

CALIFORNIA COASTAL COMMISSION

South Coast Area Office
301 East Ocean Blvd., Suite 300
Long Beach, CA 90802
(562) 590-5071



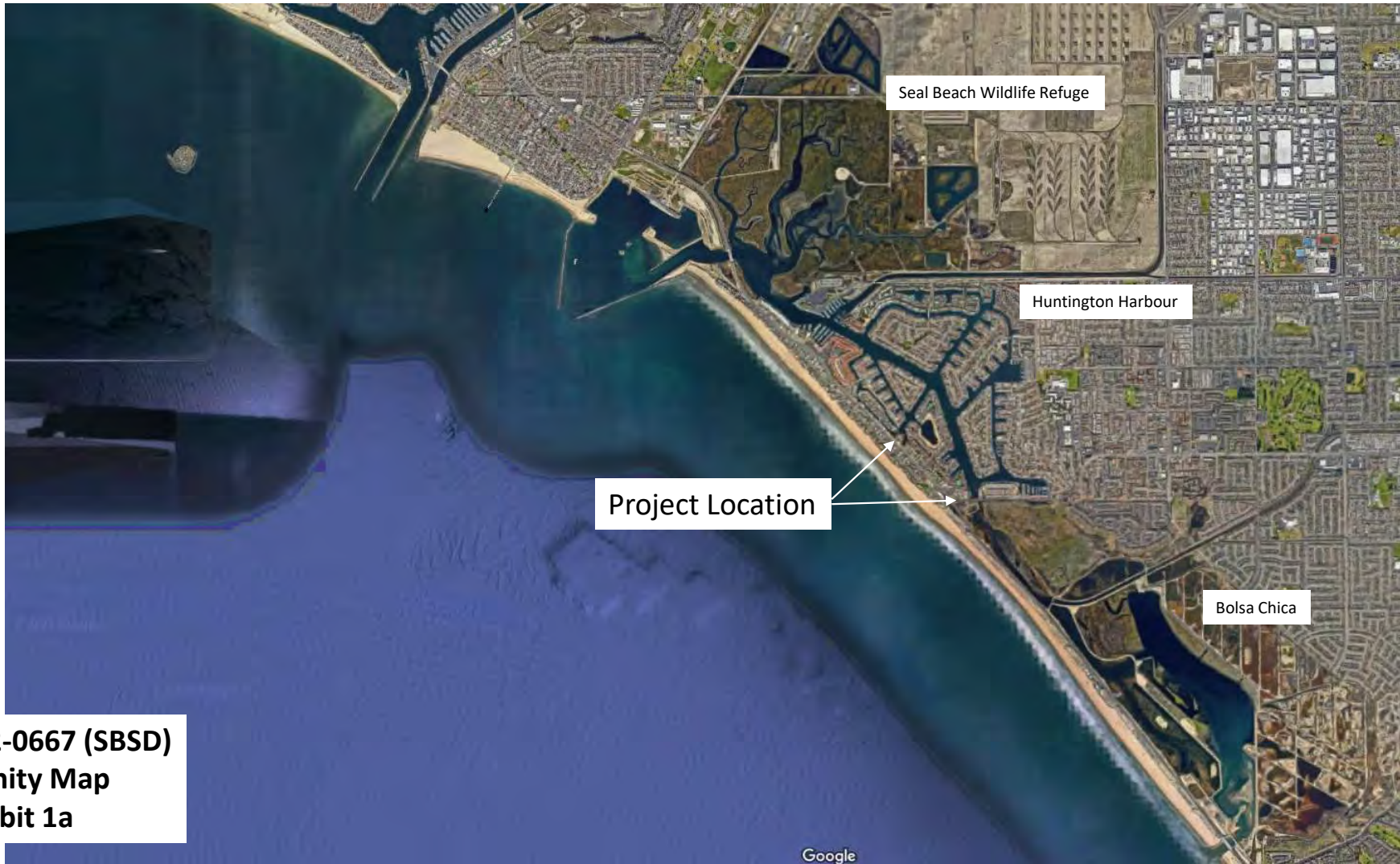
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5-22-0667 (Sunset Beach Sanitary District) November 16, 2022

EXHIBITS:

- Exhibit 1 – Vicinity
- Exhibit 2 – Project Plans
- Exhibit 3 – Heron Nest Locations
- Exhibit 4 – Tunneling Locations
- Exhibit 5 – Project Phasing Plan
- Exhibit 6 – Dewatering Plan
- Exhibit 7 – RWQCB Application

Appendix B Cultural Resources Significance Testing Plan Procedures



5-22-0667 (SBSD)
Vicinity Map
Exhibit 1a

**5-22-0667 (SBSD)
Vicinity Map
Exhibit 1b**

Project from Broadway to Warner Ave
Sunset Beach, Orange County
3,300' pipeline along N. Pacific Ave. and
Greenbelt Park.

Google



Exhibit No. 2

**5-22-0667 Sunset Beach Sanitary District
Project Plans (15 pages)**

SUNSET BEACH SANITARY DISTRICT
BROADWAY PUMP STATION BYPASS SEWER

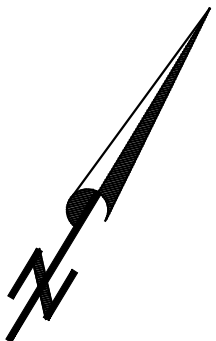


ABBREVIATIONS

ABAND	ABANDONED	N	NORTH
AB	AGGREGATE BASE	NO.	NUMBER
AC	ASPHALT CONCRETE	NTS	NOT TO SCALE
ACP	ASBESTOS CEMENT PIPE	PB	PULL BOX
AV/AR	AIR VALVE/AIR RELEASE ASSEMBLY	PCC	PORTLAND CEMENT CONCRETE
		PIV	POST INDICATOR VALVE
BTM	BOTTOM	P/L	PROPERTY LINE
BEG	BEGIN	PRELIM.	PRELIMINARY
BFP	BACKFLOW PREVENTER	PROP.	PROPOSED
BFV	BUTTERFLY VALVE	PVMT	PAVEMENT
CAB	CRUSHED AGGREGATE BASE	R/W	RIGHT-OF-WAY
CATV	CABLE TELEVISION	REF	REFERENCE
C&G	CURB AND GUTTER	RCA	RESTRAINED (DRESSER) COUPLING
CL	CENTERLINE / CLASS		ADAPTER
CONC	CONCRETE	RD	ROAD
CONST.	CONSTRUCT	RFCA	RESTRAINED FLANGED COUPLING
DOM	DOMESTIC SERVICE		ADAPTER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	RJ	RESTRAINED JOINT
		RPDA	REDUCED PRESSURE DETECTOR
DI	DUCTILE IRON		ASSEMBLY
D/S	DOWNSTREAM	RSGV	RESILIENT SEAT GATE VALVE
DWG	DRAWING	RT	RIGHT
E	EXISTING / EAST	S	SEWER / SOUTH
ELEV	ELEVATION	SD	STORM DRAIN
ENG	ENGINEERING	SH	SHEET
EXIST.	EXISTING	SL	STREET LIGHT
FDC	FIRE DEPARTMENT CONNECTION	SFM	SEWER FORCE MAIN
		ST	STREET
FH	FIRE HYDRANT	STA	STATION
FIRE	FIRE SERVICE	STD	STANDARD
FL	FLOWLINE	STL	STEEL
FLG'D	FLANGED	SW	SIDEWALK
FT.	FEET	T	TELEPHONE
FUT.	FUTURE	TB	THRUST BLOCK
G	GAS	TBA	TO BE ABANDONED
GB	GRADE BREAK	TEMP	TEMPORARY
GV	GATE VALVE	TJ	PUSH ON JOINT
HDD	HORIZONTAL DIRECTIONAL DRILLING	TYP	TYPICAL
		ULT	ULTIMATE
HOR	HORIZONTAL	U/O	UNKNOWN OBJECT
HP	HIGH PRESSURE	U/S	UPSTREAM
INTER	INTERSECTION	VAR	VARIES
INV	INVERT	VER	VERTICAL
IRR	IRRIGATION	W	WATER / WEST
LAT	LATERAL	WM	WATER METER
LF	LINEAR FEET	WV	WATER VALVE
MAX	MAXIMUM		
MFT	MANUFACTURER		
MH	MANHOLE		
MIN	MINIMUM		
MJ	MECHANICAL JOINT		



VICINITY MAP
N.T.S.



PUBLIC SERVICES AGENCIES

(CALL THE FOLLOWING AGENCIES AT LEAST TWO WORKING DAYS PRIOR TO ANY EXCAVATION)

CITY OF HUNTINGTON BEACH	(714) 374-1533 DAVID RICO
SPECTRUM - GARDEN GROVE	(714) 591-4871 DON SIMONS
FRONTIER COMMUNICATIONS	(714) 375-6705 RAY ROUNDTREE
TESORO REFINING AND MARKETING CO.	(714) 880-1687 CINDY SMITH
SOUTHERN CALIFORNIA GAS TRANSMISSION	(714) 634-3213 KEVIN QUINN
SOUTHERN CALIFORNIA EDISON CO.	(909) 548-7449 GILBERT ACEVES
SUNSET BEACH SANITARY DISTRICT	(714) 330-3728 JIM CASLIN
MCI (VERIZON BUSINESS)	(800) 289-3427 EFRAIN RODRIGUEZ
SOUTHERN CALIFORNIA GAS DISTRIBUTION	(714) 634-3213 JEFFREY A. NORRIS

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE LOCAL GOVERNMENT AGENCIES, THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATION No. 5100 AND G.P.S. No. 5121 BEING N 79°38'00" W PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. COORDINATES SHOWN ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM (CCS NAD 83) ZONE VI, 2017.50 EPOCH ADJ. ALL DISTANCES SHOWN ARE GROUND, UNLESS OTHERWISE NOTED. TO OBTAIN GRID DISTANCES MULTIPLY GROUND DISTANCE BY 0.99998231.

HORIZONTAL CONTROL DATA - CCS83, ZONE VI

GPS#: 5100 COMBINATION FACTOR: 0.99998229

EPOCH ADJUSTMENT	LATITUDE	LONGITUDE	NORTHING (FT)	EASTING (FT)
2017.50	33 43 22.47442	118 04 11.15739	2211497.76	6008353.56

FD 2" I.P. WITH BRASS TAG, (ILLEGIBLE), DOWN 1.05' IN HUNTINGTON BEACH WELL MONUMENT. ACCEPTED AS TAG STAMPED "RCE 8348" PER MM 168/14-18. STATION IS LOCATED AT CENTER OF CUL-DE-SAC AT THE NW END OF MALDEN CIRCLE.

GPS #: 5121 COMBINATION FACTOR: 0.99998232

EPOCH ADJUSTMENT	LATITUDE	LONGITUDE	NORTHING (FT)	EASTING (FT)
2017.50	33 43 26.80668	118 04 42.59653	2211982.06	6005706.15

FD 2 1/2" OCS ALUMINUM DISK IS CONC., STAMPED "5-88", DOWN 1.41' IN WELL MONUMENT PER CR 2007-1913. STATION IS LOCATED ALONG THE CENTERLINE OF ANDERSON ST., 47.83' NORTHEASTERLY FROM PACIFIC AVE. SOUTH.

BENCH MARK

THE BENCH MARK FOR THIS PROJECT IS THE ORANGE COUNTY PUBLIC WORKS BENCH MARK NO. G-978. A 3 3/4" USCGS BRONZED BENCHMARK DISK STAMPED "G 978 1964", SET IN THE SOUTHWESTERLY CORNER OF A CONCRETE BRIDGE SPANNING A SMALL FINGER CHANNEL OF HUNTINGTON HARBOR. MONUMENT IS LOCATED IN THE SOUTHEASTERLY CORNER OF THE INTERSECTION OF PACIFIC COAST HIGHWAY AND BROADWAY, 14.4 FT. SOUTHERLY OF THE CENTERLINE OF BROADWAY, 75.5 FT. EASTERLY OF THE NORTHERLY LANES ALONG PCH AND 3.3 FT. NORTHWESTERLY OF THE SOUTHWESTERLY END OF THE GUARD RAIL ALONG THE BRIDGE. MONUMENT IS SET LEVEL WITH THE SIDEWALK.
ELEVATION: 10.256 (NAVD88) 2005

LEGEND

⊙	SEWER MANHOLE	— — — 16"W —	EXISTING WATER LINE
⊙	UTILITY MANHOLE	— — — 24"SD —	EXISTING STORM DRAIN
⊙	STORM DRAIN MANHOLE	— — — 8"SS —	EXISTING SEWER LINE
⊙WV	WATER VALVE	— — — 4"G —	EXISTING GAS LINE
=WM	WATER METER	— — — E —	EXISTING ELECTRIC LINE
+	TRAFFIC SIGN	— — — T —	EXISTING TELEPHONE LINE
⊙FH	FIRE HYDRANT	— — — CATV —	EXISTING CABLE TV LINE
☀	STREET LIGHT POLE	— — — FO —	EXISTING FIBER OPTIC LINE
○	TRAFFIC LOOP	— — — TS —	EXISTING TRAFFIC SIGNAL LINE
●	UTILITY POLE	— — — OH —	EXISTING OVERHEAD LINE
□	PULL BOX / RISER	— — — —	PROPOSED SEWER MAIN
⊙	TRAFFIC SIGNAL		

REVISIONS

NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:
AS SHOWN

R. BACHUYALA
DESIGNED:
R. BACHUYALA
DRAWN:
M. KADIYALA
CHECKED:

CALL 811
AT LEAST TWO DAYS
BEFORE YOU DIG

Know what's
below.
Call before you dig.

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

MURPHY KADIYALA
No. C73472

LEE+RO
WATER INFRASTRUCTURE ENGINEERS
1199 S. FULLERTON RD.
CITY OF INDUSTRY, CA 91748
TEL: (626) 912-3391
FAX: (626) 912-2015

SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT

APPROVED BY:

THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424 DATE

BROADWAY PUMP STATION
BYPASS SEWER

TITLE SHEET

DRAWING

G-01

SHEET 1 OF 15

J:\PROJECTS\1226 595D Broadway PS Bypass Sewer\4DWG\Current Submittal\01--GEN\1226-G-02.dwg Jun 29, 2022 -- 11:14am

GENERAL NOTES

1.

ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND SUPPLEMENTS THERETO (APWA/AGC, "GREEN BOOK"). UNLESS SPECIFICALLY NOTED OTHERWISE.

2.

ALL WORK SHALL CONFORM TO THESE PLANS, THE LANDSCAPE STANDARD PLANS, ARBORICULTURAL & LANDSCAPE STANDARDS AND SPECIFICATIONS, THE WATER DIVISION STANDARD PLANS, CITY OF HUNTINGTON BEACH ORDINANCES, AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.

3.

THE CONTRACTOR SHALL NOTIFY THE HUNTINGTON BEACH PUBLIC WORKS DEPARTMENT AT (714) 536-5431 AT LEAST 48 HOURS PRIOR TO BEGINNING ANY WORK.

4.

WORKING/INSPECTION HOURS ARE TO BE APPROVED BY THE CITY OF HUNTINGTON BEACH AND CALTRANS.

5.

ALL WORK WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS REQUIRE AN ENCROACHMENT PERMIT BE OBTAINED FROM THE CITY OF HUNTINGTON BEACH PUBLIC WORKS DEPARTMENT AND CALTRANS PRIOR TO THE START OF WORK.

6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TESTING REQUIRED BY THE CITY.

7.

THE CONTRACTOR SHALL KEEP A SIGNED SET OF APPROVED PLANS AND A COPY OF THE ENCROACHMENT OR GRADING PERMITS ON THE JOBSITE DURING WORKING OPERATIONS.

8.

ALL WORK SHALL COMPLY WITH CONDITIONS ESTABLISHED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD AND THE CITY.

9.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS.

10.

THE CONTRACTOR SHALL RESTORE OR REPLACE IN KIND ALL EXISTING IMPROVEMENTS DISTURBED DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO PAVING, UTILITIES, STREET STRIPING, LANDSCAPING AND SIGNS.

11.

ALL WORK PERFORMED SHALL BE GUARANTEED FOR A ONE-YEAR PERIOD.

12.

ONE SACK SLURRY BACKFILL SHALL BE USED FOR ALL TRENCH CROSSINGS OF STREETS AND ALL TRENCHES WITHIN ALLEYS.

13.

SURVEY MONUMENTS OR ACCESSORIES TO THE SAME (TIE POINTS) SHALL BE PRESERVED, REFERENCED AND/OR REPLACED PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, OF THE STATE OF CALIFORNIA. EXISTING SURVEY MONUMENTS AND THEIR ACCESSORIES IN DANGER OF BEING DISTURBED, COVERED, DAMAGED OR OTHERWISE OBLITERATED SHALL HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SURVEYOR AND THE LOCAL AGENCY PRIOR TO CONSTRUCTION. IN ADDITION A CORNER RECORD SHALL BE FILED WITH THE ORANGE COUNTY SURVEYOR'S OFFICE AND THE LOCAL AGENCY PRIOR TO THE CERTIFICATE OF COMPLETION (HUNTINGTON BEACH PUBLIC WORKS INSPECTOR'S SIGN OFF) IF THE CHARACTER OF THE MONUMENT OR ACCESSORY TO THE SAME HAS BEEN AFFECTED.

14.

TEMPORARY MONUMENTS SET TO ESTABLISH LINES OF CONTROL, OWNERSHIP, EASEMENTS SUBDIVISION OR TRACT BOUNDARIES OR SET AS A DIRECT REFERENCE TO THE SAME SHALL NOT BE ACCEPTED. PERMANENT MONUMENTS WHICH COMPLY WITH SECTION 8772, OF THE BUSINESS AND PROFESSIONS CODE SHALL BE REQUIRED PRIOR TO GRADING ACTIVITIES. A COPY OF THE CORNER RECORD OR RECORD OF SURVEY, SHALL BE SUBMITTED TO THE HUNTINGTON BEACH PUBLIC WORKS INSPECTOR PRIOR TO APPROVAL OF GRADING ACTIVITIES.

15.

ALL USA MARKINGS SHALL BE REMOVED WITHIN 24 HOURS OF COMPLETION OF THE WORK.

16.

THE CONTRACTOR SHALL POST PROJECT SIGNAGE (PER OCSD STD DETAIL XX) IN VISIBLE AREAS TO NOTIFY RESIDENTS AND BUSINESSES OF PENDING CONSTRUCTION 3 WEEKS IN ADVANCE OF CONSTRUCTION START DATE.

GENERAL NOTES – CONTINUED

UTILITIES AND UNDERGROUND WORK

1.

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES HAVING FACILITIES WITHIN THE WORK AREA AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.

2.

WHENEVER POSSIBLE, ALL UTILITY SERVICES SHALL BE INSTALLED BELOW WATER MAINS AND APPURTENANCES WITH A ONE FOOT MINIMUM CLEARANCE WHERE THE LINES CROSS. UTILITY CONDUITS (EXCLUDING SEWER AND RECLAIMED WATER), LATERALS AND SERVICES SHALL NOT BE ALLOWED WITHIN FIVE FEET OF PARALLEL WATER FACILITIES. SEPARATION OF SEWER, WATER, AND RECLAIMED WATER LINES SHALL CONFORM TO STATE OF CALIFORNIA, DEPARTMENT OF PUBLIC HEALTH STANDARDS AND CITY WATER DIVISION STANDARDS.

3.

ALL UTILITY SERVICES SHALL BE CONNECTED TO EXISTING METERS PRIOR TO PAVING OF STREETS.

4.

WATER FACILITIES AND APPURTENANCES SHALL COMPLY WITH CITY OF HUNTINGTON BEACH WATER DIVISION STANDARDS AND SPECIFICATIONS AND SHALL BE INSPECTED.

5.

ALL REQUIRED WATER FACILITIES INCLUDING FIRE HYDRANTS AND APPURTENANCES SHALL BE ACCESSIBLE AND FULLY OPERATIONAL PRIOR TO CONSTRUCTING ANY PERMANENT STRUCTURE USING COMBUSTIBLE MATERIALS.

6.

ALL UTILITY SERVICE LINES SHALL HAVE A LOCATION IDENTITY MARKING ON THE TOP OF CURB (I.E. "S" FOR SEWER, "G" FOR GAS, "W" FOR WATER).

7.

BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% IN THE UPPER THREE FEET, MEASURED FROM THE PAVEMENT SURFACE, OR FROM FINISH GRADE WHERE THERE IS NO PAVEMENT. COMPACTION SHALL BE VERIFIED BY A SOILS REPORT PREPARED BY A REGISTERED ENGINEER.

8.

TRENCH RESURFACING AND SIDEWALK REPLACEMENT SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN FIVE WORKING DAYS AFTER SUBGRADE COMPACTION HAS BEEN COMPLETED.

9.

ALL UTILITIES SHALL BE BORED UNDER ARTERIAL HIGHWAYS UNLESS OTHERWISE APPROVED BY THE CITY OF HUNTINGTON BEACH ENGINEER.

10.

NO STREET SHALL BE OPEN-CUT IF PAVED OR SEALED WITHIN THE PREVIOUS THREE YEARS, EXCEPT AS ALLOWED IN HBMC CHAPTER 12.13. SUCH OPEN CUTS SHALL BE SLURRY SEALED, TYPE 1, TO THE LIMITS REQUIRED BY THE CITY OF HUNTINGTON BEACH ENGINEER.

11.

ALL EXISTING STREET LIGHTING APPURTENANCES SHALL BE PROTECTED IN PLACE UNLESS CONSTRUCTION PLANS NOTE OTHERWISE. DISRUPTED OR DAMAGED STREET LIGHTING SYSTEMS SHALL BE REPAIRED OR REPLACED TO THE CURRENT HUNTINGTON BEACH PUBLIC WORKS DEPARTMENT STANDARDS AS DIRECTED BY THE CITY OF HUNTINGTON BEACH TRANSPORTATION MANAGER. DAMAGED CITY OWNED STREET LIGHT CONDUIT OR CABLE SHALL BE REPLACED FROM POLE TO POLE. SOUTHERN CALIFORNIA EDISON COMPANY OWNED STREET LIGHT CABLE AND CONDUIT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF S.C.E.

12.

ALL STREETS THAT ARE SLURRY SEALED, FOG SEALED, OR CHIP SEALED SHALL HAVE ALL EXISTING STRIPING AND RAISED PAVEMENT MARKERS SAND BLASTED PRIOR TO SEALING. STRIPING AND RAISED PAVEMENT MARKERS SHALL BE REPLACED TO THE SATISFACTION OF THE CITY OF HUNTINGTON BEACH TRANSPORTATION MANAGER.

13.

ALL TRENCHES SHALL BE SAWCUT UNLESS OTHERWISE DIRECTED BY THE CITY OF HUNTINGTON BEACH ENGINEER.

GENERAL NOTES – CONTINUED

SEWER NOTES:

1.

THE FACILITIES AS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE ORANGE COUNTY SEWER DISTRICT'S "DESIGN CRITERIA AND STANDARD DRAWINGS FOR SEWER FACILITIES" AND PORTIONS OF THE STANDARD SPECIFICATIONS ("STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREEN BOOK)), AS LAST RELEASED. THE CONTRACTOR SHALL HAVE A COPY OF EACH OF OF THESE STANDARDS, AS WELL AS A COPY OF THE PROJECT PLANS AND SPECIFICATIONS, ON THE JOB AT ALL TIMES.

2.

ALL BURIED BOLTS, ANCHOR BOLTS AND NUTS SHALL BE TYPE 316 STAINLESS STEEL.

3.

ALL BURIED METAL APPURTENANCES IN CONTACT WITH THE SOIL OR WATER, INCLUDING PIPE, FLANGES, VALVES, COUPLINGS ETC. SHALL BE COATED WITH CARBOLINE POLYCLAD 975 OR APPROVED EQUAL.

4.

NO FACILITY IS TO BE BACKFILLED UNTIL INSPECTED BY THE DISTRICT.

5.

ALL PIPING SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SPECIFICATIONS AND THE DISTRICT'S STANDARDS, WHICHEVER IS MORE STRINGENT.

6.

TRACER WIRE SHALL BE INSTALLED WITH ALL NON FERROUS PIPE, INCLUDING HDPE PIPE.

7.

VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN PIPELINES AND ALL OTHER EXISTING UTILITIES ARE FOR REFERENCE ONLY AND HAVE NOT BEEN FIELD VERIFIED OR CONFIRMED WITH RECORD DRAWINGS.

8.

ALL TRENCH PATCHING SHALL BE PAVED FLUSH WITH EXISTING PAVEMENT.

9.

ALL MANHOLE RIMS SHALL BE SET TO BE FLUSH WITH PROPOSED AND EXISTING PAVEMENT AS WELL AS CONCRETE.

10.

CONTRACTOR SHALL POTHOLE ALL POTENTIAL CROSSINGS OF EXISTING UTILITIES AND SHALL SUBMIT COMPREHENSIVE POTHOLING DATA FOR REVIEW FOLLOWING POTHOLING, AND SHALL ANTICIPATE A TWO WEEK LAPSE BETWEEN REVIEW OF DATA AND COMMENCEMENT OF THE BULK OF THE CONSTRUCTION OPERATION.

11.

ALL CIVIL SITE WORK CONCRETE SHALL BE CLASS 560-C-3250 MINIMUM, UNLESS NOTED OTHERWISE.

12.

CONTRACTOR SHALL RESTORE ALL FACILITIES OUTSIDE LIMITS OF WORK DAMAGED BY CONSTRUCTION OPERATIONS TO EQUAL OR BETTER THAN THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE DISTRICT.

13.

THE PLANS SHOW ALL EXISTING UTILITIES BASED ON FACILITY MAPS AND ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALIGNMENT AND ELEVATION OF EXISTING UTILITIES AFFECTING THE WORK PRIOR TO CONSTRUCTION. PRIOR TO ANY DIGGING, CALL U.S.A. AT 811 A MINIMUM OF 48 HOURS IN ADVANCE OF EXCAVATION.

14.

EXISTING SANITARY SEWER LINES ARE TO BE PROTECTED IN PLACE DURING CONSTRUCTION. CONTRACTOR SHALL LOCATE LINES PRIOR TO BEGINNING WORK.

15.

ALL STREET MARKINGS, STRIPING, AND MARKERS AFFECTED BY CONSTRUCTION SHALL BE REPLACED AT THEIR EXISTING LOCATIONS AT NO ADDITIONAL COST TO THE DISTRICT. THIS INCLUDES DAMAGE OF STREET MARKINGS ON ANY STREET DAMAGED BY CONSTRUCTION OPERATIONS.

16.

ALL PAVEMENT SHALL BE SAWCUT TO FULL DEPTH FOR PIPE TRENCH AND FOR PAVEMENT REMOVAL.

17.

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN AND OTHER DEVICES TO PROVIDE VEHICULAR AND PEDESTRIAN SAFETY.

18.

CONTRACTOR SHALL PROTECT ALL UTILITY STRUCTURES AND SURVEY MONUMENTS WITHIN THE WORK AREAS. THE CONTRACTOR SHALL REVIEW THE WORK SITES PRIOR TO SUBMISSION OF BIDS.

19.

THE CONTRACTOR SHALL BYPASS PUMP ALL SANITARY SEWER FLOW DURING CONSTRUCTION AND RECONNECTION TO EXISTING MANHOLES. PEAK SEWER FLOW IS 50 GALLONS PER MINUTE.

20.

DIMENSIONS SHOWN ON PLANS ARE HORIZONTAL MEASUREMENTS.

21.

HORIZONTAL DIMENSIONS PROVIDED ON THE DRAWINGS ARE BASED ON RECORD DRAWING INFORMATION. FIELD MEASUREMENTS MAY VARY FROM THOSE ON THE DRAWINGS. PAYMENT WILL BE BASED ON QUANTITIES INSTALLED.

22.

RIGHT OF WAY LINES ARE SHOWN AT APPROXIMATE LOCATIONS.

23.

IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY FIELD CONFLICTS OR OMISSIONS. LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS PRIOR TO DIGGING.

24.

ALL STREET SURFACES AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE WATER TESTED BY THE CONTRACTOR TO ENSURE POSITIVE DRAINAGE AND ELIMINATION OF BIRD BATHS PRIOR TO INITIAL ACCEPTANCE.

25.

EXISTING EASEMENTS SHOWN ON THE PLANS BASED ON THE AVAILABLE RECORDS.

26.

CONTRACTOR SHALL OBTAIN A HUNTINGTON BEACH ENCROACHMENT PERMIT PRIOR TO START OF WORK.

27.

CONTRACTOR SHALL REDUCE DIESEL EMISSIONS BY LIMITING THE USE OF EQUIPMENT, USE-GASOLINE-POWERED EQUIPMENT WHEN FEASIBLE, AND UTILIZING CURRENT DIESEL TECHNOLOGY.

TRENCH REPAIR AND DEWATERING NOTES:

1.

DUE TO THE PRESENCE OF GROUNDWATER IN SOIL BORINGS PER GEOTECH REPORT INCLUDED IN THE PROJECT SPECIFICATIONS, THE PIPE SAND BEDDING ENVELOPE PER CITY OF HUNTINGTON BEACH STD PLANS 315 (HDPE) AND 502 (VCP) SHALL ADDITIONALLY BE WRAPPED IN GEOTEXTILE FABRIC, MIRAFI 140N OR EQUIVALENT WITH 6" MINIMUM OVERLAP AT THE TOP.

2.

ADDITIONALLY APPLY TACK COAT AND INSTALL PETROMAT 4598 GEOSYNTHETIC PAVING FABRIC PER MANUFACTURER'S RECOMMENDATIONS, AFTER GRINDING BUT BEFORE OVERLAY.

3.

ANY SOFT AND/OR UNSTABLE MATERIAL ENCOUNTERED AT PIPE INVERT SHOULD BE REMOVED AND REPLACED WITH A PROPERLY COMPACTED FILL OR AN ADEQUATE BEDDING MATERIAL.

4.

WITH THE MOISTURE CONTENTS MEASURED IN SOME SITE SOILS EXCEEDINGLY HIGHER THAN THE CORRESPONDING OPTIMUM MOISTURE CONTENTS, ANY PLANNED RE-USE OF THESE VERY MOIST TO WET SOILS FOR TRENCH BACKFILL WILL REQUIRE SPECIAL BLENDING WITH SUITABLE DRY SOILS AND/OR AIR DRYING, OR OTHER ALTERNATIVES APPROVED BY THE GEOTECHNICAL CONSULTANT, IN ORDER TO ACHIEVE ACCEPTABLE SOIL MOISTURE CONTENT NEAR OPTIMUM MOISTURE CONTENT TO PERMIT RECOMPACTION OF THESE SOILS TO A MINIMUM 90 PERCENT RELATIVE COMPACTION PER ASTM D-1557 TEST METHOD.

5.

APPROVED TRENCH BACKFILL MATERIALS SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 8-INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED TO A MINIMUM OF ONE (1) PERCENTAGE POINT ABOVE CORRESPONDING OPTIMUM MOISTURE CONTENT FOR GRANULAR, SANDY SOILS, AND A MINIMUM OF TWO (2) PERCENTAGE POINTS ABOVE CORRESPONDING OPTIMUM MOISTURE CONTENT FOR COHESIVE, CLAYEY/SILTY SOILS, AND COMPACTED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION.

6.

CONTRACTOR SHALL INSTALL SUFFICIENT NUMBER OF SUMP PUMPS BELOW THE EXCAVATION BOTTOM WITHIN THE EXCAVATION PIT TO PUMP OUT THE IN-FLOWING GROUNDWATER TO MAINTAIN A RELATIVELY DRY AND WORKABLE CONDITION TO FACILITATE THE CONSTRUCTION WORK. SUMP PUMPS MAY NEED TO MAINTAIN NON-STOP OPERATION DURING OVERNIGHT HOURS TO KEEP THE GROUNDWATER FROM FLOWING BACK IN AND RISING UP AGAIN.

REVISIONS

NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:
AS SHOWN

811

Know what's below.
Call before you dig.

AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
J. MURPHY KADIYALA
No. C73472

CIVIL
STATE OF CALIFORNIA

LEE+RO

WATER INFRASTRUCTURE ENGINEERS
1199 S. FULLERTON RD.
CITY OF INDUSTRY, CA 91748
TEL: (626) 912-3391
FAX: (626) 912-2015

SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT

APPROVED BY:

THOMAS M. DAWES, DISTRICT ENGINEER, ROE 18424 DATE

BROADWAY PUMP STATION
BYPASS SEWER

GENERAL NOTES

DRAWING

G-02

SHEET 2 OF 15

GENERAL NOTES – CONTINUED

EROSION CONTROL NOTES:

- 1. EROSION CONTROL IS REQUIRED FOR GRADING OPERATIONS DURING “DRY SEASON” REQUIREMENTS (MAY 1 THROUGH SEPTEMBER 30) AND FOR “WET SEASON” REQUIREMENTS (OCTOBER 1 THROUGH APRIL 30). APPROVED PLANS ARE REQUIRED FOR ALL ROUGH GRADING OPERATIONS.
- 2. IN CASE OF EMERGENCY CALL:

(RESPONSIBLE PERSON)
(FIRM)

AT

(24 HOUR PHONE NO.)

- 3. THE DESIGN CIVIL ENGINEER WILL SUPERVISE EROSION CONTROL WORK AND ENSURE THAT WORK IS IN ACCORDANCE WITH THE APPROVED PLANS (IF REQUIRED).
- 4. THERE SHALL BE A “WEATHER TRIGGERED” ACTION PLAN AND THE ABILITY TO DEPLOY STANDBY SEDIMENT CONTROL BMP’S AS NEEDED TO PROTECT ALL EXPOSED PORTIONS OF THE SITE WITHIN 48 HOURS OF A PREDICTED STORM EVENT (A PREDICTED STORM EVENT IS DEFINED AS A NATIONAL WEATHER SERVICE FORECASTED, 50% CHANCE OF RAIN).
- 5. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY ENGINEER.
- 6. ALL REMOVABLE PROTECTIVE EROSION CONTROL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY.
- 7. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS, SILT FENCES, AND DESILTING BASINS, ETC.
- 8. GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
- 10. DESILTING BASINS ARE TO BE CONSTRUCTED AS GRADING OF INDIVIDUAL GRADING AREAS ARE COMPLETE PER ROUGH GRADING PLANS.
- 11. THE CITY ENGINEER RESERVES THE RIGHT TO MAKE CHANGES OR MODIFICATIONS TO THIS PLAN AS DEEMED NECESSARY.
- 12. INFORMATION ON THIS PLAN IS FOR EROSION CONTROL ONLY. ALL OTHER INFORMATION IS SUBJECT TO CHANGE.
- 13. TEMPORARY EROSION PROTECTION IS REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.
- 14. AREAS SHALL BE MAINTAINED IN SUCH A STATE THAT FIRE ACCESS SHALL BE MAINTAINED AT ALL TIMES (INCLUDING ACCESS TO NEIGHBORING PROPERTIES).
- 15. NO OBSTRUCTION OR DISTURBANCE OF NATURAL DRAINAGE COURSES OR EXISTING STORM DRAIN INLETS SHALL OCCUR DURING THE “WET SEASON”, UNLESS ADEQUATE TEMPORARY/ PERMANENT DRAINAGE FACILITIES HAVE BEEN APPROVED AND INSTALLED TO CARRY SURFACE WATER TO THE NEAREST PRACTICAL STREET, STORM DRAIN OR NATURAL WATER COURSE.
- 16. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM RUNOFF WILL BE CONTAINED WITHIN THE PROJECT OR CHanneLED INTO THE STORM DRAIN SYSTEM WHICH SERVES THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE ALLOWED TO DIVERT TO ANOTHER RUNOFF AREA.
- 17. CONFORMANCE WITH THE REQUIREMENTS OF THESE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TO THIS SITE AND ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT BE LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT.
- 18. SLOPES CONSTRUCTED PRIOR TO OCTOBER 1 SHALL BE TREATED FOR EROSION CONTROL PRIOR TO OCTOBER 15. SLOPES CONSTRUCTED AFTER OCTOBER 1 SHALL BE TREATED FOR EROSION CONTROL AS THE CONSTRUCTION OF SLOPE PROGRESSES IN INCREMENTS OF 25 FEET OR LESS MEASURED VERTICALLY.
- 19. FILL AREAS WHILE BEING BROUGHT UP TO GRADE AND DURING PERIODS OF COMPLETION PRIOR TO FINAL GRADE, SHALL BE PROTECTED BY VARIOUS MEASURES TO ELIMINATE EROSION AND THE SILTATION OF DOWNSTREAM FACILITIES AND ADJACENT AREAS. THESE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO: TEMPORARY DOWNDRAINS, EITHER IN THE FORM OF PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS; GRADED BERMS AROUND AREAS TO ELIMINATE EROSION OF FILL SLOPES BY SURFACE RUNOFF; CONFINED PONDING AREAS TO DESILT RUNOFF; TEMPORARY CHECK DAMS IN TOE OF SLOPE DITCHES TO DESILT RUNOFF; PROTECTION SUCH AS SAND BAGS AROUND INLETS WHICH HAVE NOT BEEN BROUGHT UP TO GRADE; AND EARTH BERMS AND APPROPRIATE GRADING TO DIRECT DRAINAGE AWAY FROM THE EDGE OF THE TOP OF SLOPES SHALL BE CONSTRUCTED AND MAINTAINED ON THOSE FILL AREAS WHERE EARTH-WORK OPERATIONS ARE NOT IN PROGRESS.
- 20. TOP OF CUT BROW DITCHES, WHERE REQUIRED ON THE PLANS, SHALL BE CONSTRUCTED PRIOR TO EXCEEDING 12 FEET OF CUT MEASURED VERTICALLY.
- 21. CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS THAT HAVE BEEN CLEARED AND GRUBBED PRIOR TO GRADING OPERATION, AND THAT ARE SUBJECT TO RUNOFF DURING THE PERIOD FROM THE BEGINNING OF THE “WET SEASON”. THESE MEASURES MAY INCLUDE BUT SHALL NOT BE LIMITED TO: GRADED DITCHES; BRUSH BARRIERS AND SILT FENCES. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND THE LIMITS OF GRADING.
- 22. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.

GENERAL NOTES – CONTINUED

NPDES GENERAL NOTES:

- 1. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING INDUSTRY ACCEPTED BEST MANAGEMENT PRACTICES (BMPS). THESE BMPS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY SUCH AS GRADING THAT MAY CAUSE SOIL DISTURBANCE. THESE BMPS ARE TO BE MAINTAINED YEAR-ROUND OR UNTIL ALL LOOSE SEDIMENT HAS BEEN STABILIZED.
- 2. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES AND ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND. STOCKPILED MATERIAL SHALL BE NO MORE THAN 8 FEET IN HEIGHT AND SHALL BE COMPLETELY COVERED WITH A SECURE IMPERMEABLE COVER AT THE END OF EACH WORK DAY. ALL STOCKPILES SHALL BE LOCATED AWAY FROM ANY STORM DRAIN INLETS AND AWAY FROM ANY STORM WATER CONVEYANCE STRUCTURES. AT NO TIME SHALL ANY RAW MATERIAL BE STAGED OR STOCKPILED ON CITY STREETS, SIDEWALKS, AND/OR GUTTERS WITHOUT A VALID OBSTRUCTION PERMIT.
- 3. APPROPRIATE BMPS FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, AND ADJOINING PROPERTY BY WIND OR RUNOFF.
- 4. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED ON THE CONSTRUCTION SITE AND SHALL NOT BE DISCHARGED TO RECEIVING WATERS OR TO THE STORM DRAIN SYSTEM.
- 5. CONCRETE WASH OUT WATER SHALL BE CONTAINED IN A WATER-TIGHT DEVICE TO PREVENT CEMENT DEPOSITION ONTO THE GROUND AND RUNOFF INTO STREETS, DRAINAGE FACILITIES, AND RECEIVING WATERS.
- 6. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
- 7. AT THE END OF EACH WORK DAY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN COVERED TRASH OR RECYCLE BINS.
- 8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT STORMWATER DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIALS OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT OR THE STATEWIDE GENERAL CONSTRUCTION STORMWATER PERMIT.
- 9. ALL UNPAVED CONSTRUCTION ENTRANCES AND EXITS SHALL BE PROTECTED USING AN EFFECTIVE COMBINATION OF TRACKING CONTROL BMPS TO MINIMIZE AND/OR ELIMINATE OFF-SITE TRACKING OF SEDIMENT. THESE BMPS SHALL BE MAINTAINED AND INSPECTED DAILY.
- 10. ALL TEMPORARY PORTABLE RESTROOMS MUST HAVE A CATCHMENT PAN AND MUST BE LOCATED AT LEAST 50 FEET AWAY FROM ANY STORM DRAIN INLETS.

POLLUTANTS ARE ANY SUBSTANCES INTRODUCED INTO THE ENVIRONMENT THAT ADVERSELY AFFECTS THE USEFULNESS OF A RESOURCE. POTENTIAL POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO: SEDIMENT; SOLID OR LIQUID CHEMICALS SUCH AS: PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDE, HERBICIDE, FERTILIZERS, WOOD PRESERVATIVES AND ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE, AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE / EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHINGS AND TESTING.

DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED MANNER. A DESIGNATED TEMPORARY AREA ON-SITE SHALL BE PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

- 11. DISCHARGING CONTAMINATED GROUNDWATER, PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES REQUIRES A NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- 12. DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES SHALL NOT BE LADEN WITH SEDIMENT. ALL STORM WATER DISCHARGES MUST BE RELATIVELY FREE OF SEDIMENT.

NOTICE: ALL CONTRACTORS AND CONSTRUCTION PERSONNEL SHALL MEET THE REGULATORY CONSTRUCTION REQUIREMENTS ON THE PROJECT SITE IN COMPLIANCE WITH THE CITY’S GRADING AND EXCAVATION CODE (MUNI CODE 17.05).

GENERAL NOTES – CONTINUED

STREET IMPROVEMENT GENERAL NOTES:

- 1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE “STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION” AND SUPPLEMENTS THERETO (APWA/AGC, “GREEN BOOK”), UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2. ALL WORK SHALL CONFORM TO THESE STANDARD PLANS, THE LANDSCAPE STANDARD PLANS, THE WATER DIVISION STANDARD PLANS AND CITY ORDINANCES.
- 3. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT (714) 536-5431 AT LEAST 48 HOURS PRIOR TO BEGINNING ANY WORK. INSPECTION HOURS ARE BETWEEN 7:00 A.M. AND 4:00 P.M. MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS.
- 4. ALL WORK WITHIN PUBLIC RIGHT OF WAY OR EASEMENTS REQUIRES THAT A PERMIT BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TESTING REQUIRED BY THE CITY.
- 6. THE CONTRACTOR SHALL KEEP A SIGNED SET OF APPROVED PLANS AND A COPY OF THE CONSTRUCTION PERMIT ON THE JOB SITE DURING WORKING OPERATIONS.
- 7. ALL WORK SHALL COMPLY WITH CONDITIONS ESTABLISHED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD.
- 8. WORKING HOURS ARE 7:00 A.M. TO 6:00 P.M. MONDAY THROUGH SATURDAY, EXCLUDING HOLIDAYS. THESE HOURS MAY BE SUBJECT TO FURTHER LIMITATIONS BY TRAFFIC CONTROL REQUIREMENTS.
- 9. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS.
- 10. THE CONTRACTOR SHALL RESTORE OR REPLACE IN KIND ALL EXISTING IMPROVEMENTS DISTURBED DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO STREET STRIPING, LANDSCAPING AND SIGNS.
- 11. ALL WORK PERFORMED SHALL BE GUARANTEED FOR A ONE YEAR PERIOD.
- 12. ONE SACK SLURRY BACKFILL SHALL BE USED FOR ALL TRENCH CROSSINGS OF STREETS AND ALL TRENCHES WITHIN ALLEYS.
- 13. SURVEY BENCHMARKS, MONUMENTS OR ACCESSORIES TO THE SAME (TIE POINTS) SHALL BE PRESERVED, REFERENCED AND/OR REPLACED PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, OF THE STATE OF CALIFORNIA, AS AMENDED BY ASSEMBLY BILL 1414 AND SENATE BILL 1563, OF THE STATE OF CALIFORNIA. EXISTING SURVEY MONUMENTS AND THEIR ACCESSORIES IN DANGER OF BEING DISTURBED SHALL HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SURVEYOR’S OFFICE AND THE LOCAL AGENCY PRIOR TO CONSTRUCTION. IN ADDITION A CORNER RECORD SHALL BE FILED WITH THE ORANGE COUNTY SURVEYOR’S OFFICE AND THE LOCAL AGENCY AFTER CONSTRUCTION IF THE CHARACTER OF THE BENCHMARK, MONUMENT OR ACCESSORY TO THE SAME HAS BEEN AFFECTED.
- 14. SENATE BILL 1563 OF THE STATE OF CALIFORNIA CLARIFIES THE AMBIGUITY OF ASSEMBLY BILL 1414, IN STATING THAT THE RE-SURFACING OF STREETS AND HIGHWAYS RESULTING IN MONUMENTS BEING COVERED BY PAVING MATERIAL INSTEAD OF BEING PRESERVED SHALL BE CONSIDERED A VIOLATION OF THE LAND SURVEYOR’S ACT (SECTIONS 8700 – 8806 OF THE BUSINESS AND PROFESSIONS CODE).
- 15. CITY OF HUNTINGTON BEACH STANDARD PLAN 100, SHEETS 1, 2, 3 AND 4 ARE INCORPORATED BY REFERENCE.

WATER GENERAL NOTES:

- 1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST CITY OF HUNTINGTON BEACH WATER DIVISION STANDARDS.
- 2. THE CITY OF HUNTINGTON BEACH PUBLIC WORKS WATER INSPECTOR MUST BE NOTIFIED 48 HOURS BEFORE START OF WORK AT (714) 536-5431.
- 3. DEVELOPER IS RESPONSIBLE TO COORDINATE WITH CITY OF HUNTINGTON BEACH DEPARTMENT OF BUILDING AND SAFETY FOR THE SIZE OF WATER METER(S) AND/OR SERVICE LATERALS(S) REQUIRED. METER AND SERVICE LATERAL(S) SIZES SHOWN ON THIS PLAN WILL REQUIRE CITY BUILDING AND/OR FIRE DEPARTMENT APPROVAL. DEVELOPER IS RESPONSIBLE FOR COST OF REPLACING UNDERSIZED LATERALS & METERS DUE TO INCORRECT FIXTURE UNIT COUNTS, GALLON PER MINUTE CALCULATIONS, OR LACK OF COORDINATION WITH CITY OF HUNTINGTON BEACH DEPARTMENT OF BUILDING AND SAFETY.
- 4. ALL UNDERGROUND PIPING BETWEEN THE METER AND BACKFLOW PROTECTION DEVICES SHALL BE SLEEVED AND BACKFILLED WITH 2-SACK SLURRY TO 12-INCHES BELOW FINISHED GRADE.
- 5. SCREENING OF BACKFLOW PROTECTION DEVICE SHALL BE APPROVED BY THE CITY PUBLIC WORKS DEPARTMENT AND PLANNING DEPARTMENT.
- 6. CONTRACTOR SHALL NOT TAP EXISTING MAINS WITHOUT A CERTIFIED WATER INSPECTOR PRESENT. PRESSURE TEST TAPPING SLEEVE IN CERTIFIED WATER INSPECTOR’S PRESENCE BEFORE TAPPING EXISTING MAIN.
- 7. CITY OF HUNTINGTON BEACH WORK PRIOR TO ACCEPTANCE WILL BE LIMITED TO PLAN REVIEW AND CONSTRUCTION INSPECTION. ANY ADDITIONAL WORK BY THE CITY FORCES DEEMED NECESSARY BY CERTIFIED WATER INSPECTORS TO ENSURE COMPLIANCE WITH CITY STANDARDS WILL BE BACKCHARGED TO THE DEVELOPER OR CONTRACTOR. FINAL ACCEPTANCE WILL NOT OCCUR UNTIL REIMBURSEMENT IS RECEIVED.

NOTE: ANY WATER SERVICE WITH A FIXTURE EXCEEDING 20 FEET ABOVE THE TOP OF LOWEST CURB ELEVATION SHALL HAVE BACKFLOW PROTECTION PER CITY OF H.B. STD. PLAN 609A. COMMERCIAL AND INDUSTRIAL REQUIRE PROTECTION ALL THE TIME.

REVISIONS

NUMBER	DATE	INITIALS	DESCRIPTION

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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

RESIDENT PROFESSIONAL ENGINEER
JUDITH KADIYALA
No. C73472

CIVIL
STATE OF CALIFORNIA

LEE+RO

WATER INFRASTRUCTURE ENGINEERS

1199 S. FULLERTON RD.
CITY OF INDUSTRY, CA 91748
TEL: (626) 912-3391
FAX: (626) 912-2015

SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT

APPROVED BY:

THOMAS M. DAWES, DISTRICT ENGINEER, ROE 18424

DATE

BROADWAY PUMP STATION
BYPASS SEWER

GENERAL NOTES

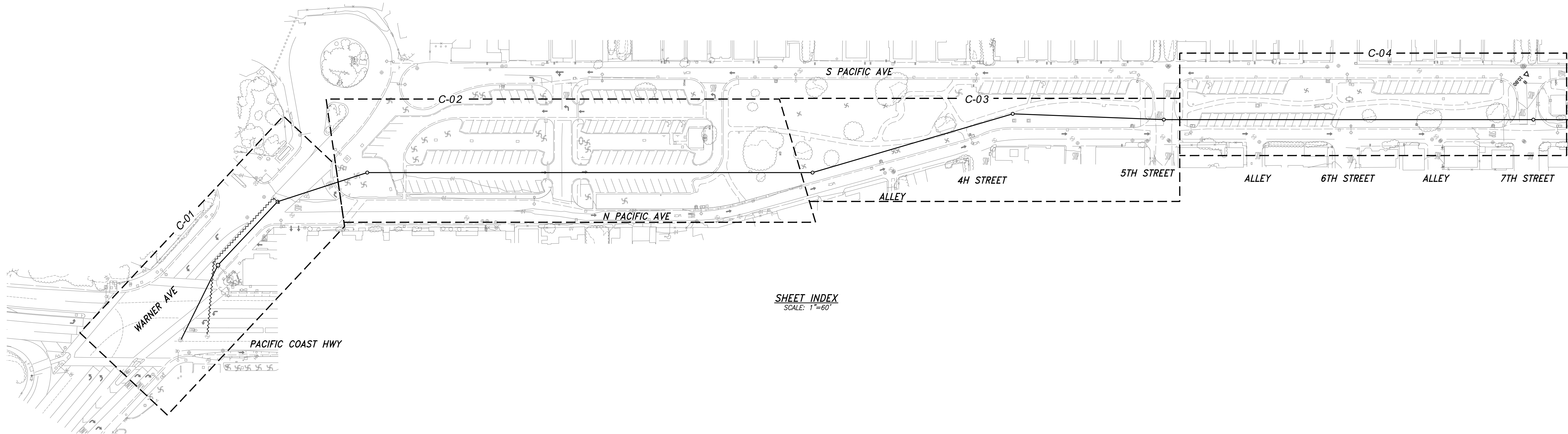
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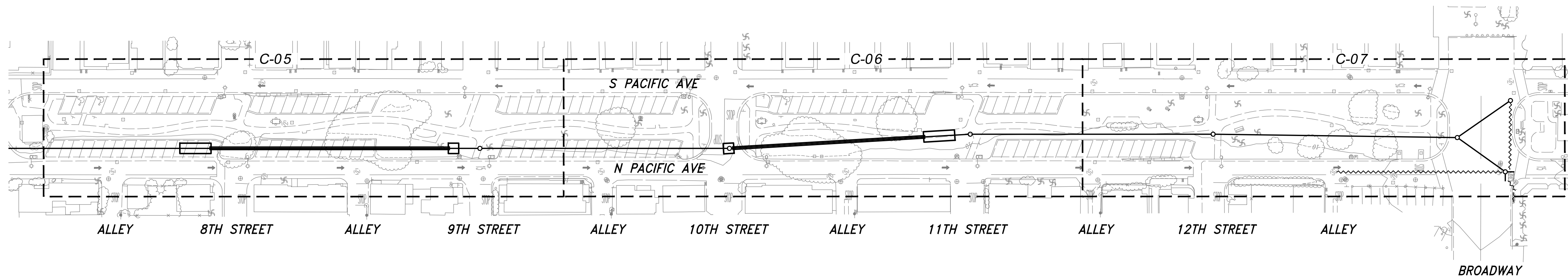
SHEET 3 OF 15

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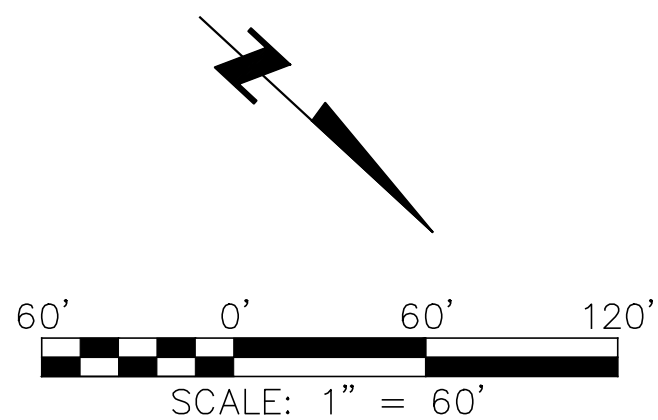
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SHEET INDEX
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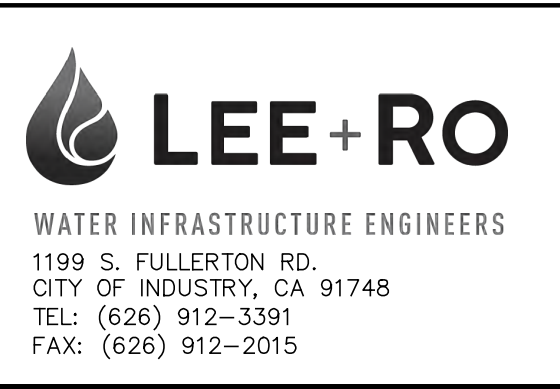


SHEET INDEX
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REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:	AS SHOWN
DESIGNED:	R. BACHUYALA
DRAWN:	R. BACHUYALA
CHECKED:	M. KADIYALA



SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

BROADWAY PUMP STATION
BYPASS SEWER

SHEET INDEX

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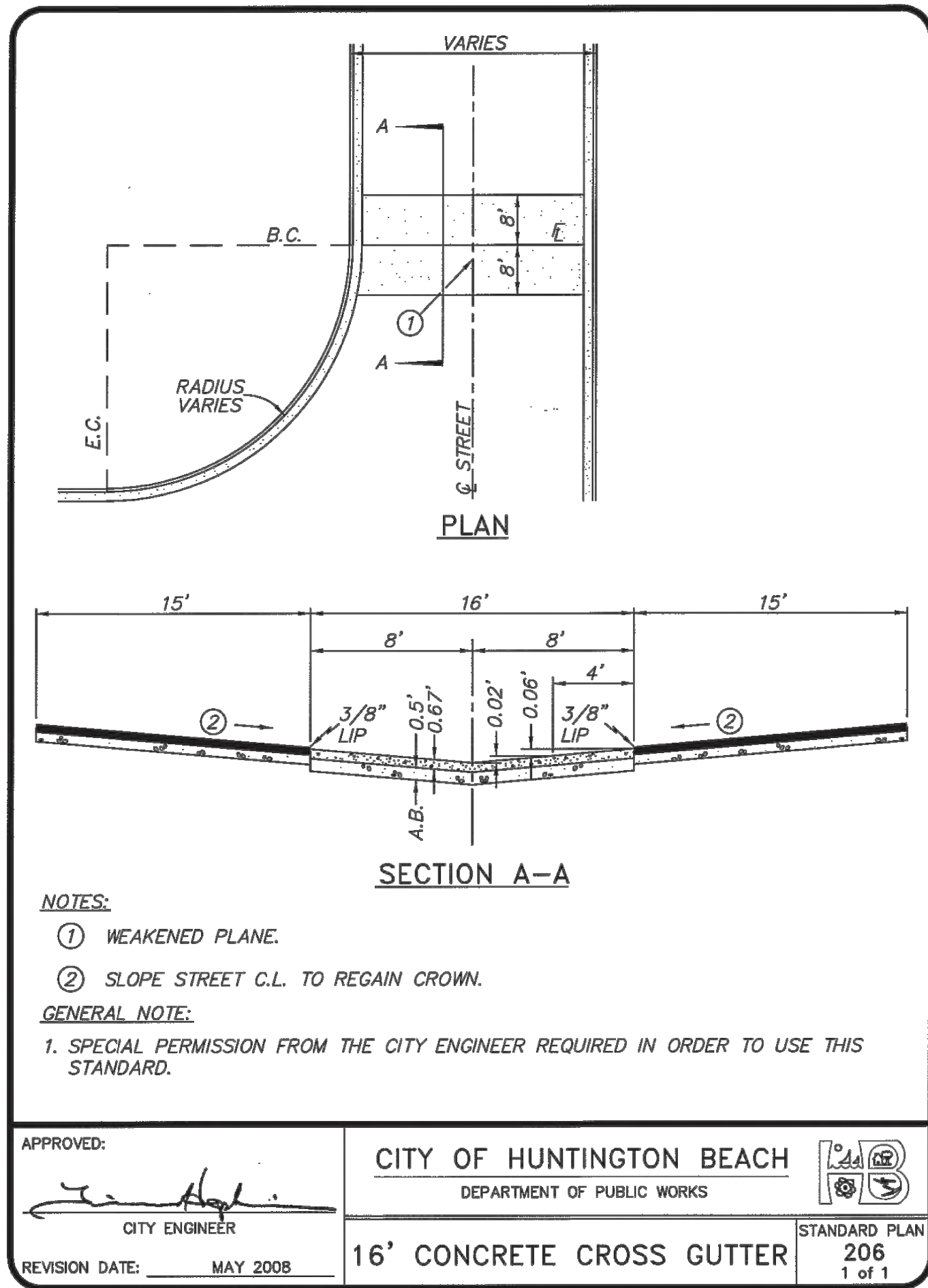
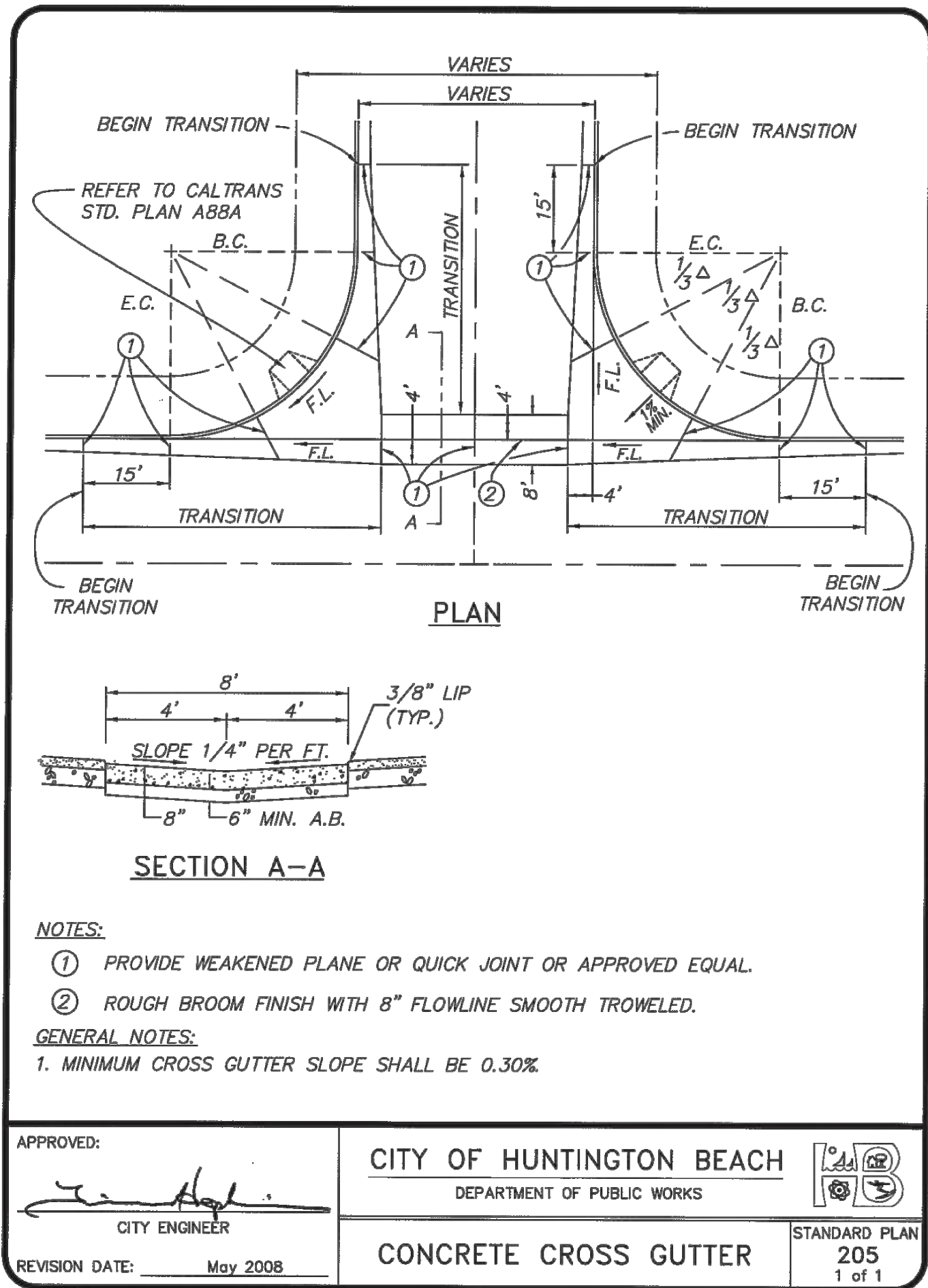
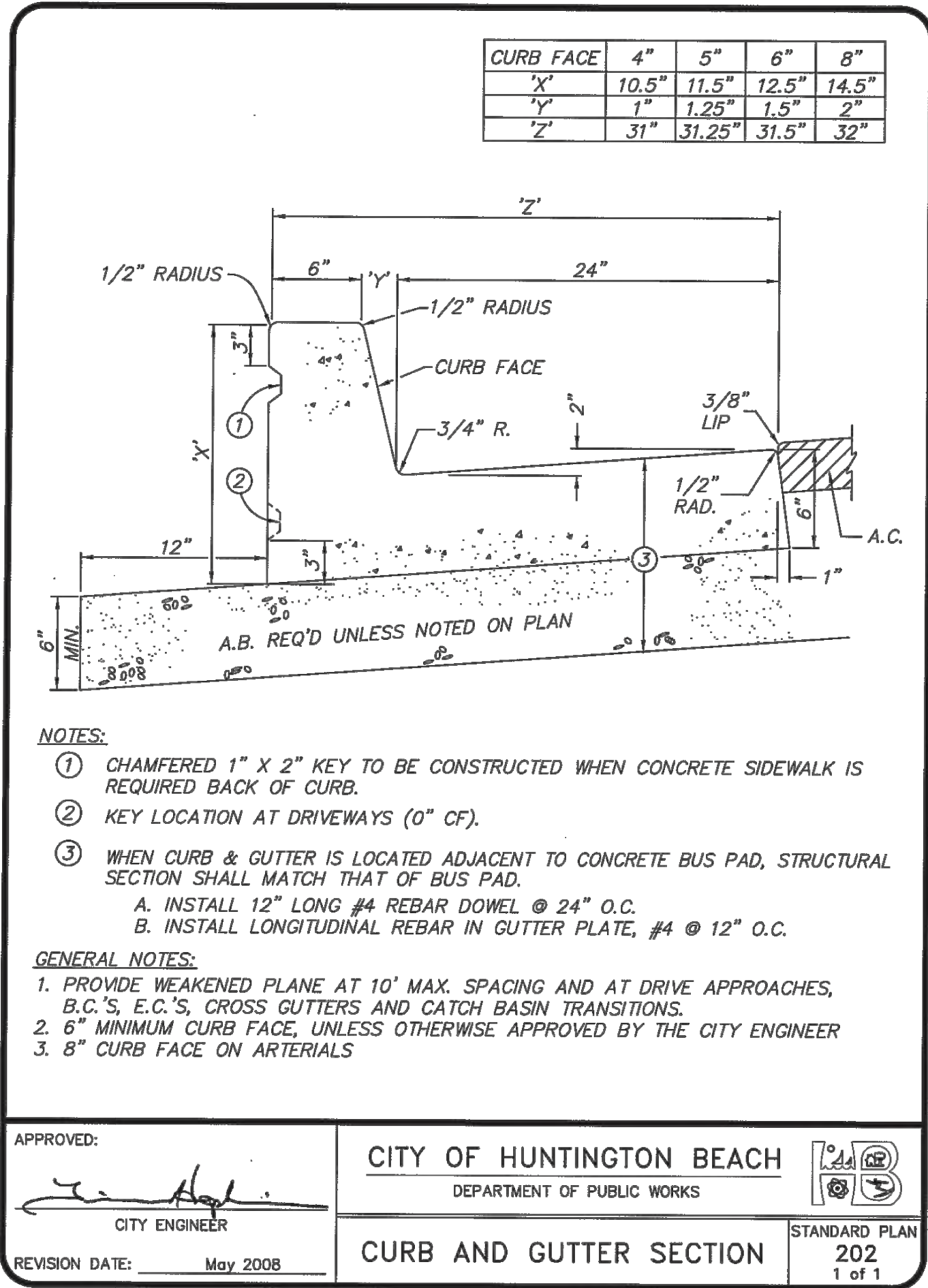
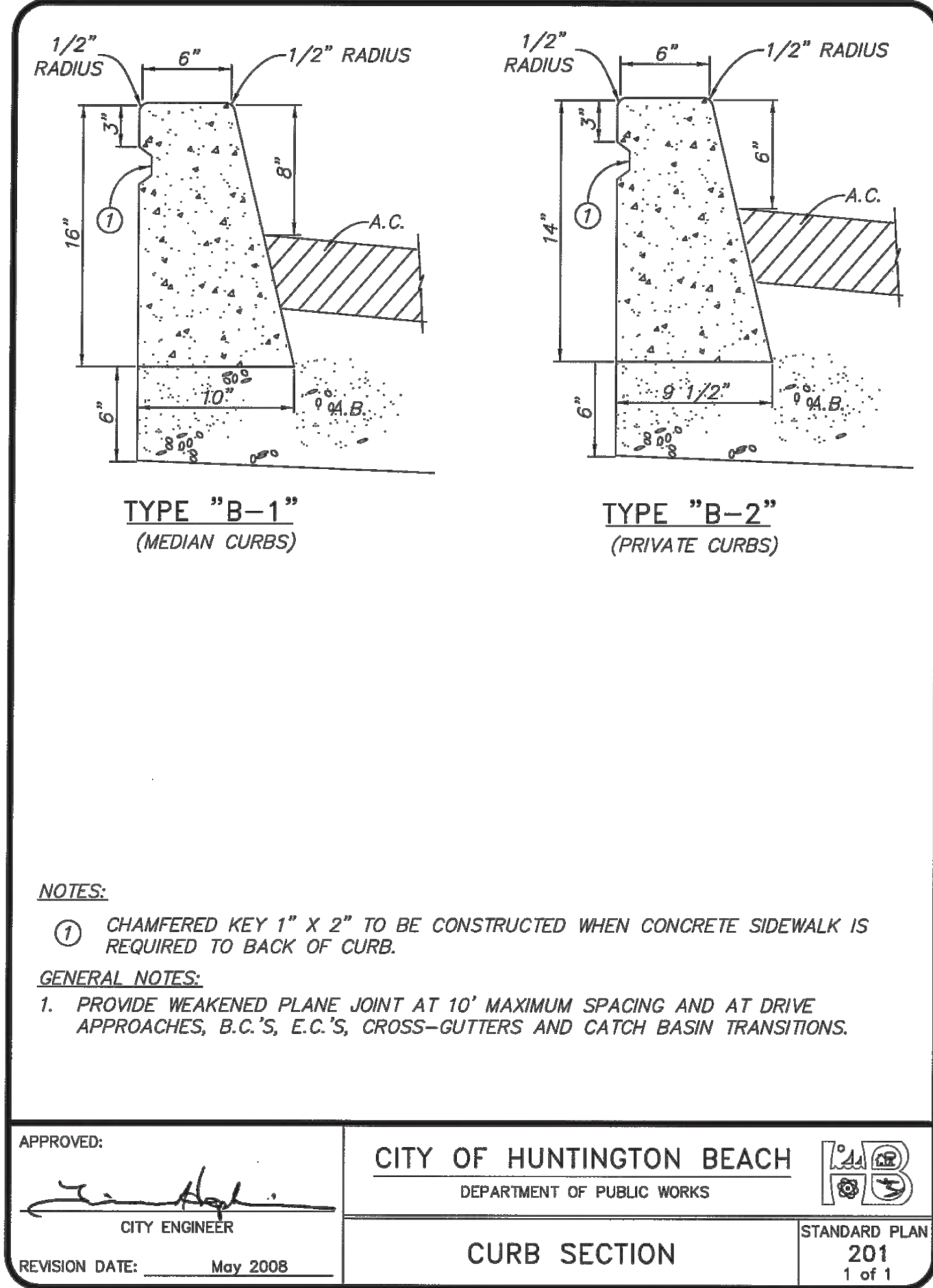
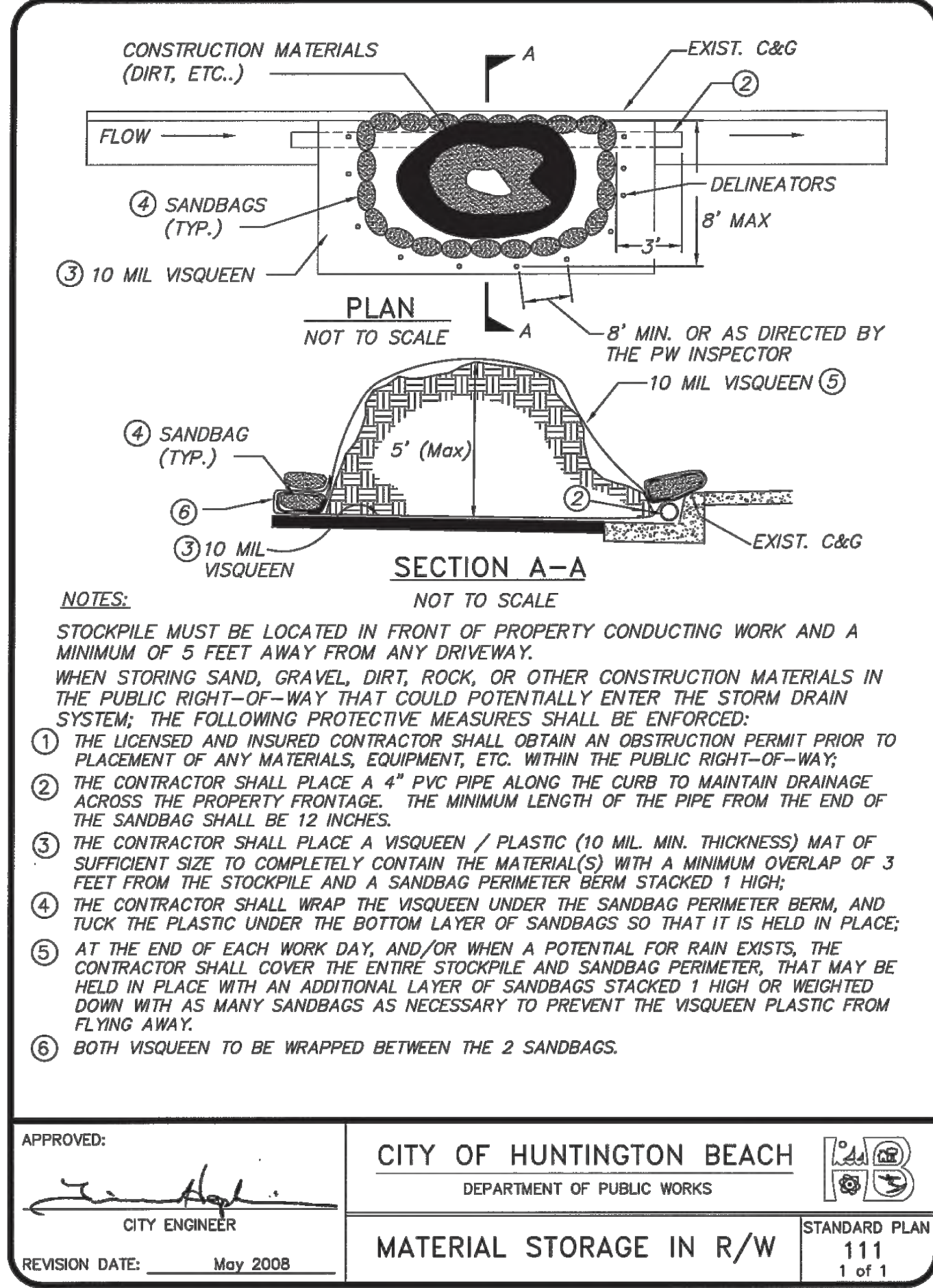
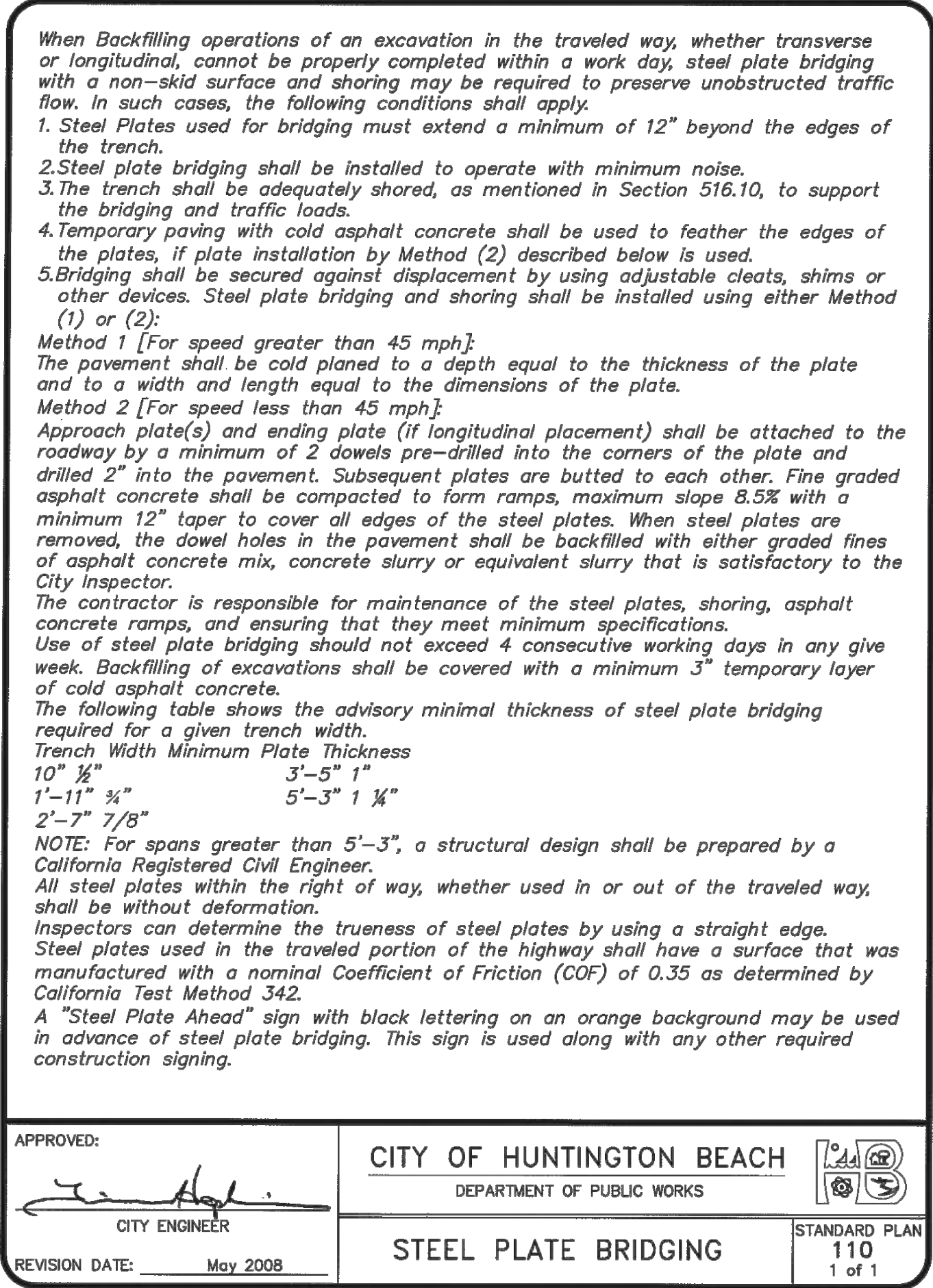
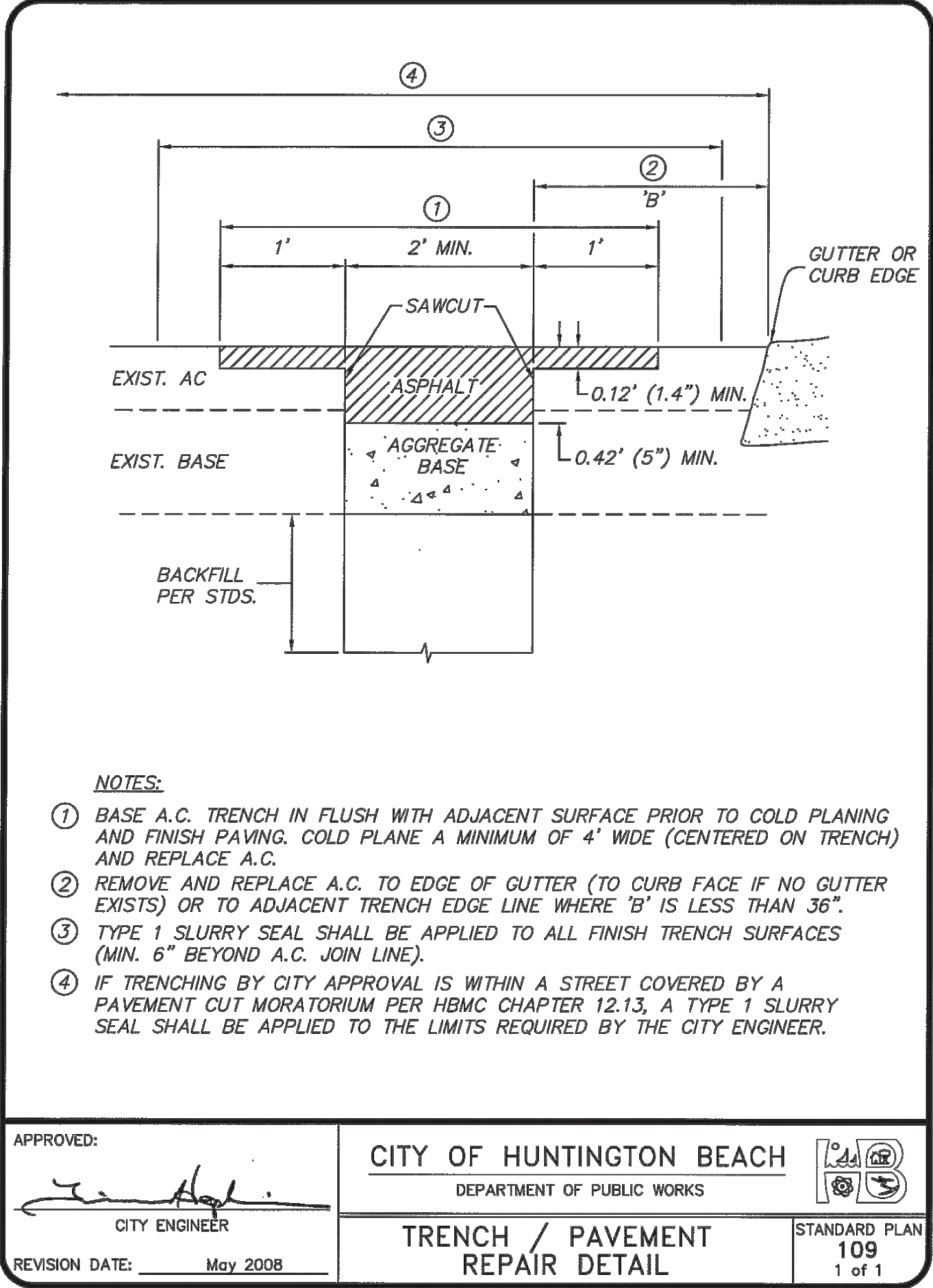
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SHEET 4 OF 15


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NUMBER	DATE	INITIALS	DESCRIPTION	APPROVED BY:									
				DESIGNED: R. BACHUYALA					THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424		DETAIL SHEET	SHEET 5 OF 15	
				DRAWN: M. KADIYALA					DATE				
				CHECKED:									

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REGISTERED PROFESSIONAL ENGINEER
No. C73472
STATE OF CALIFORNIA



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SUNSET BEACH SANITARY DISTRICT

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Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT

APPROVED BY:

THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424

DATE

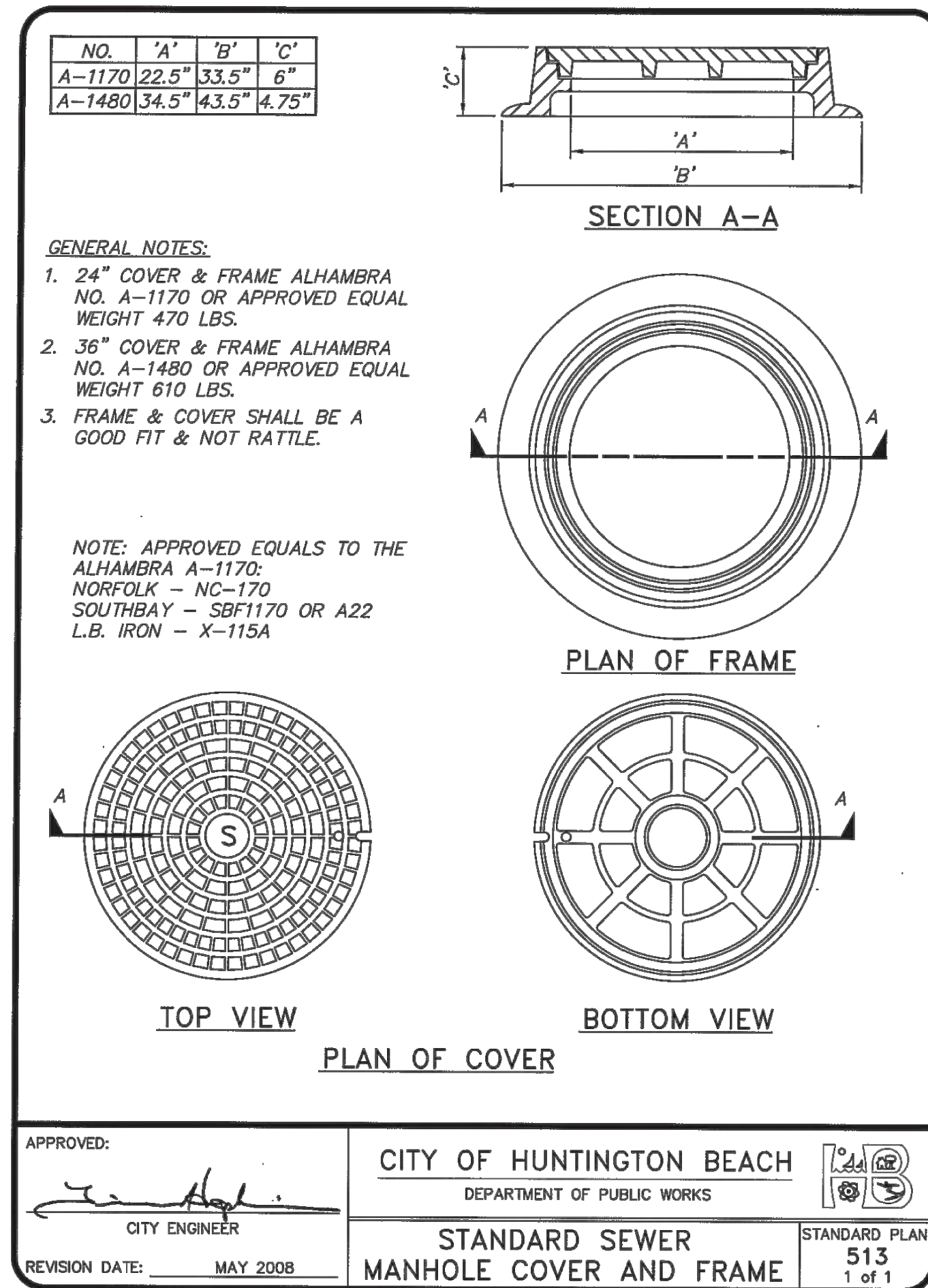
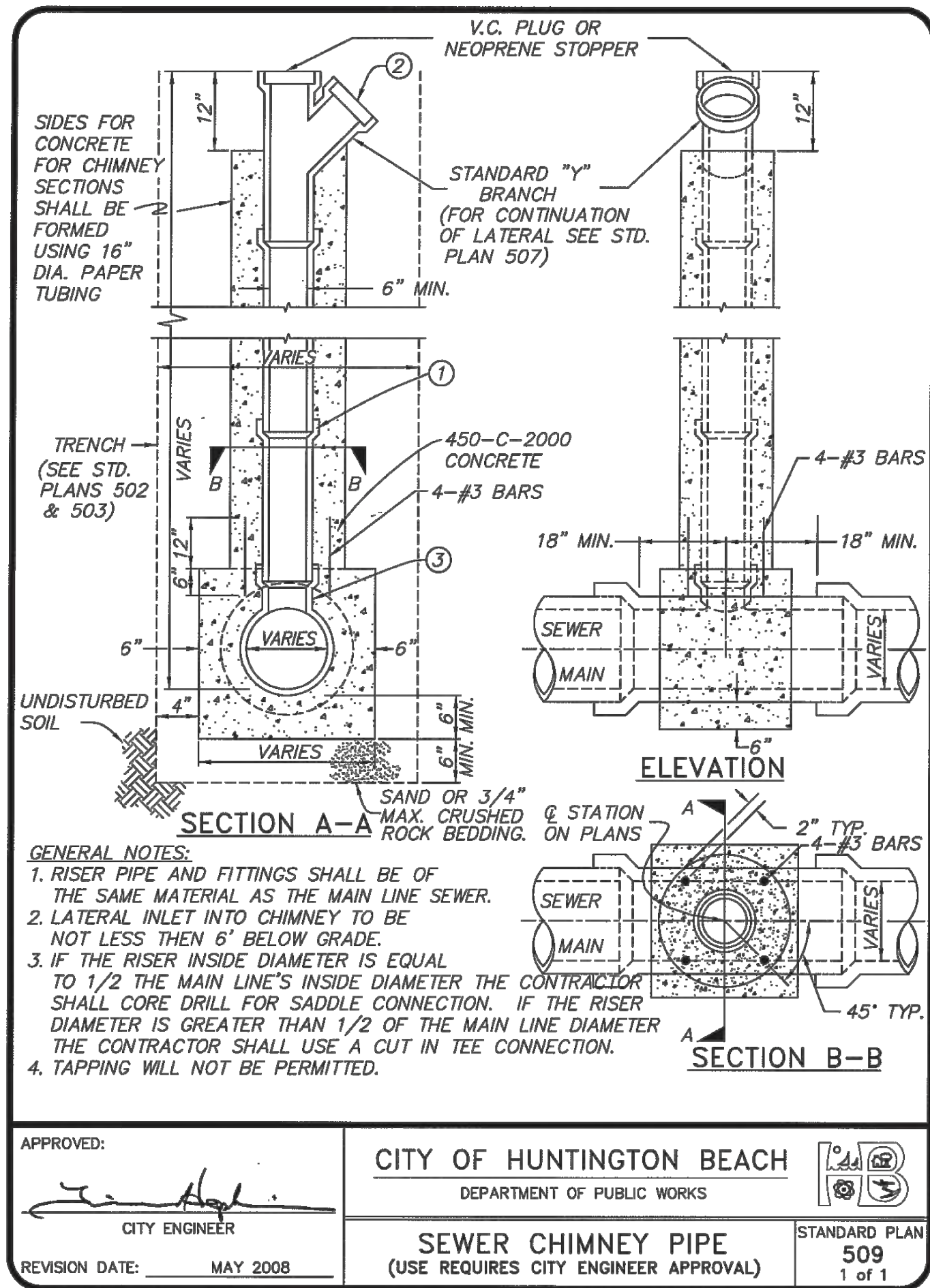
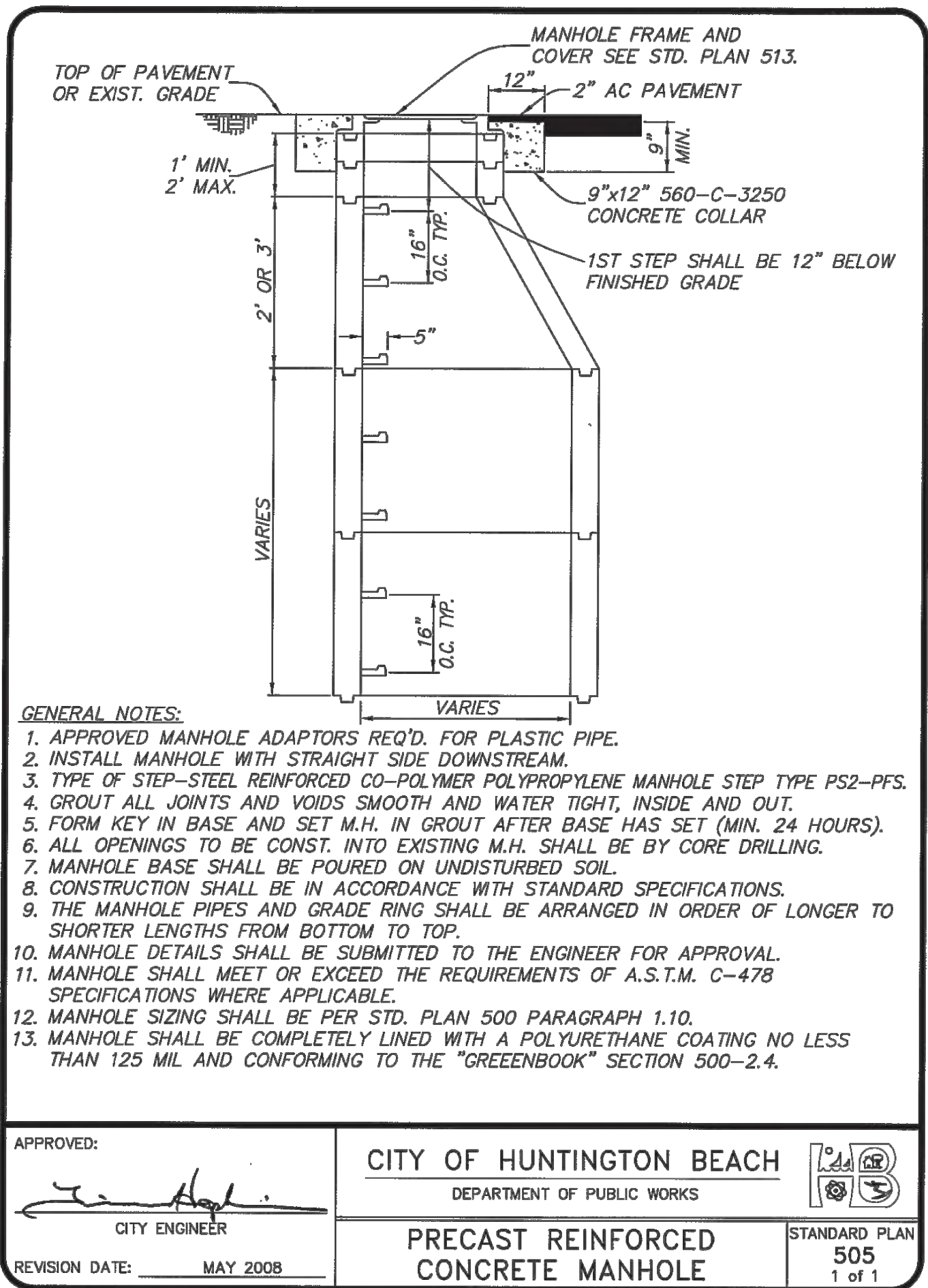
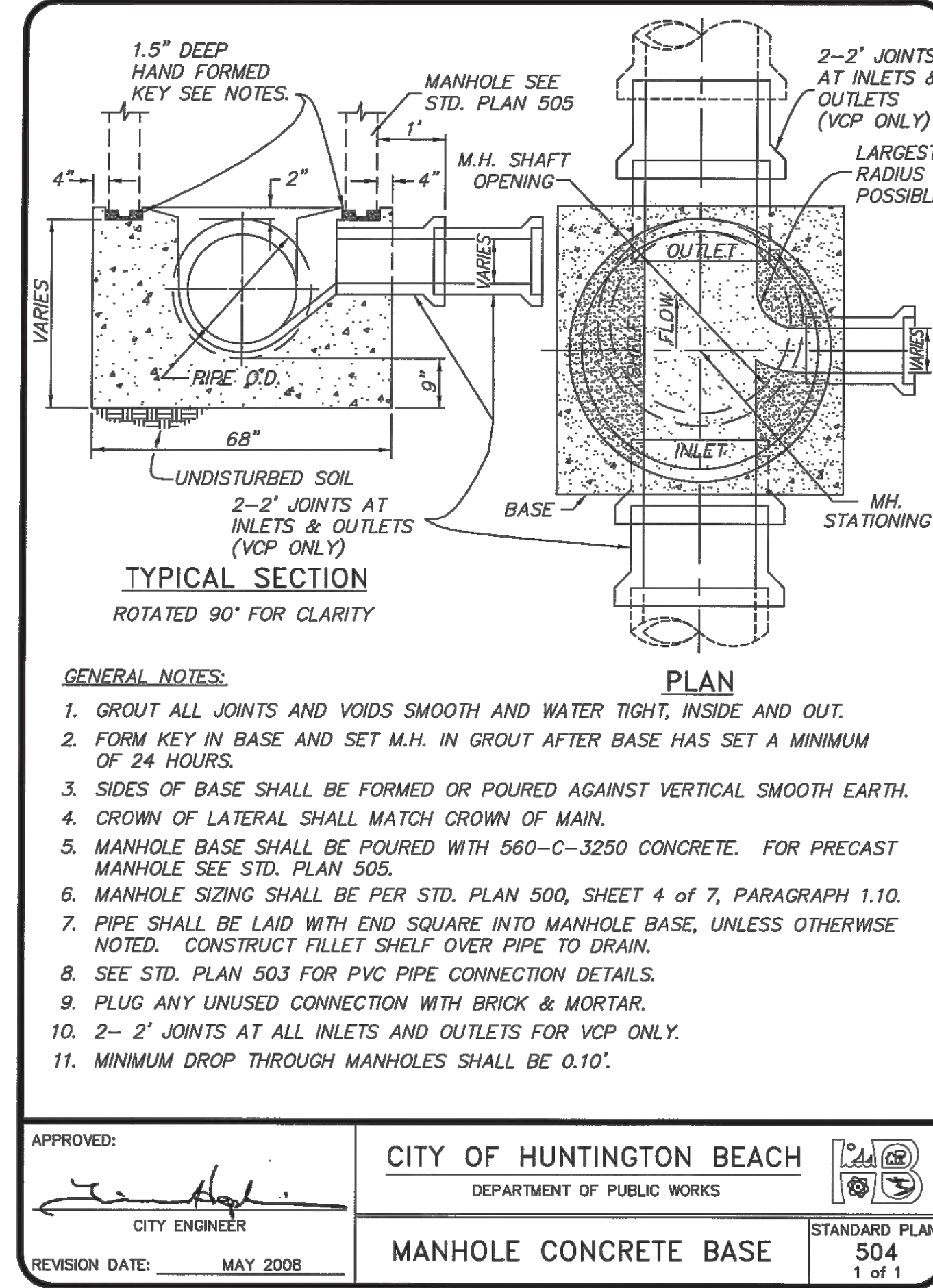
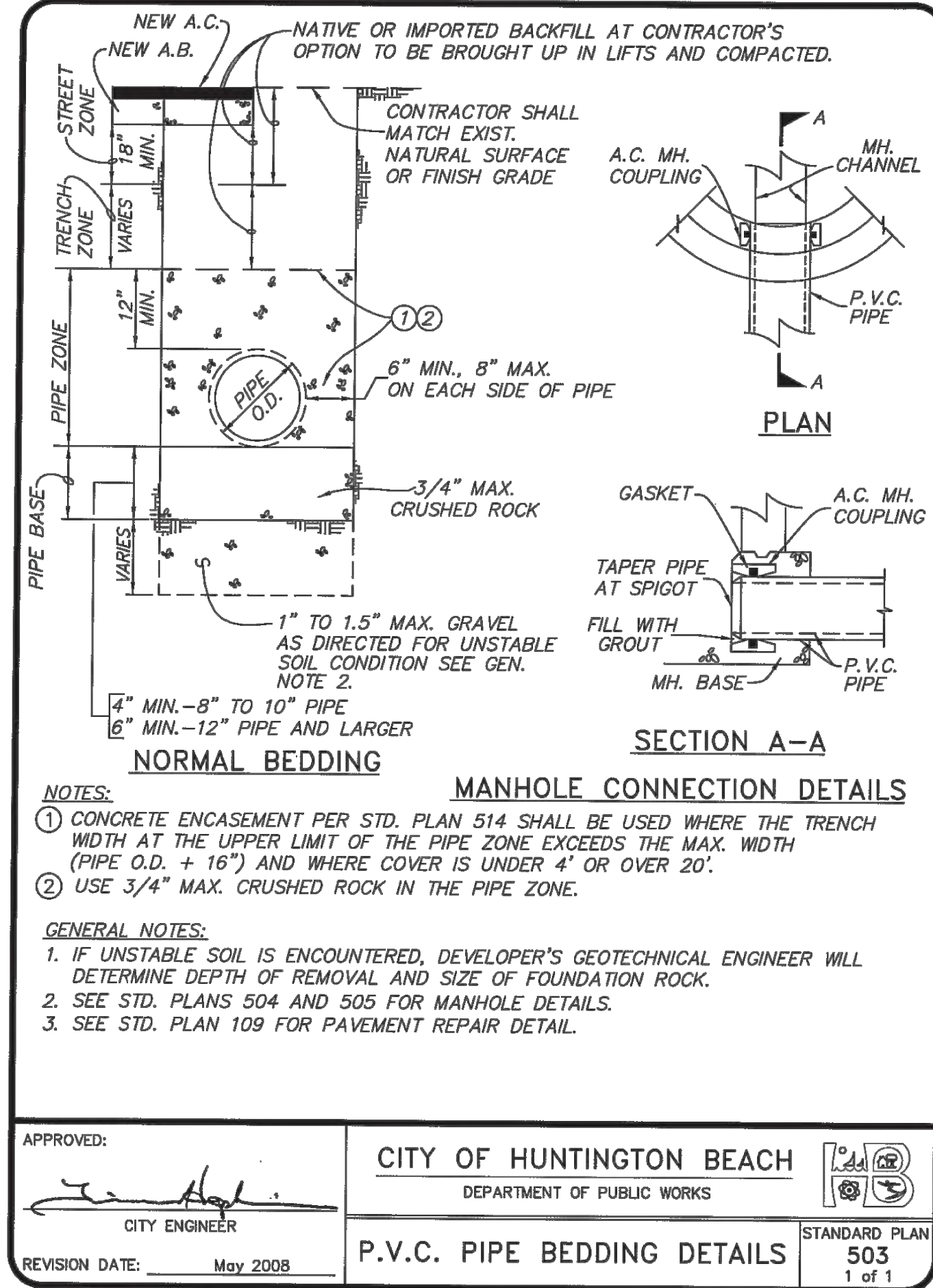
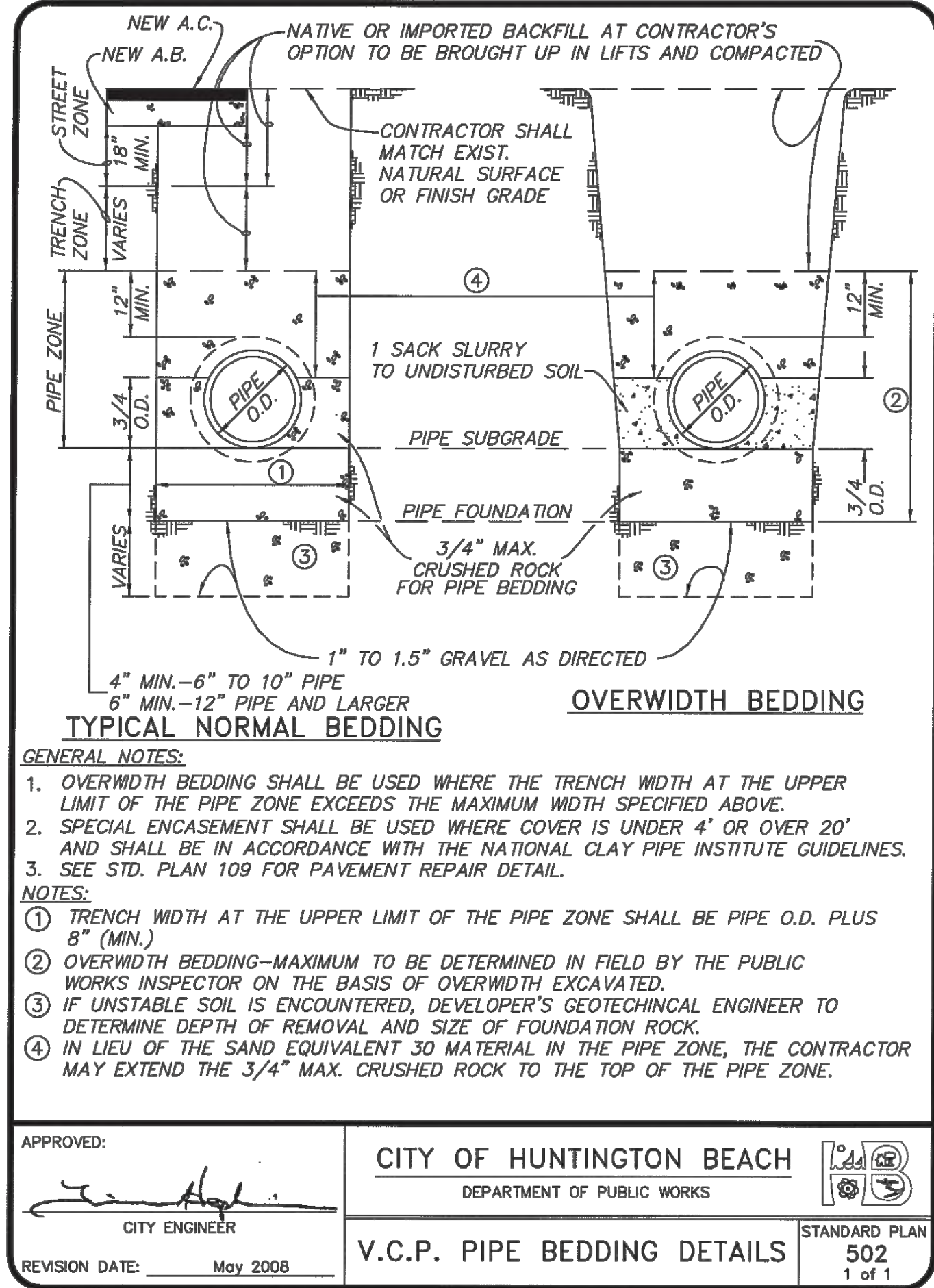
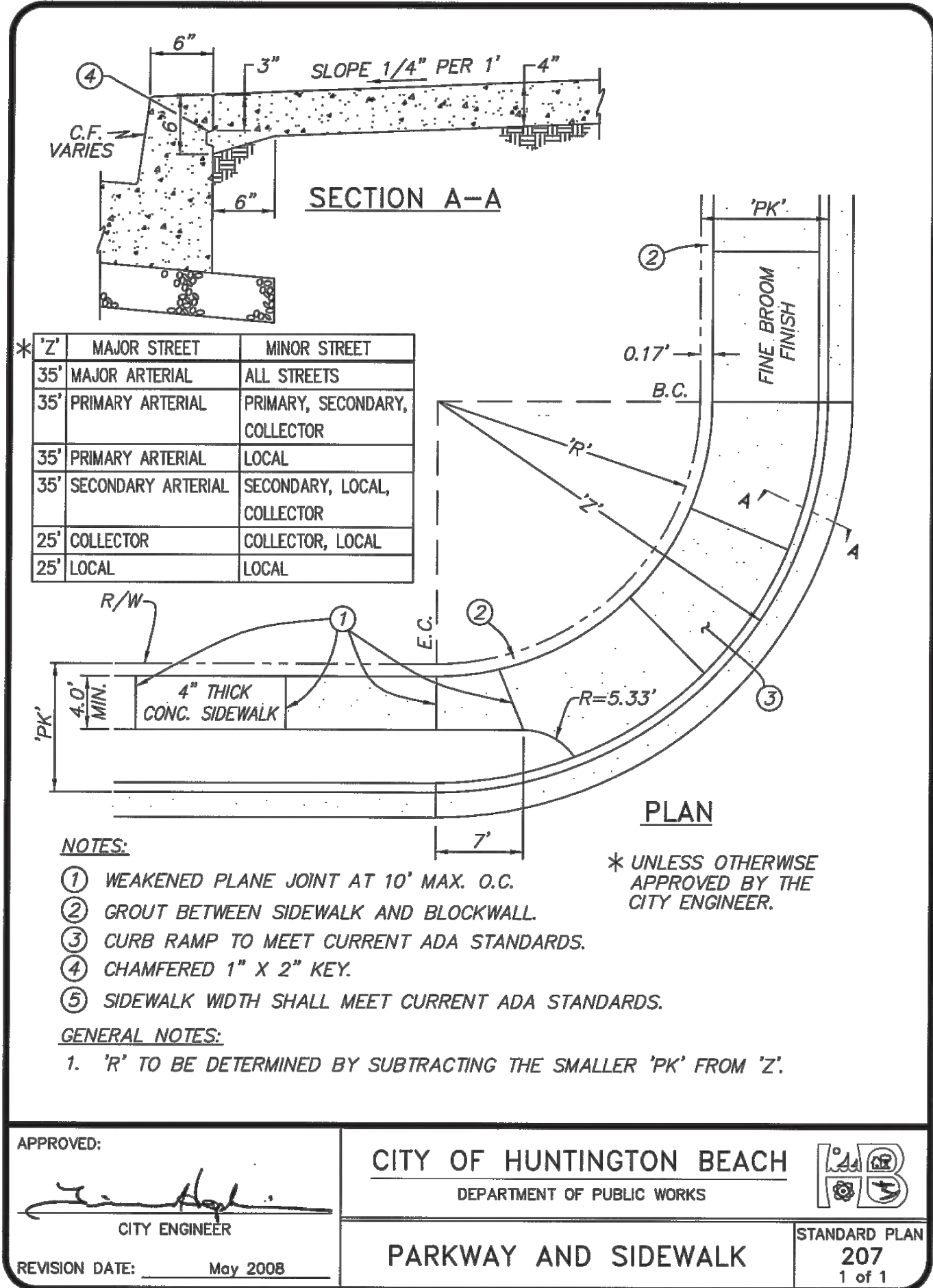
BROADWAY PUMP STATION
BYPASS SEWER

STANDARD DETAILS 1

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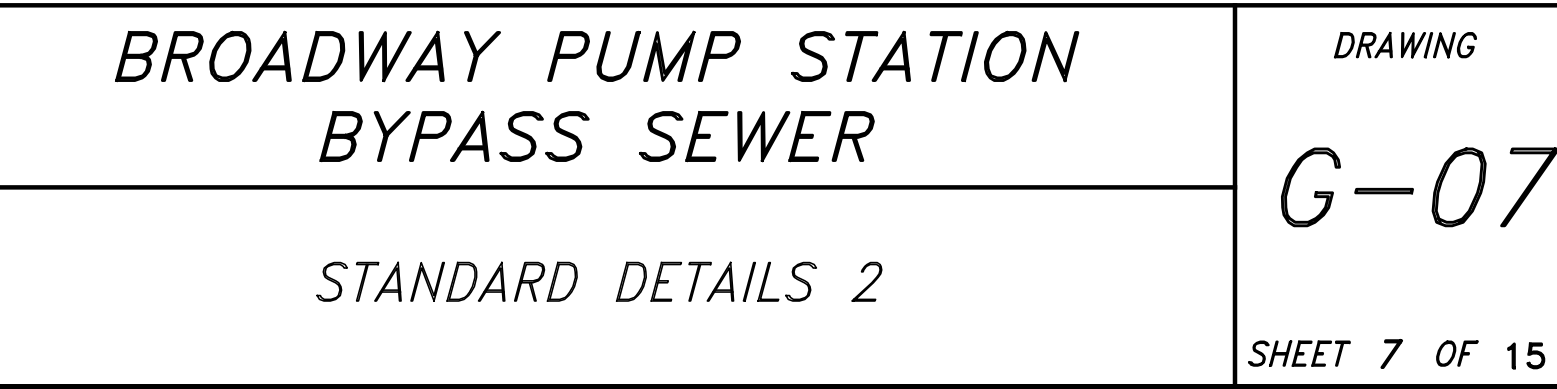
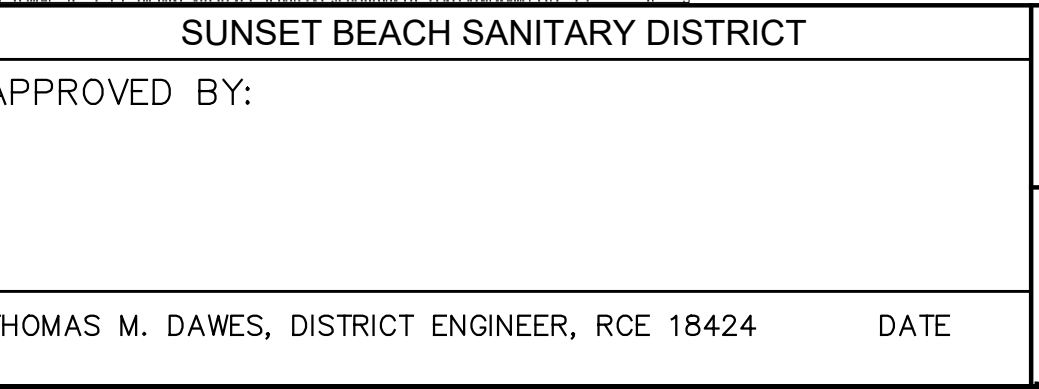
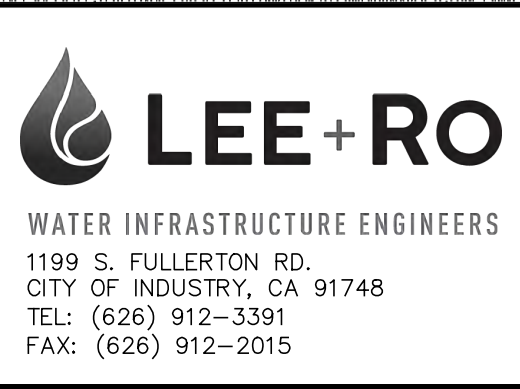
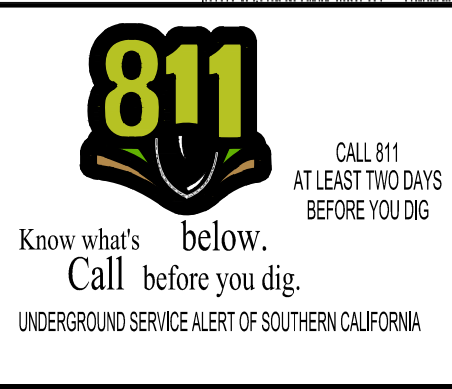
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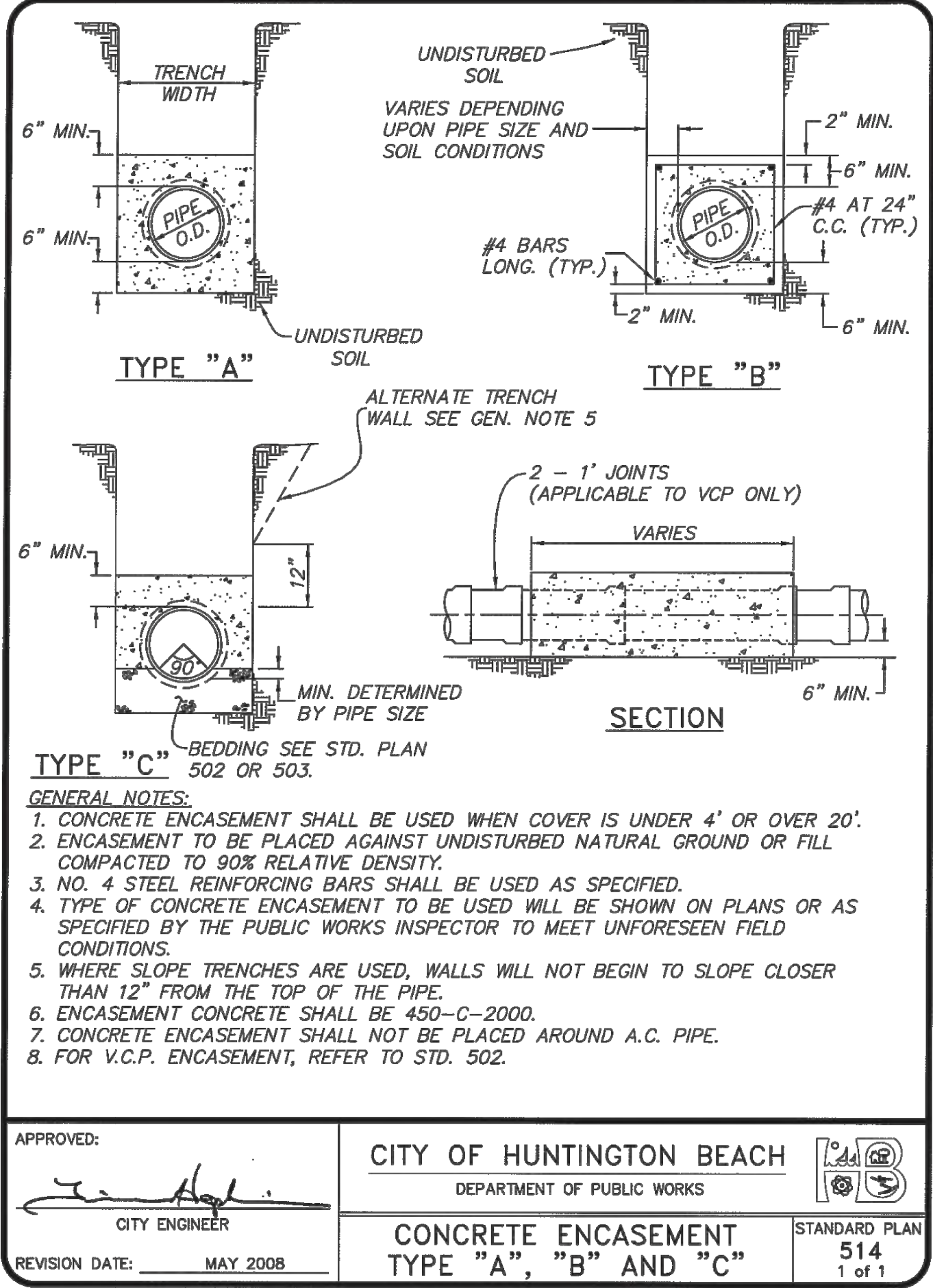


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REVISIONS				SCALE:	AS SHOWN
NUMBER	DATE	INITIALS	DESCRIPTION		



J:\PROJ\1226 Broadway PS Bypass Sewer\4DWG\Current Submittal\01-GEN\1226-G-06-STANDARDS.dwg Jun 29, 2022 - 11:17am



APPROVED:	CITY OF HUNTINGTON BEACH	
	DEPARTMENT OF PUBLIC WORKS	
REVISION DATE: MAY 2008	CONCRETE ENCASEMENT TYPE "A", "B" AND "C"	STANDARD PLAN 514 1 of 1

REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:	AS SHOWN
DESIGNED:	R. BACHUYALA
DRAWN:	M. KADIYALA
CHECKED:	

CALL 811
AT LEAST TWO DAYS
BEFORE YOU DIG

Know what's
below.
Call before you dig.

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



LEE+RO

WATER INFRASTRUCTURE ENGINEERS

1199 S. FULLERTON RD.
CITY OF INDUSTRY, CA 91748
TEL: (626) 912-3391
FAX: (626) 912-2015

SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

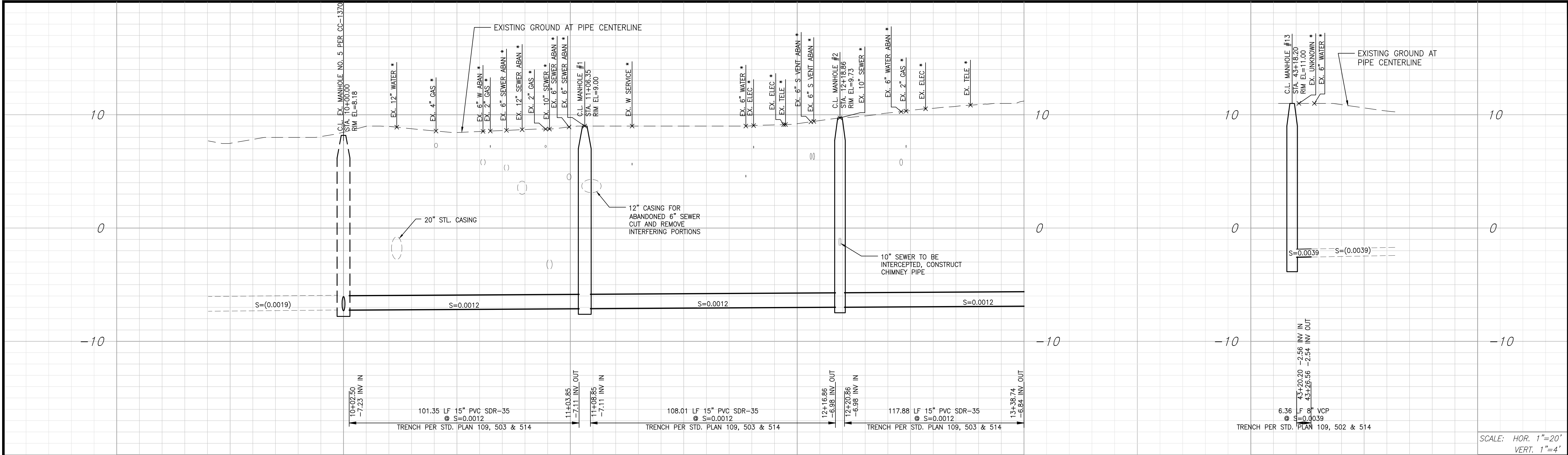
BROADWAY PUMP STATION
BYPASS SEWER

STANDARD DETAILS 3

DRAWING

G-08

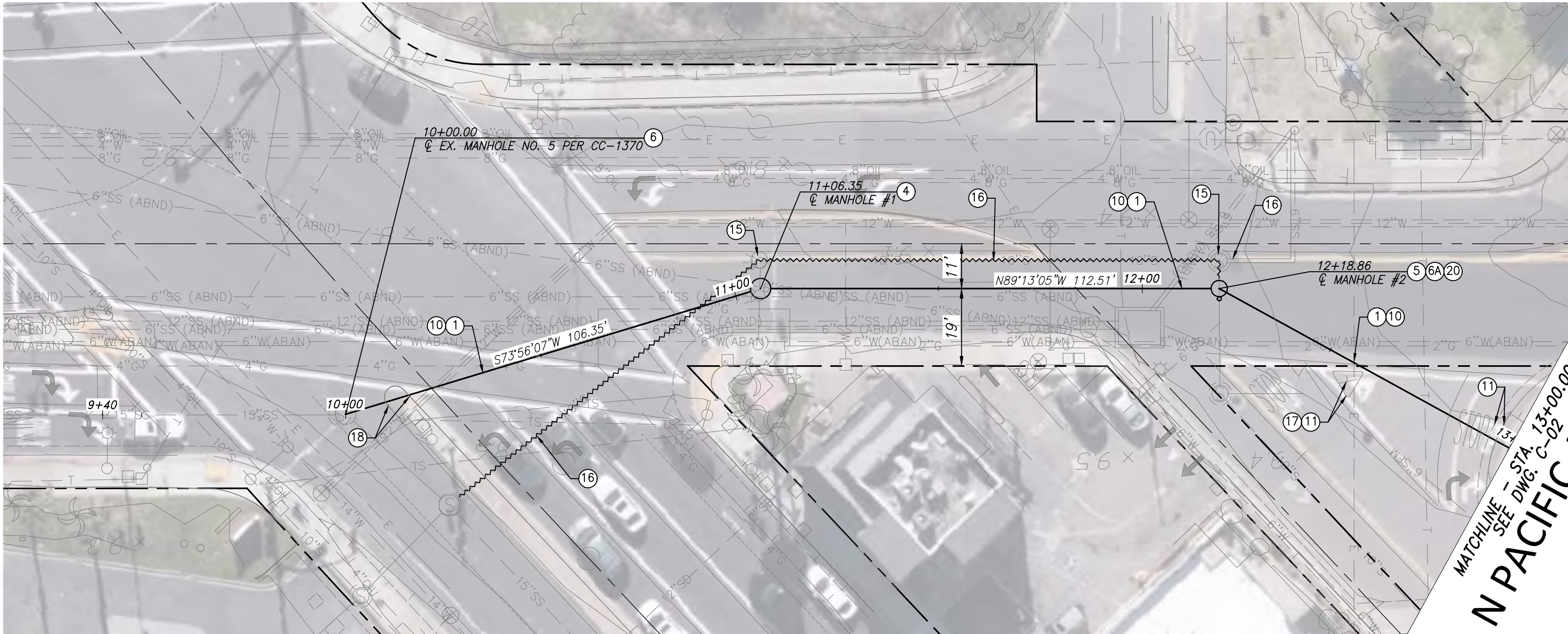
SHEET 8 OF 15



9+00 10+00 11+00 12+00 13+00 43+00 44+00

LATERAL "B"
SEE SHEET C-07 FOR PLAN VIEW

SCALE: HOR. 1"=20'
VERT. 1"=4'

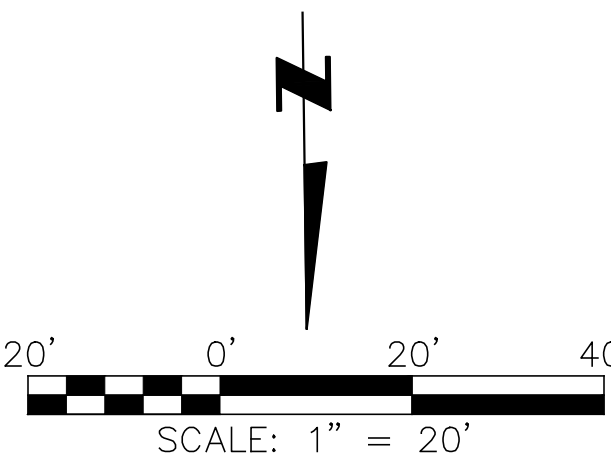


PACIFIC COAST HWAY

N PACIFIC AVE
MATCHLINE - STA. 13+00.00
SEE DWG. C-02

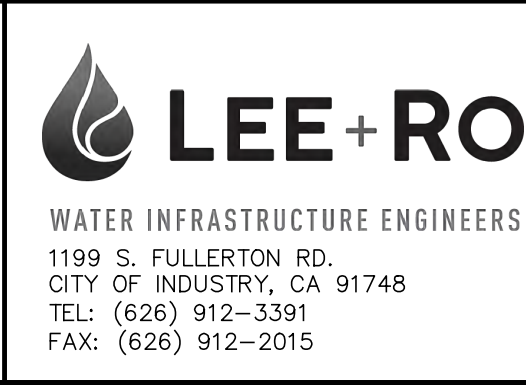
CONSTRUCTION NOTES:

1. INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
4. INSTALL 60-INCH DIA LINED PRECAST MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
5. INSTALL 48-INCH DIA LINED PRECAST MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
6. MODIFY MANHOLE PER DETAIL X ON SHEET X
- 6A. INSTALL MANHOLE PER DETAIL X ON SHEET X
10. REMOVE AND REPLACE AC PAVEMENT PER MODIFIED HB STD PLAN 109
11. REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
15. REMOVE EXISTING MANHOLE
16. CUT INTERFERING PIPE, ABANDONED REMAINING PIPE (FILL WITH CDF)
17. REMOVE AND REPLACE EXISTING SIGN IN KIND
18. REMOVE AND REPLACE EXISTING CURB PER HB STD PLAN 201
20. INSTALL CHIMNEY PIPE PER HB STD PLAN 509



REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:	AS SHOWN
R. BACHUYALA	DESIGNED:
R. BACHUYALA	DRAWN:
M. KADIYALA	CHECKED:



SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

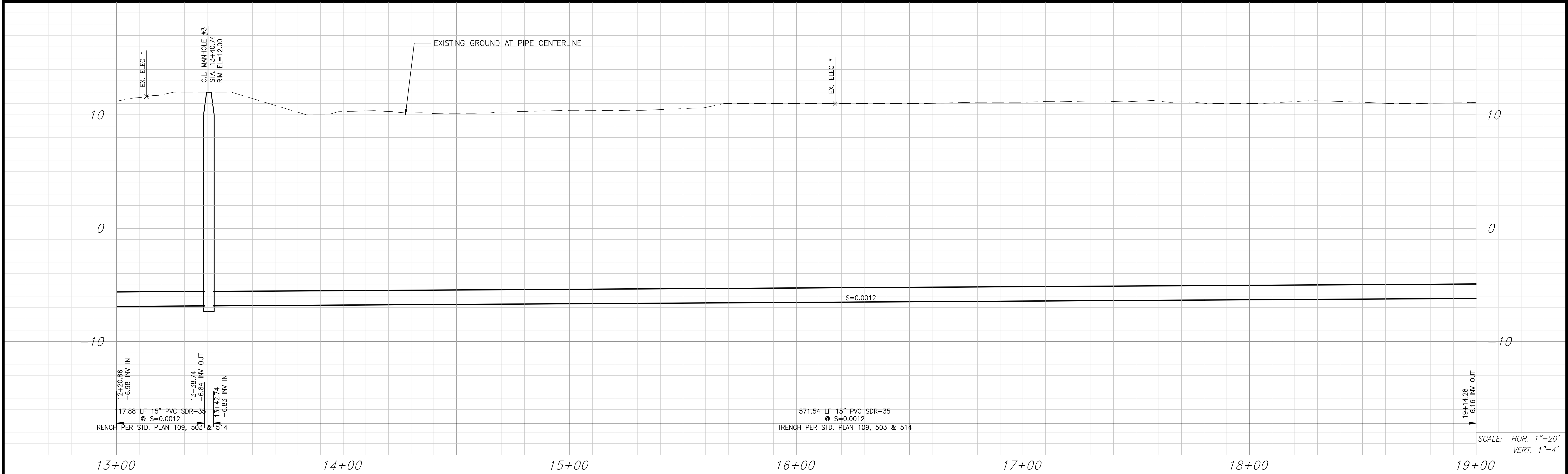
**BROADWAY PUMP STATION
BYPASS SEWER**

SEWER PLAN AND PROFILE
STA 10+00.00 TO STA 13+00.00

DRAWING

C-01

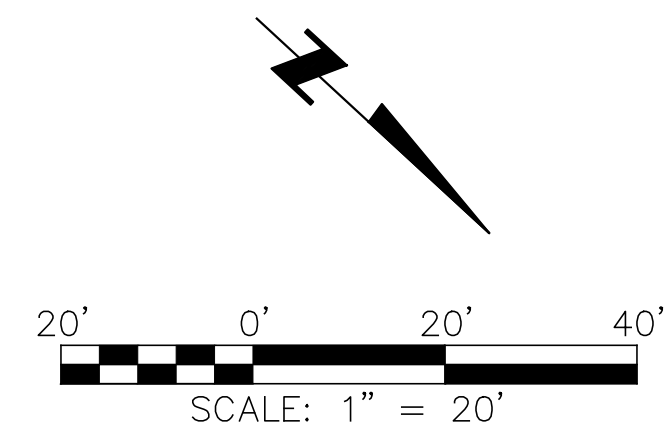
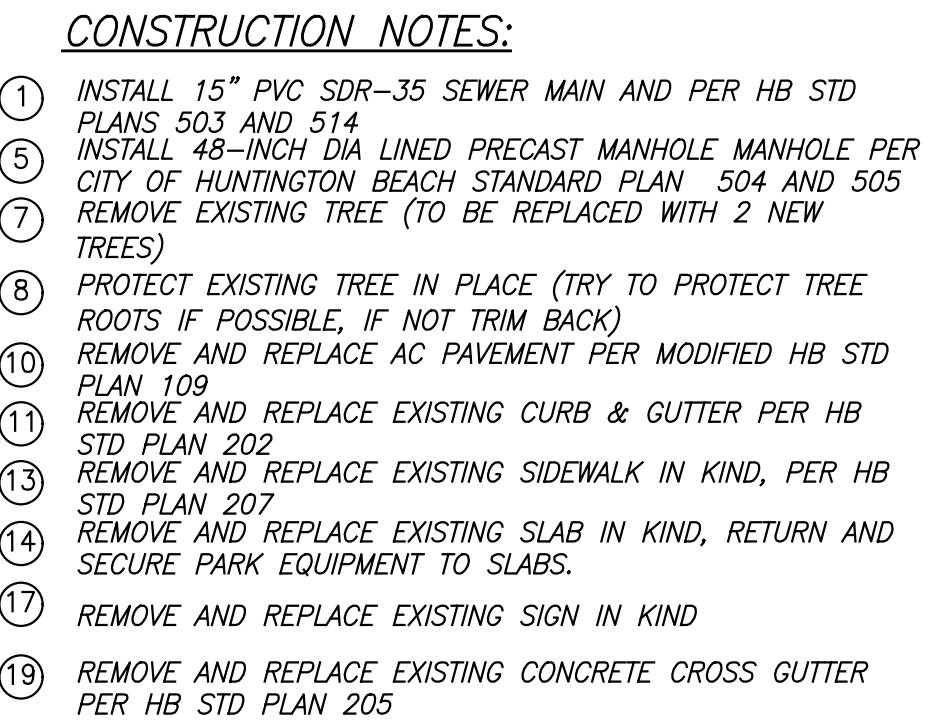
SHEET 9 OF 15



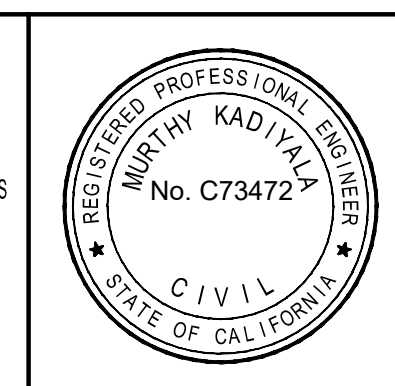
CONSTRUCTION NOTES:

1. INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
2. INSTALL 48-INCH DIA LINED PRECAST MANHOLE MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
3. REMOVE EXISTING TREE (TO BE REPLACED WITH 2 NEW TREES)
4. PROTECT EXISTING TREE IN PLACE (TRY TO PROTECT TREE ROOTS IF POSSIBLE, IF NOT TRIM BACK)
5. REMOVE AND REPLACE AC PAVEMENT PER MODIFIED HB STD PLAN 109
6. REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
7. REMOVE AND REPLACE EXISTING SIDEWALK IN KIND, PER HB STD PLAN 207
8. REMOVE AND REPLACE EXISTING SLAB IN KIND, RETURN AND SECURE PARK EQUIPMENT TO SLABS
9. CUT INTERFERING PIPE, ABANDONED REMAINING PIPE (FILL WITH CDF)
10. REMOVE AND REPLACE EXISTING SIGN IN KIND
11. REMOVE AND REPLACE 4' CONCRETE CROSS GUTTER PER DETAIL X ON SHEET X
12. REMOVE AND REPLACE EXISTING STEEL ONE WAY TRAFFIC BARRIER WITH NEW ONE WAY TRAFFIC BARRIER BY ROAD SHARK OR APPROVED EQUAL

REVISIONS				SCALE: AS SHOWN		811 Know what's below. Call before you dig. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		LEE+RO WATER INFRASTRUCTURE ENGINEERS 1199 S. FULLERTON RD. CITY OF INDUSTRY, CA 91748 TEL: (626) 912-3391 FAX: (626) 912-2015		SUNSET BEACH SANITARY DISTRICT P.O. BOX 1185 SUNSET BEACH, CA 90742-1185 Phone: (562) 493-9932		SUNSET BEACH SANITARY DISTRICT APPROVED BY: THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424 DATE		BROADWAY PUMP STATION BYPASS SEWER SEWER PLAN AND PROFILE STA 13+00.00 TO STA 19+00.00		DRAWING C-02 SHEET 10 OF 15	
NUMBER	DATE	INITIALS	DESCRIPTION	R. BACHUYALA	DESIGNED:	R. BACHUYALA	DRAWN:	M. KADIYALA	CHECKED:								



SCALE:	AS SHOWN
	R. BACHUVALA
	DESIGNED:
	R. BACHUVALA
	DRAWN:
	M. KADIYALA
	CHECKED:



BROADWAY PUMP STATION BYPASS SEWER

SEWER PLAN AND PROFILE STA 19+00.00 TO STA 24+00.00

DRAWING

C-03

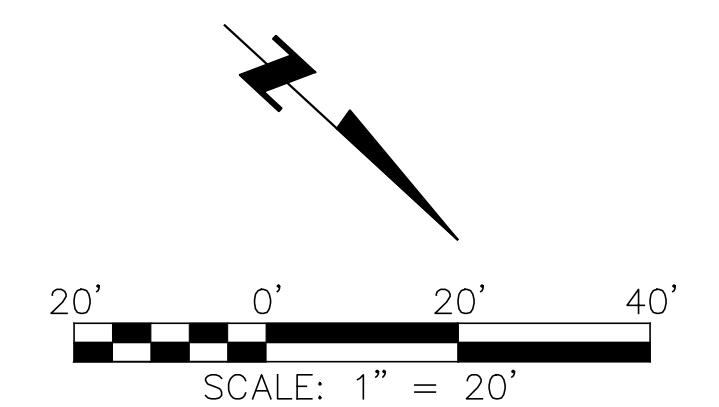
SHEET 11 OF 15



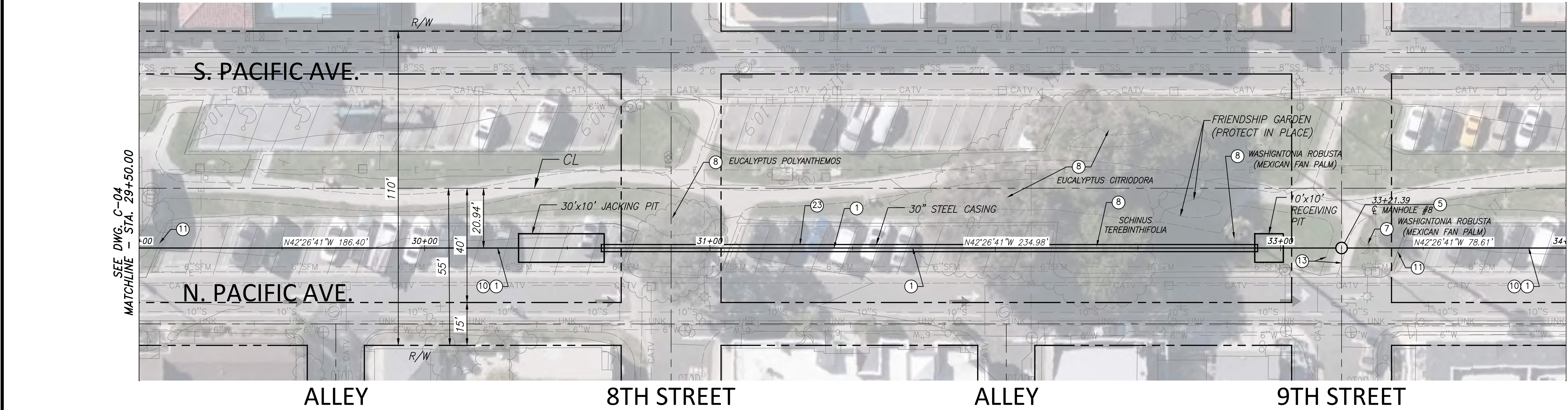
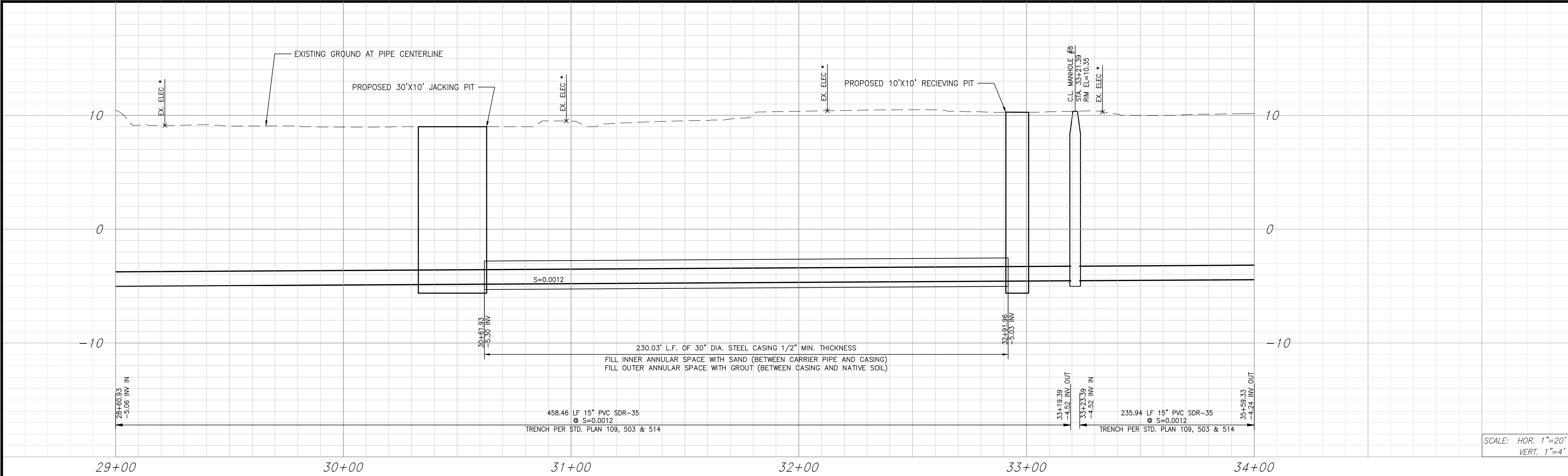
- (1) INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
- (5) INSTALL 48-INCH DIA LINED PRECAST MANHOLE MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
- (7) REMOVE EXISTING TREE (TO BE REPLACED WITH 2 NEW TREES)
- (8) PROTECT EXISTING TREE IN PLACE (TRY TO PROTECT TREE ROOTS IF POSSIBLE, IF NOT TRIM BACK)
- (10) REMOVE AND REPLACE AC PAVEMENT PER MODIFIED HB STD PLAN 109
- (11) REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
- (13) REMOVE AND REPLACE EXISTING SIDEWALK IN KIND, PER HB STD PLAN 207
- (17) REMOVE AND REPLACE EXISTING SIGN IN KIND
- (19) REMOVE AND REPLACE EXISTING CONCRETE CROSS GUTTER PER HB STD PLAN 205



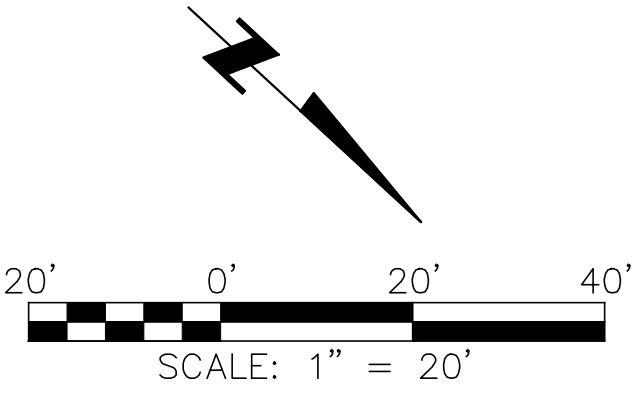
MATCHLINE - STA. 29+00.00
SEE DWG. C-05



REVISIONS				SCALE: AS SHOWN	 <p>CALL 811 AT LEAST TWO DAYS BEFORE YOU DIG</p> <p>Know what's below. Call before you dig.</p> <p>UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA</p>	 <p>LEE+RO WATER INFRASTRUCTURE ENGINEERS 1199 S. FULLERTON RD. CITY OF INDUSTRY, CA 91748 TEL: (626) 912-3391 FAX: (626) 912-2015</p>	SUNSET BEACH SANITARY DISTRICT		 <p>SUNSET BEACH SANITARY DISTRICT P.O. BOX 1185 SUNSET BEACH, CA 90742-1185 Phone: (562) 493-9932</p>	BROADWAY PUMP STATION BYPASS SEWER		<p>DRAWING</p> <p>C-04</p> <p>SHEET 12 OF 15</p>
NUMBER	DATE	INITIALS	DESCRIPTION	APPROVED BY:			SEWER PLAN AND PROFILE STA 24+00.00 TO STA 29+00.00					
				THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424		DATE						



- CONSTRUCTION NOTES:**
1. INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
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 6. REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
 7. REMOVE AND REPLACE EXISTING SIDEWALK IN KIND, PER HB STD PLAN 207
 8. INSTALL 30" JACKED STEEL CASING 1/2" MIN. THICKNESS

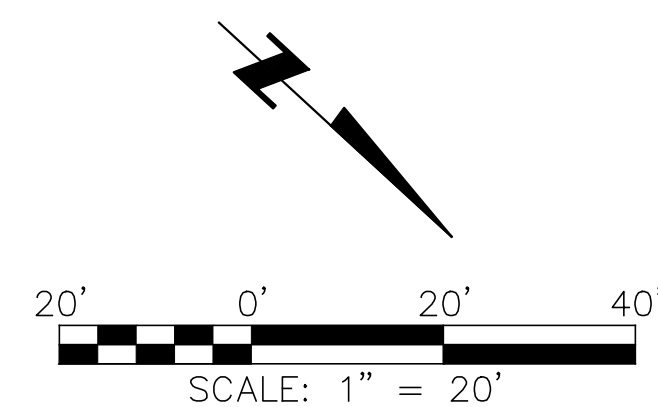


REVISIONS				SCALE:	SUNSET BEACH SANITARY DISTRICT			DRAWING	
NUMBER	DATE	INITIALS	DESCRIPTION	AS SHOWN	APPROVED BY:			BROADWAY PUMP STATION BYPASS SEWER	
								SEWER PLAN AND PROFILE	
								STA 29+00.00 TO STA 34+00.00	
					THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424			C-05	
					DATE			SHEET 13 OF 15	

811 Know what's below. Call before you dig. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	LEE+RO WATER INFRASTRUCTURE ENGINEERS 1199 S. FULLERTON RD. CITY OF INDUSTRY, CA 91748 TEL: (626) 912-3391 FAX: (626) 912-2015	SUNSET BEACH SANITARY DISTRICT P.O. BOX 1185 SUNSET BEACH, CA 90742-1185 Phone: (562) 493-9932	BROADWAY PUMP STATION BYPASS SEWER SEWER PLAN AND PROFILE STA 29+00.00 TO STA 34+00.00	DRAWING C-05 SHEET 13 OF 15
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- 1 INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
- 2 INSTALL 48-INCH DIA LINED PRECAST MANHOLE MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
- 3 REMOVE EXISTING TREE (TO BE REPLACED WITH 2 NEW TREES)
- 4 PROTECT EXISTING TREE IN PLACE (TRY TO PROTECT TREE ROOTS IF POSSIBLE, IF NOT TRIM BACK)
- 5 REMOVE AND REPLACE AC PAVEMENT PER MODIFIED HB STD PLAN 209
- 6 REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
- 7 REMOVE AND REPLACE EXISTING SIDEWALK IN KIND, PER HB STD PLAN 207
- 8 REMOVE AND REPLACE EXISTING SLAB IN KIND, RETURN AND SECURE PARK EQUIPMENT TO SLABS.
- 9 REMOVE AND REPLACE EXISTING SIGN IN KIND
- 10 INSTALL 30" JACKED STEEL CASING 1/2" MIN. THICKNESS



REVISIONS				SCALE: AS SHOWN	 <p>CALL 811 AT LEAST TWO DAYS BEFORE YOU DIG</p> <p>Know what's below. Call before you dig.</p> <p>UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA</p>		 <p>LEE+RO</p> <p>WATER INFRASTRUCTURE ENGINEERS 1199 S. FULLERTON RD. CITY OF INDUSTRY, CA 91748 TEL: (626) 912-3391 FAX: (626) 912-2015</p>	SUNSET BEACH SANITARY DISTRICT		BROADWAY PUMP STATION BYPASS SEWER SEWER PLAN AND PROFILE STA 34+00.00 TO STA 39+00.00	DRAWING C-06 SHEET 14 OF 15
NUMBER	DATE	INITIALS	DESCRIPTION	R. BACHUVALA DESIGNED: R. BACHUVALA DRAWN: M. KADIYALA CHECKED:				APPROVED BY:			
								THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424 DATE			



-



1-1	DDN \ 1226	SREN	Broadway	DS	Binass	Sewer	10NWC	Current	Submital	03-01M	1226-0-07	dwg	lin	20	2022	- 11.23am
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FIGURE 3
Sheet 1 of 2

Broadway Pump Station
Bypass Sewer Project
Nest Locations

5-22-0667 (SBSD)
Heron Nest Locations
Exhibit 3

Tunneling

CONSTRUCTION NOTES:

- ① INSTALL 15" PVC SDR-35 SEWER MAIN AND PER HB STD PLANS 503 AND 514
- ② INSTALL 48-INCH DIA LINED PRECAST MANHOLE MANHOLE PER CITY OF HUNTINGTON BEACH STANDARD PLAN 504 AND 505
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- ⑤ REMOVE AND REPLACE AC PAVEMENT PER MODIFIED HB STD PLAN 109
- ⑥ REMOVE AND REPLACE EXISTING CURB & GUTTER PER HB STD PLAN 202
- ⑦ REMOVE AND REPLACE EXISTING SIDEWALK IN KIND, PER HB STD PLAN 207
- ⑧ INSTALL 30" JACKED STEEL CASING 1/2" MIN. THICKNESS

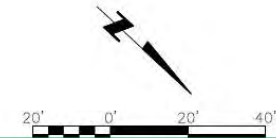
MATCHLINE - STA. 34+00.00
SEE DWG. C-06

8TH STREET

ALLEY

9TH STREET

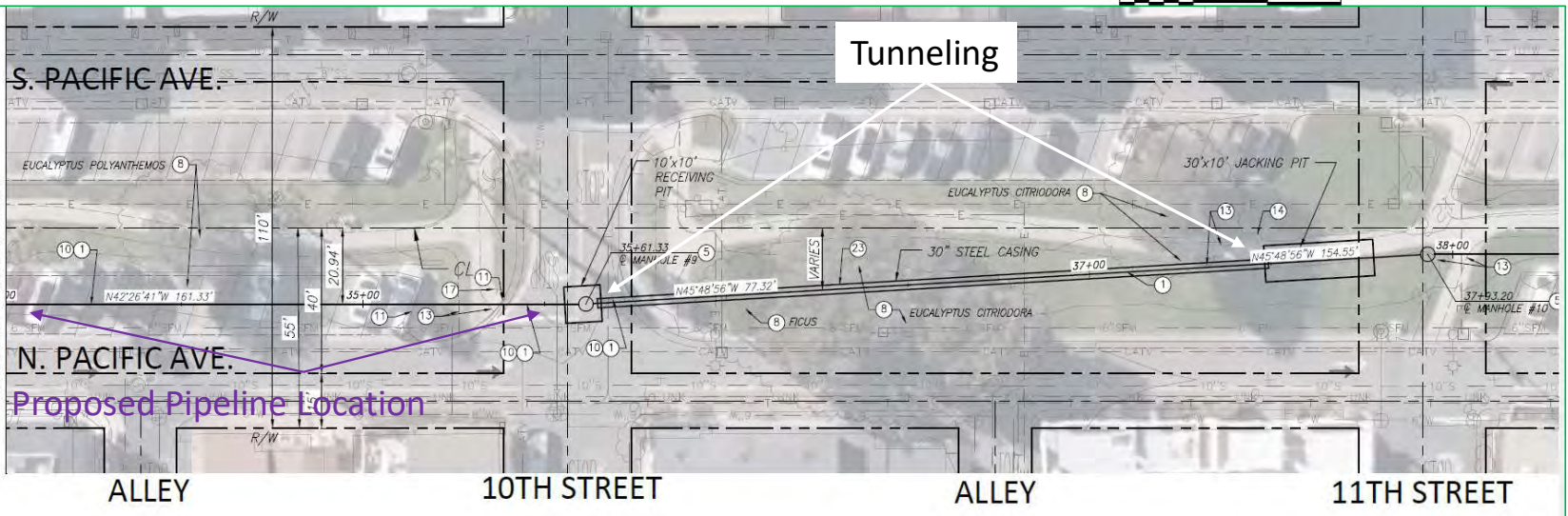
Proposed Project Plans



Tunneling

SEE DWG. C-05
MATCHLINE - STA. 34+00.00

Proposed Pipeline Location



ALLEY

10TH STREET

ALLEY

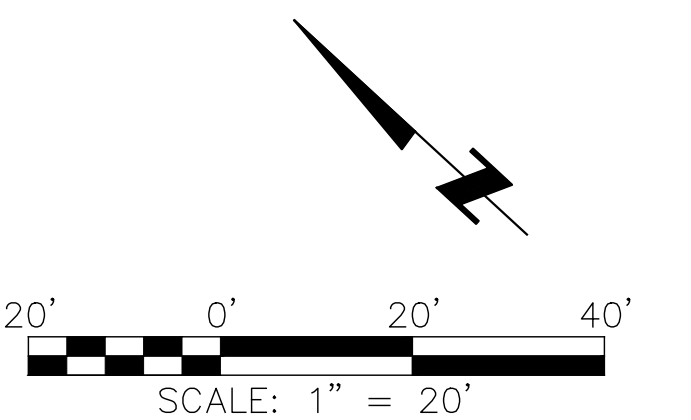
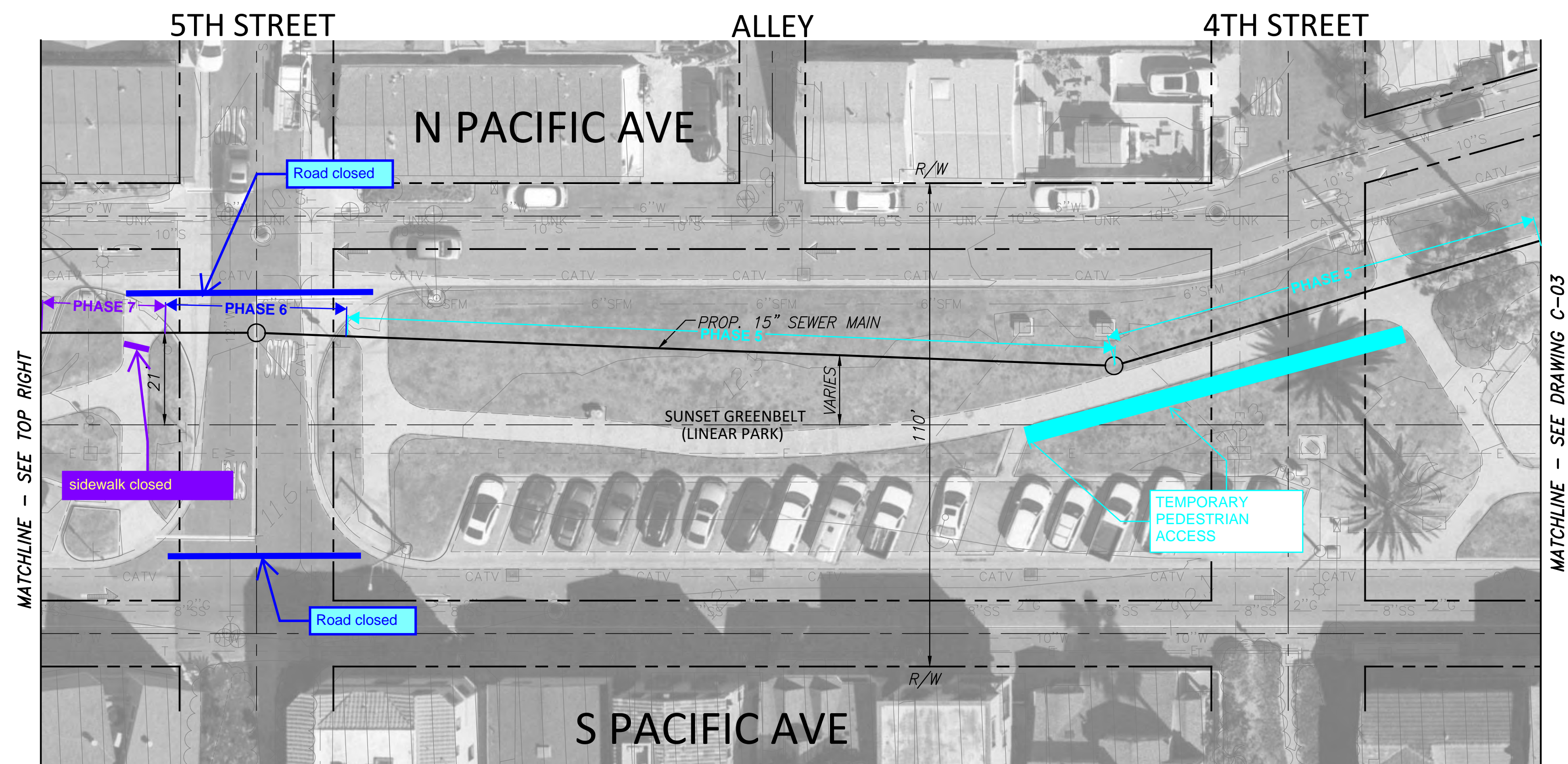
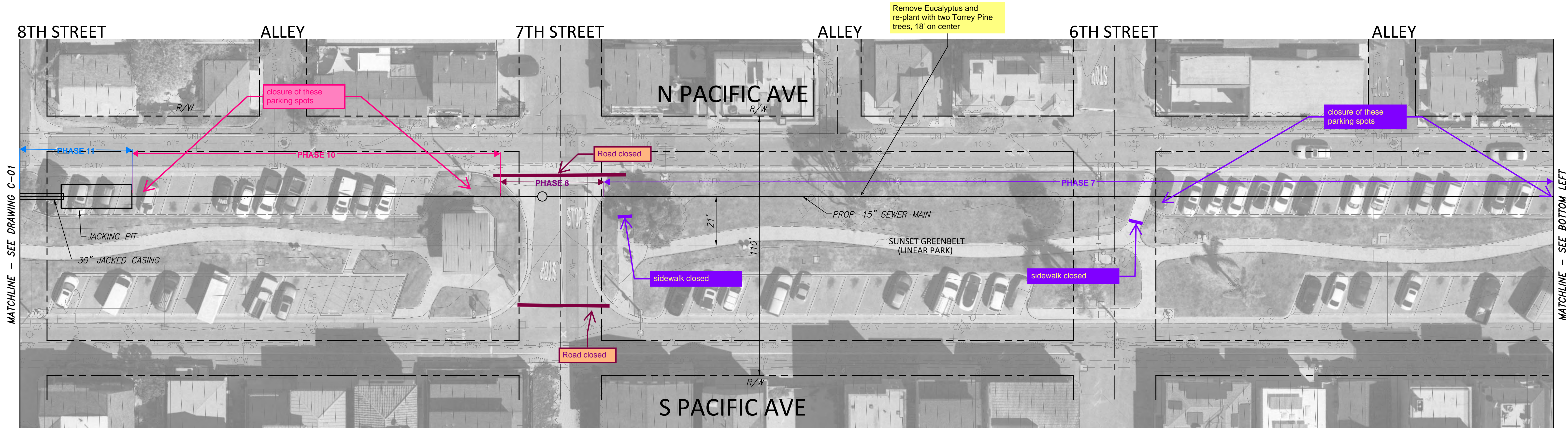
11TH STREET

5-22-0667 SBSD
Tunneling Locations
Exhibit 4

Exhibit No. 5

**5-22-0667 Sunset Beach Sanitary District
Phasing Plans (4 pages)**

C:\Users\Adam.Besworth\AppData\Local\Temp\AsPublish_721611226-C-ALIGNMENT.dwg Jun 27, 2022 - 5:23pm



REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

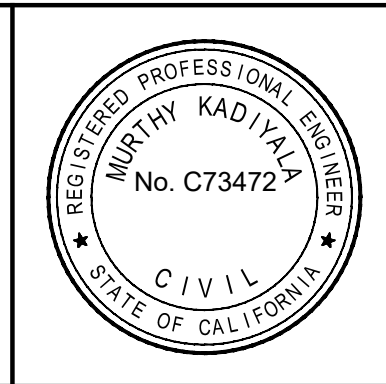
SCALE:	AS SHOWN
A. BETSWORTH	DESIGNED:
R. BACHUYALA	DRAWN:
M. KADIYALA	CHECKED:




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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA





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SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
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Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

BROADWAY PUMP STATION
BYPASS SEWER

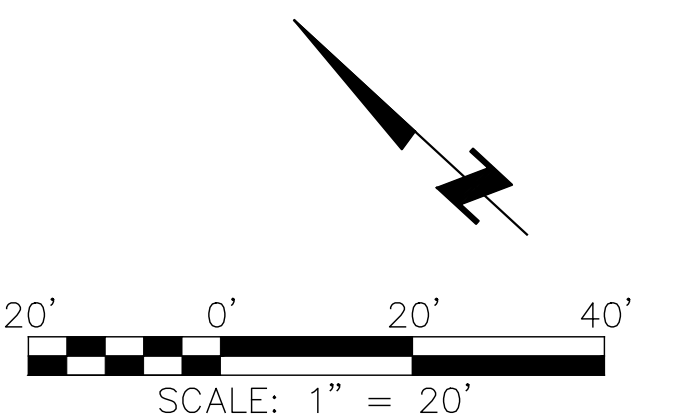
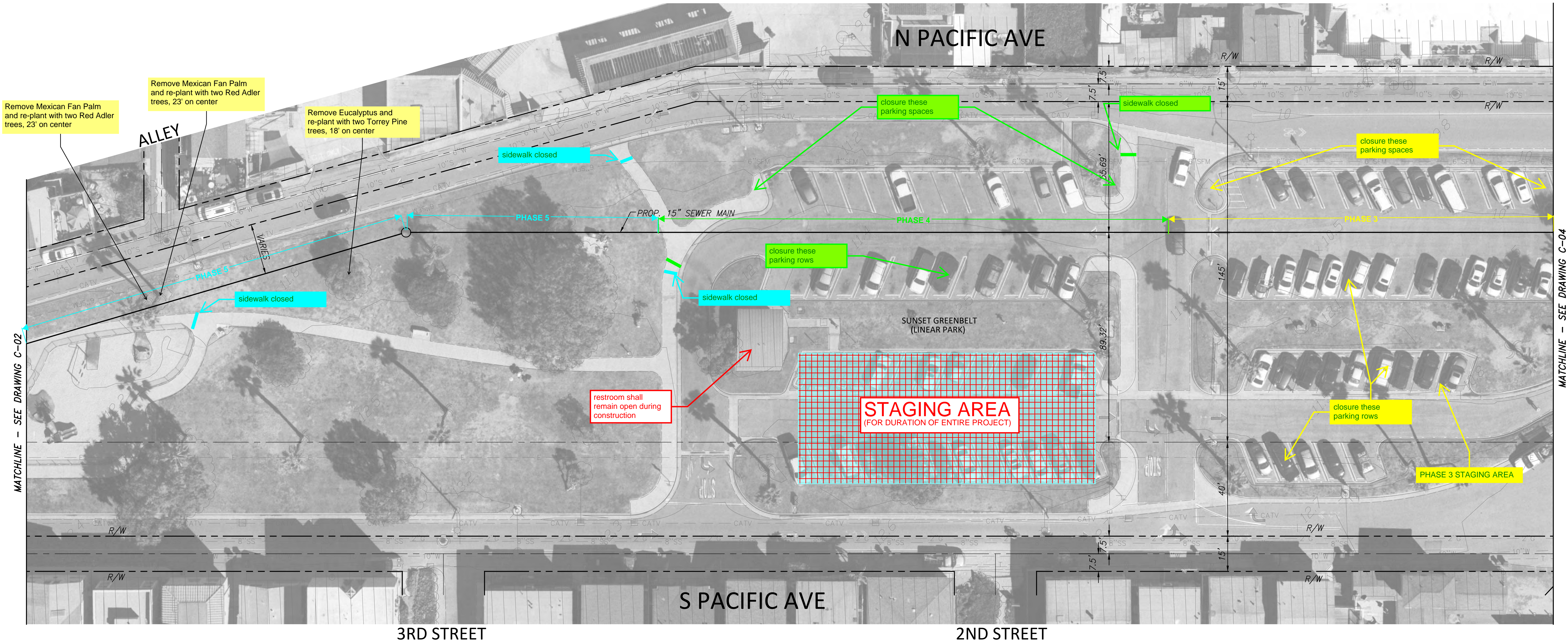
PROPOSED 15" SEWER MAIN ALIGNMENT

DRAWING

C-02

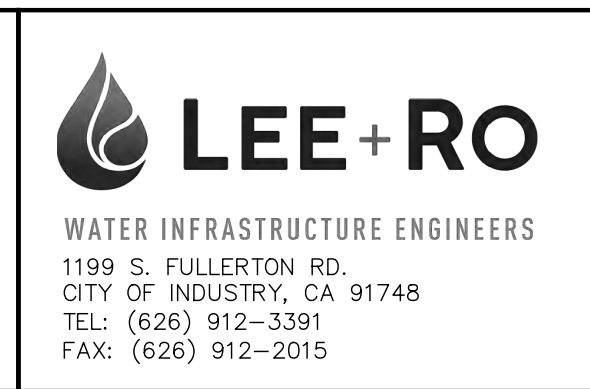
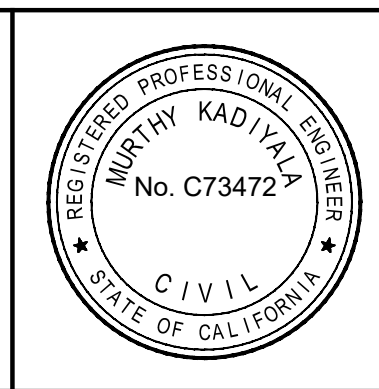
SHEET 2 OF 45

C:\Users\Adam.Besworth\AppData\Local\Temp\AsPublish_721611226-C-ALIGNMENT.dwg Jun 27, 2022 - 5:23pm



REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:	AS SHOWN
A. BETSWORTH	DESIGNED:
R. BACHUYALA	DRAWN:
M. KADIYALA	CHECKED:



SUNSET BEACH SANITARY DISTRICT

P.O. BOX 1185
SUNSET BEACH, CA 90742-1185
Phone: (562) 493-9932

SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

BROADWAY PUMP STATION
BYPASS SEWER

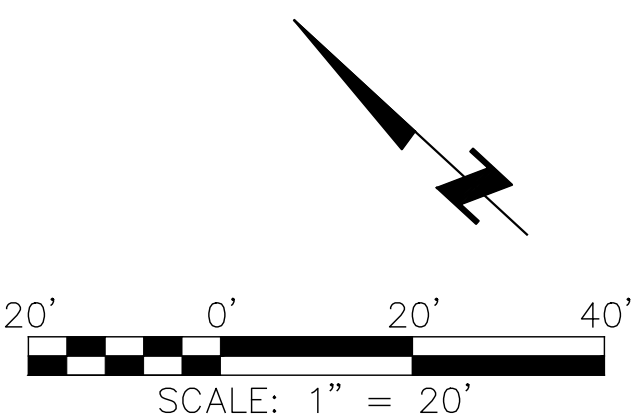
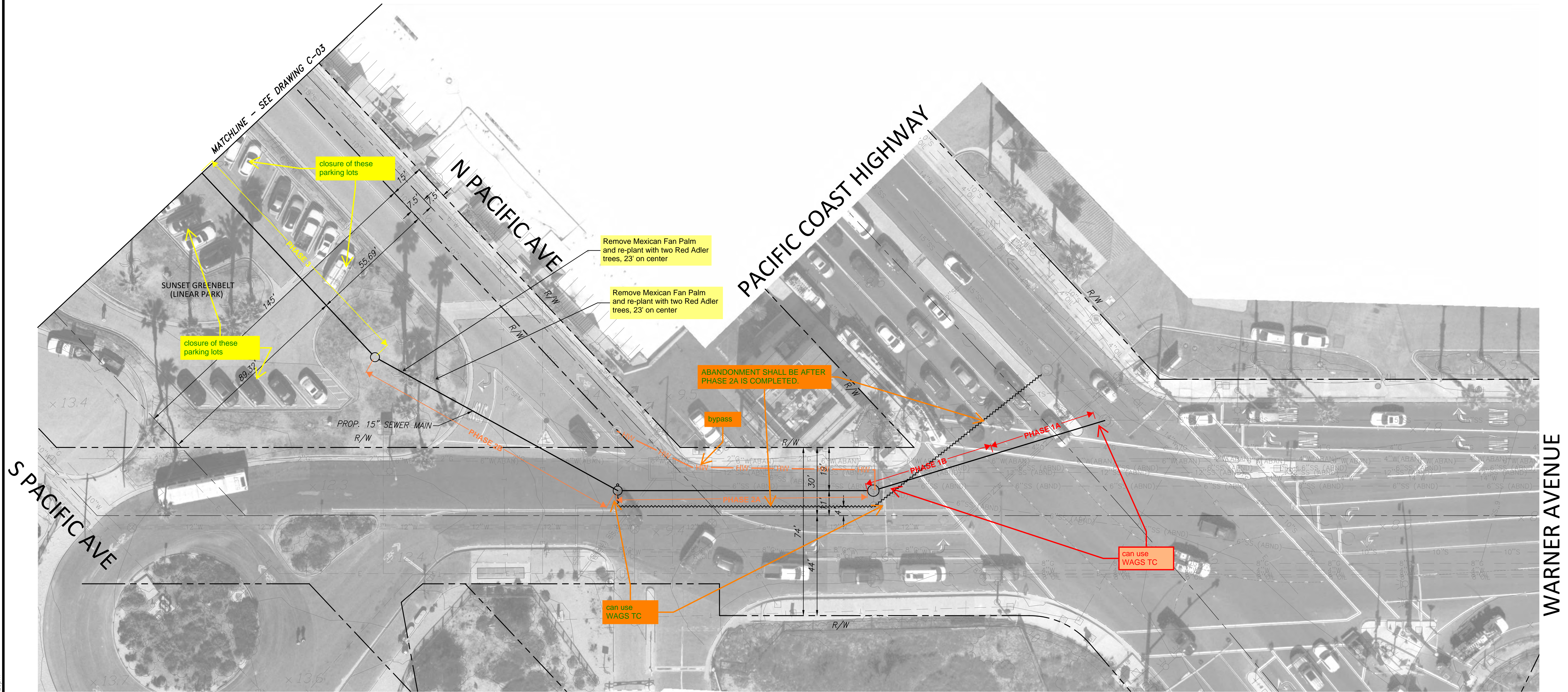
PROPOSED 15" SEWER MAIN ALIGNMENT

DRAWING

C-03

SHEET 3 OF 45

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REVISIONS			
NUMBER	DATE	INITIALS	DESCRIPTION

SCALE:	AS SHOWN
DESIGNED:	A. BETSWORTH
DRAWN:	R. BACHUYALA
CHECKED:	M. KADIYALA




CALL 811
AT LEAST TWO DAYS
BEFORE YOU DIG

Know what's
below.
Call before you dig.

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA





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SUNSET BEACH SANITARY DISTRICT

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SUNSET BEACH SANITARY DISTRICT	
APPROVED BY:	
THOMAS M. DAWES, DISTRICT ENGINEER, RCE 18424	DATE

BROADWAY PUMP STATION
BYPASS SEWER

PROPOSED 15" SEWER MAIN ALIGNMENT

DRAWING

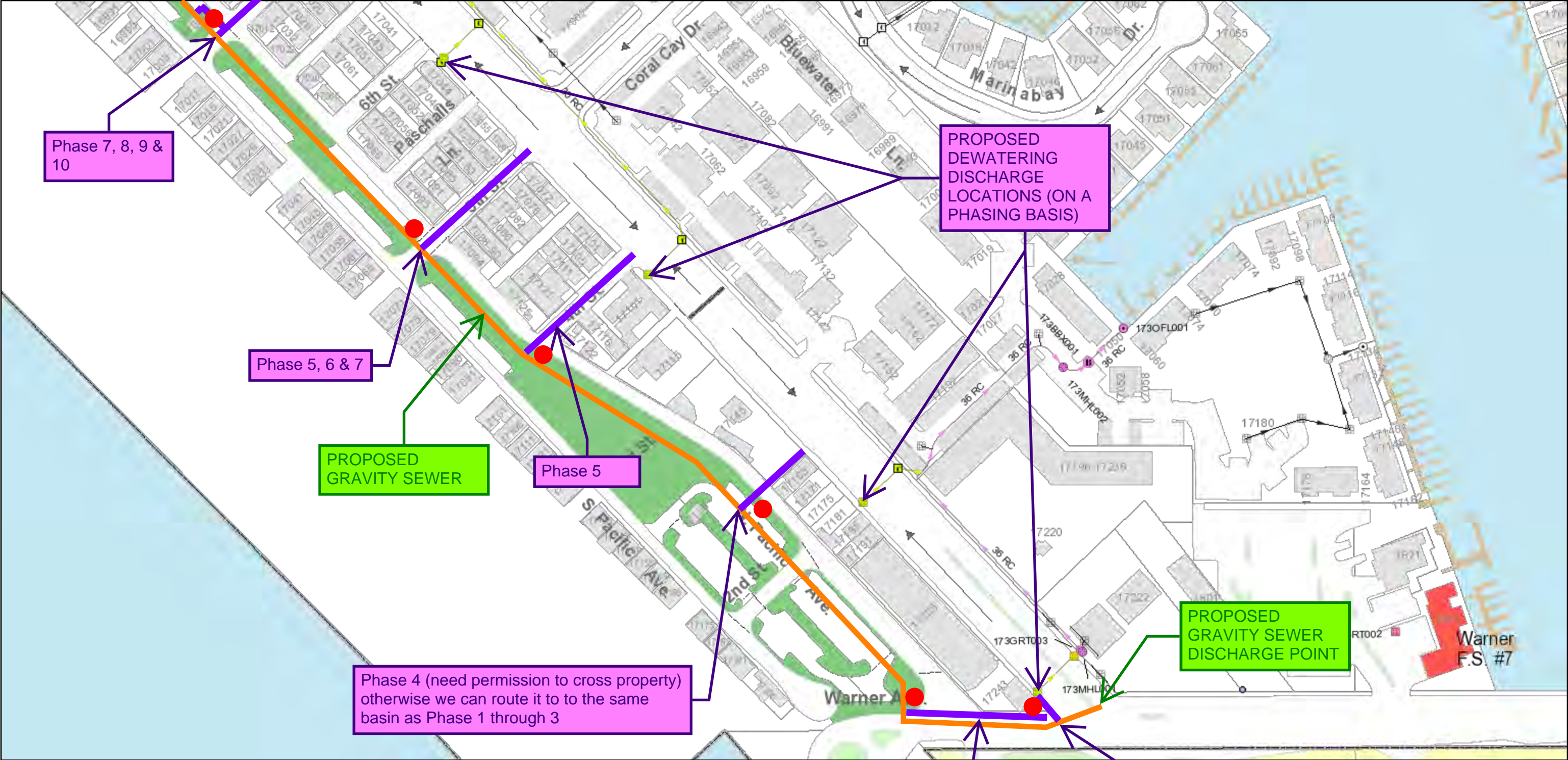
C-04

SHEET 4 OF 45

Exhibit No. 6

**5-22-0667 Sunset Beach Sanitary District
Dewatering Plan (2 pages)**

PCH at Warner



4/4/2022, 7:21:28 PM

Half Rounds

- Box Drain
- Half Round
- Junction Box

Storm Pipes

- City of Huntington Beach
- County of Orange
- Private

- City of Westminster
- City of Fountain Valley
- State of California

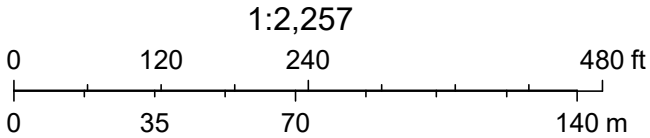
Storm Features

- Baffle Box, City of Huntington Beach
- Baffle Box, Private
- CDS Unit, City of Huntington Beach
- CDS Unit, Private

- Catch Basin, City of Fountain Valley
- Catch Basin, City of Huntington Beach
- Catch Basin, City of Westminster
- Catch Basin, County of Orange
- Catch Basin, Private
- Catch Basin, State of California
- Catch Basin, Unknown

- Clarifier, City of Huntington Beach
- Clarifier, Private
- Cleanout, City of Huntington Beach
- Cleanout, City of Westminster
- Cleanout, Private
- Detention Structure, City of Huntington Beach
- Discharge, City of Huntington Beach

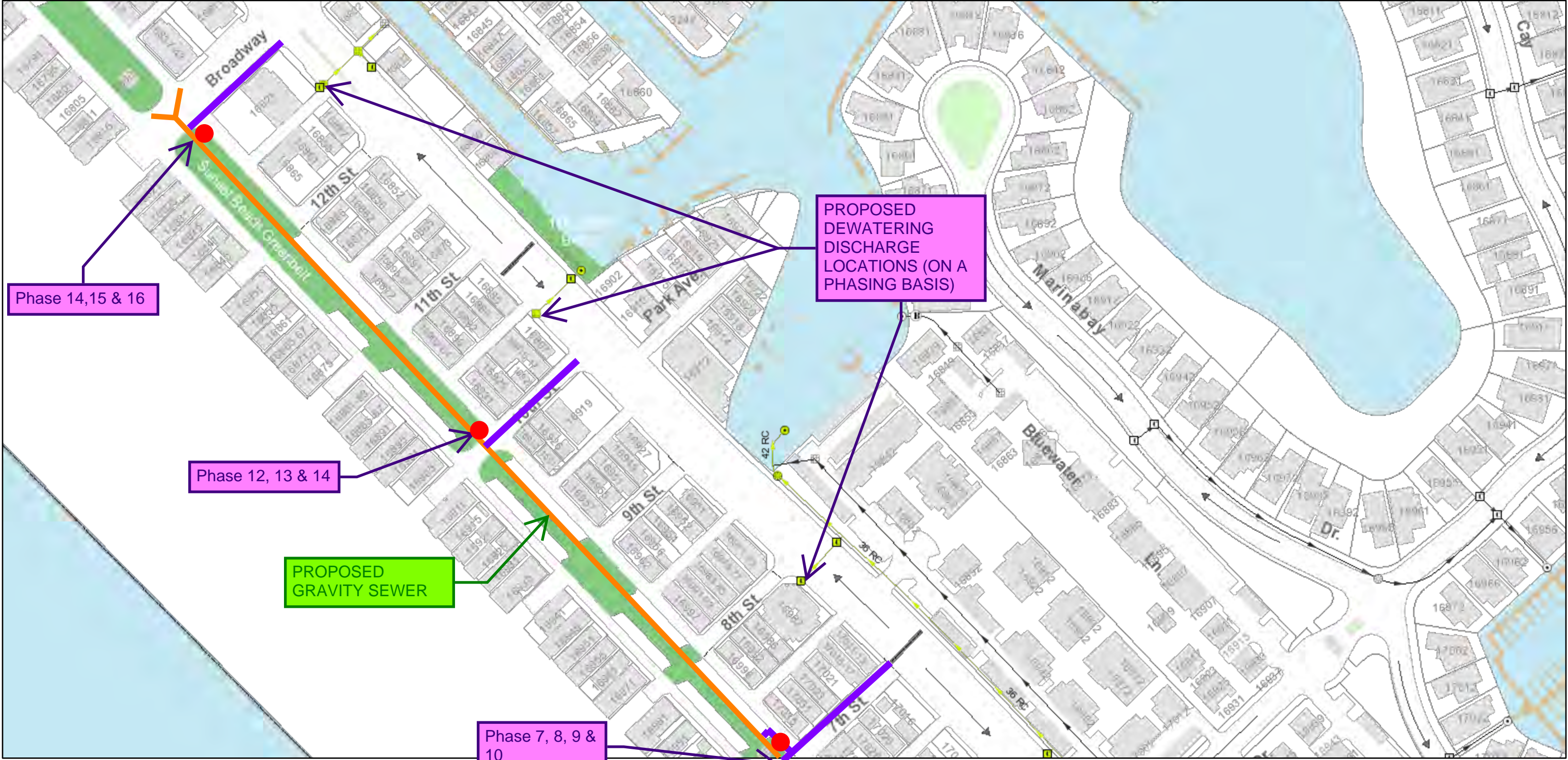
- Discharge, County of Orange
- Discharge, Private
- Forebay, City of Huntington Beach
- Forebay, County of Orange
- Forebay, Private
- Grate, City of Huntington Beach
- Grate, City of Westminster



DISCHARGE PIPING

LOCATION OF DESILTING (ADLER) TANKS

Broadway at Pacific Ave



4/4/2022, 7:23:13 PM

- | | | | | |
|--------------------------|--------------------------------------|---------------------------------------|-----------------------------------------------|-----------------------------------|
| Half Rounds | City of Westminster | Catch Basin, City of Fountain Valley | Clarifier, City of Huntington Beach | Discharge, County of Orange |
| Box Drain | City of Fountain Valley | Catch Basin, City of Huntington Beach | Clarifier, Private | Discharge, Private |
| Half Round | State of California | Catch Basin, City of Westminster | Cleanout, City of Huntington Beach | Forebay, City of Huntington Beach |
| Junction Box | Storm Features | Catch Basin, County of Orange | Cleanout, City of Westminster | Forebay, County of Orange |
| Storm Pipes | Baffle Box, City of Huntington Beach | Catch Basin, Private | Cleanout, Private | Forebay, Private |
| City of Huntington Beach | Baffle Box, Private | Catch Basin, State of California | Detention Structure, City of Huntington Beach | Grate, City of Huntington Beach |
| County of Orange | CDS Unit, City of Huntington Beach | Catch Basin, Unknown | Discharge, City of Huntington Beach | Grate, City of Westminster |
| Private | CDS Unit, Private | | | |

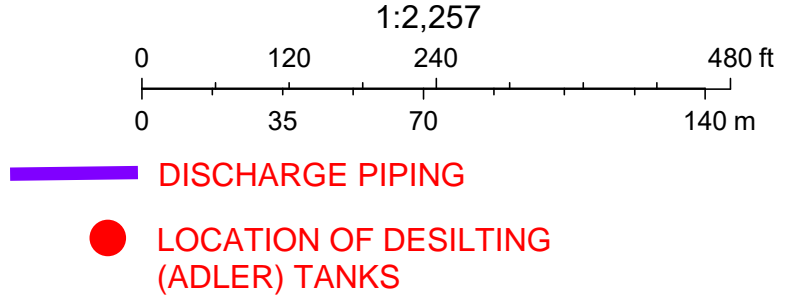


Exhibit No. 7

**5-22-0667 Sunset Beach Sanitary District
RWQCB Application (4 pages)**

California Regional Water Quality Control Board
Santa Ana Region

NOTICE OF INTENT

TO COMPLY WITH THE TERMS AND CONDITIONS OF THE GENERAL PERMIT TO DISCHARGE
WASTEWATER THAT POSE INSIGNIFICANT (DE MINIMIS) THREAT TO WATER QUALITY
(Order No. R8-2020-0006, NPDES No. CAG998001)

I. PERMITTEE (*Person/Agency Responsible for the Discharge*)

Person/Agency

Name: Sunset Beach Sanitary District *

Address: PO Box 1185, Sunset Beach, CA 90742

Street

City

State

ZIP

Contact Person: Thomas M. Dawes; Phone: (714) 655-4811;

Email: jeantom714@gmail.com

II. FACILITY

Name: Broadway Pump Station Bypass Sewer

Location: In PCH, Warner Avenue and Sunset Greenbelt, between Warner Ave. and Broadway

Street

City Huntington Beach

State CA

ZIP 90742

Contact Person: Thomas M. Dawes; Phone: (714) 655-4811;

Email: jeantom714@gmail.com

a. Projected Flow Rate (*gpd*): _____,

b. Receiving Water (*identify*): Huntington Harbor Bay, East of PCH, Warner Ave. to Broadway

III. BILLING INFORMATION (*Where annual fee invoices should be sent*)

Person/Agency

Name: Thomas M. Dawes

Address: 6901 Vista Del Sol Drive, Huntington Beach, CA 92647

Street

City

State

ZIP

Contact Person: Thomas M. Dawes; Phone: (714) 655-4811;

Email: jeantom714@gmail.com

* Please do not send mail to the PO Box. Send direct to Thomas M. Dawes

IV. INDICATE EXISTING PERMIT NUMBER: *(if applicable)*

- a. Individual permit Order No. N/A
- b. NPDES No. _____
- c. General Permit Order No. R8-2015-0004-_____
- d. Others (specify)

Remarks: If changes to facility ownership and/or treatment processes were made after the issuance of the discharge authorization letter, please provide a description of such changes on another sheet and submit it with this Notice of Intent.

VIII. CERTIFICATION:

I certify under penalty of law that I am an authorized representative of the permittee identified in Part I., above, and that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the permittee will comply with the terms and conditions stipulated in Order No. R8-2020-0006, including the monitoring and reporting program issued by the Executive Officer of the Regional Water Board.

Name: Thomas M. Dawes

(type or print)

Title: District Engineer

(type or print)

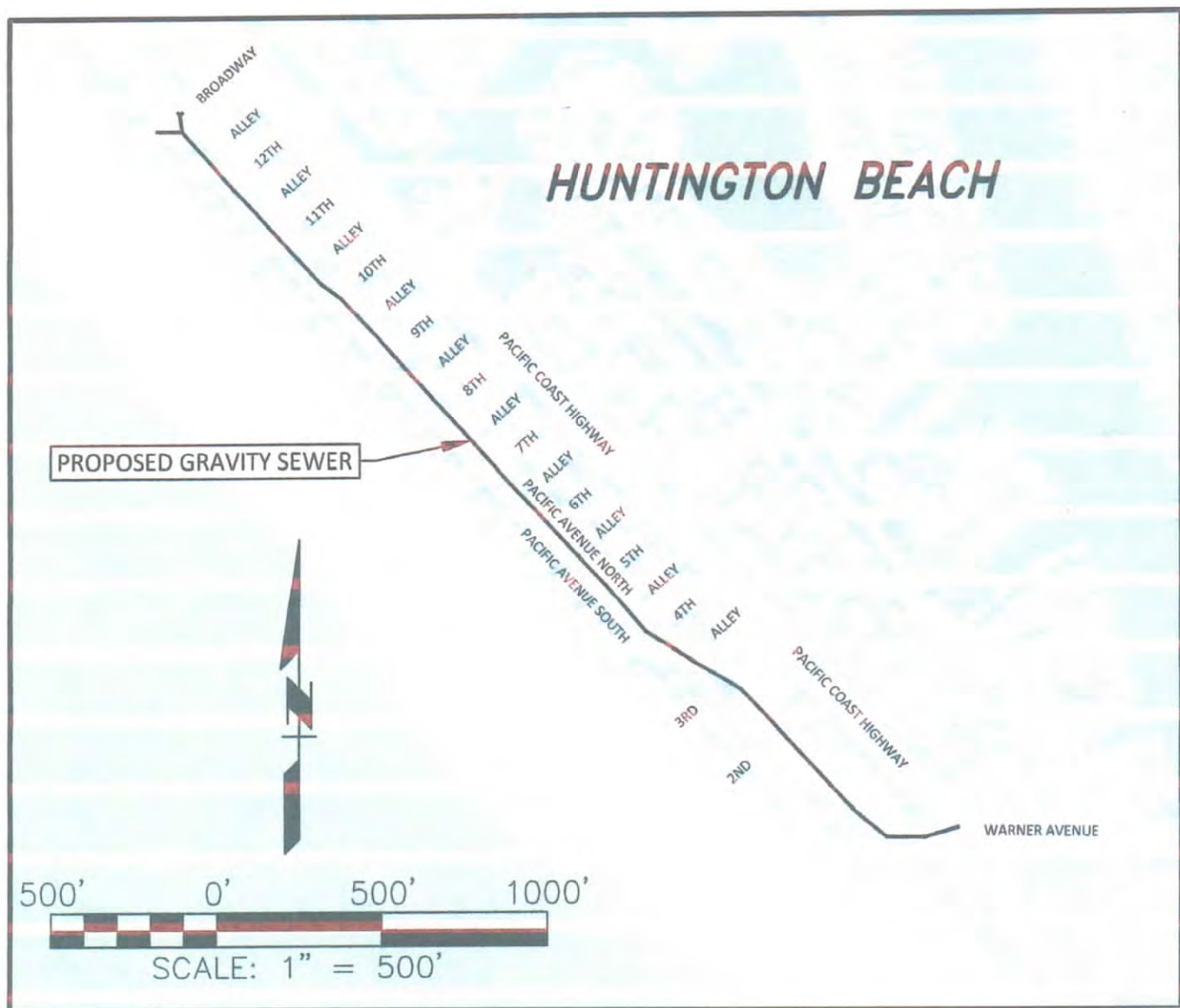
Signature: Thomas M. Dawes

Email: jeantom714@gmail.com

Date: 9-9-2022

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your application, pursuant to Division 7, Section 13260 of the California Water Code.

SUNSET BEACH SANITARY DISTRICT BROADWAY PUMP STATION BYPASS SEWER VICINITY MAP



APPENDIX B – CULTURAL RESOURCES SIGNIFICANCE TESTING PLAN PROCEDURES

- A. An applicant seeking to recommence construction following discovery of the cultural deposits shall submit a Significance Testing Plan for the review and approval of the Executive Director. The Significance Testing Plan shall identify the testing measures that will be undertaken to determine whether the cultural deposits are significant. The Significance Testing Plan shall be prepared by the project archaeologist(s), in consultation with the Native American monitor(s), and the Most Likely Descendent (MLD) when State Law mandates identification of a MLD. The Executive Director shall make a determination regarding the adequacy of the Significance Testing Plan within 10 working days of receipt. If the Executive Director does not make such a determination within the prescribed time, the plan shall be deemed approved and implementation may proceed.
1. If the Executive Director approves the Significance Testing Plan and determines that the Significance Testing Plan's recommended testing measures are de minimis in nature and scope, the significance testing may commence after the Executive Director informs the permittee of that determination.
 2. If the Executive Director approves the Significance Testing Plan but determines that the changes therein are not de minimis, significance testing may not recommence until after an amendment to this permit is approved by the Commission.
 3. Once the measures identified in the significance testing plan are undertaken, the permittee shall submit the results of the testing to the Executive Director for review and approval. The results shall be accompanied by the project archeologist's recommendation as to whether the findings are significant. The project archeologist's recommendation shall be made in consultation with the Native American monitors and the MLD when State Law mandates identification of a MLD. The Executive Director shall make the determination as to whether the deposits are significant based on the information available to the Executive Director. If the deposits are found to be significant, the permittee shall prepare and submit to the Executive Director a supplementary Archeological Plan in accordance with subsection B of this appendix and all other relevant subsections. If the deposits are found to be not significant, then the permittee may recommence grading in accordance with any measures outlined in the significance testing program.
- B. An applicant seeking to recommence construction following a determination by the Executive Director that the cultural deposits discovered are significant shall submit a supplementary Archeological Plan for the review and approval of the Executive Director. The supplementary Archeological Plan shall be prepared by the project archaeologist(s), in consultation with the Native American monitor(s), the Most Likely Descendent (MLD) when State Law mandates identification of a MLD, as well as others identified in the special condition. The supplementary Archeological Plan shall identify proposed investigation and mitigation measures.

The range of investigation and mitigation measures considered shall not be constrained by the approved development plan. Mitigation measures considered may range from in-situ preservation to recovery and/or relocation. A good faith effort shall be made to avoid impacts to cultural resources through methods such as, but not limited to, project redesign, capping, and placing cultural resource areas in open space. In order to protect cultural resources, any further development may only be undertaken consistent with the provisions of the Supplementary Archaeological Plan.

1. If the Executive Director approves the Supplementary Archaeological Plan and determines that the Supplementary Archaeological Plan's recommended changes to the proposed development or mitigation measures are de minimis in nature and scope, construction may recommence after the Executive Director informs the permittee of that determination.
2. If the Executive Director approves the Supplementary Archaeological Plan but determines that the changes therein are not de minimis, construction may not recommence until after an amendment to this permit is approved by the Commission.

Prior to submittal to the Executive Director, all plans required to be submitted pursuant to this special condition, except the Significance Testing Plan, shall have received review and written comment by a peer review committee convened in accordance with current professional practice that shall include qualified archeologists and representatives of Native American groups with documented ancestral ties to the area. Names and qualifications of selected peer reviewers shall be submitted for review and approval by the Executive Director. The plans submitted to the Executive Director shall incorporate the recommendations of the peer review committee. Furthermore, upon completion of the peer review process, all plans shall be submitted to the California Office of Historic Preservation (OHP) and the NAHC for their review and an opportunity to comment. The plans submitted to the Executive Director shall incorporate the recommendations of the OHP and NAHC. If the OHP and/or NAHC do not respond within 30 days of their receipt of the plan, the requirement under this permit for that entities' review and comment shall expire, unless the Executive Director extends said deadline for good cause. All plans shall be submitted for the review and approval of the Executive Director.