

**City and County of San Francisco**

**San Francisco Public Works**



**London N. Breed, Mayor**  
**Mohammed Nuru, Director**

**GENERAL - DIRECTOR'S OFFICE**  
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**Public Works Order No: 200405**

**ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD**

ADOPTING THE ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD PLAN NOS. 112,442 THROUGH 112,445 AND ALLOWING THE CITY ENGINEER, PUBLIC WORKS DISABILITY ACCESS COORDINATOR (DAC), OR THEIR DESIGNEE TO GRANT APPROVAL OF SIDEWALK IMPROVEMENT PLANS IN ACCORDANCE WITH SAN FRANCISCO BOARD OF SUPERVISORS ORDINANCE NO. 51-16: MANDATORY DISABILITY ACCESS IMPROVEMENTS, ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD.

**I. PURPOSE**

This Public Works Order adopts the following:

- A. Requirements for the adjustment and relocation of municipal and private utilities in order to modify existing sidewalks in accordance with this Standard.
- B. Accessible Business Entrance Program Standard (ABES).
- C. Procedures for granting exceptions or accepting alternatives to this Standard under the provisions of the following:
  - 1. California Code of Regulations (CCR) Title 24, Part II; California Building Code.
  - 2. 28 CFR Part 35; Title II, and Part 36; Title III of the Americans with Disabilities Act of 1990 (ADA) as amended effective March 15, 2011, and the 2010 ADA Standards for Accessible Design, effective March 15, 2012.
- D. Guidelines for Public Works to grant exceptions or accepting alternatives to this Standard.

**II. REFERENCE STANDARDS**

- A. San Francisco Public Works Code including, but not limited to:
  - 1. Article 2.4- Excavation in the Public Right-Of-Way
  - 2. Article 4.2- Stormwater Management



3. Article 15, Section 706- Owners of Frontage Responsible for repair- liability for unsafe conditions
- B. Public Works Order No. 187,005, Regulations for Excavating and Restoring Streets in San Francisco, which applies to sidewalks and streets within Public Right-of-Way including utility boxes, vaults, and manholes that may need relocation or adjustment.
- C. Public Works Order No. 184,350, Establishing Regulations and Guidelines for the Evaluation and Construction of New Curb Ramps or Reconstruction/Upgrade of Existing Curb Ramps and Additional Pedestrian Safety Improvements When Street Excavations Occur at Angular Returns or in the Crosswalk.
- D. Public Works Order No. 185,854, Accessible Street Crossing Standard, including accessible street crossing standard plans.
- E. Public Works Standard Plans, current edition, including but not limited to the following:
  1. Accessible Street Crossing Standard Plans RX-1 through RX-11 (File No. 102,854 through 102,864).
- F. Public Works Standard Specifications, current edition, including but not limited to the following:
  1. Part 2: Streets and Highways including but not limited to Section 202- Concrete Curb, Section 203- Concrete Curb and Gutter, Section 204- Concrete Sidewalk
  2. Part 8: Concrete, Metalwork, Painting and Miscellaneous, Section 800 Portland Cement Concrete and Related Materials and Work
- G. Public Works Standard Specifications and Plans are available through the following link:
  1. <https://sfpublicworks.org/services/standards-specifications-and-plans>
- H. California Code of Regulations (CCR) Title 24, Part II; California Building Code.
- I. 28 CFR Part 35; Title II of the Americans with Disabilities Act of 1990 (ADA) as amended effective March 15, 2011, and the 2010 ADA Standards for Accessible Design, effective March 15, 2012.
- J. 28 CFR Part 36; Title III of the Americans with Disabilities Act of 1990 (ADA) as amended effective March 15, 2011, and the 2010 ADA Standards for Accessible Design, effective March 15, 2012.

### III. PERMITS

- A. Applicable permits required through the Bureau of Street Use and Mapping (BSM) and Department of Building Inspection (DBI) include, but are not limited to, the following available on the Public Works website <https://sfpublicworks.org/services/permits>:
  1. BSM Minor Encroachment Permit.
    - a. Typical examples include sub-sidewalk basements, fences, retaining walls, steps, raised planters, sidewalk warping, level landings, railings, etc. constructed in the public right-of-way (ROW).
    - b. This permit typically is recorded against the property.

2. BSM Sidewalk Repair Permit.
    - a. This responsibility includes making repairs as needed when a sidewalk is damaged.
    - b. Reference Public Works Code Section 708- Sidewalk Improvement.
  3. BSM Street Improvement Permit.
    - a. Construction work that impacts sidewalk, curb and gutter, pavement, or any other facilities in the ROW.
    - b. Performing work on or near any new or existing sub-sidewalk basement.
  4. DBI Sub-sidewalk Basement Permit.
    - a. Submit building permit application form and plans to the Department of Building Inspection, Over the Counter (OTC) intake located at 1660 Mission Street.
    - b. Public Works may require information on the extent of the basement structure including dimensions, plans, sections, and details for its permit review.
- B. Requirements for the adjustment and relocation of municipal and private utilities. Public Works shall require an applicant for all permits referenced above to coordinate directly with the utility liaison for the adjustment and relocation of municipal (Public Works, SFMTA, SFPUC, etc.) and private (PG&E, AT&T, Comcast, etc.) utilities.
1. Permittees shall bear all costs to adjust or relocate municipal utilities and infrastructure.

**IV. ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD PLANS**

- A. This Order hereby adopts the Accessible Business Entrance Program standard plans numbered:

File No.  
112,442  
112,443  
112,444  
112,445

- B. Permits issued after January 1, 2019 shall be designed and constructed in accordance with the Accessible Business Entrance Program Standard and BOS Ordinance No. 51-16.

**V. PROCEDURE FOR REQUESTING AN ALTERNATE METHOD OF COMPLIANCE, EXCEPTION, UNREASONABLE HARDSHIP OR EQUIVALENT FACILITATION TO ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD**

The City Engineer, Public Works Disability Access Coordinator (DAC), or their designee may grant approvals of an alternate method of compliance, exception, unreasonable hardship or equivalent facilitation to the Accessible Business Entrance Program Standard (ABES).

- A. An Applicant seeking an exception to the ABES as it relates to a minor encroachment permit application and any other permits that the Department requires shall submit to BSM an ABES

Exception Request addressed to the City Engineer and Public Works Disability Access Coordinator (DAC). The ABES Exception Request shall include the following:

1. A written letter explaining the reason for the alternate method of compliance, exception, unreasonable hardship or equivalent facilitation that is requested.
    - a. Explain specifically and provide documentation to illustrate how full compliance with the applicable statutes, regulations, and the ABES is technically infeasible or structurally impracticable, or how it would create an unreasonable hardship. Citations of specific sections of the 2010 ADA Standards and the California Building Code are required for each element or feature for which an alternate method of compliance, exception, unreasonable hardship or equivalent facilitation is requested.
    - b. Describe which standard features are proposed to be altered, how they will be altered, and propose an alternate method of compliance, exception, unreasonable hardship or equivalent facilitation.
    - c. The name of the person and/or organization requesting the exception and the relationship to the property owner if the requestor is not the property owner. Consent from the property owner is required if the applicant is not the property owner.
    - d. The contact person's name, phone number, physical address, and email address.
    - e. The building owner's name, phone number, physical address, and email address.
    - f. The location of the request for an exception to the ABES.
  2. A detailed dimensioned plan documenting existing physical and legal constraints; e.g. sidewalk widths, facility entrances and exits, stairs, ramps, driveways, catch basin inlets, sub-sidewalk basements, sidewalk furniture and infrastructure (utility poles, utility boxes and vaults, fire hydrants, traffic signals, street trees, etc.), curbs, property lines, spot elevations in a grid-like pattern perpendicular to the property line or path of travel to demonstrate the running and cross slopes of roads and sidewalks, etc., also including the location of the proposed alternate method of compliance, exception, unreasonable hardship or equivalent facilitation to ABES.
  3. Pictures documenting existing physical constraints at the location of the request for an alternate method of compliance, exception, unreasonable hardship or equivalent facilitation.
  4. The Applicant shall submit to Public Works as part of his or her request for alternate method of compliance, exception, unreasonable hardship or equivalent facilitation the details of the SFDBI finding that full compliance with San Francisco Building Code requirements is technically infeasible, structurally impracticable and documentation regarding SFDBI approved alternate method of compliance, exception, unreasonable hardship or equivalent facilitation.
- B. For work within the public right-of-way ("ROW"), Public Works will evaluate the information presented and provide a written determination on the Exception Request. Public Works may grant the Exception Request, condition the Exception Request, or deny it. The City Engineer, Public Works Disability Access Coordinator (DAC), or their designee will hear appeals of requests for alternate method of compliance, exception, unreasonable hardship or equivalent facilitation for ROW work.
- C. For purposes of this Public Works Order, "technically infeasible" shall be defined in accordance with the California Building Code, Section 202; "An alteration of a building or facility, that has little likelihood of being accomplished because the existing structural conditions require the removal or

alteration of a load-bearing member that is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.”

- D. For purposes of this Public Works Order, “structural impracticability” shall be in accordance with 28 CFR Part 35.151; Title II of the Americans with Disabilities Act, and 28 CFR Part 36; Title III of the Americans with Disabilities Act of 1990 (ADA) as amended effective March 15, 2011, and the 2010 ADA Standards for Accessible Design, effective March 15, 2012.
- E. For purposes of this Public Works Order, “unreasonable hardship” shall be defined in accordance with the California Building Code, Section 202; Unreasonable Hardship:
  - 1. “Unreasonable Hardship. [DSA-AC] When the enforcing agency finds that compliance with the building standard would make the specific work of the project affected by the building standard infeasible, based on an overall evaluation of the following factors:
    - a. The cost of providing access.
    - b. The cost of all construction contemplated.
    - c. The impact of proposed improvements on financial feasibility of the project.
    - d. The nature of the accessibility which would be gained or lost.
    - e. The nature of the use of the facility under construction and its availability to persons with disabilities.”
  - 2. “The details of any finding of unreasonable hardship shall be recorded and entered in the files of enforcing agency.”
- F. For purposes of this Public Works Order, “equivalent facilitation” shall be defined in accordance with the California Building Code, Section 202; “The use of designs, products or technologies as alternatives to those prescribed, resulting in substantially equivalent or greater accessibility and usability. Note: In determining equivalent facilitation, consideration shall be given to means that provide for the maximum independence of persons with disabilities while presenting the least risk of harm, injury or other hazard to such persons or others.” See also item G.1 below.
- G. For purposes of this Public Works Order, “alternate method of compliance” for accessibility shall be in accordance with the following:
  - 1. 2010 ADA Standards Section 103 Equivalent Facilitation: "Nothing in these requirements prevents the use of designs, products, or technologies as alternatives to those prescribed, provided they result in substantially equivalent or greater accessibility and usability.
    - a. Advisory 103 Equivalent Facilitation. “The responsibility for demonstrating equivalent facilitation in the event of a challenge rests with the covered entity. With the exception of transit facilities, which are covered by regulations issued by the Department of Transportation, there is no process for certifying that an alternative design provides equivalent facilitation.”
  - 2. California Building Code Section 1.2 "Building Standards Commission, 1.2.3 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved

where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety."

- H. The requirements for Existing Buildings and Facilities of California Building Code Section (CBC) 11B-202 and 11B-206 shall apply for alterations projects.
- I. Projects consisting of access barrier removal only shall comply with CBC 11B-202.4, exceptions 3 and 4.
- J. Public Works will consider an ABES Exception Request Package only in conjunction with a specific permit or project, including but not limited to a re-paving or excavation contract, sidewalk improvement project, a minor encroachment permit, a street improvement permit, utility excavation permit, or any other applicable permit.

**VI. GUIDELINES FOR APPROVING REQUEST FOR AN ALTERNATE METHOD OF COMPLIANCE, EXCEPTION, UNREASONABLE HARDSHIP OR EQUIVALENT FACILITATION TO THE ACCESSIBLE BUSINESS ENTRANCE PROGRAM STANDARD**

- A. When considering an Exception Request, the City Engineer, Public Works Disability Access Coordinator (DAC), or their designee may approve an alternate method of compliance, exception, unreasonable hardship or equivalent facilitation to the Accessible Business Entrance Program Standard only if he/she determines that compliance is technically infeasible or structurally impracticable, or poses an unreasonable hardship, provided, however that Public Works shall require the Applicant to provide equivalent facilitation through the use of other methods and materials to the extent that the equivalent facilitation is technically feasible or does not pose an unreasonable hardship. The City Engineer, Public Works Disability Access Coordinator (DAC), or their designee in his/her discretion, also may impose additional conditions on the grant of an exception. Such conditions may include, but shall not be limited to, relocation of City utility facilities at no cost to the City, and other measures protective of public's health, safety, welfare, or convenience.

X

DocuSigned by:

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Director

# ACCESSIBLE BUSINESS ENTRANCE PROGRAM ALTERATION STANDARD FOR SIDEWALKS AT ENTRANCES TO EXISTING FACILITIES

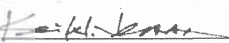
## INDEX OF DRAWINGS

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3	ABE-3	112,444	LAYOUT PARAMETERS - PLAN VIEW
4	ABE-4	112,445	LAYOUT PARAMETERS - CROSS SECTION VIEW

THE ACCESSIBLE BUSINESS ENTRANCE (ABE) PROGRAM HELPS PROPERTY OWNERS COMPLY WITH LOCAL, STATE AND FEDERAL ACCESSIBILITY LAWS AND HELPS PEOPLE WITH DISABILITIES GAIN GREATER ACCESS TO GOODS AND SERVICES OFFERED BY BUSINESSES IN SAN FRANCISCO.

THIS STANDARD IS DEVELOPED AND ADOPTED BY PUBLIC WORKS PURSUANT TO BOARD OF SUPERVISORS ORDINANCE 51-16: MANDATORY DISABILITY ACCESS IMPROVEMENTS TECHNICAL SPECIFICATIONS GUIDELINES. THE ORDINANCE REQUIRES THAT EXISTING BUILDINGS WITH A PLACE OF "PUBLIC ACCOMMODATION" HAVE ALL PRIMARY ENTRANCES ACCESSIBLE FOR PEOPLE WITH DISABILITIES.

THESE CITY STANDARD PLAN SHEETS ARE INTENDED FOR USE AS GUIDELINES FOR ALTERATIONS TO EXISTING FACILITIES, ASSISTING WITH THE DESIGN OF ACCESSIBLE ENTRANCES AND ENTRANCE WAYS TO PRIVATE PROPERTY FROM THE PUBLIC SIDEWALK.

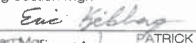


APPROVED:   
PUBLIC WORKS DISABILITY ACCESS COORDINATOR  
EFFECTIVE DATE: JANUARY 1, 2019

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 12/19/18 13:30, BY: agalano				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



**BUREAU OF DESIGN & ENGINEERING**  
CITY & COUNTY OF SAN FRANCISCO  
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Bureau Mgr:  PATRICK RIVERA	Date: 12/20/18
City Engineer:  JOHN THOMAS	Date: 12/20/18

DESIGNED: DATE: PUBLIC WORKS 12/18	DRAWN: DATE: PUBLIC WORKS 12/18
CHECKED: DATE: PUBLIC WORKS 12/18	



SCALE: NOT TO SCALE  
SHEET OF SHEETS: 1 OF 4

**ACCESSIBLE BUSINESS ENTRANCE PROGRAM  
ALTERATION STANDARD FOR SIDEWALKS  
AT ENTRANCES TO EXISTING FACILITIES**

INDEX OF DRAWINGS

CONTRACT NO. NONE
DRAWING NO. ABE-1
FILE NO. 112,442
REV. NO.



**LEGEND**

- SECTION/DETAIL IDENTIFICATION REFERENCE DRAWING NO.
- PROPERTY LINE
- DIRECTION OF DRAINAGE FLOW
- EXISTING(E) SLOPE/ NEW(N) DESIGN SLOPE (X.XX%)
- PROVIDE ALL DIMENSIONS AND ELEVATIONS IN DECIMAL FEET
- EXISTING(E) ELEVATION - NO CHANGE DECIMAL FEET (XX.XX')
- NEW(N) DESIGN ELEVATION DECIMAL FEET (XX.XX')

**ABBREVIATIONS**

- C = CURB
- (E) = EXISTING
- TC = TOP OF CURB
- FL = FLOW LINE
- G = GUTTER
- (N) = NEW
- PL = PROPERTY LINE
- TYP. = TYPICAL
- EL. = ELEVATION

**SUBMITTAL REQUIREMENTS (REFERENCE SHEET DETAIL A ON ABE-3)**

- A. FOR WORK INCLUDING ALTERATION OF SIDEWALK, SUBMIT PERMIT APPLICATION FORM AND PLANS TO OVER THE COUNTER (OTC) INTAKE 1660 MISSION STREET, TO BE ROUTED TO DPW-BSM FOR REVIEW.
- B. ALL ROADWAY, SIDEWALK AND CURB RAMP GRADING PLANS SHALL BE PROVIDED USING STANDARD ENGINEERING SCALES. ALL PROVIDED ELEVATIONS AND DIMENSIONS SHALL BE IN PROVIDED IN DECIMAL FEET, ROUNDED TO THE NEAREST ONE HUNDRETH OF ONE FOOT. (XX.XX FEET)
- C. ALL PROVIDED GRADES AND SPOT ELEVATIONS SHALL BE PROVIDED USING POSITIVE NUMBERS ONLY, WITH HIGHER ELEVATIONS USING NUMBERS LARGER THAN LOWER ELEVATIONS. ZERO ELEVATION POINT CHOSEN FOR EACH SURVEY AREA MUST BE AT OR BELOW THE LOWEST ELEVATION POINT WITHIN THE AREA OF WORK. SURVEY AREAS MUST EXTEND AT LEAST THREE FLAGS (APPROXIMATELY 10 FEET) BEYOND THE PROJECTED PROPERTY LINE AT ADJACENT BUILDINGS OR FACILITIES. SURVEY AREAS MUST EXTEND BEYOND THE FACE OF CURB AT LEAST 6 FEET INTO THE ROADWAY.
- D. SIDEWALK SURFACE CROSS-SLOPES SHALL BE MEASURED PERPENDICULAR TO THE CURB TO THE BACK OF CURB, NOT THE FACE OF CURB. TYPICAL CURB WIDTH IS 6 INCHES. LABEL ACTUAL CURB WIDTH(S).
- E. SLOPE ARROWS SHALL BE PROVIDED BETWEEN EACH ADJACENT PAIR OF SPOT ELEVATIONS FOR RUNNING GRADE AND CROSS-SLOPE DIRECTIONS. SLOPE ARROWS SHALL POINT IN THE DIRECTION OF THE LOWER ELEVATION (DOWNHILL). SURFACE RUNNING GRADE SLOPE AND CROSS-SLOPE SHALL BE LABELED IN PERCENT SLOPE, ROUNDED TO THE NEAREST ONE HUNDRETH OF ONE PERCENT (XX.XX%).
- F. SIDEWALK CROSS-SLOPES SHALL BE MEASURED PERPENDICULAR TO THE CURB TYPICALLY. RUNNING GRADE SLOPES SHALL BE MEASURED PARALLEL TO THE CENTERLINE OF THE STREET TYPICALLY.
- G. INDICATE, LABEL AND DIMENSION TO THE PROPERTY LINE(S) AND DIMENSION TO FACE OF BUILDING, FACE OF CURB, AND OTHER STRUCTURES.
- H. INDICATE, LABEL AND DIMENSION SIDEWALK WIDTH TO FACE OF CURB AND WIDTH OF CURB.
- I. INDICATE, LABEL AND DIMENSION ENTRANCE(S) TO BE MADE ACCESSIBLE OR THAT ARE ACCESSIBLE.
- J. INDICATE, LABEL AND DIMENSION ENTRANCE(S) AND EXITS THAT ARE NOT ACCESSIBLE. AT STAIRS, INDICATE THE SPOT ELEVATIONS WHERE THE STAIR MEETS THE SIDEWALK AT EACH SIDE OF THE STAIR. INDICATE THE HEIGHT OF THE LOWEST STAIR RISER (OR STEP) AT EACH SIDE OF THE STAIR (OR STEP). PROVIDE THE AVERAGE RISER HEIGHT OF THE FLIGHT OF STAIRS CONNECTED TO THE SIDEWALK.
- K. INDICATE, LABEL AND DIMENSION TREE WELLS, LANDSCAPED AREAS, SIDEWALK BENCHES OR OTHER SEATING, BUS SHELTERS, FIRE HYDRANTS, UTILITY POLES, GUY WIRES, UTILITY VAULTS, UTILITY ACCESS COVERS, SUB-SIDEWALK ACCESS HATCHES, BIKE RACKS, ARTWORK, UTILITY CABINETS, BOLLARDS, TRAFFIC SIGNS, CURB RAMPS, RAILINGS, ETC.
- L. INDICATE, LABEL AND DIMENSION PROTRUSIONS INTO AREAS ACCESSIBLE TO THE PUBLIC FROM BUILDINGS OR STRUCTURES INCLUDING BUT NOT LIMITED TO FIRE DEPARTMENT CONNECTIONS, SIGNS, AWNINGS, CANOPIES, OPERABLE WINDOWS, DOOR AND GATE SWINGS, ETC.
- M. INDICATE, LABEL AND DIMENSION THE VERTICAL CLEARANCES ABOVE EXISTING AND NEW SIDEWALK SURFACES TO OVERHANGING OR PROTRUDING OBJECTS, INCLUDING BUT NOT LIMITED TO FIRE DEPARTMENT CONNECTIONS, SIGNS, AWNINGS, CANOPIES, OPERABLE WINDOWS, DOOR AND GATE SWINGS, TREE LIMBS, LEANING TREE TRUNKS ETC.
- N. INDICATE, LABEL AND DIMENSION EXISTING OR PROPOSED PERMITTED SIDEWALK MERCHANDISE DISPLAY AREAS AND PERMITTED SIDEWALK TABLES AND CHAIRS AREAS.
- O. INDICATE, LABEL AND DIMENSION EXISTING OR PROPOSED MAJOR OR MINOR SIDEWALK ENCROACHMENTS.
- P. INDICATE, LABEL AND DIMENSION EXTENT OF EXISTING OR PROPOSED SUB-SIDEWALK BASEMENT OR VAULTS.
- Q. INDICATE, LABEL AND DIMENSION EXTENT OF EXISTING OR PROPOSED PARKING METERS, BUS STOPS, PASSENGER LOADING ZONES (WHITE CURB), ACCESSIBLE PARKING SPACES (BLUE CURB), COMMERCIAL LOADING ZONES (YELLOW CURB) AND RED CURB AREAS.
- R. IDENTIFY ALL EXISTING SPOT ELEVATIONS WITH "(E)" AND ALL NEW SPOT ELEVATIONS WITH "(N)".

**GENERAL NOTES**

- G1. THIS STANDARD IS DEVELOPED AND ADOPTED BY PUBLIC WORKS PURSUANT TO BOARD OF SUPERVISORS ORDINANCE 51-16: MANDATORY DISABILITY ACCESS IMPROVEMENTS TECHNICAL SPECIFICATIONS GUIDELINES.
- G2. IN ACCORDANCE WITH CALIFORNIA BUILDING CODE AND ADA REQUIREMENTS FOR NEW CONSTRUCTION AND ALTERATIONS, AND PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) R202.3 STATES FOR ALTERATIONS "WHERE EXISTING ELEMENTS, SPACES, OR FACILITIES ARE ALTERED, EACH ALTERED ELEMENT, SPACE, OR FACILITY WITHIN THE SCOPE OF THE PROJECT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR NEW CONSTRUCTION." NOTE THAT FOR ALTERATIONS, IT MAY NOT BE TECHNICALLY FEASIBLE TO MEET ALL OF THE ACCESSIBILITY REQUIREMENTS. FOLLOW NEW CONSTRUCTION PROVISIONS TO THE EXTENT TECHNICALLY FEASIBLE. PROJECTS INVOLVING EXISTING STREETS AND SIDEWALKS MAY BE FURTHER CONSTRAINED BY LIMITED SPACE AND RIGHT-OF-WAY AVAILABILITY, UNDERLYING TERRAIN, UNDERGROUND STRUCTURES, DRAINAGE, AND OTHER FACTORS. THE GUIDELINES ALLOW DEPARTURES FROM NEW CONSTRUCTION CRITERIA IN ALTERATIONS WHERE EXISTING PHYSICAL CONSTRAINTS MAKE COMPLIANCE IMPRACTICABLE.
- G3. ALL WORK SHALL CONFORM TO SF PUBLIC WORKS STANDARD PLANS AND SPECIFICATIONS, LATEST VERSIONS.
- G4. A SITE SURVEY IS MANDATORY AND SHALL BE USED FOR HORIZONTAL AND VERTICAL CONTROL ON SITE GRADING PLANS. THE SITE SURVEY MAY BE RELATIVE OR TO CITY DATUM.
- G4. IN ACCORDANCE WITH PUBLIC WORKS ORDER NO. 187,005- REGULATIONS FOR EXCAVATING AND RESTORING STREETS IN SAN FRANCISCO, THE CONTRACTOR SHALL REFERENCE AND PRESERVE ANY EXISTING MONUMENTS WITHIN 20' OF THE LIMITS OF WORK. A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR PURSUANT TO THE CALIFORNIA BUSINESS AND PROFESSIONS CODE, SECTION 8771. PRIOR TO ANY WORK COMMENCING IF ANY MONUMENT IS DESTROYED, DAMAGED, COVERED, OR OTHERWISE OBLITERATED, THE CONTRACTOR SHALL RESET SAID MONUMENT AS REQUIRED AND MANDATED IN PUBLIC WORKS DOCUMENT "MONUMENT PRESERVATION." A COPY OF THIS DOCUMENT MAY BE OBTAINED FROM THE OFFICE OF THE COUNTY SURVEYOR, 1155 MARKET STREET, 3RD FLOOR, SAN FRANCISCO, CA 94103, TELEPHONE: 415-554-5810.
- G5. EXISTING UTILITY BOXES AND COVERS SHALL BE ADJUSTED TO BE FLUSH WITH SIDEWALK AND SHALL NOT STRADDLE ANY CHANGE IN PLANE. CONTACT UTILITY OWNER FOR INSTRUCTIONS ON PROPER ADJUSTMENT OF AT-GRADE FACILITIES.
- G6. POSITIVE DRAINAGE IS REQUIRED TO DRAIN SURFACE WATER ON SIDEWALKS AWAY FROM PROPERTY LINES AND BUILDINGS TO THE STREET OR OTHER STORMWATER CONVEYANCE OR STORAGE.
- G7. WHERE DRAINAGE IS HANDLED BY A CURB INLET IN LIEU OF A CATCH BASIN, PUBLIC WORKS HYDRAULICS ENGINEERING SHALL BE CONSULTED IF EXISTING CURB INLETS WILL BE AFFECTED BY PROPOSED DESIGN.
- G8. BASE RECONSTRUCTION IS REQUIRED WHEN THE OUTSIDE CONCRETE GUTTER OR ASPHALT ROADWAY ELEVATION IS LOWERED MORE THAN 1/2-INCH OR RAISED MORE THAN 2-INCHES WHERE EXISTING ACWS IS STANDARD 2-INCH THICK.
- G9. CONFORM BETWEEN EXISTING ELEVATIONS AND NEW SIDEWALK IN AFFECTED AREA. CONFORM MAY REQUIRE ADDITIONAL CURB AND SIDEWALK BEYOND END OF PROPOSED PROPERTY LINES. EXISTING SIDEWALK FLAGS IMMEDIATELY ADJACENT TO SIDEWALK AND CURB AREA TO BE REPLACED, EXCEPT OVER SUB-SIDEWALK BASEMENTS, SHALL BE REMOVED TO NEAREST FLAG LINES (CONTROL JOINTS) TO ENSURE THAT SIDEWALK WILL CONFORM SMOOTHLY WITHOUT ABRUPT CHANGES IN SLOPE. EXTENDED GUTTER MAY BE NECESSARY DEPENDING ON SLOPE.
- G10. SF PUBLIC WORKS STANDARD CURB HEIGHT IS 0.50 FEET (6 INCHES). IN ORDER TO ACHIEVE ACCESSIBILITY WITHIN EXISTING SIDEWALKS IT MAY BE ALLOWABLE ON A CASE BY CASE BASIS TO USE A CURB HEIGHT RANGE OF 0.33 TO 0.60 FEET (4 TO 7.2 INCHES) WHERE THERE IS CURBSIDE ACCESS TO VEHICLES. WITHIN CROSSWALK AREAS THE MAXIMUM ALLOWABLE CURB HEIGHT IS 0.58 FEET (7 INCHES). CURB HEIGHT LESS THAN 6 INCHES MAY REQUIRE REVIEW BY SF PUBLIC WORKS HYDRAULICS SECTION MANAGER, ESPECIALLY IN LOW SLOPE AREAS SUBJECT TO FLOODING. CURB HEIGHT OVER 0.60 FEET MAY BE ALLOWABLE WHERE THERE IS NO PARKING (RED CURB OR POSTED "NO PARKING"), AT BUS STOPS AND COMMERCIAL LOADING ZONES (YELLOW CURB).
- G11. IT MAY BE REQUIRED TO ALTER CURB HEIGHT (PER GENERAL NOTE G1) PRIOR TO ALLOWING AN INCREASE OF SIDEWALK CROSS SLOPE (CONSTRUCTED) OVER 2.08% (1:48) IN SOME OR ALL SIDEWALK ZONES. THIS IS ESPECIALLY TRUE AT BUS STOPS, ACCESSIBLE PASSENGER LOADING ZONES (WHITE CURB), AND ACCESSIBLE STREET PARKING SPACES (BLUE CURB).
- G12. THE STREET GUTTER SHALL BE DESIGNED TO DRAIN SURFACE WATER IN THE DIRECTION OF THE STREET GRADE OR TO THE NEAREST STORM WATER CATCH BASIN, DRAIN INLET, OR BIORETENTION BASIN, PER BEST ENGINEERING PRACTICES AND AS DETERMINED BY PUBLIC WORKS HYDRAULICS ENGINEERING.
- G.13 INFORMATION RELATED TO BUREAU OF STREET USE AND MAPPING PERMITS CAN BE LOCATED THROUGH THE FOLLOWING LINK: [HTTP://SFPUBLICWORKS.ORG/SERVICES/PERMITS](http://SFPUBLICWORKS.ORG/SERVICES/PERMITS).
- G14. FRONTAGE ZONE: THE AREA ADJACENT TO THE PROPERTY LINE WHERE TRANSITIONS BETWEEN THE PUBLIC SIDEWALK AND THE SPACE WITHIN BUILDINGS OCCUR.
- G15. PEDESTRIAN THROUGHWAY ZONE: THE PORTION OF THE SIDEWALK FOR PEDESTRIAN TRAVEL ALONG THE STREET.
- G16. FURNISHING ZONE: THE PORTION OF THE SIDEWALK USED FOR STREET TREES, LANDSCAPING, TRANSIT STOPS, STREET LIGHTS, AND SITE FURNISHINGS.
- G.17 EDGE ZONE: THE AREA USED BY PEOPLE GETTING IN AND OUT OF VEHICLES PARKED AT THE CURBSIDE.
- G.18 EXTENSION ZONE: THE AREA WHERE PEDESTRIAN SPACE MAY BE EXTENDED INTO THE PARKING LANE, VIA FEATURES SUCH AS BULB-OUTS WITH MID-BLOCK PLAZAS.

THESE CITY STANDARD PLAN SHEETS ARE INTENDED FOR USE AS GUIDELINES FOR ALTERATIONS TO EXISTING FACILITIES, ASSISTING WITH THE DESIGN OF ACCESSIBLE ENTRANCES AND ENTRANCE WAYS TO PRIVATE PROPERTY FROM THE PUBLIC SIDEWALK. THE GUIDELINES DETAIL METHODS AND TOLERANCES FOR ALTERING THE EXISTING AND NATURAL GRADES OF THE PUBLIC SIDEWALK AND RIGHT OF WAY, WHICH IS REFERRED TO AS SIDEWALK WARPING. AN ENCROACHMENT PERMIT FROM THE SAN FRANCISCO PUBLIC WORKS WILL TYPICALLY BE REQUIRED TO DOCUMENT AND RECORD SIDEWALK WARPING. MODIFICATIONS TO THE PUBLIC RIGHT OF WAY SHALL NOT BE THE PRIMARY MEANS OF PROVIDING ACCESSIBLE ACCESS TO BUILDING AND PROPERTY ENTRANCES.

EACH PROPOSED SIDEWALK IMPROVEMENT PERMIT THAT PROPOSES SIDEWALK WARPING WILL BE REVIEWED FOR CONFORMANCE WITH THIS STANDARD AND OTHER APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING BUT NOT LIMITED TO THE CALIFORNIA BUILDING CODE AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

APPROVED: PUBLIC WORKS DISABILITY ACCESS COORDINATOR  
EFFECTIVE DATE: JANUARY 1, 2019

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 12/19/18 13:28, BY: agolano				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



**BUREAU OF DESIGN & ENGINEERING**  
CITY & COUNTY OF SAN FRANCISCO  
SAN FRANCISCO PUBLIC WORKS  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102 - 0028

Acting Section Mgr:	ERIC KJELSEBERG	Date: 12/19/18
Bureau Mgr:	PATRICK RIVERA	12/20/18
City Engineer:	JOHN THOMAS	12/20/18

DESIGNED: PUBLIC WORKS	DATE: 12/18
DRAWN: PUBLIC WORKS	DATE: 12/18
CHECKED: PUBLIC WORKS	DATE: 12/18



SCALE: NOT TO SCALE  
SHEET OF SHEETS: 2 OF 4

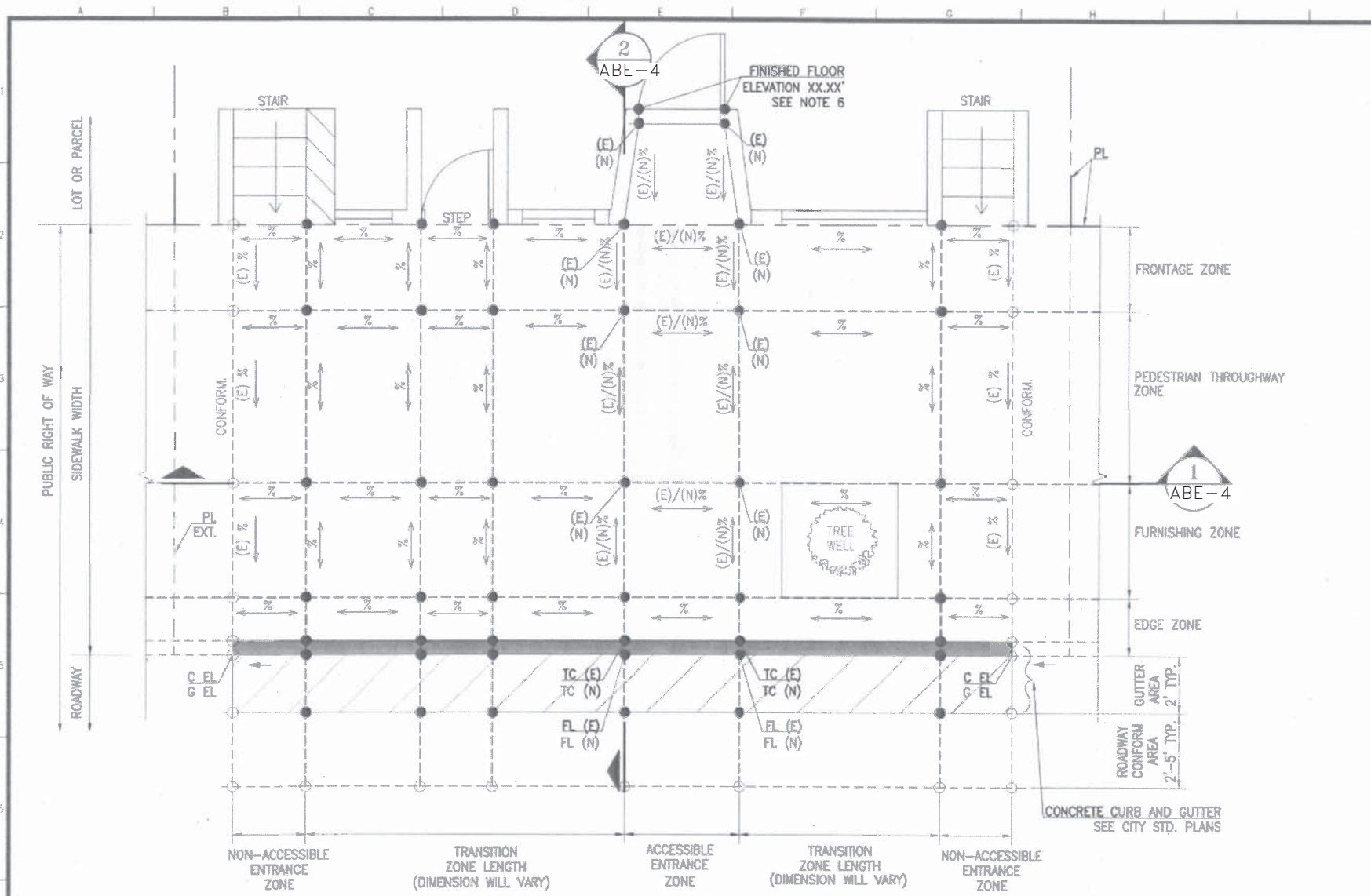
**ACCESSIBLE BUSINESS ENTRANCE PROGRAM ALTERATION STANDARD FOR SIDEWALKS AT ENTRANCES TO EXISTING FACILITIES**

**LEGEND, ABBREVIATIONS, GENERAL NOTES AND SUBMITTAL REQUIREMENTS**

CONTRACT NO. NONE
DRAWING NO. ABE-2
FILE NO. 112,443
REV. NO.

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**SUBMITTAL AND LAYOUT PARAMETERS PLAN VIEW**

TABLE B SLOPE PARALLEL TO CURB				
ACCESSIBLE ENTRANCE & TRANSITION ZONE				
LOCATION	DESIGN PARAMETERS (SEE NOTE 8)	CONSTRUCTION PARAMETERS	MIN. LENGTH	MAX. LENGTH
ACCESSIBLE ENTRANCE ZONE	0% - 1.50%	0% - 2.00%	4'	6' (SEE NOTE 13)
TRANSITION ZONE	REFER TO STREET AND SIDEWALK GRADE TABLE		DETERMINED BY SLOPE	SEE NOTE 14
NON-ACCESSIBLE ENTRANCE ZONE (SEE NOTE 15)	0% - 7.50%	0% - 8.33%	WIDTH OF ENTRANCE	WIDTH OF ENTRANCE

TABLE C STREET AND SIDEWALK GRADE TABLE (SEE NOTE 7)		
TRANSITION ZONE		
STREET GRADE (PARALLEL TO CURB) [SG]	SIDEWALK DESIGN PARAMETERS (SEE NOTE 8) [SD]	SIDEWALK CONSTRUCTION PARAMETERS [SC]
≤ 4.00%	0% - 4.50%	0% - 5.00%
> 4.00%	[SD] = [SG] * (34') / (30')	[SC] = 100 * TANK ARCTAN [SD] / 100 + 0.477'

[SG] = EXISTING SLOPE OF ROADWAY (%)  
 [SD] = DESIGN MAXIMUM SLOPE (%)  
 [SC] = CONSTRUCTION MAXIMUM SLOPE (%)  
 SEE SECTION DIAGRAM RX-4

TABLE A CROSS SLOPE PERPENDICULAR TO CURB				
ACCESSIBLE ENTRANCE & TRANSITION ZONE				
LOCATION	DESIGN PARAMETERS (SEE NOTE 8)	CONSTRUCTION PARAMETERS	MIN. WIDTH	MAX. WIDTH
FRONTAGE ZONE	0% - 7.50% (SEE NOTE 10)	0% - 8.33%	0'	1/2 SIDEWALK (SEE NOTE 10)
PEDESTRIAN THROUGHWAY ZONE	0% - 1.50%	0% - 2.00%	6' (SEE NOTE 11)	NONE
FURNISHING ZONE (SEE NOTE 12)	0% - 6.00%	0% - 6.50%	0'	TREE WELL/ LANDSCAPING 4-5' TYP.
EDGE ZONE (SEE NOTE 12)	0% - 6.00%	0% - 6.50%	6"	2'

**SHEET NOTES**

- SEE ALL GENERAL NOTES AND SUBMITTAL REQUIREMENTS ON SHEET ABE-2.
- FOR ENTRANCES NEAR CURB RAMPS OR CROSSWALK ALIGNMENT AREAS, IF WORK IN A CURB RETURN OR OTHER AREA REQUIRING CURB RAMPS AT CROSSWALKS IS INVOLVED IN THE WORK, CURB RAMPS MAY BE REQUIRED. SEE PUBLIC WORKS ORDER NOS. 184,350 AND 185,854.
- LEVEL LANDINGS ARE REQUIRED AT THE UPPER AND LOWER ENDS OF CURB RAMPS FOR ACCESSIBLE ENTRANCES (CONSTRUCTED SLOPE LESS THAN OR EQUAL TO 2.08% (1:48) SLOPE IN ALL DIRECTIONS).
- THE SLOPE BETWEEN TWO SPOT ELEVATION POINTS WITHIN INDIVIDUAL SIDEWALK ZONES MAY BE PROVIDED WITH A POSITIVE OR NEGATIVE SLOPE WITH RESPECT TO THE PROPERTY LINE AND THE ROADWAY. THE OVERALL DRAINAGE PATTERN MUST AVOID PONDING AND DIRECT SURFACE WATER FLOW AWAY FROM THE PROPERTY LINE TO THE ROADWAY OR OTHER STORM WATER CONVEYANCE OR STORAGE.
- CONSTRUCTED SLOPES GREATER THAN 2.08% ARE ALLOWABLE WITH DOCUMENTATION FROM SFDBI THAT LOWERING THE ENTRANCE THRESHOLD/LANDING ARE IS NOT TECHNICALLY FEASIBLE OR POSES AN UNREASONABLE HARDSHIP. SFDBI APPROVAL OF DA-04 AND/OR DA-05 IS REQUIRED.
- ENTRANCE AREA WITHIN PROPERTY LINE MAY SLOPE IN ACCORDANCE WITH SFDBI DA-04 OR DA-05 WITH POWER DOOR OPERATOR.
- STREET AND SIDEWALK GRADE TABLE IS PROVIDED IN ORDER TO PRESERVE EXISTING STREET TOPOGRAPHY AND MINIMIZE MAJOR DEVIATIONS BETWEEN STREET AND SIDEWALK SLOPES.
- SIDEWALK DESIGN PARAMETERS ARE SUGGESTED DESIGN LIMITS INCORPORATING INDUSTRY STANDARD CONSTRUCTION TOLERANCES ESTABLISHED FOR CONCRETE SIDEWALKS IN ACI 117 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS." DESIGNERS ARE ENCOURAGED TO USE INDUSTRY STANDARD CONSTRUCTION TOLERANCES APPROPRIATE FOR EACH PROPOSED MATERIAL OR ASSEMBLY IN ORDER THAT THE CONSTRUCTED RESULTS DO NOT EXCEED THE LIMITS SET BY THE LISTED CONSTRUCTION PARAMETERS IN THIS TABLE.
- FOR STREET SLOPES GREATER THAN 30%, THE SIDEWALK MAY BE REQUIRED TO BE STEPPED AND FOLLOW STAIRWAY REQUIREMENTS.
- FRONTAGE ZONE: THE ALLOWABLE WIDTH OF FRONTAGE ZONE ENCROACHMENTS, INCLUDING SURFACE SLOPES IN EXCESS OF 2.08% (1:48) REQUIRE PUBLIC WORKS BUREAU OF STREET USE AND MAPPING APPROVAL ON A CASE BY CASE BASIS. PER THE SF BETTER STREETS PLAN, NOT ALL SIDEWALKS HAVE OR CAN HAVE A FRONTAGE ZONE, ESPECIALLY NARROW SIDEWALKS.
- PEDESTRIAN THROUGHWAY ZONE: THE SF BETTER STREETS PLAN REQUIRES A WIDTH OF NOT LESS THAN 6 FEET IN THE PEDESTRIAN THROUGHWAY ZONE TYPICALLY. THIS WIDTH MAY BE REDUCED TO 5 FEET OR AS LITTLE AS 4 FEET ON A CASE BY CASE BASIS. WIDTHS LESS THAN 4 FEET REQUIRE APPROVAL BY THE PUBLIC WORKS ADA/DISABILITY ACCESS COORDINATOR.
- FURNISHING & EDGE ZONE: AT BUS & TRANSIT STOPS, ACCESSIBLE PASSENGER LOADING ZONES (WHITE CURB), ACCESSIBLE PARKING SPACES (BLUE CURB), THE MAXIMUM DESIGN AND CONSTRUCTED CROSS-SLOPE RANGES SHALL BE AS REQUIRED FOR ACCESSIBLE PEDESTRIAN THROUGHWAY ZONES TYPICALLY.
- ACCESSIBLE ENTRANCE ZONE: LENGTH OF ACCESSIBLE ENTRANCE ZONE MAY BE GREATER THAN 4 FEET AT WIDER DOORWAYS, IF THE RESULTING SLOPES AT ADJOINING FURNISHING AND EDGE ZONE AND TRANSITION ZONES MEET PRESCRIBED PARAMETERS.
- TRANSITION ZONE: THE MAXIMUM LENGTH OF THE TRANSITION ZONE SLOPE MAY BE LIMITED BY THE SLOPE OF THE SURFACE ITSELF OR BY NEARBY FIXED ELEMENTS SUCH AS ADJACENT ENTRANCES, GARAGE DOOR OPENINGS, OR OTHER EXISTING ITEMS ON A CASE BY CASE BASIS. THE PURPOSE OF THIS STANDARD IS TO PROVIDE A SURFACE THAT DOES NOT SLOPE MORE THAN THE ADJOINING ROADWAY ANYMORE THAN IS TECHNICALLY FEASIBLE AND PRUDENT FOR PEDESTRIAN USE.
- NON-ACCESSIBLE ENTRANCE ZONE: THE MAXIMUM CONSTRUCTED SLOPE OF NON-ACCESSIBLE ENTRANCE ZONES MAY BE 8.33% WHERE THE SLOPE OF THE ADJOINING ROADWAY IS 9.00% OR GREATER. IF THE CONSTRUCTED SLOPE AT EXISTING NON-ACCESSIBLE ENTRANCES IS GREATER THAN 8.33%, IT MAY REMAIN UNCHANGED FOR THE PURPOSES OF THIS STANDARD. WHERE LIMITING THE SLOPE TO 8.33% IS NOT TECHNICALLY FEASIBLE DUE TO EXISTING CONDITIONS, HIGHER SLOPES MAY BE ALLOWED ON A CASE BY CASE BASIS.

**LEGEND**

- % EXISTING(E) SLOPE/NEW(N) DESIGN SLOPE (X.XX%)
- DIRECTION OF DRAINAGE FLOW
- XX.XX' PROVIDE ALL DIMENSIONS AND ELEVATIONS IN DECIMAL FEET
- (E) EXISTING(E) ELEVATION - NO CHANGE
- (N) NEW(N) DESIGN ELEVATION
- (E) DECIMAL FEET (XX.XX')
- (N) DECIMAL FEET (XX.XX')
- PROPERTY LINE



WHERE B EL = C EL, B IS NOT TYPICALLY INDICATED ON PLANS. LABEL B AS TC XX.XX' AND LABEL G AS FL XX.XX'

FL = FLOW LINE  
 PL = PROPERTY LINE  
 G = GUTTER  
 EL = ELEVATION

APPROVED: *[Signature]*  
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 EFFECTIVE DATE: JANUARY 1, 2017

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 12/19/18 13:27, BY: ogolano				

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 CITY & COUNTY OF SAN FRANCISCO  
 SAN FRANCISCO PUBLIC WORKS  
 30 VAN NESS AVENUE, 5TH FLOOR  
 SAN FRANCISCO, CA 94102 - 8028

Acting Section Mgr: ERIC KJELSBERG  
*[Signature]*  
 Bureau Mgr: PATRICK RIVERA  
*[Signature]*  
 City Engineer: JOHN THOMAS  
*[Signature]*

DESIGNED: DATE: 12/18  
 PUBLIC WORKS  
 DRAWN: DATE: 12/18  
 PUBLIC WORKS  
 CHECKED: DATE: 12/18  
 PUBLIC WORKS



SCALE: NOT TO SCALE  
 SHEET OF SHEETS: 3 OF 4

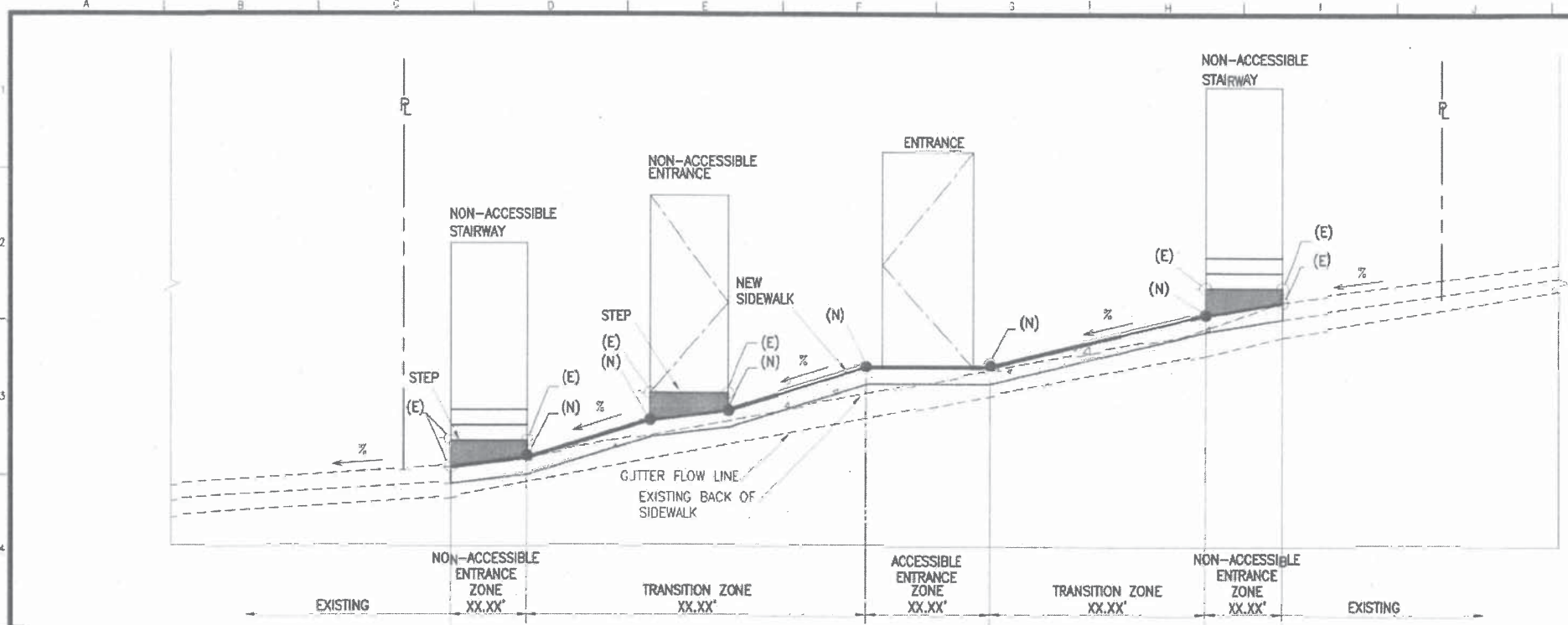
**ACCESSIBLE BUSINESS ENTRANCE PROGRAM ALTERATION STANDARD FOR SIDEWALKS AT ENTRANCES TO EXISTING FACILITIES**

LAYOUT PARAMETERS PLAN VIEW

CONTRACT NO. NONE  
 DRAWING NO. ABE-3  
 FILE NO. 112,444  
 REV. NO.

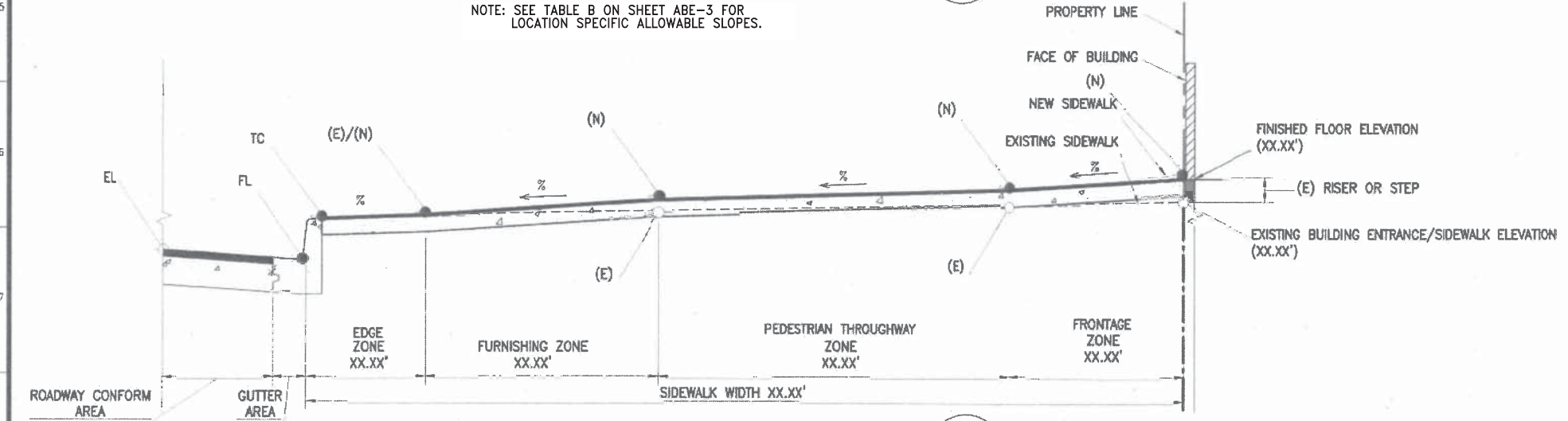
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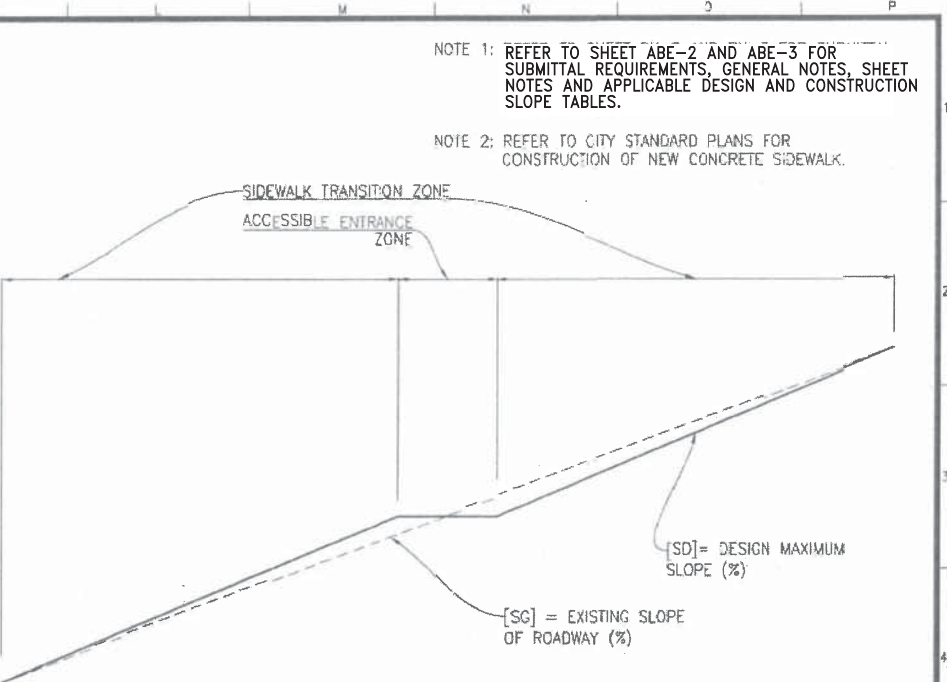
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**FRONT ELEVATION ABE-3**

NOTE: SEE TABLE B ON SHEET ABE-3 FOR LOCATION SPECIFIC ALLOWABLE SLOPES.



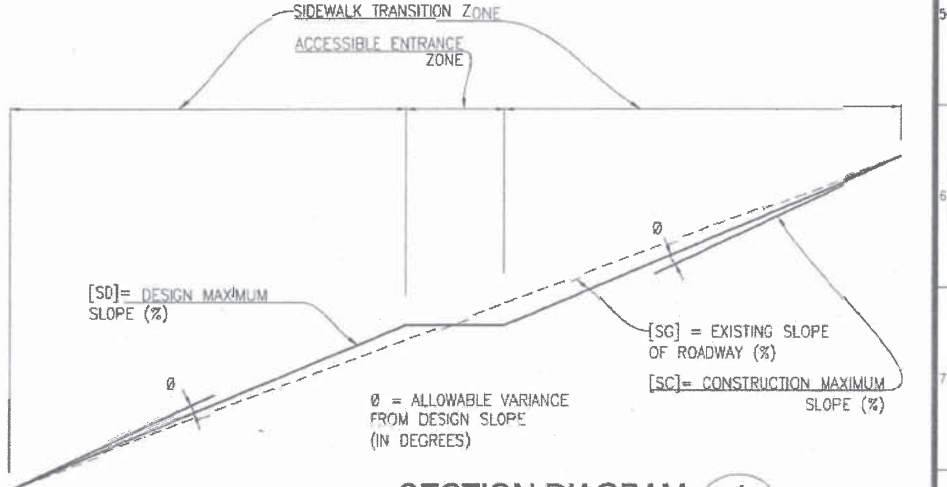
**SUBMITTAL AND LAYOUT PARAMETERS 2**  
**SECTION VIEW ABE-3**

NOTE: SEE TABLE A ON SHEET ABE-3 FOR LOCATION SPECIFIC ALLOWABLE SLOPES.



**SECTION DIAGRAM 3**  
**DESIGN SLOPE LIMITS**

NOTE: SEE TABLE C ON SHEET ABE-3 FOR SIDEWALK DESIGN AND CONSTRUCTION SLOPES.



**SECTION DIAGRAM 4**  
**CONSTRUCTION SLOPE LIMITS**

NOTE: SEE TABLE C ON SHEET ABE-3 FOR SIDEWALK DESIGN AND CONSTRUCTION SLOPES.

**LEGEND**

- ← % → EXISTING(E) SLOPE/NEW(N) DESIGN SLOPE (X.XX%)
- DIRECTION OF DRAINAGE FLOW
- XX.XX' PROVIDE ALL DIMENSIONS AND ELEVATIONS IN DECIMAL FEET
- (E) EXISTING(E) ELEVATION- NO CHANGE DECIMAL FEET (XX.XX')
- (N) NEW(N) DESIGN ELEVATION DECIMAL FEET (XX.XX')
- PROPERTY LINE



WHERE B EL = C EL, B IS NOT TYPICALLY INDICATED ON PLANS. LABEL B AS TC XX.XX' AND LABEL G AS FL XX.XX'

FL = FLOW LINE  
 PL = PROPERTY LINE  
 G = GUTTER  
 EL = ELEVATION

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 PUBLIC WORKS DISABILITY ACCESS COORDINATOR  
 EFFECTIVE DATE: January 1, 2019

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 SAN FRANCISCO PUBLIC WORKS  
 30 VANNESS AVENUE, 5TH FLOOR  
 SAN FRANCISCO, CA 94102 - 8028

Date	DESIGNED:	DATE:
12/19/18	ERIC KOELSBERG	12/18
12/20/18	PATRICK RIVERA	12/18
1/20/19	JOHN THOMAS	12/18



SCALE: NOT TO SCALE  
 SHEET OF SHEETS: 4 OF 4

**ACCESSIBLE BUSINESS ENTRANCE PROGRAM**  
**ALTERATION STANDARD FOR SIDEWALKS**  
**AT ENTRANCES TO EXISTING FACILITIES**

**LAYOUT PARAMETERS**  
**CROSS SECTION VIEW**

CONTRACT NO.	NONE
DRAWING NO.	ABE-4
FILE NO.	112,445
REV. NO.	

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## Certificate Of Completion

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 Subject: Accessible Business Entrance Program Standard  
 Source Envelope:  
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Status: Completed

Envelope Originator:  
 DPW DocuSign  
 30 Van Ness Ave. Suite 4400  
 San Francisco, CA 94102  
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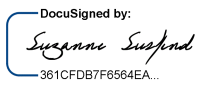
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Location: DocuSign

## Signer Events

Suzanne Suskind  
 susanne.suskind@sfdpw.org  
 City and County of San Francisco  
 Security Level: Email, Account Authentication  
 (None)

## Signature


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Mohammed Nuru  
 Mohammed.Nuru@sfdpw.org  
 Director  
 Public Works  
 Security Level: Email, Account Authentication  
 (None)

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## In Person Signer Events

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## Status

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## Timestamp

## Certified Delivery Events

## Status

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## Carbon Copy Events

## Status

## Timestamp

Calleros, Deanna  
 Deanna.Calleros@sfdpw.org  
 Public Works  
 Security Level: Email, Account Authentication  
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 Viewed: 12/24/2018 10:55:53 AM

**Electronic Record and Signature Disclosure:**  
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Carbon Copy Events	Status	Timestamp
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Sanguinetti, Jerry Jerry.Sanguinetti@sfdpw.org IDC Back Up #2 Public Works Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	COPIED	Sent: 12/24/2018 3:25:37 PM
Rivera, Patrick Patrick.Rivera@sfdpw.org IDC Back Up #1 Public Works Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	COPIED	Sent: 12/24/2018 3:25:38 PM

Notary Events	Signature	Timestamp
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Signing Complete	Security Checked	12/24/2018 3:25:38 PM
Completed	Security Checked	12/24/2018 3:25:38 PM

Payment Events	Status	Timestamps
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Electronic Record and Signature Disclosure
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**Required hardware and software**

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account
Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	<ul style="list-style-type: none"> <li>•Allow per session cookies</li> <li>•Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection</li> </ul>

\*\* These minimum requirements are subject to change. If these requirements change, we will provide you with an email message at the email address we have on file for you at that time providing you with the revised hardware and software requirements, at which time you will have the right to withdraw your consent.

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