# **GENERAL NOTES**

- 1. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CITY OF LIVERMORE STANDARD SPECIFICATIONS AND DETAIL DRAWINGS DATED MAY 9, 2005.
- 2. TOPOGRAPHIC SURVEY WAS PREPARED BY DEBOLT CIVIL ENGINEERING. ELEVATIONS ARE BASED USING CITY OF LIVERMORE BENCHMARK.

  MONUMENT PIN AT THE INTERSECTION OF HEATHER LANE AND BLUEBELL DRIVE. ELEVATION: 510.42.
- 3. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, 800/227-2600, 48 HOURS PRIOR TO ANY EXCAVATION.
- 4. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITIES 48 HOURS PRIOR TO ANY EXCAVATION SO THAT THEIR LINES CAN BE MARKED. UTILITIES TO BE NOTIFIED INCLUDE, BUT MAY NOT BE LIMITED TO:
  - P.G.& E., P.T.& T., VIACOM CABLE VISION, AND CALIFORNIA WATER SERVICE: 800/227-2600.

STORM DRAINS, SANITARY SEWERS: 925/960-8100.

- 5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- 6. THE CONTRACTOR SHALL KEEP EXISTING STREETS FREE FROM DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING IMPROVEMENTS WHICH ARE TO REMAIN, SUCH AS CURB, GUTTER, AND SIDEWALK, OR PAVEMENT DAMAGED BY HIM, HIS SUBCONTRACTORS, OR MATERIAL.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

### **NOTIFICATION**

- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER 24 HOURS PRIOR TO REQUIRED INSPECTION (960-4500).
- 10. DE BOLT CIVIL ENGINEERING SHALL BE NOTIFIED TWO WORKING DAYS IN ADVANCE OF WHEN FIELD STAKING IS TO BE REQUIRED (925/837-3780).

### CONFLICTS

11. ANY DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT OFFICIAL APPROVAL OF THE ENGINEER SHALL ABSOLVE THE ENGINEER OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.

### GENERAL

- 12. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE CITY OF LIVERMORE PERMIT CENTER, ENGINEERING DIVISION, LOCATED AT 1052 S. LIVERMORE AVENUE, PRIOR TO THE START OF ANY IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY.
- 13. REPLACE ALL DEFECTIVE CURB, GUTTER, SIDEWALK, AND DRIVEWAY AS DIRECTED BY THE CITY ENGINEER.
- 14. ALL UTILITY SERVICES SHALL BE UNDERGROUND.

# GRADING

- 15. CONTRACTOR SHALL PROVIDE DUST CONTROL AT ALL TIMES. PRIOR TO OBTAINING WATER FROM FIRE HYDRANTS, CONTRACTOR MUST OBTAIN WATER METER FROM WATER COMPANY.
- 16. WHERE UNSTABLE OR UNSUITABLE MATERIALS ARE ENCOUNTERED DURING SUBGRADE PREPARATION, THE AREA IN QUESTION SHALL BE OVER EXCAVATED AND REPLACED BY SELECT BACKFILL MATERIAL AS DIRECTED IN THE FIELD BY THE SOILS ENGINEER.
- 17. A SOILS REPORT FOR THIS PROJECT HAS BEEN PREPARED BY HENRY JUSTIANO AND ASSOCIATESM (GEOTECHNICAL ENGINEERING). ALL WORK SHALL BE DONE IN CONFORMANCE WITH THIS REPORT.
- 18. THE PAD IS TO BE CONSTRUCTED LEVEL FRONT-TO-REAR AND SIDE-TO-SIDE, WITHIN A TOLERANCE OF 0.1 FOOT.
- 19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF ALL STRIPPINGS BY PLACING THEM IN THE LANDSCAPE AREAS AND EXCHANGING STRIPPINGS WITH UNCONTAMINATED MATERIAL IF REQUIRED. SOILS ENGINEER SHALL DIRECT CONTRACTOR TO POSSIBLE STRIPPING PLACEMENT LOCATIONS.
- 20. DEVELOPER SHALL SCHEDULE CONTRACTING SO THAT GRADING, INSTALLATION OF DRAINAGE FACILITIES AND EROSION CONTROL PLANTING WILL BE COMPLETED PRIOR TO OCTOBER 1 OF ANY YEAR OF CONSTRUCTION. SILT AND EROSION CONTROL PLANS WILL BE REQUIRED FOR WORK DURING RAINY SEASON (OCTOBER 1 THROUGH APRIL 15). NO GRADING SHALL OCCUR BETWEEN OCTOBER 1 AND MARCH 15 EXCEPT AS MAY BE APPROVED BY THE CITY ENGINEER.
- 21. IF PAVING AND STORM DRAIN IMPROVEMENTS ARE NOT COMPLETED BY OCTOBER 15, TEMPORARY SILT CONTROL AND DRAINAGE CONTROL FACILITIES SHALL BE INSTALLED TO CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND TO PROVIDE FOR THE SAFE DISCHARGE OF STORM WATERS INTO EXISTING STORM WATER FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED BY THE CITY OF LIVERMORE.

# TRENCHES

- 22. ALL TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL G-1.
- 23. ALL TRENCHES OVER FIVE FEET IN DEPTH SHALL BE SHORED IN ACCORDANCE WITH CAL-OSHA "CONSTRUCTION SAFETY ORDERS" CURRENT EDITION. CONTRACTOR MUST HAVE VALID TRENCH SHORING PERMIT ISSUED BY CAL-OSHA.
- 24. ALL OFFSTREET SEWER, STORM, AND WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF LIVERMORE STANDARD DETAILS AND SPECIFICATIONS.
- 25. WHERE PROPOSED UNDERGROUND UTILITIES CROSS EXISTING UTILITIES, EXPOSE THE EXISTING UTILITY SUFFICIENTLY TO ALLOW THE NEW UTILITY TO BE PROPERLY CONSTRUCTED, MAINTAINING ADEQUATE COVER AND PROTECTION AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES TO THE EXISTING UTILITY RESULTING FROM THE CONSTRUCTION PROCESS.

THE CITY OF LIVERMORE INSPECTOR MAY REQUIRE FURTHER WORK TO BE DONE IF VISUAL INSPECTION INDICATES DURING CONSTRUCTION.

26. NO JETTING OF TRENCHES WILL BE ALLOWED.

### STORM DRAINS

- 27. CLASS III R.C.P. (OR EQUIVALENT ALTERNATE) SHALL BE INSTALLED FOR STORM DRAIN UNLESS OTHERWISE NOTED ON THE PLANS.
- 28. NDS DRAINS (NATIONAL DRAINAGE SYSTEM) SHALL HAVE #1211 (BLACK) GRATES.
- 29. NDS DRAINS SHALL HAVE 12"X12" GRATES WITH EXTENSIONS AS REQUIRED.
- 30. UNLESS NOTED OTHERWISE, ALL CATCH BASINS SHALL BE SANTA ROSA MODEL 5K (30"X30") INLETS WITH HEAVY-DUTY TRAFFIC GRATES.
- 31. ALL PIPE GRADES SHOWN AS FLOW LINE ELEVATIONS.
- 32. PVC PIPES AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D 3034

### SIGNING AND STRIPING

33. INSTALL PARKING STALL STRIPING, HANDICAP PARKING SIGNS, HANDICAP LEGENDS, AND MARKINGS PER ARCHITECT'S SITE PLAN.

## MISCELLANEOUS

- 34. ROOF DOWNSPOUTS SHALL NOT BE CONNECTED TO UNDERGROUND STORM DRAINAGE SYSTEM. SEE PLUMBING PLAN FOR CONNECTION DETAILS.
- 35. LOCATE WALKWAYS, PATIO BREAK AREA, TRASH ENCLOSURE, ETC. PER THE ARCHITECT'S SITE PLAN. LOCATIONS SHOWN HERE ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- 36. SEE LANDSCAPE ARCHITECTS PLAN FOR LANDSCAPE MOUNDING, IRRIGATION, ETC.
- 37. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND RETAINING WALL DETAILS.
- 38. CONTRACTOR TO PROVIDE WATERPROOFING OF THE PROPOSED BUILDING IN ALL AREAS WHERE THE GROUND OUTSIDE THE STRUCTURE IS NOT 6 INCHES BELOW THE FINISH FLOOR.

### FIRE DEPARTMEN

- 39. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF LIVERMORE BUILDING DEPARTMENT AND CITY OF LIVERMORE ORDINANCE 1833 RELATIVE TO AUTOMATIC SPRINKLER AND FIRE ALARM SYSTEMS. ALL REQUIRED PERMITS SHOULD BE OBTAINED.
- 40. AUTOMATIC FIRE SPRINKLERS SHOULD BE INSTALLED IN ALL OCCUPANCIES IN ACCORDANCE WITH LIVERMORE MUNICIPAL ORDINANCE 1833. INSTALLATIONS SHALL CONFORM TO NFPA PAMPHLET 13 AND LIVERMORE SPRINKLER STANDARD 9-3 (2002 EDITION).
- 41. ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL OCCUPANCIES SHALL HAVE VALVE TAMPER AND WATER FLOW CONNECTED TO THE UNDERWRITERS LABORATORY (UL) LISTED CENTRAL STATION SERVICE. INSTALLATION SHALL COMPLY WITH NFPA 72-2006 EDITION. THE APPLICANT SHALL BE REQUIRED TO CONTRACT DIRECTLY WITH AN UNDERWRITERS LABORATORY CERTIFIED COMPANY TO PROVIDE FIRE ALARM INSTALLATION AND MONITORING. FIRE DEPARTMENT PLAN CHECK INCLUDES SPECIFICATIONS, MONITORING CERTIFICATE(S), INSTALLATION CERTIFICATE AND ALARM COMPANY U.L. CERTIFICATE. FIRE ALARM ANNUNCIATION SHALL BE AT LOCATION(S) APPROVED BY THE FIRE PREVENTION BUREAU. THE FIRE PREVENTION BUREAU WILL WITNESS ALL ACCEPTANCE TESTS.
- 42. EXISTING FIRE ALARM SYSTEMS SHALL BE CONNECTED TO THE UNDERWRITERS LABORATORY (UL) LISTED CENTRAL STATION SERVICE. FIRE ALARM CHANGES SHALL BE SUBMITTED TO THE FIRE PROTECTION BUREAU FOR REVIEW AND APPROVAL PRIOR TO ANY MONITORING ALTERATIONS TO THE SYSTEM. SPECIFIC (UL) CERTIFICATES PERTAINING TO THE INSTALLATION AND MODIFICATION OF FIRE ALARM SYSTEMS WILL APPLY THE FIRE PREVENTION BUREAU WILL WITNESS ACCEPTANCE TESTS.
- 43. PROVIDE A HAZARDOUS MATERIALS DECLARATION FOR THIS TENANT AND/OR USE. FORM SHALL BE SIGNED BY OWNER/MANAGER OF COMPANY OCCUPYING THE SUITE/SPACE/BUILDING. NO BUILDING PERMIT WILL BE ISSUED UNTIL THE HAZARDOUS MATERIALS DECLARATION IS PROVIDED. THE FORM IS AVAILABLE THROUGH THE BUILDING DEPARTMENT AT (925) 960-4410.
- 44. SHOULD ANY OPERATION OR BUSINESS ACTIVITY INVOLVE THE USE, STORAGE OR HANDLING OF HAZARDOUS MATERIALS, THE FIRM SHALL BE RESPONSIBLE FOR CONTACTING THE FIRE DEPARTMENT PRIOR TO COMMENCING OPERATIONS. PLEASE CONTACT THE HAZARDOUS MATERIALS COORDINATOR AT (925) 454-2361.
- 45. CITY OF LIVERMORE ORDINANCE 1833 REQUIRES THAT ALL NEW AND EXISTING OCCUPANCIES BE PROVIDED WITH AN APPROVED KEY BOX AS SPECIFIED BY THE FIRE DEPARTMENT. THE APPLICANT IS RESPONSIBLE FOR OBTAINING APPROVAL FOR LOCATION AND THE NUMBER OF BOXES FROM THE FIRE DEPARTMENT BUREAU. 2 MINIMUM WILL BE LOCATED IN FIELD BY PROJECT INSPECTOR.
- 46. OCCUPANT SHALL BE RESPONSIBLE FOR PROVIDING TENANT SPACE BUILDING ACCESS KEYS FOR INSERTION INTO THE KNOX BOX PRIOR TO FINAL INSPECTION BY THE FIRE DEPARTMENT. KEYS SHALL HAVE PERMANENT MARKED TAGS IDENTIFYING ADDRESS AND/OR SPECIFIC DOORS/AREAS ACCESSIBLE WITH SAID KEY.
- 47. THE PROPOSED BUILDING(S) MAY HAVE ADDITIONAL FIRE DEPARTMENT REQUIREMENTS THAT CAN ONLY BE ADDRESSED BY KNOWING THE DETAILS OF THE OCCUPANCY. THESE OCCUPANCY DETAILS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT PRIOR TO SUBMITTAL OF CONSTRUCTION PLANS TO THE BUILDING DEPARTMENT. DETAILS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
    - A. TYPE OF STORAGE
      B. HEIGHT OF STORAGE
    - C. AISLE SPACING
    - D. RACK OF BULK STORAGE E. PALLETIZED STORAGE

DESIGN CRITERIA, DRAFT CURTAINS, ETC.

LIVERMORE

- F. TYPE OF OCCUPANCIES WITHIN AREAS OF BUILDING(S)
  BASED ON THE INFORMATION RECEIVED, THERE MAY BE ADDITIONAL REQUIREMENTS
  SUCH AS: SMOKE AND HEAT VENTING, IN-RACK SPRINKLERS, INCREASES IN SPRINKLER
- 48. APPROVED PLANS FOR THE HIGH-PILED COMBUSTIBLE STORAGE AREA SHALL BE PERMANENTLY MAINTAINED ON SITE AS REQUIRED BY CFC 8101.3.2. THE FIRE DEPARTMENT STANDARD #19 ADDRESSES THE REQUIREMENTS FOR HIGH-PILED STORAGE. PLEASE CALL (925) 454-2361.
- 49. PROVIDE UL OR ICBO LISTING FOR THE PROPOSED HEAT AND SMOKE VENTS.
- 50. AUTOMATIC FIRE SPRINKLER SYSTEM PROTECTION SHALL BE PROVIDED AND EXTEND BELOW THE SUSPENDED CEILING. CONTACT THE FIRE DEPARTMENT PRIOR TO INSERTION OF SUSPENDED CEILING TILES FOR AN INSPECTION OF MODIFICATIONS TO THE EXISTING FIRE SPRINKLER SYSTEM. A MINIMUM 48-HOUR NOTICE IS REQUIRED FOR THE FIRE DEPARTMENT WITNESSING OF ALL NECESSARY TESTS AND/OR INSPECTIONS. PLEASE CALL THE INSPECTION SCHEDULING LINE AT (925) 454-2307 TO SCHEDULE YOUR INSPECTION
- 51. WHERE ROOF INSULATION IS PRESENT IN A TENANT IMPROVEMENT, IT SHALL BE REFASTENED AS NECESSARY TO PRECLUDE OBSTRUCTION OF THE FIRE SPRINKLER

52. UNDERGROUND FIRE MAINS, FIRE HYDRANTS AND CONTROL VALVES SHALL BE INSTALLED IN CONFORMANCE WITH THE MOST RECENTLY ADOPTED EDITION OF NFPA

PAMPHLET 24, "OUTSIDE PROTECTION".

- UNDERGROUND PIPELINE CONTRACTOR SHALL SUBMIT A MINIMUM OF THREE (3) SETS OF INSTALLATION MAP DRAWINGS TO THE FIRE DEPARTMENT, FIRE PREVENTION BUREAU. THE PLANS SHALL HAVE THE CONTRACTOR'S WET STAMP INDICATING THE CALIFORNIA CONTRACTOR LICENSE TYPE, LICENSE NUMBER AND MUST BE SIGNED. NO UNDERGROUND PIPELINE INSPECTIONS WILL BE CONDUCTED PRIOR TO ISSUANCE OF
- ALL UNDERGROUND FIRE PROTECTION WORK SHALL REQUIRE A CALIFORNIA
   CONTRACTOR'S LICENSE TYPE AS FOLLOWS: C-16, C-34, C-36 OR A.
   ALL FIELD-TESTING AND INSPECTION OF PIPING JOINTS SHALL BE CONDUCTED PRIOR
- TO COVERING OF ANY PIPELINE.

  53. THE FIRE PREVENTION BUREAU REVIEW BUILDING/CIVIL DRAWINGS FOR CONCEPTUAL
- ON-SITE FIRE MAINS AND FIRE HYDRANT LOCATIONS ONLY. PLAN CHECK COMMENTS AND APPROVALS DO NOT INCLUDE:
   INSTALLATION OF THE ON-SITE FIRE MAINS AND FIRE HYDRANTS. SPECIFIC INSTALLATION DRAWINGS SUBMITTED BY THE LICENSED UNDERGROUND FIRE
  - PROTECTION CONTRACTOR SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU FOR APPROVAL.
     BACKFLOW PREVENTION OR CONNECTIONS TO THE CITY OR CALIFORNIA WATER
- SERVICE PUBLIC MAINS.
   CONNECTIONS TO PUBLIC WATER MAINS AND ASSOCIATED BACKFLOW SHALL BE SUBMITTED TO THE CITY PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. THE PUBLIC WORKS INSPECTION DIVISION DOES ALL CONNECTION INSPECTIONS. THE PUBLIC WORKS INSPECTION NUMBER IS (925) 960-4500.
- 54. ONE-INCH ELECTRICAL CONDUIT SHALL BE PROVIDED TO EACH FIRE PROTECTION SYSTEM CONTROL VALVE INCLUDING ALL VALVE(S) AT THE WATER CONNECTIONS.
- 55. DEAD-END WATER SERVICE FIRE MAINS SHALL NOT EXCEED 500 FEET IN LENGTH AND/OR HAVE MORE THAN FIVE FIRE DEPARTMENT APPLIANCES\* SHALL BE LOOPED AROUND THE SITE OR BUILDING AND HAVE A MINIMUM OF TWO POINTS OF WATER SUPPLY OR STREET CONNECTION. ZONE VALVES SHALL BE INSTALLED AS RECOMMENDED UNDER NFPA, PAMPHLET 24, CURRENT EDITION.

\*NOTE: FIRE DEPARTMENT APPLIANCES ARE CLASSIFIED AS SPRINKLER SYSTEM RISERS, FIRE HYDRANTS AND/OR STANDPIPES.

- 56. FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO CITY OF LIVERMORE PUBLIC WOKS STANDARD #W-1 IN SUCH A NUMBER AND LOCATION AS APPROVED BY THE FIRE CHIEF OR FIRE MARSHAL. FIRE HYDRANT LOCATIONS SHALL BE KNOWN ON THE PLANS SUBMITTED FOR A BUILDING PERMIT.
- 57. IN INDUSTRIAL AND COMMERCIAL DEVELOPMENTS, FIRE HYDRANTS SHALL BE INSTALLED AT SPACING NOT GREATER THAN 300 FEET. IN RESIDENTIAL DEVELOPMENT(S) HYDRANT SPACING SHALL BE AT 400 FEET.
- 58. ON SITE ACCESS WAYS AND INTERNAL DRIVES SHALL BE DESIGNATED AS FIRE LANES AND IDENTIFIED AS SUCH BY RED CURB STRIPING AND POSTED WITH SIGNS AT LOCATIONS APPROVED BY THE FIRE DEPARTMENT. SIGNS SHALL BE ACCORDING TO STATE STANDARDS AND READ "NO PARKING-FIRE LANE" AND MUST BE SHOWN ON THE PLANS. THE FOLLOWING SCHEDULE SHALL APPLY:

WIDTH

REQUIREMENTS

36 FEET OR GREATER

BETWEEN 28 AND 36 FEET

BETWEEN 20 AND 28 FEET

REQUIREMENTS

NO REQUIREMENTS

POST ONE SIDE

POST BOTH SIDES

WHERE FIRE DEPARTMENT VEHICLES ACCESS THROUGH OR AROUND A SITE INVOLVES CHANGES IN DIRECTION OR CURVES, MINIMUM-TURNING RADIUS SHOULD BE AS FOLLOWS. INSIDE RADIUS OF 45 FEET AND OUTSIDE RADIUS OF 55 FEET SHALL BE PROVIDED TO FACILITATE FIRE TRUCK TURNING RADIUS OR ENTRY AND EXIT FROM SITE.

- 59. DEAD-END ACCESS WAYS AND INTERNAL DRIVES SHALL NOT EXCEED 500 FEET IN LENGTH AND SHALL TERMINATE IN TURNAROUND NO LESS THAN 80 FEET IN DIAMETER OR HAMMER-HEAD (TEE). REFER TO PUBLIC WORKS STANDARD DETAIL #ST-1.
- 60. ADDRESS NUMBERS SHALL BE INSTALLED ON THE FRONT OR PRIMARY ENTRANCE FOR ALL BUILDINGS. MINIMUM BUILDING ADDRESS CHARACTER SIZE SHALL BE 12" HIGH BY 1-1/2" STROKE. WHERE MULTIPLE ACCESS IS PROVIDED, ADDRESS OR TENANT SPACE NUMBER SHALL BE PROVIDED ON EACH ACCESS AND/OR WAREHOUSE DOOR AND CHARACTER SIZE SHALL BE NO LESS THAN 6" HIGH BY 1" STROKE.
- 61. EXIT DOORS SHALL BE EQUIPPED WITH APPROVED PANIC HARDWARE AND IDENTIFIED BY APPROVED EXIT SIGNS, WHERE REQUIRED. SHOW LOCATION ON THE PLANS WITH LEGEND IDENTIFICATION.
- 62. RANGE HOLDS, DUCTS, GRILLS, AND FRYERS IN COMMERCIAL KITCHENS SHALL BE EQUIPPED WITH AN APPROVED AUTOMATIC WET CHEMICAL SYSTEM. TWO SETS OF PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW AND APPROVAL. SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC GAS AND ELECTRIC SHUT-OFF. THE LATEST EDITION OF NFPA, PAMPHLET 96 TITLED "STANDARD FOR INSTALLATION OF EQUIPMENT FOR REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT" SHALL BE CONSIDERED AS A GUIDE TO RECOMMEND GOOD PRACTICE. FIRE EXTINGUISHERS PROVIDED IN COMMERCIAL KITCHENS SHALL HAVE A 2A1B:C:K RATING. SHOW LOCATION OF FIRE EXTINGUISHERS ON PLANS. ALL SPECIALIZED FIRE PROTECTION SYSTEMS SHALL BE MONITORED FOR ACTIVATION/DISCHARGE AND SYSTEM STATUS TO A ULL LISTED CENTRAL STATION SERVICE
- 63. PORTABLE FIRE EXTINGUISHER(S) SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE 2007 CALIFORNIA FIRE CODE. MINIMUM APPROVED SIZE FOR ALL PORTABLE FIRE EXTINGUISHERS SHALL BE 2A 10B:C.
- 64. TEMPORARY OFFICE CONSTRUCTION/MODULAR BUILDINGS SHALL HAVE THE FOLLOWING REQUIREMENTS:
  - PROVIDE ONE 2A 10B:C FIRE EXTINGUISHER IN A READILY ACCESSIBLE LOCATION ADJACENT TO THE PRIMARY EXIT TO THE UNIT(S)/MODULAR(S). SHOW LOCATIONS ON PLANS
  - PROVIDE A MINIMUM OF ONE BATTERY OPERATED SMOKE DETECTOR. WHEN THE UNIT IS BROKEN UP INTO MULTIPLE SPACES SUCH AS OFFICE(S) AND STORAGE AREA(S), A SMOKE DETECTOR SHALL BE INSTALLED IN EACH AREA.
- 65. PROVIDE PLANNING DEPARTMENT SITE PLAN APPROVAL/CONDITIONAL USE PERMIT APPROVAL NUMBERS FOR THIS PROJECT.
- 66. THE DEVELOPER SHALL PROVIDE PRESSURE REDUCERS, PRESSURE REDUCTION VALVES (PRV'S), BACKFLOW PREVENTION DEVICES & APPURTENANCES ON THE POTABLE AND RECLAIMED WATER SERVICES AS DIRECTED BY THE CITY ENGINEER. ALL WATERLINE VALVES MUST NOTATE "EDPM" ON THE VALVE BODY.

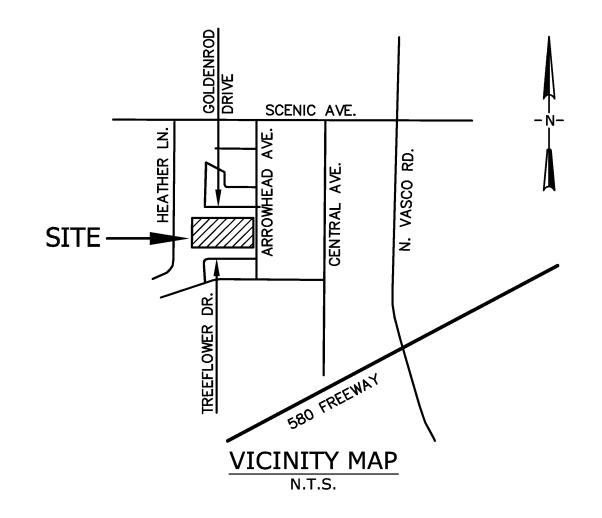
- 67. INDUSTRIAL AND COMMERCIAL DEVELOPMENT. THE FOLLOWING ITEMS WILL BE PROVIDED PRIOR TO ANY CONSTRUCTION ABOVE THE FOUNDATION OR SLAB. NOTE: PERIODIC INSPECTIONS WILL BE MADE FOR COMPLIANCE.
- A. EMERGENCY VEHICLE ACCESS SHALL BE PROVIDED TO THE SITE. IF PUBLIC WORKS IMPROVEMENTS ARE PART OF THE PROJECT TO ACCESS THE SITE, AN EMERGENCY VEHICLE ACCESS PLAN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- B. SITE ACCESS SHALL BE PROVIDED PRIOR TO ANY CONSTRUCTION ABOVE THE FOUNDATION OR SLAB. BASED ON THE SITE PLAN APPROVAL THE ACCESS SHALL BE INSTALLED
- C. WHERE MULTIPLE BUILDINGS ARE UNDER CONSTRUCTION, ACCESS SHALL BE PROVIDED AROUND ALL BUILDINGS AS SPECIFIED ON THE SITE PLAN APPROVAL OR EXHIBIT B.
- D. EMERGENCY VEHICLE ACCESS SHALL BE A MINIMUM OF 20 FEET IN WIDTH. A CLEAR HEIGHT FREE OF OBSTRUCTIONS (POWER, CABLE, TELEPHONE LINES, TREE LIMBS, ETC.) SHALL BE PROVIDED. THIS CLEARANCE SHALL BE A MINIMUM OF 13 FEET-6 INCHES.
- E. IF PERMANENT ACCESS OR SITE PAVING IS NOT PROVIDED, THE CARRYING CAPACITY OF THE EMERGENCY ACCESS SHALL BE 69,000 POUNDS UNDER ALL WEATHER CONDITIONS.
   F. SITE STAGING AREA(S) SHALL BE PROVIDED FOR MATERIALS AND EQUIPMENT. ALL
- F. SITE STAGING AREA(S) SHALL BE PROVIDED FOR MATERIALS AND EQUIPMENT. ALL STAGING AREAS SHALL BE OUTSIDE OF THE EMERGENCY VEHICLE ACCESS ROUTE SHOWN ON THE APPROVED PLANS.
- G. WHERE ON-SITE FIRE HYDRANT(S) ARE REQUIRED, THEY SHALL BE INSTALLED, FLUSHED AND ALL VALVES OPEN PRIOR TO ANY CONSTRUCTION ABOVE THE FOUNDATION OR SLAB. THIS INCLUDES CONCRETE TILT-UP AND MASONRY BUILDINGS. TEMPORARY ABOVE GROUND WATER STORAGE TANKS ARE NOT PERMITTED AS ALTERNATIVE WATER SUPPLY SOURCES FOR COMMERCIAL AND INDUSTRIAL DEVELOPMENT.
- H. ON-SITE FIRE HYDRANT(S) SHALL NOT BE OBSTRUCTED AND SHALL BE SUFFICIENTLY ABOVE GRADE TO HAVE ALL HYDRANT VALVES AND OUTLETS ACCESSIBLE FOR EMERGENCY USE.
- I. PRIOR TO REQUEST FOR FINAL INSPECTION, ALL ACCESS ROADS, ON-SITE ACCESS AND FIRE HYDRANTS SHALL BE PROVIDED. ALL FIRE HYDRANTS SHALL BE ACCEPTANCE INSPECTED AND TESTED TO APPLICABLE CITY PUBLIC WORKS STANDARDS.
- J. WHERE A PROJECT IS PHASED AS PART OF THE DEVELOPMENT APPROVED BY THE CITY, SPECIFIC ACCESS, WATER SUPPLY AND FIRE HYDRANT INSTALLATIONS SHALL BE REQUIRED AS PART OF EACH PHASE. AS NEEDED A PHASING PLAN WITH THESE IMPROVEMENTS WILL BE REQUIRED.
- K. ANY INDUSTRIAL/COMMERCIAL DEVELOPMENT WHERE RECYCLED WATER IS PROVIDED FOR FIRE PROTECTION SHALL MEET CITY WATER RESOURCES DIVISION INSTALLATION STANDARDS AND SHALL BE IN SERVICE PRIOR TO ANY CONSTRUCTION ABOVE THE SLAB OR FOUNDATION.
- L. WHERE ON-SITE GRADING/UTILITY PLANS ARE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO BUILDING CONSTRUCTION DRAWINGS, EMERGENCY VEHICLE ACCESS ROUTES, FIRE HYDRANT LOCATIONS, MATERIAL STAGING AREAS, ETC. SHALL BE PROVIDED.
- M. QUESTIONS SHALL BE DIRECTED TO THE FIRE PREVENTION BUREAU FIRE MARSHAL OR ASSISTANT FIRE MARSHAL AT (925) 454-2330.
- MEASURES AND HYDROGRAPH MODIFICATION MEASURES: IS REQUIRED PRIOR TO THE ISSUANCE OF FINAL OCCUPANCY, THE APPLICANT MUST EXECUTE AND RECORD WITH THE CITY AN "OPERATION AND MAINTENANCE AGREEMENT" FOR THE SITE'S PERMANENT STORMWATER TREATMENT MEASURES AND HYDROGRAPH MODIFICATION MEASURES.

68. AN OPERATION & MAINTENANCE AGREEMENT FOR SITE STORMWATER TREATMENT

- THE PLAN SHOULD INCLUDE AND/OR ADDRESS THE FOLLOWING AT A MINIMUM:

  A. IDENTIFY AND PROVIDE THE CONTACT INFORMATION FOR THE OWNER/PARTY WHO SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE SITE
- MEASURES.
  B. PROVIDE A DETAILED DESCRIPTION AND SCHEDULE OF THE MAINTENANCE
- ACTIVITIES TO BE PERFORMED.

  C. AN 11 X17 GENERAL SITE PLAN IDENTIFYING THE SPECIFIC STORMWATER TREATMENT MEASURES AND THEIR LOCATION.



SHEET INDEX	
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2.	SECTIONS and DETAILS
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4.	UTILITY PLAN
5.	ARROWHEAD AVENUE IMPROVEMENT PLAN
6.	STORM WATER CONTROL PLAN
7.	EROSION CONTROL PLAN / NOTES and DETAILS

CE-1

GENERAL NOTES
GRADING and DRAINAGE PLAN

HINDU COMMUNITY and CULTURAL CENTER 1232 ARROWHEAD AVENUE

**ALAMEDA COUNTY** 

CALIFORNIA

JAMES E. DIGGINS R.C.E. 27818 RENEWAL DATE: 03/31/12

DATE

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