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ADDENDUM 02

Project Name: South King Fire Administrative Building Improvements
Owner: South King Fire
Issued by: Lauren Rock, Weinstein A+U
Issue Date: August 7, 2025

To All Bidders: Attention is called to the following items effective August 7, 2025, which shall be added to, deleted from, or changed from the Contract Documents, thereby incorporating the addendum as part of the Contract Documents.

Attachments:

Sheets:
C1.1 TESC and Demolition Plans-R01
C1.3 TESC and Demolition Plan—R01
C2.1 Paving and Grading Plan-R01
C2.3 Paving and Grading Plan-R01
C2.4 Paving and Grading Details-R01
C3.1 Water Plan-R01
A001 Site Plan-R01
A002 Entry Ramp-R01

Specifications:
26 27 26 Wiring Devices-R01

Approved Substitution Requests:
26 51 00 Interior Lighting – SeaTac Lighting

Drawing Items (changes have been clouded)

C1.1	Changed limits of asphalt removal to match Paving Plans.
C1.3	Added pavement removal for electrical trench and electrical routing.
C2.1	Changed paving hatches for clarity.
C2.3	Added pavement removal for electrical trench and electrical routing. Added electrical conduit trench. Added wheel stops.
C2.4	Added pavement removal for electrical trench and electrical routing. Added electrical conduit trench. Added wheel stops. Added CSTC as a subgrade option to asphalt pavement detail.
C3.1	Added routing of fire water line.
A001	Indicated locations of shore power pedestals and wheel stops.
A002	Indicated locations of wheel stops.

Specification Items

26 27 26	Item 2.7A: Revised shore power pedestal and added a basis of design manufacturer and model.

Questions

01.	Question: Please provide a detail of how the shore power is to be mounted. Is this on a 4x4? Height? Answer: See revised specification section 26 27 26 2.7A.
02.	Question: The drawings show shore power in the sidewalk. Are we to demo the sidewalk and replace in order to install? Answer: See revised sheets C1.3 and C2.3.
03.	Question: Do there need to be wheel stops added to protect the shore power? Answer: See revised sheets C2.3 and C2.4 for wheel stop locations and detail.
04.	Question: Need a routing plan on how to get power to this location. Are we cutting and patching asphalt? If so, please provide a detail. Answer: See revised sheets C2.3 and C2.4.
05.	Question: Regarding the new 6” fire line water tap location, sheet C1.3 site demolition location for the new underground piping. Answer: Approximate plan limits for site demolition are shown in hatched area on C1.3.
06.	Question: Sheet 2.3 site underground piping location for the new fire line. Answer: Exact location of new fire water line to be means and methods, within plan limits shown on revised sheet C3.1. Piping to meet requirements of the AHJ.
07.	Sheet C3.1 location of the new fire line piping where it enters the building. Answer: See C3.1 and F100 for approximate location of new fire line piping. Exact point of entry to be coordinated on site during construction phase.
08.	Question: Sheet AD1B1 Note the new sprinkler room and the “No work this area “mechanical/storage room locations. Answer: Unclear what the question is.
09.	Question: Sheet A1B1 The “No work this area “mechanical/storage room is located at grid F to F.75 approximately. Answer: Unclear what the question is.
10.	Question: Sheet F100 shows the new sprinkler riser room and riser piping location with exterior underground fire line in conflict with the C drawings tap and piping locations. Answer: Approximate piping routing indicated on revised sheet C3.1. Exact point of entry to be coordinated on site during construction phase.

Substitution Requests

Note: Acceptance of Substitution Requests does not relieve the contractor from meeting any requirements of the bid document specifications. Submitted Substitution Request Forms are attached for reference.

01. The following manufacturers/products are approved as noted for 26 51 00 Interior Lighting:

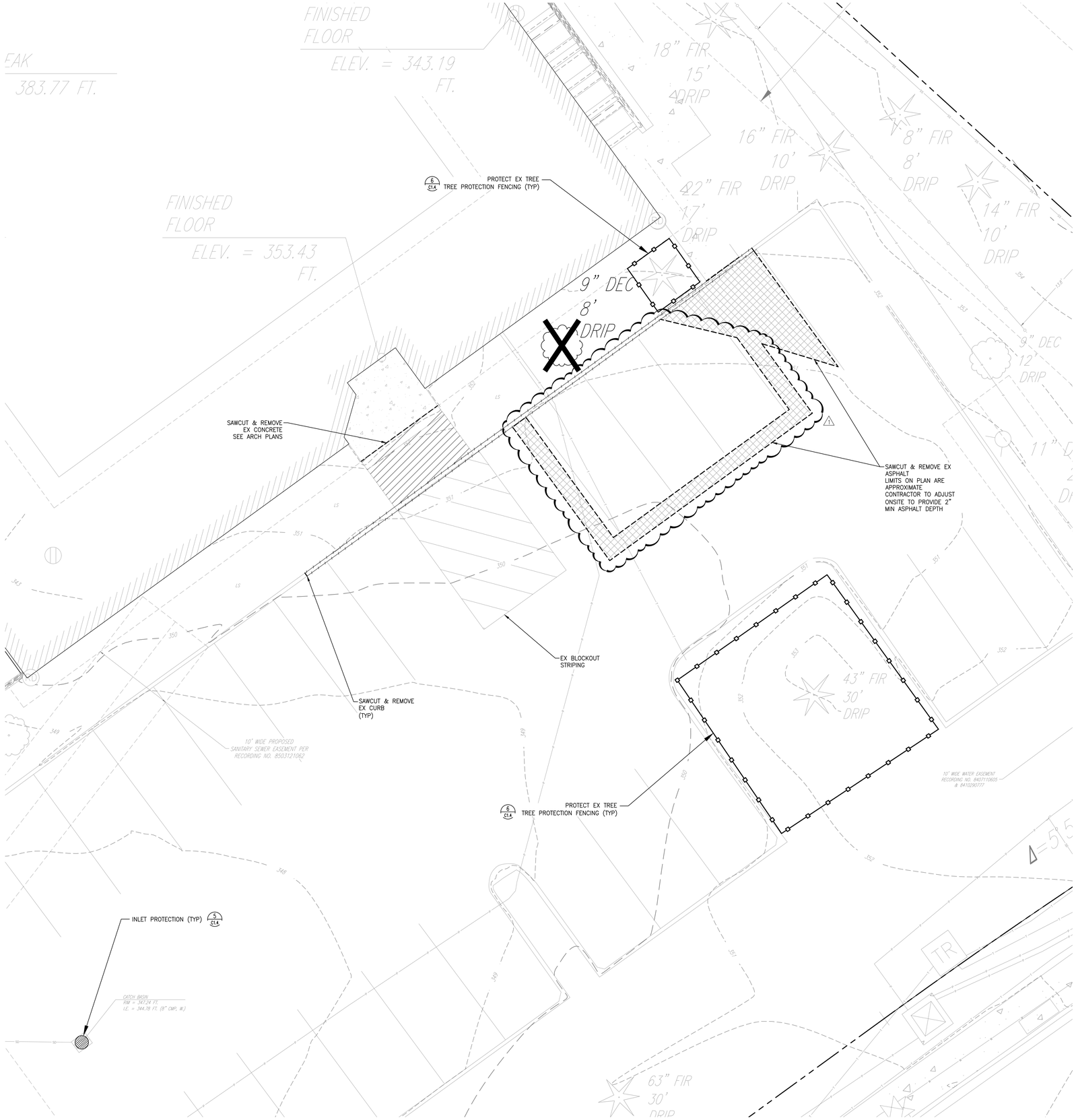
- SeaTac Lighting: Type B Option 2, Type UC, and Type WL-1 Option 1

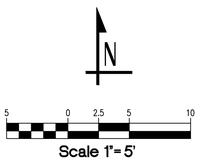
02. The following manufacturers were not reviewed for 09 84 33 Sound Absorbing Wall Panels and Movable Screens due to Substitution Request being submitted after deadline, per 00 11 13.

- Frasch!

End of Addendum 02.

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LEGEND

- PROPERTY LINE
- EX CONTOUR (INDEX)
- EX CONTOUR
- EX BUILDING
- SAWCUT LINE
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- COMPOST FILTER SOCK
- EX TREE TO REMAIN
- EX TREE TO BE REMOVED
- TREE PROTECTION
- EX CURB TO BE REMOVED
- INLET PROTECTION CATCH BASIN INSERT

Rev	Date	Issue
1	08/07/2025	ADD-02

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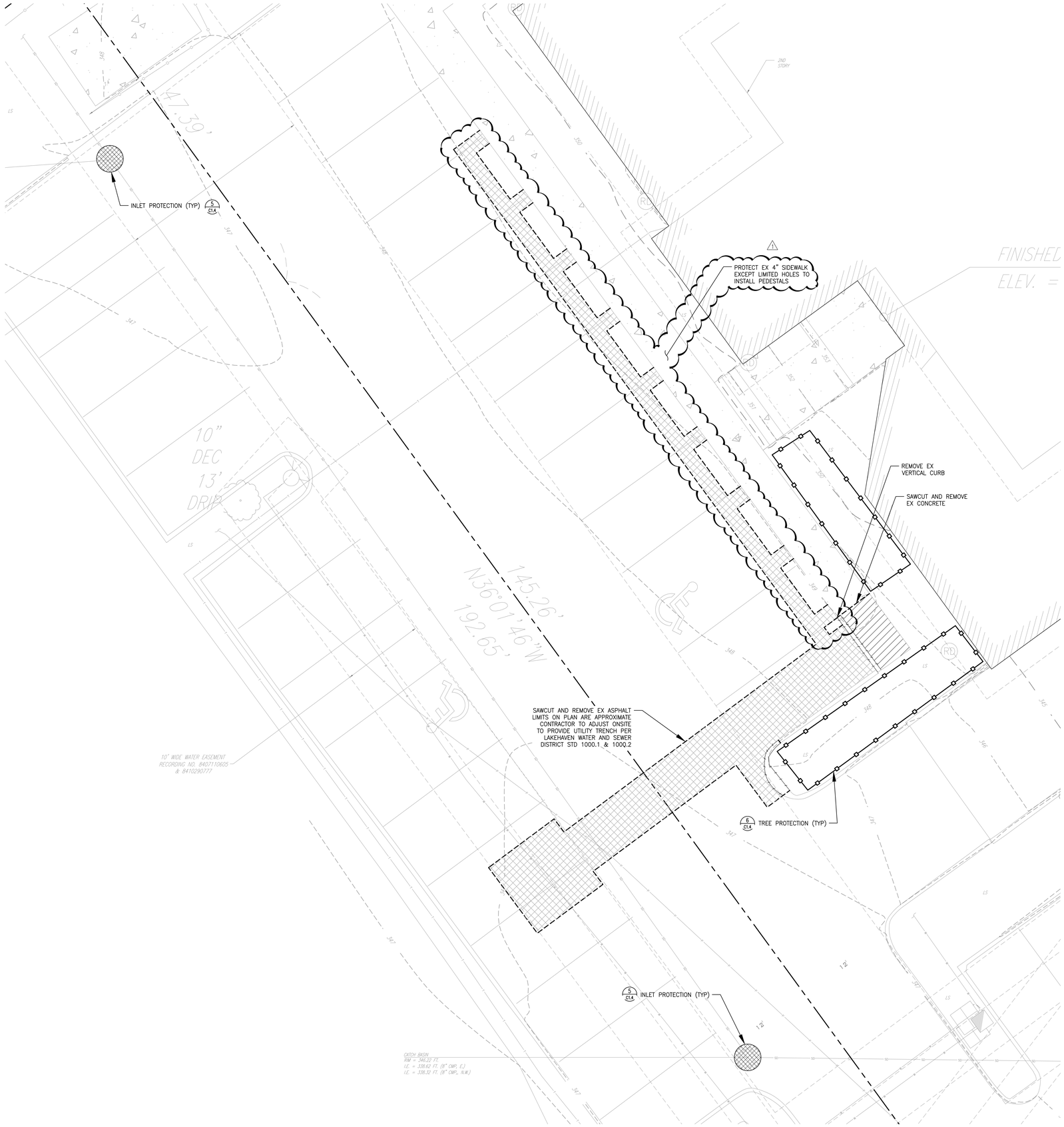
07-18-2025
Issue Date

TESC AND DEMOLITION PLAN
Sheet Title

C1.1

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N

5 0 2.5 5 10

Scale 1"= 5'

LEGEND

- PROPERTY LINE
- EX CONTOUR (INDEX)
- EX CONTOUR
- EX BUILDING
- CONCRETE REMOVAL
- SAWCUT LINE
- ASPHALT REMOVAL
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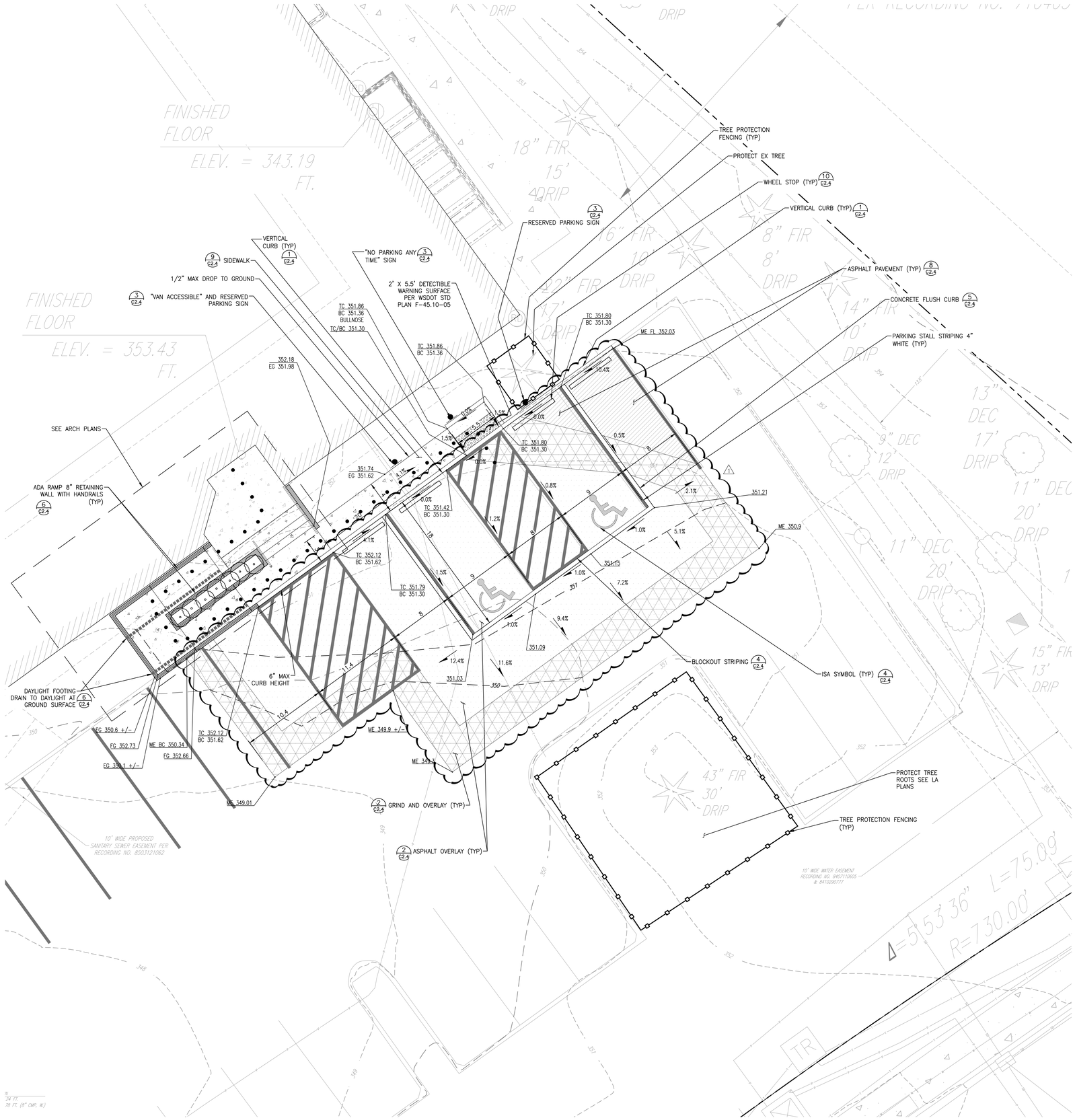
DEMO AND EROSION CONTROL
Sheet Title

C1.3

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N

5 0 2.5 5 10

Scale 1"= 5'

LEGEND

- PROPERTY LINE
- EX CONTOUR (INDEX)
- EX CONTOUR
- PROPOSED CONTOUR (INDEX)
- PROPOSED CONTOUR
- EX BUILDING
- CONCRETE PAVEMENT
- TACTILE WARNING STRIP
- ASPHALT (AC) PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- GRIND AND OVERLAY
- CONCRETE RETAINING WALL
- CURB AND GUTTER
- ACCESSIBLE ROUTE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- FG FINISHED GRADE

NOTE:
1. ADA PARKING STALL MAX SLOPE IS 2% IN ANY DIRECTION
2. INSTALL FLUSH CURB AHEAD OF PAVING AND CONFIRM SLOPES BY SURVEY AND JHA PRIOR TO PAVING

DRAINAGE AREA SUMMARY

DESCRIPTION	AREA (SF)	NOTE
NEW AND REPLACED IMPERVIOUS SURFACE	575	LESS THAN 2,000 SF; PROJECT NOT SUBJECT TO DRAINAGE REVIEW
PAVEMENT OVERLAY	1,552	OVERLAY IS NOT CONSIDERED A NEW OR REPLACED SURFACE

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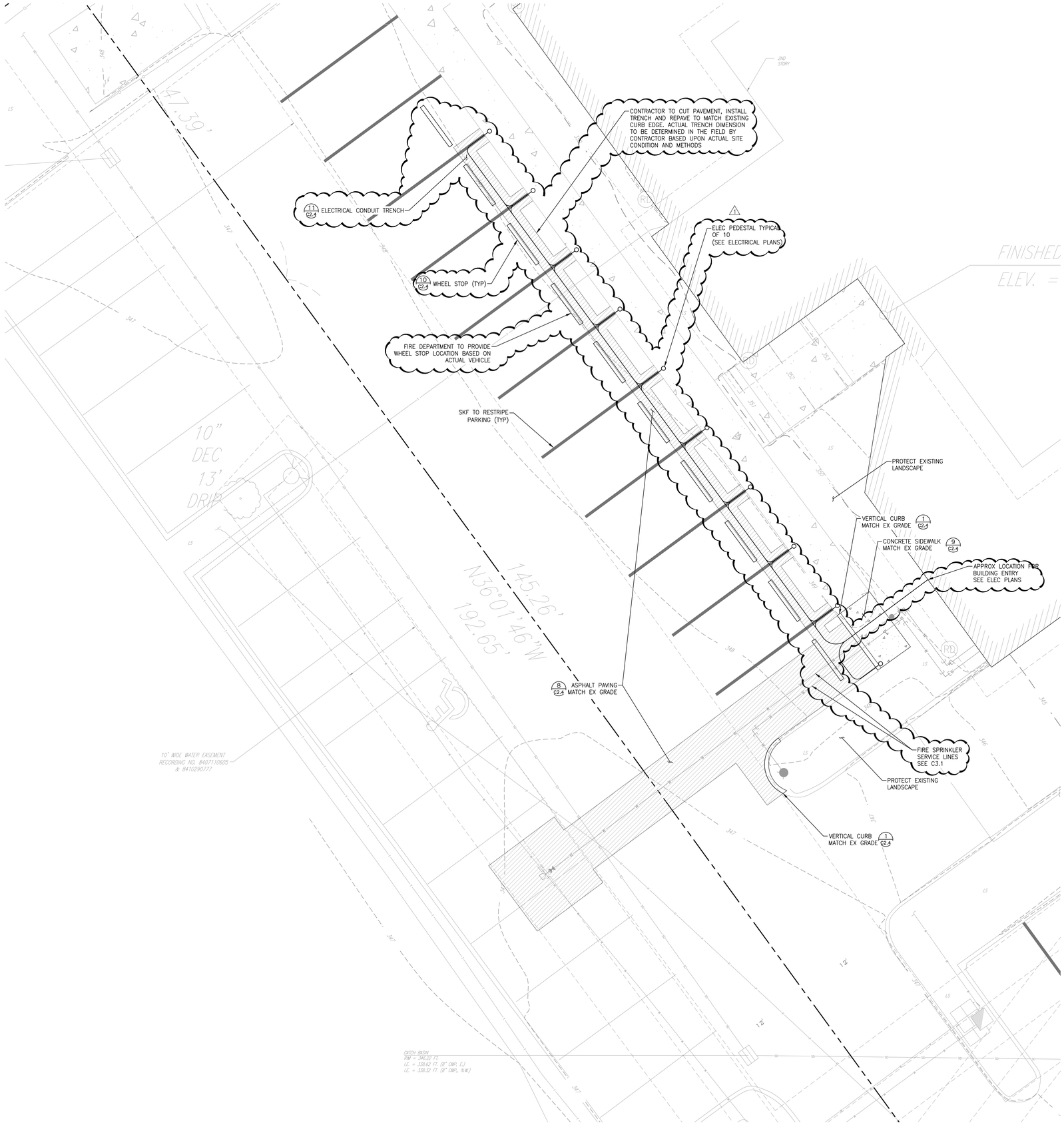
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PAVING AND GRADING PLAN
Sheet Title

C2.1

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N

5 0 2.5 5 10

Scale 1"= 5'

LEGEND

- PROPERTY LINE
- 230 EX CONTOUR (INDEX)
- 231 EX CONTOUR
- 230 PROPOSED CONTOUR (INDEX)
- 231 PROPOSED CONTOUR
- EX BUILDING
- CONCRETE PAVEMENT
- ASPHALT (AC) PAVEMENT
- DRAINAGE SWALE
- FG FINISHED GRADE

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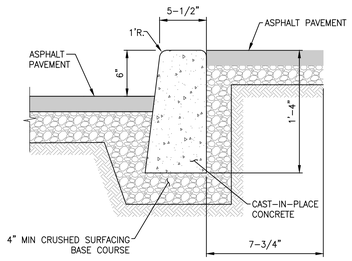
PAVING AND GRADING PLAN
Sheet Title

C2.3

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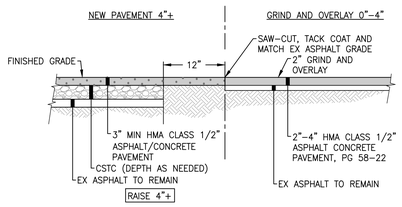
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1. PROVIDE EXPANSION JOINTS AT MAX 15' OC.

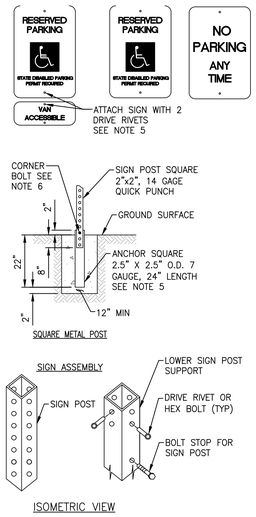
NTS **VERTICAL CURB** 1



NOTES:

1. PLACE ASPHALT IN ACCORDANCE WITH WSDOT APWA SECTION 5–04.
2. PROOF ROLL AND REMOVE ANY SOFT SPOTS. REPLACE REMOVED MATERIAL WITH GRAVEL BORROW. CONTRACTOR SHALL TEST AND VERIFY SUBGRADE MEETS COMPACTION REQUIREMENTS PRIOR TO PAVING.

NTS **ASPHALT OVERLAY** 2



EACH PARKING SPACE RESERVED FOR PERSONS WITH PHYSICAL DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND SHALL BE CENTERED ON AND JUST BEYOND THE FRONT EDGE OF THE PARKING STALL. SIGNS MAY ALSO BE HUNG ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE. SIGN MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE PARKING SPACE FINISHED GRADE.

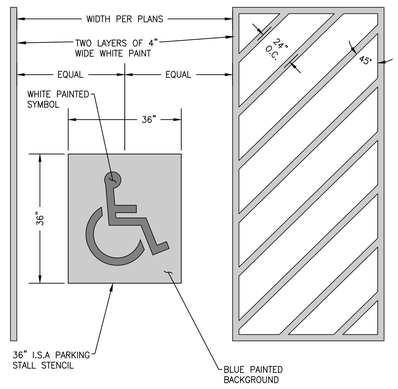
AN ADDITIONAL SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF–STREET PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17 INCHES BY 22 INCHES IN SIZE WITH LETTERING NOT LESS THAN 1 INCH IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING:

"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED DISABLED PARKING SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PHYSICALLY DISABLED PERSONS MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR _____ OR BY TELEPHONING _____."

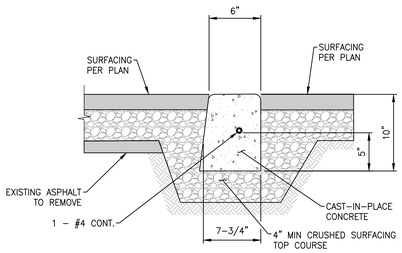
METAL POST NOTES:

1. METAL POSTS SHALL BE TELESPAR QUICK PUNCH POST.
2. FOR IN–SIDEWALK INSTALLATIONS, CORE 4" DIAM. HOLE. ANCHOR LENGTH MAY BE DECREASED TO 12".
3. POST SHALL BE ROLLED CARBON SHEET STEEL, ASTM A570 GRADE 50 AND BE HOT DIPPED GALVANIZED AASHTO M–120 YIELD STRENGTH 60,000 PSI MIN. POST SHALL HAVE 7/16" DIE–PUNCHED KNOCKOUTS ON 1" CENTERS FULL LENGTH, FOUR SIDES.
4. ANCHOR SHALL HAVE 4 7/16" HOLES ONE EACH SIDE 2" FROM TOP END. FINISH SHALL BE ZINC HOT DIPPED GALVANIZED MATERIAL TO MEET ASTM A500 GRADE B.
5. DRIVE RIVETS TO BE TL3806 3/8" DIA.
6. CORNER BOLTS TO BE TLCB516M.

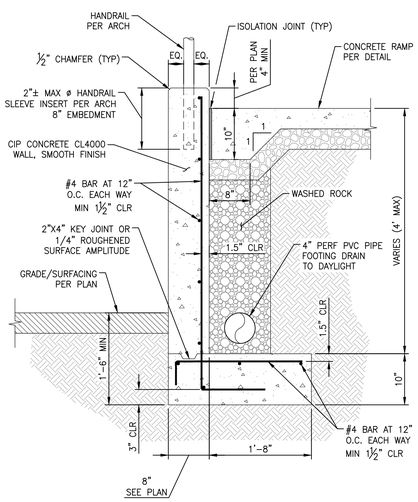
NTS **PARKING STALL SIGN** 3



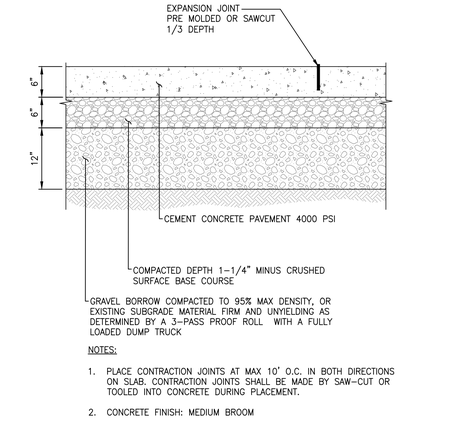
NTS **ISA SYMBOL (PAINTED WHITE & BLOCKOUT STRIPING** 4



NTS **FLUSH CURB** 5



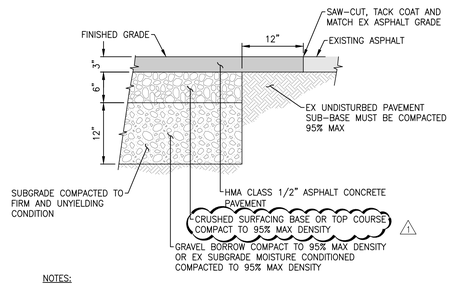
NTS **ADA RAMP RETAINING WALL (OPTION A)** 6



NOTES:

1. PLACE CONTRACTION JOINTS AT MAX 10' O.C. IN BOTH DIRECTIONS ON SLAB. CONTRACTION JOINTS SHALL BE MADE BY SAW–CUT OR TOOLED INTO CONCRETE DURING PLACEMENT.
2. CONCRETE FINISH: MEDIUM BROOM

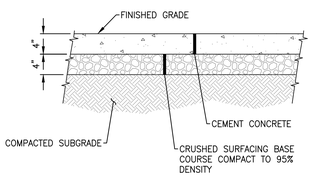
NTS **CONCRETE PAVEMENT** 7



NOTES:

1. IF EX PAVEMENT SECTION IS THICKER, MATCH EX SECTION. OTHERWISE CONSTRUCT SECTION SHOWN.
2. SAWCUT FULL DEPTH WHERE NEW PAVEMENT ABUTS EXISTING AND APPLY TACK COAT.
3. PLACE HMA IN ACCORDANCE WITH WSDOT APWA SECTION 5–04.
4. PROOF ROLL AND REMOVE ANY SOFT SPOTS. REPLACE REMOVED MATERIAL WITH GRAVEL BORROW. CONTRACTOR SHALL TEST AND VERIFY SUBGRADE MEETS COMPACTION REQUIREMENTS PRIOR TO PAVING.

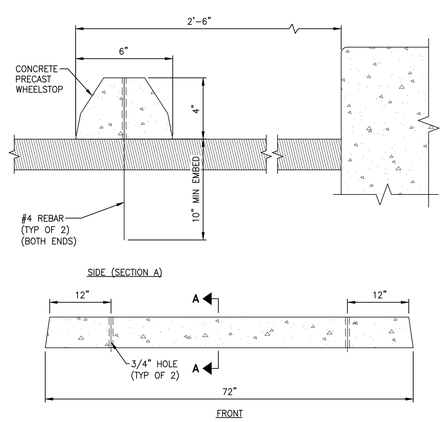
NTS **ASPHALT PAVEMENT** 8



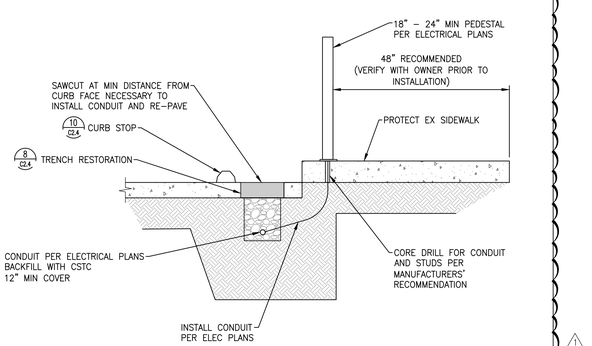
NOTE:

1. MINIMUM CONCRETE 3000 P.S.I..
2. PLACE EXPANSION JOINTS @ 10' O.C. TYPICAL ON WALKWAY PATHS UNLESS OTHERWISE NOTED ON ARCHITECTURAL OR LANDSCAPE ARCHITECTURAL DRAWINGS.
3. PLACE CONTRACTION JOINTS @ 5' O.C. TYPICAL ON WALKWAY PATHS UNLESS OTHERWISE NOTED ON ARCHITECTURAL OR LANDSCAPE ARCHITECTURAL DRAWINGS.
4. IF WALKWAY PATH IS OVER 7' WIDE, PLACE LONGITUDINAL CONTRACTION JOINT. AT CENTER OF PATH UNLESS OTHERWISE NOTED IN ARCHITECTURAL OR LANDSCAPE ARCHITECTURAL DRAWINGS.
5. WHERE MEETING OR MATCHING EXISTING WALKWAY PATH. START NEW WALKWAY AT EXISTING JOINT. MATCH EXISTING SCORING PATTERN & CONCRETE FINISH.
6. FOR PLAZA CONCRETE, PLACE CONTRACTION JOINTS AT A MAXIMUM SPACING OF 12' O.C. AND A MAXIMUM LENGTH TO WIDTH RATIO 1.25' UNLESS OTHERWISE NOTED ON ARCHITECTURAL OR LANDSCAPE ARCHITECTURAL DRAWINGS.
7. COLOR AND FINISH PER ARCHITECTURAL OR LANDSCAPE ARCHITECTURAL DRAWINGS.

NTS **SIDEWALK** 9



NTS **WHEEL STOP** 10



NTS **ELECTRICAL CONDUIT TRENCH** 11

NTS **NOT USED** 12

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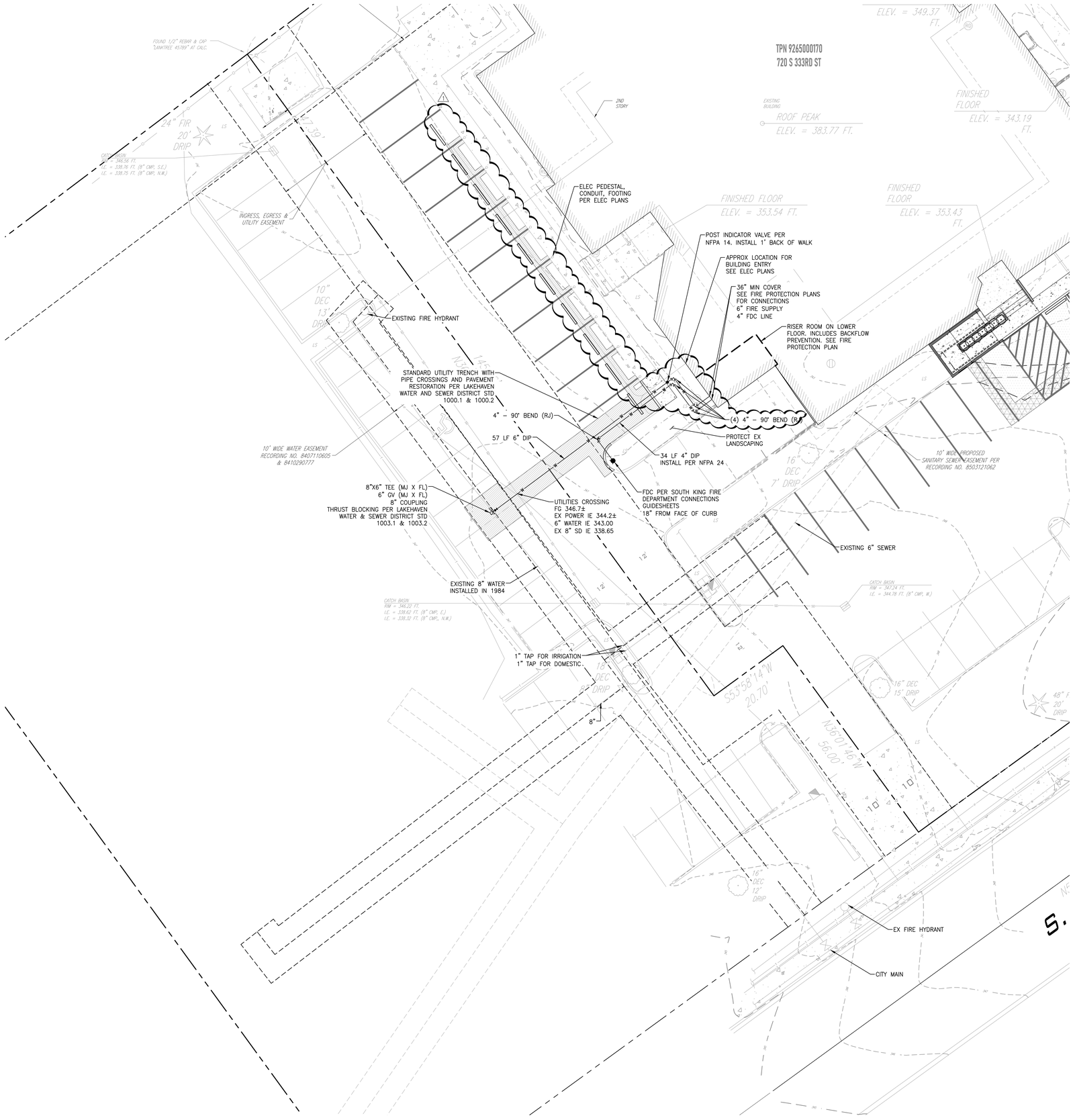
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PAVING AND GRADING DETAILS
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C2.4

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LEGEND

- PROPERTY LINE
- EX CONTOUR (INDEX)
- EX CONTOUR
- PROPOSED CONTOUR (INDEX)
- PROPOSED CONTOUR
- EX BUILDING
- CONCRETE PAVEMENT
- ASPHALT (AC) PAVEMENT
- DRAINAGE SWALE
- FG FINISHED GRADE
- FIRE HYDRANT
- WATER FITTINGS
- WATER SERVICE LINES
- WATER METER
- WATER SERVICE LINES
- FIRE SERVICE LINE
- FIRE SERVICE VAULT
- FIRE SERVICE CONNECTION

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH LAKEHAVEN CONSTRUCTION GENERAL NOTES AND WATER UTILITY GENERAL CONSTRUCTION NOTES. SEE SHEET C3.2

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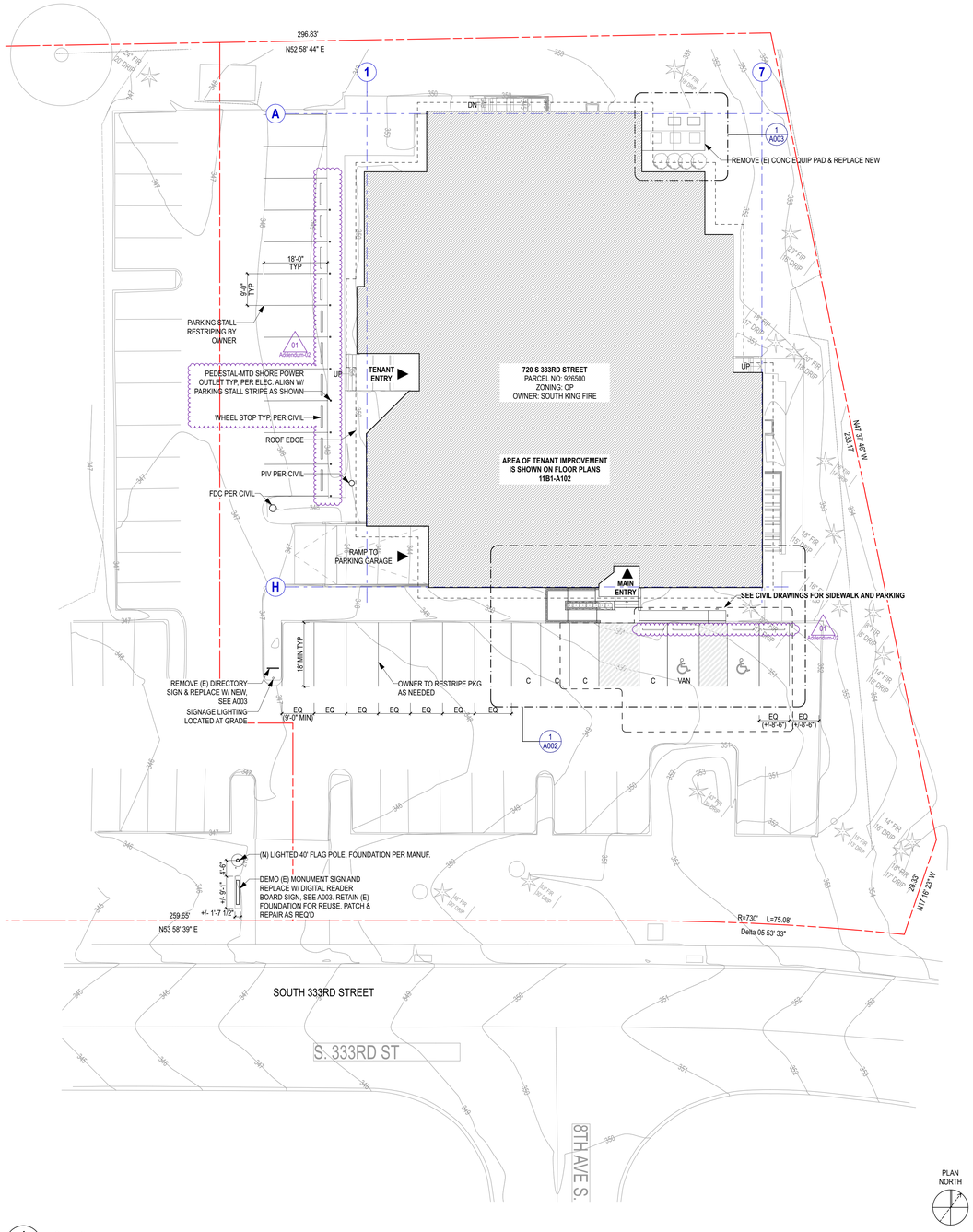
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Issue Date

WATER PLAN
Sheet Title

C3.1

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1 A001 **SITE PLAN**

SCALE: 1/16" = 1'-0"

GENERAL SITE PLAN NOTES

1. ALL WORK IN THE RIGHT OF WAY SHOULD BE UNDER SEPARATE STREET IMPROVEMENT PERMIT
2. FOR LIST OF ABBREVIATIONS, SEE COVER SHEET **G001**
3. FOR PARCEL LEGAL DESCRIPTIONS, VICINITY MAP AND OWNER INFORMATION, REFER TO **G001**
4. FOR LAND USE INFORMATION, REFER TO **G001**

No.	Date	Reference
01	8/7/25	Addendum-02

CONSULTANT'S LOGO

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS

720 S 333rd Street
Federal Way, WA 98003

24022
Project #

Weinstein A+U
2200 Western Avenue, Suite 301
Seattle, WA 98121
206.443.8606
www.weinsteinau.com

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JURISDICTIONAL APPROVAL STAMP

3300 REGISTERED ARCHITECT
EDWARD WEINSTEIN
State of Washington

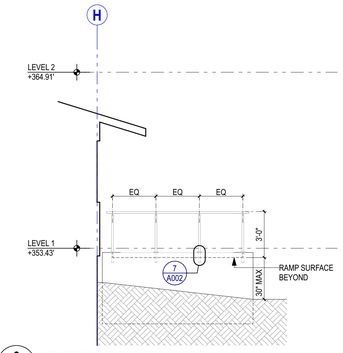
BID SET
Issue

07/18/25
Issue Date

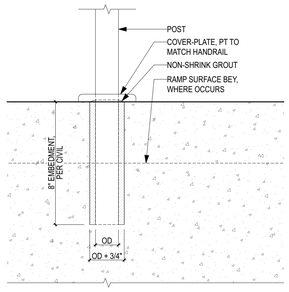
SITE PLAN
Sheet Title

A001

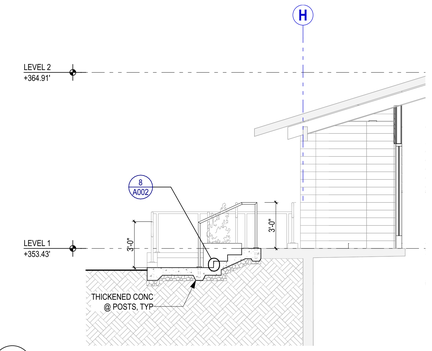
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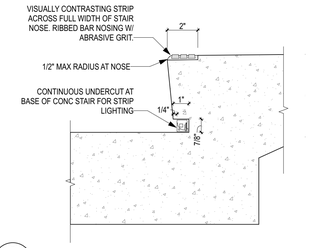
6 A002 ENTRY RAMP ELEVATION - WEST
SCALE: 1/4" = 1'-0"



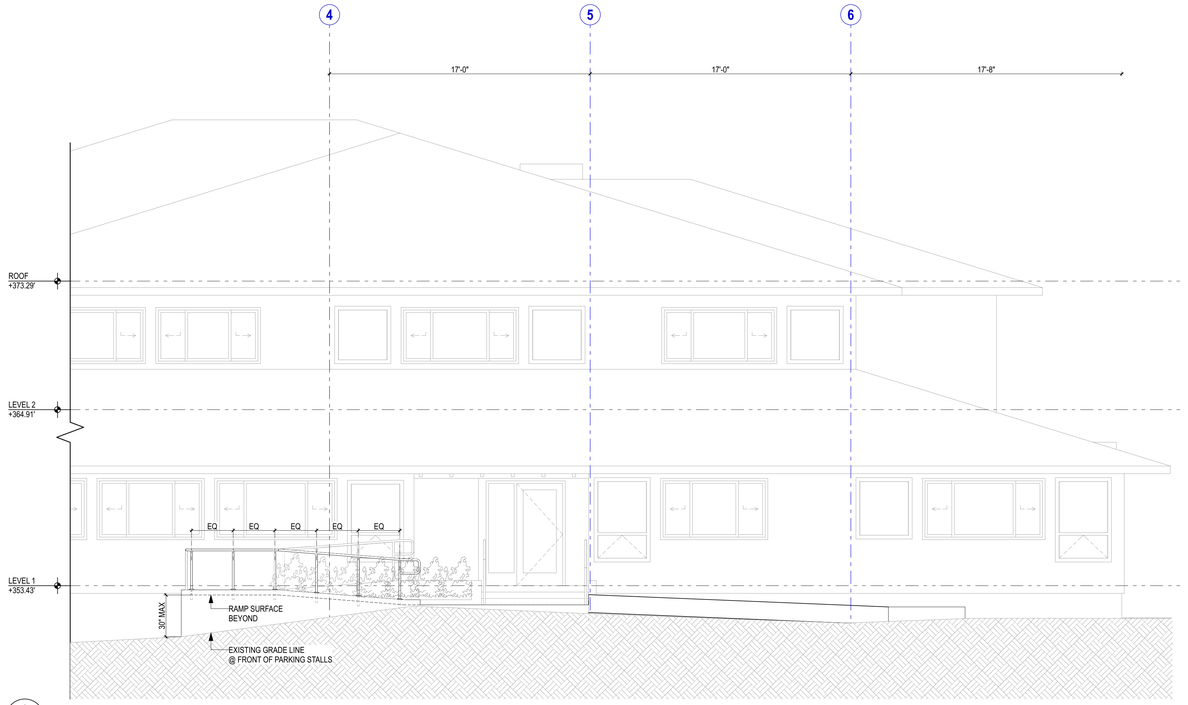
7 A002 HANDRAIL AT ENTRY RAMP - SECTION DETAIL
SCALE: 3" = 1'-0"



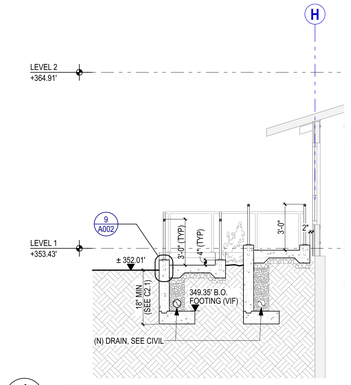
5 A002 SECTION AT EXTERIOR RAMP & STAIR N/S
SCALE: 1/4" = 1'-0"



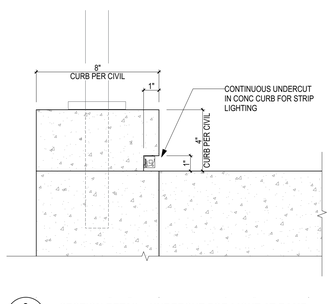
8 A002 SECTION DETAIL - UNDERCUT FOR LIGHT AT STAIR
SCALE: 3" = 1'-0"



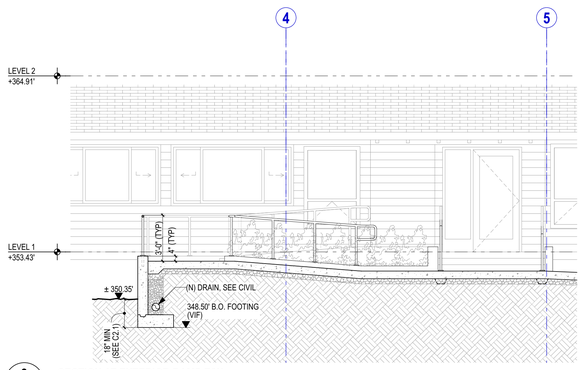
2 A002 ENTRY RAMP ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



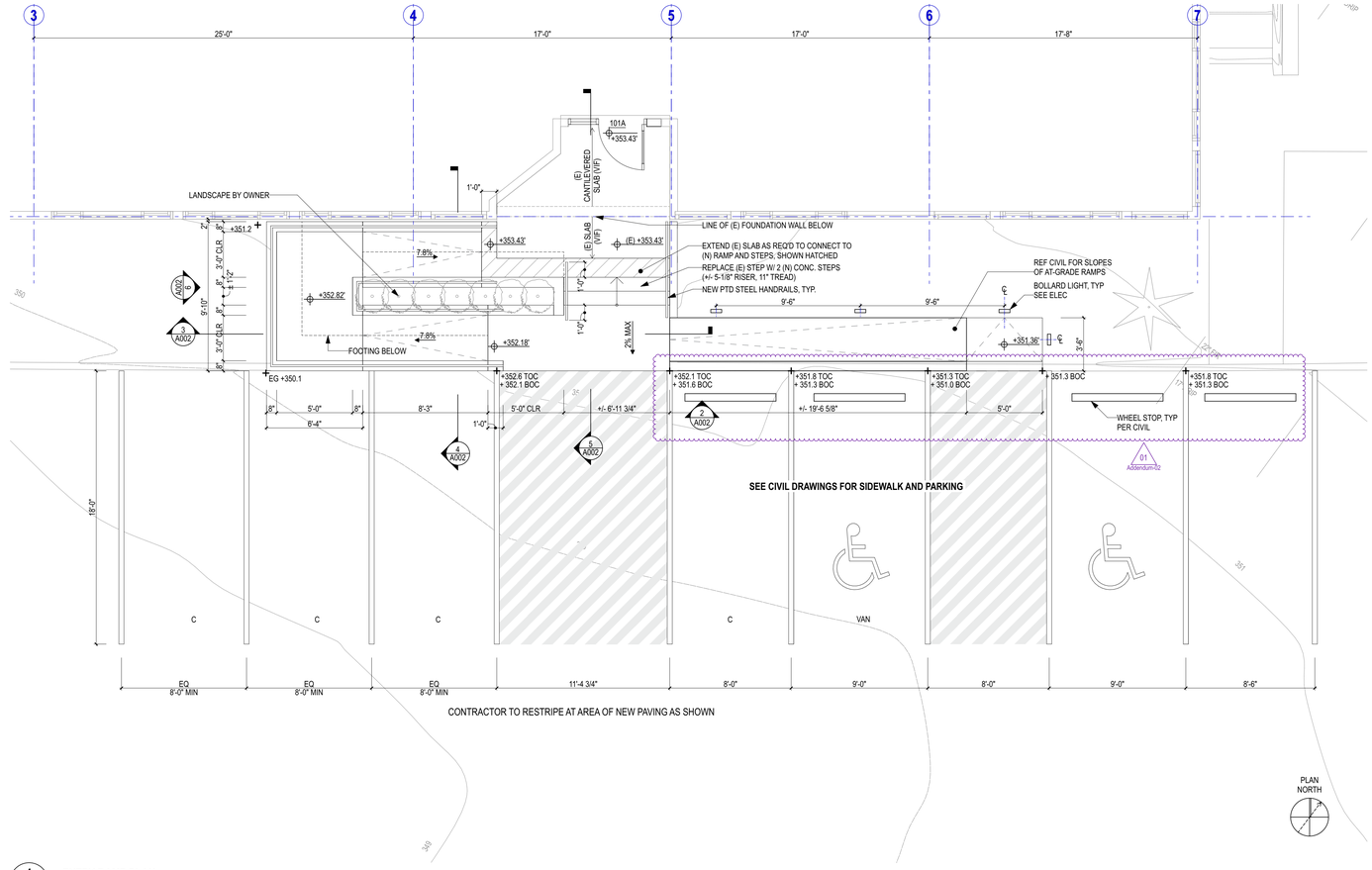
4 A002 SECTION AT EXTERIOR RAMP N/S
SCALE: 1/4" = 1'-0"



9 A002 SECTION DETAIL - UNDERCUT FOR LIGHT AT RAMP
SCALE: 3" = 1'-0"



3 A002 SECTION AT EXTERIOR RAMP E/W
SCALE: 1/4" = 1'-0"



1 A002 ENTRY RAMP PLAN
SCALE: 1/4" = 1'-0"

No.	Date	Reference
01	8/7/25	Addendum-02

CONSULTANT'S LOGO

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS
720 S 333rd Street
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24022
Project #

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JURISDICTIONAL APPROVAL STAMP

3300 REGISTERED ARCHITECT
EDWARD WEINSTEIN
State of Washington

BID SET
Issue

07/18/25
Issue Date

ENTRY RAMP
Sheet Title

A002

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206.443.8606

SECTION 26 27 26 – WIRING DEVICES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
   1. Receptacles, receptacles with integral GFCI, and associated device plates.
   2. Twist-locking receptacles.
   3. Switches and wall-box dimmers.
   4. Floorboxes and multioutlet assemblies.

1.2 DEFINITIONS

A. EMI: Electromagnetic interference.

B. GFCI: Ground-fault circuit interrupter.

C. Pigtail: Short lead used to connect a device to a branch-circuit conductor.

D. RFI: Radio-frequency interference.

E. TVSS: Transient voltage surge suppressor.

F. UTP: Unshielded twisted pair.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: List of legends and description of materials and process used for premarking wall plates.

C. Samples: One for each type of device and wall plate specified, in each color specified.

D. Field quality-control test reports.

E. Operation and Maintenance Data: For wiring devices to include in all manufacturers' packing label warnings and instruction manuals that include labeling conditions. See Section 017700 for additional requirements.

F. See Section 013000 for additional requirements.

1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of wiring device and associated wall plate through one source from a single manufacturer. Insofar as they are available, obtain all wiring devices and associated wall plates from a single manufacturer and one source.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

C. Comply with NFPA 70.

1.5 COORDINATION

A. Receptacles for Owner-Furnished Equipment: Match plug configurations.
   1. Cord and Plug Sets: Match equipment requirements.

1.6 EXTRA MATERIALS

A. Furnish extra materials described in subparagraphs below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Provide ten duplex receptacles, 4 switches, and 4 GFCI receptacles each with fifty feet 3/4-inch EMT-5#12 and four elbows each. All installed at location directed by owner. If not used during construction turn over to owner at end of project. Provide accounting of use of extra materials.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers' Names: Shortened versions (shown in parentheses) of the following manufacturers' names are used in other Part 2 articles:
   1. Cooper Wiring Devices; a division of Cooper Industries, Inc. (Cooper).
   2. Hubbell Incorporated; Wiring Device-Kellems (Hubbell).
   3. Leviton Mfg. Company Inc. (Leviton).
   4. Pass & Seymour/Legrand; Wiring Devices & Accessories (Pass & Seymour).

B. All wiring devices shall be white color. If more than one white option is offered by a manufacturer in a given product, architect shall be presented with options in order to choose the preferred option.

2.2 STRAIGHT BLADE RECEPTACLES

A. Convenience Receptacles, 125 V, 20 A: Comply with NEMA WD 1, NEMA WD 6 configuration 5-20R, and UL 498.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Cooper; 5351 (single), 5352 (duplex).
      b. Hubbell; HBL5351 (single), CR5352 (duplex).
      c. Leviton; 5891 (single), 5352 (duplex).
      d. Pass & Seymour; 5381 (single), 5352 (duplex).

2.3 CONTROLLED RECEPTACLES

A. Controlled receptacle, 20A, 125V dual controlled duplex receptacle with controlled marking printed on both face of duplex outlet. Pass and Seymour/Legrand or approved equal.

2.4 GFCI RECEPTACLES

A. All exterior receptacles, receptacles within 10 feet of sinks and mop sinks shall be GFCI type whether indicated on drawings or not.

B. For exterior receptacles, provide die cast aluminum weatherproof while in use cover. Bell #5881-0 or equal.

C. General Description: Straight blade. Comply with NEMA WD 1, NEMA WD 6, UL 498, and UL 943, Class A, and include indicator light that is lighted when device is tripped.

D. Duplex GFCI Convenience Receptacles, 125 V, 20 A:
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Cooper; GF20.
      b. Pass & Seymour; 2084.

E. Range Receptacles: NEMA 14-50R

F. Dryer Receptacles: NEMA 14-30R

2.5 SWITCHES

A. Comply with NEMA WD 1 and UL 20.

B. Switches, 120/277 V, 20 A:
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Cooper; 2221 (single pole), 2222 (two pole), 2223 (three way), 2224 (four way).
      b. Hubbell; CS1221 (single pole), CS1222 (two pole), CS1223 (three way), CS1224 (four way).
      c. Leviton; 1221-2 (single pole), 1222-2 (two pole), 1223-2 (three way), 1224-2 (four way).
      d. Pass & Seymour; 20AC1 (single pole), 20AC2 (two pole), 20AC3 (three way), 20AC4 (four way).

2.6 WALL PLATES

A. Single and combination types to match corresponding wiring devices, stainless steel.
   1. Plate-Securing Screws: Metal with head color to match plate finish.
   2. Material for Damp Locations: Cast aluminum with spring-loaded lift cover and listed and labeled for use in "wet locations."

B. Wet-Location, Weatherproof Cover Plates: NEMA 250, complying with type 3R weather-resistant, die-cast aluminum while in use with lockable cover.
   1. Hubbell #WP26

ADD-02

2.7 SHORE POWER RECEPTACLES

A. Shore Power Pedestal: Legrand XPP1G30C or equal. 30” high metal pedestal bolted to concrete base. Hinged cover. 20 amp GFCI receptacle with weatherproof while in use cover.

2.8 ELECTRIC VEHICLE CHARGING STATION

A. Dual port Level 2 charging station. Chargepoint #CT4000 Series.

B. 208V, single phase. 30A input current.

C. 6’ cable. SAEJ1772 connector. Bollard mount.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with NECA 1, including the mounting heights listed in that standard, unless otherwise noted.

B. Coordination with Other Trades:
   1. Take steps to insure that devices and their boxes are protected. Do not place wall finish materials over device boxes and do not cut holes for boxes with routers that are guided by riding against outside of the boxes.
   2. Keep outlet boxes free of plaster, drywall joint compound, mortar, cement, concrete, dust, paint, and other material that may contaminate the raceway system, conductors, and cables.
   3. Install device boxes in brick or block walls so that the cover plate does not cross a joint unless the joint is troweled flush with the face of the wall.
   4. Install wiring devices after all wall preparation, including painting, is complete.

C. Conductors:
   1. Do not strip insulation from conductors until just before they are spliced or terminated on devices.
   2. Strip insulation evenly around the conductor using tools designed for the purpose. Avoid scoring or nicking of solid wire or cutting strands from stranded wire.
   3. The length of free conductors at outlets for devices shall meet provisions of NFPA 70, Article 300, without pigtails.
   4. Existing Conductors:
      a. Cut back and pigtail, or replace all damaged conductors.
      b. Straighten conductors that remain and remove corrosion and foreign matter.
      c. Pigtailing existing conductors is permitted provided the outlet box is large enough.

D. Device Installation:

1. Replace all devices that have been in temporary use during construction or that show signs that they were installed before building finishing operations were complete.
2. Keep each wiring device in its package or otherwise protected until it is time to connect conductors.
3. Do not remove surface protection, such as plastic film and smudge covers, until the last possible moment.
4. Connect devices to branch circuits using pigtails that are not less than 6 inches in length.
5. When there is a choice, use side wiring with binding-head screw terminals. Wrap solid conductor tightly clockwise, 2/3 to 3/4 of the way around terminal screw.
6. Use a torque screwdriver when a torque is recommended or required by the manufacturer.
7. When conductors larger than No. 12 AWG are installed on 15- or 20-A circuits, splice No. 12 AWG pigtails for device connections.
8. Tighten unused terminal screws on the device.
9. When mounting into metal boxes, remove the fiber or plastic washers used to hold device mounting screws in yokes, allowing metal-to-metal contact.
10. Install double duplex, four-plex, and multiple switch locations under common plate.

E. Device Plates: Do not use oversized or extra-deep plates. Repair wall finishes and remount outlet boxes when standard device plates do not fit flush or do not cover rough wall opening.

F. Dimmers:
1. Install dimmers within terms of their listing.
2. Verify that dimmers used for fan speed control are listed for that application.
3. Install unshared neutral conductors on line and load side of dimmers according to manufacturers' device listing conditions in the written instructions.

G. Arrangement of Devices: Unless otherwise indicated, mount flush, with long dimension vertical and with grounding terminal of receptacles on top. Group adjacent switches under single, multigang wall plates. Coordinate with architectural plans as shown for location prior to rough-in.

3.2 FIELD QUALITY CONTROL

A. Perform tests and inspections and prepare test reports.
1. In healthcare facilities, prepare reports that comply with recommendations in NFPA 99.
2. Test Instruments: Use instruments that comply with UL 1436.
3. Test Instrument for Convenience Receptacles: Digital wiring analyzer with digital readout or illuminated LED indicators of measurement.

B. Tests for Convenience Receptacles:
1. Line Voltage: Acceptable range is 105 to 132 V.
2. Percent Voltage Drop under 15-A Load: A value of 6 percent or higher is not acceptable.
3. Ground Impedance: Values of up to 2 ohms are acceptable.
4. GFCI Trip: Test for tripping values specified in UL 1436 and UL 943.
5. Using the test plug, verify that the device and its outlet box are securely mounted.
6. The tests shall be diagnostic, indicating damaged conductors, high resistance at the circuit breaker, poor connections, inadequate fault current path, defective devices, or similar problems. Correct circuit conditions, remove malfunctioning units and replace with new ones, and retest as specified above.

3.3 MOUNTING HEIGHTS

A. Refer to architectural elevations for mounting heights of all devices.

B. Where mounting height not indicated on architectural elevations, the default mounting heights for devices shall be as follows:
1. Light Switches – 48” on center AFF
2. Receptacles – 18” on center AFF
3. Above counter receptacles – in backsplash above counter
4. Comm outlets – 18” on center AFF

END OF SECTION 26 27 26

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

CSI

PROJECT:	South King County Fire Admin Building	**SUBSTITUTION REQUEST NUMBER:**	01
		FROM:	SeaTac Lighting & Controls
TO:	Weinstein A+U and TFWB Engineers	**DATE:**	7/29/2025
		A/E PROJECT NUMBER:	24022
RE:	Lighting Substitution Package	**CONTRACT FOR:**	

SPECIFICATION TITLE:	Electrical	**DESCRIPTION:**	Lighting
SECTION:	26 51 00	**PAGE:** All	**ARTICLE/PARAGRAPH:** All

PROPOSED SUBSTITUTUION: Please see attached substitution package

MANUFACTURER: **ADDRESS:** **PHONE:**

TRADE NAME: **MODEL NO.:**

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

SUBMITTED BY:	Chantha Sonn
SIGNED BY:	
FIRM:	SeaTac Lighting & Controls
ADDRESS:	15455 53rd Ave S| Tukwila, WA 98188
TELEPHONE:	(206) 575-6865

A/E's REVIEW AND RECOMMENDATION:

- ☐ Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- ☒ Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures. Type B (Option 2), Type UC, and Type WL-1 (Option 1) are approved
- ☐ Reject Substitution—Use specified materials.
- ☐ Substitution Request received too late—Use specified materials.

SIGNED BY: Kevin Wartelle (TFWB Engineers) **DATE:** 8/2/25

SUPPORTING DATA ATTACHED: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

Page ____ of ____

CSI Form 1.5C (August 2020 version)

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