OFFICE COMPLEX

580 N. MARY AVE, SUNNYVALE, CALIFORNIA

PLANNING/ DESIGN RESUBMITTAL 01/06/2012
PLANNING/ DESIGN SUBMITTAL 09/30/2011

PROJECT DESCRIPTION:

BUILD A NEW 124,000 SF 5-STORY OFFICE BUILDING ON AN EXISTING SITE OCCUPIED BY A POST OFFICE, AT 55% FAR WITH LEED GOLD CERTIFICATION FOR FAR BOUNS.

THIS CLASS A OFFICE BUILDING IS DESIGNED WITH CONTEMPORARY ARCHITECTURAL VOCABULARY, HIGH QUALITY AND HIGH PERFORMANCE MATERIALS. THE CENTRAL BOAT-SHAPE SCREEN WALLS AND THE CORNER TERRACES PROVIDE AN INTERESTING VARIATION OF BUILDING HEIGHTS AND VISUAL EFFECTS.

THE CONFIGURATION OF THE SITE AND THE DESIGN OF THE BUILDING MAKE THIS PROJECT HIGHLY DESIRABLE TO PRIME BUSINESSES AND SURROUNDING NEIGHBORHOODS.

SITE & PARKING STATISTICS

SITE STATISTICS	BRIA	
LOT SIZE (ACRES)	5.18	
LOT SIZE (SQ. FT)	225,640	
OFFICE BUILDING STATISTICS		
NUMBER OF BUILDINGS	1	
STORIES OF BUILDINGS	5	
FOOTPRINT PER BLDG. (SQ. FT.)	24,400	
TOTAL FOOTPRINT (SQ. FT)	124,045	
FAR (W/ LEED GOLD BONUS)	0.55	
GARAGE		
AREA (SQ. FT)	28,650	
PARKING STATISTICS		
PARKING PROVIDED		
PARKING STRUCTURES	1	
CARS IN STRUCTURES (INC. GRADE)	144	
CARS AT GRADE	267	
TOTAL CARS	411	(3.3/1,000)
H/C STALLS	12	
BIKE STALLS	22	

FLOOR AREA SUMMARY

FLOOR	CBC GROSS AREA PER CBC 5021 & CBC 10021
1ST	20,615 S.F.
2ND	24,450 S.F.
3RD	27,550 S.F.
4TH	24,300 S.F.
5TH	27,150 S.F.
TOTAL	124,045 S.F.

DRAWINGS INDEX

- COVER SHEET

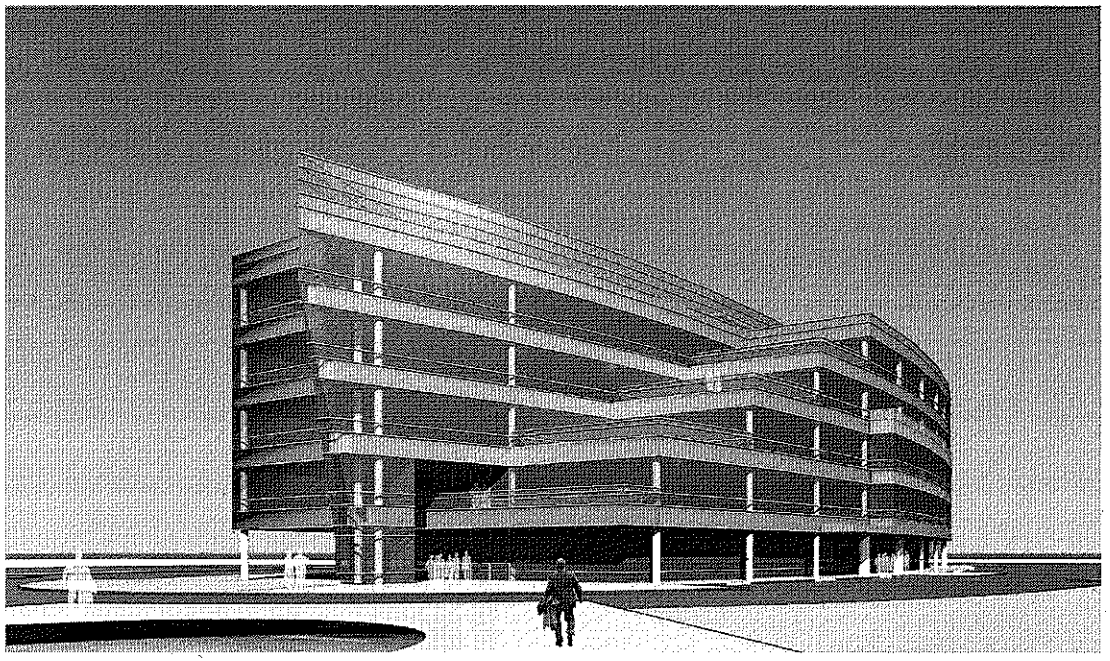
SITE
A1.0 EXISTING SITE CONTEXT PHOTOS
A1.1 SITE PLAN, SITE & PARKING STATISTICS
A1.2 SITE DETAILS
A1.3 3D PERSPECTIVES
A1.4 3D ISOMETRICS

CIVIL
C2.0 TOPOGRAPHY
C4.0 GRADING AND DRAINAGE PLAN
C5.0 UTILITY PLAN
C6.0 EROSION CONTROL PLAN
C7.0 CONSTRUCTION DETAILS
C7.1 CONSTRUCTION DETAILS
C7.2 CONSTRUCTION DETAILS

ARCHITECTURAL
A2.1 FIRST FLOOR PLAN
A2.2 SECOND FLOOR PLAN
A2.3 THIRD FLOOR PLAN
A2.4 FOURTH FLOOR PLAN
A2.5 FIFTH FLOOR PLAN
A2.6 ROOF PLAN
A2.7 PARKING GARAGE LOWER LEVEL PLAN
A2.8 PARKING GARAGE UPPER LEVEL PLAN

A3.1 OFFICE BLDG EXTERIOR ELEVATIONS
A3.2 PARKING GARAGE ELEVATIONS
A3.3 BUILDING SECTIONS
A3.4 BUILDING SECTIONS
A3.5 EXTERIOR WALL SECTIONS
A3.6 EXTERIOR WALL SECTIONS

LANDSCAPE
L-1 LANDSCAPE CONSTRUCTION PLAN/ DETAILS
L-3 LANDSCAPE PLANTING PLAN
L-4 LANDSCAPE PARKING LOT SHADING PLAN



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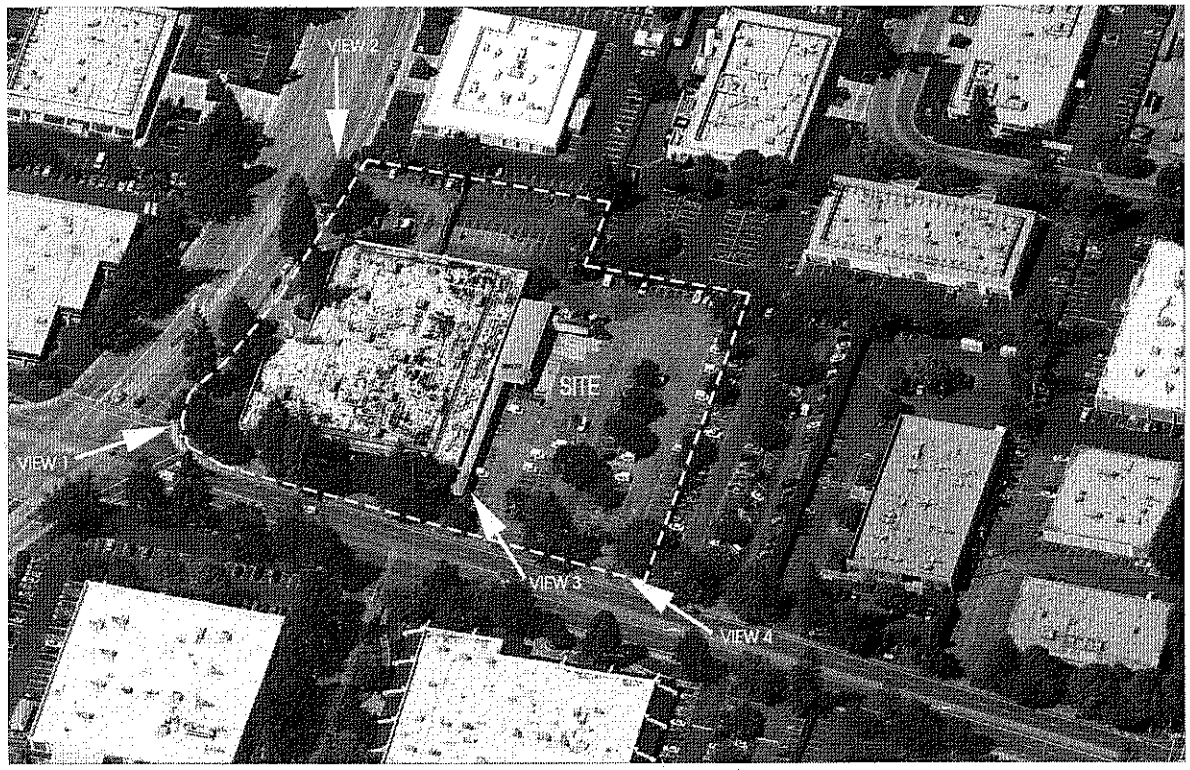
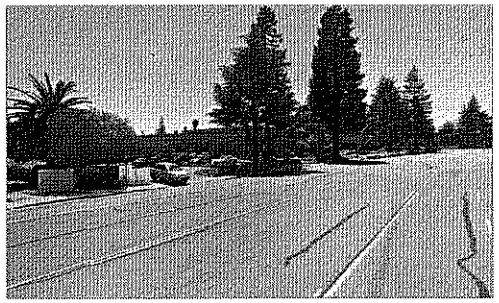


1 A1.0 SITE AERIAL
SCALE: -

VIEW 1



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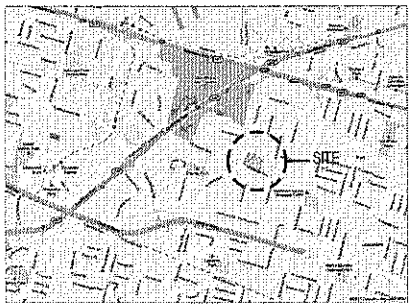
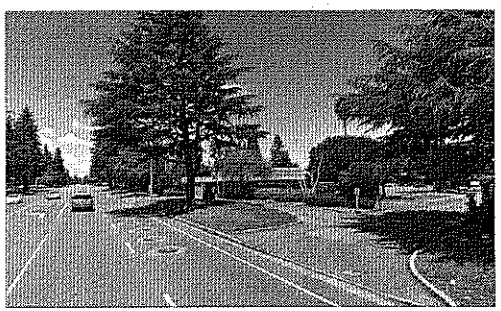


VICINITY MAP



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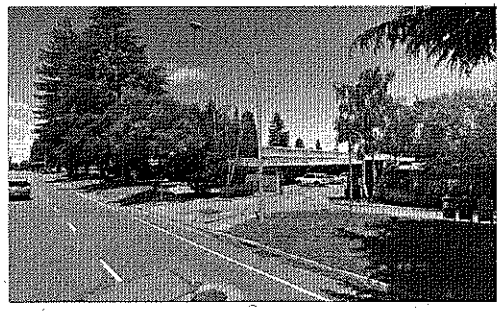

VIEW 3

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Page 2 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

EXISTING SITE CONTEXT
PHOTOS

Project Number:	2011A101
Date:	10/20/2010
Scale	1"=50'-0"

A1.0

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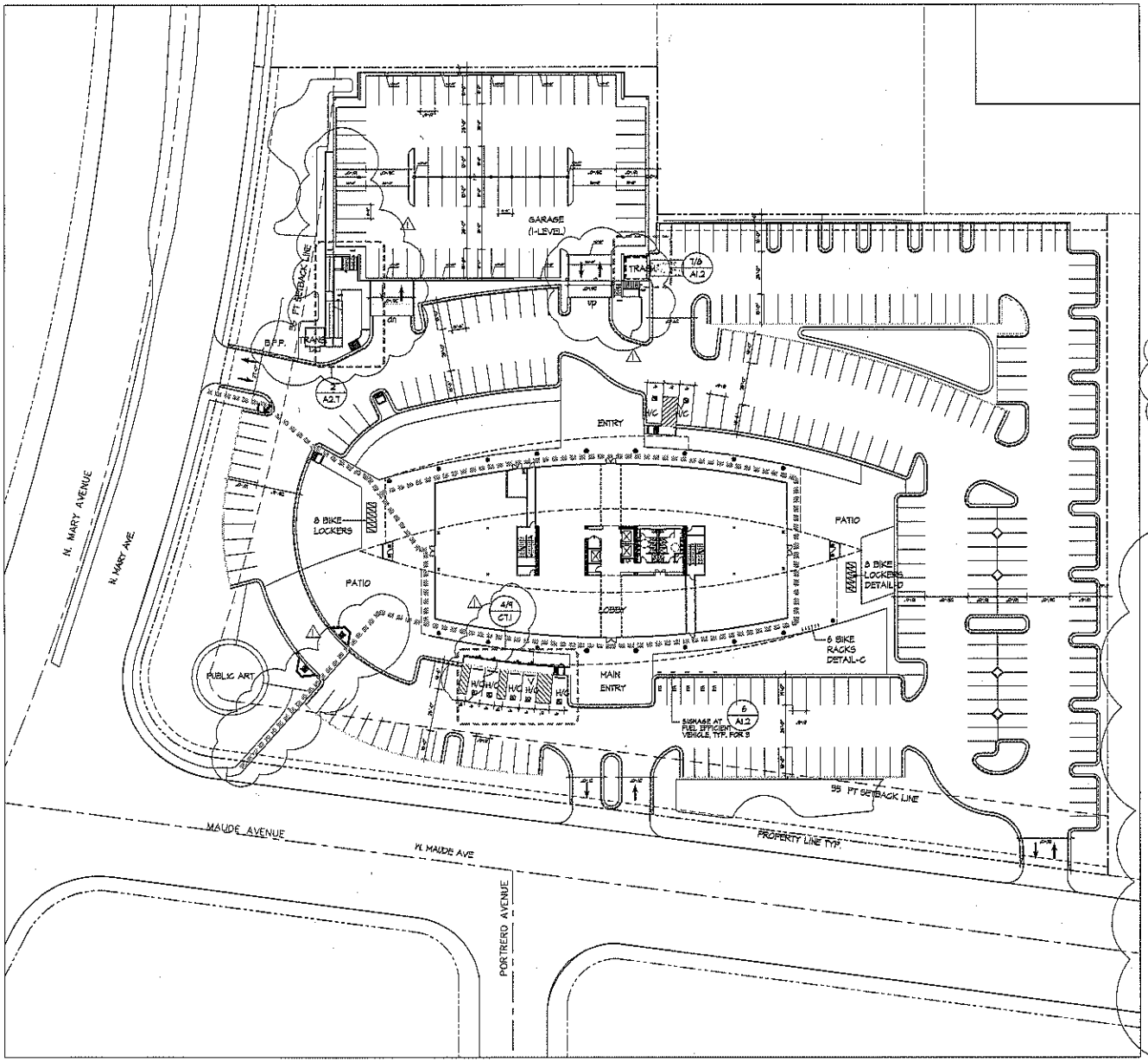


1 A1.1 SITE PLAN
SCALE: 1"= 30'-0"

LEGEND:

ACCESSIBLE PATH OF TRAVEL SHALL CONFORM TO CBC 2010

PROPERTY LINE

NOTES:

1. SEE LANDSCAPE AND CIVIL DRAWINGS FOR NEW CURB CUTS, RAMPS, SLOPES, WALKS, CROSS SLOPES, ETC. ALONG THE EXTERIOR ROUTE OF TRAVEL.
2. 5% OF PARKING RESERVED FOR FUEL EFFICIENT VEHICLES.

SITE & PARKING STATISTICS

SITE STATISTICS	BRIA
LOT SIZE (ACRES)	5.18
LOT SIZE (SQ. FT.)	225,640

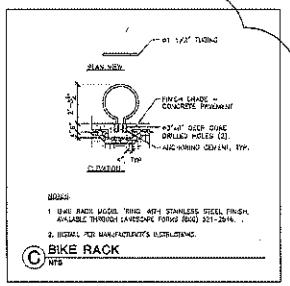
OFFICE BUILDING STATISTICS	
NUMBER OF BUILDINGS	1
STORIES OF BUILDINGS	5
FOOTPRINT PER BLDG. (SQ. FT.)	24,400
TOTAL FOOTPRINT (SQ. FT.)	124,045
FAR (W/ LEED GOLD BONUS)	0.55

GARAGE	
AREA (SQ. FT.)	28,650

PARKING STATISTICS	
PARKING PROVIDED	
PARKING STRUCTURES	1
CARS IN STRUCTURES (INC. GRADE)	145
CARS AT GRADE	257
TOTAL CARS	404 (8.3/1,000)
H/C STALLS	12 (5 @ GARAGE) (7 @ GRADE)
BIKE STALLS	22 (16 LOCKERS) (6 RACKS)

NOTES:

1. SEE DRAWING G0.2 FOR BUILDING AREA FLOOR SUMMARY. SEE DRAWING A1.2 FOR LOCATION ASSUMED PROPERTY
2. 5% OF TOTAL PARKING SHALL BE PREFERRED PARKING FOR LOW-EMITTING VEHICLES.



NOTES:
1. BIKE RACK MODEL "RING" WITH STAINLESS STEEL FINISH, AVAILABLE THROUGH LANDSCAPE FORMS (800) 521-2614.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

C BIKE RACK
NTS

NOTES:
1. BIKE LOCKER MODEL PRV-DTM WITH FUTEL DRIP HANDLE OR APPROVED EQUIVALENT. LOCKERS TO BE POWDERCOATED SILVER METALLIC.
2. AVAILABLE THROUGH PALMER GROUP, LLC (888) 764-2453.
3. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

D BIKE LOCKER
NTS

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ATTACHMENT D
Page 3 of 40

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OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By
1	12.16.11	PLANCHECK COMMENT 1	

SITE PLAN

Project Number:	2011A101
Date:	11/04/2011
Scale	1"=30'-0"

A1.1

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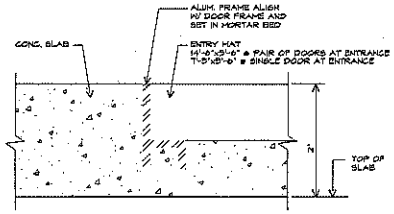
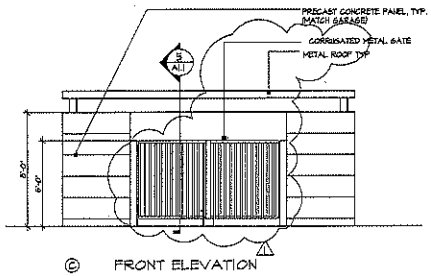
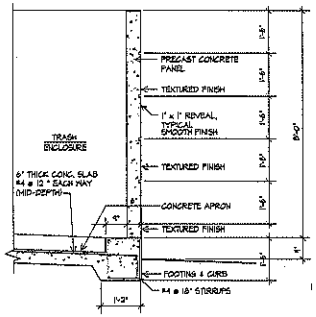


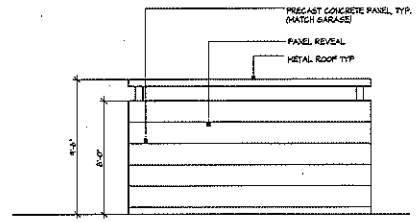
10 / A1.2 ENTRY MAT
SCALE: FULL SIZE



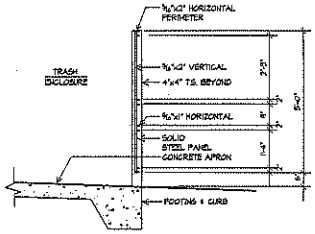
C FRONT ELEVATION



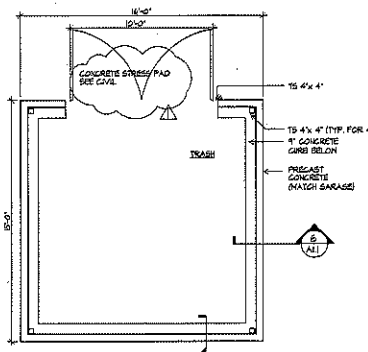
9 / A1.2 TRASH ENCLOSURE PRECAST WALL
SCALE: 1/2"=1'-0"



B SIDE ELEVATION

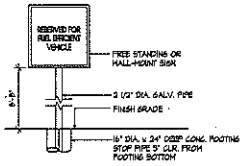


8 / A1.2 ENCLOSURE GATE
SCALE: 1/2"=1'-0"

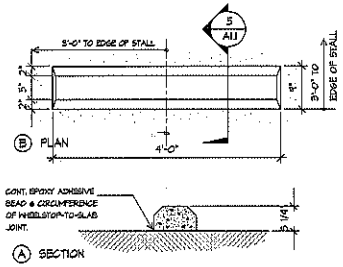


A PLAN

7 / A1.2 TRASH ENCLOSURE PLAN & ELEVATIONS
SCALE: 1/4" = 1'-0"



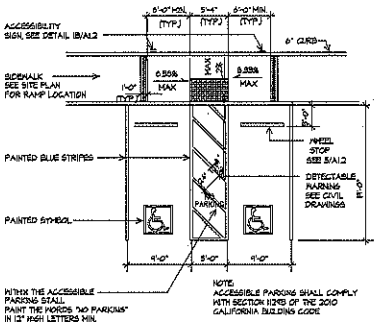
6 / A1.2 FUEL EFFICEINT VEHICLE PARKING SIGNAGE
SCALE: 3/4" = 1'-0"



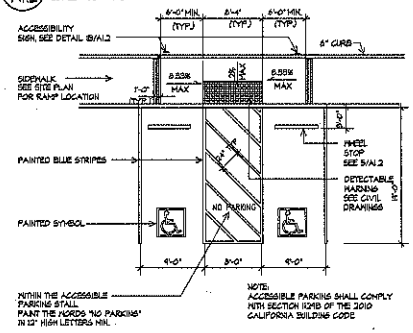
B PLAN

A SECTION

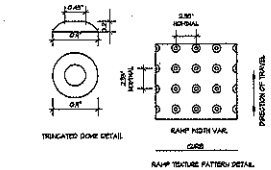
5 / A1.2 WHEEL STOP
SCALE: 1" = 1'-0"



3 / A1.2 ACCESSIBLE PARKING
SCALE: 1/8" = 1'-0"



2 / A1.2 VAN ACCESSIBLE PARKING
SCALE: 1/8" = 1'-0"

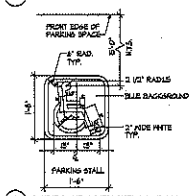


PLACE TRUNCATED DOME DETECTABLE WARNING TEXTURE IN THE LOWER 36" OF THE THROAT OF THE RAMP ONLY. AVERAGE DOMES USING IN-LINE PATTERN ONLY. AS SHOWN IN DETAIL RIGHT. COLOR OF TEXTURE TO BE SAFETY YELLOW. FOR CONSTRUCTION OF SIDEWALK RAMPS OUTSIDE OF PUBLIC RIGHT-OF-WAY. CHECK WITH STATE BUILDING CODES.

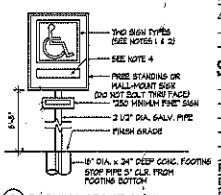
4 / A1.2 DETECTABLE WARNING DETAIL
SCALE: 1/4" = 1'-0"

1. OFF-STREET PARKING FACILITIES TO HAVE SIGN AT STREET ENTRANCE NOT LESS THAN 17" X 22" IN SIZE WITH LETTERING OF 1" MIN. HEIGHT. SIGN TEXT TO BE READED (OR EQUAL) TO STATE THE FOLLOWING: "UNAUTHORIZED VEHICLES NOT DISPLAYING DISTINGUISHING PLACARD OR LICENSE PLATE ISSUED FOR PHYSICALLY HANDICAPPED PERSONS MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAYBE RECLAIMED AT _____ OR BY TELEPHONING _____ CONTRACTOR. TO FILL IN BLANKS PRIOR TO MANUFACTURING SIGN
2. HANDICAP PARKING SPACE SIGN TO BE READED (OR EQUAL) WITH HANDICAP SYMBOL AS SHOWN IN DETAIL B. SIZE TO BE TO SQ. IN. MINIMUM.
3. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE SHALL HAVE SURFACE IDENTIFICATION AS SHOWN IN DETAIL A.
4. VAN-ACCESSIBLE SPACES SHALL BE DESIGNATED WITH AN ADDITIONAL SIGN DIRECTLY BELOW THE SYMBOL OF ACCESSIBILITY AS SHOWN IN DETAIL B.
5. "UNAUTHORIZED VEHICLES" SIGNS AT ALL DRIVEWAY ENTRANCES PER 2010 CBC 1129B.4
6. PROVIDE AN ADDITIONAL SIGN BELOW THE SYMBOL OF ACCESSIBILITY SIGN STATING, "MINIMUM FINE $250" IN COMPLIANCE WITH 2010 CBC 1129B.4.
7. LOADING AND UNLOADING ACCESS AISLES SHALL BE MARKED BY A BORDER PAINTED IN BLUE. THE HATCHED LINES A MAXIMUM OF 36" ON CENTERS WITHIN THE BLUE BORDER SHALL BE PAINTED BLUE OR WHITE PER CBC 1129B.3 XI.

6 NOTES



A SURFACE IDENTIFICATION
SCALE 3/8" = 1'-0" PAINTED STRIPES



B PARKING SPACE SIGN
SCALE 3/4" = 1'-0" PAINTED STRIPES

1 / A1.2 ACCESSIBLE PARKING SIGNAGE
SCALE: 1/4" = 1'-0"

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Page 4 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By
1	12.16.11	PLANCHECK COMMENT	

SITE DETAILS

Project Number:	2011A101
Date:	11/04/2011
Scale	AS NOTED

A1.2

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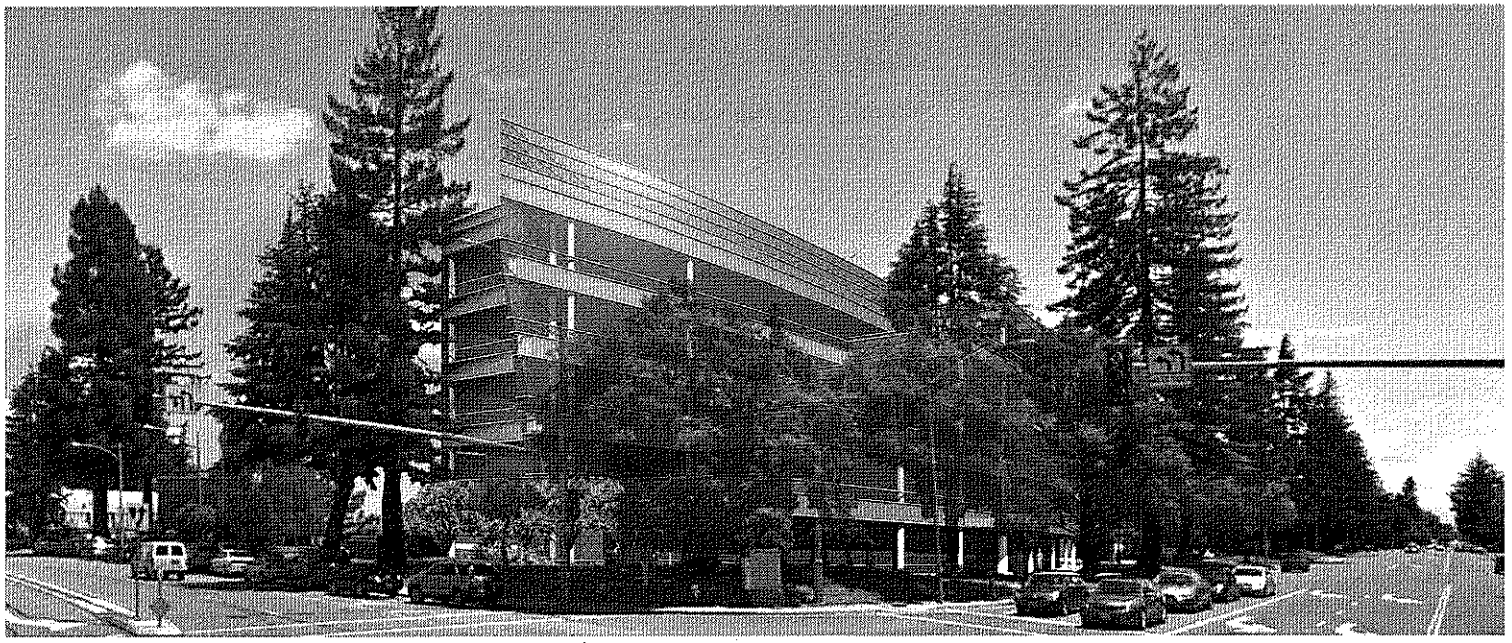
PROPOSED



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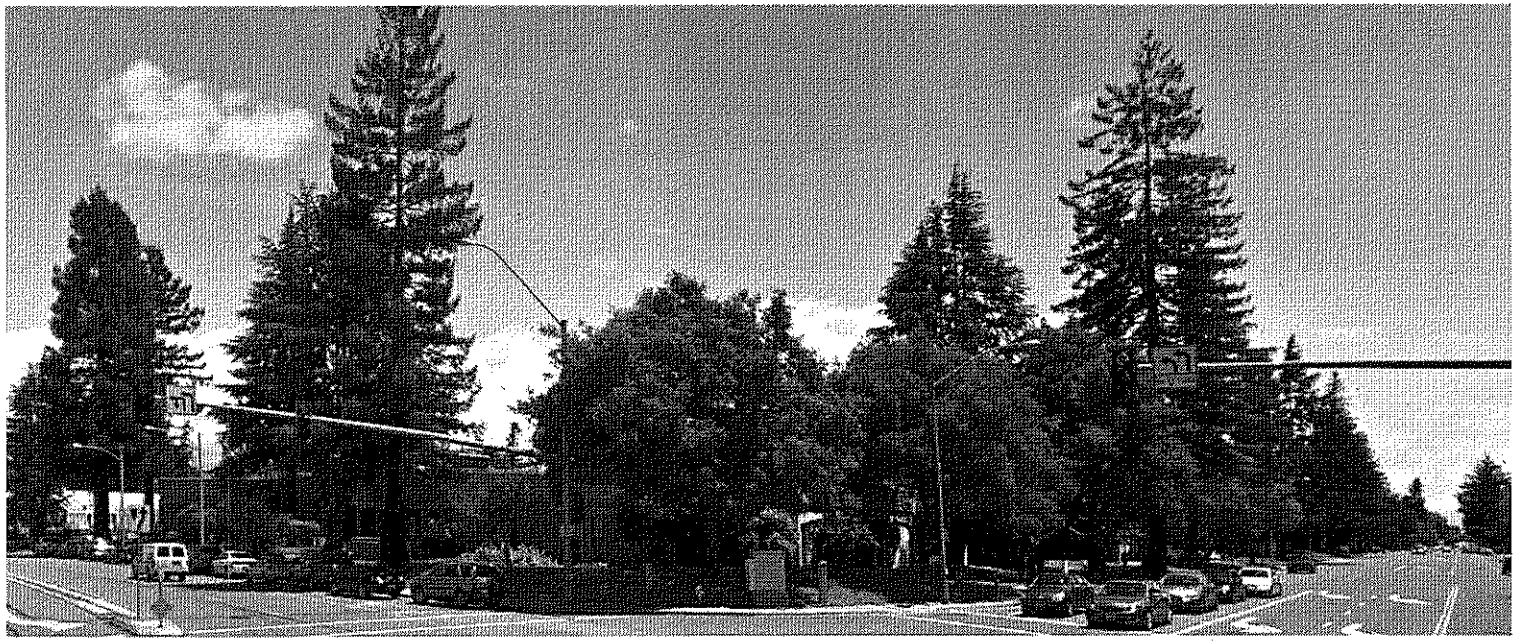

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Page 5 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

3D PERSPECTIVES

Project Number:	2011A101
Date:	
Scale	1"=60'-0"

A1.3

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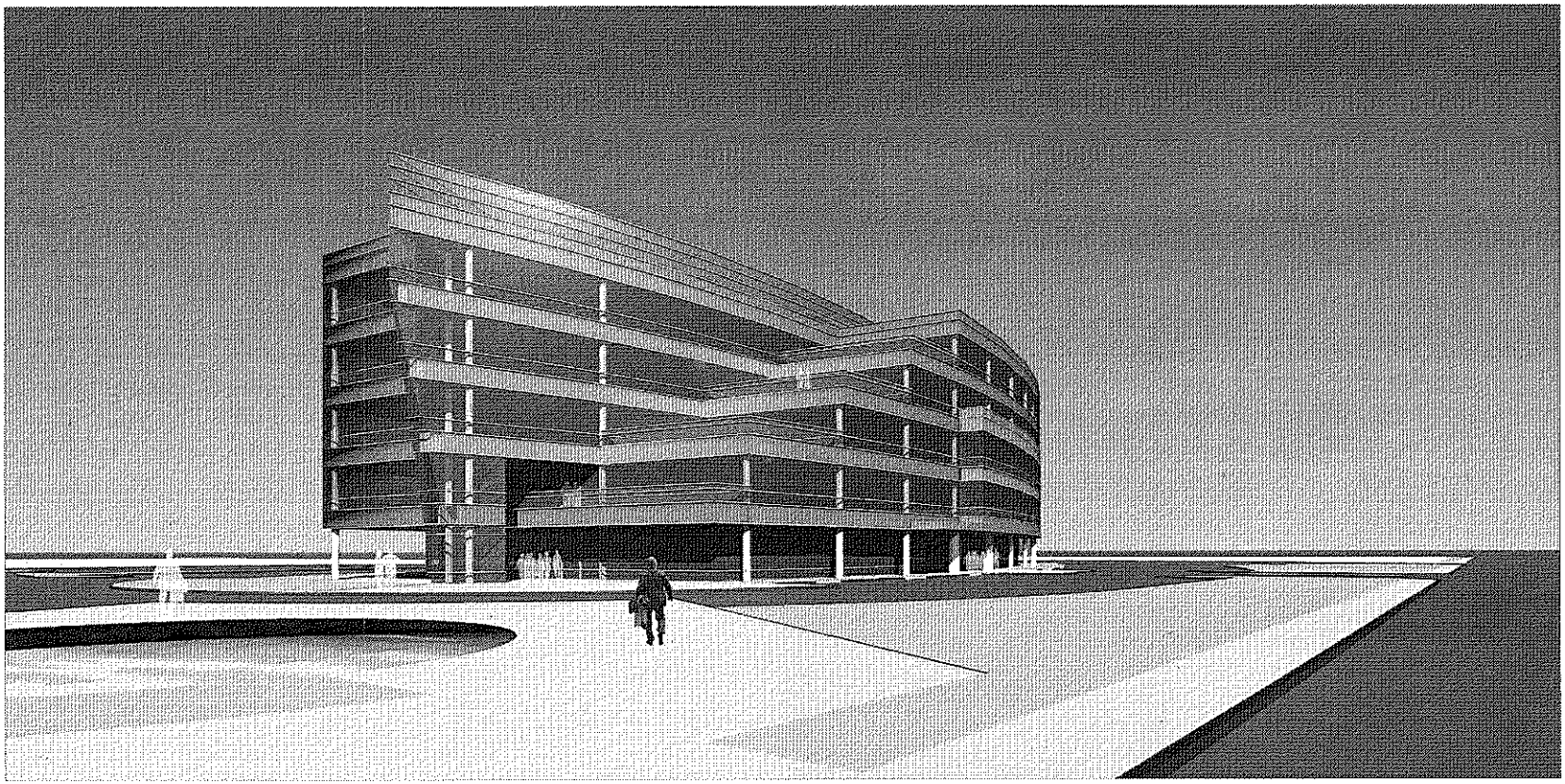

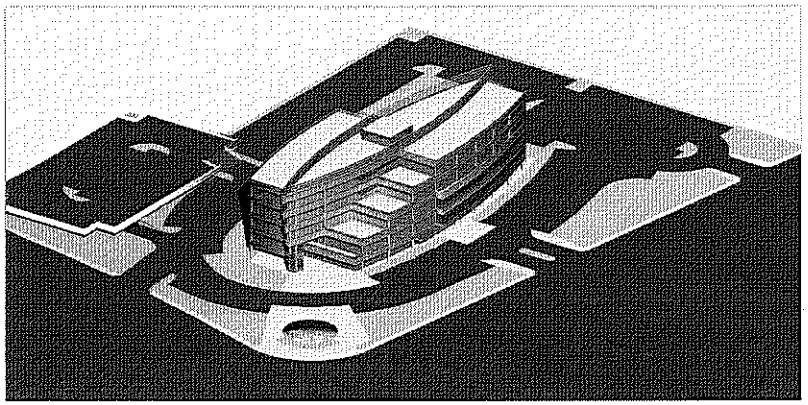

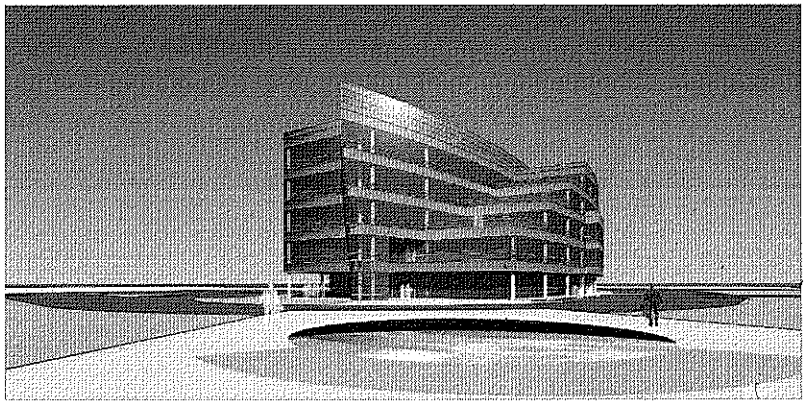

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Page 6 of 46

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

3D ISOMETRICS

Project Number:	2011A101
Date:	
Scale	1"=50'-0"

A1.4

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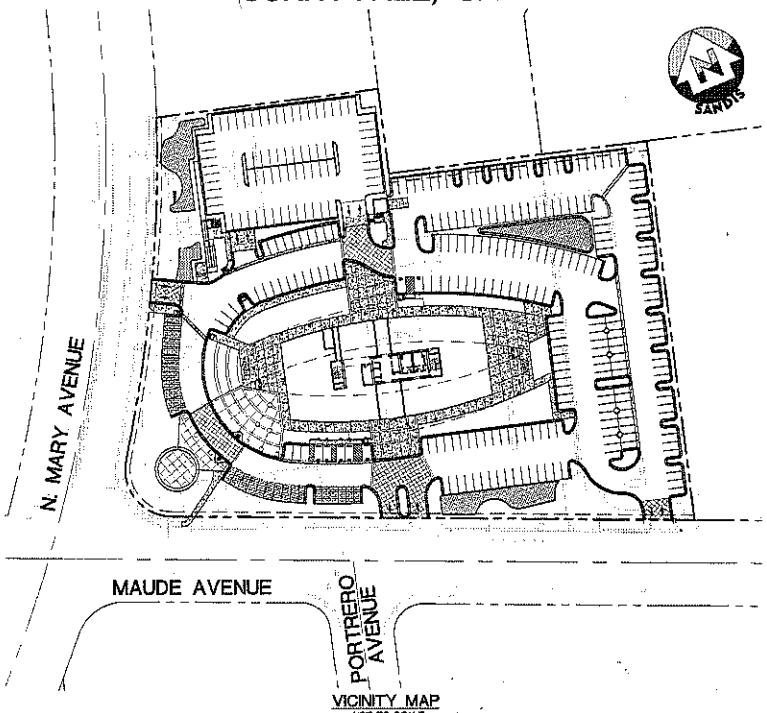
ONSITE IMPROVEMENT PLANS FOR
580 N. MARY AVENUE
SUNNYVALE, CA

GENERAL NOTES

1. CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS.
2. CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
3. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFIES OTHERWISE.
4. UTILITIES AND UNDERGROUND FACILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. NEITHER THE OWNER NOR THE CITY NOR THE DESIGN PROFESSIONAL ASSUMES RESPONSIBILITY THAT THE UTILITIES AND UNDERGROUND FACILITIES INDICATED WILL BE THE UTILITIES AND UNDERGROUND FACILITIES ENCOUNTERED.
5. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT U.S.A. 800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE, AND PROTECT ALL UNDERGROUND FACILITIES.
6. THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES.
7. ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATES (DUST).
8. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTORS EXPENSE.
9. ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY DURING THE CONSTRUCTION PERIOD.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
13. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE ON SITE AT ALL TIMES DURING CONSTRUCTION.
14. STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT ON CITY STREETS WILL NOT BE PERMITTED.
15. CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF GRADING CONSTRUCTION EQUIPMENT IS PROHIBITED.
16. CONSTRUCTION EQUIPMENT, TOOLS, ETC. SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER OR STORM DRAIN.
17. A CONTAINED AND COVERED AREA ON-SITE SHALL BE USED FOR STORAGE OF CEMENT BAGS, PAINTS, FLAMMABLE OILS, FERTILIZERS, PESTICIDES, OR ANY OTHER MATERIALS THAT HAVE POTENTIAL FOR BEING DISCHARGED TO THE STORM DRAIN SYSTEM BY WIND OR IN THE EVENT OF A MATERIAL SPILL.
18. ALL CONSTRUCTION DEBRIS SHALL BE GATHERED ON A REGULAR BASIS AND PLACED IN A DUMPSTER WHICH IS EMPTIED OR REMOVED WEEKLY. WHEN FEASIBLE, TARPS SHALL BE USED ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORMWATER POLLUTION.
19. ANY TEMPORARY ON-SITE CONSTRUCTION PILES SHALL BE SECURELY COVERED WITH A TARP OR OTHER DEVICE TO CONTAIN DEBRIS.
20. CONCRETE TRUCKS AND CONCRETE FINISHING OPERATIONS SHALL NOT DISCHARGE WASH WATER INTO THE STREET GUTTERS OR DRAINS.



VICINITY MAP
NOT TO SCALE

ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
BC	BEGINNING OF CURVE
BOF	BOTTOM OF FOOTING
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C&V	CLEAN AIR VEHICLE
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL	CENTERLINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CMV	CITY OF MOUNTAIN VIEW
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
CTV	CABLE TELEVISION
DI	DROP INLET
DDCV	DOUBLE DETECTOR CHECK VALVE
DIP	DUCTILE IRON PIPE
DW	DOMESTIC WATER
D/W	DRIVE WAY
EC	END OF CURVE
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
ELEV	ELEVATION
EX.-EXIST.	EXISTING
FC	FACE OF CURB
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FO	FIBER OPTICS
FS	FINISH SURFACE
GB	GRADE BREAK
GS	GARAGE SLAB
GV	GATE VALVE
HP	HIGH POINT
IRR	IRRIGATION
INV	INVERT ELEVATION
JP	JOINT POLE
JT	JOINT TRENCH
L.S.A	LANDSCAPE AREA
MH	MANHOLE
MIN	MINIMUM
MAX	MAXIMUM
P	PAVEMENT
PA	PLANTER AREA
P.P.	POWER POLE
PL	PROPERTY LINE
P.C.C.	PORTLAND CEMENT CONCRETE
PVC	POLYVINYL CHLORIDE PIPE
PB	PULLBOX
RCP	REINFORCED CONCRETE PIPE
RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY
R/W	RIGHT OF WAY
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SD	STORM DRAIN
SDAD	STORM DRAIN AREA DRAIN
S.E.D.	SEE ELECTRICAL DRAWINGS
S.L.D.	SEE LANDSCAPE DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.P.D.	SEE PLUMBING DRAWINGS
S.S.D.	SEE STRUCTURAL DRAWINGS
SS	SANITARY SEWER
STA.	STATION
STD.	STANDARD
SUE	SIDEWALK USE EASEMENT
SW	SIDEWALK
T	TELEPHONE
TC	TOP OF VERTICAL CURB
TOB	TOP OF BANK
TOD	TOP OF DUCT
TOF	TOP OF FOOTING
TRC	TOP ROLLED CURB
T.S.	TAPPING SLEEVE
TYP.	TYPICAL
V.C.P.	VITRIFIED CLAY PIPE
UE	UNDERGROUND ELECTRICAL
WM	WATER METER
W.S.	WATER SERVICE
WV	WATER VALVE

LEGEND:

	EXISTING	PROPOSED
PROPERTY LINE		
BOLLARD		
CURB, GUTTER AND SIDEWALK		
CENTER LINE		
SANITARY SEWER MAIN	SS	SS
SANITARY SEWER MANHOLE (SSMH)		
SANITARY SEWER CLEANOUT		
STORM DRAIN MAIN	SD	SD
STORM DRAIN MANHOLE (SDMH)		
DROP INLET(SDDI)		
STORM DRAIN CLEANOUT		SDO
WATER MAIN	W	W
WATER VALVE		
FIRE HYDRANT		
WATER TOE (WT)		
WATER METER		
BACK FLOW PREVENTER		
ELECTRIC LINE	E	E
UNDERGROUND ELECTRIC LINE	UE	UE
JOINT TRENCH	JT	JT
FIBER OPTIC LINE	FO	FO
PULL BOX		
POWER POLE		
STREET LIGHT CONDUIT	SL	SL
ELECTROLIER		
TELEPHONE CONDUIT	T	T
FIBER OPTIC LINE	FO	FO
GAS MAIN	G	G
GAS VALVE		
CABLE TELEVISION LINE	CTV	CTV
STREET SIGN		
MONUMENT		
EXIST. TREE		
CONTOURS	180	180
SPOT ELEVATIONS	180.0	
SAWCUT LINE		
FLOWLINE		
LANDSCAPE AREA DRAINS		
STORM DRAIN BUBBLER BOX		
STORM DRAIN CATCH BASIN		
FIRE HYDRANT		
FLOW ARROW		
SITE LIGHTING		

ON-SITE WORK

ON-SITE IMPROVEMENT PLANS PERMIT SET IS FOR ON-SITE WORK ONLY. ANY OFF-SITE IMPROVEMENTS SHOWN ARE FOR REFERENCE ONLY. REFER TO OFF-SITE IMPROVEMENT PLAN SET.

FLOODZONE

SITE CURRENTLY FALLS WITHIN ZONE X BASED ON FIRM MAP NUMBER 06085C0045H, DATED MAY 18 2009. ZONE X IS THE AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

UNDERGROUND UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

Construction contractor agrees that in accordance with generally 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 sole negligence of design professional.

ADA NOTES

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
3. SLOPED WALKS TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%).
4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS. THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS ONTO THE SIDEWALK, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
5. RAMPS ARE DEFINED AS ANY WALKWAY HAVING A SLOPE GREATER THAN 1:20 (5%) AND NOT EXCEEDING 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 3'-4" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72". ALL RAMPS SHALL HAVE HANDRAILS (SEE ARCHITECTURAL PLANS IF APPLICABLE).
6. MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%. MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS HANDICAPPED PARKING SHALL BE 2% IN ANY DIRECTION.
7. ALL SIDEWALK SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

BENCHMARK

BENCHMARK
NAME: BM #28; A CITY OF SUNNYVALE BENCHMARK
DATUM: NGVD29
ELEVATION: 58.199'
DESCRIPTION: BRASS DISC IN TOP OF CURB NEXT TO CATCH BASIN AT THE SOUTHWEST CORNER CURB RETURN AT THE INTERSECTION OF N. MARY AVENUE AND W. MAUDE AVENUE.

EARTHWORK NOTE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL MATERIAL AND LABOR REQUIRED WITHIN THE BID PRICE FOR EARTHWORK CONSTRUCTION, TO CARRY OUT THE CUT/FILL AND/OR IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES SHOWN ON THE PLANS. CONTRACTOR IS TO DELIVER TO OWNER THE PROJECT IN A COMPLETE AND OPERATIONAL MANNER. EARTHWORK QUANTITIES SHOWN ON THE PLANS OR REPRESENTED BY THE ENGINEER ARE APPROXIMATE AND ARE FOR GRADING PERMIT APPROVAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ANY INVESTIGATION OR STUDIES THAT ARE REQUIRED BY THE CONTRACTOR TO SATISFY THIS REQUIREMENT. NO ADDITIONAL COMPENSATION SHALL BE PAID FOR SAID CUT/FILL AND/OR IMPORT/EXPORT.

TOPOGRAPHIC AND BOUNDARY NOTES

TOPOGRAPHIC SURVEY INFORMATION SHOWN HEREON IS BASED UPON SUPPLEMENTAL TOPOGRAPHIC SURVEY DONE BY SANDIS, UNDER THE DIRECTION OF LAURA CUURAL, PLS 7756.

GEOTECHNICAL REPORT

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT BY UNITED SOILS ENGINEERING, INC ON OCTOBER 05, 2011, REPORT NO. 6182-51.

CALL TWO WORKING DAYS BEFORE YOU DIG
IN CALIFORNIA, NEVADA AND HAWAII
1-800-227-2600
UNDERGROUND SERVICE ALERT

SHEET INDEX

C-1.0	COVER SHEET
C-2.0	TOPOGRAPHIC SURVEY
C-3.0	DEMOLITION PLAN
C-4.0	GRADING AND DRAINAGE PLAN
C-5.0	UTILITY PLAN
C-6.0	EROSION CONTROL PLAN
C-6.1	EROSION CONTROL DETAILS
C-6.2	BLUEPRINT FOR A CLEAN BAY
C-7.0	ON-SITE CONSTRUCTION DETAILS
C-7.1	ON-SITE CONSTRUCTION DETAILS
C-7.2	ON-SITE CONSTRUCTION DETAILS
C-8.0	FIRE HYDRANT COVERAGE & ACCESS PLAN

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DATE _____, 2012

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580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

COVER SHEET

Project Number:	2011A101
Date:	12/21/2011
Scale	N.T.S.

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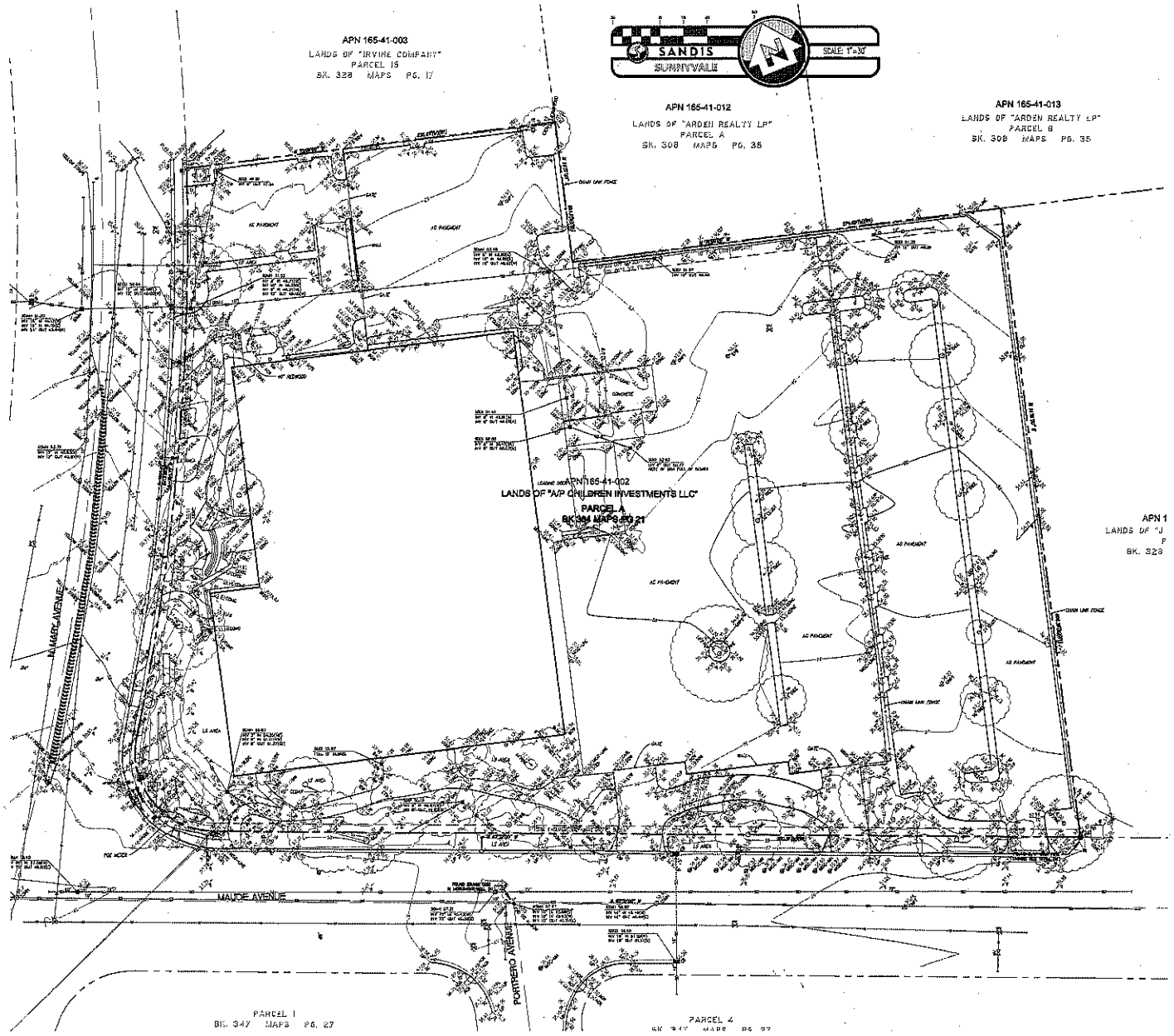
Page 7 of 40



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Page 8 of 16

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Issues and Revisions

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TOPOGRAPGHIC SURVEY

Project Number:	2011A101
Date:	12/21/2011
Scale	1"=30'

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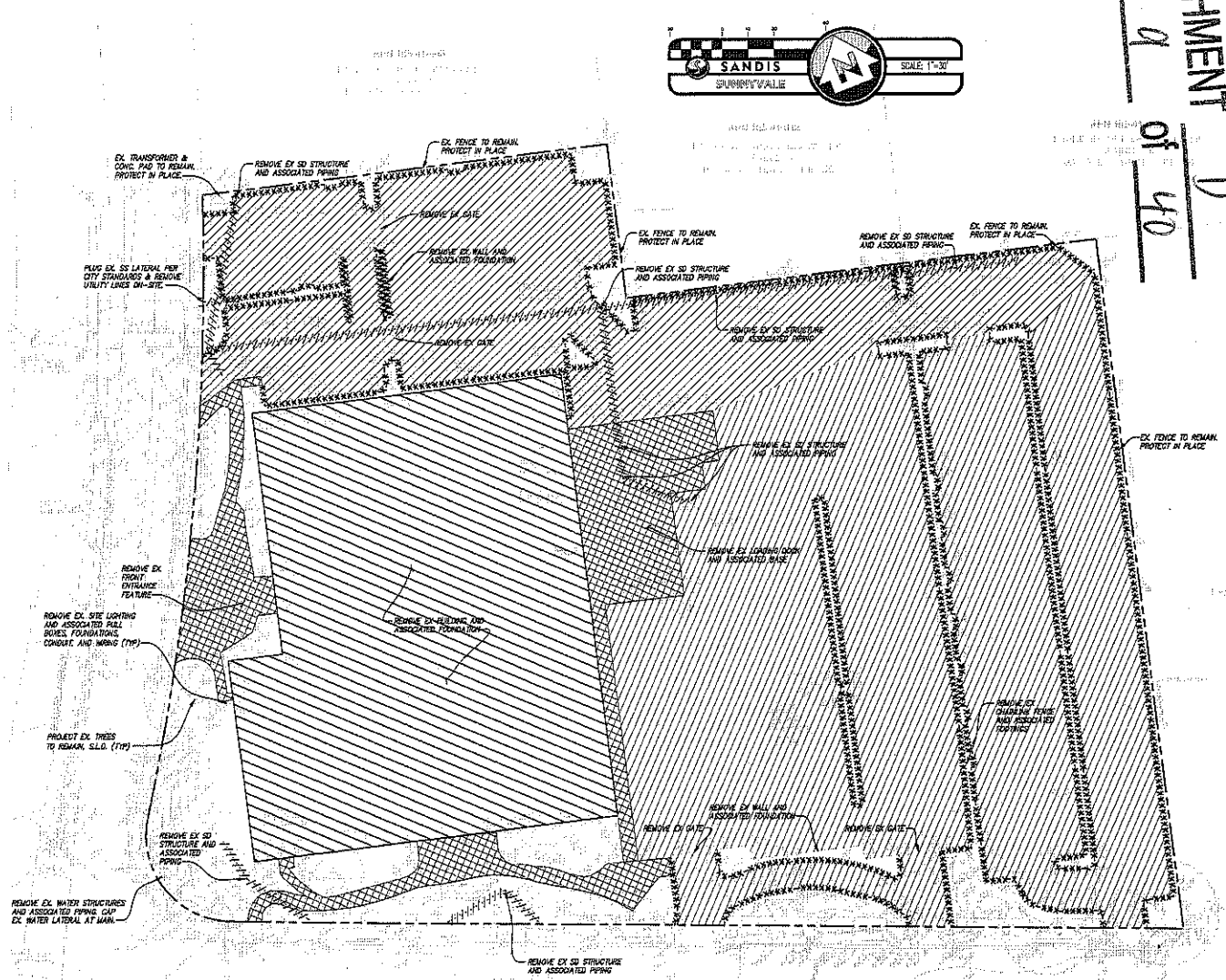
Page 9 of 40



SHEET NOTES

1. DEMOLITION SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. DEMOLITION WILL BE ISSUED UNDER SEPARATE PERMIT.
2. COORDINATE DEMOLITION WORK WITH CITY OF SUNNYVALE REQUIREMENTS.
3. DEMOLITION AND CONSTRUCTION WORK MAY BE PERFORMED OVER THE TOP OF AND AROUND COMMUNICATION AND POWER SERVICES. CONTRACTOR SHALL WORK BY HAND IN ALL AREAS WHERE THESE SERVICES MIGHT BE HARMED BY LARGER LESS PRECISE EQUIPMENT.
4. THE CONTRACTOR SHALL LOCATE AND CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF DEMOLITION.
5. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
8. CONTRACTOR SHALL PAY DISPOSAL FEES.
9. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION OF FOUNDATIONS & UTILITIES TO EXISTING GRADE AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER, AND/OR CITY INSPECTOR.
10. WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SHRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE DRAWINGS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY OWNER'S REPRESENTATIVE AT DESIGNATED LOCATIONS.
12. PRIOR TO BEGINNING DEMOLITION WORK, CONTRACTOR TO NOTIFY AND COORDINATE THE REMOVAL AND/OR ABANDONMENT OF ALL AFFECTED UTILITIES WITH THE APPROPRIATE UTILITY AGENCIES.
13. CONTRACTOR RESPONSIBLE FOR PREPARING WASTE MANAGEMENT PLAN, TRAINING OF EMPLOYEES & SUBCONTRACTORS, AND ENSURING PROPER REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIALS.
14. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE OWNER'S PROJECT MANAGER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.
15. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, USA, FOR LOCATION AND MARKING OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION
16. CONTRACTOR SHALL MAINTAIN THE EXISTING SITE AND STREETS IN A SAFE AND USABLE MANNER SUCH THAT EMERGENCY VEHICLE ACCESS IS AVAILABLE AT ALL TIMES. CONTRACTOR TO SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY FENCING, GATES, BARRICADES, SIGNAGE, AND PROVISIONS FOR ENSURING THE PROJECT'S SECURITY AND SAFE PASSAGEWAY AROUND IT.
17. CONTRACTOR SHALL GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
18. CONTRACTOR SHALL CLEAR AND GRUB WITHIN LIMIT OF WORK AS NEEDED TO PERFORM DEMOLITION ACTIVITIES.
19. SAWCUT & REMOVE HARDSCAPE SUCH AS, BUT NOT LIMITED TO, AC PAVEMENT, CURB, SIDEWALK, ETC.
20. TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE EXISTING UNDERGROUND UTILITY LINES TO REMAIN DURING DEMOLITION. CONTRACTOR TO HIRE AN INDEPENDENT UNDERGROUND UTILITY LOCATOR SERVICE TO LOCATE & FLAG UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
21. PROTECT ALL TREES IN PLACE. REFER TO TREE PROTECTION PLAN FOR DETAILS.
22. CONSTRUCTION FENCING OF ANY KIND SHALL BE PLACED BEHIND PROPERTY LINE.
23. PUBLIC RIGHT-OF-WAYS SHALL BE KEPT OPEN & FREE FROM ANY CONSTRUCTION RELATED DEBRIS, MATERIALS, EQUIPMENT, ETC. AND SUCH ITEMS SHALL BE KEPT ON-SITE.
24. EXISTING PUBLIC WATER METERS SHALL BE RETURNED TO CITY'S WATER DEPARTMENT BEFORE THE START OF DEMOLITION WORK.
25. A TEMPORARY HYDRANT METER IS REQUIRED FOR ANY WATER NEEDS DURING CONSTRUCTION

LEGEND

- REMOVE EX. CURB AND ASSOCIATED BASE MATERIAL
- REMOVE EX. UTILITY LINES
- REMOVE EX. BUILDING AND FOUNDATION
- REMOVE EX. AC PAVEMENT AND ASSOCIATED BASE MATERIAL
- REMOVE EX. CONCRETE AND ASSOCIATED BASE MATERIAL
- LIMIT OF WORK

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Issues and Revisions

No.	Date	Issues and Revisions	By

DEMOLITION PLAN

Project Number:	2011A101
Date:	12/21/2011
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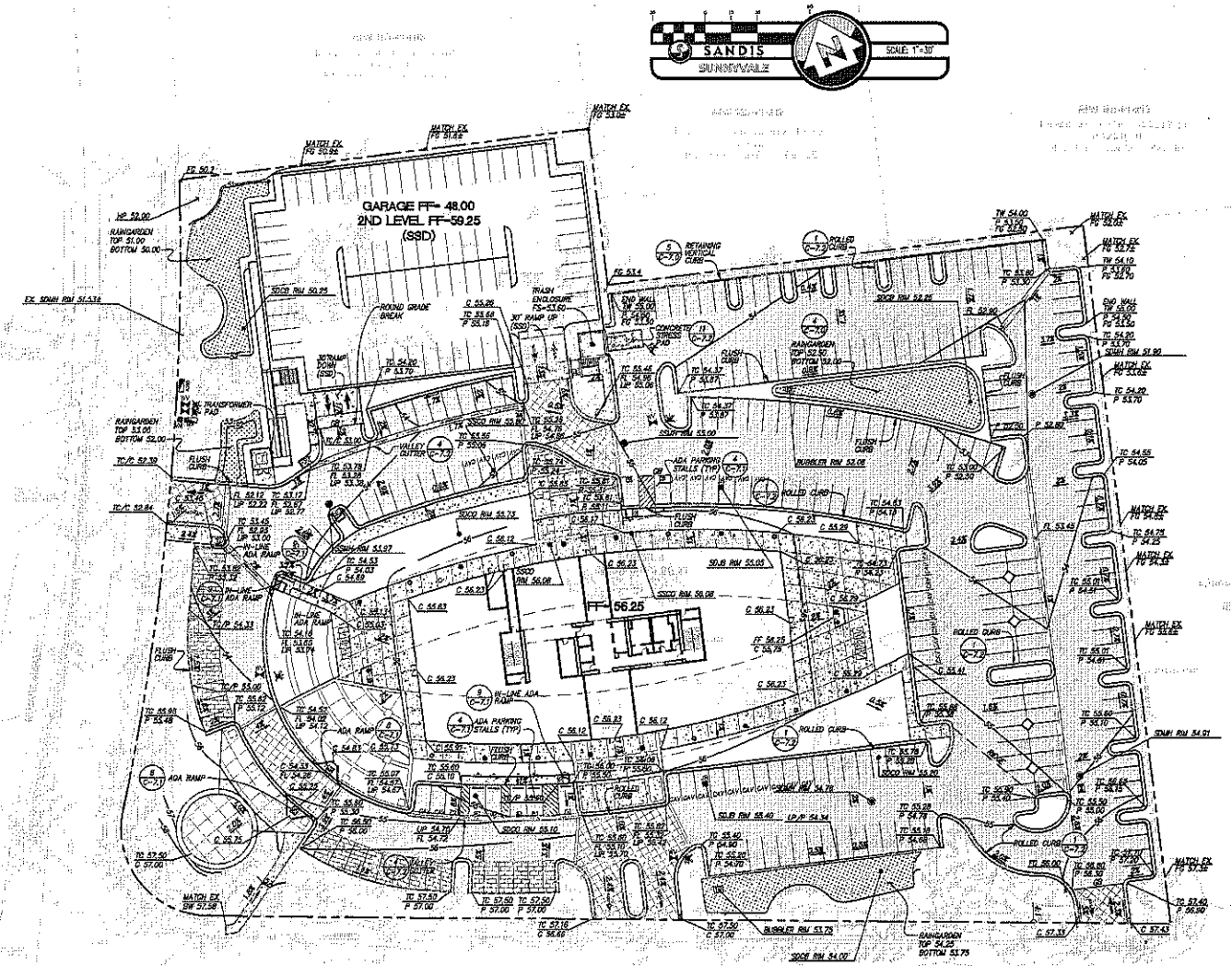

NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO RESTORE ALL TRENCHES IN KIND UNLESS OTHERWISE SPECIFIED ON THIS SHEET.
2. WHERE UTILITIES TRENCHES ARE REQUIRED WITHIN TREE DRIP LINES, TUNNEL UNDER OR AROUND ROOTS BY DRILLING, AUGER BORING, PIPE JACKING, OR DIGGING BY HAND.
   ROOT PRUNING: DO NOT CUT MAIN LATERAL ROOTS OR TAP ROOTS. CUT ONLY SMALLER ROOTS THAT INTERFERE WITH INSTALLATION OF PROPOSED WORK. CUT ROOTS WITH SHARP PRUNING INSTRUMENTS; DO NOT BREAK OR CSUR.
3. ALL EXISTING CLEANOUTS, MANHOLES AND INLET VALVE BOXES TO REMAIN SHALL BE RAISED TO FINISHED GRADE.
4. UTILITY IMPROVEMENTS MAY CAUSE TREE REMOVAL. CONTRACTOR TO SAVE AND PROTECT ALL TREES. CONTRACTOR TO IDENTIFY WHICH TREES ARE TO BE REMOVED AND NOTIFY THE CONSTRUCTION MANAGER BEFORE REMOVAL.
5. REFER TO ELECTRICAL DRAWINGS FOR WIRING AND ALL ELECTRICAL CONNECTION DETAILS.
6. CONTRACTOR TO POTHOLE AND VERIFY ALL EXISTING UTILITIES FOR INVERTS AND LOCATION. MAINTAIN MINIMUM SLOPE, CLEARANCE, AND COVERAGE ON ALL UTILITIES.
7. CONTRACTOR TO ENSURE ALL EXI. LANDSCAPE IRRIGATION DISCOVERED IS REPAIRED AND IN WORKING ORDER AT THE END OF CONSTRUCTION. (TYP)
8. ALL ELECTRICAL, TELECOMMUNICATIONS, AND DATA LINES ARE SHOWN FOR TRENCHING AND ROUTING PURPOSES ONLY. SEE DRAWINGS BY MECHANICAL & ELECTRICAL ENGINEER FOR DESIGN DETAILS. ANY SIZES SHOWN ON THIS PLAN FOR UTILITIES LISTED ABOVE ARE FOR COST ESTIMATING/REFERENCE PURPOSES ONLY.
9. ALL UTILITIES TO MAINTAIN 1' MIN. VERT. CLEARANCE AT CROSSING IN AREAS LESS THAN 1' CLEAR UTILITIES ARE TO BE INSTALLED WITH CONCRETE COLLAR. CONTRACTOR TO NOTIFY ENGINEER OF ANY UTILITY CROSSING CONFLICTS PRIOR TO CONSTRUCTION. GAS TO MAINTAIN 24" MIN. BURIAL DEPTH TO TOP OF PIPE.
10. ALL FIRE APPARATUS SHALL HAVE VEHICLE IMPACT PROTECTION IN ACCORDANCE WITH CITY OF SUNNYVALE STANDARD DETAILS.

LEGEND

- AC PAVEMENT — DETAIL 3 SHEET C-7.1
- RAIN GARDEN — DETAIL 4 SHEET C-7.1
- CONCRETE — DETAIL 2 SHEET C-7.2
- DECORATIVE CONCRETE — S.L.D.
- PERMEABLE PAVEMENT — S.L.D.
- TRUNCATED DOMES (5 C-7.1)

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Page 10 of 40

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Issues and Revisions

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GRADING AND DRAINAGE PLAN

Project Number:	2011A101
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Scale	1"=30'

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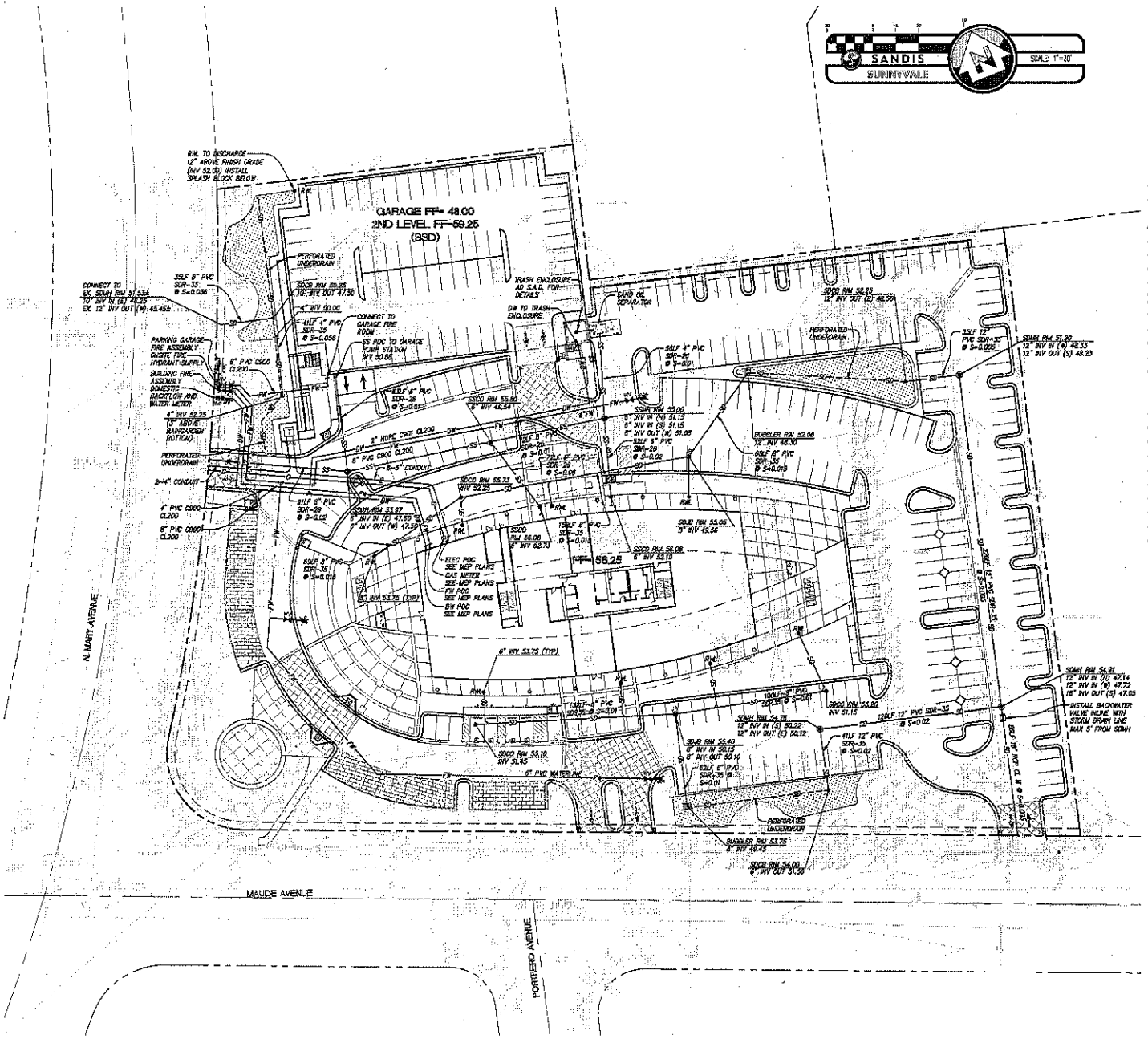

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POTHOLING PRIOR TO COMMENCING CONSTRUCTION.

LEGEND	EXISTING	PROPOSED
SANITARY SEWER MAIN		SS
STORM DRAIN MAIN		SD
WATER MAIN		W
FIRE WATER		FW
SILT FENCE		S S
CHAIN LINK FENCE		X X
GAS MAIN		G
CAP AND PLUG END		
ELECTRIC AND SIGNAL DUCT BANK		E
COMMUNICATIONS LINE		C
STREET LIGHT CONDUIT		
CONTOUR ELEVATION LINE		90
SPOT ELEVATION		95.5
DIRECTION OF SLOPE		1%
WATER METER		WM
WATER VALVE		WV
SIGN		
HANDICAP RAMP		
CONCRETE THRUST BLOCK		
SANITARY SEWER MANHOLE		
SANITARY SEWER CLEANOUT		
STORM SEWER MANHOLE		
STORM SEWER AREA DRAIN		
STORM SEWER CURB INLET		
STORM SEWER CLEANOUT		
ELECTROLIER		

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UTILITY PLAN

Project Number: 2011A101
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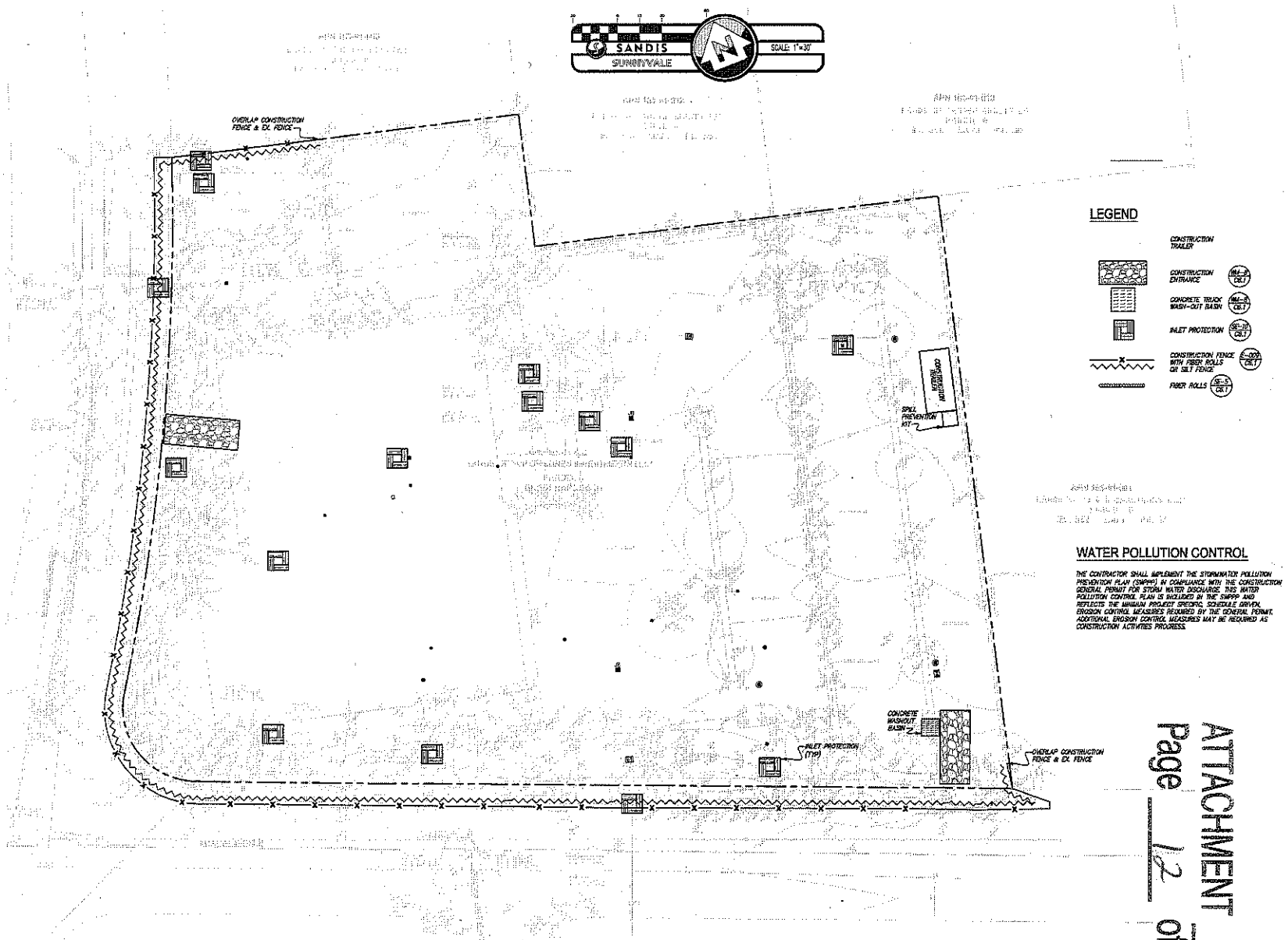
ATTACHMENT D
Page 11 of 40



LEGEND

- CONSTRUCTION TRAILER
- CONSTRUCTION ENTRANCE (MM-2 DET.)
- CONCRETE TRUCK WASH-OUT BASIN (MM-3 DET.)
- INLET PROTECTION (SE-10 DET.)
- CONSTRUCTION FENCE WITH FIBER ROLLS OR SILT FENCE (SE-5 DET.)
- FIBER ROLLS (SE-5 DET.)

WATER POLLUTION CONTROL

THE CONTRACTOR SHALL IMPLEMENT THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH THE CONSTRUCTION GENERAL PERMIT FOR STORM WATER DISCHARGE. THIS WATER POLLUTION CONTROL PLAN IS INCLUDED IN THE SWPPP AND REFLECTS THE MINIMUM PROJECT SPECIFIC, SCHEDULE DRIVEN, EROSION CONTROL MEASURES REQUIRED BY THE GENERAL PERMIT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS CONSTRUCTION ACTIVITIES PROGRESS.

ATTACHMENT D
Page 12 of 40

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DATE _____, 2012

KENNETH N. GLOOTT
R.C.E. NO. 51076, EXPIRES 9-30-13

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

EROSION CONTROL PLAN

Project Number:	2011A101
Date:	12/21/2011
Scale	1"=30'

C-6.0

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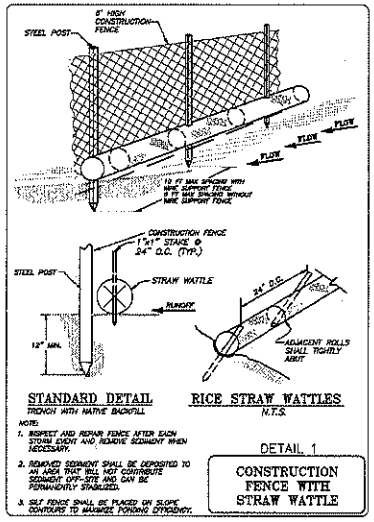
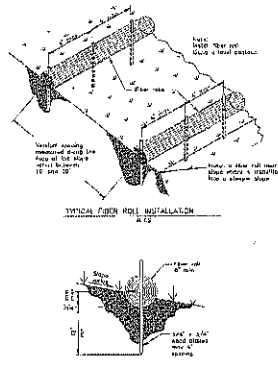
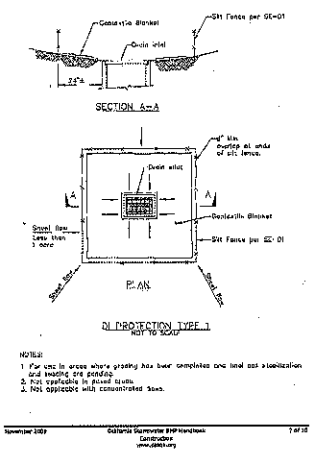


Fiber Rolls SE-5



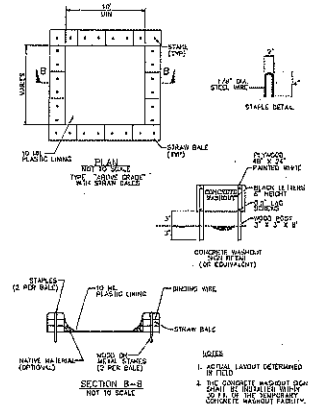
November 2009 California Stormwater BMP Handbook Construction www.cabmp.org 5 of 5

Storm Drain Inlet Protection SE-10



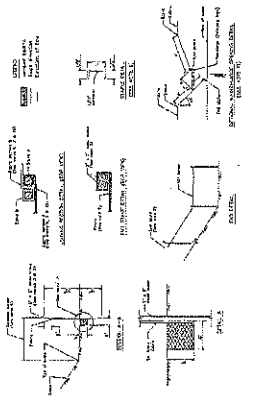
November 2009 California Stormwater BMP Handbook Construction www.cabmp.org 7 of 10

Concrete Waste Management WM-8



November 2009 California Stormwater BMP Handbook Construction www.cabmp.org 7 of 7

Silt Fence SE-1



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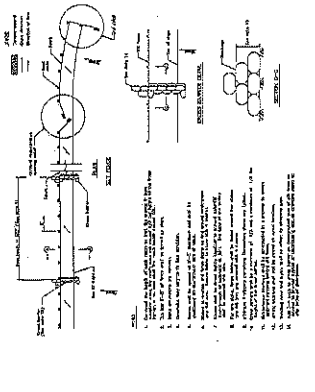
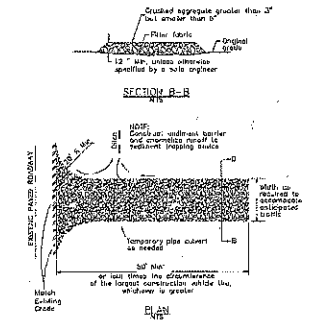


November 2009 California Stormwater BMP Handbook Construction www.cabmp.org 7 of 8

Stabilized Construction Entrance/Exit TC-1



November 2009 California Stormwater BMP Handbook Construction www.cabmp.org 5 of 8

ATTACHMENT D
Page 13 of 46

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Issues and Revisions

No.	Date	Issues and Revisions	By

EROSION CONTROL DETAILS

Project Number:	2011A101
Date:	12/21/2011
Scale	N.T.S.

C-6.1

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Blueprint for a Clean Bay

Best Management Practices for the Construction Industry

Remember! The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. You may be held responsible for any environmental damage caused by your subcontractors or employees.

Preventing Pollution: It's Up to Us

In the Santa Clara Valley, storm drains transport water directly to local creeks and San Francisco Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our creeks and bays and for the people who live near polluted streams or baylands. Common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Santa Clara Valley Urban Runoff Pollution Prevention Program

Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight stormwater pollution. This "blueprint" summarizes "Best Management Practices (BMPs) for stormwater pollution prevention.

Spill Response Agencies:

In the City of Sunnyvale, DIAL 9-1-1.

State Office of Emergency Service Warning Center (24 hours) 1-800-852-7550

Santa Clara County Environmental Health Services . . . . . . (408) 299-6930

Small Business Hazardous Waste Disposal Program

Santa Clara County businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month are eligible to use Santa Clara County's Small Business Hazardous Waste Disposal Program. Call (408) 299-7300 for a quote, more information or guidance on disposal.

Local Pollution Control Agencies:

County of Santa Clara Pollution Prevention Program . . . . . . (408) 441-1195

County of Santa Clara Integrated Waste Management Program . . . . . . (408) 441-1198

Santa Clara County Hazardous Waste Program . . . . . . (408) 299-7300

County of Santa Clara District Attorney Environmental Crimes Hotline . . . . . . (408) 299-TIPS

Santa Clara Valley Water District . . . . . . (408) 265-2600

Santa Clara Valley Water District Pollution Hotline 1-888-510-5151

Santa Clara County Recycling Hotline 1-800-533-8414

Regional Water Quality Control Board . . . . . . (510) 622-2300

Sunnyvale Water Pollution Control Plant . . . . . . (408) 730-7270

Sunnyvale Recycling Program . . . . . . (408) 730-7262

SMaRT Station®

(Green Team/Sanitary of Sunnyvale) Recycling Drop-Off Center, Garbage Disposal . . . . . . (408) 752-8530

General Construction and Site Supervision

Who should use this information?

- General Contractors
- Site Supervisors
- Inspectors
- Home Builders
- Developers
- Homeowners

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay.

As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

Doing the Job Right
General Principles

- ☐ Keep an orderly site and ensure good housekeeping practices are used.
- ☐ Maintain equipment properly.
- ☐ Cover materials when they are not in use.
- ☐ Keep materials away from streets, storm drains and drainage channels.
- ☐ Ensure dust control water doesn't leave site or discharge to storm drains.

Advance Planning To Prevent Pollution

- ☐ Schedule excavation and grading activities for dry weather periods. To reduce soil erosion, plant temporary vegetation or place other erosion controls before rain begins. Use the *Erosion and Sediment Control Field Manual*, available from the Regional Water Quality Control Board San Francisco Bay Region, as a reference.
- ☐ Control the amount of runoff crossing your site (especially during excavation!) by using berms or temporary or permanent drainage ditches to divert water flow around the site. Reduce stormwater runoff velocities by constructing temporary check dams or berms where appropriate.
- ☐ Train your employees and subcontractors. Make sure everyone who works at the construction site is familiar with this information. Inform subcontractors about the stormwater requirements and their own responsibilities. Use BASMAA, *Blueprint for a Clean Bay*, a construction best management practices guide available from the Santa Clara Valley Urban Runoff Pollution Prevention Program, and California Storm Water Quality Association Stormwater Best Management Practice Handbook Construction (Jan 2003) as references.

Good Housekeeping Practices

- ☐ Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, bermed if necessary. Make major repairs off site.
- ☐ Keep materials out of the rain – prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- ☐ Keep pollutants off exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.
- ☐ Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces.
- ☐ Never hose down "dirty" pavement or surfaces where materials have spilled.
- ☐ Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- ☐ 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. Never clean out a dumpster by hosing it down on the construction site.
- ☐ Place portable toilets away from storm drains. Make sure portable toilets are in good working order. Check frequently for leaks.

Materials/Waste Handling

- ☐ Practice Source Reduction – minimize waste when you order materials. Order only the amount you need to finish the job.
- ☐ Use recyclable materials whenever possible. Arrange for pick-up of recyclable materials such as concrete, asphalt, scrap metal, solvents, degreasers, cleared vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires.
- ☐ Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. (See Sunnyvale Recycling Program information listed above.) Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

Permits

- ☐ In addition to local grading and building permits, you will need to obtain coverage under the State's General Construction Activity Stormwater Permit if your construction site disturbs one acre or more. Information on the General Permit can be obtained from the Regional Water Quality Control Board.

Painting and Application of Solvents and Adhesives

Who should use this information?

- Painters
- Paperhangers
- Plasterers
- Graphic Artists
- Dry Wall Crews
- Floor Covering Installers
- General Contractors
- Home Builders
- Developers
- Homeowners

Storm Drain Pollution from Paints, Solvents, and Adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint material and wastes, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

Doing the Job Right
Handling Paint Products

- ☐ Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of as hazardous. Contact the Santa Clara County Hazardous Waste Program at (408) 299-7300.
- ☐ Wash water from painted buildings constructed before 1978 can contain high amounts of lead, even if paint chips are not present. Before you begin stripping paint or cleaning pre-1978 building exteriors with water under high pressure, test paint for lead by taking paint samples to a local laboratory. See Yellow Pages for a state-certified laboratory.
- ☐ If there is loose paint on the building, or if the paint tests positive for lead, block storm drains. Check with the wastewater treatment plant to determine whether you may discharge water to the sanitary sewer, or if you must send it offsite for disposal as hazardous waste.

Paint Removal

- ☐ Buildings constructed before 1978 may have lead paint in them. Test paint for lead by taking samples to a local environmental testing laboratory to determine if removed paint must be disposed of as hazardous waste.
- ☐ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury or tributyl tin must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
- ☐ When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct wash water onto a dirt area, or check Sunnyvale Water Pollution Control Plant (408) 730-7270 to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist the wastewater treatment authority in making its decision.

Painting Cleanup

- ☐ Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or stream.
- ☐ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain. Dispose of excess liquids and residue as hazardous waste.
- ☐ 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 excess liquids and residue as hazardous waste.
- ☐ When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Leave lids off paint cans so the refuse collector can see that they are empty. Empty, dry paint cans also may be recycled as metal.
- ☐ Dispose of empty aerosol paint cans as hazardous waste or at household hazardous waste collection events.

Recycle/Reuse Leftover Paints Whenever Possible

- ☐ Donate excess water-based (latex) paint for reuse. Call the Santa Clara County Hazardous Waste Program at (408) 299-7300 for details.
- ☐ Reuse leftover oil-based paint. Dispose of non-recyclable thinners, sludge and unwanted paint, as hazardous waste.
- ☐ Unopened cans of paint may be able to be returned to the paint vendor. Check with the vendor regarding its "buy-back" policy.

Landscaping, Gardening, And Pool Maintenance

Who should use this information?

- Landscapers
- Gardeners
- Swimming Pool/Spa Service and Repair Workers
- General Contractors
- Home Builders
- Developers
- Homeowners

Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Doing the Job Right
General Business Practices

- ☐ Protect stockpiles (e.g. asphalt, sand, or soil) and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- ☐ Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- ☐ Schedule grading and excavation projects during dry weather.
- ☐ Use temporary check dams or ditches to divert runoff away from storm drains.
- ☐ Protect storm drains with sandbags or other sediment controls.
- ☐ Revegetation is an excellent form of erosion control for any site. Replant as soon as possible with temporary vegetation such as grass seed.

Landscaping/Garden Maintenance

- ☐ Consider using Integrated Pest Management Techniques. Use pesticides sparingly, according to instructions on the label. Rinse empty containers, and use rinsewater as product. Dispose of rinsed, empty containers in the trash.
- ☐ Dispose of unused pesticides as hazardous waste.
- ☐ Curbside pickup of yard waste is provided for Sunnyvale residences. Place yard waste in approved containers at curbside for pickup on waste collection days. Commercial entities may take yard waste to the Sunnyvale SMaRT station for recycling. Contact the Sunnyvale Recycling Program (408) 730-7262 for further information.
- ☐ Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost if possible.
- ☐ Do not blow or rake leaves, etc. into the street, or place yard waste in gutters or on dirt shoulders. Sweep up any leaves, litter or residue in gutters or on street.

Pool/Fountain/Spa Maintenance
Draining pools or spas

When it's time to drain a pool, spa, or fountain, please be sure to call the Sunnyvale Water Pollution Control Plant (408) 730-7270 before you start for further guidance on flow rate restrictions, backflow prevention, and handling special cleaning waste (such as acid wash). Discharge flows should be kept to the low levels typically possible through a garden hose. Higher flow rates may be prohibited by local ordinance.

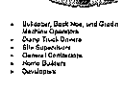
- ☐ Never discharge pool or spa water to a street or storm drain; discharge to a sanitary sewer cleanout.
- ☐ If possible, when emptying a pool or spa, let chlorine dissipate for a few days and then recycle/reuse water by draining it gradually onto a landscaped area. OR
- ☐ Contact the Sunnyvale Water Pollution Control Plant (408) 730-7270. You may be able to discharge to the sanitary sewer by running the hose to a utility sink or sewer pipe clean-out.
- ☐ Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide.

Filter Cleaning

- ☐ Never clean a filter in the street or near a storm drain. Rinse cartridge and diatomaceous earth filters onto a dirt area, and spade filter residue into soil. Dispose of spent diatomaceous earth in the garbage.
- ☐ If there is no suitable dirt area, call the Sunnyvale Water Pollution Control Plant (408) 730-7270 for instructions on discharging filter backwash or rinsewater to the sanitary sewer.

Earth-Moving and Dewatering Activities

Who should use this information?



- Bulldozer, Back Hoe, and Grading Machine Operators
- Dump Truck Drivers
- Site Supervisors
- General Contractors
- Home Builders
- Developers

Storm Drain Pollution from Earth-Moving Activities

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

Contaminated groundwater is a common problem in the Santa Clara Valley. Depending on soil types and site history, groundwater pumped from construction sites may be contaminated with toxics (such as oil or solvents) or laden with sediments. Any of these pollutants can harm wildlife in creeks or the Bay, or interfere with wastewater treatment plant operation. Discharging sediment-laden water from a dewatering site into any water of the state without treatment is prohibited.

Doing the Job Right
General Business Practices

- ☐ Schedule excavation and grading work during dry weather.
- ☐ Perform major equipment repairs away from the job site.
- ☐ When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- ☐ Do not use diesel oil to lubricate equipment parts, or clean equipment.

Practices During Construction

- ☐ Remove existing vegetation only when absolutely necessary. Plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- ☐ Protect downslope drainage courses, streams, and storm drains with wattles, or temporary drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's *Erosion and Sediment Control Field Manual* for proper erosion and sediment control measures, and California Stormwater Quality Association Stormwater Best Management Practice Handbook (construction, 2003).
- ☐ Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

Dewatering Operations
Check for Toxic Pollutants

- ☐ Check for odors, discoloration, or an oily sheen on groundwater.
- ☐ Call your local wastewater treatment agency and ask whether the groundwater must be tested.
- ☐ If contamination is suspected, have the water tested by a certified laboratory.
- ☐ Depending on the test results, you may be allowed to discharge pumped groundwater to the storm drain (if no sediments present) or sanitary sewer, OR, you may be required to collect and haul pumped groundwater offsite for treatment and disposal at an appropriate treatment facility.

Check for Sediment Levels

- ☐ If the water is clear, the pumping time is less than 24 hours, and the flow rate is less than 20 gallons per minute, you may pump water to the street or storm drain.
- ☐ If the pumping time is more than 24 hours and the flow rate greater than 20 gpm, call your local wastewater treatment plant for guidance.
- ☐ If the water is not clear, solids must be filtered or settled out by pumping to a settling tank prior to discharge. Options for filtering include:
  - Pumping through a perforated pipe sunk part way into a small pit filled with gravel.
  - Pumping from a bucket placed below water level using a submersible pump.
  - Pumping through a filtering device such as a swimming pool filter or filter fabric wrapped around end of suction pipe.
- ☐ When discharging to a storm drain, protect the inlet using a barrier of burlap bags filled with drain rock, or cover inlet with filter fabric anchored under the grate. OR pump water through a grassy swale prior to discharge.

Detecting Contaminated Soil or Groundwater

Contaminated groundwater is a common problem in the Santa Clara Valley. It is essential that all contractors and subcontractors involved know what to look for in detecting contaminated soil or groundwater, and testing ponded groundwater before pumping. Watch for any of these conditions:

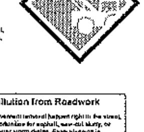
1. Unusual soil conditions, discoloration or odor.
2. Abandoned underground tanks.
3. Abandoned wells.
4. Buried barrels, debris or trash.

If any of these are found follow the procedures below.

Roadwork and Paving

Who should use this information?

- Road Crews
- Driveway/Sidewalk/Parking Lot Construction Crews
- Seal Coat Contractors
- Operators of Grading Equipment, Paving Machines, Dump Trucks, Concrete Mixers
- Construction Inspectors
- General Contractors
- Developers
- Home Builders



Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for asphalt, saw-cut slurry, or excavated material to illegally enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

Doing the Job Right
General Business Practices

- ☐ Develop and implement erosion/sediment control plans for roadway embankments.
- ☐ Schedule excavation and grading work during dry weather.
- ☐ Check for and repair leaking equipment.
- ☐ Perform major equipment repairs at designated areas in your maintenance yard, where cleanup is easier. Avoid performing equipment repairs at construction sites.
- ☐ When refueling or when vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- ☐ Do not use diesel oil to lubricate equipment parts or clean equipment.
- ☐ Recycle used oil, concrete, broken asphalt, etc. whenever possible, or dispose of properly.
- ☐ Take broken up concrete to a local recycling facility. Call the Sunnyvale Recycling Program at (408) 730-7262 for information.

During Construction

- ☐ Avoid paving and seal coating in wet weather, or when rain is forecast, to prevent fresh materials from contacting stormwater runoff.
- ☐ Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- ☐ Protect drainage ways by using earth dikes, sand bags, or other controls to divert or trap and filter runoff.
- ☐ Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- ☐ Cover stockpiles (asphalt, sand, etc.) and other construction materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- ☐ Park paving machines over drip pans or absorbent material (cloth, rags, etc.) to catch drips when not in use.
- ☐ Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags). Dig up, remove, and properly dispose of contaminated soil.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- ☐ Avoid over-application by water trucks for dust control.

Asphalt/Concrete Removal

- ☐ Avoid creating excess dust when breaking asphalt or concrete.
- ☐ After breaking up old pavement, be sure to remove all chunks and pieces. Make sure broken pavement does not come in contact with rainfall or runoff.
- ☐ When making saw-cuts, use as little water as possible. Shovel or vacuum saw-cut slurry and remove from the site. Cover or protect storm drain inlets during saw-cutting. Sweep up, and properly dispose of, all residues.
- ☐ Sweep, never hose down streets to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed liquid in storm drains.

Fresh Concrete and Mortar Application

Who should use this information?

- Masons and Bricklayers
- Sidewalk Construction Crews
- Patio Construction Workers
- Construction Inspectors
- General Contractors
- Home Builders
- Developers
- Concrete Delivery/Pumping Workers

Storm Drain Pollution from Fresh Concrete And Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

Doing the Job Right
General Business Practices

- ☐ Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- ☐ Wash out chutes onto dirt areas at site that do not flow to streets or drains.
- ☐ Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- ☐ Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- ☐ Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

During Construction

- ☐ Don't mix up more fresh concrete or cement than you will use in a two-hour period.
- ☐ Set up and operate small mixers on tarps or heavy plastic drop cloths.
- ☐ When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- ☐ Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- ☐ 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) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- ☐ When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a local recycling facility. Call the Sunnyvale Recycling Program at (408) 730-7262 for information.
- ☐ Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- ☐ Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Heavy Equipment Operation

Who should use this information?

- Vehicle and Equipment Operators
- Site Supervisors
- General Contractors
- Home Builders
- Developers

Stormwater Pollution from Heavy Equipment on Construction Sites

Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

Doing the Job Right
Site Planning and Preventive Vehicle Maintenance

- ☐ Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance. Contain the area with berms, sand bags, or other barriers.
- ☐ Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site where cleanup is easier.
- ☐ If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers. Recycle them whenever possible, otherwise, dispose of them as hazardous wastes.
- ☐ Do not use diesel oil to lubricate equipment parts, or clean equipment. Use only water for any onsite cleaning.
- ☐ Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events.
- ☐ Use as little water as possible for dust control. Ensure water used doesn't leave silt or discharge to storm drains.

Spill Cleanup

- ☐ Clean up spills immediately when they happen.
- ☐ Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible and properly dispose of absorbent materials.
- ☐ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- ☐ 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. In Sunnyvale, dial 9-1-1 if hazardous materials might enter the storm drain.
- ☐ If the spill poses a significant hazard to human health and safety, property or the environment, you must also report it to the State Office of Emergency Services 1-800-852-7550.

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ATTACHMENT D
Page 14 of 40

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580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions			
No.	Date	Issues and Revisions	By

A BLUEPRINT FOR
A CLEAN BAY

Project Number:	2011A101
Date:	12/21/2011
Scale	N.T.S.

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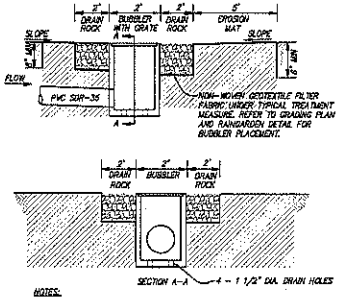
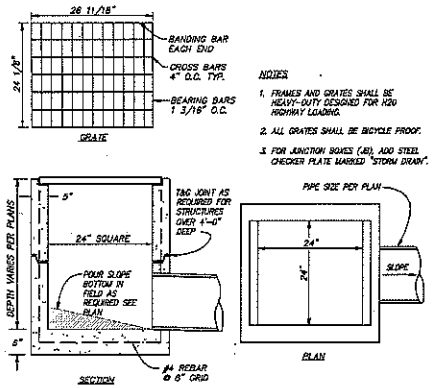


NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

BUBBLER/ENERGY DISSIPATOR (1)

N.T.S.

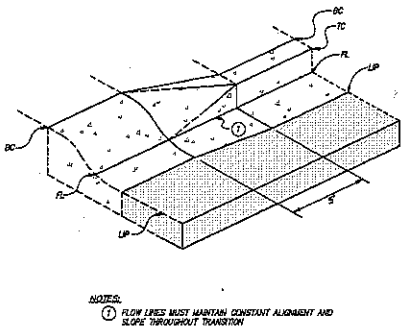


NOTES:

1. FRAMES AND GRATES SHALL BE HEAVY-DUTY DESIGNED FOR H20 HIGHWAY LOADING.
2. ALL GRATES SHALL BE BICYCLE PROOF.
3. FOR JUNCTION BOXES (JB), ADD STEEL CHECKER PLATE MARKED "STORM DRAIN".

24" CATCH BASIN DETAIL (2)

N.T.S.

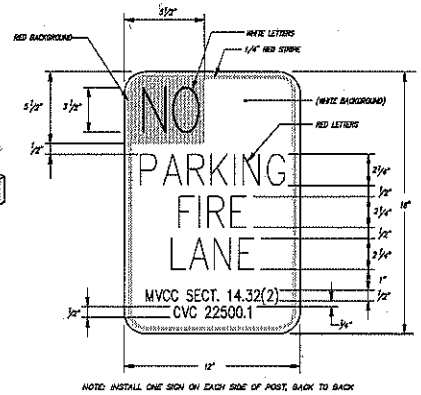


NOTES:

(1) FLOW LINES MUST MAINTAIN CONSTANT ALIGNMENT AND SLOPE THROUGHOUT TRANSITION

ROLLED/VERTICAL CURB TRANSITION (5)

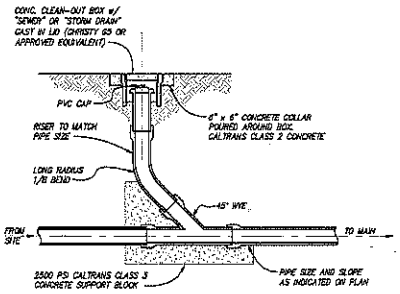
N.T.S.



NOTE: INSTALL ONE SIGN ON EACH SIDE OF POST, BACK TO BACK

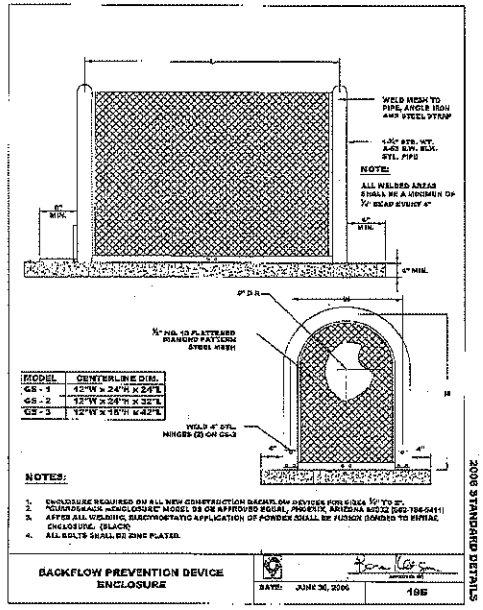
"FIRE LANE" SIGN DETAIL

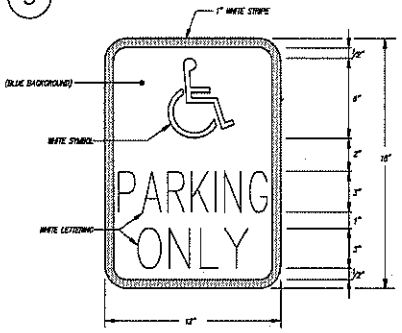
N.T.S.



CLEANOUT WITH LATERAL STUB (3)

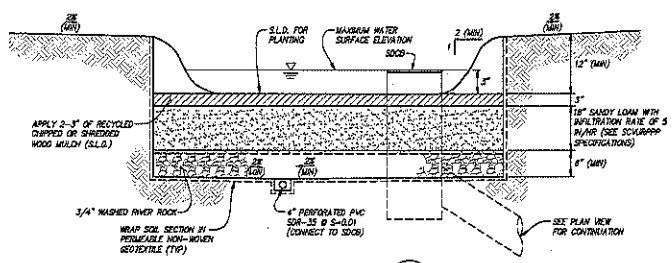
N.T.S.





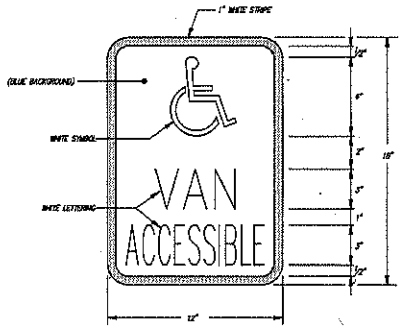
"ACCESSIBLE" SIGN DETAIL

N.T.S.



RAIN GARDEN (4)

N.T.S.



"VAN ACCESSIBLE" SIGN DETAIL

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TYPICAL PARKING SIGNS (6)

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Page 15 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

ON-SITE
CONSTRUCTION DETAILS

Project Number:	2011A101
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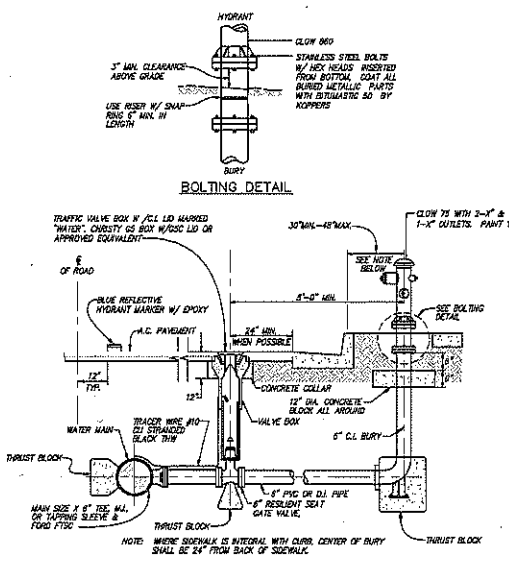

FIRE HYDRANT ASSEMBLY (1)
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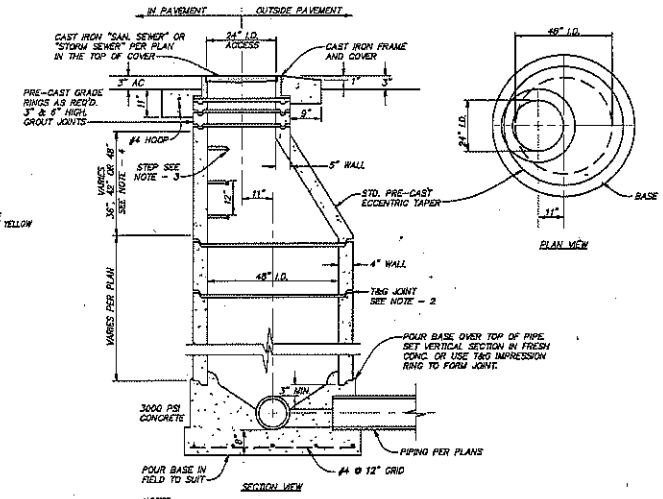
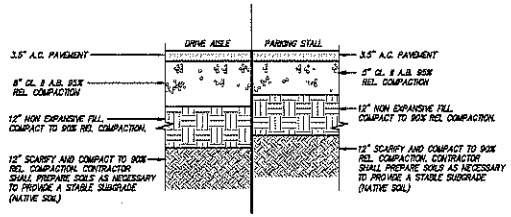
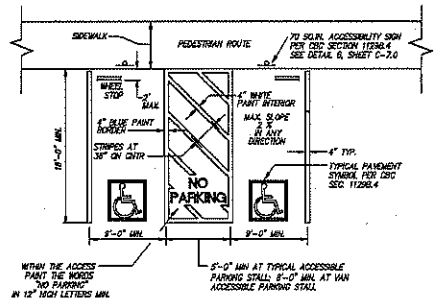


NOTES:
1. PRE-CAST MANHOLE MATERIAL SHALL BE MANUFACTURED TO ASTM SPECIFICATION C478.
2. GROUT JOINTS WITH 1:3 MORTAR MIX OR USE RAM-NEK JOINT COMPOUND.
3. USE POLY COATED STEPS. 3/4" DIA. CAUL STEEL STEPS ARE SPACED 12" O.C. VERTICALLY AND 6" FROM JOINTS. SEE LOCAL CODE FOR USE OF STEPS.
4. A 36" TAPER MAY BE COMBINED WITH A 12" VERTICAL TO FORM A 48" TAPER SECTION.
5. ALL CONCRETE JOINTS SHALL BE LEAKED, WETTED, A MORTARED PRIOR TO SETTING THE NEXT SECTION THE JOINTS SHALL BE PACKED, TOOLED AND BRUSHED WHILE THE MORTAR IS PLASTIC.
6. MANHOLE SHALL BE SET TO GRADE SUBSEQUENT TO PLACING AC OR PCC.
7. XYPEX CONCENTRATE/CRYSTALLINE COATING ON INTERIOR CONCRETE SURFACES.
8. STEPS NOT REQUIRED IN MANHOLES 3.5 FEET OR LESS IN DEPTH.

TYPICAL MANHOLE DETAIL (2)
N.T.S.



ASPHALT PAVEMENT SECTION (3)
N.T.S.



PARKING DETAIL (4)
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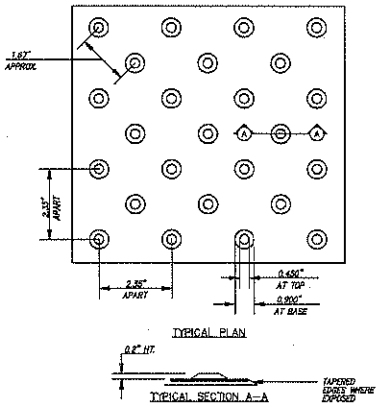

TRUNCATED DOMES (5)
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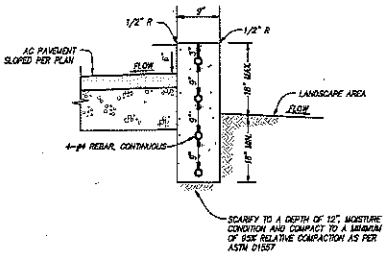
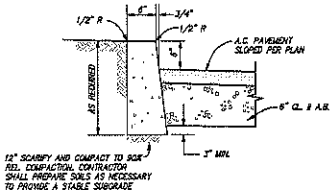


RETAINING VERTICAL CURB (6)
N.T.S.



6" VERTICAL CURB (7)
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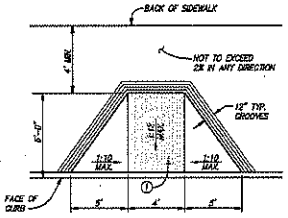
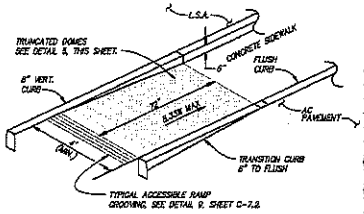


NOTES:
1. ADD DETECTABLE WARNING SURFACE (TRUNCATED DOMES), AS REQUIRED, PER DETAIL 5, THIS SHEET.
2. SEE GROOVING DETAIL 9, SHEET C-7.2.

ACCESSIBLE RAMP (8)
N.T.S.



NOTE:
1. ADD DETECTABLE WARNING SURFACE (TRUNCATED DOMES), AS REQUIRED, PER DETAIL 5 THIS SHEET.

IN-LINE ACCESSIBLE RAMP (9)
N.T.S.

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ATTACHMENT 16 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

ON-SITE
CONSTRUCTION DETAILS

Project Number:	2011A101
Date:	12/21/2011
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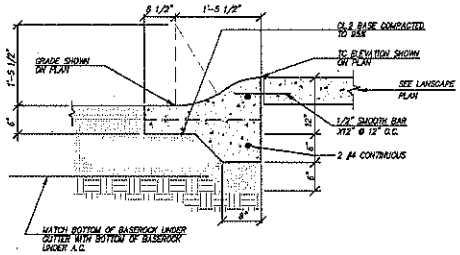

ROLLED CURB DETAIL (1)
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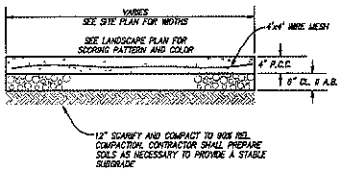

CONCRETE SIDEWALK (2)
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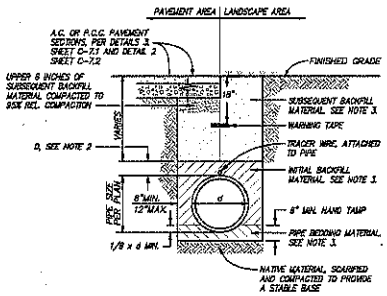

TRENCH DETAIL (3)
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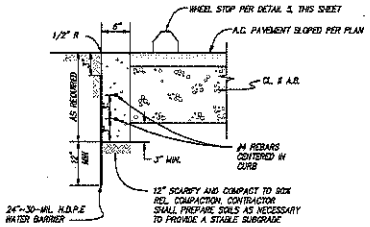

6" FLUSH CURB (6)
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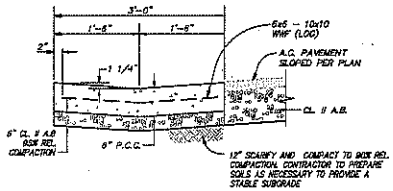

VALLEY GUTTER (4)
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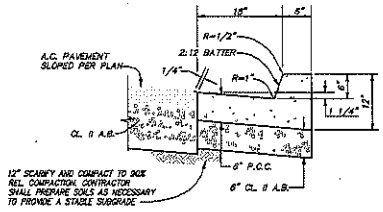

6" CURB AND GUTTER (7)
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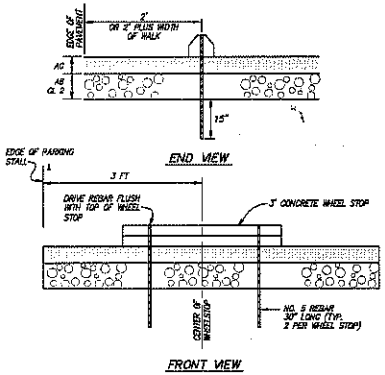

3' WHEEL STOP (5)
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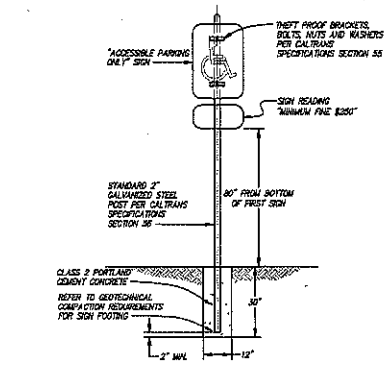

SIGN DETAIL (10)
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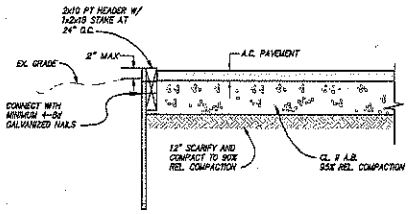

PT HEADER (8)
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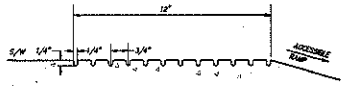

TYPICAL ACCESSIBLE RAMP GROOVING DETAIL (9)
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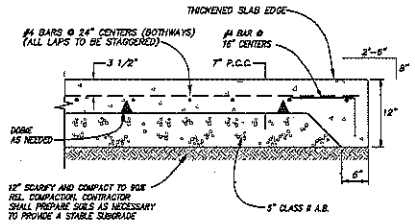

CONCRETE STRESS PAD (11)
N.T.S.

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ATTACHMENT 17 page 10 of 40

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By

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CONSTRUCTION DETAILS

Project Number:	2011A101
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Scale	AS SHOWN

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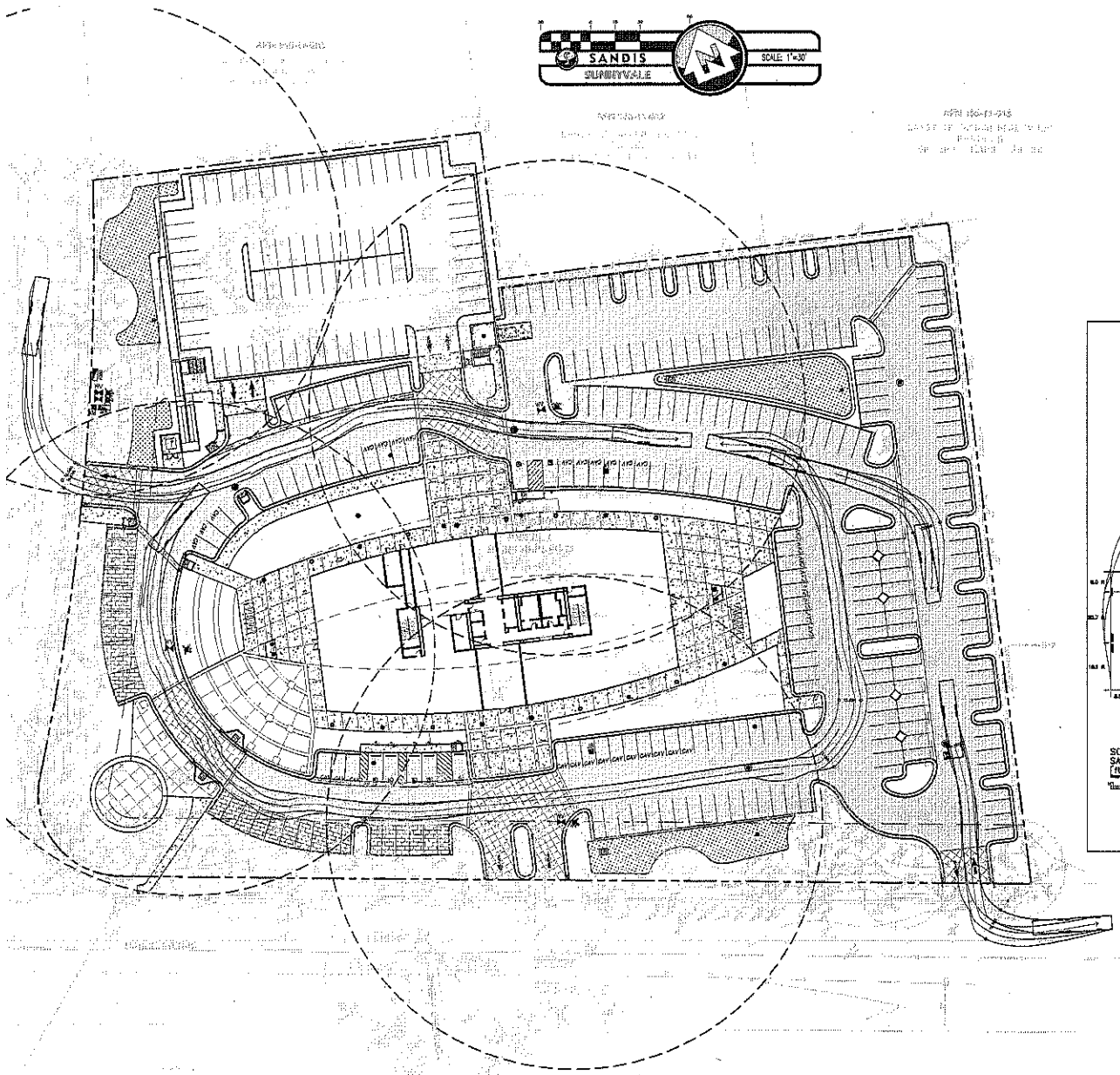
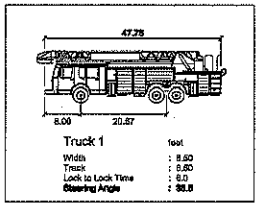
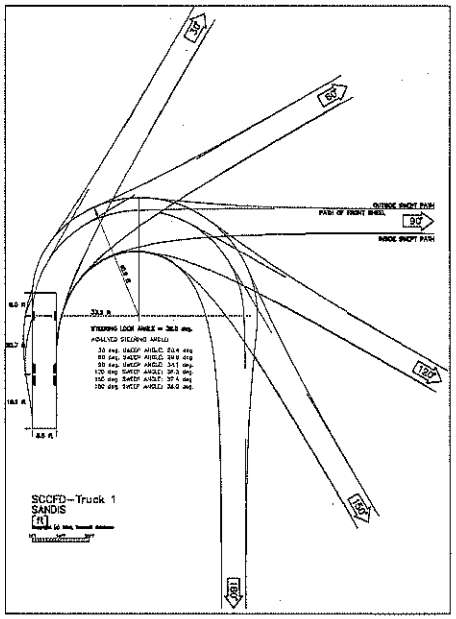


LEGEND

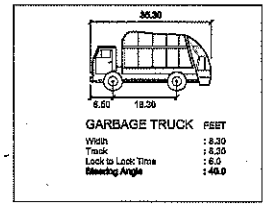
150' FIRE HYDRANT COVERAGE



SCCFD FIRE TRUCK



FIRE TRUCK TURNING TEMPLATE



GARBAGE TRUCK

NOTE: GARBAGE TRUCK TURNING TEMPLATE WAS USED TO VERIFY TRUCK CAN MANEUVER AROUND SITE TO PERFORM DUTIES

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18 of 40

580 N. MARY AVE.
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Issues and Revisions

No.	Date	Issues and Revisions	By

FIRE HYDRANT COVERAGE AND ACCESS PLAN

Project Number:	2011A101
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Scale	1"=30'

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Page 14 of 40

LEGEND:

SEE A4.1, A4.2, A7.1, & A7.2 FOR PARTITION TYPES. REFER TO PARTITION TYPE AND SEE A4.1 FOR CONSTRUCTION.

ONE HOUR RATED SHAFT OR PARTITION WITH TWENTY MINUTE DOOR ASSEMBLIES AND INSULATION. REFER TO PARTITION TYPE AND SEE A4.1 FOR CONSTRUCTION.

TWO HOUR RATED PARTITION, TYP. AT SHAFTS AND STAIRS. 90 MINUTE RATED OPENINGS AND INSULATION. REFER TO PARTITION TYPES INDICATED ON ENLARGED PLANS AND SEE A4.1 FOR CONSTRUCTION.

FIRE EXTINGUISHER SEE DETAIL 12 / A4.2 FOR SEMI-RECESSED, TYP. SURFACE MOUNTED AT PENTHOUSE AND MECHANICAL ROOMS.

NOTES:

1. SEE SHEET A0.1 FOR GENERAL NOTES
2. SEE SHEET A2.10 FOR FINISH SCHEDULES
3. SEE SHEET A2.11 FOR DOOR SCHEDULES
4. SEE DETAIL 1 / A4.1 FOR KEY TO PARTITION TYPES INDICATED BY THE SYMBOL
5. SEE DETAIL 3 / A0.3 FOR TYPICAL ACCESSIBLE INTERIOR DOOR CLEARANCE

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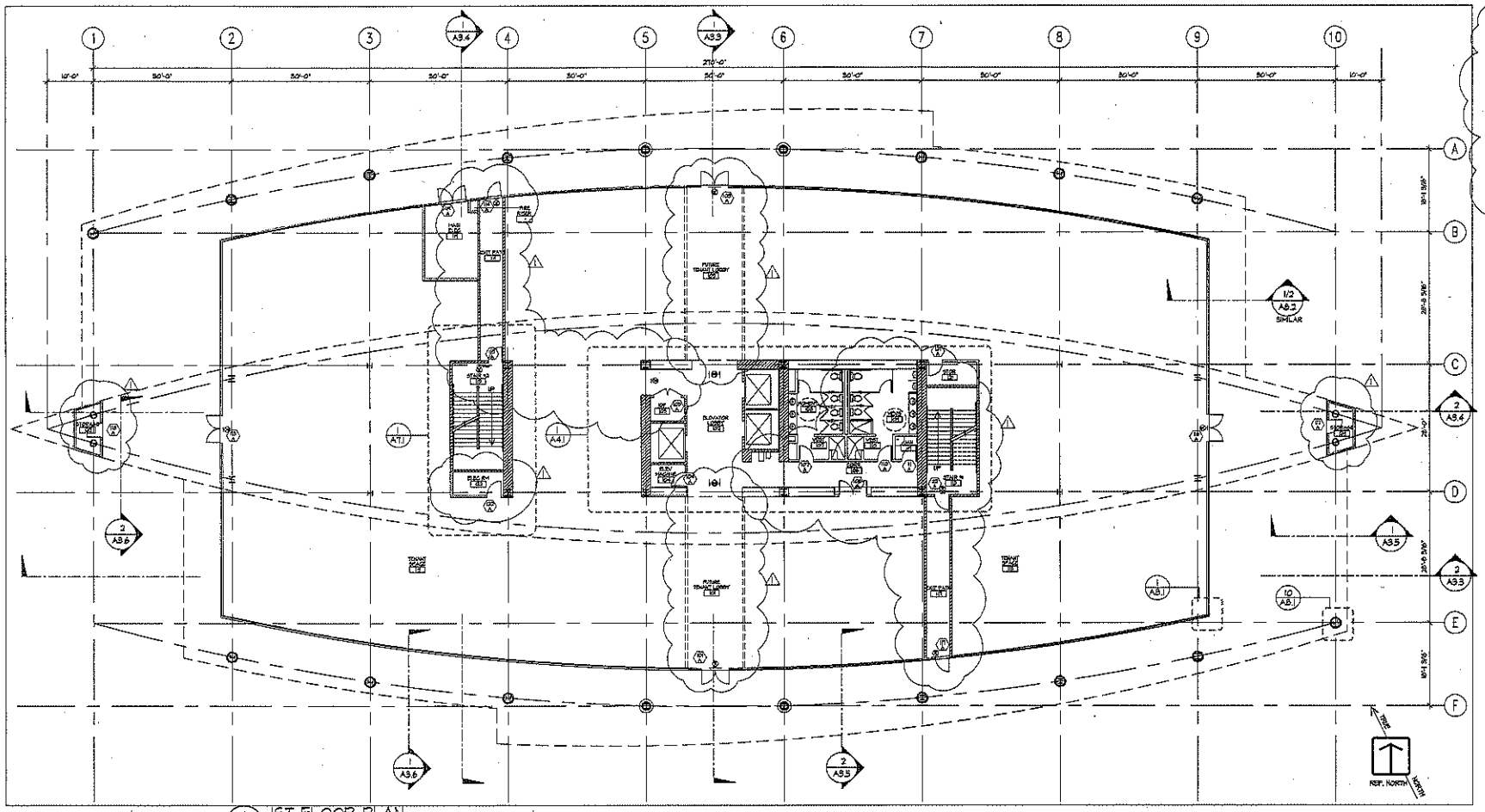

1 / A2.1 1ST FLOOR PLAN
SCALE: 5/32"= 1'-0"

PLUMBING FIXTURE COUNT
PER CPC 412.0 & TABLE 4-1

OCCUPANT LOAD

		O.L.
BLDG AREA	122,245 S.F.	610
DECK AREA	7,650 S.F.	510
		1,110
	MEN	555
	WOMEN	555

FIXTURE	MEN REQ'D	MEN PRV'D	WOMEN REQ'D	WOMEN PRV'D
W.C.	16	15	17	20
URINAL	13	14	-	-
LAV.	15	15	15	15
SHOWER	0	2	0	1
TOTAL	43	46	32	36

1

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By
1	12.21.11	PLANCHECK COMMENT 1	

FIRST FLOOR PLANS

Project Number:	2011A101
Date:	11/04/2011
Scale	3/32"=1'-0"

A2.1

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ATTACHMENT D
Page 26 of 40

LEGEND:

(2B) SEE A4.1, A4.2, A7.1, & A7.2 FOR PARTITION TYPES, REFER TO PARTITION TYPE AND SEE A4.1 FOR CONSTRUCTION.

ONE HOUR RATED SHAFT OR PARTITION WITH TWENTY MINUTE DOOR ASSEMBLIES AND INSULATION. REFER TO PARTITION TYPE AND SEE A4.1 FOR CONSTRUCTION.

TWO HOUR RATED PARTITION, TYP. AT SHAFTS AND STAIRS. 40 MINUTE RATED OPENINGS AND INSULATION. REFER TO PARTITION TYPES INDICATED ON ENLARGED PLANS AND SEE A4.1 FOR CONSTRUCTION.

FIRE EXTINGUISHER SEE DETAIL 12 / A4.2 FOR SEMI-RECESSED, TYP. SURFACE MOUNTED AT PENTHOUSE AND MECHANICAL ROOMS.

NOTES:

1. SEE SHEET 60.1 FOR GENERAL NOTES
2. SEE SHEET A2.10 FOR FINISH SCHEDULES
3. SEE SHEET A2.4 FOR DOOR SCHEDULES
4. SEE DETAIL 1 / A4.1 FOR KEY TO PARTITION TYPES INDICATED BY THE SYMBOL "(2A)"
5. SEE DETAIL 5 / 60.5 FOR TYPICAL ACCESSIBLE INTERIOR DOOR CLEARANCE

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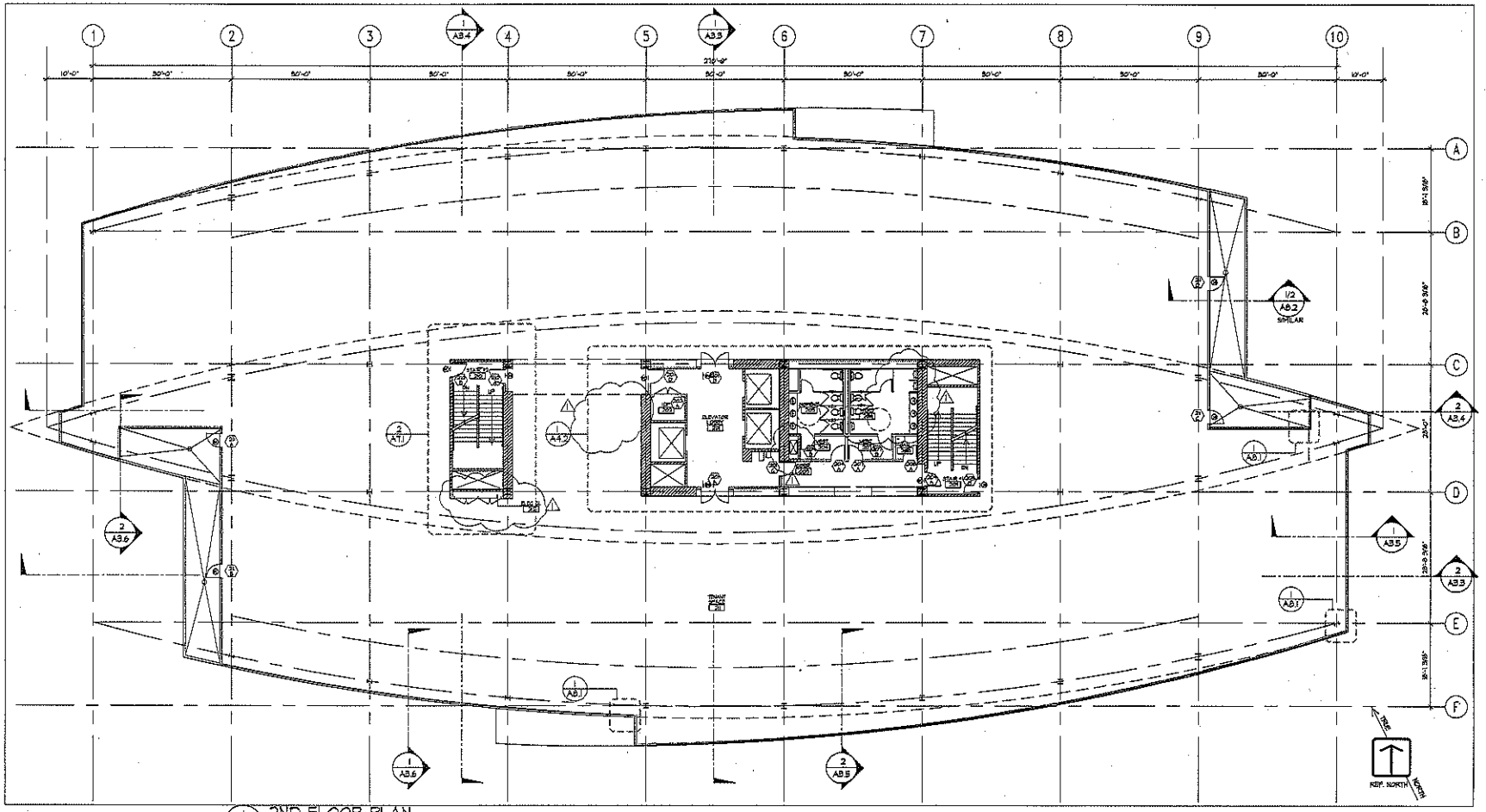

1 A2.2 2ND FLOOR PLAN
SCALE 3/32"= 1'-0"

580 N. MARY AVE.
OFFICE BUILDING

SUNNYVALE, CA

Issues and Revisions

No.	Date	Issues and Revisions	By
1	12.21.11	PLANCHECK COMMENT 1	

SECOND
FLOOR PLANS

Project Number: 2011A101
Date: 11/04/2011
Scale 3/32"=1'-0"

A2.2

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