



City of Tacoma

Public Works Engineering Department

ADDENDUM NO. 1

DATE: November 3, 2023

REVISIONS TO:

**Request for Bids Specification No. PW23-0219F
Streets Initiative Package #32A**

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE PLANS:

Revision #1

Add plan sheet 1-48 in its entirety labeled Addendum No.1.

REVISIONS TO THE PROPOSAL:

Revision #1

Replace the Bid Proposal with the Bid Proposal with the header Addendum No.1 (8 pages).

REVISIONS TO THE SPECIFICATIONS:

Revision #1

Remove all the sections of Division 7 and replace it with Division 7 labeled Addendum No.1 (17 pages).

Remove sections 8-30 of Division 8 and replace it with sections 8-30 labeled Addendum No.1 (3 pages).



City of Tacoma

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW23-0219F Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Veronicah Munyao, Public Works Engineering

B I D P R O P O S A L

SPECIFICATION NO. PW23-0219F

STREET INITIATIVE PACKAGE #32A

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. PW23-0219F, and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices.

NOTE:

1. Unit prices of all items, all extensions and total amount of bid should be shown. Show unit prices in figures only.
2. The notations below the item numbers refer to the specification section where information may be found regarding each contract item. These notations are intended only as a guide and are not warranted to refer to all specification sections where information may be found.
3. Common bid items between the schedules have been marked with *** on the description column.
4. Common bid items between the schedules that have unit prices, shall have the same unit price on each schedule. If the unit pricing does not match between these common items, the city will take the weighted average and correct the unit price.
5. Common bid items between the schedules that have lump sum price split, xx% per schedule A and xx% for schedule B of the total lump sum price for the item. If the lump sum pricing is not split correctly, the city will calculate the total, and redistribute accordingly.
6. The base bid will be determined by adding the total of Schedule A and Schedule B.

All bid items are sorted in the following schedules:

- **Schedule A: Project Bid Items - Roadway Improvements**
- **Schedule B: Project Bid Items - Wastewater Improvements (Rule 170)**

Schedule A: Roadway Improvements, Bid Items R1-R66

Contractor's Name: _____

Specification No. [PW23-0219F]

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ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
R-1. 1-05	Roadway Surveying ***	1 Lump Sum	84% Lump Sum	\$ _____
R-2. 1-05	Project Redline Drawings***	1 Lump Sum	84% Lump Sum	\$ _____
R-3. 1-07	SPCC Plan	1 Lump Sum	100% Lump Sum	\$ _____
R-4. 1-09	Mobilization***	1 Lump Sum	84% Lump Sum	\$ _____
R-5. 1-10	Pedestrian Traffic Control***	1 Lump Sum	84% Lump Sum	\$ _____
R-6. 1-10	Project Temporary Traffic Control ***	1 Lump Sum	88% Lump Sum	\$ _____
R-7. 2-01	Clearing and Grubbing***	1 Lump Sum	84% Lump Sum	\$ _____
R-8. 2-01	Certified Arborist	1 Force Account	Estimated	\$5000
R-9. 2-02	Removal of Structures and Obstructions ***	1 Lump Sum	84% Lump Sum	\$ _____
R-10. 2-03	Existing Irrigation Systems	1 Lump Sum	100% Lump Sum	\$ _____
R-11. 2-03	Roadway Excavation, Incl. Haul	2524 Cu. Yd.	\$ _____	\$ _____
R-12. 2-03	Gravel Borrow Incl. Haul	77 Ton	\$ _____	\$ _____
R-13. 2-06	Subgrade Maintenance and Protection Plan	1 Lump Sum	100% Lump Sum	\$ _____
R-14. 2-09	Shoring or Extra Excavation Class B	4239 Sq. Ft.	\$ _____	\$ _____
R-15. 2-09	Structure Excavation Class B	555 Cu. Yd.	\$ _____	\$ _____
R-16. 2-14	Remove Existing Pavement, Type I, Class A2	5040 Sq. Yd.	\$ _____	\$ _____
R-17. 2-14	Remove Existing Pavement, Type I, Class A4	1680 Sq. Yd.	\$ _____	\$ _____
R-18. 2-14	Remove Existing Pavement, Type I, Class C6	1150 Sq. Yd.	\$ _____	\$ _____

Contractor's Name: _____

Specification No. [PW23-0219F]

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ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
R-19. 2-15	Remove Curb	1290 Lin. Ft.	\$ _____	\$ _____
R-20. 2-16	Remove Catch Basin	17 Each	\$ _____	\$ _____
R-21. 2-16	Remove Manhole	4 Each	\$ _____	\$ _____
R-22. 4-04	Crushed Surfacing Top Course	546 Ton	\$ _____	\$ _____
R-23. 4-04	Crushed Surfacing Base Course	2008 Ton	\$ _____	\$ _____
R-24. 5-04	Planing Bituminous Pavement	2625 Sq. Yd.	\$ _____	\$ _____
R-25. 5-04	HMA CL 1/2" PG 58H-22 for Temporary Pavement Patch	106 Ton	\$ _____	\$ _____
R-26. 5-04	HMA for Approach CL 1/2" PG 58H- 22	355 Sq. Yd.	\$ _____	\$ _____
R-27. 7-02	HMA CL 1/2" PG 58H-22	1678 Ton	\$ _____	\$ _____
R-28. 7-05	Adjust Existing Catch Basin	4 Each	\$ _____	\$ _____
R-29. 7-05	Adjust Existing Manhole	11 Each	\$ _____	\$ _____
R-30. 7-05	Adjust Existing Valve Chamber to Grade	11 Each	\$ _____	\$ _____
R-31. 7-05	Catch Basin Type 1	24 Each	\$ _____	\$ _____
R-32. 7-05	Adjust Sewer Cleanout	1 Each	\$ _____	\$ _____
R-33. 7-05	Manhole 48 In. Diam. Type 1***	5 Each	\$ _____	\$ _____
R-34. 7-05	Manhole 54 In. Diam. Type 1 with Cast-In-Place Base	2 Each	\$ _____	\$ _____
R-35. 7-05	Manhole 72 In. Diam. Type 1	1 Each	\$ _____	\$ _____
R-36. 7-05	Manhole 48 In. Diam. Type 3	1 Each	\$ _____	\$ _____
R-37. 7-05	Manhole Additional Height 54 In. Diam. Type 1	2 Lin. Ft.	\$ _____	\$ _____

Contractor's Name: _____

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ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
R-38. 7-05	Connect New Sewer Pipe Existing Structure	3 Each	\$ _____	\$ _____
R-39. 7-05	Pothole Existing Utility	50 Lin. Ft.	\$ _____	\$ _____
R-40. 7-05	Reconnect Existing Sewer Pipe to New Structure	22 Each	\$ _____	\$ _____
R-41. 7-08	Temporary Storm Sewer Bypass	1 Lump Sum	100% Lump Sum	\$ _____
R-42. 7-08	Temporary Storm Sewer Bypass Plan	1 Lump Sum	100% Lump Sum	\$ _____
R-43. 7-08	CDF for Pipe Abandonment	2 Cu. Yd.	\$ _____	\$ _____
R-44. 7-17	Removal and Replacement of Unsuitable Material Incl. Haul	335 Cu. Yd.	\$ _____	\$ _____
R-45. 7-17	Testing Sewer Pipe	814 Lin. Ft.	\$ _____	\$ _____
R-46. 7-17	PVC Storm Sewer Pipe 18 In. Diam.	11 Lin. Ft.	\$ _____	\$ _____
R-47. 7-17	Ductile Iron Storm Sewer Pipe 4 In. Diam.	10 Lin. Ft.	\$ _____	\$ _____
R-48. 7-17	PVC Storm Sewer Pipe 12 In. Diam.	596 Lin. Ft.	\$ _____	\$ _____
R-49. 7-17	Ductile Iron Storm Sewer Pipe 12 In. Diam.	197 Lin. Ft.	\$ _____	\$ _____
R-50. 8-01	Erosion/Water Pollution Control	1 Lump Sum	84% Lump Sum	\$ _____
R-51. 8-01	Stormwater Pollution Prevention Plan (SWPPP)	1 Lump Sum	100% Lump Sum	\$ _____
R-52. 8-01	NPDES Construction Stormwater General Permit	1 Lump Sum	100% Lump Sum	\$ _____
R-53. 8-02	Site Restoration	1 Lump Sum	84% Lump Sum	\$ _____
R-54. 8-04	Cement Conc. Traffic Curb and Gutter	2500 Lin. Ft.	\$ _____	\$ _____
R-55. 8-04	Pedestrian Curb	377 Lin. Ft.	\$ _____	\$ _____
R-56. 8-06	Cement Conc. Driveway Entrance	230 Sq. Yd.	\$ _____	\$ _____

Contractor's Name: _____

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ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
R-57. 8-13	Poured Monument	3 Each	\$ _____	\$ _____
R-58. 8-14	Cement Conc. Sidewalk	700 Sq. Yd.	\$ _____	\$ _____
R-59. 8-14	Cement Conc. Curb Ramp	48 Each	\$ _____	\$ _____
R-60. 8-20	Traffic Signal System @ S 12th St & State St, complete	1 Lump Sum	100% Lump Sum	\$ _____
R-61. 8-20	Traffic Signal System @ S 15th St & State St, complete	1 Lump Sum	100% Lump Sum	\$ _____
R-62. 8-20	Remove and Replace Junction Box	2 Each	\$ _____	\$ _____
R-63. 8-21	Permanent Signing	1 Lump Sum	100% Lump Sum	\$ _____
R-64. 8-22	Plastic Line	381 Lin. Ft.	\$ _____	\$ _____
R-65. 8-22	Plastic Wide Line	45 Lin. Ft.	\$ _____	\$ _____
R-66. 8-22	Plastic Sharrow Marking	14 Each	\$ _____	\$ _____
R-67 8-30	Construct new stairs	2.5 Lin. Ft.	\$ _____	\$ _____
Total Schedule A				\$ _____

Contractor's Name: _____

Specification No. [PW23-0219F]

Schedule B: Wastewater Improvements (Rule 170), Bid Items WW1-WW25

ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
WW-1. 1-05	Roadway Surveying***	1 Lump Sum	16% Lump Sum	\$ _____
WW-2. 1-05	Project Redline Drawings***	1 Lump Sum	16% Lump Sum	\$ _____
WW-3. 1-09	Mobilization***	1 Lump Sum	16% Lump Sum	\$ _____
WW-4. 1-10	Pedestrian Traffic Control***	1 Lump Sum	16% Lump Sum	\$ _____
WW-5. 1-10	Project Temporary Traffic Control***	1 Lump Sum	12% Lump Sum	\$ _____
WW-6. 2-01	Clearing and Grubbing***	1 Lump Sum	16% Lump Sum	\$ _____
WW-7. 2-02	Removal of Structures and Obstructions***	1 Lump Sum	16% Lump Sum	\$ _____
WW-8. 2-09	Shoring or Extra Excavation Class B	13701 Sq. Ft.	\$ _____	\$ _____
WW-9. 2-09	Structure Excavation Class B	1709 Cu. Yd.	\$ _____	\$ _____
WW-10. 2-16	Remove Manhole	4 Each	\$ _____	\$ _____
WW-11. 5-04	HMA CL 1/2" PG 58H-22 for Temporary Pavement Patch	189 Ton	\$ _____	\$ _____
WW-12. 7-05	Manhole 48 In. Diam. Type 1***	7 Each	\$ _____	\$ _____
WW-13. 7-05	Connect New Sewer Pipe Existing Structure	2 Each	\$ _____	\$ _____
WW-14. 7-05	Reconnect Existing Sewer Pipe to New Structure	5 Each	\$ _____	\$ _____
WW-15. 7-05	Manhole Additional Height 48 In. Diam. Type 1	14 Each	\$ _____	\$ _____
WW-16. 7-08	Temporary Sanitary Sewer Bypass	1 Lump Sum	100% Lump Sum	\$ _____
WW-17. 7-08	Temporary Sanitary Sewer Bypass Plan	1 Lump Sum	100% Lump Sum	\$ _____
WW-18. 7-08	CDF for Pipe Abandonment	1 Cu. Yd.	\$ _____	\$ _____

Contractor's Name: _____

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ITEM NO./ SPEC	ITEM DESCRIPTION	ESTIMATED QUANTITY / UNIT	UNIT PRICE	TOTAL AMOUNT
WW-19. 7-17	PVC Sanitary Sewer Pipe 6 In. Diam.	320 Lin. Ft.	\$ _____	\$ _____
WW-20. 7-17	PVC Sanitary Sewer Pipe 8 In. Diam.	1049 Lin. Ft.	\$ _____	\$ _____
WW-21. 7-17	Removal and Replacement of Unsuitable Material Incl. Haul	1369 Cu. Yd.	\$ _____	\$ _____
WW-22. 7-17	Testing sewer Pipe	1369 Lin. Ft.	\$ _____	\$ _____
WW-23. 7-19	Sewer Cleanout	16 Each	\$ _____	\$ _____
WW-24. 8-01	Erosion/Water Pollution Control***	1 Lump Sum	16% Lump Sum	\$ _____
WW-25. 8-02	Site Restoration***	1 Lump Sum	16% Lump Sum	\$ _____
Total Schedule B				\$ _____
WSST (10.3%)				\$ _____
Total Schedule B (Including Sales Tax)				\$ _____

Contractor's Name: _____
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SUMMARY

Schedule	Total Base Bid Subtotals (Not Including Sales Tax)	WSST (10.3%)	Total Construction Cost
Schedule A: Roadway Improvements	\$ _____	\$ 0.00	\$ _____
Schedule B: Wastewater Improvements (Rule 170)	\$ _____	\$ _____	\$ _____
TOTALS	\$ _____	\$ _____	\$ _____

Proposal for Incorporating Recycled Materials into the Project

In compliance with a new law that went into effect January 1, 2016 (SHB1695), the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1) E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

Bidder: _____

Signature of Authorized Official: _____

Date: _____

Contractor's Name: _____

Specification No. [PW23-0219F]

7-04 STORM SEWERS
(March 17, 2003 Tacoma GSP)

This section is deleted. The requirements of Section 7-17 shall apply to storm sewers.

**7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS
(March 23, 2010 Tacoma GSP)**

7-05.1 Description

This section is supplemented with the following:

All references to sanitary sewers shall be construed to also mean storm sewers.

7-05.3 Construction Requirements

The first sentence of the eleventh paragraph is revised to read:

A flexible pipe-to-manhole connector shall be used in all connections of rigid and thermoplastic pipes to **new** precast concrete manholes to provide a watertight joint between the pipe and the manhole, unless otherwise directed by the Engineer. The connector shall be "Kor-N-Seal" with "Wedge Korband" (Type I or II as required for pipe diameter), manufactured by NPC, Inc., Milford, New Hampshire, or Engineer approved equal. The connectors shall be installed in accordance with the manufacturer's recommendations.

7-05.3(1) Adjusting Manholes and Catch Basins to Grade

This section is revised to read:

7-05.3(1) Adjusting Utility Structures to Grade

Where shown in the Plans or where directed by the Engineer, utility structures shall be adjusted to grade as staked or as otherwise designated by the Engineer.

The materials and methods of construction shall conform to the requirements specified in Section 7-05.3 and Standard Plan No. SU-25 or SU-37. The finished structure shall conform to the requirements of the standard plan for the specific structure.

Where indicated on the plans to use a combination inlet frame and grate for "Adjust Existing Catch Basin, Furnish New Frame and Grate," it shall be used in place of a vaned grate. All combination inlet frame and grates shall conform to WSDOT Standard Plan B-25.20.01.

When adjusting an existing catch basin the contractor shall clean the structure in accordance with specification 7-07 and shall include all costs in the price for adjustment.

Where shown on the plans for manholes and catch basins to be adjusted to grade, existing frames, grates, and covers shall be replaced with new castings. New castings for "Adjust Existing Manhole" and "Adjust Existing Catch Basin" will be provided by the contracting agency. The Contractor shall coordinate with Ryan Welander at least 5 working days prior to pickup of materials.

Ryan Welander, Environmental Services Transmission Maintenance Coordinator,
by phone at 253-404-6964 (office) or 253-327-4391 (mobile)
or by email at RWelander@cityoftacoma.org

The Contractor will be responsible for picking up the castings at the following location:

Tacoma Central Treatment Plant
2201 Portland Avenue East
Tacoma, WA 98421

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The Contractor will be responsible for securing, storing, and protecting the castings after picking them up from the Tacoma Central Treatment Plant. Any castings that are stolen, lost, or damaged while in possession of the Contractor shall be replaced with identical materials from the same manufacturer at no expense to the City.

Where shown on the plans for water main valve chambers to be adjusted to grade, existing valve cans and covers shall be replaced with new castings. New water valve cans and covers for "Adjust Existing Valve Chamber to Grade" will be provided by the Contracting Agency. The Contractor shall coordinate with the Contracting Agency for pick-up of the castings. The contractor shall arrange pick-up, a minimum of **5 working days** prior, with:

Geff Yotter, Water Distribution Operations Manager,
By phone at 253-502-8253 (office) or 253-377-5966 (mobile)
or by email at GYotter2@cityoftacoma.org

The pick-up location shall be:

Water Operations Distribution Building
3506 South 35th Street
Tacoma, WA 98409

7-05.3(3) Connections to Existing Manholes

The first sentence is revised to read:

The Contractor shall inspect the existing manholes in the field to verify invert elevations and the scope of work necessary to make the connection(s) prior to construction.

7-05.4 Measurement

The sixth paragraph is revised to read:

Connections to existing structures will be measured per each.

This section is supplemented with the following:

Reconnecting existing sewer pipes to new manhole structures will be measured per each.

Manholes with Cast-in-Place Base will be measured per each.

Catch Basin Type 2 __ in excess of 10 feet in height will be measured per linear foot for each additional foot of height over 10 feet. Measurement will be the distance from the flow line of the outlet pipe to the top of the manhole ring measured to the nearest foot.

7-05.5 Payment

The first paragraph is supplemented with the following:

The unit Contract price for "Manhole_____" shall be full pay for all work required to furnish and install the new manhole to finished grade, including, but not limited to, excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s), channeling, installing new covers and frames, ladders, steps, and handholds, as applicable per Standard Plans.

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The unit Contract price for "Catch Basin ____" shall be full pay for all work required to furnish and install the new catch basin to finished grade, including, but not limited to, excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s), installing new frame and cover, as applicable per Standard Plans.

The pay item for "Drop Manhole Connection" is revised to read:

"Drop Manhole Connection, ____-Inch Diam.", per each.

The pay item for "Connection to Drainage Structure" is revised to read:

"Connect New Sewer Pipe to Existing Structure", per each

The unit Contract price per each for "Connect New Sewer Pipe to Existing Structure" shall include connecting new sewer pipes of all diameters. No extra payment shall be made for varying sewer pipe diameters.

This section is supplemented with the following:

"Reconnect Existing Sewer Pipe to New Structure", per each.

The unit Contract price per each shall be full pay for all labor, equipment and materials necessary to reconnect the existing sewer pipe of any diameter to the new structure as specified in Section 7-05.3. No extra payment shall be made for varying pipe diameters including, but not limited to, cured-in-place pipe.

"Adjust Existing Catch Basin, Furnish New Frame and Grate", per each

The unit Contract price per each for "Adjust Existing Catch Basin, Furnish New Frame and Grate" shall be full pay for all costs associated with adjusting the frame and grate to finished grade, including but not limited to, excavating, furnish and place backfill, furnishing and installing the new frame and grate, compacting, surfacing, and restoration.

"Adjust Existing Manhole, Furnish New Frame and Cover", per each

The unit Contract price per each for "Adjust Existing Manhole, Furnish New Frame and Cover" shall be full pay for all costs associated with adjusting the frame and cover to finished grade, including but not limited to, excavating, furnish and place backfill, furnishing and installing the new frame and cover, compacting, surfacing, and restoration.

"Adjust Existing Valve Chamber to Grade", per each

The unit Contract price per each for "Adjust Existing Valve Chamber to Grade" shall be full pay for all costs associated with the adjusting the valve chamber to finished grade, including but not limited to, excavating, furnish and place backfill, compacting, surfacing, and restoration.

"Manhole ____-In. Diam. Type ____, with Cast-in-Place Base", per each.

The unit Contract price per each for "Manhole ____-In. Diam. Type ____, with Cast-in-Place Base" shall be full pay for all labor, equipment and materials required to furnish, excavate for, furnish and place backfill, compact, and install to finished grade the new manhole with a cast-in-place

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base, including, but not limited to, insuring proper support of existing main, channeling, connection of new pipe, installing new covers and frames, ladders, steps, and handholds, as applicable per Standard Plans

“Catch Basin Type 2 Additional Height, ___ In. Diam.”, per linear foot.

**7-07 CLEANING EXISTING DRAINAGE STRUCTURES
(March 23, 2010 Tacoma GSP)**

7-07.3 Construction Requirements

Item three of paragraph two is revised to read:

1. If sediment and water from structures does not meet the conditions described in 1 or 2 above, the Contractor shall collect and dispose of all water used and all debris generated in cleaning operations. No cleaning water or debris shall be flushed downstream beyond the limits of the work.

This Section is supplemented with:

All lines shall be cleaned prior to any inspection of an existing drainage line or structure.

7-07.5 Payment

This section is revised to read:

All costs for cleaning existing drainage structures shall be included in other bid items in the Bid Proposal.

7-08 GENERAL PIPE INSTALLATION REQUIREMENTS
(***)**

7-08.3 Construction Requirements

This section is supplemented with the following:

All material excavated from the wastewater and stormwater trenches shall be considered unsuitable for backfill and shall be removed and replaced with imported backfill, meeting the requirements of Section 9-03.12(2).

7-08.3(1)A Trenches

The tenth paragraph of this section is deleted. All dewatering requirements are found in section 8-01.3(1)C.

7-08.3(1)C Bedding the Pipe

This section is supplemented with the following:

Pipe bedding for sanitary and storm sewers shall be in accordance with City of Tacoma Standard Plan No. SU-16.

7-08.3(2)F Plugs and Connections

This section is supplemented with the following:

Rigid Couplings, manufactured by Romac Industries, Inc., or Engineer approved equal, shall be used at any pipe joint in which bell and spigot or fused joints are not used. Flexible couplings are not permitted, except for side sewer installation.

7-08.3(2)G Jointing of Dissimilar Pipe

This section is revised to read:

Dissimilar pipe shall be joined by use of rigid couplings manufactured by Romac Industries, Inc., or Engineer approved equal, except for side sewer installation.

7-08.3(3) Backfilling

The second paragraph is revised to read:

Pipe zone bedding and trench backfill shall be in accordance with City of Tacoma Standard Plan No. SU-16. Recycled concrete shall not be used for pipe zone bedding, pipe zone backfill, backfill above pipe zone, and extra excavation area backfill.

The fourth paragraph is revised to read:

Backfill above the pipe zone shall be accomplished in such a manner that the pipe will not be shifted out of position nor damaged by impact or overloading. If pipe is being placed in a new embankment, backfill above the pipe zone shall be placed in accordance with Section 2-03.3(14)C. If pipe is being placed under existing paved areas, or roadways, backfill above the pipe zone shall be placed in horizontal layers no more than 12-inches thick and compacted to 95-percent maximum density. If pipe is being placed in non-traffic areas, backfill above the pipe zone shall be placed in horizontal layers no more than 12-inches thick and compacted to 85-percent maximum density. All compaction shall be in accordance with the Compaction Control Test of Section 2-03.3(14)D.

All material excavated from the trench shall be considered unsuitable for backfill and shall be removed and replaced with imported backfill, meeting the requirements of Section 9-03.12(2) and paid for in the bid item "Removal and Replacement of Unsuitable Material" in Special Provisions Section 7-17.

Section 7-08.3 is supplemented with the following:

7-08.3(5) Temporary Bypass Pumping

7-08.3(5)A General Requirements

It shall be the Contractor's responsibility to design, operate, and install a bypass pumping system to maintain operation of the existing storm and/or sanitary sewer systems throughout the duration of the project without any interruption of sewer service. The Contractor shall divert all flows around each segment of the pipe and/or structure designated for replacement. This diversion shall consist of redirecting flow from an upstream manhole and pumping it to a manhole downstream of the replacement operation. After the pipe replacement work is completed and accepted by the City, flow shall be returned to the reconstructed storm or sanitary sewer. The area affected by the bypass operation shall be fully restored.

Flow from the bypass system shall be discharged into the same system downstream of the work unless prior approval is obtained from the Engineer to utilize a nearby pipe network. The Engineer will determine if the nearby system has capacity to receive the additional bypass flow.

To determine locations of upstream and downstream manholes for bypass purposes, Bidders may view pipe networks on the City of Tacoma GIS map at <https://tmap.cityoftacoma.org/>. Pipe networks are viewable by navigating to the intersection/street, selecting the Layer list icon in the upper right corner, and checking the box adjacent to either the Wastewater Network or Stormwater Network, as applicable.

Bypass pumping shall be done in such a manner as not to damage private or public property, or create a nuisance or public menace. The pumped sewage or stormwater shall be in enclosed hoses or pipes that are adequately protected from traffic, and shall be redirected into the appropriate sewer system. The discharge of sewage to private property, city streets, sidewalks, storm sewer, or any location other than an approved sanitary sewer is prohibited. The Contractor shall be liable for all cleanup, damages, and resultant fines should the Contractor's operation cause any backups, overflows, or property damage.

The Contractor shall be required to test the bypass pumping system in the presence of the Engineer prior to taking any sewer system out of service.

Silenced pumps shall be used in all areas of night time work to minimize noise disruption and meet the noise control requirements of Tacoma Municipal Code Chapter 8.122.

The Contractor shall use hard pipe to bypass sewers 12-inches in diameter or greater. The Contractor shall not block any driveways or intersections, but shall bury the pipe to allow continuous access through intersections and driveways.

The Contractor may use lay-flat hose to bypass storm and sanitary sewers that are less than 12 inches in diameter. The Contractor shall ensure that sewage spills do not occur with the use of lay flat hoses. If sewage spills occur, the Contractor will be required to use hard pipe for all sanitary sewers.

7-08.3(5)B Backup Equipment and Monitoring

Bypass pumping shall be scheduled for continuous operation with back-up pumps, generators, and other equipment available at all times for periods of maintenance and refueling or failure of the primary bypass pump(s). The Contractor shall provide experienced monitoring personnel on site at all times to verify the bypass pumping system remains functional. These individuals shall have the experience to operate and maintain the bypass system to ensure there is continuous operation of the bypass system.

7-08.3(5)C Flow for Bypass System Design

The Contractor's bypass operation shall be sized to handle, at a minimum, the full pipe capacity in each subject line removed from service. If flow conditions are greater than full pipe, the Contractor may elect to wait for flow conditions to subside prior to removing the subject line from service. Working days may be adjusted per Specification 1-08.5. Once the Contractor removes a section of line or pump station from service he/she is responsible to bypass any and all flow in the system during construction, even in the event the system surcharges and exceeds the full pipe capacity, until the line or pump station is returned to service.

7-08.3(5)D Bypass Pumping Plan

The Contractor shall submit Bypass Pumping Plans for each location included in the Contract in accordance with Section 1-05. The Contractor's plans for bypass pumping shall be reviewed by the Contracting Agency before the Contractor will be allowed to commence bypass pumping. The review of the bypassing system and equipment by the Engineer shall in no way relieve the Contractor of his responsibility and public liability.

At a minimum, the bypass pumping plan for each location shall include the following:

1. Location of pumps and generators
2. Method, type, and size of plugs
3. Size, material, location, and method of installation of suction piping
4. Size, material, location, and method of installation of discharge piping
5. Bypass pump sizes, capacity, number of each to be on site
6. For pipes sized 12-inches and greater (excluding catch basins), calculations of static lift, friction losses, and flow velocity, including pump performance curves showing pump operating range
7. Power generator and standby size and location
8. Method of noise control for pumps and generators to comply with the City's noise ordinance, Tacoma Municipal Code Chapter 8.122 if necessary
9. Calculations for selection of bypass pumping pipe sizes
10. Method of protecting discharge manholes from erosion or damage
11. All backup equipment including pumps, hoses, generators, and pipe
12. Contractor's 24-hour emergency contact name and phone number
13. Description of proposed contingency plan and clean up method for any spills that may occur.

7-08.3(6) Abandon Existing Pipe

If construction of the new sewer pipe does not result in the removal of the existing pipe due to differing alignments, then the existing pipe shall be abandoned in place as shown in the Plans. The Contractor shall plug all pipe branches, stubs, or other open ends of the pipe to be

abandoned and fill with CDF. The Contractor shall submit a Pipe Abandonment Plan in accordance with Section 1-05.3 describing the proposed methods for filling the pipes with CDF, specifically addressing how the pipes will be filled in a manner that will prevent air pockets from being left in the abandoned pipe. The CDF mix design shall meet the requirements of Section 2-09.3(1)E.

If the pipes to be abandoned are removed and disposed of during construction of the new sewers, all costs for the removal and disposal shall be included in the unit contract price for "Structure Excavation, Class B," at per cubic yard.

7-08.4 Measurement

This section is supplemented with the following:

No specific measurement shall apply to the lump sum item "Temporary ____ Sewer Bypass".

No specific measurement shall apply to the lump sum item "Temporary ____ Sewer Bypass Plan".

Abandonment of existing sewer pipes will be measured by the cubic yard of CDF necessary to fill the existing pipes.

7-08.5 Payment

This section is supplemented with the following:

"Temporary ____ Sewer Bypass", per lump sum.

The lump sum Contract prices for "Temporary ____ Sewer Bypass" shall be full payment for labor, equipment, and materials, including but not limited to, personnel, fuel, monitoring, power, pumps, piping, barricades, emergency stand-by equipment, trenching, surface restoration costs, and all other work necessary to maintain uninterrupted storm and sanitary sewer services by bypassing the applicable sewer system flows.

"Temporary ____ Sewer Bypass Plan", per lump sum

The lump sum Contract price for "Temporary ____ Sewer Bypass Plan" shall be full pay for all costs, including but not limited to, preparing, submitting, revising, and resubmitting revisions for the Temporary Bypass Plan.

"CDF for Pipe Abandonment", per cubic yard.

The unit Contract price for "CDF for Pipe Abandonment" shall be full payment for all labor, materials, and equipment necessary to abandon the sewer pipes.

7-17 SANITARY SEWERS

(***)**

7-17.1 Description

This section is supplemented with the following:

All references to sanitary sewer shall also mean storm sewers.

7-17.2 Materials

The first paragraph is revised to read:

Pipe materials used for storm and sanitary sewers shall be as shown on plans. All references to PVC shall mean Solid Wall PVC Sewer Pipe. Profile Wall PVC will not be permitted.

This section is supplemented with the following:

Polyvinyl Chloride (PVC) Pressure Pipe (4-inches and over) 9-30.1(5)A

7-17.3 Construction Requirements

7-17.3(2)A General

The first paragraph is revised to read:

Sewers and appurtenances shall be cleaned and tested after backfilling by either exfiltration or low-pressure air method at the option of the Contractor, except where the ground water table is such that the Engineer may require the infiltration test.

7-17.3(2)H Television Inspection

The first sentence is revised to read:

The Contractor shall video inspect all sanitary and storm sewers prior to paving where paving occurs over sewers, or prior to final acceptance.

7-17.3(3) Technical Requirements

Add the following new section:

General

The Contractor shall hire a third-party television inspection company to perform television inspection services on all new full segments and partial segments of sanitary and storm sewer mains and side sewers, including the connection point between new and existing pipes, and newly constructed manholes. The television inspection subcontractor must attend the Pre-Construction Conference in order to discuss the submittal process and required formatting of videos and databases, as described in this Section.

Schedule & Review Requirements

CCTV inspections shall be performed in accordance with the excavation and paving criteria defined in Section 1-08.4 of these Specifications. Final pavement restoration shall not occur until the Contracting Agency has approved all applicable pipe segments, video files, and databases within the paving limits.

Addendum No. 1

The Contractor shall provide the Contracting Agency 72 hours of advance notice so that the Engineer may be present during the inspection if so elected. The inspection video and associated database file for each pipe segment, including all side sewers (if applicable), shall be submitted to the Contracting Agency for review and approval within ten (10) working days of the installation. The Engineer may take up to three working days to review the files. If more than three working days are required for the Engineer's review of the videos, an extension of time will be considered in accordance with Section 1-08.8. No claim will be allowed for damages and no extension of time will be granted resulting from the rejection of a video or database due to not meeting the technical requirements or construction defects identified in the video.

Inspection and Video Criteria

CCTV inspection work shall be completed by certified National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) trained operator(s) using established PACP coding and observations. Coding and observation results shall be recorded and presented on a per asset basis, from structure to structure. A pipe asset is defined as one continuous pipe from the upstream structure to the downstream structure. Footage shall be recorded with the starting and ending points being the center of the manholes and/or catch basins, with the exception that if partial segments are constructed in this Contract, including side sewers, the inspection only needs to show all new work up to and including the connection to the existing pipe. Inspections shall be performed after the manhole has been channeled and the camera operator shall pan around and record the inside of each manhole and/or catch basin constructed in this project at the start and end of each inspection. The television camera shall have a resolution of 700 lines minimum and shall have a source of illumination attached to it.

The video files shall be recorded and submitted in WMV format and include an unmodified NASSCO-PACP Certified Access Database conducted entirely in digital format with electronic reference to the survey which is intended to be imported into the Contracting Agency's viewing software, GraniteNet. The PACP database must be in MDB format and shall include the Contracting Agency's SAP ID for pipe segments and structures. No other file formats will be accepted unless approved by the Contracting Agency.

All videos and database files shall be submitted via the Internet web-based project management communications tool, e-Builder software. The Contractor shall review each video and database prior to submitting to confirm formatting is correct and no pipe repairs are needed.

The Contractor shall provide video identifying each pipe segment by manhole, catch basin, and pipe segment SAP ID numbers. The inspection shall identify all connections, general conditions of the sewer pipelines, problem areas, location of all connections or problem areas by linear footage, and observations concerning the condition of the pipe joints. The camera system used shall be capable of travelling up to 500 linear feet.

Although newly constructed, the sewers will likely be in service with flow present during inspections. The Contractor shall clean the main within 24 hours of the CCTV inspection. The lens shall remain clean and clear for the duration of the inspection. Should the lens become soiled, or fogged, or otherwise impaired to any degree that impedes the ability to clearly see the condition of the pipe, the inspection shall be halted to clean and clear the lens. No additional compensation will be made for re-inspections required by the Contracting Agency due to soiled, fogged, or otherwise impaired camera lenses.

Addendum No. 1

The Contractor shall maintain sufficient light levels within the main to allow for visual inspection of the pipe walls for a minimum of four feet for all pipe sizes. Additionally, the Contractor shall make certain that the light levels are not so bright that visual inspection is impeded.

The CCTV Inspection shall be a continuous, unedited video and shall include the following information:

- Date of Inspection
- Main segment number
- Upstream and downstream manhole and/or catch basin numbers
- Current distance along the mainline

In addition, the Contractor shall perform wastewater side sewer inspections where they exist via a mainline camera with a lateral launching setup. The lateral launch camera shall be capable of extending at least 30 feet from the main into side sewers and shall include an on-screen footage counter. The quality of the side sewer inspection shall meet the same requirements as the mainline camera. The lateral launch camera must be self-leveling and shall also include a sonde transmitter to locate the side sewer in the event of a defect. All side sewer inspections within a given segment shall be incorporated into the same video and database file as the mainline inspection.

The Contractor shall bear all costs incurred in correcting any deficiencies found during television inspection including the cost of any additional cleaning and television inspection that may be required by the Engineer to verify the correction of said deficiency.

The Contractor shall be responsible for all costs incurred in any television inspection performed solely for the benefit of the Contractor.

7-17.4 Measurement

This section is supplemented with the following:

Removal and replacement of unsuitable, contaminated and non-contaminated, backfill material will be determined by the cubic yard in place, based on a neat line measurement per this Section and Section 2-09. Any removal and replacement of unsuitable material outside neat line measurement shall be incidental to the Bid item.

No specific unit of measurement will apply for television inspection as required in this section. All costs shall be included in the per foot price of pipe installed.

Horizontal Limits: The horizontal limits shall be as defined in Section 2-09.4.

Longitudinal Limits: The longitudinal limits shall be as defined in Section 2-09.4.

Lower Limits: The lower limits shall be the top of the pipe zone as shown on Standard Plan No. SU-16.

Upper Limits: The upper limits shall be the subgrade elevation of the proposed roadway section or pavement patch section.

All costs associated with the disposal of material located above the upper limits shall be included in the unit contract price for other items of work, unless a proposal item is included for this specific item of work.

Pipe zone limits are as defined in Standard Plan SU-16.

7-17.5 Payment

The first paragraph is supplemented with the following:

“PVC Storm Sewer Pipe ____ In. Diam.”, per linear foot.

The second paragraph is revised to read:

The unit Contract price per linear foot for sewer pipe of the kind and size specified shall be full pay for the furnishing, hauling, and assembling in place the complete installation, including but not limited to, disposal of material excavated within the pipe zone, furnishing and installing pipe bedding and backfill material within the pipe zone, and all wyes, tees, special fitting, joint materials, and other appurtenances necessary for the completion of the installation to the required line and grade, unless proposal items are included for these specific items of work, and shall also include all costs associated with cleaning the pipe and performing and submitting television inspection videos. Sewer pipe per linear foot shall not be paid until the Contracting Agency has approved the CCTV inspection video and database, and provided approval of the pipe segment.

The pay item “Removal and Replacement of Unsuitable Material” is revised to read:

“Removal and Replacement of Unsuitable Material”, per cubic yard.

The unit Contract price per cubic yard for “Removal and Replacement of Unsuitable Material” shall be full pay for all work required to haul and dispose of the unsuitable material as specified in Section 7-08.3(1)A and the furnishing of suitable backfill material as specified in Section 7-08.3(3).

All material excavated from the trench shall be considered unsuitable for backfill above the pipe zone and shall be removed and replaced with imported backfill, meeting the requirements of Section 9-03.12(2) and paid for in the bid item “Removal and Replacement of Unsuitable Material”.

7-18 SIDE SEWERS

(***)**

7-18.1 Description

This section is supplemented with the following:

The Contractor shall remove and replace existing side sewers as defined on the Plans and reconnect the existing side sewer. The location of the side sewer at the main is estimated based on a TV inspection of the main and may vary in either direction. The actual location at the point of reconnection is unknown. All side sewers shall be 6-inch C900 pipe, unless otherwise specified in this Section or by the Engineer.

7-18.3(1) General

This section is supplemented with the following:

The Contractor shall use solid wall PVC pipe meeting the requirements of Section 9-05.12(1) for all side sewers located 10 feet or more from a water service. If the side sewer is located within 10 feet of a water service, the Contractor shall use solid wall PVC pressure pipe meeting the requirements of Section 9-30.1(5)A. If the side sewer crosses above a water main, the side sewer shall be encased per the Department of Ecology Criteria for Sewage Works Design (Orange Book) Section C1-9.1.4A. Any encasement of side sewers shall be paid for under force account per Section 1-09.6.

7-18.3(2)A Jointing of Dissimilar Pipe

This section is supplemented with the following:

Dissimilar pipe shall be joined by use of Strong Back couplings manufactured by Fernco, Inc., or Engineer approved equal.

7-18.4 Measurement

This section is supplemented with the following:

Measurement for payment shall be by the linear foot of pipe installed, and shall be along the pipe invert, through tees, wyes and other fittings, from the centerline of the main to the centerline of the cleanout.

No specific unit of measurement will apply for television inspection as required in Section 7-17.3(2)H. All costs shall be included in the per foot price of pipe installed.

7-18.5 Payment

The second paragraph is revised to read:

The unit Contract price per linear foot for sewer pipe of the kind and size specified shall be full pay for the furnishing, hauling, and assembling in place the complete installation, including but not limited to, disposal of material excavated within the pipe zone, furnishing and installing pipe bedding and backfill material within the pipe zone, and all wyes, tees, special fittings, rigid couplings, joint materials, end pipe markers, and other appurtenances necessary for the completion of the installation to the required line and grade, unless proposal items are included for these specific items of work, and shall also include all costs associated with cleaning the pipe and performing and submitting television inspection videos. Sewer pipe per linear foot

Addendum No. 1

shall not be paid until the Contracting Agency has approved the CCTV inspection video and database, and provided approval of the pipe segment.

All material excavated from the side sewer trench shall be considered unsuitable for backfill and shall be removed and replaced with imported backfill, meeting the requirements of Section 9-03.12(2) and paid for in the bid item "Removal and Replacement of Unsuitable Material" in Special Provisions Section 7-17.

7-19 SEWER CLEANOUTS
(May 13, 2009 Tacoma GSP)

7-19.3 Construction Requirements

The third sentence of the first paragraph is deleted.

The fourth sentence of the third paragraph is deleted.

7-19.5 Payment

The third paragraph is revised to read:

The unit Contract price for "Sewer Cleanout" shall be full pay for furnishing and placing the wye, pipe, pipe bends, pipe plug, castings, and collar as specified herein and as shown on Standard Plan SU-24.

END OF SECTION

**8-30 CEMENT CONCRETE STAIRWAY AND HAND RAILING
(March 17, 2003 Tacoma GSP)**

8-30.1 Description

This work shall consist of constructing cement concrete stairways, and hand railings in accordance with details shown in the Standard Plans and these Specifications and in conformity to lines and grades shown in the Plans or as established by the Engineer.

8-30.2 Materials

Materials shall meet the requirements of the following sections:

Portland Cement	9-01
Aggregates	9-03
Premolded Joint Filler	9-04.1
Concrete Curing Materials and Admixtures	9-23
Reinforcing Bars	9-07
Paint	9-08

The concrete shall be air-entrained concrete Class 3000 in accordance with the requirements of Section 6-02.

Steel pipe hand railing shall be fabricated from standard weight steel pipe conforming to ASTM Designation A 120.

Wrought iron hand railing shall be fabricated from material conforming to ASTM A207-63T.

8-30.3 Construction Requirements

8-30.3(1) Excavation

Excavation shall be made to the required depth and to a width that will permit the installation and bracing of the forms. The foundation shall be shaped and compacted to a firm even surface conforming to the section shown in the Standard Plan. All soft and yielding material shall be removed and replaced with acceptable material.

8-30.3(2) Forms

Forms shall be of wood or metal and shall extend for the full depth of the concrete. All forms shall be straight, free from warp, and of sufficient strength to resist the pressure of the concrete without warping. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal. After the forms have been set to line and grade, the foundation shall be brought to the required grade and thoroughly wetted approximately 12 hours before placing the concrete.

8-30.3(3) Placing and Finishing of Concrete

Front and side edging of stair treads shall be to a radius of 1/2 inch.

Landings for stairways shall be marked as specified for concrete sidewalks except that transverse and longitudinal markings shall be modified as necessary to result in uniform size of squares in each landing. Where gutters are along the side of stairways, the gutter portion of stairway landings shall be smooth finished without markings to conform with the stairway gutter.

8-30.3(4) Cold Weather Work

The following additional requirements for placing concrete shall be in effect from November 1 to April 1:

- The Engineer shall be notified at least 24 hours prior to placement of concrete.
- All concrete placement shall be completed no later than 2:00 p.m. each day.
- Where forms have been placed and the subgrade has been subjected to frost, no concrete shall be placed until the ground is completely thawed. At that time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.

8-30.3(5) Curing

Cement concrete stairways shall be cured for a minimum of 72 hours in accordance with Section 5-05.3(13).

8-30.3(6) Hand Rail

Hand rails for cement concrete stairways shall be constructed at the locations shown on the Plans. The railing may be placed either completely assembled at the time when stairway concrete is placed, or recesses may be provided in the concrete for grouting in the railing posts after the concrete has been placed, finished and cured.

The installed railing shall be in true alignment, proper grade, and all posts plumb.

Welds shall be made by experienced welders and each weld shall be ground and buffed to a smooth surface.

8-30.3(6)A Hand Rail Painting

Painting shall meet the requirements of Section 6-07 of the Standard Specifications.

Paint shall be as follows:

- Primer shall meet requirements outlined in Section 9.08, "Formula A-6-68- Zinc Dust Zinc Oxide Primer," of the Standard Specifications.
- Finish coat shall meet requirements outlined in Section 9.08, "Formula D-4-57 - Black Enamel," of the Standard Specifications.

8-30.4 Measurement

Measurement of cement concrete stairway and hand rail will be in accordance with City of Tacoma Standard Plan SU-10.

8-30.5 Payment

"Cement Conc. Stairway", per linear foot.

Addendum No. 1

The unit Contract price per linear foot for "Cement Conc. Stairway" shall be full pay for all labor, equipment, and materials required for clearing and grubbing; excavation; subgrade preparation; construction of forms; furnishing and placing reinforcing steel; furnishing and placing of concrete in accordance with the plans and specifications.

"____ Hand Rail", per linear foot.

The unit Contract price per linear foot for "____ Hand Rail" shall be full pay for all labor, equipment, and materials, required to construct and complete the railing in accordance with the plan and specification.

END OF SECTION



THE CITY OF TACOMA
PUBLIC WORKS DEPARTMENT
SPECIFICATION NO. PW 23-0219F
SEPTEMBER 2023

STREET INITIATIVE PKG 32

S. FERRY ST. FROM S. 12TH ST. TO S. 14TH ST.
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.
S. 14TH ST. FROM S. STATE ST. TO SPRAGUE AVE.
PROJECT NUMBER: PWK-00434-32

STORM IMPROVEMENT

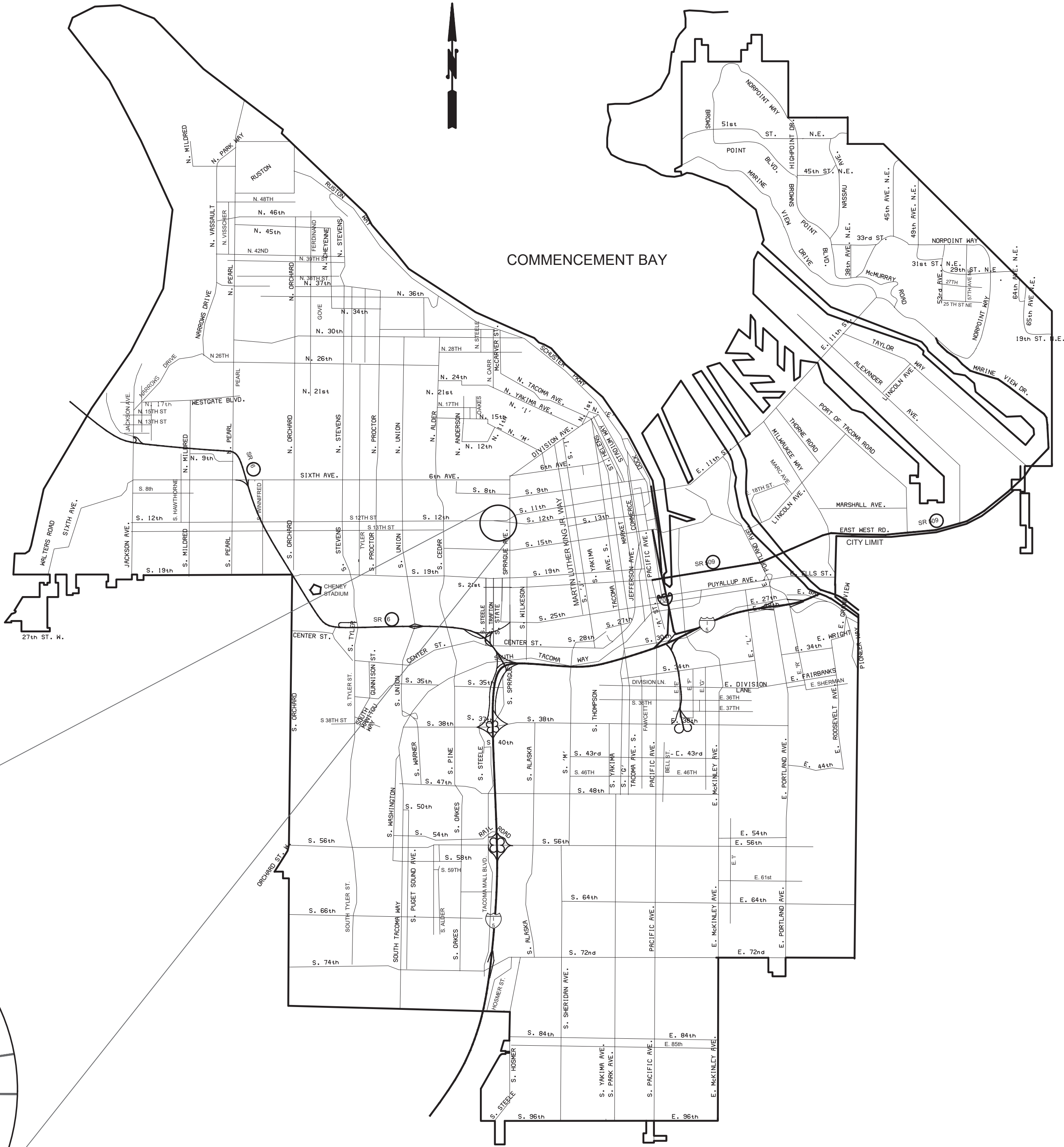
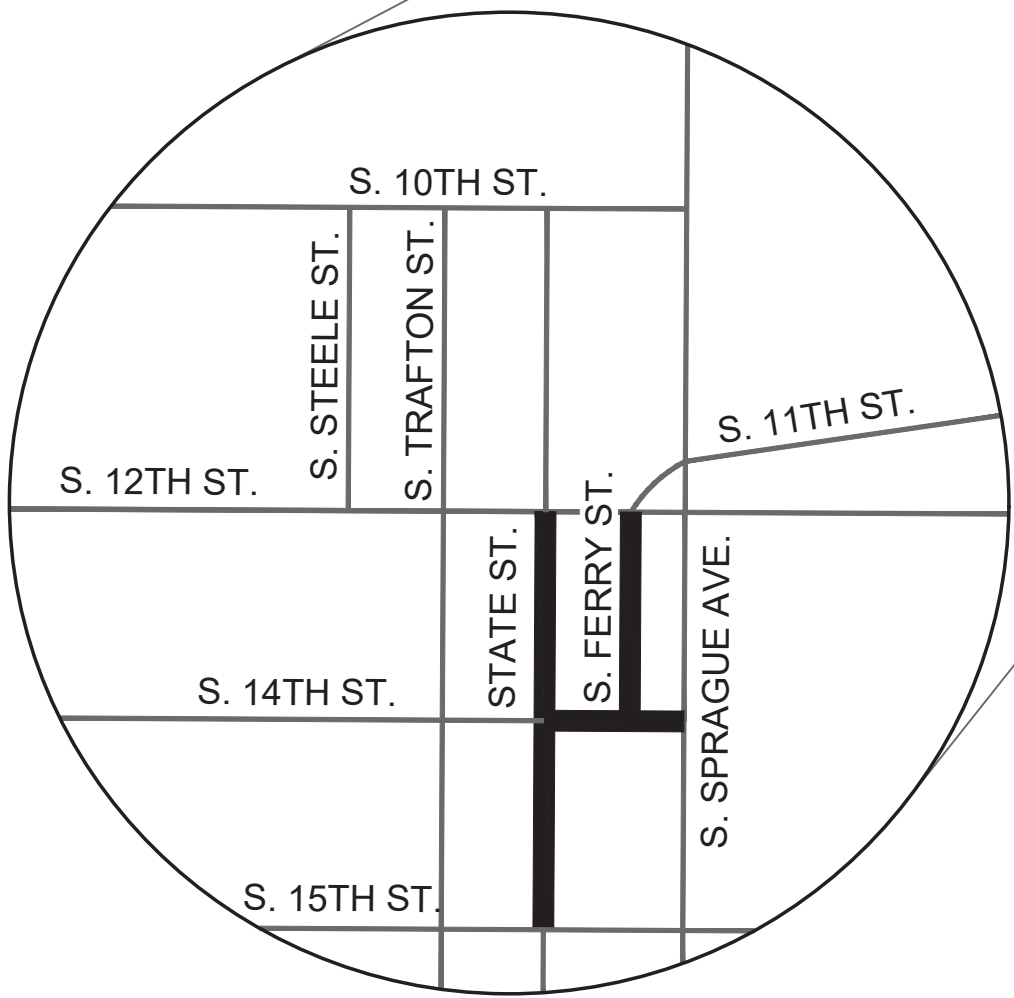
PROJECT NUMBER: ENV-03032-06

WASTEWATER IMPROVEMENT

PROJECT NUMBER: ENV-04024-07

LID-8670R

PROJECT NUMBER: 60000052109

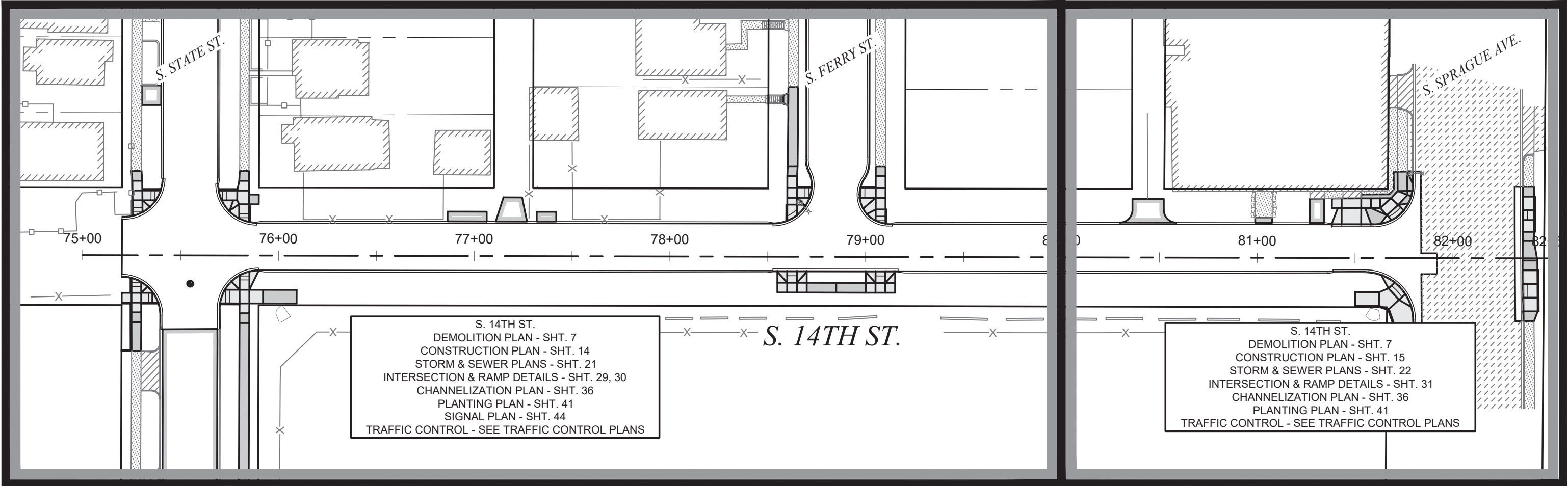
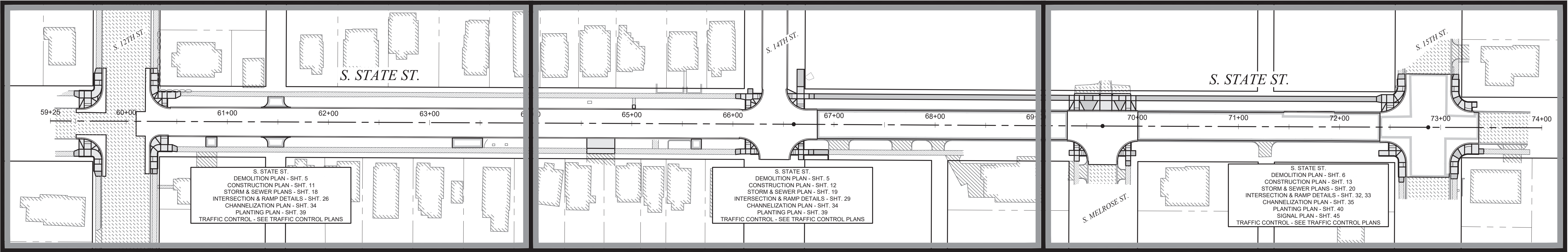
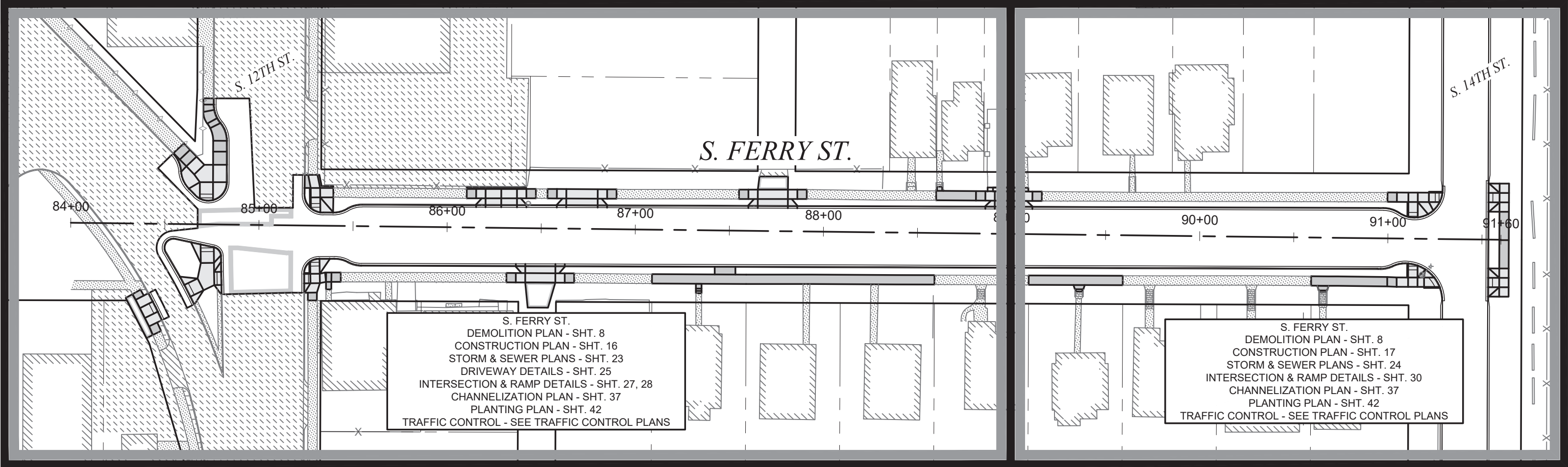


VICINITY MAP
NOT TO SCALE

Addendum No. 1

SHEET LIST TABLE		
SHEET	SHEET NO.	TITLE OF DRAWINGS
CV-1	1	COVER SHEET
SY-1	2	SYMBOL SHEET
KM-1	3	KEY MAP
HC-1	4	HORIZONTAL CONTROL
D-1 - D-4	5 - 8	DEMOLITION PLAN
RS-1	9 - 10	ROAD SECTION DETAILS
C-1 - C-7	11 - 17	CONSTRUCTION PLAN
SS-1 - SS-7	18 - 24	STORM & WASTEWATER SEWER PLAN
DW-1	25	DRIVEWAY GRADING PLAN
IRP-1 - IRP-7	26 - 33	INTERSECTION & RAMP GRADING PLAN
CH-1 - CH-5	34 - 38	CHANNELIZATION / SIGNAGE PLAN
PL-1 - PL-5	39 - 43	PLANTING PLAN
SG-1 - SG-3	44 - 45	SIGNAL PLAN
TC-1 - TC-3	46 - 48	TRAFFIC CONTROL PLAN


REFERENCE LINETYPES			WATER SYMBOLS			POWER SYMBOLS			TRAFFIC SIGNAL INTERCONNECT AND LIGHTING SYMBOLS			ABBREVIATIONS														
LINETYPE		DESCRIPTION	SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION															
		PROPERTY LINE												& #	AND AT CENTERLINE	DET DF DI DIA DIP DWG DWY	DETAIL DRINKING FOUNTAIN DRAIN INLET DIAMETER DUCTILE IRON PIPE DRAWING DRIVEWAY	JT	JOINT	PUD P.V.C.	POWER POLYVINYL CHLORIDE PIPE					
		EASEMENT LINE												CL	PROPERTY LINE	EJ	EACH EXPANSION JOINT ELEVATION	LA	LANDSCAPE ARCHITECT	REM.	REMOVE					
		RIGHT OF WAY												PL	PERCENT NUMBER	EL	END OF PROJECT	LF	LINEAR FEET	R	REPL					
		CENTER LINE												%		EOP	EDGE OF PAVEMENT	LP	LIGHT POLE	RD	RAD					
		TEMPORARY CONSTRUCTION PERMIT LINE												#		EP	EQUAL	LGT	LIGHT	RIM	RISER					
																EQ	END OF RADIUS EXISTING EXPOSED	LHT	LIGHTING LEFT	REINF	REINFORCED, REINFORCING REQUIRED					
FEATURE LINETYPES			SEWER SYMBOLS																							
EXISTING		PROPOSED	DESCRIPTION		SYMBOL		DESCRIPTION																			
								COMMUNICATION SYMBOLS																		
								SYMBOL			DESCRIPTION															
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CALL BEFORE YOU DIG


EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG
(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



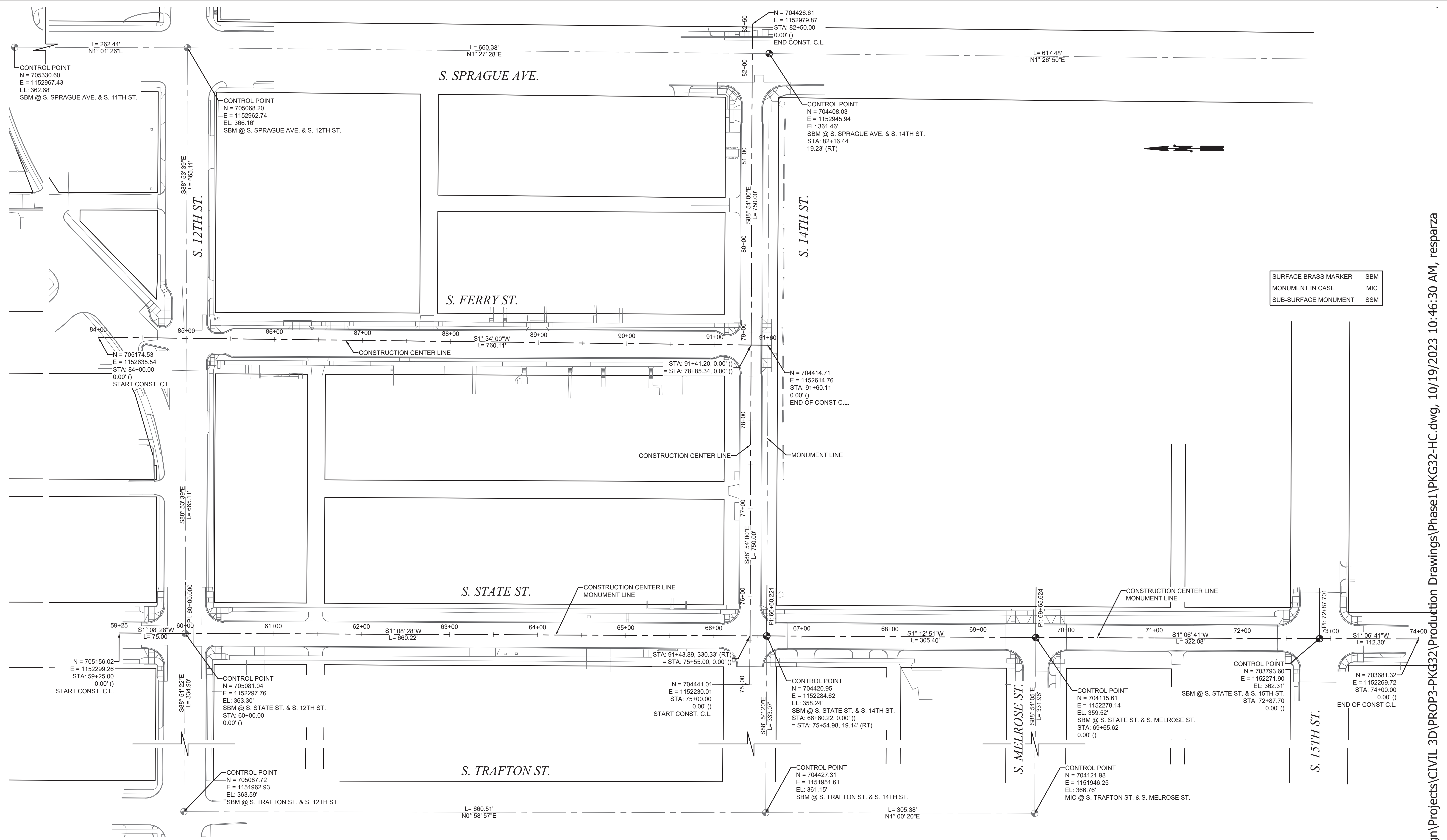
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FINAL CONSTRUCTION CHECKED		DATE	SCALE
BY	DESIGNED	SEPT 2023	1" = 50'
DATE	CHECKED	BW	DCS
FIELD BOOKS	DRAWN	REE	PROJECT NAME
	DRAWING NAME	PROP3 PKG32	PKG32-KM.DWG



CITY OF TACOMA	
DEPARTMENT OF PUBLIC WORKS	
DocuSigned by: <i>Jack Meluser</i> 57F124185F094A8 CITY ENGINEERING LIAISON MANAGER	KEYMAP STREET INITIATIVE PKG 32 VARIOUS LOCATIONS


PWK-00434-32	
SHEET NO.	3
SHEET	KM-1 OF KM-1



CALL BEFORE YOU DIG

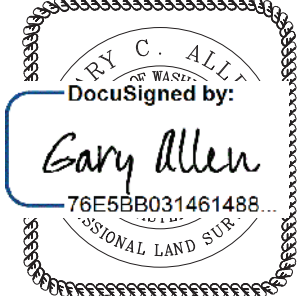
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

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NO	REVISION	DATE	APPD
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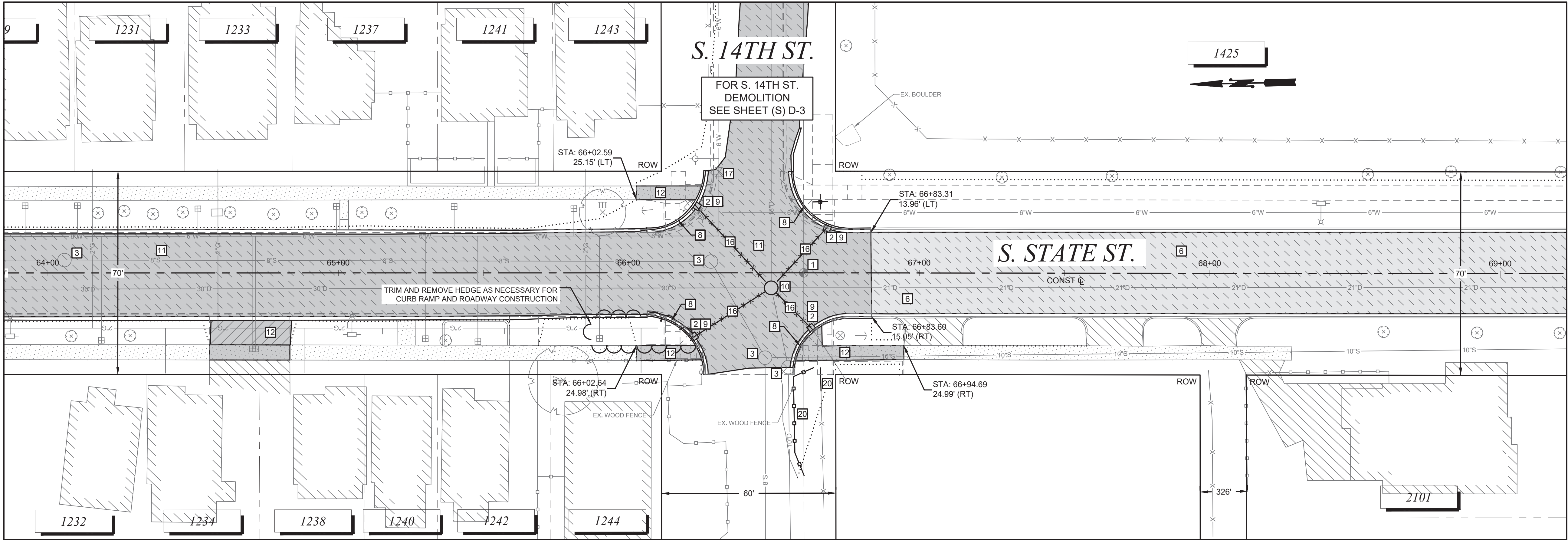
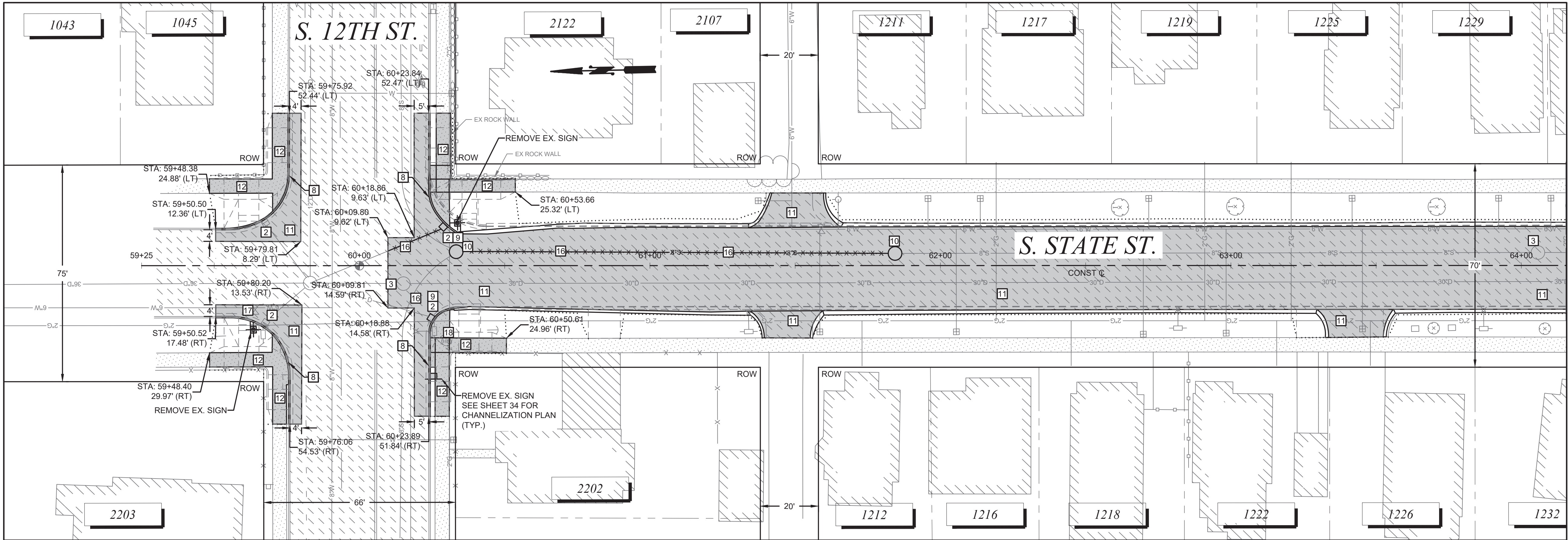
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FIELD BOOKS	DRAWING NAME PKG32-HC.DWG	



10/20/2023

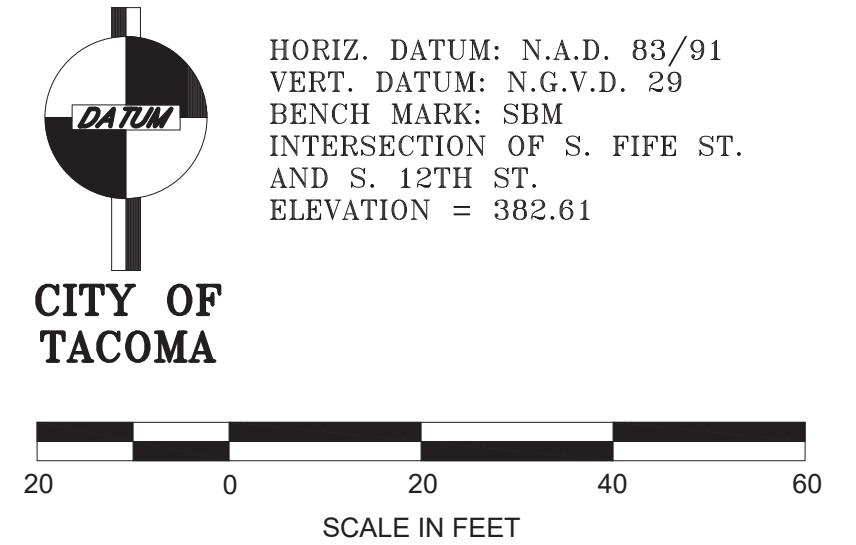
CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		PWK-00434-32
HORIZONTAL CONTROL STREET INITIATIVE PKG 32 VARIOUS LOCATIONS		
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SHEET NO.	4
SHEET	HC-1 OF HC-1



- ### DEMOLITION NOTES
- 1 REMOVE EXISTING SURVEY MONUMENT. IN ACCORDANCE WITH WAC 332-120, CITY OF TACOMA (COT) SURVEY WILL SUBMIT A DEPARTMENT OF NATURAL RESOURCES (DNR) APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT. WHEN COMPLETE, COT WILL NOTIFY CONTRACTOR WHEN TO PROCEED WITH REMOVAL OF EXISTING MONUMENT COMPLETELY. CONTRACTOR TO INSURE SUITABLE REMOVAL & RESPONSIBLE FOR INSTALLATION OF NEW 3" DIA. SURFACE BRASS DISK (DISK AND LOCATION TO BE PROVIDED BY COT). NEW DISK TO BE SET IN 12" DIA. CONCRETE AT 18" IN DEPTH PER COT STANDARD DWG. SU-01. CONTRACTOR TO PROVIDE ANY EXISTING, NON-DAMAGED, REMOVED MONUMENT CASES TO COT FOR RE-USE.
 - 2 PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
 - 3 ADJUST EXISTING MANHOLE OR CATCH BASIN TO GRADE PER SPECIFICATION 7-05
 - 4 TO BE ADJUSTED BY OTHERS
 - 5 TO BE RELOCATED BY OTHERS
 - 6 PLANE 0" TO 2" INCH EXISTING ASPHALT PER SPECIFICATION 5-04 AND DETAIL ON SHEET 9
 - 7 REMOVE PAVEMENT PER SPECIFICATION 2-14
 - 8 REMOVE CURB AND GUTTER PER SPECIFICATION 2-15
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DATE

APPD

FINAL
CONSTRUCTION
CHECKED

DATE
SEPT 2023

DESIGNED
BW

DRAWN
REE

FIELD BOOKS

CHECKED
DCS

PROJECT NAME
PROP3 PKG32

DRAWING NAME
PKG-32-D.DWG

DATE
10/20/2023

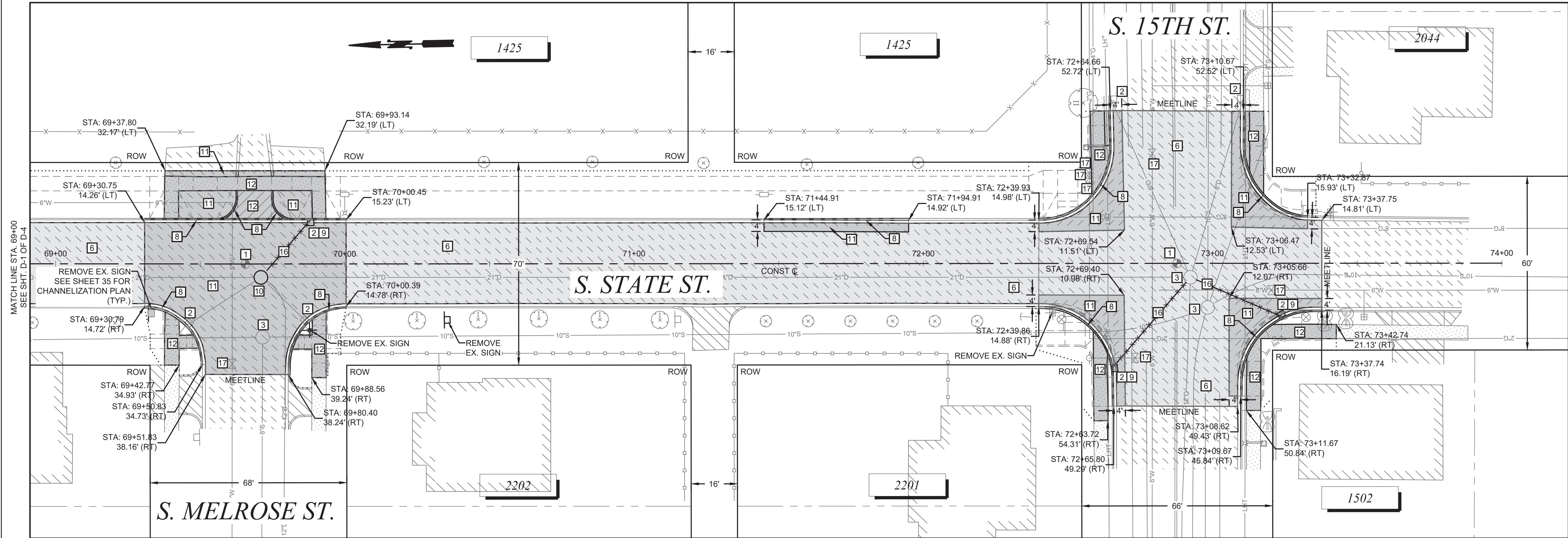


DocuSigned by:
Jack McInerney
57F124185F684A8 JAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DEMOLITION PLAN
STREET INITIATIVE PKG 32
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32
SHEET NO. 5
SHEET D-1 OF D-4

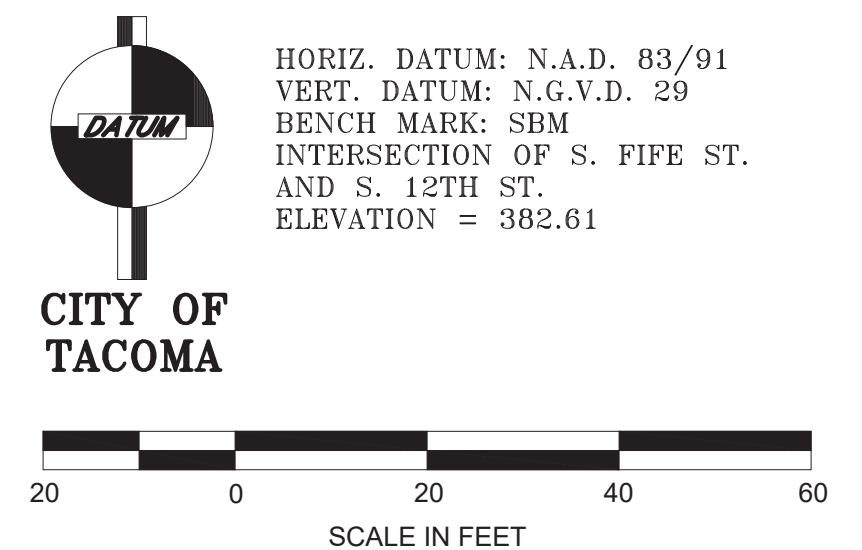


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FINAL CONSTRUCTION CHECKED	DATE	SCALE
	SEPT 2023	1" = 20'

DESIGNED	CHECKED
BW	DCS

DRAWN	PROJECT NAME
REE	PROP3 PKG32

FIELD BOOKS	DRAWING NAME
	PKG-32-D.DWG



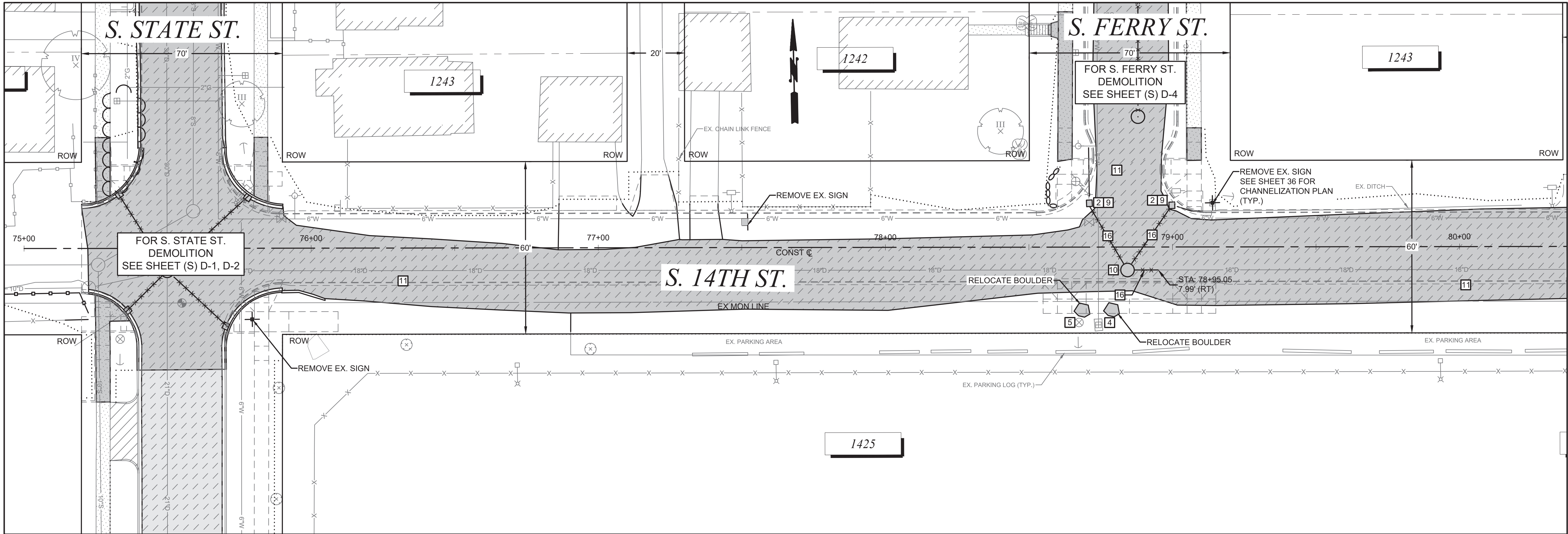
DocuSigned by:
Jack McInerney
57F124185F684A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DEMOLITION PLAN
STREET INITIATIVE PKG 32
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32

SHEET NO. **6**
SHEET D-2 OF D-4

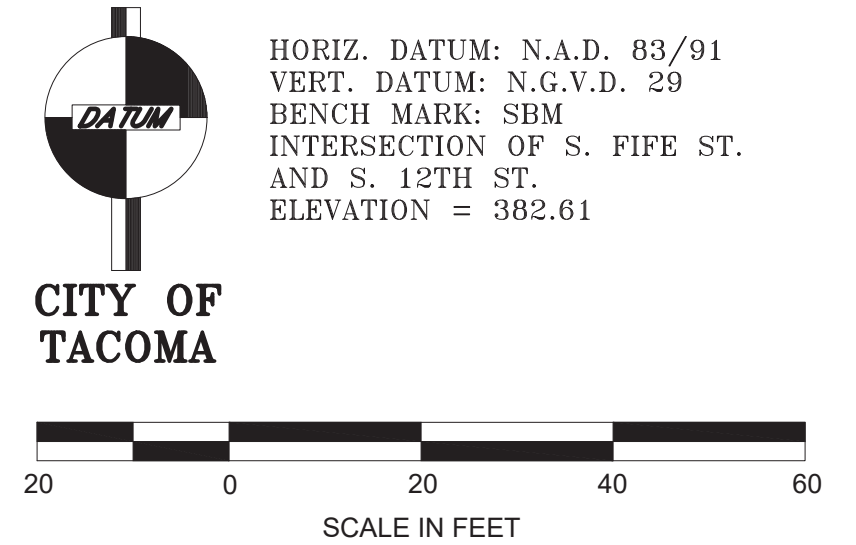
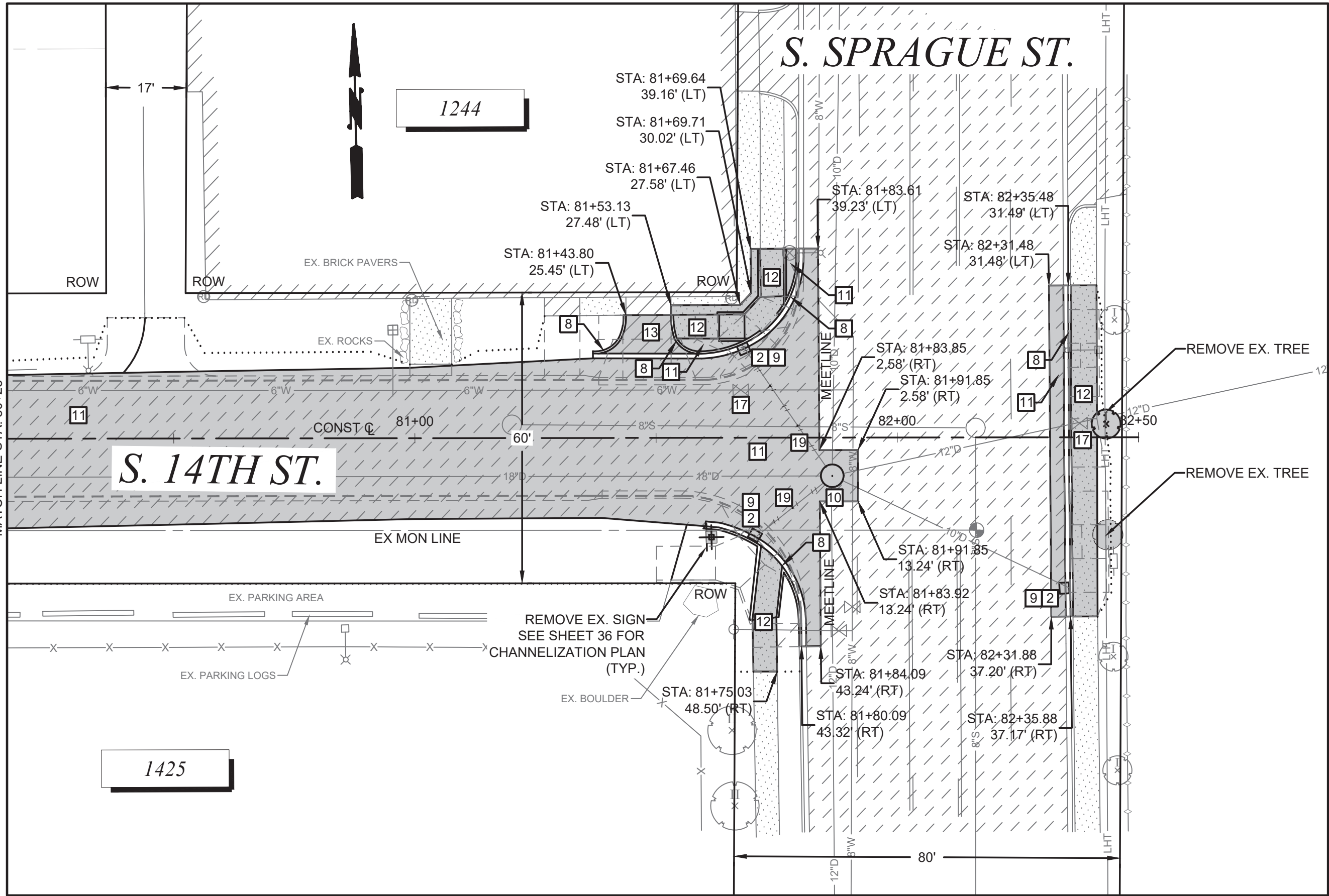


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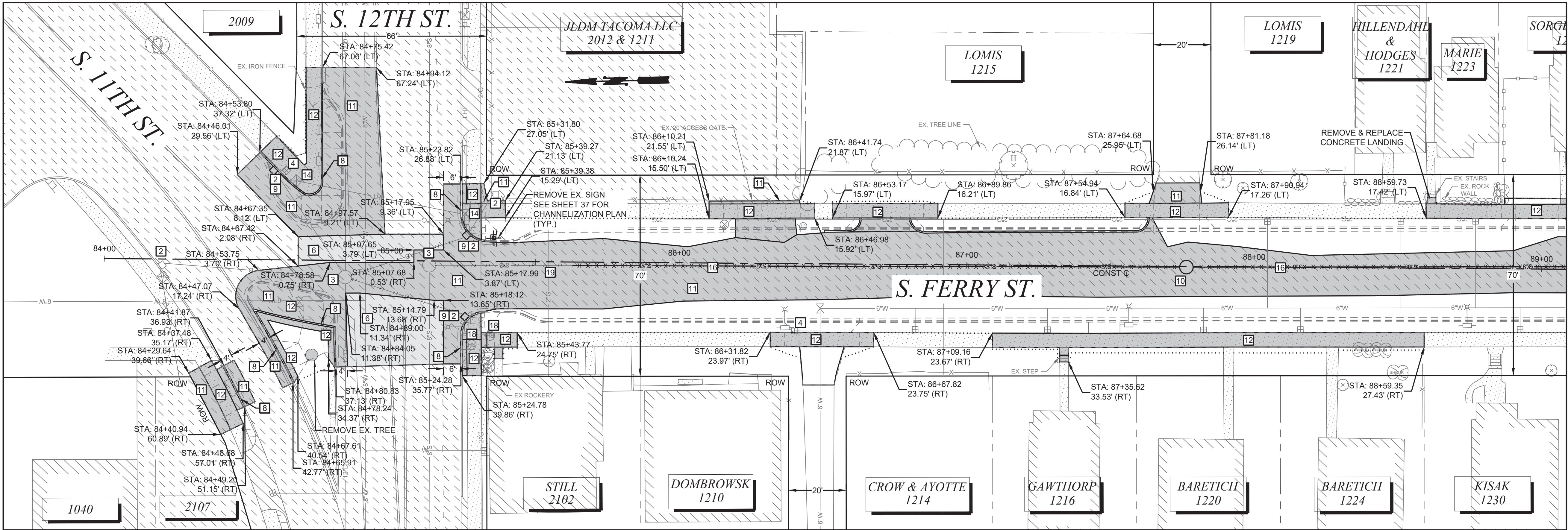
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DRAWING NAME
PKG-32-D.DWG

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CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		PWK-00434-32
DEMOLITION PLAN STREET INITIATIVE PKG 32 S. 14TH ST. FROM S. STATE ST. TO S. SPRAGUE AVE.		SHEET NO. 7 SHEET D-3 OF D-4

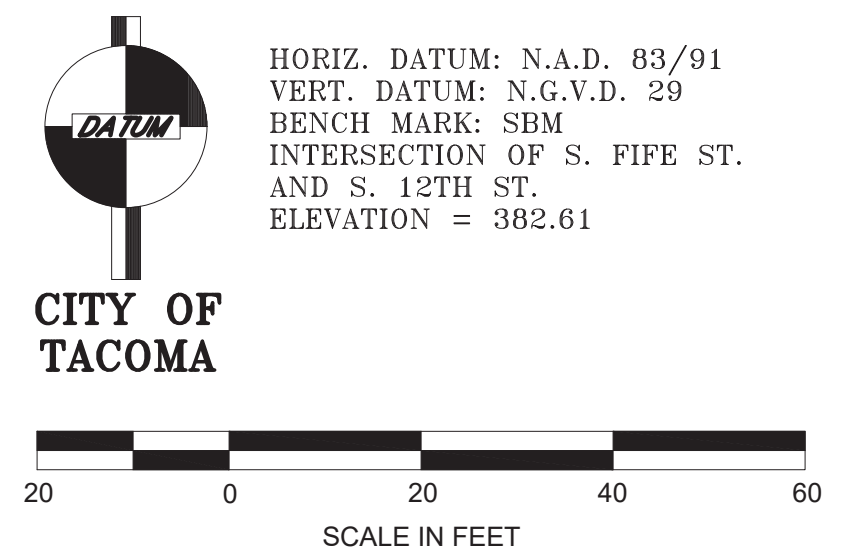


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DRAWN
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PROJECT NAME
PROP3 PKG32

FIELD BOOKS

DRAWING NAME
PKG-32-D.WG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:

Jack McInerney

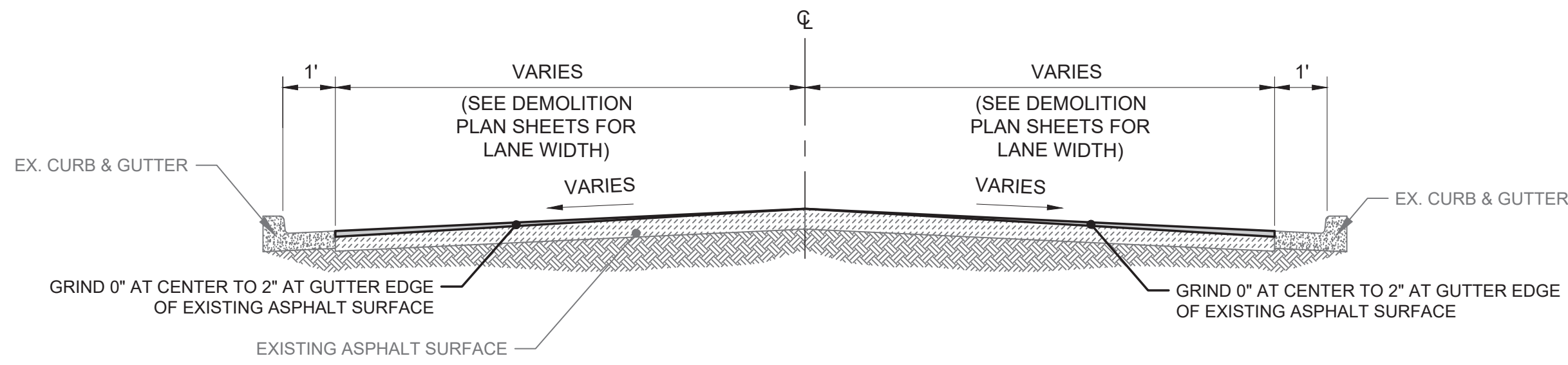
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DEMOLITION PLAN
STREET INITIATIVE PKG 32
S. FERRY ST. FROM S. 12TH ST. TO S. 14TH ST.

PWK-00434-32

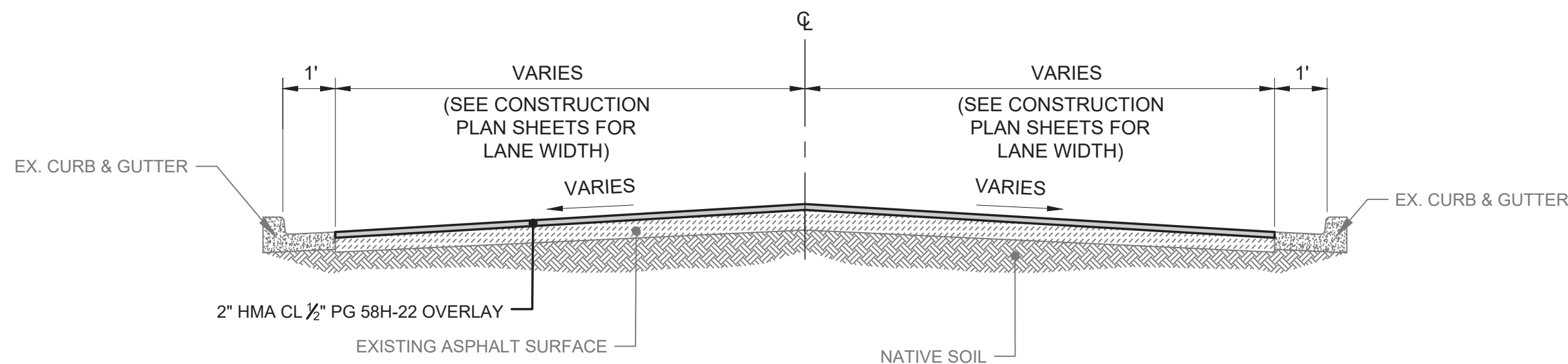
SHEET NO. 8

SHEET D-4 OF D-4



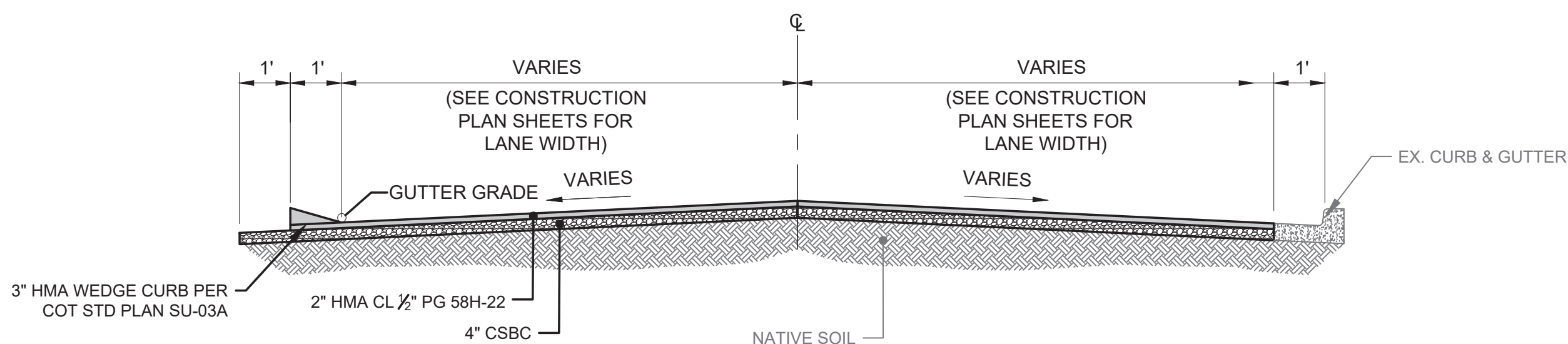
1-A
-
**TYPICAL DEMOLITION CROSS-SECTION
GRIND & OVERLAY**

STA: 66+83.59 TO 69+30.77
STA: 70+00.41 TO 72+39.86
N.T.S.



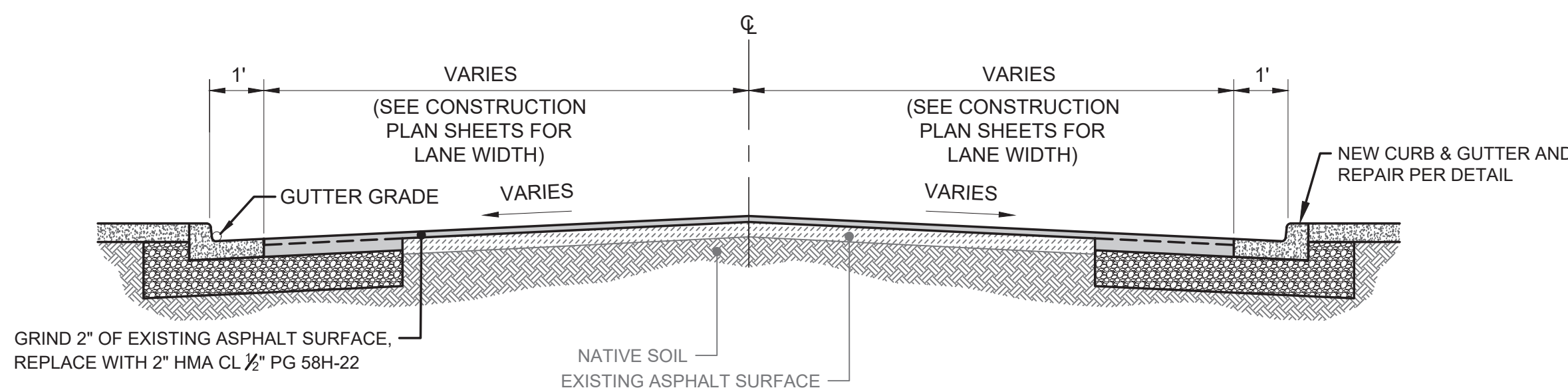
1-B
-
**TYPICAL CROSS-SECTION
GRIND & OVERLAY**

STA: 66+83.59 TO 69+30.77
STA: 70+00.41 TO 72+39.86
N.T.S.



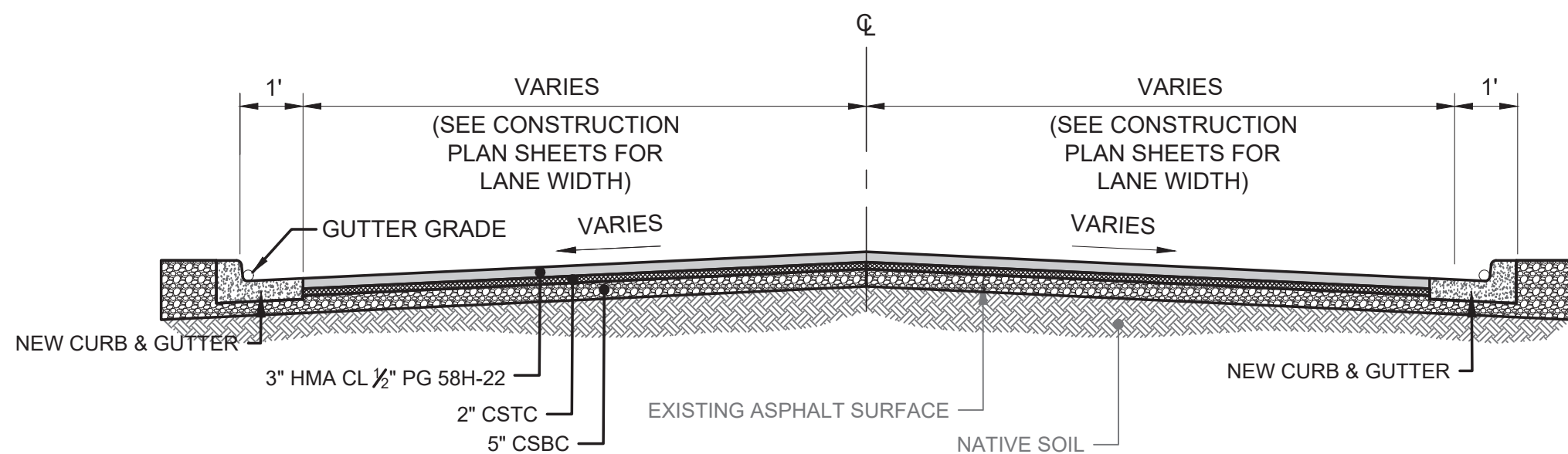
2
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**TYPICAL CROSS-SECTION
RESIDENTIAL STREET WEDGE CURB & GUTTER**

STA: 75+91.24 TO STA: 78+52.62
STA: 79+16.62 TO STA: 81+35.80
N.T.S.



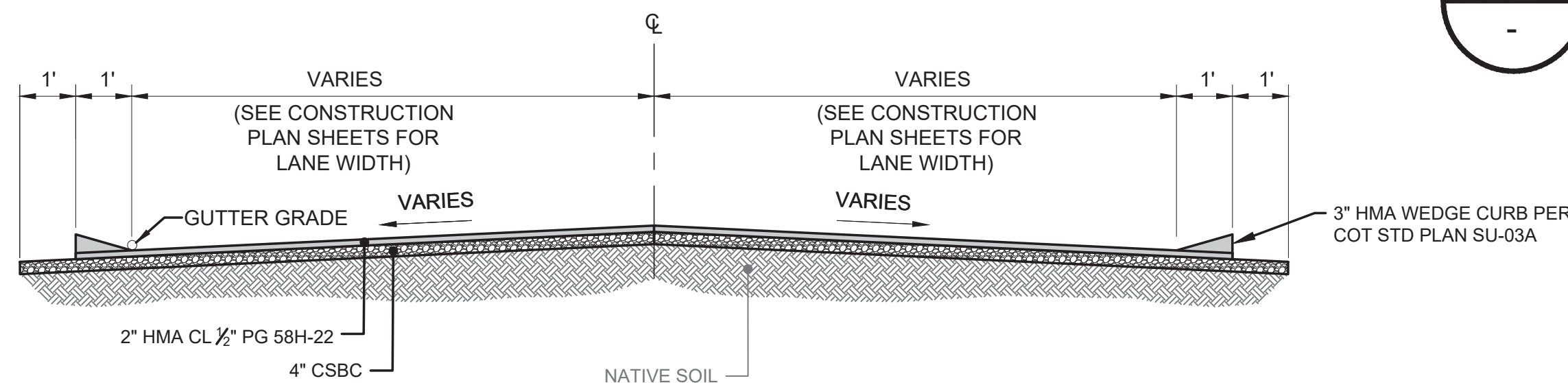
3
-
**TYPICAL CROSS-SECTION
GRIND & OVERLAY WITH NEW CURB & GUTTER**

STA: 72+39.85 TO STA: 73+37.75
N.T.S.



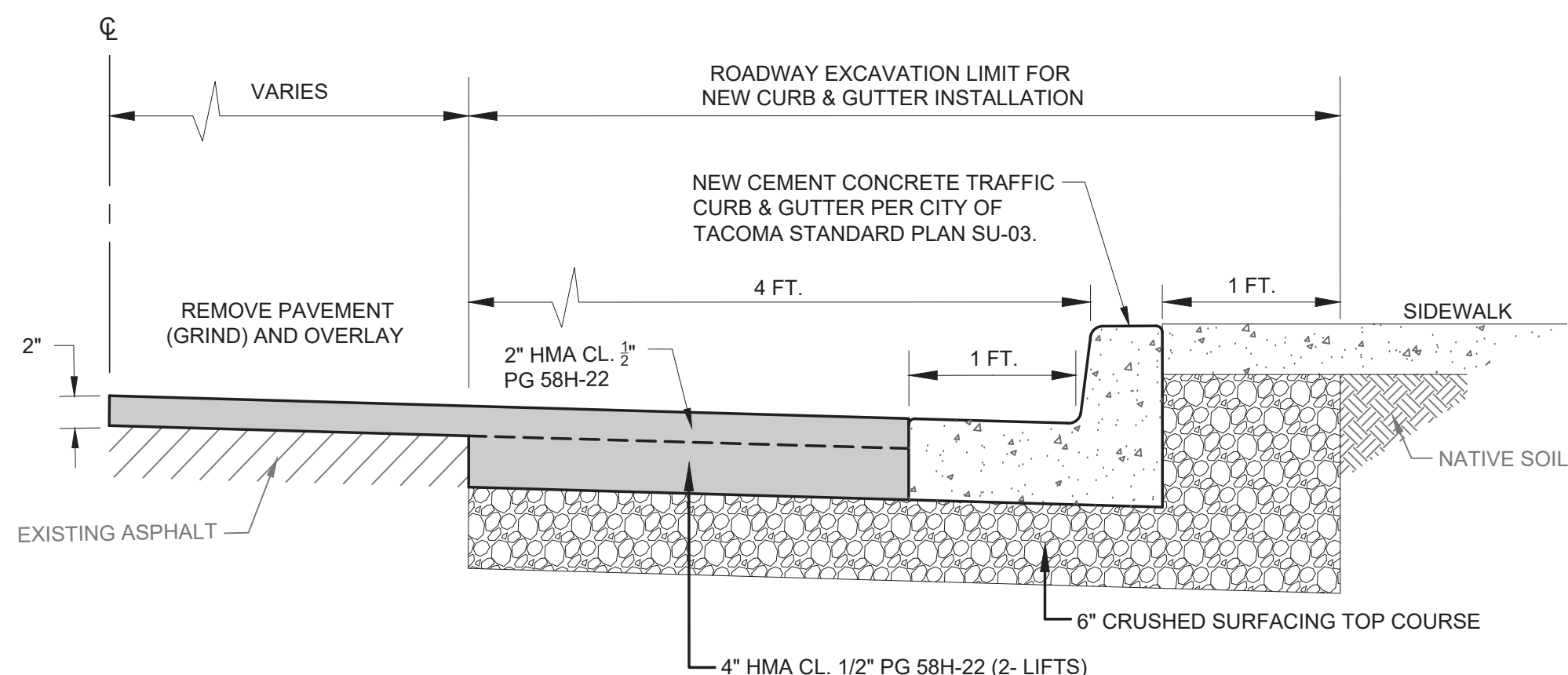
4
-
**TYPICAL CROSS-SECTION
RESIDENTIAL STREET WITH CURB & GUTTER**

STA: 85+19.99 TO STA: 91+54.99
STA: 60+09.80 TO STA: 60+41.71
STA: 66+03.33 TO STA: 66+83.59
STA: 69+30.77 TO STA: 70+00.41
N.T.S.



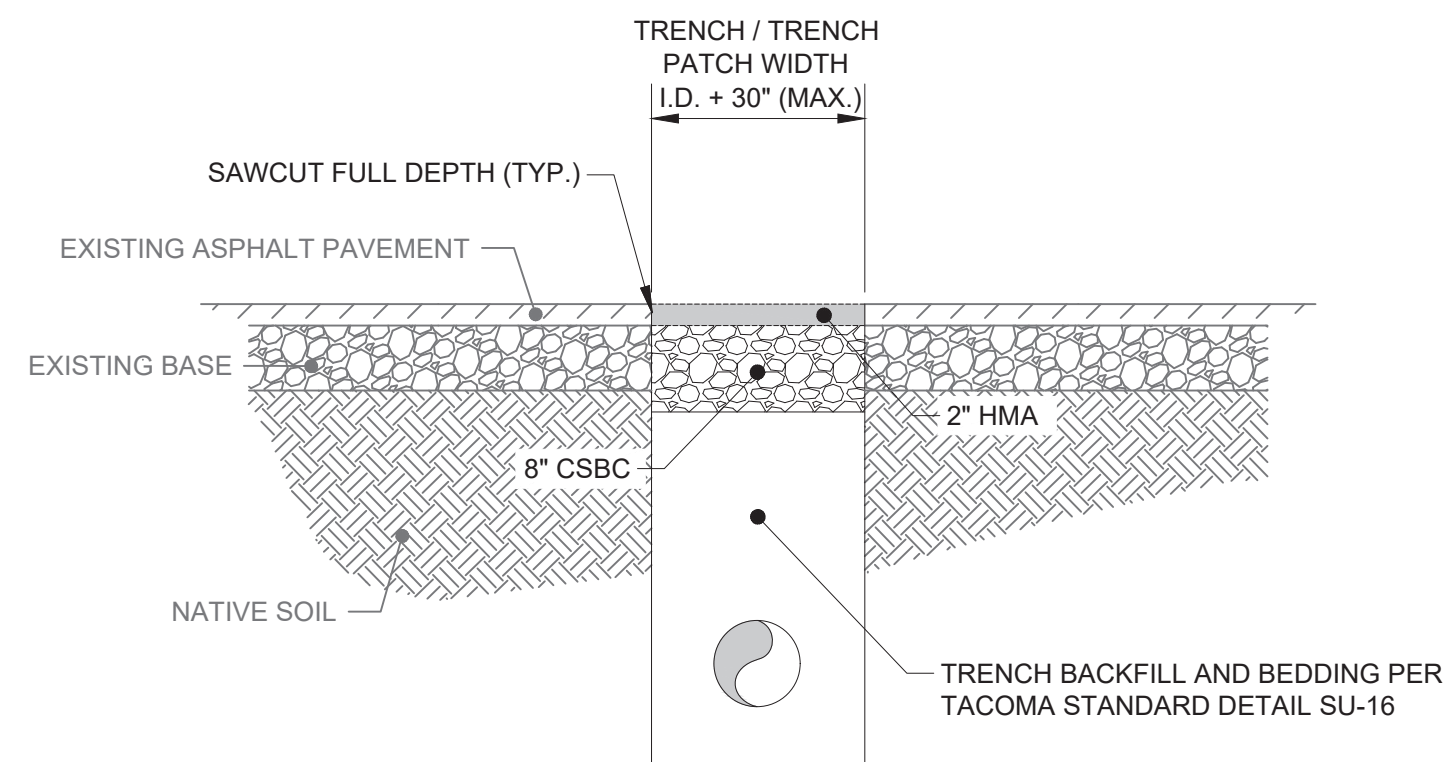
5
-
**TYPICAL CROSS-SECTION
RESIDENTIAL STREET
NORMAL CROWN WITH WEDGE CURB**

STA: 60+41.71 TO STA: 66+03.33
N.T.S.



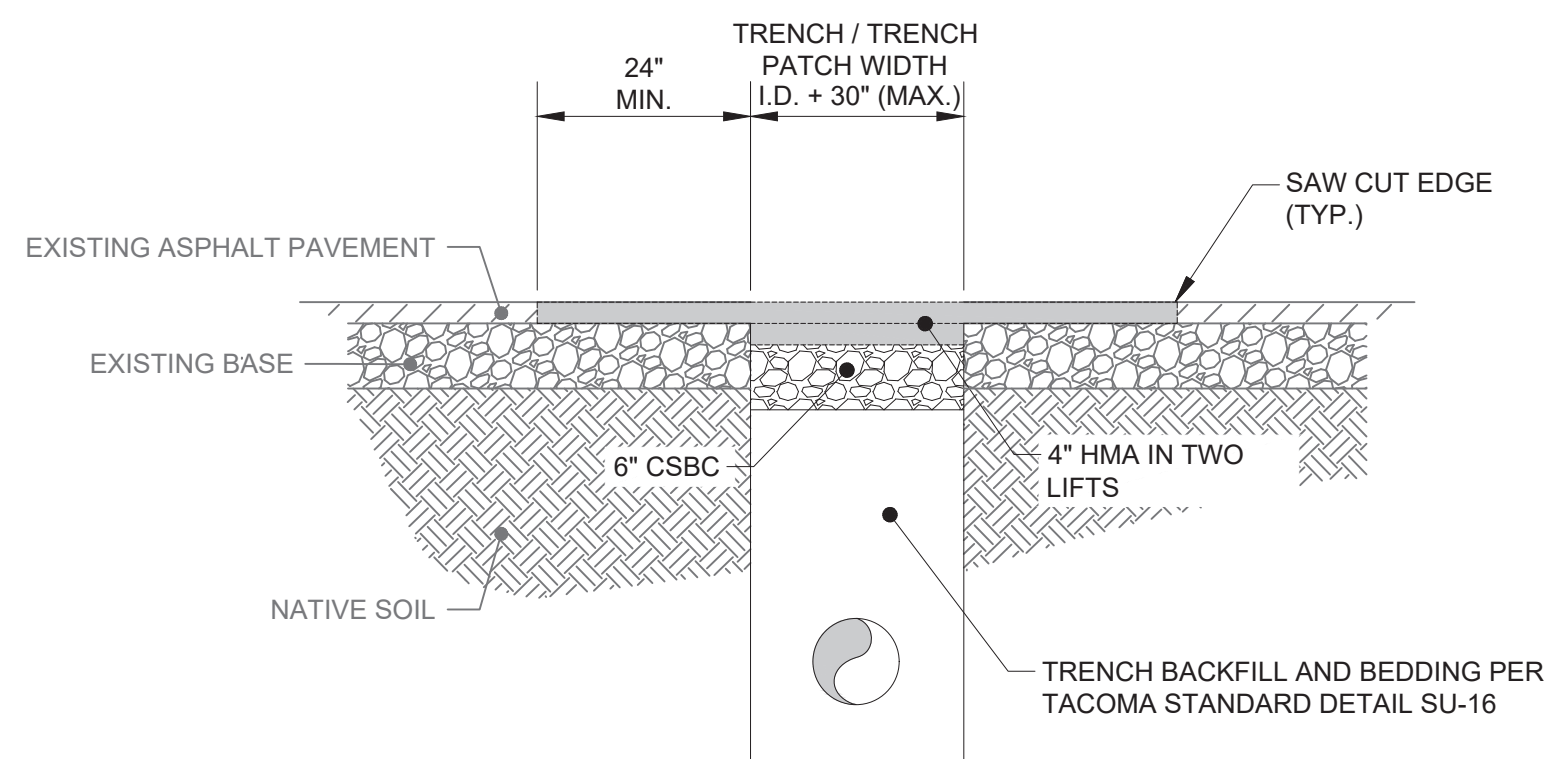
6
-
**TYPICAL ROADWAY EXCAVATION
NEW CONC. CURB & GUTTER INSTALLATION**

SEE PLANS
N.T.S.



7
-
**TEMPORARY HMA
PATCH TRENCH DETAIL**

SEE PLANS
N.T.S.



8
-
**HMA PATCH
TRENCH DETAIL**

SEE PLANS
N.T.S.

NOTE: PRIOR TO PLACING THE ASPHALT PATCH THE EXISTING PAVEMENT MUST BE SAW CUT NEATLY AT A MINIMUM OF 24" BEYOND THE DISTURBANCE CAUSED BY TRENCHING.

CALL BEFORE YOU DIG

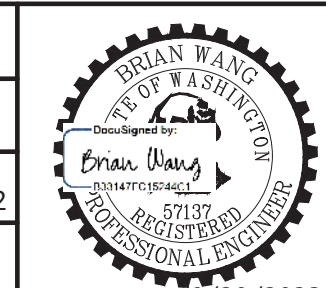
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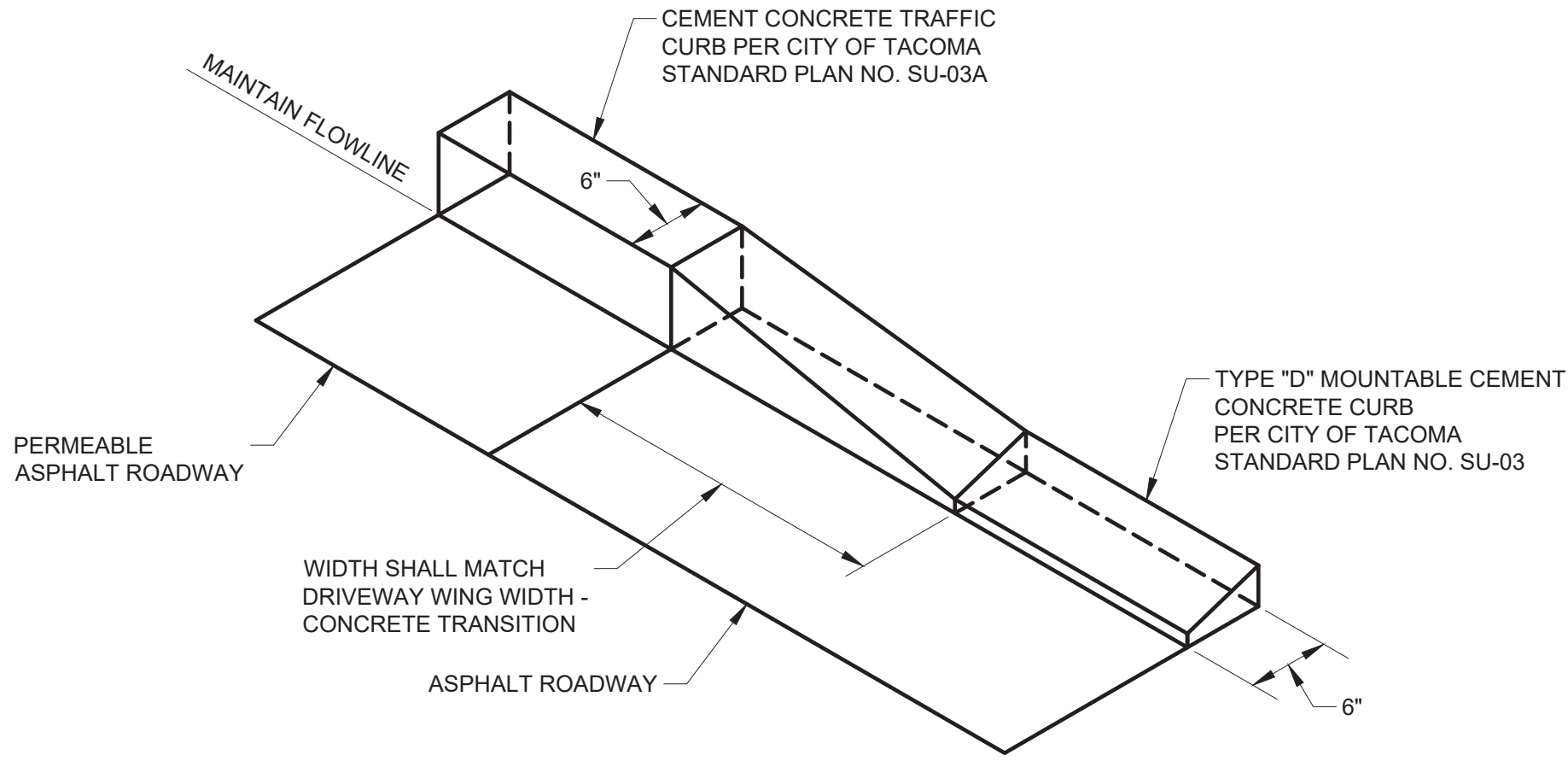
NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE N.T.S.
BY DESIGNED BW	CHECKED DCS	PROJECT NAME PROP3 PKG32
DATE DRAWN REE	PROJECT NAME PROP3 PKG32	DRAWING NAME PKG32-RS.DWG
FIELD BOOKS	DRAWING NAME PKG32-RS.DWG	



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	
ROAD SECTION DETAILS STREET INITIATIVE PKG 32 VARIOUS LOCATIONS	
DocuSigned by: <i>Jack McInerney</i> 57F124185FB84A8	

PWK-00434-32	
SHEET NO. 9	
SHEET RS-1	OF RS-2

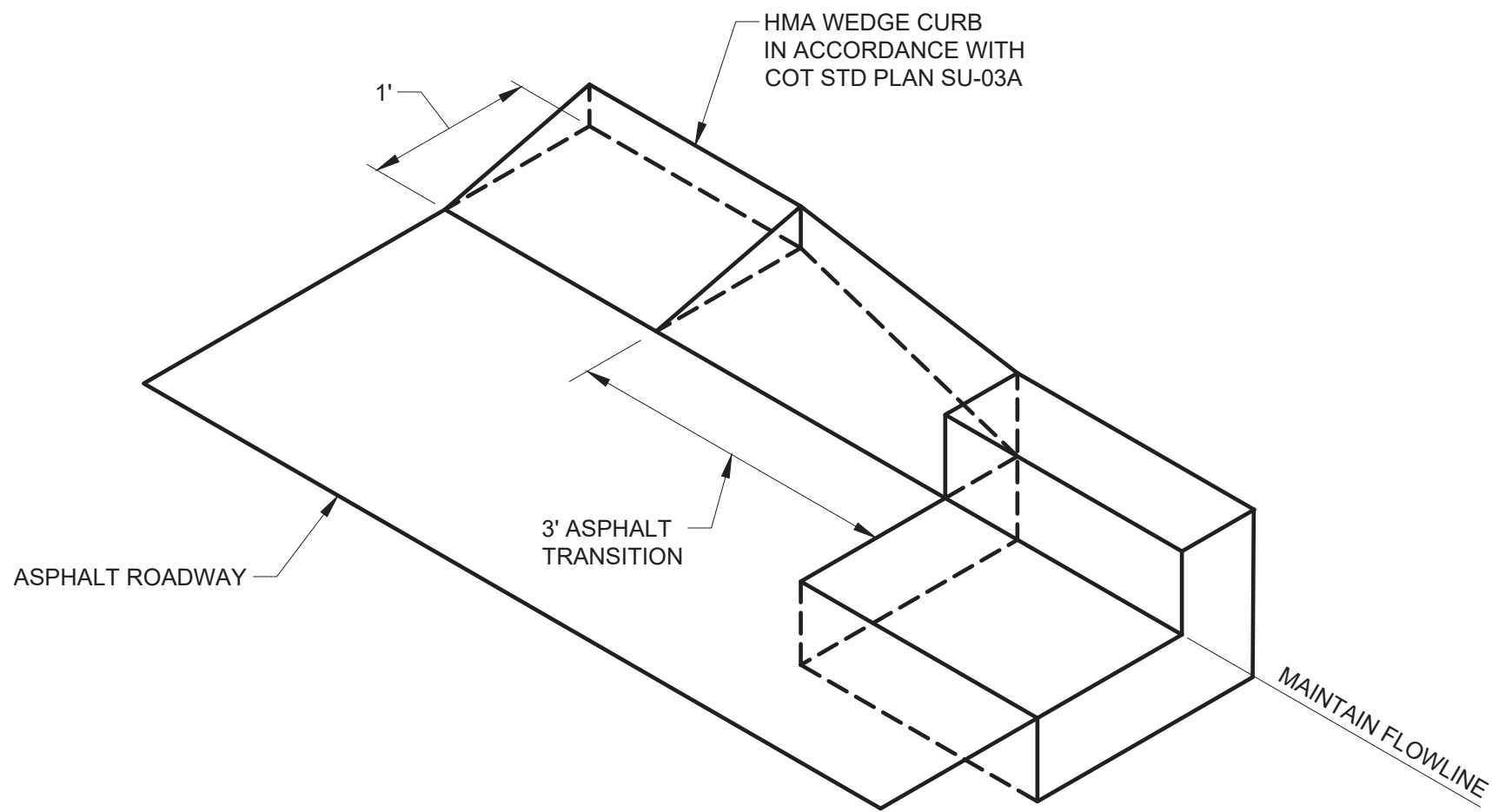


9

-

CURB AND GUTTER TO TYPE 'D' MOUNTABLE CURB TRANSITION DETAIL

N.T.S.



10

-

CURB AND GUTTER TO ASPHALT WEDGE CURB TRANSITION DETAIL

N.T.S.

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DocuSigned by:

Jack Meluser

57F124185FB84A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

ROAD SECTION DETAILS

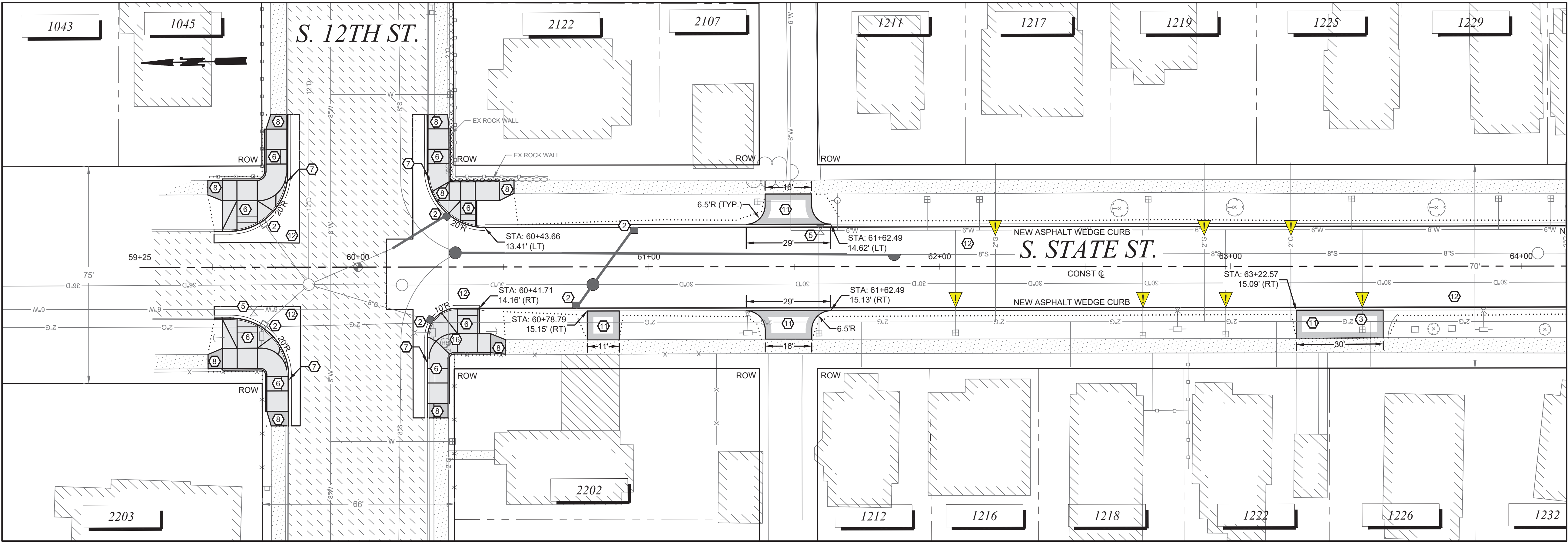
STREET INITIATIVE PKG 32

VARIOUS LOCATIONS

PWK-00434-32

SHEET NO. 10

SHEET RS-1 OF RS-2



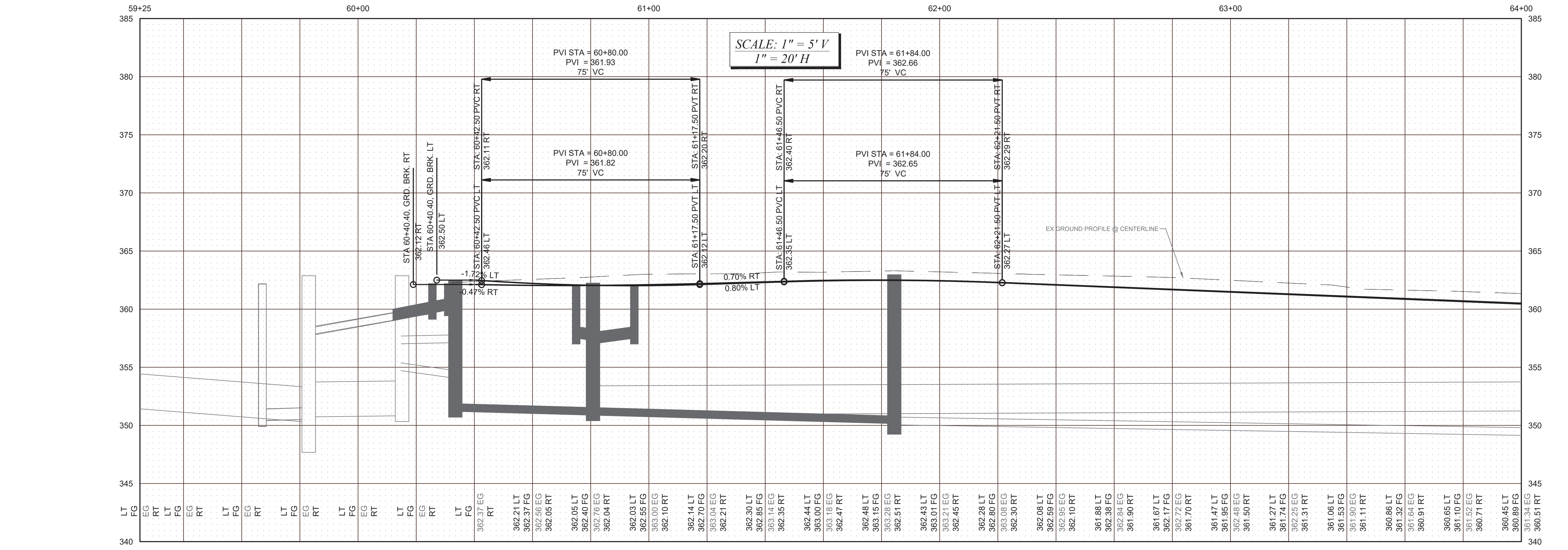
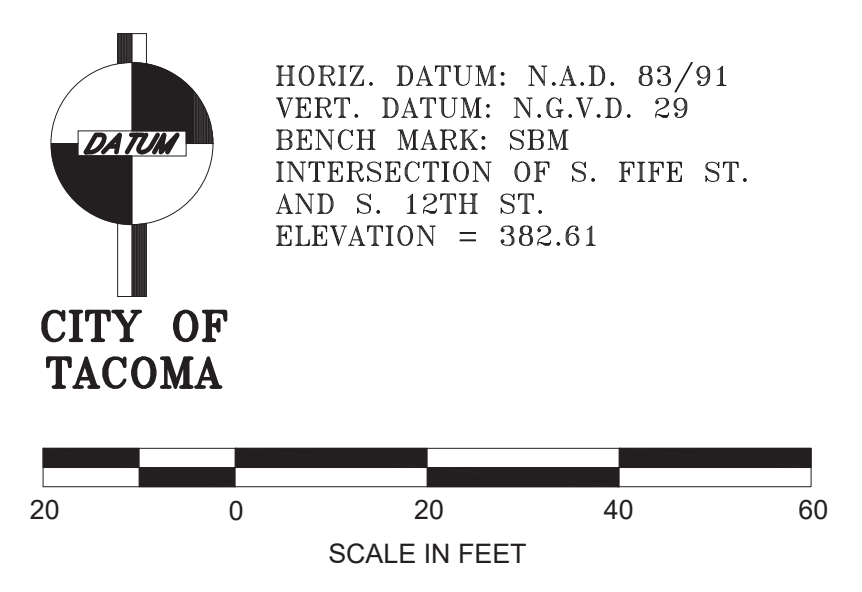
- CONSTRUCTION NOTES**
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 3. TO BE ADJUSTED BY OTHERS
 4. TO BE RELOCATED BY OTHERS
 5. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
 6. CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES AND PER THE DETAILS ON SHEETS 26-33
 7. CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03 AND SU-30
 8. CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
 9. CONST CEMENT CONC DRIVEWAY ENTRANCE TYPE 1 PER COT STD PLAN SU-07. REFER TO DRIVEWAY PLANS.
 10. CONST CEMENT CONC DRIVEWAY ENTRANCE TYPE 2 PER COT STD PLAN SU-07. REFER TO DRIVEWAY PLANS.
 11. GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING BASE COURSE
 12. CONSTRUCT HMA PAVEMENT (SEE ROAD CROSS SECTION)
 13. PLACE 2 INCH HMA CL 1/2 INCH PG-58H-22 OVERLAY
 14. CONSTRUCT 8" CEMENT CONCRETE PAVEMENT PAVEMENT OVER 2" CSTC
 15. REMOVE & RELOCATE JUNCTION BOX
 16. PRESERVE HISTORIC STAMP PER CITY OF TACOMA STANDARD PLAN SU-40
 17. GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE

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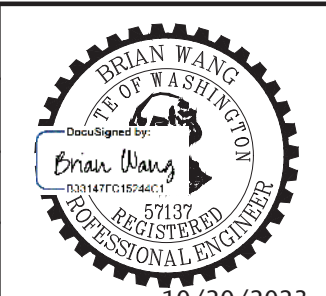
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NO		REVISION	DATE	APPD

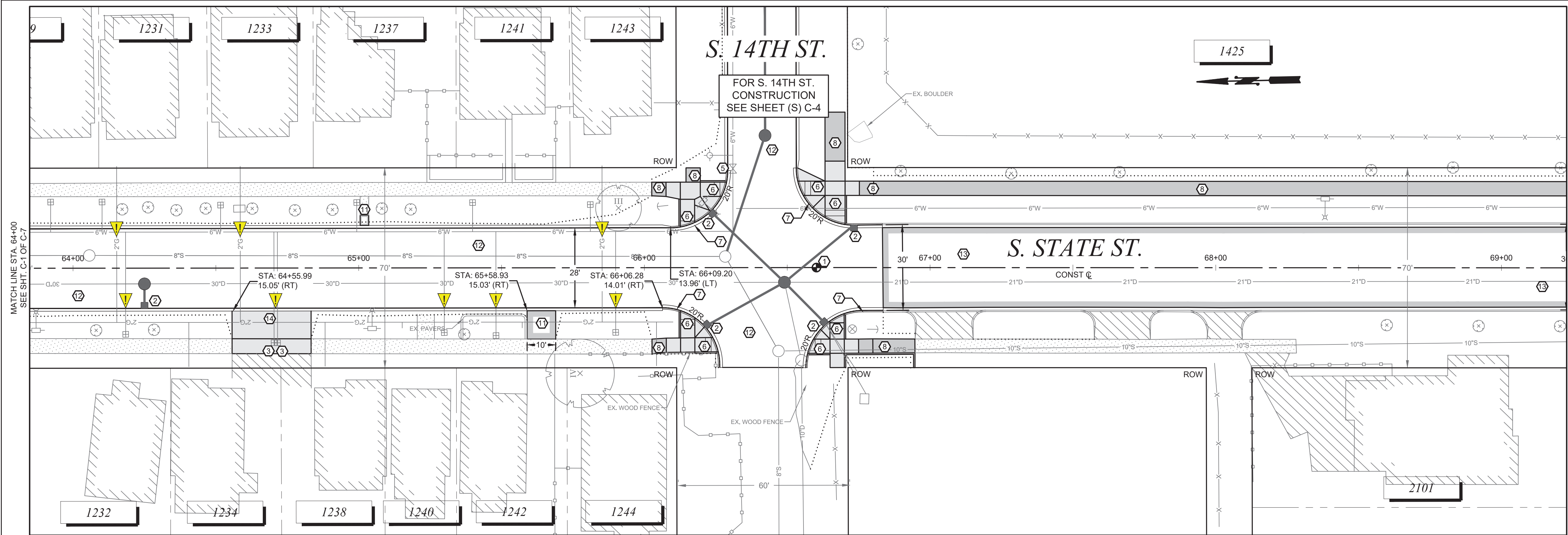
FINAL CONSTRUCTION CHECKED		DATE	SCALE
BY		OCT 2023	1" = 20'
DESIGNED		BW	DCS
DRAWN		REE	PROJECT NAME
FIELD BOOKS		PROP3 PKG32	PKG-32-C.DWG



DocuSigned by:
Jack McInerney
57F124185F684A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION PLAN & PROFILE
STREET INITIATIVE PKG 32
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32
SHEET NO. 11
SHEET C-1 OF C-7



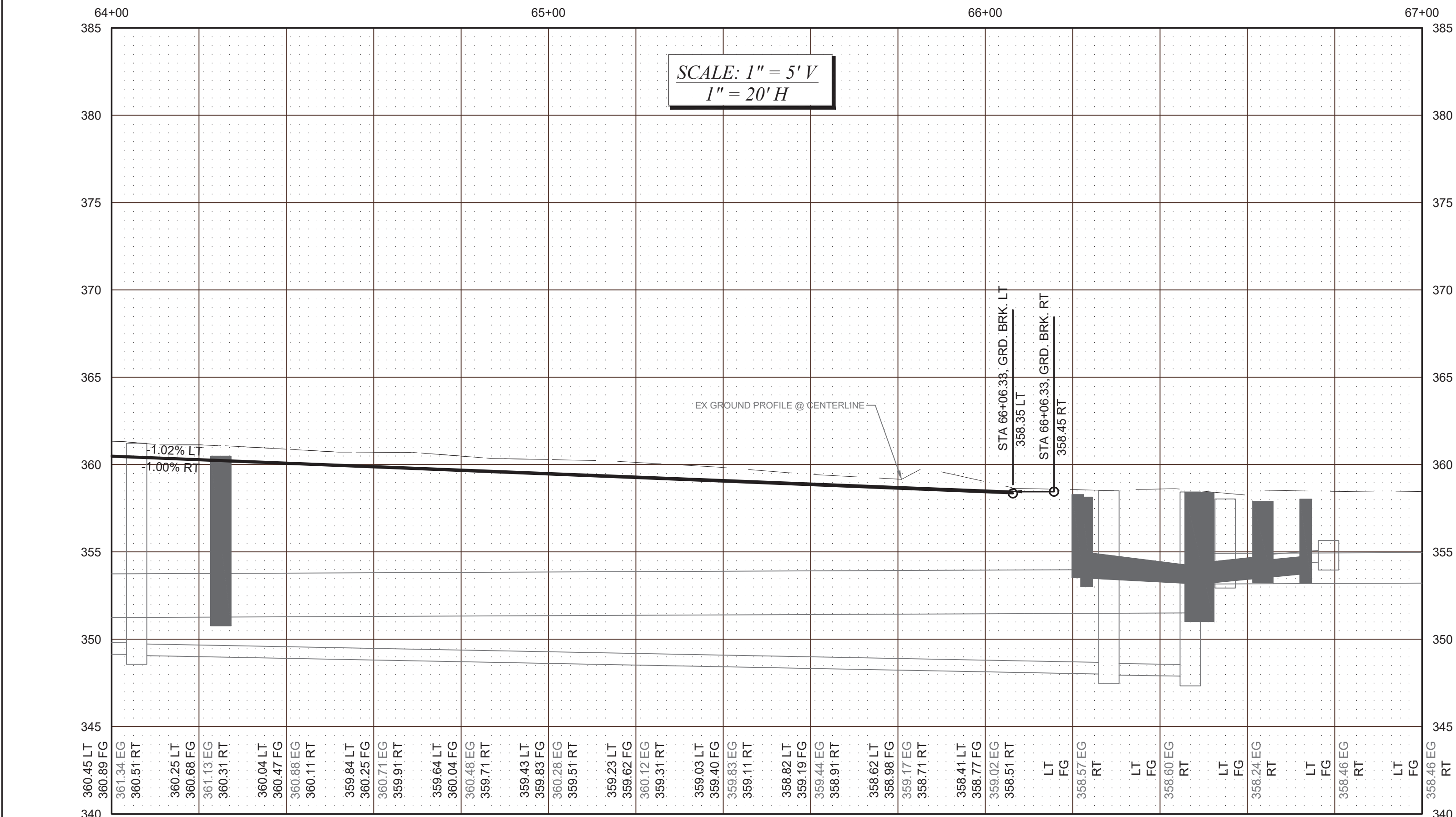
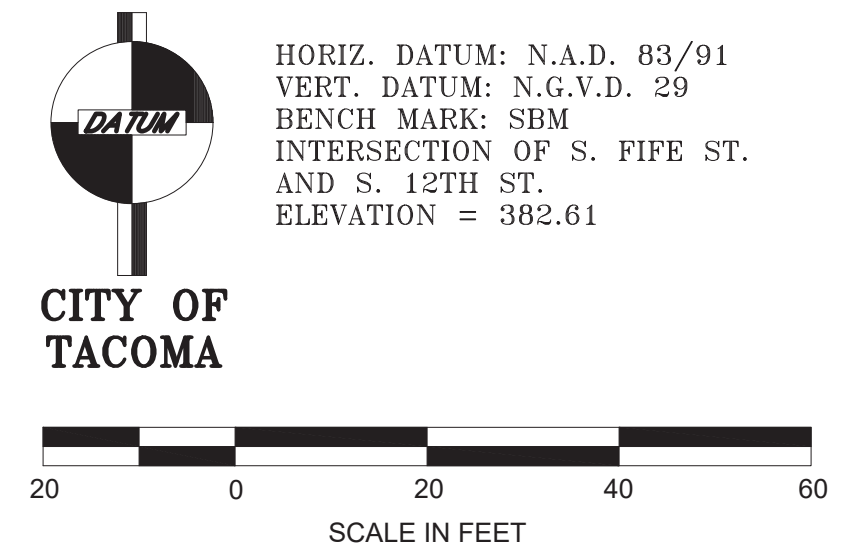
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1. CONSTRUCT BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
 2. PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
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 13. PLACE 2 INCH HMA CL 1/2 INCH PG-58H-22 OVERLAY
 14. CONSTRUCT 8" CEMENT CONCRETE PAVEMENT PAVEMENT OVER 2" CSTC
 15. REMOVE & RELOCATE JUNCTION BOX
 16. PRESERVE HISTORIC STAMP PER CITY OF TACOMA STANDARD PLAN SU-40
 17. GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE

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NO.	REVISION	DATE	APPD.
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FINAL CONSTRUCTION CHECKED	DATE	SCALE
	OCT 2023	1" = 20'

BY	DESIGNED	CHECKED
	BW	DCS

DATE	DRAWN	PROJECT NAME
	REE	PROP3 PKG32

FIELD BOOKS	DRAWING NAME
	PKG-32-C.DWG

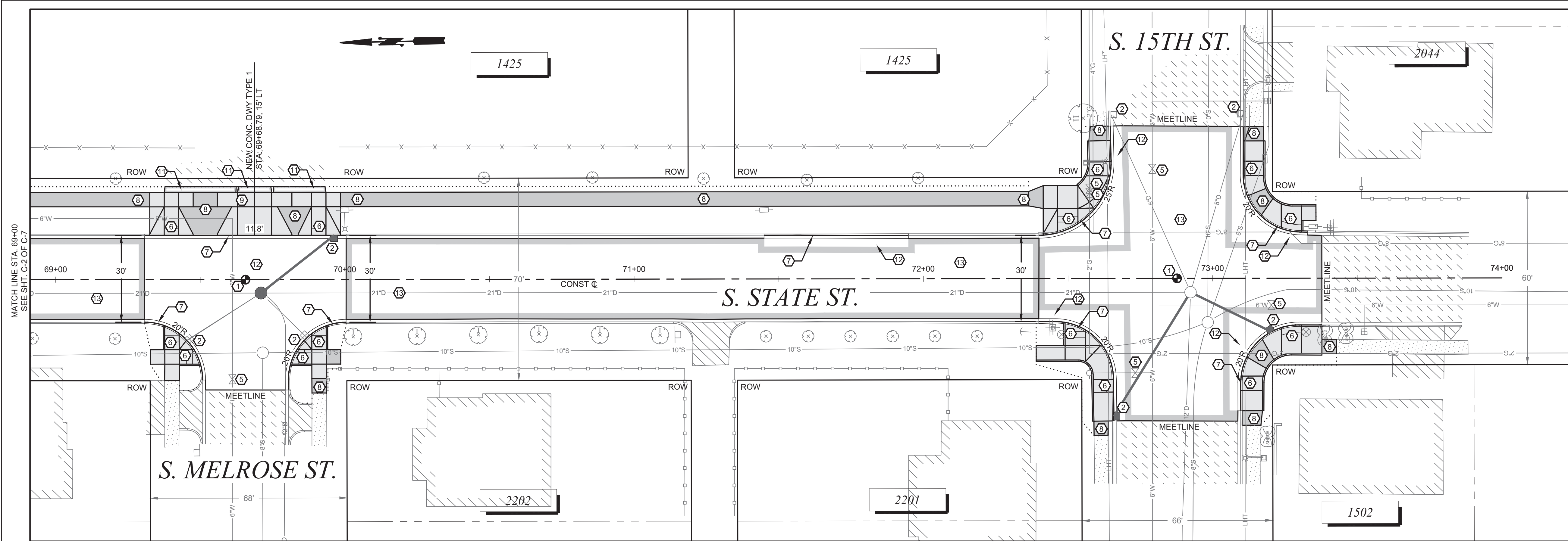
CITY OF TACOMA	
DEPARTMENT OF PUBLIC WORKS	
CONSTRUCTION PLAN & PROFILE	
STREET INITIATIVE PKG 32	
S. STATE S.T FROM S. 12TH ST. TO S. 15TH ST.	

DocuSigned by:

57F124185FB84A8

10/20/2023

PWK-00434-32	
SHEET NO.	12
SHEET	C-2 OF C-7

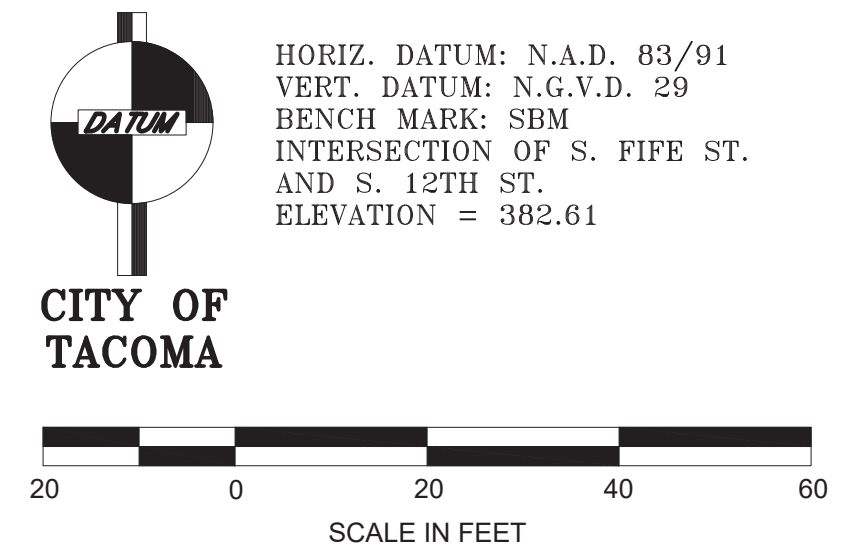


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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	OCT 2023	1" = 20'

DESIGNED	CHECKED
BW	DCS

DRAWN	PROJECT NAME
REE	PROP3 PKG32

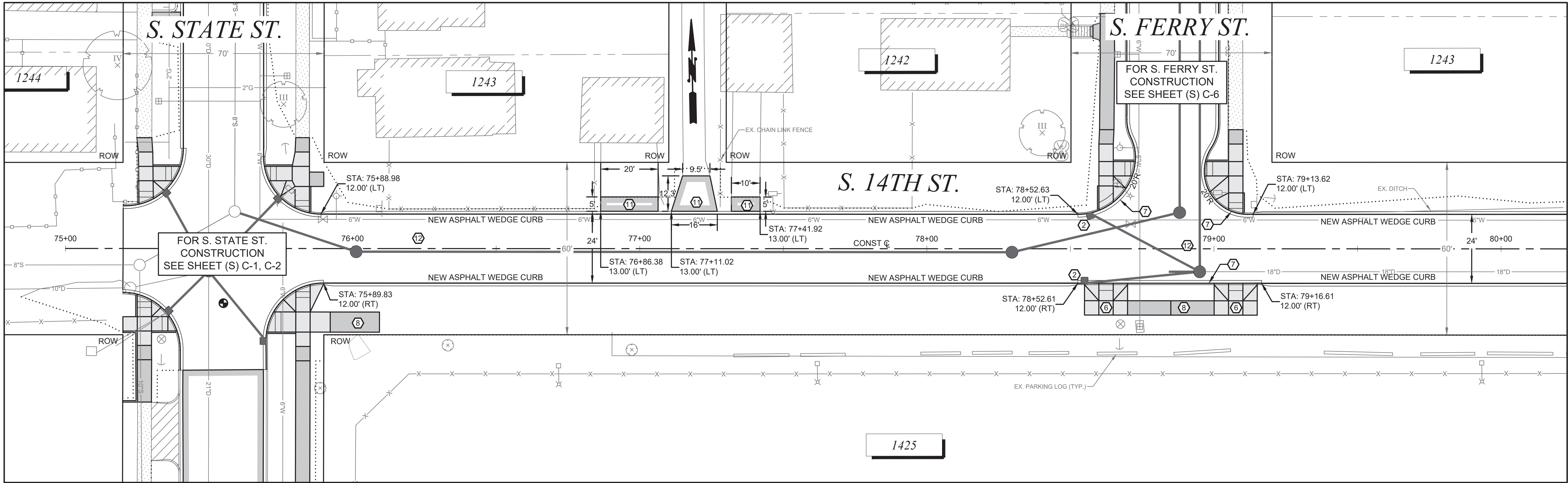
DRAWING NAME
PKG-32-C.DWG



DocuSigned by:
Jack McInerney
57F124185F684A8

CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	
CONSTRUCTION PLAN	
STREET INITIATIVE PKG 32 S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.	

PWK-00434-32	
SHEET NO.	13
SHEET	C-3 OF C-7

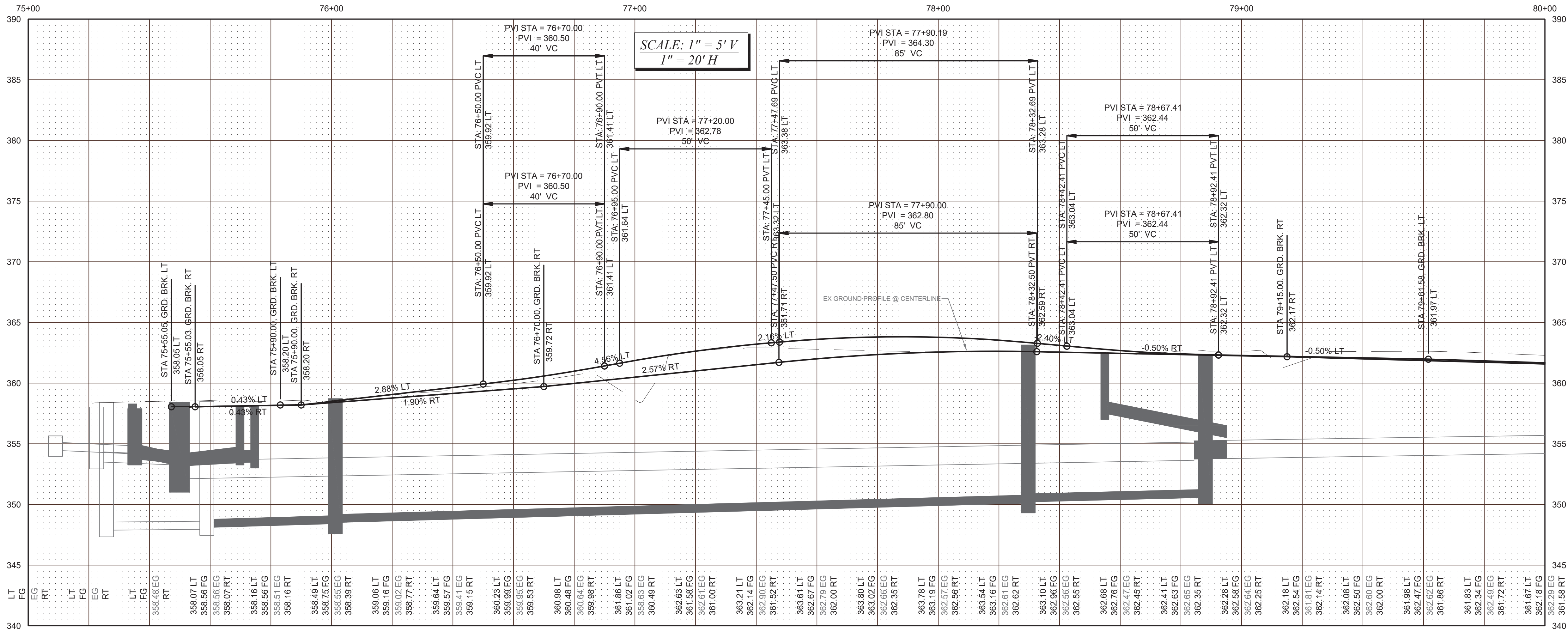


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CITY OF TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

SCALE IN FEET

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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE OCT 2023	SCALE 1" = 20'
DESIGNED BW	CHECKED DCS	PROJECT NAME PROP3 PKG32
DRAWN REE	DRAWING NAME PKG-32-C.DWG	DATE 10/20/2023

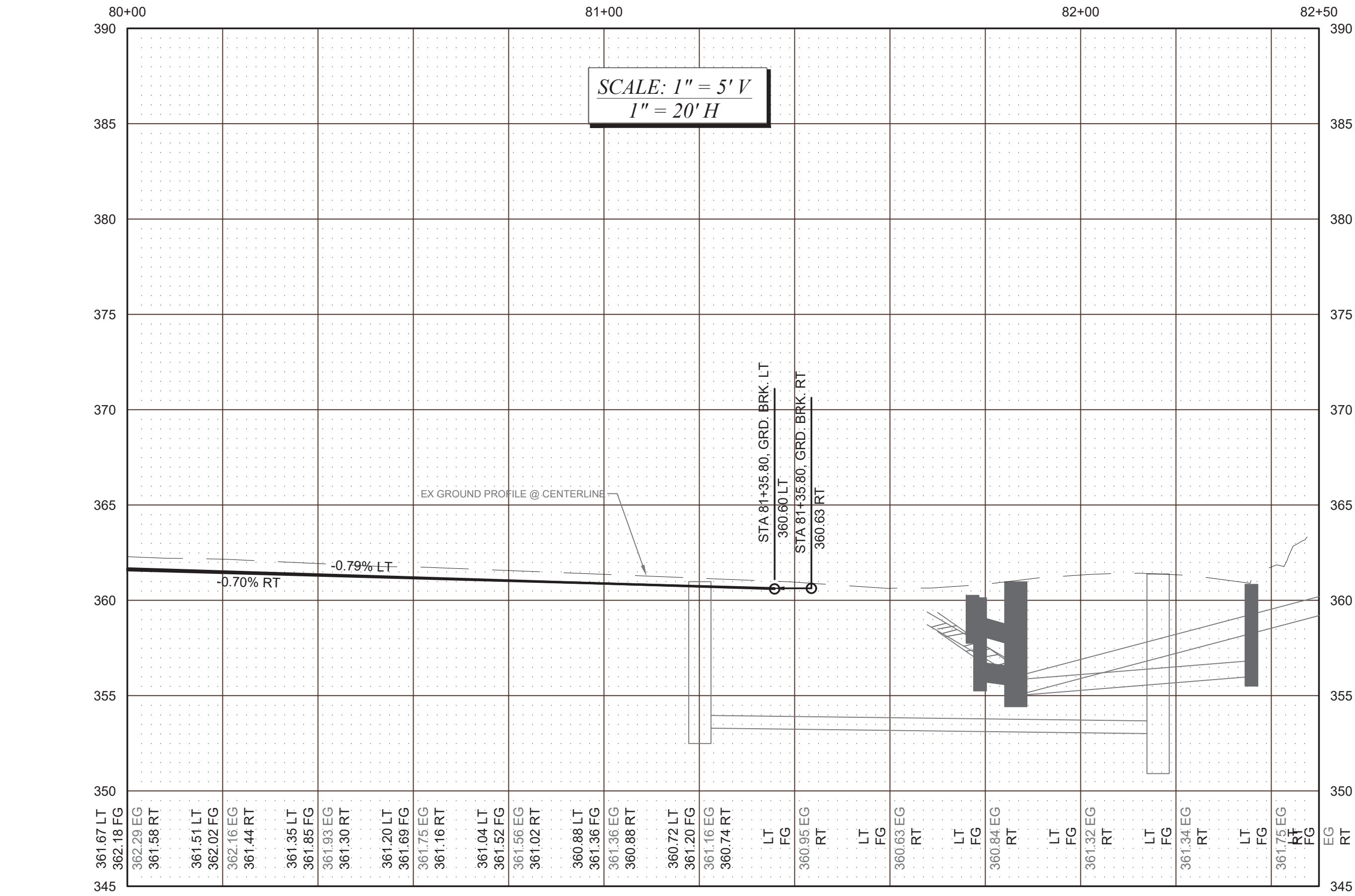
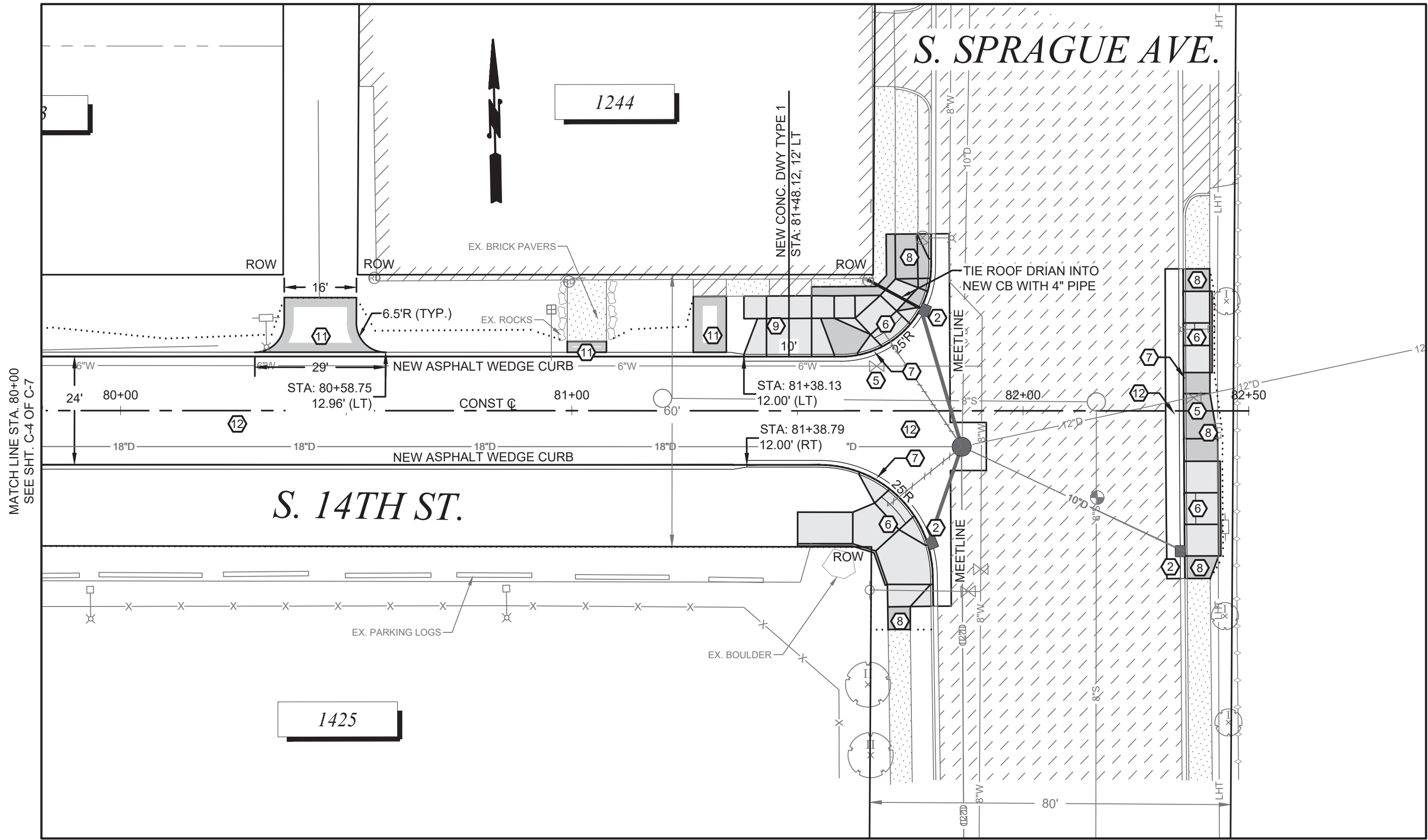


CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLAN & PROFILE
STREET INITIATIVE PKG 32
S. 14TH ST. FROM S. STATE ST. TO S. SPRAGUE AVE.

PWK-00434-32

SHEET NO. 14
SHEET C-4 OF C-7

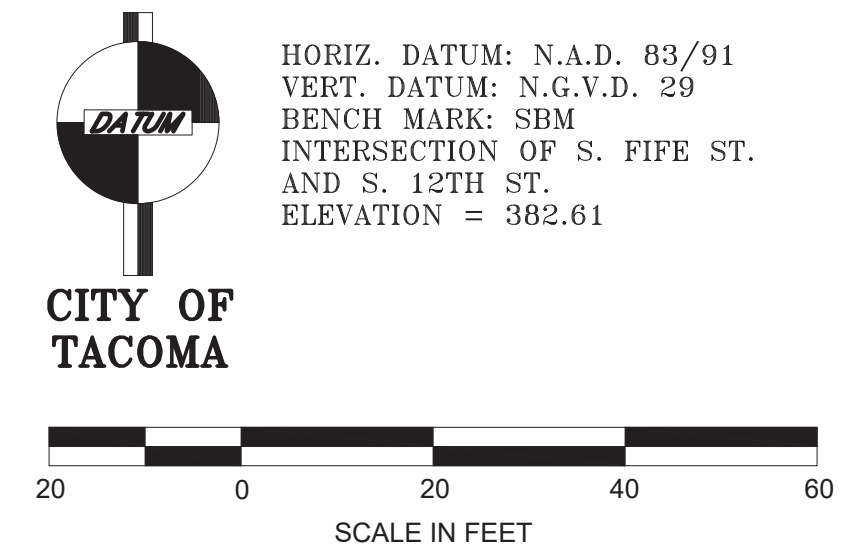


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Tacoma

NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

DATE

SCALE

DESIGNED

CHECKED

DRAWN

PROJECT NAME

FIELD BOOKS

DRAWING NAME

CITY OF TACOMA

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLAN & PROFILE

STREET INITIATIVE PKG 32

S. 14TH ST. FROM S. STATE ST. TO S. SPRAGUE AVE.

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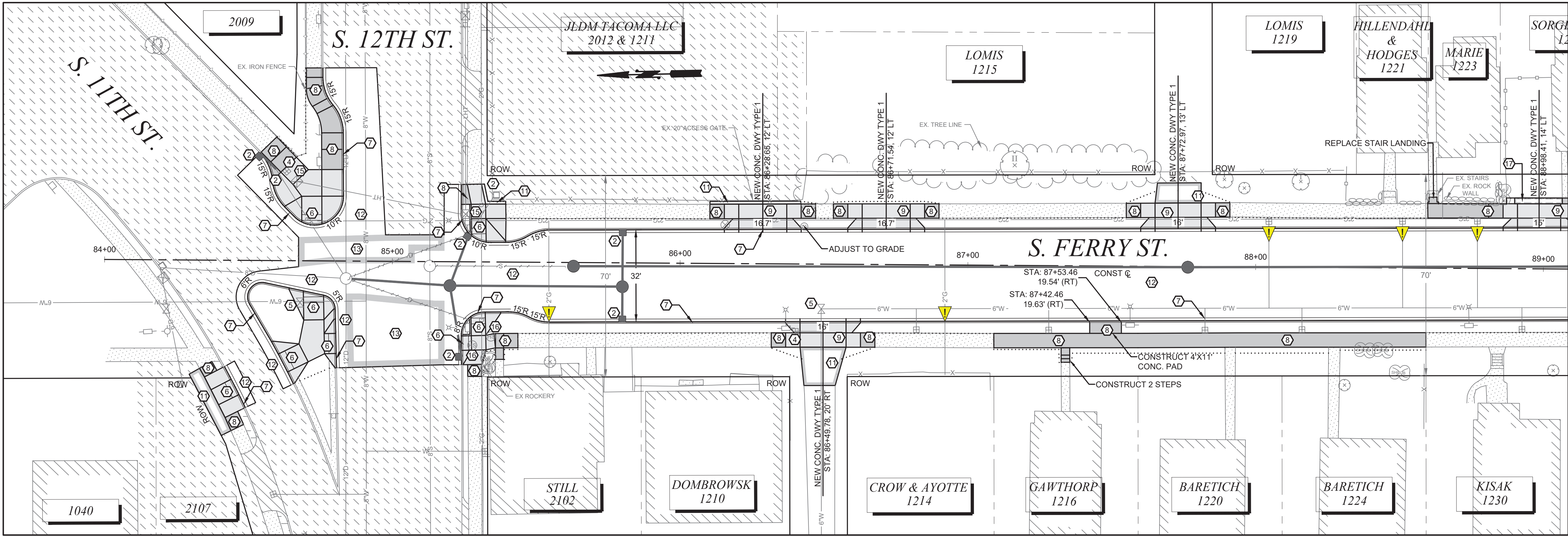
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10/20/2023

PWK-00434-32

SHEET NO. 15

SHEET C-5 OF C-7



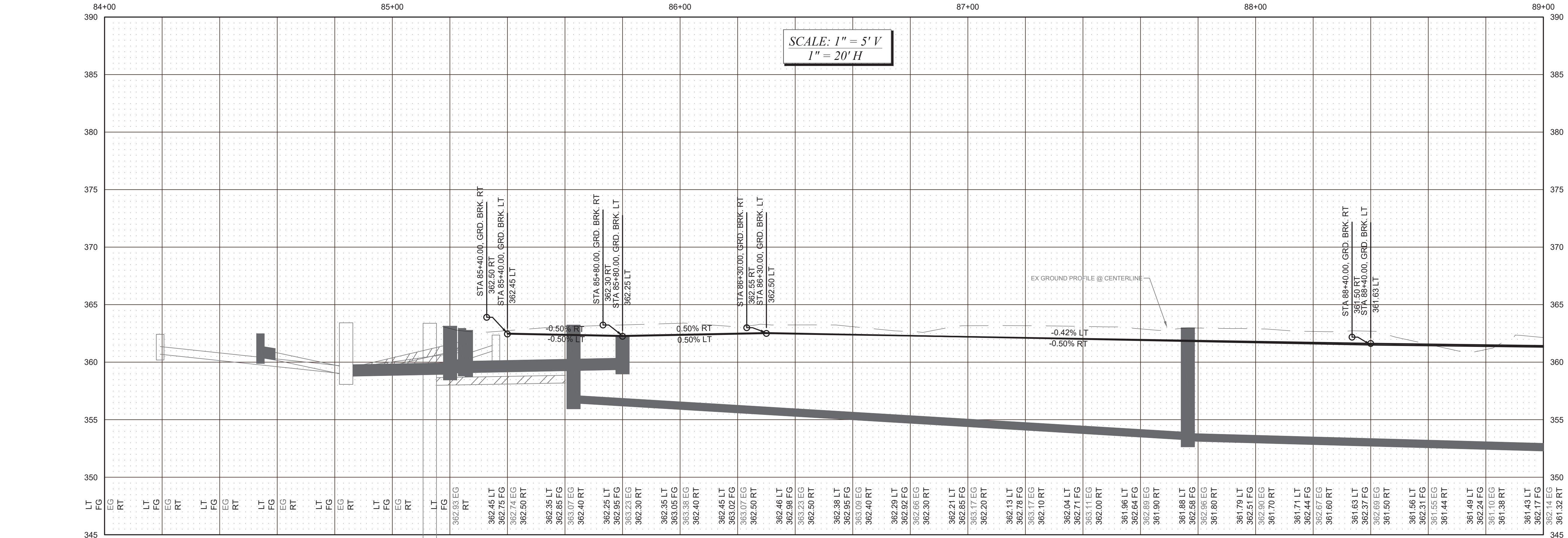
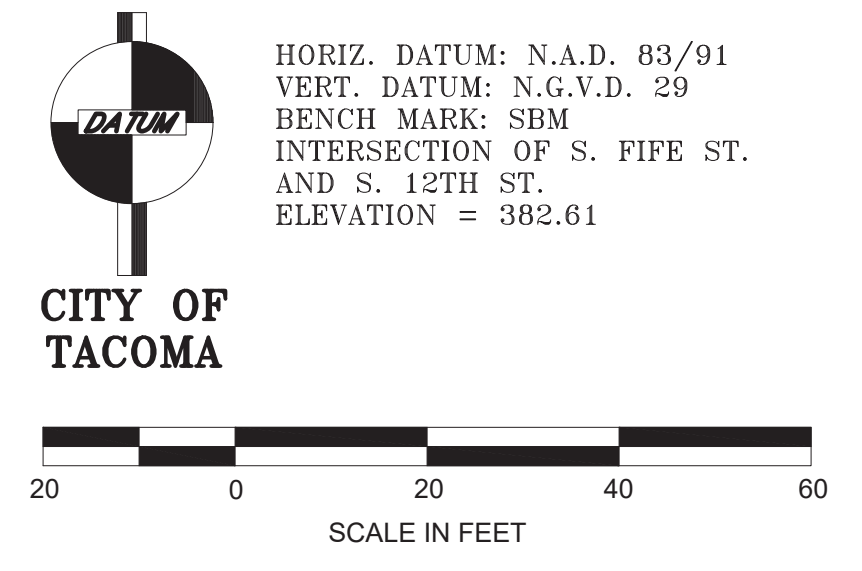
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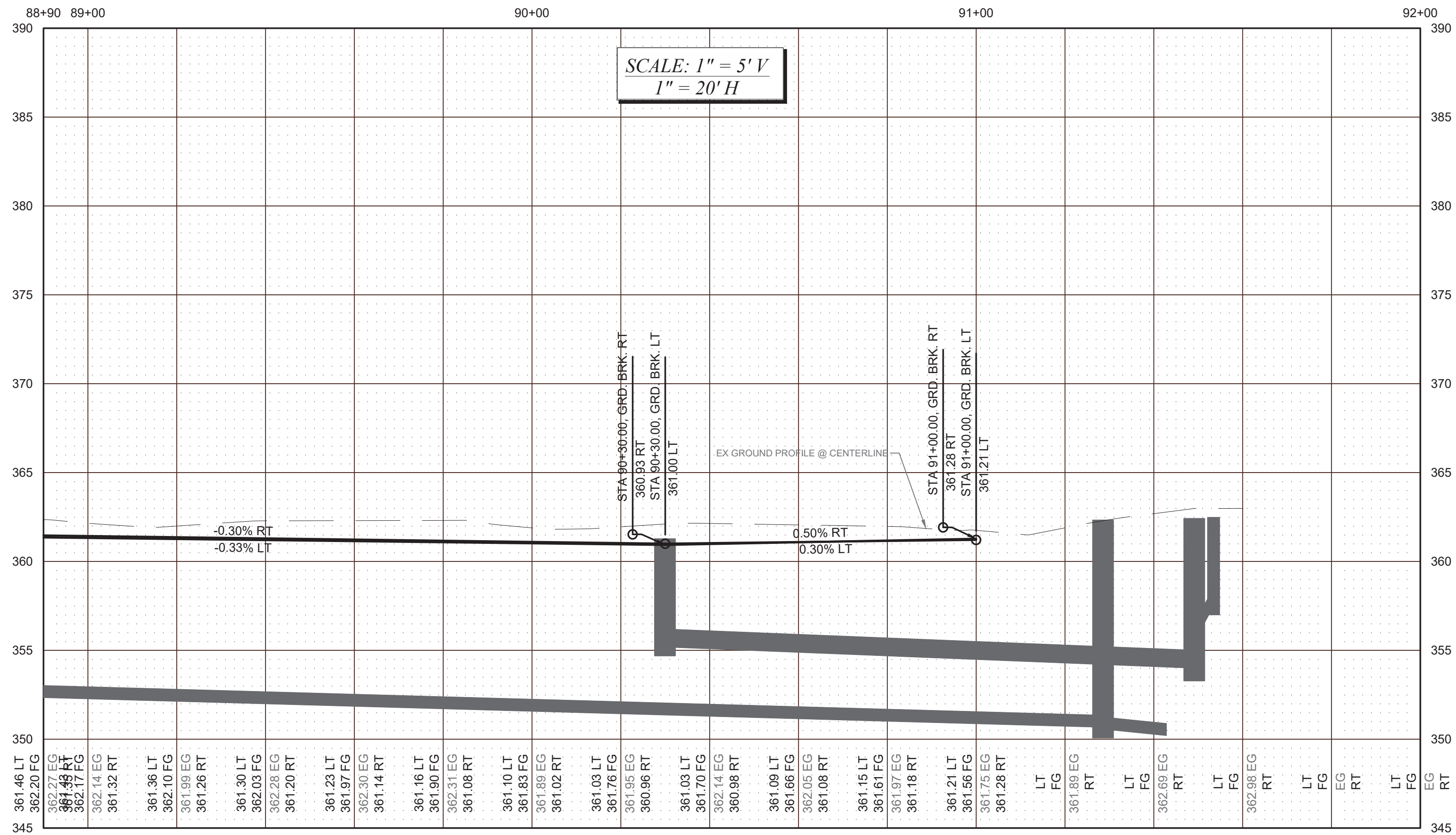
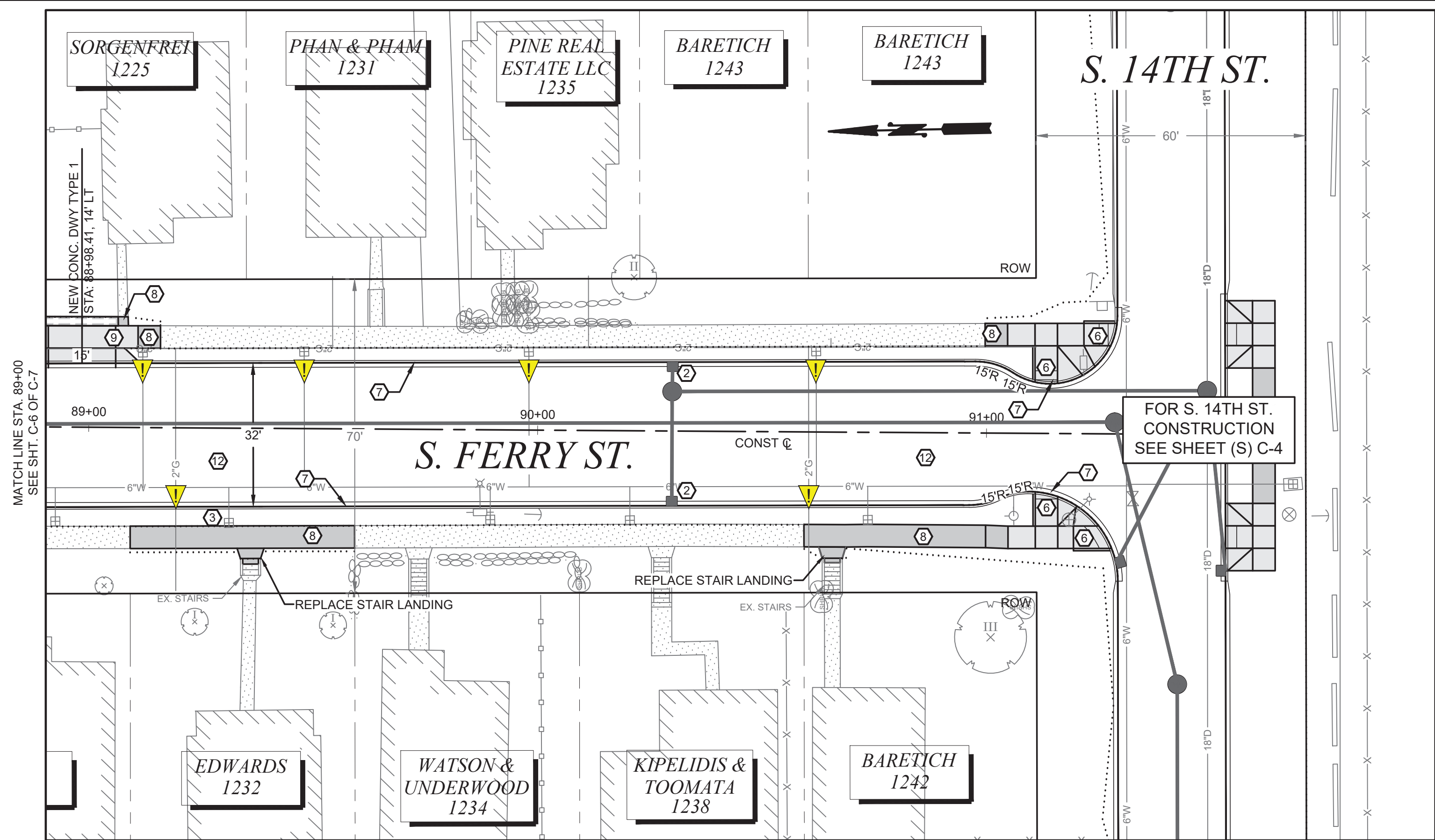
REVISION		DATE	APPD
NO			

FINAL CONSTRUCTION CHECKED	DATE OCT 2023	SCALE 1" = 20'
DESIGNED BW	CHECKED DCS	
DRAWN REE	PROJECT NAME PROP3 PKG32	
FIELD BOOKS	DRAWING NAME PKG-32-C.DWG	



DocuSigned by:
Jack McInerney
57F124185F684A8

CITY OF TACOMA NT OF PUBLIC WORKS		
CONSTRUCTION PLAN & PROFILE		PWK-00434-32
STREET INITIATIVE PKG 32		
S. FERRY ST. FROM S. 12TH ST. TO S. 14TH ST.		
SHEET C-6 OF C-7		SHEET NO. 16



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10/20/2023

PWK-00434-32

SHEET NO. 17
SHEET C-7 OF C-7

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 - TO BE RELOCATED BY OTHERS
 - ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
 - CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES AND PER THE DETAILS ON SHEETS 26-33
 - CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03 AND SU-30
 - CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
 - CONST CEMENT CONC DRIVEWAY ENTRANCE TYPE 1 PER COT STD PLAN SU-07. REFER TO DRIVEWAY PLANS.
 - CONST CEMENT CONC DRIVEWAY ENTRANCE TYPE 2 PER COT STD PLAN SU-07. REFER TO DRIVEWAY PLANS.
 - GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING BASE COURSE
 - CONSTRUCT HMA PAVEMENT (SEE ROAD CROSS SECTION)
 - PLACE 2 INCH HMA CL 1/2 INCH PG-58H-22 OVERLAY
 - CONSTRUCT 8" CEMENT CONCRETE PAVEMENT PAVEMENT OVER 2" CSTC
 - REMOVE & RELOCATE JUNCTION BOX
 - PRESERVE HISTORIC STAMP PER CITY OF TACOMA STANDARD PLAN SU-40
 - GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE

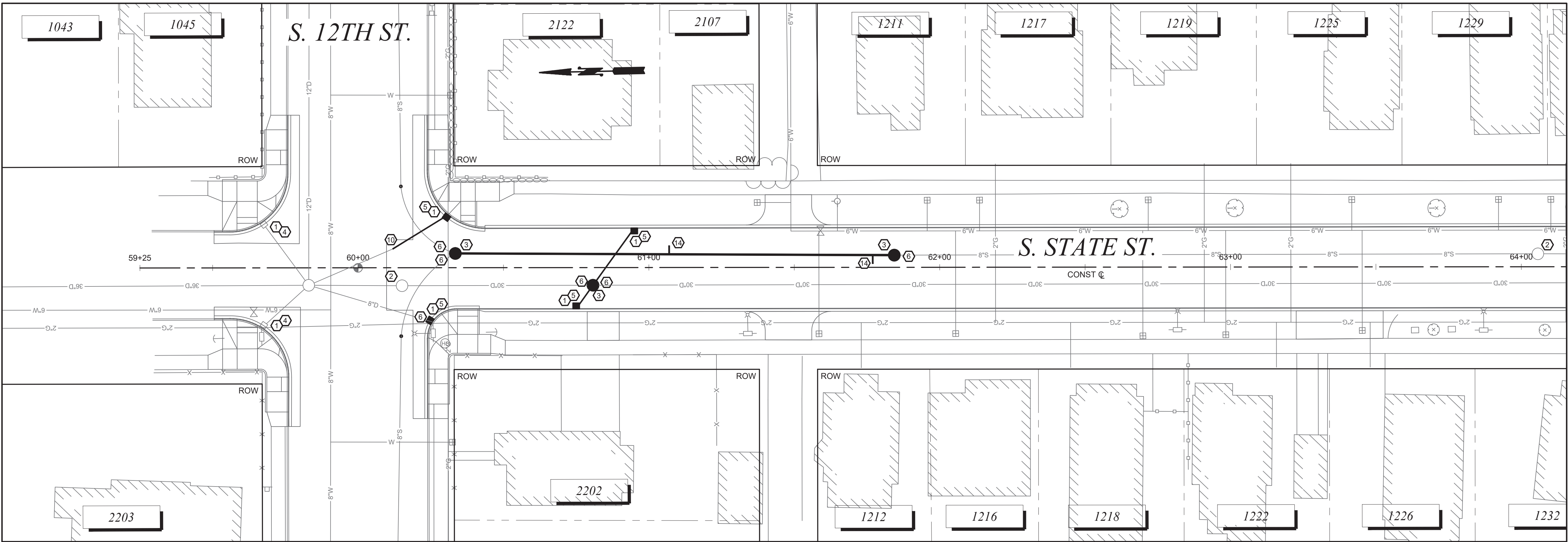
- ### GENERAL NOTES:
- ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.
 - WHEN REMOVING AN APPROACH THE LIMITS SHALL BE FROM THE EDGE OF THE APPROACH TO A MINIMUM OF 2' BEHIND THE NEW EDGE OF PAVEMENT.
 - REFER TO SHEETS 17 - 23 FOR STORM DRAINAGE & SANITARY SEWER CONSTRUCTION NOTES & DETAILS. REFER SAME SHEETS FOR PROFILE GUTTER GRADES.
 - REFER TO SHEETS 25 - 31 FOR ADA DRAWING DETAILS.

UTILITY NOTE:
UTILITIES SHOWN ARE FROM SUB-CONSULTANT SURVEY AND CITY OF TACOMA GIS INFORMATION AND MAY NOT BE REPRESENTATIVE OF ACTUAL LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THROUGH UTILITY LOCATE SERVICES, UTILITY AS-BUILT DRAWINGS, RECORD DRAWINGS AND POTHOLES THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES. ALL MEANS AND METHODS TO RESEARCH AND VERIFY EXISTING UTILITY LOCATIONS SHALL BE INCIDENTAL TO THE ASSOCIATED WORK.

POTHOLE EXISTING UTILITY, CONTRACTOR TO FIELD VERIFY DEPTH.

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

SCALE IN FEET



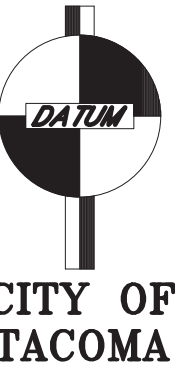
STORM & WASTEWATER SEWER NOTES

- 1 PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
- 2 ADJUST 48" MANHOLE TO GRADE PER SPECIFICATION 7-05. FURNISH FRAME AND NEW COVER.
- 3 CONSTRUCT MANHOLE PER WSDOT STD PLAN, SEE PLANS FOR SIZE
- 4 ADJUST CATCH BASIN TO GRADE. REPLACE CONCRETE RISER RING AND GRATE PER SPECIFICATION 7-05
- 5 CONSTRUCT TYPE 1 CATCH BASIN PER WSDOT STD PLAN 8-5.20.01
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 2. IN PAVED STREETS WHERE A CLEANOUT IS IDENTIFIED TO BE INSTALLED, EXTEND THE REPLACEMENT OF THE SIDE SEWER PER THE FOLLOWING:
 - a. TO 2' FRONT OF EXISTING SIDEWALK WHERE A SIDEWALK IS NOT BEING REPLACED; OR
 - b. TO 2' BACK OF NEW SIDEWALK WHERE SIDEWALK IS BEING REPLACED; OR
 - c. TO 2' BACK OF PROJECTED SIDEWALK WHERE NO SIDEWALK CURRENTLY EXISTS; OR
 - d. AS DIRECTED BY THE ENGINEER.IF THE CLEANOUT LOCATION INTERFERES WITH EXISTING IMPROVEMENTS NOT IDENTIFIED FOR REPLACEMENT, SUCH AS CURB AND GUTTER, DRIVEWAYS, OR MATURE LANDSCAPING, ELIMINATE THE

SIDE SEWER TABLE

NAME	ADDRESS	STATION	DIRECTION
BREWER	1207 S. STATE ST.	61+07	LEFT
SHERMAN	1212 S. STATE ST.	61+77	RIGHT



HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SDM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

CITY OF
TACOMA

20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG

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NO REVISION

DATE

APPD

FINAL
CONSTRUCTION
CHECKED

BY

DATE

FIELD BOOKS

DATE

DESIGNED

DRAWN

DRAWING NAME

SCALE

CHECKED

PROJECT NAME

PKG32-SS.DWG

BW

REE

PROP3-PKG32

1" = 20'

DCS

PROP3-PKG32



DocuSigned by:

Jack McInnes

57F124185FB94A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

STORM & SANITARY SEWER PLAN
STREET INITIATIVE PKG 32
S. STATE S.T FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32

SHEET NO.

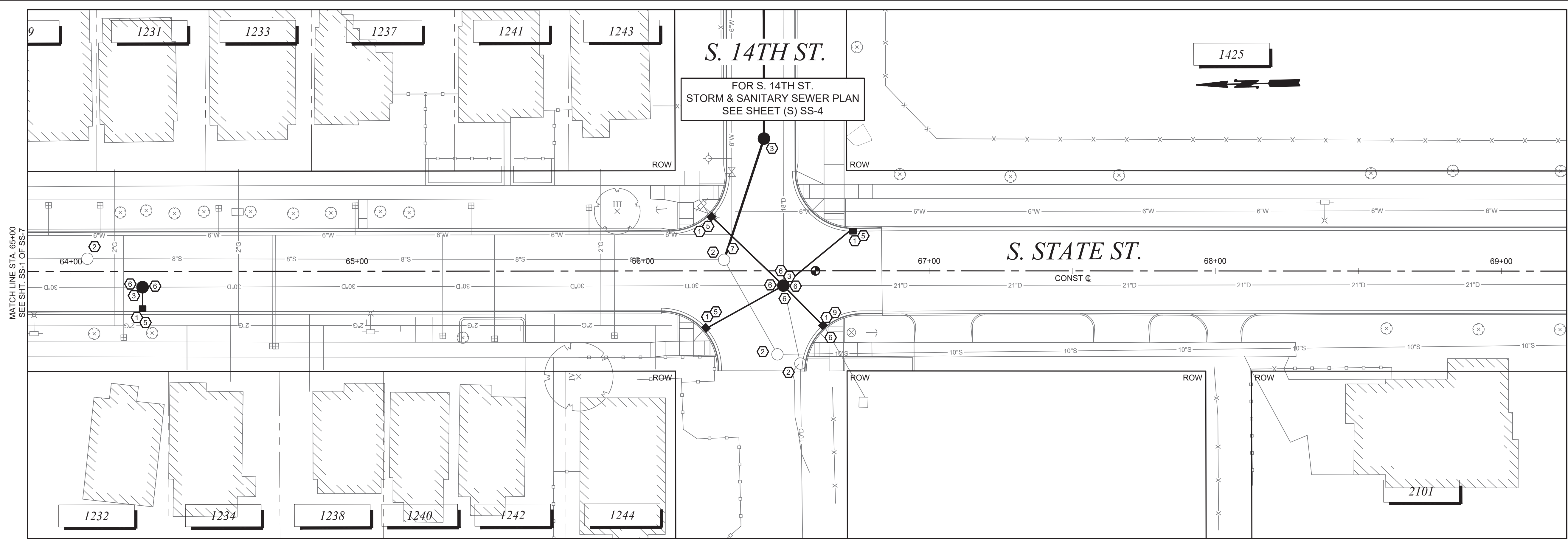
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SHEET

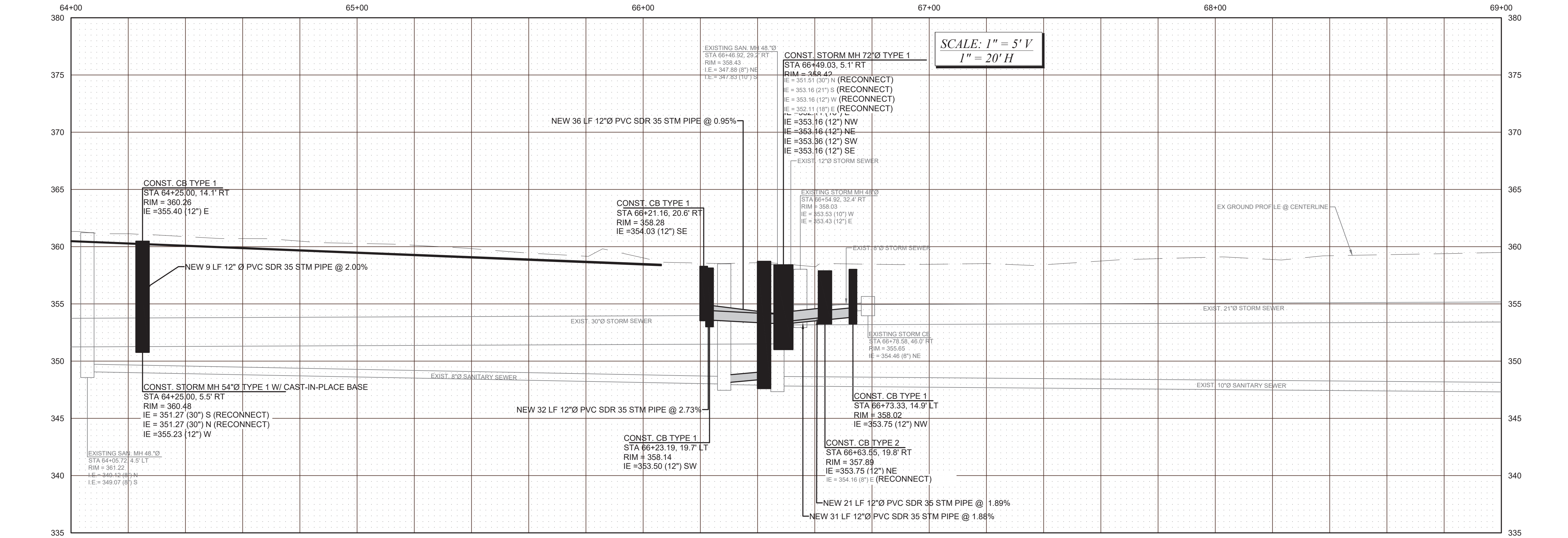
SS-1

OF

SS-7



- STORM & WASTEWATER SEWER NOTES**
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NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
BY 	DESIGNED BW	CHECKED DCS
DATE 	DRAWN REE	PROJECT NAME PROP3-PKG32
FIELD BOOKS	DRAWING NAME PKG32-SS.DWG	



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:
Jack McInnes
57F124185F684A8

STORM & SANITARY SEWER PLAN
STREET INITIATIVE PKG 32
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

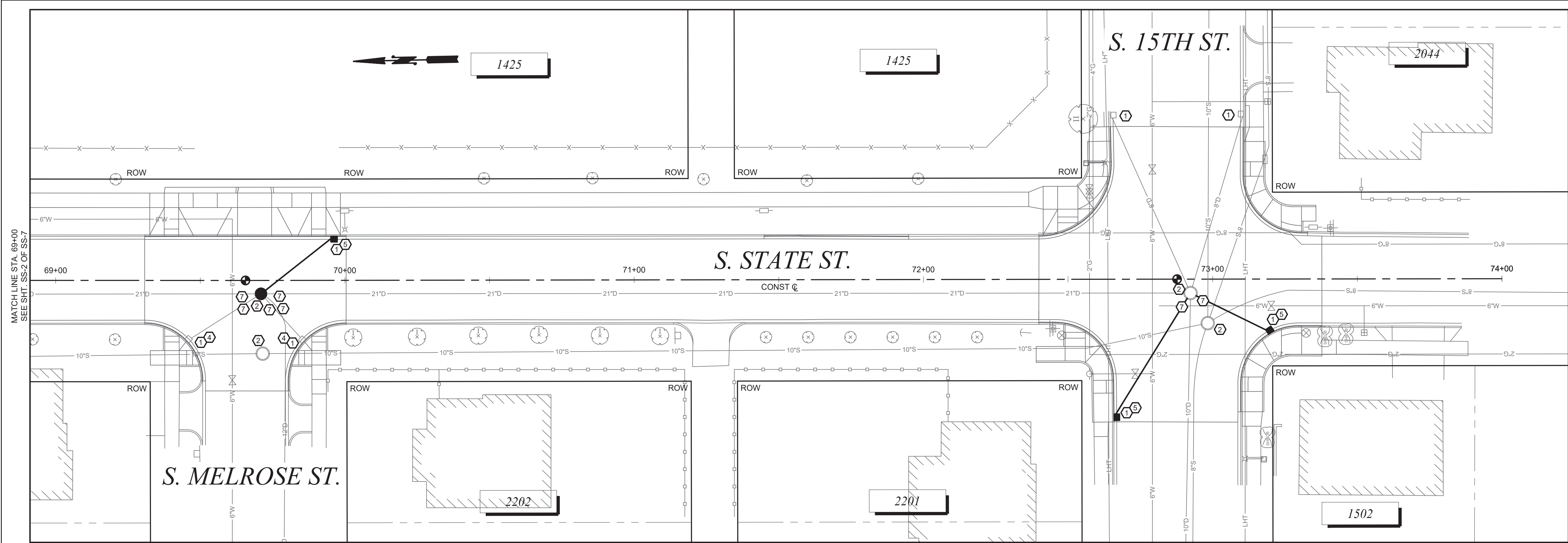
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SHEET NO. 19
SHEET SS-2 OF SS-7

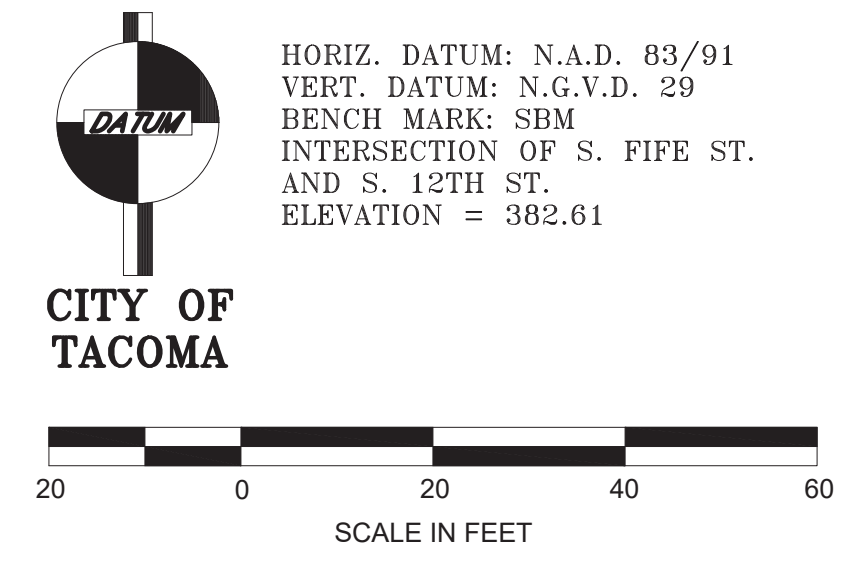
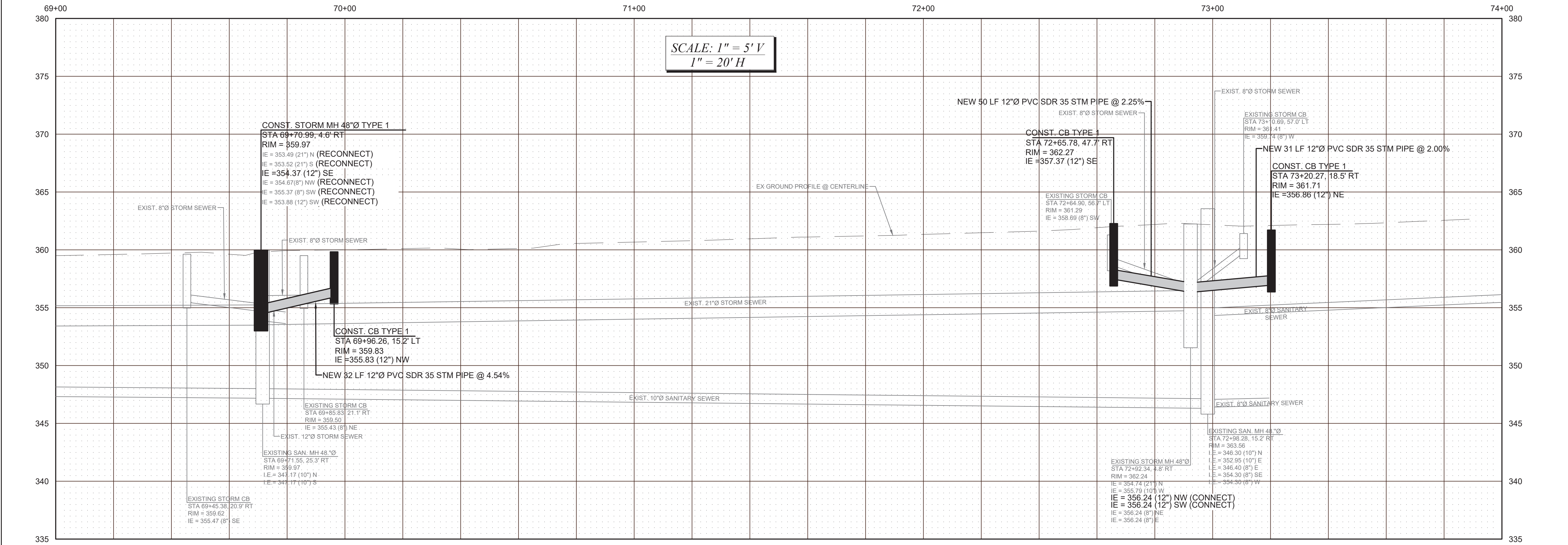
CITY OF TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
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ELEVATION = 382.61

SCALE IN FEET




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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY

DATE

FIELD BOOKS

DATE

SEPT 2023

DESIGNED

BW

DRAWN

REE

DRAWING NAME

PKG32-SS.DWG

SCALE

1" = 20'

CHECKED

DCS

PROJECT NAME

PROP3-PKG32

DESIGNED BY

BRIAN WANG

REGISTERED PROFESSIONAL ENGINEER

5717

10/20/2023

DocuSigned by:

Jack McInnes

57F124185F684A8

JAGER

CITY OF TACOMA

DEPARTMENT OF PUBLIC WORKS

STORM & SANITARY SEWER PLAN

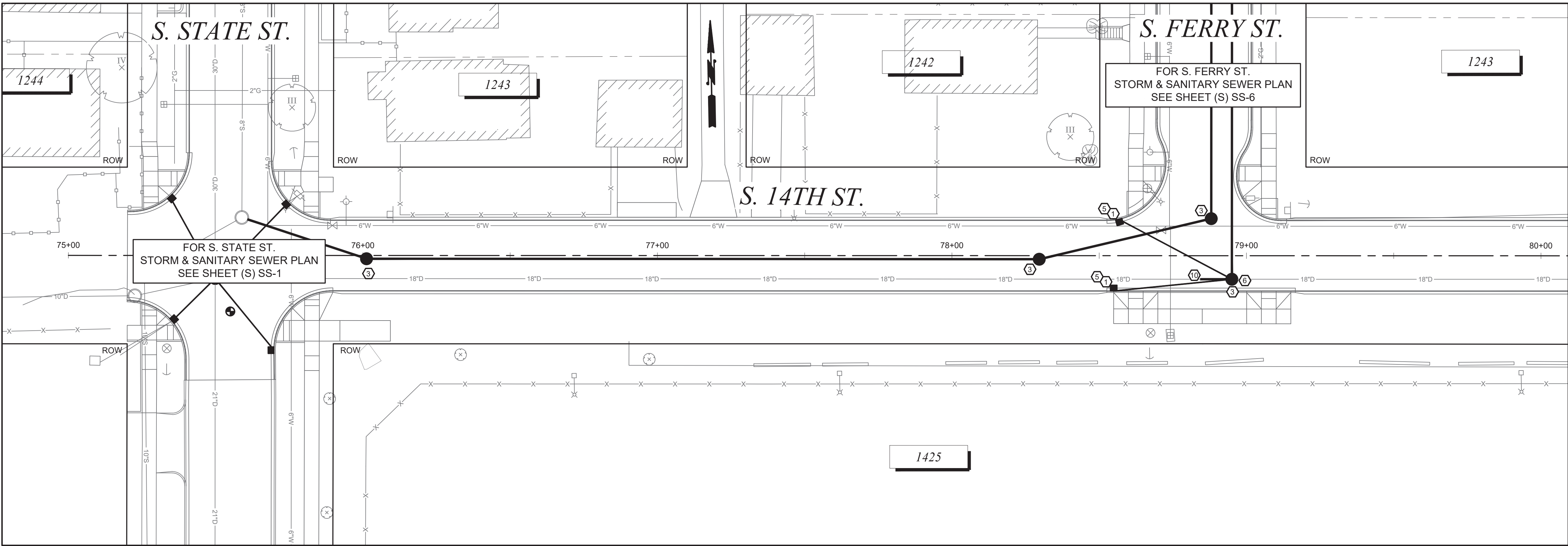
STREET INITIATIVE PKG 32

S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32

SHEET NO. 20

SHEET SS-3 OF SS-7



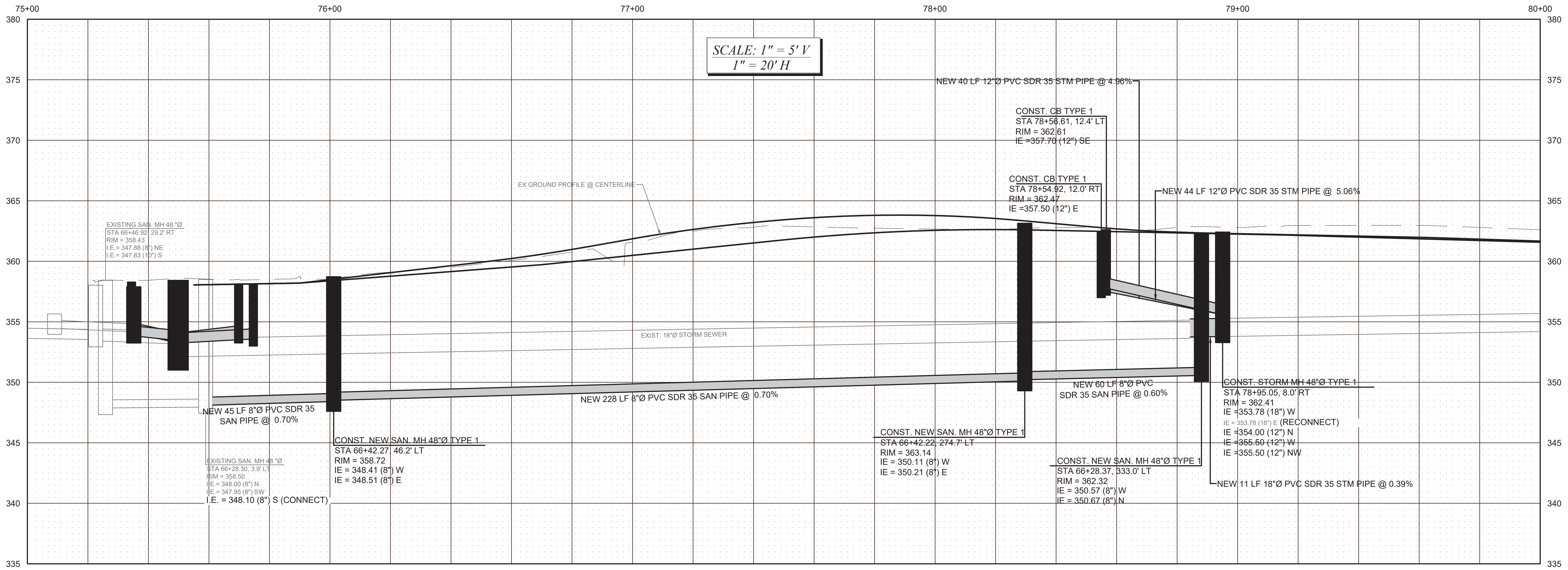
MATCH LINE STA. 80+00
SEE SHT. SS-7 OF SS-7

STORM & WASTEWATER SEWER NOTES

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HORIZ. DATUM: N.A.D. 83/91
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BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
BY DESIGNED BW	CHECKED DCS	PROJECT NAME PROP3-PKG32
DATE DRAWN REE	DRAWING NAME PKG32-SS.DWG	

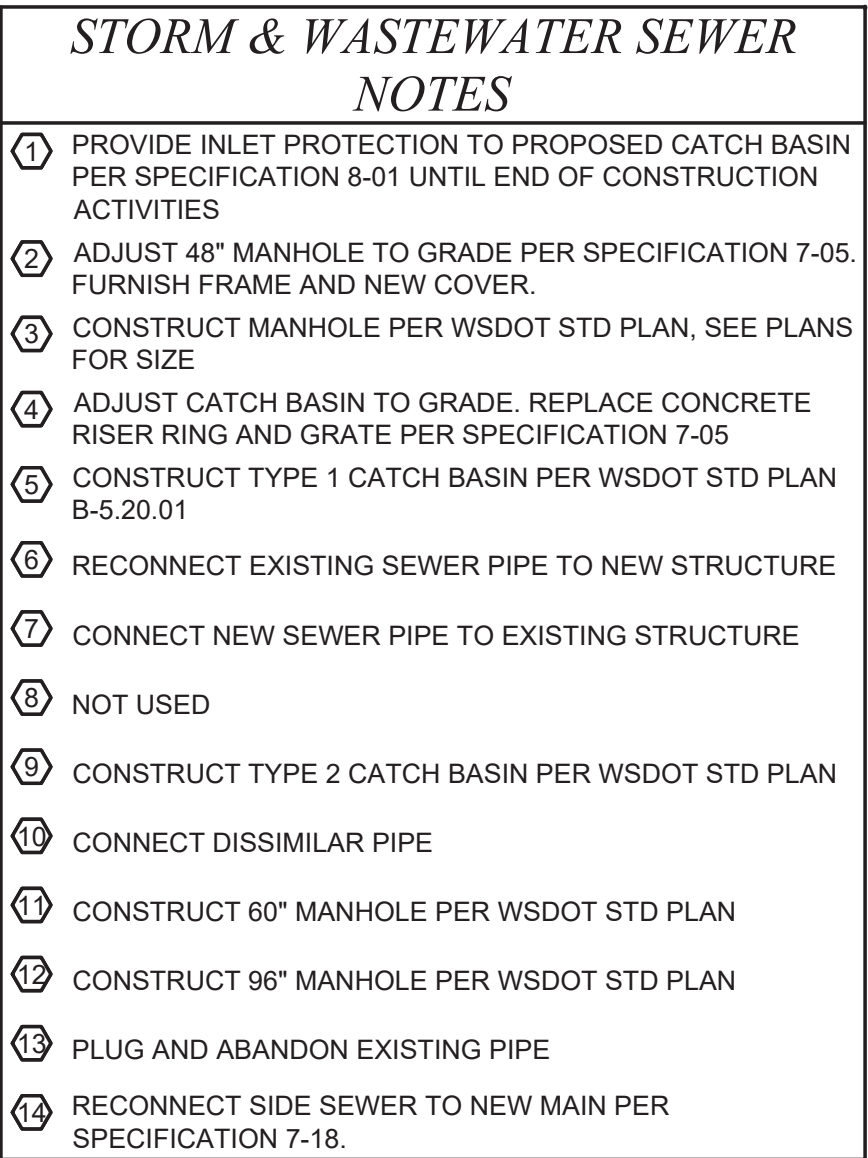


DocuSigned by: <i>Jack Melusker</i> 57F124185FB84A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
STORM & SANITARY SEWER PLAN
STREET INITIATIVE PKG 32
S. 14TH ST. FROM S. STATE ST. TO S. SPRAUGE AVE.

PWK-00434-32
SHEET NO. 21
SHEET SS-4 OF SS-7

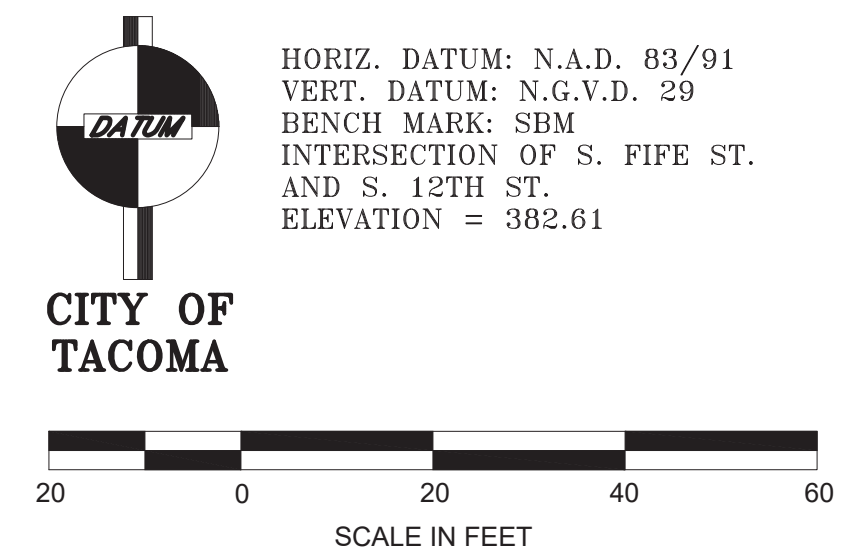
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SIDE SEWER NOTES:

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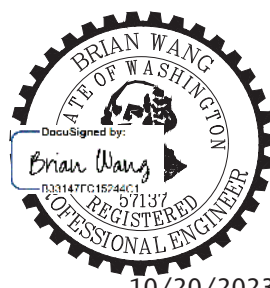
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R E V I S I O N	DATE	APPD

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	SEPT 2023	1" = 20'
BY	DESIGNED	CHECKED
	BW	DCS
DATE	DRAWN	PROJECT NAME
	REE	PROP3-PKG32
FIELD BOOKS	DRAWING NAME	
	PKG32-SS.DWG	



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

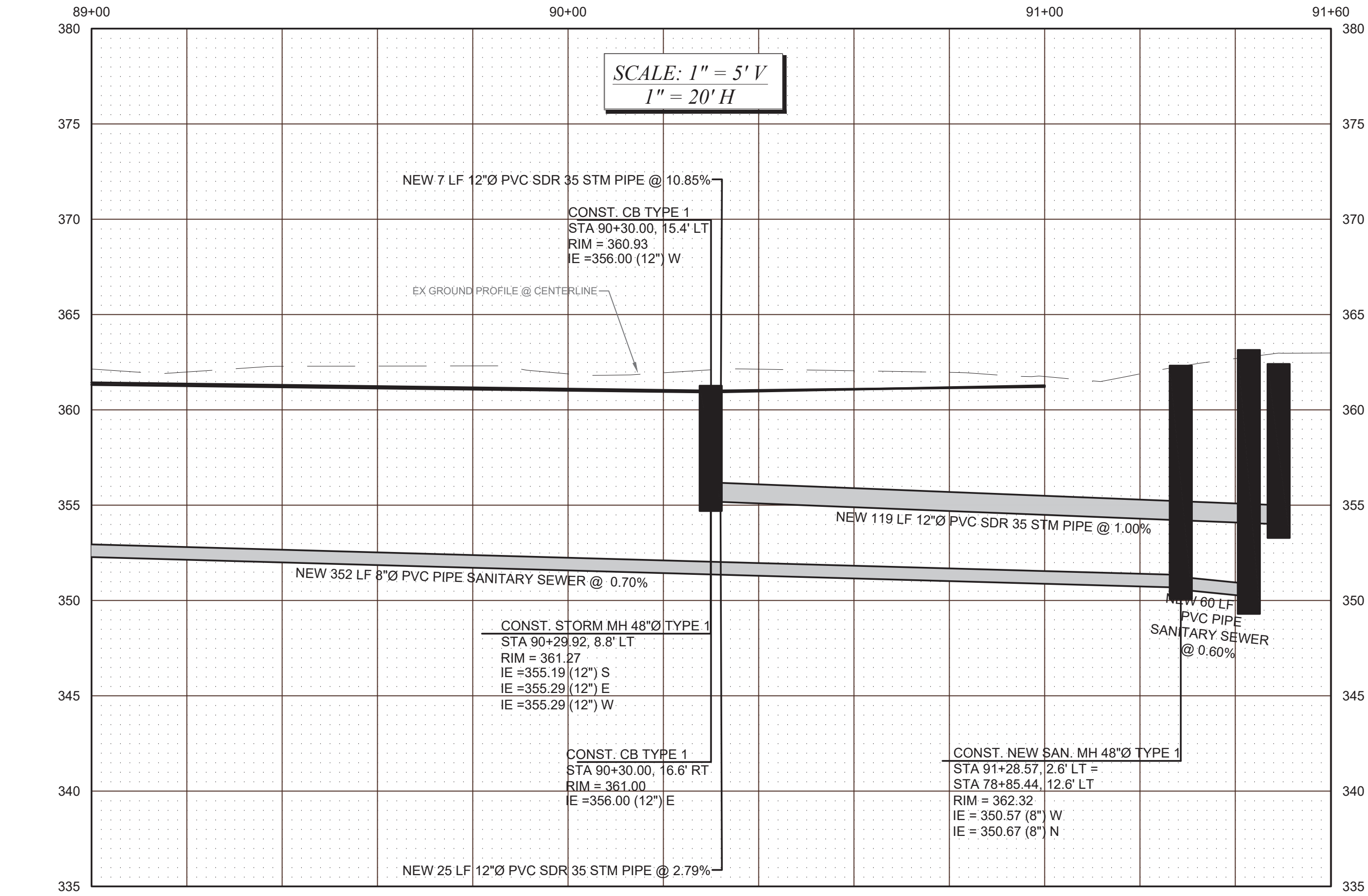
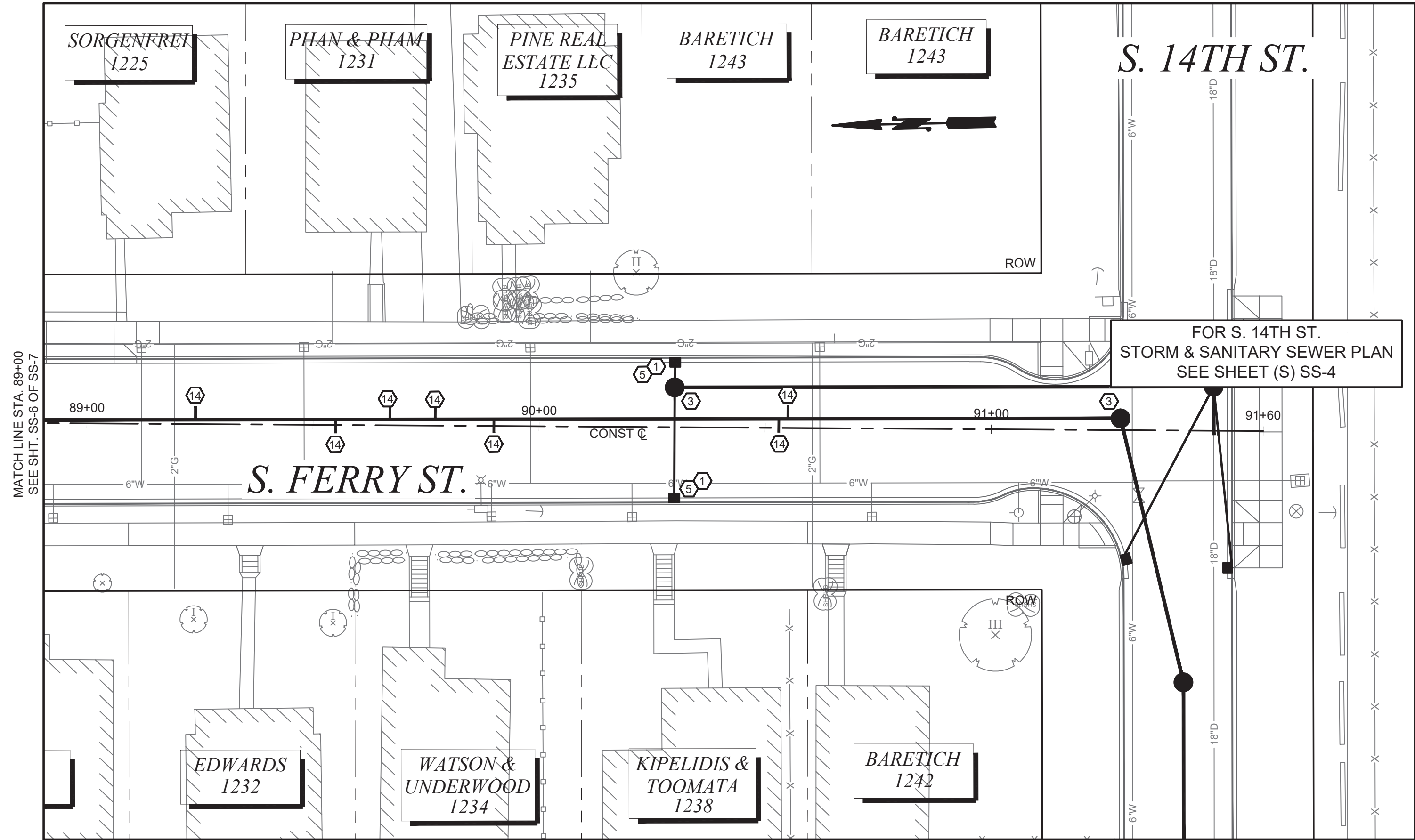
STORM & SANITARY SEWER PLAN
STREET INITIATIVE PKG 32
14TH ST. FROM S. STATE ST. TO S. SPRAGUE AVE.

PWK-00434-32

SHEET NO. 22

SHEET SS-5 OF SS-7

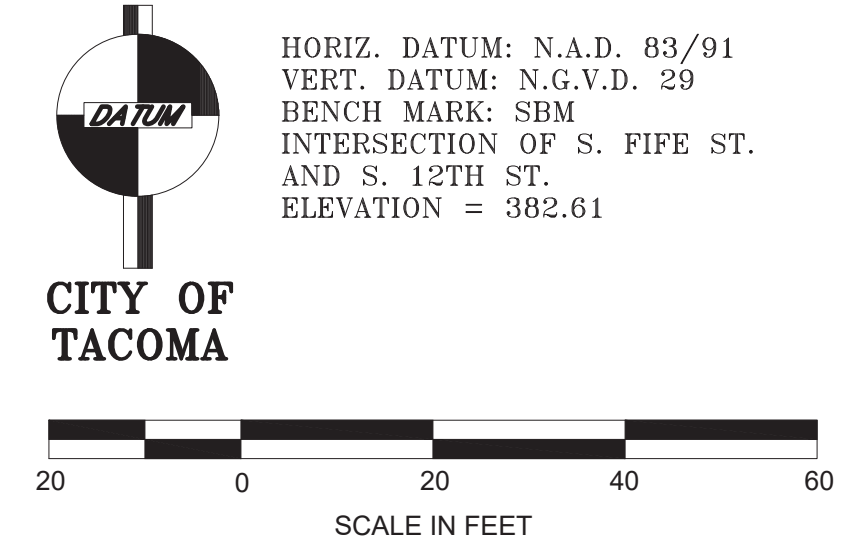
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- STORM & WASTEWATER SEWER NOTES**
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SIDE SEWER TABLE			
NAME	ADDRESS	STATION	DIRECTION
SORGENFREI	1225 S. FERRY ST.	89+24	LEFT
EDWARDS	1232 S. FERRY ST.	89+55	RIGHT
PHAN & PHAM	1231 S. FERRY ST.	89+67	LEFT
PINE REAL ESTATE LLC	1235 S. FERRY ST.	89+77	LEFT
BLAKELY	1234 S. FERRY ST.	89+90	RIGHT
KIPELIDIS & TOOMATA	1238 S. FERRY ST.	90+53	RIGHT
BARETICH	1243 S. FERRY ST.	90+55	LEFT



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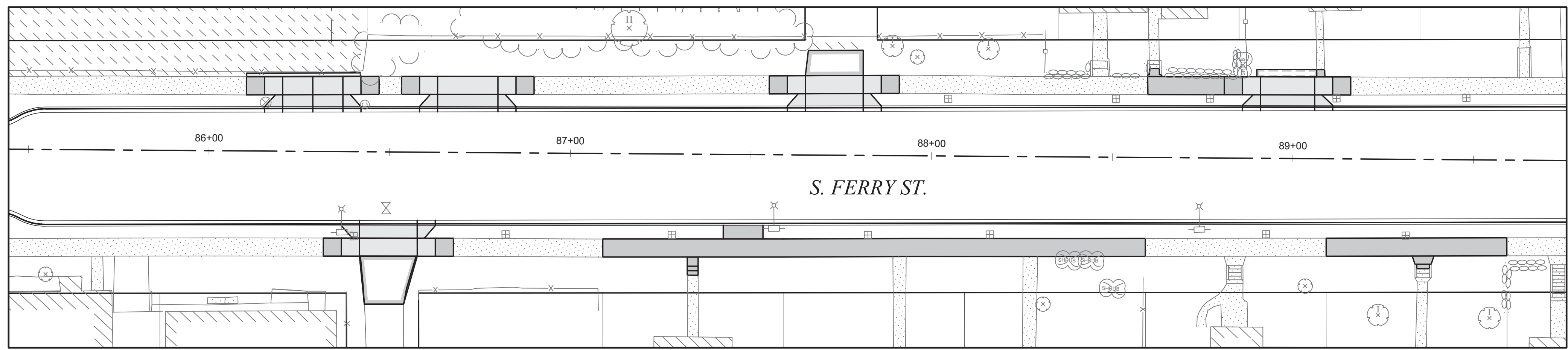


NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
BY DESIGNED BW	CHECKED DCS	
DATE DRAWN REE	PROJECT NAME PROP3-PKG32	
FIELD BOOKS	DRAWING NAME PKG32-SS.DWG	



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS			
DocuSigned by: <i>Jack McInerney</i> 57F124185FB84A8		STORM & SANITARY SEWER PLAN STREET INITIATIVE PKG 32 S. FERRY ST. FROM S. 12TH S.T TO S. 14TH ST.	
PWK-00434-32		SHEET NO. 24 SHEET SS-7 OF SS-7	

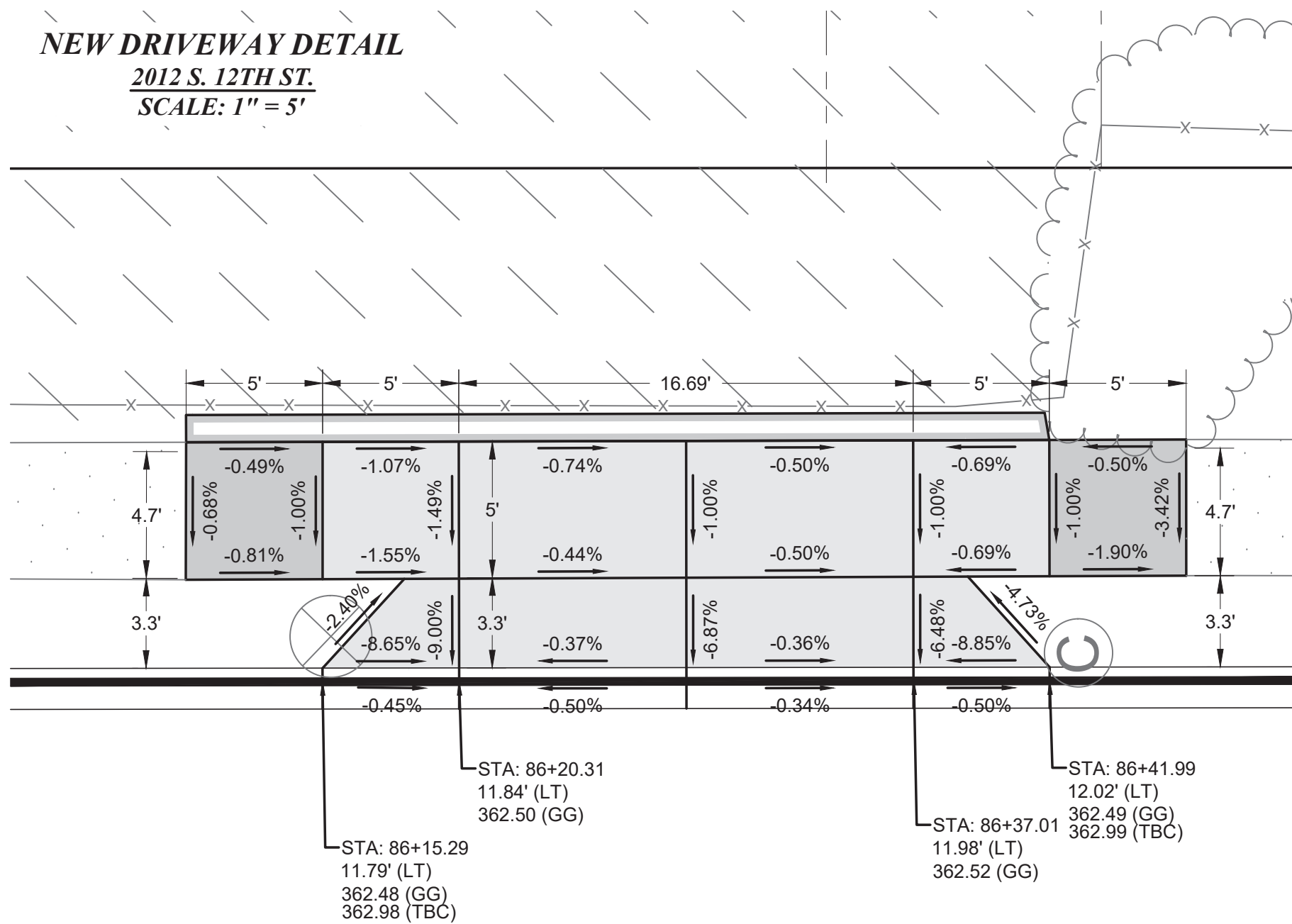


SCALE: 1" = 20'

NEW DRIVEWAY DETAIL

2012 S. 12TH ST.

SCALE: 1" = 5'



HORIZ. DATUM: N.A.D. 83/91
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INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

ABBREVIATIONS:

GUTTER GRADE: GG
TOP BACK OF CURB: TBC

GENERAL NOTES:

1) CONTRACTOR SURVEY
CREWS TO STAKE PROPOSED
DRIVEWAYS.

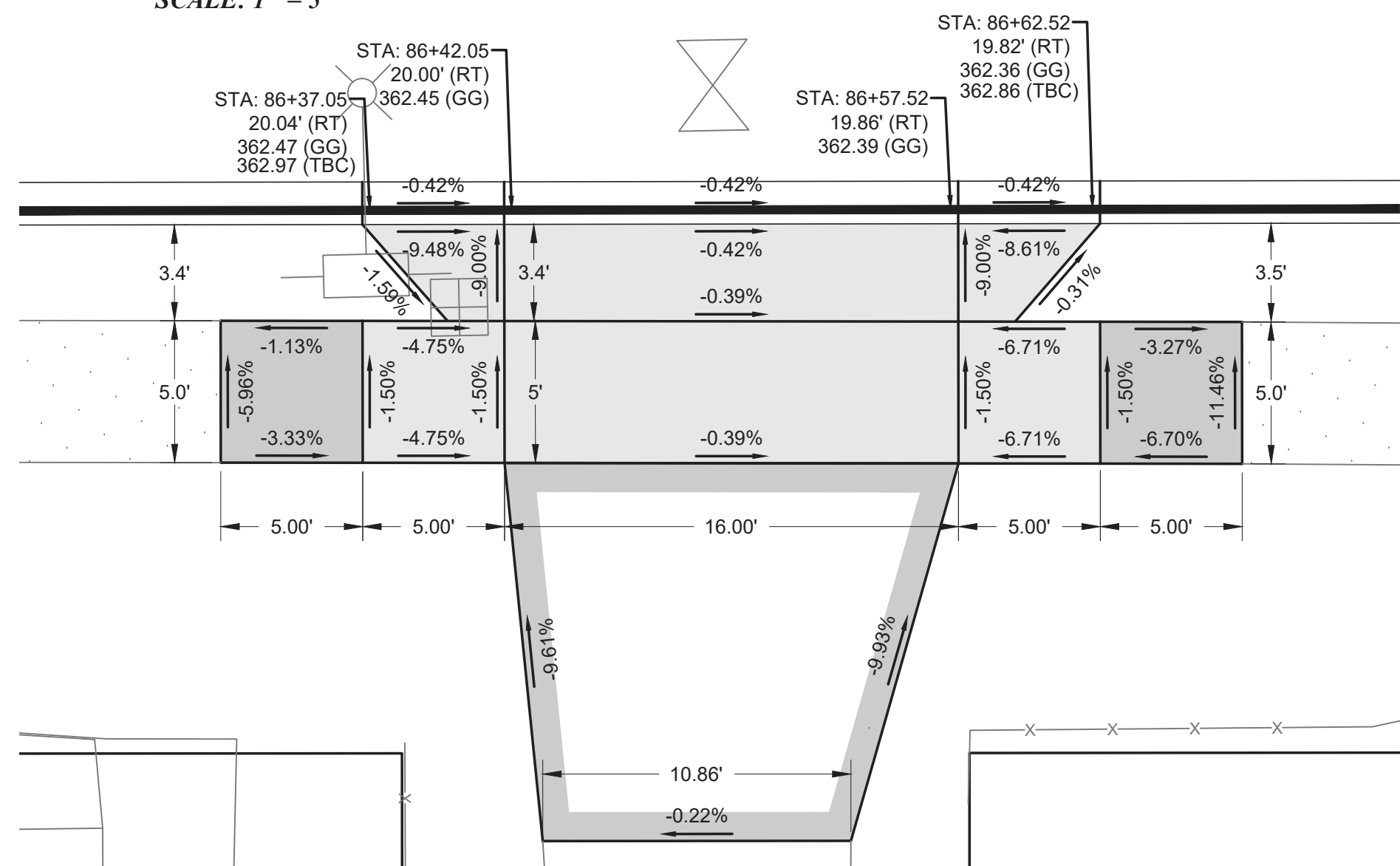
2) CONTRACTOR SHALL NOT
DEVIATE FROM DESIGN.

3) BY CONVENTION SLOPE
ARROWS POINT DOWNHILL.

NEW DRIVEWAY DETAIL

S. FERRY ST., S. ALLEY

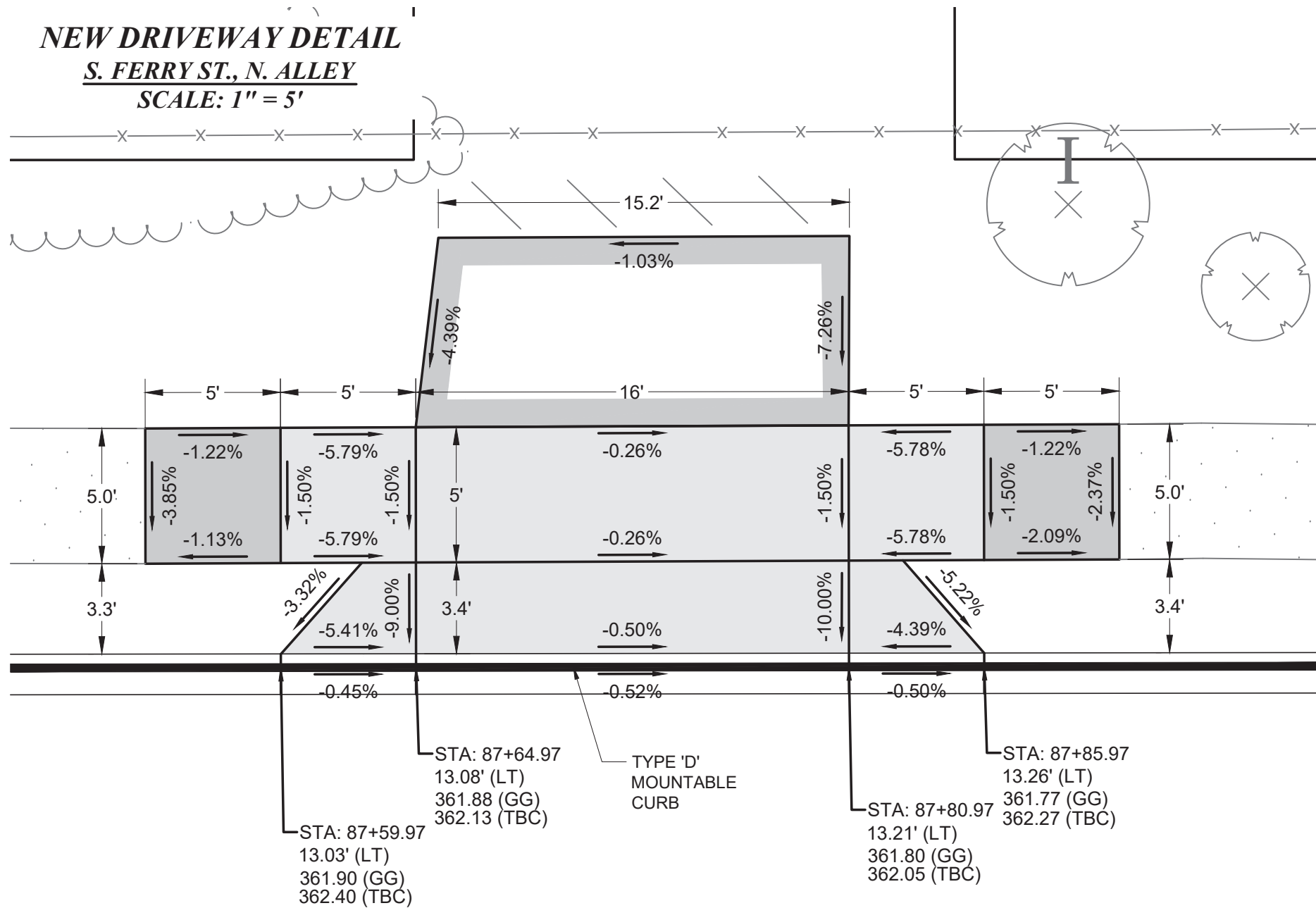
SCALE: 1" = 5'



NEW DRIVEWAY DETAIL

S. FERRY ST., N. ALLEY

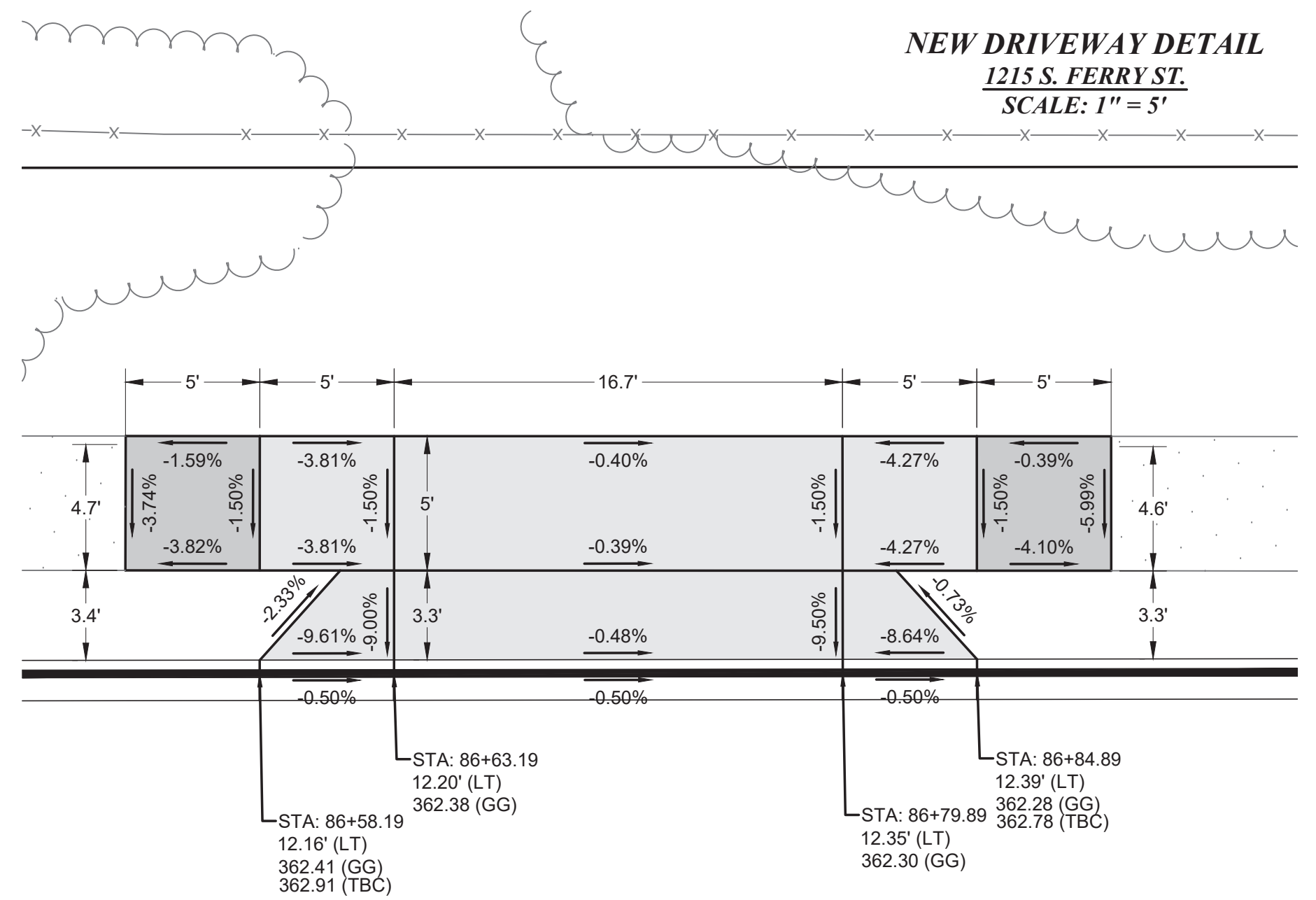
SCALE: 1" = 5'



NEW DRIVEWAY DETAIL

1215 S. FERRY ST.

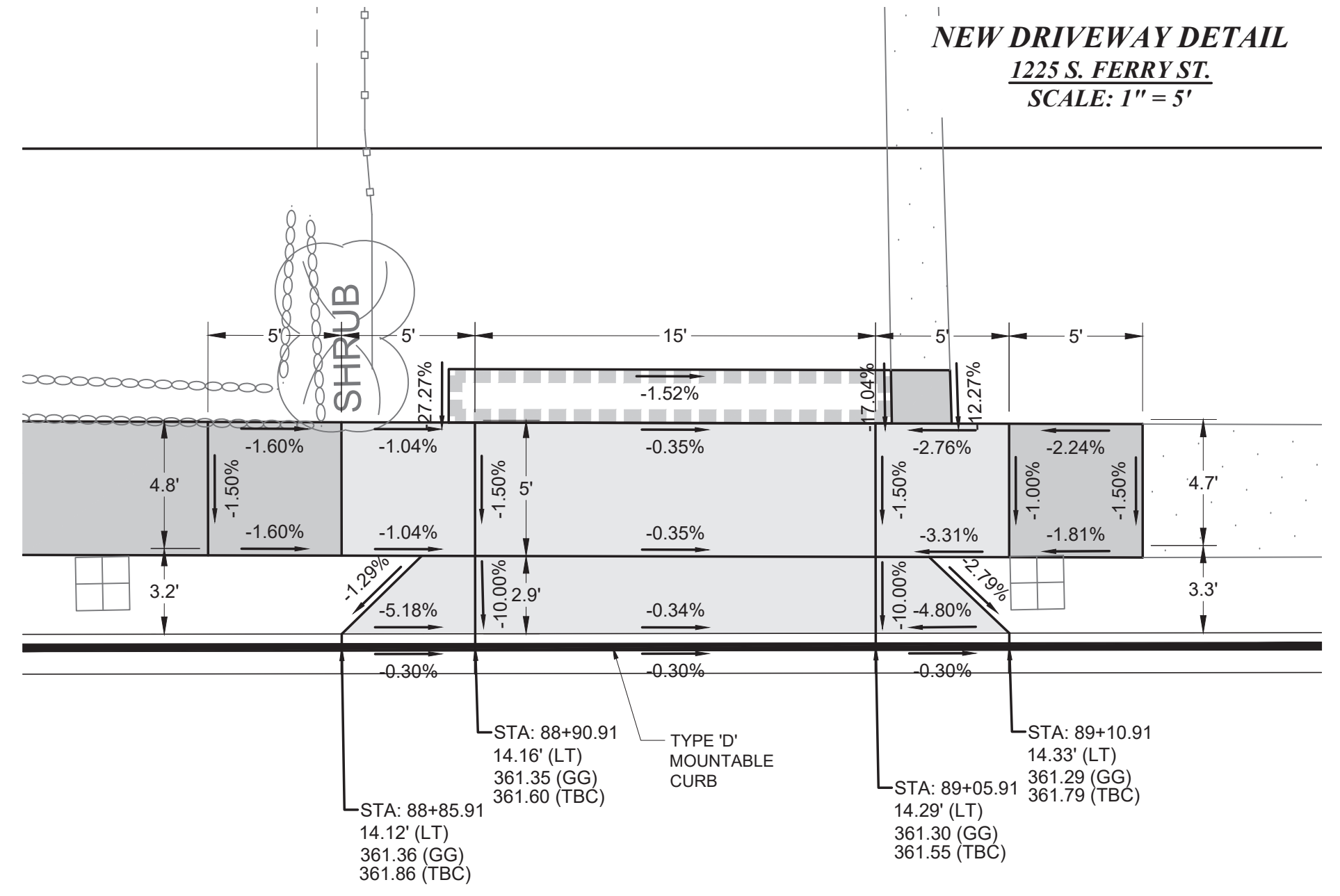
SCALE: 1" = 5'



NEW DRIVEWAY DETAIL

1225 S. FERRY ST.

SCALE: 1" = 5'



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CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING,
POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

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(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



NO REVISION

DATE

APPD

FINAL
CONSTRUCTION
CHECKED

DATE
SEPT 2023

DESIGNED
BW

DRAWN
REE

FIELD BOOKS

SCALE
AS NOTED

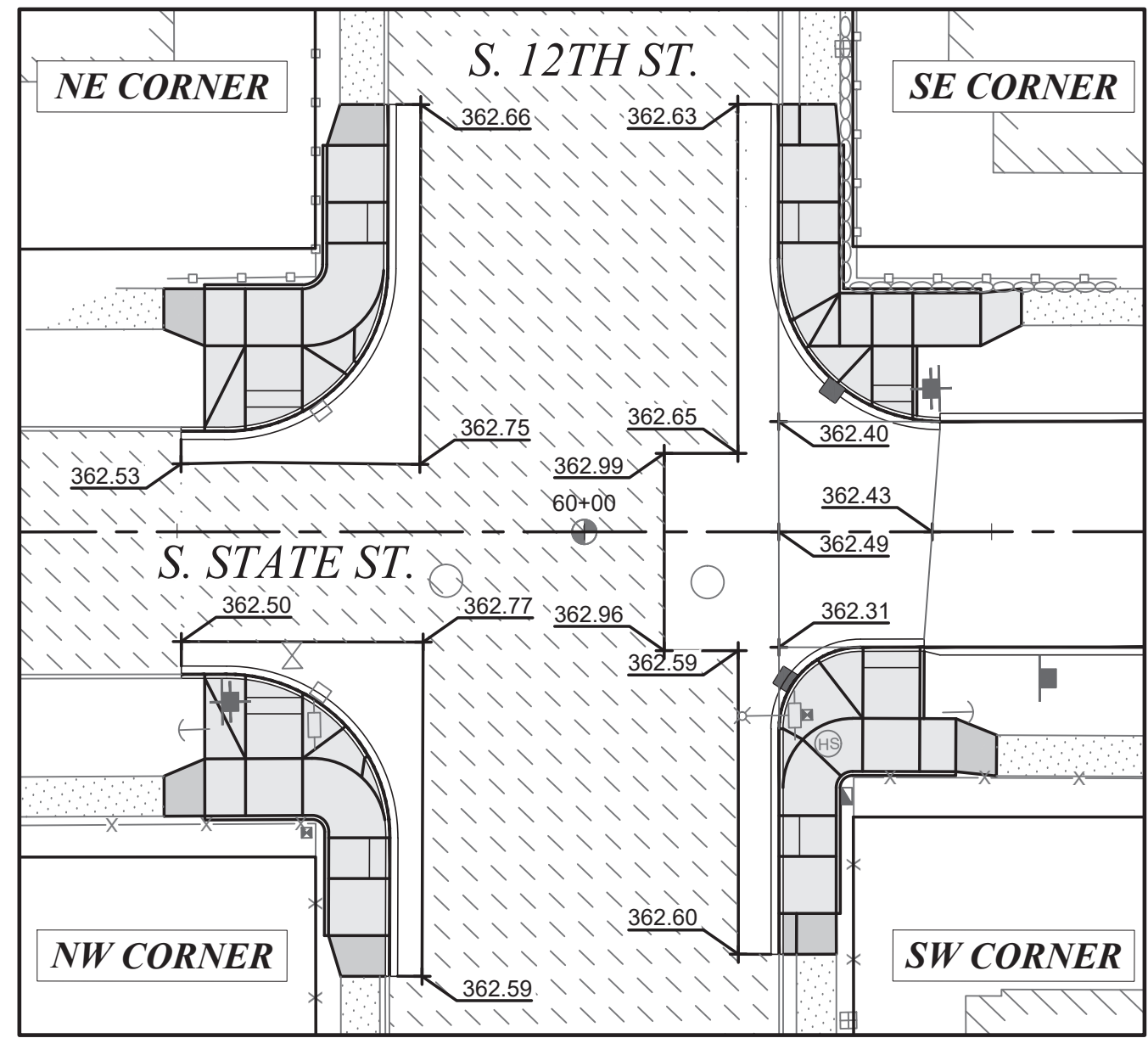
CHECKED
DCS

PROJECT NAME
PROP3 PKG32

DRAWING NAME
PKG-32_DW.DWG

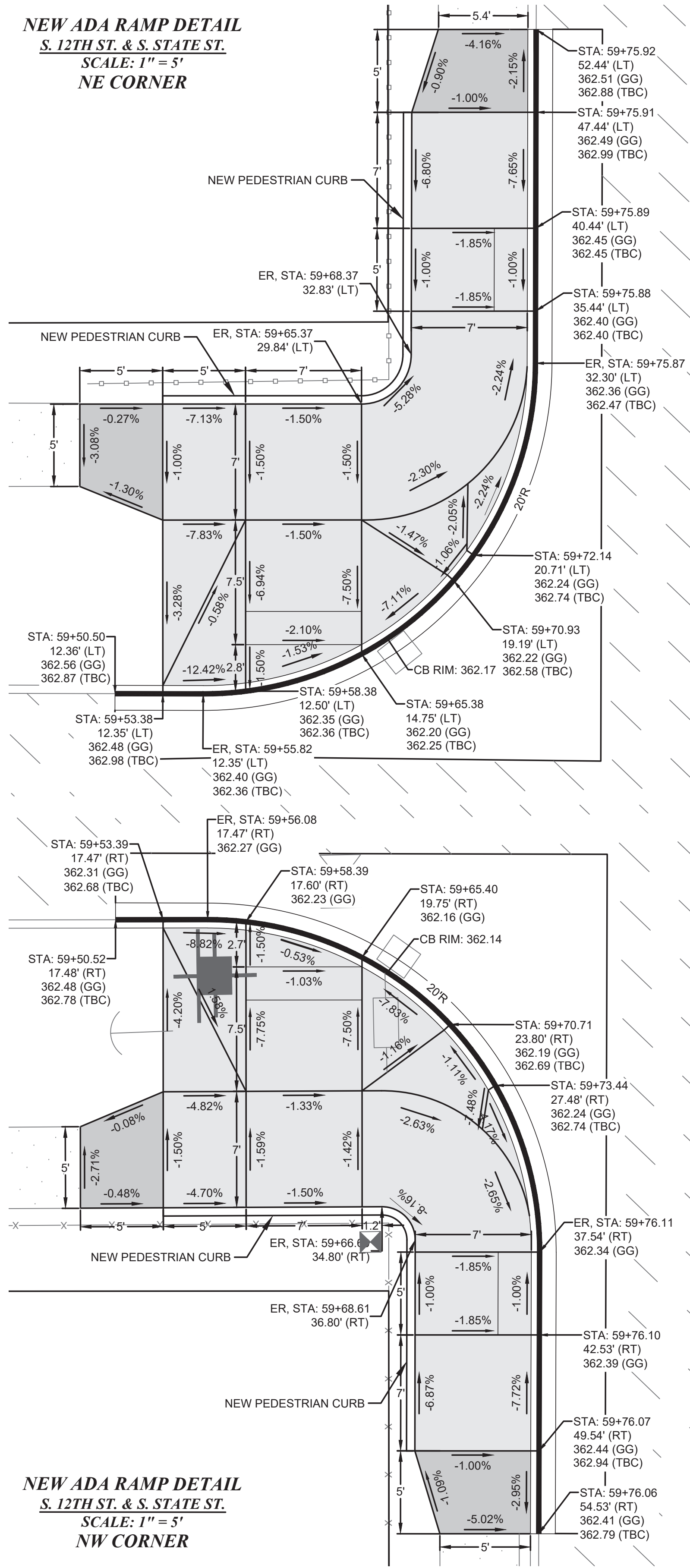


CITY OF TACOMA		DEPARTMENT OF PUBLIC WORKS	
DRIVEWAY DETAIL PLAN		STREET INITIATIVE PKG 32	
S. FERRY ST. FROM S. 12TH ST. TO S. 14TH ST.		PWK-00434-32	
DocuSigned by: Jack McInerney 57F124185FB84A8		SHEET DW-1 OF DW-1	

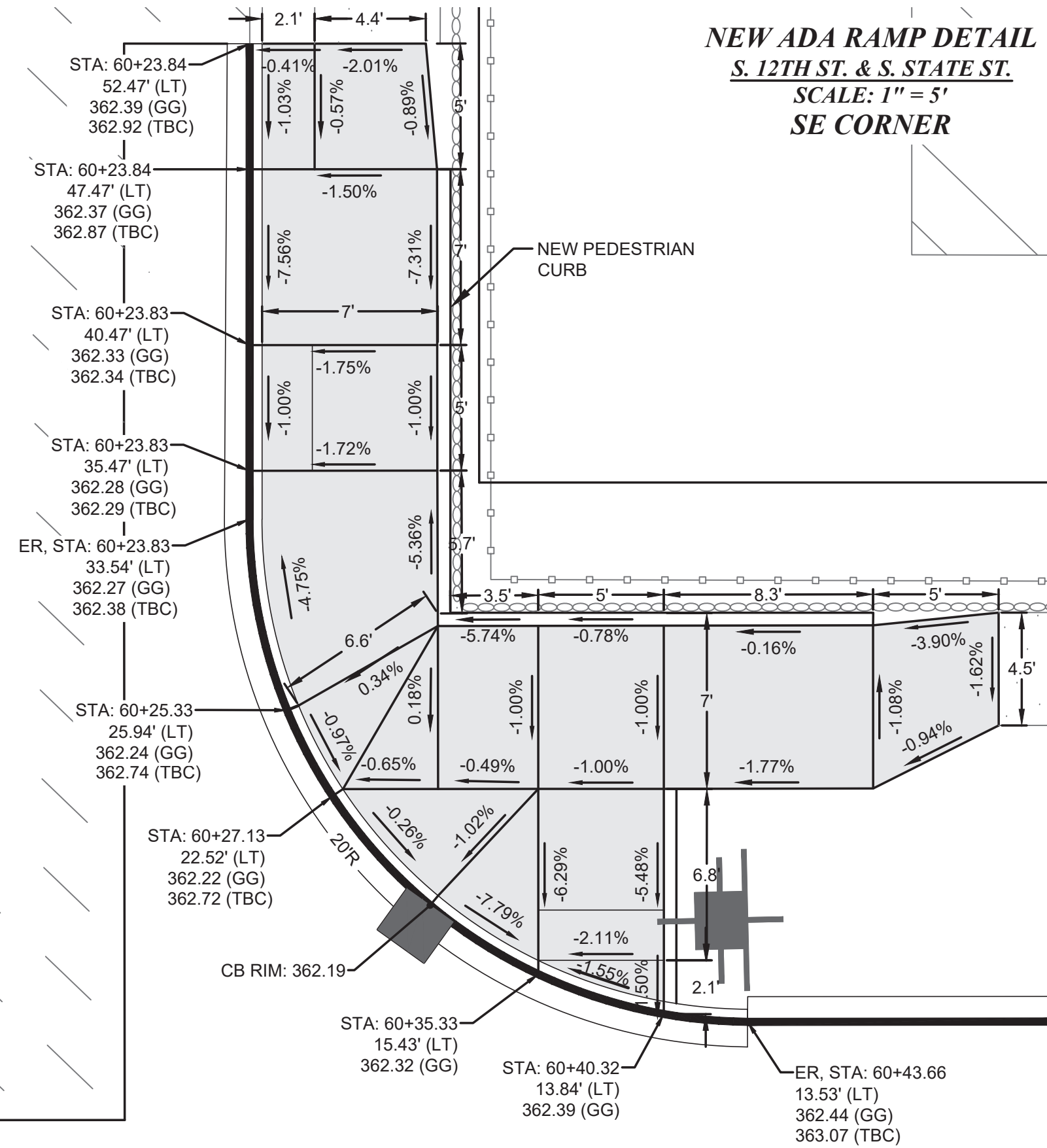


SCALE: 1" = 20'

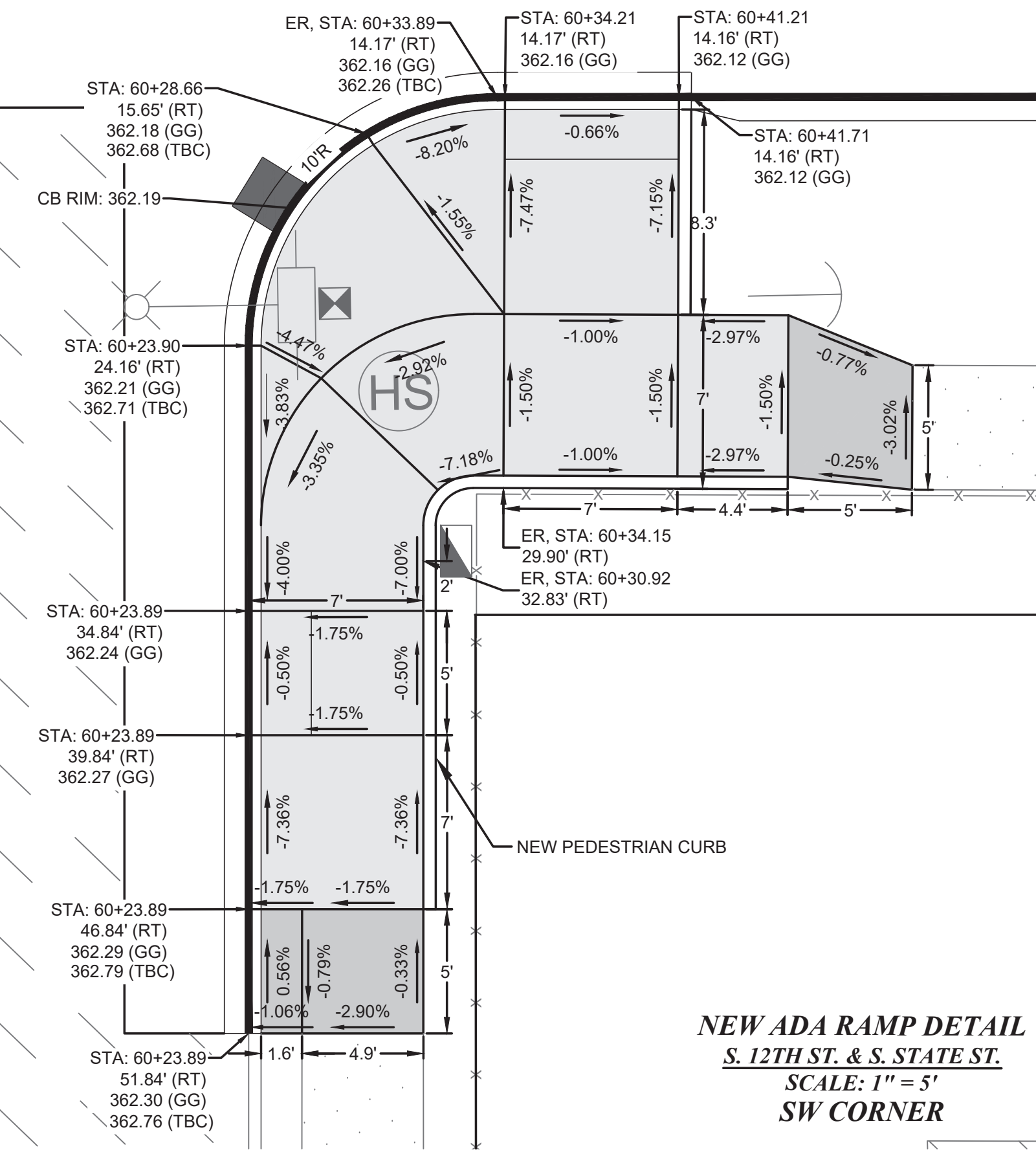
NEW ADA RAMP DETAIL
S. 12TH ST. & S. STATE ST.
SCALE: 1" = 5'
NE CORNER



NEW ADA RAMP DETAIL
S. 12TH ST. & S. STATE ST.
SCALE: 1" = 5'
NW CORNER



NEW ADA RAMP DETAIL
S. 12TH ST. & S. STATE ST.
SCALE: 1" = 5'
SE CORNER



NEW ADA RAMP DETAIL
S. 12TH ST. & S. STATE ST.
SCALE: 1" = 5'
SW CORNER



CITY OF
TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

ABBREVIATIONS:

GUTTER GRADE: GG
TOP BACK OF CURB: TBC

GENERAL NOTES:

- 1) CONTRACTOR SURVEY CREWS TO STAKE PROPOSED CURB RAMPS.
- 2) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.
- 3) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

CALL BEFORE YOU DIG

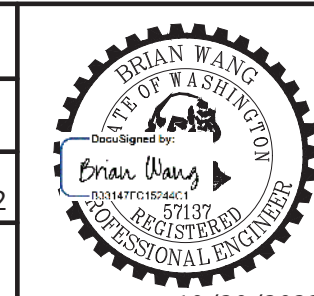
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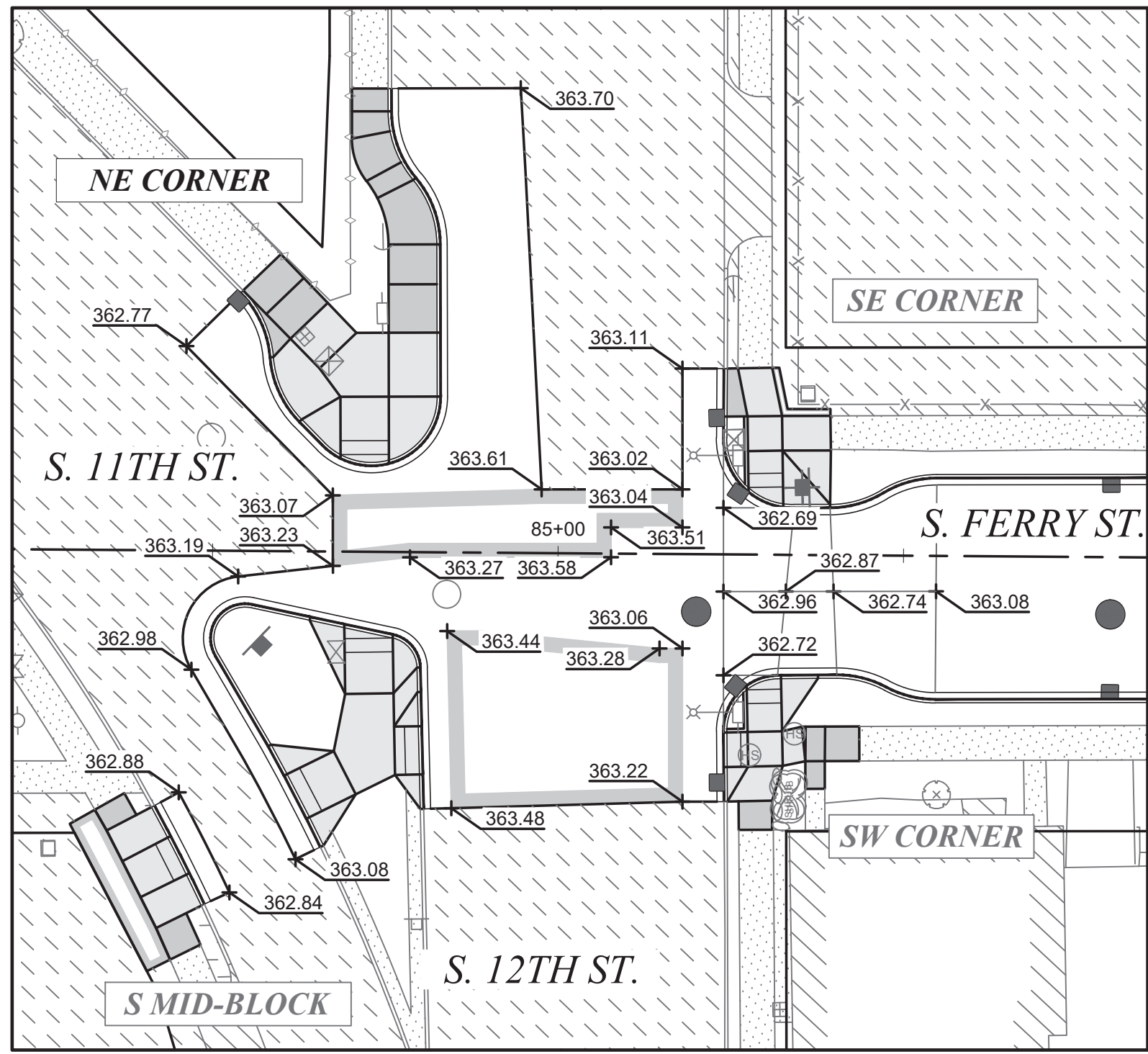
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED
DESIGNED BW	CHECKED DCS	PROJECT NAME PROP3 PKG32
DRAWN REE	DRAWING NAME PKG-32_IRP-1.DWG	



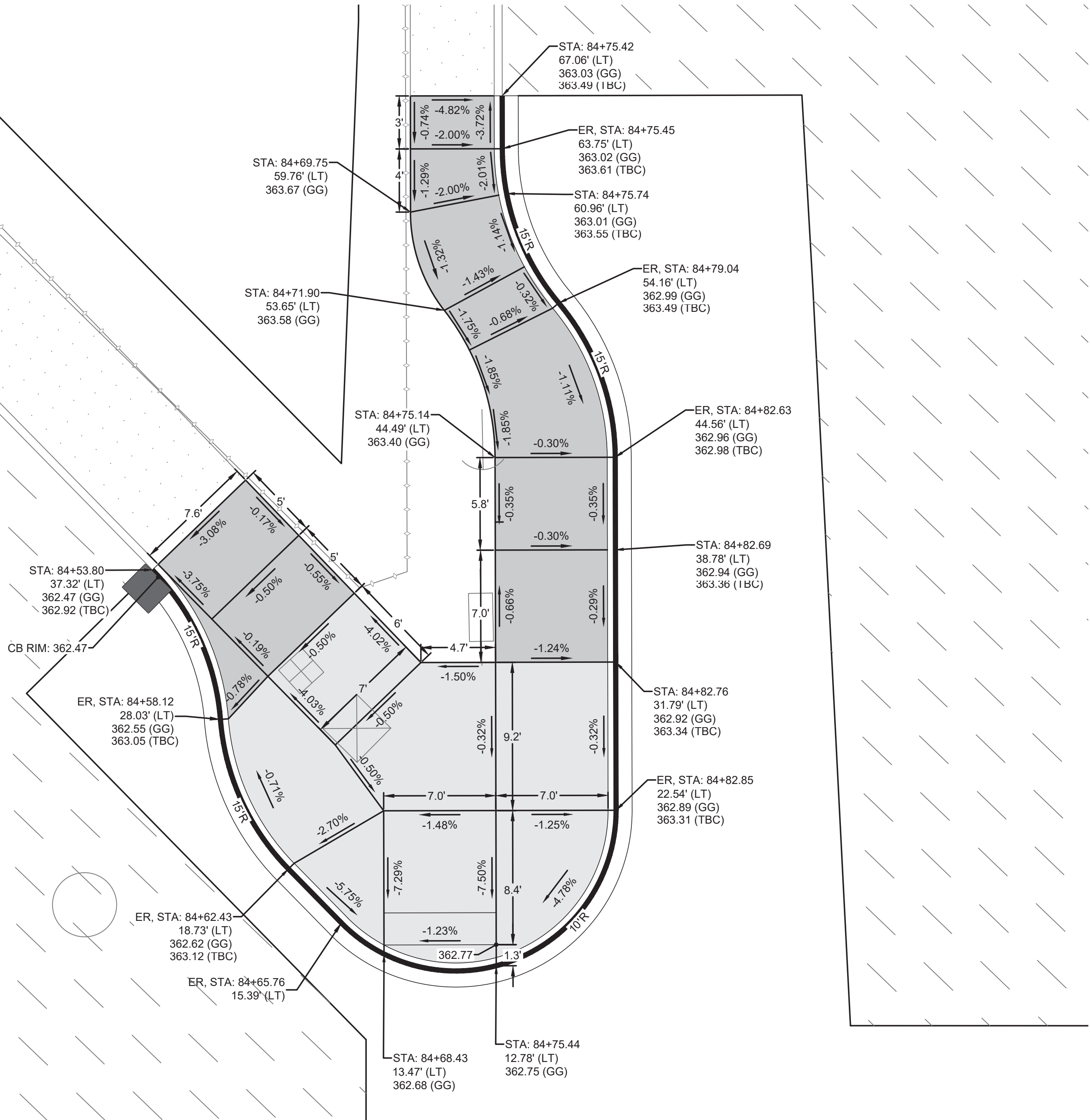
CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. 12TH ST. & S. STATE ST.
DocuSigned by:  57F124185F6B4A8		
MGR		

PWK-00434-32	
SHEET NO.	26
SHEET	IRP-1 OF IRP-8



SCALE: 1" = 20'

NEW ADA RAMP DETAIL
S. 11TH ST. & S. 12TH ST.
SCALE: 1" = 5'
NE CORNER



HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

ABBREVIATIONS:

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TOP BACK OF CURB: TBC

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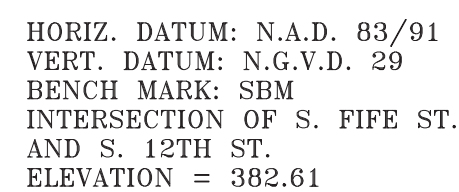
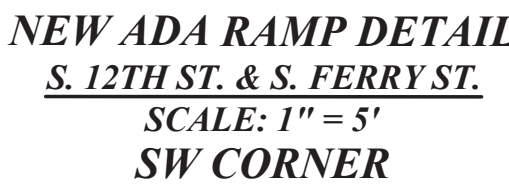
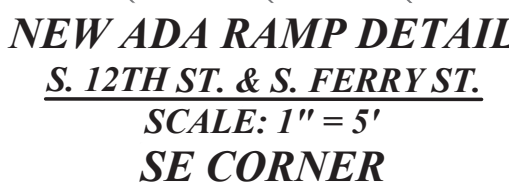
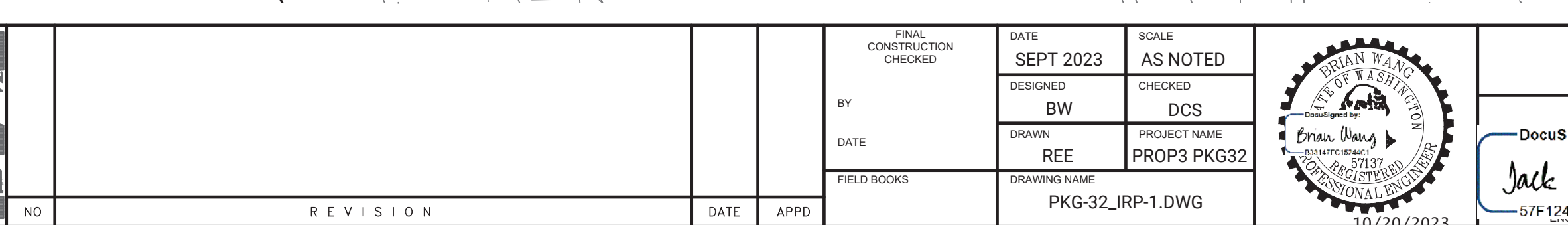
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED
BY DATE	DESIGNED BW	CHECKED DCS
FIELD BOOKS	DRAWN REE	PROJECT NAME PROP3 PKG32
	DRAWING NAME PKG-32_IRP-1.DWG	



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. 11TH, S. 12TH & S. FERRY ST.	PWK-00434-32
DocuSigned by: <i>Jack McInerney</i>			
57F124185FB84A8			

SHEET NO.	27
SHEET	IRP-2 OF IRP-8

CITY OF
TACOMA

ABBREVIATIONS:

GUTTER GRADE: GG
TOP BACK OF CURB: TBC

GENERAL NOTES:

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NO	R E V I S I O N	DATE APPD

FINAL CONSTRUCTION CHECKED		DATE SEPT 2023	SCALE AS NOTED
BY		DESIGNED BW	CHECKED DCS
		DRAWN REE	PROJECT NAME PROP3 PKG32
FIELD BOOKS		DRAWING NAME PKG-32_IRP-1.DWG	



DocuSigned by:

Jack Meluser
57F124185F694A8...

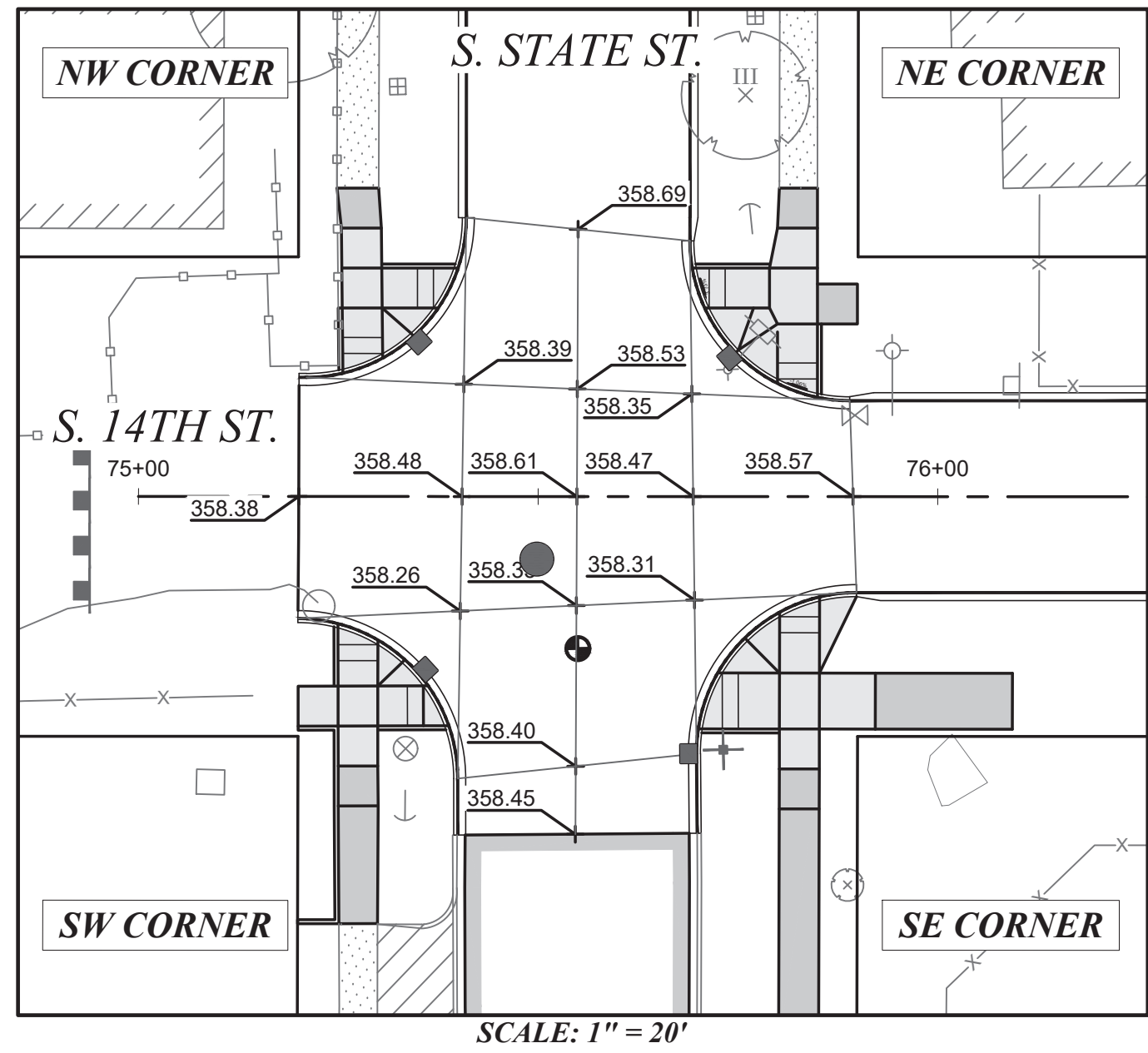
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

INTERSECTION & RAMP GRADING PLAN
STREET INITIATIVE PKG 32
INTERSECTION OF S. 11TH, S. 12TH & S. FERRY ST.

PWK-00434-32

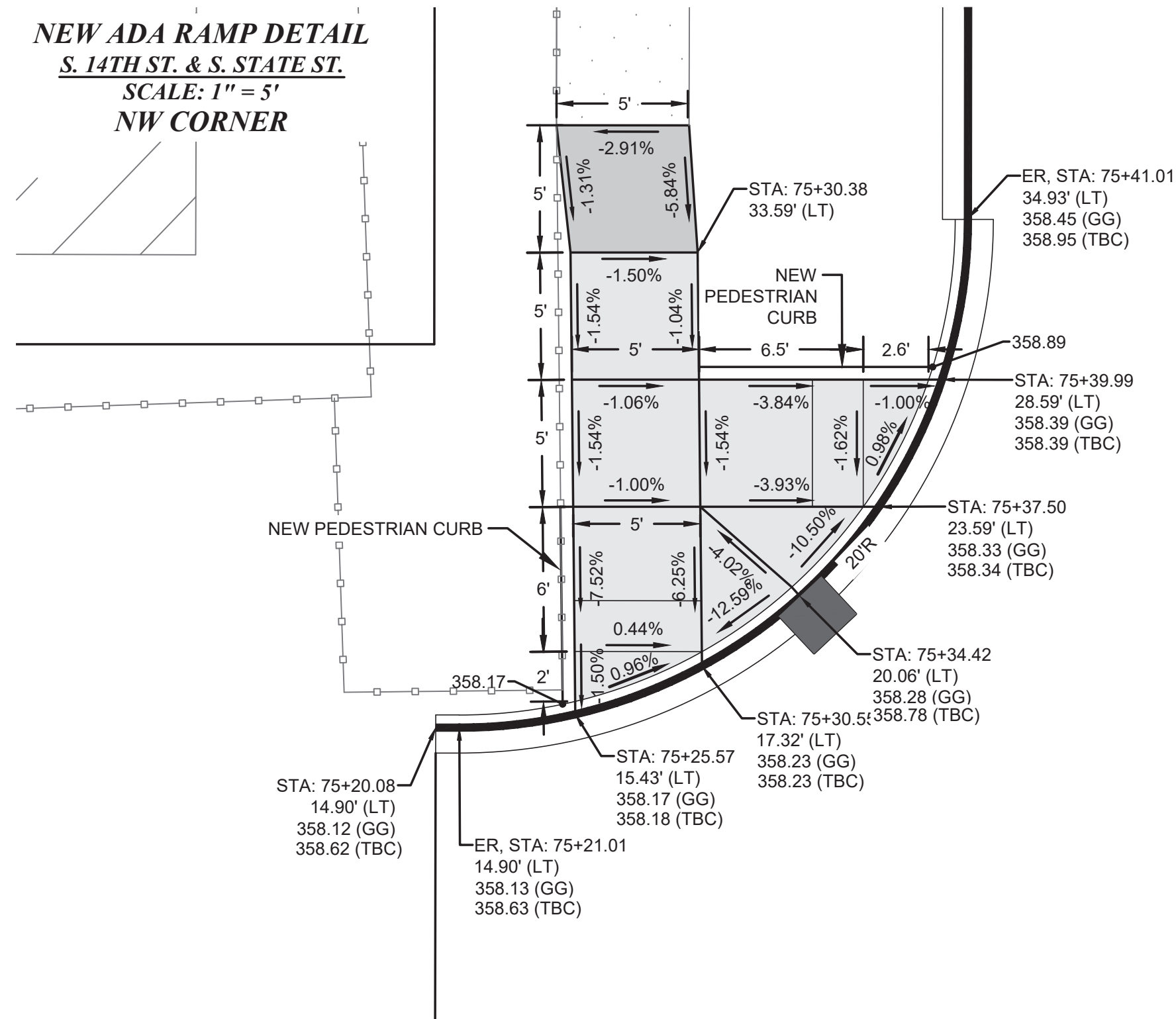
SHEET NO. 28

SHEET RP-2 OF RP-8

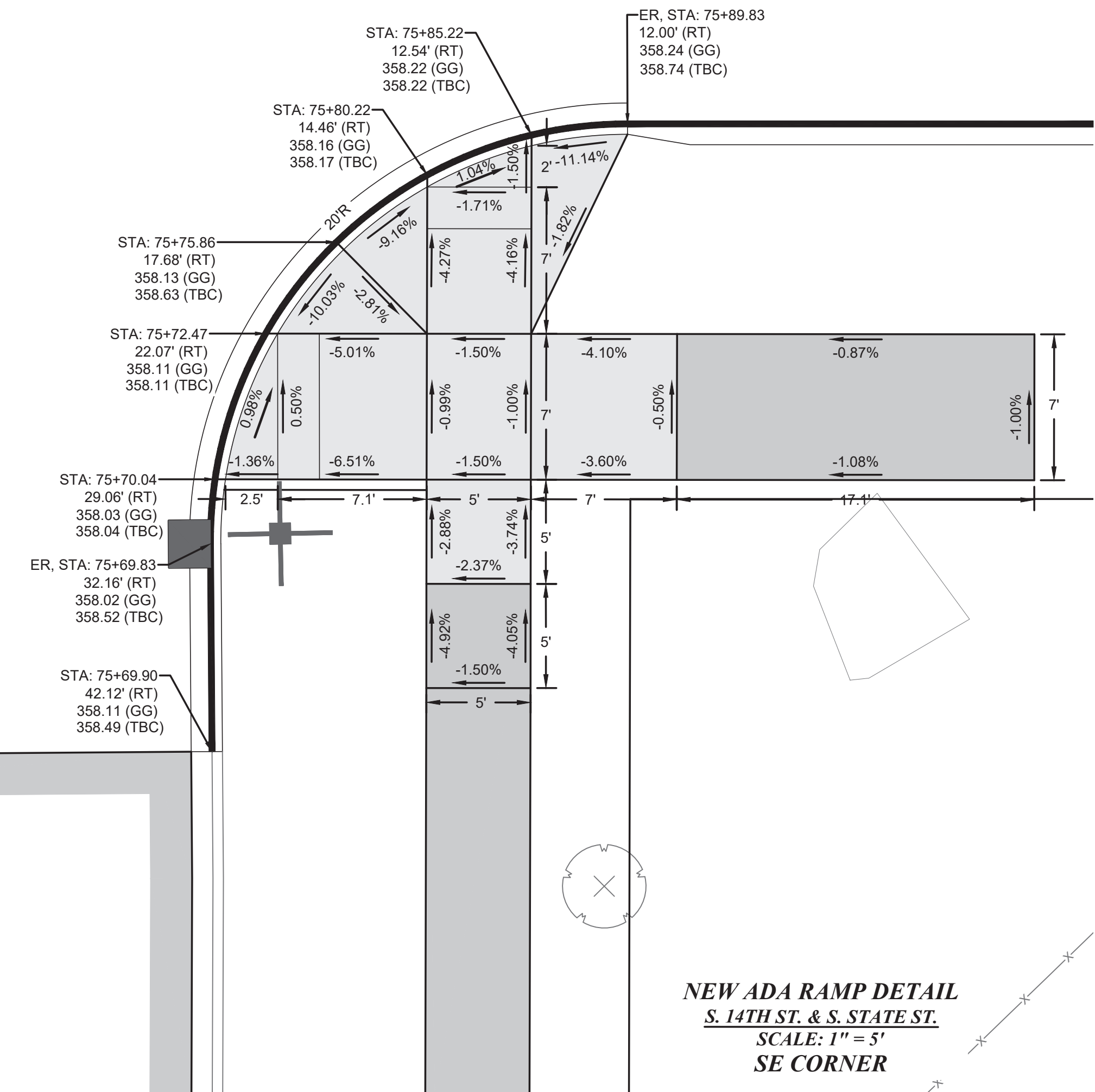
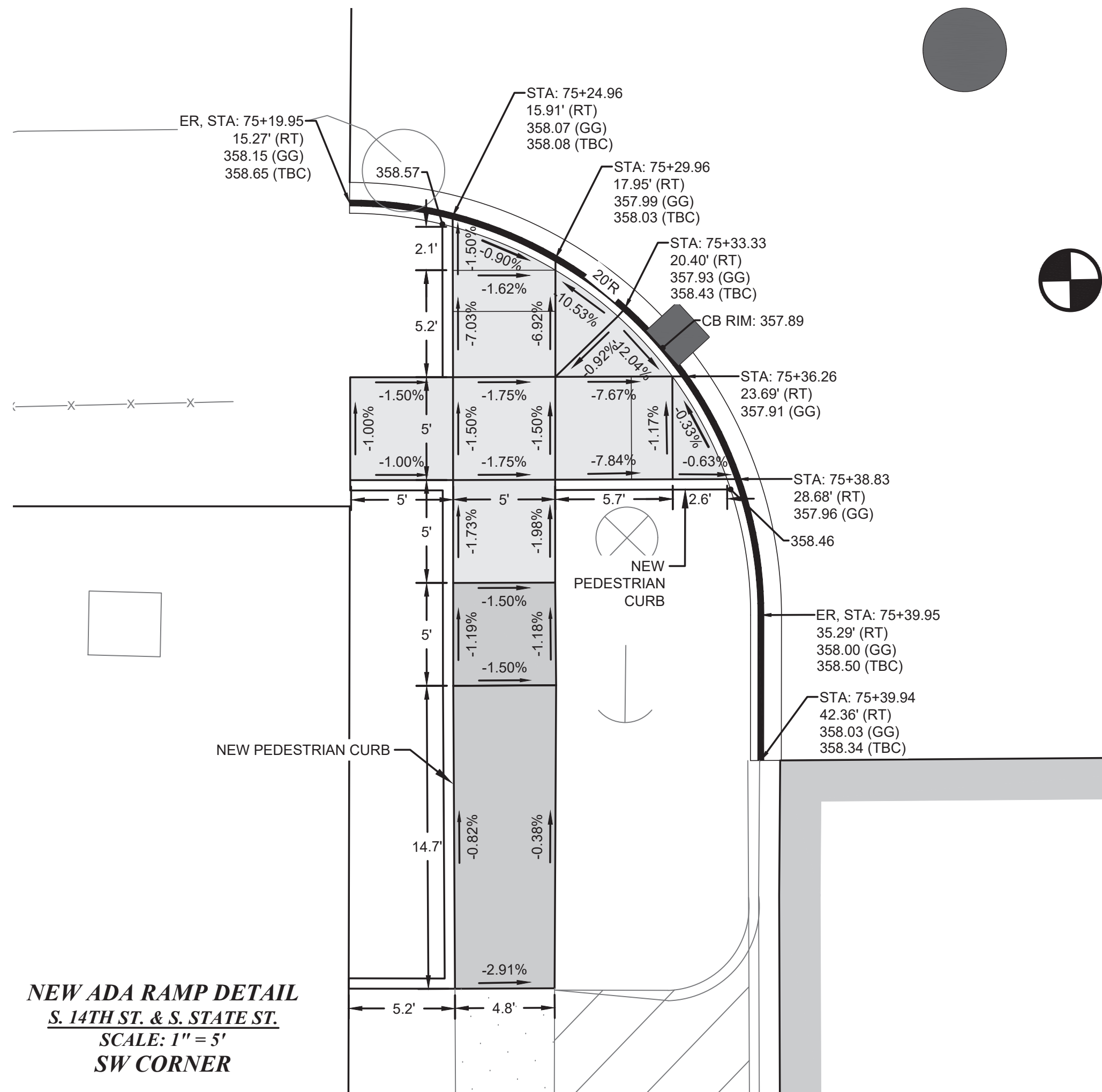
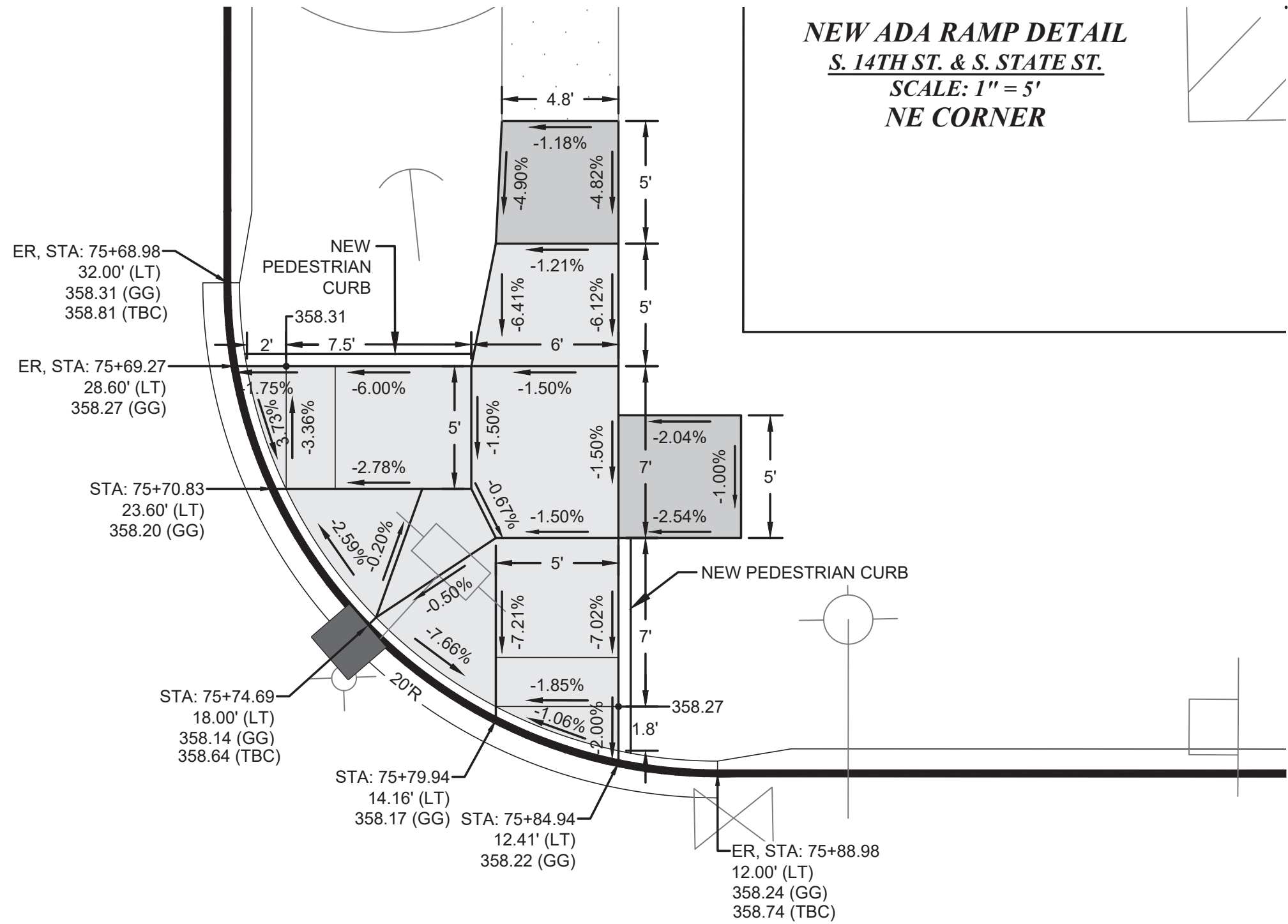


SCALE: 1" = 20'

NEW ADA RAMP DETAIL
S. 14TH ST. & S. STATE ST.
SCALE: 1" = 5'
NW CORNER



NEW ADA RAMP DETAIL
S. 14TH ST. & S. STATE ST.
SCALE: 1" = 5'
NE CORNER



HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

ABBREVIATIONS:

GUTTER GRADE: GG
TOP BACK OF CURB: TBC

GENERAL NOTES:

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NEW ADA RAMP DETAIL
S. 14TH ST. & S. STATE ST.
SCALE: 1" = 5'
SW CORNER

NEW ADA RAMP DETAIL
S. 14TH ST. & S. STATE ST.
SCALE: 1" = 5'
SE CORNER

CALL BEFORE YOU DIG

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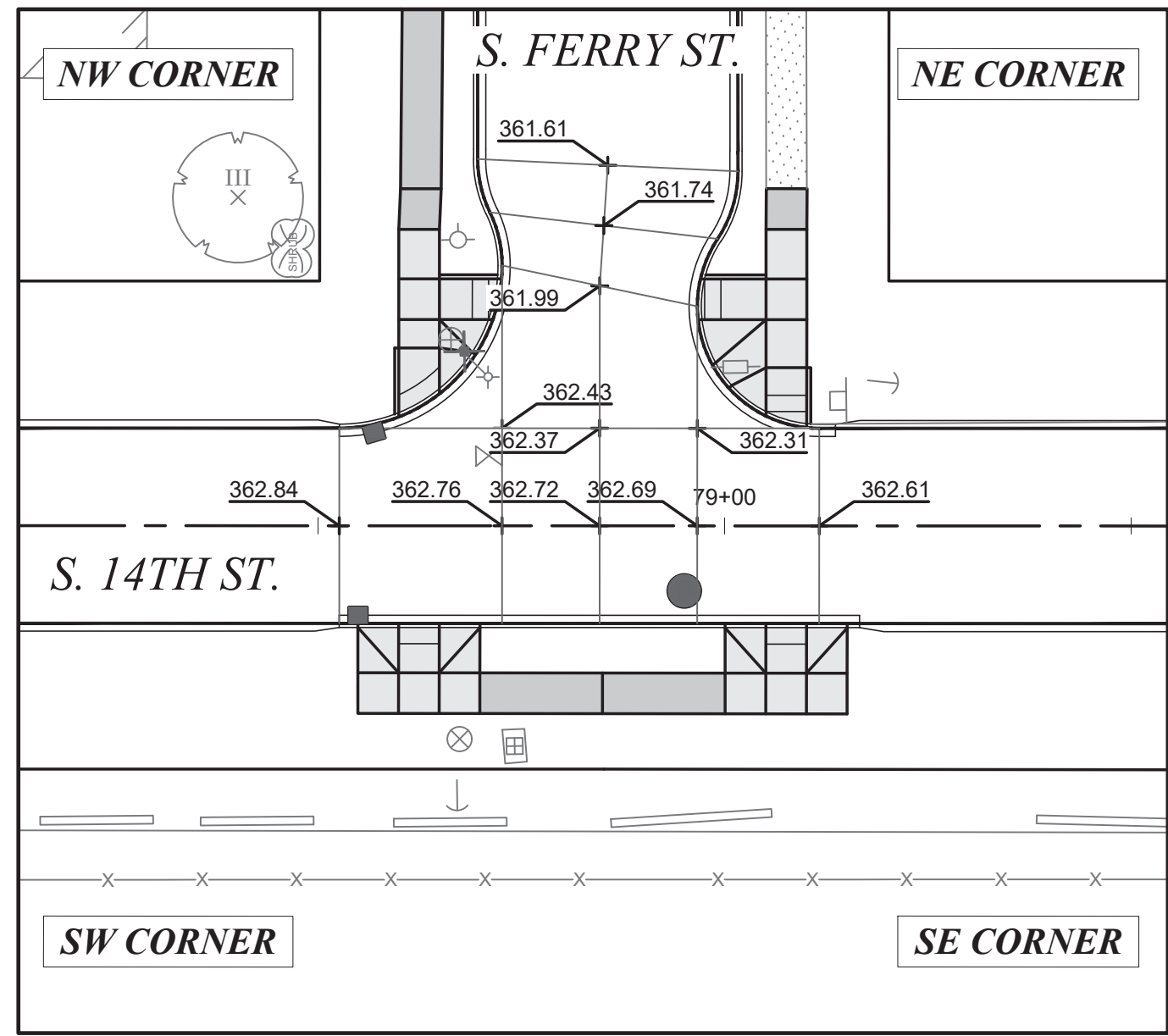
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED
BY DESIGNED BW	CHECKED DCS	
DATE DRAWN REE	PROJECT NAME PROP3 PKG32	
FIELD BOOKS	DRAWING NAME PKG-32_IRP-2.DWG	

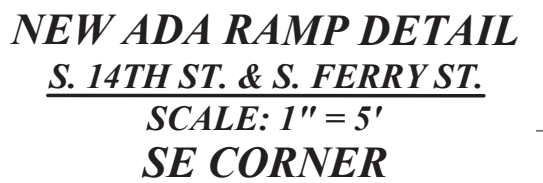
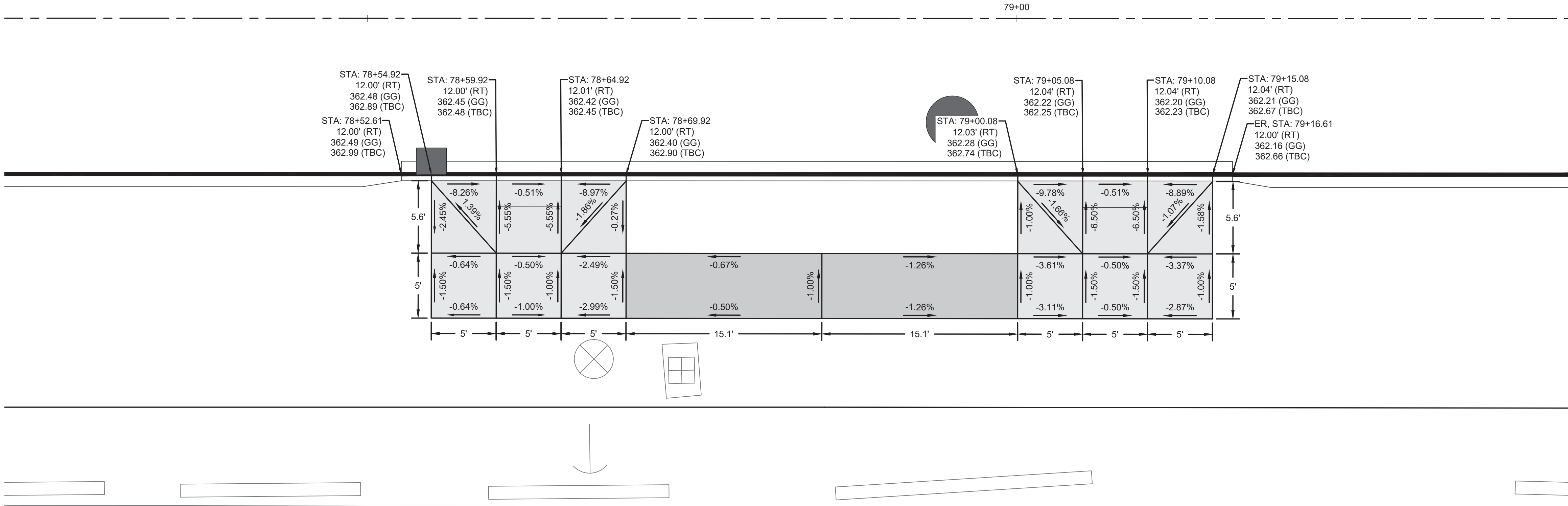
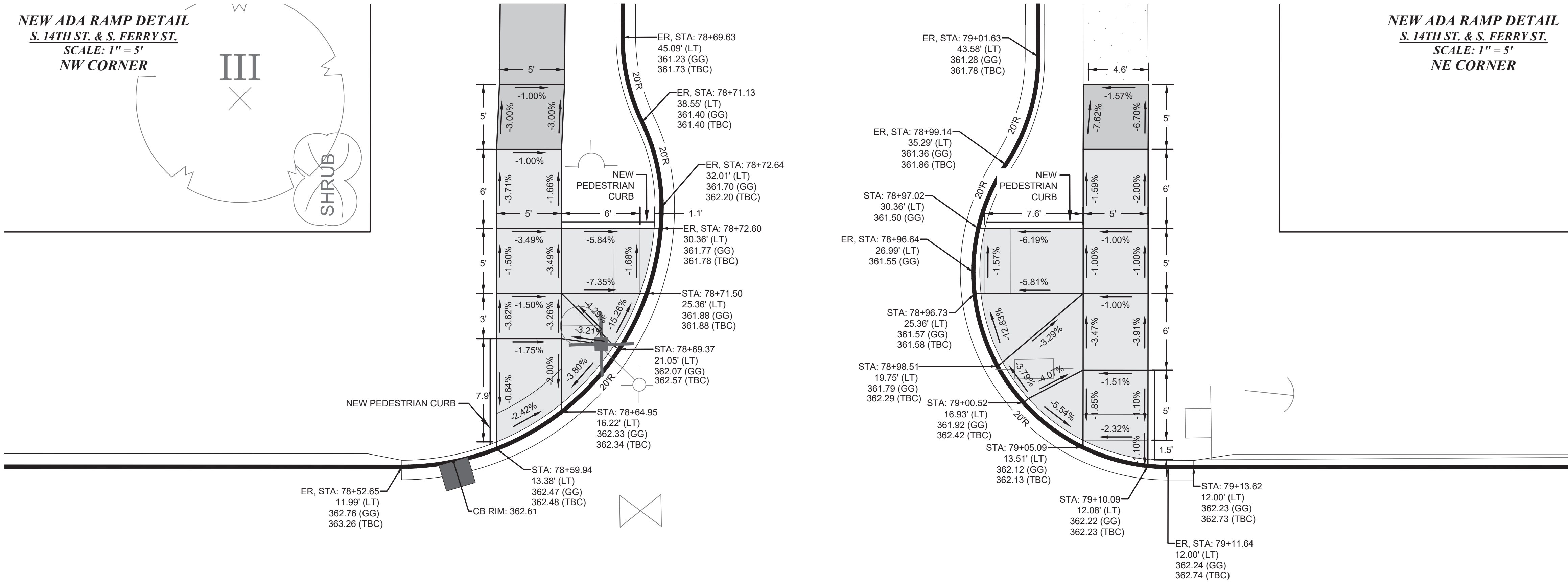
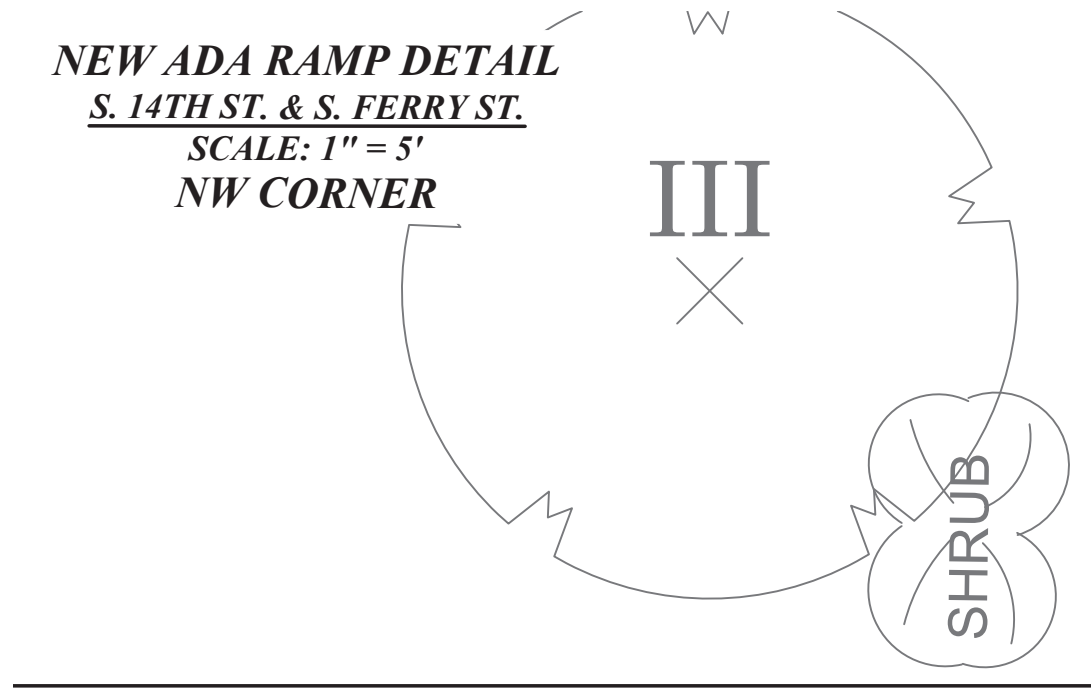


CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. 14TH ST. & S. STATE ST.
DocuSigned by:  57F124185FB94A8		
JAGER		

SHEET NO.	29
SHEET	IRP-3 OF IRP-7



SCALE: 1" = 20'



ABBREVIATIONS:

GUTTER GRADE: GG
TOP BACK OF CURB: TBC

GENERAL NOTES:

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HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61



CALL BEFORE YOU DIG

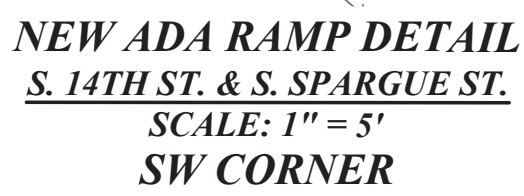
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NO	REVISION	DATE	APPD	FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED	CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		PWK-00434-32
				BY	DESIGNED BW	CHECKED DCS	INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. 14TH ST. & S. FERRY ST.		SHEET NO. 30
				DATE	DRAWN REE	PROJECT NAME PROP3 PKG32			SHEET IRP-4 OF IRP-7
				FIELD BOOKS	DRAWING NAME PKG-32_IRP-2.DWG		DocuSigned by: Jack McInuser 57F124185F684A8		
							10/20/2023		





HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

ABBREVIATIONS:

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TOP BACK OF CURB: TBC

GENERAL NOTES:

- 1) **CONTRACTOR SURVEY CREWS TO STAKE PROPOSED CURB RAMPS.**
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CALL BEFORE YOU DIG

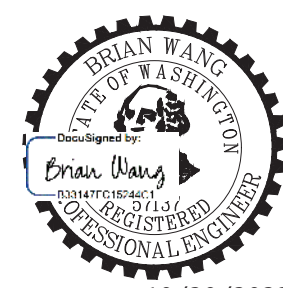
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R E V I S I O N	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	SEPT 2023	AS NOTED
BY	DESIGNED	CHECKED
	BW	DCS
DATE	DRAWN	PROJECT NAME
	REE	PROP3 PKG32
FIELD BOOKS	DRAWING NAME PKG-32_IRP-2.DWG	



— DocuSigned by:

Jack Meluser
— 57F124185F694A8...

57F124185F694A8... JAGEE

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

INTERSECTION & RAMP GRADING PLAN

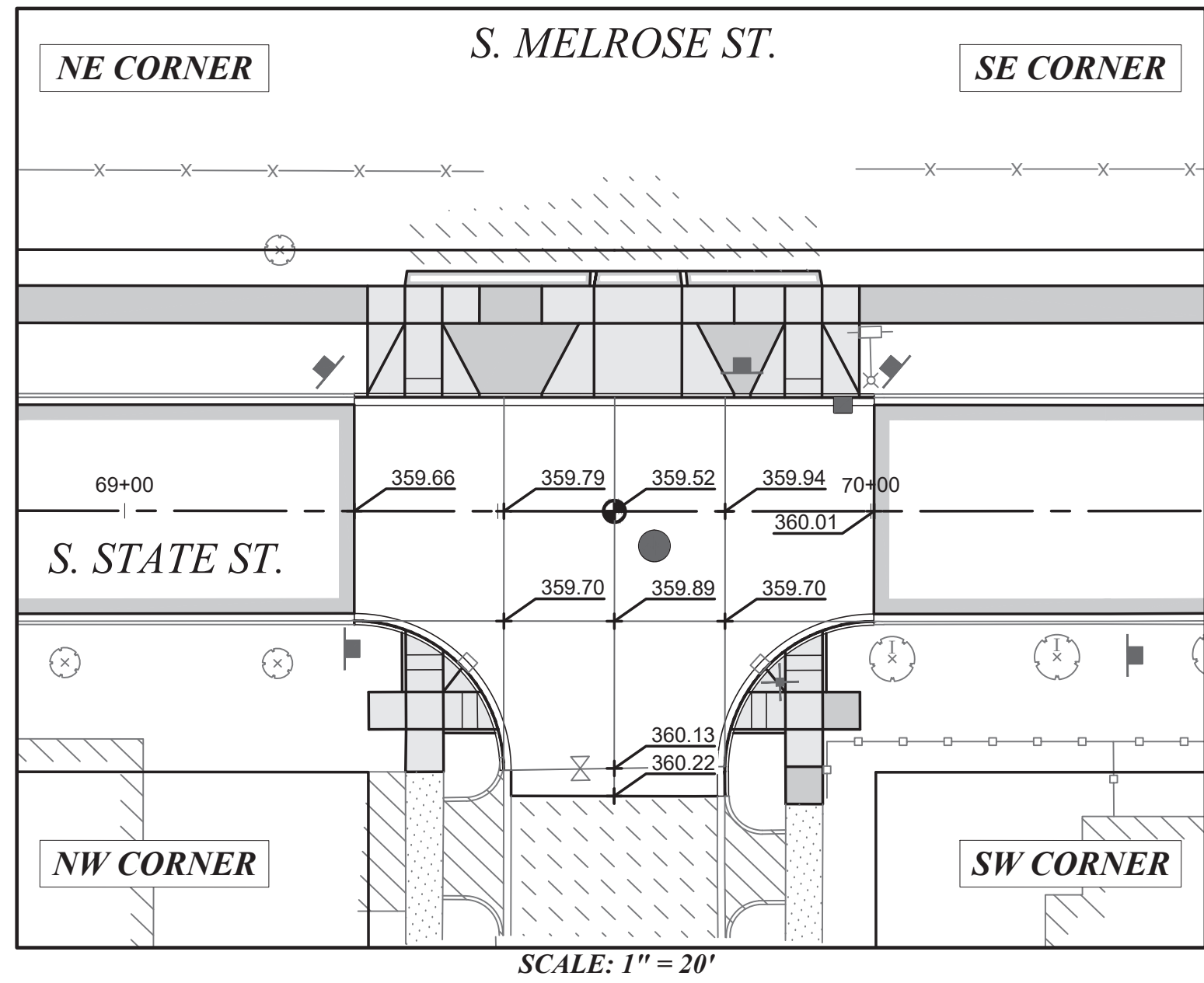
STREET INITIATIVE PKG 32

INTERSECTION OF S. 14TH ST. & S. SPRAGUE AVE.

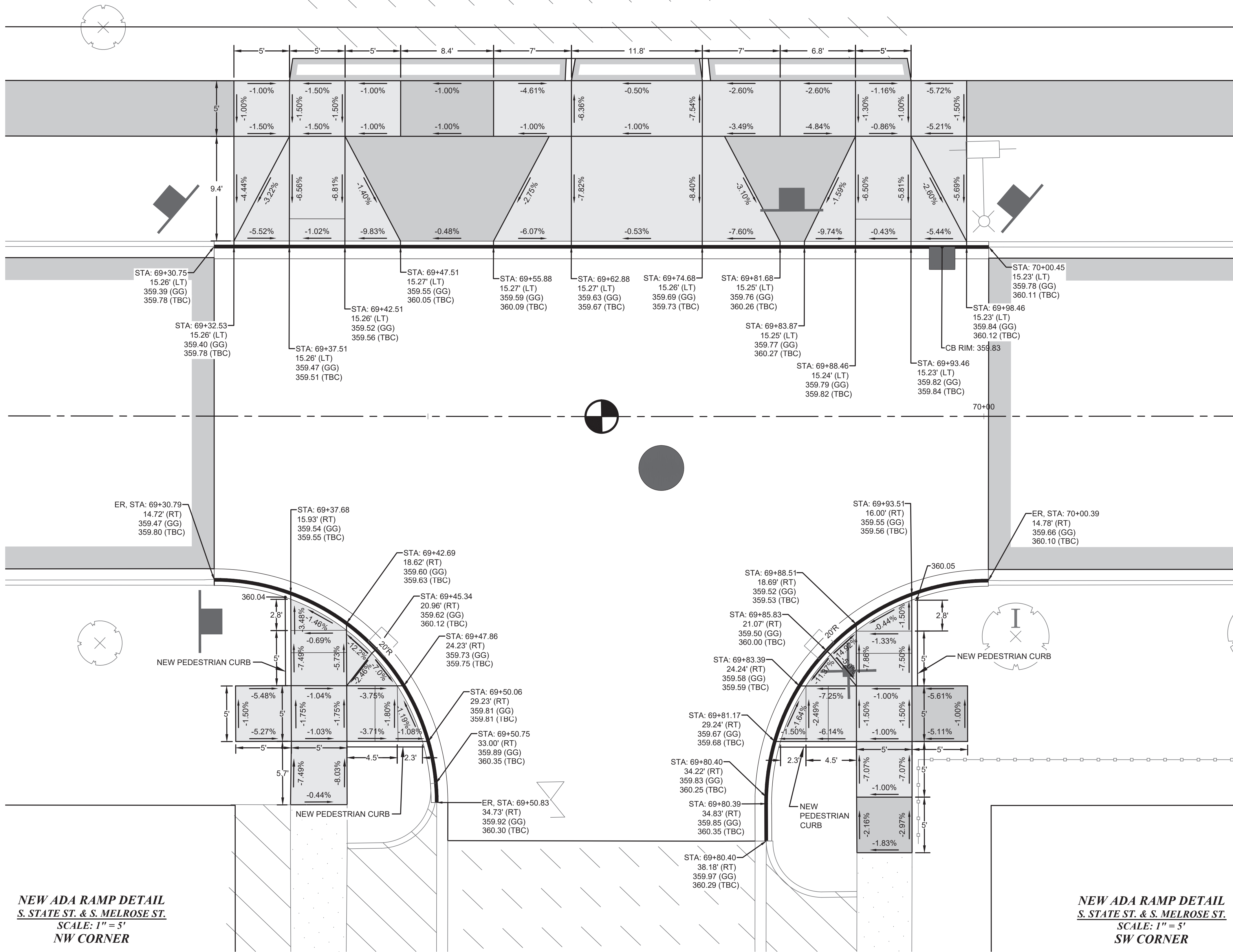
PWK-00434-32

SHEET NO. 31

SHEET IRP-5 OF IRP-7



NEW ADA RAMP DETAIL
S. STATE ST. & S. MELROSE ST.
SCALE: 1" = 5'
NE CORNER



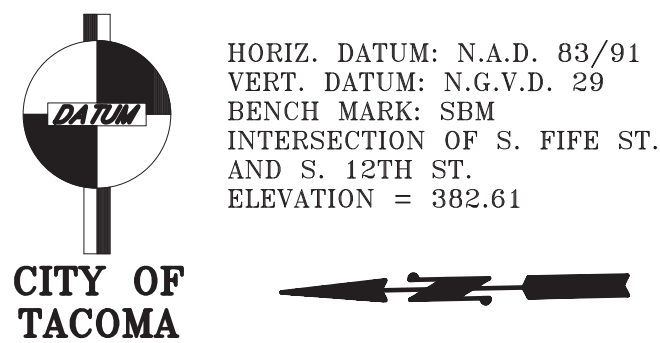
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NEW ADA RAMP DETAIL
S. STATE ST. & S. MELROSE ST.
SCALE: 1" = 5'
NW CORNER



CALL BEFORE YOU DIG

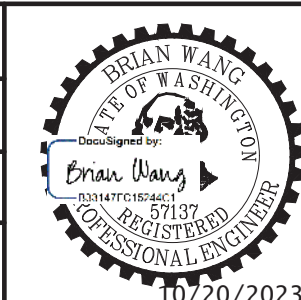
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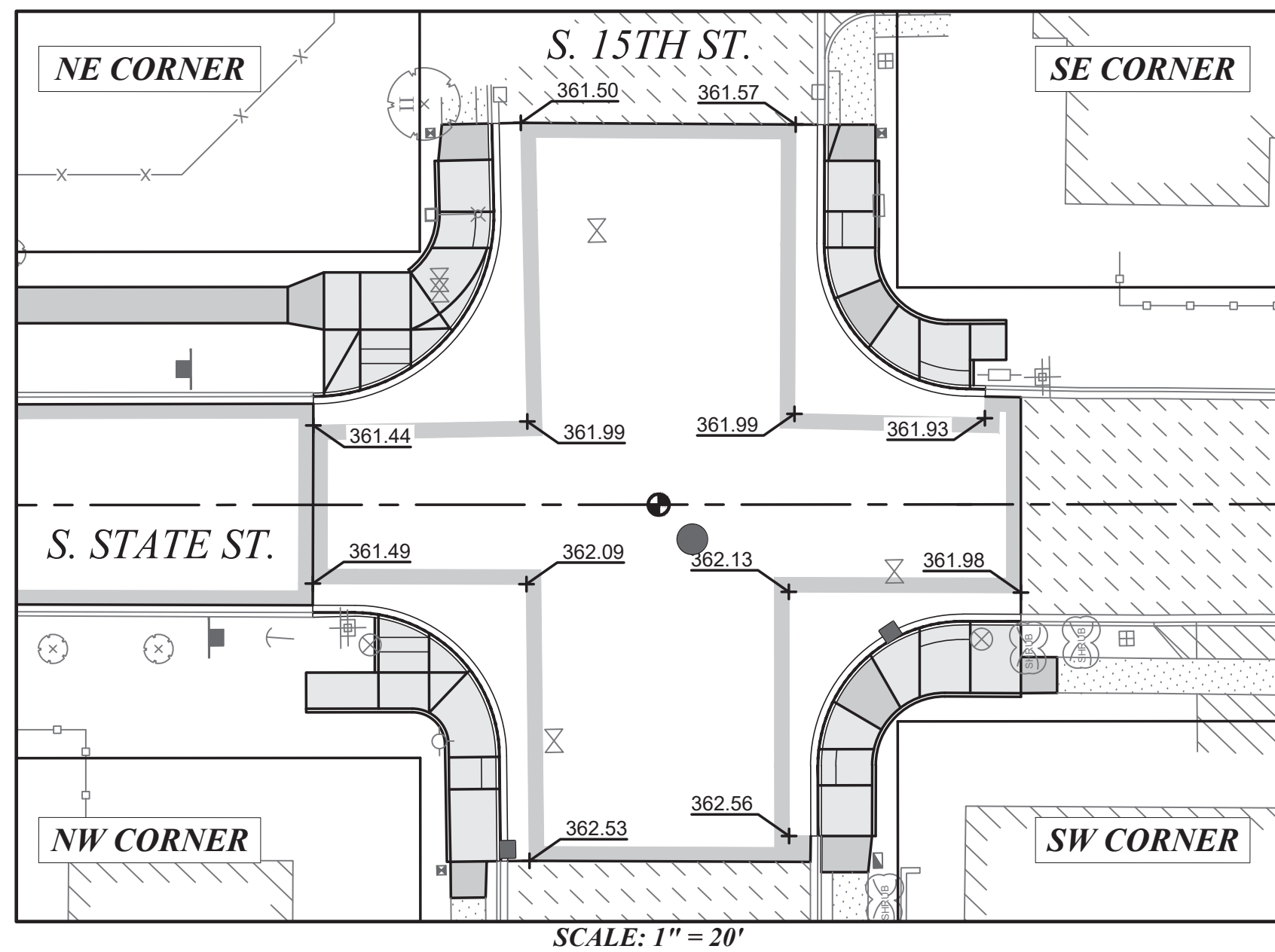
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED
BY BW	CHECKED DCS	PROJECT NAME PROP3 PKG32
DATE	DRAWN REE	DRAWING NAME PKG-32_IRP-2.DWG
FIELD BOOKS		

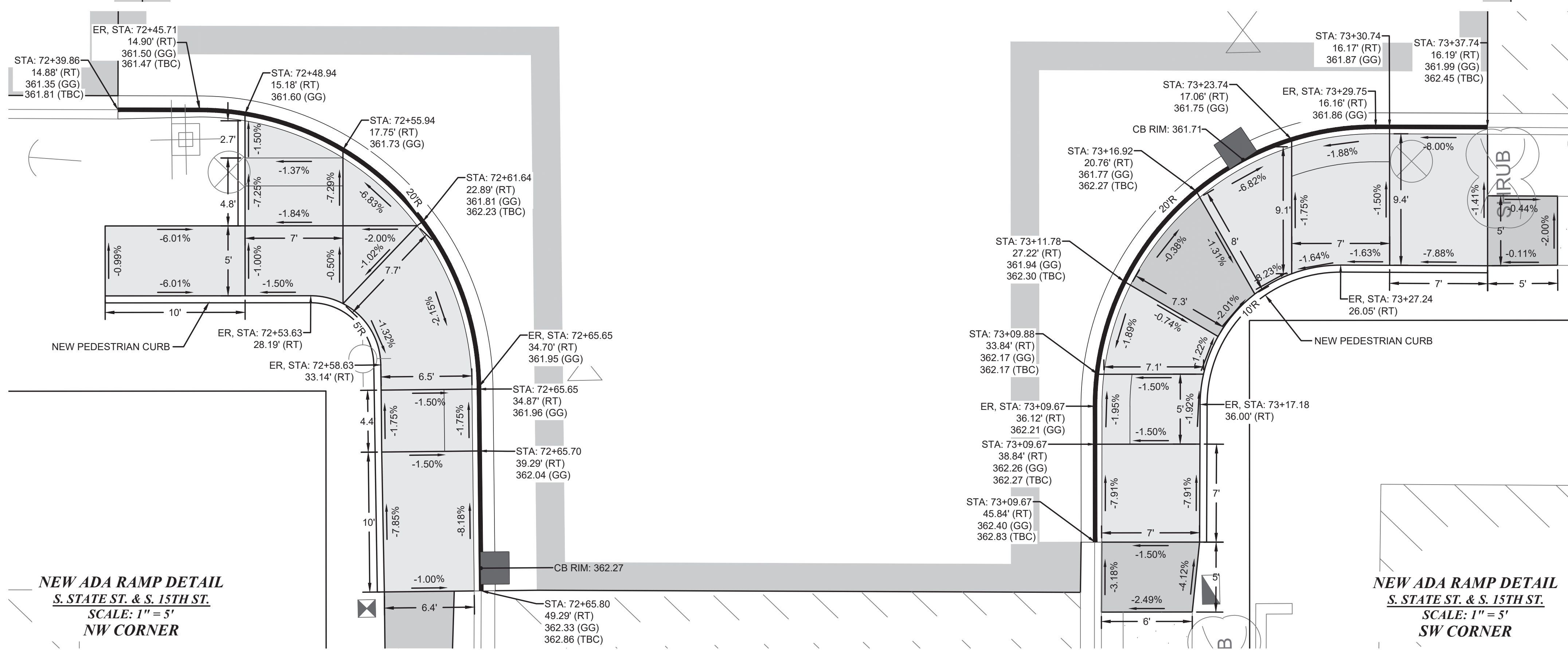
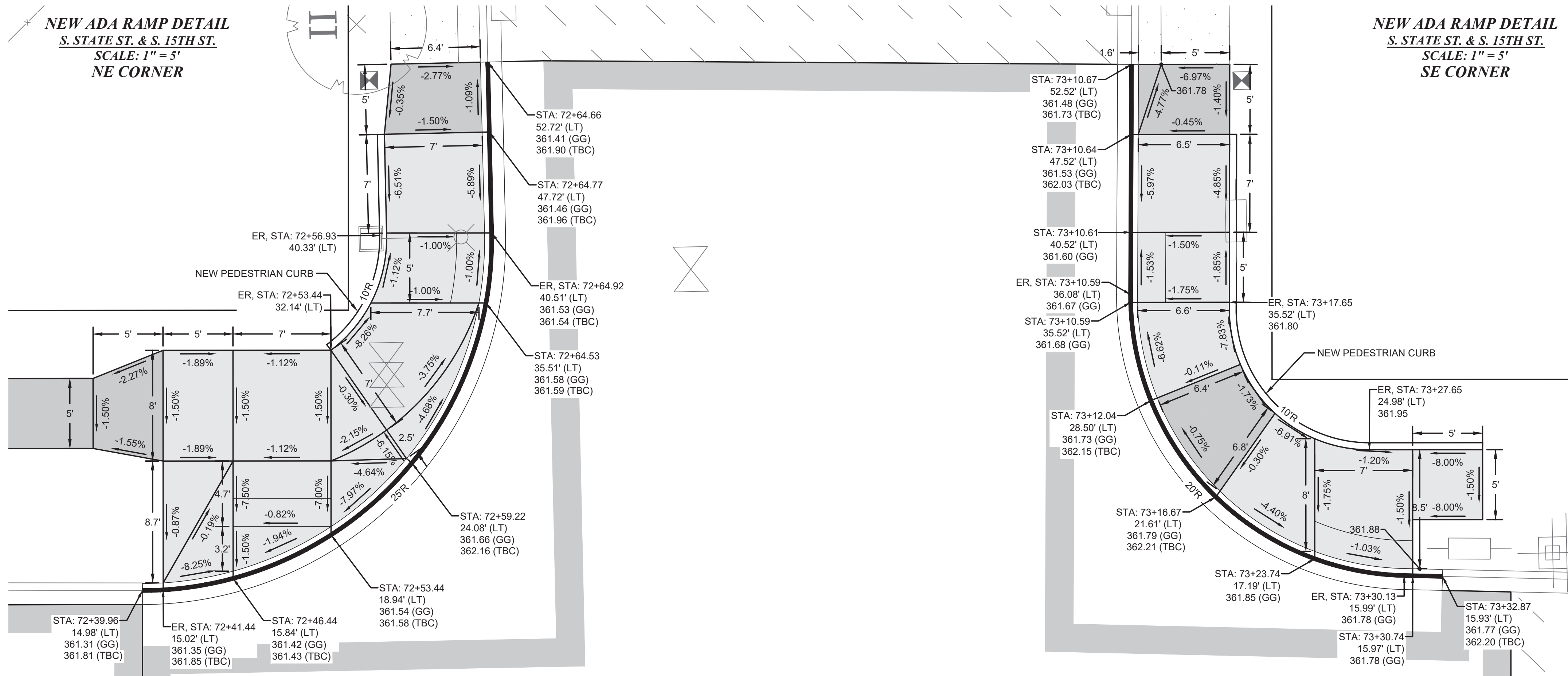


CITY OF TACOMA	
DEPARTMENT OF PUBLIC WORKS	
DocuSigned by:  57F124185F684A8	INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. STATE ST. & S. MELROSE ST.

SHEET NO.	32
SHEET	IRP-6 OF IRP-7



SCALE: 1" = 20'



ABBREVIATIONS:

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TOP BACK OF CURB: TBC

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CITY OF TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

CALL BEFORE YOU DIG

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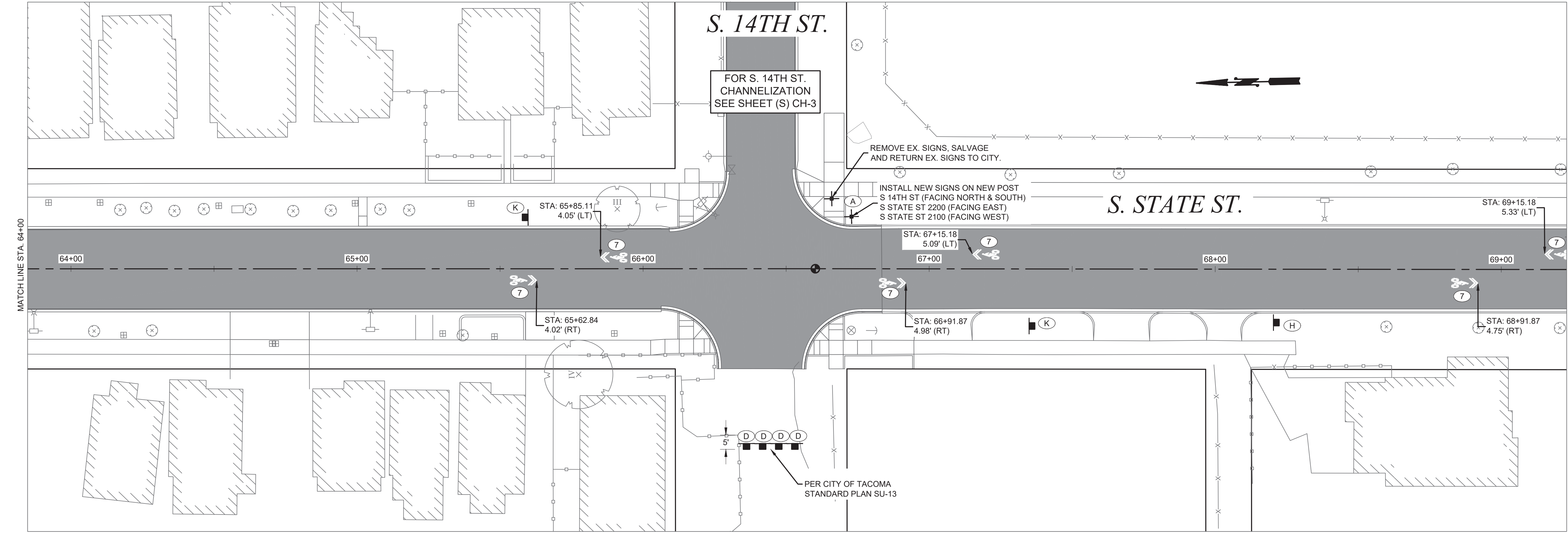
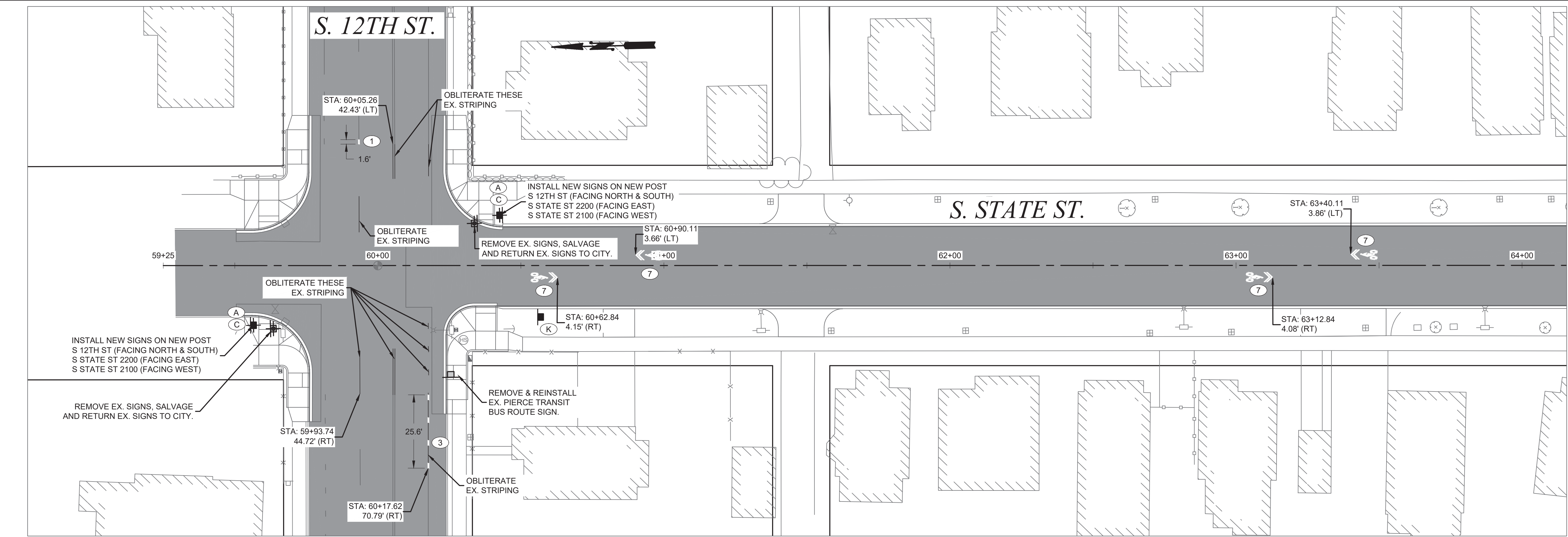


NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE AS NOTED
DESIGNED BW	CHECKED DCS	PROJECT NAME PROP32 PKG32
DRAWN REE	PROJECT NAME PROP32 PKG32	DRAWING NAME PKG-32_IRP-2.DWG
FIELD BOOKS	DATE	DATE



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		INTERSECTION & RAMP GRADING PLAN STREET INITIATIVE PKG 32 INTERSECTION OF S. STATE ST. & S. 15TH ST.	PWK-00434-32 SHEET NO. 33 SHEET IRP-7 OF IRP-7
DocuSigned by: Jack McInerney 57F124185F684A8	DATE 10/20/2023		



SEE SHEET CH-5 FOR GENERAL NOTES
RELATING TO CHANNELIZATION AND
SIGNING

CHANNELIZATION NOTES	
①	4" WHITE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03A
②	6" WHITE BIKE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
③	6" WHITE BIKE LANE SKIP LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
④	8" WHITE GORE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A
⑤	DOUBLE YELLOW CENTER LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑥	YELLOW TWO WAY LEFT TURN LINE (TWLTL), THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑦	WHITE SHARROW, THERMOPLASTIC, PER COT STND. PLAN CH-11
⑧	4" WHITE EDGE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03B

SIGNING NOTES				
SEE COT STANDARD PLAN SU-34				
TYPE	DESCRIPTION	SIZE	PROJ. QTY.	
A	D3-1 STREET NAME		7	
B	OM3 (L) OBJECT MARKER (LEFT)		1	
C	R1-1 STOP	30" X 30"	4	
D	OM4-1 END OF ROAD MARKER	24" X 24"	4	
E	NO PARKING ANY TIME WITH RIGHT ARROW	12" X 18"	1	
F	NO PARKING ANY TIME WITH LEFT ARROW	12" X 18"	1	
G	NOT USED			
H	R7-102 NO PARKING ANY TIME	12" X 18"	3	
I	W1-7 DOUBLE ARROW	48" X 24"	1	
J	R4-7 KEEP RIGHT	24" X 30"	1	
K	CUSTOM SHARED LANE	SEE DETAIL	5	

LEGEND	
	EXISTING SIGN MOUNTED ON POST
	EXISTING SIGN MOUNTED ON POLE
	REMOVE AND SALVAGE POST AND SIGN
	INSTALL NEW SIGN AND POST
	EXISTING STREET NAME SIGN(S)
	REMOVE & SALVAGE STREET NAME SIGN(S)
	NEW STREET NAME SIGN(S)

CALL BEFORE YOU DIG

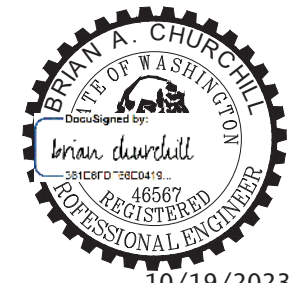
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

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(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

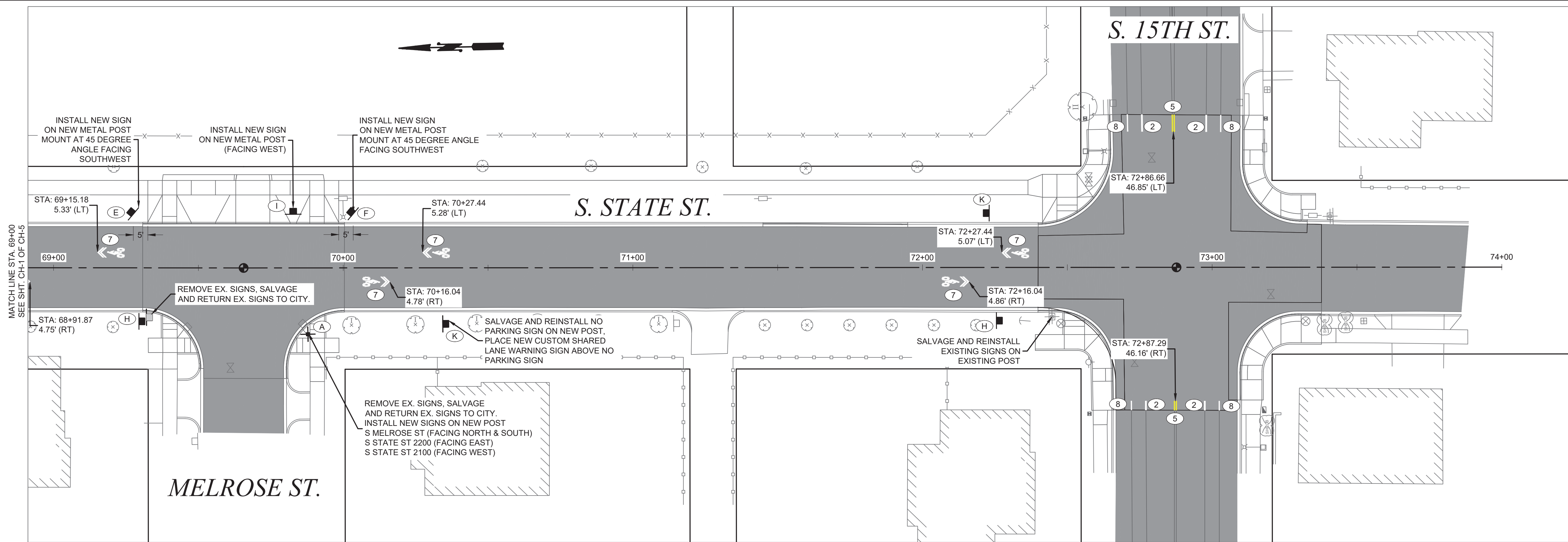


REVISION		DATE	APPD
NO			

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
	DESIGNED BAC	CHECKED BAC
BY	DRAWN REE	PROJECT NAME PROP3 PKG32
	DATE	DRAWING NAME PKG32-CH.DWG
FIELD BOOKS		



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		
DocuSigned by: 57F124185F684A8		CH-1 OF CH-5
CHANNELIZATION / SIGNAGE PLAN STREET INITIATIVE PKG 32 S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.		PWK-00434-32



SEE SHEET CH-5 FOR GENERAL NOTES RELATING TO CHANNELIZATION AND SIGNING	
CHANNELIZATION NOTES	
①	4" WHITE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03A
②	6" WHITE BIKE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
③	6" WHITE BIKE LANE SKIP LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
④	8" WHITE GORE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A
⑤	DOUBLE YELLOW CENTER LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑥	YELLOW TWO WAY LEFT TURN LINE (TWLTL), THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑦	WHITE SHARROW, THERMOPLASTIC, PER COT STND. PLAN CH-11
⑧	4" WHITE EDGE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03B

SIGNING NOTES			
SEE COT STANDARD PLAN SU-34			
TYPE	DESCRIPTION	SIZE	PROJ. QTY.
(A)	D3-1 STREET NAME		7
(B)	OM3 (L) OBJECT MARKER (LEFT)		1
(C)	R1-1 STOP	30" X 30"	4
(D)	OM4-1 END OF ROAD MARKER	24" X 24"	4
(E)	NO PARKING ANY TIME WITH RIGHT ARROW	12" X 18"	1
(F)	NO PARKING ANY TIME WITH LEFT ARROW	12" X 18"	1
(G)	NOT USED		
(H)	R7-102 NO PARKING ANY TIME	12" X 18"	3
(I)	W1-7 DOUBLE ARROW	48" X 24"	1
(J)	R4-7 KEEP RIGHT	24" X 30"	1
(K)	CUSTOM SHARED LANE	SEE DETAIL	5

LEGEND	
	EXISTING SIGN MOUNTED ON POST
	EXISTING SIGN MOUNTED ON POLE
	REMOVE AND SALVAGE POST AND SIGN
	INSTALL NEW SIGN AND POST
	EXISTING STREET NAME SIGN(S)
	REMOVE & SALVAGE STREET NAME SIGN(S)
	NEW STREET NAME SIGN(S)

CALL BEFORE YOU DIG

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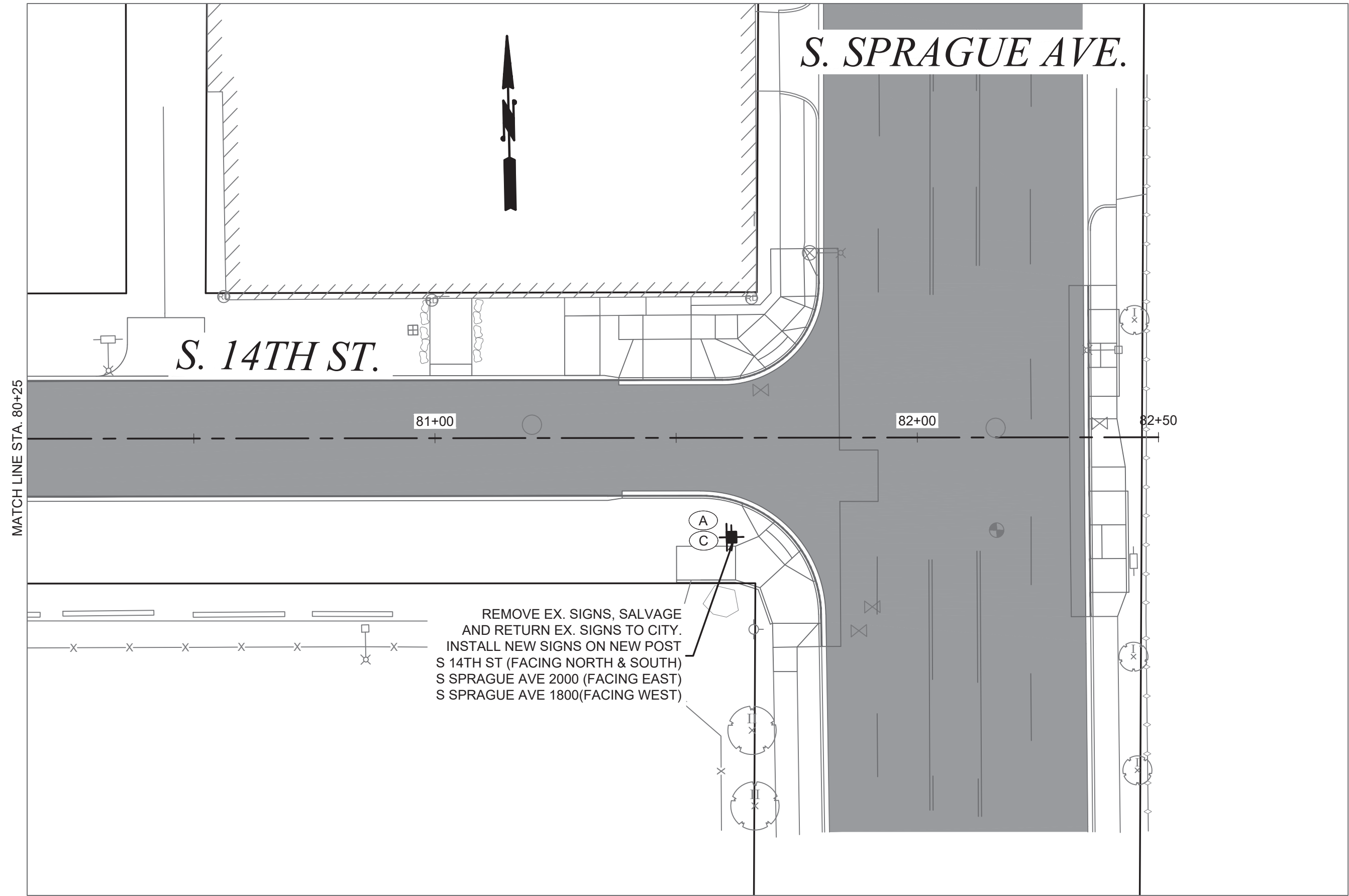
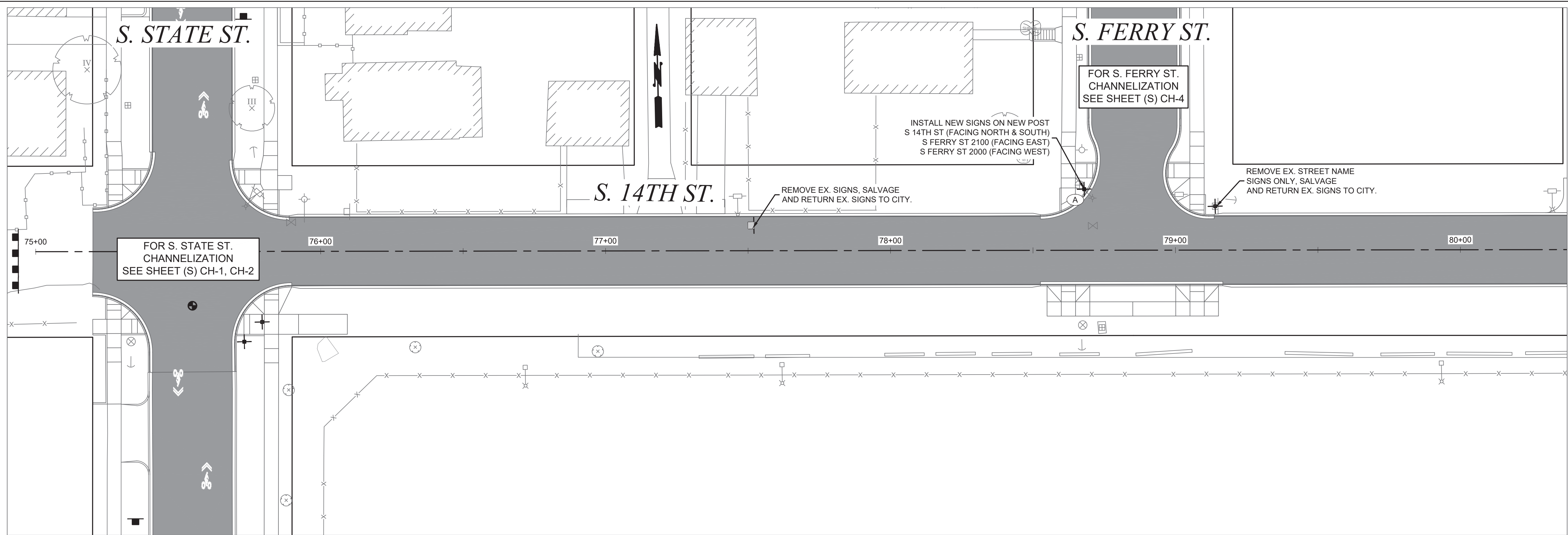
CALL TWO BUSINESS DAYS BEFORE YOU DIG
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NO	REVISION	DATE	APPD
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FINAL CONSTRUCTION CHECKED	DATE	SCALE
BY	SEPT 2023	1" = 20'
DATE	DESIGNED BAC	CHECKED BAC
FIELD BOOKS	DRAWN REE	PROJECT NAME PROP3 PKG32
	DRAWING NAME	PKG32-CH.DWG

CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	
DocuSigned by: 57F124185F684A8	CHANELIZATION / SIGNAGE PLAN STREET INITIATIVE PKG 32 S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32
SHEET NO. 35
SHEET CH-2 OF CH-5



SEE SHEET CH-5 FOR GENERAL NOTES RELATING TO CHANNELIZATION AND SIGNING	
CHANNELIZATION NOTES	
①	4" WHITE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03A
②	6" WHITE BIKE LANE SKIP LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
③	6" WHITE BIKE LANE SKIP LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
④	8" WHITE GORE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A
⑤	DOUBLE YELLOW CENTER LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑥	YELLOW TWO WAY LEFT TURN LINE (TWLTL), THERMOPLASTIC, PER COT STND. PLAN CH-03A & CH-09
⑦	WHITE SHARROW, THERMOPLASTIC, PER COT STND. PLAN CH-11
⑧	4" WHITE EDGE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03B

SIGNING NOTES				
SEE COT STANDARD PLAN SU-34				
	TYPE	DESCRIPTION	SIZE	PROJ. QTY.
Ⓐ	D3-1	STREET NAME		7
Ⓑ	OM3 (L)	OBJECT MARKER (LEFT)		1
Ⓒ	R1-1	STOP	30" X 30"	4
Ⓓ	OM4-1	END OF ROAD MARKER	24" X 24"	4
Ⓔ		NO PARKING ANY TIME WITH RIGHT ARROW	12" X 18"	1
Ⓕ		NO PARKING ANY TIME WITH LEFT ARROW	12" X 18"	1
Ⓖ		NOT USED		
Ⓗ	R7-102	NO PARKING ANY TIME	12" X 18"	3
Ⓘ	W1-7	DOUBLE ARROW	48" X 24"	1
Ⓚ	R4-7	KEEP RIGHT	24" X 30"	1
Ⓛ	CUSTOM	SHARED LANE	SEE DETAIL	5

LEGEND	
	EXISTING SIGN MOUNTED ON POST
	EXISTING SIGN MOUNTED ON POLE
	REMOVE AND SALVAGE POST AND SIGN
	INSTALL NEW SIGN AND POST
	EXISTING STREET NAME SIGN(S)
	REMOVE & SALVAGE STREET NAME SIGN(S)
	NEW STREET NAME SIGN(S)

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

DATE

SEPT 2023

DESIGNED

BAC

CHECKED

BAC

DRAWN

REE

PROJECT NAME

PROP3 PKG32

DRAWING NAME

PKG32-CH.DWG

SCALE

1" = 20'



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:

Jack McInerney

57F124185F684A8...JAGER

CHANNELIZATION / SIGNAGE PLAN

STREET INITIATIVE PKG 32

S. 14TH ST. FROM S. STATE ST. TO S. SPRAGUE ST.

PWK-00434-32

SHEET NO.

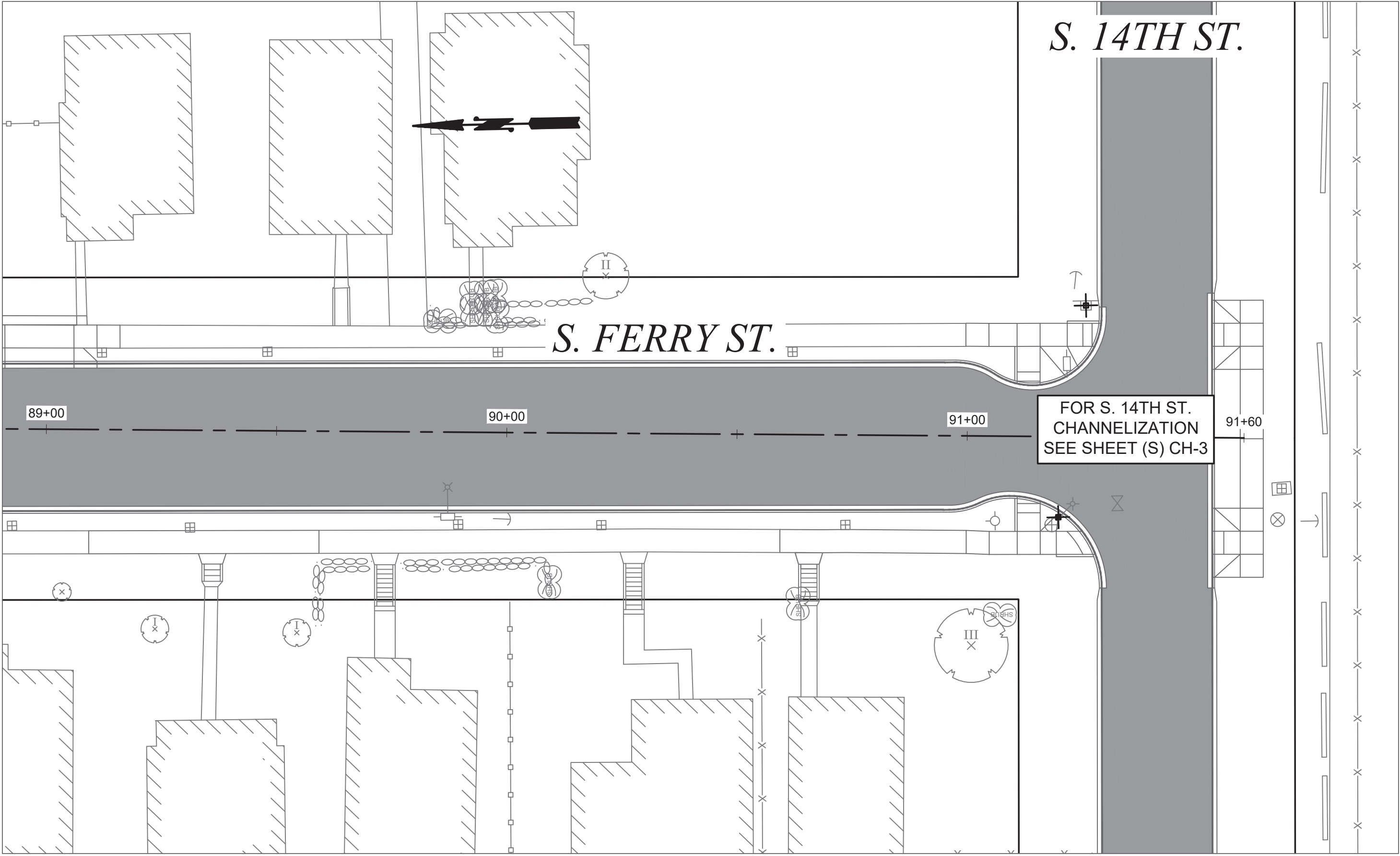
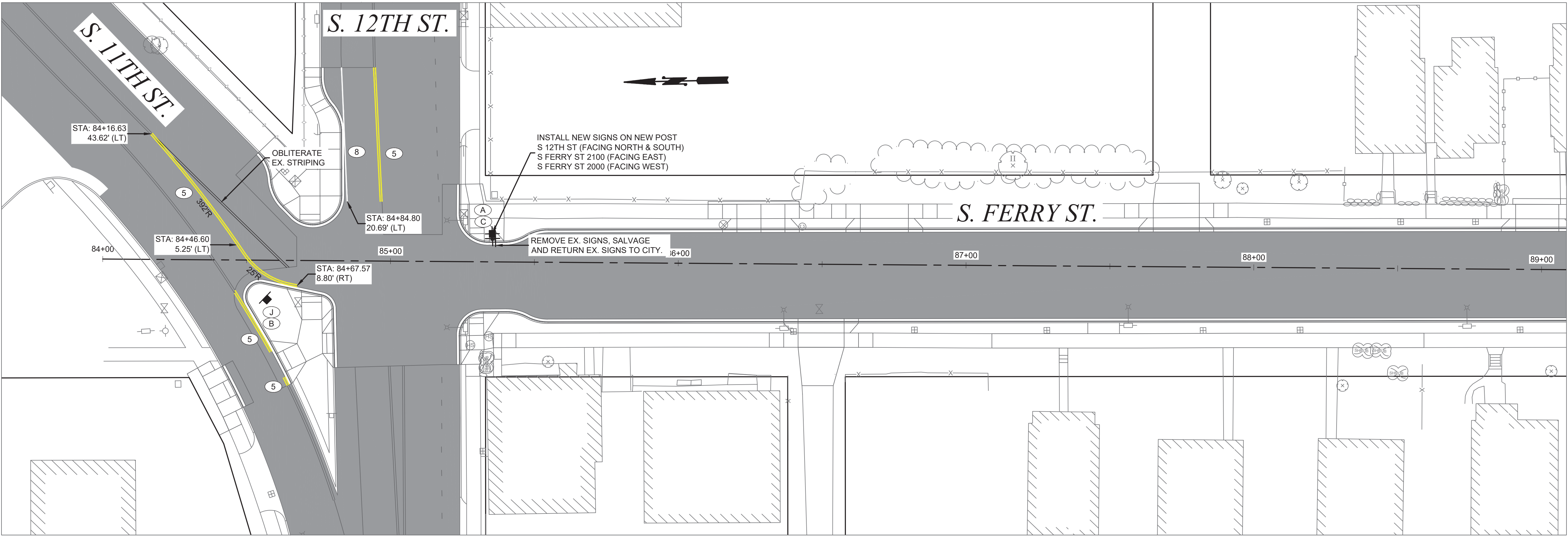
36

SHEET

CH-3

OF

CH-5



SEE SHEET CH-5 FOR GENERAL NOTES RELATING TO CHANNELIZATION AND SIGNING	
CHANNELIZATION NOTES	
①	4" WHITE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03A
②	6" WHITE BIKE LANE LINE, THERMOPLASTIC, PER STND. PLAN CH-03B
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④	8" WHITE GORE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03A
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⑦	WHITE SHARROW, THERMOPLASTIC, PER COT STND. PLAN CH-11
⑧	4" WHITE EDGE LINE, THERMOPLASTIC, PER COT STND. PLAN CH-03B

SIGNING NOTES				
SEE COT STANDARD PLAN SU-34				
	TYPE	DESCRIPTION	SIZE	PROJ. QTY.
Ⓐ	D3-1	STREET NAME		7
Ⓑ	OM3 (L)	OBJECT MARKER (LEFT)		1
Ⓒ	R1-1	STOP	30" X 30"	4
Ⓓ	OM4-1	END OF ROAD MARKER	24" X 24"	4
Ⓔ		NO PARKING ANY TIME WITH RIGHT ARROW	12" X 18"	1
Ⓕ		NO PARKING ANY TIME WITH LEFT ARROW	12" X 18"	1
Ⓖ		NOT USED		
Ⓗ	R7-102	NO PARKING ANY TIME	12" X 18"	3
Ⓘ	W1-7	DOUBLE ARROW	48" X 24"	1
Ⓚ	R4-7	KEEP RIGHT	24" X 30"	1
Ⓛ	CUSTOM	SHARED LANE	SEE DETAIL	5

LEGEND	
	EXISTING SIGN MOUNTED ON POST
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	REMOVE AND SALVAGE POST AND SIGN
	INSTALL NEW SIGN AND POST
	EXISTING STREET NAME SIGN(S)
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	NEW STREET NAME SIGN(S)

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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
	DESIGNED BAC	CHECKED BAC
BY	DRAWN REE	PROJECT NAME PROP3 PKG32
DATE	DRAWING NAME PKG32-CH.DWG	
FIELD BOOKS		



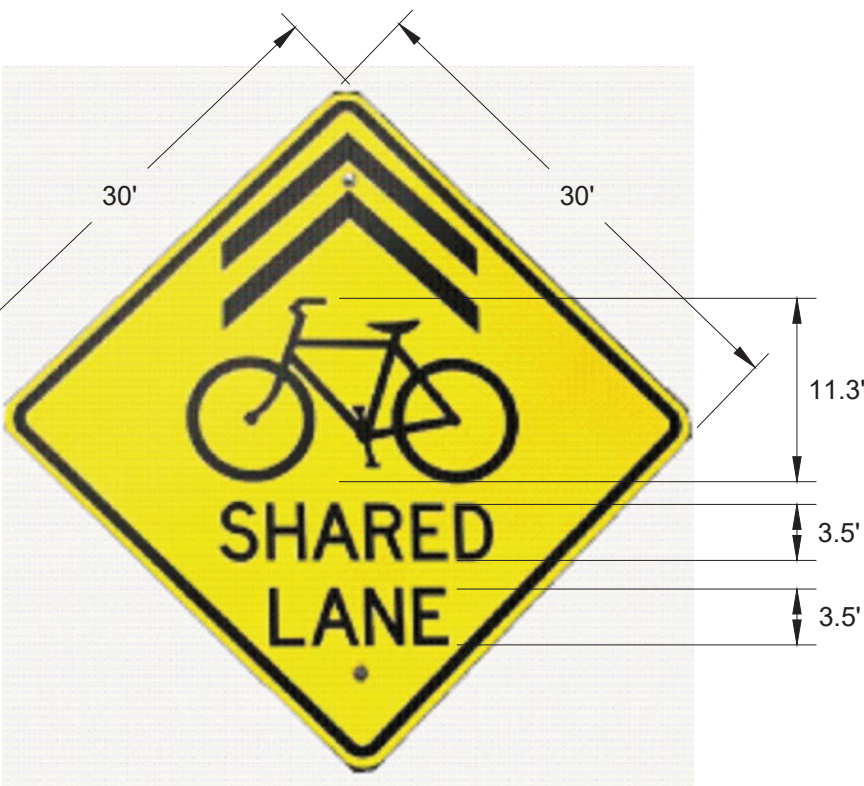
CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS			
<div>DocuSigned by:  57F124185F684A8</div>	CHANNELIZATION / SIGNAGE PLAN STREET INITIATIVE PKG 32 S. FERRY ST. FROM S.12TH ST. TO S. 14TH ST.	PWK-00434-32	
		SHEET NO. 37	
	57F124185F684A8		SHEET CH-4 OF CH-5

*GENERAL CHANNELIZATION
NOTES*

1. THE CITY OF TACOMA TRAFFIC ENGINEERING SECTION SHALL BE NOTIFIED AT LEAST THREE (3) BUSINESS DAYS PRIOR TO STARTING ANY STRIPING WORK.
2. UNLESS OTHERWISE SPECIFIED, ALL PAVEMENT MARKING INSTALLATIONS AND REMOVALS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE CITY'S SPECIFICATIONS. ITEMS NOT COVERED UNDER THE CITY SPECIFICATIONS SHALL CONFORM TO THE WSDOT/APWA STANDARD SPECIFICATIONS AND THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS ADOPTED AND MODIFIED BY WASHINGTON ADMINISTRATIVE CODE (WAC) 468-95.
3. TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE MOST RECENT EDITION OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK, THE MUTCD, AND/OR AS DIRECTED BY THE CITY OF TACOMA.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF THE PERMANENT PAVEMENT MARKINGS. PAVEMENT MARKING DIMENSIONS ARE TO THE CENTER OF THE STRIPE FOR SINGLE-LINE STRIPING AND TO THE CENTER OF THE GAP BETWEEN THE TWO LINES FOR DOUBLE-LINE STRIPING. WHERE CURB AND GUTTER ARE PRESENT, DIMENSIONS ARE TO THE FACE OF CURB, OR TO THE EDGE OF PAVEMENT ABSENT CURB AND GUTTER. THE CONTRACTOR SHALL SCHEDULE INSPECTION OF THE PAVEMENT MARKING LAYOUT AT LEAST THREE (3) BUSINESS DAYS PRIOR TO THE INSTALLATION OF THE PERMANENT PAVEMENT MARKING. INSPECTION SHALL TAKE PLACE DURING DAYTIME AND ON A BUSINESS DAY PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS. ANY PERMANENT PAVEMENT MARKINGS APPLIED PRIOR TO FIELD INSPECTION BY THE TRAFFIC ENGINEERING SECTION SHALL BE REMOVED AND RE-STRIPED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, NOTES, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS, AND MARKERS. THE CHANNELIZATION PLANS MAY BE MODIFIED AS DIRECTED BY THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL REFER ANY QUESTIONS CONCERNING PAVEMENT MARKINGS TO THE TRAFFIC ENGINEERING SECTION VIA THE CITY'S CONSTRUCTION INSPECTOR FOR THE PROJECT.
6. GENERALLY, RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED IN CONJUNCTION WITH STRIPING EFFORTS AND IN ACCORDANCE WITH CITY OF TACOMA STANDARD PLANS. EXCEPTIONS ARE POSSIBLE; COORDINATE WITH THE CITY'S TRAFFIC ENGINEERING SECTION. ALL MARKERS SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF APPROACHING TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
7. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND STRIPING IN CONFLICT WITH OR CONTRARY TO THE FINAL STRIPING PLAN BY HYDRO-BLASTING OR OTHER APPROVED NONINVASIVE METHOD. ALL REMOVAL METHODS SHALL BE DONE IN CONFORMANCE WITH WSDOT/APWA STANDARD SPECIFICATIONS. IF THE REMOVAL DAMAGES THE UNDERLYING PAVEMENT AS DESCRIBED IN THE WSDOT/APWA STANDARD SPECIFICATIONS, THEN THE PAVEMENT SHALL BE RESTORED TO A STATE EQUALING OR EXCEEDING ITS PREVIOUS STATE. IF THE OBLITERATION CAUSES SHADOWING (OR "GHOST" MARKINGS), OR IN THE OPINION OF THE CITY TRAFFIC ENGINEER WILL CAUSE CONFUSION TO DRIVERS, THE CONTRACTOR SHALL REMEDY THROUGH AN APPROVED MEANS AND METHOD. APPLYING ADDITIONAL MARKINGS TO OBSCURE ERRONEOUS MARKINGS IS NOT AN APPROVED METHOD FOR OBLITERATION. STRIPING OBLITERATION MAY NEED TO EXCEED THE CITY OF TACOMA, RIGHT-OF-WAY DESIGN MANUAL ISSUED: JANUARY 7, 2014, CHAPTER 7-14 PERMITS VERSION JULY 2014, PROJECT LINE 10, SO THAT THE NEW STRIPING WILL MATCH PERMANENT EXISTING PAVEMENT MARKINGS.
8. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE CITY BY POWER BROOM, STREET SWEEPING, AIR JET BLOWING, AND/OR WATER BLASTING PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS UNLESS DIRECTED OTHERWISE. THE ROAD PAVEMENT SURFACE CONDITIONS, INCLUDING ANY PAVEMENT CURING TIMES, SHALL BE IN ACCORDANCE WITH THE WSDOT/APWA STANDARD SPECIFICATIONS PRIOR TO THE APPLICATION OF PERMANENT PAVEMENT MARKINGS.
9. PERMANENT PAVEMENT MARKINGS SHOULD BE FULLY IMPLEMENTED BEFORE ALLOWING PUBLIC USE OF THE ROADWAY. TEMPORARY PAVEMENT MARKINGS CONTROLLING TRAFFIC AS INTENDED BY THE PERMANENT CHANNELIZATION PLANS MAY BE PERMISSIBLE IN THE CASE WHERE PAVEMENT CONDITIONS/MATERIALS PRECLUDE IMPLEMENTATION OF THE PERMANENT PAVEMENT MARKINGS UNTIL A LATER TIME. TEMPORARY MARKINGS SHALL NOT BE USED ANY LONGER THAN NECESSARY AND NO LONGER THAN ONE (1) MONTH UNLESS OTHERWISE APPROVED OR MITIGATED, WHICH MAY INCLUDE A RE-APPLICATION OF THE TEMPORARY MARKINGS.

GENERAL SIGNING NOTES

1. THE CITY OF TACOMA TRAFFIC ENGINEERING SECTION SHALL BE NOTIFIED AT LEAST THREE (3) BUSINESS DAYS PRIOR TO STARTING ANY SIGNING WORK.
2. TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE MOST RECENT EDITION OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK, THE MUTCD, AND/OR AS DIRECTED BY THE CITY OF TACOMA.
3. ALL SIGNS SHALL CONFORM TO THE MUTCD WITH RESPECT TO COLORS, SHAPE, SIZE, CONTENT, RETROREFLECTIVITY, AND PLACEMENT RELATIVE TO THE ROADWAY. ALL SIGN PANELS SHALL BE 0.080-INCH THICK ALUMINUM (NON-RECYCLED) WITH PRISMATIC SHEETING (TYPE IV OR BETTER, OR AS SPECIFIED). SIGN POSTS SHALL BE 2-INCH SQUARE PERFORATED GALVANIZED STEEL TUBING PER CITY STANDARD PLANS, UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL SUBMIT ALL SIGN FORMATS/LAYOUTS (WITH DIMENSIONS) TO THE CITY'S TRAFFIC ENGINEERING SECTION FOR APPROVAL PRIOR TO FABRICATION.
5. ANY TRAFFIC SIGNS, INCLUDING STREET NAME SIGNS, WHICH ARE IN CLOSE PROXIMITY TO AN EXISTING OR PROPOSED STREET LIGHT POLE (CONFER WITH TRAFFIC ENGINEERING IN ADVANCE FOR APPROVAL), SHALL BE PROPERLY MOUNTED TO THE POLE INSTEAD OF INSTALLING A NEW SIGN POST. ANY ADDED EXPENSE RELATING TO A NEED FOR DIFFERENT MOUNTING HARDWARE AND/OR EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY. PRIOR TO INSTALLATION, SIGN LOCATIONS AND OFFSETS MAY BE ADJUSTED BY THE CITY TO IMPROVE VISIBILITY OR SAFETY.
6. ANY EXISTING SIGNS THAT NEED TO BE REMOVED AS A RESULT OF CONSTRUCTION, OR DUE TO CONFLICT WITH INSTALLED SIGNS, SHALL BE DONE SO BY THE CONTRACTOR AT THEIR EXPENSE. THESE SIGNS SHALL BE REMOVED, PROTECTED, AND STORED FOR POSSIBLE REINSTALLATION BY THE CONTRACTOR OR FOR SALVAGING AND RETURNING TO THE CITY. SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL ENSURE THAT AT NO TIME A TRAFFIC SIGN IS INSTALLED IN SUCH A WAY AS TO BE BLOCKED BY TREES OR VEGETATION, EITHER EXISTING OR PENDING. ALL SIGN LOCATIONS SHALL NOT INTERFERE WITH PEDESTRIAN MOVEMENT AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT (ADA) AND/OR PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). IN BOTH OF THESE CASES, THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING SECTION TO PROVIDE AN ALTERNATE LOCATION FOR THE INSTALLATION OF THE SIGN(S) IN QUESTION.
8. TEMPORARY SIGNS INSTALLED FOR CONSTRUCTION PURPOSES SHALL BE TO BE MOUNTED IN THE LEAST INTRUSIVE LOCATIONS AND MANNER AS POSSIBLE TO MINIMIZE DAMAGE TO SIDEWALKS OR BLOCKING OF OTHER SIGNS/TRAFFIC CONTROL DEVICES. USE OF EXISTING SIGN POSTS AND STREET LIGHT POLES IS PREFERRED. ANY DAMAGE TO CITY INFRASTRUCTURE CAUSED BY TEMPORARY SIGN INSTALLATIONS SHALL BE RESTORED UPON REMOVAL OF THE TEMPORARY SIGN/POST.



SHARED LANE SIGN

NTS

CALL BEFORE YOU DIG

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NC

REVISION

DATE _____

APPD

FINAL
CONSTRUCT
CHECKED

BY

DAT

FIELD BOOKS

DATE _____

SEPT 2023

DESIGNED

BAC

DRAWN

DRAWING NAME
PKG32-CH.DWG

SCALE

 $1'' = 20$

CHECKED

BAC

PROJECT NAME
.....

CH.DWG



— DocuSigned by:

Jack Mehner

F124185F694A8... JAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

CHANNELIZATION / SIGNAGE PLAN

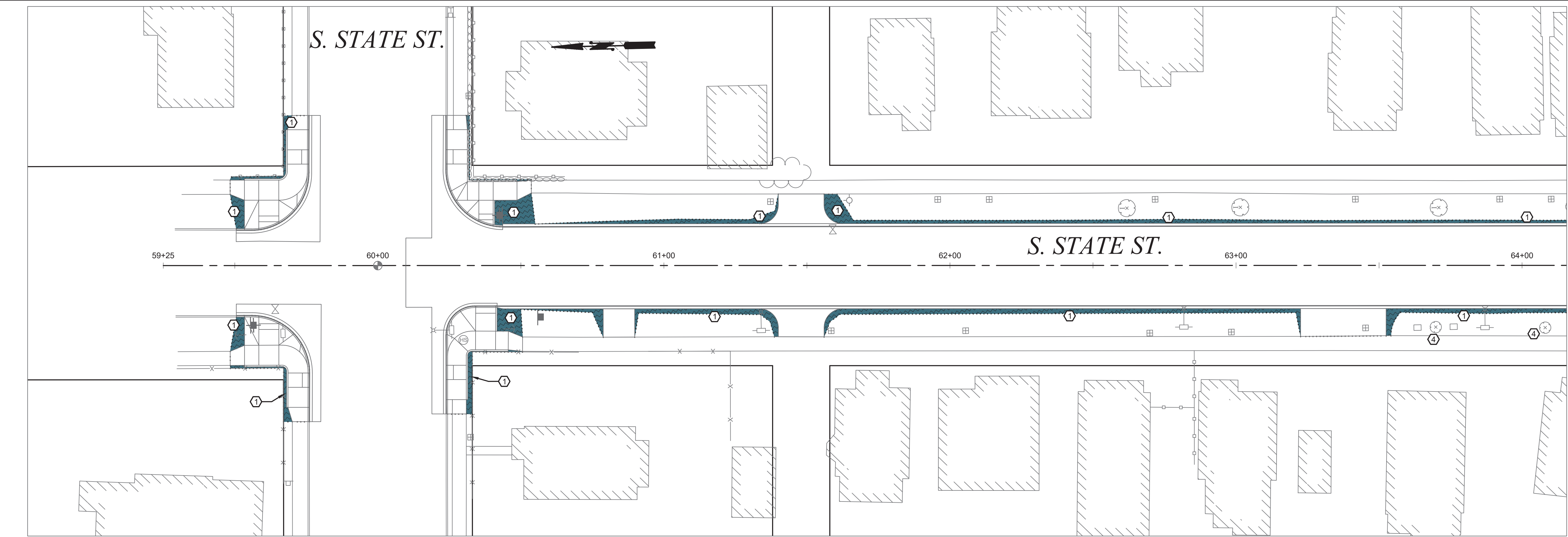
STREET INITIATIVE PKG 32

GENERAL NOTES

PWK-00434-32

HEET NO. 38

HEET CH-5 OF CH-5



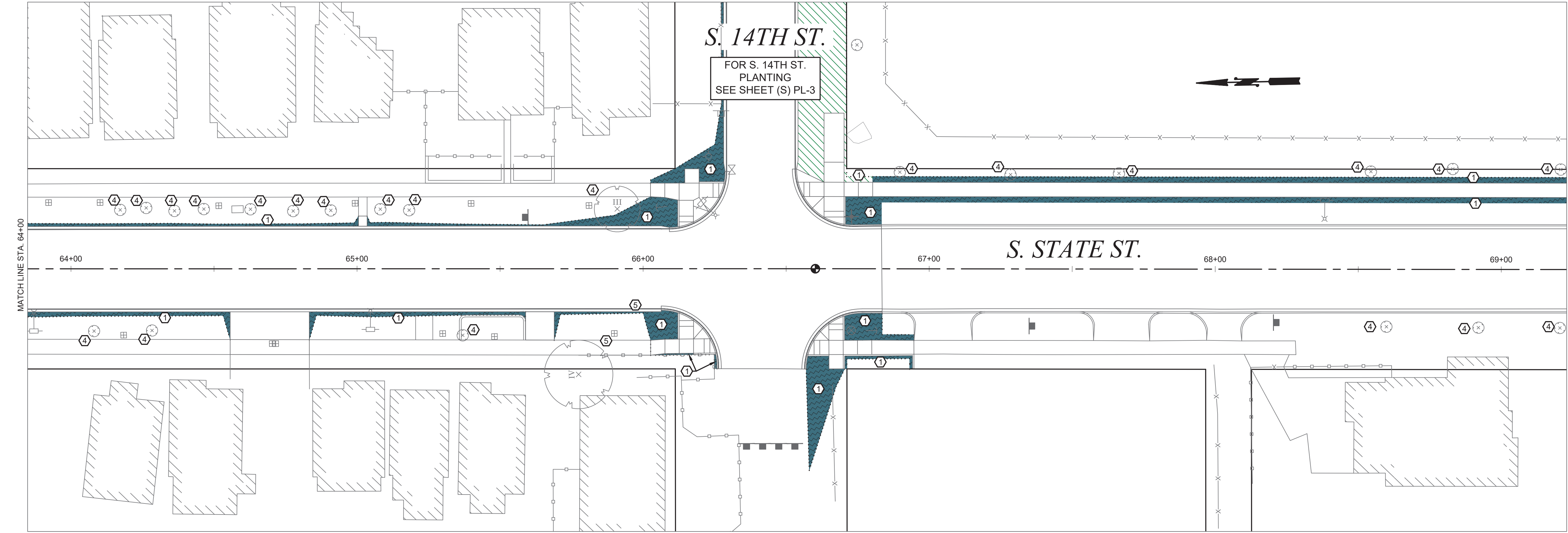
- PLANTING KEY NOTES:**
- 1) SOIL AMENDMENT SHALL BE PER CITY OF TACOMA STANDARD PLAN GSI-01B & GSI-01C
 - 2) RESTORE TO MATCH EXISTING CONDITIONS
 - 3) PLANT TREE, SEE TABLE FOR SPECIES, PER CITY OF TACOMA STANDARD PLAN LS-01
 - 4) PROTECT TREE PER SPECIFICATION 8-02 AND CITY OF TACOMA STANDARD PLANS LS-08 THROUGH LS-11
 - 5) PRUNE TREE, SHRUB, OR HEDGE UNDER THE DIRECTION OF A CERTIFIED ARBORIST

- NOTES:**
- 1. REFER TO CITY OF TACOMA STANDARD PLANS LS-01 - LS-03 AND CITY OF TACOMA URBAN FORESTRY MANUAL FOR TREE PLANTING REQUIREMENTS.
 - 2. REFER TO CITY OF TACOMA STANDARD PLANS LS-08 - LS-11, CITY OF TACOMA URBAN FORESTRY MANUAL, AND ARBORIST REPORTS FOR TREE PROTECTION DURING CONSTRUCTION.
 - 3. AN ARBORIST REPORT IS REQUIRED FOR ALL WORK PERFORMED ON A TREE AS SPECIFIED IN THE SPECIFICATIONS.

- GENERAL NOTES:**
- 1) CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS.
 - 2) PROVIDE INLET PROTECTION TO EXISTING OR PROPOSED CATCH BASINS UNTIL REMOVED OR END OF CONST. ACTIVITIES.
 - 3) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - 4) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

LEGEND

	SOIL AMENDMENT PER CITY OF TACOMA STANDARD PLAN GSI-01B & GSI-01C
	RESTORE TO MATCH EXISTING CONDITIONS

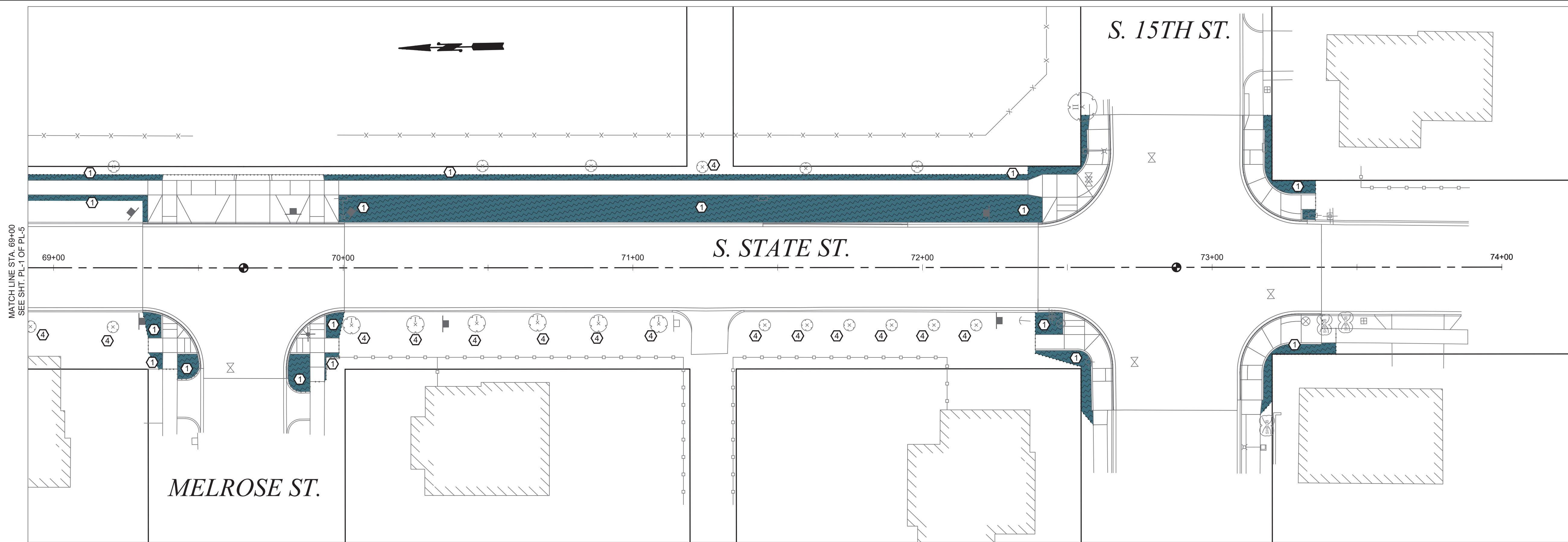


HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org			NO	REVISION	DATE	APPD	FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'		CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		PLANTING PLAN STREET INITIATIVE PKG 32 S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.	PWK-00434-32
						BY DESIGNED BDK	CHECKED DCS	DRAWN REE	PROJECT NAME PROP3 PKG32					
						FIELD BOOKS	DRAWING NAME PKG32-PL.DWG	DocuSigned by: 						
								57F124185F684A8						



PLANTING KEY NOTES:

- 1) SOIL AMENDMENT SHALL BE PER CITY OF TACOMA STANDARD PLAN GS1-01B & GS1-01C
- 2) RESTORE TO MATCH EXISTING CONDITIONS
- 3) PLANT TREE, SEE TABLE FOR SPECIES, PER CITY OF TACOMA STANDARD PLAN LS-01
- 4) PROTECT TREE PER SPECIFICATION 8-02 AND CITY OF TACOMA STANDARD PLANS LS-08 THROUGH LS-11
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- 3) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
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LEGEND

- SOIL AMENDMENT PER CITY OF TACOMA STANDARD PLAN GS1-01B & GS1-01C
- RESTORE TO MATCH EXISTING CONDITIONS



CITY OF
TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61



CALL BEFORE YOU DIG

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CALL TWO BUSINESS DAYS BEFORE YOU DIG
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NO

REVISION

DATE

APPD

FINAL
CONSTRUCTION
CHECKED

BY

DATE

FIELD BOOKS

DATE

DESIGNED

BDK

DRAWN

REE

SCALE

1" = 20'

CHECKED

DCS

PROJECT NAME

PROP3 PKG32

DRAWING NAME

PKG32-PL.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:

Jack Meluser

57F124185F684A8...JAGER

PLANTING PLAN
STREET INITIATIVE PKG 32
S. STATE ST. FROM S. 12TH ST. TO S. 15TH ST.

PWK-00434-32

SHEET NO.

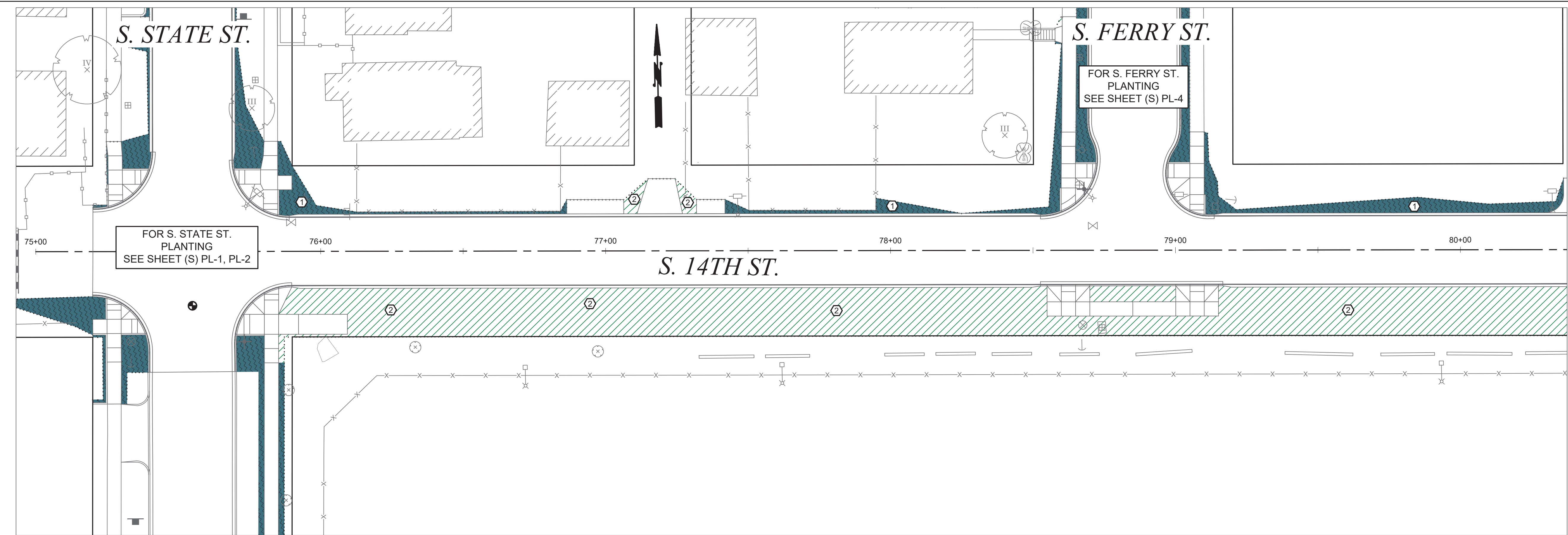
40

SHEET

PL-2

OF

PL-5

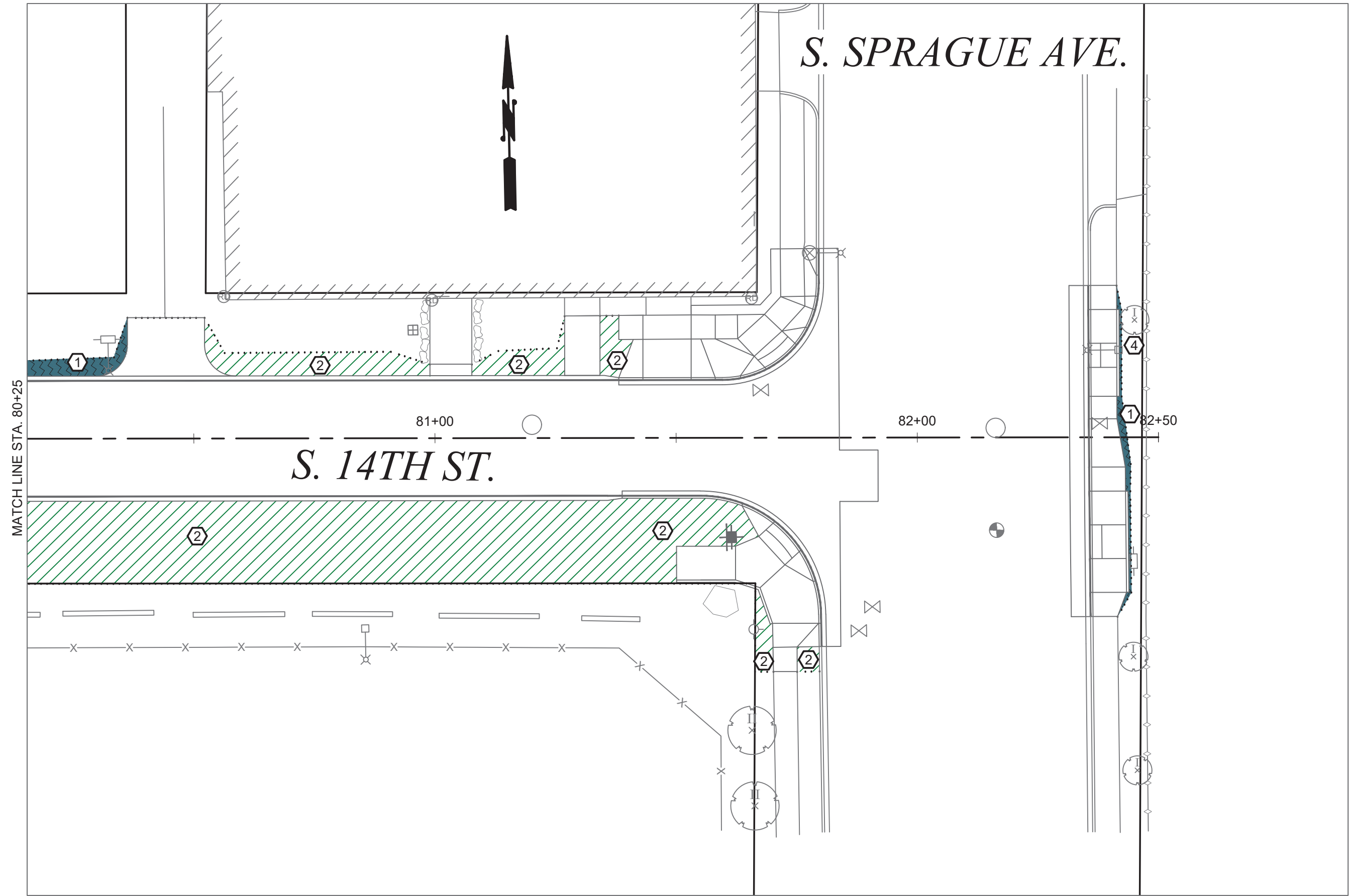


- PLANTING KEY NOTES:**
- ① SOIL AMENDMENT SHALL BE PER CITY OF TACOMA STANDARD PLAN GSI-01B & GSI-01C
 - ② RESTORE TO MATCH EXISTING CONDITIONS
 - ③ PLANT TREE, SEE TABLE FOR SPECIES, PER CITY OF TACOMA STANDARD PLAN LS-01
 - ④ PROTECT TREE PER SPECIFICATION 8-02 AND CITY OF TACOMA STANDARD PLANS LS-08 THROUGH LS-11
 - ⑤ PRUNE TREE, SHRUB, OR HEDGE UNDER THE DIRECTION OF A CERTIFIED ARBORIST

- NOTES:**
- 1. REFER TO CITY OF TACOMA STANDARD PLANS LS-01 - LS-03 AND CITY OF TACOMA URBAN FORESTRY MANUAL FOR TREE PLANTING REQUIREMENTS.
 - 2. REFER TO CITY OF TACOMA STANDARD PLANS LS-08 - LS-11, CITY OF TACOMA URBAN FORESTRY MANUAL, AND ARBORIST REPORTS FOR TREE PROTECTION DURING CONSTRUCTION.
 - 3. AN ARBORIST REPORT IS REQUIRED FOR ALL WORK PERFORMED ON A TREE AS SPECIFIED IN THE SPECIFICATIONS.

- GENERAL NOTES:**
- 1) CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS.
 - 2) PROVIDE INLET PROTECTION TO EXISTING OR PROPOSED CATCH BASINS UNTIL REMOVED OR END OF CONST. ACTIVITIES.
 - 3) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - 4) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

- LEGEND**
- SOIL AMENDMENT PER CITY OF TACOMA STANDARD PLAN GSI-01B & GSI-01C
 - RESTORE TO MATCH EXISTING CONDITIONS



CITY OF TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

SCALE IN FEET

CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLES AND AVOIDING ALL EXISTING UTILITIES.

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NO

REVISION	DATE	APPD
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FINAL CONSTRUCTION CHECKED	DATE	SCALE
BY	SEPT 2023	1" = 20'
DATE	DESIGNED BDK	CHECKED DCS
FIELD BOOKS	DRAWN REE	PROJECT NAME PROP3 PKG32
	DRAWING NAME	PKG32-PL.DWG

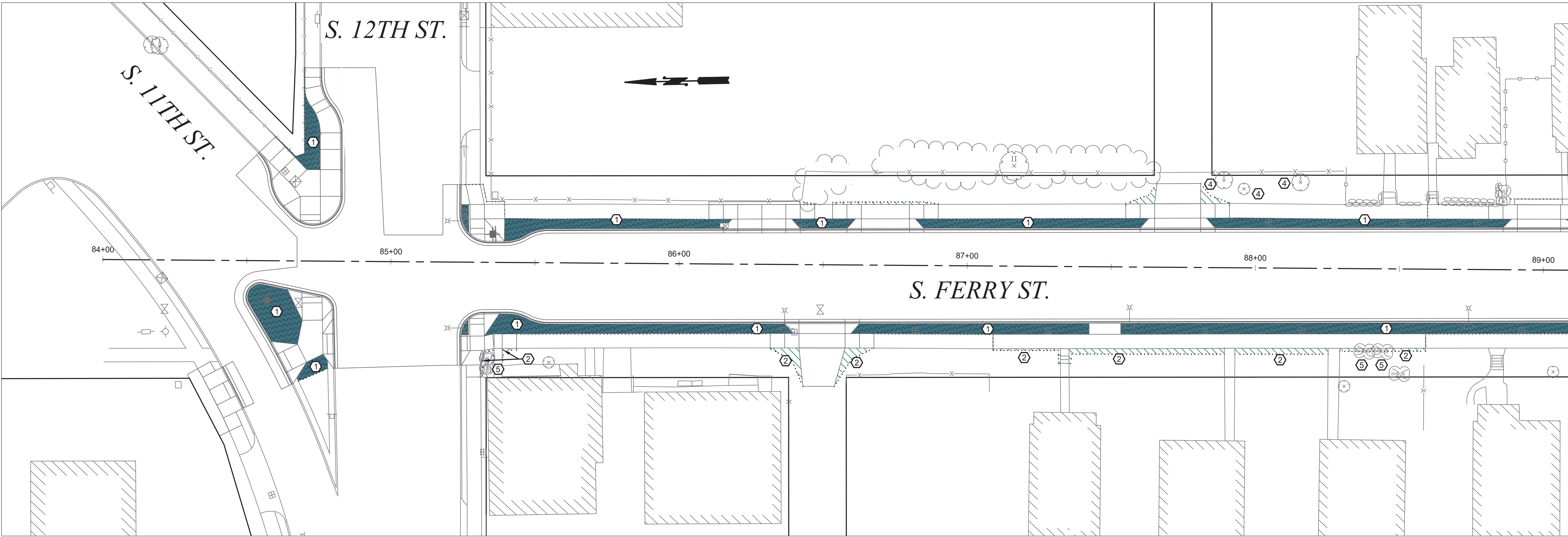
10/20/2023

CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	
DocuSigned by: 57F124185F684A8	PLANTING PLAN STREET INITIATIVE PGK 32 S. 14TH ST. FROM S. STATE ST. TO S. SPRAGUE AVE.

PWK-00434-32

SHEET NO. 41

SHEET PL-3 OF PL-5



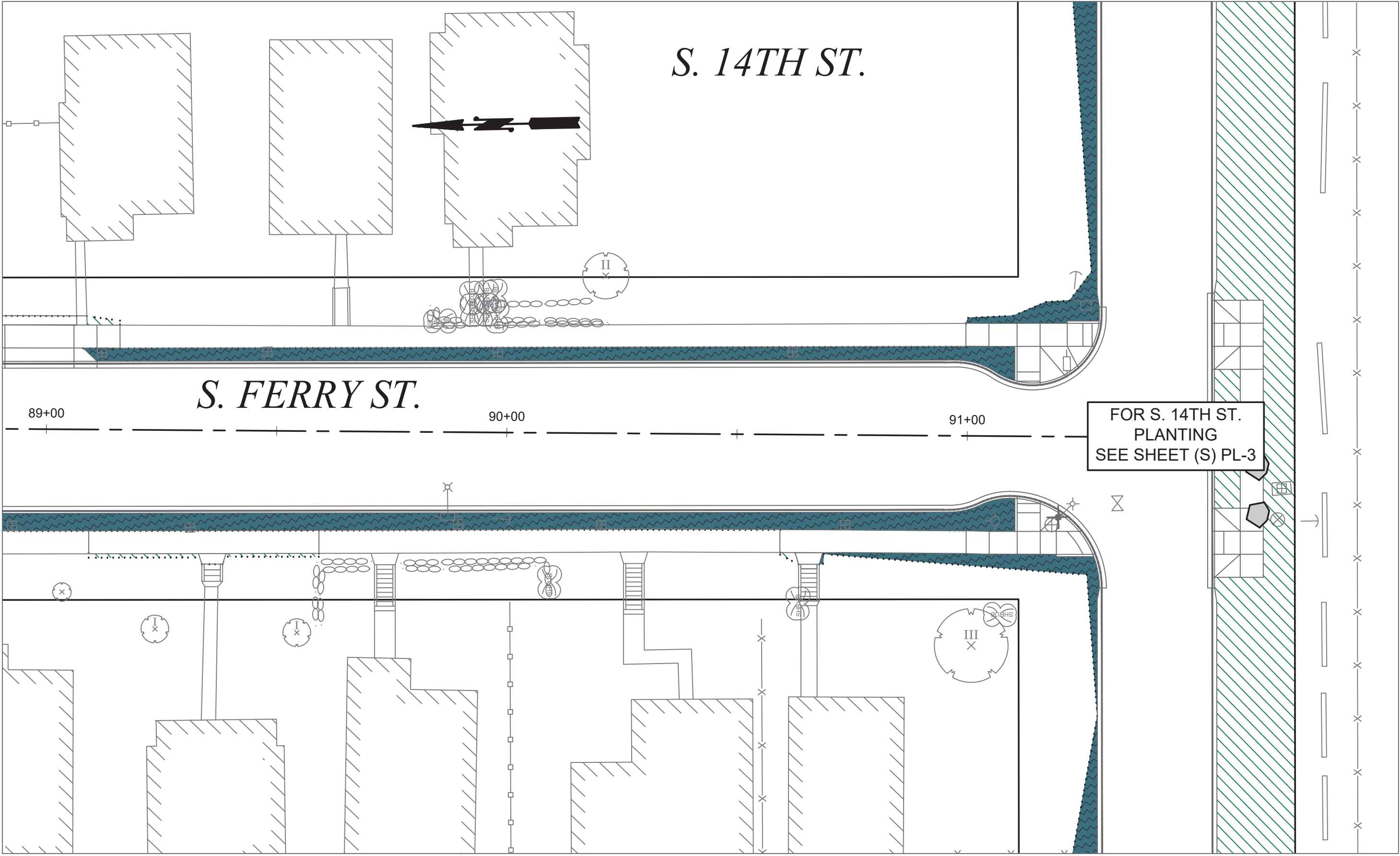
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 - ② RESTORE TO MATCH EXISTING CONDITIONS
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LEGEND

	SOIL AMENDMENT PER CITY OF TACOMA STANDARD PLAN GSI-01B & GSI-01C
	RESTORE TO MATCH EXISTING CONDITIONS



CITY OF TACOMA

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. FIFE ST.
AND S. 12TH ST.
ELEVATION = 382.61

20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG
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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 20'
BY DESIGNED BDK	CHECKED DCS	
DATE DRAWN REE	PROJECT NAME PROP3 PKG32	
FIELD BOOKS	DRAWING NAME PKG32-PL-DWG	



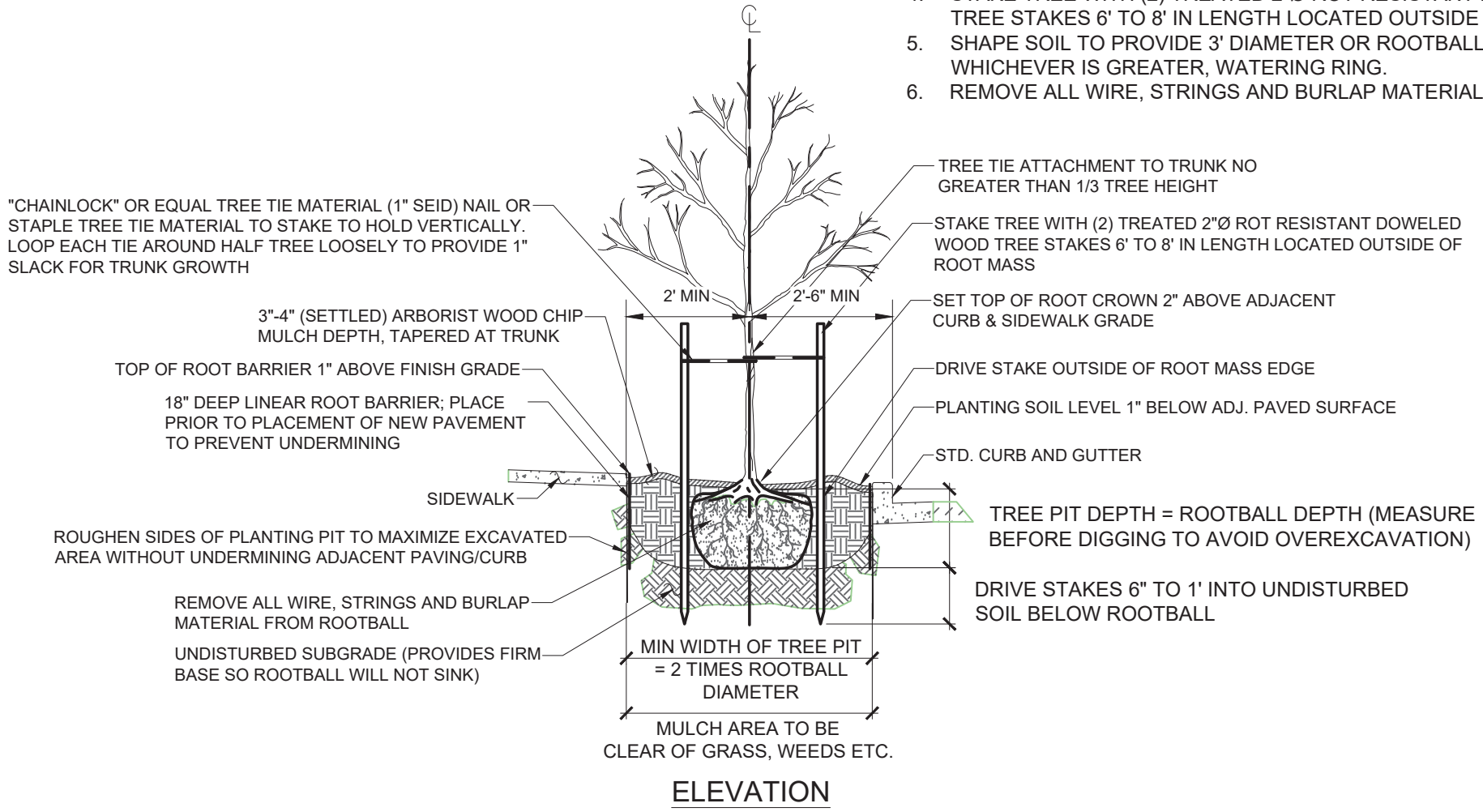
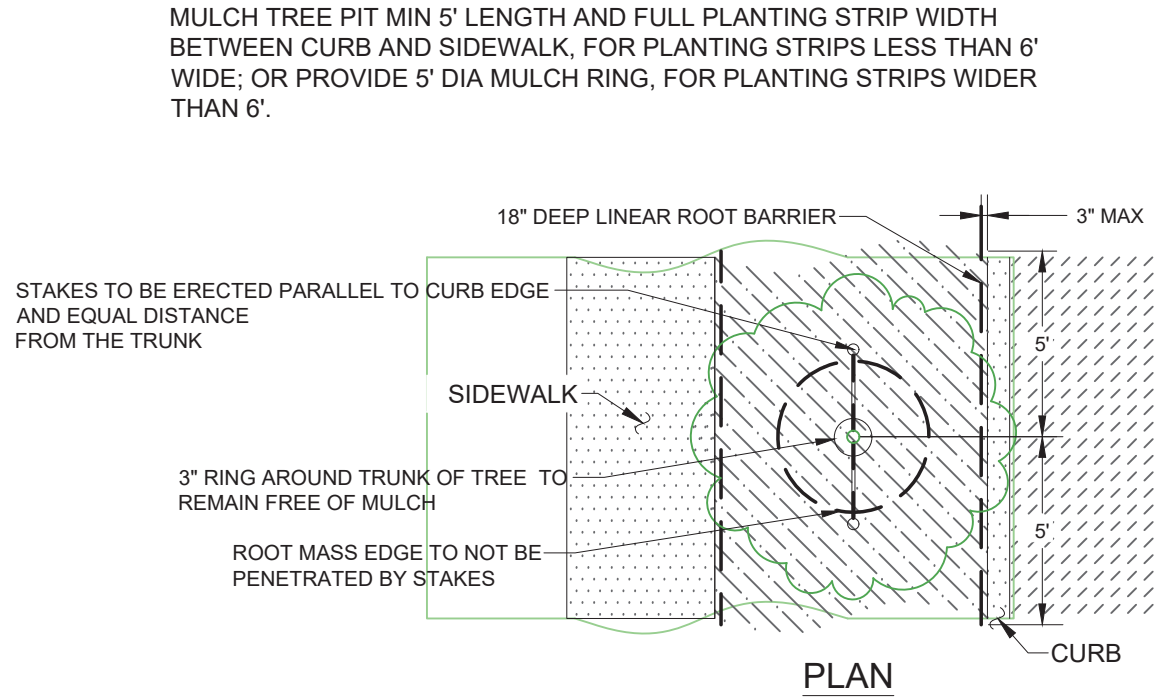
CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		
PLANTING PLAN STREET INITIATIVE PKG 32 S. FERRY ST. FROM S.12TH ST. TO S. 14TH ST.		PWK-00434-32
DocuSigned by: 57F124185FB84A8 JAGER		SHEET NO. 42 SHEET PL-4 OF PL-5

NOTES:

1. PLANTING INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION.
2. SHAPE SOIL SURFACE TO PROVIDE 4' DIA WATERING RING.
3. TREE CLEARANCE SHALL BE PER STD PLAN LS-02.
4. SEE STD PLAN LS-03 FOR TREE WELL DIMENSION DETAIL.
5. ROOT BARRIERS SHALL BE AN INJECTION MOLDED OR EXTRUDED MODULAR COMPONENT MADE OF HIGH DENSITY POLYPROPYLENE OR POLYETHYLENE PLASTIC. 18" DEPTH X 10' LENGTH ROOT BARRIER IS REQUIRED ALONG EDGE OF ROADWAYS, CURBS, DRIVEWAYS, TRAILS, SIDEWALKS, OR OTHER STRUCTURES WHERE ROOT BALL IS WITHIN 4 FEET. INSTALL ROOT BARRIER FOR NEWLY PLANTED TREES ONLY.

NOTES:

1. STAKE TREES PER STD PLAN NO. LS-01.
2. SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVES EMBANKMENT STABILIZATION SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS -ROCK FACING -TIMBER WALL -PRECAST CONCRETE WALL UNITS -MANUFACTURED SLOPE RETENTION UNITS
3. "CHAINLOCK" OR EQUAL TREE TIE MATERIAL (1" SEID) NAIL OR STAPLE TREE TIE MATERIAL TO STAKE TO HOLD VERTICALLY. LOOP EACH TIE AROUND HALF TREE LOOSELY TO PROVIDE 1" SLACK FOR TRUNK GROWTH.
4. STAKE TREE WITH (2) TREATED 2"Ø ROT RESISTANT DOWELED WOOD TREE STAKES 6' TO 8' IN LENGTH LOCATED OUTSIDE OF ROOT MASS.
5. SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
6. REMOVE ALL WIRE, STRINGS AND BURLAP MATERIAL FROM ROOTBALL.



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NO

REVISION

DATE

APPD

FINAL
CONSTRUCTION
CHECKED

BY

DATE

FIELD BOOKS

DATE

SEPT 2023

DESIGNED

BDK

DRAWN

REE

SCALE

1" = 20'

CHECKED

DCS

PROJECT NAME

PROP3 PKG32

DRAWING NAME

PKG32-PL.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:

Jack McInerney

57F124185F684A8

PLANTING PLAN
STREET INITIATIVE PKG 32
VARIOUS LOCATIONS

PWK-00434-32

SHEET NO.

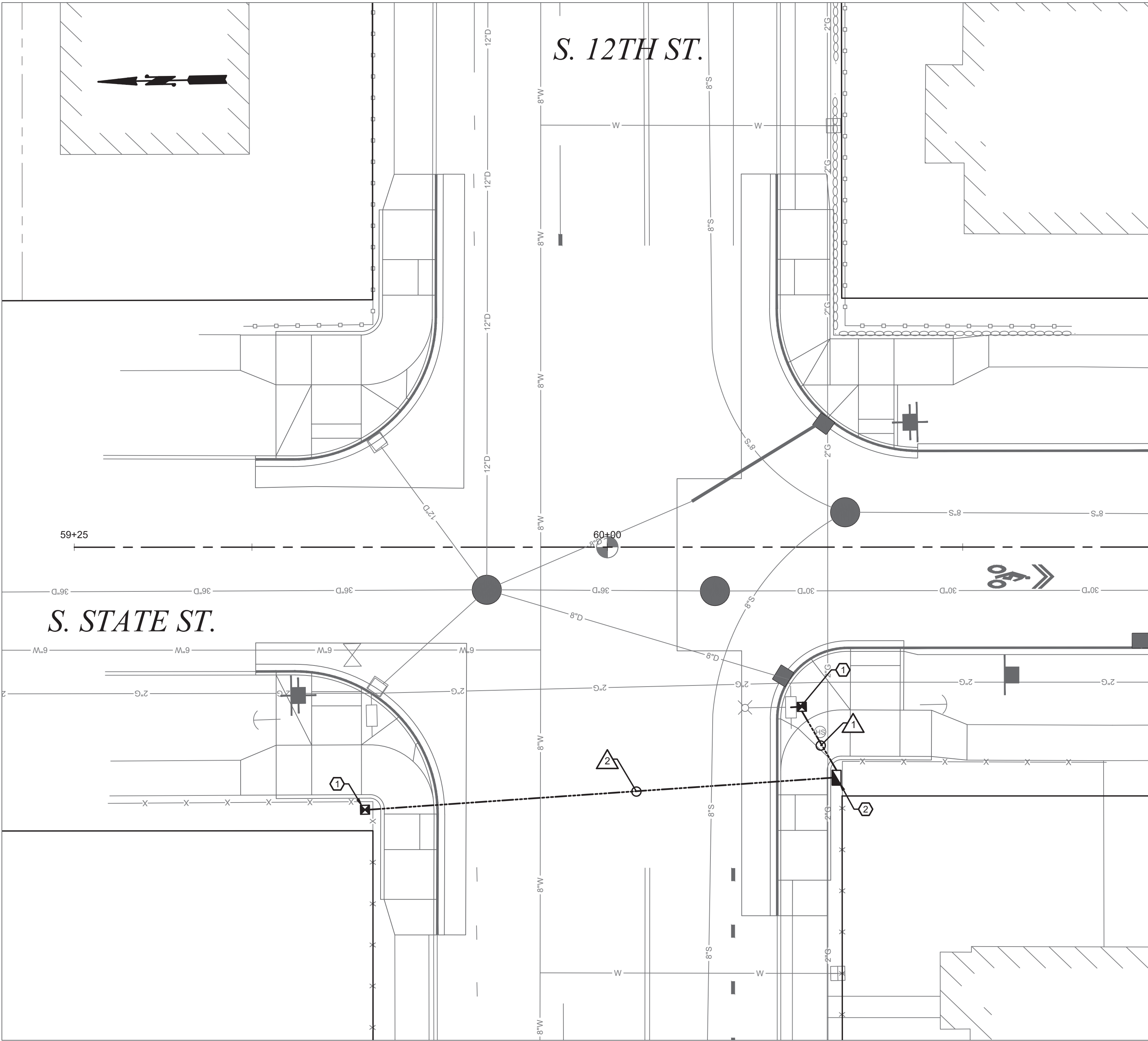
43

SHEET

PL-5

OF

PL-5



GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF TACOMA STANDARDS, WSDOT STANDARD PLANS, STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO APWA STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS.
- 2. UTILITY LOCATIONS (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- 3. THE LOCATION OF ALL FEATURES TO BE INSTALLED BY CONTRACTOR SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
- 4. CONDUIT LOCATION IS APPROXIMATE AND IS SHOWN FOR REFERENCE ONLY.
- 5. ALL JUNCTION BOXES TO BE LOCATED OUTSIDE OF THE PEDESTRIAN ACCESS ROUTE.

CONSTRUCTION NOTES

- ① A.FURNISH AND INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04 AND CITY OF TACOMA TS-08 WITH LABEL "TS".
- ② A.FURNISH AND INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04 AND CITY OF TACOMA STANDARD PLAN TS-08 WITH LABEL "TS".

WIRING SCHEDULE

RUN #	CONDUIT DIA, INCHES	GROUND #8
1	2"	1
2	2"	1
	2" SPARE	

LEGEND

DESCRIPTION	EXIST.	PROP.
CONSTRUCTION NOTE		#
SIGNAL POLE CONSTRUCTION NOTE		P
WIRE NOTE		#
SIGNAGE NOTE		A
TRAFFIC SIGNAL CONDUIT UG	TS	
TYPE IV STRAIN POLE	⊗	
TYPE V STRAIN POLE WITH STREET LIGHT	⊗→	
TYPE 1 JUNCTION BOX	⊠	⊠
TYPE 2 JUNCTION BOX	▢	▢
STREET LIGHT, ON FOUNDATION	□→	
STREET LIGHT, ON METAL POLE	□→	
UTILITY POLE WITH LIGHT	⊥→	
UTILITY POLE/ POWER POLE	⊥	
GUY, ANCHOR	←	



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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE SEPT 2023	SCALE 1" = 10'
BY	DESIGNED BAC	CHECKED BAC
DATE	DRAWN REE	PROJECT NAME PROP3 PKG32
FIELD BOOKS	DRAWING NAME PKG32-SG.DWG	

DocuSigned by:
Jack Meluser
57F124185FB84A8

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

SIGNAL PLAN
STREET INITIATIVE PKG 32
INTERSECTION OF S. STATE ST. & S. 12TH ST.

PWK-00434-32

SHEET NO. 44
SHEET SG-1 OF SG-3

S. 15TH ST.

S. STATE ST.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF TACOMA STANDARDS, WSDOT STANDARD PLANS, STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO APWA STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS.
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5. ALL JUNCTION BOXES TO BE LOCATED OUTSIDE OF THE PEDESTRIAN ACCESS ROUTE.

CONSTRUCTION NOTES

- ① A.FURNISH AND INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04 AND CITY OF TACOMA TS-08 WITH LABEL "TS".
- ② A.REPLACE TYPE 1 JUNCTION BOX WITH TYPE 2 JUNCTION BOX.
- ③ A.FURNISH AND INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04 AND CITY OF TACOMA STANDARD PLAN TS-08 WITH LABEL "TS".

WIRING SCHEDULE

RUN # #	CONDUIT DIA, INCHES	GROUND #8
1	2"	1
2	2"	1
3	2"	1
	2" SPARE	1

LEGEND

DESCRIPTION	EXIST.	PROP.
CONSTRUCTION NOTE		#
SIGNAL POLE CONSTRUCTION NOTE		Ⓟ
WIRE NOTE		#
SIGNAGE NOTE		A
TRAFFIC SIGNAL CONDUIT UG	— TS —	-----
TYPE IV STRAIN POLE	⊗	
TYPE V STRAIN POLE WITH STREET LIGHT	⊗ ⊗	
TYPE 1 JUNCTION BOX	⊠	⊠
TYPE 2 JUNCTION BOX	▢	▢
STREET LIGHT, ON FOUNDATION	⊠ ⊗	
STREET LIGHT, ON METAL POLE	⊠ ⊗	
UTILITY POLE WITH LIGHT	⊠ ⊗	
UTILITY POLE/ POWER POLE	⊠	
GUY, ANCHOR	←	

WIRING SCHEDULE

RUN # #	CONDUIT DIA, INCHES	GROUND #8
1	2"	1
2	2"	1
3	2"	1
	2" SPARE	1



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NO REVISION

DATE

APPD

FINAL
CONSTRUCTION
CHECKED

BY

DATE

FIELD BOOKS

DATE

DESIGNED

BAC

DRAWN

REE

DRAWING NAME

PKG32-SG.DWG

SCALE

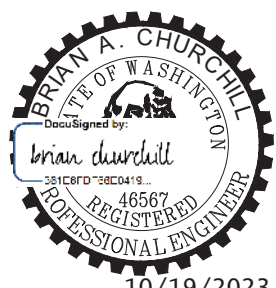
1" = 10'

CHECKED

BAC

PROJECT NAME

PROP3 PKG32



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

SIGNAL PLAN
STREET INITIATIVE PKG 32
INTERSECTION OF S. STATE ST. & S. 15TH ST.

PWK-00434-32

SHEET NO.

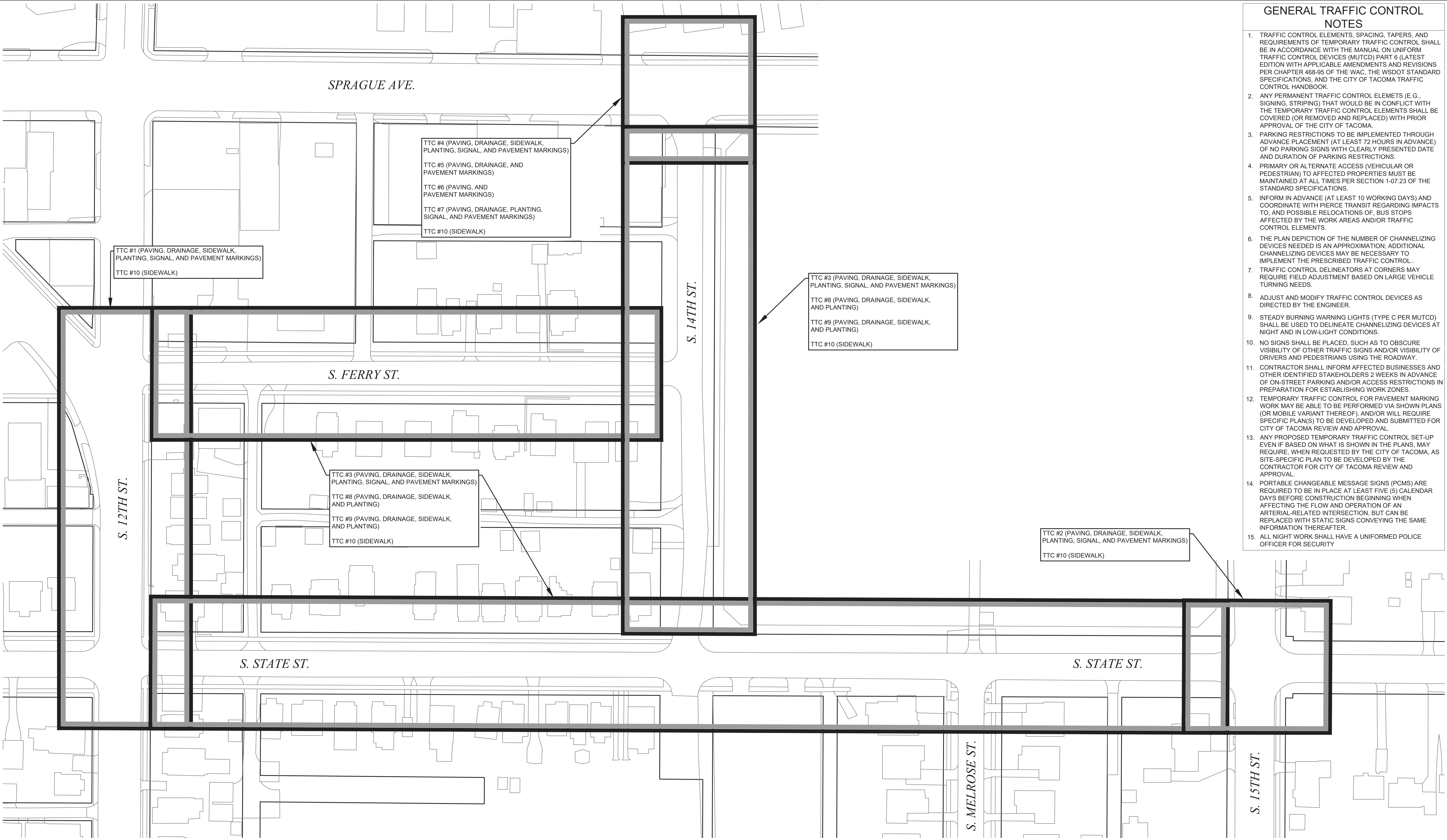
45

SHEET

SG-2

OF

SG-2



- GENERAL TRAFFIC CONTROL NOTES
1.

TRAFFIC CONTROL ELEMENTS, SPACING, TAPERS, AND REQUIREMENTS OF TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PART 6 (LATEST EDITION WITH APPLICABLE AMENDMENTS AND REVISIONS PER CHAPTER 468-95 OF THE WAC, THE WSDOT STANDARD SPECIFICATIONS, AND THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK.
2.

ANY PERMANENT TRAFFIC CONTROL ELEMETS (E.G., SIGNING, STRIPING) THAT WOULD BE IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL ELEMENTS SHALL BE COVERED (OR REMOVED AND REPLACED) WITH PRIOR APPROVAL OF THE CITY OF TACOMA.
3.

PARKING RESTRICTIONS TO BE IMPLEMENTED THROUGH ADVANCE PLACEMENT (AT LEAST 72 HOURS IN ADVANCE) OF NO PARKING SIGNS WITH CLEARLY PRESENTED DATE AND DURATION OF PARKING RESTRICTIONS.
4.

PRIMARY OR ALTERNATE ACCESS (VEHICULAR OR PEDESTRIAN) TO AFFECTED PROPERTIES MUST BE MAINTAINED AT ALL TIMES PER SECTION 1-07.23 OF THE STANDARD SPECIFICATIONS.
5.

INFORM IN ADVANCE (AT LEAST 10 WORKING DAYS) AND COORDINATE WITH PIERCE TRANSIT REGARDING IMPACTS TO, AND POSSIBLE RELOCATIONS OF, BUS STOPS AFFECTED BY THE WORK AREAS AND/OR TRAFFIC CONTROL ELEMENTS.
6.

THE PLAN DEPICTION OF THE NUMBER OF CHANNELIZING DEVICES NEEDED IS AN APPROXIMATION; ADDITIONAL CHANNELIZING DEVICES MAY BE NECESSARY TO IMPLEMENT THE PRESCRIBED TRAFFIC CONTROL..
7.

TRAFFIC CONTROL DELINEATORS AT CORNERS MAY REQUIRE FIELD ADJUSTMENT BASED ON LARGE VEHICLE TURNING NEEDS.
8.

ADJUST AND MODIFY TRAFFIC CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
9.

STEADY BURNING WARNING LIGHTS (TYPE C PER MUTCD) SHALL BE USED TO DELINEATE CHANNELIZING DEVICES AT NIGHT AND IN LOW-LIGHT CONDITIONS.
10.

NO SIGNS SHALL BE PLACED, SUCH AS TO OBSCURE VISIBILITY OF OTHER TRAFFIC SIGNS AND/OR VISIBILITY OF DRIVERS AND PEDESTRIANS USING THE ROADWAY.
11.

CONTRACTOR SHALL INFORM AFFECTED BUSINESSES AND OTHER IDENTIFIED STAKEHOLDERS 2 WEEKS IN ADVANCE OF ON-STREET PARKING AND/OR ACCESS RESTRICTIONS IN PREPARATION FOR ESTABLISHING WORK ZONES.
12.

TEMPORARY TRAFFIC CONTROL FOR PAVEMENT MARKING WORK MAY BE ABLE TO BE PERFORMED VIA SHOWN PLANS (OR MOBILE VARIANT THEREOF), AND/OR WILL REQUIRE SPECIFIC PLAN(S) TO BE DEVELOPED AND SUBMITTED FOR CITY OF TACOMA REVIEW AND APPROVAL.
13.

ANY PROPOSED TEMPORARY TRAFFIC CONTROL SET-UP EVEN IF BASED ON WHAT IS SHOWN IN THE PLANS, MAY REQUIRE, WHEN REQUESTED BY THE CITY OF TACOMA, AS SITE-SPECIFIC PLAN TO BE DEVELOPED BY THE CONTRACTOR FOR CITY OF TACOMA REVIEW AND APPROVAL.
14.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ARE REQUIRED TO BE IN PLACE AT LEAST FIVE (5) CALENDAR DAYS BEFORE CONSTRUCTION BEGINNING WHEN AFFECTING THE FLOW AND OPERATION OF AN ARTERIAL-RELATED INTERSECTION, BUT CAN BE REPLACED WITH STATIC SIGNS CONVEYING THE SAME INFORMATION THEREAFTER.
15.

ALL NIGHT WORK SHALL HAVE A UNIFORMED POLICE OFFICER FOR SECURITY

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY

DATE

FIELD BOOKS

DATE

DESIGNED

DRAWN

DRAWING NAME

SCALE

1" = 50'

BAC

BAC

PROJECT NAME

PROP3 PKG32

PKG32-TC.DWG

10/19/2023

CITY OF TACOMA

DEPARTMENT OF PUBLIC WORKS

TRAFFIC CONTROL PLAN

STREET INITIATIVE PKG 32

VARIOUS LOCATIONS

DocuSigned by:

57F124185FB84A8

PWK-00434

SHEET NO. 46

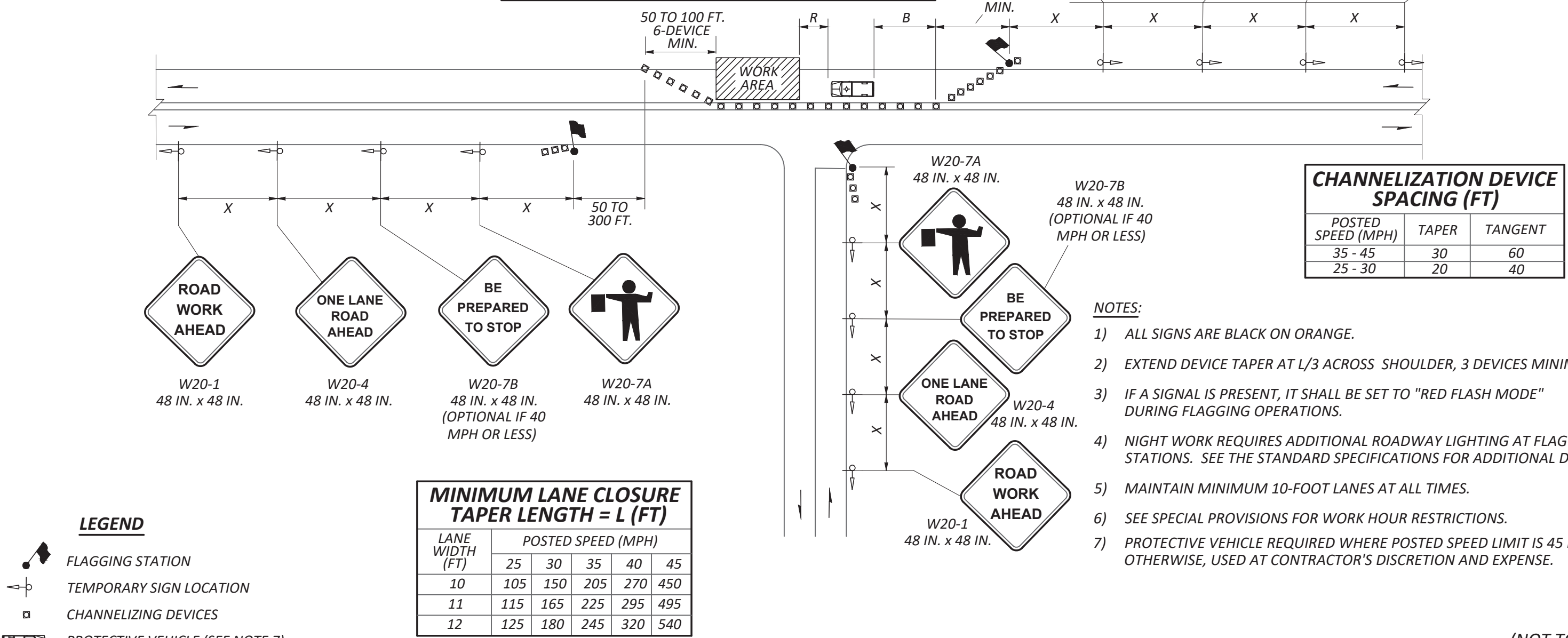
SHEET TC-1 OF TC-3

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SIGN SPACING = X (1)		
TYPE OF ROADWAY	POSTED SPEED	SIGN SPACING (FT)
RURAL ROADS AND URBAN ARTERIALS	45 MPH	500 ±
RURAL ROADS AND URBAN ARTERIALS	35 / 40 MPH	350 ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL, AND BUSINESS DISTRICTS	25 / 30 MPH	200 ± (2)

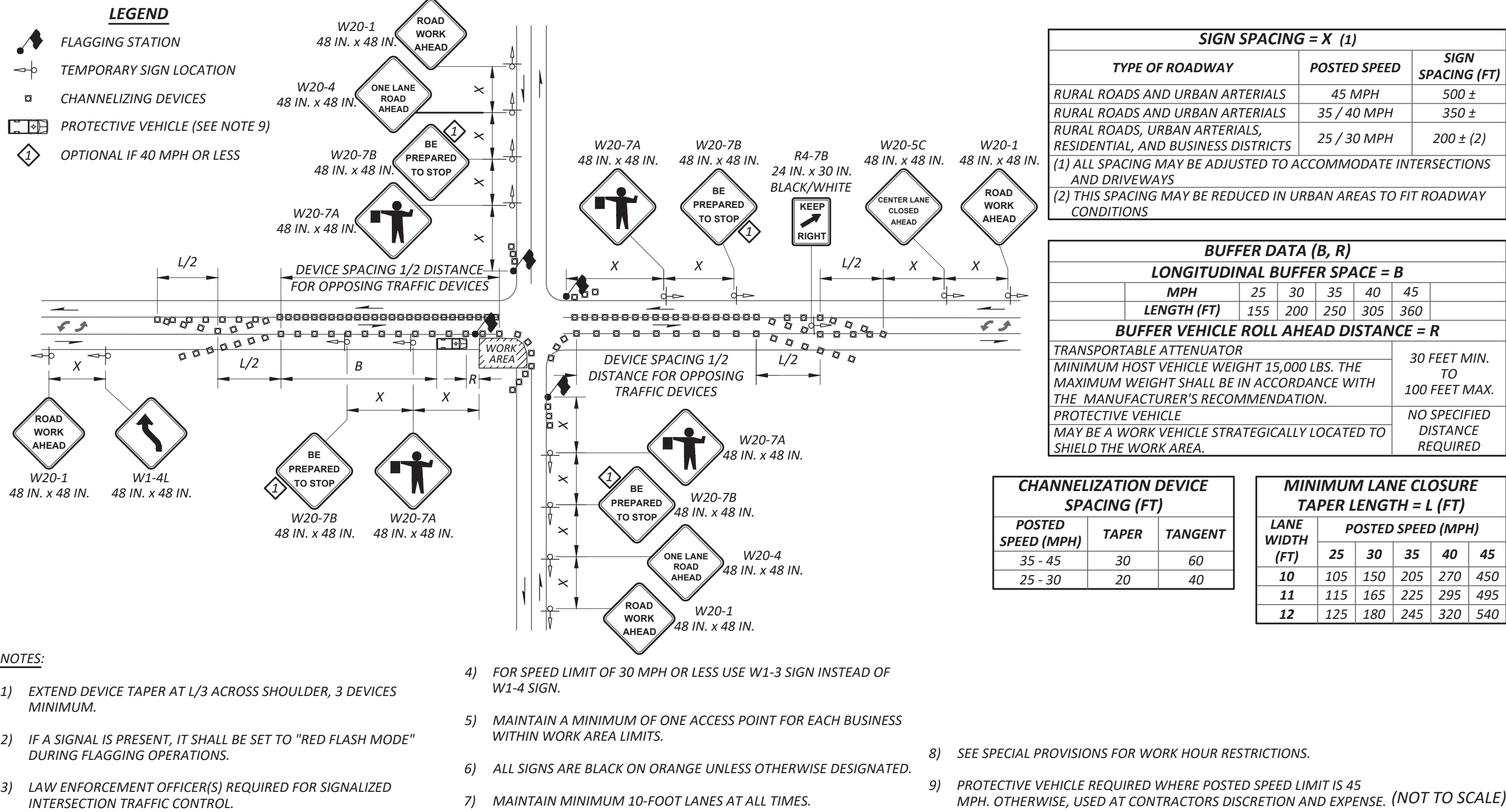
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA (B, R)	
LONGITUDINAL BUFFER SPACE = B	
MPH	25 30 35 40 45
LENGTH (FT)	155 200 250 305 360
BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR	
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.	
30 FEET MIN. TO 100 FEET MAX.	
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	
NO SPECIFIED DISTANCE REQUIRED	



TEMPORARY TRAFFIC CONTROL SET-UP #3:

USE ALONG THE S. FERRY ST., S. STATE ST. AND S. 14TH ST. CORRIDORS TO PERFORM PAVING, DRAINAGE, SIDEWALK, PLANTING, SIGNAL, AND PAVEMENT MARKING WORK IN THE CONTRACT.



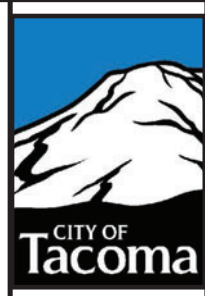
TEMPORARY TRAFFIC CONTROL SET-UP #1:

USE AT THE INTERSECTIONS OF S. FERRY ST. AND S. STATE ST. WITH S. 12TH ST. TO PERFORM PAVING, DRAINAGE, SIDEWALK, PLANTING, SIGNAL, AND PAVEMENT MARKING WORK IN THE CONTRACT.

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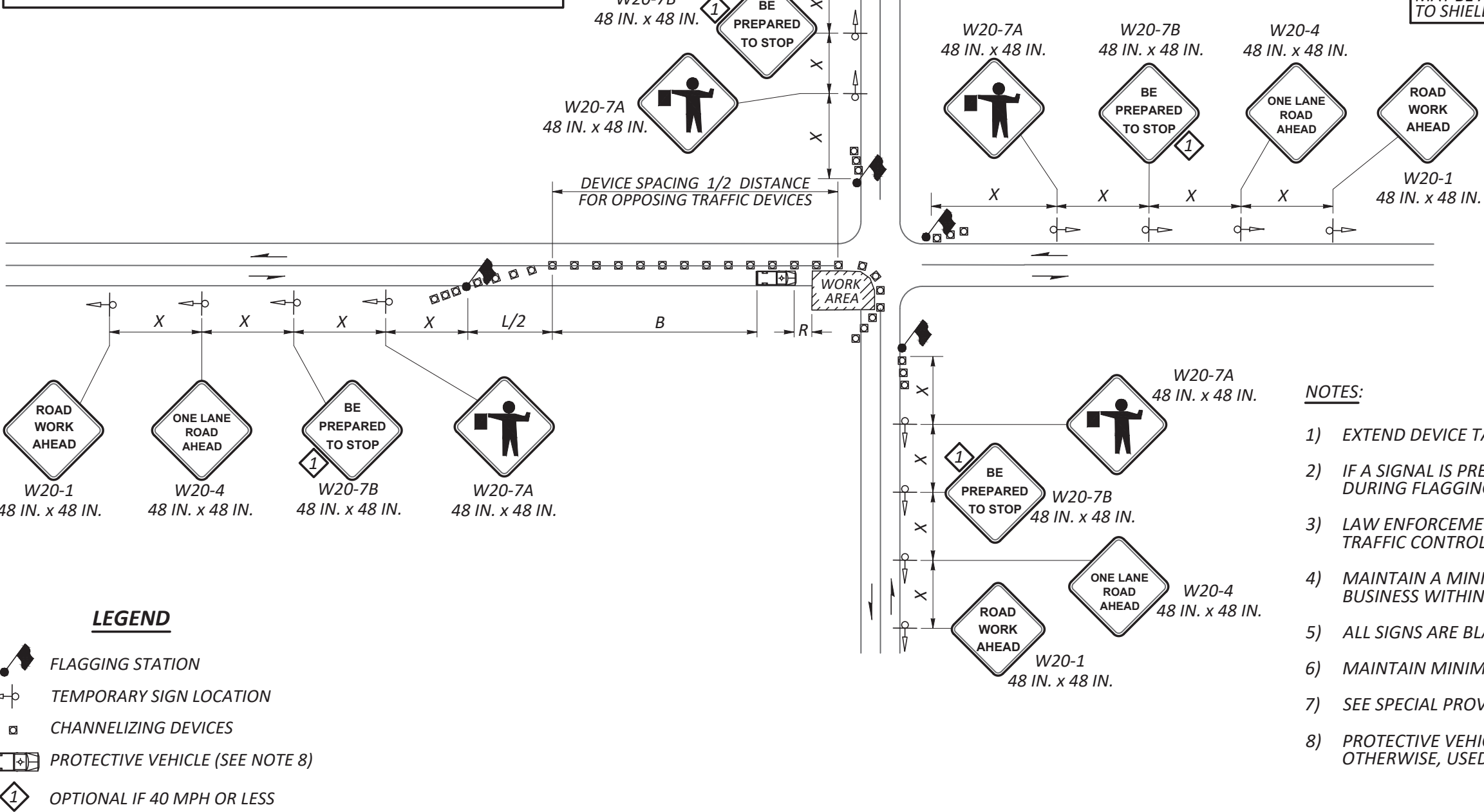
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FINAL CONSTRUCTION CHECKED	DATE	SCALE
OCT 2023	N.T.S.	
DESIGNED	BAC	BAC
DRAWN	REE	PROJECT NAME
DATE	PROP3 PKG32	
FIELD BOOKS	DRAWING NAME	PKG32-TC.DWG

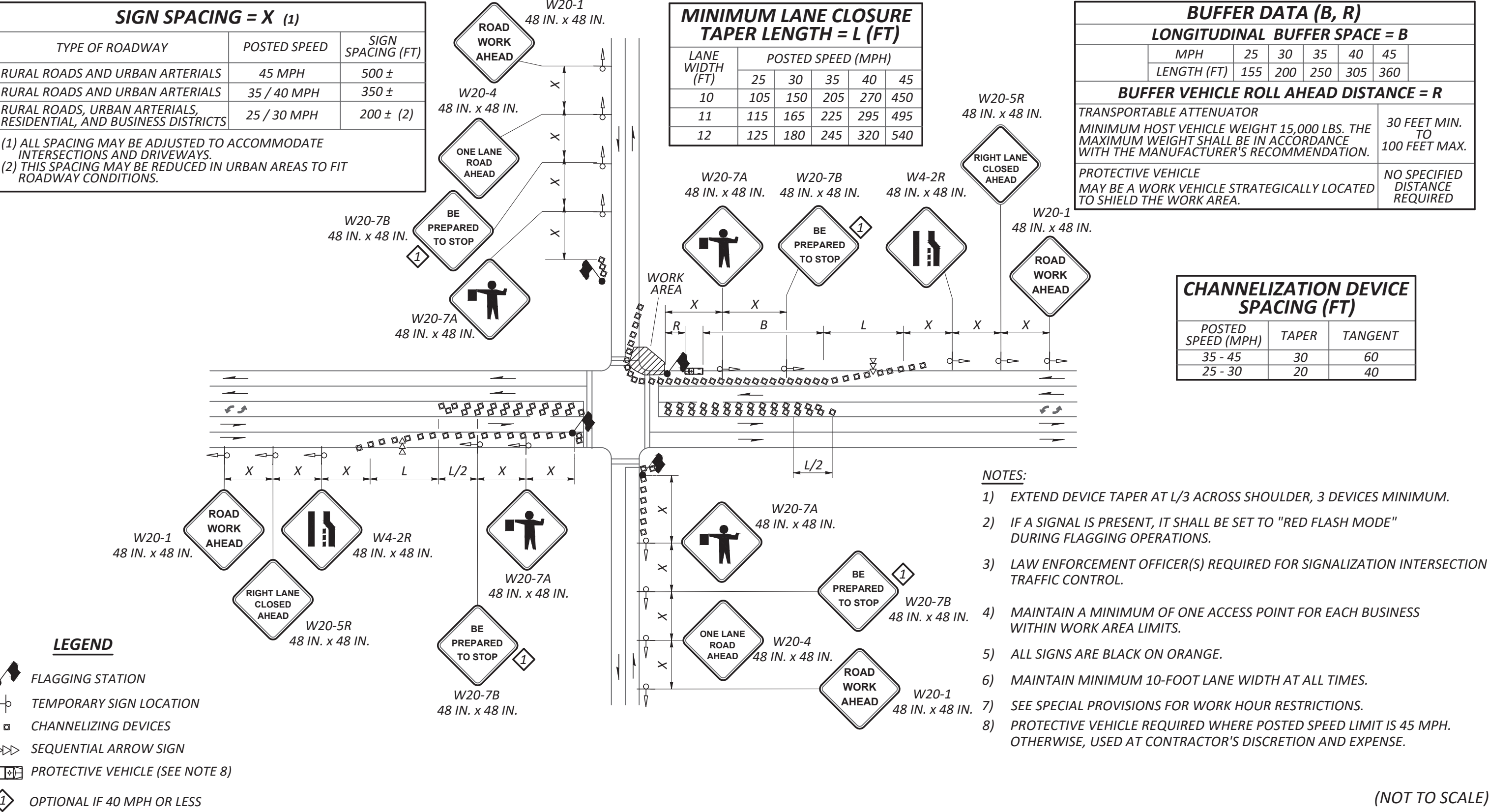
SIGN SPACING = X (1)		
TYPE OF ROADWAY	POSTED SPEED	SIGN SPACING (FT)
RURAL ROADS AND URBAN ARTERIALS	45 MPH	500 ±
RURAL ROADS AND URBAN ARTERIALS	35 / 40 MPH	350 ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL, AND BUSINESS DISTRICTS	25 / 30 MPH	200 ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



TEMPORARY TRAFFIC CONTROL SET-UP #2:

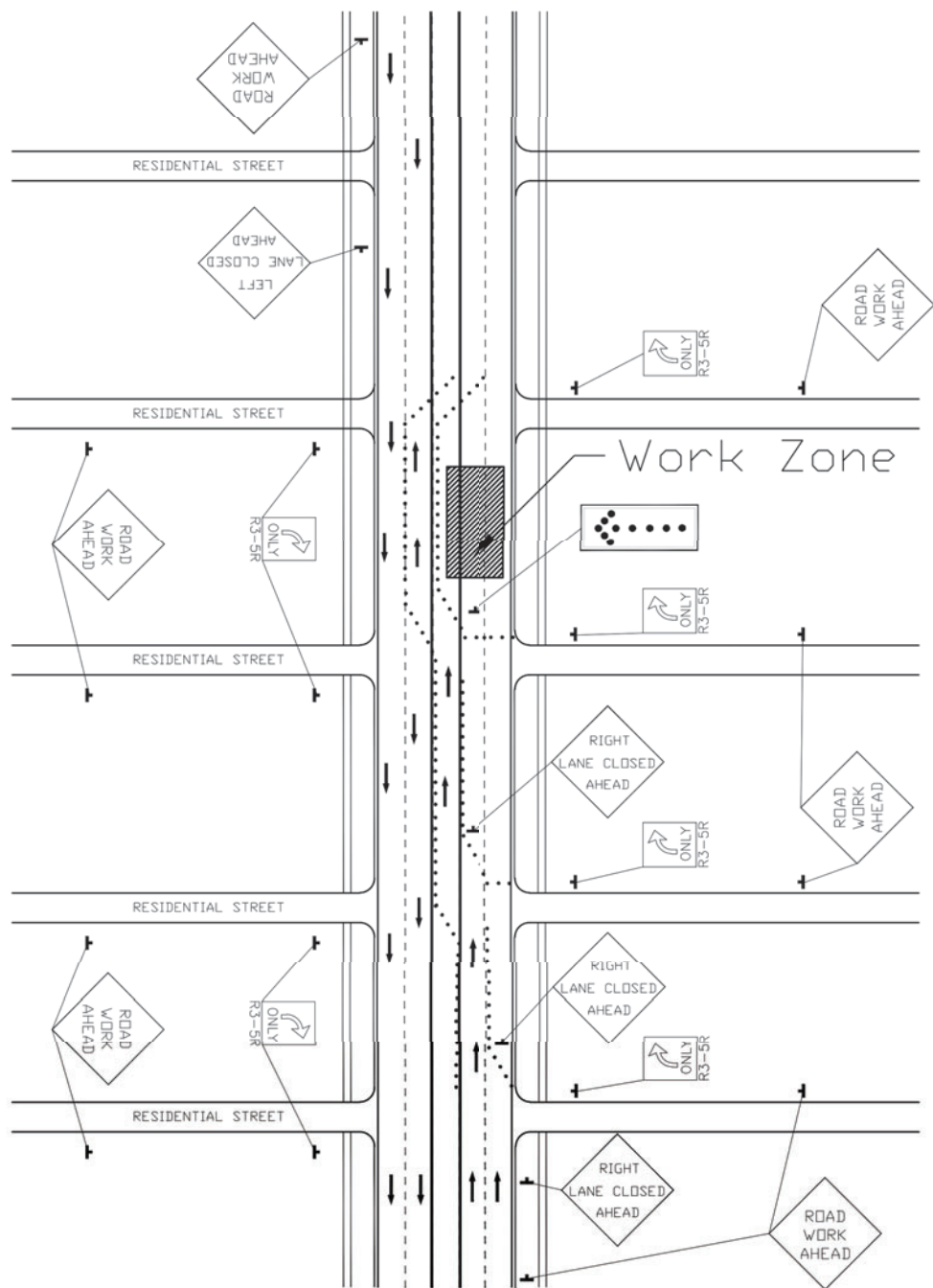
USE AT THE INTERSECTIONS OF S. 15TH ST. AND S. STATE ST. TO PERFORM PAVING, DRAINAGE, SIDEWALK, PLANTING, SIGNAL, AND PAVEMENT MARKING WORK IN THE CONTRACT.



TEMPORARY TRAFFIC CONTROL SET-UP #4:

USE AT THE INTERSECTIONS OF S. 14TH ST. AND S. SPRAGUE AVE. TO PERFORM PAVING, DRAINAGE, SIDEWALK, PLANTING, SIGNAL, AND PAVEMENT MARKING WORK IN THE CONTRACT.

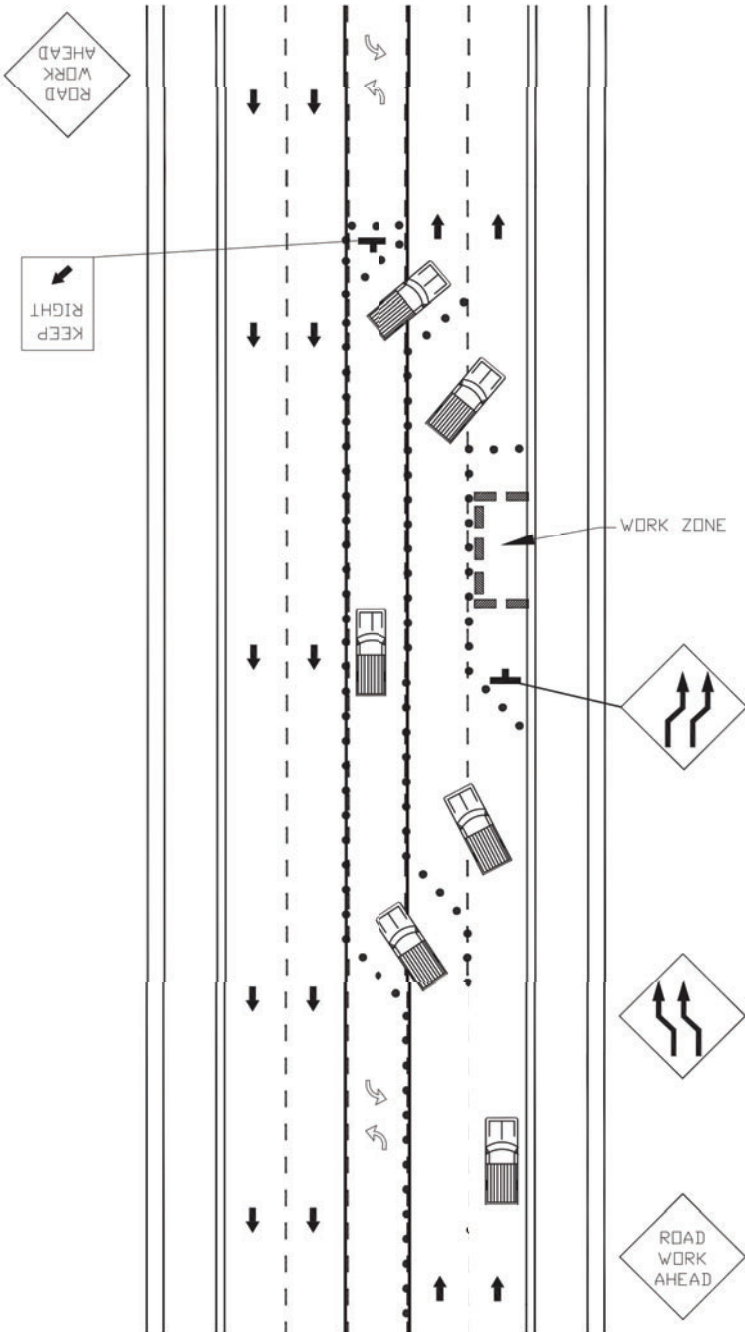
FINAL CONSTRUCTION CHECKED	DATE	SCALE	CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	
OCT 2023	N.T.S.		TRAFFIC CONTROL PLAN	
DESIGNED	BAC	BAC	STREET INITIATIVE PKG 32	
DRAWN	REE	PROJECT NAME	VARIOUS LOCATIONS	
DATE	PROP3 PKG32		PWK-00434	
FIELD BOOKS	DRAWING NAME	PKG32-TC.DWG	SHEET NO. 47	
			SHEET TC-2 OF TC-3	



Five Lane Road Multi-Lane Closure

TEMPORARY TRAFFIC CONTROL SET-UP #5:

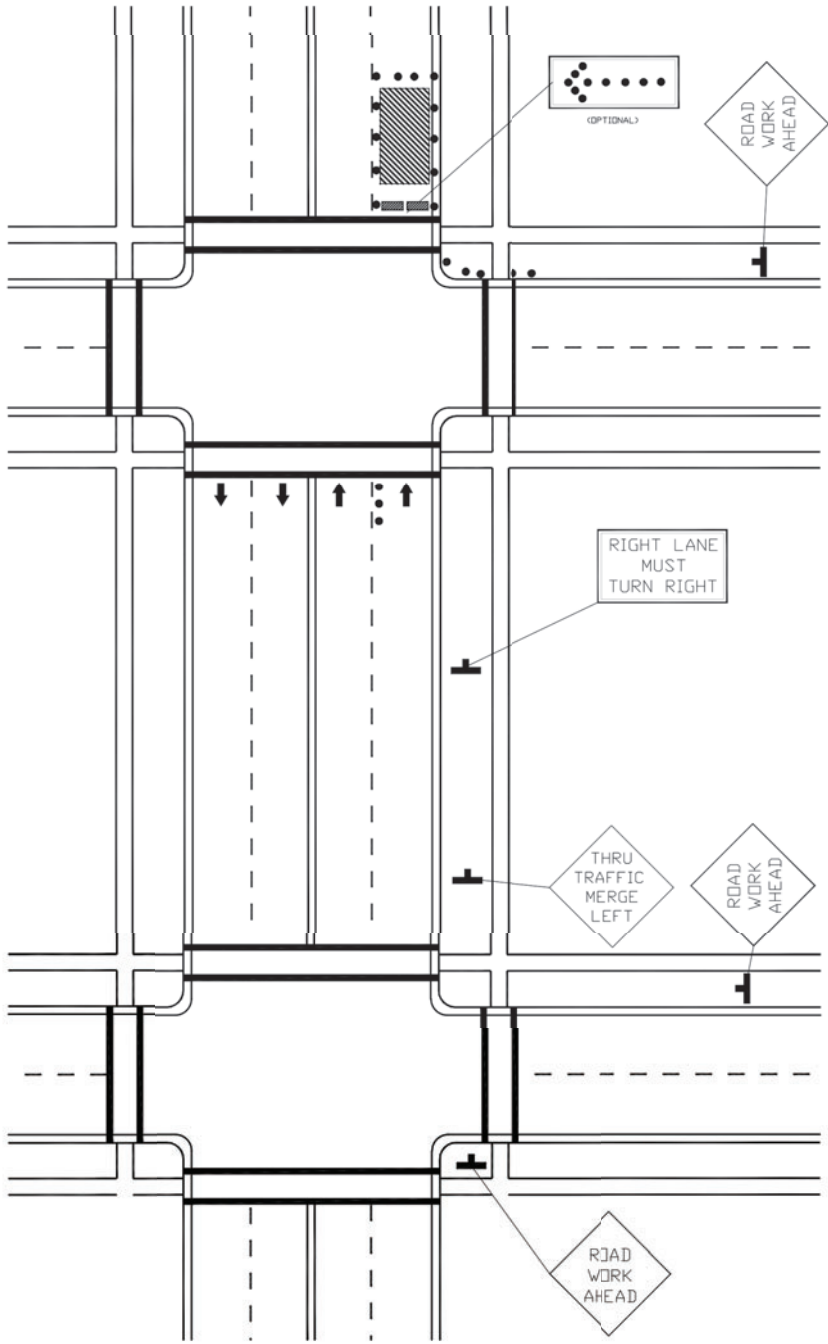
USE ON S. SPRAGUE AVE. ST S. 14TH ST. TO PERFORM THE WORK IN THE CONTRACT, SUCH AS PAVING, DRAINAGE, AND CHANNELIZATION WORK.



Five Lane Road with One Lane Shift

TEMPORARY TRAFFIC CONTROL SET-UP #6:

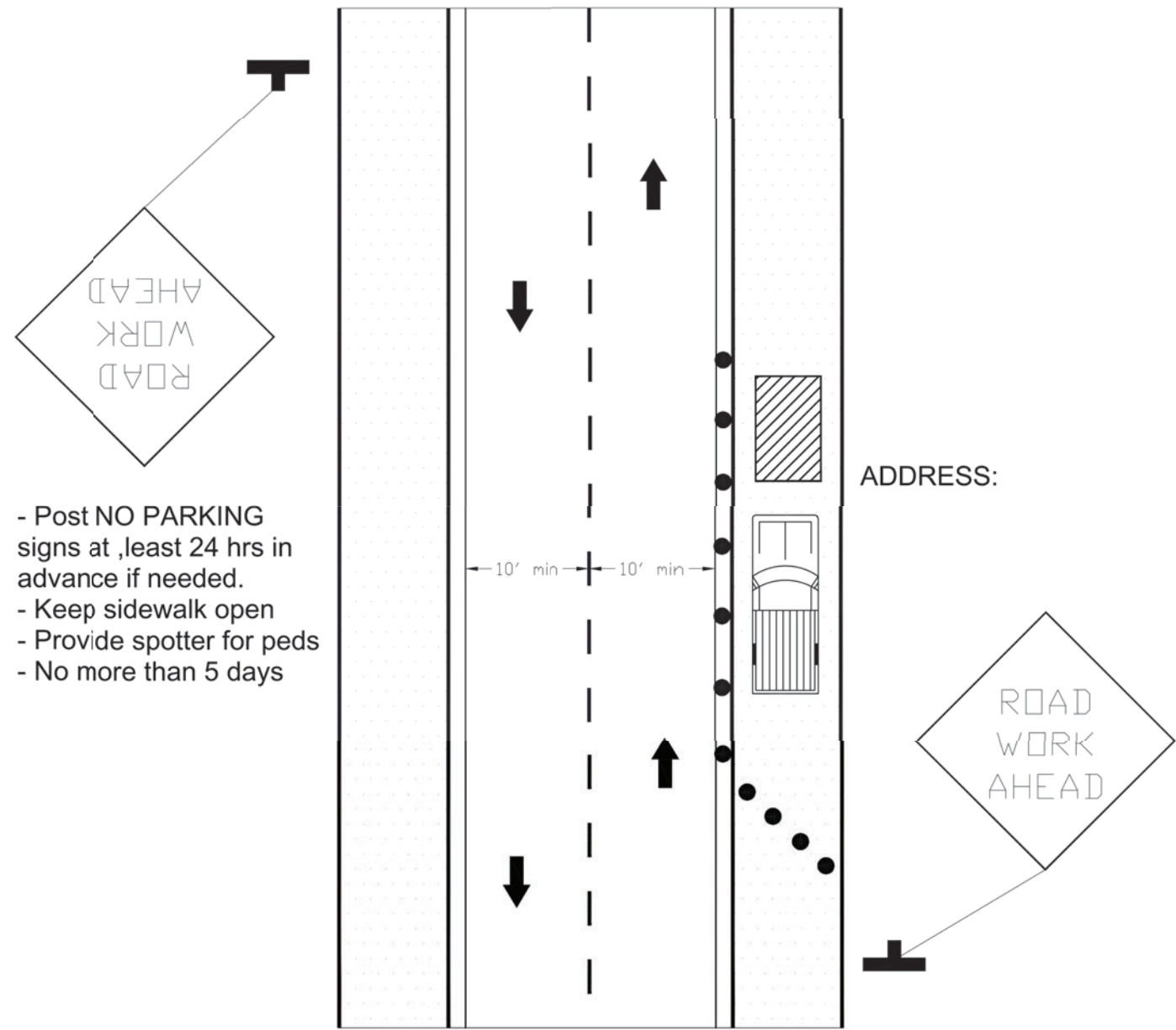
USE ON S. SPRAGUE AVE. ST S. 14TH ST. TO PERFORM THE WORK IN THE CONTRACT, SUCH AS PAVING AND CHANNELIZATION WORK.



Right Lane Closure at Intersection

TEMPORARY TRAFFIC CONTROL SET-UP #7:

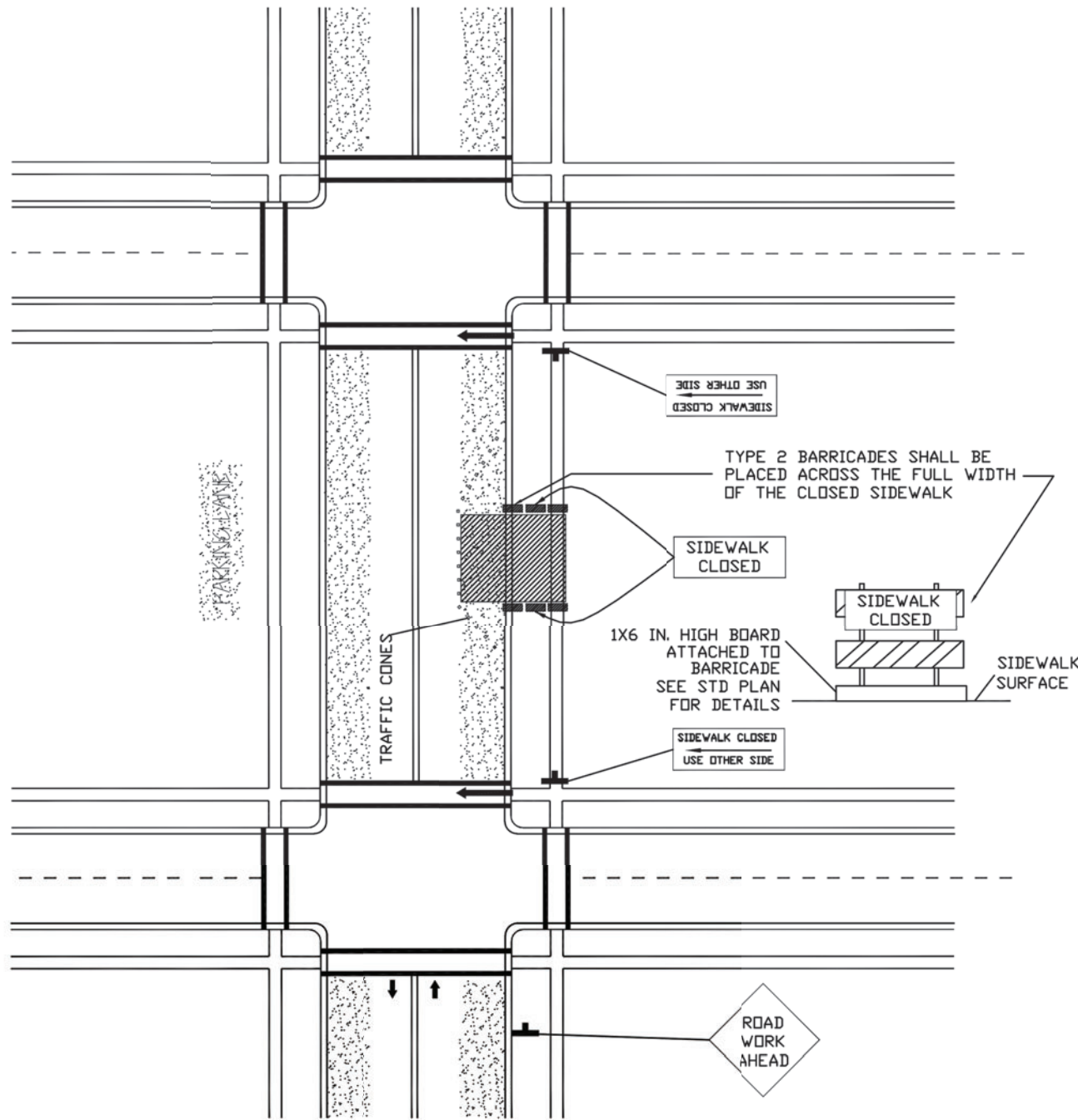
USE ON S. SPRAGUE AVE. ST S. 14TH ST. TO PERFORM THE WORK IN THE CONTRACT, SUCH AS PAVING, DRAINAGE, PLANTING AND CHANNELIZATION WORK.



Shoulder/Parking Lane Closure

TEMPORARY TRAFFIC CONTROL SET-UP #8:

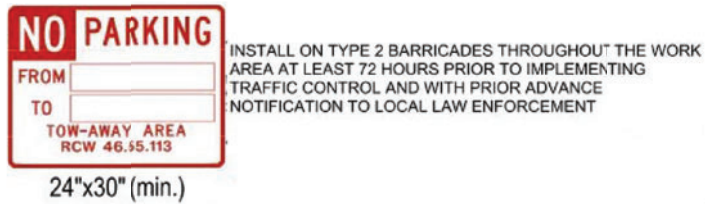
USE ALONG THE S. FERRY ST., S. STATE ST., AND S. 14TH ST. CORRIDORS TO PERFORM PAVING, DRAINAGE, SIDEWALK AND PLANTING WORK IN CONTRACT.



Sidewalk and Parking Closure

TEMPORARY TRAFFIC CONTROL SET-UP #9:

USE ALONG THE S. FERRY ST., S. STATE ST., AND S. 14TH ST. CORRIDORS TO PERFORM PAVING, DRAINAGE, SIDEWALK AND PLANTING WORK IN CONTRACT.



Controls shown are for pedestrian traffic only.

A 60" minimum path width should be maintained.

Contact and coordinate impacted Transit agencies prior to implementing any closures.

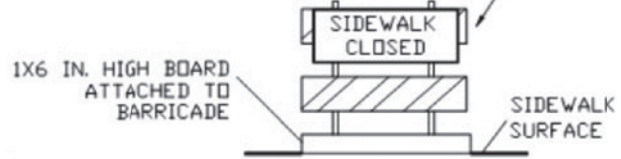
See different City of Tacoma Traffic Control Handbook for pedestrian ramp details.

ADA pedestrian facilities must be maintained.

Temporary pedestrian push buttons shall be placed on the diverted path when existing buttons are not accessible to pedestrians.

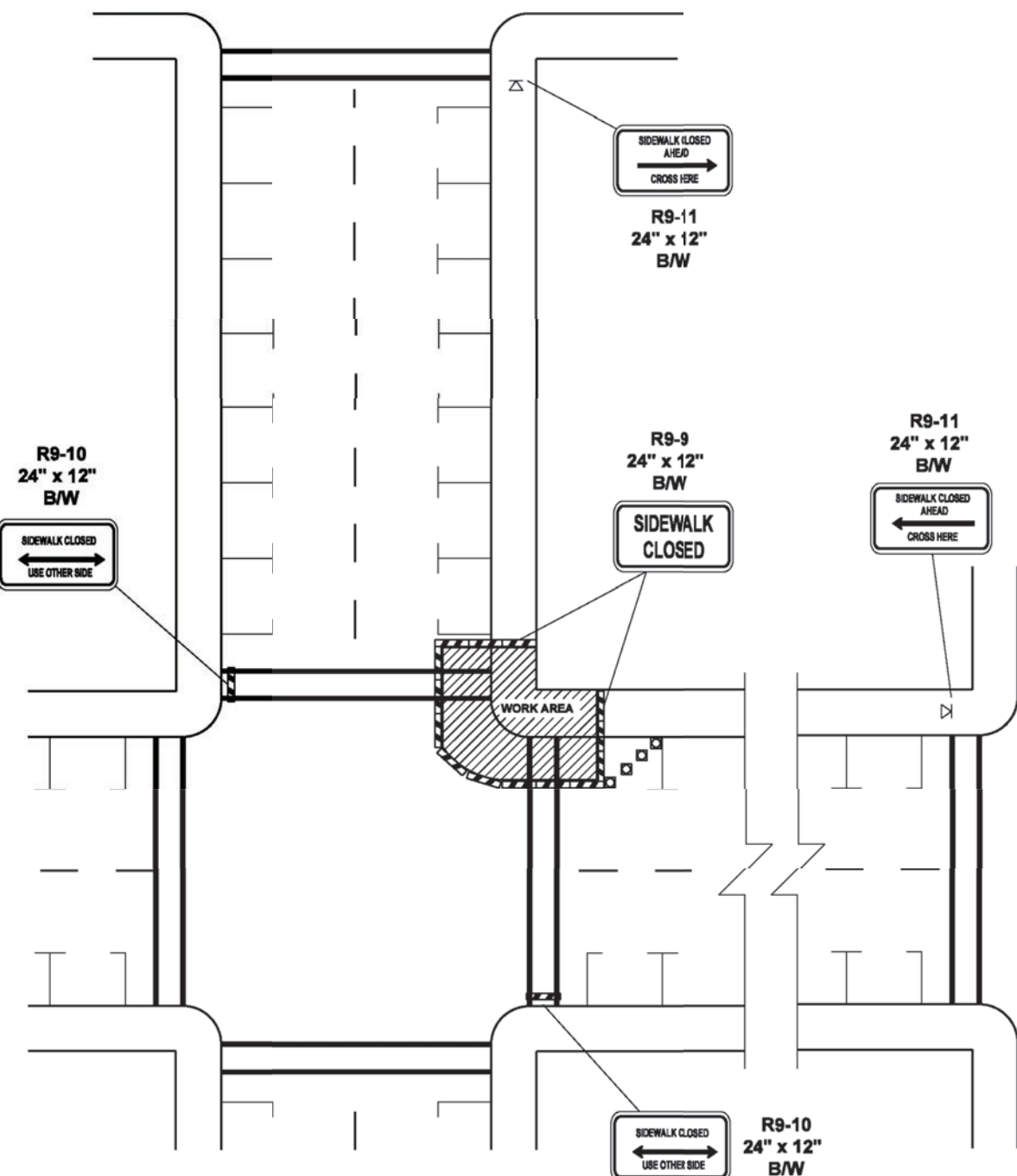
Sidewalk Barricade Detail

TYPE 2 BARRICADES SHALL BE PLACED ACROSS THE FULL WIDTH OF THE CLOSED SIDEWALK



LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PEDESTRIAN CHANNELIZING DEVICES



SIDEWALK DETOUR

TEMPORARY TRAFFIC CONTROL SET-UP #10:

USE ALONG THE S. 12TH ST., S. 14TH ST., S. 15TH ST., S. FERRY ST., S. STATE ST., AND S. SPRAGUE AVE. CORRIDORS, WHERE SIDEWALK WORK IS OCCURRING ALONG PARKING AREAS.

CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLES AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



NO

REVISION

DATE

APPD

FINAL

CONSTRUCTION

CHECKED

DATE

OCT 2023

SCALE

N.T.S.

DESIGNED

BAC

CHECKED

BAC

DRAWN

REE

PROJECT NAME

PROP3 PKG32

DRAWING NAME

PKG32-TC.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:

Jack McInerney

57F124185F684A8

JAGER

TRAFFIC CONTROL PLAN

STREET INITIATIVE PKG 32

VARIOUS LOCATIONS

PWK-00434

SHEET NO.

48

SHEET

TC-3

OF

TC-3