

**REQUEST FOR QUALIFICATIONS**

**CONSTRUCTION**

**for**

**5<sup>th</sup> Avenue South Subgrade Repair and  
Sidewalk Replacement**

**2024 June 18**

**Seattle Chinatown International District  
Preservation and Development Authority**

Hing Hay Coworks  
409B Maynard Avenue South  
Seattle, WA 98104

**Seattle Chinatown International District Preservation and Development  
Authority (SCIDpda)**

**Request for Qualifications (RFQ)  
for**

**Construction Contract  
for**

**5<sup>th</sup> Avenue South Subgrade Repair and Sidewalk Replacement**

**1. Introduction to RFQ**

Submittals will be received at the Seattle Chinatown International District Preservation and Development Authority ("SCIDpda"), 409B Maynard Avenue South, Seattle, Washington 98104, until 2:00 PM local time on July 16, 2024 for:

**Providing construction services for a subgrade repair and sidewalk replacement project between 5<sup>th</sup> Avenue South and The Publix Hotel, a building located at 504 5<sup>th</sup> Avenue South, Seattle WA on parcel 5247801655. The project will consist of removing the existing sidewalk, placing CDF subgrade to fill the void, and installing a Standard Plan 420 sidewalk.**

SCIDpda, with technical support from SDOT, along with project partner The Publix Apartments, jointly referred to as "**Project Team**" is requesting statements of qualifications from construction firms with prior experience in providing construction services for subgrade repair and sidewalk installation in the City of Seattle.

The response to this solicitation should therefore describe the specific type of experience, identify the composition of the construction team, and include resumes of all key personnel who will be assigned to the project. The response must also describe the scope of services to be provided, team organization, and management plan.

The submission should be limited to responding to the above and as further described later in this solicitation. The Project Team's intent is to issue this RFQ, review all submitted information, short list for interview, and then make a final selection.

Firms may be asked to submit supplemental information during the review of submittals or at the interview. The proposed schedule for design team selection is as follows:

1. June 18, 2024      Public Issuance of RFQ
2. June 25, 2024      Site walkthrough for all firms at 9:00 AM PST
3. July 16, 2024      Submittals due to SCIDpda by 2:00 PM PST (1 electronic, 3 hard copies)
4. July 19, 2024      Notice of Short-Listed Firms
5. July 22-26, 2024   Interviews
6. July 29, 2024      Select Firm and Negotiate contract

The remaining sections of this solicitation are organized as follows:

- Part 2 presents an overview of the project.
- Part 3 describes the required tasks of this effort.
- Part 4 describes the criteria for selecting the consultant who will perform these services.
- Part 5 delineates other conditions and requirements of this solicitation.
- Part 6 specifies the instructions for submittals.

**Please read the entire RFQ carefully prior to preparing the submittal.**

## **2. Overview of the 5<sup>th</sup> Avenue South Subgrade Repair and Sidewalk Replacement Project**

### General Description

In 2011, a public works project replaced the wooden pole, supporting trolley wires, in front of the Publix Apartments. When the public entity was done with their work, they could not perform a standard sidewalk restoration due to the condition of the subgrade below the walk. The historic condition of the concrete walk was spanning between a corbel on the face of building and the back of the curb. There is a void (of varying sizes) under the walk, along most of this frontage. This void extends into unfinished basement areas of the Publix building. Until that void is filled, the walk needs to span it. The walk is or was a structural element. The public entity placed the asphalt patch at their excavation in the walk, which is still there. The current project will fill this space and provide a suitable base for a conventional sidewalk.

Since their work in 2011, there have been several attempts by the Publix Apartments owner to have the sidewalk restored and the street repaired. The concrete walk was removed, and temporarily restored with asphalt by the public entity. The current condition of this walk is not due to anything that the building owner initiated, nor is it directly related to the building.

This most recent effort to repair the walk has been through the Seattle Department of Transportation (SDOT). SDOT was able to locate funds to cover the costs of removing the existing walk, placing CDF subgrade to fill the void, and installing a standard 420 walk. SCIDpda received a grant from SDOT in order to pay for this work. Once this is done, in the future, if any work needs to occur at or under the sidewalk, standard restoration measure may be used by the agency involved.

In a separate issue, there has been pavement settling in 5th Ave South (between the curbs) in the general area of this pole. Based on images from Google maps going back to 2008, this issue predates the public entity's work on this pole, and their temporary sidewalk repair.

When the sidewalk is opened up, and conditions between the curb and the building can be observed, SDOT should be given the opportunity to view the current conditions to see if there is anything at the east side of the street wall, which provides indications of what may be going on under the street, west of the wall.

**Any repair of the street is beyond the scope of this RFQ.** Note that based on record drawings in the City's Engineering archive, there is a wall under the curb, down about 20-ft below the

surface. The condition we have is similar to an areaway, but the building side of the curb was never finished as an areaway.

#### Design Documents

The following design documents are enclosed for reference. Signed, approved, documents will be provided before the beginning of work.

- SDOT permit # SUSIP0000719 (includes design and topographic survey)
- Geotechnical letter defining proposed CDF design.

#### Anticipated Project Schedule

Permit Submittal	2023-Ongoing
Building Permit Issuance	August 2024 (estimated)
Construction Start	October 2024

### **3. Required Work Tasks**

#### Pre-Construction

- Contractor will be required to make submittals and request inspections through the City's permit portal.
  - Obtain an account
  - Make the following submittals for approval before the permit is issued:
    - Pre-construction Materials (RAMS)
    - Certificate of Insurance
    - Phase Schedule Manager
    - Right of Way Impact Plan
    - Other documents and materials as requested by SDOT
  - Respond to comments and resubmit until each item is approved.

#### Construction

All work in the city right-of-way shall meet current city standards and specifications:

- 2023 Construction Standard Specifications
- 2023 Standard Plans for Municipal Construction

The General Contractor shall provide full general contracting services for construction of the Project including work by subcontractors and any design-build contractors.

The General Contractor is expected to work collaboratively and proactively with the Project Team and the Design Team (Coughlan Porter Lundeen) in a manner which supports the project's efforts, goals, and objectives and to maintain budget and schedule. This includes working closely with a ground-floor commercial tenant that will be impacted by construction to schedule work.



## 4. Criteria for Selection

In order to qualify for consideration for an interview, the respondent **must meet** the following requirements. Failure to meet all the requirements is just cause for rejection of the response by the Project Team.

**The Respondent shall specifically address, in order, each of the following requirements in the response to this RFQ:**

**Criterion #1:** The respondent must have provided construction for a similar project(s) within the past five (5) years. The submittal must identify the specific project(s) which qualify under this criterion.

**Criterion #2:** The respondent identifies and has on staff a Project Lead, a Project Manager, Project Superintendent and Lead estimator who have experience in similar affordable housing projects. The submittal must include resumes for all key team members and identify their availability during the project schedule as described.

**Criterion #3:** The respondent demonstrates the ability of the team to absorb the anticipated workload during the anticipated time period for this design and construction effort and to provide sufficient qualified staff commensurate with the proposed schedule at all times.

**Criterion #4:** The respondent provides an example of the firm's experience with public right-of-way requirements and WMBE participation on the project. It is imperative that the respondent demonstrate a strong commitment to and history of supporting WMBE and working with communities/organizations of color.

**Criterion #5:** The respondent provides a proposed scope of services which describes all work tasks and explains how the team will complete each task or work element.

**Criterion #6:** The respondent provides at least 3 references for similar projects.

**Criterion #7:** The respondent provide the following General Contractor documents:

- Current Washington State General Contractors License
- Proof of General Liability Insurance
- Current bonding capacity
- Disclosure of any claims, lawsuits or formal disputes over work or services in the past five (5) years exceeding \$50,000

**Criterion #8:** The respondent proposes a fixed fee for construction services as described above.

## 5. Other Conditions & Requirements

- A. All submittals for this RFQ received by the Project Team shall remain valid for ninety (90) days from the date of submittal.
- B. The Project Team reserves the right to reject any or all submittals if none of the submissions are responsive to its needs.
- C. The Project Team is not liable for any cost incurred by the submitter prior to execution of the contract.
- D. Compensation for services by the selected contractor for this construction services will be negotiated with said contractor.
- E. The contract between the successful submitter and the Project Team shall include all documents mutually entered into, specifically including the contract instrument and the response to the RFQ. The contract must include, and be consistent with, the specifications and provisions stated in the RFQ.
- F. The Project Team prioritizes minority- and women-owned firms and community-based organizations to submit proposals. Women-owned firms shall be at least 51 percent owned and controlled by women, and minority-owned firms at least 51 percent owned and controlled by minority persons. Minority person shall mean any ethnic minority person who is a resident of the United States or its territories, including Asians/Pacific Islanders, persons of African descent, Hispanics, and Native Americans/Alaskan Natives. Minority- and women-owned firms shall be certified with the Washington State Office of Minority and Women's Business Enterprises.
- G. SCIDpda and project funders will require Washington State Prevailing residential wages are paid on the project.

## 6. Required Submittal Instructions

- 1. On the cover sheet of the response, the respondent shall list the following information of the prime consultant: firm name, address, phone number, email address, and name of contact person. The title of the submittal shall be: **Statement of Qualifications for the 5th Avenue South Subgrade Repair and Sidewalk Replacement**
- 2. One (1) electronic and three (3) hard copies of the information to be submitted shall be prepared in accordance with, and in the order of, the format guidelines below. Failure to comply is just cause for rejection of the response by the Project Team.
- 3. The order of information presentations must be as follows:
- 4. Section 1: Response to RFQ Criteria. Specific responses to each of the eight criteria described in Part 4 of this solicitation. Submitters may include suggestions for additional tasks, innovative ideas, or alternative procedures for completing this project.

5. Section 2: Supplemental Relevant Project Descriptions. As a supplement, expand on the previously identified projects in the Criteria for Selection section. Please include a list of references for similar other projects performed by the design team.
6. **Hard copy submittals are due at SCIDpda's Hing Hay Coworks office, 409B Maynard Avenue South, Seattle, Washington 98104, by no later than 2:00 PM local time on July 16, 2024.**
7. Any **questions about this solicitation** must be submitted in writing on the attached form to SCIDpda via email, addressed to An Huynh, Director of Community Development, at AnH@scidpda.org. **Deadline for receipt of questions is 2:00 PM, local time on June 25, 2024.**
8. The Project Team's **response to the questions** posed above will be emailed to all requesters of the RFQ by **5 PM local time on June 27, 2024.**
9. The Project Team may cancel this RFQ at any time for any reason.
10. Submittals are limited to **ten (10) double-sided** pages for a total of twenty (20) pages.

# SHEET FOR RFQ CLARIFICATION QUESTIONS

Request for Qualifications (RFQ)

Construction Contract

**5<sup>th</sup> Avenue South Subgrade Repair and  
Sidewalk Replacement**

Date: _____	No. of Pages (including cover) _____
TO: An Huynh Director of Cmnty Dev. SCIDpda <b>Direct Line: 206-838-8715</b> <b>Email: <a href="mailto:AnH@scidpda.org">AnH@scidpda.org</a></b>	From: _____ _____ _____ _____ _____

Please print or type your questions here and email

General Notes

EFFECTIVE DATE 5/13/21

- ALL WORK SHALL CONFORM TO THE 2023 EDITION OF CITY OF SEATTLE STANDARD SPECIFICATIONS, THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD PLANS; AND SEATTLE DEPARTMENT OF TRANSPORTATION DIRECTOR'S RULE 01-2017 RIGHT-OF-WAY OPENING AND RESTORATION RULES. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- ERRORS AND OMISSIONS ON THE PERMITTED PLANS MUST BE CORRECTED BY THE ENGINEER AND APPROVED BY THE CITY OF SEATTLE.
- ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO THE START OF CONSTRUCTION WITHIN THE RIGHT OF WAY, THE PERMITTEE SHALL SCHEDULE AND ATTEND A PRECONSTRUCTION MEETING WITH THE CITY OF SEATTLE DEPARTMENT OF TRANSPORTATION.
- PERMITTEE SHALL CONTACT SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR A MINIMUM OF 2 BUSINESS DAYS PRIOR TO NEEDING AN INSPECTION.
- ALL DAMAGE TO CITY INFRASTRUCTURE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPORTED AND REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION. TO REPORT DAMAGE TO SPU INFRASTRUCTURE, INCLUDING ANY SEWAGE RELEASE OR BLOCKAGE, CALL 206-386-1800.
- THE APPROVED PLANS SHALL SHOW THE APPROXIMATE AREA OF PAVEMENT RESTORATION BASED ON THE DEPTH OF UTILITY CUTS AND/OR THE AREA OF CURB AND/OR PAVEMENT TO BE REMOVED AND REPLACED. THE ACTUAL LIMITS OF THE PAVEMENT RESTORATION SHALL BE PER THE DIRECTOR'S RULE 01-2017, RIGHT- OF-WAY OPENING AND RESTORATION RULE AND WILL BE DETERMINED IN THE FIELD BY THE SEATTLE DEPARTMENT OF TRANSPORTATION STREET USE INSPECTOR PRIOR TO THE PAVEMENT RESTORATION. FOR SPU WATER SERVICES, APPLICANT MUST SHOW THE PAVEMENT RESTORATION LIMITS FOR THE PROPOSED AND THE EXISTING WATER SERVICES TO BE RETIRED, INCLUDING SERVICES THAT ARE OUTSIDE THE PROJECT AREA, BUT SERVE THE PARCEL.
- DATUM: NAVD88 AND NAD 83 (2011) 2010.00 EPOCH.
- SURVEYING AND STAKING OF ALL IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY SHALL BE COMPLETED PRIOR TO CONSTRUCTION. PERMITTEE TO STAKE THE CURB AT THE CENTERLINE OF DRAINAGE GRATES PER STANDARD PLAN 260A. SURVEY GRADE SHEETS MUST BE SUBMITTED AND APPROVED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
- IF AN EXISTING CURB IS TO BE REMOVED AND REPLACED IN THE SAME LOCATION THE PERMITTEE SHALL PROVIDE THE STREET USE INSPECTOR A PLAN WITH EXISTING FLOW LINE AND TOP OF CURB ELEVATIONS IDENTIFIED. PERMITTEE TO STAKE THE LOCATION OF THE EXISTING CURB PRIOR TO DEMOLITION.
- THE PERMITTEE MUST BE RESPONSIBLE FOR REFERENCING AND REPLACING ALL SURVEY MONUMENTS THAT MAY BE DISTURBED, DESTROYED OR REMOVED BY THE PROJECT AND 2 WORKING DAYS, PRIOR TO THE WORK, MUST FILE AN APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, PURSUANT TO WAC 332-120. THE PERMITTEE MUST PROVIDE THE ENGINEER AND SPU LAND SURVEY WITH A COPY OF THE APPROVED PERMIT AND COMPLETION REPORT. SEE STANDARD SPECIFICATION 1- 07.28 ITEM 17.

Civil Abbreviations

BOE	BOTTOM OF MASS EXCAVATION	ROW	RIGHT OF WAY
CB	CATCH BASIN	SDCI	SEATTLE DEPARTMENT OF CONSTRUCTION AND INSPECTIONS
CMP	CORRUGATED METAL PIPE	SDCO	STORM DRAIN CLEAN OUT
CO	CLEAN OUT	SDMH	STORM DRAIN MANHOLE
CONC	CONCRETE	SPU	SEATTLE PUBLIC UTILITIES
COS	CITY OF SEATTLE	SS	SANITARY SEWER
FF	FINISH FLOOR	SSCO	SANITARY SEWER CLEAN OUT
MH	MANHOLE	SSMH	SANITARY SEWER MANHOLE
PS/PSS	PIPE SEWER/PIPE SANITARY SEWER	SDS	STANDARDS
PSD	PIPE STORM DRAIN	TOS	TOP OF SLAB
PVC	POLYVINYLCHLORIDE	WM	WATER METER
RCP	REINFORCED CONCRETE PIPE		

Monument Construction Notes

EXISTING MONUMENT CASES WITHIN THE CONSTRUCTION AREA SHALL BE ADJUSTED OR RESET. SURVEY MONUMENTS AND MONUMENT CASES SHALL NOT BE REMOVED, DISTURBED, COVERED, OR DESTROYED BEFORE A PERMIT IS OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. WWW.DNR.WA.GOV/HTDOCS/PLSO/DOWNLOAD.HTM OR 360-902-1194. A COPY OF THE PERMIT SHALL BE GIVEN TO THE SEATTLE PUBLIC UTILITIES SURVEY SECTION, PHONE 206-684-5073, FAX 206-733-9902, AT LEAST 4 WORKING DAYS BEFORE A MONUMENT IS REMOVED, DISTURBED, COVERED, OR DESTROYED. THE CONTRACTOR MAY REQUEST THAT THE SEATTLE PUBLIC UTILITIES SURVEY SECTION PERFORM THE REQUIRED MONUMENT PERMITTING AND SURVEYING. CONTACT THE LAND SURVEY MANAGER AT 206-684-5073 AT LEAST 4 WORKING DAYS PRIOR TO ACTIVITY WHICH WILL AFFECT A MONUMENT.

Right of Way Construction

- CONTRACTOR TO COORDINATE ALL WORK WITHIN THE CITY OF SEATTLE RIGHT OF WAY WITH THE STREET USE INSPECTOR. THE CONTRACTOR SHALL COORDINATE REQUIRED PERMITS WITH SDOT.
- PERMITS FOR WORK WITHIN THE RIGHT OF WAY SHALL BE OVER THE COUNTER PERMITS THE CONTRACTOR SHALL APPLY FOR REQUIRED PERMITS AT THE STREET USE COUNTER IN THE MUNICIPAL BUILDING (700 5TH AVENUE, 23RD FLOOR).
- ALL WORK WITHIN THE CITY RIGHT OF WAY SHALL BE IN ACCORDANCE WITH CITY OF SEATTLE STANDARDS. THE CONTRACTOR SHALL HAVE A COPY OF THE CITY OF SEATTLE STANDARD PLANS ON SITE DURING CONSTRUCTION.

- ALL DISTURBED SOILS MUST BE AMENDED PER STANDARD PLAN 142 AND SECTION 8-02 OF THE STANDARD SPECIFICATIONS UNLESS WITHIN ONE FOOT OF A CURB OR SIDEWALK, THREE FEET OF A UTILITY STRUCTURE (E.G. WATER METER, UTILITY POLE, HAND HOLE, ETC.), OR THE DRIPLINE OF AN EXISTING TREE.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF SEATTLE TRAFFIC CONTROL MANUAL FOR IN-STREET WORK. AN APPROVED TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ALL ARTERIAL STREETS, HIGH IMPACT AREAS AND CONSTRUCTION HUBS PRIOR TO BEGINNING CONSTRUCTION.
- PERMITTEE SHALL NOTIFY KING COUNTY METRO AT 206- 477-1140 FOURTEEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS. CALL 206-477-1150 FOR ANY COORDINATION RELATED TO KING COUNTRY METRO TROLLEY (INCLUDING SLU AND FIRST HILL STREET CAR). CONTACT KING COUNTY METRO TWO MONTHS PRIOR FOR ANY TROLLEY DE-ENERGIZING REQUESTS.
- COORDINATE PARKING/LOADING SIGN(S) AND PAY STATION REMOVAL / RELOCATION AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION CURB SPACE MANAGEMENT AT 206-684-8175 WITH AT LEAST 10 BUSINESS DAYS' NOTICE. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLANS 616, 620, 621A, 621B, 625, & 626.
- ALL STREET NAME SIGNS MUST BE INSTALLED BY SEATTLE DEPARTMENT OF TRANSPORTATION AT THE PERMITTEE'S EXPENSE.
- ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE PUBLIC UTILITIES, AND OTHER UTILITIES TO INSTALL, REPAIR, REMOVE OR RELOCATE UTILITIES SHALL BE DONE AT THE PERMITTEE'S EXPENSE.
- PERMITTEE MUST CONTACT THE SEATTLE DEPARTMENT OF PARKS AND RECREATION TO APPLY FOR A SEPARATE PERMIT IF WORKING WITHIN A DESIGNATED PARK BOULEVARD.
- CARE SHALL BE EXERCISED WHEN EXCAVATING OR REMOVING PAVEMENT NEAR EXISTING CHARGED WATER MAINS. CAST IRON WATER MAINS ARE KNOWN TO BE SENSITIVE TO EXCESSIVE VIBRATION. COORDINATE PROTECTION METHODS WITH SPU.

Vicinity Map



Datum

HORIZONTAL DATUM:  
NAD 83/2011 (EPOCH 2010.00)

HORIZONTAL BENCHMARKS:  
CITY OF SEATTLE  
DESCRIPTION: 1/4" BRASS NAIL WITH PUNCHED "X" IN CONC. MONUMENT, DOWN 1.4' IN CASE  
LOCATION: INTERSECTION OF CENTERLINES OF 5TH AVE SOUTH AND SOUTH KING STREET  
NORTHING: 221841.91  
EASTING: 1271752.20

CITY OF SEATTLE  
DESCRIPTION: 1/4" BRASS PIN WITH PUNCHED "X" IN CONC. MONUMENT, DOWN 1.5' IN CASE  
LOCATION: INTERSECTION OF CENTERLINES OF 5TH AVE SOUTH AND SOUTH WELLER STREET  
NORTHING: 221535.88  
EASTING: 1271745.08

VERTICAL DATUM:  
NAVD 88

VERTICAL BENCHMARKS:  
ID NO.: 3663-24A  
DESCRIPTION: 2" BRASS DISC  
ELEVATION: 51.80 FT.  
LOCATION: SET 1 FOOT NORTH OF THE INTERSECTION OF BACK OF CONCRETE WALK AND 12 FEET WEST AND 11 FEET SOUTH OF CURB FACES AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SOUTH KING STREET AND 6TH AVE SOUTH.

ID NO.: 3663-24B  
DESCRIPTION: 2" BRASS DISC

ELEVATION: 48.14 FT.  
LOCATION: SET AT THE INTERSECTION OF THE BACK OF CONCRETE WALK 19 FT. WEST OF THE CURB FACE AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SOUTH JACKSON STREET AND 5TH AVENUE SOUTH.

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Developer

SCIDPDA  
PO BOX 3302  
SEATTLE, WA 98114  
206-838-8715 CONTACT: AN HUYNH

Owner

THE PUBLIX APARTMENTS  
4601 6TH AVENUE SOUTH  
SEATTLE, WA 98108  
206-752-5900 CONTACT: MIYE MORIGUCHI

Engineer

COUGHLIN PORTER LUNDEEN  
801 SECOND AVENUE, SUITE 900  
SEATTLE, WA 98104  
206-343-0460 CONTACT: KEN WIERSEMA, PE

Surveyor

BUSH, ROED & HITCHINGS, INC  
2009 MINOR AVE EAST  
SEATTLE, WA 98102  
206-232-4144 CONTACT: TAYLOR SCHULTE, PLS

Requirements Prior To Permit Issuance

Task	Responsible Party	Notes
Drawing Approval	Design Team	
Surety Bond	Contractor Or Owner	Bond Amount Determined By Sdot
Pre-construction Material Submittal	Contractor	Pre-construction List Provided By SDOT
Insurance Certificate	Contractor	
Permit Issuance Fee (\$8,262)	Contractor Or Owner	
Approved Traffic Control Plan	Contractor	
Construction Hub Approval	Contractor	
Pre-construction Meeting	Contractor	Contractor To Schedule Based On Sub-contractor Availability
Street Use Fees (Utility Permits Only)	Contractor	

500 5TH AVE S – The Publix

504 5TH AVE S

COVER SHEET

SDOT PROJECT NO.  
SUSIP0000719

VAULT PLAN NO.

VAULT SERIAL NO.

SHEET 1 OF 6

APPROVED FOR SDOT PERMITTING

ENGINEER/LA/SURVEYOR ..... SDOT PROJECT MANAGER .....

SPU/WATER ENGINEERING ..... SDOT SUPERVISOR .....

SPU/DRAINAGE ..... REVISED AS-BUILT .....

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS IN EFFECT ON THE DATE SHOWN ABOVE, AND SUPPLEMENTED BY SPECIAL PROVISIONS.



**COUGHLINPORTERLUNDEEN**  
STRUCTURAL CIVIL SEISMIC ENGINEERING

801 SECOND AVENUE, SUITE 900  
SEATTLE, WA 98104

(206) 343-0460  
www.cplinc.com

Call before you  
Dig 8-1-1

or 1-800-424-5555  
UNDERGROUND SERVICE (USA)



CONTRACTOR SHALL MAINTAIN EXISTING SIGNAL OPERATION DURING CONSTRUCTION AND PROVIDE TEMPORARY SIGNAL MODIFICATIONS WHEN NEEDED APPROVED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

ALL WORK NECESSARY TO ADJUST, RELOCATE, REPAIR OR CONSTRUCT ANY PART OF THE SIGNAL UTILITY SHALL BE AT THE CONTRACTOR'S EXPENSE. THIS WORK IS TO BE PERFORMED BY A QUALIFIED SIGNAL CONTRACTOR OR SDOT CREWS.

ANY CONFLICTS WITH THE SIGNAL SYSTEM AND CONSTRUCTION SEQUENCE MUST BE COORDINATED WITH THE SIGNAL OPERATIONS OFFICE AS SOON AS KNOWN. CONTACT DODD PHARIS AT 206-255-7244. A MINIMUM FIVE WORKING-DAY NOTICE IS REQUIRED FOR ANY WORK REQUESTED OF TRAFFIC SIGNAL ELECTRICIAN CREWS. SDOT CREWS WILL NOT BE SCHEDULED UNTIL AN ACCOUNT HAS BEEN SET UP FOR THE SPECIFIC PROJECT WITH A DEPOSIT TO COVER ALL COSTS TO RESOLVE THE CONFLICT AND A RESPONSIBLE PARTY HAS SIGNED THE SDOT-SIGNAL PRIVATE CONTRACTOR BILLING AGREEMENT. ANY WORK PERFORMED BY SDOT CREWS EXCEEDING THE DEPOSIT AMOUNT WILL BE INVOICED AND BILLED TO THE CONTRACTOR. ANY UNUSED MONEY WILL BE REFUNDED AT THE CONCLUSION OF THE PROJECT.

ANY SIGNAL ITEMS, INCLUDING BUT NOT LIMITED TO SIGNAL HEADS, POLE FOUNDATIONS, PEDESTALS, DETECTOR LOOPS, CONDUITS, HANDHOLES, AND ASSOCIATED SPAN WIRES AND CABLES THAT ARE DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY SIGNAL ITEMS WHICH ARE DISTURBED AS A RESULT OF GRADE CHANGE ARE REQUIRED TO BE REGRADED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

ACCESS TO CONTROLLER CABINETS AND ASSOCIATED SIGNAL EQUIPMENT MUST BE AVAILABLE AT ALL TIMES. SPACE MUST BE PROVIDED FOR DOOR SWING. ANY FENCES, EQUIPMENT AND MATERIAL STORAGE SHALL NOT BLOCK ACCESS TO SIGNAL EQUIPMENT. ANY COSTS AND/OR TIME LOSS INCURRED BY SDOT CREWS IN GAINING ACCESS TO BLOCKED SIGNAL EQUIPMENT WILL BE AT THE CONTRACTOR'S EXPENSE.

ANY WORK THAT WILL DAMAGE OR DESTROY TRAFFIC LOOP DETECTORS MUST NOTIFY SIGNAL OPERATIONS OFFICE AT EARLIEST TIME NO LESS THAN TWO WEEKS PRIOR TO SCHEDULED WORK. SIGNAL OPERATIONS OFFICE WILL PREPARE AN ESTIMATE TO COVER THE COST ASSOCIATED WITH TEMPORARY DETECTION AND TIMING, DIS-CONNECTION, DETECTOR TESTING, RE-CONNECTION AND RESTORATION OF PERMANENT TIMING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE THE DETECTOR LOOPS WITHIN TWO (2) WEEKS OF DESTRUCTION OR PROVIDE TEMPORARY DETECTION DURING THE INTERIM. FULLY RESTORED PAVEMENT MUST BE IN PLACE BEFORE THE LOOPS CAN BE RESTORED. A DEPOSIT FOR THE FULL ESTIMATE PREPARED BY THE SIGNAL OPERATIONS OFFICE AND A SIGNED SDOT-SIGNAL PRIVATE CONTRACTOR BILLING AGREEMENT BILLING IS REQUIRED PRIOR TO SCHEDULED WORK. DISCONNECT AND TEMPORARY TIMING WILL BE SCHEDULED NO LESS THAN FIVE (5) WORKING DAYS AFTER RECEIPT OF THE DEPOSIT. SIGNAL OPERATIONS PERSONNEL WILL WORK ON A TIME AND MATERIAL BASIS. ANY UNUSED MONEY WILL BE REFUNDED AT THE CONCLUSION OF THE PROJECT.

THE CONTRACTOR SHALL INVESTIGATE FOR UNDERGROUND UTILITIES PRIOR TO ANY POLE FOUNDATION EXCAVATION OR CONDUIT TRENCHING TO AVOID DAMAGE TO ANY UNDERGROUND UTILITIES (INCLUDING SIDE SEWERS).

THE CONTRACTOR SHALL VERIFY THE CAPACITIES OF ALL EXISTING CONDUITS OR DUCT RUNS DESIGNATED FOR USE ON THIS PROJECT. ANY DISCREPANCIES WITH THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO ANY CONSTRUCTION WORK.

EXISTING SIGNS WHICH ARE REMOVED (STREET NAME SIGNS, SIGNAL SIGNS, ETC.) FROM AN EXISTING POLE SHALL BE REINSTALLED PER PLAN OR ADJUSTED IN THE FIELD WITH THE ENGINEER'S APPROVAL.

3. ALL DISCONNECTIONS: TEMPORARY OR FINAL SERVICE CONNECTIONS WILL BE MADE BY SEATTLE CITY LIGHT (SCL) AT PROJECT'S EXPENSE. COORDINATE ALL ENERGIZING AND DE-ENERGIZING OF STREET LIGHTING SERVICE WITH SCL ELECTRICAL SERVICE REPRESENTATIVE AND STREETLIGHT ENGINEER FIFTEEN (15) WORKING DAYS IN ADVANCE. ADDITIONAL TIME MAY BE NEEDED FOR CREW SCHEDULING AND MOBILIZATION.
2. CONTRACTOR MUST MAKE PRIOR COORDINATION FOR FLOOD OR STREETLIGHT REMOVAL. CONTRACTOR MUST MAKE PRIOR DELIVERY COORDINATION FOR SALVAGED STREETLIGHT-RELATED MATERIALS TO SEATTLE CITY LIGHT SALVAGE YARD AT 4TH AVE S & S SPOKANE ST, 98134. CONTACT SALVAGE COORDINATOR AT 206-386-1765. NO ARTERIAL STREETLIGHT MAY BE DISABLED WITHOUT PRIOR APPROVAL FROM SEATTLE DEPARTMENT OF TRANSPORTATION, (SDOT).
3. EXISTING STREET LIGHTING SYSTEM SHALL BE MAINTAINED DURING CONSTRUCTION.
4. WORK MUST BE SCHEDULED SUCH THAT NO TWO (2) ADJACENT OR OPPOSITE STREETLIGHTS ARE DISABLED AT ANY ONE TIME.
5. ANY EXCAVATION IN PROXIMITY TO AN EXISTING STREETLIGHT POLE MUST BE DONE WITHOUT UNDERMINING ITS STABILITY. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILIZING SUPPORT.
6. INSTALLATION OF UNDERGROUND STREETLIGHT SYSTEMS, AND STREETLIGHT SYSTEM GROUNDING AND BONDING MUST BE PER SEATTLE CITY LIGHT (SCL) CONSTRUCTION STANDARD 1714.50.
7. ALL WIRING, INCLUDING STREET LIGHTING, PEDESTRIAN LIGHTING AND FESTOON LIGHTING CIRCUITS MUST BE CLEARLY LABELED PER SEATTLE CITY LIGHT (SCL) CONSTRUCTION STANDARD 1714.10.
8. EACH LUMINAIRE MUST BE FUSED PER (SCL) CONSTRUCTION STANDARD 1730.00.
9. STREETLIGHT HANDHOLE AND CONDUIT REQUIREMENTS MUST CONFORM TO SCL CONSTRUCTION STANDARD 1716.07.
10. PULL TAPE MUST BE INSTALLED THROUGH VACANT CONDUIT CAPPED PER (SCL) CONSTRUCTION STANDARD U2-11.40/NDK-40.
11. MAINTAIN MINIMUM HORIZONTAL & VERTICAL CLEARANCES BETWEEN SCL UNDERGROUND STRUCTURES AND VARIOUS OTHER UTILITY STRUCTURES PER SCL CONSTRUCTION STANDARD 0214.00.
12. FOR STREET LIGHTING INSPECTIONS CONTACT SCL ELECTRICAL REVIEWER TEN (10) WORKING DAYS IN ADVANCE.
13. CONTRACTOR MUST CALL FOR AN ELECTRICAL REVIEWER INSPECTION OF THE STREET LIGHTING SYSTEM AT VARIOUS STAGES OF INSTALLATION/CONSTRUCTION OR AS INSTRUCTED BY THE SCL INSPECTOR.
14. CONTRACTOR MUST PROVIDE AN OPERATOR AND MAN LIFT TRUCK FOR USE DURING INSPECTION OF INSTALLED STREETLIGHT FACILITIES.
15. CONTRACTOR MUST ASSIST THE INSPECTOR DURING INSPECTIONS, COMMISSIONING, AND FINAL CONNECTION PHASES OF THE PROJECT AS INSTRUCTED BY THE INSPECTOR. SUCH ASSISTANCE WILL INCLUDE, BUT NOT BE LIMITED TO OPENING HANDHOLES, MANHOLES AND VARIOUS ACCESS COVERS, DISCONNECTING AND RECONNECTING FUSE HOLDERS AND MECHANICAL SPLICE CONNECTIONS, VERIFYING CONDUIT RUNS, ETC.
16. PRIOR TO REQUESTING FINAL STREETLIGHT SERVICE CONNECTION, CONTRACTOR MUST CORRECT ALL PUNCH LIST ITEMS AND CALL FOR A RE-INSPECTION WHERE REQUIRED BY THE INSPECTOR. CONTRACTOR MUST PREPARE A SIGNED AS-BUILT AND WIRING DIAGRAM WHICH INCLUDES WHICH DUCT IS USED IN EACH DUCT BAIL

1. APPLICATION FOR A NEW METERED WATER SERVICE AND PAYMENT OF ALL FEES IS REQUIRED BEFORE SERVICE WILL BE AVAILABLE.
2. APPLICANT WILL NEED A WATER AVAILABILITY CERTIFICATE (WAC) AND LEGAL DESCRIPTION OF PROPERTY WHEN SUBMITTING THE APPLICATION. TO OBTAIN A WAC, PLEASE CONTACT THE DEVELOPMENT SERVICES OFFICE AT (206) 684-3333 OR [SPUWATERAVAILABILITY@SEATTLE.GOV](mailto:SPUWATERAVAILABILITY@SEATTLE.GOV).
3. ALL WATER SERVICES SHALL BE LOCATED IN THE PUBLIC RIGHT OF WAY AND WITHIN THE FRONTAGE OF THE PARCEL BEING SERVED.
4. WATER SERVICES SERVING PARCELS WITHOUT FRONTAGE TO THE PUBLIC RIGHT OF WAY (SUCH AS UNIT LOT SUBDIVISIONS) OR LANDLOCKED PARCELS SHALL BE SERVED BY A PRIVATE WATER SERVICE EXTENDING FROM THE WATER METER TO THE PARCEL BEING SERVED. THE WATER SERVICE SHALL BE INSTALLED IN A DEDICATED EASEMENT. THE EASEMENT SHALL BE OBTAINED BY THE DEVELOPER, RECORDED, AND A COPY SHALL BE PROVIDED TO SEATTLE PUBLIC UTILITIES (SPU) AT THE TIME OF APPLICATION SUBMITTAL.
5. ALL WATER SERVICES PIPING ON PROPERTY MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH. CONTACT (206) 684-5800 TO REQUEST AN INSPECTION.
6. CUSTOMERS ARE REQUIRED TO INSTALL AN APPROVED AIR GAP OR REDUCED-PRESSURE BACKFLOW ASSEMBLY (RPBA/RPDA) ON ALL WATER SERVICE CONNECTIONS POSING A HIGH HEALTH CROSS-CONNECTION HAZARD (PURSUANT TO WAC 246-290-490). BACKFLOW PREVENTION IS ALSO REQUIRED ON WATER SERVICE CONNECTIONS SUCH AS FIRE SERVICES, IRRIGATION SERVICES, BUILDINGS EXCEEDING THREE STORIES OR 30 FT. IN HEIGHT ABOVE THE METER (MEASURED TO THE HIGHEST WATER FIXTURE), AND MAY BE REQUIRED FOR OTHER WATER SERVICES. SPU AND KING COUNTY HEALTH DEPARTMENT (KCHD) ARE THE ADMINISTRATIVE AUTHORITIES ENGAGED IN A JOINT PROGRAM IDENTIFYING ACTUAL AND POTENTIAL CROSS-CONNECTIONS BETWEEN THE PUBLIC WATER SUPPLY AND POSSIBLE SOURCES OF CONTAMINATION. FOR ANSWERS TO SPECIFIC CROSS-CONNECTION CONTROL QUESTIONS OR TO REQUEST AN INSPECTION, PLEASE CALL (206) 684-3536.

## REVISÉ 12/11/19

1. ANY CONSTRUCTION OR INSTALLATION ACTIVITIES AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT CONSTRUCTION INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES, PLEASE VISIT:  
[HTTP://WWW.KINGCOUNTY.GOV/TRANSPORTATION/KCDOT/METROTRANSIT/CONSTRUCTION.ASPX](http://www.kingcounty.gov/TRANSPORTATION/KCDOT/METROTRANSIT/CONSTRUCTION.ASPX) OR CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS
2. TO SCHEDULE SHELTER REMOVAL, PLEASE CONTACT [PLANSREVIEW@KINGCOUNTY.GOV](mailto:PLANSREVIEW@KINGCOUNTY.GOV). PLEASE NOTE THAT METRO REQUIRES 3 WEEKS PRIOR NOTIFICATION FOR REMOVAL.
3. PLEASE SEE THE FOLLOWING URL FOR STANDARD CONSTRUCTION DETAILS:  
[HTTP://WWW.KINGCOUNTY.GOV/DEPTS/TRANSPORTATION/METRO/DESIGN-CONSTRUCTION-STANDARDS/PASSENGER-FACILITIES/CONSTRUCTION.ASPX](http://www.kingcounty.gov/DEPTS/TRANSPORTATION/METRO/DESIGN-CONSTRUCTION-STANDARDS/PASSENGER-FACILITIES/CONSTRUCTION.ASPX)
4. ALL METRO FOOTINGS MUST BE INSPECTED BY METRO INSPECTORS BEFORE ANY CONCRETE IS POURED PLEASE CONTACT METRO INSPECTORS DIRECTLY AT 206-263-2381 OR 206-507-6550 OR VIA EMAIL AT [TBI@KINGCOUNTY.GOV](mailto:TBI@KINGCOUNTY.GOV). PLEASE NOTE THAT METRO REQUIRES NOTICE OF 3 WORKING DAYS TO SCHEDULE INSPECTION.
5. AFTER FOOTING INSPECTION AND COMPLETED CONSTRUCTION, PLEASE CONTACT [PLANSREVIEW@KINGCOUNTY.GOV](mailto:PLANSREVIEW@KINGCOUNTY.GOV) TO SCHEDULE SHELTER FRAME INSTALLATION AND BUS STOP FLAGPOST INSTALLATION.
6. FOR ANY CIVIL, STRUCTURAL OR ELECTRICAL DESIGN QUESTIONS, PLEASE CONTACT PAUL ENG AT (206) 477-5953 FOR ASSISTANCE.

1. CONTACT MAPREQUEST@PSE.COM FOR UPDATED GAS MAPS OF AREA.
2. MAINTAIN A MINIMUM 1' VERTICAL SEPARATION WHEN CROSSING GAS MAINS OR SERVICES.
3. MAINTAIN A MINIMUM 3' HORIZONTAL SEPARATION WHEN RUNNING PARALLEL TO GAS MAINS OR SERVICES.
4. IF HP IS ENCOUNTERED, PLEASE CONTACT PSE PI INSPECTOR BEFORE WORKING NEAR HP  
GAS  
MAINS: GLENN HUDEN, 206-396-4159, GLENN.HUDEN@PSE.COM
5. COORDINATE WITH PSE CUSTOMER CONSTRUCTION SERVICES AT 1-888-321-7779 AND A PSE PROJECT MANAGER FOR RELOCATION OF GAS MAINS AND SERVICES AS NEEDED.
6. LOCATE AND PROTECT ALL GAS FACILITIES IN THE FIELD.

PROJECT IS LOCATED WITHIN THE BOUNDARY OF DOWNTOWN, CID, WATERFRONT, AND PIONEER CONSTRUCTION HUB. CONTRACTORS PLANNING TO WORK IN THESE AREAS MUST SCHEDULE THEIR RIGHT-OF-WAY IMPACTS AN CONSTRUCTION WITH CONSTRUCTION HUB COORDINATORS BEFORE PERMITS CAN BE ISSUED. PERFORMING WORK IN THE CONSTRUCTION HUB REQUIRES AT MINIMUM 10 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN. TO SUBMIT A SCHEDULING REQUEST, PLEASE COORDINATE WITH THE HUB COORDINATOR; Eduardo.Pena@seattle.gov or SEATCONSTRUCTIONHUB@SEATTLE.GOV

**COUGHLINPORTERLUNDEEN**  
STRUCTURAL CIVIL SEISMIC ENGINEERING

801 SECOND AVENUE, SUITE 900  
SEATTLE, WA 98104

(206) 343-0460  
[www.cplinc.com](http://www.cplinc.com)

Call before you  
Dig. 8-1-1  
or 1-800-424-5555  
UNDERGROUND SERVICE (USA)

APPROVED FOR SDOT PERMITTING	
ENGINEER/LA/SURVEYOR .....	SDOT PROJECT MANAGER .....
SPU/WATER ENGINEERING .....	SDOT SUPERVISOR .....
SPU/DRAINAGE .....	REVISED AS-BUILT .....
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS IN EFFECT ON THE DATE SHOWN ABOVE, AND SUPPLEMENTED BY SPECIAL PROVISIONS.	



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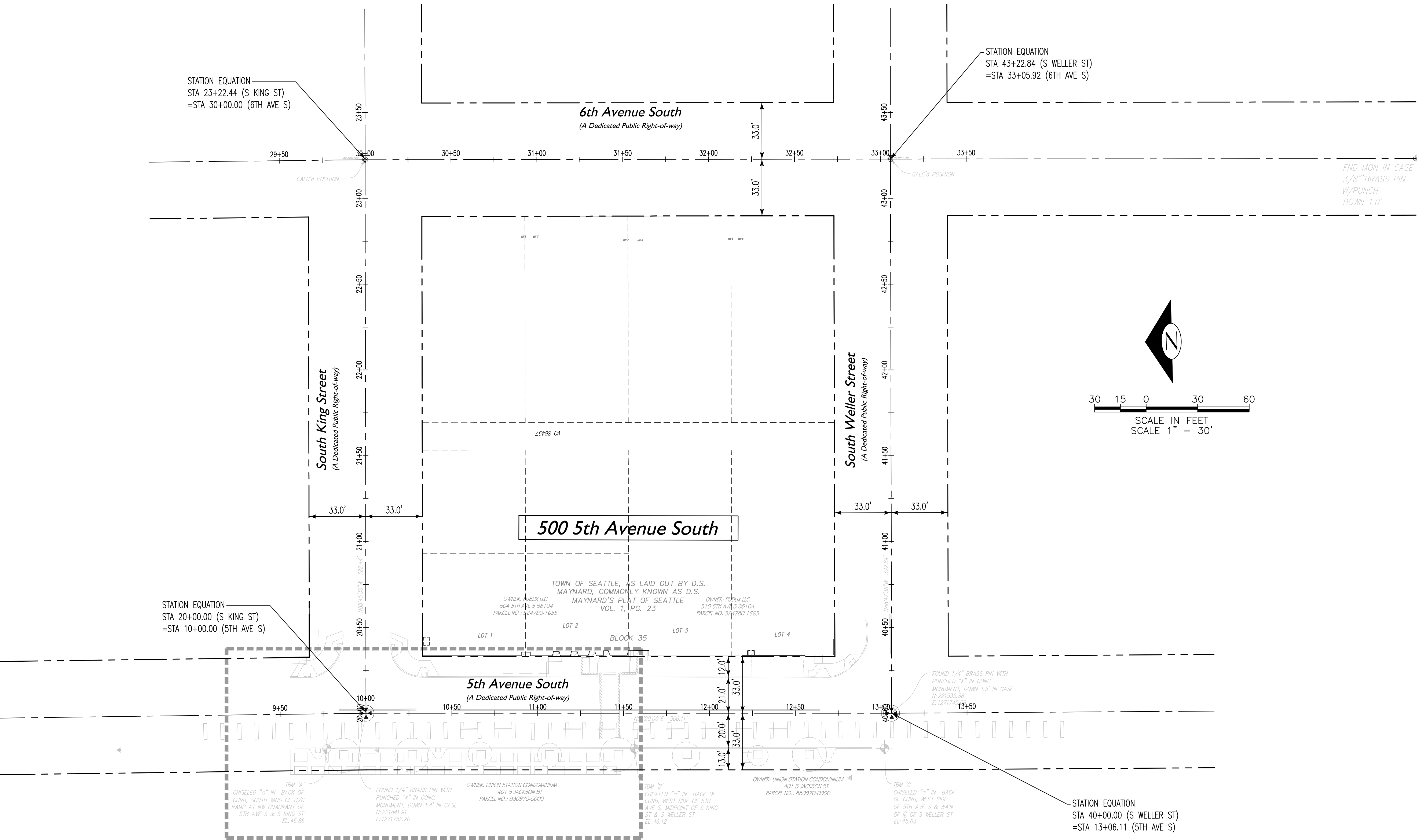
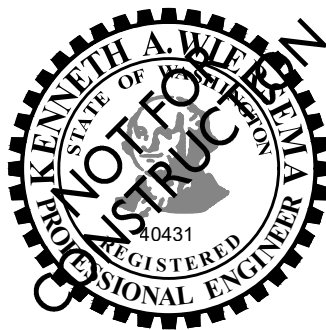
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## GENERAL NOTES

SDOT PROJECT NO.  
SUSIP0000719  
VAULT PLAN NO.  
VAULT SERIAL NO.  
SHEET 2 OF 6

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DATE	MARK	NATURE OF REVISIONS	MADE BY	CHK'D	REV'D



90% STREET IMPROVEMENT PLAN – NOT FOR CONSTRUCTION

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SPU/WATER ENGINEERING .....	SDOT SUPERVISOR .....		
SPU/DRAINAGE .....	REVISED AS-BUILT .....		

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ALIGNMENT PLAN

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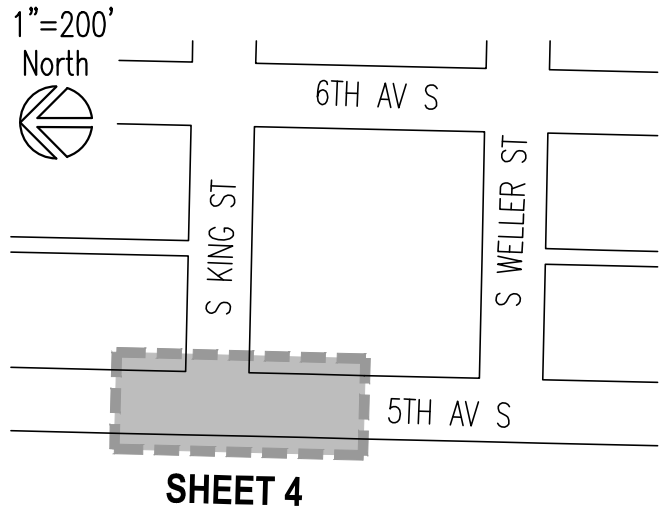
SDOT PROJECT NO. SUSIP0000719
VAULT PLAN NO.
VAULT SERIAL NO.
SHEET 3 OF 6



LEGEND

CONCRETE PAVEMENT (STD PLAN 420A)	
ASPHALT PAVEMENT (STD PLAN 402C)	
2" ASPHALT GRIND & OVERLAY (STD PLAN 402B)	
CONCRETE WALK (STD PLAN 420)	
LANDSCAPING	
EXISTING CENTER LINE	
EXISTING FLOWLINE	
PROPOSED FLOWLINE	
PROPOSED TOP OF CURB	
PROPOSED BACK OF WALK	
EXISTING SPOT ELEVATION	

Vicinity Map



COORDINATE STREET/PARKING SIGNAGE  
REMOVAL AND INSTALLATION IN THE  
RIGHT-OF-WAY WITH WILLIAM WAN, SDOT  
STREET SIGNAGE, AT 206-684-8175.  
SEE GENERAL NOTE #27 FOR PAY  
STATION/SIGN REMOVAL/RELOCATION.

THE CONTRACTOR SHALL COORDINATE  
SIDEWALK CLOSURES, STREET CLOSURES  
AND ROW USE PERMITS WITH THE CITY  
OF SEATTLE DEPARTMENT OF  
TRANSPORTATION (SDOT).

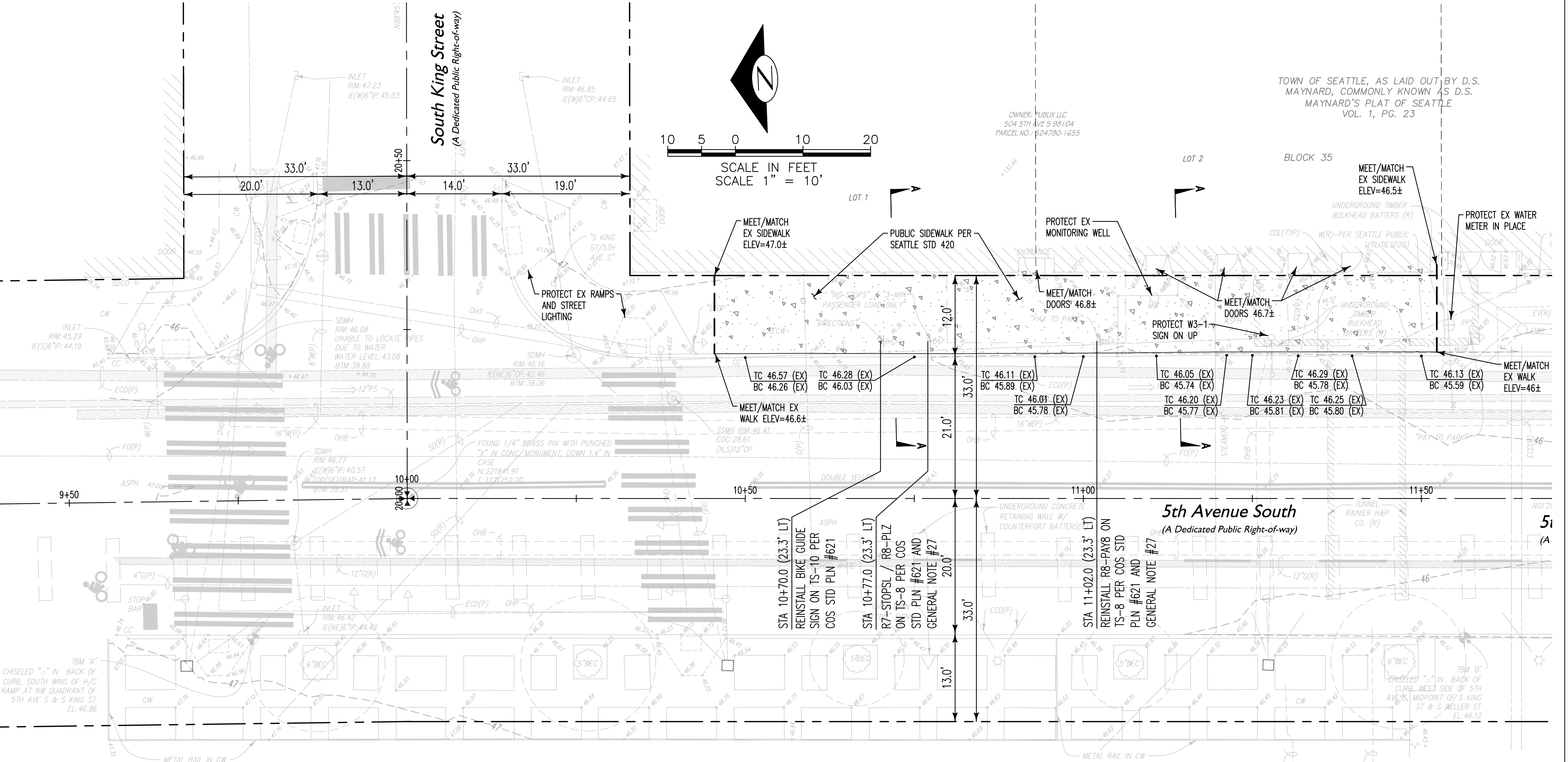
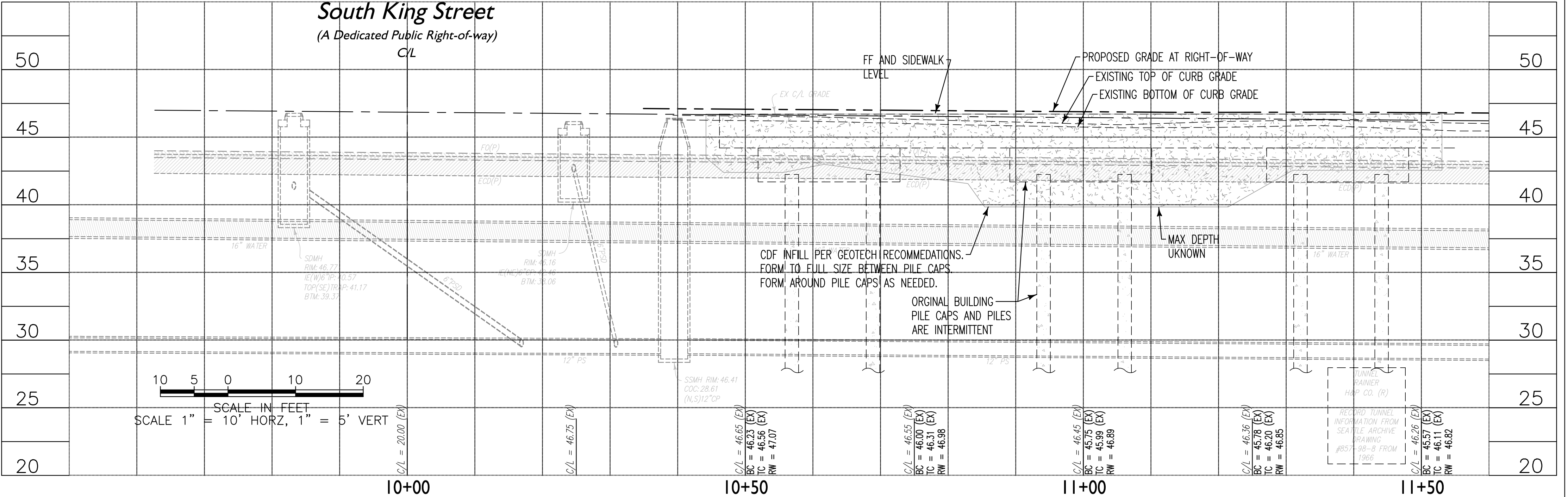
PROTECT TREES & VEGETATION PER  
STANDARD SPECIFICATIONS 1-07.16(2) &  
8-01.3(2)B. CONTACT SDOT URBAN  
FORESTER 206-684-5693 FOR FIELD  
REVIEW OF TREE, VEGETATION AND SOIL  
PROTECTION PLAN PRIOR TO  
CONSTRUCTION.

CONTRACTOR SHALL MAINTAIN SAFE  
PEDESTRIAN ACCESS ACROSS THE  
FRONTAGE OF THE PROJECT AT ALL  
TIMES. THE CONTRACTOR IS  
RESPONSIBLE FOR OBTAINING ALL  
NECESSARY PERMITS FOR WORK  
PERFORMED WITHIN THE CITY OF  
SEATTLE RIGHT-OF-WAY, UNLESS  
CONTRACTOR HAS RECEIVED APPROVAL  
OR OTHERWISE FROM SDOT ON  
SIDEWALK CLOSURES.

Section A-A

NOT TO SCALE

SCOPE INTENT IS TO PROVIDE ADEQUATE BASE AND SUB-BASE  
UNDER WALK TO SUPPORT SIDEWALK, WITHOUT LOADING BUILDING  
STRUCTURE. ALSO TO CLOSE OFF VOIDS UNDER WALK WHICH MAY  
ALLOW WATER AND SOIL TO FLOW FROM STREET, THROUGH STREET  
WALL, AND UNDER WALK. NO PROPOSED WORK WEST OF CURB.



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SPU/DRAINAGE .....	REVISED AS-BUILT .....



504 5TH AVE S

PLAN AND PROFILE 5TH AVE S

SDOT PROJECT NO. SUSIP0000719
VAULT PLAN NO.
VAULT SERIAL NO.
SHEET 4 OF 6





MAYNARD AVENUE S.

IN THE SW 1/4 & SE 1/4 OF THE NW 1/4, SECTION 5, TOWNSHIP 24 NORTH, RANGE 4 EAST, W.M.

HORIZONTAL DATUM:  
NAD 83/2011 (EPOCH 2010.00)

HORIZONTAL BENCHMARKS:  
OWNER: CITY OF SEATTLE  
DESCRIPTION: 1/4" BRASS NAIL WITH PUNCHED "X" IN CONC. MONUMENT, DOWN 1.4' IN CASE  
LOCATION: INTERSECTION OF CENTERLINES OF 5TH AVE SOUTH AND SOUTH KING STREET  
NORTHING: 221841.91  
EASTING: 1271752.20  
OWNER: CITY OF SEATTLE  
DESCRIPTION: 1/4" BRASS PIN WITH PUNCHED "X" IN CONC. MONUMENT, DOWN 1.5' IN CASE  
LOCATION: INTERSECTION OF CENTERLINES OF 5TH AVE SOUTH AND SOUTH WELLS STREET  
NORTHING: 221535.88  
EASTING: 1271745.08

VERTICAL DATUM:  
NAVD 88

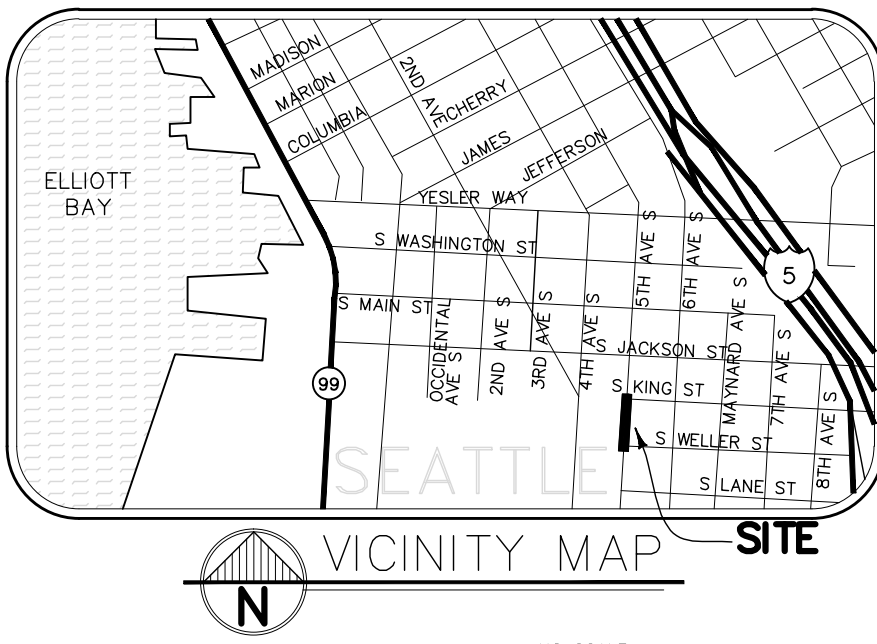
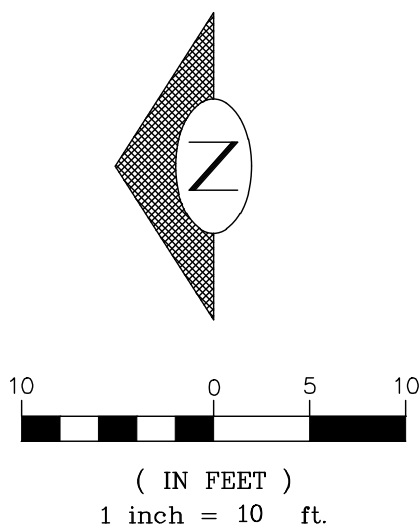
VERTICAL BENCHMARKS:  
ID NO.: 3663-24A  
DESCRIPTION: 2" BRASS DISC  
ELEVATION: 51.80 FT.  
LOCATION: SET 1 FOOT NORTH OF THE INTERSECTION OF BACK OF CONCRETE WALK AND 12 FEET WEST AND 11 FEET SOUTH OF CURB SIDES AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SOUTH KING STREET AND 6TH AVE. SOUTH.  
ID NO.: 3663-24B  
DESCRIPTION: 2" BRASS DISC  
ELEVATION: 48.14 FT.  
LOCATION: SET AT THE INTERSECTION OF THE BACK OF CONCRETE WALK 19 FT. WEST OF THE CURB FACE AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SOUTH JACKSON STREET AND 5TH AVENUE SOUTH.

STATEMENT OF TOPOGRAPHIC MAP ELEMENTS (WAC 332-130-145)

- 2(B) PURPOSE: CIVIL ENGINEERING DESIGN.  
2(C) CONTOUR SOURCE: CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS  
2(F) CONTOUR ACCURACY: COMPLIES WITH UNITED STATES NATIONAL MAP ACCURACY STANDARDS (90% OR GREATER OF ALL SURVEY POINTS CHECKED ARE CORRECT WITHIN HALF OF ONE CONTOUR INTERVAL).  
2(G) LIMITATIONS: THIS TOPOGRAPHIC SURVEY IS TO SUPPORT SPECIFIC EFFORTS WITHIN THE AREA OF MAPPING SHOWN.  
2(H) BOUNDARY SOURCE: FIELD SURVEY OF CONTROLLING MONUMENTS, AND CONSIDERATION OF EXISTING RECORDS OF SURVEYS FOR DETERMINING ON THE GROUND POSITIONS OF DEEDED PROPERTY AND EASEMENT LINES.  
3(A) & 3(B) UTILITIES: UNDERGROUND UTILITIES ARE SHOWN BY ONE OR MORE OF THE FOLLOWING METHODS:  
1. SURVEY FIELD OBSERVATION OF MARKINGS PRODUCED BY DIRECT UTILITY DETECTION WORK.  
2. DIRECT OBSERVATIONS OF UNDERGROUND, GRAVITY FLOW PIPES PERFORMED AT VISIBLE CONTROLLING STRUCTURES.  
3. SCALING OF AS-BUILTS, DESIGN DRAWINGS OR OTHER RECORDS.  
3(C) SCOPE STATEMENT: AGREED UPON SCOPE BETWEEN PROJECT OWNER/AGENT AND SURVEYOR IS TO PROVIDE AN SDOT COMPLIANT TOPOGRAPHIC SURVEY.

GEODETIC GROUND TO GRID INFORMATION

SCALE FACTOR BASIS: 1/4" BRASS NAIL WITH PUNCHED "X" IN CONC. MONUMENT, DOWN 1.4' IN CASE  
LOCATION: INTERSECTION OF CENTERLINES OF 5TH AVE SOUTH AND SOUTH KING STREET  
NORTHING: 221841.91  
EASTING: 1271752.20  
(GRID) SCALE FACTOR: 0.99998310  
ELEVATION (SCALE) FACTOR: 1.00000122  
COMBINED GRID (SCALE) FACTOR: 0.99998432



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SDOT PROJECT NO.	SUSIP0000719
VAULT PLAN NO.	X
VAULT SERIAL NO.	X
SHEET 5	OF 6

504 5TH AVE S  
SCIDPDA  
TOPOGRAPHIC SURVEY



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ENGINEER/LA/SURVEYOR .....	SDOT PROJECT MANAGER .....
SPU/WATER ENGINEERING .....	SDOT SUPERVISOR .....
SPU/DRAINAGE .....	REVISED AS-BUILT .....

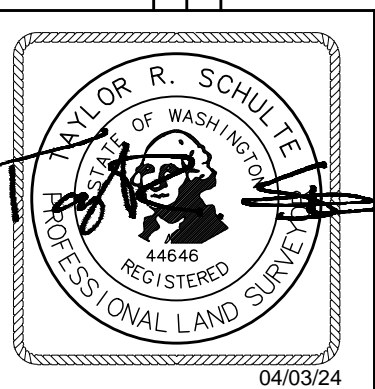
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BUSH, ROED & HITCHINGS, INC.  
LAND SURVEYORS & CIVIL ENGINEERS



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BELLEVUE, Washington  
98007-6546  
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DATE	MARK	NATURE	REVISIONS
			MADE CHK'D REV'D



LEGEND

ABAN/RET	AREA DRAIN
BLRD	ABANDONED/RETIRED ASPHALT (ASPH)
BLRD	BOLLARD
BRCK	BRICK SURFACE
BC	BUILDING LINE
BR	BUILDING CORNER
BIKE	BIKE RACK
CANOPY	CANOPY
CATCH BASIN (CB)	CATCH BASIN (CB)
CW/BW	CONCRETE SURFACE
CRW/WRW	CONCRETE/BRICK WALK
CC/XC	CONCRETE/WOOD RETAINING WALL
CP/IP	CONCRETE/EXTRUDED CURB
COL	CONCRETE/IRON PIPE
CLF	CHAIN LINK FENCE (CLF)
COLUMN	COLUMN
C/M	CENTERLINE/MONUMENT LINE
CS/WS	CONCRETE/WOOD STAIRS
CON	CONIFEROUS TREE
DEC	DECIDUOUS TREE
GMP	CORRUGATED METAL PIPE
C.O.C.	CENTER OF CHANNEL
DRIV	DRIVEWAY
ECD	ELECTRICAL CONDUIT
ED	ELECTRICAL DUCT
EHH	ELECTRICAL HANDHOLE
EMH	ELECTRICAL MANHOLE
EM	ELECTRICAL METER
EV/ET	ELECTRICAL VAULT/TRANSFORMER
FOUND	FOUND SURVEY MONUMENT (AS NOTED)
FIRE	FIRE HYDRANT
FIRE	FIRE DEPT. CONNECTION (FDC)
FIBER	FIBER OPTICS
FOMH	FIBER OPTIC MANHOLE
FFE	FINISH FLOOR ELEVATION
G	GAS MAIN
GM	GAS METER
GV	GAS VALVE
IE	GUY ANCHOR
INVERT	INVERT ELEVATION
LANDSCAPE/PLANTER	LANDSCAPE/PLANTER
MANHOLE	MANHOLE
MONITOR WELL	MONITOR WELL
OVERHEAD POWER/TELEPHONE	OVERHEAD POWER/TELEPHONE
OVERHEAD GUYWIRE/BUS (TROLLEY)	OVERHEAD GUYWIRE/BUS (TROLLEY)
PAINTED UTILITY LOCATION	PAINTED UTILITY LOCATION
PE	PIPE FLOW DIRECTION
PE	POLYETHYLENE
PPS	PARKING PAY STATION
PS/SS	COMBINED/SANITARY SEWER
PSD	STORM DRAIN
(R)	RECORD DATA
SCL/CLHH	SEATTLE CITY LIGHT HANDHOLE
SD	SERVICE DRAIN (STORM)
CO	CLEANOUT
SSS	SANITARY SIDE SEWER (RECORD)
SIGN/STREET NAME SIGN	SIGN/STREET NAME SIGN
TRAFFIC CONTROL/STREET LIGHT HANDHOLE	TRAFFIC CONTROL/STREET LIGHT HANDHOLE
TRENCH DRAIN	TRENCH DRAIN
TEMPORARY BENCHMARK (TBM)	TEMPORARY BENCHMARK (TBM)
TRAFFIC FLOW DIRECTION	TRAFFIC FLOW DIRECTION
TRAFFIC SIGNAL	TRAFFIC SIGNAL
WATER VAULT	WATER VAULT
WATER MAIN	WATER MAIN
WATER METER	WATER METER
WATER VALVE	WATER VALVE
WATER GATE VALVE/CHAMBER	WATER GATE VALVE/CHAMBER
VACATION/CONDEMNATION ORDINANCE	VACATION/CONDEMNATION ORDINANCE

PSD	STORM DRAIN
(R)	RECORD DATA
SCL/CLHH	SEATTLE CITY LIGHT HANDHOLE
SD	SERVICE DRAIN (STORM)
CO	CLEANOUT
SSS	SANITARY SIDE SEWER (RECORD)
SIGN/STREET NAME SIGN	SIGN/STREET NAME SIGN
TRAFFIC CONTROL/STREET LIGHT HANDHOLE	TRAFFIC CONTROL/STREET LIGHT HANDHOLE
TRENCH DRAIN	TRENCH DRAIN
TEMPORARY BENCHMARK (TBM)	TEMPORARY BENCHMARK (TBM)
TRAFFIC FLOW DIRECTION	TRAFFIC FLOW DIRECTION
TRAFFIC SIGNAL	TRAFFIC SIGNAL
WATER VAULT	WATER VAULT
WATER MAIN	WATER MAIN
WATER METER	WATER METER
WATER VALVE	WATER VALVE
WATER GATE VALVE/CHAMBER	WATER GATE VALVE/CHAMBER
VACATION/CONDEMNATION ORDINANCE	VACATION/CONDEMNATION ORDINANCE

PSD	STORM DRAIN
(R)	RECORD DATA
SCL/CLHH	SEATTLE CITY LIGHT HANDHOLE
SD	SERVICE DRAIN (STORM)
CO	CLEANOUT
SSS	SANITARY SIDE SEWER (RECORD)
SIGN/STREET NAME SIGN	SIGN/STREET NAME SIGN
TRAFFIC CONTROL/STREET LIGHT HANDHOLE	TRAFFIC CONTROL/STREET LIGHT HANDHOLE
TRENCH DRAIN	TRENCH DRAIN
TEMPORARY BENCHMARK (TBM)	TEMPORARY BENCHMARK (TBM)
TRAFFIC FLOW DIRECTION	TRAFFIC FLOW DIRECTION
TRAFFIC SIGNAL	TRAFFIC SIGNAL
WATER VAULT	WATER VAULT
WATER MAIN	WATER MAIN
WATER METER	WATER METER
WATER VALVE	WATER VALVE
WATER GATE VALVE/CHAMBER	WATER GATE VALVE/CHAMBER
VACATION/CONDEMNATION ORDINANCE	VACATION/CONDEMNATION ORDINANCE



IN THE SW 1/4 & SE 1/4 OF THE NW 1/4, SECTION 5, TOWNSHIP 24 NORTH, RANGE 4 EAST, W.M.

FND MON IN CASE  
1/4" BRASS NAIL  
NO PUNCH  
DOWN 0.6'

MAYNARD  
AVENUE S.

6TH AVENUE S.

(A DEDICATED PUBLIC RIGHT OF WAY)

FND EMPTY CASE  
CALC'd POSITION

INLET  
RIM: 45.63  
IE(W)6"CP: 43.45

INLET  
RIM: 44.58  
IE(S)6"IP: 43.58

SDMH: 45.42  
RIM: 45.27  
IE(C)8"CP: 41.17  
IE(SW)8"CP: 39.07  
BTM: 37.77

FOUND 1/4" BRASS PIN WITH  
PUNCHED "X" IN CONC.  
MONUMENT, DOWN 1.5" IN CASE  
N: 221535.88  
E: 1271745.08

TBM 'C'  
CHISELED "C" IN BACK  
OF CURB, WEST SIDE OF 5TH AVE S  
& ±4' N OF E OF S WELLS ST  
EL: 45.63



VICINITY MAP

NO SCALE

MATCHLINE SEE SHEET 1

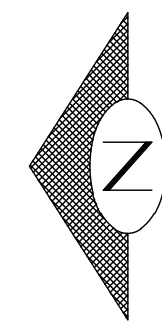
### LEGEND

- AREA DRAIN
- ABANDONED/RETIRED ASPHALT (ASPH)
- BOLLARD
- BRICK SURFACE
- BUILDING LINE
- BUILDING CORNER
- BIKE RACK
- CANOPY
- CATCH BASIN (CB)
- CONCRETE SURFACE
- CONCRETE/BRICK WALK
- CONCRETE/WOOD RETAINING WALL
- CONCRETE/EXTRUDED CURB
- CONCRETE/IRON PIPE
- CHAIN LINK FENCE (CLF)
- COLUMN

- CENTERLINE/MONUMENT LINE
- CONCRETE/WOOD STAIRS
- CONIFEROUS TREE
- DECIDUOUS TREE
- CORRUGATED METAL PIPE
- C.O.C.
- CENTER OF CHANNEL
- DRIVEWAY
- ECD
- ED
- EHH
- ELECTRICAL HANDHOLE
- EMH
- ELECTRICAL METER
- EM
- ELECTRICAL VAULT/TRANSFORMER
- EV/ET
- FOUND SURVEY MONUMENT (AS NOTED)
- FIRE HYDRANT
- FIRE DEPT. CONNECTION (FDC)
- FIBER OPTICS
- FIBER OPTIC MANHOLE
- FINISH FLOOR ELEVATION

- GAS MAIN
- GAS METER
- GAS VALVE
- GAS VAULT
- GUY ANCHOR
- INVERT ELEVATION
- LIGHT POLE (METAL)
- LIGHT POLE (WOOD)
- LIGHT POLE (DECORATIVE)
- LANDSCAPE/PLANTER
- MANHOLE
- MONITOR WELL
- OVERHEAD POWER/TELEPHONE
- OVERHEAD GUYWIRE/BUS (TROLLEY)
- PROPERTY LINE (PL)
- PAINTED UTILITY LOCATION
- PIPE FLOW DIRECTION
- POLYETHYLENE
- PARKING PAY STATION
- COMBINED/SANITARY SEWER

- PSD
- STORM DRAIN
- (R)
- RECORD DATA
- SCL/CL/H
- SEATTLE CITY LIGHT HANDHOLE
- SD
- SERVICE DRAIN (STORM)
- CO
- CLEANOUT
- SSS
- SANITARY SIDE SEWER (RECORD)
- TC/SL
- SIGN/STREET NAME SIGN
- TCHD
- TRAFFIC CONTROL/STREET LIGHT HANDHOLE
- TRENCH DRAIN
- TEMPORARY BENCHMARK (TBM)
- TRAFFIC FLOW DIRECTION
- TRAFFIC SIGNAL
- WV
- WATER VAULT
- W
- WATER MAIN
- WM
- WATER METER
- W
- WATER VALVE
- W
- WATER GATE VALVE/CHAMBER
- VO/CO
- VACATION/CONDEMNATION ORDINANCE



10 0 5 10  
( IN FEET )  
1 inch = 10 ft.

504 5TH AVE S — THE PUBLIX



BUSH, ROED & HITCHINGS, INC.  
LAND SURVEYORS & CIVIL ENGINEERS

15400 SE 30TH PL., STE 100  
BELLEVUE, Washington  
98007-6546  
BRH JOB NO.: 2013142.07

(206) 323-4144  
1-800-935-0508  
WWW.BRHINC.COM  
DRAFTED: HAK/TRS

APPROVED FOR SDOT PERMITTING

ENGINEER/LA/SURVEYOR .....	SDOT PROJECT MANAGER .....
SPU/WATER ENGINEERING .....	SDOT SUPERVISOR .....
SPU/DRAINAGE .....	REVISED AS-BUILT .....

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS IN EFFECT ON THE DATE SHOWN ABOVE, AND SUPPLEMENTED BY SPECIAL PROVISIONS.



Seattle  
Department of  
Transportation

504 5TH AVE S  
SCIDPDA  
TOPOGRAPHIC SURVEY

SDOT PROJECT NO.	SUSIP0000719
VAULT PLAN NO.	X
VAULT SERIAL NO.	X
SHEET	6 OF 6

August 23, 2023

Seattle Chinatown International District Preservation and Development Authority  
409 Maynard Avenue South, Suite P-2  
PO Box 3302  
Seattle, Washington 98114

Attention: Jamie Lee

Subject: Geotechnical Engineering Recommendations  
Publix Sidewalk Repair  
Seattle, Washington  
GeoEngineers File No. 24009-001-00

## **INTRODUCTION AND PROJECT UNDERSTANDING**

This letter presents the results of GeoEngineers Inc.'s (GeoEngineers') geotechnical engineering services in support of the proposed sidewalk repair project next to the Publix Hotel, in Seattle, Washington. The location of the site is shown on the Vicinity Map, Figure 1.

Based on our communication with Coughlin Porter Lundeen (CPL), the project civil engineer, we understand that the sidewalk to be repaired is next to the Publix Hotel, approximately 11.5 feet wide along 5<sup>th</sup> Avenue South, in Seattle, Washington, as shown in Site Plan, Figure 2. The Publix Hotel has a partial basement level with a sloping ground surface from the basement level to the sidewalk on the west side of the hotel. The existing sidewalk bears on corbels attached to the Publix Hotel foundation system. The Publix Hotel foundation system consists of deep foundations (driven piles). Pile caps and piles are intermittent under the west exterior wall of the hotel building. An existing counterfort retaining wall is located approximately at the back of the curb along the east side of 5<sup>th</sup> Avenue South. Figure 3 presents a typical cross section of the west side of the Publix Hotel basement and 5<sup>th</sup> Avenue South sidewalk.

The objectives of GeoEngineers' geotechnical engineering services are to provide our geotechnical design recommendations in support of the 5<sup>th</sup> Avenue South sidewalk repair to prevent sloughing of soil from under the sidewalk into the hotel basement.

## **SUBSURFACE CONDITIONS**

Based on our review of the nearby borings, that include GEI-1, B-2, and B-4 (2), as shown in Figure 2, the site is underlain by fill overlying beach deposits. Fill up to about 50 feet thick generally consists of loose to medium dense, fine to coarse sand with variable silt and gravel content and soft to stiff silt with variable sand and gravel content, and assorted debris including ash, coal, wood, and brick. Interbedded soft to stiff clay layers were encountered within the fill, about 25 to 45 feet below ground surface (bgs).

## GROUNDWATER CONDITIONS

Groundwater was encountered at depths of 25 to 36 feet bgs in the reviewed nearby borings. We anticipate the groundwater level will fluctuate as a function of seasonal precipitation and with fluctuations in rainfall duration and intensity.

## SLOPE STABILITY ANALYSIS AND RECOMMENDATIONS

Figure 3 presents the typical cross section of the crawl space between the hotel basement and the adjacent sidewalk. We understand that to prevent sloughing of soil from under the sidewalk into the hotel basement, a controlled density fill (CDF) trench behind the crawl space and the sidewalk at the Publix building property line is considered as an option. The intent of the CDF trench is to eliminate the need for the new sidewalk to bear on the Publix Building corbels (sidewalk to be supported on grade) and to retain the soil below the sidewalk. To determine the required dimensions of the CDF trench (width and embedment), we completed slope stability analyses.

Based on the typical cross section as shown in Figure 3, the slope is oriented at approximately 1.5H:1.0V (horizontal to vertical) with the vertical distance from the top of the sidewalk to the soil surface at the property line (D) ranging from 3 feet to 6 feet deep. The total crawl space depth was estimated to be 13 feet. A surcharge load of 250 pounds per square foot (psf) was applied along the road (5<sup>th</sup> Ave. S.) adjacent to the sidewalk.

Figure 4 presents the slope stability analysis results. With a CDF trench that has a 2-foot embedment below the ground surface at the property line and a width equal to 0.7H, where H is the height of CDF ( $H = D + 2$  feet), the critical slip surfaces generally go through the toe of crawl space slope with a minimum factor of safety (FOS) of 1.42.

Based on the slope stability analysis results, we recommend a 2-foot embedment of the CDF trench below the ground surface elevation at the property line and a minimum width of the CDF trench as 70% of the trench depth (including embedment).

The CDF should meet the requirements of the City of Seattle Standard Specification Section 2-10.2(3)A2.

\We appreciate the opportunity to assist you with this project. Please call if you have any questions regarding this report.

Sincerely,  
GeoEngineers, Inc.

Michelle Deng, PhD, PE  
Geotechnical Engineer

Matthew W. Smith, PE  
Senior Principal

MD:MWS:mls

Attachments:

Figure 1. Vicinity Map

Figure 2. Site Plan

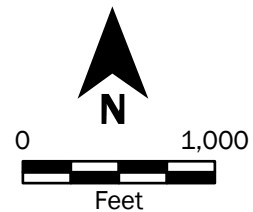
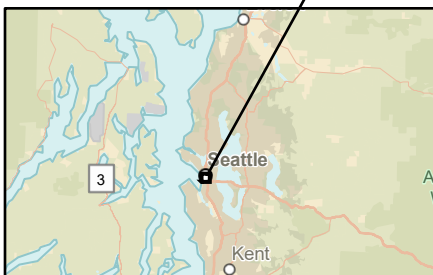
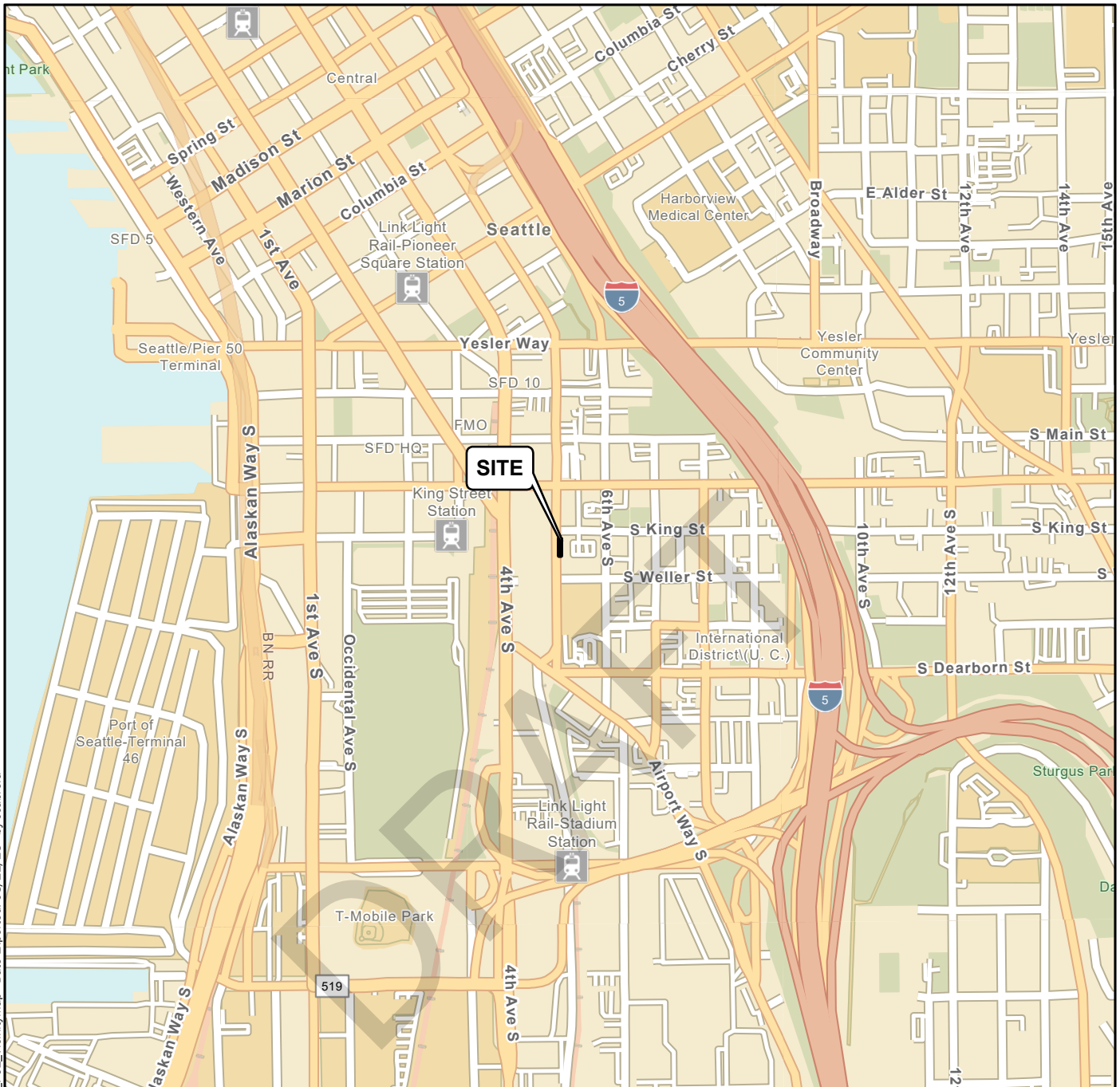
Figure 3. Typical Cross Section

Figure 4. Slope Stability Analysis

One copy submitted electronically

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.





### Vicinity Map

Geotechnical Engineering Services  
Publix Sidewalk Repair  
Seattle, Washington



Figure 1

Source(s):  
• ESRI

Coordinate System: NAD 1983 UTM Zone 10N

**Disclaimer:** This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.





**Legend**

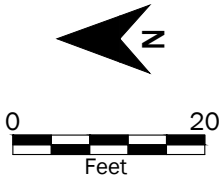
- GEI-1 Boring by GeoEngineers, Inc., 2006
- B-1 Boring by Hart Crowser, 1985

Source(s):

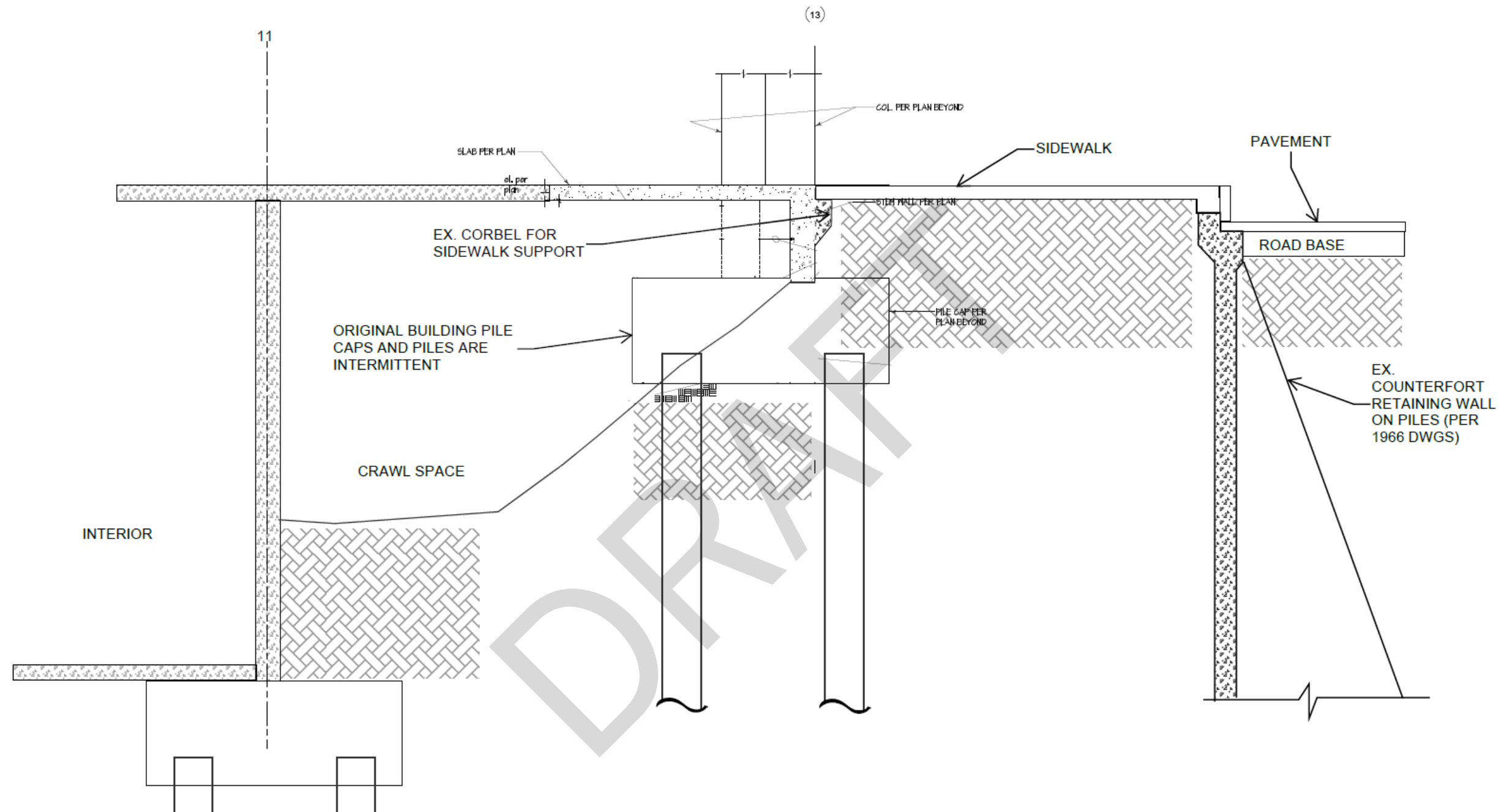
- Aerial from Google Earth Pro, dated 8/21/2022
- Proposed site features from Coughlin, Porter, & Lundeen, dated 6/19/23

Projection: WA State Plane, North Zone, NAD83, US Foot

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Site Plan	
Publix Sidewalk Repair Seattle, Washington	
GEOENGINEERS	Figure 2



Source(s): "30% Street Improvement Plan for 504 5<sup>th</sup> Ave S." drawing set, prepared by Coughlin Porter Lundeen for Seattle Department of Transportation, dated 6/19/2023

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Typical Cross Section

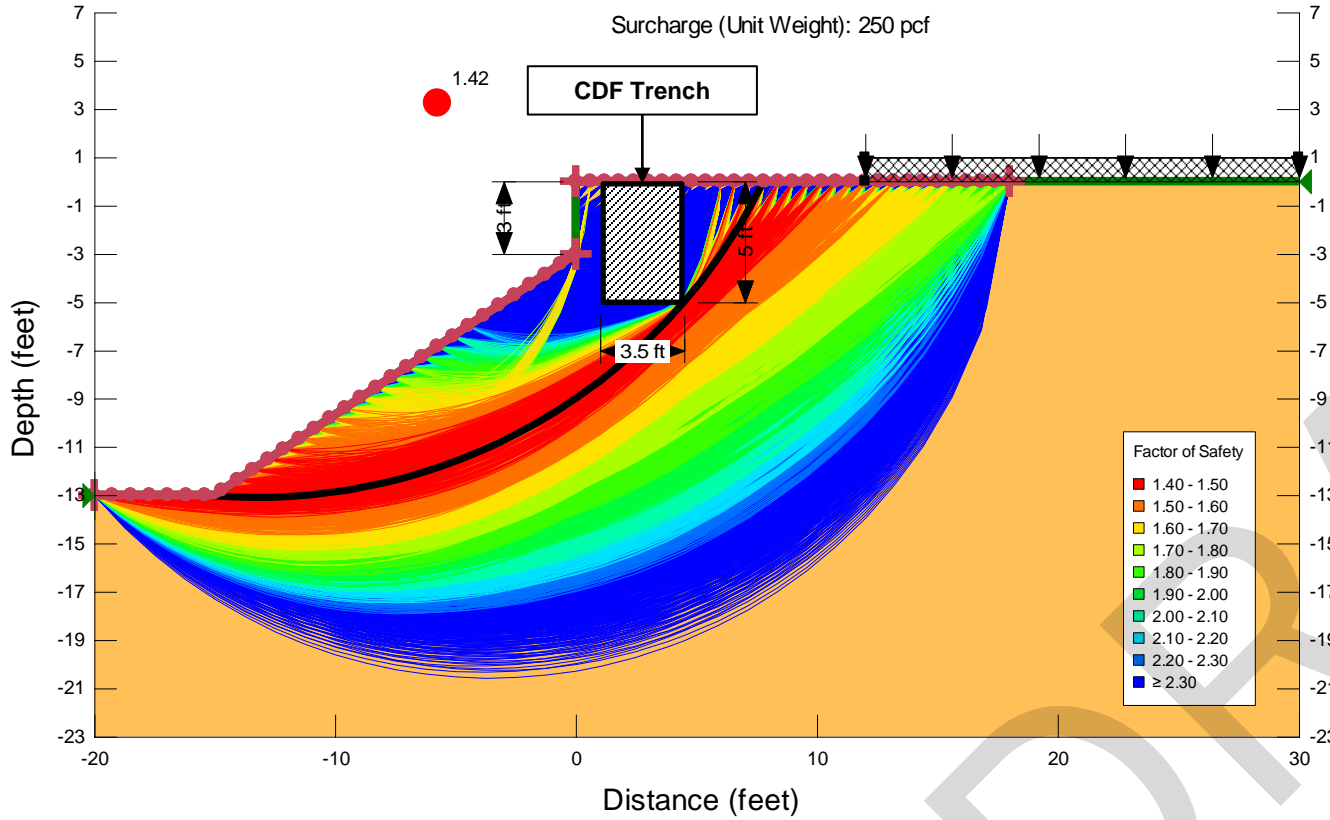
Publix Sidewalk Repair  
Seattle, Washington



Figure 3

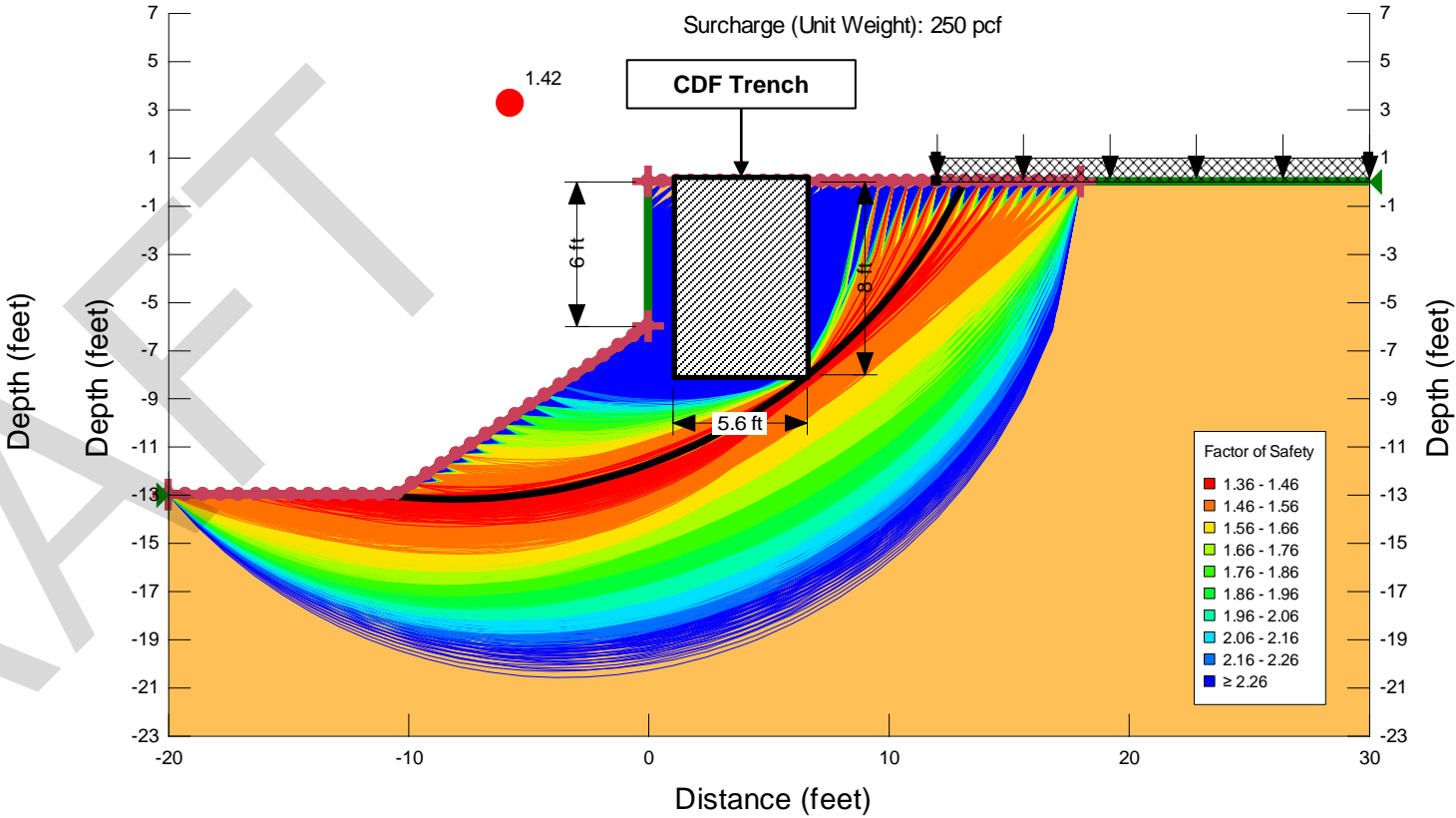


Color	Name	Unit Weight (pcf)	Effective Cohesion (psf)	Effective Friction Angle (°)	Total Cohesion (psf)
Light Green	CDF	150			7,200
Orange	Fill_2	115	50	32	



3-foot Sidewalk Support

Color	Name	Unit Weight (pcf)	Effective Cohesion (psf)	Effective Friction Angle (°)	Total Cohesion (psf)
Light Green	CDF	150			7,200
Orange	Fill_2	115	50	32	



6-foot Sidewalk Support

Slope Stability Analysis Results

Publix Sidewalk Repair  
Seattle, Washington



Figure 4

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