GATEWAY VILLAGE

ON-SITE IMPROVEMENT PLANS 3700 EL CAMINO REAL

CITY OF SANTA CLARA, SANTA CLARA COUNTY, CALIFORNIA



PROJECT CONTACTS

OWNER/DEVELOPER:

SANTA CLARA SQUARE, LLC 1100 PARK PLACE, SUITE 200 SAN MATEO, CA 94403

CIVIL ENGINEER / SURVEYOR:

BKF ENGINEERS 1650 TECHNOLOGY DRIVE, SUITE 650 SAN JOSE, CA 95110

THE GUZZARDO PARTNERSHIP INC.

ARCHITECT:

BDE ARCHITECTURE 950 HOWARD STREET SAN FRANCISCO, CA 94103 CONTACT: MEGAN AASEN

PHONE: (415) 677-0966

CONTACT: PATRICK CHAN PHONE: (408) 467-9100

LANDSCAPE ARCHITECT:

GEOTECHNICAL ENGINEER:

181 GREENWICH STREET SAN FRANCISCO, CA 94111 CONTACT: COLIN BLY

PHONE: (415) 433-4672

332 PINE STREET, SUITE 300 SAN FRANCISCO, CA 94104 CONTACT: PAUL GUERIN PHONE: (415)284-9900

ADDDEVIATIONS

<u>ABBREVIATIONS</u>			
<u>SYMBOL</u>	DESCRIPTION		
AC	ASPHALTIC CONCRETE		
AD BFP	AREA DRAIN BACK FLOW PREVENTER		
BLDG	BUILDING		
BW CB	BOTTOM OF WALL CATCH BASIN		
CO CONC	CLEANOUT CONCRETE		
C&G	CURB AND GUTTER		
DCDA DI	DOUBLE CHECK DETECTOR ASSEMBLY DROP INLET		
DWY	DRIVEWAY		
E, ELEC EX, EXIST	ELECTRIC EXISTING		
EASE	EASEMENT		
EB ECC	ELECTRIC BOX EXTRUDED CONCRETE CURB		
EG EL ELEV	EXISTING GROUND		
EL, ELEV EP	ELEVATION EDGE OF PAVEMENT		
EVAE FC	EMERGENCY VEHICLE ACCESS EASEMENT FACE OF CURB		
FDC	FIRE DEPARTMENT CONNECTION		
FF FG	FINISH FLOOR FINISH GRADE		
FH	FIRE HYDRANT		
FL FM	FLOW LINE FORCE MAIN		
FW	FIRE WATER		
GB GR	GRADE BREAK GRATE ELEVATION		
HC HD	HANDICAP RAMP TOP OF HEADER		
HDPE	HIGH DENSITY POLYETHYLENE		
HP IEE	HIGH POINT INGRESS/EGRESS EASEMENT		
INV	INVERT		
IRR JP	IRRIGATION JOINT POLE		
JT	JOINT TRENCH		
L LF	LENGTH LINEAR FOOT		
LG LP	LIP OF GUTTER		
LS	LOW POINT LANDSCAPE		
MAX MIN	MAXIMUM MINIMUM		
MH	MANHOLE		
N.T.S. OH	NOT TO SCALE OVERHEAD		
PAE PCL	PUBLIC ACCESS EASEMENT		
PL	PARCEL PROPERTY LINE		
POC PR	POINT OF CONNECTION PROPOSED		
PSDE	PRIVATE STORM DRAIN EASEMENT		
PUE PVC	PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE PIPE		
R RCP	RADIUS		
RIM	REINFORCED CONCRETE PIPE RIM ELEVATION		
RW S	RIGHT OF WAY		
SAD	SLOPE SEE ARCHITECTURAL DRAWINGS		
SD SDR	STORM DRAIN STANDARD DIMENSION RATIO		
SF	SQUARE FOOT		
SL SLD	STREET LIGHT SEE LANDSCAPE DRAWINGS		
SS STA	SANITARY SEWER		
STD	STATION STANDARD		
SW TC	SIDEWALK TOP OF CURB		
TCC	TOP OF CRENULATED CURB		
TEL T, TRANS	TELEPHONE TRANSFORMER		
TP	TOP OF PAVEMENT		
TTC TW	THEORETICAL TOP OF CURB TOP OF WALL		
TYP	TYPICAL		



LEGEND

	PROPOSED	<u>EXISTING</u>
C3 BASINS		
LOT LINE		
EASEMENT LINE		
CENTERLINE LINE		
CONTOUR LINE		26
STORM DRAIN MAIN	15" SD	15" SD
SANITARY SEWER MAIN	8" SS	8" SS
WATER MAIN	<u>8"_W</u>	8"_W
JOINT TRENCH	JT	JT
DROP INLET		
FIRE HYDRANT	+ ●+ FH	***
PLANTER DRAIN	⊜ AD	
FIRE DEPARTMENT CONNECTION	♣ FDC	
DOUBLE CHECK DETECTOR ASSEMB	LY DCDA	
SANITARY SEWER MANHOLE	SSMH	SSMH
STORM DRAIN MANHOLE	SDMH	SDMH
SPOT ELEVATION	X 101	X 101
STREET LIGHT/LUMINAIRE	─	
TRAFFIC SIGN		
PAD-MOUNT TRANSFORMER		
WATER VALVE	WV€	\bowtie

PROJECT BENCHMARK

TYPICAL UTILITY BOX

WATER METER WATER VALVE

CITY OF SANTA CLARA BENCHMARK #E-15 ELEV. =95.82' (2009 ADJUSTMENT) FOUND ON THE SE CORNER OF THE EL CAMINO REAL & LAWRENCE EXPY INTERSETION, CHISELED SQUARE ON TOP OF CURB AT CATCH BASIN

BASIS OF BEARINGS

TAKEN AS SO0°39'51"E OF THE CENTERLINE OF HALFORD AVENUE (FOMERLY SWAN LANE) BETWEEN FOUND MONUMENTS AS SHOWN ON RECORD OF SURVEY FILED FOR RECORD IN BOOK 220 AT PAGE 30, SANTA CLARA COUNTY RECORDS.

FLOOD ZONE

FEMA DESIGNATED FLOOD ZONE; FLOOD ZONE "X"; AREAS OUTSIDE 0.2% ANNUAL CHANCE FLOOD PLAIN PER FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 06085 C 0226 H DATED MAY 18, 2009.

CIVIL SHEET INDEX:

C1.0 CIVIL TITLE SHEET CONSTRUCTION NOTES C2.0 PARCEL MAP EXISTING CONDITIONS C4.0 SITE PLAN & HORIZONTAL CONTROL GRADING AND DRAINAGE PLAN 12-15 C5.0 16-19 C6.0 COMPOSITE UTILITY PLAN C7.0 STORM WATER CONTROL PLAN C8.0 EROSION CONTROL PLAN C8.1 EROSION CONTROL DETAILS BEST MANAGEMENT PRACTICES C8.3

C9.0 CROSS SECTIONS

25-26 C10.0 CONSTRUCTION DETAILS

GEOTECHNICAL ENGINEER'S CERTIFICATE

THE GEOTECHNICAL ASPECTS OF THESE PLANS HAVE BEEN PREPARED IN GENERAL CONFORMANCE WITH THE RECOMMENDATIONS OF THE REPORT TITLED, "GEOTECHNICAL EXPLORATION, GATEWAY VILLAGE, SANTA CLARA, CA", DATED JUNE 24, 2013, BY ENGEO, INC. (PROJECT NO. 9683.000.000).

ENGINEER'S STATEMENT

THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.



CITY OF SANTA CLARA APPROVED BY PLANNING, ENGINEERING, TRANSPORTATION AND PUBLIC WORKS ■ NO EXCEPTION TAKEN MAKE CORRECTIONS AS NOTED REVISE AND RESUBMIT SUBMIT SPECIFIED ITEM

950 HOWARD STREET SAN FRANCISCO P. (415)677-0966

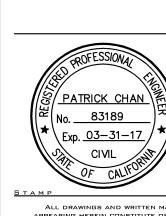
SANTA CLARA SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700



REFERENCE ONLY

SCHEMATIC DESIGN10/23/15 100% DD CD SET 1 CONCRETE SUBMITTAL 2/22/15 CD SET 2 CD SET 3 CONCRETE RESUBMITTAL



CIVIL TITLE

SHEET

PROJECT NO. 20126113 DRAWN BY SHEET SIZE: 30 x 42

SHEET TITLE

GENERAL NOTES

- 1. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR/OWNER OF THE RESPONSIBILITY FOR THE CORRECTION OF MISTAKES, ERRORS OR OMISSIONS.
- BEST MANAGEMENT PRACTICES HANDBOOK FOR APPLICABLE CONTROL MEASURES AND EMPLOY ITS PROVISIONS THROUGHOUT ALL CONSTRUCTION.

 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS

2. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE STATE OF CALIFORNIA

- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE IMPROVEMENTS IN THESE PLANS FROM THE APPROPRIATE AGENCIES AND TO COMPLY WITH THE AGENCIES' REQUIREMENTS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL LAWS.
- 4. WHEN IT IS FOUND THAT FIELD CONDITIONS ARE NOT AS SHOWN ON THE PLANS, THE CONSULTING ENGINEER MUST MAKE REVISIONS AND/OR ADJUSTMENTS TO THE SATISFACTION OF THE CITY ENGINEER/OWNER PRIOR TO FURTHER CONSTRUCTION.
- 5. CONTRACTOR SHALL CAREFULLY PRESERVE THE SURROUNDING PROPERTY BY CONFINING OPERATION WITHIN THE LIMITS OF WORK AREA. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE CITY ENGINEER/OWNER.
- 6. A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES CONSTRUCTION PERMIT) IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY RELATED TO THIS SITE AND SHALL BE OBTAINED BY THE OWNER/CONTRACTOR AS APPROPRIATE. ANY DISCHARGE (DURING CONSTRUCTION) OF GROUNDWATER INTO THE DOWNSTREAM STORM DRAIN OR SANITARY SEWER SYSTEM SHALL REQUIRE APPROVAL/PERMIT FROM THE CITY OF SUNNYVALE. THE CONTRACTOR SHALL TEST THE GROUNDWATER FOR CONTAMINATES AND PRESENT THE RESULTS TO THE CITY FOR REVIEW BEFORE DISCHARGING INTO CITY SYSTEM.
- 7. CONSTRUCTION AND STAGING PLANS TO BE SUBMITTED TO CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 8. ALL STANDARD STREET MONUMENTS, LOT CORNER PIPES, AND OTHER PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED AND A RECORD OF SURVEY OR CORNER RECORD PER SECTION 8771 OF THE PROFESSIONAL LAND SURVEYORS ACT FILED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY OF SUNNYVALE. COPIES OF ANY RECORD OF SURVEY OR CORNER RECORDS SHALL BE SUBMITTED TO THE CITY.
- 9. CONTRACTOR SHALL KEEP UP-TO-DATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT LOCATION, SIZES, MATERIALS AND EQUIPMENT. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- 10. PROVIDE ACCESS AT ALL TIMES TO ALL ABUTTING PROPERTIES, EXCEPT AS APPROVED BY THE INSPECTOR. 48 HOURS WRITTEN NOTICE MUST BE GIVEN TO THE AFFECTED PROPERTY OWNER(S) WHEN ACCESS IS AFFECTED. TRENCHES SHALL BE BACKFILLED AND PAVED (TEMPORARY CUTBACK ASPHALT) PRIOR TO LEAVING THE JOB SITE EACH WORKDAY. THE INSPECTOR MAY APPROVE STEEL PLATING AT HIS DISCRETION.
- 11. CONTRACTOR IS 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.
- 12. ALL CONSTRUCTION MATERIALS, EQUIPMENT, AND DEBRIS ARE PROHIBITED FROM BEING STORED IN THE PUBLIC RIGHT OF WAY. LANE CLOSURES FOR PARKING, STORAGE OF MATERIALS AND/OR EQUIPMENT, OR STOCKPILING WILL NOT BE PERMITTED.
- 13. THE CONTRACTOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE CONSTRUCTION SAFETY ORDERS OF THE STATE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH PERTAINING TO EXCAVATION AND TRENCHES PER SECTION 306 OF THE STANDARD PROVISIONS. FOR DEEP TRENCHES, THE CONTRACTOR SHALL SUBMIT TO THE CITY A COPY OF THEIR ANNUAL OR SINGLE PROJECT PERMIT FOR TRENCH AND EXCAVATIONS FROM THE STATE DEPARTMENT OF INDUSTRIAL RELATIONS DIVISION OF OCCUPATIONAL SAFETY AND HEALTH.
- 14. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION AND ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE IN SUCH A MANNER THAT IT WILL CONTAIN DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK PER SECTION 7—8 OF THE STANDARD PROVISIONS. THE CONTRACTOR SHALL PERFORM SUCH TREATMENT WITHIN 2 HOURS AFTER NOTIFICATION BY THE CITY THAT AN AIRBORNE NUISANCE EXISTS.
- 15. SIDEWALK AND/OR WALKWAY AREAS TO REMAIN FREE AND CLEAR OF ANY OBSTRUCTIONS AND TO ALLOW FOR THE SAFE PASSAGE OF THE GENERAL PUBLIC. ANY CONSTRUCTION FENCING SHALL BE BEHIND THE PROPERTY LINE. ALL CONSTRUCTION—RELATED DEBRIS TO BE PLACED ON PRIVATE PROPERTY.
- 16. ALL ON-SITE GRADING AND PAVING SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN PREPARED BY ENGEO, INC., DATED DECEMBER 26, 2012, AND TO THE CITY STANDARD PLANS AND SPECIFICATIONS, AS APPLICABLE.

UTILITY NOTES

- 1. NEW WATER PIPELINES, VALVES, AND FITTINGS SHALL BE STERILIZED, TESTED BY THE CONTRACTOR, AND SHALL PASS BACTERIA AND OTHER WATER QUALITY REQUIREMENTS BEFORE BEING PUT INTO SERVICE. CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO DISINFECT THE PIPELINES AND APPURTENANCES. THE DISINFECTANT SHALL REMAIN IN CONTACT WITH THE WATER FOR A MINIMUM OF 24 HOURS BEFORE FLUSHING. BACTERIOLOGICAL TESTING SHALL BE CONDUCTED NO LESS THAN 24 HOURS AFTER FLUSHING. DISINFECTION WILL BE WITNESSED BY THE INSPECTOR. CHLORINE TABLETS (E.G., HTH) SHALL BE FASTENED TO THE TOP OF THE PIPE WITH TAR OR PERMATEX #2 ACCORDING TO THE CITY'S SCHEDULE. WATER MAIN DISINFECTING AND FLUSHING SHALL BE PER SECTION 306 OF THE CITY SPECIFICATIONS.
- 2. JOINT TRENCH LINES AND APPURTENANCES ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL REFERENCE JOINT TRENCH PLANS FOR INSTALLATION OF THESE FACILITIES.
- 3. CONTRACTOR SHALL STENCIL ALL CATCH BASINS WITH THE NON-POINT-SOURCE "NO DUMPING" MESSAGE. THE STENCIL IS AVAILABLE FROM THE CITY'S ENVIRONMENTAL DIVISION, WHICH MAY BE REACHED BY CALLING (408) 730-7260.
- 4. IN THE EVENT OF WET UNSTABLE TRENCH BOTTOM OR IF GROUND WATER IS ENCOUNTERED, DEWATERING WILL BE REQUIRED. CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER FOR DEWATERING RECOMMENDATIONS.
- 5. THE EXISTING UTILITIES CROSSING THE NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THAT TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITY CROSSINGS (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
- 6. ALL UTILITY STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, CATCH BASINS, WATER VALVES, FIRE HYDRANTS, CABLE TV, TELEPHONE AND ELECTRIC VAULTS AND PULL BOXES ETC. THAT LIE WITHIN THE PUBLIC RIGHT OF WAY, EASEMENTS OR AREAS AFFECTED BY THE WORK ON THE PROJECT SHALL BE ADJUSTED TO GRADE BY THE CONTRACTOR OF THE RESPECTIVE UTILITY COMPANY FOR WHICH THE CONTRACTOR IS RESPONSIBLE TO COORDINATE.
- 7. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH THE "CITY OF SUNNYVALE WATER SYSTEM CROSS CONNECTION CONTROL PROGRAM POLICIES AND REGULATIONS." A BACKFLOW PREVENTION ASSEMBLY SHALL CONSIST OF 2 CHECK VALVES AND A PRESSURE RELIEF VALVE CONNECTED IN SERIES WITH 2 NON-RISING STEM GATE VALVES. BACKFLOW PREVENTION ASSEMBLIES SHALL BE THE SAME SIZE AS THE PIPE MAIN IN WHICH THEY ARE INSTALLED. THE ASSEMBLY SHALL BE UL LISTED AND APPROVED BY THE RESEARCH FOUNDATION FOR CROSS—CONNECTION CONTROL, UNIVERSITY OF SOUTHERN CALIFORNIA. DEVICES MUST BE PAINTED WITH 2 COATS OF BLACK UV WEATHER RESISTANT PAINT (RUSTOLEUM, ETC.). THE FDC AND STANDPIPE OF THE DOUBLE DETECTOR CHECK VALVE ASSEMBLY FOR FIRE SERVICES MUST BE PAINTED WITH TWO COATS OF SAFETY YELLOW (RUSTOLEUM, ETC.). MASTIG ALL BOLTS/NUTS OR USE STAINLESS STEEL COMPONENTS.
- 8. ON—SITE PVC SANITARY AND STORM PIPE & FITTINGS SHALL CONFORM TO ASTM D—3034 AND F—679, SDR 35 PVC GRAVITY SEWER PIPE, AS MANUFACTURED BY JM PIPE. OR APPROVED EQUAL. SANITARY SEWER LATERALS SHALL BE A MINIMUM OF 1' BELOW WATER LATERALS, UNLESS OTHERWISE NOTED. SEWER LINE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MOST CURRENT BUILDING
- 9. ON SITE SANITARY SEWER PIPE AND FITTINGS SHALL BE SDR26. LATERALS SHALL BE A MINIMUM OF 1' BELOW WATER LATERALS.
- 10. CONTRACTOR SHALL COORDINATE UTILITY INFORMATION SHOWN ON THE PLANS WITH INSTALLATION OF PG&E, CABLE, TELEPHONE AND/OR JOINT TRENCH LAYOUT AND DETAILS.
- 11. THE METER AND METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CITY UPON ACCEPTANCE OF THE LATERAL SERVICE LINE, AND THE PROPERTY OWNER HAS ASSUMED RESPONSIBILITY FOR THE CONNECTION ON THE DISCHARGE SIDE OF THE METER. A BACKFLOW PREVENTION DEVICE IS REQUIRED FOR ALL SERVICES 2" AND LARGER. NO METER SHALL BE INSTALLED PRIOR TO FULL COMPLIANCE WITH THE CROSS—CONNECTION CONTROL PROGRAM.
- 12. WATER PRESSURE TEST SHALL BE PERFORMED PER SECTION 306 OF THE CITY SPECIFICATION.
- 13. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS DOWNSTREAM, CONTRACTOR SHALL PROCEED AT CONTRACTOR'S OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH OWNER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY CROSSINGS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND/OR UNCOVER AND EXPOSE EXISTING UTILITIES AT CROSSING LOCATIONS. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND SERVICE LATERALS FROM DAMAGE DUE TO CONTRACTOR'S OPERATIONS. ANY AND ALL UTILITY SERVICE LATERALS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
- 15. IT IS THE CONTACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE AGENCIES.
- 16. ALL EXISTING WATER VALVES SHALL BE OPERATED ONLY BY THE CITY. THIS INCLUDES THAT OPERATION OF VALVES REQUIRED TO PERMIT THE FILLING OF THE SYSTEM INSTALLED BY THE CONTRACTOR.
- 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AFFECTED RESIDENTS AND BUSINESSES 48 HOURS PRIOR TO THE START OF A WATER MAIN SHUTDOWN. THE WATER MAIN SHUTDOWN WILL BE COMPLETED BY CITY CREWS ONLY.
- 18. ON—SITE PERFORATED PIPE AND FITTINGS SHALL BE SOLVENT WELD PVC SDR 35 GRAVITY SEWER PIPE CONFORMING TO ASTM D3034, AS MANUFACTURED BY PACIFIC PLASTICS OR APPROVED EQUAL.

GRADING AND SURFACE IMPROVEMENT NOTES

- 1. ASPHALT CONCRETE SHALL CONFORM TO TYPE B GRADE PG-64, 3/4" MAXIMUM, MEDIUM GRADING, PER SECTION 39 OF THE STATE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- LAMPBLACK SHALL BE ADDED AT THE RATE OF 1 PINT (POWDER) PER CUBIC YARD FOR ON SITE CURBS, GUTTERS, SIDEWALK, WALKWAY, DRIVEWAY APPROACHES, OR STRESS PAD.
- 3. AGGREGATE BASE SHALL CONFORM TO CLASS 2 AGGREGATE BASE, 3/4"
 MAXIMUM, MEDIUM GRADATION PER SECTION 26 OF THE STATE STANDARD
 SPECIFICATIONS, AND SHALL HAVE A MINIMUM COMPACTION OF 95% RELATIVE
 UNDER ASPHALTIC CONCRETE PAVING AND A MINIMUM COMPACTION OF 90%
 RELATIVE UNDER SIDEWALK AREAS.
- 4. CURB AND GUTTER SUBGRADE TOP 6 INCHES SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
- 5. PORTLAND CEMENT CONCRETE SHALL CONFORM TO CLASS A, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- 6. PAVEMENT EXCAVATION SHALL INCLUDE REMOVAL AND DISPOSAL OF EXISTING A.C. PAVEMENT AND PCC CURB REQUIRED FOR THE CONSTRUCTION OF NEW SURFACE IMPROVEMENTS. THE CONTRACTOR SHALL SAW—CUT EXISTING PAVEMENT AT LOCATIONS AS SHOWN ON THE PLANS PRIOR TO REMOVAL OF EXISTING PAVEMENT. ALL EXCAVATED MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN AN AREA PROVIDED BY THE CONTRACTOR.
- 7. CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION AS INDICATED.

HORIZONTAL VERTICAL COMPACTION PAVEMENT SUBGRADE 0.1± +0.1' TO -0.1' 95%

- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE—TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE OWNER.
- 8. NON-CRYSTALLIZING TYPE WEED KILLER SHALL BE SPREAD OVER THE AGGREGATE BASE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 9. PRIME COAT OF SC-70 LIQUID ASPHALT CONFORMING TO THE PROVISIONS OF THE GREENBOOK SPECIFICATIONS SHALL BE APPLIED AT THE RATE OF 0.15 TO 0.25± GALLONS PER SQUARE YARD TO SURFACE OF AGGREGATE BASE PRIOR TO PLACEMENT OF NEW ASPHALT CONCRETE.
- 10. PRIOR TO STARTING CONSTRUCTION, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE SUBMITTED TO THE CITY PUBLIC WORKS AND BUILDING DEPARTMENTS. REFERENCE IS MADE TO THE STATE OF CALIFORNIA BEST MANAGEMENT PRACTICES HANDBOOK FOR APPLICABLE CONTROL MEASURES. CONTRACTOR SHALL BE FAMILIAR WITH THE SWPPP AND BE RESPONSIBLE FOR IMPLEMENTING ITS PROVISIONS THROUGHOUT ALL CONSTRUCTION PHASES.
- 11. A DEEPENED CURB EXTENDING 4" MIN. BELOW PAVEMENT SUBGRADE SHALL BE INSTALLED BEHIND ALL NEW CURB/CURB & GUTTER, WHERE ADJACENT TO
- 12. MANHOLES, WATER VALVE BOXES, CLEAN OUT FRAMES AND COVERS SHALL BE BROUGHT TO FINISHED GRADE BY THE CONTRACTOR AFTER PAVING IS COMPLETED.
- 13. GRADE BREAKS ON CURBS AND SIDEWALKS TO BE ROUNDED OFF (WHILE CONCRETE FINISHING WORK IS IN PROGRESS) IN FORM WORK AND FINISHED SURFACING
- 14. POSITIVE SURFACE GRADIENTS OF AT LEAST 2% MUST BE PROVIDED ADJACENT TO FOUNDATIONS IN ORDER TO DIRECT SURFACE WATER TOWARD COLLECTION AND DISCHARGE FACILITIES
- 15. CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL INVESTIGATION AND THE PROPOSED SURFACE THICKNESS AND BASE THE BID ACCORDINGLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM IF A SEPARATE DEMOLITION CONTRACT HAS BEEN ISSUED TO TAKE THE SITE FROM THE WAY IT IS AT THE TIME OF THE BID TO THE CONDITIONS DESCRIBED IN THESE DOCUMENTS. ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS SHOULD BE NOTED TO THE ENGINEER/ARCHITECT.
- 16. ALL FILL SHALL BE COMPACTED PER THE GEOTECHNICAL REPORT AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE OWNERS TESTING AGENCY TO TAKE THE APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
- 17. IMPORT SOILS SHOULD MEET THE REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.
- 18. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.

SUBSURFACE NOTES

- 1. STRUCTURAL FILL WITHIN 5.0' OF ROUGH GRADE SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION. THE UPPER 6" OF SUBGRADE SOILS BENEATH PAVEMENTS SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
- 2. FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LIFTS NOT TO EXCEED 8" IN UNCOMPACTED THICKNESS.
- 3. ON—SITE TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION. IN PAVEMENT AREAS THE UPPER 6" OF TRENCH BACKFILL SHALL BE COMPACTED TO 95% RELAVTIVE COMPACTION.
- 4. DRAINAGE BEHIND WALLS AND ABOVE GROUND WATER SHALL UTILIZE 1/2" TO 3/4" CRUSH WRAPPED IN FILTER FABRIC. DRAINAGE PANELS MAY BE UTILIZED IN LIEU OF GRAVEL DRAIN ROCK.

LEGAL RELATIONS AND RESPONSIBILITY

- ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA AND SHALL HAVE AND MAINTAIN A VALID CITY BUSINESS LICENSE, PER SECTION 2 OF THE STANDARD PROVISIONS.
- . THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL PERMITS, LICENSES OR OTHER AUTHORIZATIONS APPLICABLE TO THE WORK WITH RESPECT TO THE ENVIRONMENTAL QUALITY ACT.
- 3. ALL WORK SHALL BE CONDUCTED IN A MANNER WHICH PREVENTS THE RELEASE OF HAZARDOUS MATERIALS OR HAZARDOUS WASTE TO THE SOIL OR GROUNDWATER, AND MINIMIZES THE DISCHARGE OF HAZARDOUS MATERIALS, HAZARDOUS WASTES, POLLUTED WATER AND SEDIMENTS TO THE STORM DRAIN SYSTEM PER SECTION 7-8 AND 7-10 OF THE STANDARD PROVISIONS.
- 4. TO REDUCE POTENTIAL NOISE NUISANCE TO SURROUNDING PROPERTY OWNERS, THE FOLLOWING ACTIONS SHALL BE TAKEN:
 A. CONSTRUCTION CONTRACTORS SHALL MUFFLE AND SHIELD INTAKES AND EXHAUSTS, SHROUD OR SHIELD IMPACT TOOLS, AND USE ELECTRIC—POWERED CONSTRUCTION EQUIPMENT (AS FEASIBLE).
 B. ALL STATIONARY NOISE—GENERATING EQUIPMENT SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM NEIGHBORING PROPERTY LINES.
 C. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND OPERATED ACCORDING TO MANUFACTURER'S MAINTENANCE SCHEDULES AND RECOMMENDATIONS TO MINIMIZE NOISE AND EXHAUST EMMISIONS (PARTICULARLY)

FIRE PREVENTION NOTES

- THE ONSITE FIRE HYDRANTS SHALL BE FLUSHED AND PLACED IN SERVICE PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ON SITE.
- 2. THE FIRE LANE SHALL BE INSTALLED AND MAINTAINED PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ON SITE.

NOTIFICATION

NITROGEN EXIDES).

- 1. IF ANY DAMAGE OCCURS TO AN UNDERGROUND FACILITY THAT RESULTS IN THE ESCAPE OF ANY FLAMMABLE, TOXIC OR CORROSIVE GAS OR LIQUID OR ENDANGERS LIFE, HEALTH, OR PROPERTY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND CALL THE 911 EMERGENCY TELEPHONE NUMBER TO NOTIFY LOCAL PUBLIC SAFETY OFFICIALS.
- 2. THE CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER OF THE AUTHORIZED REPRESENTATIVE (SUPERINTENDENT) OF THE WORK TO THE CITY IN WRITING PRIOR TO THE START OF WORK PER SECTION 7–6 OF THE STANDARD PROVISIONS. PUBLIC WORKS: TELE. (408) 730–7415 AND FAX (408) 730–7286.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800)642-2444 AT LEAST TWO WORKING DAYS BUT NOT MORE THAN 14 DAYS PRIOR TO COMMENCING EXCAVATION WORK TO VERIFY EXISTING UNDERGROUND UTILITIES PER SECTION 5-1 OF THE STANDARD PROVISIONS AND CHAPTER 3.1, DIVISION 5, TITLE 1 OF THE GOVERNMENT CODE.



SAN FRANCISCO CA 94103 P. (415)677-0966

ARCHITECTURE

SANTA CLARA SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700



LWV *GATEWAY VILLAGE*3700 EL CAMINO REAI

SHEET TITLE

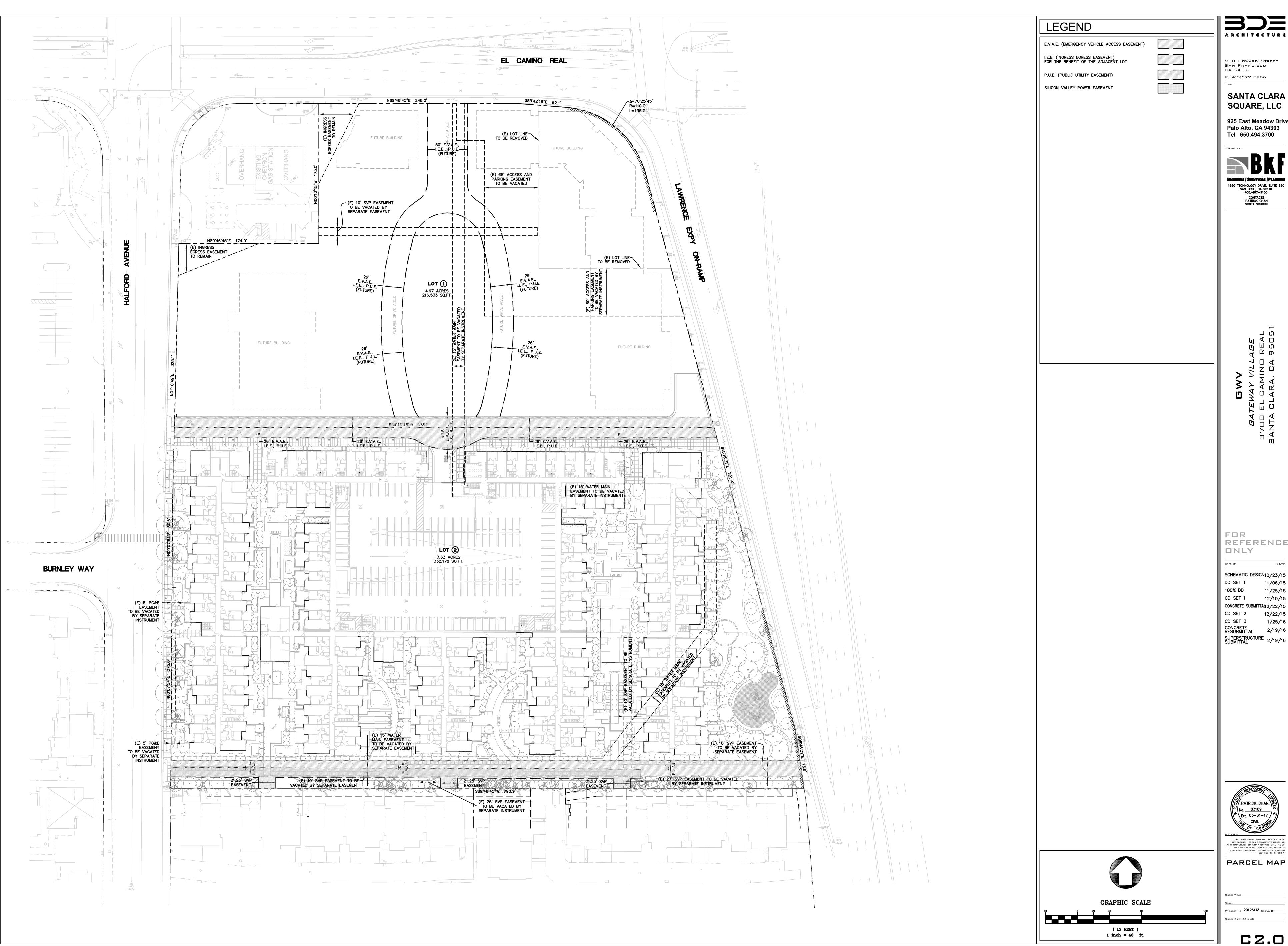
DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER

CONSTRUCTION

SHEET SIZE: 30 x 42

PROJECT NO. 20126113 DRAWN BY

C1.1



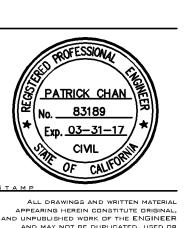
ARCHITECTURE

950 HOWARD STREET San Francisco P.(415)677-0966

SANTA CLARA SQUARE, LLC

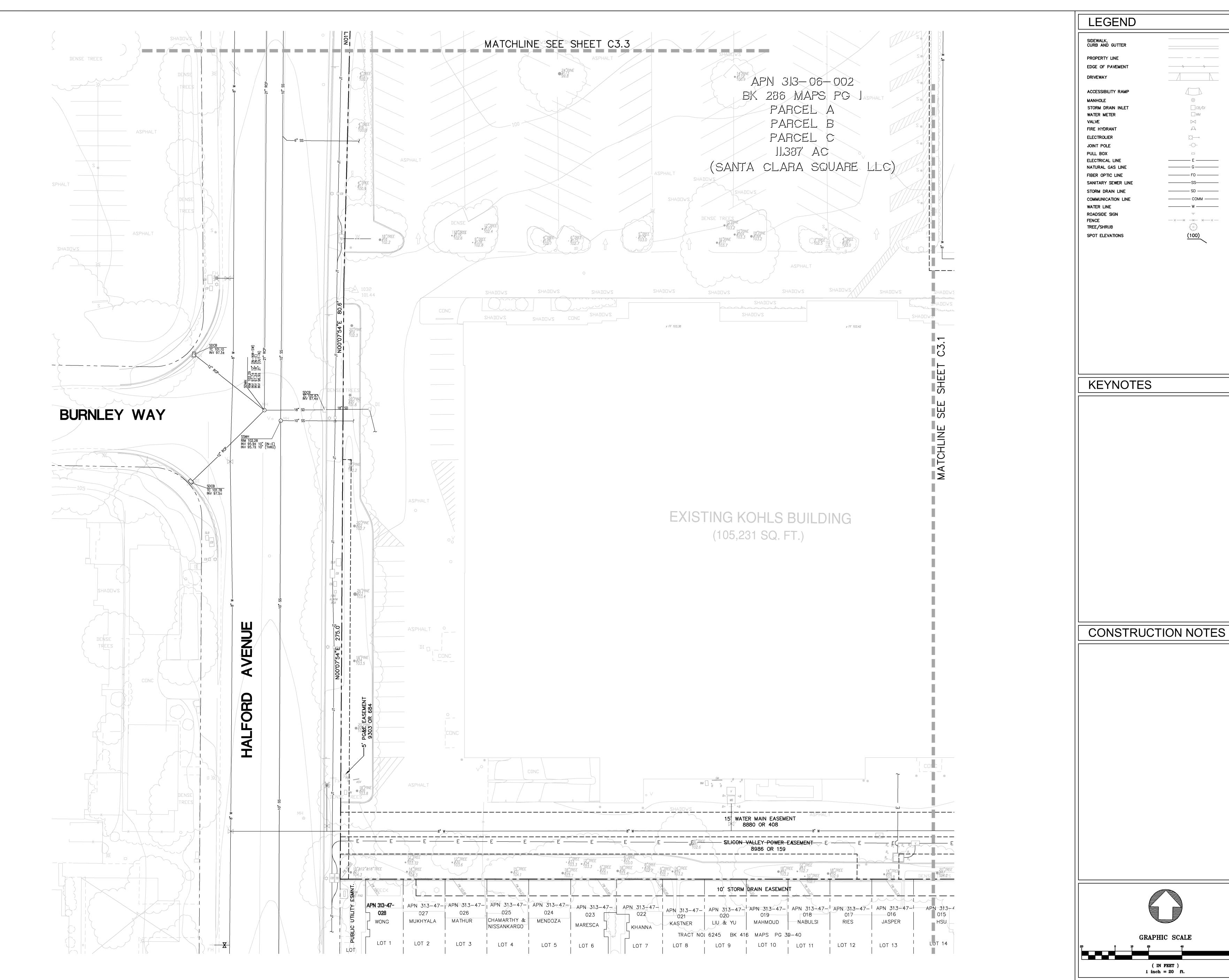
925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

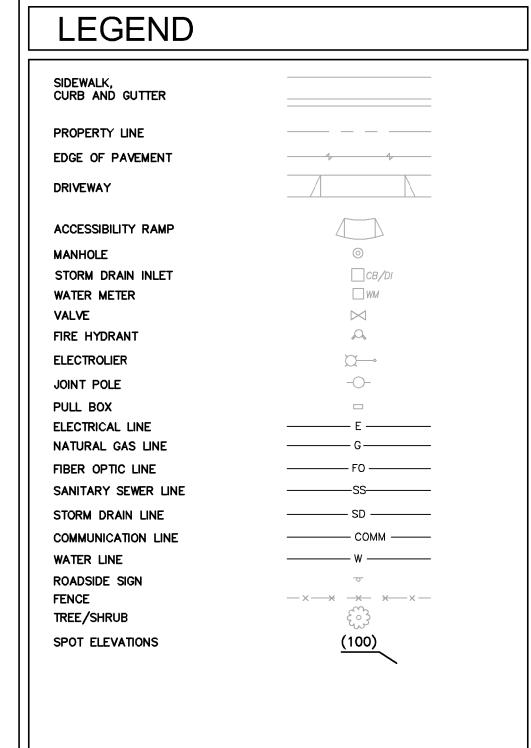
2/19/16 SUPERSTRUCTURE 2/19/16



ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

PARCEL MAP





KEYNOTES

REFERENCE

1/25/16 2/19/16

SUPERSTRUCTURE 2/19/16

ARCHITECTURE

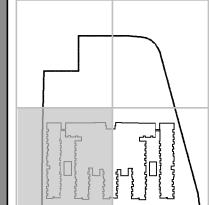
950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

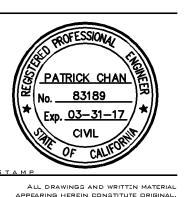
SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

P.(415)677-0966



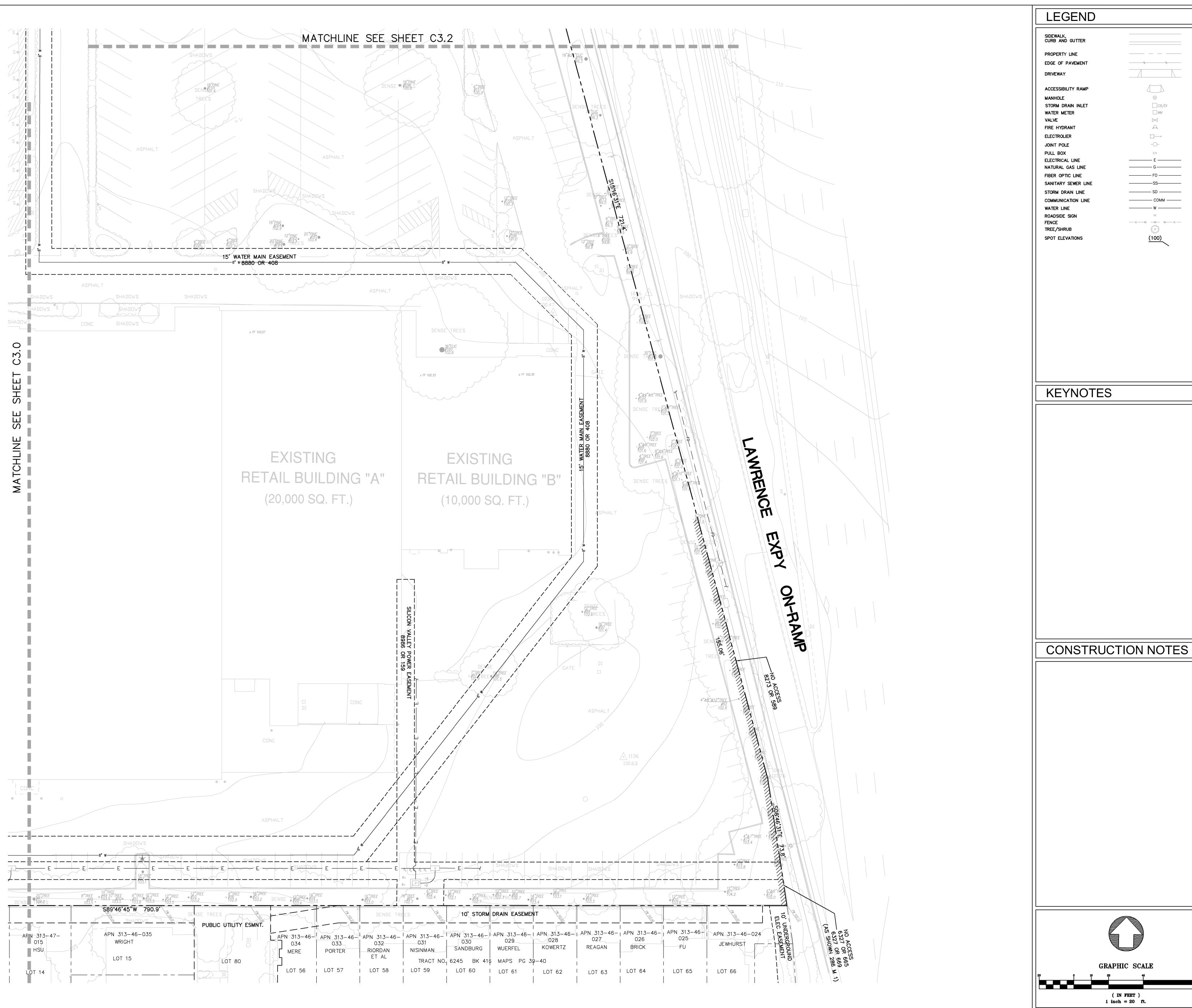
KEY MAP

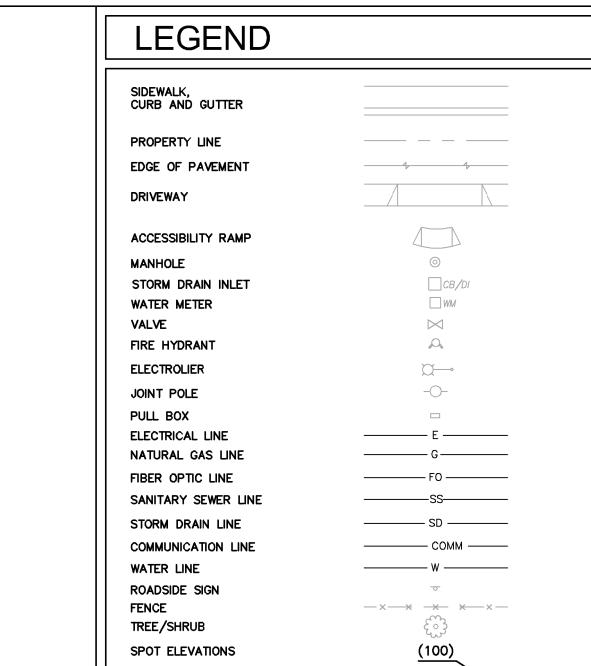


EXISTING CONDITIONS

C3.0

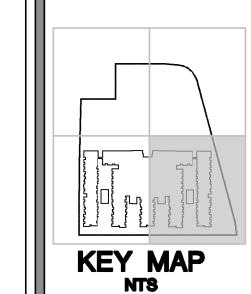
1 inch = 20 ft.





KEYNOTES

1 inch = 20 ft.



REFERENCE

CONCRETE 2/19/16

SUPERSTRUCTURE 2/19/16

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

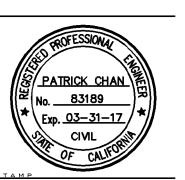
925 East Meadow Drive Palo Alto, CA 94303

SQUARE, LLC

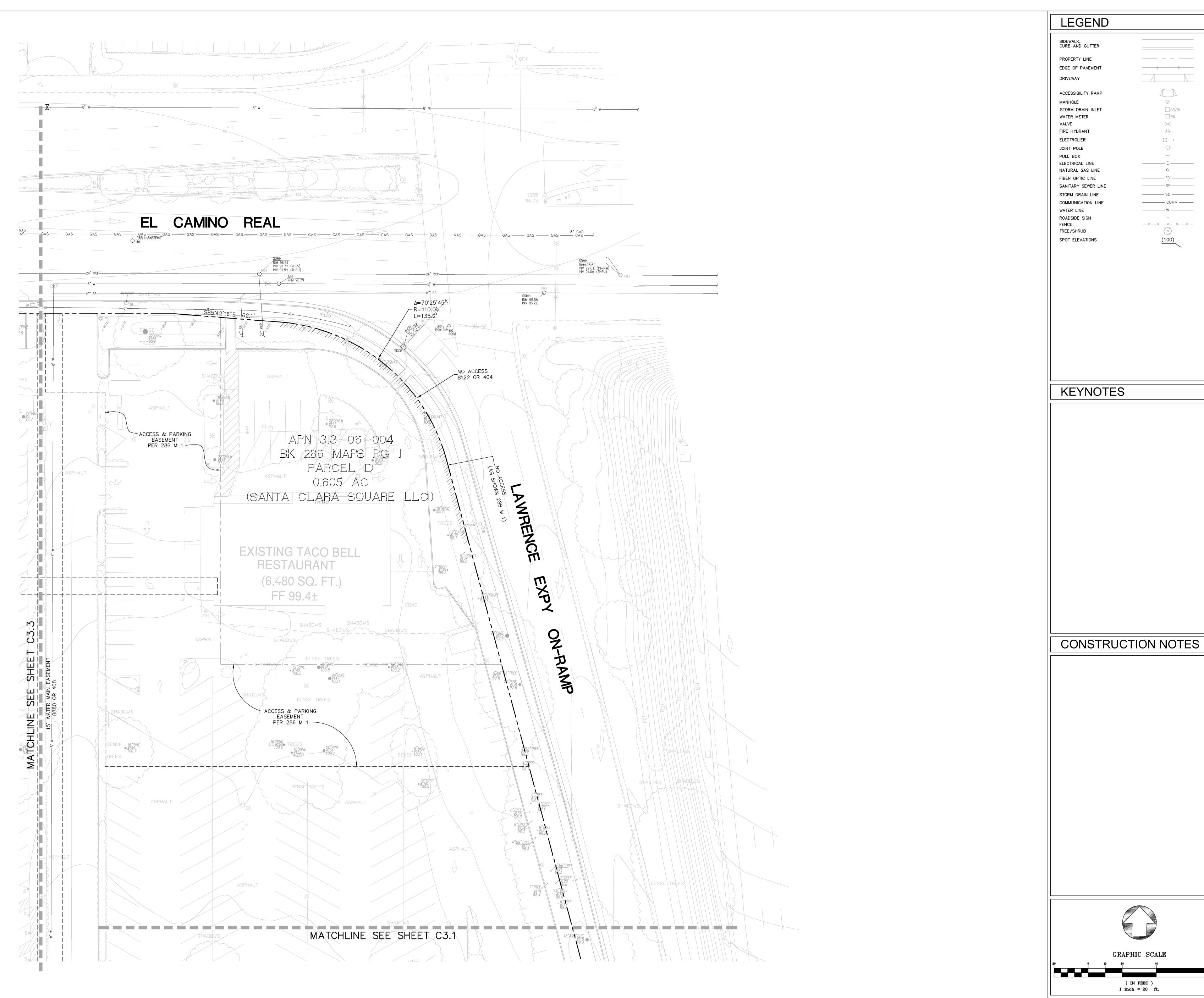
Tel 650.494.3700

P.(415)677-0966

CA 94103



EXISTING CONDITIONS



ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO P.(415)677-0966

4 4

CB/DI

 \square

_____ E ____

_____ G ____

_____ F0 ____

_____SS____

_____ COMM _____

×× × × ×

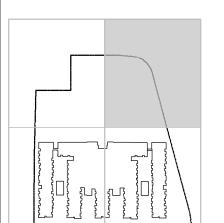
(100)

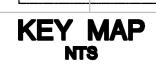
SANTA CLARA SQUARE, LLC

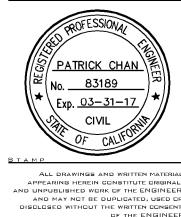
925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700 1650 TECHNOLOGY DRIVE, SUITE 650 SAN JOSE, CA 95110 408/467-9100

REFERENCE

SUPERSTRUCTURE 2/19/16

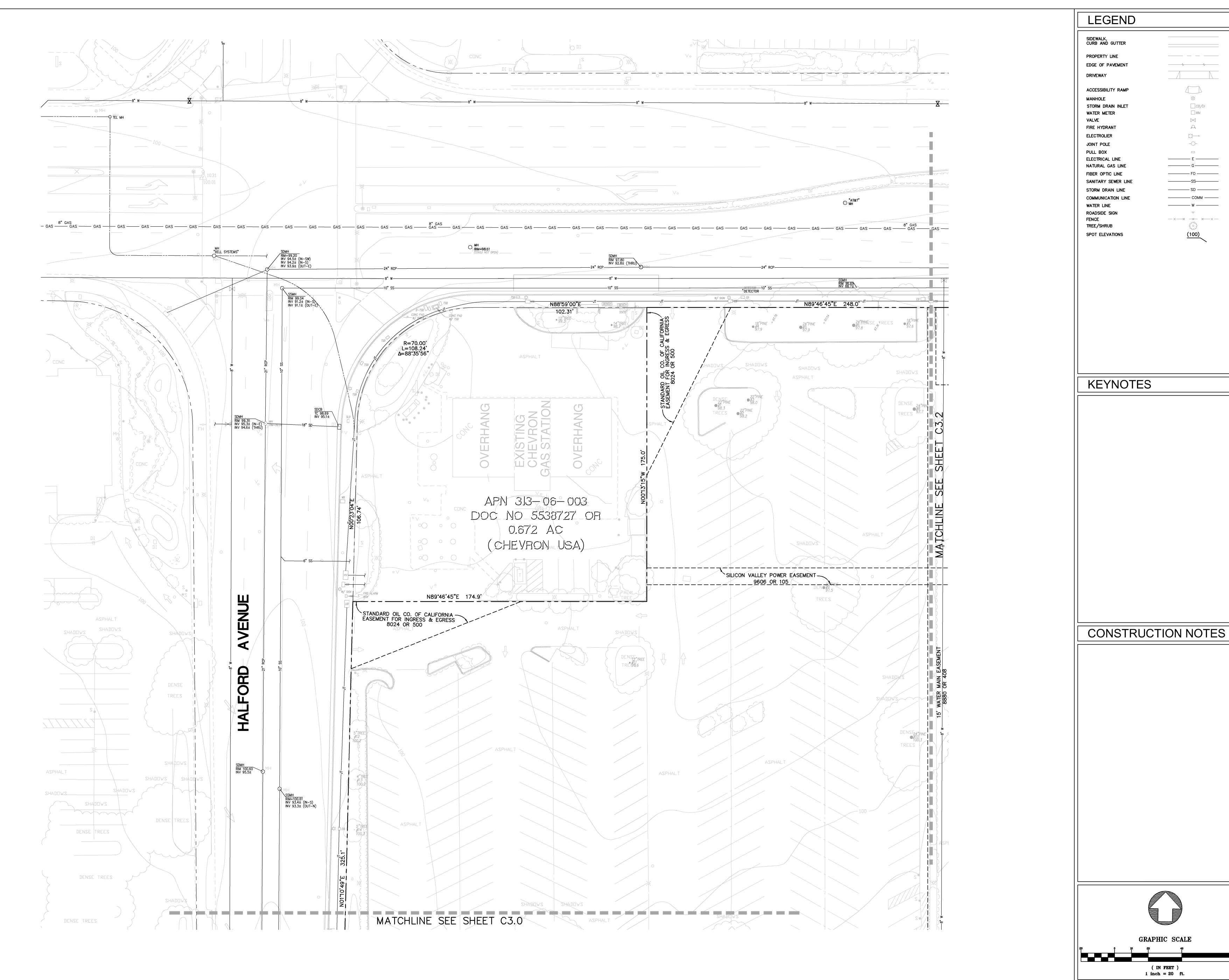


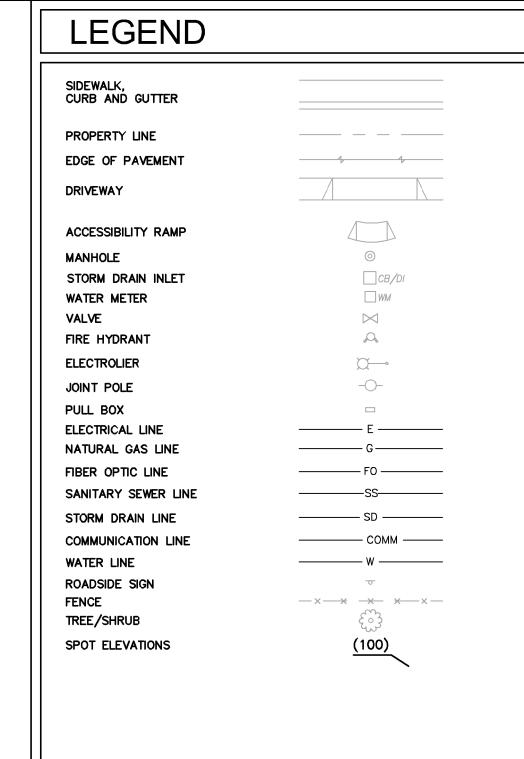




EXISTING CONDITIONS

C3.2





KEYNOTES

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

CD SET 3 1/25/16 CONCRETE RESUBMITTAL 2/19/16

REFERENCE

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

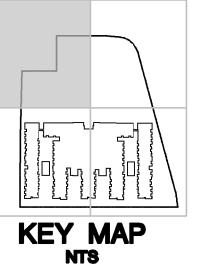
SQUARE, LLC

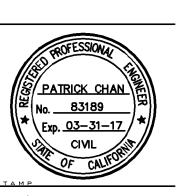
925 East Meadow Drive Palo Alto, CA 94303

Tel 650.494.3700

P.(415)677-0966

SUPERSTRUCTURE 2/19/16

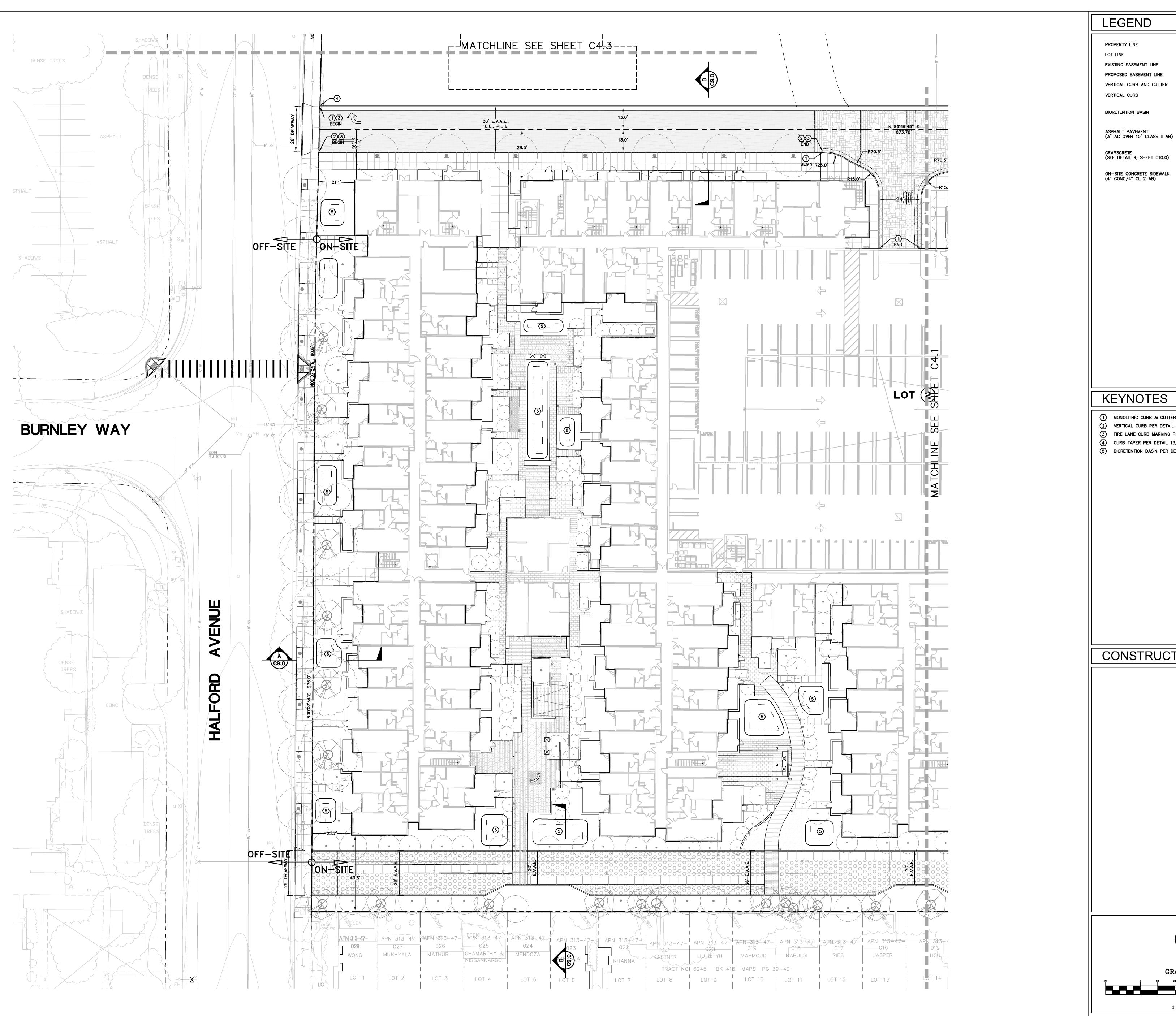




ALL DRAWINGS AND WRITTIN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

EXISTING CONDITIONS

C3.3





PROPERTY LINE EXISTING EASEMENT LINE PROPOSED EASEMENT LIN

VERTICAL CURB AND GUTTER VERTICAL CURB

BIORETENTION BASIN

GRASSCRETE (SEE DETAIL 9, SHEET C10.0)

KEYNOTES

- MONOLITHIC CURB & GUTTER PER CITY DETAIL ST-11
- VERTICAL CURB PER DETAIL 7, SHEET C10.0
- 5 BIORETENTION BASIN PER DETAIL 5, SHEET C10.0

SCHEMATIC DESIGN10/23/15

CONSTRUCTION NOTES

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

1/25/16 CONCRETE 2/19/16 SUPERSTRUCTURE 2/19/16

REFERENCE

ARCHITECTURE

950 HOWARD STREET

SANTA CLARA

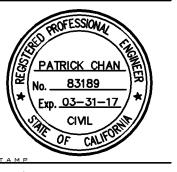
925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

SQUARE, LLC

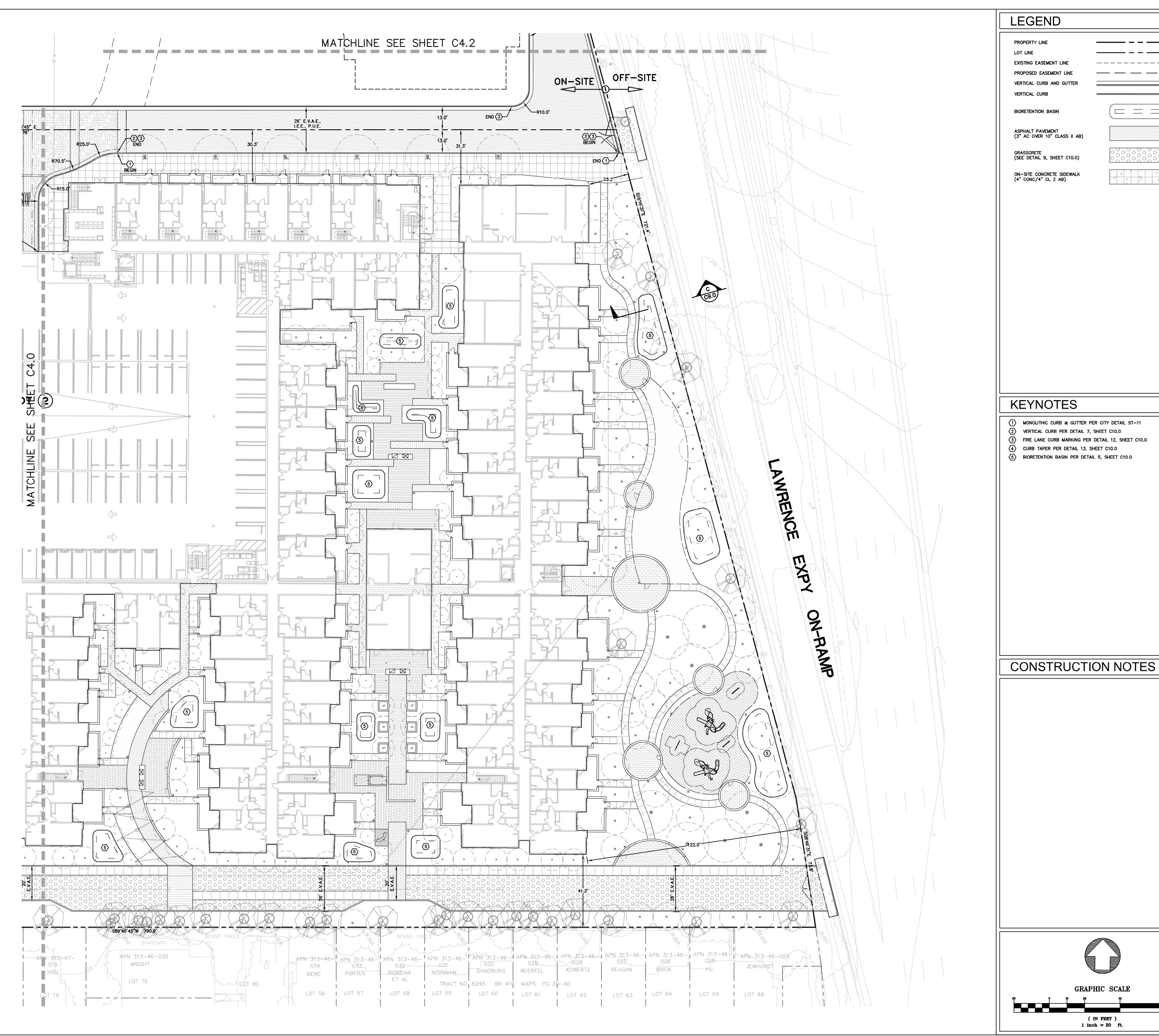
SAN FRANCISCO

P.(415)677-0966

KEY MAP



SITE PLAN & HORIZONTAL CONTROL PLAN



EXISTING EASEMENT LINE PROPOSED EASEMENT LINI

ON-SITE CONCRETE SIDEWALK (4" CONC/4" CL 2 AB)

(1) MONOLITHIC CURB & GUTTER PER CITY DETAIL ST-11 VERTICAL CURB PER DETAIL 7, SHEET C10.0 FIRE LANE CURB MARKING PER DETAIL 12, SHEET C10.0

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

5 BIORETENTION BASIN PER DETAIL 5, SHEET C10.0

REFERENCE ONLY

GA 3700 SANTA

ARCHITECTURE

950 HOWARD STREET

SANTA CLARA

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

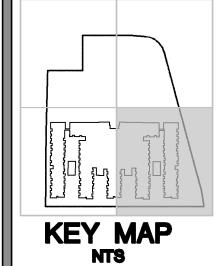
SQUARE, LLC

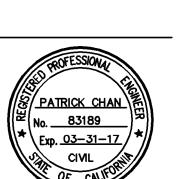
SAN FRANCISCO

P.(415)677-0966

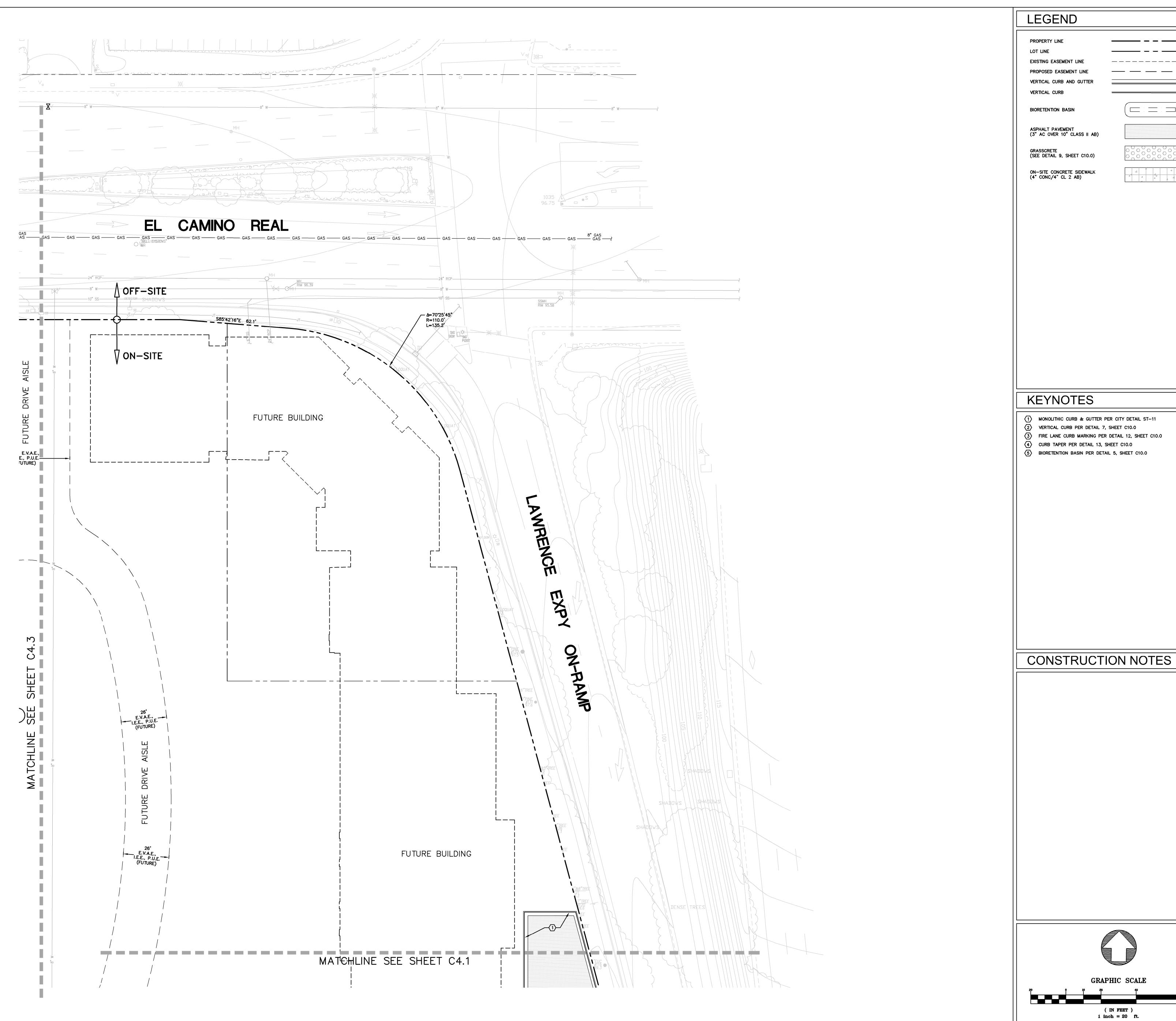
SCHEMATIC DESIGN10/23/15 CONCRETE SUBMITTAL 12/22/15

CONCRETE 2/19/16 SUPERSTRUCTURE 2/19/16





SITE PLAN & HORIZONTAL CONTROL PLAN





950 HOWARD STREET SAN FRANCISCO P.(415)677-0966

SANTA CLARA SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700



- MONOLITHIC CURB & GUTTER PER CITY DETAIL ST-11
- VERTICAL CURB PER DETAIL 7, SHEET C10.0 3 FIRE LANE CURB MARKING PER DETAIL 12, SHEET C10.0

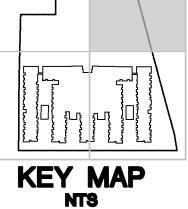
(IN FEET) 1 inch = 20 ft.

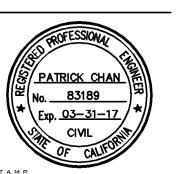
5 BIORETENTION BASIN PER DETAIL 5, SHEET C10.0

REFERENCE

SCHEMATIC DESIGN10/23/15 12/10/15 CONCRETE SUBMITTAL 12/22/15 CONCRETE 2/19/16

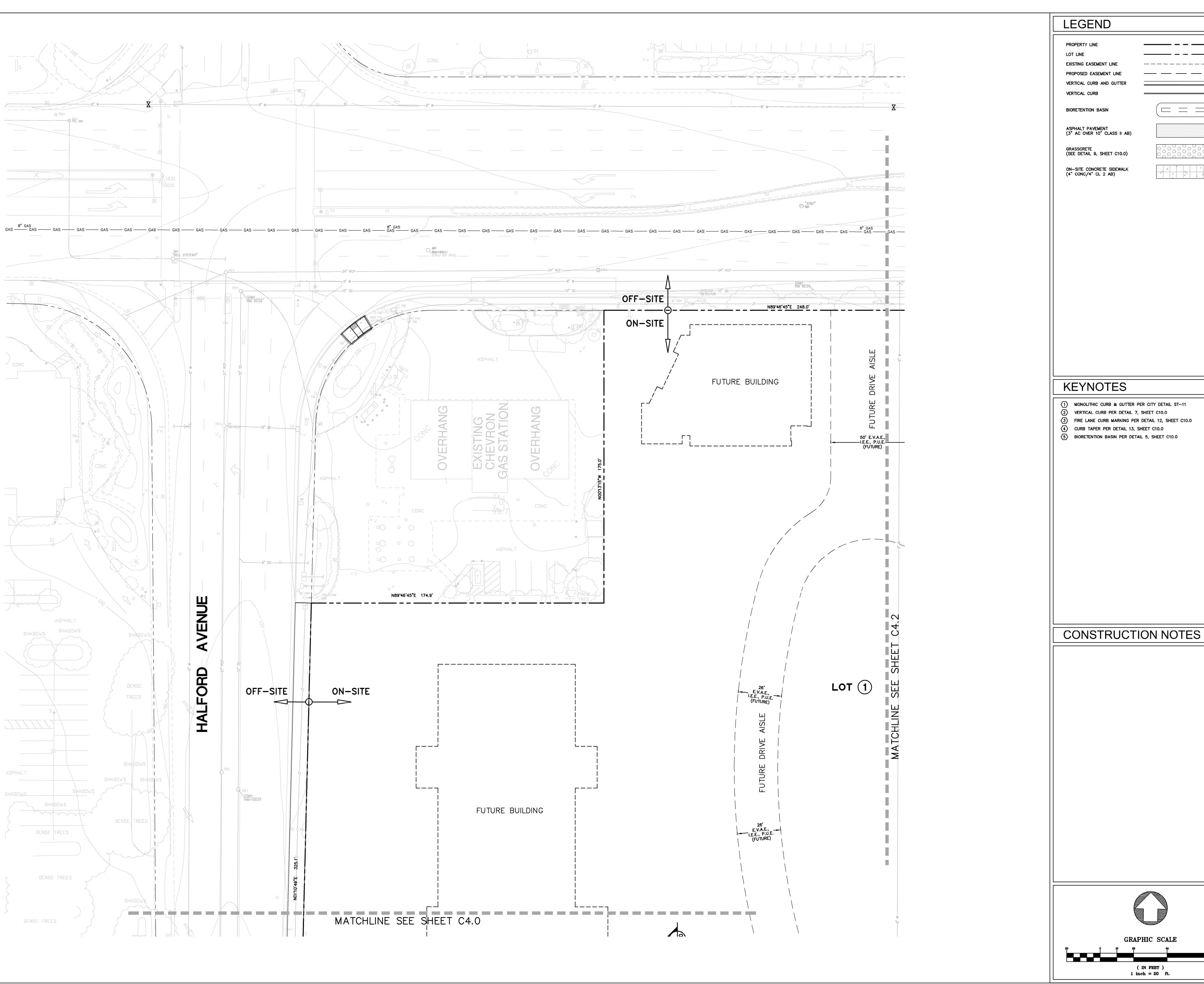
SUPERSTRUCTURE 2/19/16

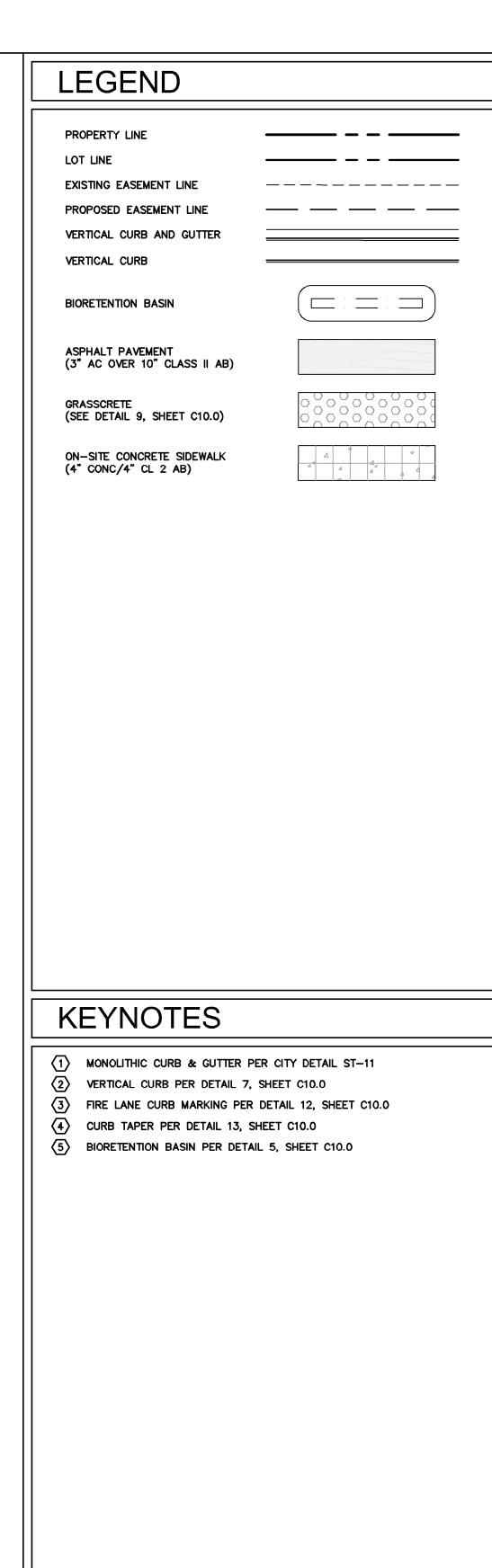




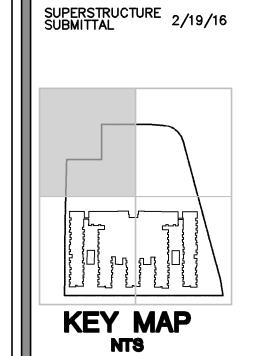
ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED. USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

SITE PLAN & HORIZONTAL CONTROL PLAN





(IN FEET) 1 inch = 20 ft.



REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE 2/19/16

ARCHITECTURE

950 HOWARD STREET

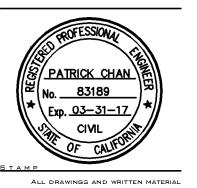
SANTA CLARA

SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

SAN FRANCISCO

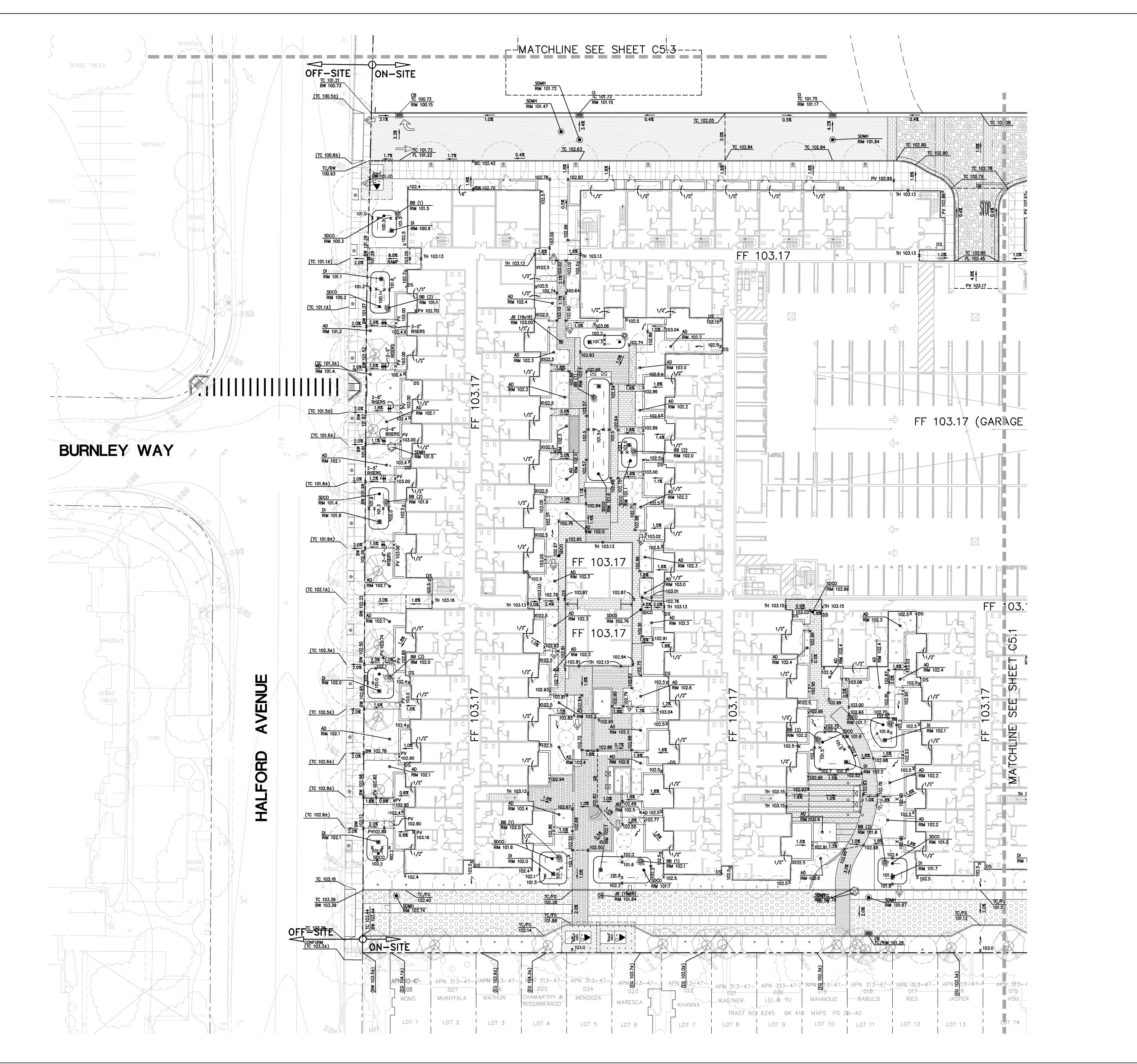
P.(415)677-0966



ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

SITE PLAN & HORIZONTAL CONTROL PLAN

PROJECT NO. 20126113 DRAWN BY



PROPERTY LINE

LOT LINE/ADJ. PROPERTY LI

FEMA FLOOD ZONE LINE

VERTICAL CURB AND GUTTER

VERTICAL CURB

BIORETENTION BASIN

ASPHALT PAVEMENT

GRASSCRETE PAVING

CONCRETE SIDEWALK

EXISTING ELEVATION PROPOSED ELEVATION SLOPE TO DRAIN (HARDSCAPE) SLOPE TO DRAIN (SOFTSCAPE) OVERLAND RELEASE

STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET

(TC 97.0±)

TC 100.8

* ightharpoons

~~4"

⊜ AD SDCO

SSMH

● ssco

STORM DRAIN JUNCTION BOX STORM DRAIN BUBBLER BOX STORM DRAIN AREA DRAIN STORM DRAIN CLEAN OUT SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT

KEYNOTES

SCHEMATIC DESIGN10/23/15

REFERENCE

ARCHITECTURE

950 HOWARD STREET

SANTA CLARA

925 East Meadow Drive Palo Alto, CA 94303

Tel 650.494.3700

SQUARE, LLC

SAN FRANCISCO

P.(415)677-0966

CONCRETE RESUBMITTAL 2/19/16 SUPERSTRUCTURE 2/19/16

4. LANDSCAPE FINISH GRADE ADJACENT TO THE BUILDING SHALL BE MINIMUM 8" BELOW FINISH FLOOR AND SLOPE AWAY AT A MINIMUM 2% GRADIENT FROM FOUNDATION. . NO GRADING OR STORAGE OF MATERIALS SHALL OCCUR UNDER THE TREE'S CANOPY AT ANY TIME, UNLESS OTHERWISE SPECIFY BY PLAN.

3. DOWNSPOUTS TO BE EITHER:

A) DISCHARGE ONTO SPLASH BLOCKS, SEE DETAIL 6 ON SHEET C10.0.

SPLASH BLOCKS SHALL BE POSITIONED TOWARDS PRIVATE STREET,
BIORETENTION BASINS, OR AREA DRAIN.

B) HARD PIPED TO BIORETENTION AREAS.

CONSTRUCTION NOTES

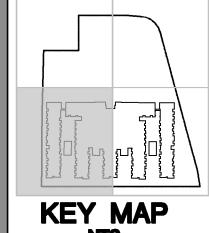
. ALL WALKWAYS FROM PORCH TO SIDEWALK SHALL SLOPE 2% MAX.

. ALL PORCHES SHALL SLOPE 2% MAX.

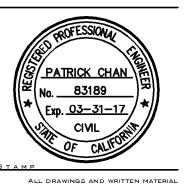
2"-4" COBBLE STONE ENERGY DISSIPATERS SHALL BE A MINIMUM 24"x24" AREA AS DEPICTED PER PLAN AND TO BE PLACED AT CURB CUTS AND AROUND OVERFLOW DRAINS (OFD) & BUBBLER BOXES (BB).

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.



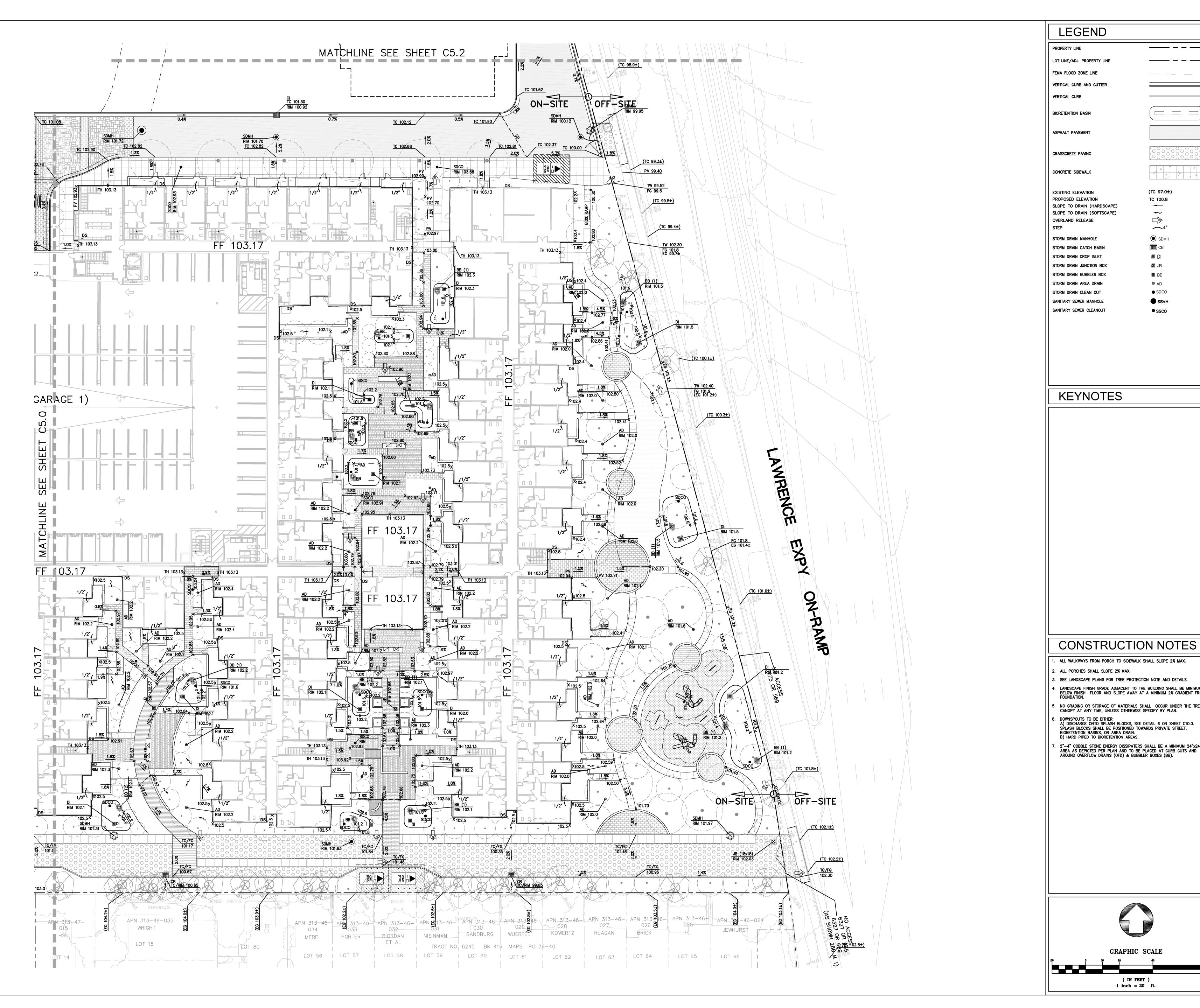
KEY MAP

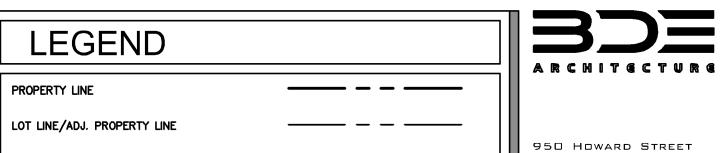


GRADING DRAINAGE

PLAN

C5.0





(TC 97.0±)

TC 100.8

*

~~4"

SDMH

■ DI

⊠ JB

■ BB

⊜ AD SDCO

SSMH

● ssco

SAN FRANCISCO P.(415)677-0966

SANTA CLARA SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE SUBMITTAL 2/22/15 CD SET 2 1/25/16 CD SET 3 CONCRETE RESUBMITTAL 2/19/16 SUPERSTRUCTURE 2/19/16

4. LANDSCAPE FINISH GRADE ADJACENT TO THE BUILDING SHALL BE MINIMUM 8" BELOW FINISH FLOOR AND SLOPE AWAY AT A MINIMUM 2% GRADIENT FROM FOUNDATION. 5. NO GRADING OR STORAGE OF MATERIALS SHALL OCCUR UNDER THE TREE'S CANOPY AT ANY TIME, UNLESS OTHERWISE SPECIFY BY PLAN.

DOWNSPOUTS TO BE EITHER:

A) DISCHARGE ONTO SPLASH BLOCKS, SEE DETAIL 6 ON SHEET C10.0.

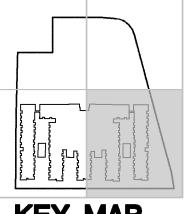
SPLASH BLOCKS SHALL BE POSITIONED TOWARDS PRIVATE STREET,
BIORETENTION BASINS, OR AREA DRAIN.

B) HARD PIPED TO BIORETENTION AREAS.

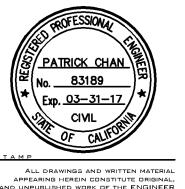
2"-4" COBBLE STONE ENERGY DISSIPATERS SHALL BE A MINIMUM 24"x24" AREA AS DEPICTED PER PLAN AND TO BE PLACED AT CURB CUTS AND AROUND OVERFLOW DRAINS (OFD) & BUBBLER BOXES (BB).

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.



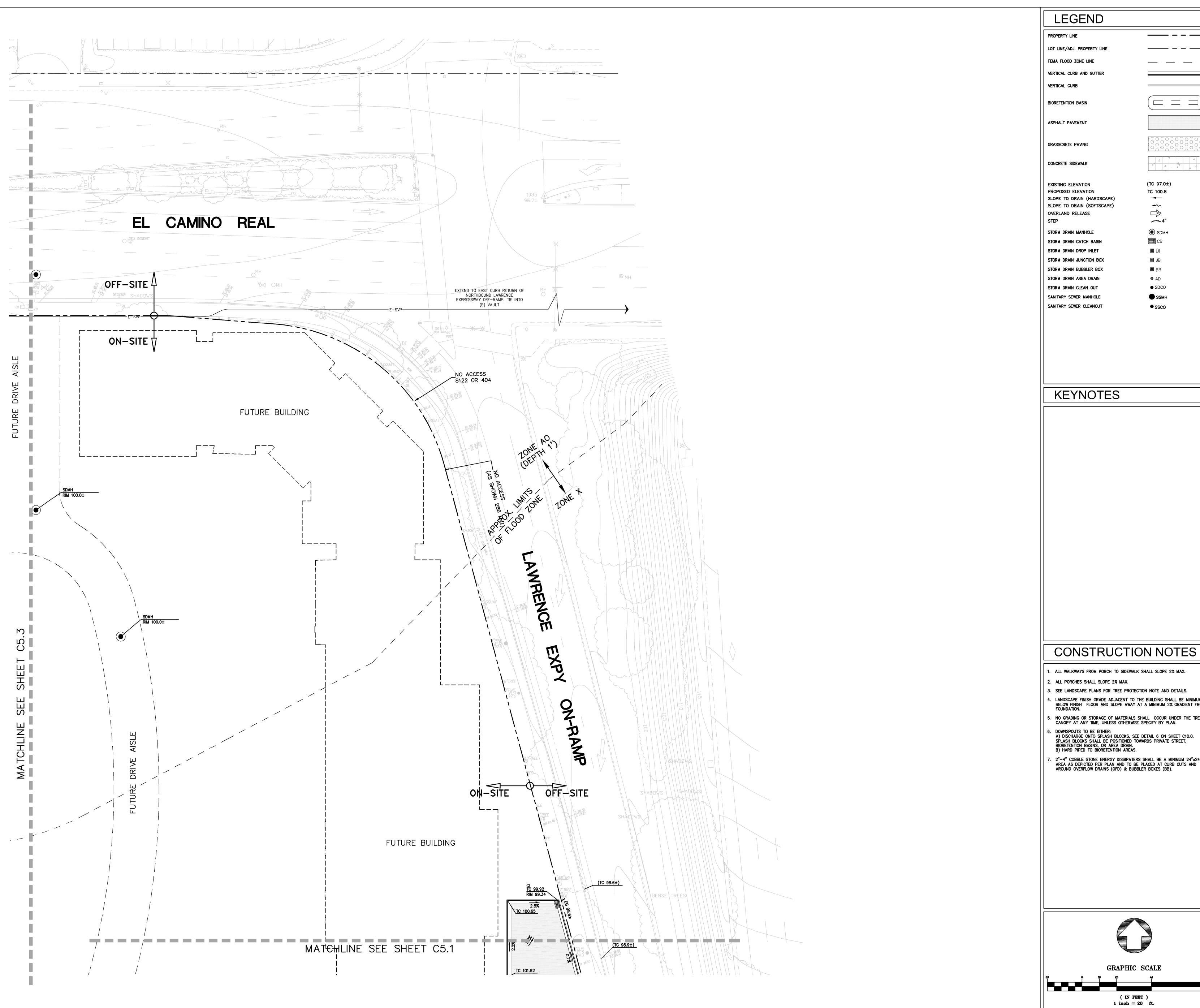




GRADING DRAINAGE

PLAN

C5.1



PROPERTY LINE

LOT LINE/ADJ. PROPERTY LINE

FEMA FLOOD ZONE LINE

VERTICAL CURB AND GUTTER

GRASSCRETE PAVING

CONCRETE SIDEWALK

EXISTING ELEVATION PROPOSED ELEVATION SLOPE TO DRAIN (HARDSCAPE) SLOPE TO DRAIN (SOFTSCAPE) OVERLAND RELEASE

STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET

STORM DRAIN JUNCTION BOX **⊠** JB STORM DRAIN BUBBLER BOX ■ BB STORM DRAIN AREA DRAIN **⊜** AD SDCO STORM DRAIN CLEAN OUT SSMH SANITARY SEWER MANHOLE

KEYNOTES

REFERENCE

ARCHITECTURE

950 HOWARD STREET

SANTA CLARA

SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303

Tel 650.494.3700

SAN FRANCISCO

P.(415)677-0966

(TC 97.0±)

TC 100.8

-

*

~~4"

SDMH

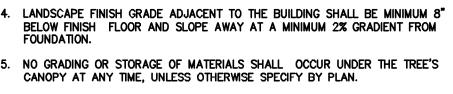
● ssco

SCHEMATIC DESIGN10/23/15 CONCRETE SUBMITTAL 2/22/15

CONCRETE 2/19/16

1/25/16

SUPERSTRUCTURE 2/19/16 3. SEE LANDSCAPE PLANS FOR TREE PROTECTION NOTE AND DETAILS.



B. DOWNSPOUTS TO BE EITHER:

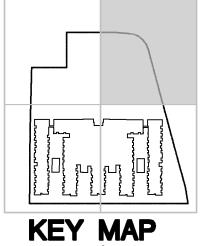
A) DISCHARGE ONTO SPLASH BLOCKS, SEE DETAIL 6 ON SHEET C10.0. SPLASH BLOCKS SHALL BE POSITIONED TOWARDS PRIVATE STREET, BIORETENTION BASINS, OR AREA DRAIN.

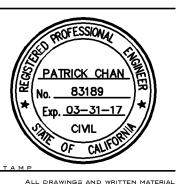
B) HARD PIPED TO BIORETENTION AREAS.

. 2"-4" COBBLE STONE ENERGY DISSIPATERS SHALL BE A MINIMUM 24"x24" AREA AS DEPICTED PER PLAN AND TO BE PLACED AT CURB CUTS AND AROUND OVERFLOW DRAINS (OFD) & BUBBLER BOXES (BB).

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

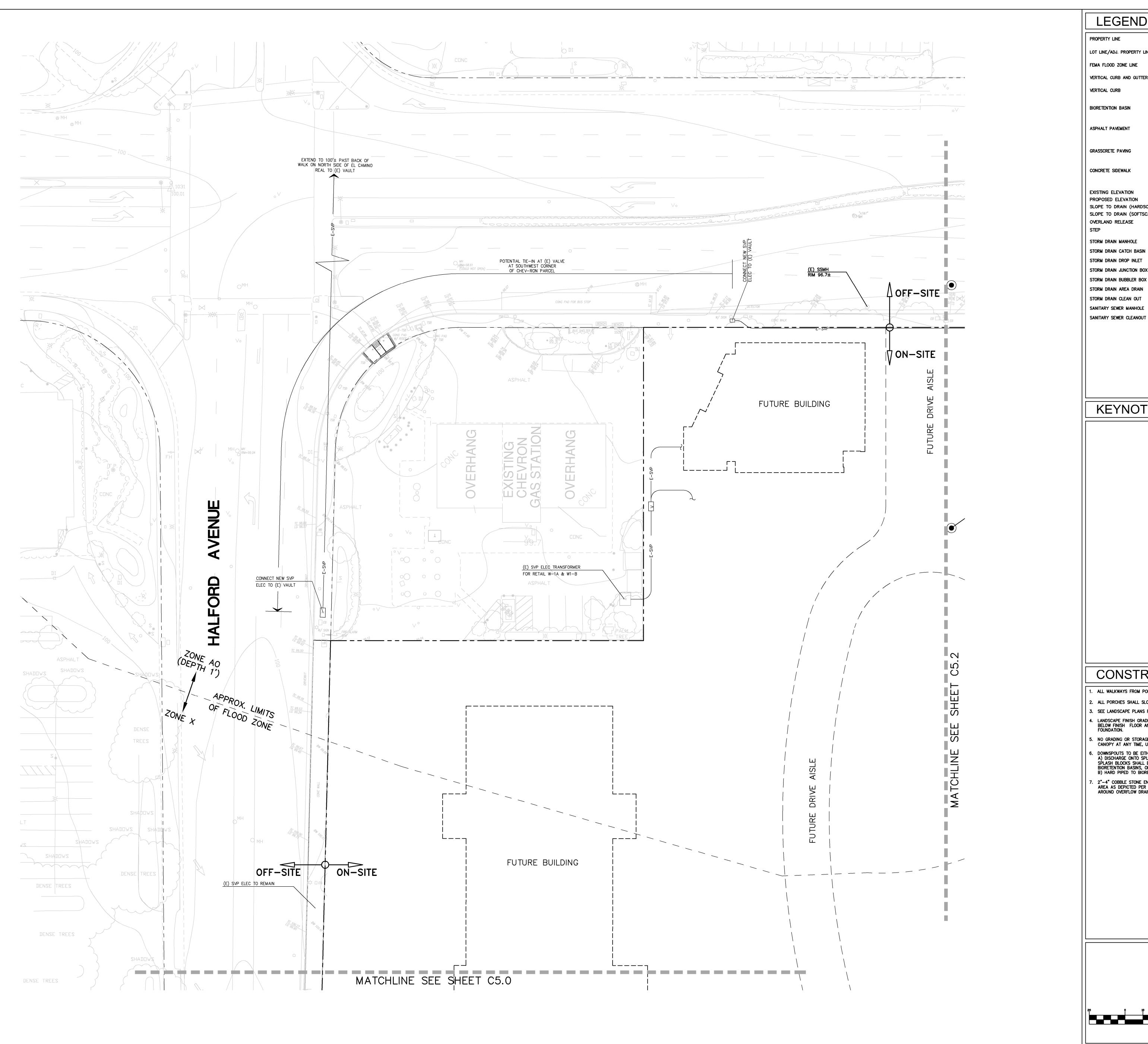




GRADING DRAINAGE

C5.2

PLAN



LOT LINE/ADJ. PROPERTY LINE

VERTICAL CURB AND GUTTER

VERTICAL CURB

BIORETENTION BASIN

EXISTING ELEVATION PROPOSED ELEVATION SLOPE TO DRAIN (HARDSCAPE) SLOPE TO DRAIN (SOFTSCAPE) OVERLAND RELEASE

STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET

STORM DRAIN JUNCTION BOX **⊠** JB STORM DRAIN BUBBLER BOX ■ BB STORM DRAIN AREA DRAIN **⊜** AD SDCO STORM DRAIN CLEAN OUT SANITARY SEWER MANHOLE SSMH ssco

KEYNOTES

REFERENCE

ARCHITECTURE

950 HOWARD STREET

SANTA CLARA

SQUARE, LLC

925 East Meadow Drive

Palo Alto, CA 94303 Tel 650.494.3700

SAN FRANCISCO

P.(415)677-0966

CA 94103

(TC 97.0±)

TC 100.8

-

* ightharpoons

~~4"

SDMH

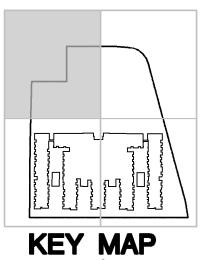
SCHEMATIC DESIGN10/23/15

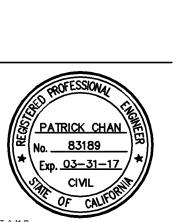
CONCRETE SUBMITTAL 2/22/15 1/25/16 CONCRETE RESUBMITTAL 2/19/16 SUPERSTRUCTURE 2/19/16

6. DOWNSPOUTS TO BE EITHER:

A) DISCHARGE ONTO SPLASH BLOCKS, SEE DETAIL 6 ON SHEET C10.0.
SPLASH BLOCKS SHALL BE POSITIONED TOWARDS PRIVATE STREET,
BIORETENTION BASINS, OR AREA DRAIN.
B) HARD PIPED TO BIORETENTION AREAS.

7. 2"-4" COBBLE STONE ENERGY DISSIPATERS SHALL BE A MINIMUM 24"x24" AREA AS DEPICTED PER PLAN AND TO BE PLACED AT CURB CUTS AND AROUND OVERFLOW DRAINS (OFD) & BUBBLER BOXES (BB).





GRADING

DRAINAGE PLAN

PROJECT NO. 20126113 DRAWN BY

C5.3

CONSTRUCTION NOTES

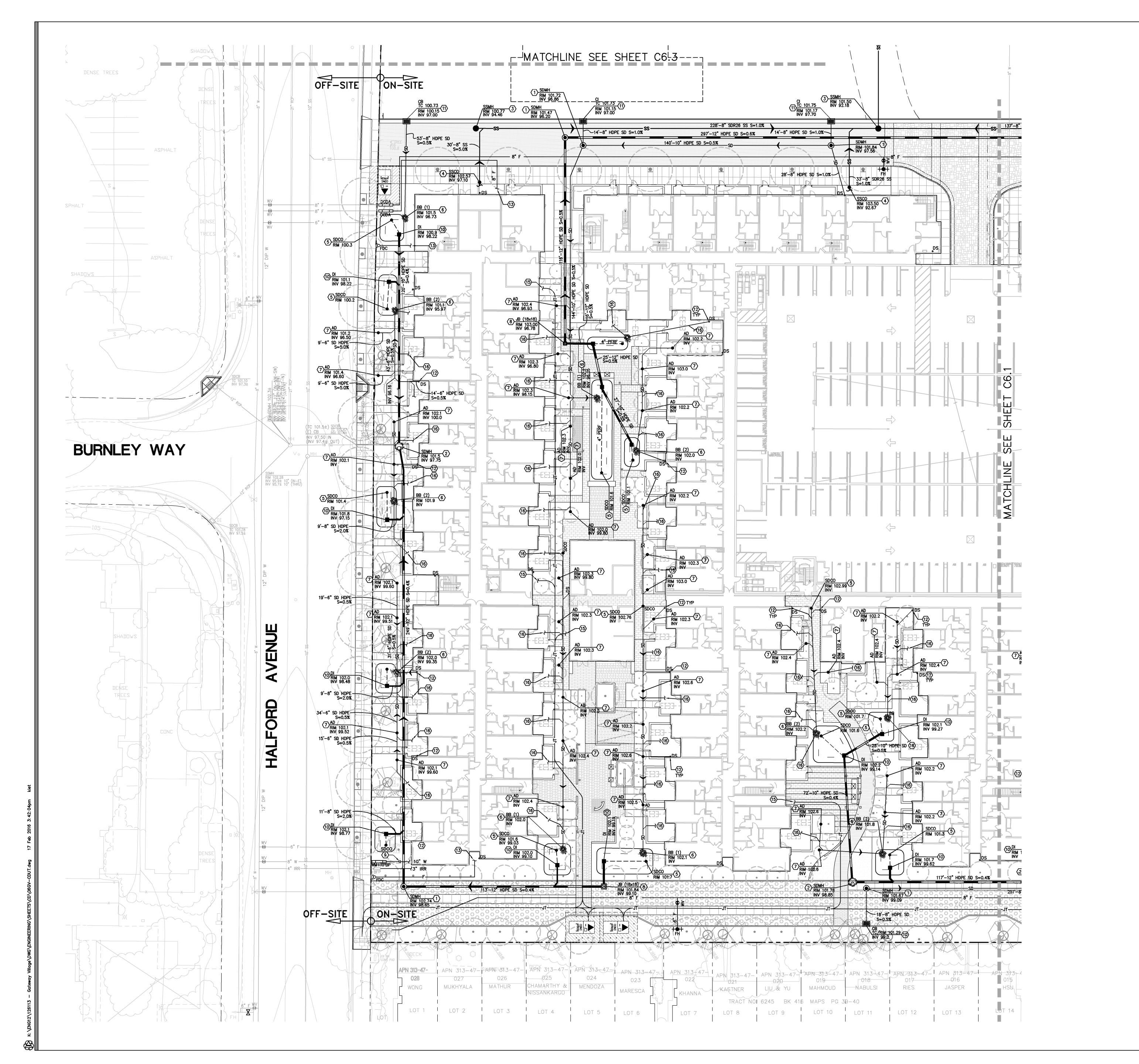
. ALL WALKWAYS FROM PORCH TO SIDEWALK SHALL SLOPE 2% MAX. 2. ALL PORCHES SHALL SLOPE 2% MAX.

3. SEE LANDSCAPE PLANS FOR TREE PROTECTION NOTE AND DETAILS. 4. LANDSCAPE FINISH GRADE ADJACENT TO THE BUILDING SHALL BE MINIMUM 8" BELOW FINISH FLOOR AND SLOPE AWAY AT A MINIMUM 2% GRADIENT FROM FOUNDATION.

5. NO GRADING OR STORAGE OF MATERIALS SHALL OCCUR UNDER THE TREE'S CANOPY AT ANY TIME, UNLESS OTHERWISE SPECIFY BY PLAN.

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.



PROPERTY LINE LOT LINE/ADJ. PROPERTY LIN

TOP OF BANK (BIORETENTION) FLOW LINE (BIORETENTION) STORM DRAIN LINE (UNTREATED

STORM DRAIN LINE (TREATED) SANITARY SEWER LINE

DOMESTIC WATER LINE FIRE WATER/SERVICE LINE IRRIGATION LINE

STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET STORM DRAIN JUNCTION BOX STORM DRAIN BUBBLER BOX STORM DRAIN AREA DRAIN AD STORM DRAIN CLEAN OUT SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT

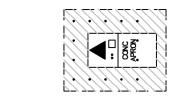
DOUBLE CHECK DETECTOR ASSEMBLY POST INDICATOR VALVE FIRE DEPARTMENT CONNECTION WATER VALVE WATER METER REDUCED PRESSURE BACKFLOW PRINCIPLE BACK FLOW PREVENTER

PAD MOUNT TRANSFORMER (SHOWN FOR REFERENCE ONLY)

WHARF HYDRANT

EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT

SECTIONAL CONTROL VALVE



DCDA

RPBP

O SCV

KEYNOTES

- STORM DRAIN MANHOLE (CONCENTRIC) PER CITY STD DS-1
 - STORM DRAIN MANHOLE (ECCENTRIC) PER CITY STD DS-1
- 3 SANITARY SEWER MANHOLE PER CITY STD DS-1
- (4) SANITARY SEWER CLEANOUT PER DETAIL 2, SHEET C10.0 STORM DRAIN CLEANOUT PER DETAIL 2, SHEET C10.0
- BUBBLER BOX PER DETAIL 3, SHEET C10.0
- (7) LANDSCAPE AREA DRAIN PER DETAIL 1, SHEET C10.0
- 8 STORM DRAIN JUNCTION BOX W/ NON-SLIP SKID RESISTANT LID PER DETAIL X, SHEET CX.X
- (9) 10" TO 8" PIPE REDUCER
- 10 DROP INLET PER DETAIL 4, SHEET C10.0
- (11) CURB INLET PER DETAIL 1, SHEET C10.1
- DOWNSPOUT, SEE ARCHITECTURAL DRAWINGS FOR DETAILS (13) FOR CONTINUATION, SEE FIRE PROTECTION DRAWINGS
- 14 FOR CONTINUATION, SEE PLUMBING DRAWINGS
- 15 FOR CONTINUATION, SEE ELECTRICAL DRAWINGS
- CONNECT TO PATIO UNDER SLAB DRAIN W/ 4" SD.

- JOINT TRENCH AND STREET LIGHT LINES & STRUCTURES ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE JOINT TRENCH
- PLANS FOR INFORMATION.

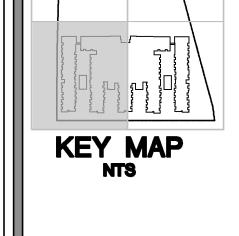
CONSTRUCTION NOTES

- SEE LANDSCAPE PLANS FOR IRRIGATION LINES AND STRUCTURES
- 3. CONTRACTOR SHALL MAINTAIN 12" VERTICAL CLEARANCE ABOVE OR BELOW EXISTING AND NEW UTILITIES CROSSING. 4. HORIZONTAL DIMENSION ARE TAKEN FROM CENTER OF PIPE TO CENTER OF PIPE. RIM ELEVATION ARE SPECIFIED AT THE CENTER OF THE FRAME.
- 5. TRENCHES:
- A) PUBLIC UTILITIES TRENCHES PER CITY STD ST-24, SHEET C10.1. B) PRIVATE UTILITIES TRENCHES PER CMV STD ST-24, SHEET C10.1, AND PER GEOTECHNICAL REPORT.

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

- 6. PIPE MATERIAL:
- A) PRIVATE SD: HDPE ADS N-12 (SMOOTH INTERIOR), OR APPROVED EQUAL. B) PUBLIC SD: RCP CLASS 3
- C) SS (PRIVATE): PVC SDR 26 D) WATER (PRIVATE): PVC C900 CLASS 200



REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE SUBMITTAL 2/22/15

SUPERSTRUCTURE 2/19/16

CD SET 1

CD SET 2 CD SET 3

CONCRETE RESUBMITTAL

11/25/15

12/10/15

1/25/16

2/19/16

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

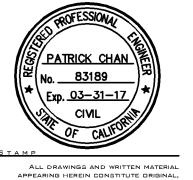
SANTA CLARA

SQUARE, LLC

925 East Meadow Drive

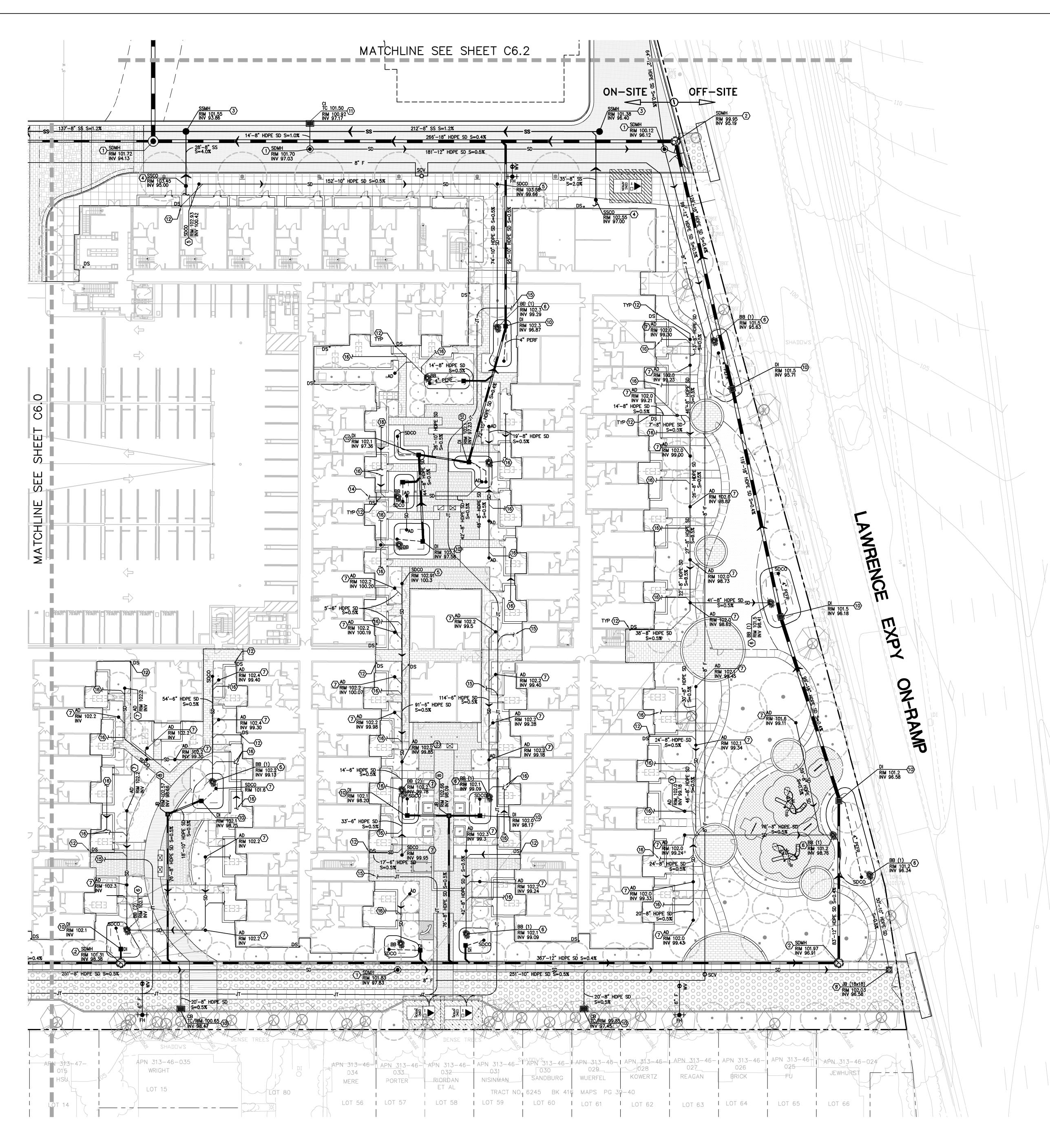
Palo Alto, CA 94303 Tel 650.494.3700

P.(415)677-0966



ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. COMPOSITE UTILITY PLAN

C6.0



PROPERTY LINE LOT LINE/ADJ. PROPERTY LIN TOP OF BANK (BIORETENTION) FLOW LINE (BIORETENTION) STORM DRAIN LINE (UNTREATED

STORM DRAIN LINE (TREATED) SANITARY SEWER LINE DOMESTIC WATER LINE FIRE WATER/SERVICE LINE

IRRIGATION LINE

STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET STORM DRAIN JUNCTION BOX STORM DRAIN BUBBLER BOX STORM DRAIN AREA DRAIN

> SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT DOUBLE CHECK DETECTOR ASSEMBLY POST INDICATOR VALVE FIRE DEPARTMENT CONNECTION WATER VALVE WATER METER

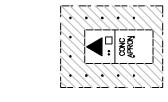
> > REDUCED PRESSURE BACKFLOW PRINCIPLE

STORM DRAIN CLEAN OUT

BACK FLOW PREVENTER WHARF HYDRANT EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT

> PAD MOUNT TRANSFORMER (SHOWN FOR REFERENCE ONLY)

SECTIONAL CONTROL VALVE



◆ AD

SDCO

SSCO

◆ WV

RPBP RPBP □ BFP

| ● | WHARF

O SCV

DCDA

KEYNOTES

- STORM DRAIN MANHOLE (CONCENTRIC) PER CITY STD DS-1
- STORM DRAIN MANHOLE (ECCENTRIC) PER CITY STD DS-1 (3) SANITARY SEWER MANHOLE PER CITY STD DS-1
- (4) SANITARY SEWER CLEANOUT PER DETAIL 2, SHEET C10.0 (5) STORM DRAIN CLEANOUT PER DETAIL 2, SHEET C10.0
- BUBBLER BOX PER DETAIL 3, SHEET C10.0
- (7) LANDSCAPE AREA DRAIN PER DETAIL 1, SHEET C10.0 8 STORM DRAIN JUNCTION BOX W/ NON-SLIP SKID RESISTANT LID PER DETAIL X, SHEET CX.X
- (9) 10" TO 8" PIPE REDUCER
- DROP INLET PER DETAIL 4, SHEET C10.0
- (11) CURB INLET PER DETAIL 1, SHEET C10.1
- (12) DOWNSPOUT, SEE ARCHITECTURAL DRAWINGS FOR DETAILS
- (13) FOR CONTINUATION, SEE FIRE PROTECTION DRAWINGS
- (14) FOR CONTINUATION, SEE PLUMBING DRAWINGS
- (15) FOR CONTINUATION, SEE ELECTRICAL DRAWINGS
- CONNECT TO PATIO UNDER SLAB DRAIN W/ 4" SD. SAD FOR CONNECTION DETAILS

CONSTRUCTION NOTES

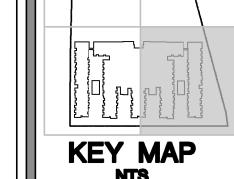
- JOINT TRENCH AND STREET LIGHT LINES & STRUCTURES ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE JOINT TRENCH
- PLANS FOR INFORMATION. 2. SEE LANDSCAPE PLANS FOR IRRIGATION LINES AND STRUCTURES
- 3. CONTRACTOR SHALL MAINTAIN 12" VERTICAL CLEARANCE ABOVE OR BELOW EXISTING AND NEW UTILITIES CROSSING.
- . HORIZONTAL DIMENSION ARE TAKEN FROM CENTER OF PIPE TO CENTER OF PIPE. RIM ELEVATION ARE SPECIFIED AT THE CENTER OF THE FRAME.
- 5. TRENCHES: A) PUBLIC UTILITIES TRENCHES PER CITY STD ST-24, SHEET C10.1.

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

- B) PRIVATE UTILITIES TRENCHES PER CMV STD ST-24, SHEET C10.1, AND PER GEOTECHNICAL REPORT.
- 6. PIPE MATERIAL:
- A) PRIVATE SD: HDPE ADS N-12 (SMOOTH INTERIOR), OR APPROVED EQUAL.
- B) PUBLIC SD: RCP CLASS 3 C) SS (PRIVATE): PVC SDR 26

D) WATER (PRIVATE): PVC C900 CLASS 200



REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE SUBMITTAL 2/22/15

SUPERSTRUCTURE 2/19/16

12/10/15

12/22/15

1/25/16

2/19/16

CD SET 1

CD SET 2

CD SET 3

CONCRETE RESUBMITTAL

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

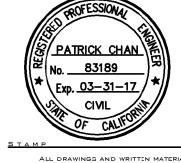
SQUARE, LLC

Tel 650.494.3700

925 East Meadow Drive Palo Alto, CA 94303

P. (415)677-0966

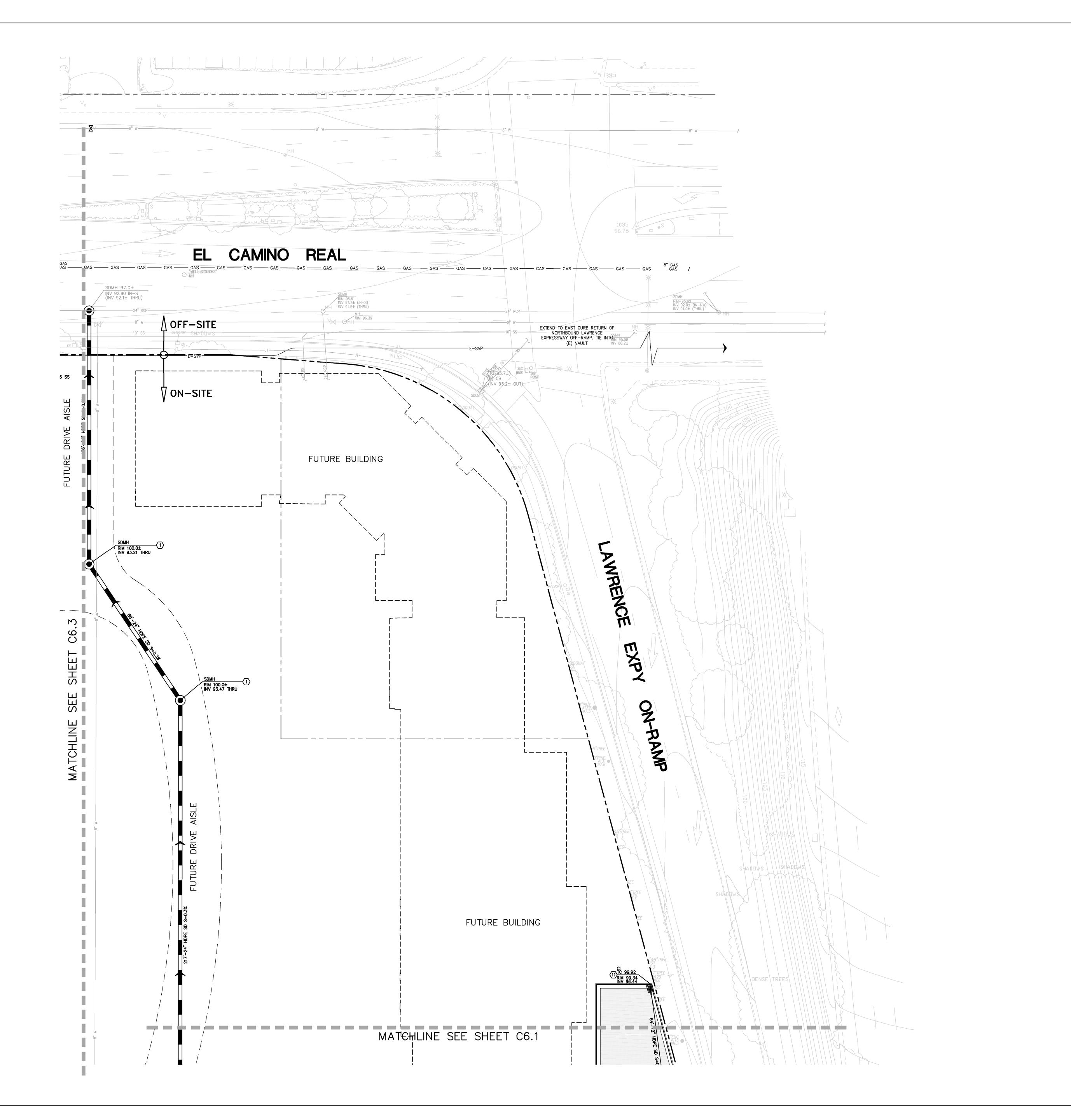




ALL DRAWINGS AND WRITTEN MATERIAL
APPEARING HEREIN CONSTITUTE ORIGINAL,
AND UNPUBLISHED WORK OF THE ENGINEER
AND MAY NOT BE DUPLICATED, USED OR
DISCLOSED WITHOUT THE WRITTEN CONSENT
OF THE ENGINEER.

COMPOSITE UTILITY PLAN

C6.1



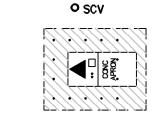
PROPERTY LINE LOT LINE/ADJ. PROPERTY LINE _____ TOP OF BANK (BIORETENTION) FLOW LINE (BIORETENTION) -----STORM DRAIN LINE (UNTREATED) STORM DRAIN LINE (TREATED) SANITARY SEWER LINE DOMESTIC WATER LINE FIRE WATER/SERVICE LINE

IRRIGATION LINE STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET STORM DRAIN JUNCTION BOX ☑ JB STORM DRAIN BUBBLER BOX STORM DRAIN AREA DRAIN AD STORM DRAIN CLEAN OUT SDCO SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT SSCO DOUBLE CHECK DETECTOR ASSEMBLY DCDA POST INDICATOR VALVE FIRE DEPARTMENT CONNECTION Ó FDC WATER VALVE ◆ WV WATER METER REDUCED PRESSURE BACKFLOW PRINCIPLE RPBP

BACK FLOW PREVENTER WHARF HYDRANT EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT

PAD MOUNT TRANSFORMER (SHOWN FOR REFERENCE ONLY)

SECTIONAL CONTROL VALVE



+●+ WHARF

KEYNOTES

- STORM DRAIN MANHOLE (CONCENTRIC) PER CITY STD DS-1
- $\langle 2 \rangle$ storm drain manhole (eccentric) per city STD DS-1
- (3) SANITARY SEWER MANHOLE PER CITY STD DS-1
- (4) SANITARY SEWER CLEANOUT PER DETAIL 2, SHEET C10.0
- (5) STORM DRAIN CLEANOUT PER DETAIL 2, SHEET C10.0
- (6) BUBBLER BOX PER DETAIL 3, SHEET C10.0
- The landscape area drain per detail 1, sheet c10.0
- 8 STORM DRAIN JUNCTION BOX W/ NON-SLIP SKID RESISTANT LID PER DETAIL X, SHEET CX.X
- 9 10" TO 8" PIPE REDUCER DROP INLET PER DETAIL 4, SHEET C10.0
- (11) CURB INLET PER DETAIL 1, SHEET C10.1
- (12) DOWNSPOUT, SEE ARCHITECTURAL DRAWINGS FOR DETAILS
- (13) FOR CONTINUATION, SEE FIRE PROTECTION DRAWINGS
- 14 FOR CONTINUATION, SEE PLUMBING DRAWINGS
- (15) FOR CONTINUATION, SEE ELECTRICAL DRAWINGS
- CONNECT TO PATIO UNDER SLAB DRAIN W/ 4" SD. SAD FOR CONNECTION DETAILS

CONSTRUCTION NOTES

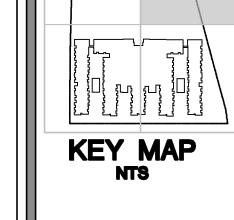
JOINT TRENCH AND STREET LIGHT LINES & STRUCTURES ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE JOINT TRENCH PLANS FOR INFORMATION.

- 2. SEE LANDSCAPE PLANS FOR IRRIGATION LINES AND STRUCTURES
- 3. CONTRACTOR SHALL MAINTAIN 12" VERTICAL CLEARANCE ABOVE OR BELOW EXISTING AND NEW UTILITIES CROSSING. 4. HORIZONTAL DIMENSION ARE TAKEN FROM CENTER OF PIPE TO CENTER OF PIPE. RIM ELEVATION ARE SPECIFIED AT THE CENTER OF THE FRAME.
- 5. TRENCHES:
- A) PUBLIC UTILITIES TRENCHES PER CITY STD ST-24, SHEET C10.1. B) PRIVATE UTILITIES TRENCHES PER CMV STD ST-24, SHEET C10.1, AND PER GEOTECHNICAL REPORT.

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

- 6. PIPE MATERIAL: A) PRIVATE SD: HDPE ADS N-12 (SMOOTH INTERIOR),
- OR APPROVED EQUAL. B) PUBLIC SD: RCP CLASS 3
- C) SS (PRIVATE): PVC SDR 26 D) WATER (PRIVATE): PVC C900 CLASS 200



REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE SUBMITTAL 2/22/15

11/25/15

12/10/15

12/22/15 1/25/16

2/19/16

ONLY

DD SET 1 100% DD

CD SET 1

CD SET 2

CD SET 3

CONCRETE RESUBMITTAL

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

925 East Meadow Drive

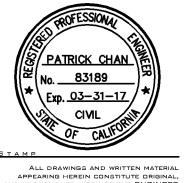
SQUARE, LLC

Palo Alto, CA 94303

Tel 650.494.3700

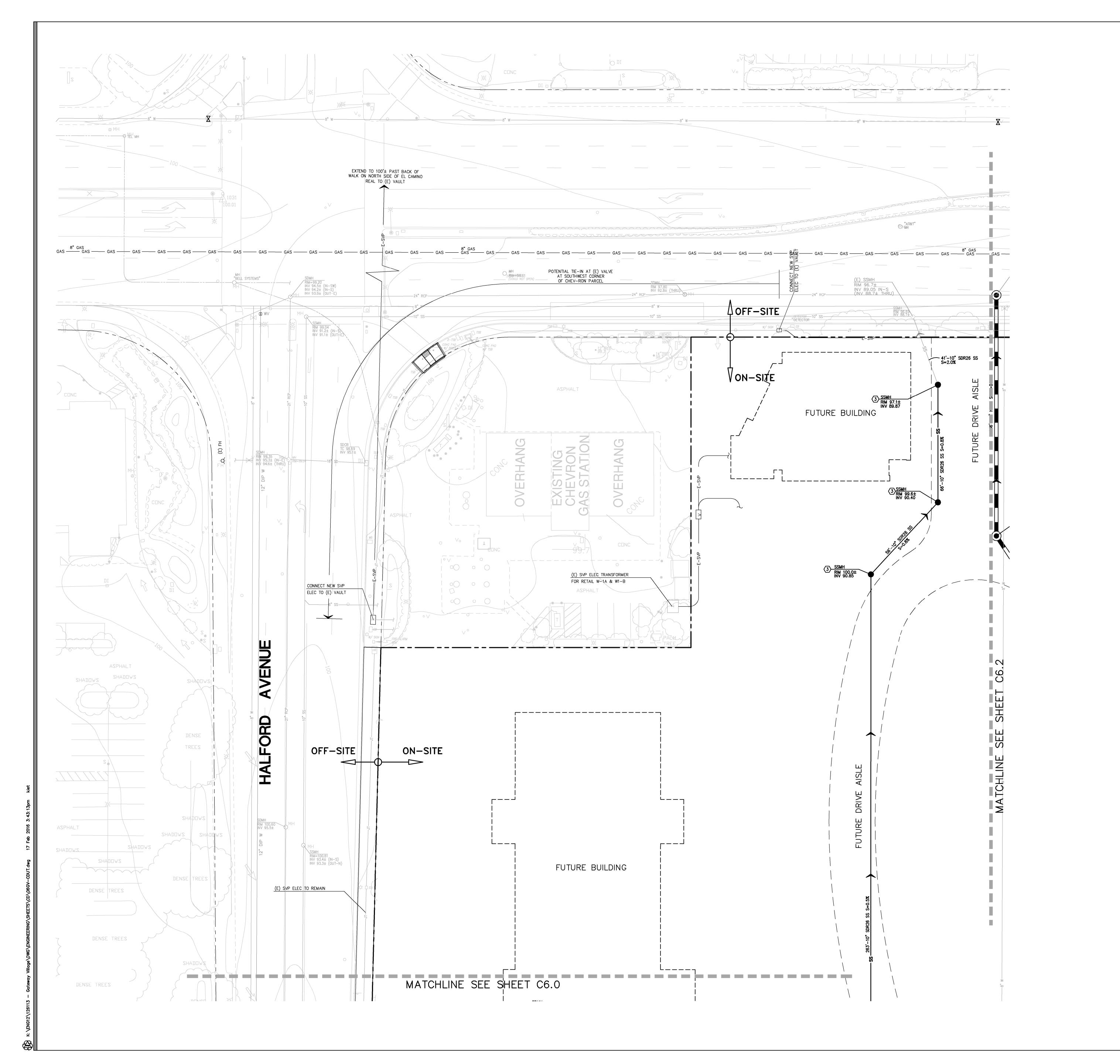
P.(415)677-0966

CA 94103



COMPOSITE UTILITY PLAN

C6.2



PROPERTY LINE LOT LINE/ADJ. PROPERTY LINI _____ TOP OF BANK (BIORETENTION) FLOW LINE (BIORETENTION)

STORM DRAIN LINE (UNTREATED) STORM DRAIN LINE (TREATED) SANITARY SEWER LINE

DOMESTIC WATER LINE FIRE WATER/SERVICE LINE

IRRIGATION LINE STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN STORM DRAIN DROP INLET STORM DRAIN JUNCTION BOX STORM DRAIN BUBBLER BOX

STORM DRAIN AREA DRAIN STORM DRAIN CLEAN OUT SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT DOUBLE CHECK DETECTOR ASSEMBLY POST INDICATOR VALVE

FIRE DEPARTMENT CONNECTION WATER VALVE WATER METER REDUCED PRESSURE BACKFLOW PRINCIPLE BACK FLOW PREVENTER

EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT SECTIONAL CONTROL VALVE

WHARF HYDRANT

PAD MOUNT TRANSFORMER (SHOWN FOR REFERENCE ONLY)

KEYNOTES

- STORM DRAIN MANHOLE (CONCENTRIC) PER CITY STD DS-1
- $\langle 2 \rangle$ storm drain manhole (eccentric) per city STD DS-1
- 3 SANITARY SEWER MANHOLE PER CITY STD DS-1
- (4) SANITARY SEWER CLEANOUT PER DETAIL 2, SHEET C10.0 5 STORM DRAIN CLEANOUT PER DETAIL 2, SHEET C10.0
- 6 BUBBLER BOX PER DETAIL 3, SHEET C10.0
- (7) LANDSCAPE AREA DRAIN PER DETAIL 1, SHEET C10.0
- 8 STORM DRAIN JUNCTION BOX W/ NON-SLIP SKID RESISTANT LID PER DETAIL X, SHEET CX.X
- (9) 10" TO 8" PIPE REDUCER
- DROP INLET PER DETAIL 4, SHEET C10.0
- (11) CURB INLET PER DETAIL 1, SHEET C10.1 (12) DOWNSPOUT, SEE ARCHITECTURAL DRAWINGS FOR DETAILS
- (13) FOR CONTINUATION, SEE FIRE PROTECTION DRAWINGS
- (14) FOR CONTINUATION, SEE PLUMBING DRAWINGS
- (15) FOR CONTINUATION, SEE ELECTRICAL DRAWINGS COMMENT TO DATIO LIMITED OF AD DDAIN W/ A" OF

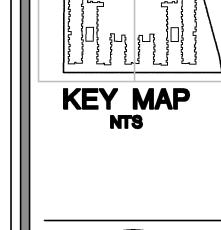
CONSTRUCTION NOTES

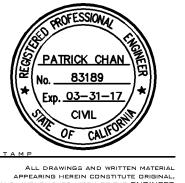
- JOINT TRENCH AND STREET LIGHT LINES & STRUCTURES ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE JOINT TRENCH PLANS FOR INFORMATION.
- 2. SEE LANDSCAPE PLANS FOR IRRIGATION LINES AND STRUCTURES
- 3. CONTRACTOR SHALL MAINTAIN 12" VERTICAL CLEARANCE ABOVE OR BELOW EXISTING AND NEW UTILITIES CROSSING.
- 4. HORIZONTAL DIMENSION ARE TAKEN FROM CENTER OF PIPE TO CENTER OF PIPE. RIM ELEVATION ARE SPECIFIED AT THE CENTER OF THE FRAME.
- 5. TRENCHES: A) PUBLIC UTILITIES TRENCHES PER CITY STD ST-24, SHEET C10.1.

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

- B) PRIVATE UTILITIES TRENCHES PER CMV STD ST-24, SHEET C10.1, AND PER GEOTECHNICAL REPORT. 6. PIPE MATERIAL:
- A) PRIVATE SD: HDPE ADS N-12 (SMOOTH INTERIOR),
- OR APPROVED EQUAL. B) PUBLIC SD: RCP CLASS 3
- C) SS (PRIVATE): PVC SDR 26 D) WATER (PRIVATE): PVC C900 CLASS 200





COMPOSITE UTILITY PLAN

C6.3

950 HOWARD STREET SAN FRANCISCO _..._ CA 94103 P.(415)677-0966 **SANTA CLARA SQUARE, LLC** 925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700 AD SDCO SSCO DCDA ◆ WV RPBP O SCV APRON CONC

SCHEMATIC DESIGN10/23/15

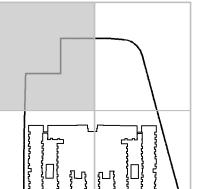
11/25/15 CD SET 1 12/10/15 CONCRETE SUBMITTAL 2/22/15 CD SET 2 12/22/15 1/25/16 CD SET 3

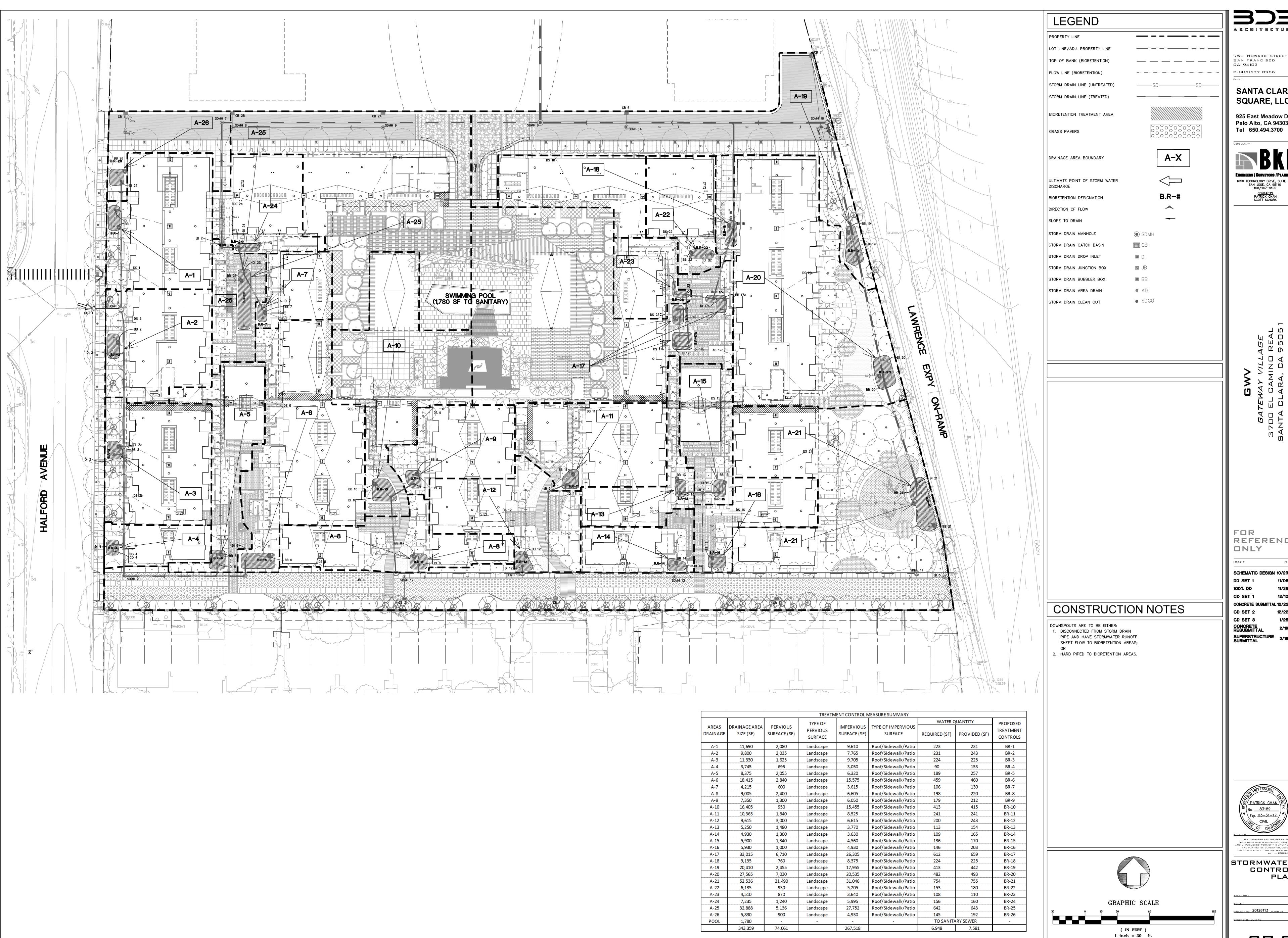
REFERENCE

ONLY

ARCHITECTURE

CONCRETE RESUBMITTAL 2/19/16





ARCHITECTURE

SAN FRANCISCO P.(415)677-0966

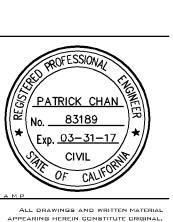
> **SANTA CLARA** SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

1650 TECHNOLOGY DRIVE, SUITE 650 SAN JOSE, CA 95110 408/467-9100

REFERENCE

SUPERSTRUCTURE 2/19/16

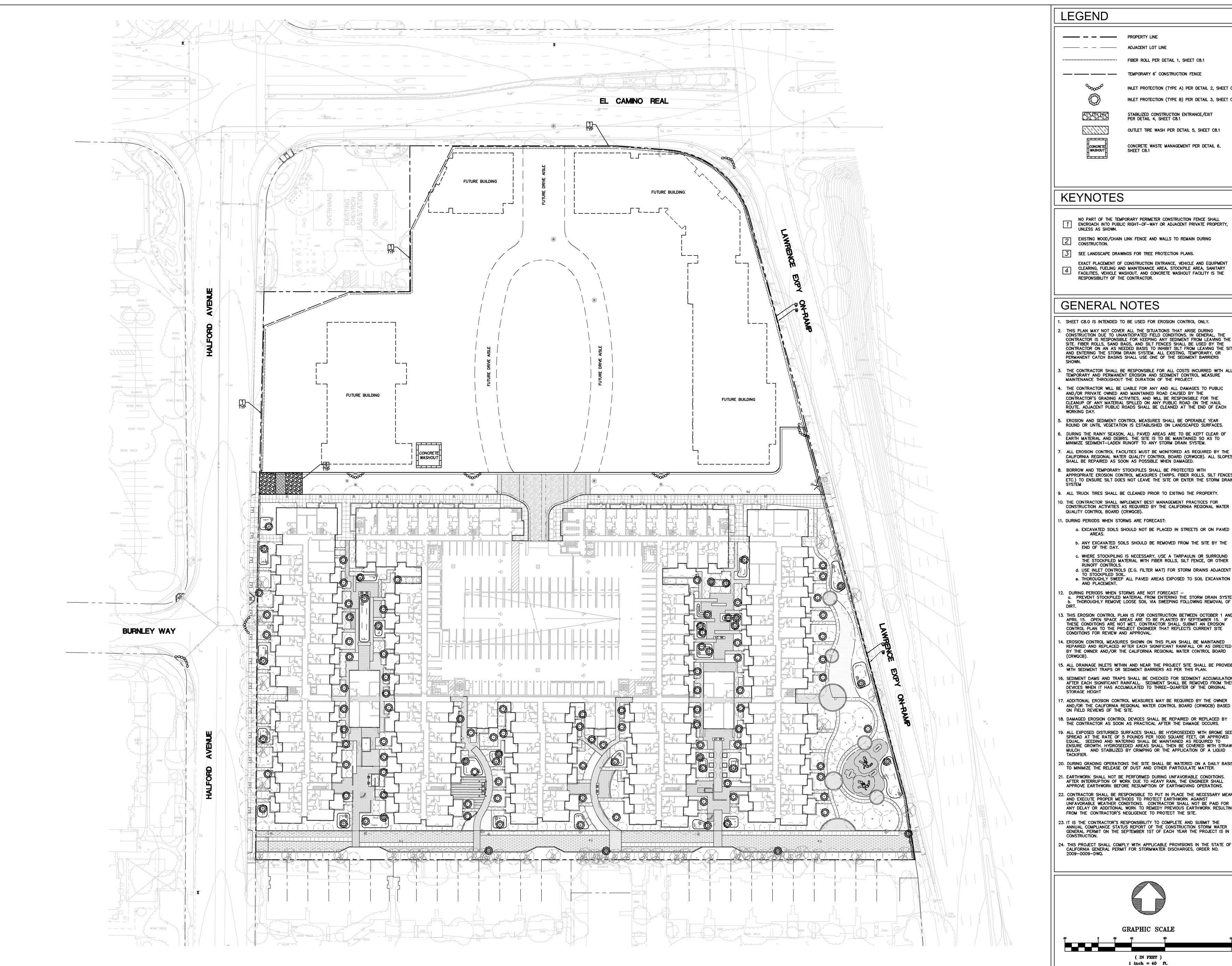


ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED ON DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. STORMWATER

CONTROL PLAN

PROJECT NO. 20126113 DRAWN BY SHEET SIZE: 30 x 42

C7.0



PROPERTY LINE _____

ADJACENT LOT LINE

FIBER ROLL PER DETAIL 1, SHEET C8.1

TEMPORARY 6' CONSTRUCTION FENCE

INLET PROTECTION (TYPE A) PER DETAIL 2, SHEET C8.1 INLET PROTECTION (TYPE B) PER DETAIL 3, SHEET C8.1

STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4, SHEET C8.1

CONCRETE WASTE MANAGEMENT PER DETAIL 6,

OUTLET TIRE WASH PER DETAIL 5, SHEET C8.1

Tel 650.494.3700

1650 TECHNOLOGY DRIVE, SUITE 650 SAN JOSE, CA 95110 408/467-9100

Palo Alto, CA 94303

ARCHITECTURE

950 HOWARD STREET SAN FRANCISCO

SANTA CLARA

SQUARE, LLC

925 East Meadow Drive

P.(415)677-0966

CA 94103

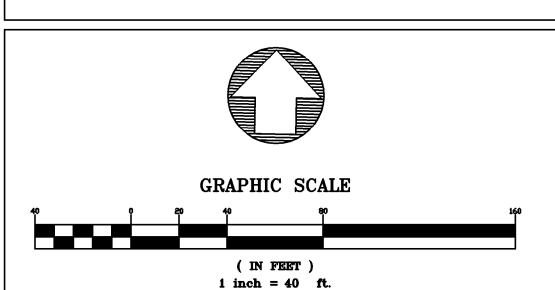
KEYNOTES

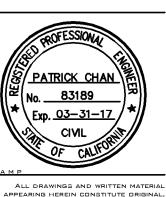
- NO PART OF THE TEMPORARY PERIMETER CONSTRUCTION FENCE SHALL 1 ENCROACH INTO PUBLIC RIGHT-OF-WAY OR ADJACENT PRIVATE PROPERTY,
- EXISTING WOOD/CHAIN LINK FENCE AND WALLS TO REMAIN DURING CONSTRUCTION.
- 3 SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION PLANS.
- EXACT PLACEMENT OF CONSTRUCTION ENTRANCE, VEHICLE AND EQUIPMENT CLEARING, FUELING AND MAINTENANCE AREA, STOCKPILE AREA, SANITARY FACILITIES, VEHICLE WASHOUT, AND CONCRETE WASHOUT FACILITY IS THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL NOTES

- SHEET C8.0 IS INTENDED TO BE USED FOR EROSION CONTROL ONLY.
- . THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ANY SEDIMENT FROM LEAVING THE SITE. FIBER ROLLS, SAND BAGS, AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED WITH ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURE MAINTENANCE THROUGHOUT THE DURATION OF THE PROJECT.
- THE CONTRACTOR WILL BE LIABLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATE OWNED AND MAINTAINED ROAD CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND WILL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE YEAR ROUND OR UNTIL VEGETATION IS ESTABLISHED ON LANDSCAPED SURFACES.
- DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM. ALL EROSION CONTROL FACILITIES MUST BE MONITORED AS REQUIRED BY THE
- CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (CRWQCB). ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED. BORROW AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH
- APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES, ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM
- 10. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES AS REQUIRED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (CRWQCB).
- 1. DURING PERIODS WHEN STORMS ARE FORECAST:
- b. ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE
- c. WHERE STOCKPILING IS NECESSARY, USE A TARPAULIN OR SURROUND THE STOCKPILED MATERIAL WITH FIBER ROLLS, SILT FENCE, OR OTHER
- RUNOFF CONTROLS. d. USE INLET CONTROLS (E.G. FILTER MAT) FOR STORM DRAINS ADJACENT TO STOCKPILED SOIL.

 e. THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION
- AND PLACEMENT.
- 2. DURING PERIODS WHEN STORMS ARE NOT FORECAST a. PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM.
 b. THOROUGHLY REMOVE LOOSE SOIL VIA SWEEPING FOLLOWING REMOVAL OF
- 3. THIS EROSION CONTROL PLAN IS FOR CONSTRUCTION BETWEEN OCTOBER 1 AND APRIL 15. OPEN SPACE AREAS ARE TO BE PLANTED BY SEPTEMBER 15. IF THESE CONDITIONS ARE NOT MET, CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE PROJECT ENGINEER THAT REFLECTS CURRENT SITE
- 14. EROSION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE MAINTAINED REPAIRED AND REPLACED AFTER EACH SIGNIFICANT RAINFALL OR AS DIRECTED BY THE OWNER AND/OR THE CALIFORNIA REGIONAL WATER CONTROL BOARD
- 15. ALL DRAINAGE INLETS WITHIN AND NEAR THE PROJECT SITE SHALL BE PROVIDED WITH SEDIMENT TRAPS OR SEDIMENT BARRIERS AS PER THIS PLAN.
- 16. SEDIMENT DAMS AND TRAPS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT SHALL BE REMOVED FROM THESE DEVICES WHEN IT HAS ACCUMULATED TO THREE-QUARTER OF THE ORIGINAL STORAGE HEIGHT
- 7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE OWNER AND/OR THE CALIFORNIA REGIONAL WATER CONTROL BOARD (CRWQCB) BASED ON FIELD REVIEWS OF THE SITE.
- 8. DAMAGED EROSION CONTROL DEVICES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS SOON AS PRACTICAL AFTER THE DAMAGE OCCURS.
- 19. ALL EXPOSED DISTURBED SURFACES SHALL BE HYDROSEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 POUNDS PER 1000 SQUARE FEET, OR APPROVED EQUAL. SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH. HYDROSEEDED SHALL THEN BE COVERED WITH STRAW MULCH AND STABILIZED BY CRIMPING OR THE APPLICATION OF A LIQUID
- 20. DURING GRADING OPERATIONS THE SITE SHALL BE WATERED ON A DAILY BASIS TO MINIMIZE THE RELEASE OF DUST AND OTHER PARTICULATE MATTER.
- 21. EARTHWORK SHALL NOT BE PERFORMED DURING UNFAVORABLE CONDITIONS. AFTER INTERRUPTION OF WORK DUE TO HEAVY RAIN, THE ENGINEER SHALL APPROVE EARTHWORK BEFORE RESUMPTION OF EARTHMOVING OPERATIONS. 22. CONTRACTOR SHALL BE RESPONSIBLE TO PUT IN PLACE THE NECESSARY MEANS
- AND EXECUTE PROPER METHODS TO PROTECT EARTHWORK AGAINST UNFAVORABLE WEATHER CONDITIONS. CONTRACTOR SHALL NOT BE PAID FOR ANY DELAY OR ADDITIONAL WORK TO REMEDY PREVIOUS EARTHWORK RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO PROTECT THE SITE. 23. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE AND SUBMIT THE ANNUAL COMPLIANCE STATUS REPORT OF THE CONSTRUCTION STORM WATER GENERAL PERMIT ON THE SEPTEMBER 1ST OF EACH YEAR THE PROJECT IS IN
- 24. THIS PROJECT SHALL COMPLY WITH APPLICABLE PROVISIONS IN THE STATE OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES, ORDER NO. 2009-0009-DWQ.





REFERENCE

SCHEMATIC DESIGN10/23/15

CONCRETE SUBMITTAL 2/22/15

SUPERSTRUCTURE 2/19/16

100% DD

CD SET 1

CD SET 3

CONCRETE RESUBMITTAL

11/06/15

11/25/15

12/10/15

1/25/16

2/19/16

APPEARING HEREIN CONSTITUTE ORIGINAL ID UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. EROSION

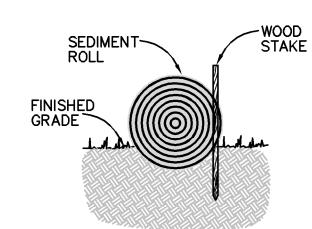
CONTROL

PLAN

PROJECT NO. 20126113 DRAWN BY

C8.0

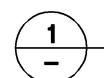
ENTRENCHMENT DETAIL IN SLOPE AREA



ENTRENCHMENT DETAIL IN FLAT AREA

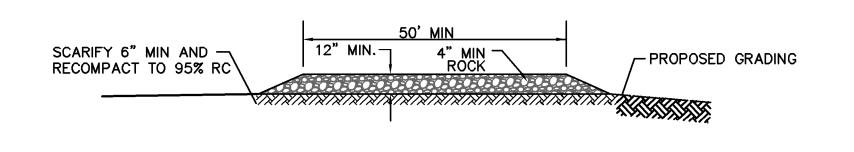
NOTES:

- 1. USE REED & GRAHAM, INC. GEOSYNTHETICS STRAW WATTLE FIBER ROLL (COMES IN 9" X 25' ROLLS) OR APPROVED EQUIVALENT.
- 2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE FIBER ROLL IN A TRENCH, 3" - 5" DEEP, DUG ON CONTOUR.
- 3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET.
- 4. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY. IN PAVED AREAS, USE SAND BAGS TO SECURE FIBER ROLLS IN PLACE OF WOOD STAKE.



FIBER ROLL

SCALE: NTS

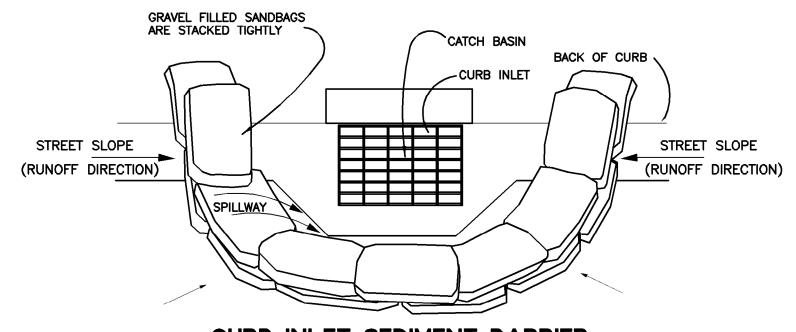


- 1. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE DESIGNED AND MAINTAINED IAW 2010 CFC,
- CHAPTER 5, 503.2.3.MVW 45,000 LBS. SCARIFY THE TOP 6" OF SUBGRADE AND RECOMPACT TO AT LEAST 95% RELATIVE COMPACTION. THE LOCATIONS SHOWN ARE FOR INFORMATION ONLY. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL ROCK AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.
- 4. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED ROCK THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. SEDIMENT SHALL BE PREVENTED FROM ENTERING THE STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF INLET PROTECTION (E.G. GRAVELBAGS OR OTHER APPROVED METHODS).
- 5. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 4" MIN ROCK. 6. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12". THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, OR 25',
- WHICHEVER IS LESS. 7. THE LENGTH OF THE PAD SHALL NOT BE LESS THAN 50'.

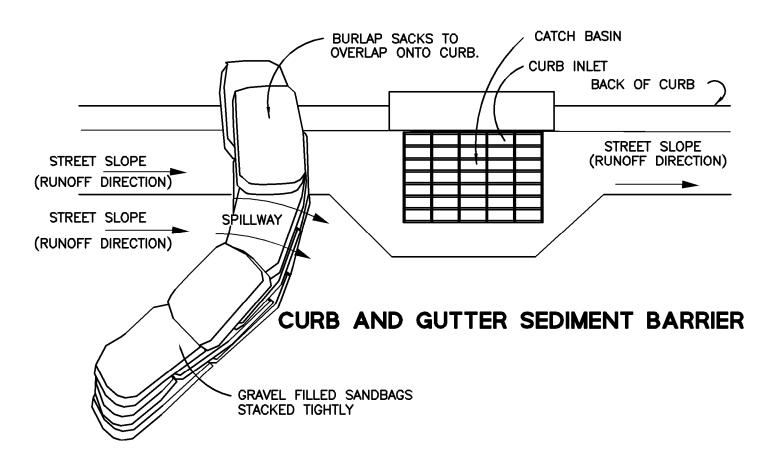


4 STABILIZED CONSTRUCTION ENTRANCE/EXIT

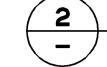
SCALE: NTS



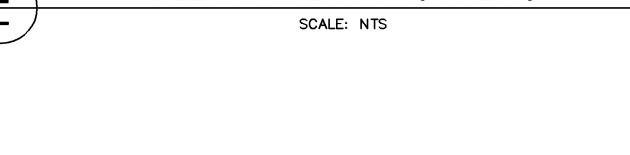
CURB INLET SEDIMENT BARRIER

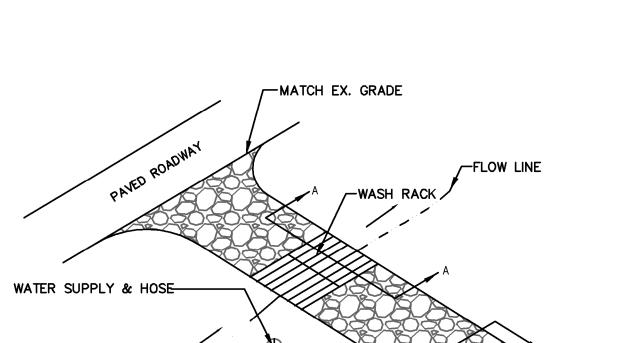


- PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREETS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
- SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY
- LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY OVERFLOW. TOP OF SPILLWAY SHALL BE LOWER THAN TOP OF CURB.
- 4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

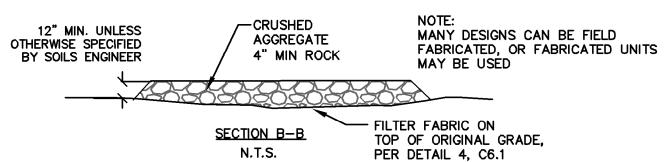


INLET PROTECTION (TYPE A)



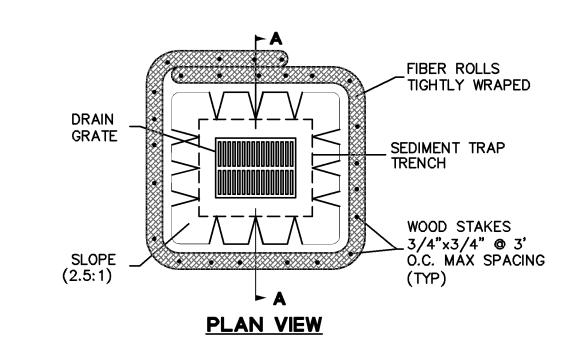


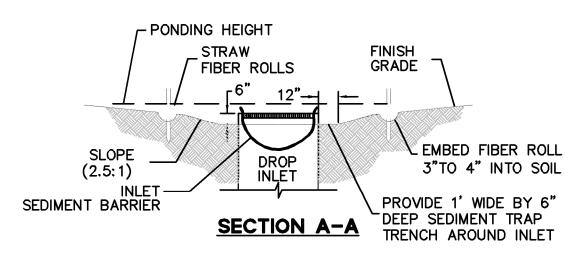
-CRUSHED AGGREGATE 12" MIN. UNLESS OTHERWISE SPECIFIED BY SOILS ENGINEER 4" MIN ROCK STEEL PANELS FILTER FABRIC ON TOP OF ORIGINAL GRADE, SECTION A-A PER DETAIL 4, C6.1



OUTLET TIRE WASH

SCALE: NTS



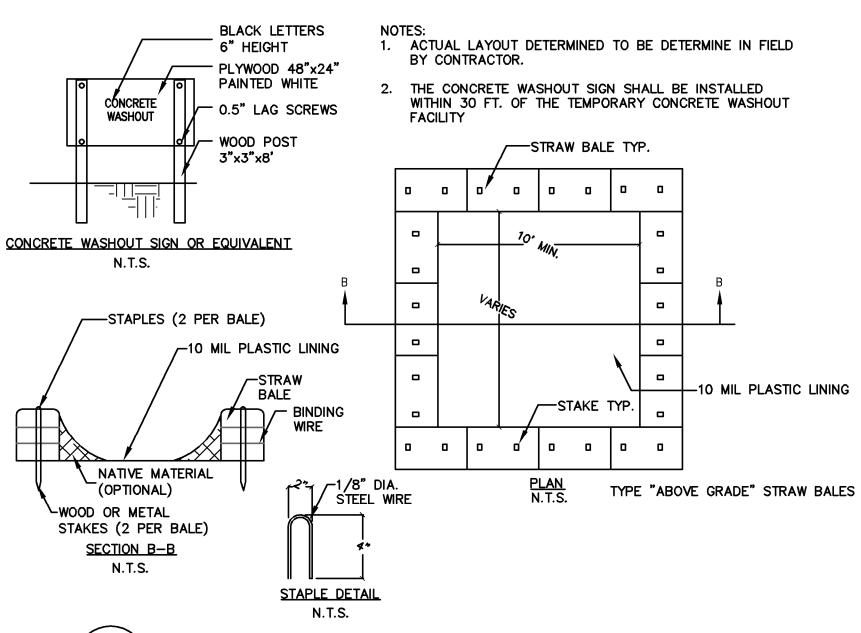


NOTE:

1. PLACE FIBER ROLLS AROUND THE INLET CONSISTENT WITH BASIN SEDIMENT BARRIER DETAIL ON THE SHEET. FIBER ROLLS ARE TUBES MADE FROM STRAW BOUND WITH PLASTIC NETTING. THEY ARE APPROXIMATELY 8" DIAMETER AND 20-30 FEET LONG.

INLET PROTECTION (TYPE B)

SCALE: NTS



CONCRETE WASTE MANAGEMENT

SCALE: NTS

CA 94103 P.(415)677-0966

950 HOWARD STREET SAN FRANCISCO

ARCHITECTURE

SANTA CLARA

SQUARE, LLC 925 East Meadow Drive

Palo Alto, CA 94303

Tel 650.494.3700

1650 TECHNOLOGY DRIVE, SUITE 650 SAN JOSE, CA 95110 408/467-9100

REFERENCE

ISSUE SCHEMATIC DESIGN10/23/15 DD SET 1 100% DD CD SET 1 12/10/15 CONCRETE SUBMITTAL 2/22/15 CD SET 2 CD SET 3 1/25/16 CONCRETE RESUBMITTAL

SUPERSTRUCTURE 2/19/16

2/19/16

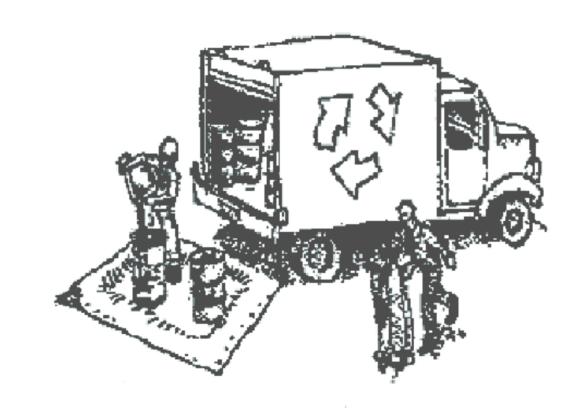
S PATRICK CHAN (²²(No. <u>83189</u>

AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. EROSION CONTROL DETAILS

PROJECT NO. 20126113 DRAWN BY

C8.1

Materials & Waste Management



Non-Hazardous Materials

- ☐ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or when they are not in use.
- ☐ Use (but don't overuse) reclaimed water for dust control
- ☐ Ensure dust control water doesn't leave site or discharge to storm

Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with City, County, State and Federal regulations.
- ☐ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ☐ Follow manufacturer's application instructions for hazardous materials and do not use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☐ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ☐ Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. A plastic liner is recommended to prevent leaks. Never clean out a dumpster by hosing it down on the construction site.
- ☐ Place portable toilets away from storm drains. Make sure they are in good working order. Check frequently for leaks.
- ☐ Dispose of all wastes and demolition debris properly. Recycle materials and wastes that can be recycled, including solvents, waterbased paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation.
- ☐ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.
- ☐ Keep site free of litter (e.g. lunch items, cigarette butts).
- ☐ Prevent litter from uncovered loads by covering loads that are being transported to and from site.

Construction Entrances and Perimeter

- ☐ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☐ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



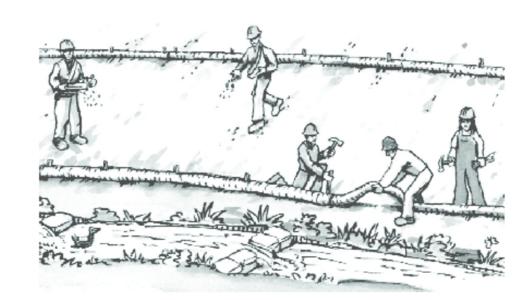
Maintenance and Parking

- ☐ Designate an area of the construction site, well away from streams or storm drain inlets and fitted with appropriate BMPs, for auto and equipment parking,
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ☐ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ☐ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment, and do not use diesel oil to lubricate equipment or parts

Spill Prevention and Control

- ☐ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ☐ Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks. Use drip pans to catch leaks until repairs are made.
- ☐ Clean up leaks, drips and other spills immediately and dispose of cleanup materials properly.
- ☐ Use dry cleanup methods whenever possible (absorbent materials, cat litter and/or rags).
- ☐ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report significant spills to the appropriate local spill response agencies immediately. If the spill poses a significant hazrd to human health and safety, property or the environment, you must report it to the State Office of Emergency Services. (800) 852-7550 (24

Earthmoving



Grading and Earthwork

- ☐ Schedule grading and excavation work during dry weather.
- ☐ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☐ Remove existing vegetation only when absolutely necessary, plant temporary vegetation for erosion control on slopes or where construction is not immediately planned
- ☐ Prevent sediment from migrating offsite and protect storm drain inlets, drainage courses and streams by installing and maintaining appropriate BMPs (i.e. silt fences, gravel bags, fiber rolls, temporary swales, etc.).
- ☐ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

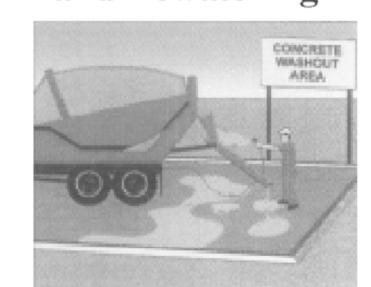
- ☐ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
- Unusual soil conditions, discoloration, or odor.
- Abandoned underground tanks.
- Abandoned wells
- Buried barrels, debris, or trash
- ☐ If the above conditions are observed. document any signs of potential contamination and clearly mark them so they are not distrurbed by construction activities.

Landscaping

- ☐ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ☐ Stack bagged material on pallets and under cover.
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

Concrete Management and Dewatering



Concrete Management

- ☐ Store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Store materials off the ground, on pallets. Protect dry materials from wind.
- ☐ Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) block any storm drain inlets and vacuum washwater from the gutter. If possible, sweep first.
- ☐ Wash out concrete equipment/trucks offsite or in a designated washout area onsite, where the water will flow into a temporary waste pit, and make sure wash water does not leach into the underlying soil. (See CASQA Construction BMP Handbook for properly designed concrete washouts.)

Dewatering

- ☐ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible, send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer, call your local wastewater treatment plant.
- ☐ Divert run-on water from offsite away from all disturbed areas.
- ☐ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ☐ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Paving/Asphalt Work



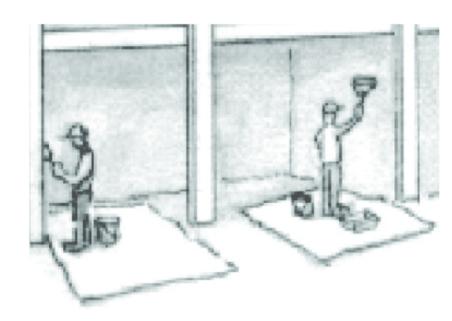
Paving

- ☐ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ☐ Cover storm drain inlets and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- Collect and recycle or properly dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.

Sawcutting & Asphalt/Concrete Removal

- ☐ Protect storm drain inlets during saw
- ☐ If saw cut slurry enters a catch basin, clean it up immediately.
- ☐ Shovel or vacuum saw cut slurry deposits and remove from the site. When making saw cuts, use as little water as possible. Sweep up, and properly dispose of all residues.

Painting & Paint Removal

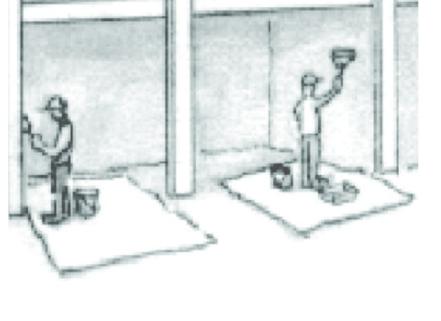


Painting Cleanup and Removal

- containers into a street, gutter, storm drain, or stream.
- ☐ For water-based paints, paint out brushes drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of
- ☐ Sweep up or collect paint chips and dust from non-hazardous dry stripping and sand blasting into plastic drop cloths and dispose of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. certified contractor.

CONCRETE SUBMITTAL 2/22/15 CONCRETE RESUBMITTAL SUPERSTRUCTURE 2/19/16





☐ Never clean brushes or rinse paint

- to the extent possible, and rinse into a
- excess liquids as hazardous waste.
- Lead based paint removal requires a state-

PATRICK CHAN No. 83189

Exp. 03-31-17

CIVIL

ARCHITECTURE

SANTA CLARA

SQUARE, LLC

925 East Meadow Drive Palo Alto, CA 94303 Tel 650.494.3700

TEV EL CL

GA OO ATA

REFERENCE

SCHEMATIC DESIGN10/23/15

11/06/15

11/25/15

12/10/15

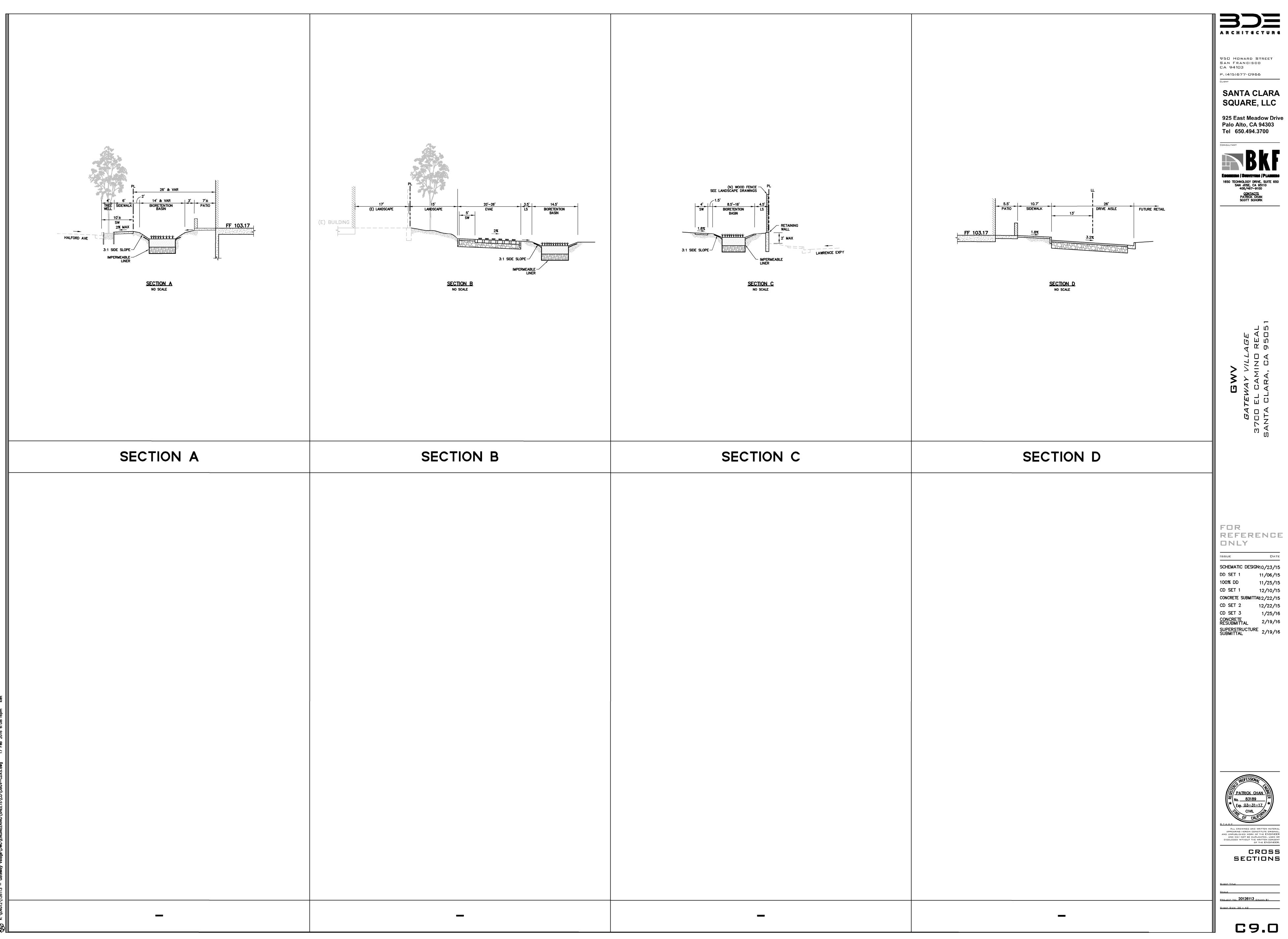
1/25/16

2/19/16

DNLY

MANAGEMENT PRACTICES

C8.2



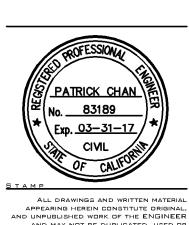
ARCHITECTURE

P.(415)677-0966

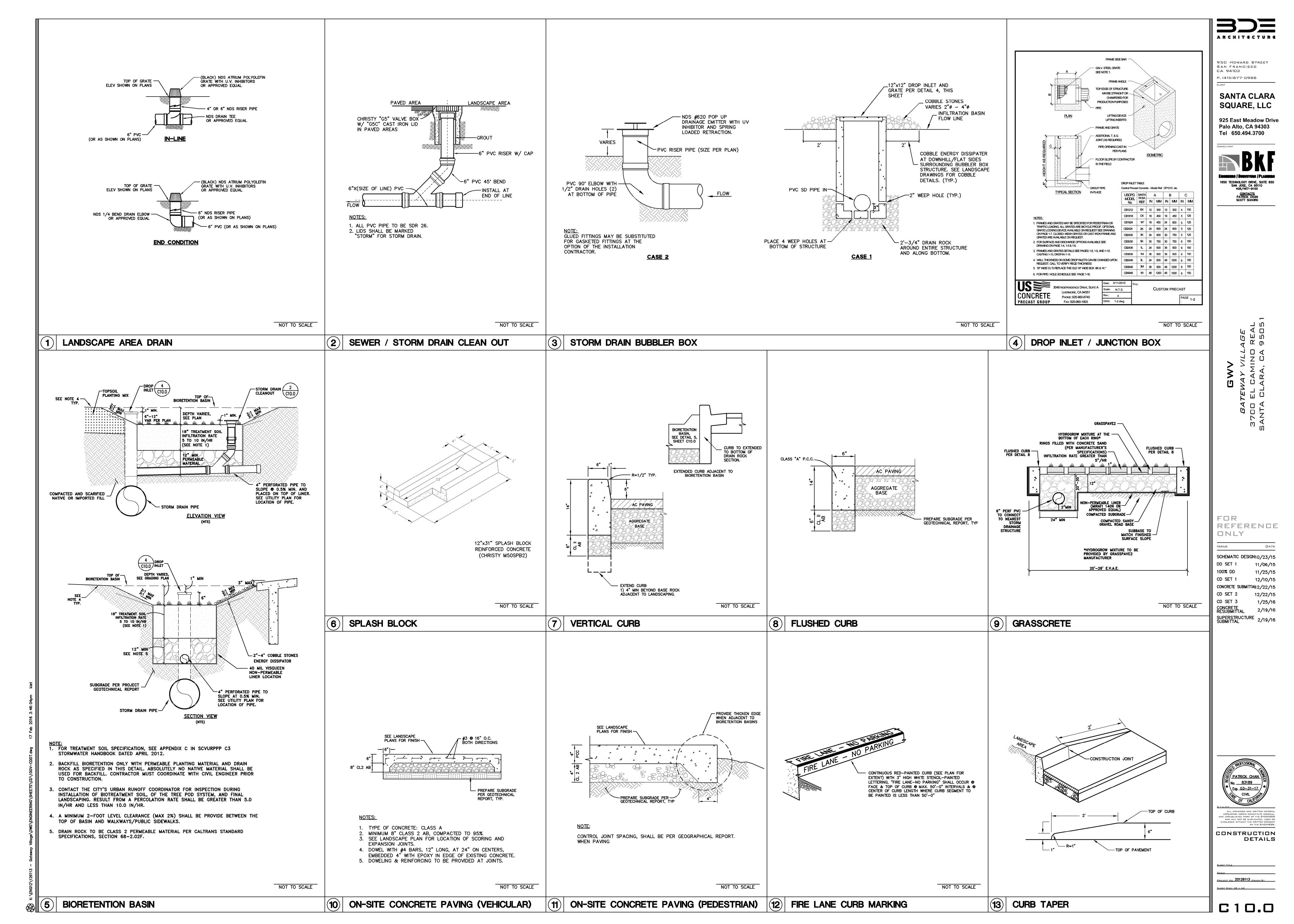
SANTA CLARA

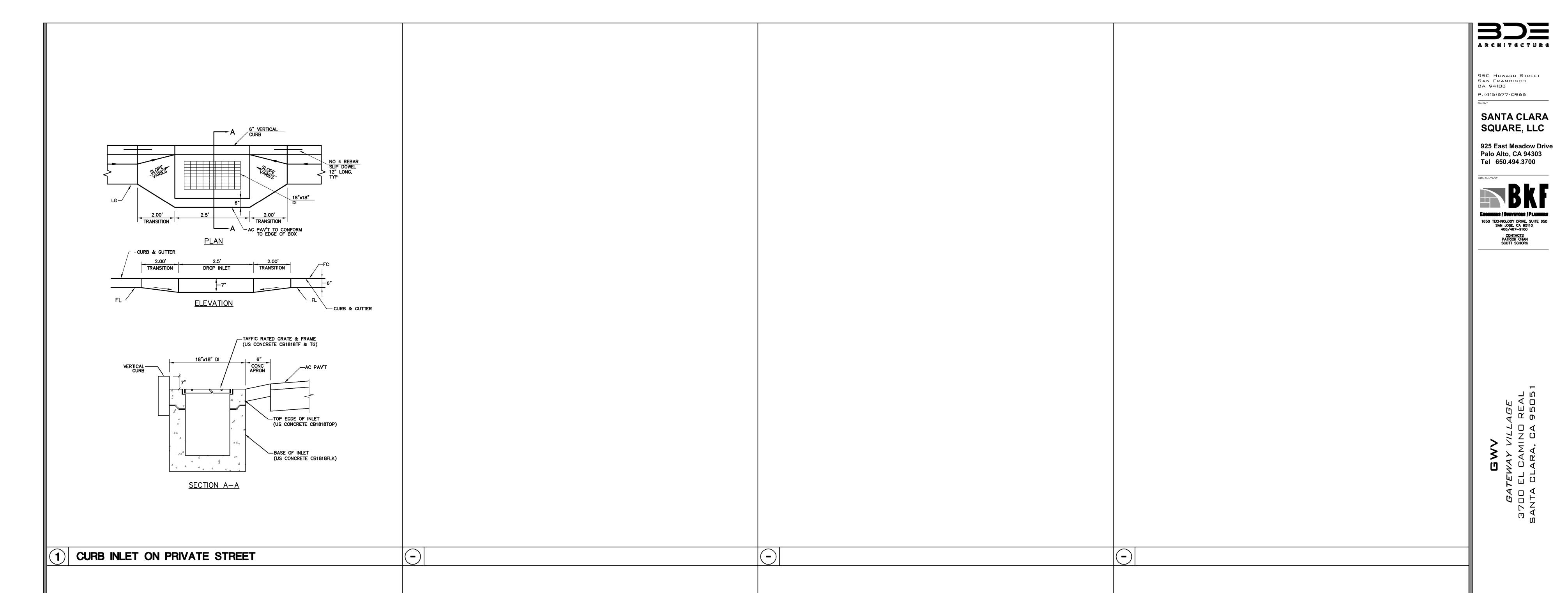


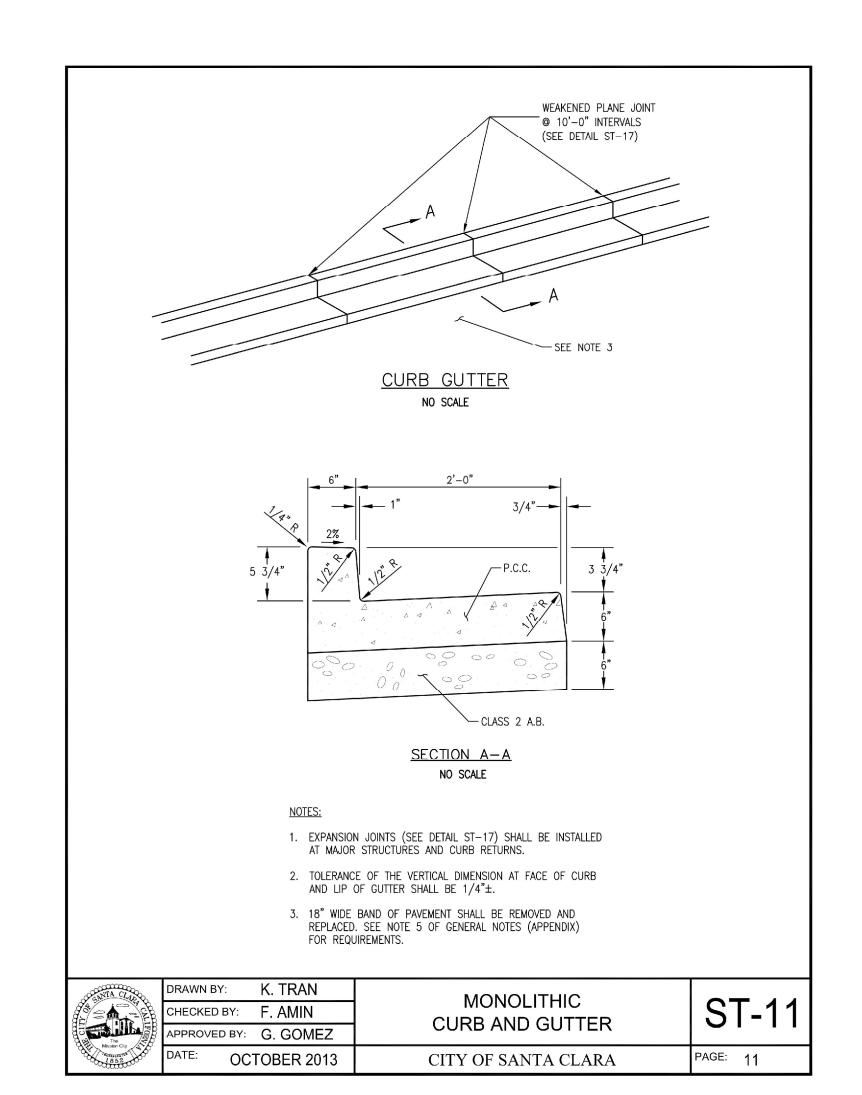
FOR REFERENCE ONLY

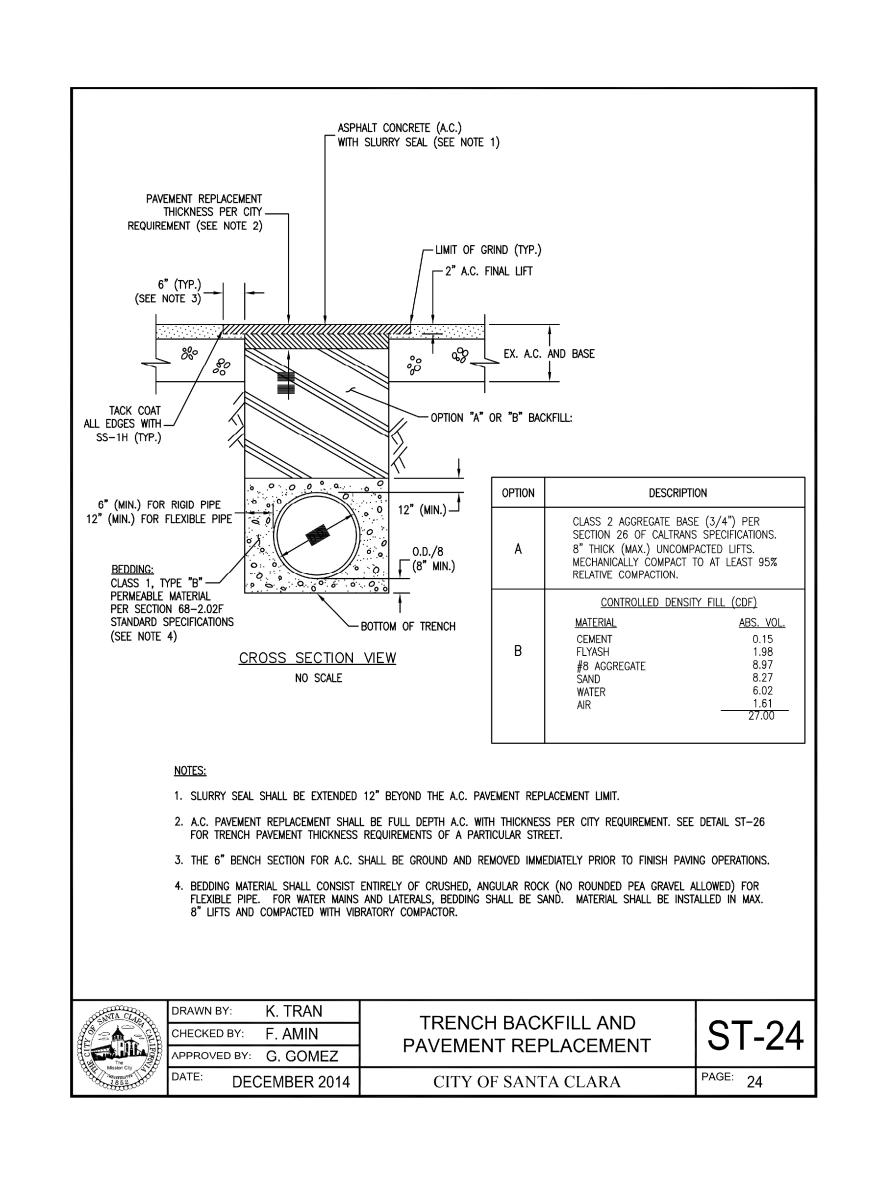


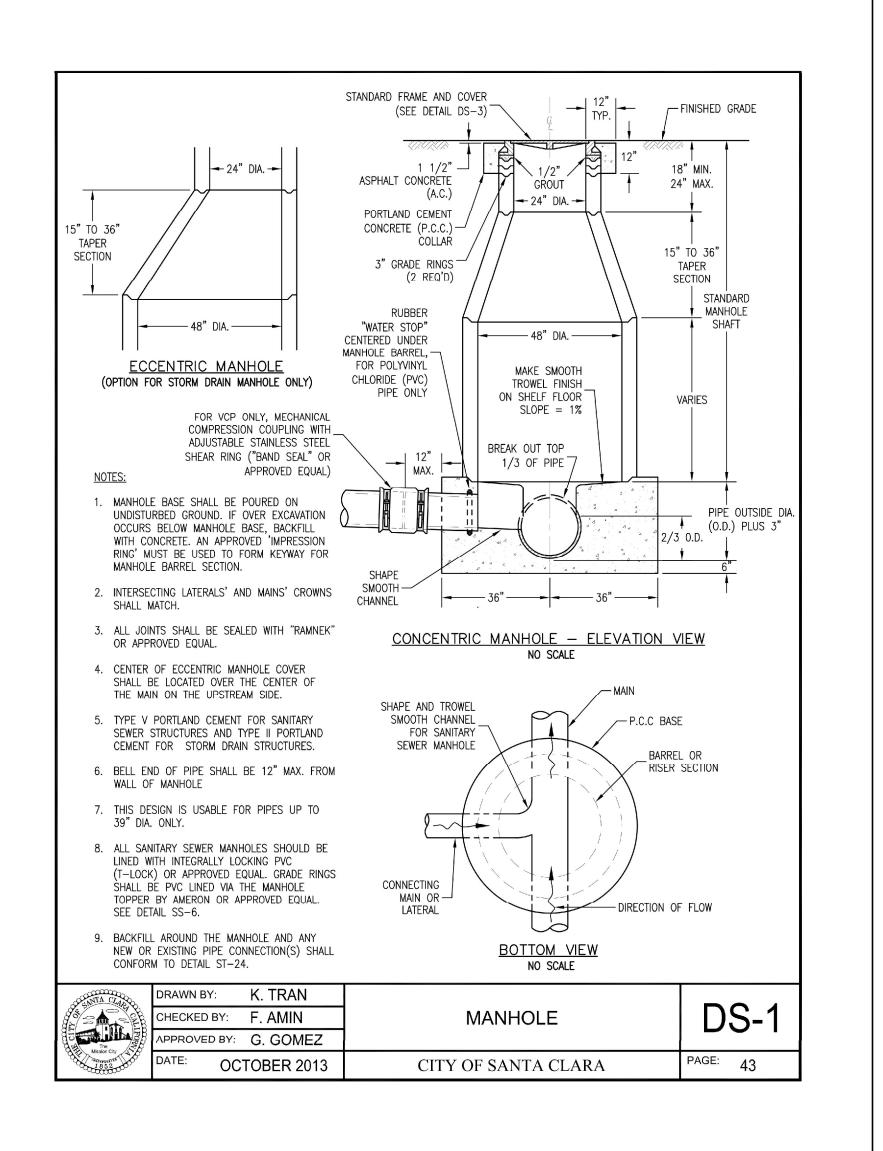
CROSS SECTIONS





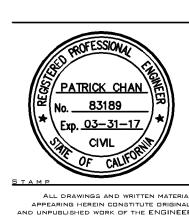








SCHEMATIC DESIGN10/23/15
DD SET 1 11/06/15
100% DD 11/25/15
CD SET 1 12/10/15
CONCRETE SUBMITTAL 2/22/15
CD SET 2 12/22/15
CD SET 3 1/25/16
CONCRETE RESUBMITTAL 2/19/16
SUPERSTRUCTURE SUBMITTAL 2/19/16



STAMP

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL, AND UNPUBLISHED WORK OF THE ENGINEER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

CONSTRUCTION DETAILS

SCALE

PROJECT NO. 20126113 DRAWN BY

SHEET SIZE: 30 x 42

C 1 O. 1

SHEET TITLE