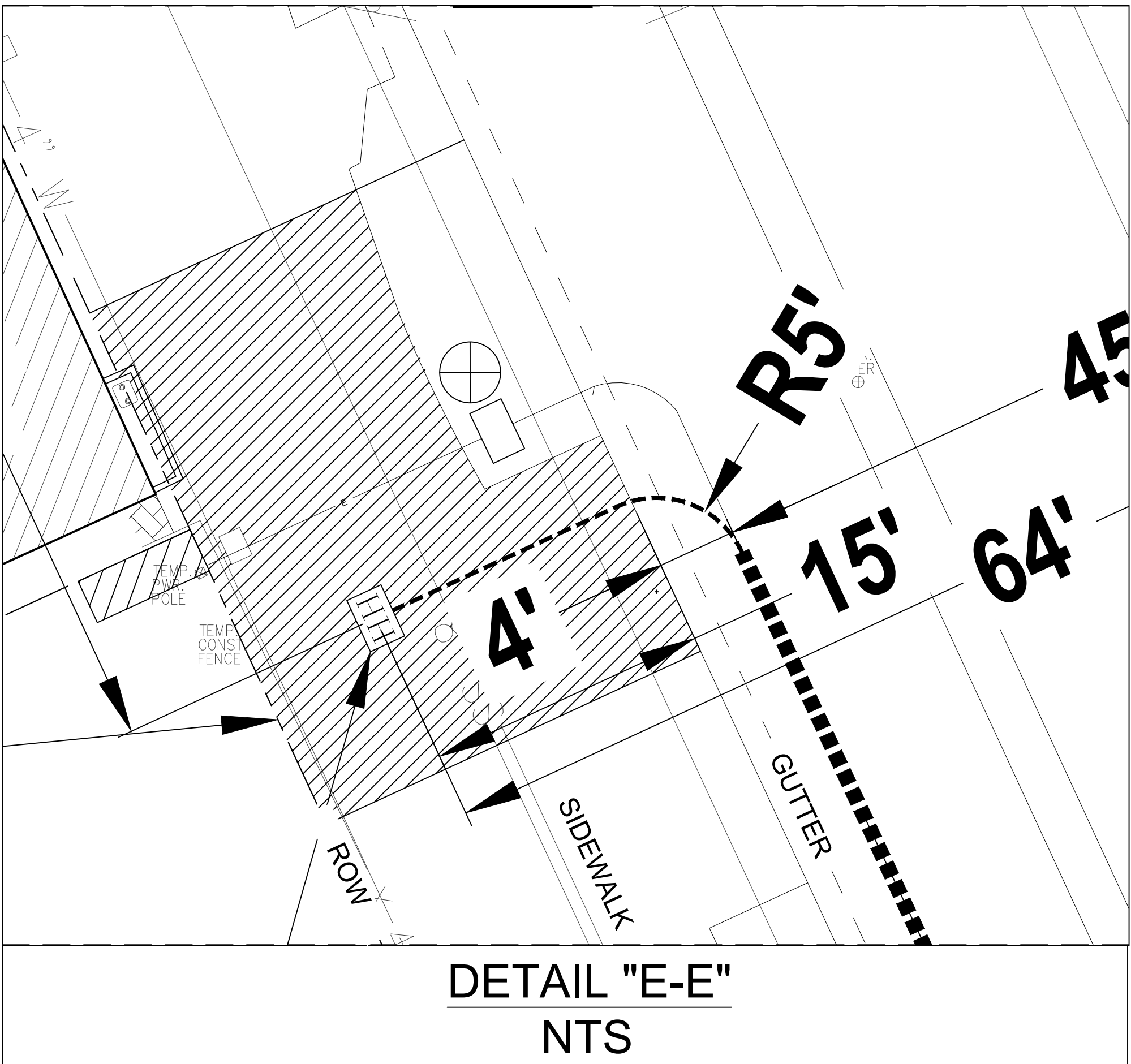
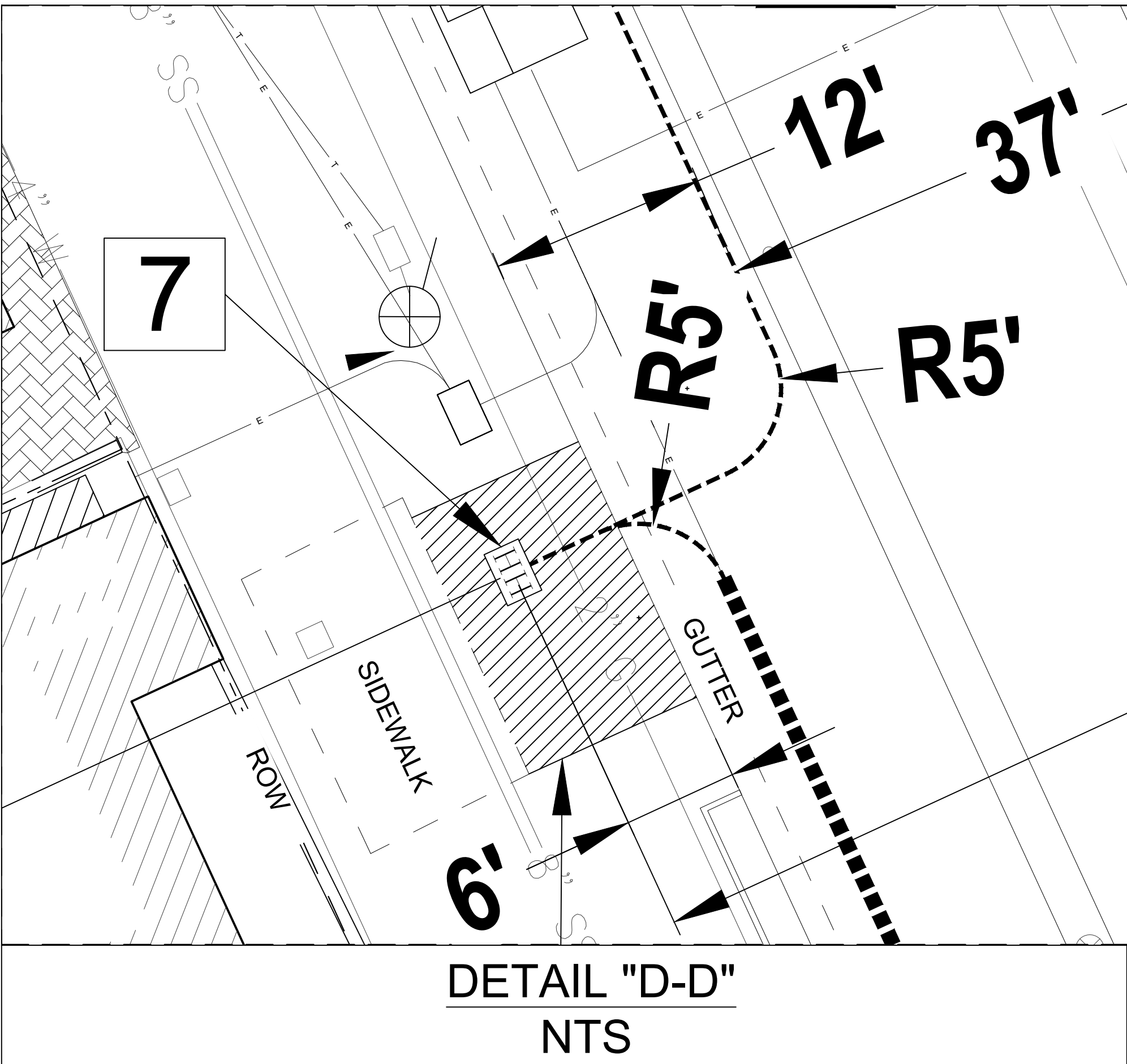
2042 S GROVE AVE ONTARIO, CA 91761  
PROJECT MANAGER: CHRIS SABANDO  
CELL: 909-731-8116    PHONE 909-230-5170  
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



CROWN CASTLE

PROJECT ID: HERMOSA BEACH    SHEET 8 OF 9  
LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254





UNDERGROUND SERVICE ALERT

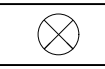


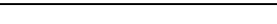
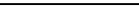
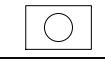


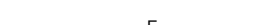

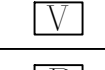
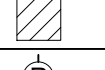



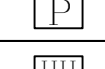
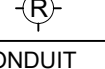

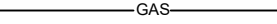
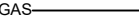
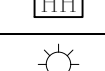
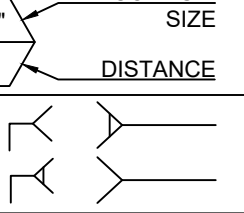
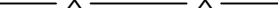
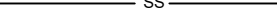
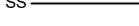
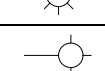



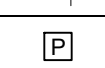









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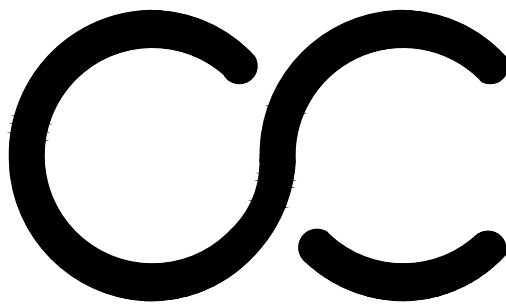
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MAN HOLE		NEW PEDESTAL		LANE STRIPING		ELECTRIC		E	
VAULT		BORE PIT		RIGHT OF WAY		FIBER OPTIC		FO	
PEDESTAL		RISER POLE		CENTERLINE		GAS		GAS	
HAND HOLE		ANCHORS		FENCE		GAS		SS	
STREET LIGHT				PROPOSED BORE		SANITARY		SD	
FIRE HYDRANT				PROPOSED TRENCH		SEWER		T	
POT HOLE				PROPOSED JOINT TRENCH		STORM DRAIN		W	

CITY OF HERMOSA BEACH



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CELL: 909-731-8116    PHONE 909-230-5170  
EMAIL: CSABANDO@HHSCOMMUNICATIONS.NET



CROWN  
CASTLE

PROJECT ID: HERMOSA BEACH    SHEET 9 OF 9  
LOCATION: HERMOSA BEACH GREENWICH VILLAGE,  
HERMOSA BEACH, CA 90254