

San Francisco Sidewalk Landscaping Reference Drawings

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	HT	HEIGHT
ADA	AMERICANS WITH DISABILITIES ACT	JT	JOINT
AGG.	AGGREGATE	MAX.	MAXIMUM
APPROX.	APPROXIMATELY	MFR	MANUFACTURER
CCSF	CITY & COUNTY OF SAN FRANCISCO	MIN.	MINIMUM
CL	CENTER LINE	(N)	NEW
CJ	CONTROL JOINT	N.T.S.	NOT TO SCALE
CLR.	CLEAR	O.C.	ON CENTER
CONC.	CONCRETE	PA	PLANTING AREA
CONT.	CONTINUOUS	PL	PROPERTY LINE
DEPT.	DEPARTMENT	QTY	QUANTITY
DG	DECOMPOSED GRANITE	R.	RADIUS
DIA.	DIAMETER	REBAR	REINFORCING BAR
DPW	DEPARTMENT OF PUBLIC WORKS	RPD	RECREATION AND PARKS DEPARTMENT
DWG	DRAWING	SIM.	SIMILAR
(E)	EXISTING	SJ	SCORE JOINT
EA	EACH	SPECS.	SPECIFICATION(S)
EJ	EXPANSION JOINT	STD	STANDARD
EQ	EQUAL	TYP.	TYPICAL
FT	FEET	UON	UNLESS OTHERWISE NOTED
GAL	GALLON	W/	WITH
GALV	GALVANIZED	W/O	WITHOUT
HORIZ	HORIZONTAL	#	NUMBER

DEFINITION OF TERMS

UNOBSTRUCTED PATH:

A 72 INCH WIDE MINIMUM UNOBSTRUCTED PATH IS REQUIRED FOR MOST SIDEWALKS AND SHALL BE LOCATED WITHIN THE THROUGHWAY ZONE OF SIDEWALKS. NARROW RESIDENTIAL AND ALLEYWAY SIDEWALKS MAY BE AN EXCEPTION. IN NO CASE SHALL NEW LANDSCAPING RESULT IN AN UNOBSTRUCTED SIDEWALK WIDTH OF LESS THAN 48 INCHES OR INCREASE THE CROSS-SLOPE OF THE PORTION OF THE SIDEWALK DESIGNATED AS AN ACCESSIBLE PATH-OF-TRAVEL FOR ADA PURPOSES. THE PATH OF TRAVEL ALONG THE SIDEWALK SHALL BE STRAIGHT AND CONTINUOUS, WITHOUT JOGS OR OFFSETS. THE PAVED SIDEWALK SHOULD PROVIDE ADEQUATE AND COMFORTABLE PEDESTRIAN SPACE IN RESPONSE TO THE PEDESTRIAN ACTIVITY LEVEL OF LOCATION.

COURTESY STRIP:

A COURTESY STRIP IS LOCATED IN THE SIDEWALK EDGE ZONE BETWEEN PLANTING BED AND CURB. THE COURTESY STRIP IS ONLY REQUIRED FOR SIDEWALKS WITH CURBSIDE PARKING TO PROVIDE A CLEAR AREA FOR PASSENGERS TO STEP OUT ON TO SIDEWALK. THIS STRIP MEASURED FROM THE FACE OF CURB SHALL REMAIN ACCESSIBLE AND CLEAR OF LANDSCAPE PLANTING. THE STRIP WIDTH REQUIREMENTS VARY WITH PARKING LAYOUT:

- 24 INCH WIDE COURTESY STRIP IS REQUIRED FOR SIDEWALKS ADJACENT TO PARALLEL PARKING.
- 32 INCH WIDE COURTESY STRIP IS REQUIRED FOR SIDEWALKS ADJACENT TO DIAGONAL PARKING.
- 48 INCH WIDE COURTESY STRIP IS REQUIRED FOR SIDEWALKS ADJACENT TO PERPENDICULAR PARKING.
- SIDEWALKS WITHOUT CURBSIDE PARKING DO NOT REQUIRE THE COURTESY STRIP.

4 FOOT ACCESSIBLE PATH:

FOR EACH CURBSIDE PARKING SPACE (APPROXIMATELY 15-20 FEET OF CURB LENGTH), A MINIMUM 48 INCH WIDE ACCESSIBLE PATH IS REQUIRED TO PASS PERPENDICULARLY FROM THE CURB TO THE SIDEWALK PATH-OF-TRAVEL. THIS PATH SHALL BE LOCATED AT THE APPROXIMATE CENTERLINE OF EACH CURBSIDE PARKING SPACE. THE PATH MUST BE MADE OF ACCESSIBLE MATERIAL, SUCH AS CONCRETE OR PAVERS SET ON A FIRM BASE, AND NOT EXCEED A 2% CROSS SLOPE WHERE TECHNICALLY FEASIBLE. THE PATH LAYOUT WITHIN A BLOCK VARIES BASED ON PARKING LAYOUT:

- FOR PARALLEL PARKING, SPACE A 4 FOOT PATH A MAXIMUM OF EVERY 18-20 FEET.
- FOR PERPENDICULAR AND DIAGONAL PARKING, SPACE A 4 FOOT PATH A MAXIMUM OF EVERY 12 FEET.
- AREAS WITHOUT CURBSIDE PARKING DO NOT REQUIRE THIS ADDITIONAL PATH.

GENERAL NOTES

IN ADDITION TO THESE DRAWINGS, REFER TO CCSF STANDARD SPECIFICATIONS AND REFER TO SIDEWALK LANDSCAPING GUIDELINES ON CCSF DEPARTMENT OF PUBLIC WORKS WEBSITE (<http://www.sfdpw.org>)

ALL WORK PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.

PROTECT ALL EXISTING UTILITIES, IMPROVEMENTS AND STRUCTURES AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY IF DAMAGED DURING THE COURSE OF WORK.

COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND SHALL REPORT CONFLICTS, OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND EXISTING FACILITIES TO PROPERTY OWNER (OR ACTING AGENT) AND DPW STAFF IMMEDIATELY.

CLEAR AND REMOVE ALL ORGANIC MATTER, DEBRIS AND RUBBISH FROM WITHIN THE LIMIT OF WORK. DISPOSE OF SAID MATERIAL IN A LEGAL MANNER AS CONTRACTOR'S PROPERTY.

SUBMIT SHOP DRAWINGS FOR ALL CUSTOM WORK.

NOTIFY PROPERTY OWNER (OR ACTING AGENT), IF EXISTING ELECTRICAL CONDUIT IS AFFECTED BY CONSTRUCTION.

PRIOR TO DEMOLITION PERFORM A SITE WALK-THROUGH WITH PROPERTY OWNER (OR ACTING AGENT) AND DPW STAFF TO REVIEW DEMOLITION.

PROTECT ALL TREES FROM DAMAGE. REFER TO SPECIFICATION 01542 AND 02212.

RESET (E) UTILITY BOXES IN ALL PATH AND PAVING AREAS TO NEW PAVING ELEVATIONS.

GRIND ALL (E) TREE STUMPS 18" BELOW FINISH GRADE WHERE EXIST WITHIN LIMIT OF WORK.

PROVIDE A SMOOTH, CONTINUOUS AND STRAIGHT LINE WHERE NEW PAVING IS INSTALLED.

THE CONTRACTOR SHALL CHECK FOR THE PRESENCE OF UNDERGROUND UTILITIES IN THE AREA OF PROPOSED PLANTINGS AND SHALL BE SOLELY RESPONSIBLE IN AVOIDING INTERFERENCE WITH OR DAMAGE TO ELECTRIC OR TELEPHONE CONDUITS, SEWERS AND OTHER UTILITIES. CALL UNDERGROUND UTILITY ALERT AT 1-800-227-2600 AT LEAST 2 DAYS PRIOR TO ANY DEMOLITION WORK TO IDENTIFY AND LOCATE ALL UNDERGROUND UTILITIES.

ANY PARKING SIGNS, METERS, AND MANY OTHER ABOVE-GROUND INFRASTRUCTURES MUST REMAIN SET WITHIN CONCRETE FOR ADEQUATE ANCHORING. STREET LIGHTS AND UTILITY POLES HAVE ADEQUATE FOOTINGS AND THEREFORE SURROUNDING SURFACE SIDEWALK CONCRETE CAN BE REMOVED TO EXPAND PLANTING BED.

STREET LIGHTS, UTILITY POLES, MAILBOXES, TRASH RECEPTACLES, BIKE RACKS, AND OTHER STREET FIXTURES, WITH THE EXCEPTION OF PARKING METERS AND PARKING SIGNS, MUST REMAIN ACCESSIBLE BY A 36 INCH WIDE CLEAR PATH PERPENDICULAR TO THE CURB, AS MEASURED FROM THE CENTERLINE OF THE FIXTURE. THE ACCESSIBLE PATH TO MAILBOXES, TRASH RECEPTACLES, BIKE RACKS AND OTHER SUCH STREET FIXTURES IS REQUIRED FROM THE SIDEWALK. THE ACCESSIBLE PATH TO UTILITY POLES AND STREET LIGHTS IS REQUIRED FROM THE EDGE OF CURB VERSUS SIDEWALK.

POINTS OF ACCESS TO UNDERGROUND UTILITIES MUST REMAIN UNOBSTRUCTED. PLANTINGS ADJACENT TO SUCH POINTS OF ACCESS SHALL BE KEPT A MIN. OF 6 INCHES CLEAR FROM ALL SIDES. UTILITY LIDS AND BOXES CAN LIE WITHIN THE PLANTING BED AND THE PORTION OF CONCRETE SIDEWALK SURROUNDING THE UTILITY BOX CAN BE REMOVED. WITHIN THE 6 INCH CLEAR AREA, INSTALL PAVERS OR STONE MULCH AROUND UTILITY TO KEEP PLANTS FROM COVERING THE LID.

DEMOLITION NOTES

ALL MATERIAL TO BE REMOVED SHALL BE DISPOSED OF BY CONTRACTOR, IN A LEGAL MANNER AS CONTRACTOR'S PROPERTY.

ALL DEMOLITION WORK WITHIN DRIP LINE OF EXISTING TREES TO REMAIN SHALL BE DONE BY HAND. CLEANLY CUT ANY ROOTS LARGER THAN ONE INCH DIAMETER. DO NOT TEAR ROOTS.

PROVIDE PROTECTION AND REGULAR IRRIGATION WATER FOR EXISTING PLANT MATERIAL TO REMAIN FOR THE ENTIRE DURATION OF THE PROJECT.

TREE REMOVAL/PRUNING NOTES

PRIOR TO ANY TREE WORK, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH PROPERTY OWNER (OR ACTING AGENT) AND DPW STAFF.

ALL TREES DESIGNATED FOR REMOVAL REQUIRE A TREE REMOVAL PERMIT FROM DPW. TREES SHALL BE TAGGED BY CONTRACTOR AND REVIEWED FOR CONSENT BY DPW STAFF PRIOR TO ANY DEMOLITION.

AREAS DAMAGED BY TREE WORK SHALL BE RESTORED AND REPAIRED.

TREES IN SIDEWALK SHALL BE PRUNED TO MAINTAIN 80" CLEARANCE ABOVE SIDEWALK. REFER TO DPW DIRECTOR'S ORDER 169.946

LAYOUT NOTES

VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS. ALL DIMENSIONS SHALL BE MEASURED HORIZONTALLY. VERIFY LOCATION AND ELEVATIONS OF UTILITY VAULTS AND OTHER COVERS.

PLACE EXPANSION JOINTS WHERE ALL HORIZONTAL PAVING ABUTS A VERTICAL SURFACE AND AT 30' O.C. ALONG CONC. CURBS AND WALLS, AND AS INDICATED ON PLANS. JOINTS SHALL BE 3/8" PRE-MOLDED ASPHALTIC FIBER MATERIAL. SCORE JOINTS SHALL BE 1/4 INCH WIDE AND 1/2 INCH DEPTH OF CONCRETE, TYPICAL. EDGES SHALL HAVE A 1/4 INCH TOOLED RADIUS.

STAKE ALL PAVED AREAS FOR REVIEW BY PROPERTY OWNER (OR ACTING AGENT) AND DPW STAFF BEFORE CONSTRUCTION.

GRADING NOTES

VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS; AND LOCATION AND ELEVATIONS OF UTILITY BOXES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURFACE DRAINAGE IN ALL PAVING AND PLANTING AREAS. ALL GROUND SURFACES SHALL BE FINISHED TO A SMOOTH AND CONTINUOUS GRADE, DRAINING PROPERLY AND FREE OF STANDING WATER. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES IN PLANTING AREAS.

WHERE PLANTING BEDS EXCEED 10% SLOPE CONTRACTOR SHALL INSTALL TERRACING TO PREVENT EROSION AND RUNOFF OF MULCH AND SOIL.

WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, FINISH GRADES SHALL BE FLUSH UNLESS OTHERWISE NOTED. EASE TOP AND TOE OF ALL SLOPES TO PROVIDE SMOOTH TRANSITIONS BETWEEN GROUND PLANES. DPW STAFF RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADES AS THE WORK PROGRESSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE.

ALL PLANTING AREAS FINISH GRADE SHALL BE 2" BELOW PAVING.

PLANTING NOTES

SEE STANDARD SPECIFICATIONS, SECTION 1007 "PLANTING", FOR ADDITIONAL PLANTING INFORMATION.

REFER TO PLANT LISTS PROVIDED. ON SHEET L-2.0

CONTRACTOR SHALL REVIEW ALL PLANT MATERIAL ON SITE WITH PROPERTY OWNER (OR ACTING AGENT) AND SHALL PROCEED WITH LAYOUT OF MATERIAL ONLY AFTER OBTAINING APPROVAL.

REVIEW SUBSTITUTIONS, ADDITIONS, AND DELETIONS WITH PROPERTY OWNER (OR ACTING AGENT) AND DPW STAFF.

UNLESS OTHERWISE NOTED, ALL GROUND COVER AND SHRUBS SHALL BE SPACED TRIANGULARLY.

ALL NEWLY PLANTED GROUND COVER AND SHRUB AREAS TO RECEIVE 2" MIN. MULCH (SHREDED BARK, STONE OR DECOMPOSED GRANITE). MULCH SHALL BE FLUSH WITH ADJACENT PAVING. SEE SPECIFICATIONS.

METAL OR WOOD WORK NOTES

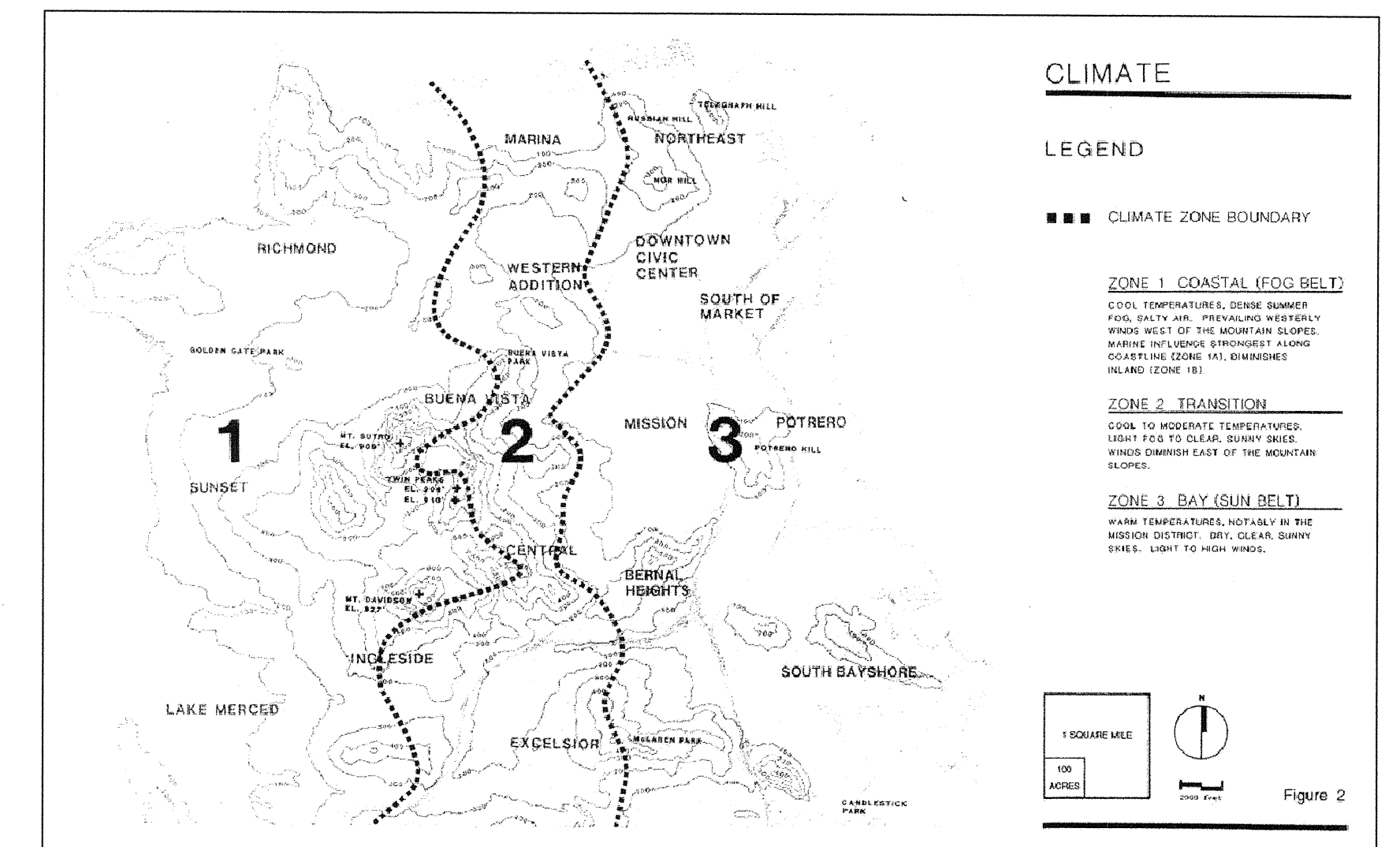
SUBMIT SHOP DRAWINGS FOR ALL METAL WORK TO PROPERTY OWNER FOR APPROVAL.

LICENSE CLASSIFICATION

- IN ACCORDANCE WITH THE PROVISION OF CALIFORNIA PUBLIC CONTRACT CODE 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONAL CODE SHALL BE CONSIDERED NON RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
- THE CONTRACTOR SHALL POSSESS A CLASS-27 LANDSCAPE CONTRACTORS LICENSE AT THE TIME OF THE OPENING OF THE BIDS.

INDEX TO DRAWINGS

SHEET NO.	TITLE
L-0.0	TITLE SHEET
L-1.0	LAYOUT DESIGN OPTIONS FOR DIFFERENT SIDEWALK WIDTHS IN AREAS DESIGNATED FOR 'NO PARKING'
L-1.1	LAYOUT DESIGN OPTIONS FOR DIFFERENT SIDEWALK WIDTHS IN AREAS DESIGNATED FOR 'PARKING'
L-2.0	PLANTING DESIGN OPTIONS AND MODULE PLANTING BED LAYOUTS
L-3.0	PAVING PLAN & DETAILS
L-3.1	EDGE TREATMENT OPTION DETAILS
L-3.2	PLANTING DETAILS



CLIMATE ZONE MAP OF SAN FRANCISCO
Not to Scale

City and County of San Francisco



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Edward D. Reiskin, Director

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Gary Hoy
Construction Management
Donald J. Eng, PE
Engineering Bureau
Patrick Rivera, PE
Project Management Bureau
Edgar A. Lopez
Street Use and Mapping Bureau
Barbara L. Moy

TO : KATHLEEN O'DAY, Project Manager

SUBJECT : DISABILITY ACCESS QUALITY ASSURANCE REVIEW

PROJECT : SIDEWALK LANDSCAPING REFERENCE DRAWINGS

CLIENT DEPARTMENT : DEPARTMENT OF PUBLIC WORKS

DATE : 11/23/2010, 2010

THIS MEMO IS TO CONFIRM THAT I HAVE REVIEWED THE CONSTRUCTION DOCUMENTS AND THE APPLICABLE FEDERAL AND STATE REQUIREMENTS FOR PHYSICAL AND PROGRAMMATIC ACCESSIBILITY FOR ABOVE NOTED PROJECT.

Sincerely,

Kevin W. Jensen, AIA, CSI
ADA/Disability Access Coordinator
Department of Public Works
Project Management Bureau
30 Van Ness Avenue, 4th Floor
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"IMPROVING THE QUALITY OF LIFE IN SAN FRANCISCO" We are dedicated individuals committed to teamwork, customer service and continuous improvement in partnership with the community.
Customer Service Teamwork Continuous Improvement

NO.	DATE	DESCRIPTION	BY	APP.
1	10.28.10	ADA REVIEW MODIFICATIONS		
2	11.30.10	Notes - Director's order on tree pruning		

TABLE OF REVISIONS
THIS DRAWING WAS LAST MODIFIED: 11/05/10 18:13, BY: ko'day

REFERENCE INFORMATION & FILE NO. OF SURVEYS

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE:	APPROVED:	SCALE:
KO 10/8/10		NOT TO SCALE
DRAWN: DATE:	SECTION MANAGER DATE:	
KO/EB 10/8/10		
CHECKED: DATE:	DEPUTY BUREAU MANAGER DATE:	SHEET OF SHEETS
SH 10/8/10		1 OF 7
	CITY ENGINEER DATE:	

CITY OF SAN FRANCISCO SIDEWALK LANDSCAPING REFERENCE DRAWINGS TITLE SHEET Drawing Index and Notes	CONTRACT NO. DRAWING NO. L-0.0 FILE NO. REV. NO.
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Drawing Path: S:\A\Sidewalk Landscaping\Drawings-Sketches\Autocad for web and bsm\1-0.0 Sidewalk Landscaping\Dimensions\Drawings-2.dwg; 2.dwg; 2.dwg; ko'day
 Plot Time: Tue, 16 Nov 2010 10:13:00
 Model Units: Feet
 Xref: V:\###\SF Sidewalk Landscaping\Drawings-Sketches\Autocad sheets for BSM\B05_T00.dwg
 S:\A\LIBRARY\CityMap.dwg