PUBLIC WORKS OFF-SITE IMPROVEMENT AND STORM DRAIN GENERAL NOTES

(Note: Please address on plans only those notes below that are applicable for the project. Notes shall not be changed unless approved by the City Engineer.)

1. ALL WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" TOGETHER WITH THE CITY OF LONG BEACH AMENDMENTS TO SAID SPECIFICATIONS, AND CITY OF LONG BEACH STANDARD PLANS, ALL AS MOST RECENTLY ADOPTED BY THE CITY.

2. STORM DRAIN WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF LONG BEACH ORDINANCE REQUIREMENTS WHICH SPECIFY THE WORK MUST BE DONE WITH THE APPROPRIATE AND COMMENSURATE STATE CONTRACTOR'S LICENSE AND INSURANCE UNDER A PUBLIC WORKS PERMIT. SHALL CONTACT PUBLIC WORKS AT PW-PRIVATEDEVELOPMENT@LONGBEACH.GOV OR 562-570-6784 FOR REQUIREMENTS AND PROCESS INFORMATION.

3. PRIOR TO ISSUANCE OF THE APPROPRIATE PERMIT, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY & HEALTH (CAL/OSHA) FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER. SHEETING, SHORING AND BRACING FOR THE TRENCH EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF "CONSTRUCTION SAFETY ORDERS," TITLE 8, CHAPTER 4, DIVISION OF OCCUPATIONAL SAFETY & HEALTH (CAL/OSHA), STATE OF CALIFORNIA.

4. PERMITS TO PERFORM ALL WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED FROM PUBLIC WORKS COUNTER. SHALL CONTACT PUBLIC WORKS AT PW-PRIVATEDEVELOPMENT@LONGBEACH.GOV OR 562-570-6784 FOR REQUIREMENTS AND PROCESS INFORMATION. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE PERFORMED BY A CONTRACTOR HOLDING THE APPROPRIATE VALID STATE OF CALIFORNIA CONTRACTOR'S LICENSE AND CITY OF LONG BEACH BUSINESS LICENSE TO QUALIFY THE CONTRACTOR TO DO THE WORK. CONTRACTOR SHALL HAVE ON FILE WITH THE CITY ENGINEER A CERTIFICATION OF GENERAL LIABILITY INSURANCE AND AN ENDORSEMENT EVIDENCING MINIMUM LIMITS OF REQUIRED GENERAL LIABILITY INSURANCE.

5. PRIOR TO ISSUANCE OF A STREET PERMIT, THE CONTRACTOR SHALL FURNISH THE CITY ENGINEER WITH SIGNED, STAMPED AND DATED GRADE SHEETS PREPARED BY A CIVIL ENGINEER OR LAND SURVEYOR FOR SURFACE IMPROVEMENTS AND DRAINAGE STRUCTURES. INVERT ELEVATIONS AT CONNECTIONS WITH EXISTING DRAINAGE LINES SHALL BE CONFIRMED BEFORE SUBMITTAL TO THE CITY. THE REQUIRED SIGNATURE SHALL BE PRECEDED BY THE FOLLOWING NOTE: "THIS APPROVED GRADE SHEET WAS PREPARED BY ME OR UNDER MY DIRECTIONS, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND MATHEMATICALLY CORRECT."

6. THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATION. APPROVAL OF THIS PLAN BY THE CITY OF LONG BEACH DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINE NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY LINES AND STRUCTURES THAT MAY BE DAMAGED ON ACCOUNT TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE CITY.

7. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS INSPECTION SECTION AT (562) 570-5160 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

8. THE CONTRACTOR SHALL NOTIFY ALL OF THE FOLLOWING AGENCIES 48 HOURS PRIOR TO THE START OF CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THESE PLANS.

   A. UNDERGROUND SERVICE ALERT (USA/SC)
      TELEPHONE: 811

B. CITY OF LONG BEACH UTILITY SERVICES

   a. ENERGY RESOURCES
      TELEPHONE: (562) 570-2030

   b. LONG BEACH WATER (WATER AND SEWER)
      TELEPHONE: (562) 570-2419

C. CITY OF LONG BEACH BUREAU OF TRAFFIC AND TRANSPORTATION,
   TRAFFIC SIGNALS COORDINATOR, OPERATIONS DIVISION
   TELEPHONE: (562) 570-3264

D. CITY OF LONG BEACH POLICE DEPARTMENT
   TELEPHONE: (562) 570 -7396

E. CITY OF LONG BEACH FIRE DEPARTMENT
   TELEPHONE: (562) 570 -2572

9. REMOVAL, ADJUSTMENT OR RELOCATION OF UTILITIES OR ANY WORK ON THE AREA OF THEIR RECORDED EASEMENTS SHALL BE DONE ONLY WITH APPROVAL OF THE UTILITY OWNERS, OBTAINED BEFORE STARTING THE WORK.

10. ANY REVISIONS MADE TO APPROVED PLANS SHALL NEED SUBSEQUENT APPROVAL BY THE CITY ENGINEER BEFORE STARTING THE WORK.

11. WITHIN 72 HOURS AFTER FINAL SURFACING IS PLACED, ALL MANHOLES AND VALVE BOX FRAMES AND COVERS SHALL BE ADJUSTED BY THE CONTRACTOR TO FINISH GRADE EXCEPT THOSE OWNED BY THE GAS DEPARTMENT, WHICH WILL BE ADJUSTED BY THE DEPARTMENT'S CREW. IN THE CASE OF THE LONG BEACH UTILITIES -WATER APPURTENANCES, THE ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR IN ASSOCIATION WITH LONG BEACH UTILTIES - WATER, ALL AT CONTRACTOR'S EXPENSE.

12. TOP OF MANHOLES SHALL CONFORM TO APPROVED STREET OR ALLEY GRADES, WITH A MINIMUM OF TWO ADJUSTMENT RINGS.

13. COLD-MILL ASPHALT CONCRETE WHERE JOINING EXISTING PAVEMENT AS SHOWN ON THE STANDARD PLANS OR AS DIRECTED BY THE CITY ENGINEER.

14. ASPHALT CONCRETE SURFACE COURSE SHALL BE PER GREENBOOK STANDARDS.

15. PROVIDE A MINIMUM OF 4 FEET WIDE PCC STRIP ADJACENT TO THE PROPERTY LINE AND ACROSS THE DRIVEWAY (CROSS SLOPE OF 2 PERCENT, MAXIMUM) FOR USE AS A DISABLED ACCESS.(SPECIFY THE VALUE OF "Y" ON DRIVEWAYS IN ACCORDANCE WITH STANDARD PLAN 105)

16. CONTACT THE LONG BEACH TRANSIT COMPANY BEFORE DOING ANY WORK AT TRANSIT BUS STOPS, SHELTERS, SIGNS, OR APPURTENANCES.

17. STORM DRAIN CONNECTOR PIPE SHALL BE RCP WITH A MINIMUM D LOAD OF D-1750.

18. THE MAXIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 20 INCHES. IF EXCEEDED, CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT SPECIAL BEDDING ACCEPTABLE TO THE CITY ENGINEER.

19. CONCRETE BACKFILL SHALL BE USED AT ANY LOCATION WITH LESS THAN 24 INCHES OF COVER FROM TOP OF PIPE TO FINISH GRADE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

20. BEDDING SHALL BE PER SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS, AND STANDARD PLAN NO. 634.

21. BACKFILL SHALL BE MECHANICALLY COMPACTED TO 90 PERCENT MINIMUM RELATIVE DENSITY PER SECTION 306-1.3 OF THE STANDARD SPECIFICATIONS AND SHALL HAVE A MINIMUM SAND EQUIVALENT OF 15.

22. TRENCH EXCAVATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH STANDARD PLAN 127 AND 634.

23. PRIVATE STORM DRAINS SHALL HAVE THE CITY OF LONG BEACH IDENTIFICATION ELIMINATED FROM THE MANHOLE COVERS. ONLY THE LETTERS "SD" SHALL BE SHOWN ON THE MANHOLE COVER.

24. IF SOILS TESTS HAVE BEEN TAKEN, INFORMATION RELATING TO THE SOILS SUITABILITY FOR BACKFILL AND BEDDING SHALL BE STATED ON THE PLANS AND THE GROUNDWATER TABLE SHALL BE PLOTTED ON THE DRAWING PROFILE.

25. THIS STORM DRAIN WILL BE PUBLICLY / PRIVATELY BUILT [CROSS OUT ONE] AND WILL BE OPERATED AND MAINTAINED BY _____.

26. BEFORE DOING ANY WORK ON TREES WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING PLANTING, REMOVAL, CUTTING, OR REPLANTING, CALL THE PUBLIC SERVICE BUREAU AT (562) 570-2700. TREE TRIMMING AND REMOVAL SHALL BE CONDUCTED DURING NON-BREEDING AND NON-NESTING SEASON.

27. PROPOSED UTILITIES AND TREE WELLS SHALL BE IN PLACE BEFORE CONCRETING THE PUBLIC SIDEWALK.

28. EXISTING TRAFFIC LOOP DETECTORS AND TRAFFIC STRIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. SHALL CONTACT TRAFFIC OPERATIONS AT 562-570-2766

29. WATER AND SEWER IMPROVEMENTS, AND WORK WITHIN WATER AND SEWER EASEMENTS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF LONG BEACH UTILITIES. ON-SITE SEWER IMPROVEMENTS SHALL BE COORDINATED WITH THE DEPARTMENT OF PLANNING AND BUILDING OF THE CITY OF LONG BEACH.

30. APPROVED PLAN FROM RESPECTIVE UTILITY AGENCIES ARE REQUIRED PRIOR TO APPROVALS AND CONSTRUCTION.

31. WORK WITHIN CALTRANS / LACDPW / LACSD (AS APPLICABLE) RIGHT-OF-WAY SHALL REQUIRE PRIOR APPROVAL AND ENCROACHMENT PERMIT. WORK IN THESE AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THAT AGENCY'S REQUIREMENTS. A COPY OF THE PERMIT SHALL BE FURNISHED TO THE CITY PRIOR TO START OF WORK.

31. REMOVAL, ADJUSTMENT OR RELOCATION OF EXISTING TRAFFIC SIGNAL, SIGN, STRIPING, OR OTHER TRAFFIC CONTROL DEVICES SHALL BE DONE ONLY UPON APPROVAL OF THE CITY TRAFFIC ENGINEER.

32. THE APPLICANT SHALL SUBMIT TRAFFIC CONTROL, DETOUR PLAN AND HAUL ROUTE PLAN TO COVER ALL IMPROVEMENTS, EXCAVATION AND OCCUPANCY ON PUBLIC RIGHT-OF-WAY.

34. NOTIFY THE CITY TRAFFIC ENGINEER (562) 570-6332 AND THE CONSTRUCTION DIVISION, INSPECTION SECTION (562) 570-5160, 24 HOURS IN ADVANCE OF ANY REPLACEMENT LAYOUT RESTORING OBLITERATED STRIPING, PAVEMENT MARKINGS, LEGENDS OR RAISED PAVEMENT MARKERS. THE CONTRACTOR SHALL MAKE SUCH REPLACEMENT WITH LIKE MATERIALS.

35. SLOT PAVING SHALL BE REQUIRED AS SHOWN ON CITY OF LONG BEACH STANDARD PLAN 116 FOR CONSTRUCTION OF CURB & GUTTER, CURB, CURB RAMP, SIDEWALK OR DRIVEWAY REPLACEMENT.

36. THE CONTRACTOR SHALL REMOVE ANY PAVEMENT AND SIDEWALK MARKINGS UPON COMPLETION OF THE WORK. THESE MARKINGS ARE USED TO IDENTIFY THE LOCATION OF UTILITY SERVICES UNDER THE USA PROGRAM AND CONSTRUCTION RELATED MARKINGS, INCLUDING BUT NOT LIMITED TO HORIZONTAL AND VERTICAL GRADE MARKINGS, SURVEY STATIONING, OFFSETS, CURB LINES, AND OTHER LAYOUT LINES. PAINTING OVER THE USA MARKINGS IS NOT ACCEPTABLE.

37. ANY OFF-SITE IMPROVEMENTS FOUND DAMAGED SHALL BE REPLACED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.

PUBLIC WORKS SURVEY GENERAL NOTES

SURVEY MONUMENT NOTE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION AND PERPETUATION OF ALL EXISTING MONUMENTS WHICH CONTROL SUBDIVISIONS, TRACTS, BOUNDARIES, RIGHT-OF-WAY, OR WHICH PROVIDE SURVEY CONTROL, INCLUDING BENCHMARKS WHICH WILL BE DESTROYED BY THE CONTRACTOR'S ACTIVITIES. AFTER RECEIVING THE NOTICE-TO-PROCEED, THE CONTRACTOR; USING THE SERVICES OF A SURVEYOR LICENSED IN CALIFORNIA, SHALL SUBMIT TO THE CITY SURVEYOR'S OFFICE AT CITY HALL, PRELIMINARY CORNER RECORDS FOR THOSE MONUMENTS THAT WERE FOUND IN THE AREA OF CONSTRUCTION. THE CONTRACTOR'S SURVEYOR WILL SET NEW TIES FOR ANY MONUMENT WHOSE TIES ARE DISTURBED AND PREPARE PRELIMINARY CORNER RECORDS FOR THE NEW TIES.

AFTER CONSTRUCTION, THE CONTRACTOR'S SURVEYOR SHALL SUBMIT TO THE CITY THE PRELIMINARY CORNER RECORDS FOR ANY MONUMENTS REPLACED OR CONSTRUCTED, OR WHOSE TIES ARE RESET. THE CONTRACTOR'S SURVEYOR SHALL FILE CORNER RECORDS FOR THOSE MONUMENTS IN THE OFFICE OF THE COUNTY SURVEYOR AND SHALL PROVIDE THE CITY WITH A COPY OF ALL CORNER RECORDS FILED. (CALIFORNIA BUSINESS AND PROFESSIONS CODE SECTIONS 9771, 8772, AND 8773)

BENCHMARK PERPETUATION NOTE

PRIOR TO THE REMOVALS, THE CONTRACTOR SHALL REQUEST TO THE CITY SURVEYOR'S OFFICE, (562) 570-6992, TO TRANSFER THE ELEVATION FOR ANY BENCHMARKS TO BE RESET, TO TEMPORARY BENCHMARKS; AND PROVIDE A BRASS DISC FOR THE CITY SURVEYOR TO STAMP. WHEN THE DISCS ARE STAMPED AND RETURNED TO THECONTRACTOR, THE CONTRACTOR SHALL CONSTRUCT THE BENCHMARK AT LOCATIONS MARKED OUT BY THE CITY SURVEYOR'S OFFICE