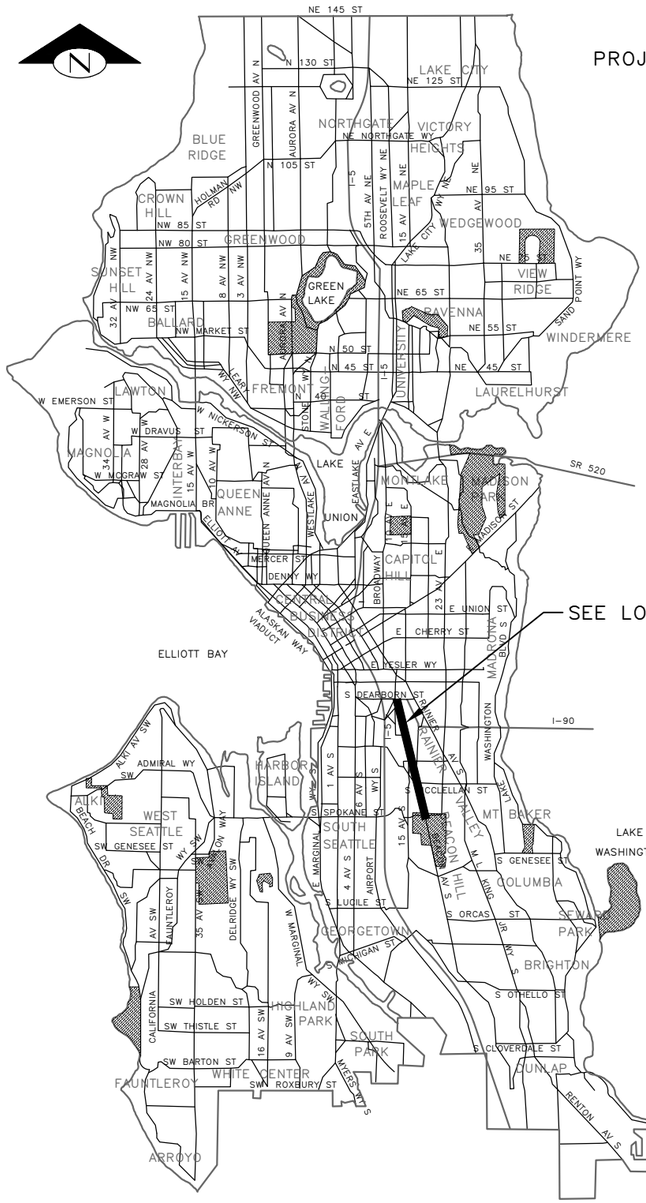


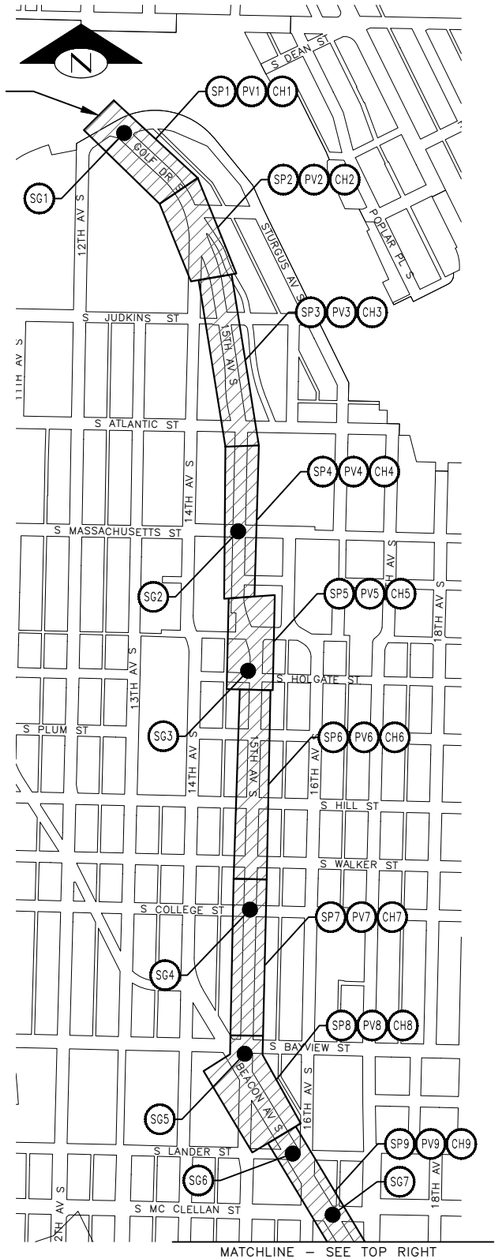
PROJECT LOCATION

SEE LOCATION MAP

VICINITY MAP

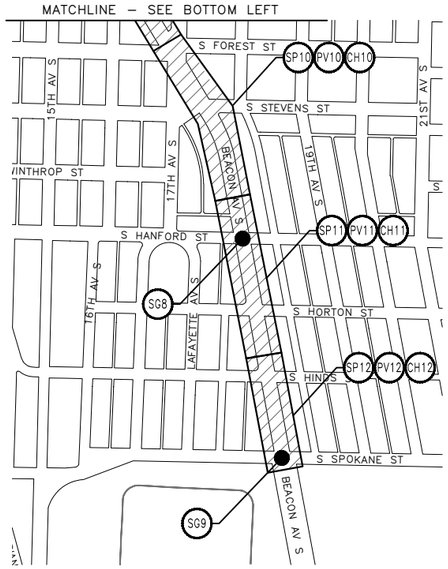
1 0 1 2

SCALE: 1" = 1 MILE



LOCATION MAP

SCALE: 1" = 400'



SHEET INDEX

SHEET	DRAWING	SHEET DESCRIPTION
1	CV1	COVER
2	NT1	NOTES
3–12	SV1–SV10	SURVEY CONTROL
13	RW1	RIGHT OF WAY
14	RS1	TYPICAL ROADWAY SECTIONS
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27–33	SD1–SD7	STORM DRAIN
34–37	SDP1–SDP4	STORM DRAIN PROFILES
38	SDDT1	STORM DRAIN DETAILS
39–57	SG1–SG9A	SIGNALS
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70–72	GR1–GR3	PAVEMENT GRADING
73–74	PVDT1–PVDT2	PAVING DETAILS
75–85	CR1–CR11	CURB RAMPS
86–97	CH1–CH12	CHANNELIZATION & SIGNING
98–100	CHDT1–CHDT3	CHANNELIZATION & SIGNING DETAILS

DETAIL AND SECTION REFERENCING

4/9 ← DETAIL REFERENCE NUMBER; SHEET ON WHICH DETAIL APPEARS

(TITLE) (SCALE) 4/9 ← DETAIL REFERENCE NUMBER; SHEET FROM WHICH DETAIL WAS TAKEN

("TYP" SPECIFIES THAT DETAIL IS UNIFORMLY TYPICAL THROUGHOUT PROJECT EXCEPT WHERE OTHERWISE NOTED.)
("VAR" SPECIFIES THAT DETAIL WAS TAKEN FROM SEVERAL SHEETS.)

A A 32 ← SECTION A–A IS SHOWN ON SHEET 32.

SECTION A–A 30 ← SECTION A–A IS TAKEN FROM SHEET 30.

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

COVER

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

APPROVED FOR ADVERTISING
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
BY: . . . . . PURCHASING AND CONTRACTING

INITIALS AND DATE	INITIALS AND DATE
DESIGNED LD	REVIEWED:
CHECKED PT	DES. CONST.
	SDOT PROJ. MGR.
DRAWN SK	RECEIVED
CHECKED MO	REVISED AS BUILT

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

LAURENTIU DUSCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: AS NOTED

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CV1
SHEET 1 OF 100

P:\SDOTCP\trc1059_beacon hill bike route\a-plot sheets\TRC1059_P-COVR.dwg
Sep-20-23 7:08am

GENERAL NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. ALL WORK MUST CONFORM TO THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD PLANS FOR MUNICIPAL CONSTRUCTION, AND THE SEATTLE DEPARTMENT OF TRANSPORTATION DIRECTOR'S RULE 01–2017 FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS MUST BE ONSITE DURING CONSTRUCTION.

2. FOR REQUIREMENTS REGARDING THE PROTECTION AND RESTORATION OF PUBLIC AND PRIVATE PROPERTY SEE SECTIONS 1–07.16 & 1–07.17.

3. THE CONTRACTOR IS RESPONSIBLE FOR REFERENCING AND REPLACING ALL SURVEY MONUMENTS THAT MAY BE DISTURBED, DESTROYED OR REMOVED BY THE PROJECT AND AT LEAST 2 WORKING DAYS PRIOR TO THE WORK, MUST FILE AN APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, PURSUANT TO WAC 332–120. THE CONTRACTOR MUST PROVIDE THE ENGINEER AND SPU LAND SURVEY WITH A COPY OF THE APPROVED PERMIT AND COMPLETION REPORT. SEE STANDARD SPECIFICATION 1–07.28 ITEM 17.

4. TREES, SHRUBS AND OTHER PLANT MATERIAL NOT DESIGNATED FOR REMOVAL MUST BE PROTECTED FROM DAMAGE. SEE SECTIONS 1–07.16(2) AND 8–01 FOR REQUIREMENTS REGARDING THE TREE, VEGETATION AND SOIL PROTECTION PLAN.

5. THE PROJECT WILL INVOLVE EXCAVATION OVER CHARGED WATER MAINS. FOR PROTECTION OF THIS INFRASTRUCTURE, SEE SECTIONS 1–07.16(1) AND 2–02.3(3)C. CONTRACTOR MUST NOT REPAIR DAMAGE TO CHARGED WATER MAINS OR SERVICES BUT MUST IMMEDIATELY NOTIFY THE SPU EMERGENCY DISPATCHER AT 206–386–1800.

7. RESTORATION OF CONTRACTOR DAMAGE TO EXISTING UTILITIES MUST BE AT THE CONTRACTOR'S EXPENSE. SEE SECTIONS 1–07.13 AND 1–07.16.

8. THE CONTRACTOR MUST NOTIFY THE UTILITIES FOR UNDERGROUND UTILITY LOCATIONS BEFORE COMMENCEMENT OF ANY EXCAVATION. ADVANCE NOTIFICATION IS REQUIRED. SEE SECTION 1–07.28.

9. FOR NOTIFICATION AND COORDINATION REQUIREMENTS, INCLUDING COMMUNICATION WITH METRO TRANSIT, SEE SECTIONS 1–07.17 AND 1–07.28.

10 ALL EXCAVATIONS ADJACENT TO SEATTLE CITY LIGHT POLES OR OTHER FACILITIES (VAULTS, HANDHOLES, ETC.) MUST COMPLY WITH WAC 296–155 PART N, EXCAVATION, TRENCHING AND SHORING. POLE PROTECTION/ SUPPORTING SYSTEMS USED WHILE EXCAVATING MUST COMPLY WITH WAC 296–155–655, GENERAL PROTECTION REQUIREMENTS, ITEM (9) AND MUST NOT AFFECT THE STRUCTURAL INTEGRITY OF POLES WHILE THE SYSTEMS ARE IN PLACE OR AFTER THE SYSTEMS HAVE BEEN REMOVED.

CURB RAMP NOTES:

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. ALL NEWLY CONSTRUCTED PEDESTRIAN ACCESS ROUTES INCLUDING SIDEWALK AND CURB RAMPS MUST MEET CURRENT ADA STANDARDS AND GUIDELINES (2010 ADA STANDARDS, PROWAG 2011) TO THE MAXIMUM EXTENT FEASIBLE.

2. WHERE THE DRAWINGS DENOTE "MEF" FOR CURB RAMP ELEMENTS, THIS DESIGNATION IS FOR THE REFERENCE ONLY AND MUST BE FIELD VERIFIED BY THE ENGINEER. THE CONTRACTOR MUST NOTIFY THE ENGINEER PER SECTION 8–14.3(7) AND ALLOW THE ENGINEER THE OPPORTUNITY TO INSPECT THE CURB RAMP LAYOUT AND DIRECT ADJUSTMENTS AS NECESSARY. EVERY EFFORT WILL BE MADE TO ACHIEVE AN ADA COMPLIANT RAMP.

3. THE CONTRACTOR MUST NOTIFY THE ENGINEER IF A CURB RAMP CANNOT BE CONSTRUCTED PER THE DRAWINGS, RESULTING IN A NON–COMPLIANT SLOPES AN/OR DIMENSIONS. PRIOR TO INSTALLING THE CURB RAMP, THE ENGINEER MUST APPROVE THE CURB RAMP LAYOUT.

4. PEDESTRIAN ACCESS THROUGH THE PROJECT MUST BE MAINTAINED IN COMPLIANCE WITH SDOT PEDESTRIAN MOBILITY IN AND AROUND WORK ZONES, DIRECTOR'S RULE 10–2015, AND SDOT 2018 TRAFFIC CONTROL MANUAL FOR IN–STREET WORK.

5. FOR ASSET MANAGEMENT PURPOSES, THIS PROJECT INCLUDES THE FOLLOWING:

NEW CURB RAMPS	xx
REBUILT CURB RAMPS	xx
PROJECT TOTAL	XX

ROADWAY NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. PAVEMENT, SIDEWALK AND CURB REMOVALS MUST EXTEND TO EXISTING JOINTS, TO LIMITS IDENTIFIED AS "SAWCUT" ON THE DRAWINGS, OR TO LIMITS DETERMINED BY THE ENGINEER. SEE SECTION 2–02.3.

2. ALL JOINTS AT THE MEET LINES OF NEW CONSTRUCTION AND EXISTING SURFACES MUST BE BUTT JOINTS. SEE SECTION 5–04.3(10)B.

3. LONGITUDINAL JOINTS MUST BE COORDINATED WITH THE CHANNELIZATION DRAWINGS. LONGITUDINAL JOINTS MUST BE AT A LANE LINE OR EDGE OF TRAVELED WAY UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER. SEE SECTION 5–05.3(8)E2.

4. PAVING AROUND INLETS AND CATCH BASINS MUST BE SLOPED TO ESTABLISH A DRAINAGE TRANSITION ZONE PER STANDARD PLAN 260A.

5. WMA SURFACE COURSE FOR ROADWAY MUST BE CLASS 1/2", PG58V–22 FOR 10 MILLION ESAL'S.

6. HMA BASE COURSE FOR ROADWAY MUST BE CLASS 1", PG58V–22 FOR 10 MILLION ESAL'S.

7. PRIOR TO SAWCUT AND REMOVAL FOR BASE REPAIR, THE CONTRACTOR MUST HAVE THE LIMITS VERIFIED BY THE ENGINEER. THE OWNER RESERVES THE RIGHT TO IDENTIFY ADDITIONAL AREAS OF BASE REPAIR AFTER PLANING.

8. IF AN EXISTING WATER VALVE BOX REQUIRES ADJUSTMENT, IT MUST BE DONE BY EXCAVATING THE CASTING AND VERTICALLY ADJUSTING THE TOP SECTION OF THE VALVE BOX. THE FLANGE MUST BE CAST IN TO SURROUNDING PAVEMENT AS SHOWN ON STD PLAN 315. DO NOT USE EXTENSION RINGS. SEE SECTION 7–20.3(1)A.

9. CONTRACTOR MUST ADJUST CASTINGS IN ACCORDANCE WITH SECTION 7–20. CASTINGS MUST BE ADJUSTED TO FINISH GRADE PRIOR TO CONSTRUCTION OF FINAL SURFACE COURSE PER SECTION 5–04.3(9)B. WORN OR BROKEN CASTINGS TO BE REPLACED MUST BE REPLACED PRIOR TO INSTALLATION OF THE FINAL SURFACE.

10. NEW LOOP DETECTORS MUST BE INSTALLED IN THE PAVEMENT SUBLAYER PRIOR TO FINAL WEARING COURSE PAVING. SEE SECTION 8–31.3(5)A. WHEN INSTALLING IN NEW FULL DEPTH CONCRETE PAVEMENT WITHOUT ASPHALT SURFACING, THE LOOPS MUST BE PREFORMED PER SECTION 8–31.3(5)B.

KING COUNTY METRO (KCM) COORDINATION NOTES

1. ALL CONSTRUCTION AND OTHER WORK ACTIVITY AFFECTING KING COUNTY METRO (KCM) TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH THE KCM SYSTEM IMPACTS WORKGROUP. PLEASE CONTACT THEM TO PROVIDE SPECIFIC INFORMATION RELATED TO THE ACTIVITY AND ALLOW THE REQUIRED LEAD TIME NECESSARY FOR RESPONDING TO ANY IMPACTS CAUSED BY IT. FOR NOTIFICATION INFORMATION AND GUIDELINES PLEASE VISIT: HTTP://WWW.KINGCOUNTY.GOV/TRANSPORTATION/KCDOT/METROTRANSIT/CONSTRUCTION.ASPX OR PHONE 206.477.1140 OR 206.477.1150 FOR TROLLEY–RELATED ACTIVITIES.

2. PER WAC 296–155 –– ALL NON–QUALIFIED PERSONNEL AND EQUIPMENT MUST MAINTAIN 10' CLEARANCES FROM THE CONTACT WIRE. CONTACT LABOR & INDUSTRIES FOR MORE INFORMATION.

3. METROKC PD WORK REQUIRES 20 WORKING DAYS NOTIFICATION FOR EACH TROLLEY WIRE MOVE. MOVEMENT OF TROLLEY OVERHEAD TO ACCOMMODATE CONSTRUCTION SHALL BE AT OWNERS EXPENSE. CONTACT DAVID WHEELER @ 206–263–1702

4. METRO REQUIRES A MINIMUM OF 15 BUSINESS–DAY NOTIFICATION FOR TROLLEY LINE DEACTIVATIONS; LINE DEACTIVATIONS ARE PERMITTED ON WEEKENDS ONLY

5. TO SCHEDULE SHELTER REMOVAL, PLEASE CONTACT PLANSREVIEW@KINGCOUNTY.GOV. PLEASE NOTE THAT METRO REQUIRES 5 WEEKS PRIOR NOTIFICATION FOR REMOVAL OF SHELTERS ADJACENT TO TROLLEY WIRE.

6. PRIOR TO CONSTRUCTION OF METRO FOOTINGS AND FACILITIES, PLEASE CONTACT METRO INSPECTORS AND CONSTRUCTION AT BUSSTOPINSPECTIONS@KINGCOUNTY.GOV OR BY PHONE AT 206–263–2381. PLEASE NOTE THAT METRO REQUIRES NOTICE OF AT LEAST THREE WEEKS IN ADVANCE TO SCHEDULE AN INSPECTION. ALL METRO FOOTINGS MUST BE INSPECTED AND APPROVED BY METRO INSPECTORS BEFORE ANY CONCRETE IS POURED.

7. AFTER SHELTER FOOTING INSPECTION AND COMPLETED CONSTRUCTION, PLEASE CONTACT PLANSREVIEW@KINGCOUNTY.GOV TO SCHEDULE SHELTER FRAME INSTALLATION AND BUS STOP FLAGPOST INSTALLATION.

8. THE CONSTRUCTION COORDINATOR (CONSTRUCTION.COORD@KINGCOUNTY.GOV) AND TRANSIT ROUTE FACILITIES PLANNER FOR THE AREA MUST BE INVITED TO THE PRE–CONSTRUCTION MEETINGS BETWEEN THE CONTRACTOR(S), CONSTRUCTION MANAGEMENT FIRMS AND SDOT BEFORE THE NOTICE TO PROCEED IS ISSUED.

SIGNAL NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. THE CONTRACTOR MUST IMMEDIATELY REPORT ANY DAMAGE TO THE TRAFFIC SIGNAL SYSTEM, INCLUDING CONDUIT AND THE DETECTOR LOOPS. SEE SECTION 1–07.28 NOTE 16.

2. THE TRAFFIC SIGNAL SYSTEM INTERCONNECT CABLE AND SIGNAL WIRE SERVICE, VIDEO, OR MASTER CABLE MUST NOT BE SPICED. SEE SECTIONS 8–31.3(8)A AND 8–31.3(9)B.

3. THE CONTRACTOR MUST CONTACT SDOT TRAFFIC SIGNAL OPERATIONS WHEN THE TRAFFIC SIGNAL SYSTEMS OR THE TRAFFIC DETECTOR LOOPS MAY BE IMPACTED BY CONSTRUCTION. ADVANCE NOTIFICATION IS REQUIRED. SEE SECTION 1–07.28, SIGNALIZED INTERSECTIONS.

4. THE CONTRACTOR MUST PROVIDE PRELIMINARY LAYOUT FOR THE TRAFFIC DETECTION. THE LAYOUT MUST BE VERIFIED BY THE ENGINEER PRIOR TO SAW CUTTING. ADVANCE NOTIFICATION IS REQUIRED. SEE SECTION 8–31.3(5)A.

SIGNING & CHANNELIZATION NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. TO ORDER SDOT PROVIDED SIGNS, OR TO COORDINATE SDOT'S INSTALLATION OF SIGNS, SEE SECTION 8–21.3(1). ADVANCE NOTIFICATION IS REQUIRED. CONTACT SDOT SIGNS AND MARKING SHOP AT (206)233–7104.

2. FOR REQUIREMENTS ON LAYOUT AND VERIFICATION OF CHANNELIZATION FEATURES, SEE SECTION 8–22.3(1). ADVANCE NOTIFICATION IS REQUIRED. CONTACT CHRIS RASOR AT (206)854–2729 FOR CHAN REVIEW.

3. FOR SIGNING AND STRIPING DETAILS NOT SHOWN IN THESE DRAWINGS, SEE 600 SERIES AND 700 SERIES STANDARD PLANS.

DRAINAGE NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. FOR INLET CONNECTION BEND AND SLOPE RESTRICTIONS, SEE SECTION 7–08.3(5).

2. WHEN CONNECTING TO EXISTING SEWER AND DRAINAGE LINES, THE CONTRACTOR MUST VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION. DISCREPANCIES IN INVERT ELEVATIONS MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

3. BEDDING FOR INLET CONNECTION AND CATCH BASIN CONNECTION PIPES MUST BE CLASS B. SEE STD PLAN 285.

4. ALL INLET AND CATCH BASIN PIPE RECONNECTIONS MUST USE FLEXIBLE GASKETED COUPLINGS WITH STAINLESS STEEL SHIELDS PER SPECIFICATION 9–05.18.

5. SEATTLE PUBLIC UTILITIES (SPU) APPROVAL IS REQUIRED FOR ALL PROPOSED NEW CATCH BASINS, INLETS AND PIPES PRIOR TO FINAL SURFACE RESTORATION. CONTACT THE ENGINEER, 48 HOURS IN ADVANCE.

6. DUCTILE IRON PIPE MUST BE ANSI A21.51 CLASS 50 WITH PUSH–ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE MUST BE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH–ON JOINTS. GLANDS ON MECHANICAL JOINT PIPE AND FITTINGS MUST BE DUCTILE. SEE SECTION 9–05.3.

STORMWATER POLLUTION PREVENTION NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. THE CONTRACTOR MUST PREPARE A CONSTRUCTION STORMWATER AND EROSION CONTROL PLAN (CSECP), A TREE, VEGETATION AND SOIL PROTECTION PLAN (TVSPP) AND A SPILL PLAN (SP) FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. SEE SECTIONS 1–07.15 AND 8–01.

2. THE CONTRACTOR MUST COMPLY WITH ALL NPDES PERMIT REQUIREMENTS. SEE SECTIONS 1–07.15 AND 8–01.

NATURE	REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK

P:\SDOTCP\trc1059_beacon hill bike route\a-plot sheets\TRC1059_P-NOTE.dwg
Sep-20-23 7:08am

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

NOTES

APPROVED FOR ADVERTISING

DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES

SEATTLE, WASHINGTON . . . . . 20 . . .

BY: . . . . . PURCHASING AND CONTRACTING

INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
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	SDOT PROJ. MGR.
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LAURENTIU DISCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023–028

SCALE: H. 1"=20', V. 1"=10'

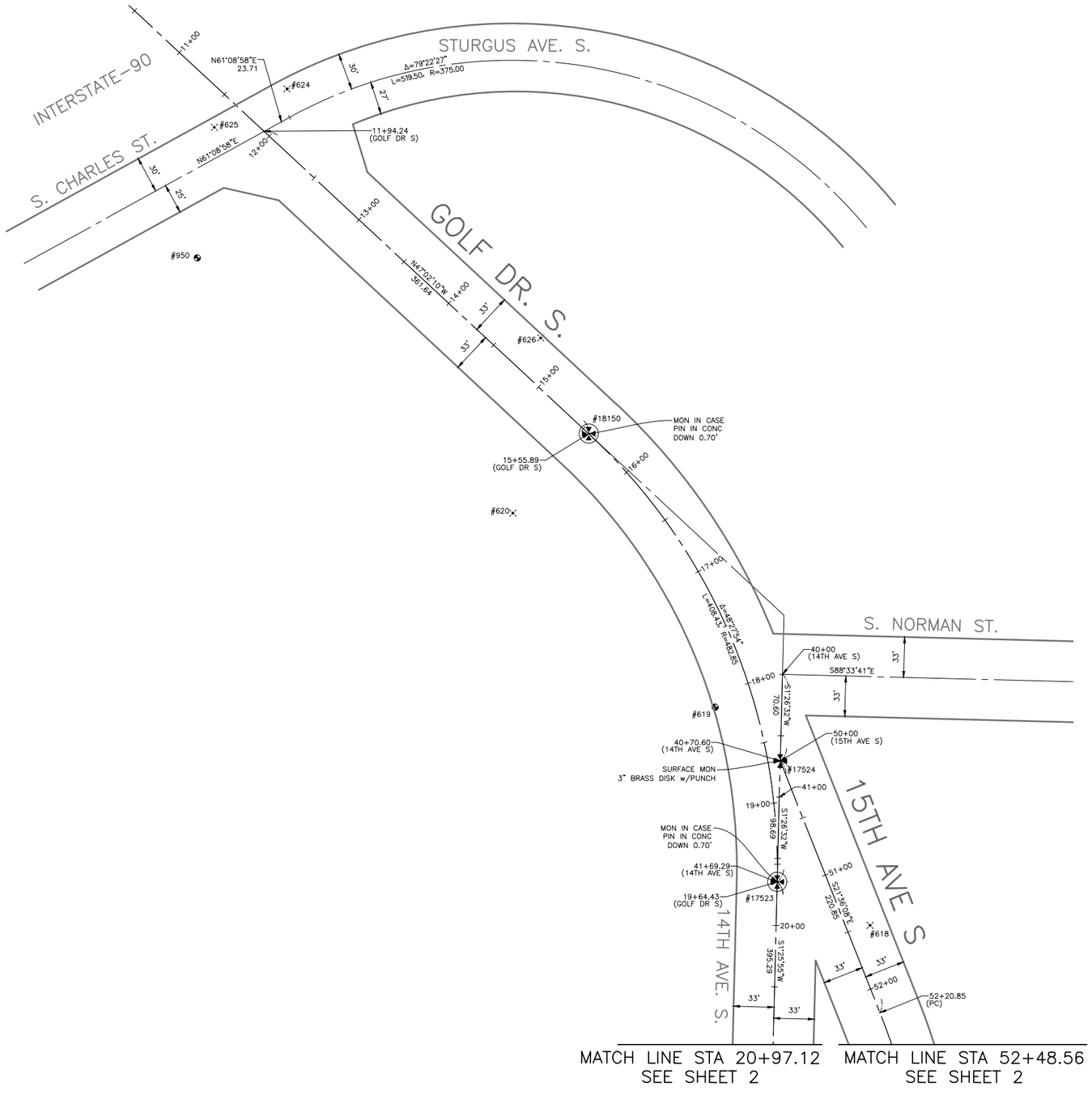
BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

NT1

SHEET 2 OF 100



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
17523	219691.14	1274878.69	272.93	MIC
17524	219789.80	1274881.18	266.76	MON
18150	220056.62	1274725.05	244.32	MIC

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
618	219655.75	1274954.41	275.36	MAG NAIL
619	219833.63	1274828.14	263.56	REBAR/CAP
620	219991.89	1274663.16	258.50	MAG NAIL
624	220337.76	1274479.10	215.51	MAG NAIL
625	220306.39	1274419.85	214.75	MAG NAIL
626	220134.66	1274685.87	239.33	MAG NAIL
950	220199.94	1274405.92	226.30	REBAR/CAP

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PEREZ & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

WHPacific
AN NV5 COMPANY
19201 120th Ave NE, Ste 201
Bothell, WA 98011
425-951-4800 Fax 425-951-4808

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SEATTLE, WASHINGTON . . . . . 20 . . .
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INITIALS AND DATE	
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INITIALS AND DATE	
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DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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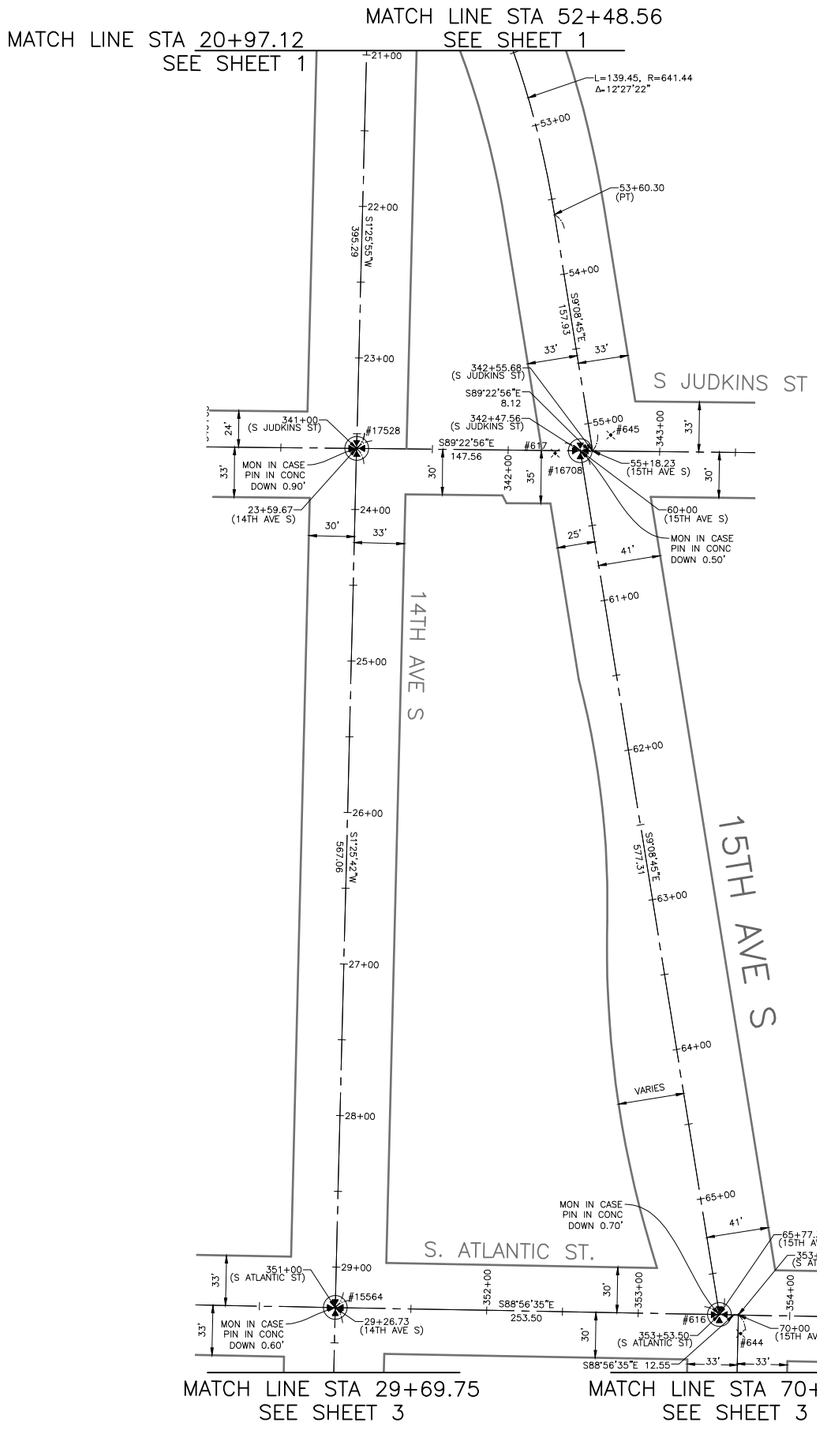
JAMES L. PURKEY STATE OF WASHINGTON 33148 REGISTERED PROFESSIONAL LAND SURVEYOR 07/21/2022

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB: PC / CO
VPI #
SV1
SHEET 3 OF 100



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
616	218724.46	1275108.14	274.77	MIC
15564	218729.14	1274854.68	315.99	MIC
16708	219294.44	1275016.37	276.13	MIC
17528	219296.03	1274868.82	302.30	MIC

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
617	219292.81	1274999.83	277.53	MAG NAIL
644	218712.00	1275122.19	274.59	MAG NAIL
645	219304.82	1275036.50	276.68	MAG NAIL

N

50 25 0 50 100

SCALE IN FEET

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PROJECT NAME: BEACON AVE S BIKE LANES

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DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

VAULT	SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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AN NV5 COMPANY
19201 120th Ave NE, Ste 201
Bothell, WA 98011
425-951-4800 Fax 425-951-4808

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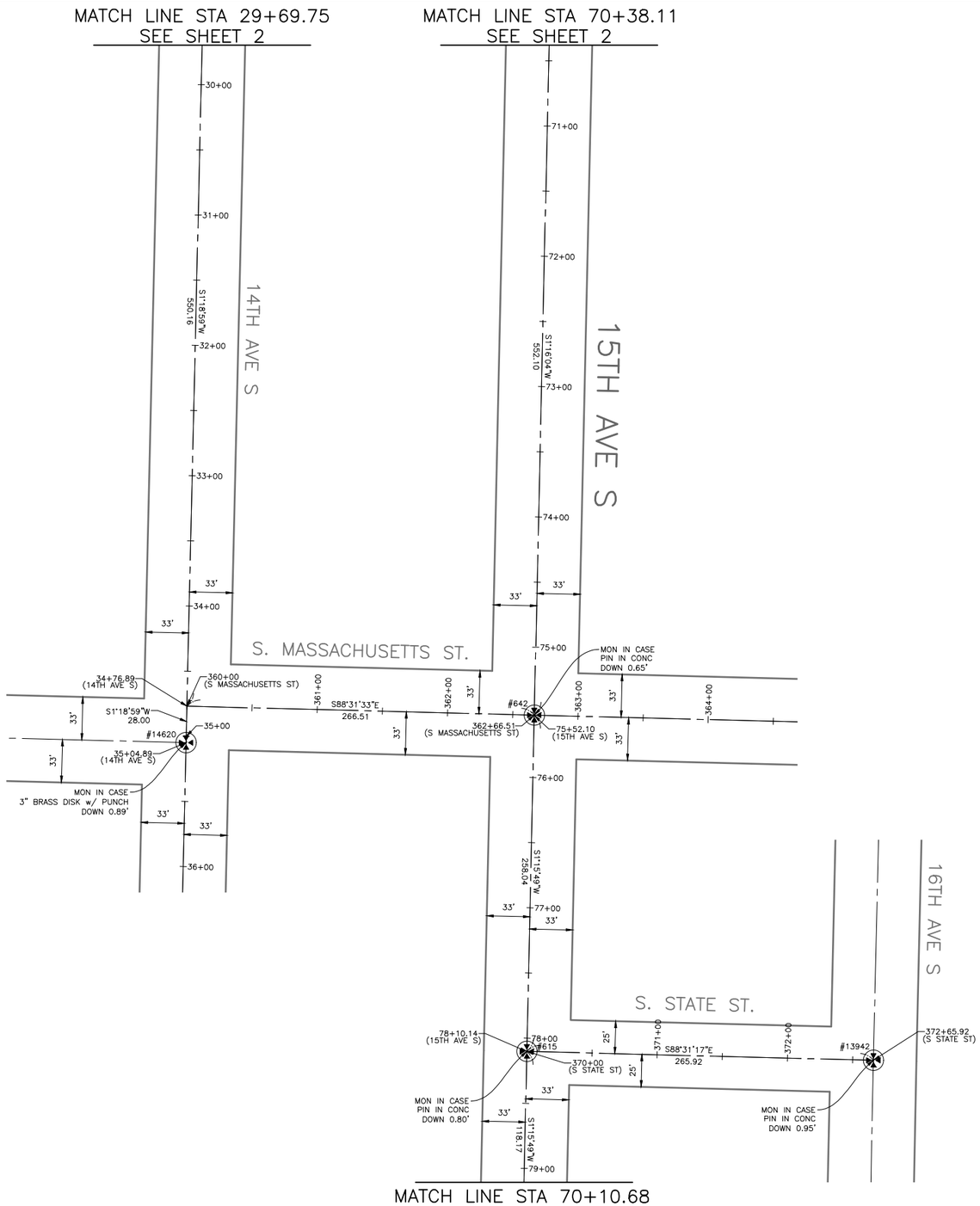
JAMES L. PURKEY STATE OF WASHINGTON 33148 REGISTERED PROFESSIONAL LAND SURVEYOR 7/11/2022

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI #
SV2
SHEET 4 OF 100



MATCH LINE STA 70+10.68
SEE SHEET 4

Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
615	217914.29	1275102.78	266.07	MIC
642	218172.26	1275108.47	267.16	MIC
13942	217907.43	1275368.61	262.94	MIC
14620	218151.13	1274841.40	322.50	MIC

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PERez & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

VAULT	SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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INITIALS AND DATE	
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CHECKED	JP

INITIALS AND DATE	
REVIEWED:	
DES:	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0–02.3 OF THE PROJECT MANUAL.

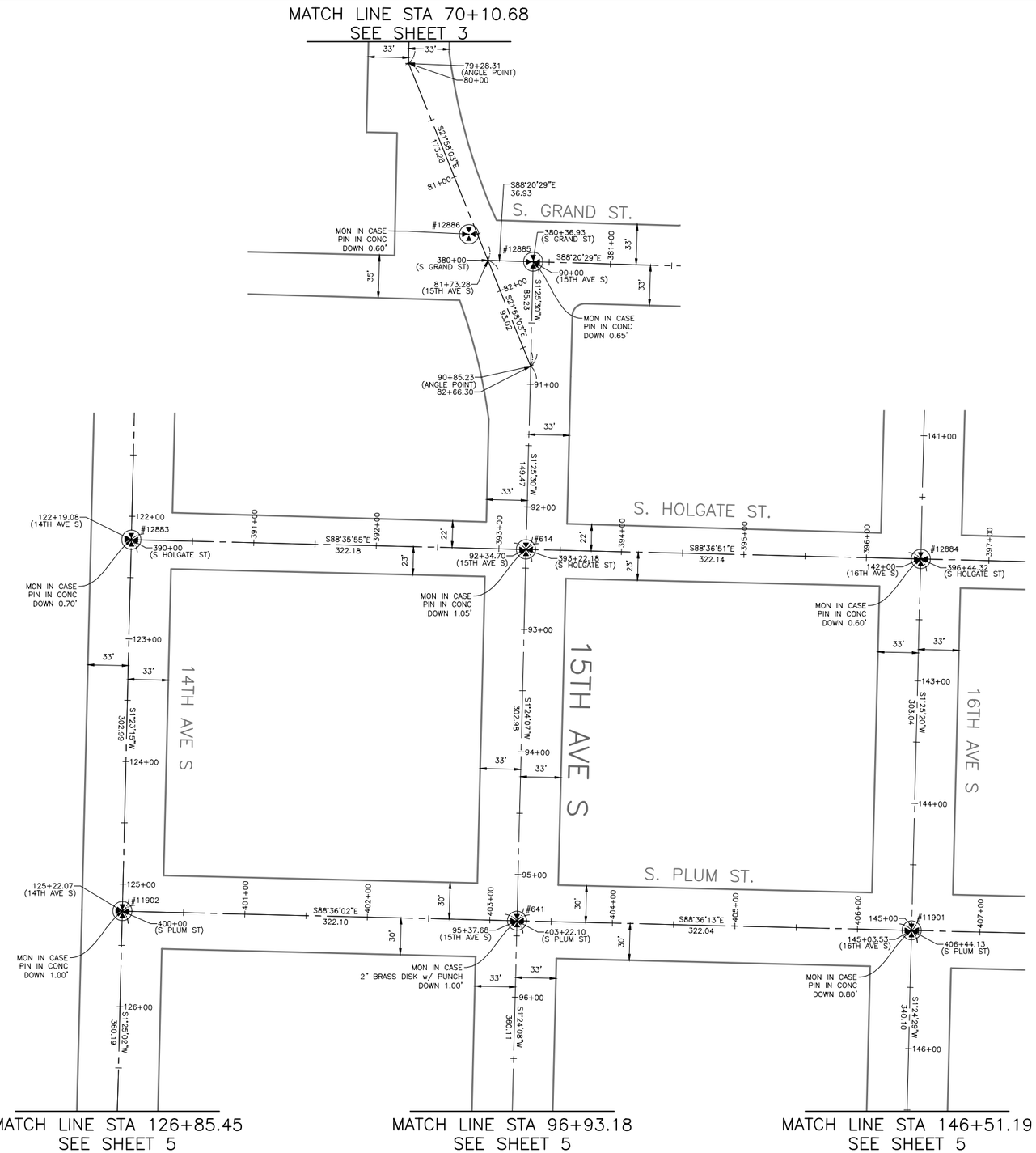
JAMES L. PURKEY — STATE OF WASHINGTON — 23148 — REGISTERED PROFESSIONAL LAND SURVEYOR — 7/11/2022

Seattle Department of Transportation

ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI # SV3
SHEET 5 OF 100



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
614	217399.76	1275196.07	262.42	MIC
641	217096.87	1275188.66	264.55	MIC
11901	217089.02	1275510.60	261.28	MIC
11902	217104.73	1274866.66	313.94	MIC
12883	217407.64	1274873.99	318.85	MIC
12884	217391.97	1275518.12	258.67	MIC
12885	217634.38	1275201.91	262.81	MIC
12886	217656.87	1275149.46	262.92	MIC

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PEREZ & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

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CHECKED	
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CHECKED	JP

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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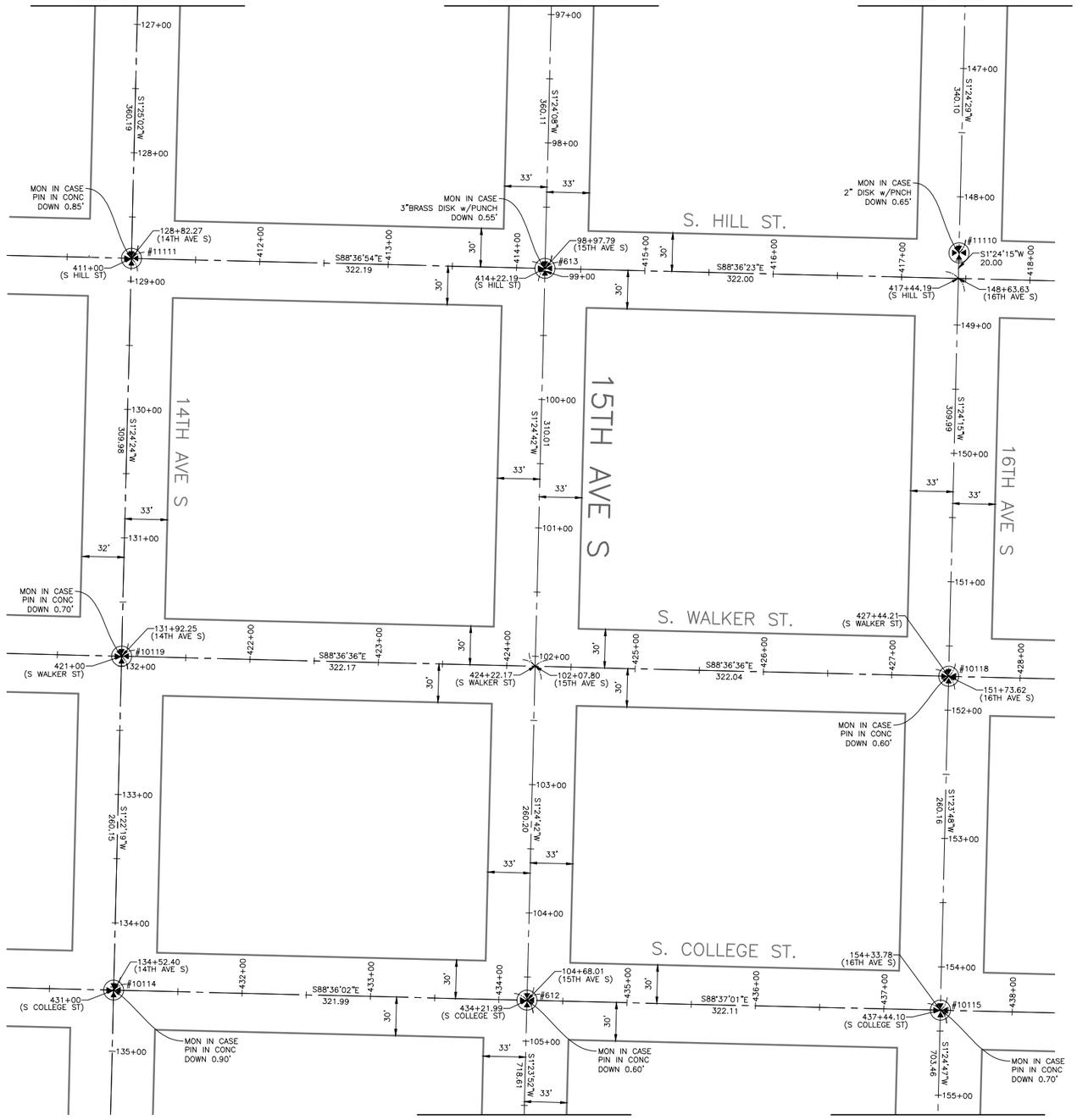
JAMES L. PURKEY · STATE OF WASHINGTON · 33148 · REGISTERED PROFESSIONAL LAND SURVEYOR · 6/21/2022

Seattle Department of Transportation

ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI # SV4
SHEET 6 OF 100



MATCH LINE STA 105+57.21
SEE SHEET 6

MATCH LINE STA 155+15.21
SEE SHEET 6

Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
612	216166.82	1275165.80	282.82	MIC
613	216736.86	1275179.85	274.23	MIC
10114	216174.69	1274843.91	291.98	MIC
10115	216159.05	1275487.81	249.47	MIC
10118	216419.13	1275494.16	254.41	MIC
10119	216434.76	1274850.14	298.15	MIC
11110	216749.03	1275502.24	258.57	MIC
11111	216744.65	1274857.75	306.22	MIC

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PEREZ & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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CHECKED	JP

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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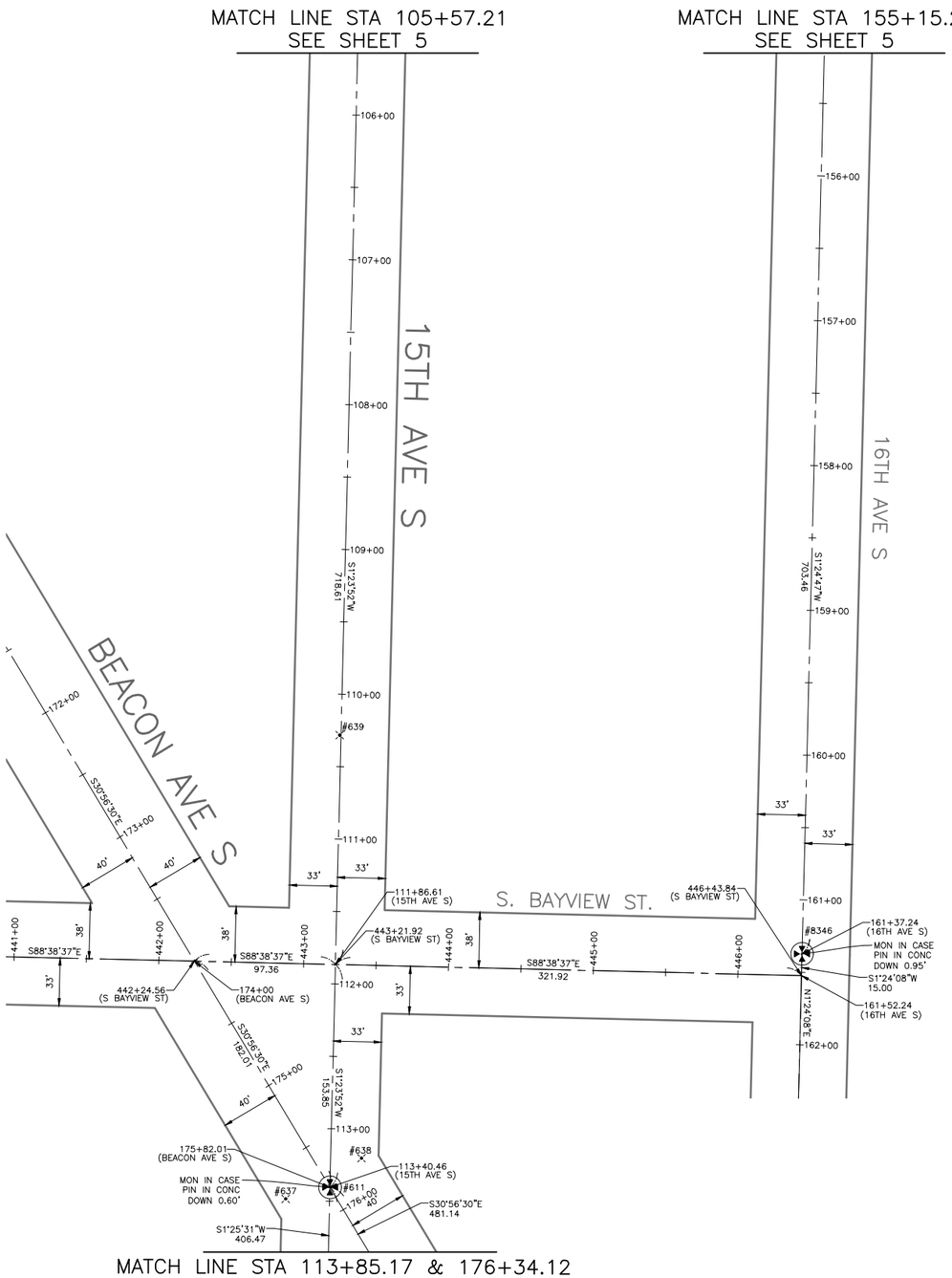
JAMES L. PURKEY STATE OF WASHINGTON 33148 REGISTERED PROFESSIONAL LAND SURVEYOR 6/21/2022

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI #
SV5
SHEET 7 OF 100



Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
637	215286.67	1275113.94	286.43	MAG NAIL
638	215314.71	1275166.30	287.67	MAG NAIL
639	215606.82	1275151.21	285.14	MAG NAIL

Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
611	215294.62	1275144.51	287.42	MIC
8346	215455.80	1275470.47	279.23	MIC

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PERez & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

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BY: . . . . . PURCHASING & CONTRACTING

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CHECKED	JP

INITIALS AND DATE	
REVIEWED:	
DES:	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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JAMES L. PURKEY · STATE OF WASHINGTON · 33148 · REGISTERED PROFESSIONAL LAND SURVEYOR · 7/31/2023

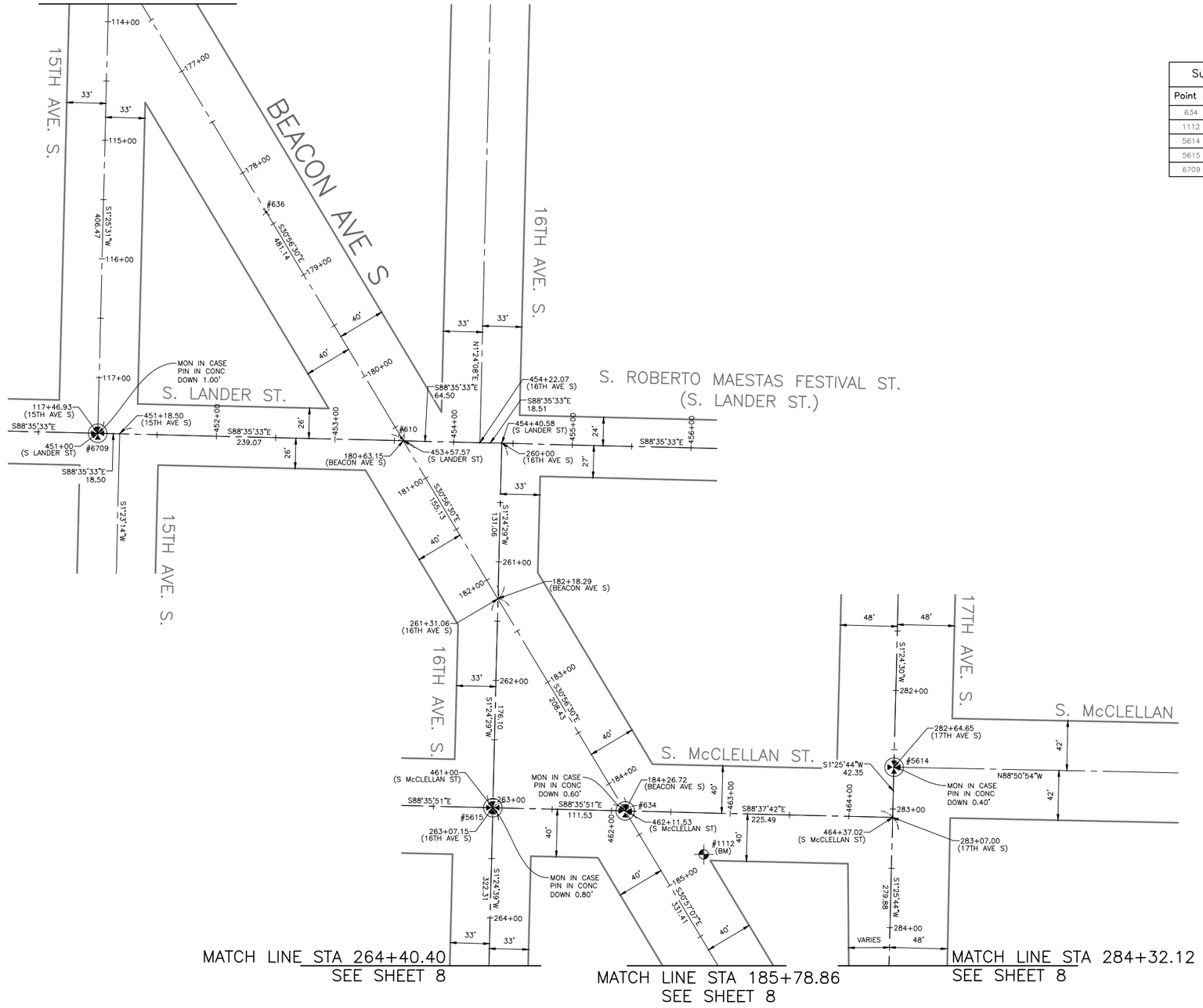
Seattle Department of Transportation

ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI #
SV6
SHEET 8 OF 100

MATCH LINE STA 113+85.17 & 176+34.12
SEE SHEET 6



MATCH LINE STA 264+40.40
SEE SHEET 8

MATCH LINE STA 185+78.86
SEE SHEET 8

MATCH LINE STA 284+32.12
SEE SHEET 8

Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
634	214570.12	1275578.83	292.80	MIC
1112	214533.52	1275645.00	293.33	BM
5614	214607.06	1275805.32	291.12	MIC
5615	214572.85	1275467.34	292.17	MIC
6709	214888.28	1275134.40	285.29	MIC

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
610	214884.52	1275390.27	292.53	MAG NAIL
636	215074.57	1275276.41	290.60	MAG NAIL

N

50 25 0 50 100
SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PERES & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

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INITIALS AND DATE	
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CHECKED	
DRAWN	CH
CHECKED	JP

INITIALS AND DATE		
REVIEWED:		
DES.		CONST.
SDOT		PROJ. MGR.
RECEIVED		
REVISED AS BUILT		

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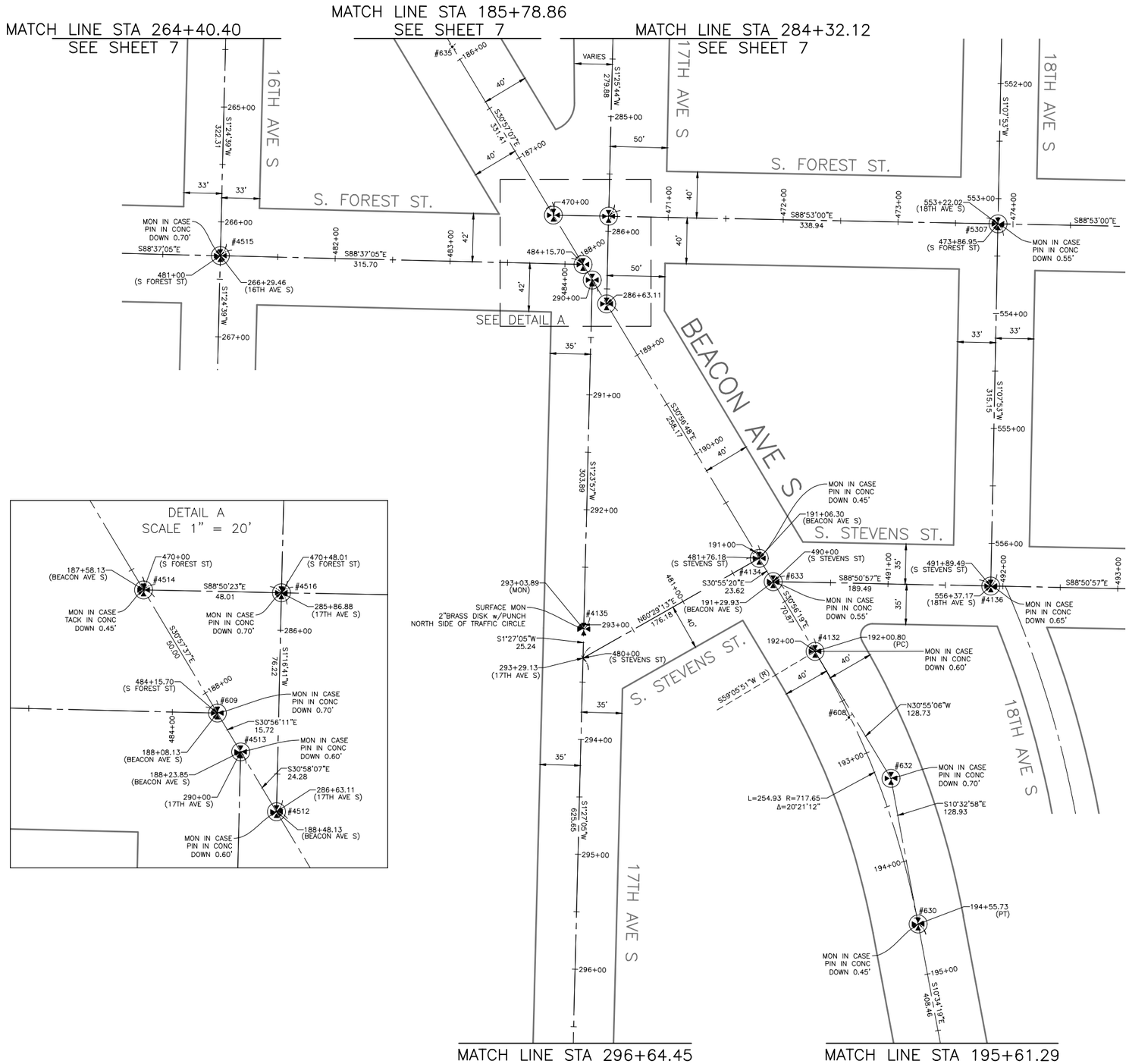
JAMES L. PURKEY
STATE OF WASHINGTON
33148
REGISTERED PROFESSIONAL LAND SURVEYOR
7/21/2022

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB: PC / CO
VPI #
SV7
SHEET 9 OF 100



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
609	214243.03	1275775.01	294.11	MIC
630	213669.07	1276066.67	297.11	MIC
632	213795.81	1276043.06	295.65	MIC
633	213967.04	1275940.48	294.84	MIC
4132	213906.25	1275976.92	295.01	MIC
4134	213987.30	1275928.34	294.93	MIC
4135	213925.75	1275775.67	296.53	MON
4136	213963.23	1276129.94	290.29	MIC
4512	214208.72	1275795.58	294.16	MIC
4513	214229.54	1275783.09	294.25	MIC
4514	214285.90	1275749.28	294.11	MIC
4515	214250.64	1275459.40	293.13	MIC
4516	214284.93	1275797.28	293.60	MIC
5307	214278.32	1276136.16	284.41	MIC

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
608	213848.81	1276006.42	296.13	MAG NAIL
635	214432.46	1275661.31	293.85	MAG NAIL

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PERES & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

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SDOT	PROJ. MGR.
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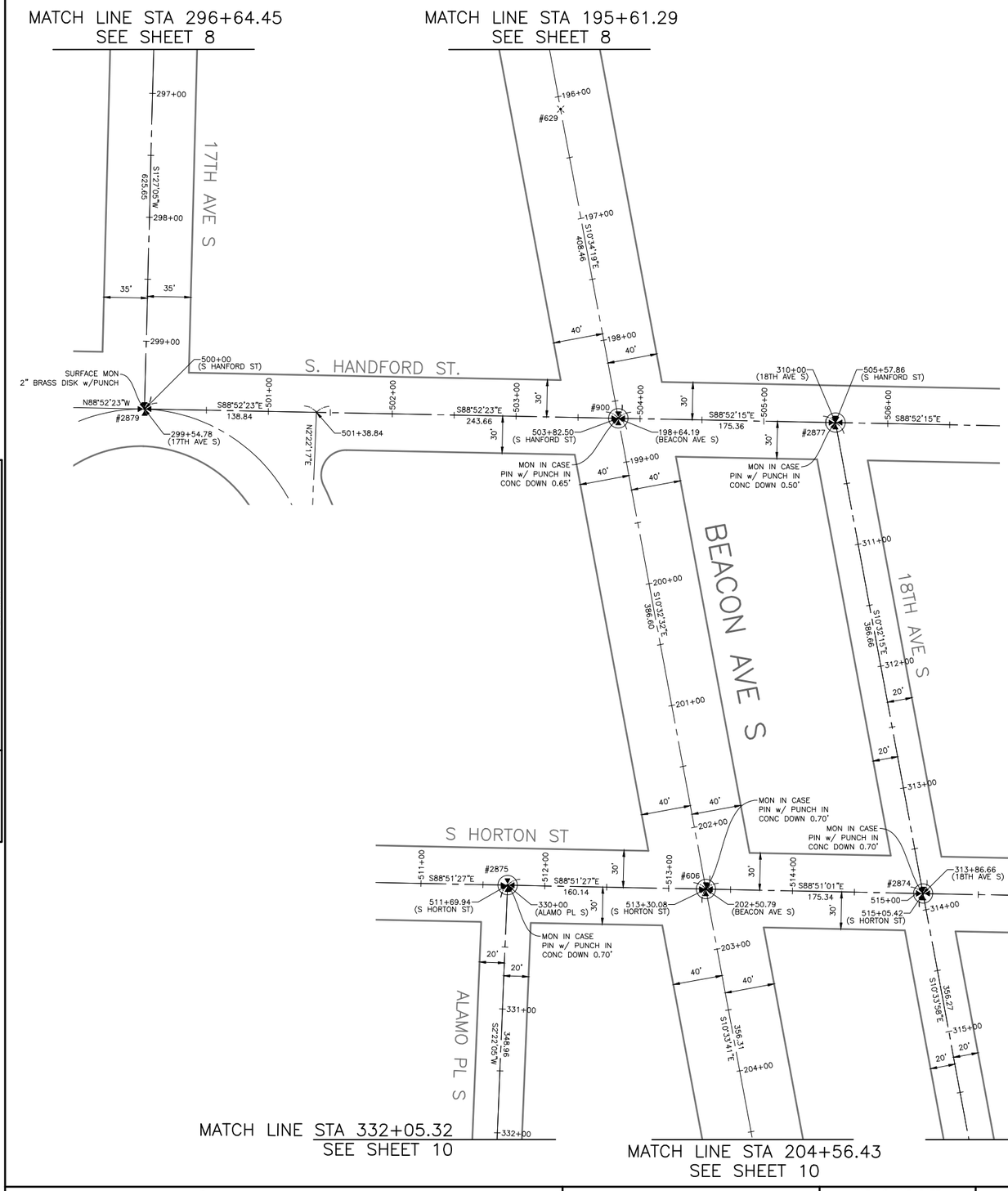
JAMES L. PURKEY STATE OF WASHINGTON 33148 REGISTERED PROFESSIONAL LAND SURVEYOR 7/31/2023

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI # SV8
SHEET 10 OF 100



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
606	212887.47	1276212.34	303.26	MIC
900	213267.54	1276141.61	299.21	MIC
2874	212883.95	1276387.64	309.18	MIC
2875	212890.66	1276052.24	302.20	MIC
2877	213264.09	1276316.93	303.48	MIC
2879	213275.07	1275759.18	300.41	MON

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
629	213517.15	1276095.09	298.42	MAG NAIL

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
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901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

SNV–2597, BRASS CAP 0.9FT N & 1FT W OF THE ANGLE POINT INT BK CW IN THE SE COR INT OF BEACON AVE S AND S McCLELLAN ST. ELEVATION=293.334

PROJECT NAME: BEACON AVE S BIKE LANES

PROJECT SURVEYOR: J. PURKEY

PRIMARY CREW: C. HJORTEN, J. PERES & J. JONES

OFFICE TECH: C. HJORTEN

R/W CREATED BY: J. PURKEY

DATE: 6–8–2022

GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

SURVEY CONTROL PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

WHPacific
AN NV5 COMPANY
19201 120th Ave NE, Ste 201
Bothell, WA 98011
425-951-4800 Fax 425-951-4808

APPROVED FOR ADVERTISING
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
BY: . . . . . PURCHASING & CONTRACTING

INITIALS AND DATE	
DESIGNED	
CHECKED	
DRAWN	CH
CHECKED	JP

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0–02.3 OF THE PROJECT MANUAL.

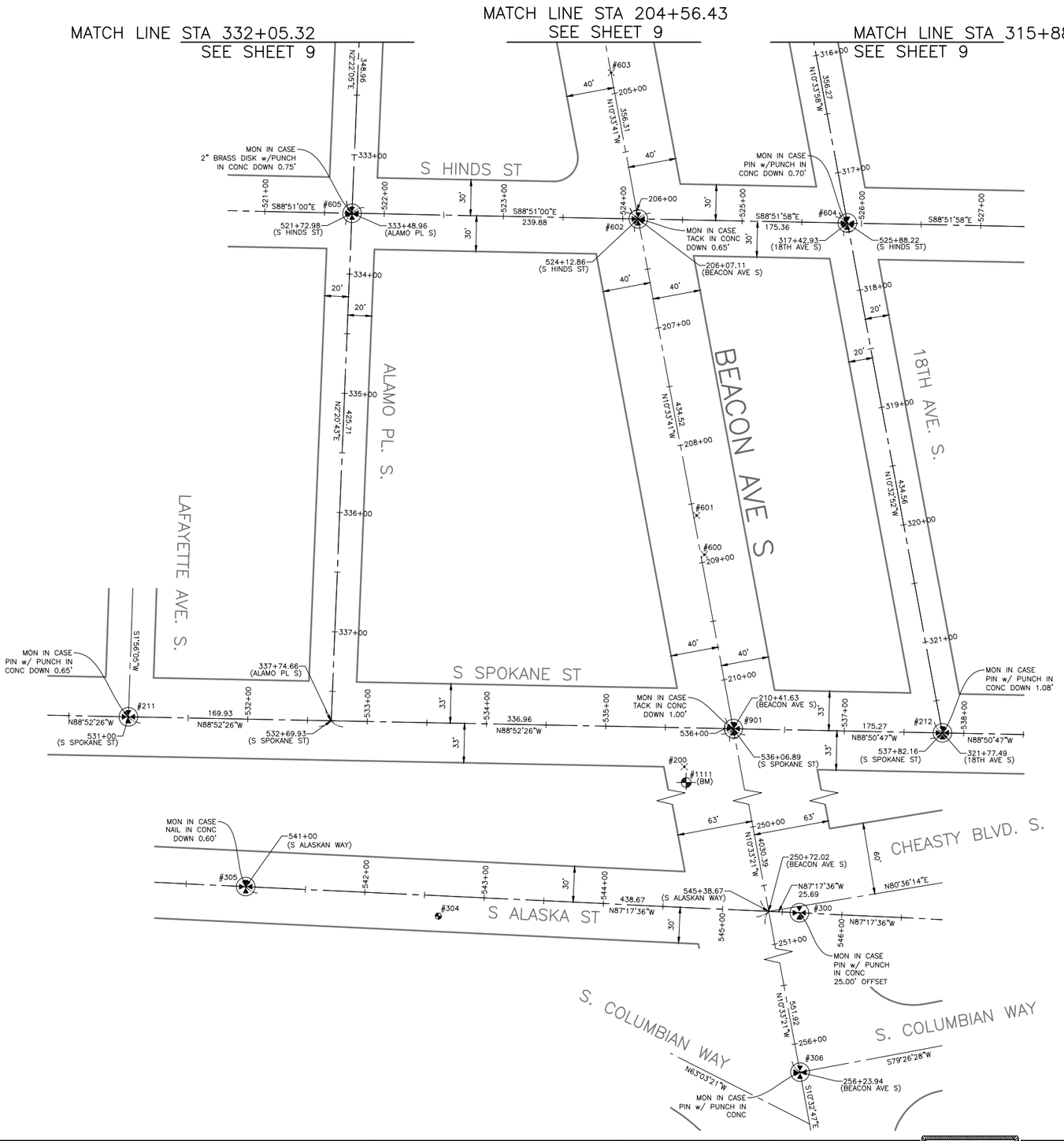
JAMES L. PURKEY · STATE OF WASHINGTON · 23148 · REGISTERED PROFESSIONAL LAND SURVEYOR · 7/31/2023

Seattle Department of Transportation

ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

JOB PC CO
VPI #
SV9
SHEET 11 OF 95



Survey Monument Preservation Table				
Point #	Northing	Easting	Elevation	Description
211	212119.99	1275850.50	299.69	MIC
212	212106.50	1276532.52	312.32	MIC
300	208146.63	1277121.30	313.12	MIC
305	208168.56	1276657.46	315.34	MIC
306	207605.27	1277196.75	301.83	MIC
602	212537.19	1276277.65	307.47	MIC
604	212533.72	1276452.97	310.93	MIC
605	212542.00	1276037.82	306.48	MIC
901	212110.03	1276357.29	309.21	MIC
1111	212064.92	1276317.84	309.41	BM

Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
200	212078.12	1276316.25	309.65	PK NAIL
304	208143.84	1276818.85	316.00	REBAR/CAP
600	212255.93	1276333.06	309.26	MAG NAIL
601	212288.74	1276326.68	309.09	MAG NAIL
603	212659.71	1276255.05	306.77	MAG NAIL

N

50 25 0 50 100

SCALE IN FEET

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010 DERIVED FROM THE WSRN AND NGS CORS GPS POINTS 900 (MON AT INTERSECTION OF BEACON AVE. S. & S. SPOKANE ST.) & 901 (MON AT INTERSECTION OF BEACON AVE. S. & S. HANFORD ST.)

BASIS OF BEARINGS: WASHINGTON STATE PLANE COORDINARE SYSTEM, NORTH ZONE

Survey Control Point Table		
Point #	Northing	Easting
900	213267.54	1276141.61
901	212110.03	1276357.29

PROJECT SCALE FACTOR: 0.99998736

CONVERGENCE ANGLE: –1.09810556

PROJECT COMBINED GRID FACTOR: 0.99997630

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARK: NAVD88
SNV–2601, BRASS CAP 0.5FT N & 0.5FT E OF THE INT BK CW IN THE SW COR INT OF BEACON AVE S AND S SPOKANE ST, SOUTH OF A CATCH BASIN AT SFD STATION #13. ELEVATION=309.409

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GEOREGISTRATION NOTES: SE 1/4 OF SEC. 5, NE 1/4 & SE 1/4 OF SEC. 8, SW 1/4 OF SEC. 9, AND NW 1/4 OF SEC. 16, T. 24 N., R. 4 E., W.M.

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CHECKED	DES. CONST.
	SDOT PROJ. MGR.
DRAWN CH	RECEIVED
CHECKED JP	REVISED AS BUILT

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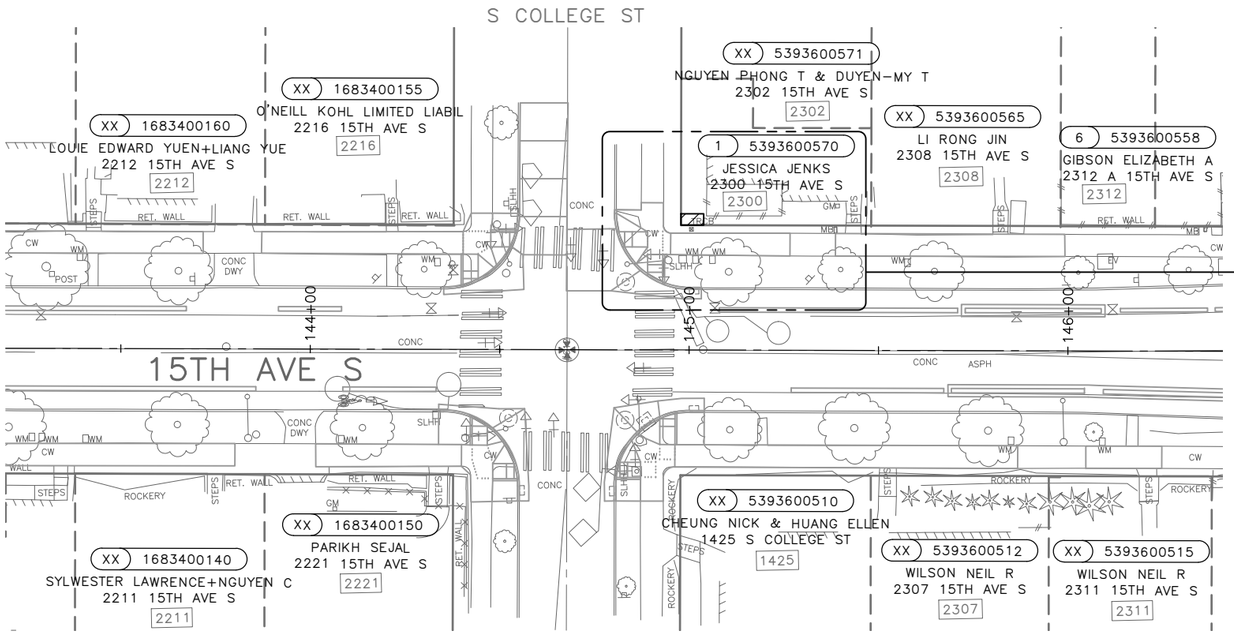
JAMES L. PURKEY, STATE OF WASHINGTON, 33148, REGISTERED PROFESSIONAL LAND SURVEYOR, 7/21/2022

Seattle Department of Transportation
ORDINANCE NO. Ordinance Number PW NO.
FUND: Fund
SCALE: 1" = 50'

BEACON AVE. S. AND 15TH AVE. S. SAFETY PROJECT

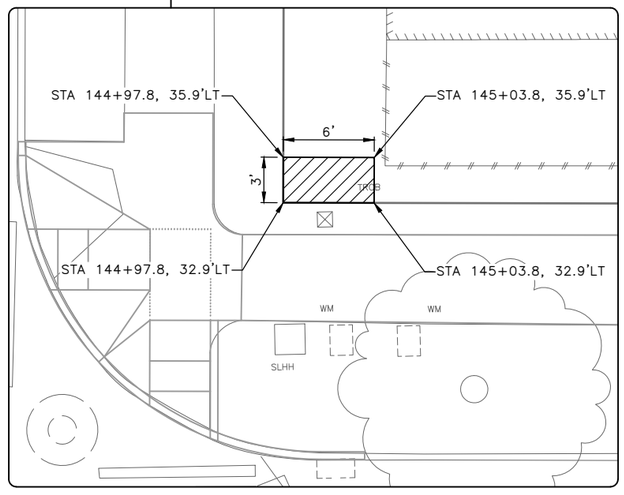
JOB: PC / CO
VPI #
SV10
SHEET 12 OF 95

QUARTER:NE SECTION:8 TOWNSHIP:24 RANGE:04



LEGEND:

- COMPENSABLE TEMPORARY CONSTRUCTION EASEMENT
- MUTUAL BENEFIT TEMPORARY CONSTRUCTION EASEMENT
- R/W — (RIGHT OF WAY LINE)
- (PROPERTY LOT LINE)
- CL — (CENTERLINE)
- 1 1234567890 — PROJECT PARCEL NUMBER / TAX PARCEL NUMBER



ROW TABLE

PROJECT PARCEL NUMBER	SHEET	PARCEL NUMBER	PARCEL ADDRESS	OWNERSHIP (TAXPAYER)	OWNERSHIP TOTAL AREA (SF)	FEE (SF)	COMPENSABLE TEMPORARY CONSTRUCTION EASEMENT (SF)	TOTAL TEMPORARY CONSTRUCTION EASEMENT (SF)	REMAINDER (SF)
1	RW1	5393600570	2300 15TH AVE S	JENKS, JESSICA	1543		18	18	1543

N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

RIGHT OF WAY

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INITIALS AND DATE: DESIGNED, CHECKED, DRAWN, CHECKED
INITIALS AND DATE: REVIEWED: DES. CONST. SDOT PROJ. MGR.; RECEIVED; REVISED AS BUILT

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LAURENTIU DIDSCHUC — STATE OF WASHINGTON — 55448 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
RW1
SHEET 13 OF 100

VAULT SERIAL NO. | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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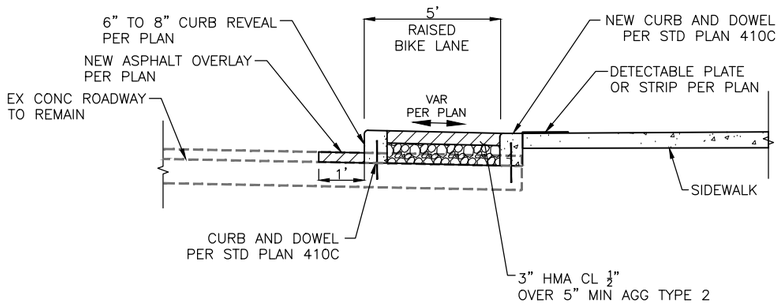
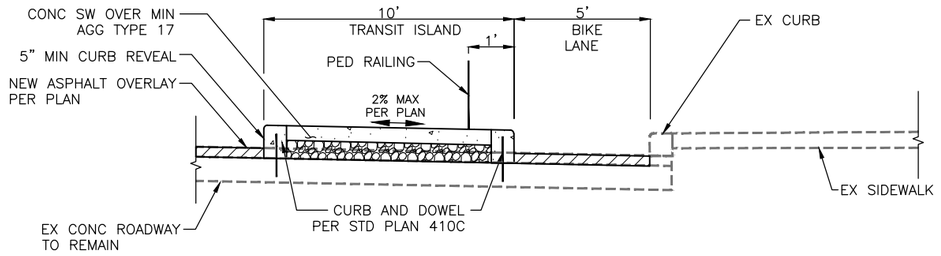
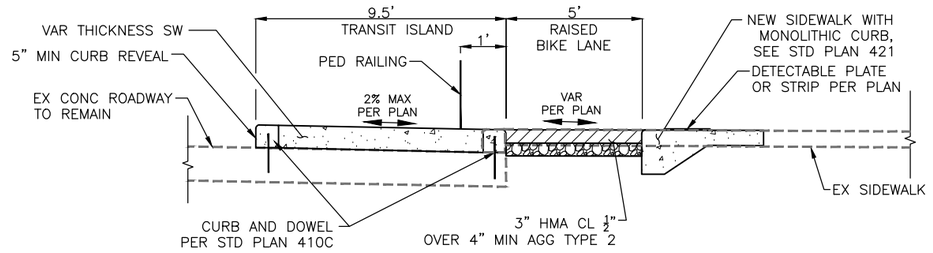


SECTION C–C
NTS



SECTION B–B
NTS



SECTION A–A
NTS

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

TYPICAL ROADWAY SECTIONS

NATURE	MADE	CHK'D	REV'D
REVISIONS			

MARK	DATE	VAULT SERIAL NO.

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STATE OF WASHINGTON
55448
REGISTERED
PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023-028

SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

RS1

SHEET 14 OF 100

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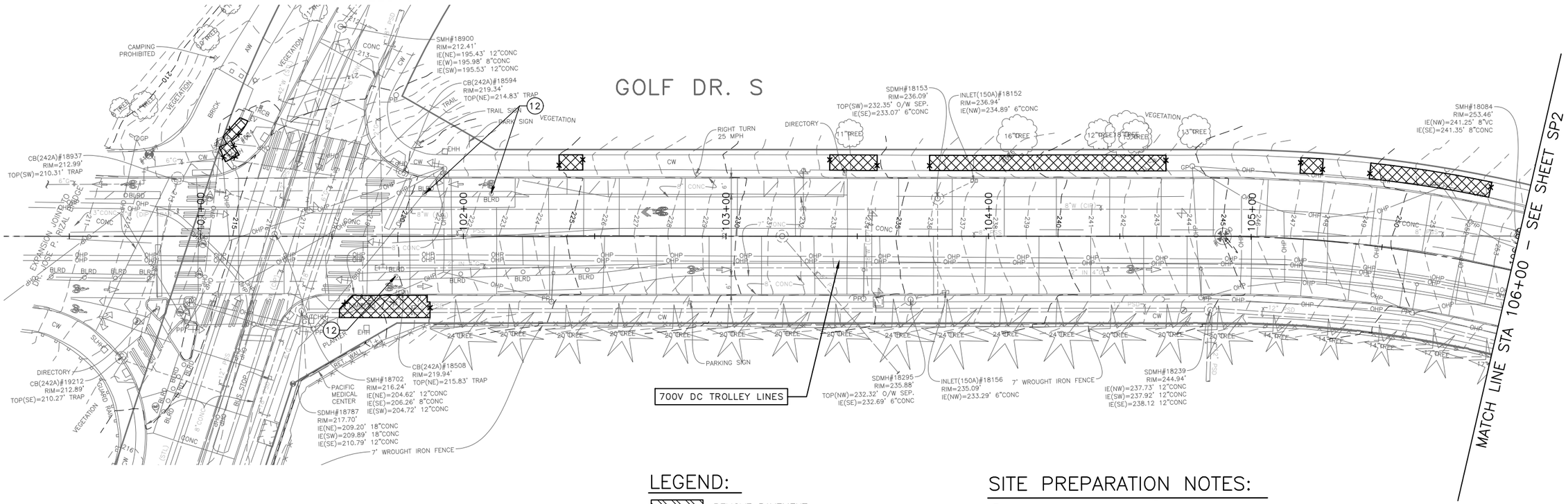

LEGEND:

- REMOVE PAVEMENT
- REMOVE SIDEWALK
- REMOVE ASPHALT OVERLAY
- PLANE BITUMINOUS PAVEMENT 2" OR TO BASE, WHICHEVER IS LESS
- CLEAR AND GRUB, AND COMMON EX.
- REMOVE CURB
- SAWCUT RIGID PAVEMENT, FULL DEPTH
- SAWCUT ASPHALT OVERLAY
- SAWCUT CEM CONC SIDEWALK, FULL DEPTH
- VIBRATION MONITORING. SEE NOTE 7

GENERAL NOTES

1. EXTENTS OF TREE PROTECTION AND DRIPLINE TO BE DETERMINED DURING TVSPP.
2. EXACT REMOVAL LIMITS TO BE DETERMINED BASED ON PAVING LIMITS. SEE PV SHEETS.
3. FOR REMOVAL AND RELOCATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS, SEE CHANNELIZATION SHEETS

SITE PREPARATION NOTES:

1. ADJUST EX MH, CB OR VC. SEE SECTION 7–20.3(1)
2. REMOVE CURB
3. ADJUST EX HANDHOLE
4. ADJUST EX VALVE BOX
5. REMOVE CB (SEE SD SHEETS)
6. REMOVE INLET AND CONNECTION PIPE (SEE SD SHEETS)
7. VIBRATION MONITORING REQUIRED FOR PAVEMENT REMOVAL WITHIN 10 FEET HORIZONTALLY OF CAST IRON WATER MAIN. SEE SECTION 1–07.16(1)B
8. TREE TRIMMING. SEE SECTION 8–02.3(7)A
9. TREE ROOT PRUNING. SEE SECTION 8–02.3(23)
10. RELOCATE/ADJUST WATER METER BOX TO BACK OF CURB (BY SPU)
11. VERTICAL BUTT JOINT. SEE SECTION 5–04.3(10)B
12. REMOVE PLASTIC CURB AND POST
13. RELOCATE CONC WHEEL STOP
14. RELOCATE BIKE RACK
15. SAWCUT 3" MAX FROM FACE OF CURB (SEE DETAIL 5 ON PVDT2)
16. REMOVE SPEED CUSHION HUMP

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

SITE PREPARATION

NATURE REVISIONS	MADE	CHK'D	REV'D
VAULT SERIAL NO.	DATE	MARK	

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SDOT	PROJ. MGR.
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LAURENTIU DESCHIU STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023–028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP1
SHEET 15 OF 100

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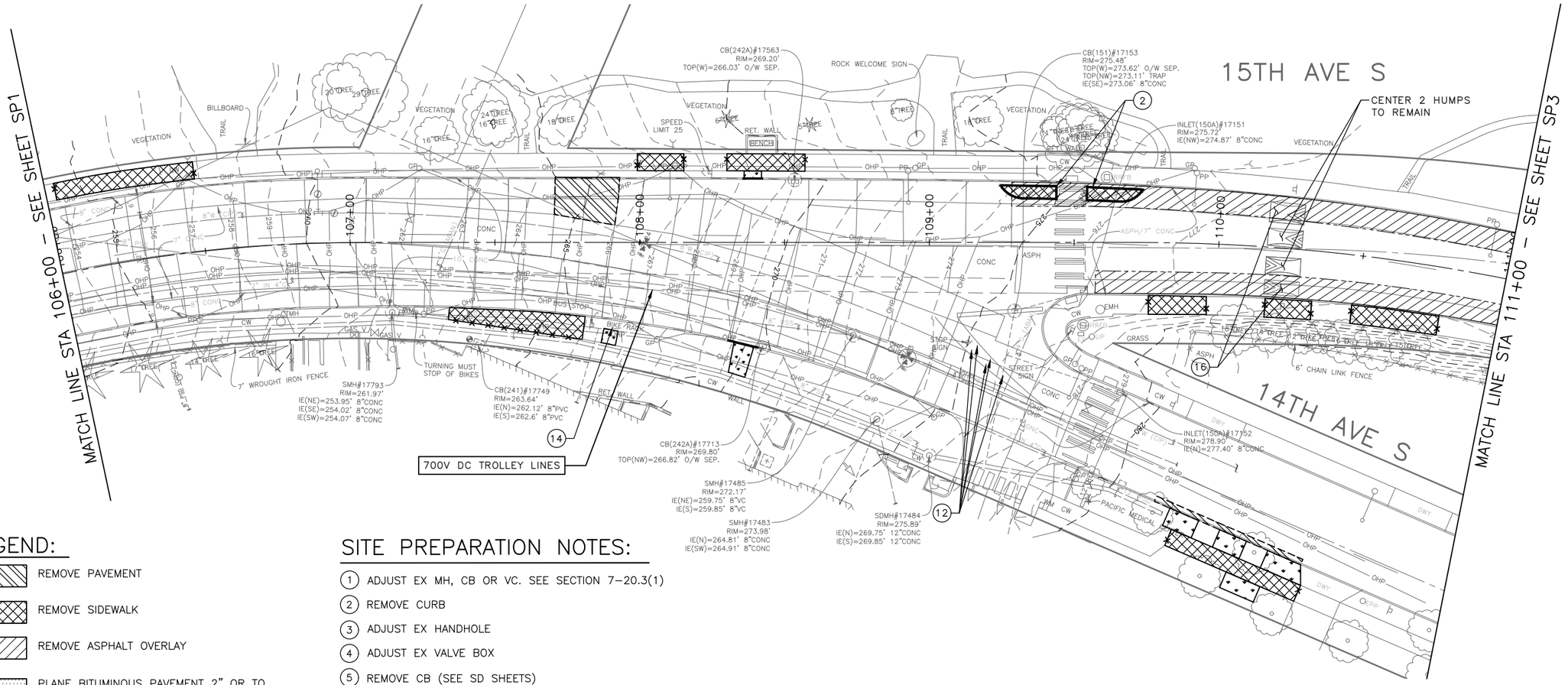

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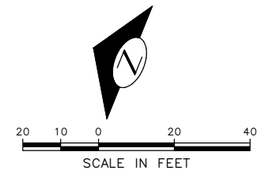

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

SITE PREPARATION

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ORDINANCE NO. PW NO. 2023–028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP2
SHEET 16 OF 100

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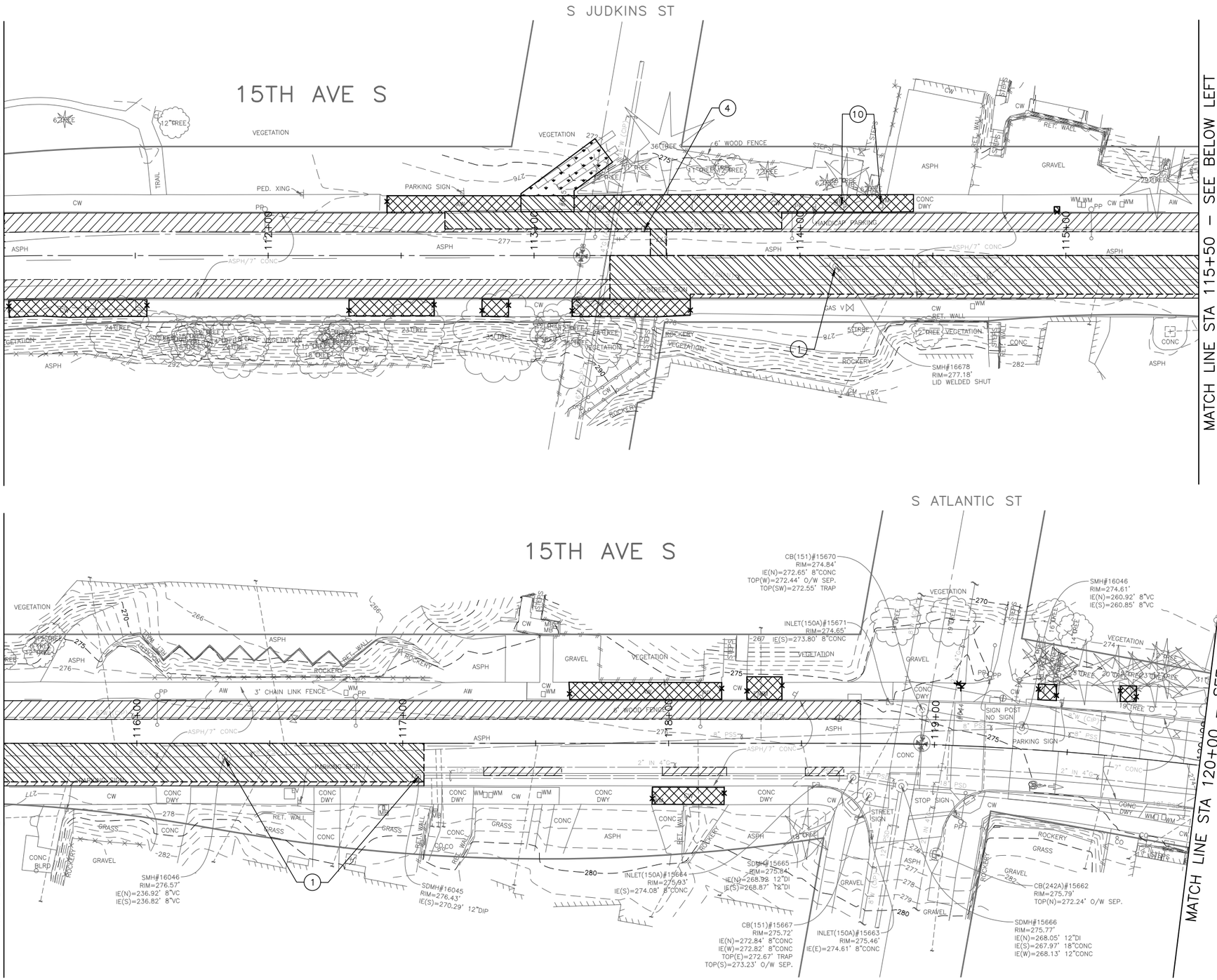

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N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

SITE PREPARATION

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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LAURENTIU DUSCHITC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP3
SHEET 17 OF 100

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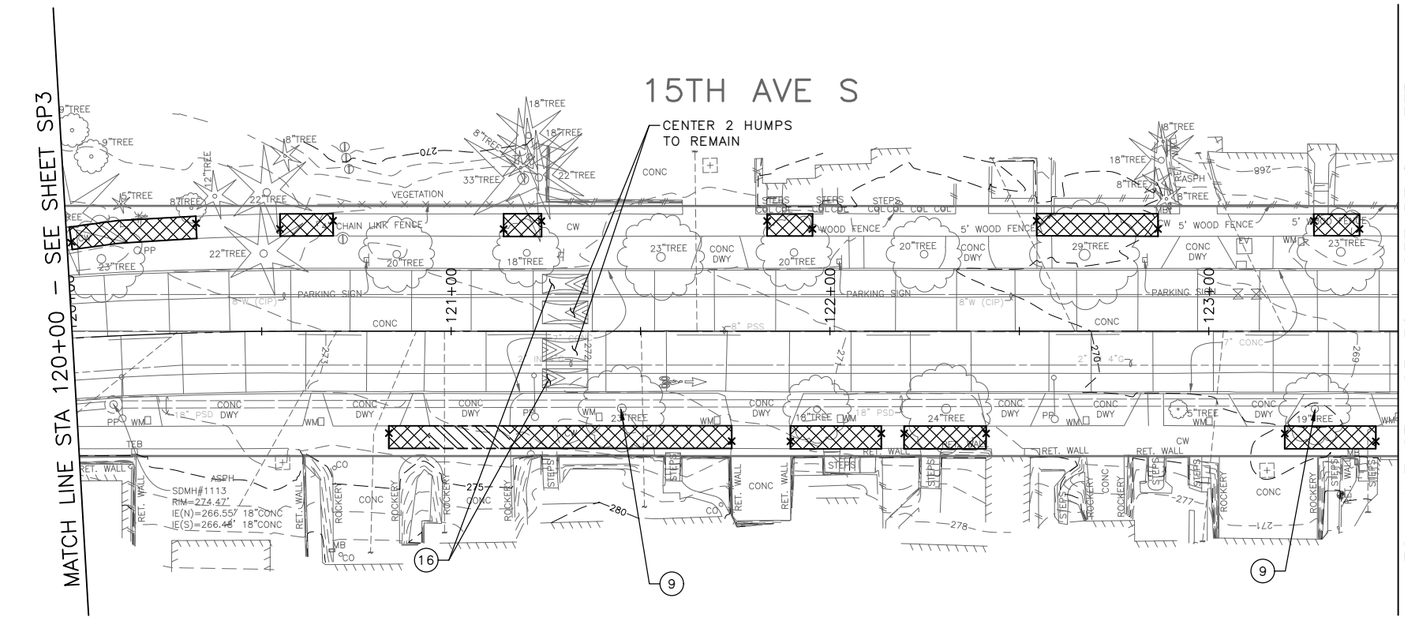

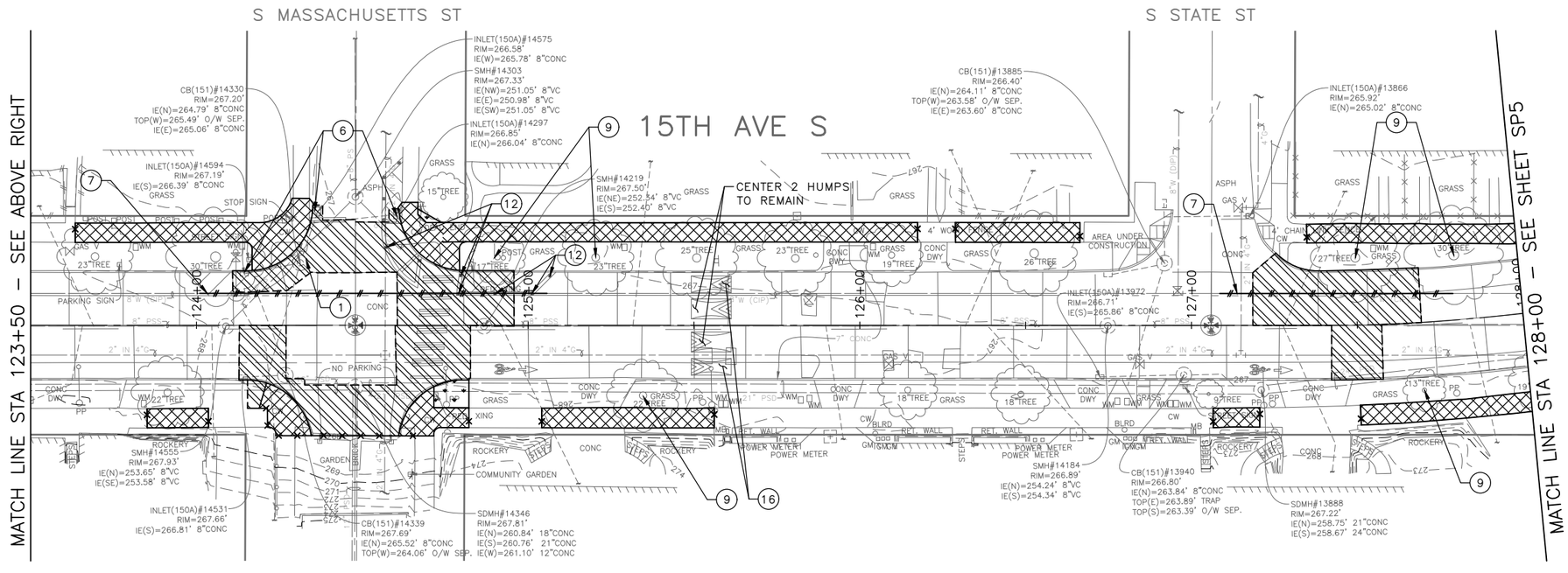

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N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

SITE PREPARATION

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
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PURCHASING AND CONTRACTING

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	SDOT PROJ. MGR.
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LAURENTIU DISCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP4
SHEET 18 OF 100

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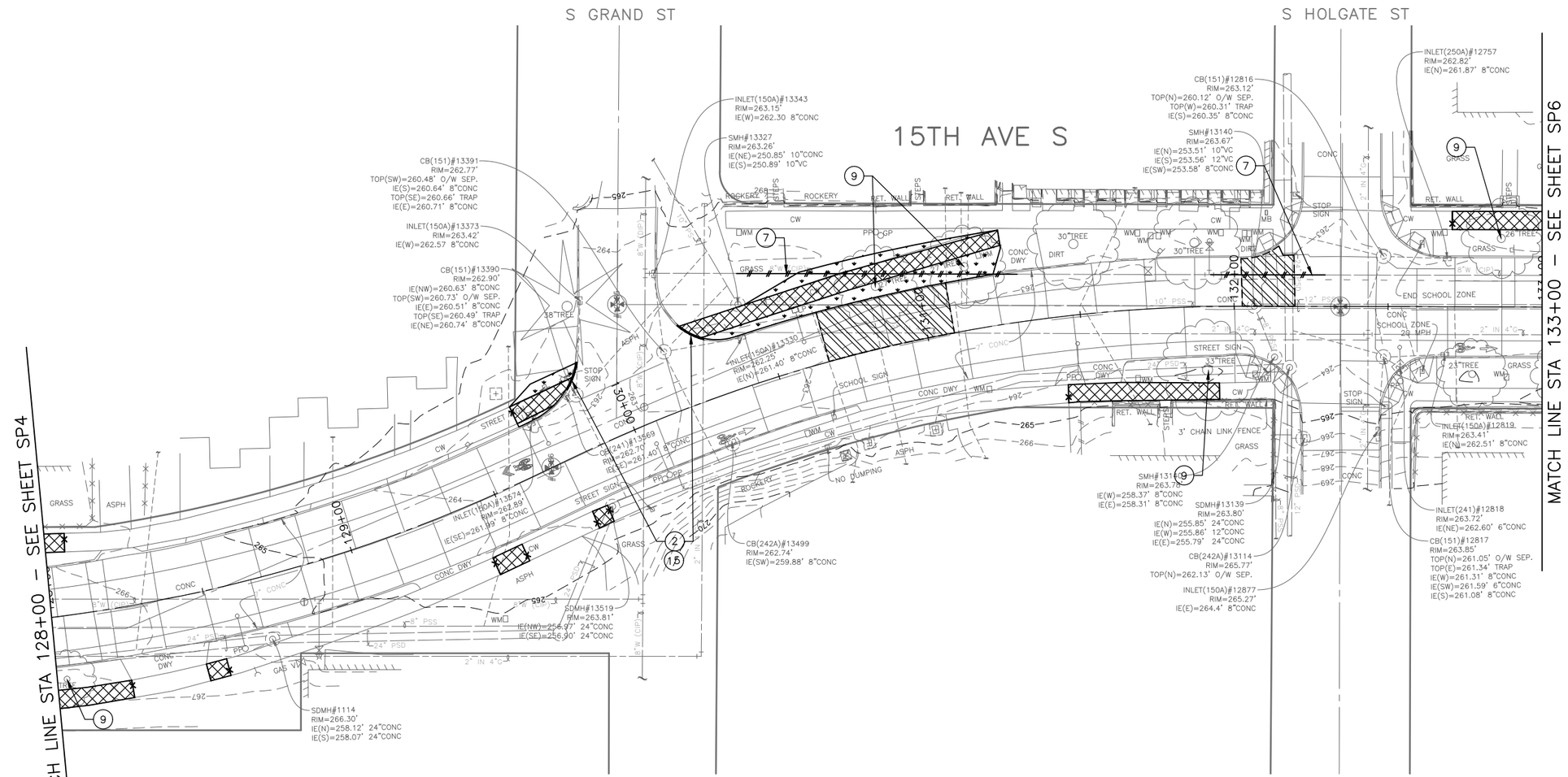

LEGEND:

- REMOVE PAVEMENT
- REMOVE SIDEWALK
- REMOVE ASPHALT OVERLAY
- PLANE BITUMINOUS PAVEMENT 2" OR TO BASE, WHICHEVER IS LESS
- CLEAR AND GRUB, AND COMMON EX.
- REMOVE CURB
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- VIBRATION MONITORING. SEE NOTE 7

SITE PREPARATION NOTES:

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12. REMOVE PLASTIC CURB AND POST
13. RELOCATE CONC WHEEL STOP
14. RELOCATE BIKE RACK
15. SAWCUT 3" MAX FROM FACE OF CURB (SEE DETAIL 5 ON PVDT2)
16. REMOVE SPEED CUSHION HUMP

GENERAL NOTES

1. EXTENTS OF TREE PROTECTION AND DRIPLINE TO BE DETERMINED DURING TVSPP.
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JOB PC TRC1059 CO TRC1059

VPI #

SP5

SHEET 19 OF 100

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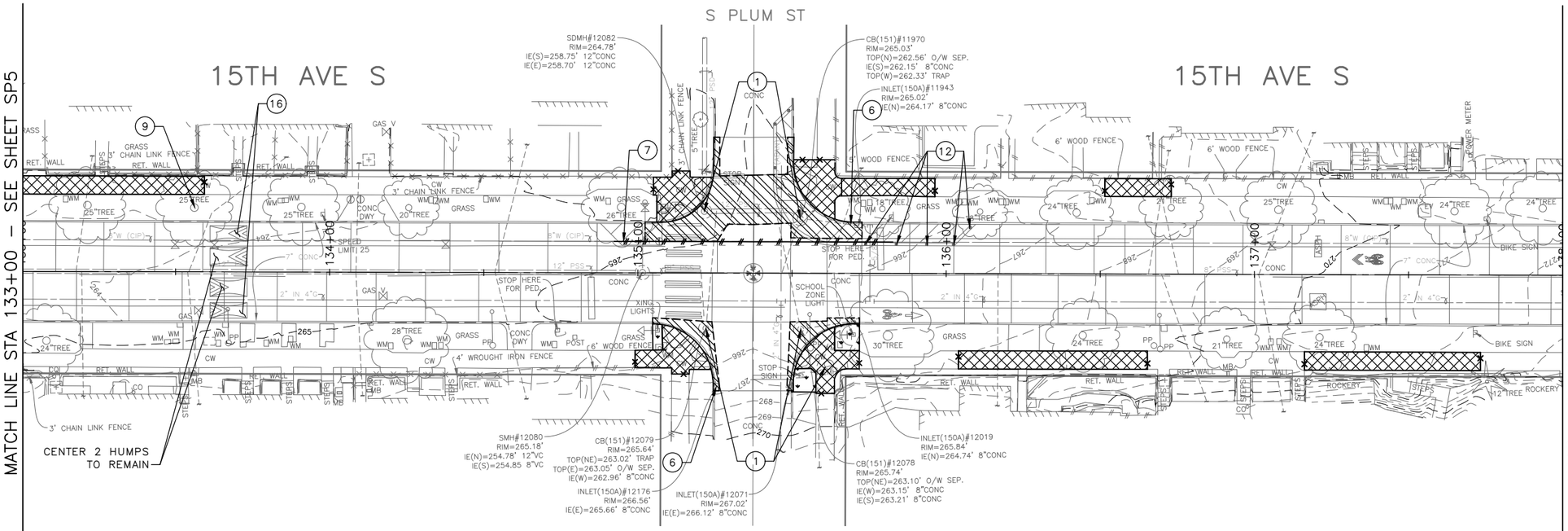

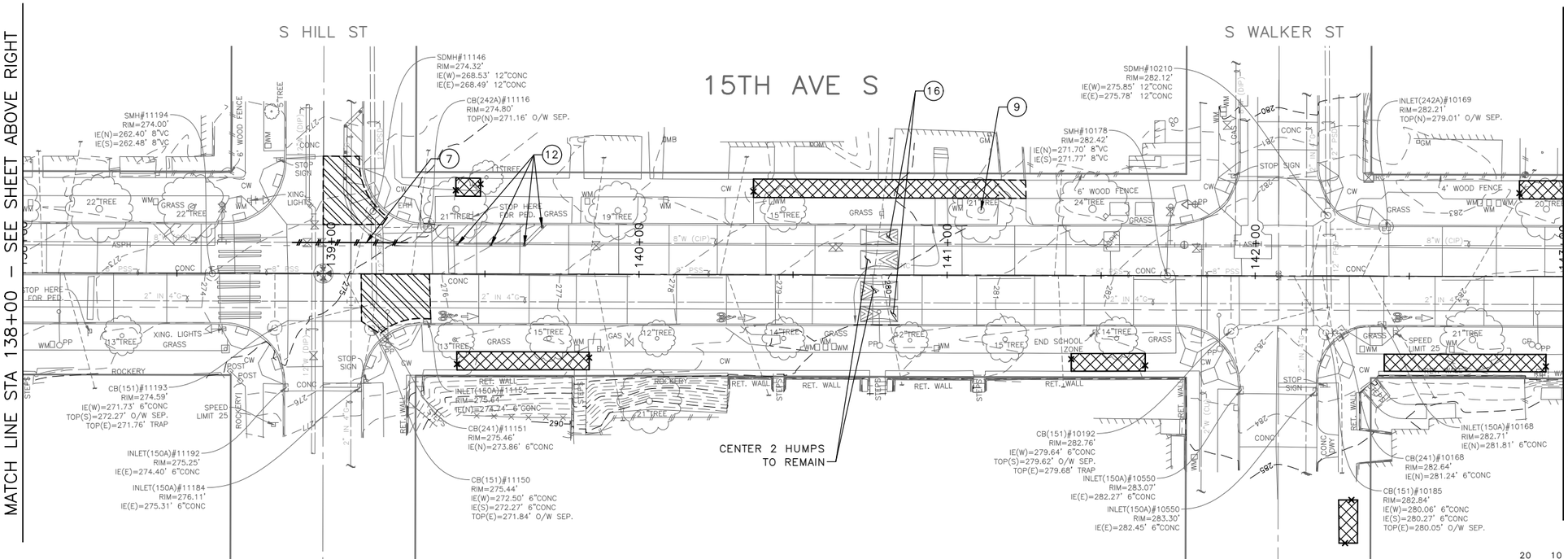

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VPI #
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SHEET 20 OF 100

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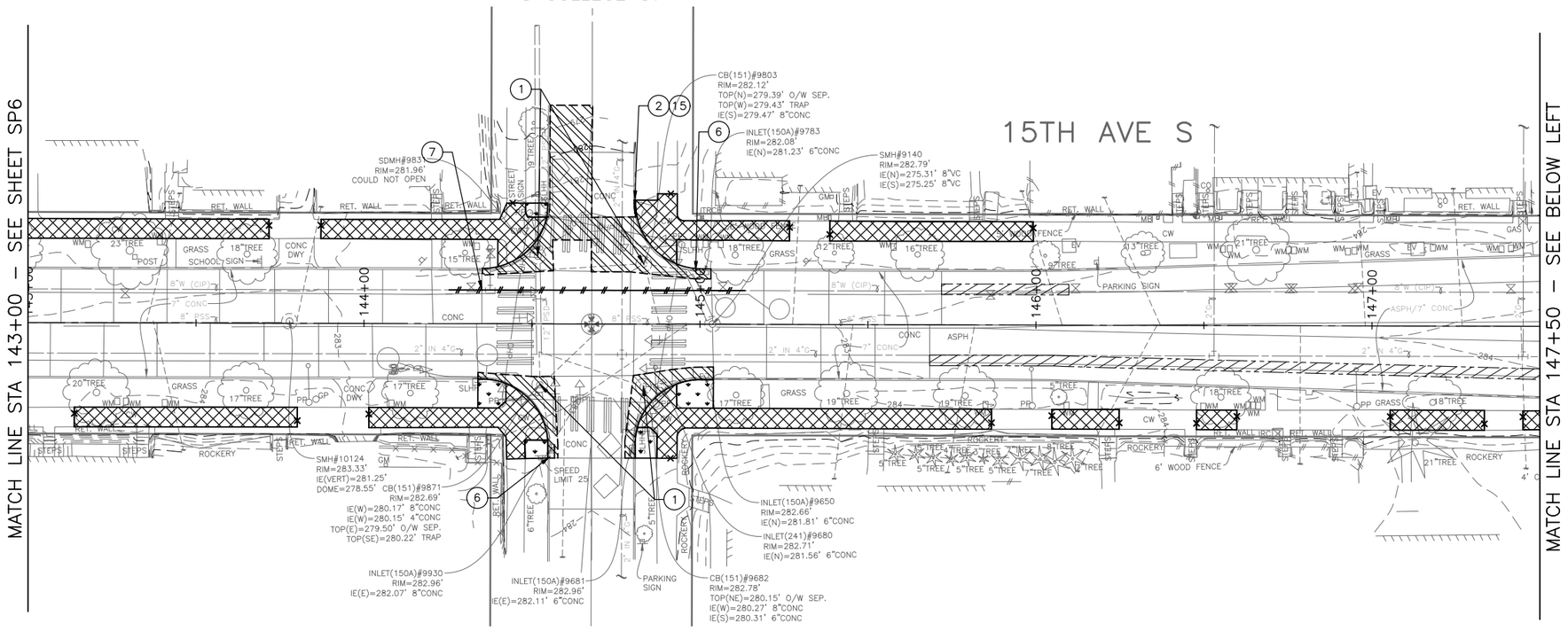

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SHEET 21 OF 100

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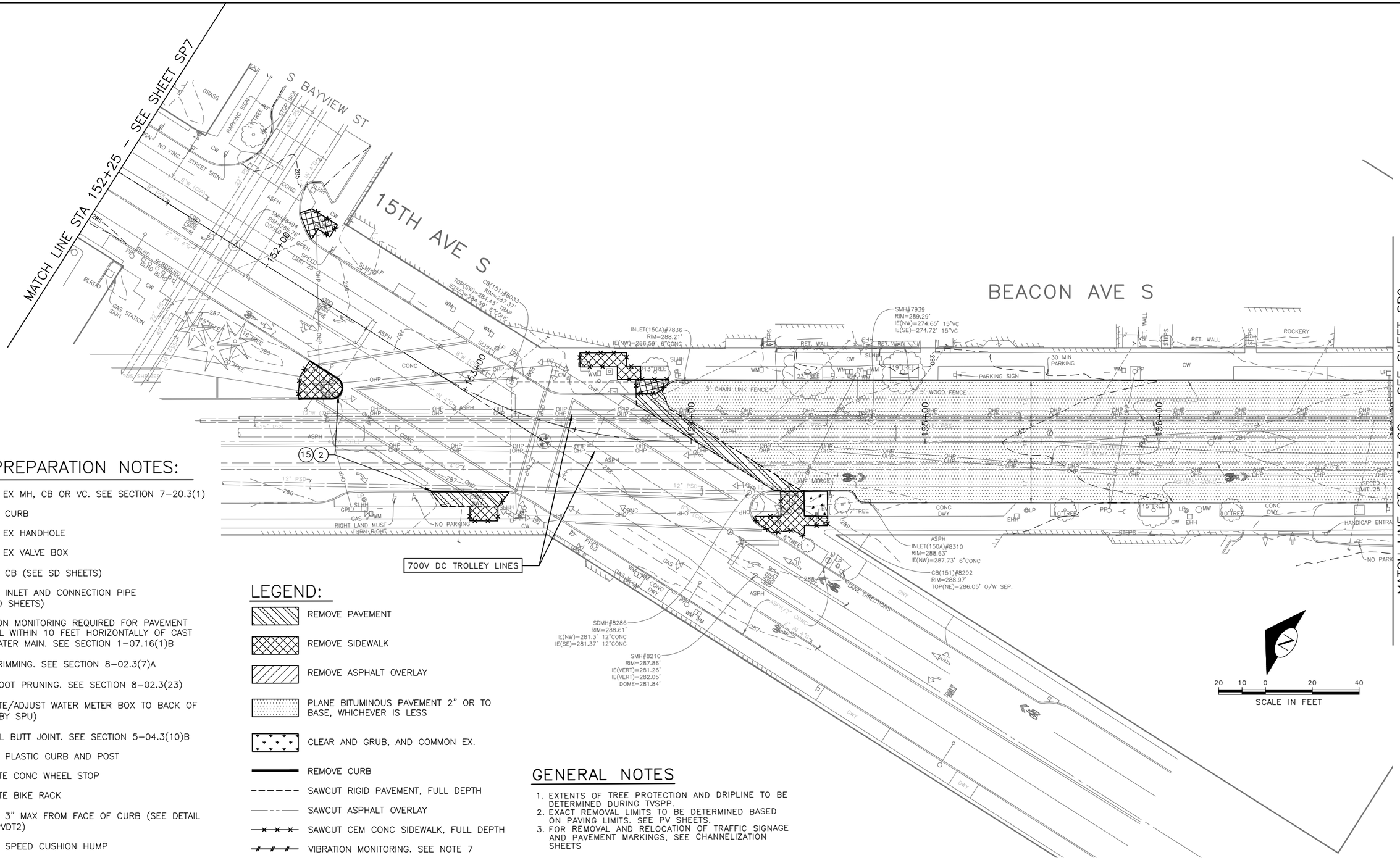

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VPI #

SP8

SHEET 22 OF 100

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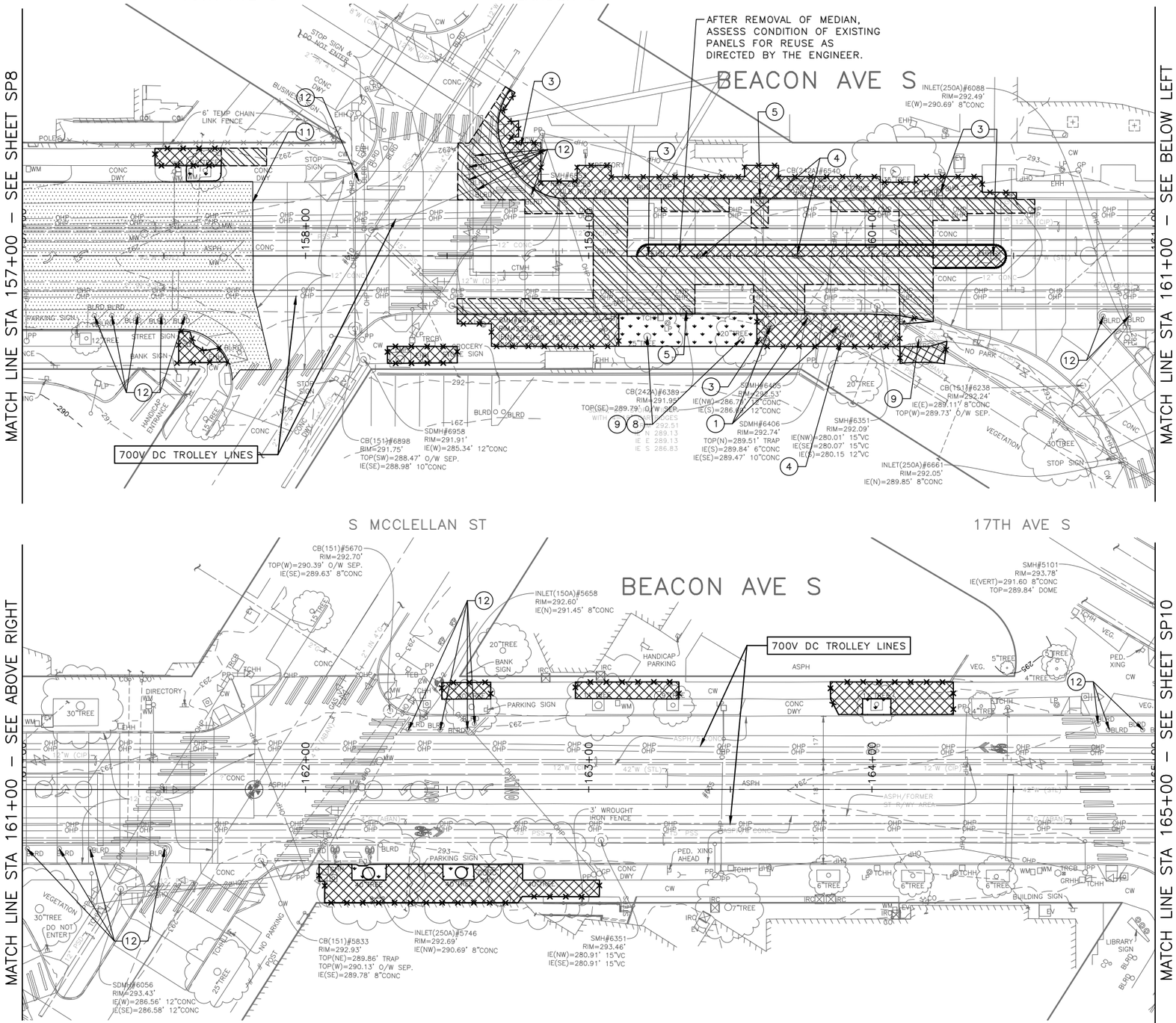

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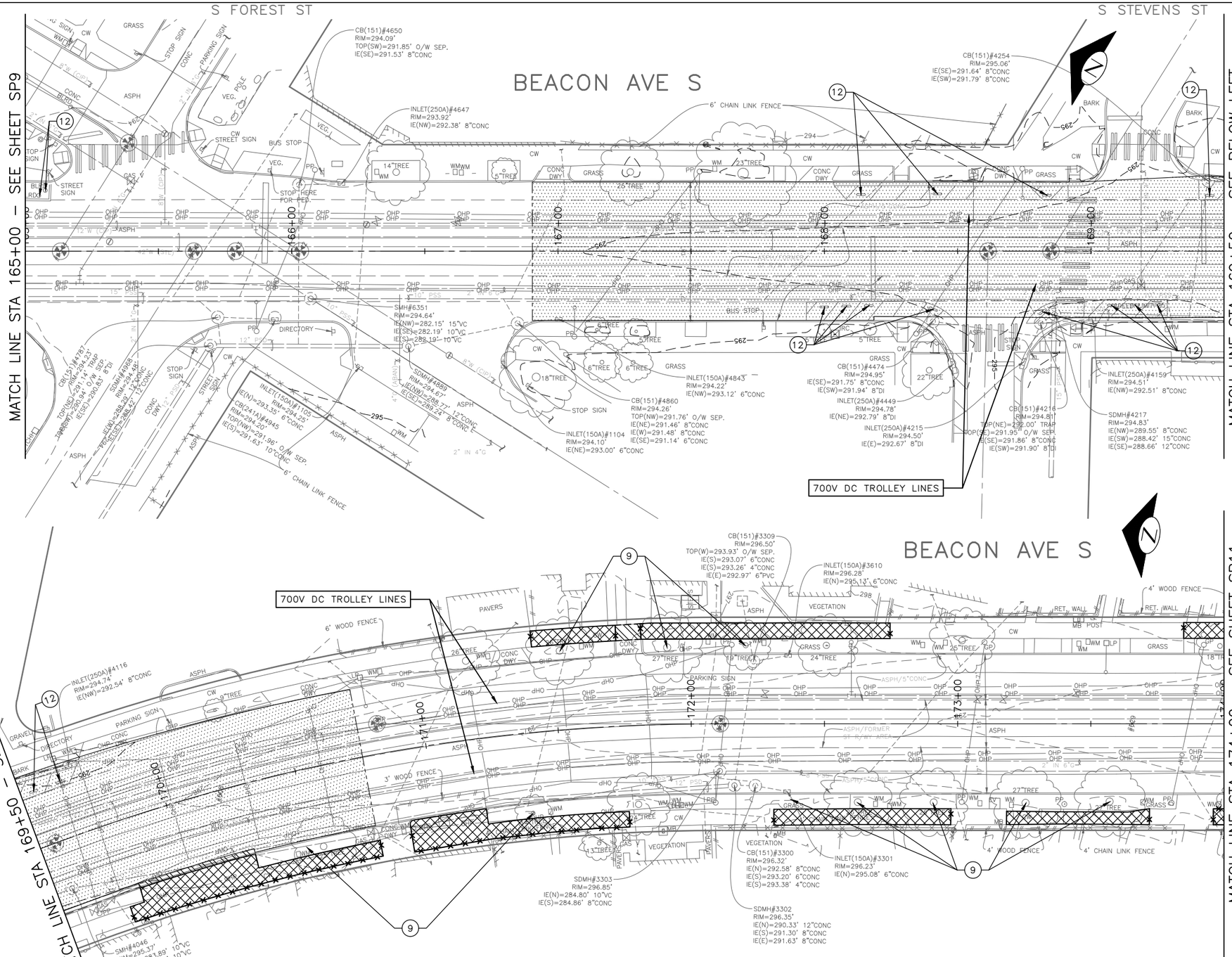

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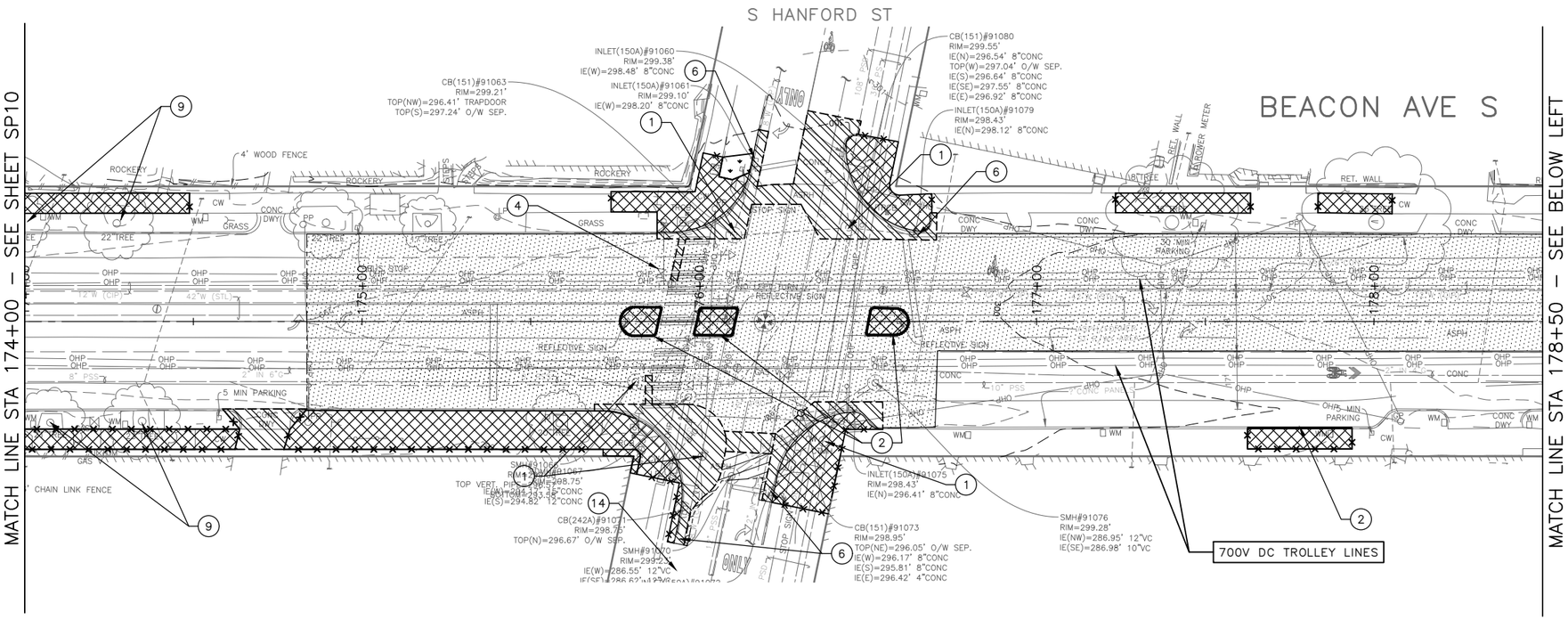

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ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

LAURENTIU DISCHIC
STATE OF WASHINGTON
55448
REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP11
SHEET 25 OF 100

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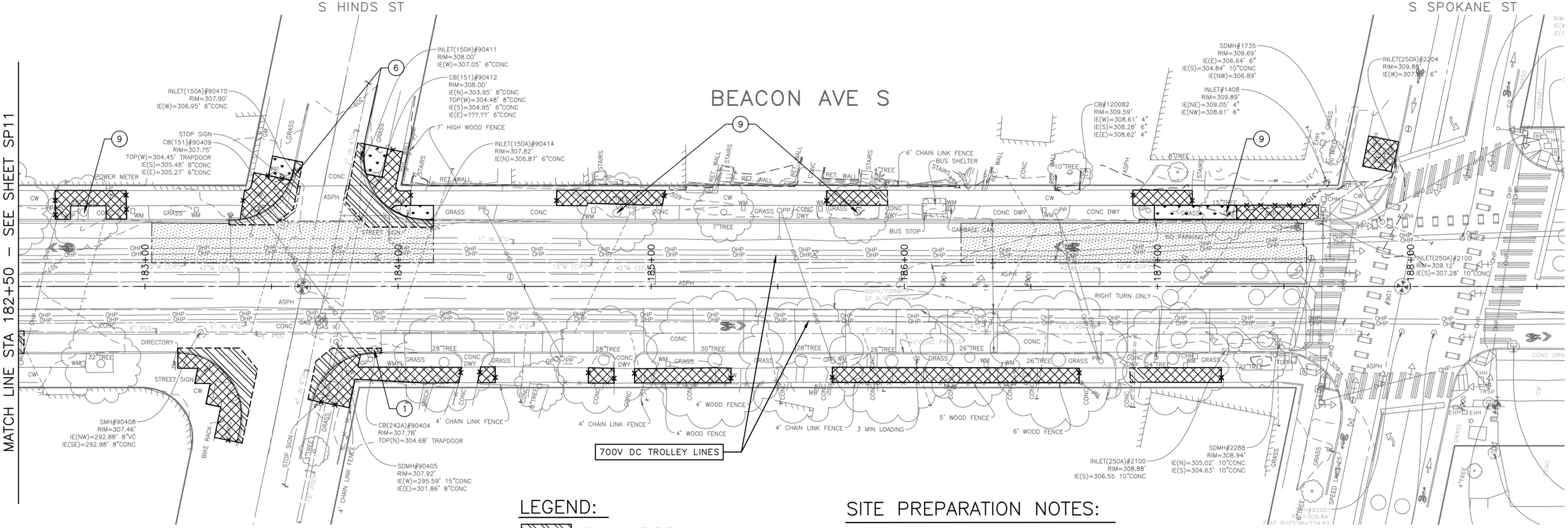

LEGEND:

- REMOVE PAVEMENT
- REMOVE SIDEWALK
- REMOVE ASPHALT OVERLAY
- PLANE BITUMINOUS PAVEMENT 2" OR TO BASE, WHICHEVER IS LESS
- CLEAR AND GRUB, AND COMMON EX.
- REMOVE CURB
- SAWCUT RIGID PAVEMENT, FULL DEPTH
- SAWCUT ASPHALT OVERLAY
- SAWCUT CEM CONC SIDEWALK, FULL DEPTH
- VIBRATION MONITORING. SEE NOTE 7

GENERAL NOTES

1. EXTENTS OF TREE PROTECTION AND DRIPLINE TO BE DETERMINED DURING TVSPP.
2. EXACT REMOVAL LIMITS TO BE DETERMINED BASED ON PAVING LIMITS. SEE PV SHEETS.
3. FOR REMOVAL AND RELOCATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS, SEE CHANNELIZATION SHEETS

SITE PREPARATION NOTES:

1. ADJUST EX MH, CB OR VC. SEE SECTION 7–20.3(1)
2. REMOVE CURB
3. ADJUST EX HANDHOLE
4. ADJUST EX VALVE BOX
5. REMOVE CB (SEE SD SHEETS)
6. REMOVE INLET AND CONNECTION PIPE (SEE SD SHEETS)
7. VIBRATION MONITORING REQUIRED FOR PAVEMENT REMOVAL WITHIN 10 FEET HORIZONTALLY OF CAST IRON WATER MAIN. SEE SECTION 1–07.16(1)B
8. TREE TRIMMING. SEE SECTION 8–02.3(7)A
9. TREE ROOT PRUNING. SEE SECTION 8–02.3(23)
10. RELOCATE/ADJUST WATER METER BOX TO BACK OF CURB (BY SPU)
11. VERTICAL BUTT JOINT. SEE SECTION 5–04.3(10)B
12. REMOVE PLASTIC CURB AND POST
13. RELOCATE CONC WHEEL STOP
14. RELOCATE BIKE RACK
15. SAWCUT 3" MAX FROM FACE OF CURB (SEE DETAIL 5 ON PVDT2)
16. REMOVE SPEED CUSHION HUMP

N

20 10 0 20 40

SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

SITE PREPARATION

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
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LAURENTIU DISCHIU STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023–028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SP12
SHEET 26 OF 100

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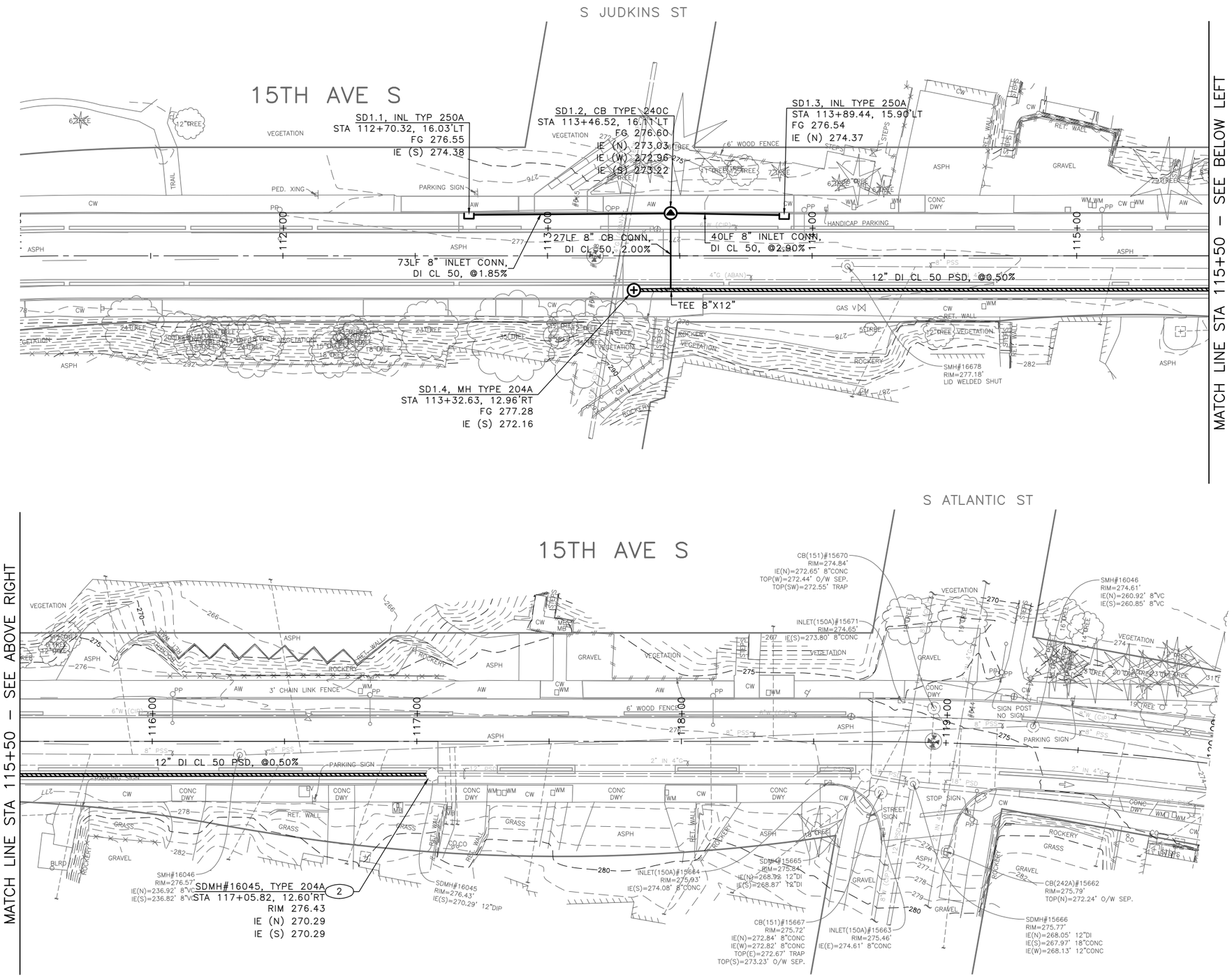


LEGEND:

■ CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

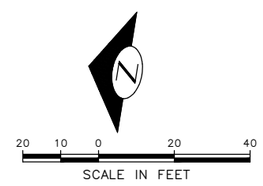
1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
2. CONNECT PSD TO EXISTING MAINTENANCE HOLE. RECHANNEL EXISTING MAINTENANCE HOLE PER SECTION 7-05.3(1)P
3. CONNEFT CB CONN PIPE TO EXISTING MAINTENANCE HOLE
4. CONNECT NEW STRUCTURE TO EXISTING PIPE.

SITE PREPARATION NOTES:

1. ADJUST MH, CB, OR VC
2. ABANDON CATCH BASIN
3. ABANDON AND FILL PIPE
4. REMOVE INLET
5. REMOVE PIPE
6. REMOVE CATCH BASIN
7. VIBRATION MONITORING OF CAST IRON WATER MAIN REQUIRED. SEE SECTION 1-07.16(1)B.

GENERAL NOTES:

1. INLET AND CATCH BASIN STATIONS AND OFFSETS LOCATED ALONG THE CURB LINE ARE MEASURED TO CENTER OF GRATE AT THE FACE OF CURB (FG) PER STD PLAN 260A AND 260B UNLESS OTHER WISE NOTED ON THE DRAWINGS. REFER TO SECTION 7-05.3(2)A.
2. ALL MAINTENANCE HOLE AND CATCH BASIN STATIONS AND OFFSETS LOCATED OUTSIDE OF CURB LINE ARE MEASURED TO THE CENTER OF STRUCTURE.
3. RIM ELEV. 1" BELOW FG ELEV. PER STD PLAN 260, UNLESS OTHERWISE NOTED ON PLANS.
4. TAPPED CONNECTIONS TO MAINS SHALL BE PERFORMED BY SEATTLE PUBLIC UTILITIES (SPU). TO SCHEDULE CORE TAPS, CONTACT SPU AT (206)615-0511 A MINIMUM OF 48 HOURS IN ADVANCE.
5. IF ROOTS ARE ENCOUNTERED, REFER TO SECTION 8-02.3(7)A FOR PRUNING PROCEDURE.
6. INSTALL POLYETHYLENE FOAM PROTECTION IF LESS THAN 6" CLEARANCE BETWEEN UTILITIES.
7. ALL UTILITIES MUST BE LOCATED AND MARKED PRIOR TO EXCAVATION PER SECTION 1-07.17.
8. REFER TO SHEET NT1 FOR ADDITIONAL DRAINAGE NOTES.



VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

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NICHOLAS M SIROOSE STATE OF WASHINGTON 45271 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SD1
SHEET 27 OF 100

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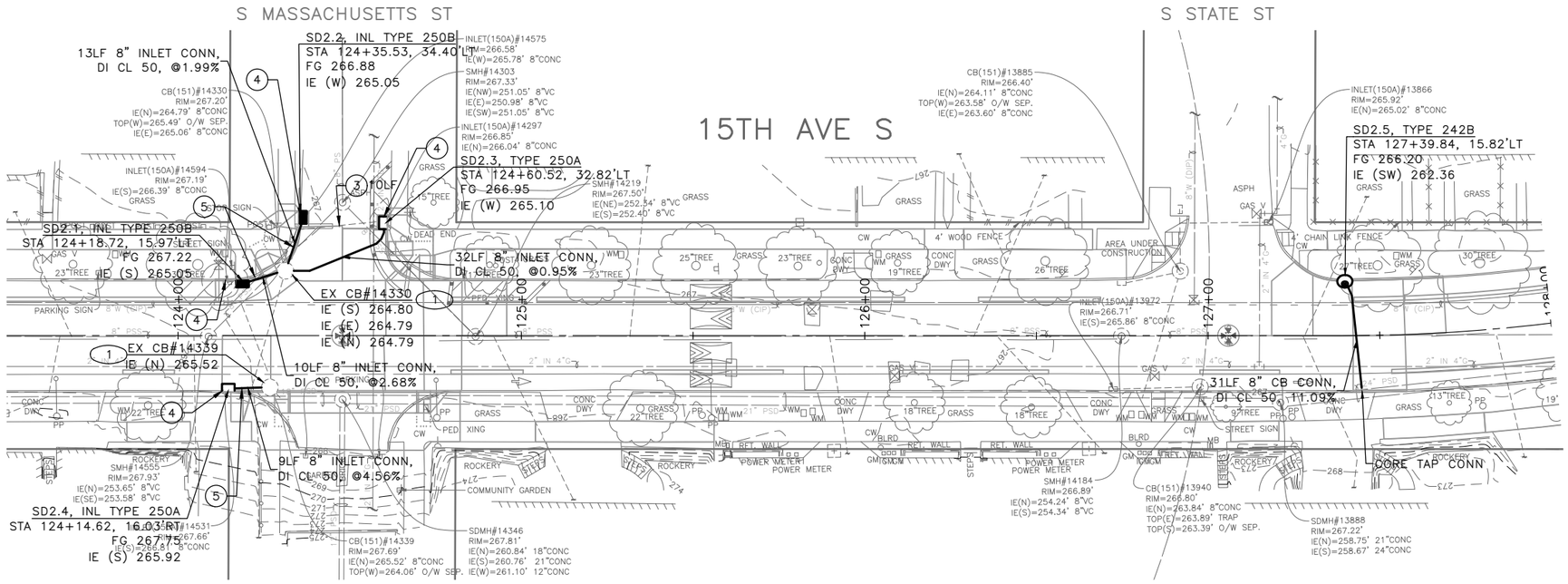

LEGEND:

● CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
2. CONNECT PSD TO EXISTING MAINTENANCE HOLE. RECHANNEL EXISTING MAINTENANCE HOLE PER SECTION 7-05.3(1)P
3. CONNEFT CB CONN PIPE TO EXISTING MAINTENANCE HOLE
4. CONNECT NEW STRUCTURE TO EXISTING PIPE.

SITE PREPARATION NOTES:

1. ADJUST MH, CB, OR VC
2. ABANDON CATCH BASIN
3. ABANDON AND FILL PIPE
4. REMOVE INLET
5. REMOVE PIPE
6. REMOVE CATCH BASIN
7. VIBRATION MONITORING OF CAST IRON WATER MAIN REQUIRED. SEE SECTION 1-07.16(1)B.

GENERAL NOTES:

1. INLET AND CATCH BASIN STATIONS AND OFFSETS LOCATED ALONG THE CURB LINE ARE MEASURED TO CENTER OF GRATE AT THE FACE OF CURB (FG) PER STD PLAN 260A AND 260B UNLESS OTHER WISE NOTED ON THE DRAWINGS. REFER TO SECTION 7-05.3(2)A.
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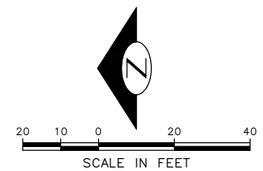
3. RIM ELEV. 1" BELOW FG ELEV. PER STD PLAN 260, UNLESS OTHERWISE NOTED ON PLANS.
4. TAPPED CONNECTIONS TO MAINS SHALL BE PERFORMED BY SEATTLE PUBLIC UTILITIES (SPU). TO SCHEDULE CORE TAPS, CONTACT SPU AT (206)615-0511 A MINIMUM OF 48 HOURS IN ADVANCE.
5. IF ROOTS ARE ENCOUNTERED, REFER TO SECTION 8-02.3(7)A FOR PRUNING PROCEDURE.
6. INSTALL POLYETHYLENE FOAM PROTECTION IF LESS THAN 6" CLEARANCE BETWEEN UTILITIES.
7. ALL UTILITIES MUST BE LOCATED AND MARKED PRIOR TO EXCAVATION PER SECTION 1-07.17.
8. REFER TO SHEET NT1 FOR ADDITIONAL DRAINAGE NOTES.



NATURE	MADE	CHK'D	REV'D
REVISIONS			
MARK			
DATE			
NO.			
VAULT SERIAL			

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CHECKED	DES. CONST.
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DRAWN	RECEIVED
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NICHOLAS N SIBBODE STATE OF WASHINGTON 45271 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SD2
SHEET 28 OF 100

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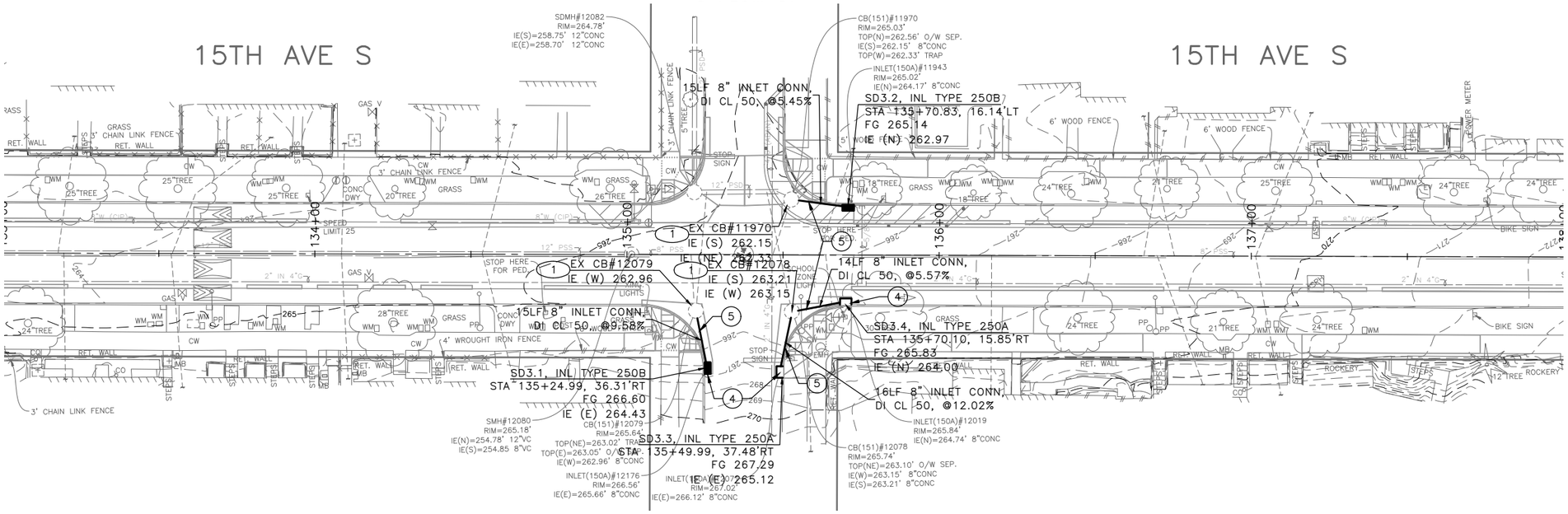

LEGEND:

- ● CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
2. CONNECT PSD TO EXISTING MAINTENANCE HOLE. RECHANNEL EXISTING MAINTENANCE HOLE PER SECTION 7-05.3(1)P
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4. CONNECT NEW STRUCTURE TO EXISTING PIPE.

SITE PREPARATION NOTES:

1. ADJUST MH, CB, OR VC
2. ABANDON CATCH BASIN
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GENERAL NOTES:

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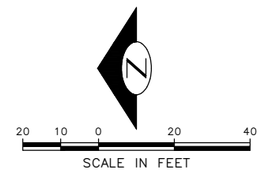

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NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
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NICHOLAS N SIBBODE STATE OF WASHINGTON 45271 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SD3
SHEET 29 OF 100

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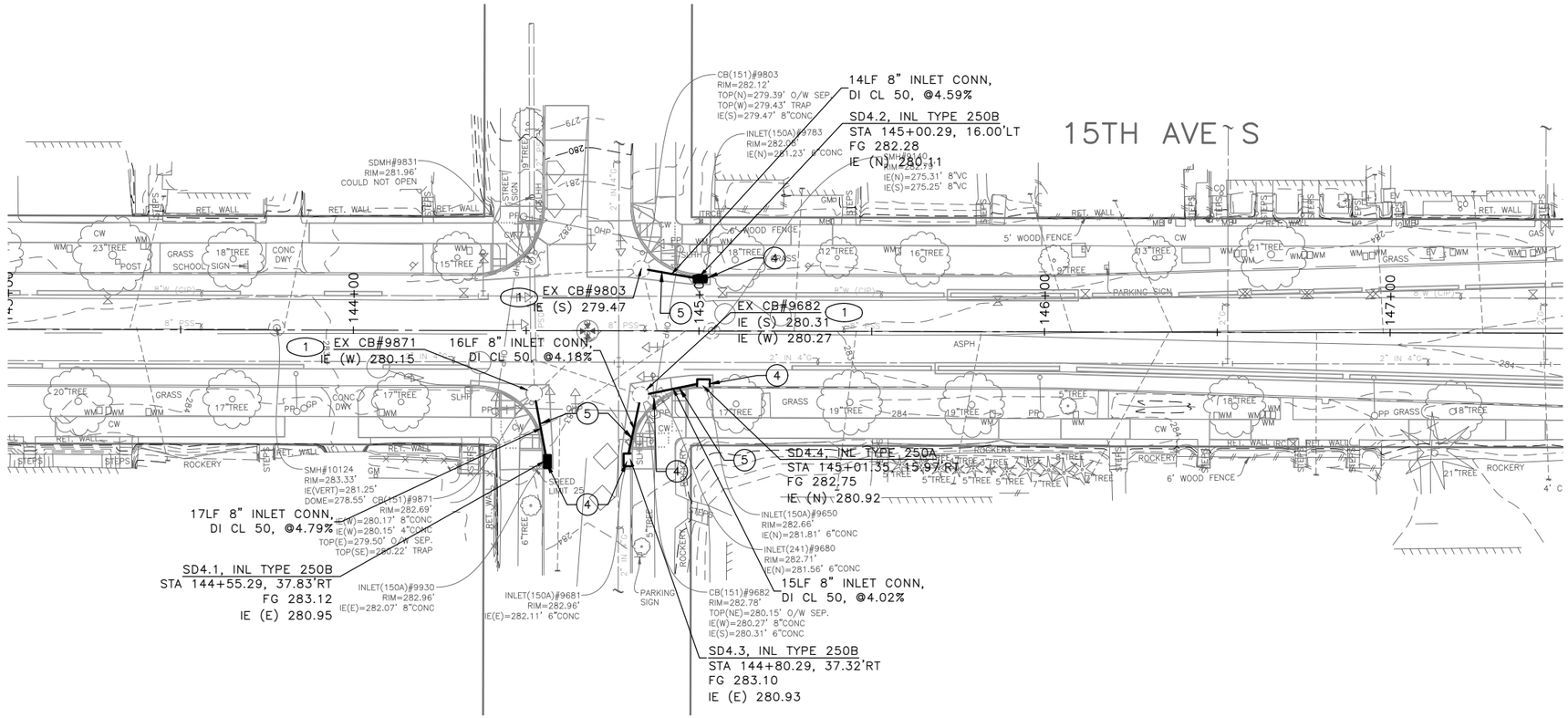

LEGEND:

- ◘ CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
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SITE PREPARATION NOTES:

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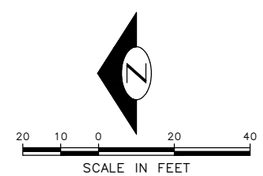

NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK

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	BY: . . . . . PURCHASING AND CONTRACTING	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

NICOLAS N SHKODE — STATE OF WASHINGTON — 45271 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023-028

SCALE: H. 1"=20', V. 1"=10'

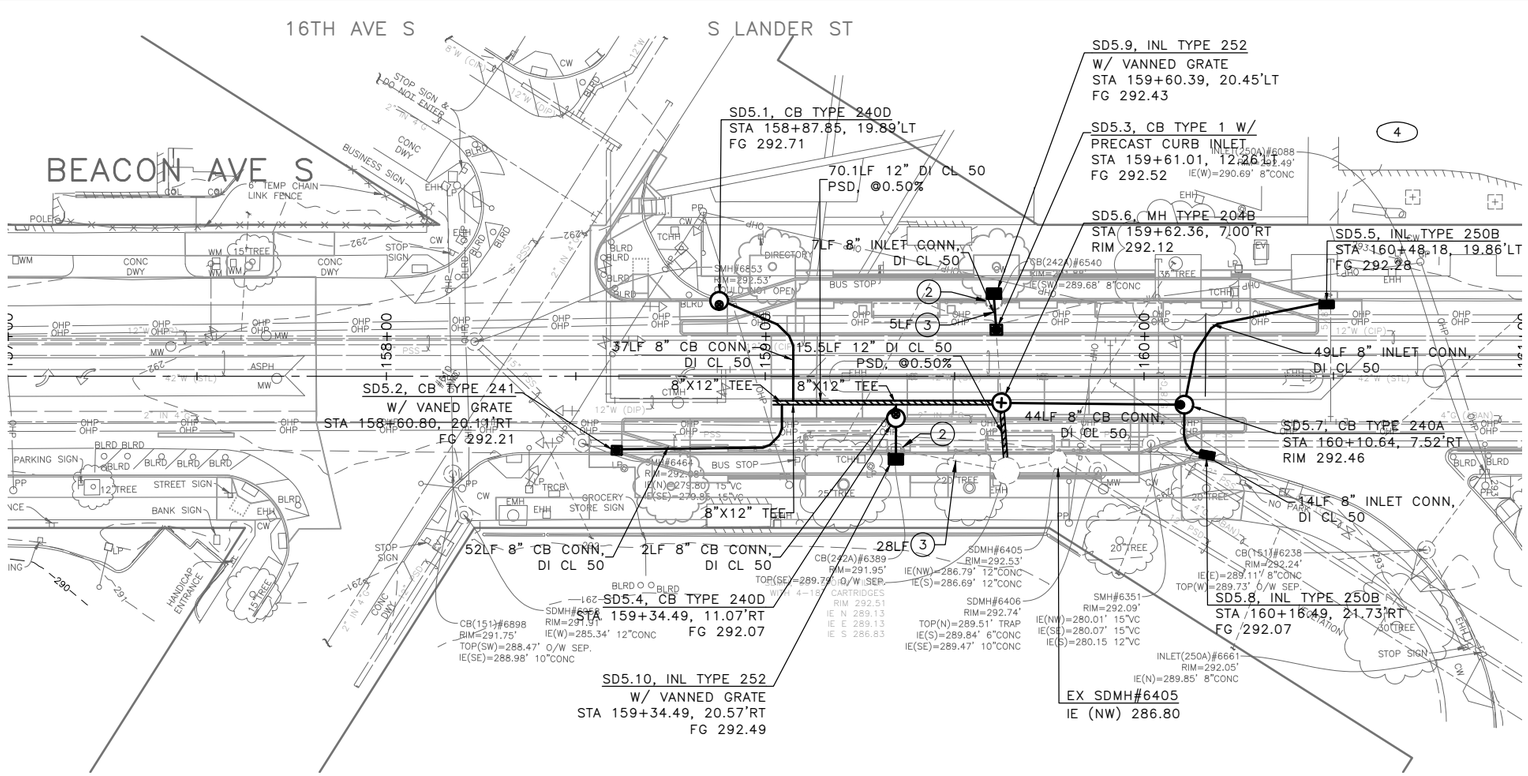
BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

SD4

SHEET 30 OF 100



LEGEND:

● CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
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SCALE IN FEET

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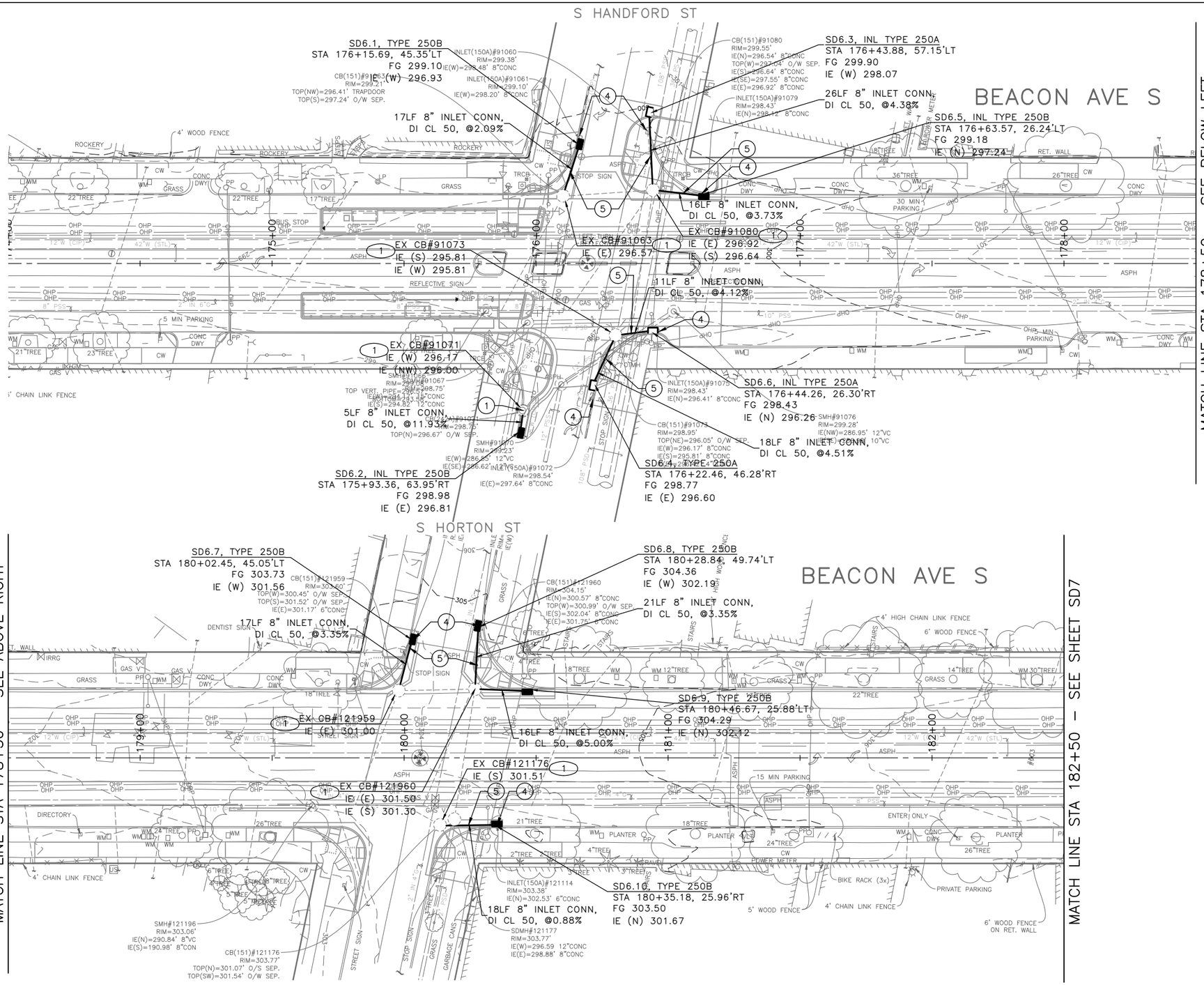

LEGEND:

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GENERAL NOTES:

1. INLET AND CATCH BASIN STATIONS AND OFFSETS LOCATED ALONG THE CURB LINE ARE MEASURED TO CENTER OF GRATE AT THE FACE OF CURB (FG) PER STD PLAN 260A AND 260B UNLESS OTHER WISE NOTED ON THE DRAWINGS. REFER TO SECTION 7-05.3(2)A.
2. ALL MAINTENANCE HOLE AND CATCH BASIN STATIONS AND OFFSETS LOCATED OUTSIDE OF CURB LINE ARE MEASURED TO THE CENTER OF STRUCTURE.
3. RIM ELEV. 1" BELOW FG ELEV. PER STD PLAN 260, UNLESS OTHERWISE NOTED ON PLANS.
4. TAPPED CONNECTIONS TO MAINS SHALL BE PERFORMED BY SEATTLE PUBLIC UTILITIES (SPU). TO SCHEDULE CORE TAPS, CONTACT SPU AT (206)615-0511 A MINIMUM OF 48 HOURS IN ADVANCE.
5. IF ROOTS ARE ENCOUNTERED, REFER TO SECTION 8-02.3(7)A FOR PRUNING PROCEDURE.
6. INSTALL POLYETHYLENE FOAM PROTECTION IF LESS THAN 6" CLEARANCE BETWEEN UTILITIES.
7. ALL UTILITIES MUST BE LOCATED AND MARKED PRIOR TO EXCAVATION PER SECTION 1-07.17.
8. REFER TO SHEET NT1 FOR ADDITIONAL DRAINAGE NOTES.

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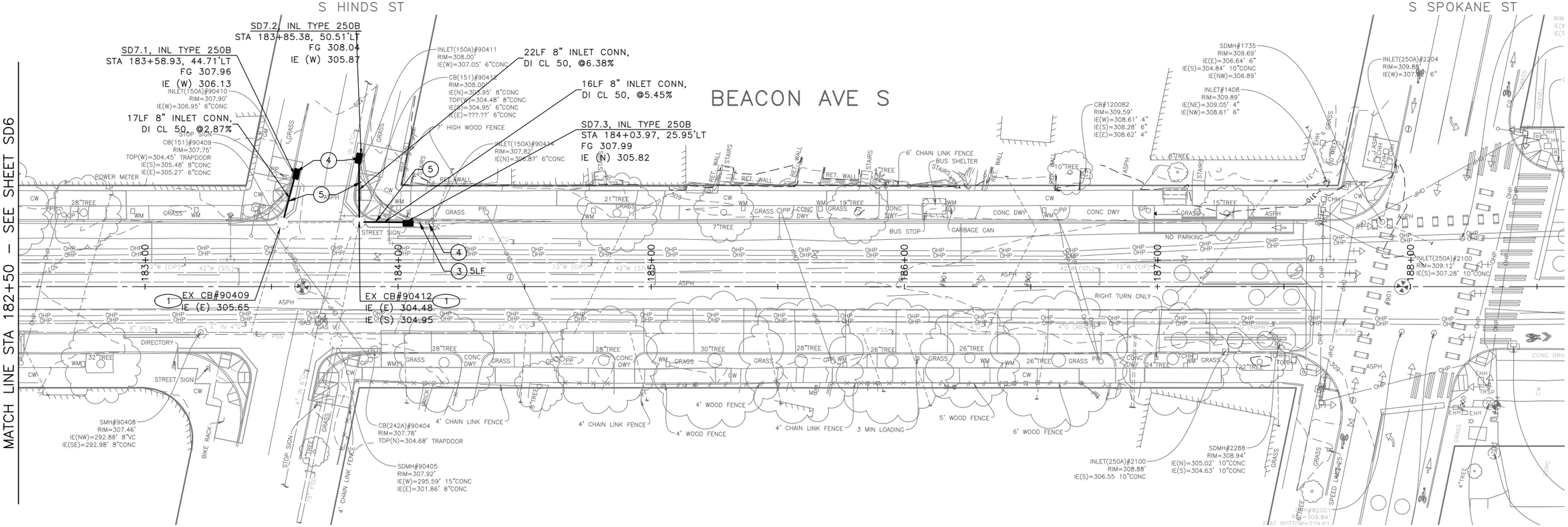
NICHOLAS M. SWINDALE — STATE OF WASHINGTON — 45271 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SD6
SHEET 32 OF 100



GENERAL NOTES:

1. INLET AND CATCH BASIN STATIONS AND OFFSETS LOCATED ALONG THE CURB LINE ARE MEASURED TO CENTER OF GRATE AT THE FACE OF CURB (FG) PER STD PLAN 260A AND 260B UNLESS OTHER WISE NOTED ON THE DRAWINGS. REFER TO SECTION 7–05.3(2)A.
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8. REFER TO SHEET NT1 FOR ADDITIONAL DRAINAGE NOTES.

LEGEND:

CATCH BASIN TYPE 1 W/ PRECAST CURB INLET. SEE SHEET SDDT1 FOR DETAIL.

CONSTRUCTION NOTES:

1. CONNECT INLET CONN PIPE TO EXISTING CATCH BASIN.
2. CONNECT PSD TO EXISTING MAINTENANCE HOLE. RECHANNEL EXISTING MAINTENANCE HOLE PER SECTION 7–05.3(1)P
3. CONNEFT CB CONN PIPE TO EXISTING MAINTENANCE HOLE
4. CONNECT NEW STRUCTURE TO EXISTING PIPE.

SITE PREPARATION NOTES:

1. ADJUST MH, CB, OR VC
2. ABANDON CATCH BASIN
3. ABANDON AND FILL PIPE
4. REMOVE INLET
5. REMOVE PIPE
6. REMOVE CATCH BASIN
7. VIBRATION MONITORING OF CAST IRON WATER MAIN REQUIRED. SEE SECTION 1–07.16(1)B.

N

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JOB PC TRC1059 CO TRC1059

VPI #

SD7

SHEET 33 OF 100

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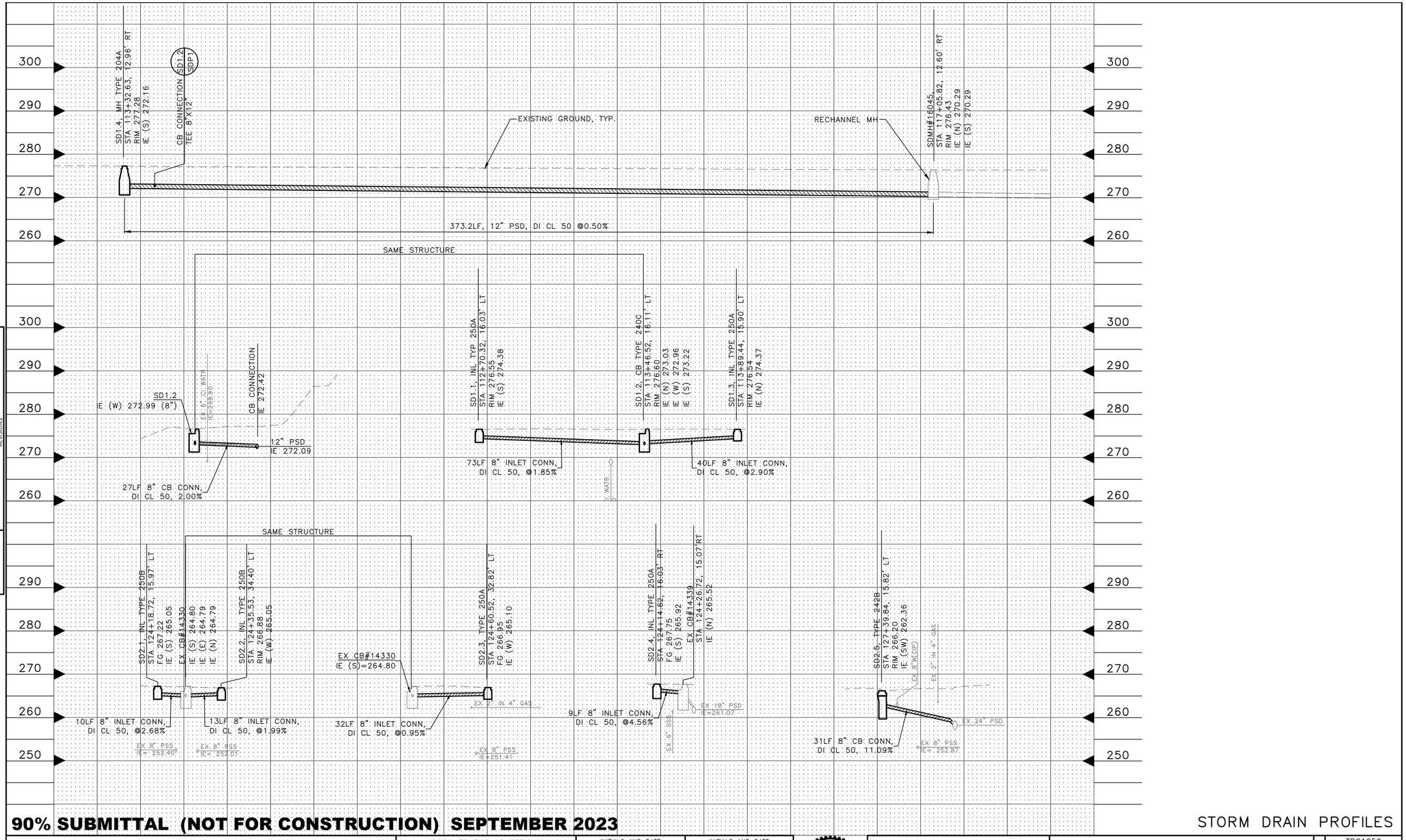

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB: PC TRC1059, CO TRC1059

VPI #

SDP1

SHEET 34 OF 100

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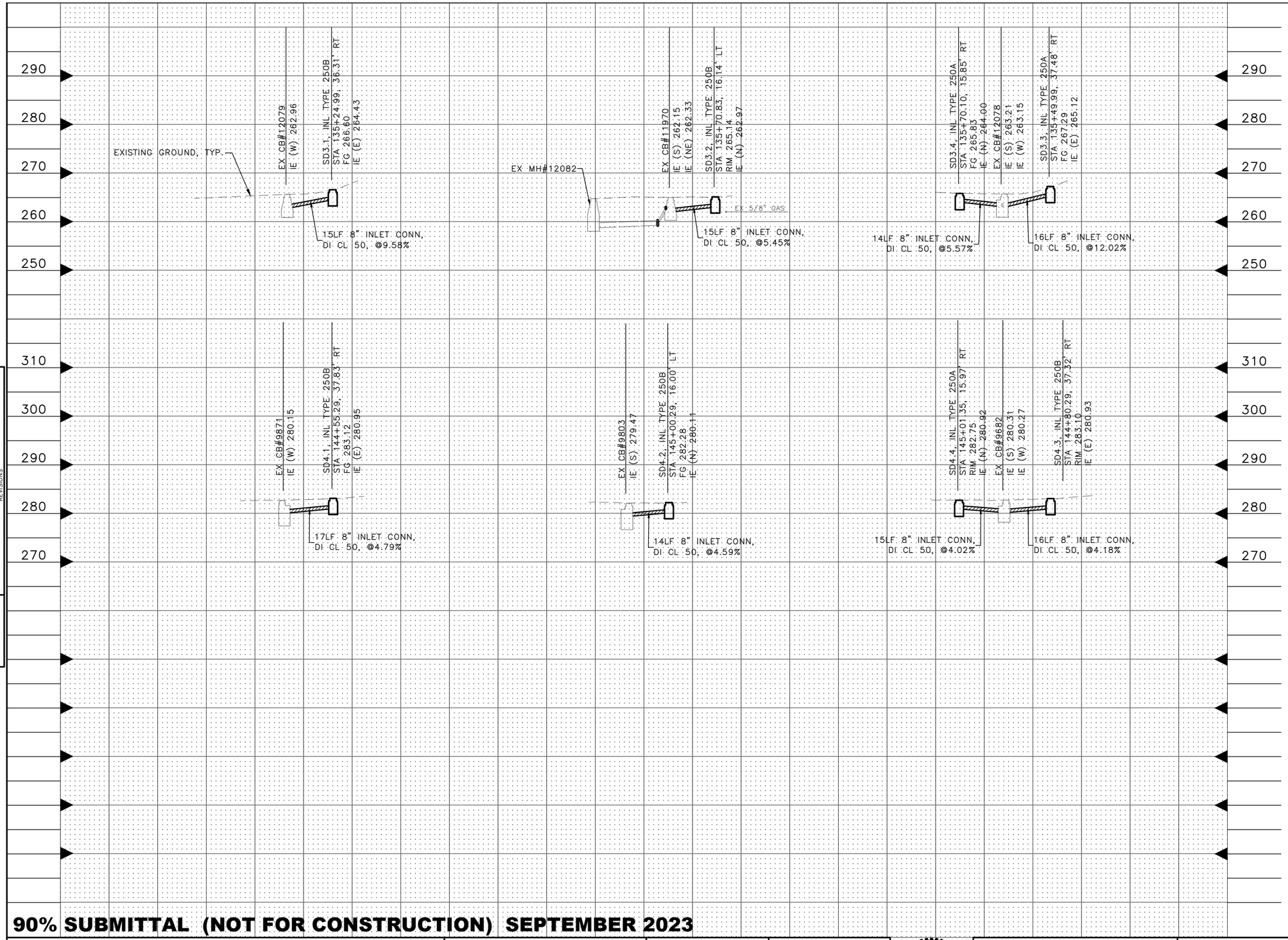

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VPI #

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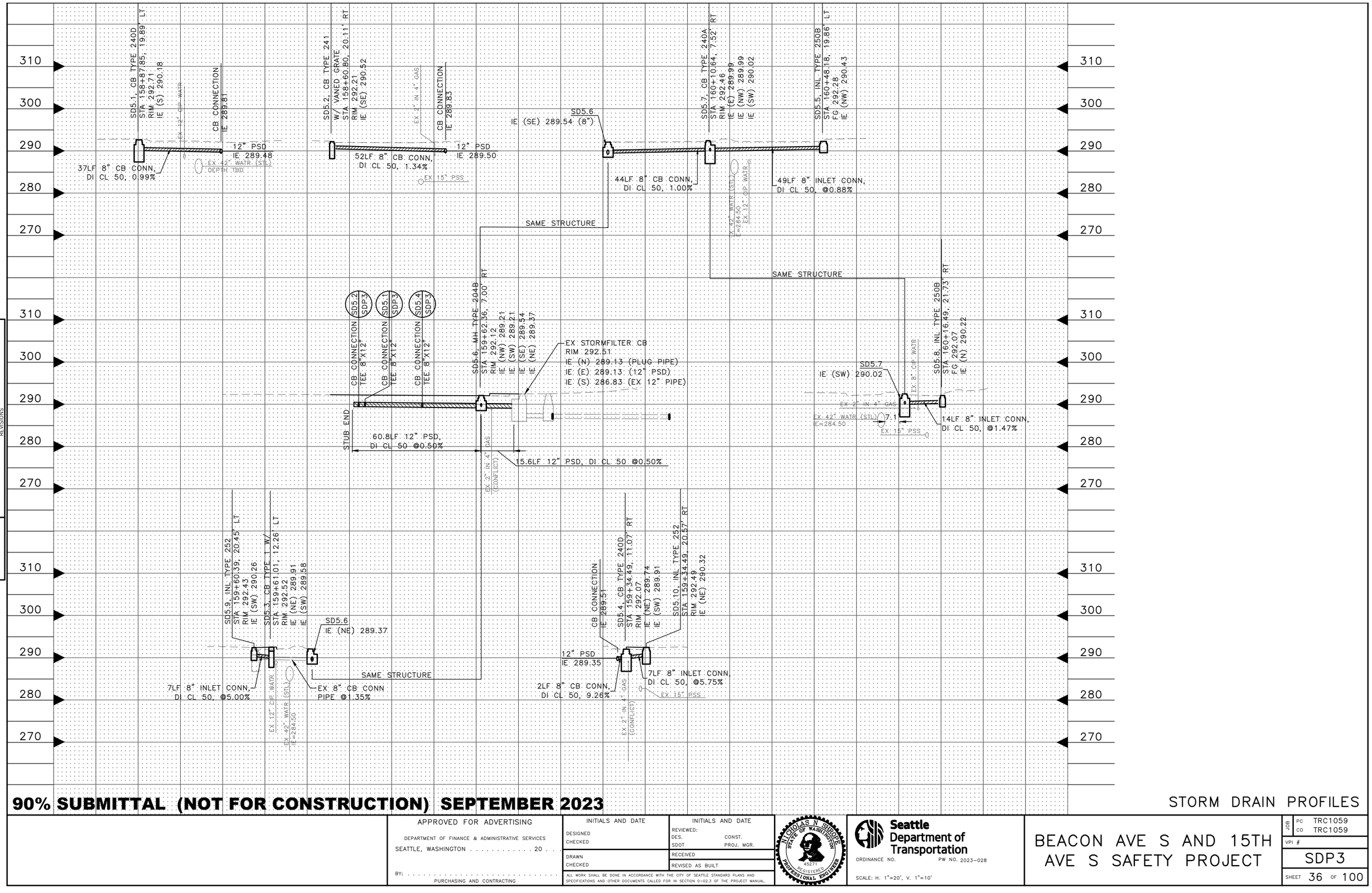

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

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VPI # SDP3

SHEET 36 OF 100

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SAME STRUCTURE

SD6.1, TYPE 250B
STA 176+15.69, 45.35' LT
FG 299.10
IE (W) 296.93

EX CB#91063
IE (E) 296.57

EX CB#91080

12" PSD
IE 295.02

17LF 8" INLET CONN,
DI CL 50, @2.09%

SD6.3, INL TYPE 250A
STA 176+43.88, 57.15' LT
RIM 299.90
IE (W) 298.07

EX CB#91080
IE (E) 296.92
IE (S) 296.64

26LF 8" INLET CONN,
DI CL 50, @4.38%

SD6.5, INL TYPE 250B
STA 176+63.57, 26.24' LT
RIM 299.18
IE (N) 297.24

16LF 8" INLET CONN,
DI CL 50, @3.73%

ADJUST CB
REPLACE FRAME AND
CASTING WITH TYPE 230L
PER STANDARD PLAN 230

EX CB#91071
IE (W) 296.17
IE (NW) 296.00

SD6.2, INL TYPE 250B
STA 175+93.36, 63.95' RT
FG 298.98
IE (E) 296.81

EX 8" CIP WATR

5LF 8" INLET CONN,
DI CL 50, @11.93%

SD6.6, INL TYPE 250A
STA 176+44.26, 26.30' RT
FG 298.43
IE (N) 296.26

EX CB#91073
IE (S) 295.81
IE (W) 295.81

11LF 8" INLET CONN,
DI CL 50, @4.12%

EX 12" PSS
IE=296.85
EX 36" PSD (KING CO)
EX 108" PSD (SPU)

SD6.4, TYPE 250A
STA 176+22.46, 46.28' RT
FG 298.77
IE (E) 296.60

EX 12" PSS
IE=296.75

18LF 8" INLET CONN,
DI CL 50, @4.51%

SAME STRUCTURE

SD6.7, TYPE 250B
STA 180+02.45, 45.05' LT
FG 303.73
IE (W) 301.56

EX CB#121959
IE (E) 301.90

EX CB#121960

EX MH# 121177

17LF 8" INLET CONN,
DI CL 50, @3.35%

EX 12" CIP WATR

EX 42" WATR (GTE)

SD6.8, TYPE 250B
STA 180+28.84, 49.74' LT
FG 304.36
IE (W) 302.19

EX CB#121960
IE (E) 301.50
IE (S) 301.30

2" IN 4" GAS

21LF 8" INLET CONN,
DI CL 50, @3.35%

SD6.9, TYPE 250B
STA 180+46.67, 25.88' LT
FG 304.29
IE (N) 302.12

16LF 8" INLET CONN,
DI CL 50, @5.00%

EX CB#121176
IE (S) 301.51

SD6.10, TYPE 250B
STA 180+35.18, 25.96' RT
FG 303.50
IE (N) 301.67

18LF 8" INLET CONN,
DI CL 50, @0.88%

SAME STRUCTURE

SAME STRUCTURE

SD7.1, INL TYPE 250B
STA 183+58.93, 44.71' LT
FG 307.96
IE (W) 306.13

EX CB#90409
IE (E) 305.85

EX CB#90412

EX MH#90405

17LF 8" INLET CONN,
DI CL 50, @2.87%

SD7.2, INL TYPE 250B
STA 183+85.38, 50.51' LT
RIM 308.04
IE (W) 305.87

EX CB#90412
IE (E) 304.48
IE (S) 304.95

22LF 8" INLET CONN,
DI CL 50, @6.38%

SD7.3, INL TYPE 250B
STA 184+03.97, 25.95' LT
RIM 307.99
IE (N) 305.82

16LF 8" INLET CONN,
DI CL 50, @5.45%

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
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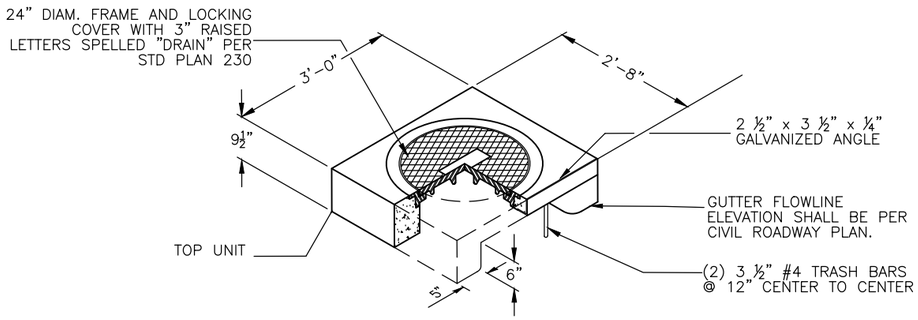
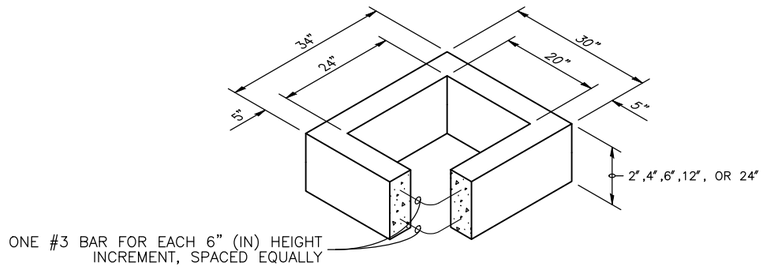
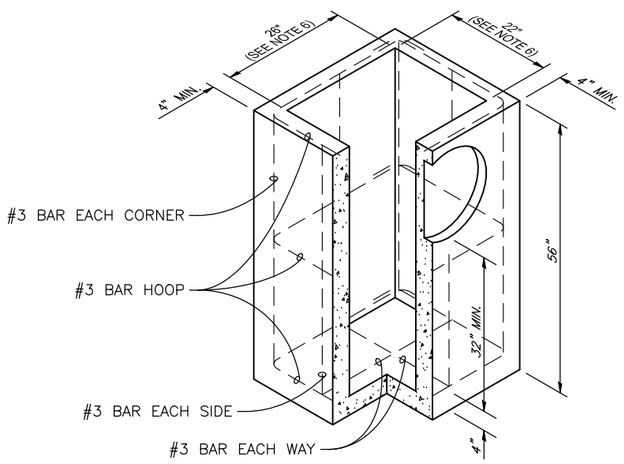


PRECAST CURB INLET SECTION



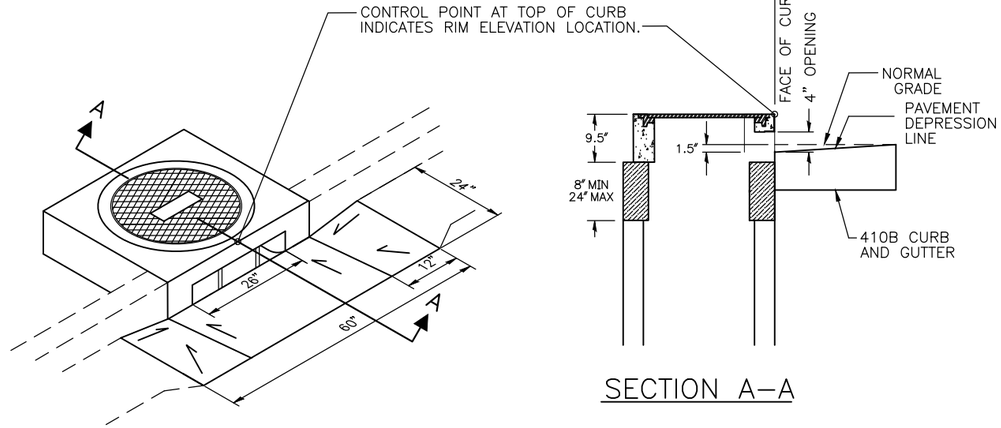
RECTANGULAR ADJUSTMENT SECTION



PRECAST CATCH BASIN TYPE 1 SECTION

NOTES

1. AS ACCEPTABLE ALTERNATIVES TO THE REBAR SHOWN IN THE PRECAST BASE SECTION, FIBERS (PLACED ACCORDING TO THE STANDARD SPECIFICATIONS), OR WIRE MESH HAVING A MINIMUM AREA OF 0.12 SQUARE INCHES PER FOOT, MUST BE USED WITH THE MINIMUM REQUIRED REBAR SHOWN IN THE ALTERNATIVE PRECAST BASE SECTION. WIRE MESH SHALL NOT BE PLACED IN THE KNOCKOUTS.
2. THE KNOCKOUT DIAMETER SHALL NOT BE GREATER THAN 18" (IN). KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" (IN) MINIMUM TO 2.5" (IN) MAXIMUM. PROVIDE A 1.5" (IN) MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 9-04.3.
3. THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5' (FT).
4. THE FRAME AND GRATE MAY BE INSTALLED WITH THE FLANGE DOWN, OR INTEGRALLY CAST INTO THE ADJUSTMENT SECTION WITH FLANGE UP.
5. THE PRECAST BASE SECTION MAY HAVE A ROUNDED FLOOR, AND THE WALLS MAY BE SLOPED AT A RATE OF 1 : 24 OR STEEPER.
6. THE OPENING SHALL BE MEASURED AT THE TOP OF THE PRECAST BASE SECTION.
7. ALL PICKUP HOLES SHALL BE GROUTED FULL AFTER THE BASIN HAS BEEN PLACED.
8. INSTALL OUTLET TRAP PER STANDARD PLAN 267.



SECTION A-A

PRECAST CURB INLET LOCATION & INSTALLATION

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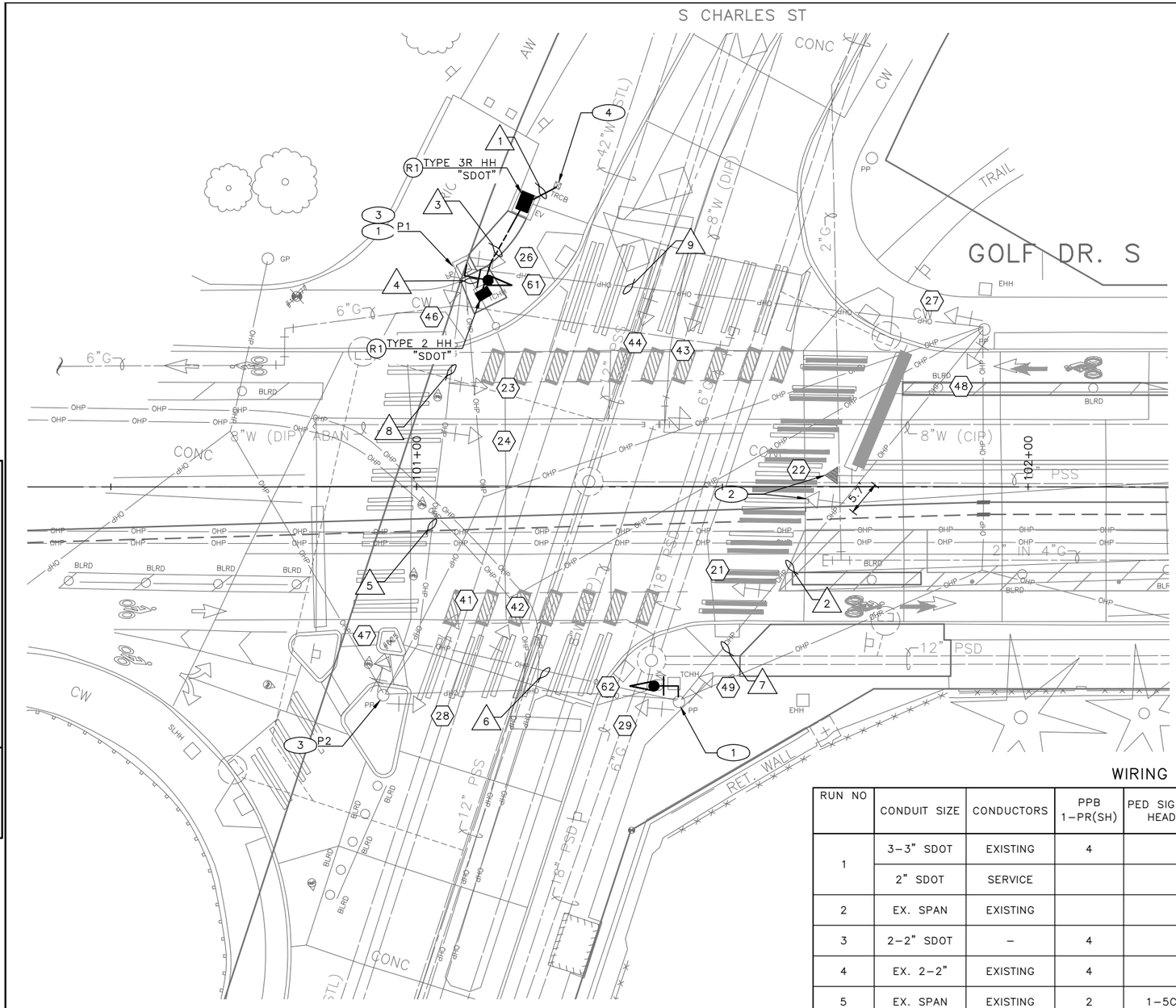

CONSTRUCTION NOTES:

1. INSTALL SIGNAL HEAD ON EXISTING POLE.
2. RELOCATE EXISTING VEHICLE SIGNAL HEAD.
3. INSTALL TERMINAL CABINET ON EXISTING POLE.
4. TEMPORARY RELOCATE AND SECURE TRAFFIC SIGNAL CABINET ON ADJACENT HANDHOLE WITH A TEMPORARY CONTROLLER CABINET FRAMING APPARATUS. RE-INSTALL TRAFFIC SIGNAL CABINET ONTO NEW FOUNDATION. TERMINATE ALL WIRES.
5. CONSTRUCT NEW TYPE II TRAFFIC SIGNAL CONTROLLER CABINET FOUNDATION.

REMOVAL NOTES:

- R1 REMOVE EX. HANDHOLE.
- R2 REMOVE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOUNDATION.

EXISTING PHASE DIAGRAM

1 NOT USED	2	3 NOT USED	4
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE
PEDESTRIAN

PROPOSED PHASE DIAGRAM

1 NOT USED	2	3 NOT USED	4
5 NOT USED	6	7 NOT USED	8 NOT USED

VEHICLE
PEDESTRIAN
BIKE

SIGNAL HEAD DISPLAY

8"
8"
8"

61 62

POLE MOUNTED

SIGN

SIGNAL 18"
12"
R10-10b
1

POLE MOUNTED
(ATTACHED TO BIKE SIGNAL HEAD)

WIRING SCHEDULE

RUN NO	CONDUIT SIZE	CONDUCTORS	PPB 1-PR(SH)	PED SIGNAL HEAD	VEH SIGNAL HEAD	BIKE SIGNAL HEAD	GROUND	COMMENTS
1	3-3" SDOT	EXISTING	4	3-10C, 2-5C			1-#6	
	2" SDOT	SERVICE					1-#6	
2	EX. SPAN	EXISTING			1-5C			
3	2-2" SDOT	-	4	3-10C, 2-5C			1-#6	
4	EX. 2-2"	EXISTING	4	3-10C, 2-5C				
5	EX. SPAN	EXISTING	2	1-5C	1-10C	1-5C		
6	EX. SPAN	EXISTING	1	2-3C	2-5C	1-5C		
7	EX. SPAN	EXISTING			2-5C			
8	EX. SPAN	EXISTING	2	1-5C	1-10C, 2-5C	1-5C		
9	EX. SPAN	EXISTING	1	2-3C	2-5C			

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SIGNALS

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WASSIM MENAB 47675 REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON

Seattle Department of Transportation
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SCALE: 1"=10'

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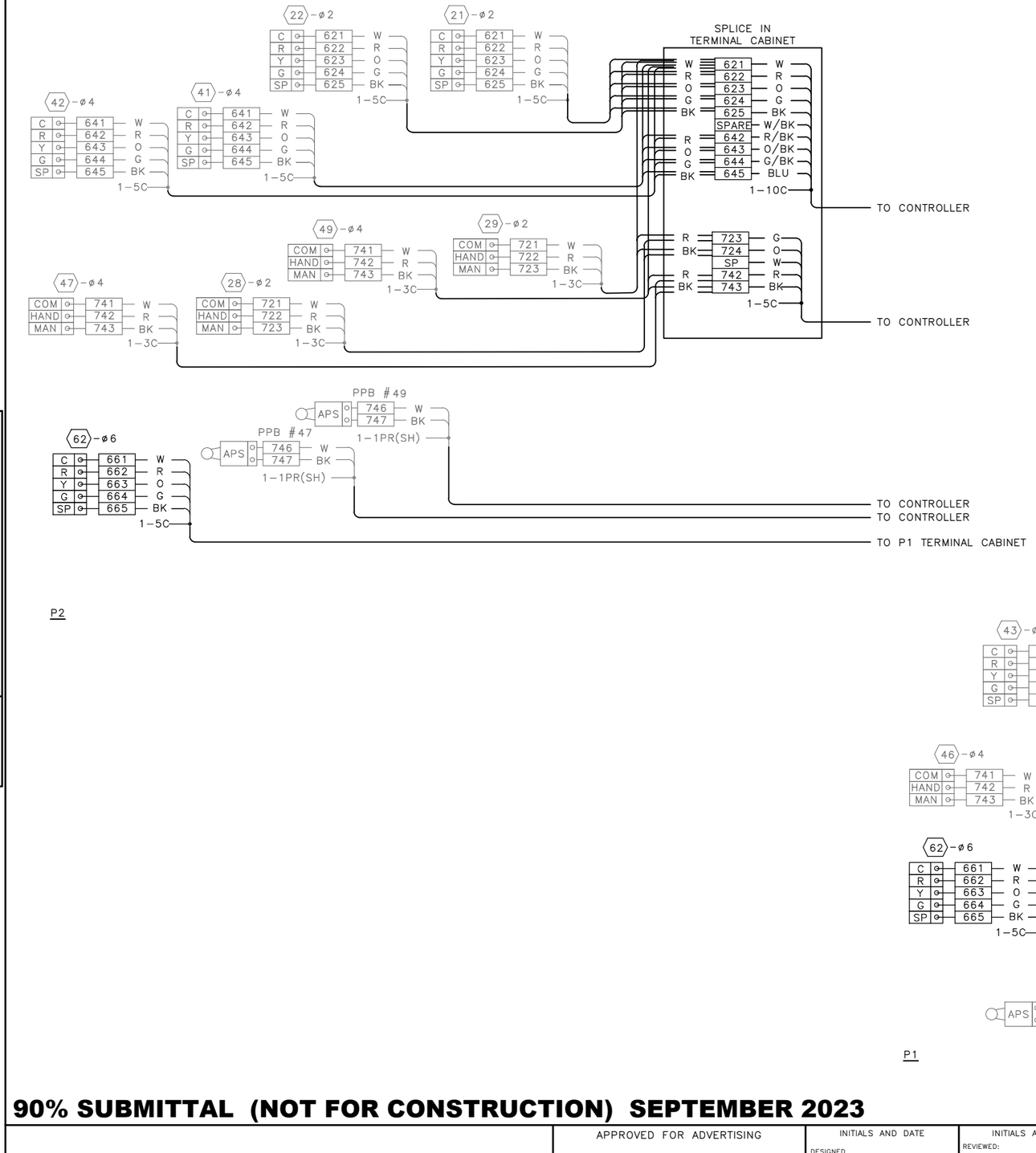
FIELD TERMINATION DIAGRAM



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	SDOT PROJ. MGR.
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WASHINGTON STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023-028

SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

SG1A

SHEET 40 OF 100

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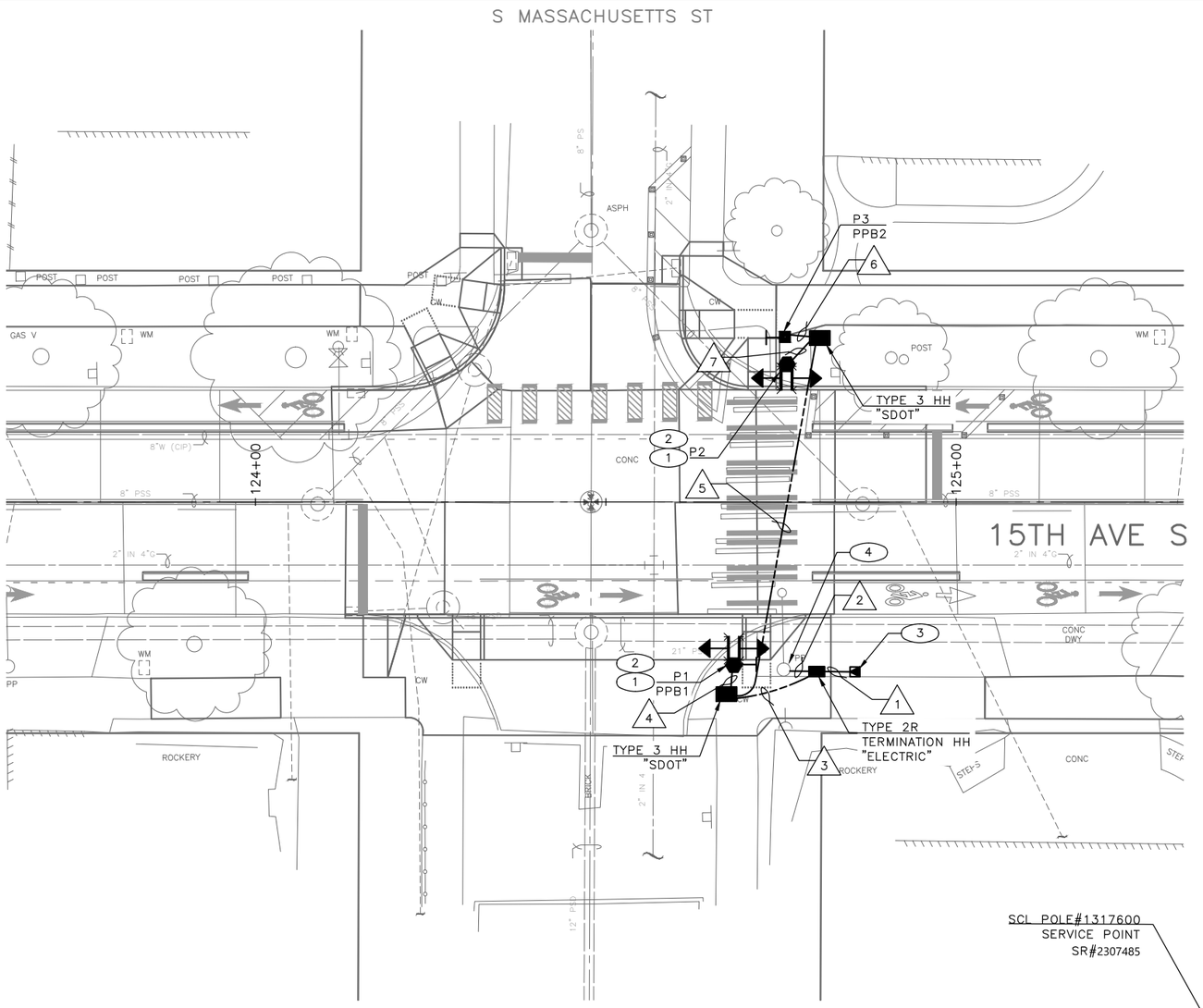
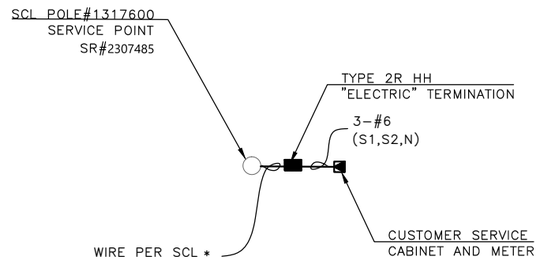




ONE-LINE DIAGRAM
N.T.S

CONSTRUCTION NOTES:

1. INSTALL RRFB PER SDOT STD PLAN. 525.
2. INSTALL WIRELESS COMMUNICATION SYSTEM. INSTALI RAPID FLASHING BEACON ASSEMBLY AND SIGNS ON BOTH SIDES OF THE POLE.
3. INSTALL SERVICE CABINET ON NEW FOUNDATION.
4. INSTALL 3" CONDUIT RISER ON UTILITY POLE PER SR#XXXXX.

POLE/PEDESTAL SCHEDULE

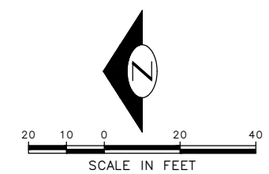
POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	POLE HEIGHT	POLE FOUNDATION
P1	XX+XX.XX, XXFT	STEEL PEDESTAL	14	STD. PLAN NO. 525
P2	XX+XX.XX, XXFT	STEEL PEDESTAL	14	STD. PLAN NO. 525
P3	XX+XX.XX, XXFT	PPB POST	4.5	STD. PLAN NO. 521

(PPB) PUSHBUTTON MOUNTING SCHEDULE

PPB NO.	POLE NO.	LOCATION (0° AZIMUTH CLOCKWISE)	NOTES
PPB1	P1	0	
PPB2	P3	0	

WIRING SCHEDULE

RUN NO	CONDUIT SIZE	CONDUCTORS	GROUND	COMMENTS
1	2" SDOT	3-#6	1-#6	
2	3" SDOT	*		PER SCL
3	2-2" SDOT			
4	2" SDOT			
5	2-3" SDOT	2-#6	1-#6	
6	1" SDOT			
7	2" SDOT	2-#6	1-#6	



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WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 47675

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG2
SHEET 41 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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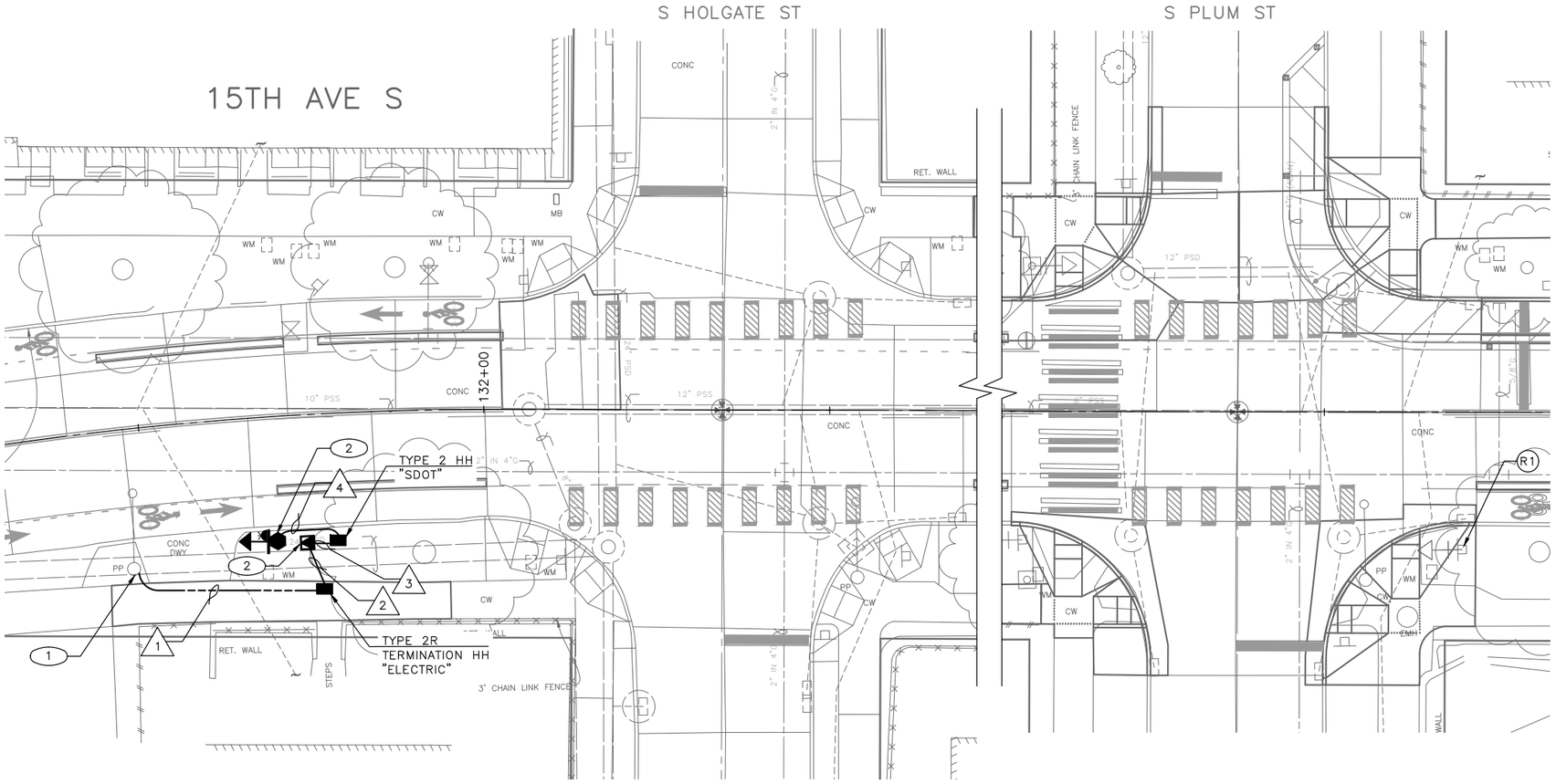
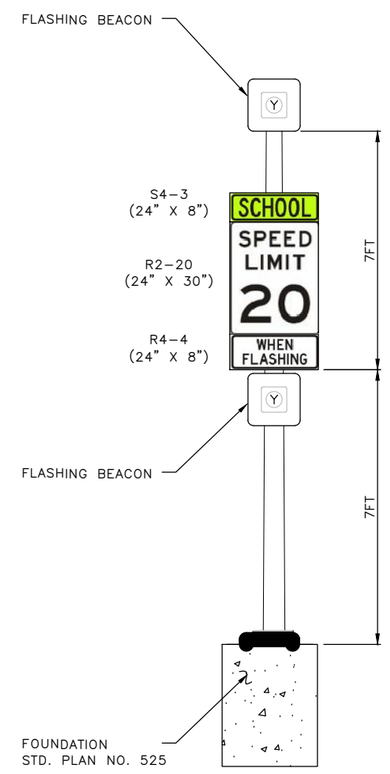


CONSTRUCTION NOTES:

1. INSTALL 3" CONDUIT RISER ON UTILITY POLE PER SR#XXXXX.
2. INSTALL SERVICE CABINET ON NEW FOUNDATION.
3. INSTALL FLASHING BEACON SYSTEM ON NEW POLE.

REMOVAL NOTES:

R1. DISCONNECT AND REMOVE EXISTING FLASHING BEACON SYSTEM AND ALL ASSOCIATED WIRING. REMOVE SIGNS AND AND POLE. COORDINATE POWER DISCONNECT WITH SCL.



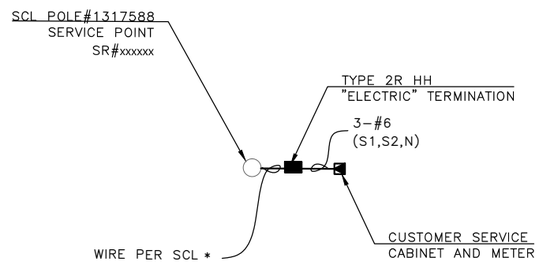
ADVANCE FLASHING BEACON

POLE/PEDESTAL SCHEDULE

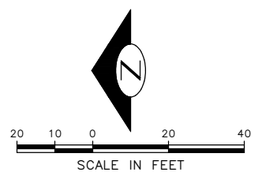
POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	POLE HEIGHT (FT)	POLE FOUNDATION
P1	XX+XX.XX, XXFT	STEEL PEDESTAL	14	STD. PLAN NO. 525

WIRING SCHEDULE

RUN NO	CONDUIT SIZE	CONDUCTORS	GROUND	COMMENTS
1	3" SERVICE	*		PER SCL
2	2" SDOT	*		PER SCL
3	2" SDOT	2-#6	1-#6	
4	2" SDOT	2-#6	1-#6	



ONE-LINE DIAGRAM
N.T.S



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WASHINGTON STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG3
SHEET 42 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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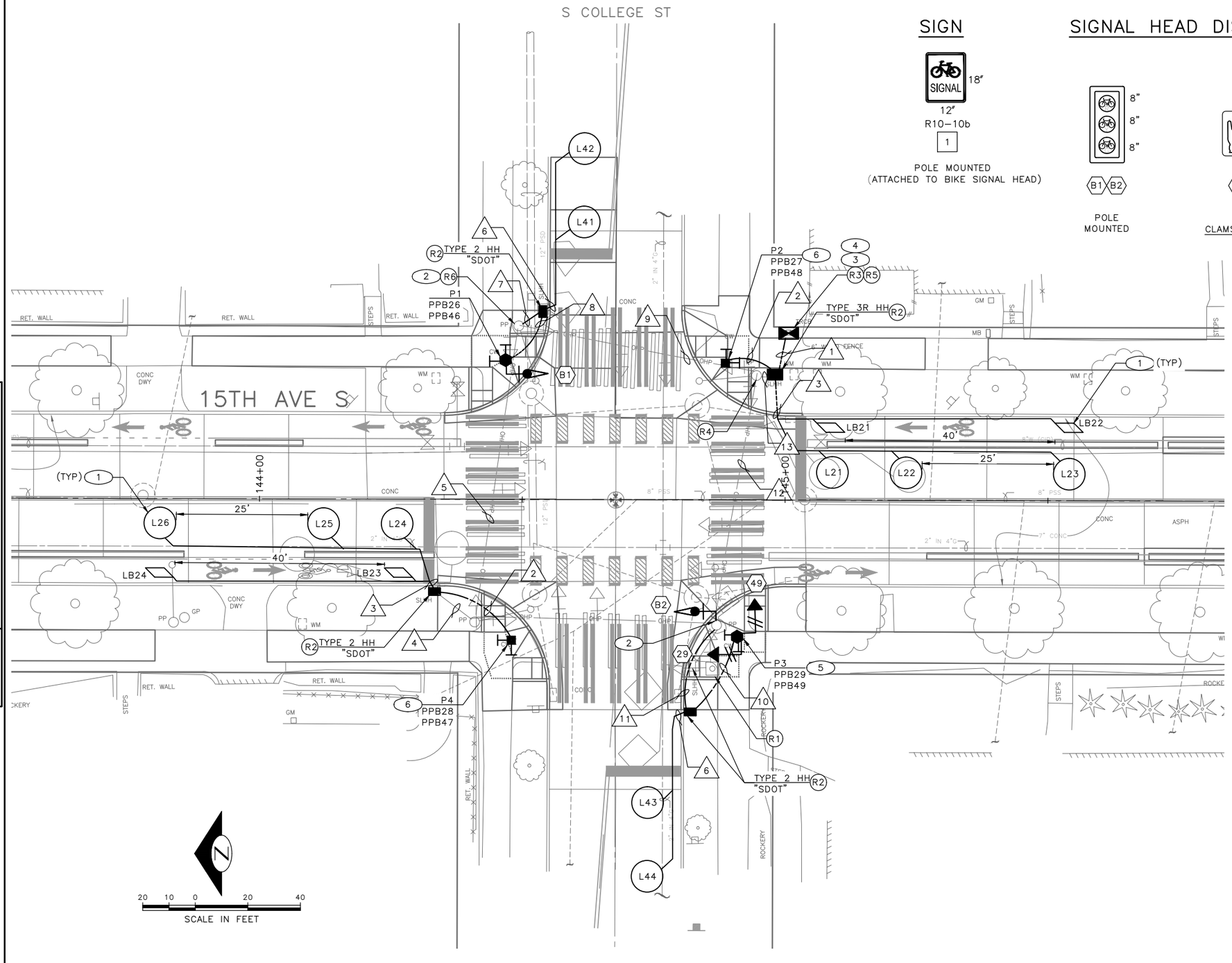

SIGN

POLE MOUNTED
(ATTACHED TO BIKE SIGNAL HEAD)

SIGNAL HEAD DISPLAY

B1 B2

POLE MOUNTED

29 49 LEFT MOUNTED

CLAMSHELL MOUNTED

EXISTING PHASE DIAGRAM

1 NOT USED	2	3 NOT USED	4
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE
PEDESTRIAN

PROPOSED PHASE DIAGRAM

1 NOT USED	2	3 NOT USED	4
5 NOT USED	6	7 NOT USED	8 NOT USED

VEHICLE
PEDESTRIAN
BIKE

REMOVAL NOTES:

(R1) REMOVE AND SALVAGE STREET NAME SIGNS. REMOVE EX. PEDESTRIAN PUSHBUTTONS, PEDESTRIAN SIGNAL HEADS AND ALL ASSOCIATED WIRING. REMOVE PEDESTAL AND FOUNDATIONS.

(R2) REMOVE EXISTING HANDHOLE.

(R3) LABEL AND DISCONNECT ALL SIGNAL WIRING FROM EXISTING CABINET TERMINAL BLOCKS AND PULL BACK TO ADJACENT HANDHOLE. PROTECT WIRE LEADS. TEMPORARY RELOCATE AND SECURE TRAFFIC SIGNAL CABINET ON ADJACENT HANDHOLE WITH A TEMPORARY CONTROLLER CABINET FRAMING APPARATUS DURING FOUNDATION WORK. ESTABLISH A TEMPORARY CONNECTION FOR ALL SIGNAL WIRING AND REACTIVATE EXISTING SIGNAL CONTROLLER TO MAINTAIN TRAFFIC SIGNAL OPERATION UNTIL NEW TRAFFIC SIGNAL CONTROLLER IS READY.

(R4) REMOVE ACCESS POINT AND ALL ASSOCIATED WIRING.

(R5) REMOVE EXISTING SIGNAL CONTROLLER CABINET FOUNDATION.

(R6) REMOVE EX. PEDESTRIAN PUSHBUTTONS AND ALL ASSOCIATED WIRING AND RISERS.

CONSTRUCTION NOTES:

(1) INSTALL DETECTOR LOOP, SEE SCHEDULE.

(2) INSTALL 2" CONDUIT RISER ON EXISTING WOOD POLE.

(3) CONSTRUCT TYPE II SIGNAL CONTROLLER CABINET FOUNDATION.

(4) FURNISH AND INSTALL TYPE II PLUS SIGNAL CONTROLLER CABINET ON NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL FACE NORTH. RE-TERMINATE ALL EXISTING WIRING IN THE NEW CABINET.

(5) INSTALL SALVAGED STREET NAME SIGNS.

(6) INSTALL ADAPTER FOR MOUNTING TWO APS PEDESTRIAN PUSHBUTTONS ON NEW POST.

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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WASSIM M KEBBEH STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG4
SHEET 43 OF 100

WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	LOOP WIRE	LOOP LEAD-IN	PPB 1-PR(SH)	PED HEADS	BIKE SIGNAL HEAD	GROUND	COMMENTS
1	3-3" SDOT	EXISTING		2-3PR, 2-6PR	8	2-3C	2	1-#6	
	2" SDOT							1-#6	
2	1" SDOT	-			2			1-#6	
3	2-2" SDOT		10C						
4	EX. 2"			1-6PR					
5	EX. SPAN	EXISTING		1-6PR	2				
6	2-2" SDOT		4C						
7	2" SDOT			1-3PR	2		1	1-#6	
8	2" SDOT	-			2		1	1-#6	
9	EX. SPAN	EXISTING		1-6PR, 1-3PR	4		1		
10	2" SDOT	-			2	2-3C		1-#6	
11	2" SDOT	-		1-3PR	2	2-3C		1-#6	
12	EX. SPAN	EXISTING		1-3PR	2	2-3C	1		
13	EX. 2-2"	EXISTING		2-3PR, 1-6PR	4	2-3C	2		

LOOP SCHEDULE

LOOP NO.	SIZE	TYPE				BICYCLE DETECTOR PAVEMENT MARKING	PHASE	CHANNEL	NO. TURNS	MEASURED AT HANDHOLE	
		DIPOLE	QUADRUPOLE	STANDARD	PREFORMED					INDUCTANCE	RESISTANCE
L21	6' DIA.		X	X			2				
L22	6' DIA.	X		X			2				
L23	6' DIA.	X		X			2				
L24	6' DIA.		X	X			2				
L25	6' DIA.	X		X			2				
L26	6' DIA.	X		X			2				
L41	6' DIA.		X	X			4				
L42	6' DIA.	X		X			4				
L43	6' DIA.		X	X			4				
L44	6' DIA.	X		X			4				
LB21	*	X		X		X	2				
LB22	*	X		X		X	2				
LB23	*	X		X		X	2				
LB24	*	X		X		X	2				

* PARALLELOGRAM LOOP PER STD PLAN 530b

(PPB) PUSHBUTTON MOUNTING SCHEDULE

PPB NO.	POLE NO.	LOCATION (0° AZIMUTH CLOCKWISE)	PHASE	ARROW DIRECTION LOOKING AT PUSHBUTTON	NOTES
PPB26	P1	90	2	LEFT	CUSTOM MESSAGE
PPB27	P2	270	2	LEFT	CUSTOM MESSAGE
PPB28	P4	270	2	RIGHT	CUSTOM MESSAGE
PPB29	P3	270	2	LEFT	CUSTOM MESSAGE
PPB46	P1	0	4	RIGHT	CUSTOM MESSAGE
PPB47	P4	0	4	LEFT	CUSTOM MESSAGE
PPB48	P2	180	4	LEFT	CUSTOM MESSAGE
PPB49	P3	0	4	LEFT	CUSTOM MESSAGE

SEE STD PLAN 522b FOR PEDESTRIAN PUSHBUTTON ASSEMBLY.
0 ° AZIMUTH = NORTHBOUND

POLE/PEDESTAL SCHEDULE

POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	LENGTH (FT)	FOUNDATION TYPE
P1	XX+XX.XX, XX.XFT	PEDESTAL	10.0	STD PLAN 524
P2	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521
P3	XX+XX.XX, XX.XFT	PEDESTAL	10.0	STD PLAN 524
P4	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521

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WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 47675

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: NONE

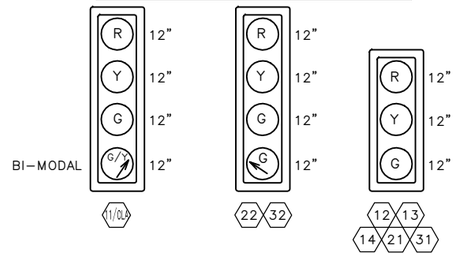
BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG4A
SHEET 44 OF 100

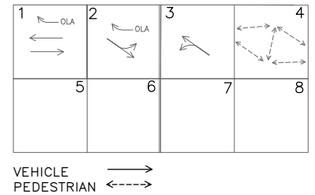
SIGN

SIGN NOTES:
- ATTACHED TO 12" & 8" BIKE SIGNAL HEAD
- POLE MOUNTED BELOW 4" BIKE SIGNAL HEAD

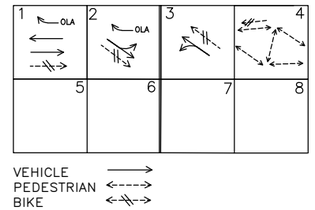
SIGNAL HEAD DISPLAY



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM



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WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	LOOP	LOOP LEAD-IN	PPB 1-PR(SH)	PED SIGNAL HEADS	VEHICLE SIGNAL HEAD	BIKE SIGNAL HEAD	VIDEO DETECTION (VDC)	GROUND	COMMENTS
1	3-3" SDOT	EXISTING. EX. 2-VDC		2-3PR	9	2-5C	5-10C, 1-5C			1-#6	
	2" SDOT	EX. SERVICE								1-#6	
2	EX. 2-2"	EXISTING, EX. 2-VDC			4	1-5C	2-10C				
3	EX. 2-2"			1-3PR	2	1-5C	3-10C				
4	EX. 1"				1						
5	EX. 2-2"										
6	2" SDOT			1-3PR						1-#6	
7	2-2" SDOT			1-3PR	5	1-5C	3-10C			1-#6	
8	2-3" SDOT			2-3PR	5	1-5C	3-10C, 1-5C			1-#6	
9	2" SDOT	EMPTY									
10	2-2" SDOT		4C		1						
11	EX. SPAN										
12	EX. 1"				1						
13	EX. SPAN	EX. 1-VDC			2	2-3C	1-7C, 1-5C	2-5C			
14	EX. SPAN										
15	EX. SPAN						1-7C, 1-5C				
16	EX. SPAN			1-3PR	2	1-5C	2-10C				
17	EX. SPAN			1-3PR	2	1-5C	2-10C, 1-7C, 1-5C				
18	2" SDOT							1-5C			
19	EX. 2"	EXISTING			1						
	EX. 3"										
20	2-2" SDOT			1-3PR				1-5C		1-#6	
21	EX. SPAN	EX. 1-VDC					2-5C				

REMOVAL NOTES:

(R1) REMOVE EXISTING HH.

(R2) LABEL AND DISCONNECT ALL SIGNAL WIRING FROM EXISTING CABINET TERMINAL BLOCKS AND PULL BACK TO ADJACENT HANDHOLE. PROTECT WIRE LEADS. TEMPORARY RELOCATE AND SECURE TRAFFIC SIGNAL CABINET ON ADJACENT HANDHOLE WITH A TEMPORARY CONTROLLER CABINET FRAMING APPARATUS DURING FOUNDATION WORK. ESTABLISH A TEMPORARY CONNECTION FOR ALL SIGNAL WIRING AND REACTIVATE EXISTING SIGNAL CONTROLLER TO MAINTAIN TRAFFIC SIGNAL OPERATION UNTIL NEW TRAFFIC SIGNAL CONTROLLER IS READY.

(R3) REMOVE EXISTING VEHICLE SIGNAL HEAD.

CONSTRUCTION NOTES:

(1) INSTALL DETECTOR LOOP, SEE SCHEDULE.

(2) INSTALL NEW SIGNAL HEAD ON EXISTING POLE.

(3) CONSTRUCT TYPE II SIGNAL CONTROLLER CABINET FOUNDATION.

(4) FURNISH AND INSTALL TYPE IIS SIGNAL CONTROLLER CABINET ON NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL FACE NORTH. RE-TERMINATE ALL EXISTING WIRING IN THE NEW CABINET.

(5) REMOVE EXISTING VEHICLE SIGNAL HEAD AND INSTALL NEW VEHICLE SIGNAL HEAD IN A NEW LOCATION.

(6) INTERCEPT EXISTING CONDUIT AT THE POLE FOUNDATION AND RE-ROUTE TO NEW HANDHOLE.

(7) INSTALL TERMINAL CABINET ON EXISTING POLE.

LOOP SCHEDULE

LOOP NO.	SIZE	TYPE: DIPOLE	TYPE: QUADRUPOLE	TYPE: STANDARD	TYPE: PREFORMED	BICYCLE DETECTOR PAVEMENT MARKING	PHASE	CHANNEL	NO. TURNS	MEASURED AT HANDHOLE: INDUCTANCE	MEASURED AT HANDHOLE: RESISTANCE
LB11	*	X		X			1				
LB12	*	X		X			1				
LB13	*	X		X			1				
LB21	*	X		X			2				
LB22	*	X		X			2				
LB31	*	X		X			3				
LB32	*	X		X			3				

* PARALLELOGRAM LOOP PER STD PLAN 530b

POLE/PEDESTAL SCHEDULE

POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	LENGTH (FT)	FOUNDATION TYPE
P1	XX+XX.XX, XX.XFT	PEDESTAL	10	STD PLAN 524
P2	XX+XX.XX, XX.XFT	PEDESTAL	10	STD PLAN 524

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WASSIM MEDAB 47675 REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON

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JOB PC TRC1059 CO TRC1059
VPI #
SG5A
SHEET 46 OF 100

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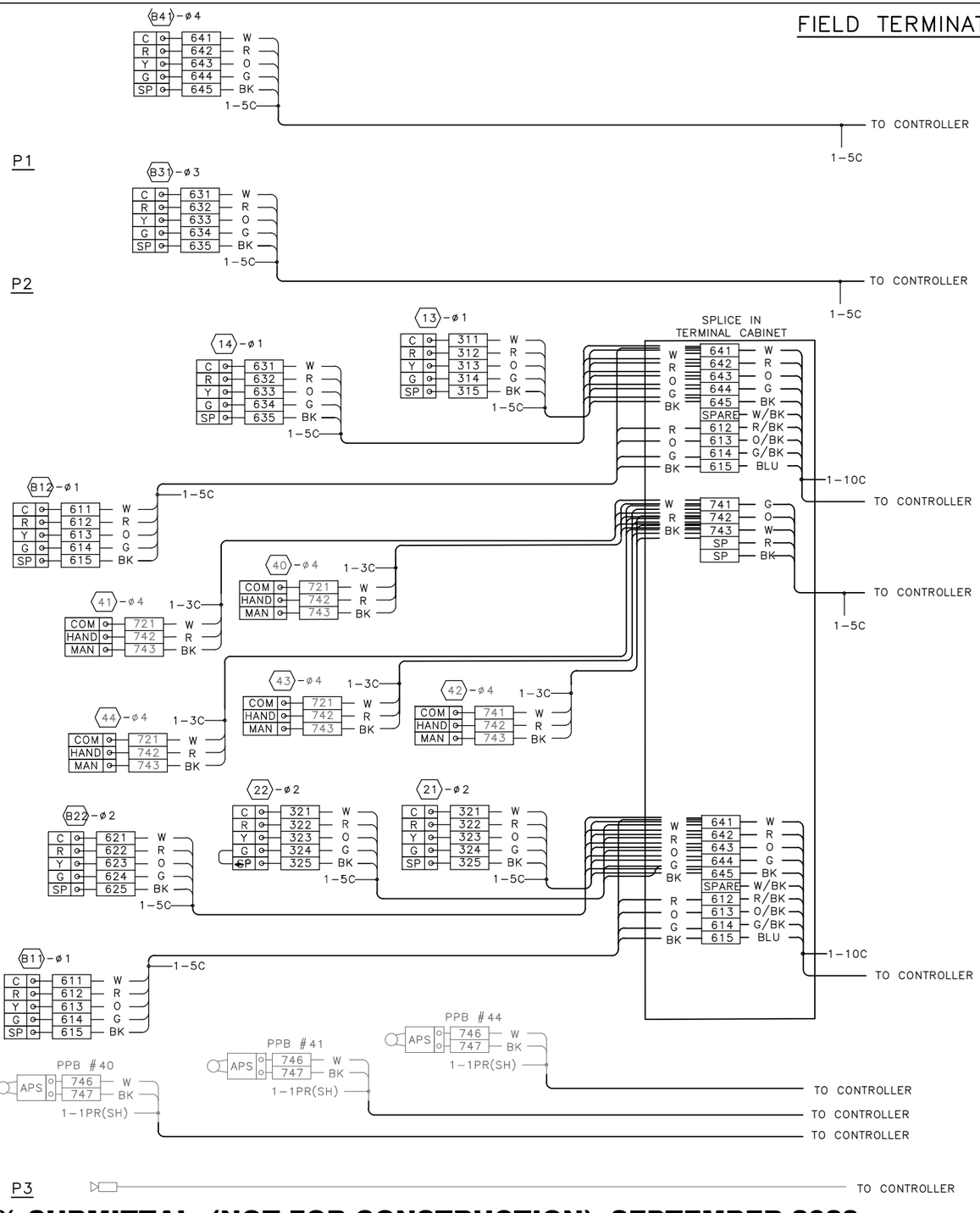
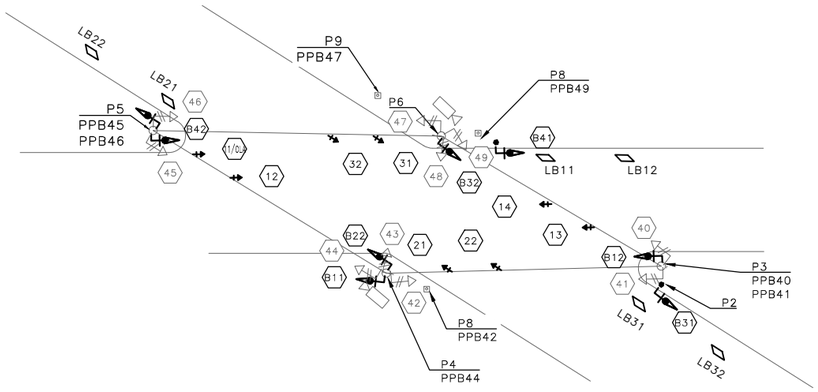
FIELD TERMINATION DIAGRAM





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APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . BY: . . . . . PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	Seattle Department of Transportation ORDINANCE NO. PW NO. 2023-028 SCALE: NONE	BEACON AVE S AND 15TH AVE S SAFETY PROJECT JOB PC TRC1059 CO TRC1059 VPI # SG5B SHEET 47 OF 100

VAULT	SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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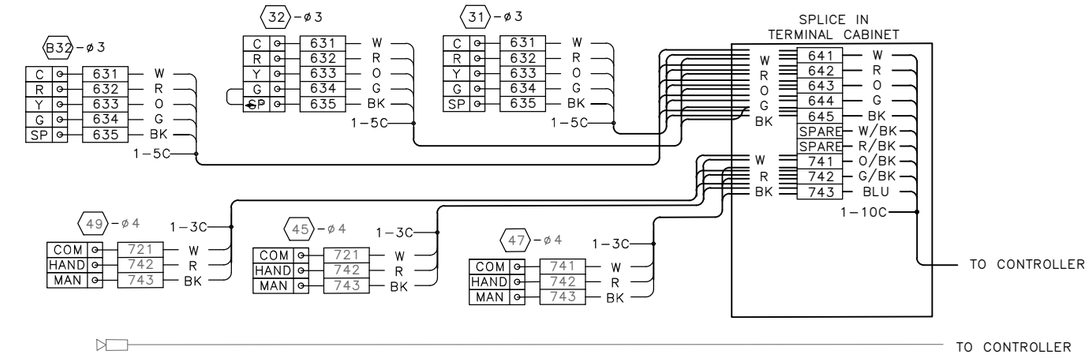
FIELD TERMINATION DIAGRAM

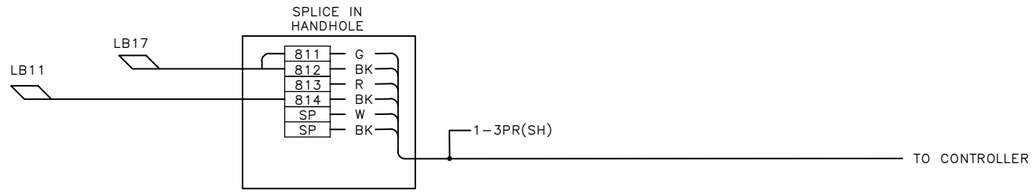


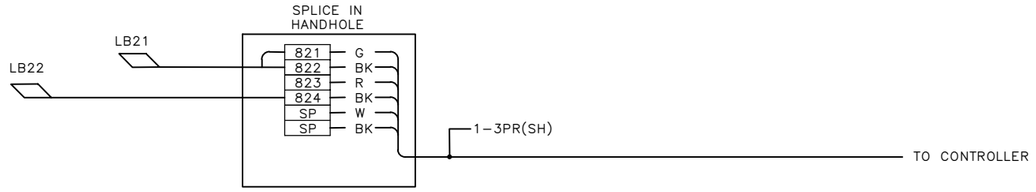
P6

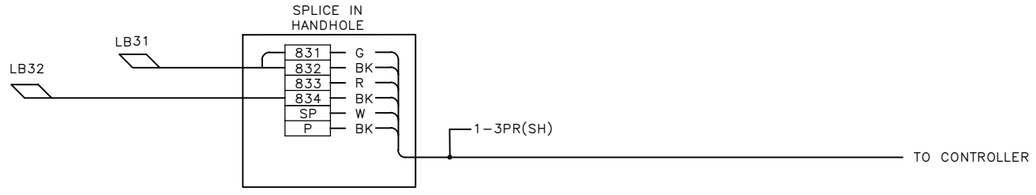
P7

P8

P9







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WASSIM M KEBBEH STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG5C
SHEET 48 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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CABINET TERMINATION DIAGRAM

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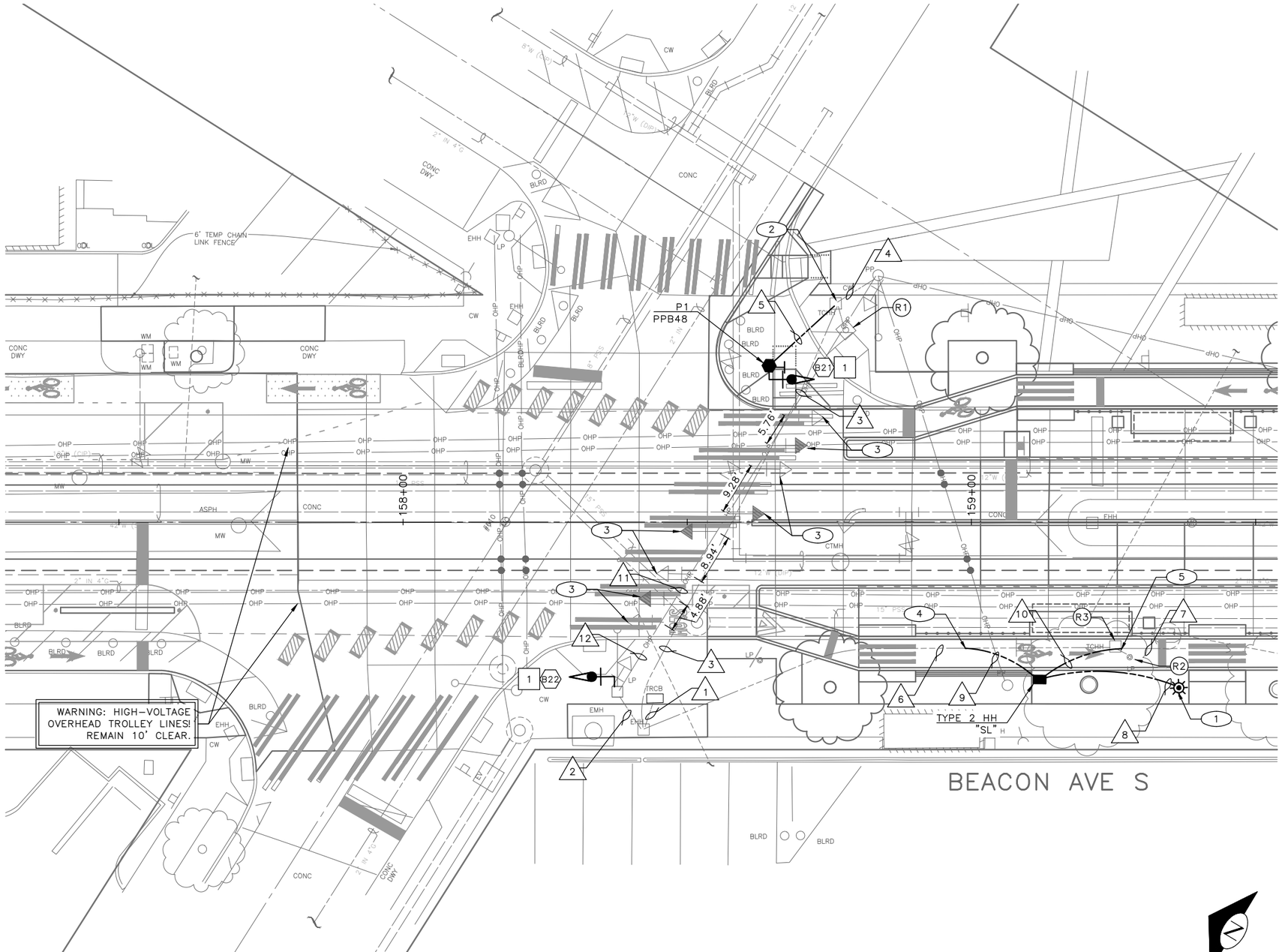
STATE OF WASHINGTON · WASSIM M KHEIRI · 47675 · REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG5D
SHEET 49 OF 100



EXISTING PHASE DIAGRAM

1 NOT USED	2 ← →	3 NOT USED	4 ↕
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE →
PEDESTRIAN ←- -→

PROPOSED PHASE DIAGRAM

1 NOT USED	2 ←→ ←→ ←→	3 NOT USED	4 ↕
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE →
PEDESTRIAN ←- -→
BIKE ←-·-→

REMOVAL NOTES:

(R1) REMOVE EX. PEDESTRIAN PUSHBUTTON AND ALL ASSOCIATED WIRING. REMOVE PEDESTRIAN PUSHBUTTON POST AND FOUNDATIONS.

(R2) REMOVE AND SALVAGE EXISTING PEDESTRIAN LIGHT FIXTURE AND LIGHT POLE. REMOVE EX. PEDESTRIAN PUSHBUTTON FOUNDATION.

(R3) REMOVE EX. HANDHOLE.

CONSTRUCTION NOTES:

(1) INSTALL SALVAGED PEDESTRIAN LIGHT AND LIGHT POLE ON NEW FOUNDATION.

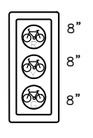
(2) INSTALL NEW CONDUIT INTO EX. HANDHOLE, PER WIRING SCHEDULE.

(3) RELOCATE EXISTING VEHICLE SIGNAL HEAD.

(4) PULL BACK EXISTING WIRES AND INTERCEPT EX. CONDUITS, PER WIRING SCHEDULE.

(5) INTERCEPT EX. CONDUITS, PER WIRING SCHEDULE.

SIGNAL HEAD DISPLAY



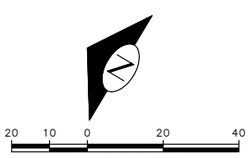
TOP MOUNTED

SIGN

R10-10b

1

POLE MOUNTED



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WASSIM M. EGEAD — STATE OF WASHINGTON — 47675 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023-028

SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

SG6

SHEET 50 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	PPB 1–PR(SH)	VEH SIGNAL HEAD	BIKE SIGNAL HEAD	PED LIGHTING	GROUND	COMMENTS
1	EX. 2–3"	EXISTING	1	2–5C	1			
	EX. 2"	SERVICE						
2	EX. 2"	EXISTING		2–5C	1			
	EX. 2"	EX. 3–#10						
3	EX. 2–3"	EXISTING	1		1			
	EX. 2"	3–#8, 3–#6						
4	EX. 2–2"	EXISTING						
5	2" SDOT	–	1		1		1–#6	
6	EX. 2"	3–#6						
	EX. 2"							EMPTY
7	EX. 2–2"							EMPTY
8	2"	–				3/C #12	1–#6	
9	2–2" SL	3–#6						RE–ROUTE EX. WIRES INTO NEW CONDUIT
10	2–2" SL							EMPTY
11	EX. SPAN	EXISTING		1–5C				
12	EX. SPAN	EXISTING		2–5C				

(PPB) PUSHBUTTON MOUNTING SCHEDULE

PPB NO.	POLE NO.	LOCATION (0° AZIMUTH CLOCKWISE)	PHASE	ARROW DIRECTION LOOKING AT PUSHBUTTON	NOTES
PPB48	P1	0	4	RIGHT	RAPID TICK

SEE STD PLAN 522b FOR PEDESTRIAN PUSHBUTTON ASSEMBLY.
0 ° AZIMUTH = NORTHBOUND

POLE/PEDESTAL SCHEDULE

POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	LENGTH (FT)	FOUNDATION TYPE
P1	XX+XX.XX, XX.XFT	PEDESTAL	10	STD PLAN 524

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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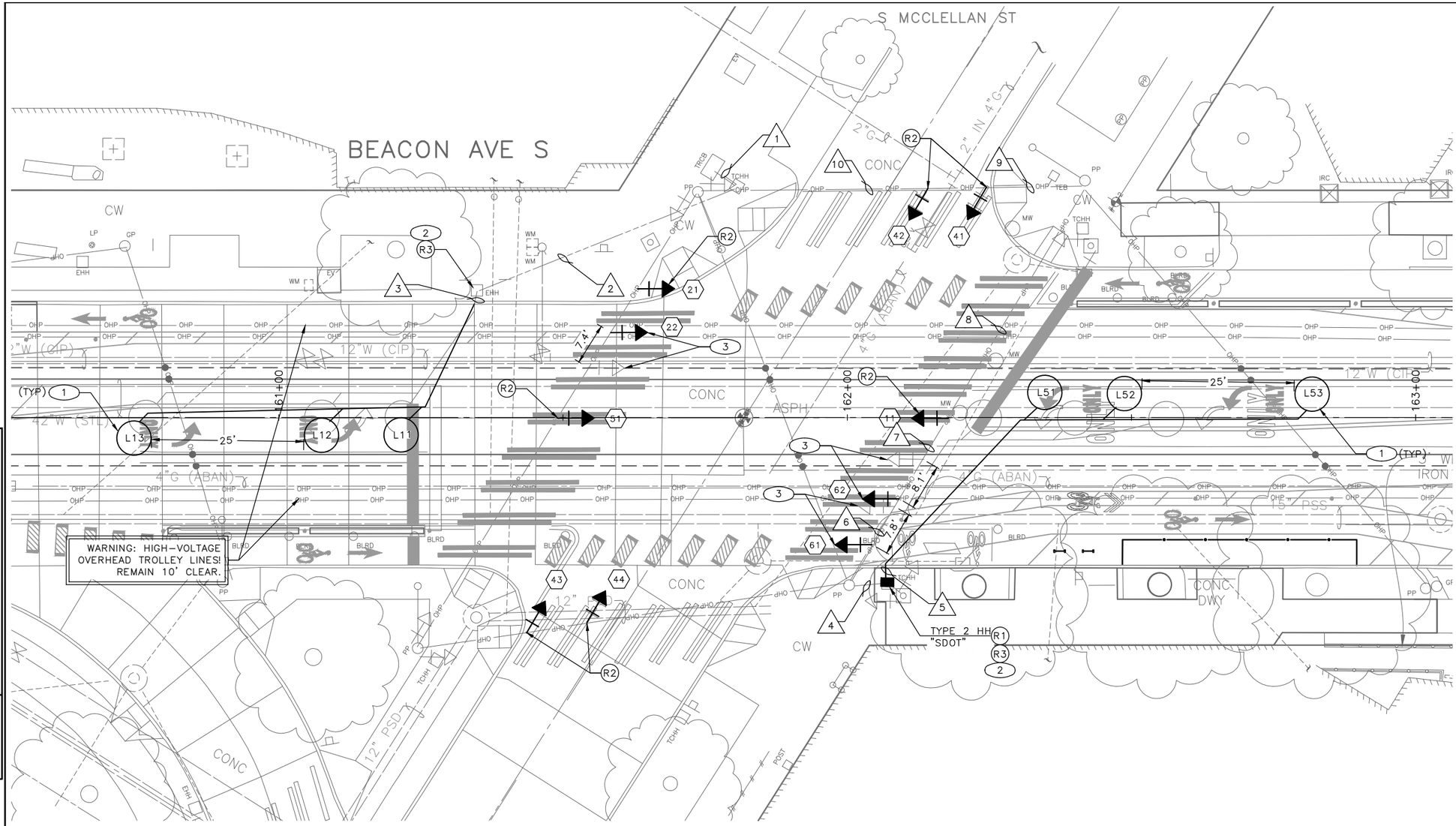
WASSIM M KEBBEH — STATE OF WASHINGTON — 47675 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023–028
SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG6A
SHEET 51 OF 100



EXISTING PHASE DIAGRAM

1	2 OLA	3 NOT USED	4
5	6 OLB	7 NOT USED	8 NOT USED

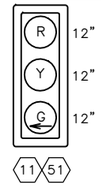
VEHICLE
PEDESTRIAN

PROPOSED PHASE DIAGRAM

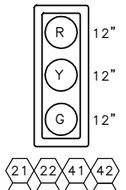
1	2	3 NOT USED	4
5	6	7 NOT USED	8 NOT USED

VEHICLE
PEDESTRIAN
BIKE

SIGNAL HEAD DISPLAY



SPAN MOUNTED



SPAN MOUNTED

REMOVAL NOTES:

- (R1) REMOVE EX. HANDHOLE.
- (R2) REMOVE EXISTING VEHICLE SIGNAL HEAD.
- (R3) CUT AND TERMINATE ABANDONED LOOP WIRES.

CONSTRUCTION NOTES:

- (1) INSTALL DETECTOR LOOP, SEE SCHEDULE.
- (2) SPLICE LOOP WIRES TO EXISTING LOOP LEAD-IN.
- (3) REMOVE EXISTING VEHICLE SIGNAL HEAD AND INSTALL NEW VEHICLE SIGNAL HEAD IN A NEW LOCATION.

20 10 0 20 40
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WASSIM M KHALID — STATE OF WASHINGTON — 47675 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG7
SHEET 52 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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LOOP SCHEDULE

LOOP NO.	SIZE	TYPE				BICYCLE DETECTOR PAVEMENT MARKING	PHASE	CHANNEL	NO. TURNS	MEASURED AT HANDHOLE	
		DIPOLE	QUADRUPOLE	STANDARD	PREFORMED					INDUCTANCE	RESISTANCE
L11	6' DIA.		X	X			1				
L12	6' DIA.	X		X			1				
L13	6' DIA.	X		X			1				
L51	6' DIA.		X	X			5				
L52	6' DIA.	X		X			5				
L53	6' DIA.	X		X			5				

WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	LOOP	LOOP LEAD-IN 1PR(SH)	VEH SIGNAL HEAD	GROUND	COMMENTS
1	EX. 2-3"	EXISTING			2-5C		
2	EX. 2"	1PR(SH)					
3	EX. 2-2"		6-1C				REMOVE EXISTING LOOP WIRES
4	EX. 2"	1PR(SH)					
5	2-2" SDOT	-	6-1C				
6	EX. SPAN	EXISTING			1-5C		
7	EX. SPAN	EXISTING			2-5C		
8	EX. SPAN	EXISTING			2-5C		
9	EX. SPAN	EXISTING			2-5C		
10	EX. SPAN	EXISTING			2-5C		

VAULT SERIAL NO. | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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WASSIM M KESEIBI STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
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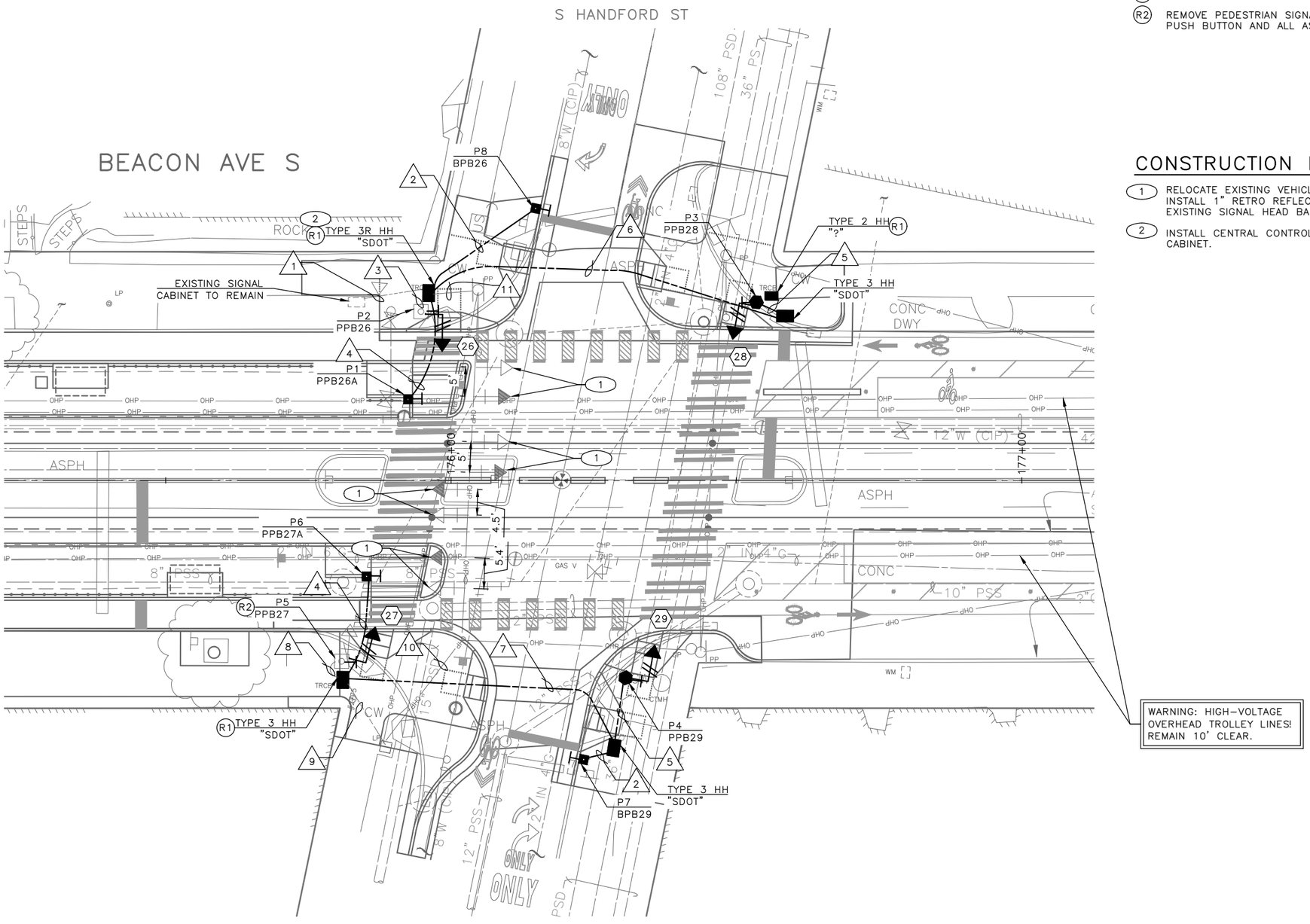
SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG7A
SHEET 53 OF 100



REMOVAL NOTES:

(R1) REMOVE EX. HANDHOLE.

(R2) REMOVE PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSH BUTTON AND ALL ASSOCIATED WIRING.

CONSTRUCTION NOTES:

(1) RELOCATE EXISTING VEHICLE SIGNAL HEAD AND INSTALL 1" RETRO REFLECTIVE TAPE AROUND EXISTING SIGNAL HEAD BACKPLATE BORDER.

(2) INSTALL CENTRAL CONTROL UNIT IN EXISTING SIGNAL CABINET.

EXISTING PHASE DIAGRAM

1 ← →	2 ↕	3 NOT USED	4 NOT USED
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE →
PEDESTRIAN <--->

PROPOSED PHASE DIAGRAM

1 ← →	2 ↕ ↕	3 NOT USED	4 NOT USED
5 NOT USED	6 NOT USED	7 NOT USED	8 NOT USED

VEHICLE →
PEDESTRIAN <--->
BIKE <-//->

SIGNAL HEAD DISPLAY

LED

12

27 28 29 RIGHT MOUNTED

26 LEFT MOUNTED

CLAMSHELL MOUNTED

N

20 10 0 20 40

SCALE IN FEET

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WASSIM M KHALIL — STATE OF WASHINGTON — 47675 — REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation

ORDINANCE NO. PW NO. 2023-028

SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

SG8

SHEET 54 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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POLE/PEDESTAL SCHEDULE

POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	LENGTH (FT)	FOUNDATION TYPE
P1	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521
P3	XX+XX.XX, XX.XFT	PEDESTAL	10	STD PLAN 524
P4	XX+XX.XX, XX.XFT	PEDESTAL	10	STD PLAN 524
P6	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521
P7	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521
P8	XX+XX.XX, XX.XFT	PPB POST	4.5	STD PLAN 521

(PPB/BPB) PUSHBUTTON MOUNTING SCHEDULE

PPB NO.	POLE NO.	LOCATION (0° AZIMUTH CLOCKWISE)	PHASE	ARROW DIRECTION LOOKING AT PUSHBUTTON	NOTES
PPB26	P2	180	2	LEFT	RAPID TICK
PPB26A	P1	180	2	LEFT	RAPID TICK
BPB26	P8	190	2	LEFT	–
PPB27A	P6	180	2	RIGHT	RAPID TICK
PPB27	P5	180	2	RIGHT	–
PPB28	P3	0	2	RIGHT	RAPID TICK
BPB29	P7	10	2	LEFT	RAPID TICK
PPB29	P4	0	2	LEFT	RAPID TICK

SEE STD PLAN 522b FOR PEDESTRIAN PUSHBUTTON ASSEMBLY.
0 ° AZIMUTH = NORTHBOUND

WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	PED HEADS	PPB/BPB 1–PR(SH)		GROUND	COMMENTS
1	EX. 2–3"	EXISTING		6			
2	1" SDOT			1		1–#6	
3	EX. 2"	1–3C, 1–PR(SH)					
4	1" SDOT			1		1–#6	
5	2" SDOT	–	1	1		1–#6	
6	2–3" SDOT	–	1	1		1–#6	
7	2–3" SDOT	–	1	2		1–#6	
8	EX. 2"	1–PR(SH), 1–3C					
9	EX. 2" SDOT	1–PR(SH), 1–3C	1	2			
	EX. 2" SL	EX.					
10	EX. SPAN	1–PR(SH), 1–3C	2	3			
11	EX. 2–2"	EXISTING		3			

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NATURE	REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK

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Seattle Department of Transportation
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SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG8A
SHEET 55 OF 100

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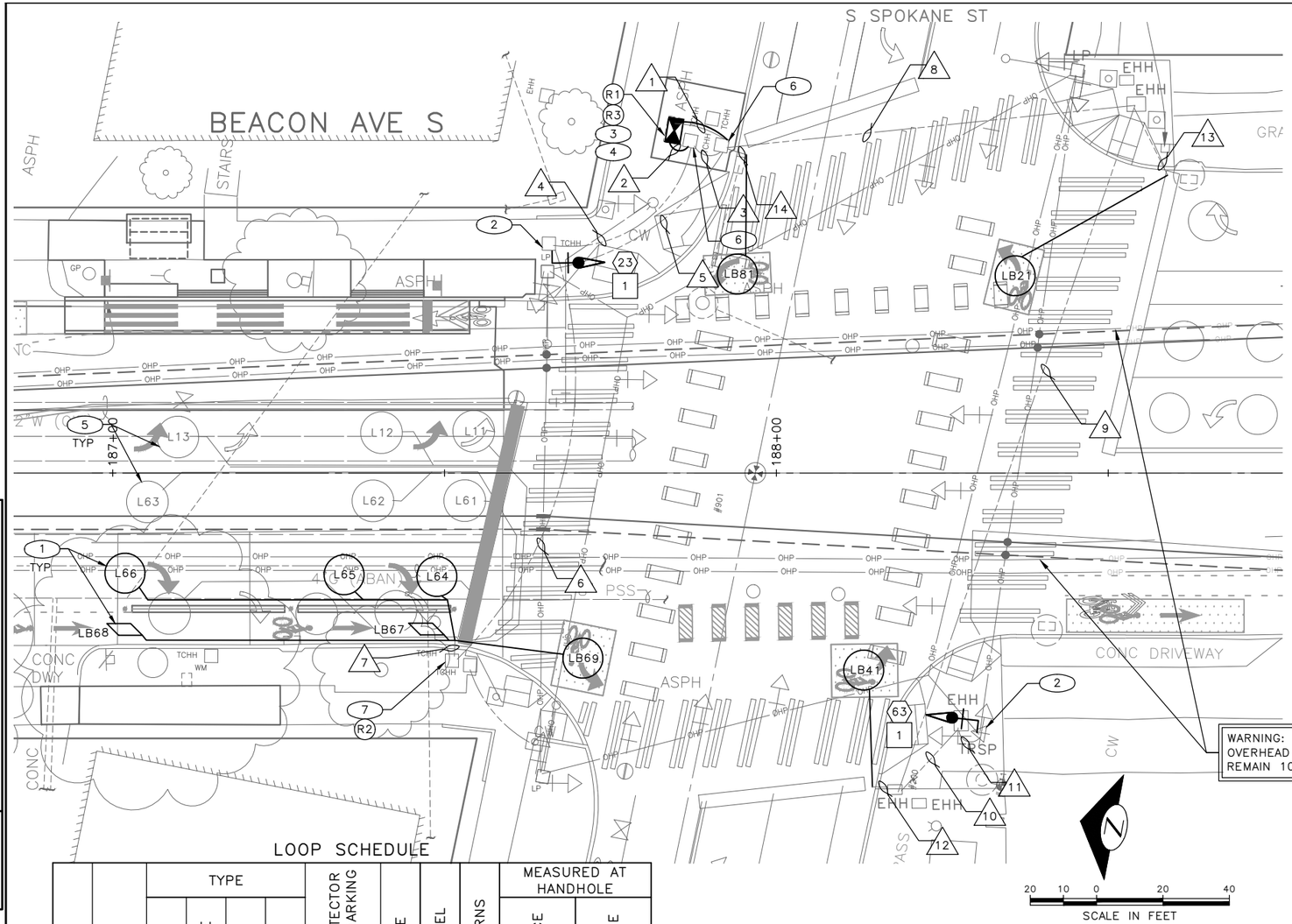


REMOVAL NOTES:

(R1) LABEL AND DISCONNECT ALL SIGNAL WIRING FROM EXISTING CABINET TERMINAL BLOCKS AND PULL BACK TO ADJACENT HANDHOLE. PROTECT WIRE LEADS. TEMPORARY RELOCATE AND SECURE TRAFFIC SIGNAL CABINET ON ADJACENT HANDHOLE WITH A TEMPORARY CONTROLLER CABINET FRAMING APPARATUS DURING FOUNDATION WORK. ESTABLISH A TEMPORARY CONNECTION FOR ALL SIGNAL WIRING AND REACTIVATE EXISTING SIGNAL CONTROLLER TO MAINTAIN TRAFFIC SIGNAL OPERATION UNTIL NEW TRAFFIC SIGNAL CONTROLLER IS READY.

(R2) CUT AND TERMINATE ABANDONED LOOP WIRES.

(R3) REMOVE EXISTING SIGNAL CONTROLLER CABINET FOUNDATION.

CONSTRUCTION NOTES:

(1) INSTALL DETECTOR LOOP, SEE SCHEDULE.

(2) INSTALL NEW SIGNAL HEAD ON EXISTING POLE.

(3) CONSTRUCT TYPE III SIGNAL CONTROLLER CABINET FOUNDATION.

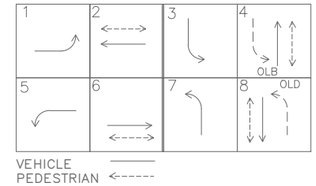
(4) FURNISH AND INSTALL TYPE III SIGNAL CONTROLLER CABINET ON NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL FACE NORTH. RE-TERMINATE ALL EXISTING WIRING IN THE NEW CABINET.

(5) PROTECT EXISTING LOOP WIRES.

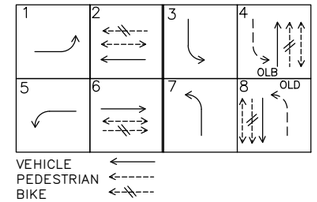
(6) INSTALL NEW CONDUIT INTO EX. HANDHOLE, PER WIRING SCHEDULE.

(7) SPLICE NEW LOOP WIRES TO EXISTING LOOP LEAD-IN.

EXISTING PHASE DIAGRAM



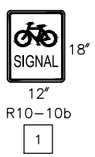
PROPOSED PHASE DIAGRAM



LOOP SCHEDULE

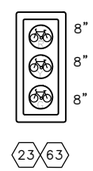
LOOP NO.	SIZE	TYPE: DIPOLE	TYPE: QUADRUPOLE	TYPE: STANDARD	TYPE: PREFORMED	BICYCLE DETECTOR PAVEMENT MARKING	PHASE	CHANNEL	NO. TURNS	MEASURED AT HANDHOLE: INDUCTANCE	MEASURED AT HANDHOLE: RESISTANCE
L64	6'	X		X			6				
L65	6'	X		X			6				
L66	6'	X		X			6				
LB67	*	X		X			6				
LB68	*	X		X			6				
LB21	6'	X		X			2				
LB41	6'	X		X			4				
LB69	6'	X		X			6				
LB81	6'	X		X			8				

SIGN



POLE MOUNTED
(ATTACHED TO BIKE SIGNAL HEAD)

SIGNAL HEAD DISPLAY



POLE
MOUNTED

WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	LOOP WIRES	LOOP LEAD-IN	BIKE SIGNAL HEAD	GROUND	COMMENTS
1	EX. 2-3"	EXISTING		3-1PR			
	2" SDOT					1-#6	
2	3" SDOT			1-1PR	2-5C	1-#6	
3	EX. 2-3"				2-5C		
4	EX. 2-3"	EXISTING		1-1PR			
5	EX. 2-2"				1-5C		
6	EX. 3-3"			1-1PR			
7	EX. 2-2"	EXISTING	12C				
8	EX. 3-3"			2-1PR	1-5C		
9	EX. 3-3"			1-1PR	1-5C		
10	EX. 2-2"				1-5C		
11	EX. 2-2"				1-5C		
12	EX. 2-2"	EXISTING	2C				
13	EX. 2-2"	EXISTING	2C				
14	EX. 2-2"	EXISTING	2C				

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SIGNALS

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ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

WASIM M. KHAB, STATE OF WASHINGTON, 47675, REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG9
SHEET 56 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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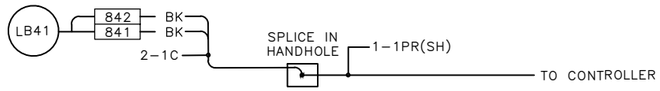
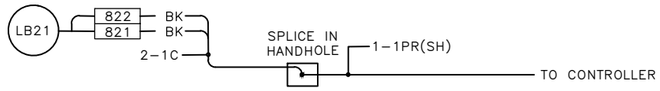
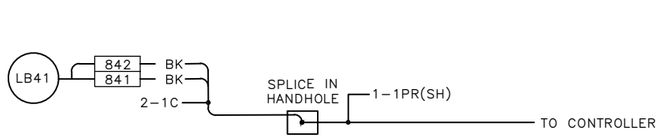
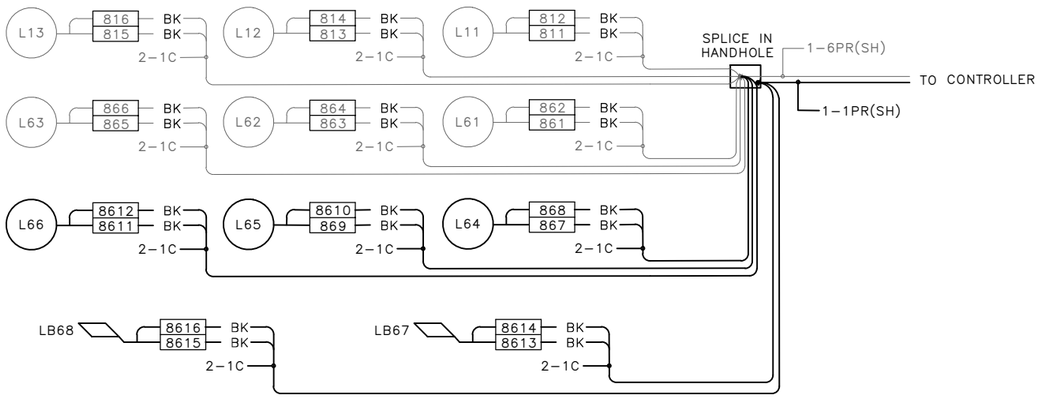
Sep-20-23 7:55am

FIELD TERMINATION DIAGRAM









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MASSIM M KEBEDE STATE OF WASHINGTON 47675 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: NONE

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
SG9A
SHEET 57 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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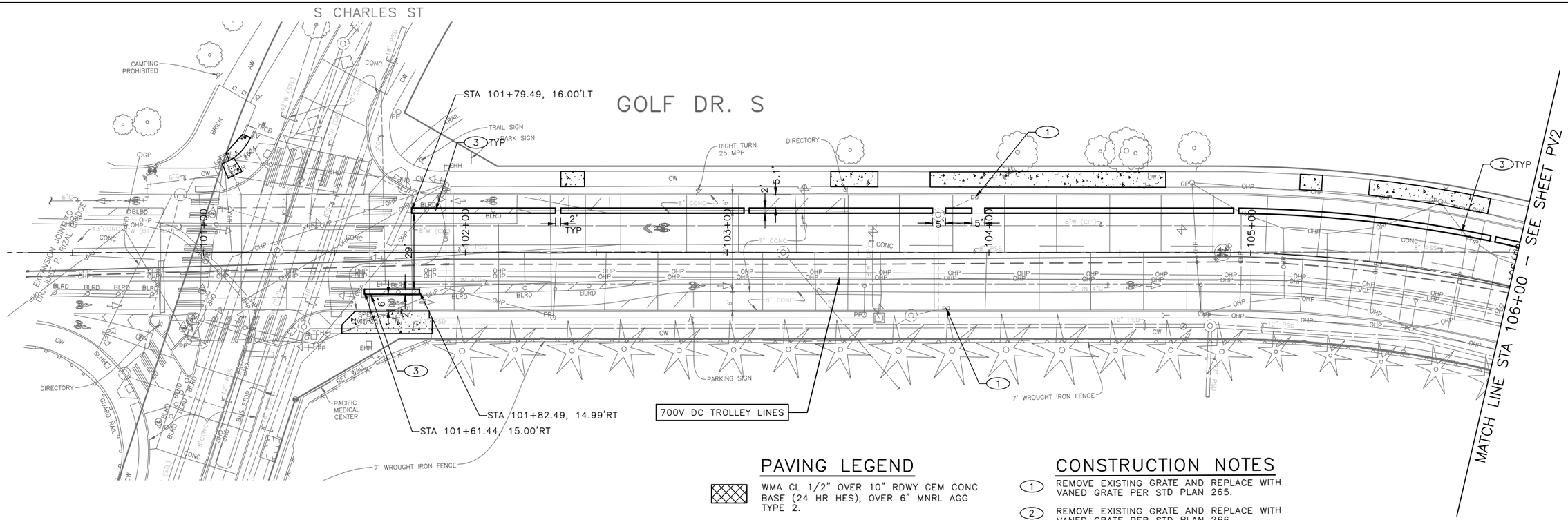

PAVING LEGEND

- WMA CL 1/2" OVER 10" RDWY CEM CONC BASE (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- WMA CL 1/2" OVERLAY (2" DEPTH MIN OR MATCH EX DEPTH)
- HMA CL 1/2" PAVING (3" DEPTH MIN TO 6" DEPTH MAX PER PLAN)
- 10" ROADWAY CEM CONC (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- 12" ROADWAY CEM CONC (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- NOT USED.
- CEM CONC SIDEWALK OR MEDIAN W/ 25% POZZOLANS.
- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
- SEEDED LAWN INSTALLATION OVER AMENDED SOIL PER STD PLAN 142
- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
- DETECTABLE WARNING SURFACE, PER STD PLAN 422K
- PERPENDICULAR CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422A
- DIRECTIONAL CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422D
- CEM CONC CURB PER STD PLAN 410C.
- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

1. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 265.
2. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 266.
3. CEMENT CONCRETE CURB PBL BUFFER, TYPE 1. SEE DETAIL 1 ON PVDT1
4. CEMENT CONCRETE CURB PBL BUFFER, TYPE 2. SEE DETAIL 2 ON PVDT1
5. REMOVE OR RELOCATE BUS SHELTER (BY KC METRO)
6. TREE CANOPY TRIMMING. SEE SECTION 8-02.3(7)A
7. CEM CONC CURB & GUTTER PER STD PLAN 410B.
8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
9. NOT USED.
10. B21 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111.
11. B22 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111. (F52 BUS SHELTER BY KCM)
12. TYPE III SIGN FOOTING PER KCM STD PLAN D104A
13. STREET TREE PER STD PLAN 100A AND 100C. TYPE 1: JAPANESE HORNBEAM (CARPINUS JAPONICA), 2" CALIPER, STREET TREE GRADE. TYPE 2: FIRESPIRE HORNBEAM (CARPINUS CAROLINIANA 'JFS-KW6'), 2" CALIPER, STREET TREE GRADE.
14. INSTALL CAST-IN-PLACE DETECTABLE DIRECTIONAL STRIP, SEE DETAIL ON PVDT1

20 10 0 20 40
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LAWRENTIU DESCHTU STATE OF WASHINGTON 35448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV1
SHEET 58 OF 100

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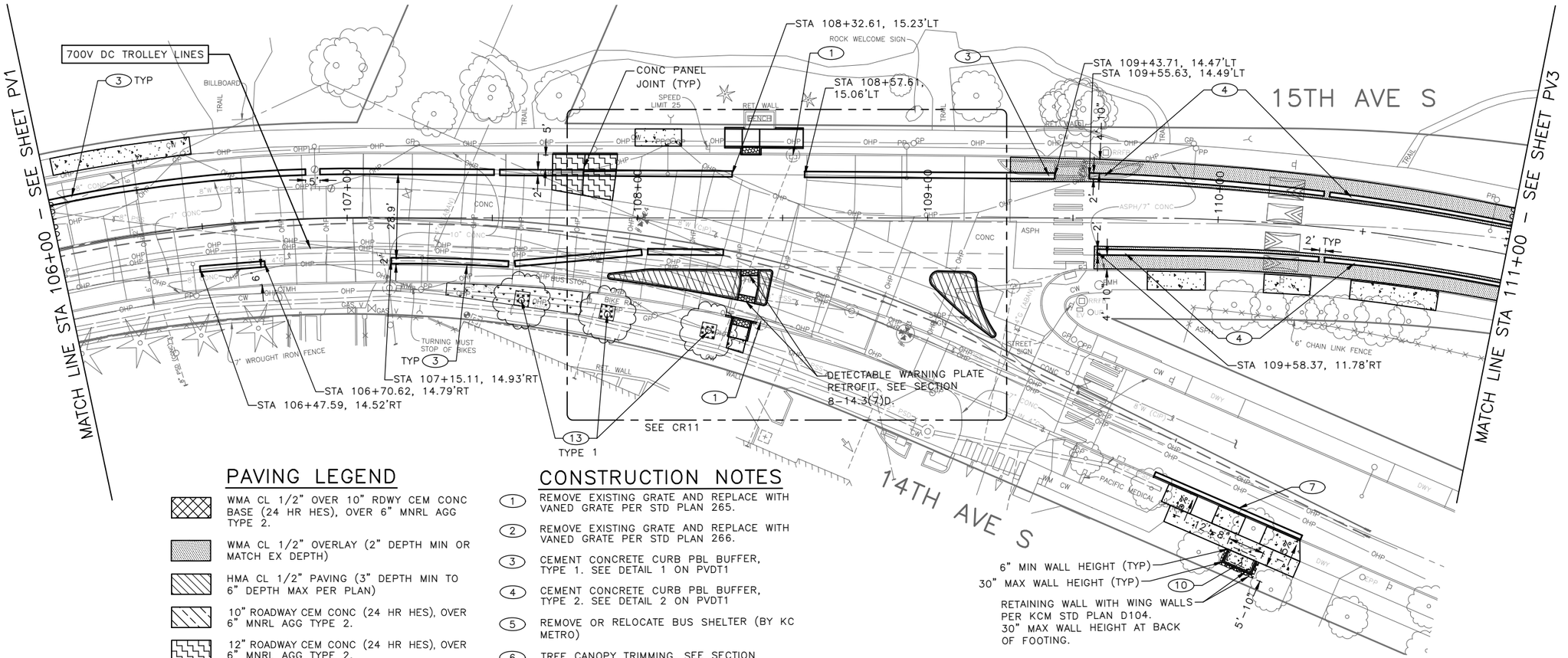

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- NOT USED.
- CEM CONC SIDEWALK OR MEDIAN W/ 25% POZZOLANS.
- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
- SEEDED LAWN INSTALLATION OVER AMENDED SOIL PER STD PLAN 142
- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
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- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

1. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 265.
2. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 266.
3. CEMENT CONCRETE CURB PBL BUFFER, TYPE 1. SEE DETAIL 1 ON PVDT1
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5. REMOVE OR RELOCATE BUS SHELTER (BY KC METRO)
6. TREE CANOPY TRIMMING. SEE SECTION 8-02.3(7)A
7. CEM CONC CURB & GUTTER PER STD PLAN 410B.
8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
9. NOT USED.
10. B21 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111.
11. B22 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111. (F52 BUS SHELTER BY KCM)
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13. STREET TREE PER STD PLAN 100A AND 100C. TYPE 1: JAPANESE HORNBEAM (CARPINUS JAPONICA), 2" CALIPER, STREET TREE GRADE. TYPE 2: FIRESPIRE HORNBEAM (CARPINUS CAROLINIANA 'JFS-KW6'), 2" CALIPER, STREET TREE GRADE.
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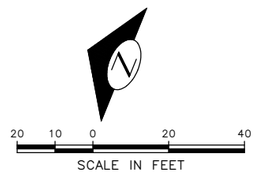

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV2
SHEET 59 OF 100

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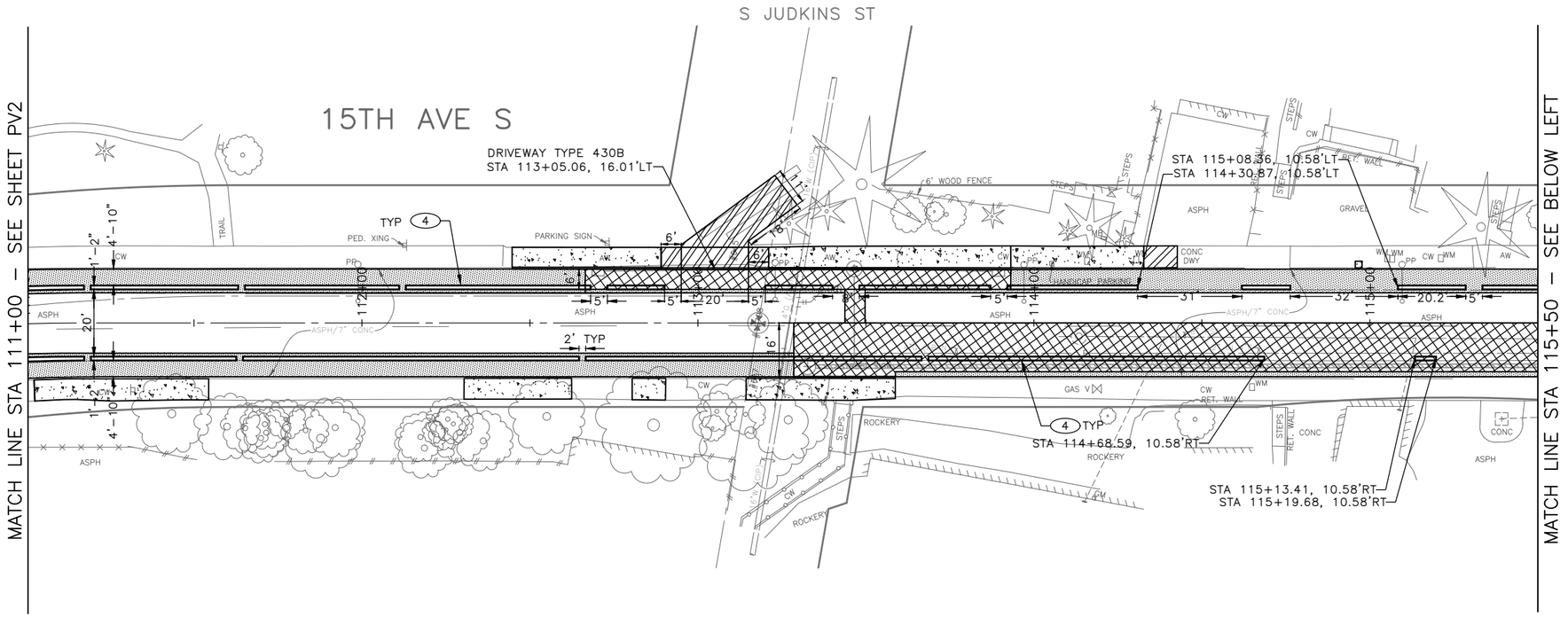

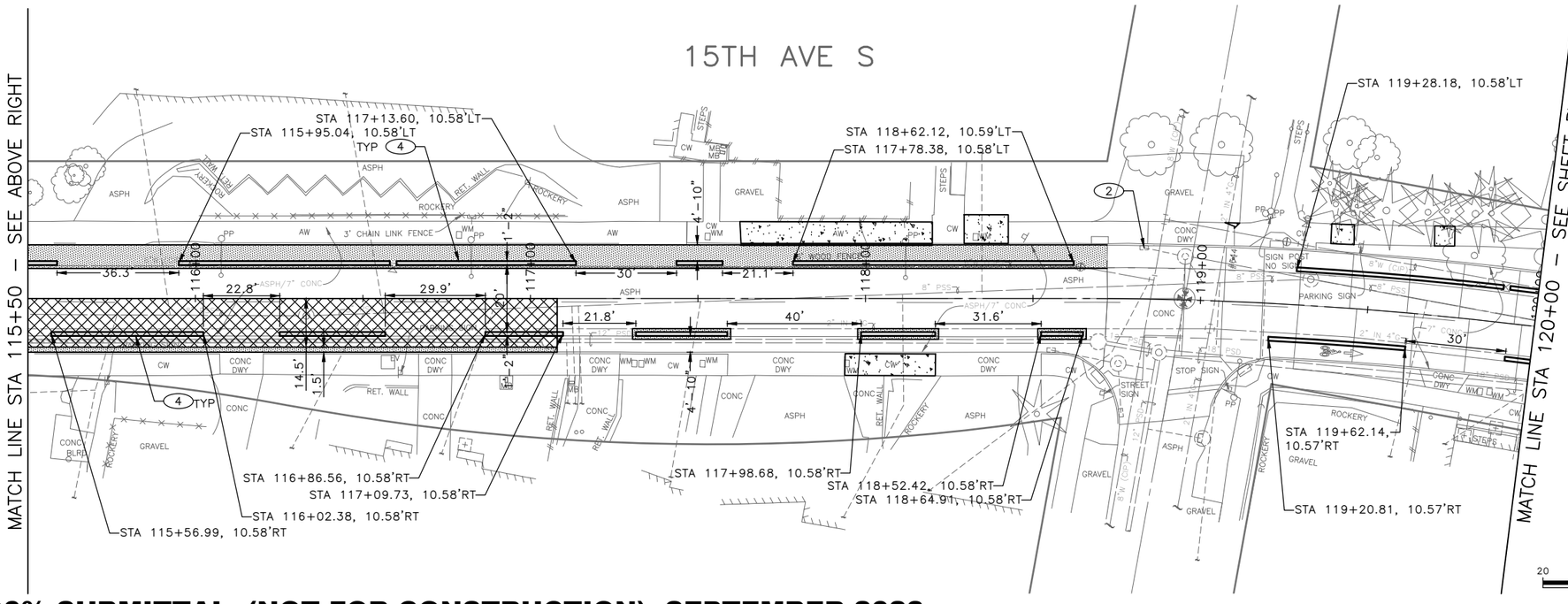

20 10 0 20 40
SCALE IN FEET

PAVING LEGEND

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- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
- SEEDED LAWN INSTALLATION OVER AMENDED SOIL PER STD PLAN 142
- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
- DETECTABLE WARNING SURFACE, PER STD PLAN 422K
- PERPENDICULAR CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422A
- DIRECTIONAL CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422D
- CEM CONC CURB PER STD PLAN 410C.
- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

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2. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 266.
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7. CEM CONC CURB & GUTTER PER STD PLAN 410B.
8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
9. NOT USED.
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV3
SHEET 60 OF 100

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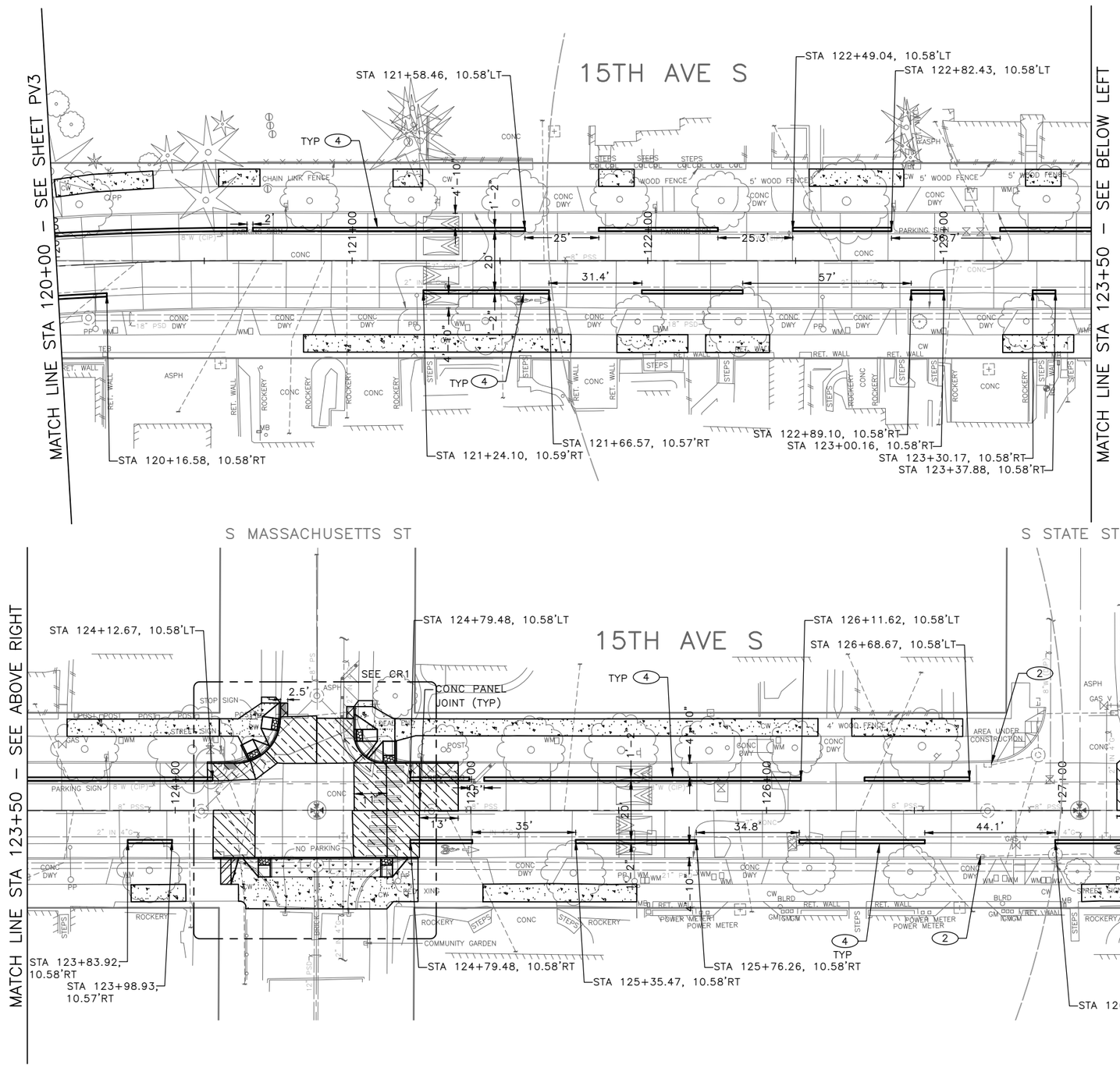

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- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
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- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
- DETECTABLE WARNING SURFACE, PER STD PLAN 422K
- PERPENDICULAR CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422A
- DIRECTIONAL CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422D
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- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

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9. NOT USED.
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11. B22 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111. (F52 BUS SHELTER BY KCM)
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14. INSTALL CAST-IN-PLACE DETECTABLE DIRECTIONAL STRIP, SEE DETAIL ON PVDT1

N

20 10 0 20 40
SCALE IN FEET

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90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

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LAURENTIU DUSCALIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV4
SHEET 61 OF 100

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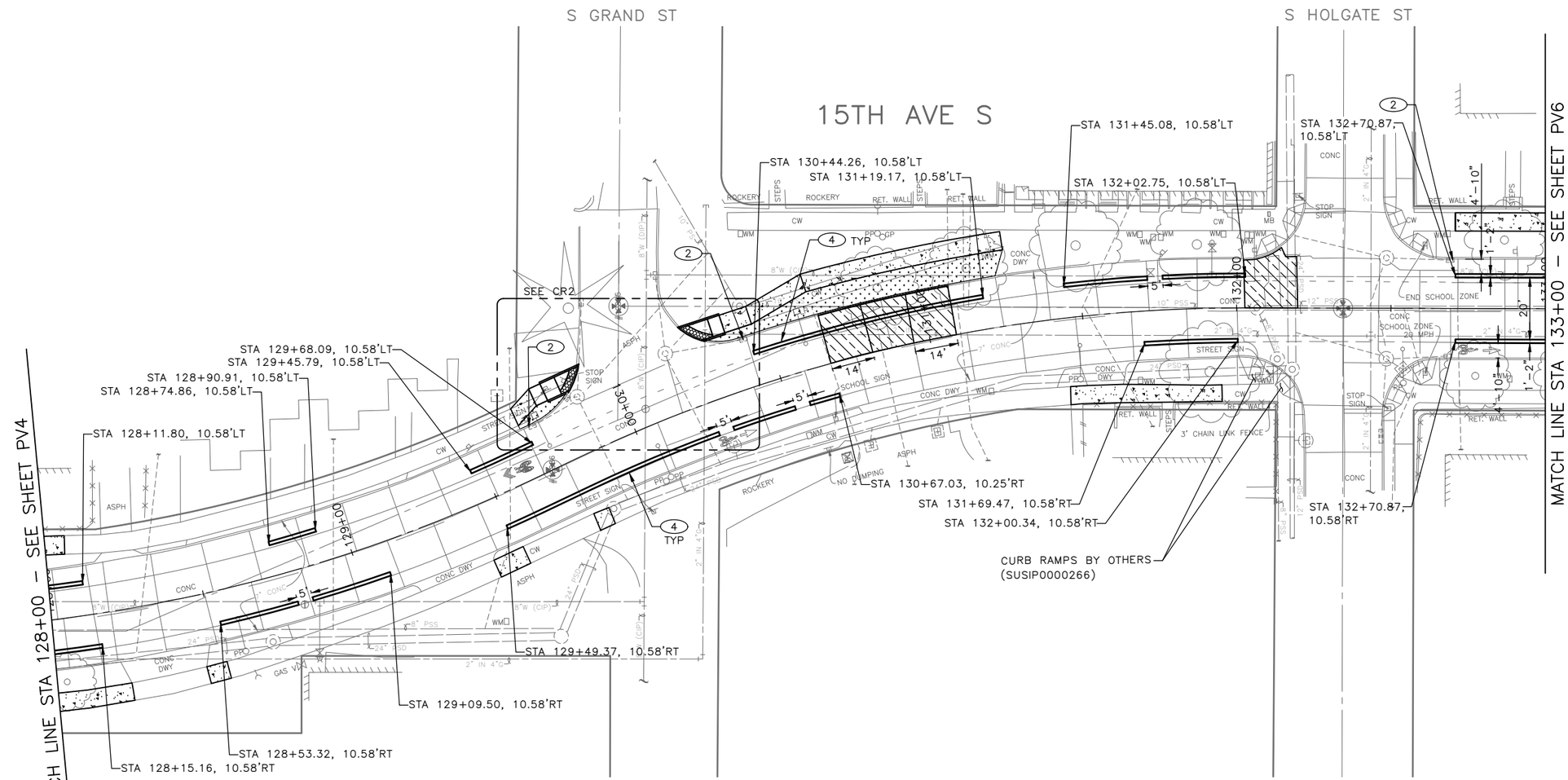
Sep-20-23 7:59am



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- WMA CL 1/2" OVER 10" RDWY CEM CONC BASE (24 HR HES), OVER 6" MNRL AGG TYPE 2.
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- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
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- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
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- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

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3. CEMENT CONCRETE CURB PBL BUFFER, TYPE 1. SEE DETAIL 1 ON PVDT1
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9. NOT USED.
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV5
SHEET 62 OF 100

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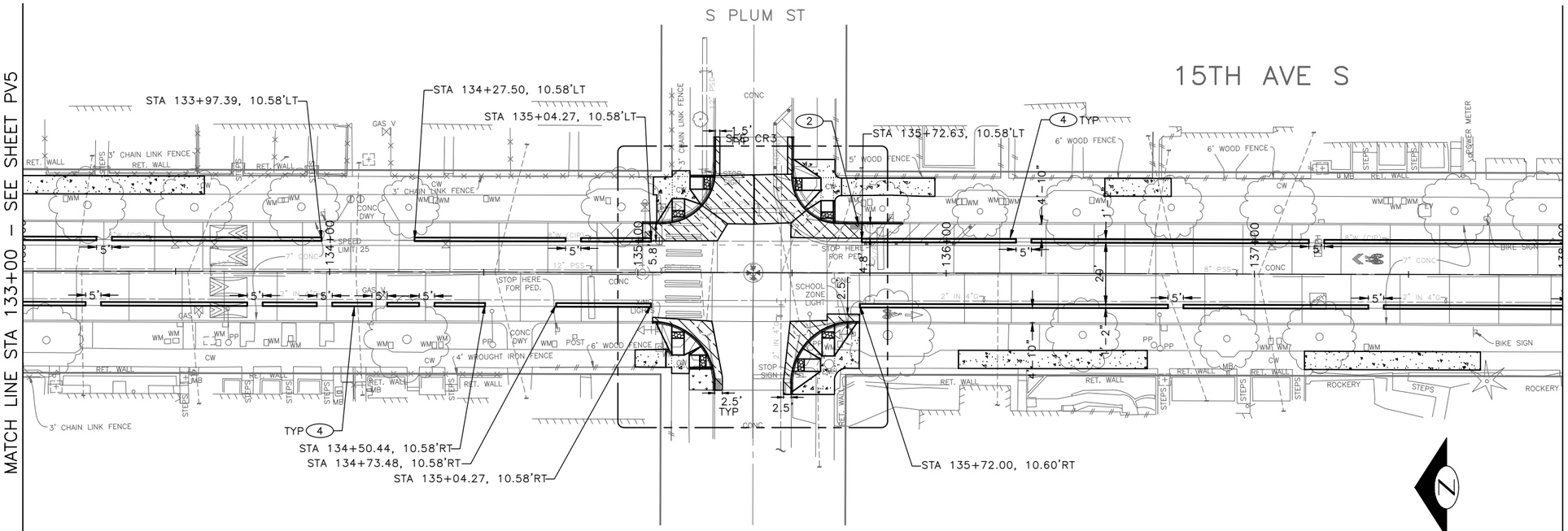

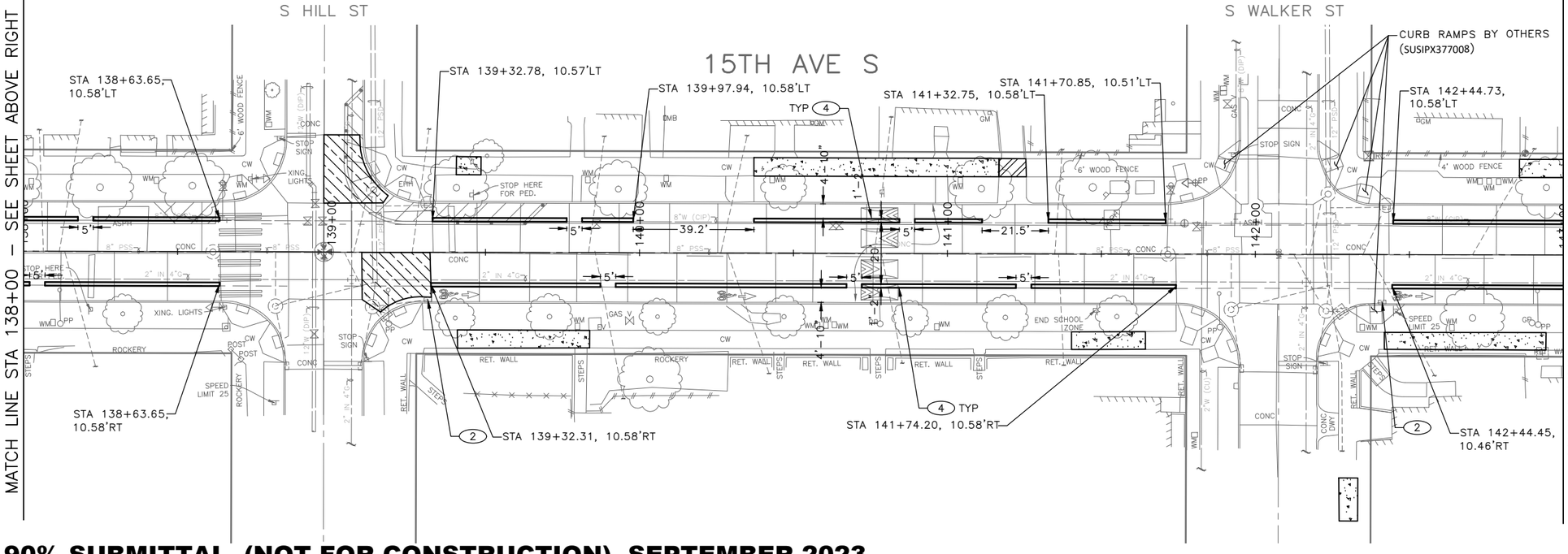

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- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

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8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
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LAURENTIU DRISCHIC, STATE OF WASHINGTON, 55448, REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV6
SHEET 63 OF 100

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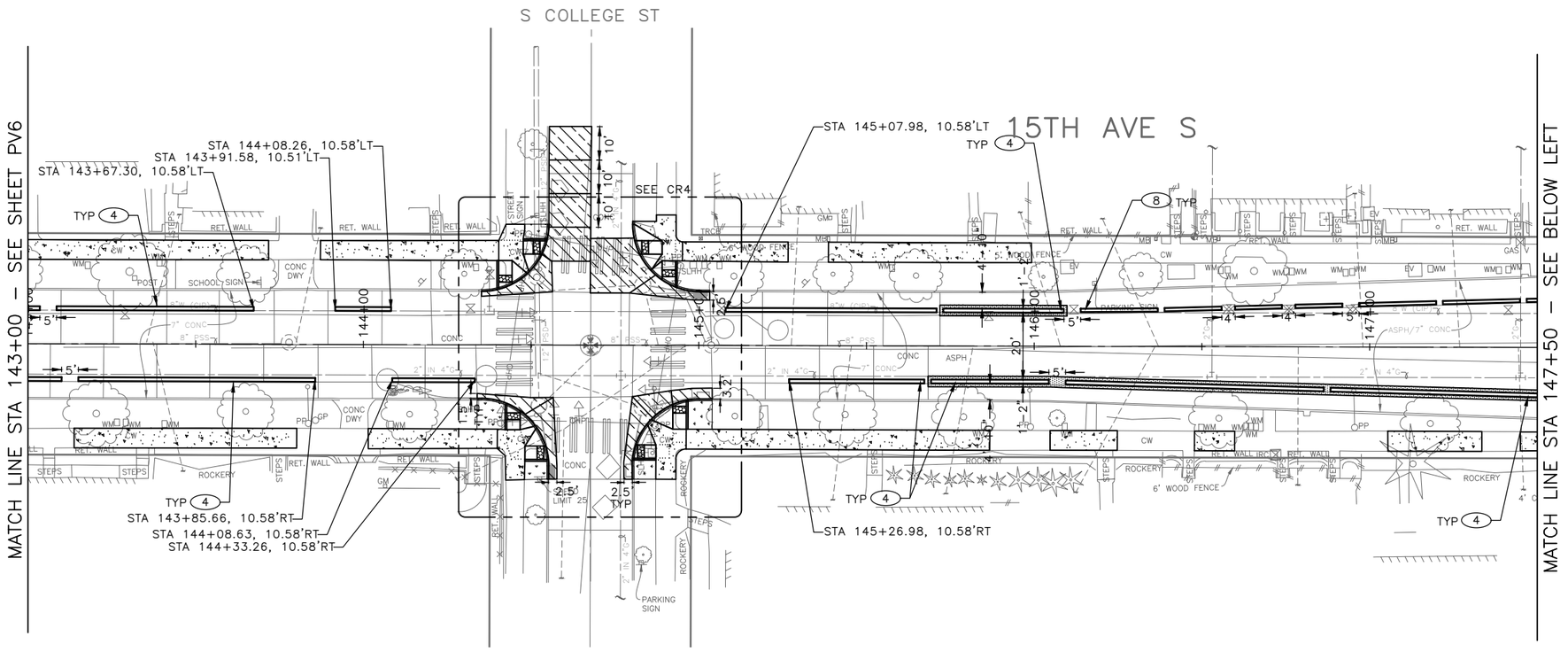

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CONSTRUCTION NOTES

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

PV7

SHEET 64 OF 100

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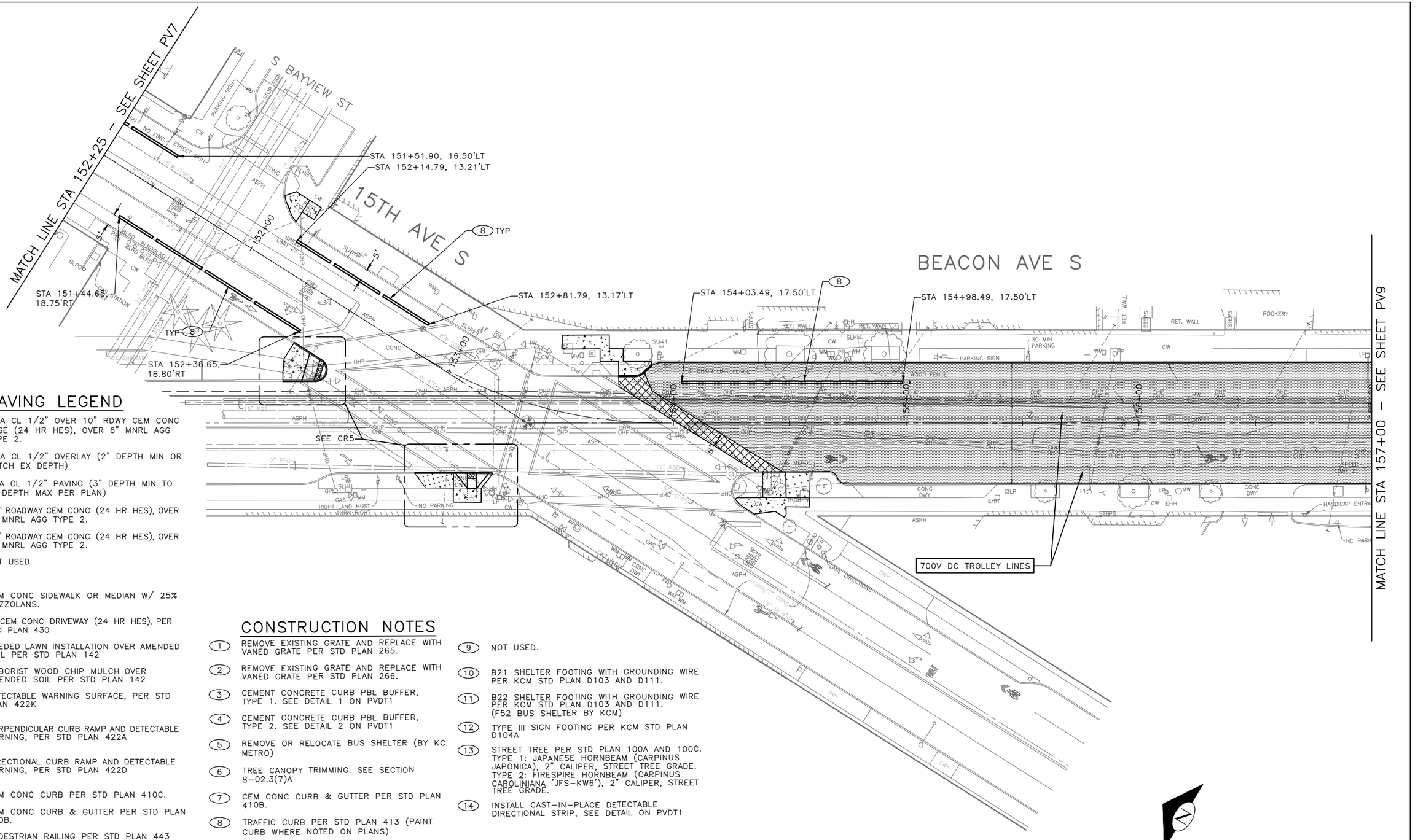

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CONSTRUCTION NOTES

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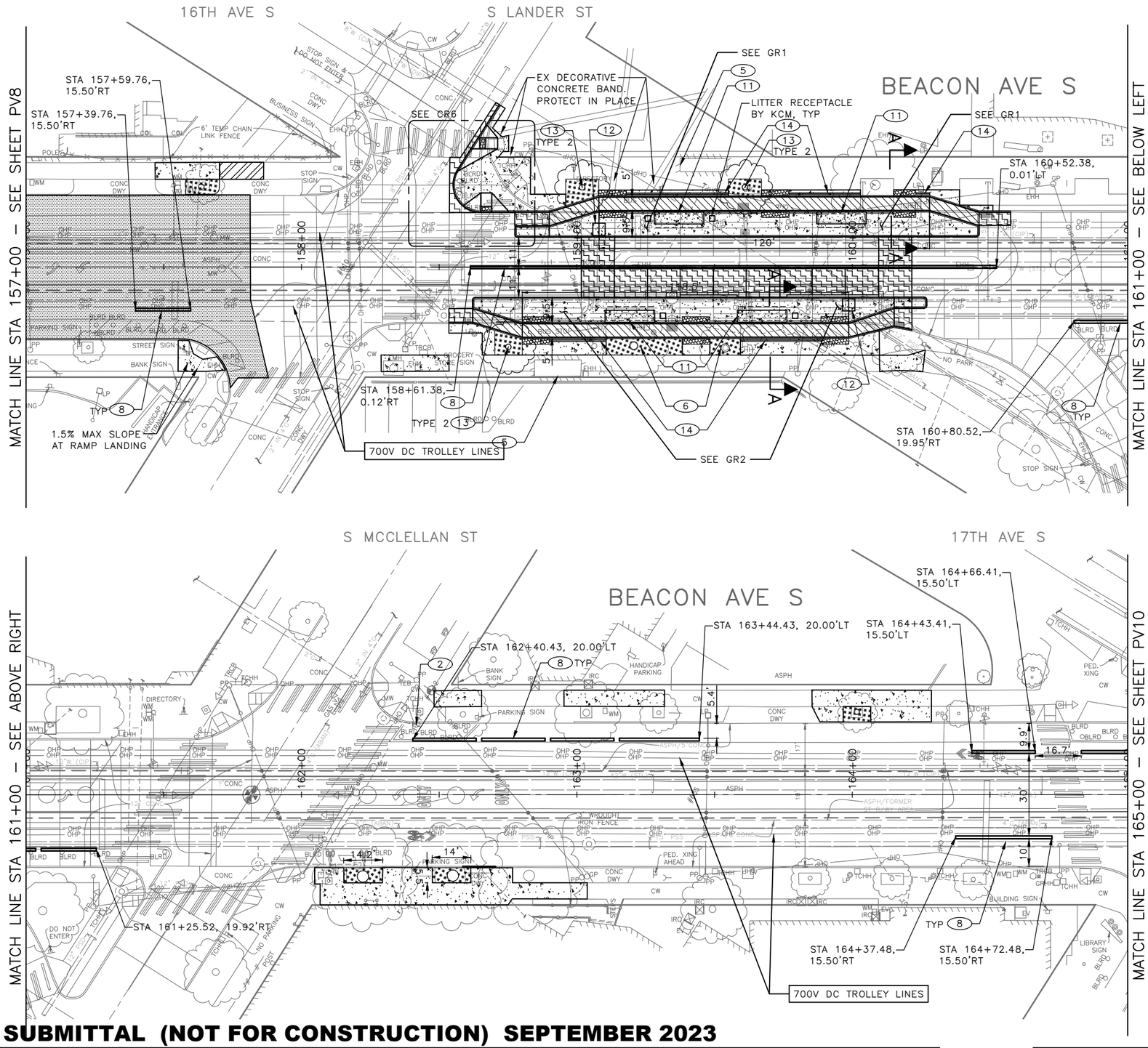

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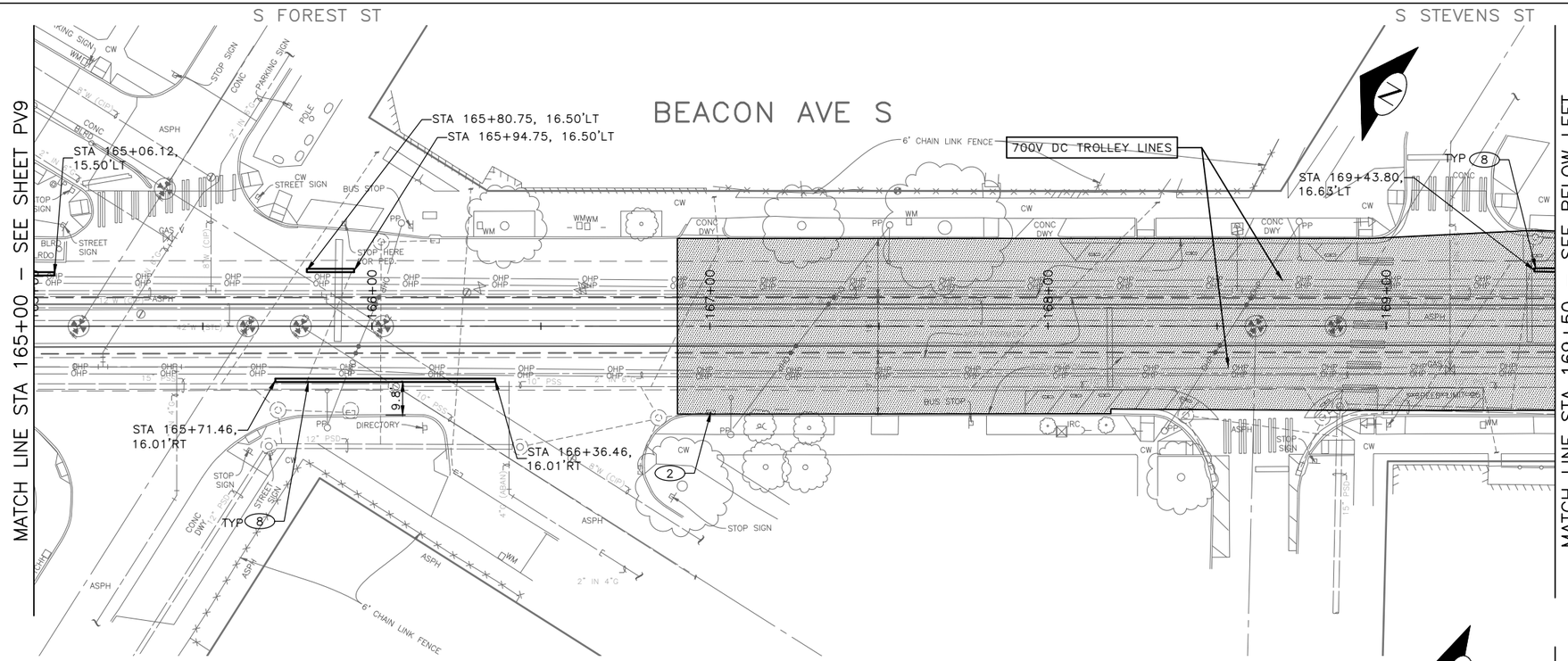

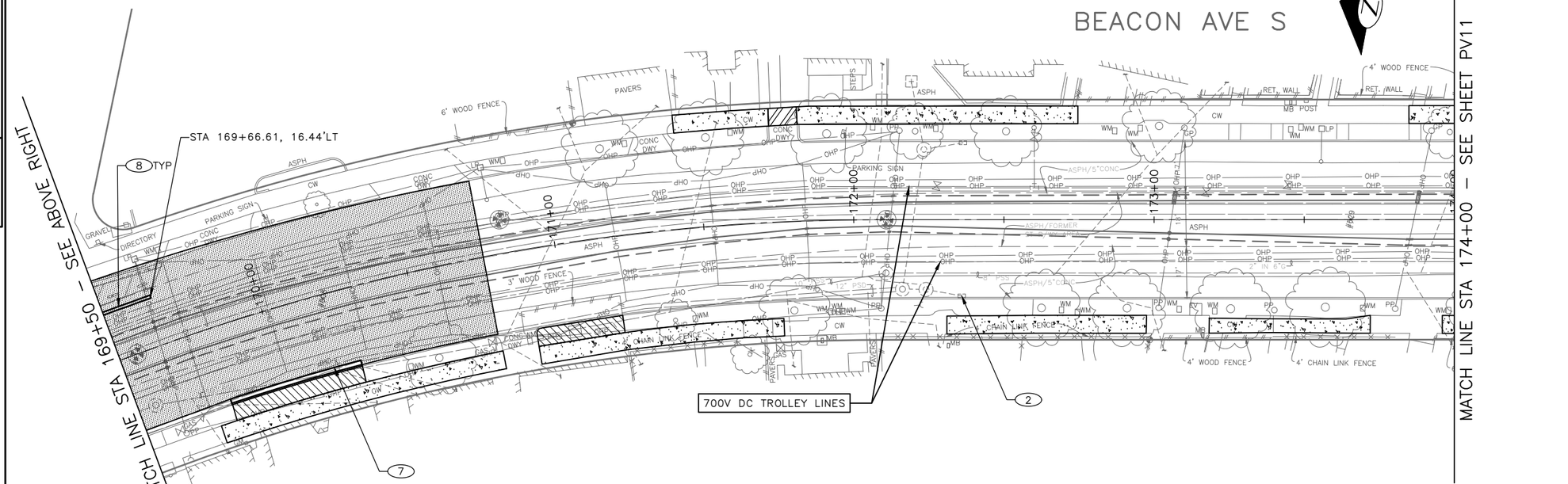

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- SEEDED LAWN INSTALLATION OVER AMENDED SOIL PER STD PLAN 142
- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
- DETECTABLE WARNING SURFACE, PER STD PLAN 422K
- PERPENDICULAR CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422A
- DIRECTIONAL CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422D
- CEM CONC CURB PER STD PLAN 410C.
- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

1. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 265.
2. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 266.
3. CEMENT CONCRETE CURB PBL BUFFER, TYPE 1. SEE DETAIL 1 ON PVDT1
4. CEMENT CONCRETE CURB PBL BUFFER, TYPE 2. SEE DETAIL 2 ON PVDT1
5. REMOVE OR RELOCATE BUS SHELTER (BY KC METRO)
6. TREE CANOPY TRIMMING. SEE SECTION 8-02.3(7)A
7. CEM CONC CURB & GUTTER PER STD PLAN 410B.
8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
9. NOT USED.
10. B21 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111.
11. B22 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111. (F52 BUS SHELTER BY KCM)
12. TYPE III SIGN FOOTING PER KCM STD PLAN D104A
13. STREET TREE PER STD PLAN 100A AND 100C. TYPE 1: JAPANESE HORNBEAM (CARPINUS JAPONICA), 2" CALIPER, STREET TREE GRADE. TYPE 2: FIRESPIRE HORNBEAM (CARPINUS CAROLINIANA 'JFS-KW6'), 2" CALIPER, STREET TREE GRADE.
14. INSTALL CAST-IN-PLACE DETECTABLE DIRECTIONAL STRIP, SEE DETAIL ON PVDT1

20 10 0 20 40
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LAURENTIU DOSCIATIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV10
SHEET 67 OF 100

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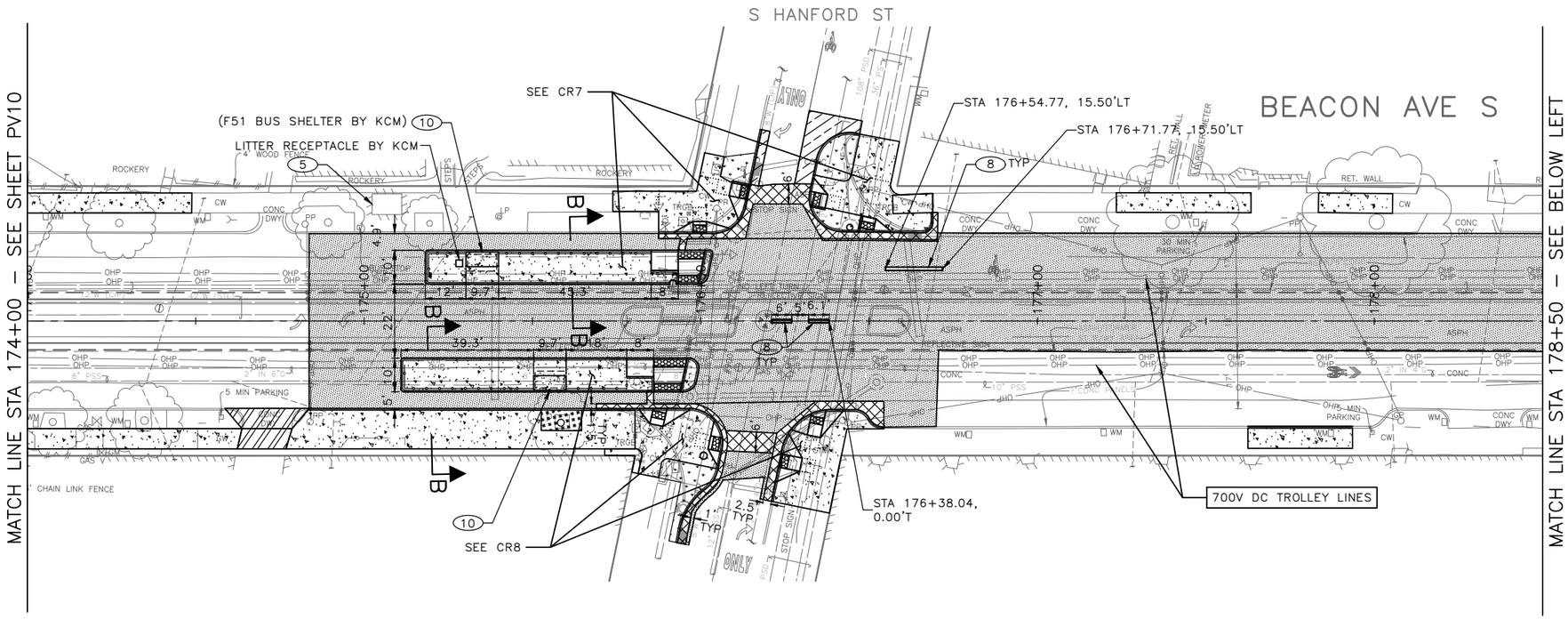

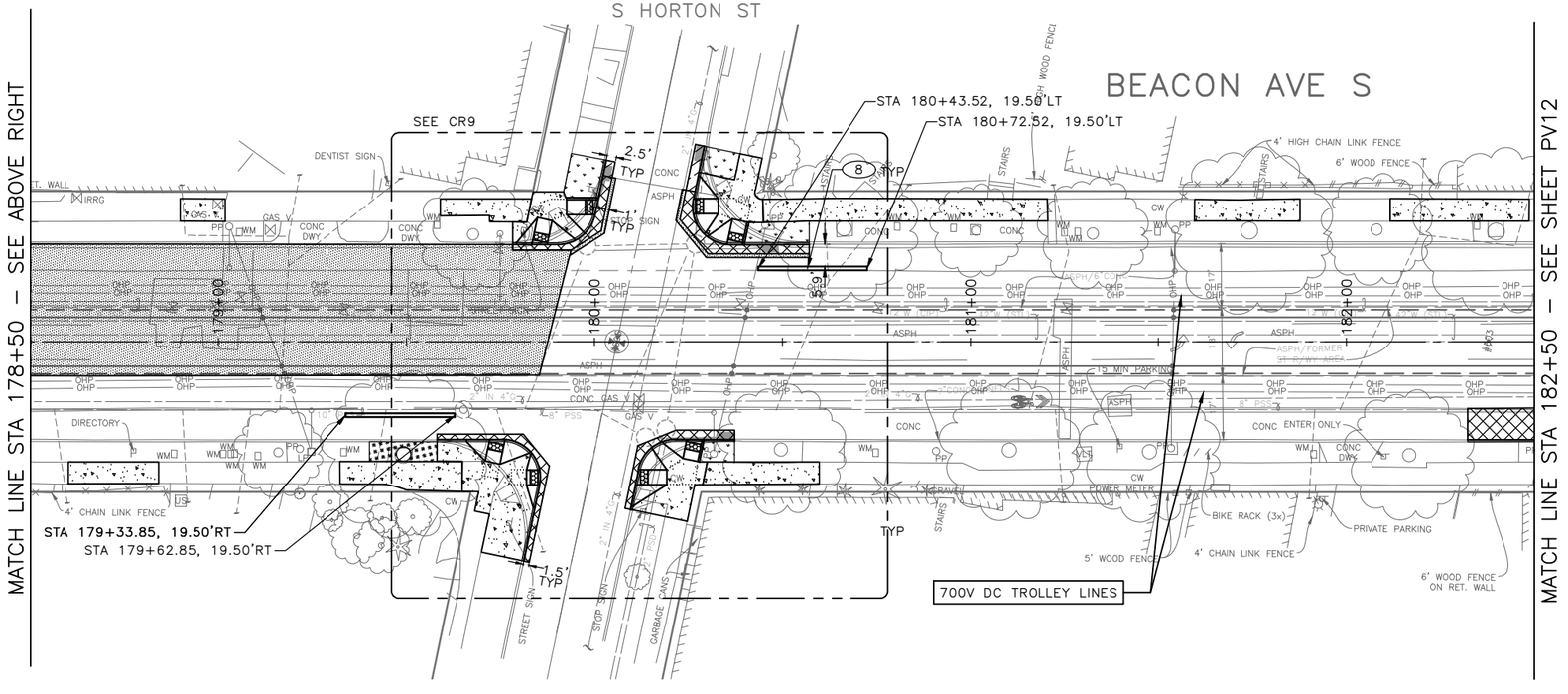

PAVING LEGEND

- WMA CL 1/2" OVER 10" RDWY CEM CONC BASE (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- WMA CL 1/2" OVERLAY (2" DEPTH MIN OR MATCH EX DEPTH)
- HMA CL 1/2" PAVING (3" DEPTH MIN TO 6" DEPTH MAX PER PLAN)
- 10" ROADWAY CEM CONC (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- 12" ROADWAY CEM CONC (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- NOT USED.
- CEM CONC SIDEWALK OR MEDIAN W/ 25% POZZOLANS.
- 6" CEM CONC DRIVEWAY (24 HR HES), PER STD PLAN 430
- SEEDED LAWN INSTALLATION OVER AMENDED SOIL PER STD PLAN 142
- ARBORIST WOOD CHIP MULCH OVER AMENDED SOIL PER STD PLAN 142
- DETECTABLE WARNING SURFACE, PER STD PLAN 422K
- PERPENDICULAR CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422A
- DIRECTIONAL CURB RAMP AND DETECTABLE WARNING, PER STD PLAN 422D
- CEM CONC CURB PER STD PLAN 410C.
- CEM CONC CURB & GUTTER PER STD PLAN 410B.
- PEDESTRIAN RAILING PER STD PLAN 443

CONSTRUCTION NOTES

1. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 265.
2. REMOVE EXISTING GRATE AND REPLACE WITH VANED GRATE PER STD PLAN 266.
3. CEMENT CONCRETE CURB PBL BUFFER, TYPE 1. SEE DETAIL 1 ON PVDT1
4. CEMENT CONCRETE CURB PBL BUFFER, TYPE 2. SEE DETAIL 2 ON PVDT1
5. REMOVE OR RELOCATE BUS SHELTER (BY KC METRO)
6. TREE CANOPY TRIMMING. SEE SECTION 8-02.3(7)A
7. CEM CONC CURB & GUTTER PER STD PLAN 410B.
8. TRAFFIC CURB PER STD PLAN 413 (PAINT CURB WHERE NOTED ON PLANS)
9. NOT USED.
10. B21 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111.
11. B22 SHELTER FOOTING WITH GROUNDING WIRE PER KCM STD PLAN D103 AND D111. (F52 BUS SHELTER BY KCM)
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14. INSTALL CAST-IN-PLACE DETECTABLE DIRECTIONAL STRIP, SEE DETAIL ON PVDT1

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ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PV11
SHEET 68 OF 100

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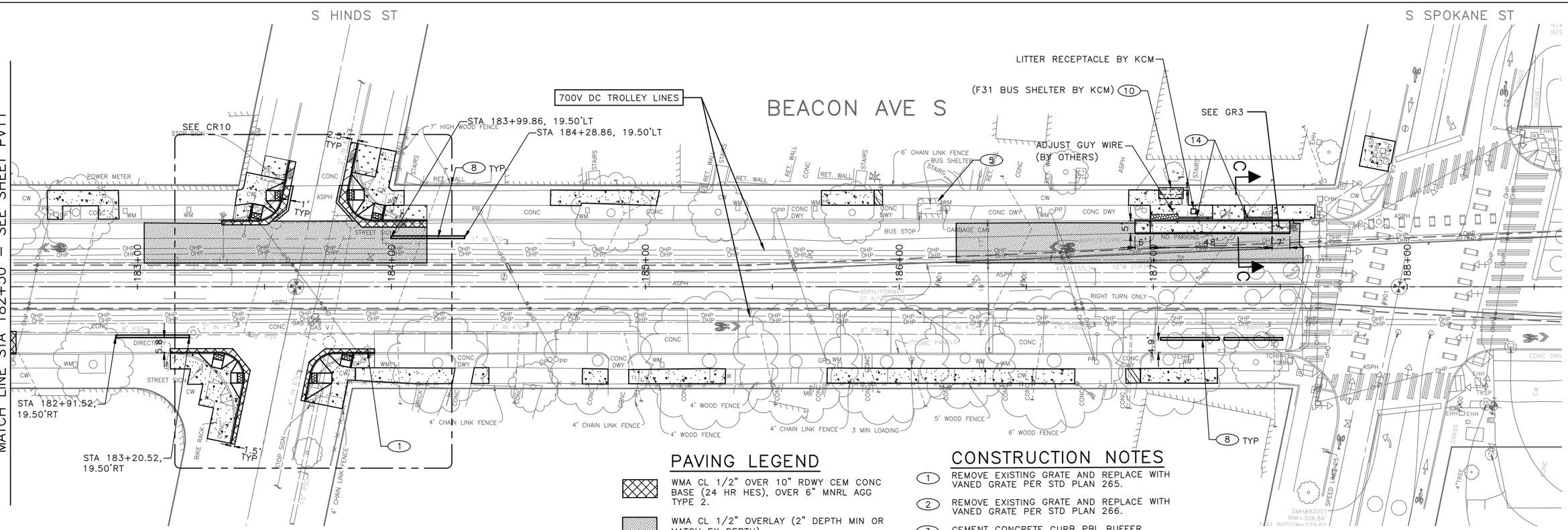

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- WMA CL 1/2" OVERLAY (2" DEPTH MIN OR MATCH EX DEPTH)
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- 12" ROADWAY CEM CONC (24 HR HES), OVER 6" MNRL AGG TYPE 2.
- NOT USED.
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

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JOB PC TRC1059 CO TRC1059
VPI #
PV12
SHEET 69 OF 100

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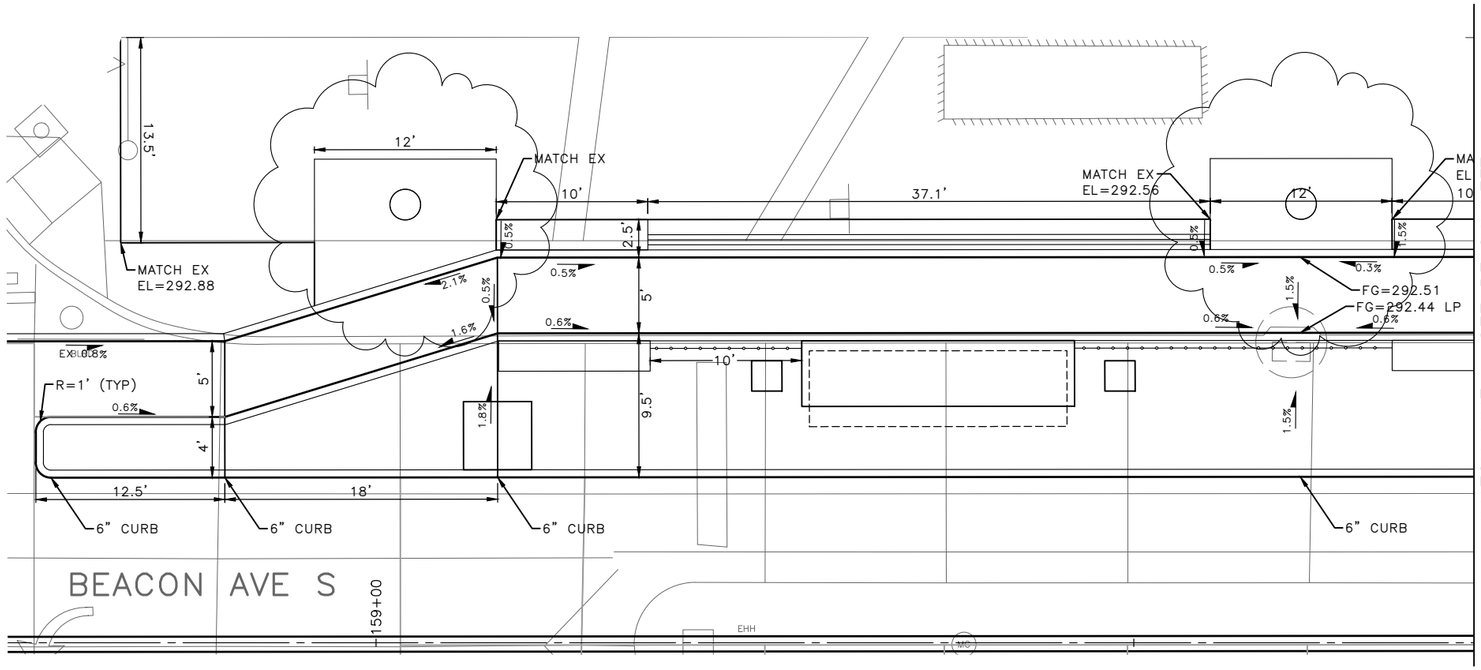

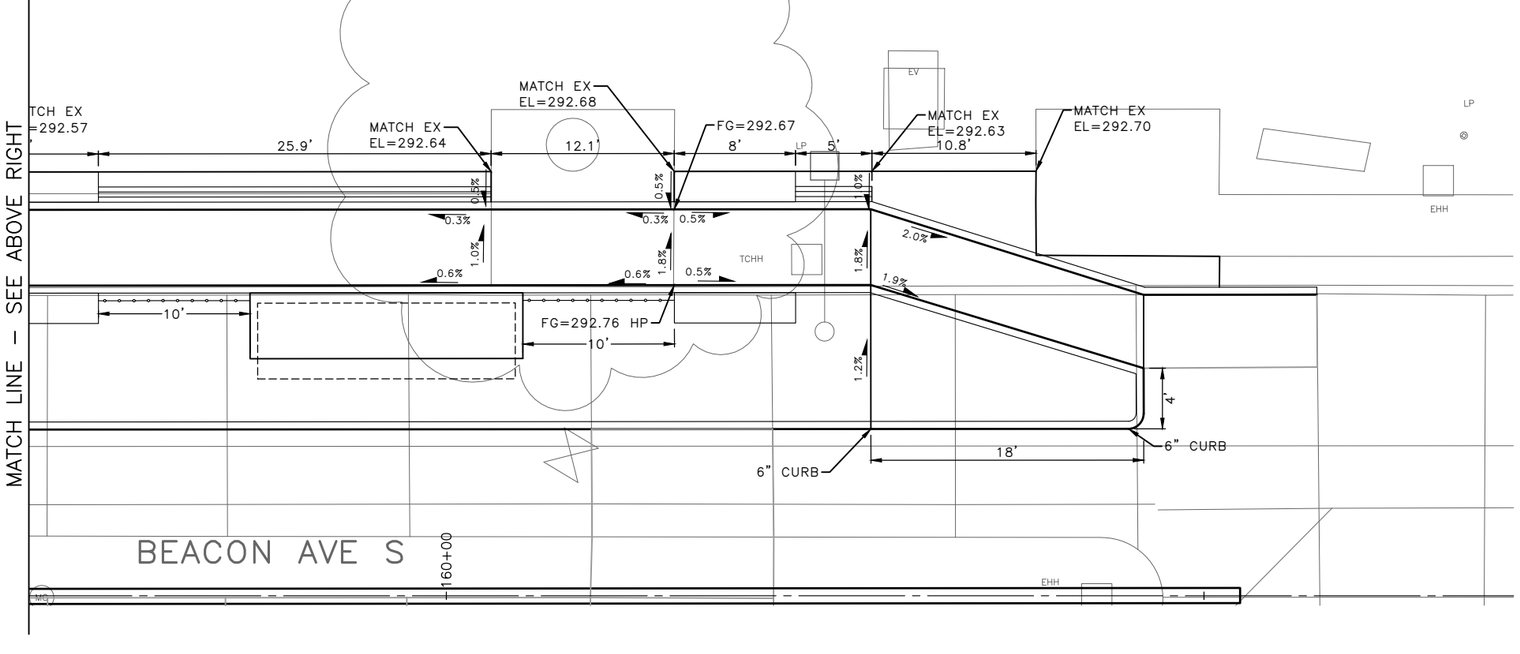

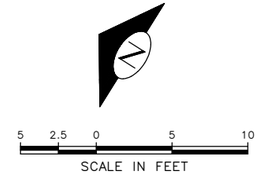

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
GR1
SHEET 70 OF 100

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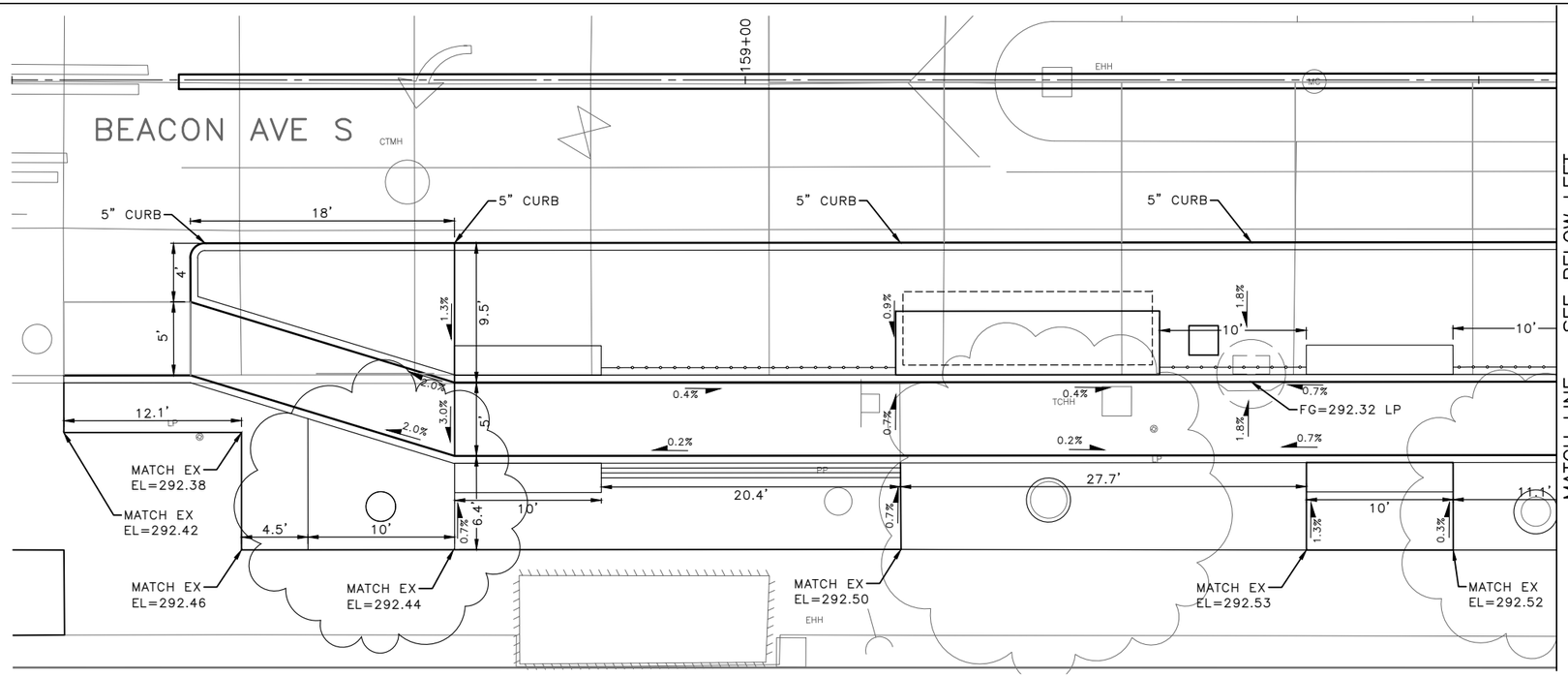

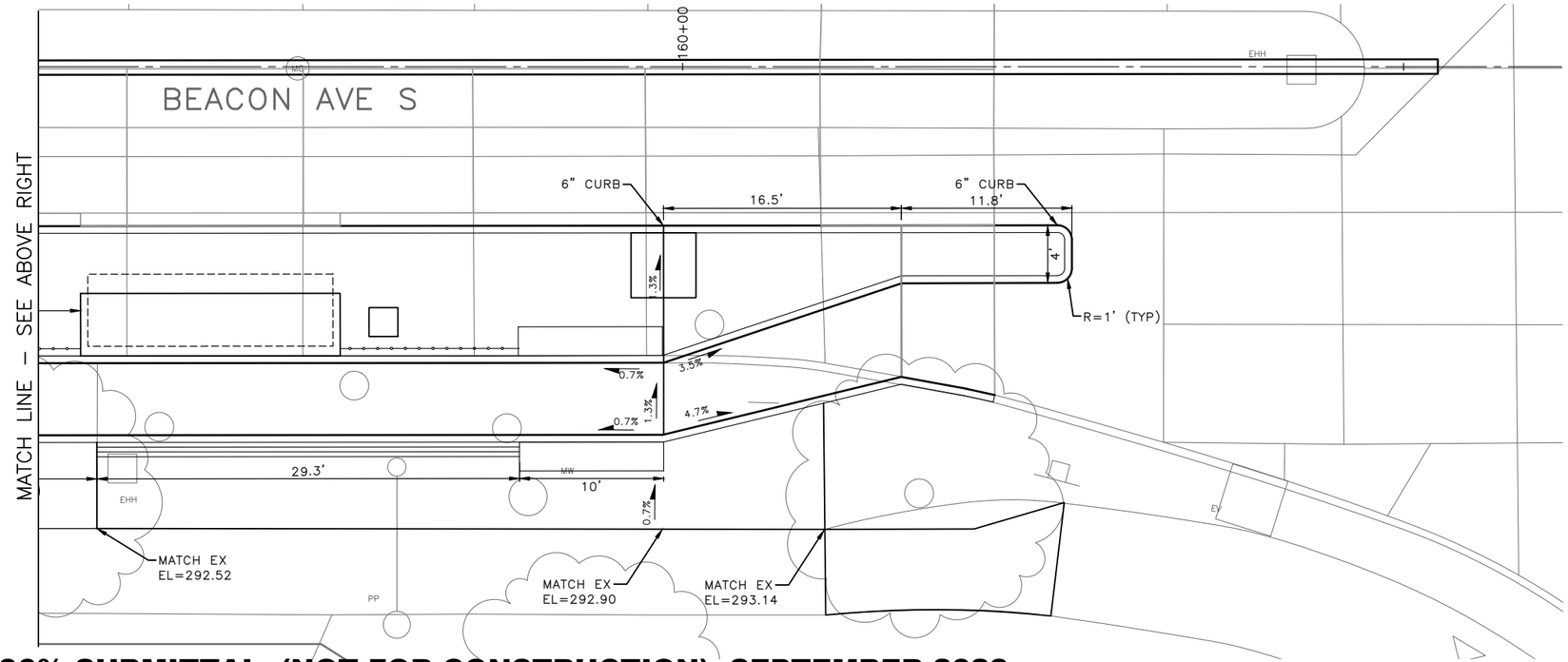

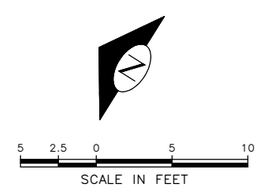

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059

VPI #

GR2

SHEET 71 OF 100

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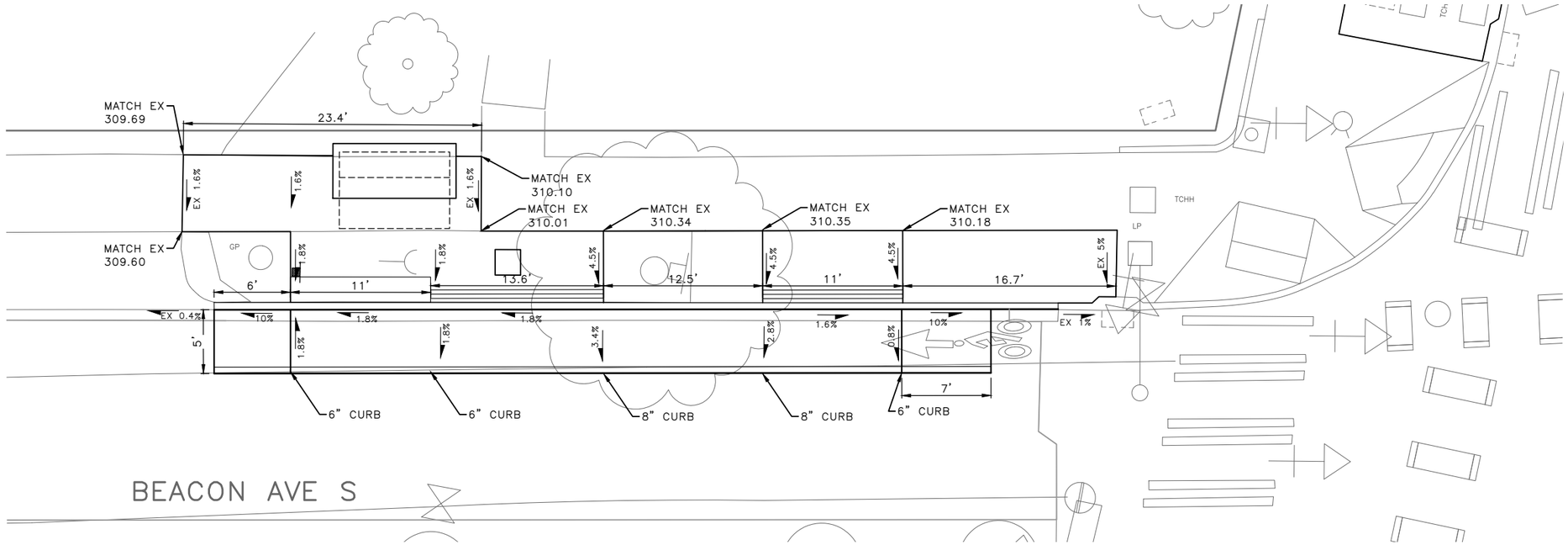

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JOB PC TRC1059 CO TRC1059

VPI #

GR3

SHEET 72 OF 100

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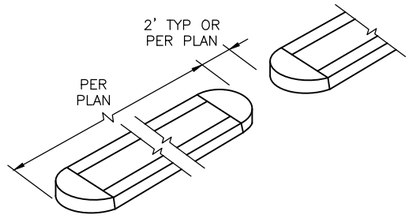
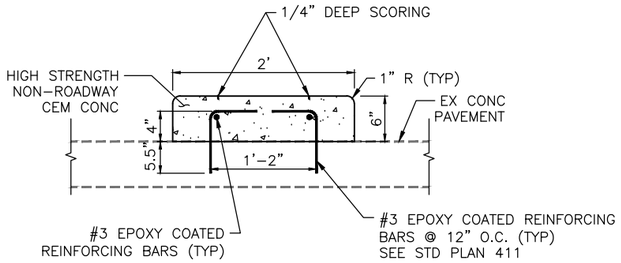
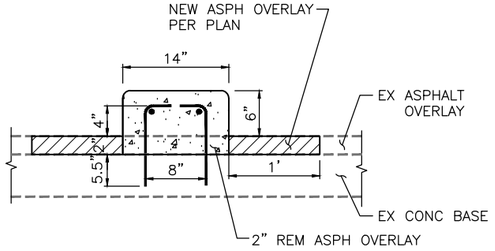
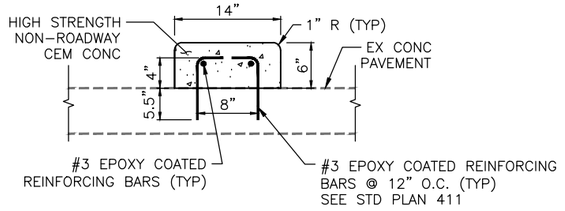




SECTION A–A
NTS

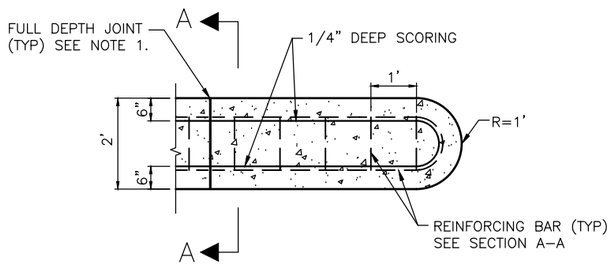


WITH ASPHALT OVERLAY

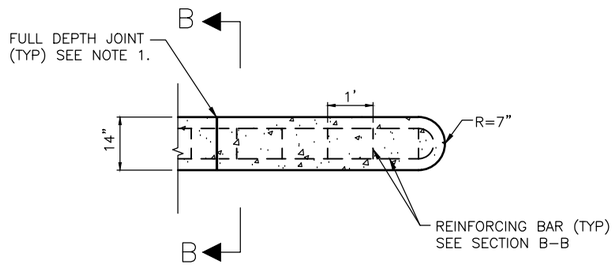


ON CONC PAVEMENT

SECTION B–B
NTS



PLAN VIEW
NTS



PLAN VIEW
NTS

NOTES:

1. INSTALL FULL DEPTH PREMOLDED JOINT FILLER AT EX PAVEMENT JOINT OR 12' MAX SPACING PER STD PLAN 411. TERMINATE LONGITUDINAL REINFORCING BARS 2" PRIOR TO JOINT.

CEMENT CONCRETE CURB PBL BUFFER, TYPE 1 (2' WIDE) (1)
NTS

CEMENT CONCRETE CURB PBL BUFFER, TYPE 2 (14" WIDE) (2)
NTS

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PVDT1
SHEET 73 OF 100

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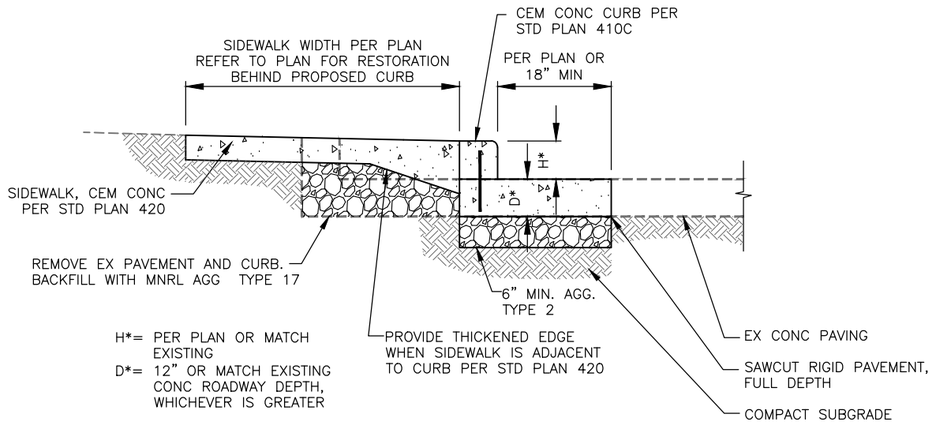
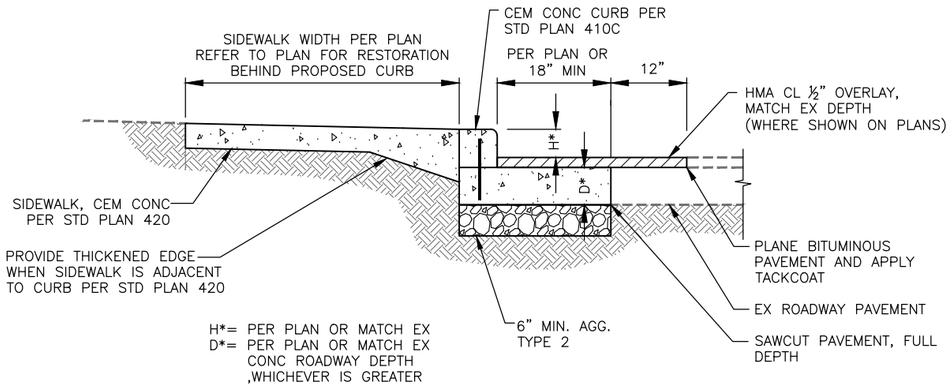


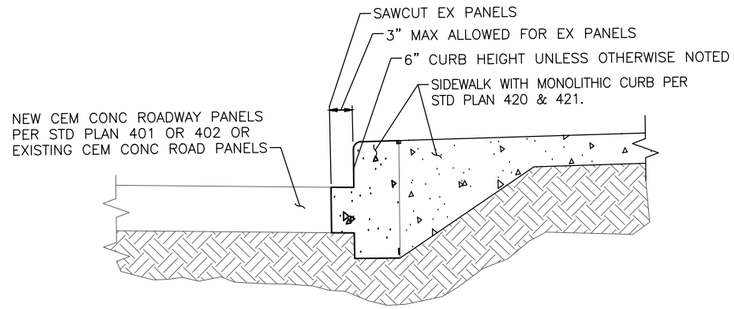
CURB RESTORATION (ON NEW CONC PAVEMENT WITH SW WIDENING) 4

NTS



CURB RESTORATION (ON NEW CONC PAVEMENT WITH HMA OVERLAY) 3

NTS



NOTES:
1) MONOLITHIC SIDEWALK CURBS DEPTH MUST BE 1'–3–½" PER STD PLAN 421, OR BOTTOM OF CURB MUST MATCH EX CEM CONC ROADWAY, WHICHEVER IS GREATER.
2) MONOLITHIC CURB AT CURB RAMPS MUST BE POURED PER 422(_) DETAILS.
3) NO PAYMENT WILL BE MADE FOR DEMOLITION OR PAVING OF THE OVERCUT AREA.
4) DO NOT OVER–CUT INTO THE EXISTING CEMENT CONCRETE ROAD PANELS.

CURB RESTORATION (WITH MONO CURB) 5

NTS

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LAURENTIU DUSCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
PVDT2
SHEET 74 OF 100

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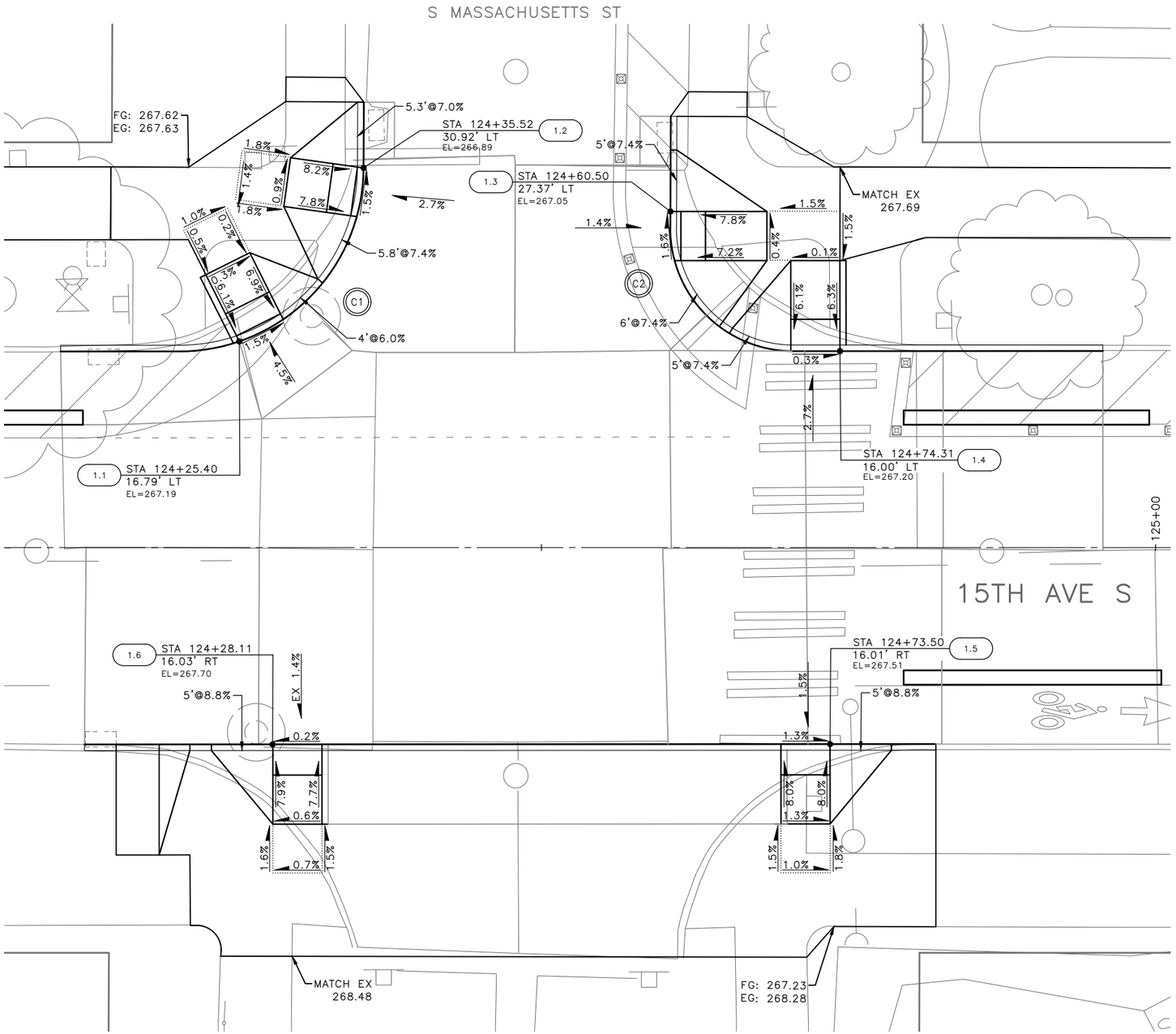

GENERAL NOTES

1. SEE SITE PREPARATION AND PAVING PLANS FOR ADDITIONAL INFORMATION OF BELOW AND ABOVE SURFACE FEATURES.
2. SEE PAVING PLANS FOR ALIGNMENT INFORMATION.

LEGEND

· · · · · · · GRADE BREAK

MEF CODES

*1 RIGHT–OF WAY AVAILABILITY
*2 ROADWAY STRUCTURAL CONSTRAINT; WALL, AREAWAY, OR BRIDGE
*3 ADJACENT DEVELOPED FACILITY
*4 DRAINAGE
*5 HISTORIC FEATURE
*6 EXISTING ROAD/SIDEWALK SLOPES
*7 EXISTING UTILITY VAULT OR UTILITY STRUCTURE
*8 (OTHER), DESCRIBE, ADD ANNOTATION

	STD PLAN	MEF CODE
1.1	422a	
1.2	422a	
1.3	422a	
1.4	422a	
1.5	422a	
1.6	422a	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C1	PC	124+20.52	15.97'LT	267.35	Δ=89°45'51" L=23.5' R=15.00' T=14.94'
	1/4	124+26.25	17.11'LT	267.24	
	1/2	124+31.11	20.35'LT	267.12	
	3/4	124+34.36	25.19'LT	266.99	
	PT	124+35.52	30.92'LT	266.89	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C2	PC	124+70.50	15.99'LT	267.21	Δ=90°14'9" L=15.75' R=10.00' T=10.04'
	1/4	124+66.67	16.76'LT	267.21	
	1/2	124+63.42	18.93'LT	267.19	
	3/4	124+61.25	22.19'LT	267.15	
	PT	124+60.50	26.03'LT	267.07	

N

5 2.5 0 5 10
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CURB RAMPS

NATURE	REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK

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Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=5'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR1
SHEET 75 OF 100

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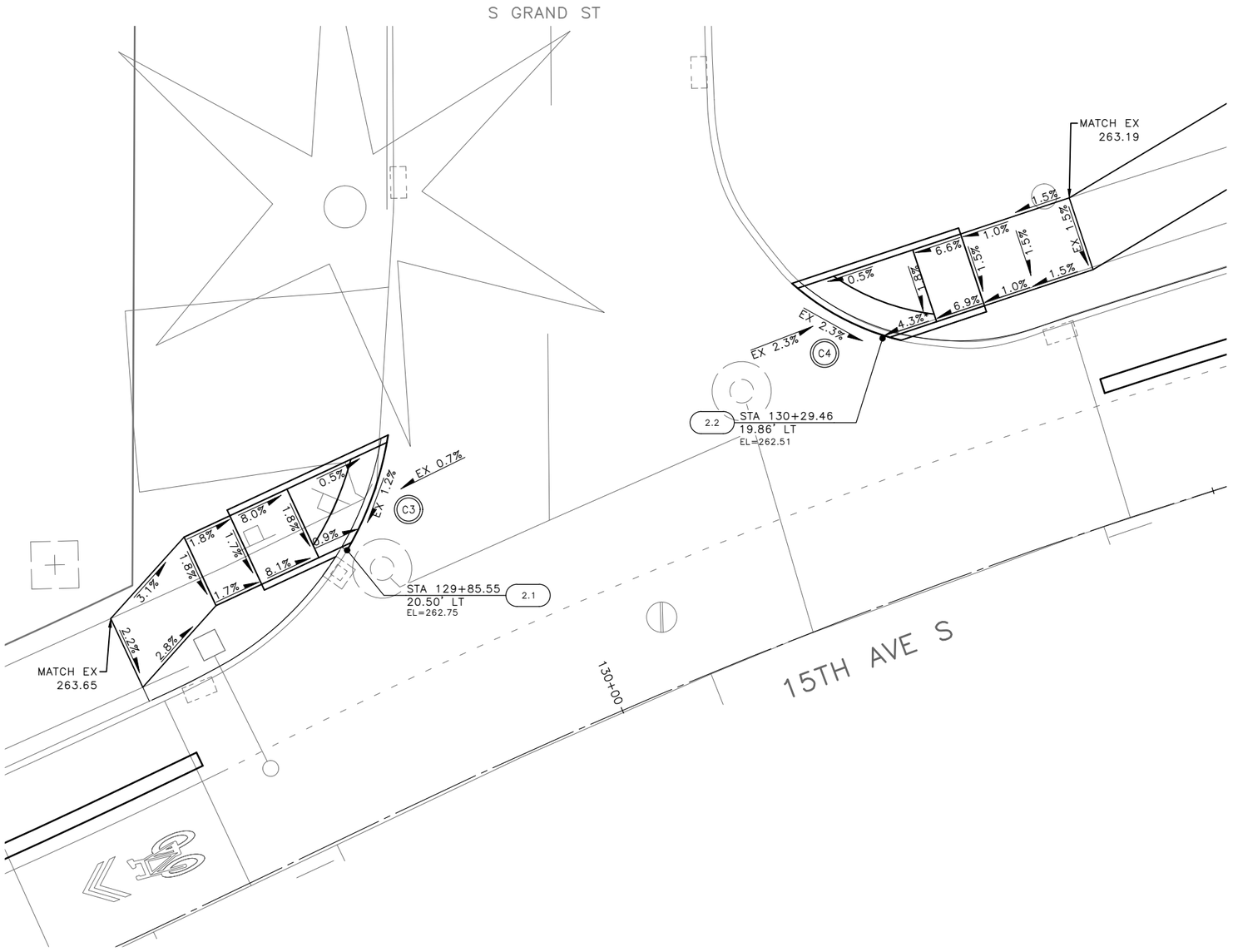

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· · · · · · · GRADE BREAK

	STD PLAN	MEF CODE
2.1	422e	
2.2	422e	

MEF CODES

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CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C3	PC	129+84.74	19.94'LT	262.80	Δ=22°40'28" L=10.29' R=26.00' T=5.21'
	1/4	129+86.75	21.43'LT	262.77	
	1/2	129+88.60	23.13'LT	262.81	
	3/4	129+90.27	25.01'LT	262.84	
	PT	129+91.74	27.07'LT	263.12	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C4	PC	130+30.73	19.22'LT	262.73	Δ=28°12'23" L=9.85' R=20.00' T=5.02'
	1/4	130+28.83	20.69'LT	262.55	
	1/2	130+27.14	22.40'LT	262.61	
	3/4	130+25.67	24.32'LT	262.66	
	PT	130+24.44	26.42'LT	263.06	

5 2.5 0 5 10
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR2
SHEET 76 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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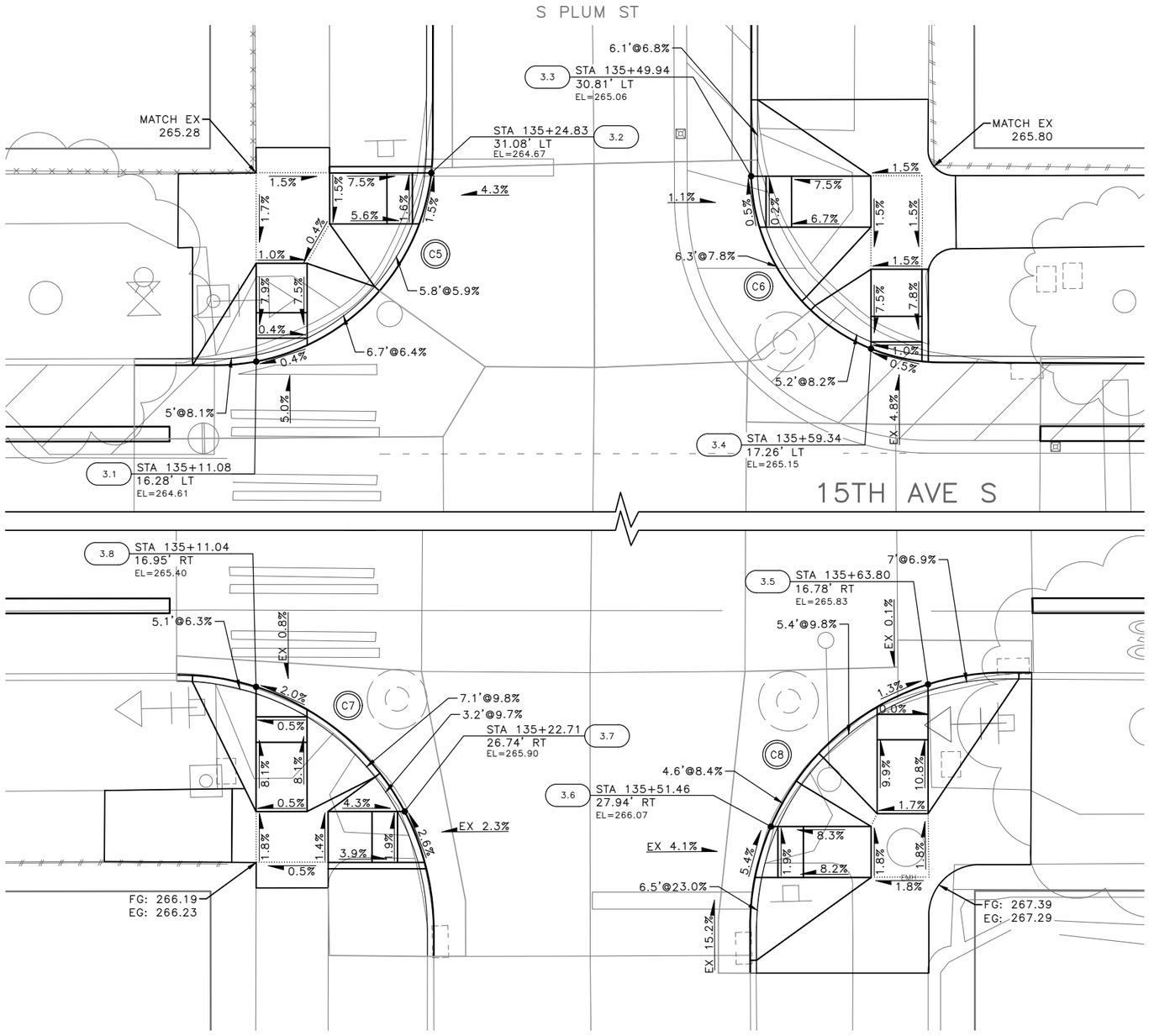

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· · · · · · · GRADE BREAK

MEF CODES

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3.1	422d	
3.2	422d	
3.3	422d	
3.4	422d	
3.5	422d	
3.6	422d	
3.7	422d	
3.8	422d	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C5	PC	135+07.91	15.99'LT	264.56	Δ=28°12'23" L=9.85' R=20.00' T=5.02'
	1/4	135+14.42	17.27'LT	264.63	
	1/2	135+19.93	20.94'LT	264.70	
	3/4	135+23.63	26.44'LT	264.73	
	PT	135+24.94	32.94'LT	264.64	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C6	PC	135+64.86	16.18'LT	265.16	Δ=89°51'50" L=23.53' R=15.00' T=14.96'
	1/4	135+59.13	17.35'LT	265.14	
	1/2	135+54.29	20.61'LT	265.12	
	3/4	135+51.06	25.48'LT	265.09	
	PT	135+49.93	31.22'LT	265.06	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C7	PC	135+24.99	35.99'RT	266.54	Δ=89°50'50" L=31.36' R=20.00' T=19.95'
	1/4	135+23.46	28.35'RT	265.95	
	1/2	135+19.13	21.87'RT	265.66	
	3/4	135+12.66	17.54'RT	265.43	
	PT	135+05.02	16.01'RT	265.32	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C8	PC	135+49.83	35.85'RT	266.85	Δ=90°18'6" L=31.52' R=20.00' T=20.11'
	1/4	135+51.36	28.17'RT	266.08	
	1/2	135+55.73	21.67'RT	265.96	
	3/4	135+62.25	17.34'RT	265.85	
	PT	135+69.93	15.85'RT	265.86	

N

5 2.5 0 5 10
SCALE IN FEET

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CURB RAMPS

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ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR3
SHEET 77 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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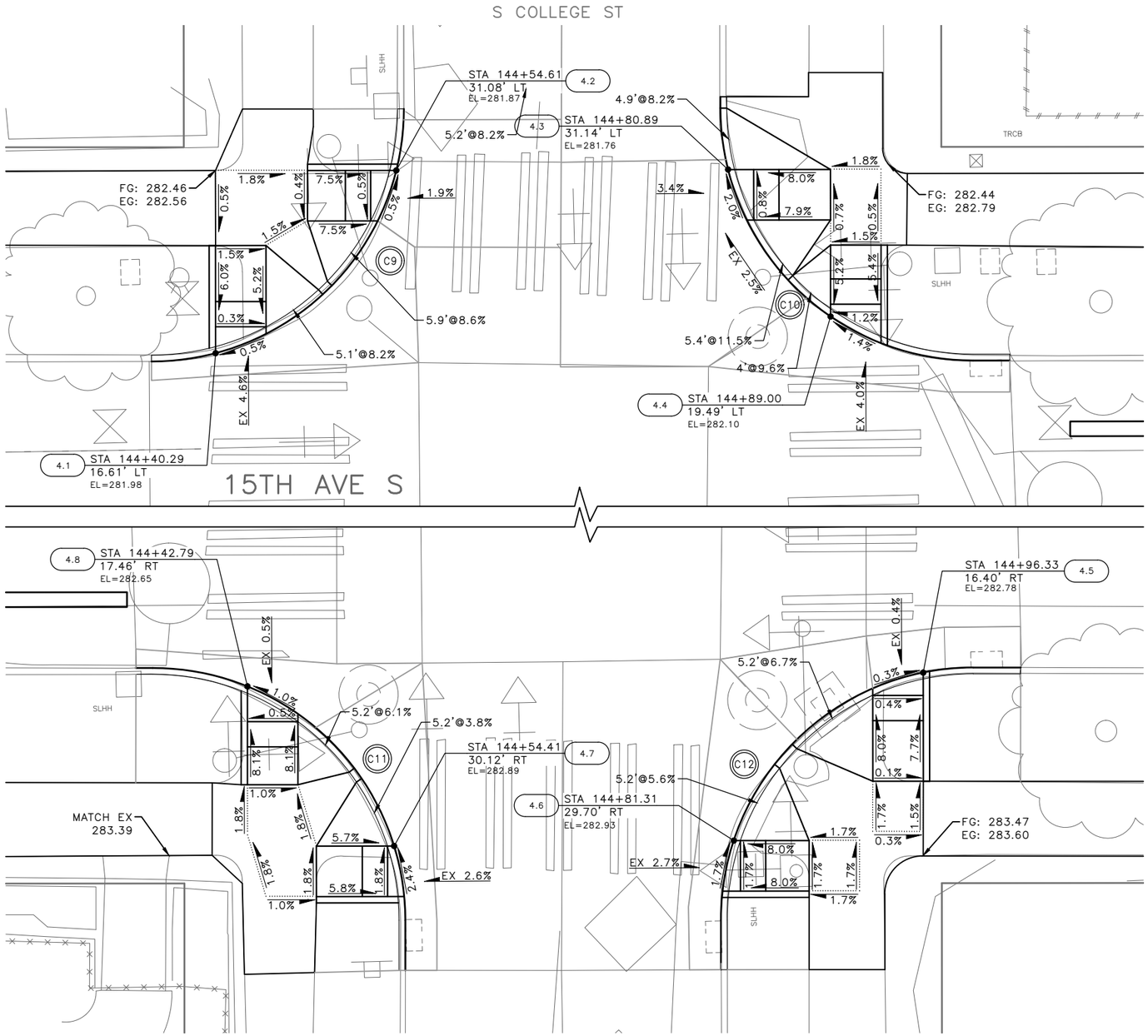

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LEGEND

. . . . . GRADE BREAK

MEF CODES

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4.1	422d	
4.2	422d	
4.3	422d	
4.4	422d	
4.5	422d	
4.6	422d	
4.7	422d	
4.8	422d	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C9	PC	144+35.22	15.96'LT	281.95	Δ=90°0'13" L=31.42' R=20.00' T=20.00'
	1/4	144+42.87	17.48'LT	282.00	
	1/2	144+49.36	21.81'LT	281.94	
	3/4	144+53.69	28.30'LT	281.89	
	PT	144+55.22	35.96'LT	281.55	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C10	PC	145+00.29	16.00'LT	282.19	Δ=89°59'47" L=31.41' R=20.00' T=20.00'
	1/4	144+92.64	17.52'LT	282.16	
	1/2	144+86.15	21.86'LT	282.03	
	3/4	144+81.81	28.35'LT	281.83	
	PT	144+80.29	36.00'LT	281.51	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C11	PC	144+55.29	36.00'RT	283.06	Δ=89°59'47" L=31.41' R=20.00' T=20.00'
	1/4	144+53.77	28.35'RT	282.86	
	1/2	144+49.44	21.86'RT	282.75	
	3/4	144+42.95	17.52'RT	282.66	
	PT	144+35.29	16.00'RT	282.60	

CURB RETURN

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
C12	PC	144+80.29	36.00'RT	283.06	Δ=90°0'13" L=31.42' R=20.00' T=20.00'
	1/4	144+81.82	28.35'RT	282.92	
	1/2	144+86.15	21.86'RT	282.83	
	3/4	144+92.64	17.52'RT	282.79	
	PT	145+00.29	16.00'RT	282.74	

N

5 2.5 0 5 10
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR4
SHEET 78 OF 100

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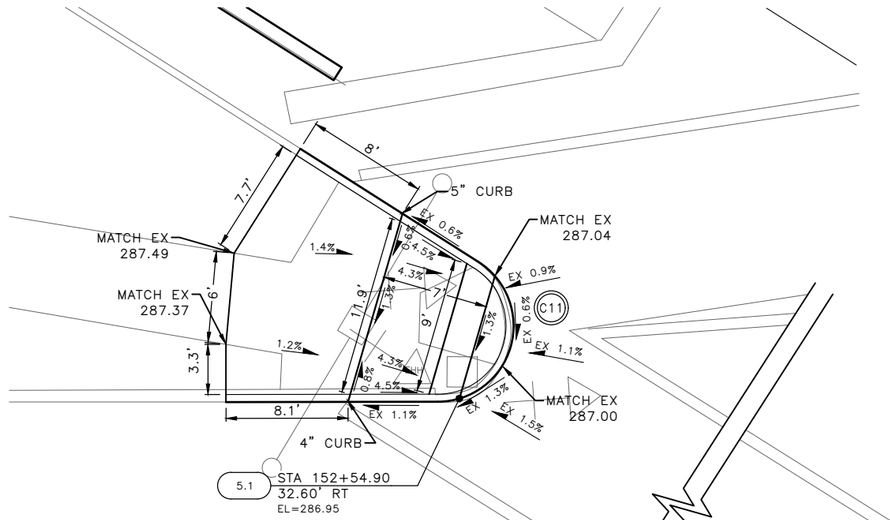
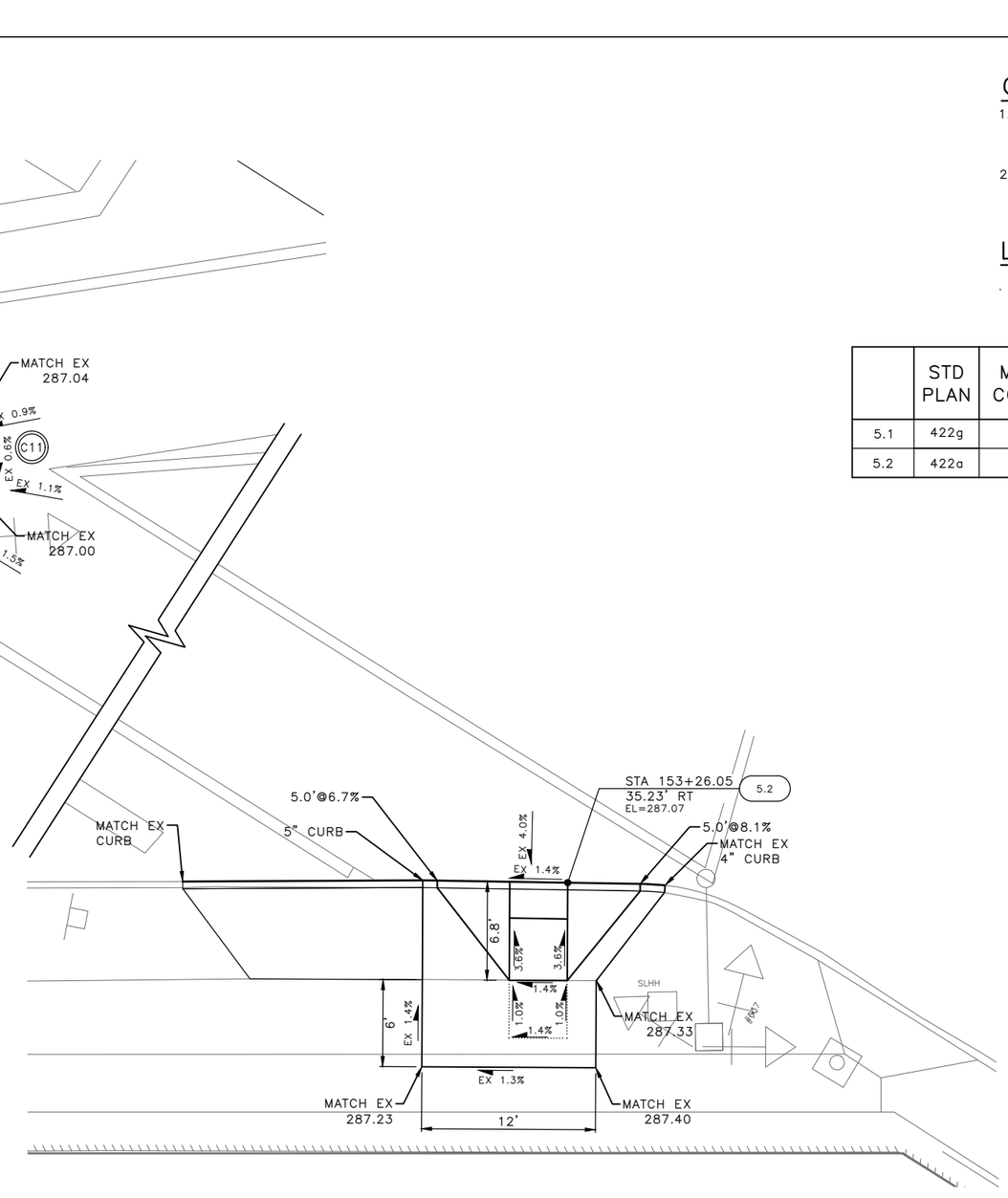


BEACON AVE S



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	STD PLAN	MEF CODE
5.1	422g	
5.2	422a	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C11	RADIUS POINT			N/A	Δ=147°28'54" L=12.87' R=5.00' T=17.14'
	PC	152+53.82	33.54'RT	286.93	
	1/4	152+55.81	31.08'RT	286.98	
	1/2	152+55.94	27.92'RT	287.01	
	3/4	152+54.14	25.32'RT	287.03	
	PT	152+51.14	24.32'RT	287.04	

5 2.5 0 5 10
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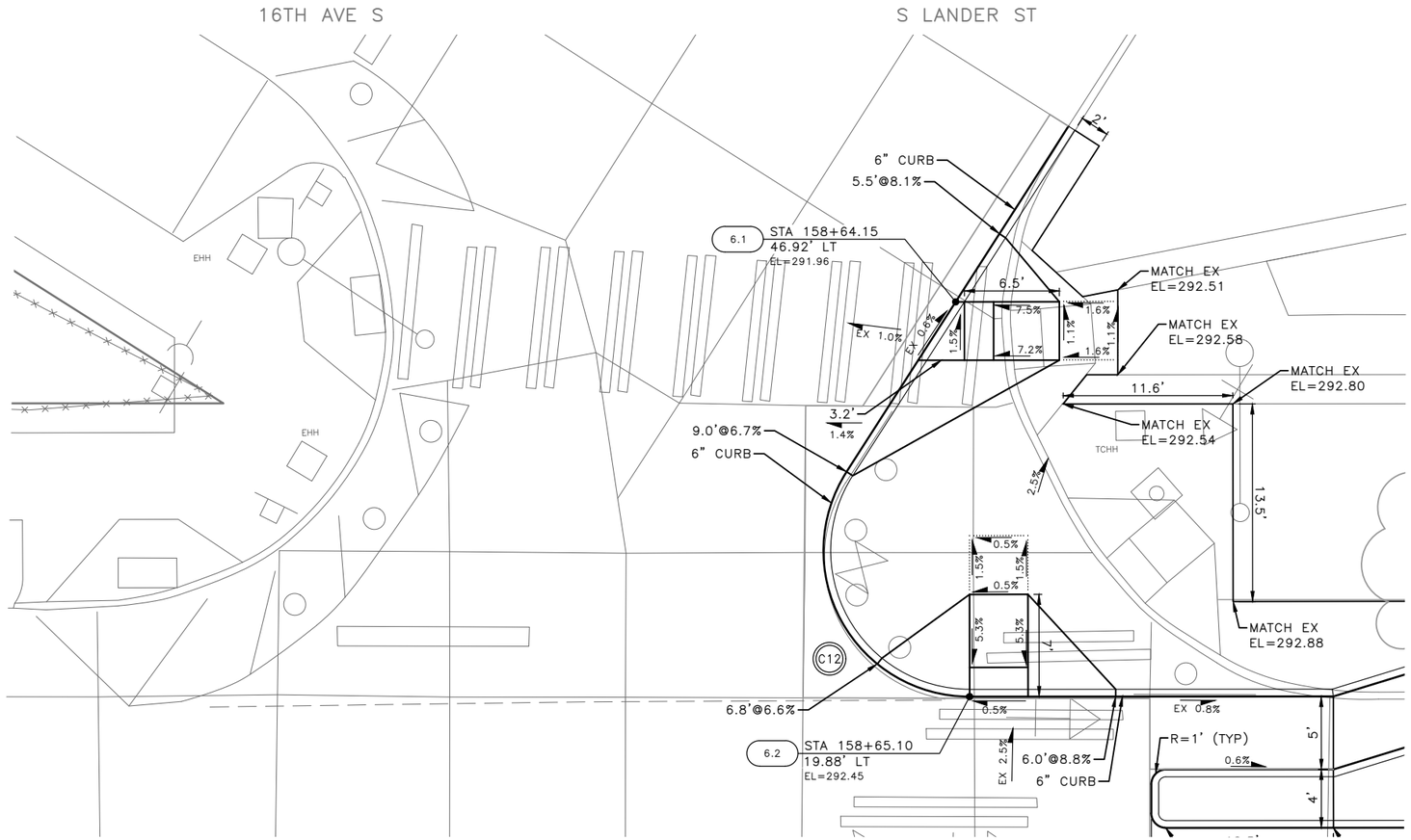

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	STD PLAN	MEF CODE
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6.2	422a	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C12	RADIUS POINT			N/A	Δ=122°44'20" L=21.42' R=10.00' T=18.32'
	PC	158+65.10	19.88'LT	292.45	
	1/4	158+60.00	21.27'LT	292.41	
	1/2	158+56.32	25.08'LT	292.34	
	3/4	158+55.10	30.23'LT	292.18	
	PT	158+56.68	35.28'LT	292.10	

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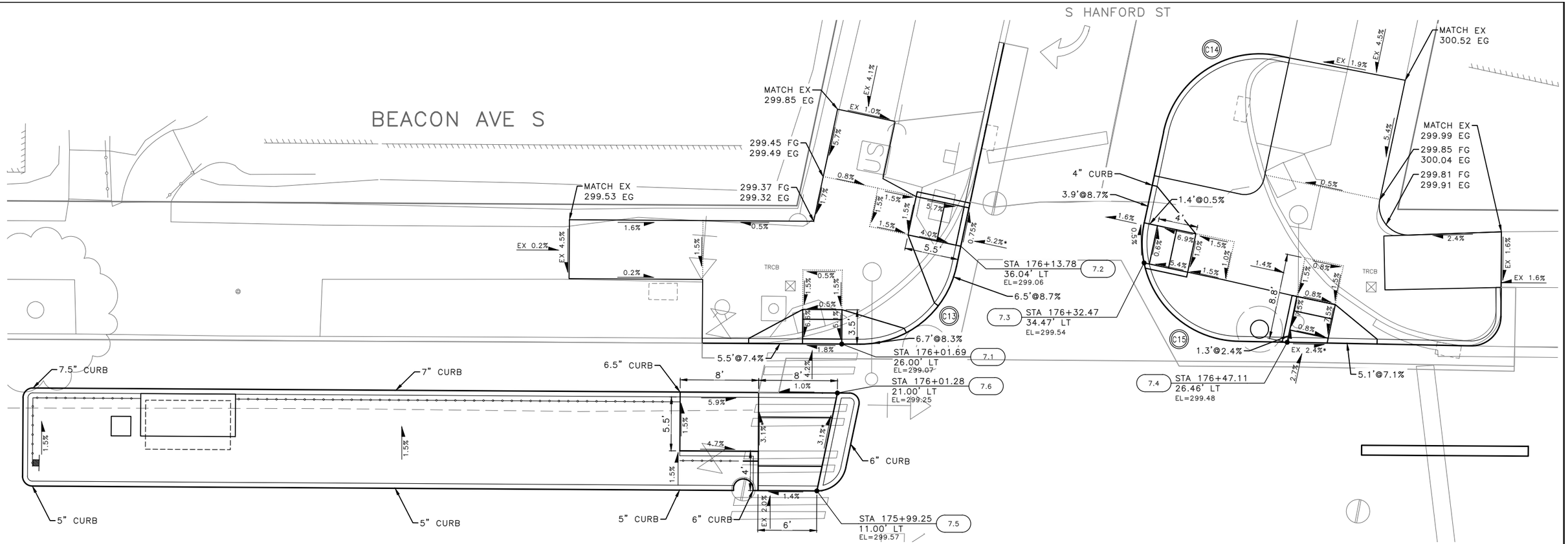

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C13	RADIUS POINT	176+03.55	36.00'LT	N/A	Δ=78°18'41" L=13.67' R=10.00' T=8.14'
	PC	176+13.34	33.97'LT	299.08	
	1/4	176+12.09	30.81'LT	299.11	
	1/2	176+09.86	28.25'LT	299.14	
	3/4	176+06.90	26.58'LT	299.12	
	PT	176+03.55	26.00'LT	299.09	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C15	RADIUS POINT	176+42.26	36.53'LT	N/A	Δ=100°54'50" L=17.61' R=10.00' T=12.11'
	PC	176+32.46	38.55'LT	299.52	
	1/4	176+32.53	34.19'LT	299.54	
	1/2	176+34.46	30.27'LT	299.57	
	3/4	176+37.87	27.54'LT	299.61	
	PT	176+42.12	26.53'LT	299.59	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C14	RADIUS POINT	176+44.19	45.86'LT	N/A	Δ=89°59'60" L=15.71' R=10.00' T=10.00'
	PC	176+34.39	47.88'LT	299.54	
	1/4	176+35.91	51.47'LT	299.62	
	1/2	176+38.69	54.21'LT	299.79	
	3/4	176+42.31	55.68'LT	299.82	
	PT	176+46.21	55.65'LT	300.18	

	STD PLAN	MEF CODE
7.1	422d	–
7.2	422a	*6
7.3	422d	–
7.4	422d	*6
7.5	422h	*6
7.6	422h	*6

GENERAL NOTES

1. SEE SITE PREPARATION AND PAVING PLANS FOR ADDITIONAL INFORMATION OF BELOW AND ABOVE SURFACE FEATURES.
2. SEE PAVING PLANS FOR ALIGNMENT INFORMATION.

LEGEND

. . . . . GRADE BREAK

MEF CODES

*1 RIGHT-OF WAY AVAILABILITY
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*3 ADJACENT DEVELOPED FACILITY
*4 DRAINAGE
*5 HISTORIC FEATURE
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*7 EXISTING UTILITY VAULT OR UTILITY STRUCTURE
*8 (OTHER), DESCRIBE, ADD ANNOTATION

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CURB RAMPS

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LAWRENCE DISCHINGER, STATE OF WASHINGTON, 55448, REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=5'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR7
SHEET 81 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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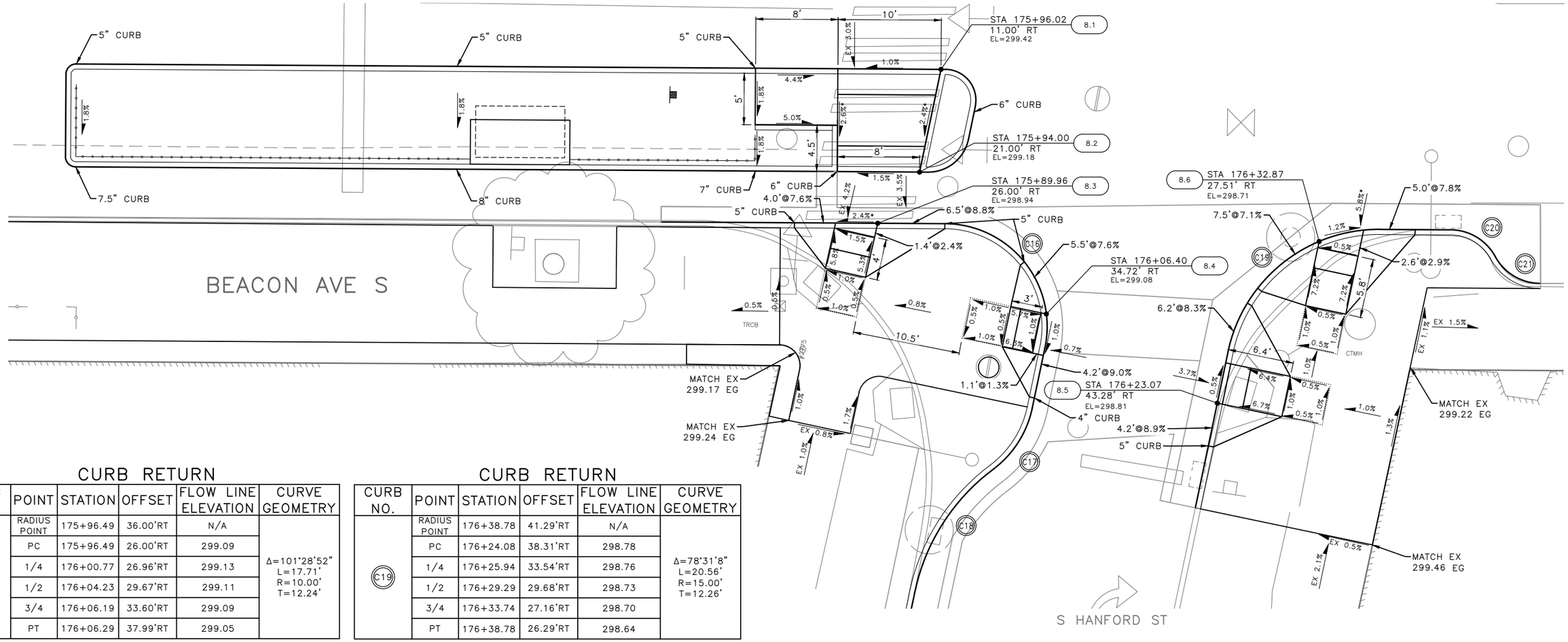

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C16	RADIUS POINT	175+96.49	36.00'RT	N/A	Δ=101°28'52" L=17.71' R=10.00' T=12.24'
	PC	175+96.49	26.00'RT	299.09	
	1/4	176+00.77	26.96'RT	299.13	
	1/2	176+04.23	29.67'RT	299.11	
	3/4	176+06.19	33.60'RT	299.09	
	PT	176+06.29	37.99'RT	299.05	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C19	RADIUS POINT	176+38.78	41.29'RT	N/A	Δ=78°31'8" L=20.56' R=15.00' T=12.26'
	PC	176+24.08	38.31'RT	298.78	
	1/4	176+25.94	33.54'RT	298.76	
	1/2	176+29.29	29.68'RT	298.73	
	3/4	176+33.74	27.16'RT	298.70	
	PT	176+38.78	26.29'RT	298.64	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C17	RADIUS POINT	176+95.29	41.88'RT	N/A	Δ=41°24'35" L=7.23' R=10.00' T=3.78'
	PC	176+05.09	43.87'RT	299.11	
	1/2	176+03.76	47.21'RT	299.09	
	PRC	176+01.33	49.85'RT	299.03	
C18	1/2	175+96.47	55.15'RT	298.78	Δ=41°24'35" L=14.45' R=20.00' T=7.56'
	PT	175+93.79	61.82'RT	298.84	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C20	RADIUS POINT	176+45.68	31.21'RT	N/A	Δ=41°24'35" L=7.23' R=10.00' T=3.78'
	PC	176+45.62	26.29'RT	298.34	
	1/2	176+48.16	26.98'RT	298.38	
	PRC	176+49.99	28.87'RT	298.52	
C21	1/2	176+51.85	30.76'RT	298.68	Δ=41°24'35" L=14.45' R=20.00' T=7.56'
	PT	176+54.41	31.45'RT	298.77	

	STD PLAN	MEF CODE
8.1	422h	*6
8.2	422h	*6
8.3	422d	*6
8.4	422d	–
8.5	422a	–
8.6	422d	*6

GENERAL NOTES

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2. SEE PAVING PLANS FOR ALIGNMENT INFORMATION.

LEGEND

. . . . . GRADE BREAK

MEF CODES

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*8 (OTHER), DESCRIBE, ADD ANNOTATION

N

5 2.5 0 5 10
SCALE IN FEET

CURB RAMPS

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LAURENTIU DUDCHUC STATE OF WASHINGTON 5448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR8
SHEET 82 OF 100

VAULT SERIAL NO. | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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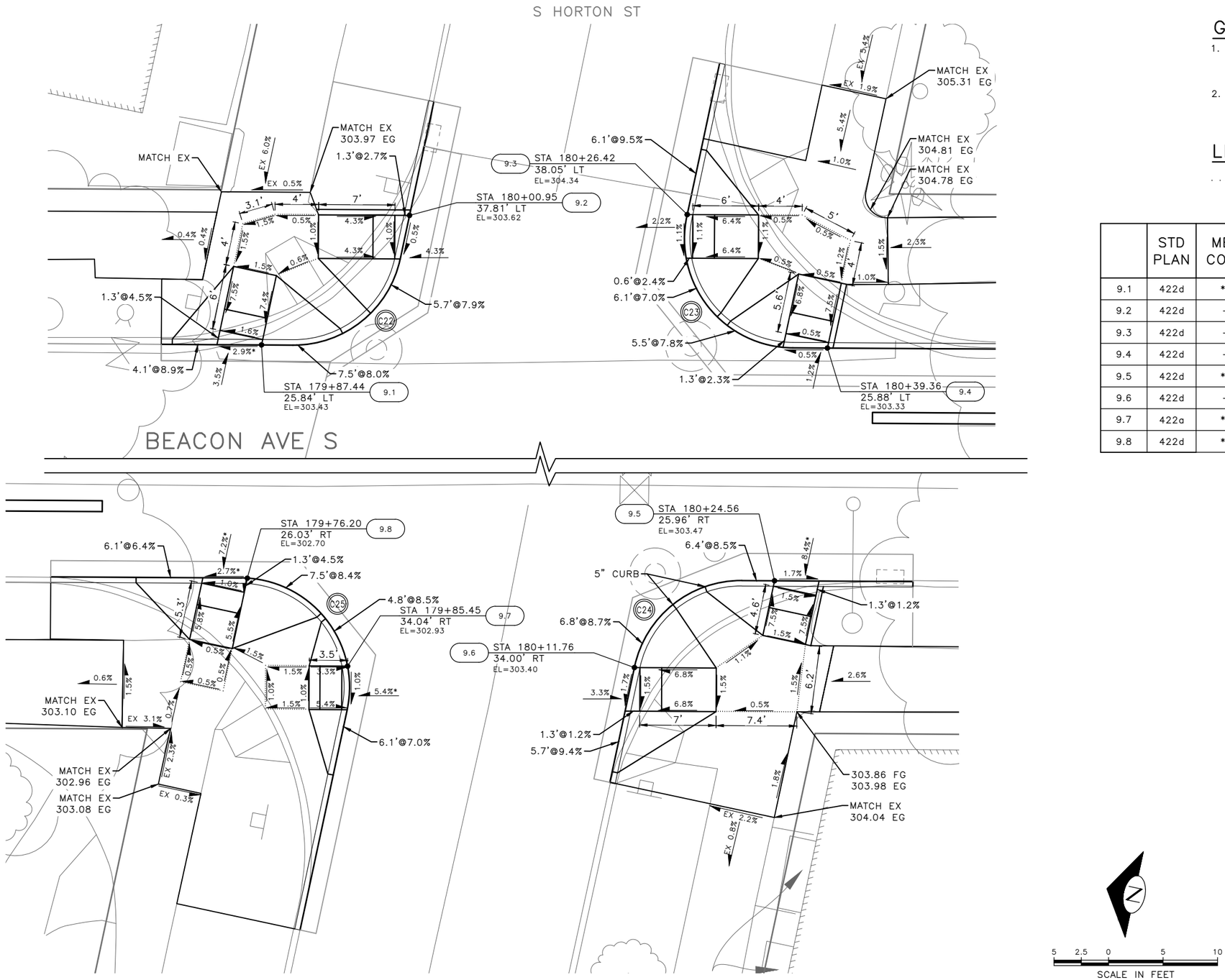

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9.3	422d	–
9.4	422d	–
9.5	422d	*6
9.6	422d	–
9.7	422a	*6
9.8	422d	*6

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C22	RADIUS POINT	179+90.38	35.82'LT	N/A	Δ=78°16'29" L=13.66' R=10.00' T=8.14'
	PC	180+00.12	33.81'LT	303.50	
	1/4	179+98.87	30.65'LT	303.52	
	1/2	179+96.64	28.09'LT	303.54	
	3/4	179+93.68	26.42'LT	303.57	
	PT	179+90.33	25.84'LT	303.60	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C23	RADIUS POINT	180+36.18	35.88'LT	N/A	Δ=101°43'31" L=17.75' R=10.00' T=12.29'
	PC	180+36.19	25.88'LT	304.34	
	1/4	180+31.89	26.85'LT	304.29	
	1/2	180+28.43	29.56'LT	304.23	
	3/4	180+26.47	33.51'LT	304.25	
	PT	180+26.39	37.91'LT	304.31	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C24	RADIUS POINT	180+21.57	35.96'RT	N/A	Δ=78°16'29" L=13.66' R=10.00' T=8.14'
	PC	180+21.57	25.96'RT	303.40	
	1/4	180+18.22	26.54'RT	303.49	
	1/2	180+15.25	28.21'RT	303.57	
	3/4	180+13.02	30.77'RT	303.60	
	PT	180+11.78	33.93'RT	303.51	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C25	RADIUS POINT	179+75.64	36.01'RT	N/A	Δ=101°43'31" L=17.75' R=10.00' T=12.29'
	PC	179+75.64	26.01'RT	302.68	
	1/4	179+79.94	26.98'RT	302.77	
	1/2	179+83.40	29.70'RT	302.84	
	3/4	179+85.36	33.64'RT	302.91	
	PT	179+85.44	38.04'RT	302.89	

5 2.5 0 5 10
SCALE IN FEET

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CURB RAMPS

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Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: 1"=5'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR9
SHEET 83 OF 100

MARK	DATE	REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.

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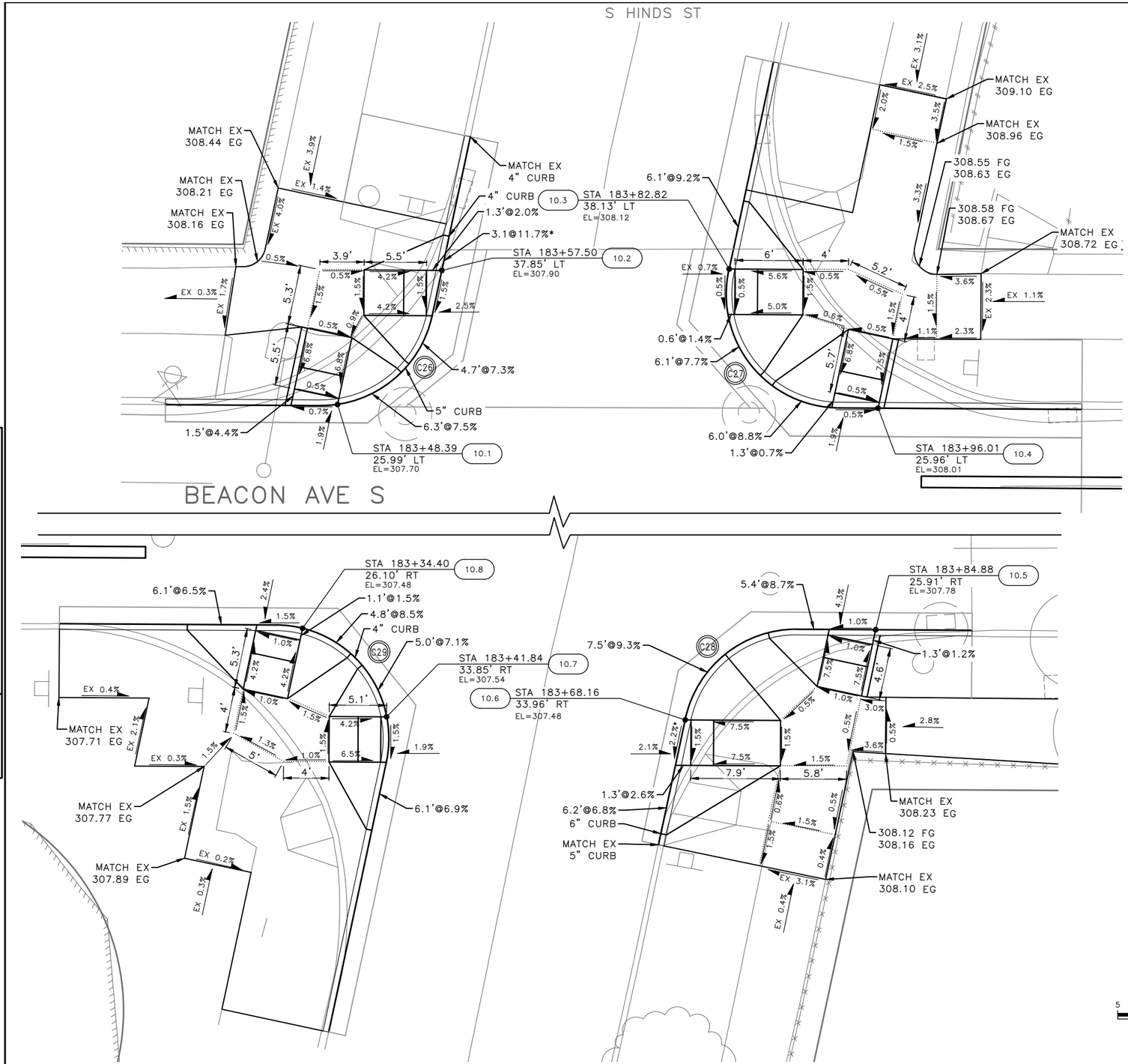

GENERAL NOTES

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10.3	422d	–
10.4	422d	–
10.5	422d	–
10.6	422d	*6
10.7	422a	–
10.8	422d	–

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C26	RADIUS POINT	183+46.88	35.88'LT	N/A	Δ=78°16'29" L=13.66' R=10.00' T=8.14'
	PC	183+46.89	25.88'LT	307.69	
	1/4	183+50.23	26.46'LT	307.72	
	1/2	183+53.20	28.12'LT	307.74	
	3/4	183+55.43	30.69'LT	307.82	
	PT	183+56.67	33.85'LT	307.86	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C27	RADIUS POINT	183+92.58	35.96'LT	N/A	Δ=101°43'31" L=17.75' R=10.00' T=12.29'
	PC	183+92.58	25.96'LT	308.12	
	1/4	183+88.29	26.92'LT	308.10	
	1/2	183+84.83	29.64'LT	308.08	
	3/4	183+82.87	33.58'LT	308.05	
	PT	183+82.79	37.99'LT	308.03	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C28	RADIUS POINT	183+77.96	35.92'RT	N/A	Δ=78°16'29" L=13.66' R=10.00' T=8.14'
	PC	183+77.96	25.92'RT	307.48	
	1/4	183+74.61	26.49'RT	307.58	
	1/2	183+71.65	28.16'RT	307.66	
	3/4	183+69.42	30.72'RT	307.70	
	PT	183+68.17	33.89'RT	307.73	

CURB RETURN

CURB NO.	POINT	STATION	OFFSET	FLOW LINE ELEVATION	CURVE GEOMETRY
C29	RADIUS POINT	183+68.17	33.89'RT	N/A	Δ=101°43'31" L=17.75' R=10.00' T=12.29'
	PC	183+32.05	25.82'RT	307.44	
	1/4	183+36.34	26.79'RT	307.52	
	1/2	183+39.81	29.51'RT	307.56	
	3/4	183+41.77	33.45'RT	307.54	
	PT	183+41.84	37.85'RT	307.48	

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SCALE IN FEET

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CURB RAMPS

NO.	DATE	MARK

NATURE REVISIONS | MADE CHK'D REV'D | VAULT SERIAL NO.

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Seattle Department of Transportation
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CR10
SHEET 84 OF 100

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GENERAL NOTES

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11.2	422h	*6
11.3	422h	*6
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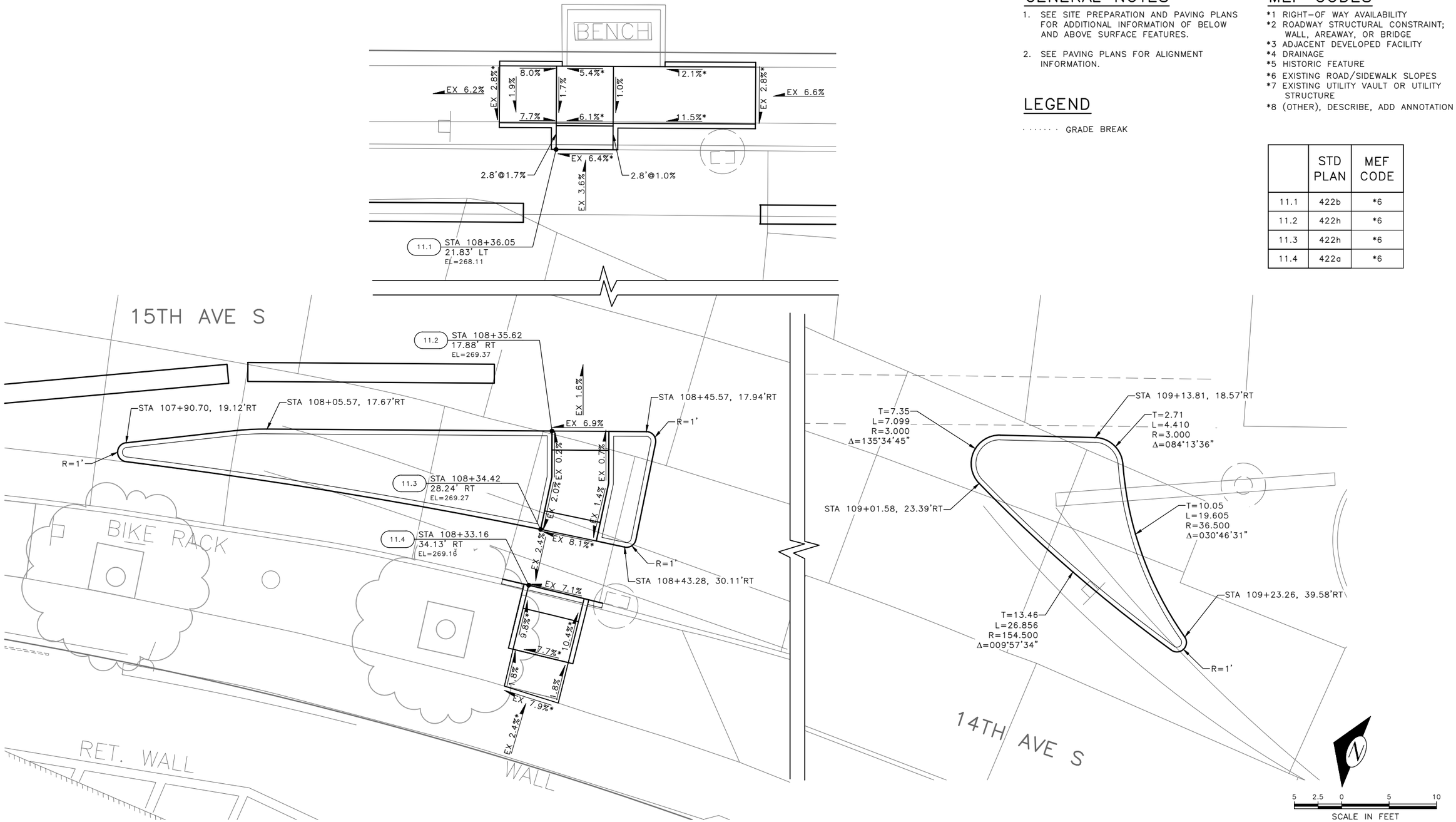

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
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SHEET 85 OF 100

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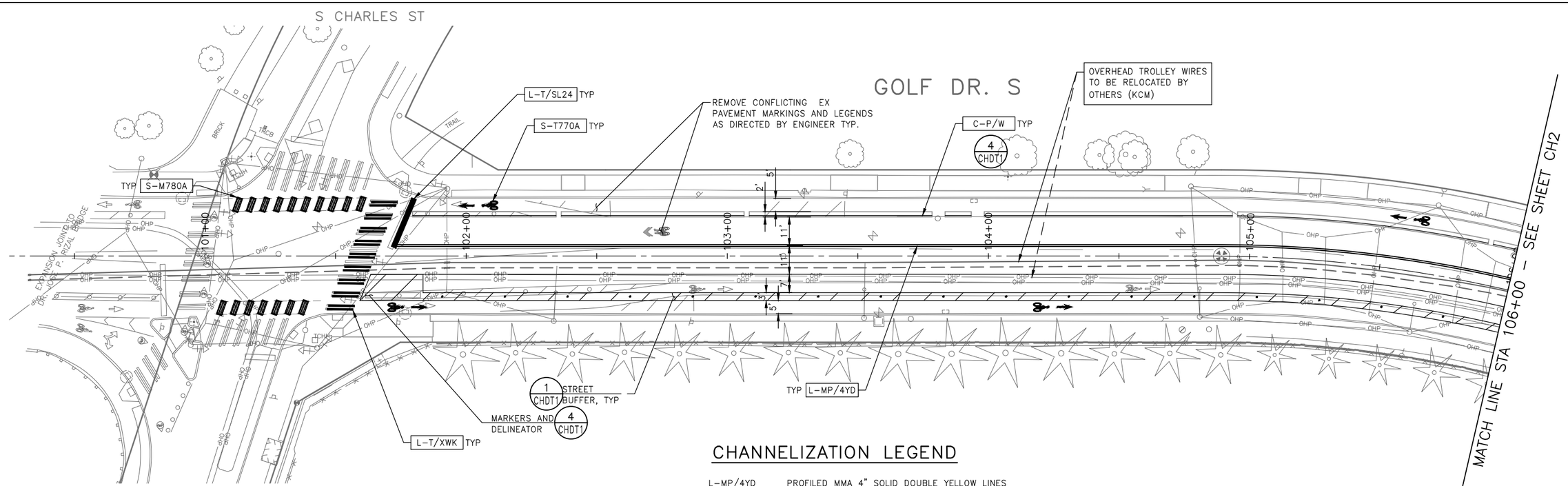

CHANNELIZATION LEGEND

L-MP/4YD	PROFILED MMA 4" SOLID DOUBLE YELLOW LINES W/ 4" SPACE BETWEEN
L-MP/4YS	PROFILED MMA 4" SOLID YELLOW LINE
L-MP/4YO	PROFILED MMA 4" SOLID YELLOW LINE W/ PARALLEL DASHED 4" YELLOW LINE, 10' PAINT AND 20' SKIP
L-MP/4WB	PROFILED MMA 4" DASHED WHITE LINE W/ 10' PAINT & 20' SKIP
L-M/4W2	MMA 4" DASHED WHITE LINE W/ 2' PAINT & 4' SKIP
L-M/4WS	MMA 4" SOLID WHITE LINE
L-M/6W2	MMA 6" DASHED WHITE LINE, W/ 2' PAINT & 4' SKIP
L-M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
L-M/6WS	MMA 6" SOLID WHITE LINE
L-MP/4WS	PROFILED MMA 4" SOLID WHITE LINE
L-T/SL16	THERMOPLASTIC 16" STOPLINE
L-T/SL24	THERMOPLASTIC 24" STOPLINE
L-M/8WS	MMA 8" SOLID WHITE LINE
L-T/XWK	THERMOPLASTIC 8" CROSSWALK
C-P/BUSB	BUS ZONE STRIPE, STD PLAN 713
C-P/W	WHITE CURB STRIPE. STD PLAN 713
C-P/Y	YELLOW CURB STRIPE. STD PLAN 713
S-T720A	THERMOPLASTIC LEFT ARROW
S-T720B	THERMOPLASTIC THROUGH ARROW
S-T720C	THERMOPLASTIC RIGHT ARROW
S-T721A	THERMOPLASTIC LEFT/THROUGH ARROW
S-T723A	THERMOPLASTIC LEFT MERGE ARROW
S-T730A	THERMOPLASTIC "ONLY" LEGEND
S-T730B	THERMOPLASTIC "BUS" LEGEND
S-T730C	THERMOPLASTIC "SLOW" LEGEND
S-T741A	THERMOPLASTIC PEDESTRIAN SYMBOL
S-T770A	THERMOPLASTIC BICYCLE LANE SYMBOL & ARROW
S-M770A	MMA BICYCLE LANE SYMBOL & ARROW
S-T771A	THERMOPLASTIC BIKE SHARROW
S-M771C	MMA BIKE SYMBOL
S-T773A	THERMOPLASTIC BIKE DOT.
S-M780A	MMA GREEN CROSS BIKE FOR ONE-WAY BIKE LANE
S-M781	MMA GREEN DRIVEWAY MARKING (SEE DETAIL ON CHDT1)
FDP28(66)W	FLEXIBLE DELINEATOR POST, 28"(66"), WHITE
GREEN	GREEN PAVEMENT MARKING (MMA)

NOTES

1. SEE SHEET NT1 FOR ADDITIONAL NOTES.
2. INSTALL TYPE 2A MARKERS WITH LANE LINE MARKING PER SECTION 8-22.1(2)C AND STD PLANS.
3. REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS AND LEGENDS AS DIRECTED BY ENGINEER

INSTALL
REMOVE
RELOCATE/ MAINTAIN

SIGNING LEGEND

SEE SHEET CHDT3 FOR SIGNING LEGEND AND SCHEDULE.

20 10 0 20 40
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CHANNELIZATION & SIGNING

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH1
SHEET 86 OF 100

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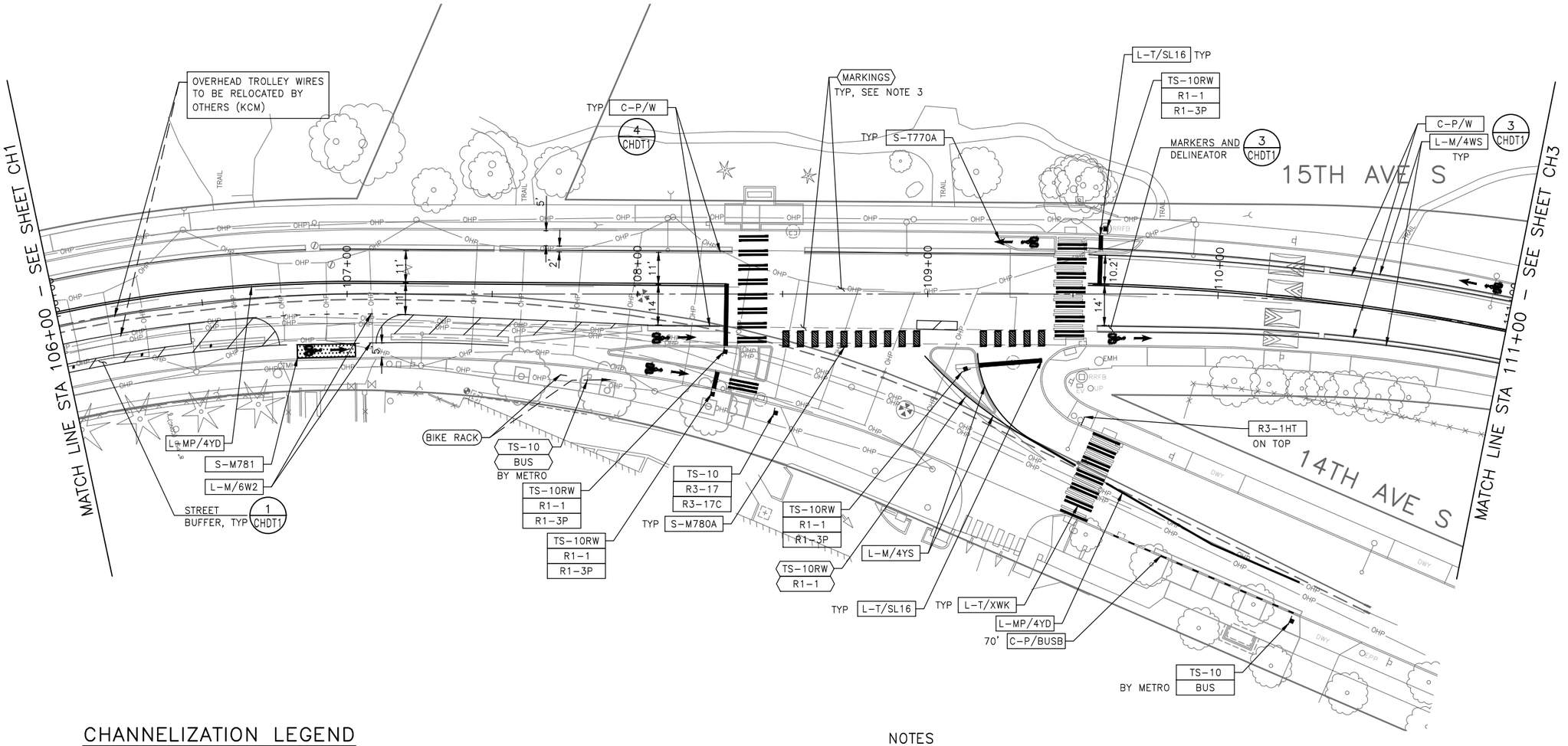

CHANNELIZATION LEGEND

L-MP/4YD	PROFILED MMA 4" SOLID DOUBLE YELLOW LINES W/ 4" SPACE BETWEEN
L-MP/4YS	PROFILED MMA 4" SOLID YELLOW LINE
L-MP/4YO	PROFILED MMA 4" SOLID YELLOW LINE W/ PARALLEL DASHED 4" YELLOW LINE, 10' PAINT AND 20' SKIP
L-MP/4WB	PROFILED MMA 4" DASHED WHITE LINE W/ 10' PAINT & 20' SKIP
L-M/4W2	MMA 4" DASHED WHITE LINE W/ 2' PAINT & 4' SKIP
L-M/4WS	MMA 4" SOLID WHITE LINE
L-M/6W2	MMA 6" DASHED WHITE LINE, W/ 2' PAINT & 4' SKIP
L-M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
L-M/6WS	MMA 6" SOLID WHITE LINE
L-MP/4WS	PROFILED MMA 4" SOLID WHITE LINE
L-T/SL16	THERMOPLASTIC 16" STOPLINE
L-T/SL24	THERMOPLASTIC 24" STOPLINE
L-M/8WS	MMA 8" SOLID WHITE LINE
L-T/XWK	THERMOPLASTIC 8" CROSSWALK
C-P/BUSB	BUS ZONE STRIPE, STD PLAN 713
C-P/W	WHITE CURB STRIPE. STD PLAN 713
C-P/Y	YELLOW CURB STRIPE. STD PLAN 713
S-T720A	THERMOPLASTIC LEFT ARROW
S-T720B	THERMOPLASTIC THROUGH ARROW
S-T720C	THERMOPLASTIC RIGHT ARROW
S-T721A	THERMOPLASTIC LEFT/THROUGH ARROW
S-T723A	THERMOPLASTIC LEFT MERGE ARROW
S-T730A	THERMOPLASTIC "ONLY" LEGEND
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S-T730C	THERMOPLASTIC "SLOW" LEGEND
S-T741A	THERMOPLASTIC PEDESTRIAN SYMBOL
S-T770A	THERMOPLASTIC BICYCLE LANE SYMBOL & ARROW
S-M770A	MMA BICYCLE LANE SYMBOL & ARROW
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S-T773A	THERMOPLASTIC BIKE DOT.
S-M780A	MMA GREEN CROSS BIKE FOR ONE-WAY BIKE LANE
S-M781	MMA GREEN DRIVEWAY MARKING (SEE DETAIL ON CHDT1)
FDP28(66)W	FLEXIBLE DELINEATOR POST, 28"(66"), WHITE
GREEN	GREEN PAVEMENT MARKING (MMA)

NOTES

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INSTALL
REMOVE
RELOCATE/ MAINTAIN

SIGNING LEGEND

SEE SHEET CHDT3 FOR SIGNING LEGEND AND SCHEDULE.

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CHANNELIZATION & SIGNING

APPROVED FOR ADVERTISING
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
BY: . . . . . PURCHASING AND CONTRACTING

INITIALS AND DATE
DESIGNED
CHECKED
DRAWN
CHECKED
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

INITIALS AND DATE
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DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

LAURENTIU DUMITRU STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH2
SHEET 87 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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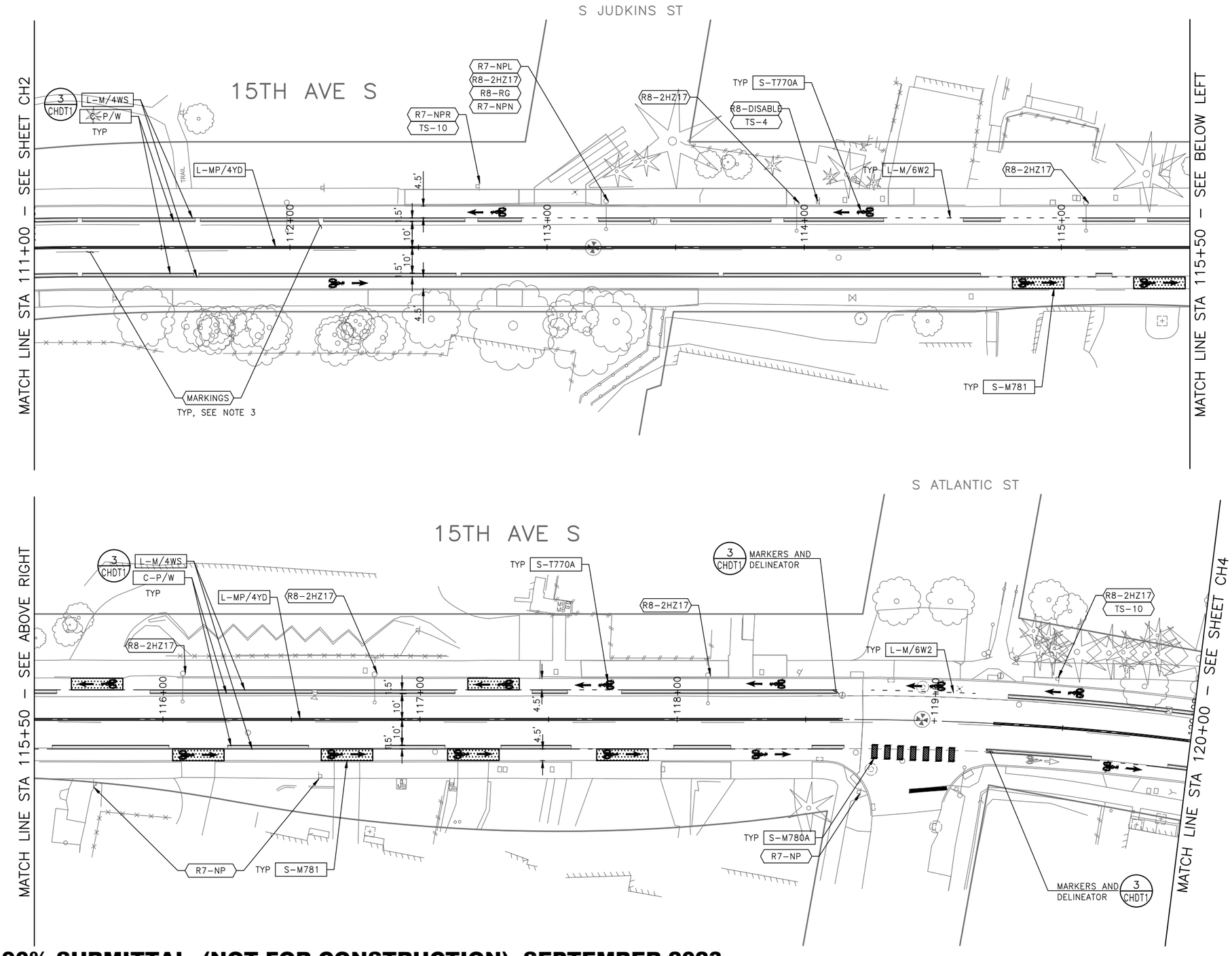

CHANNELIZATION LEGEND

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L–MP/4YS	PROFILED MMA 4" SOLID YELLOW LINE
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L–M/4W2	MMA 4" DASHED WHITE LINE W/ 2' PAINT & 4' SKIP
L–M/4WS	MMA 4" SOLID WHITE LINE
L–M/6W2	MMA 6" DASHED WHITE LINE, W/ 2' PAINT & 4' SKIP
L–M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
L–M/6WS	MMA 6" SOLID WHITE LINE
L–MP/4WS	PROFILED MMA 4" SOLID WHITE LINE
L–T/SL16	THERMOPLASTIC 16" STOPLINE
L–T/SL24	THERMOPLASTIC 24" STOPLINE
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L–T/XWK	THERMOPLASTIC 8" CROSSWALK
C–P/BUSB	BUS ZONE STRIPE, STD PLAN 713
C–P/W	WHITE CURB STRIPE. STD PLAN 713
C–P/Y	YELLOW CURB STRIPE. STD PLAN 713
S–T720A	THERMOPLASTIC LEFT ARROW
S–T720B	THERMOPLASTIC THROUGH ARROW
S–T720C	THERMOPLASTIC RIGHT ARROW
S–T721A	THERMOPLASTIC LEFT/THROUGH ARROW
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NOTES

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INSTALL
REMOVE
RELOCATE/ MAINTAIN

SIGNING LEGEND

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N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CHANNELIZATION & SIGNING

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

APPROVED FOR ADVERTISING
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
BY: . . . . . PURCHASING AND CONTRACTING

INITIALS AND DATE	
DESIGNED	
CHECKED	
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CHECKED	

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
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REVISED AS BUILT	

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LAURENTIU DUSCALIUC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023–028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH3
SHEET 88 OF 100

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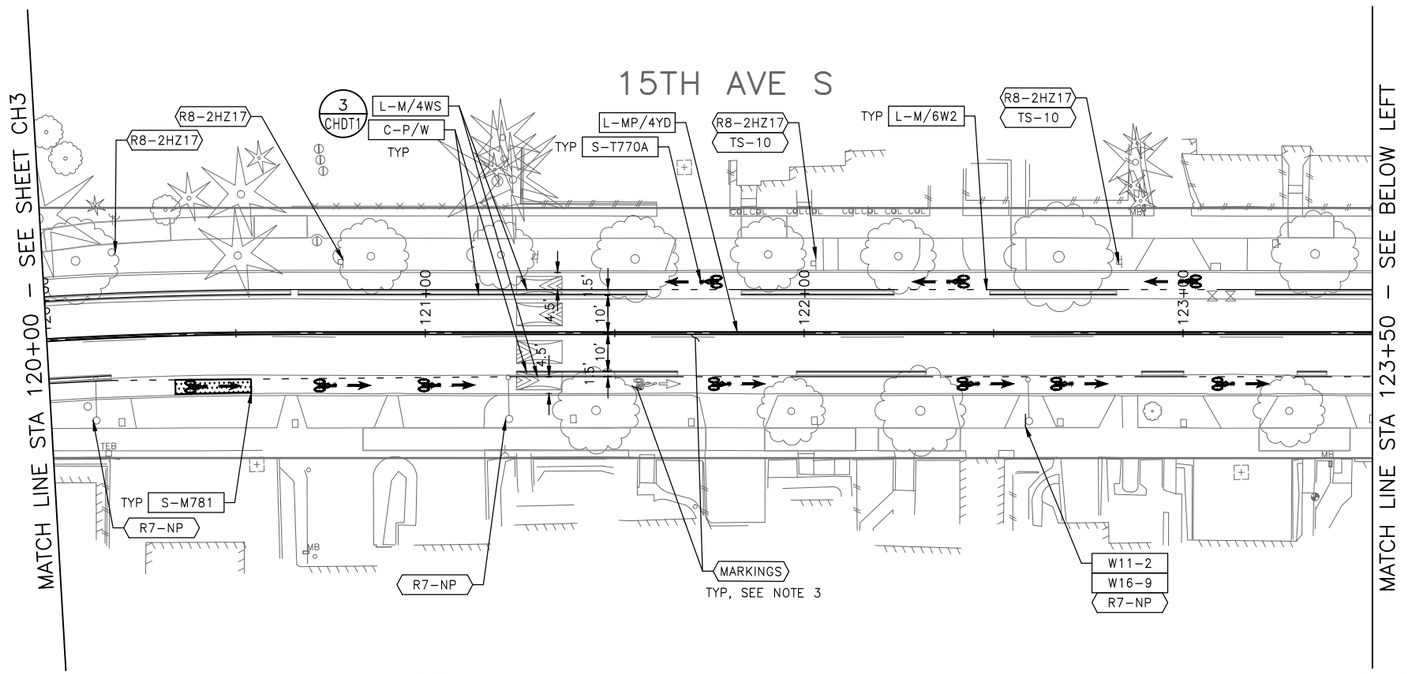

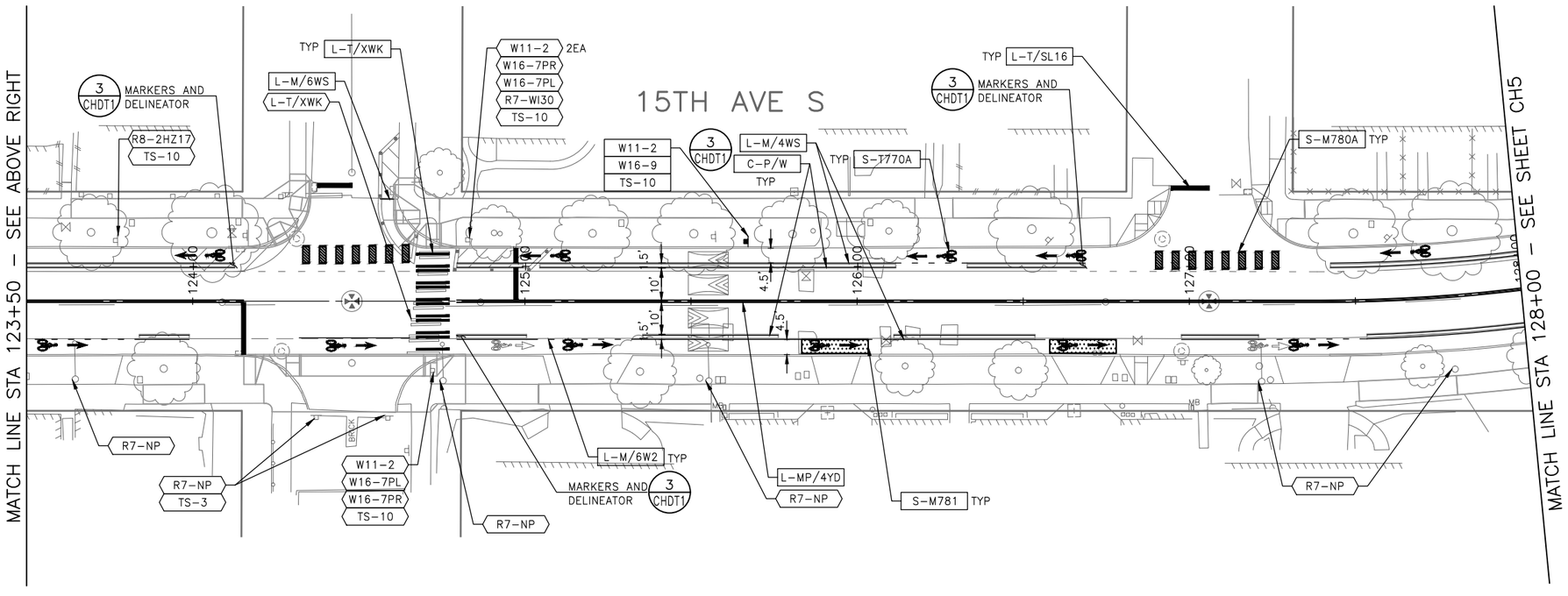

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L-M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
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RELOCATE/ MAINTAIN

SIGNING LEGEND

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N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CHANNELIZATION & SIGNING

APPROVED FOR ADVERTISING
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
SEATTLE, WASHINGTON . . . . . 20 . . .
BY: . . . . . PURCHASING AND CONTRACTING

INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST.
	SDOT PROJ. MGR.
DRAWN	RECEIVED
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LAURENT LIU DUSCHAC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH4
SHEET 89 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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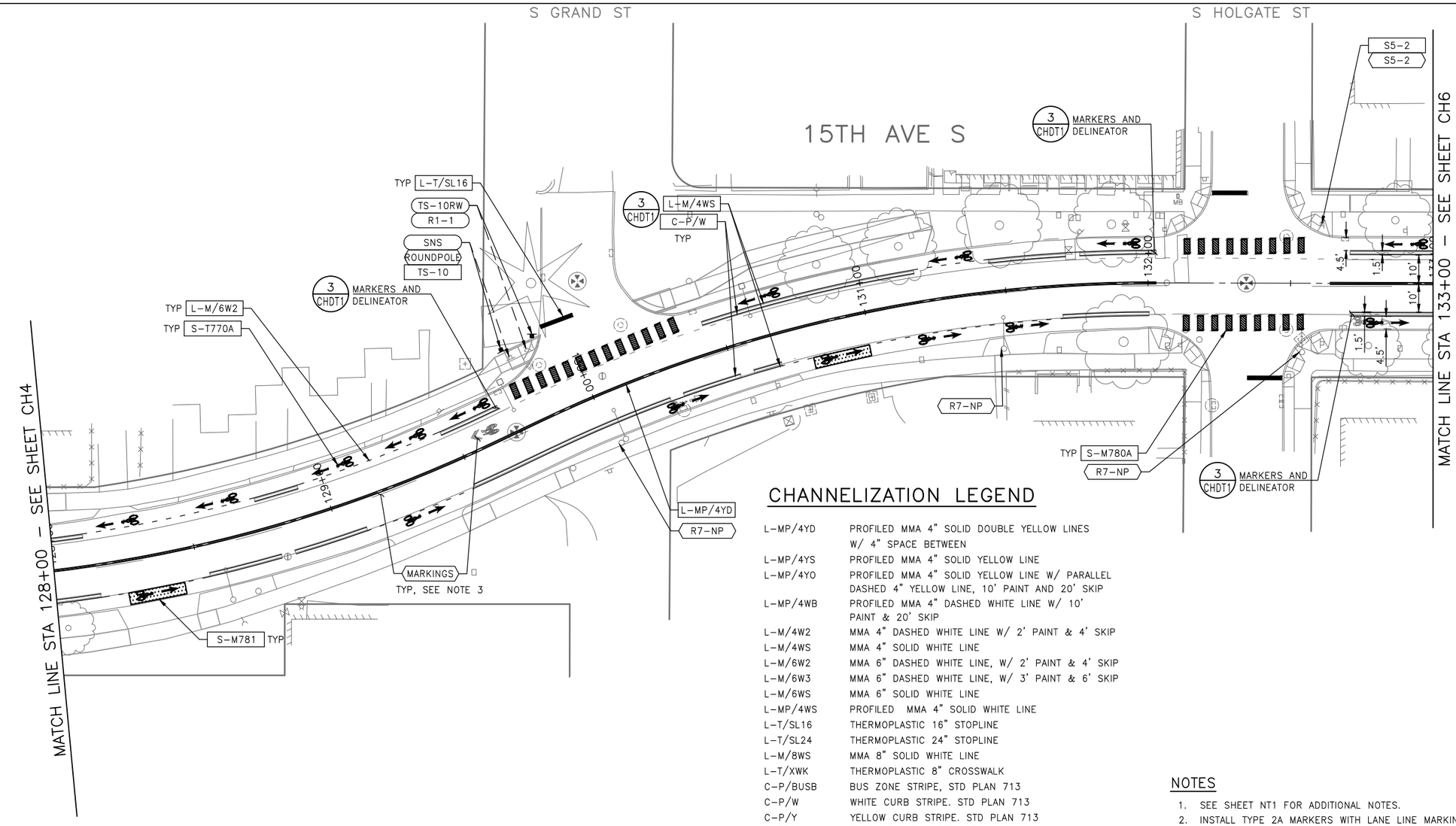

CHANNELIZATION LEGEND

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90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

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SEATTLE, WASHINGTON . . . . . 20 . . .
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LAWRENCE J. DISCHINGER, STATE OF WASHINGTON, 55448, REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH5
SHEET 90 OF 100

VAULT SERIAL NO. | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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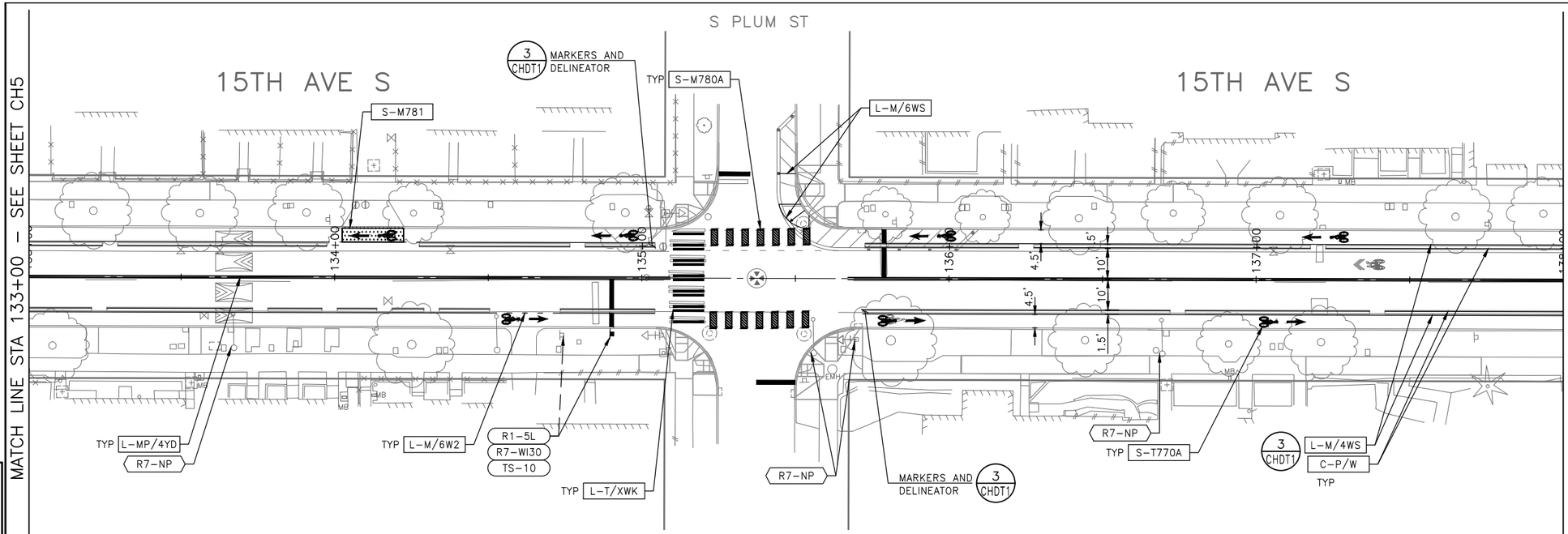

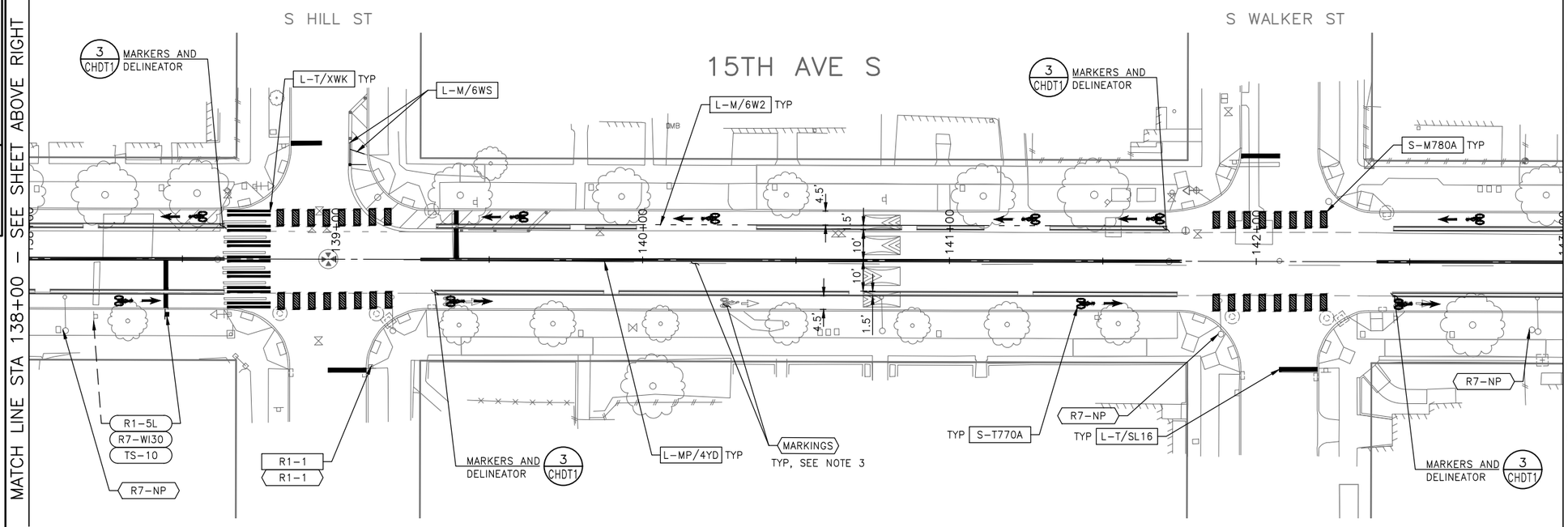

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RELOCATE/ MAINTAIN

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N

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90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

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SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH6
SHEET 91 OF 100

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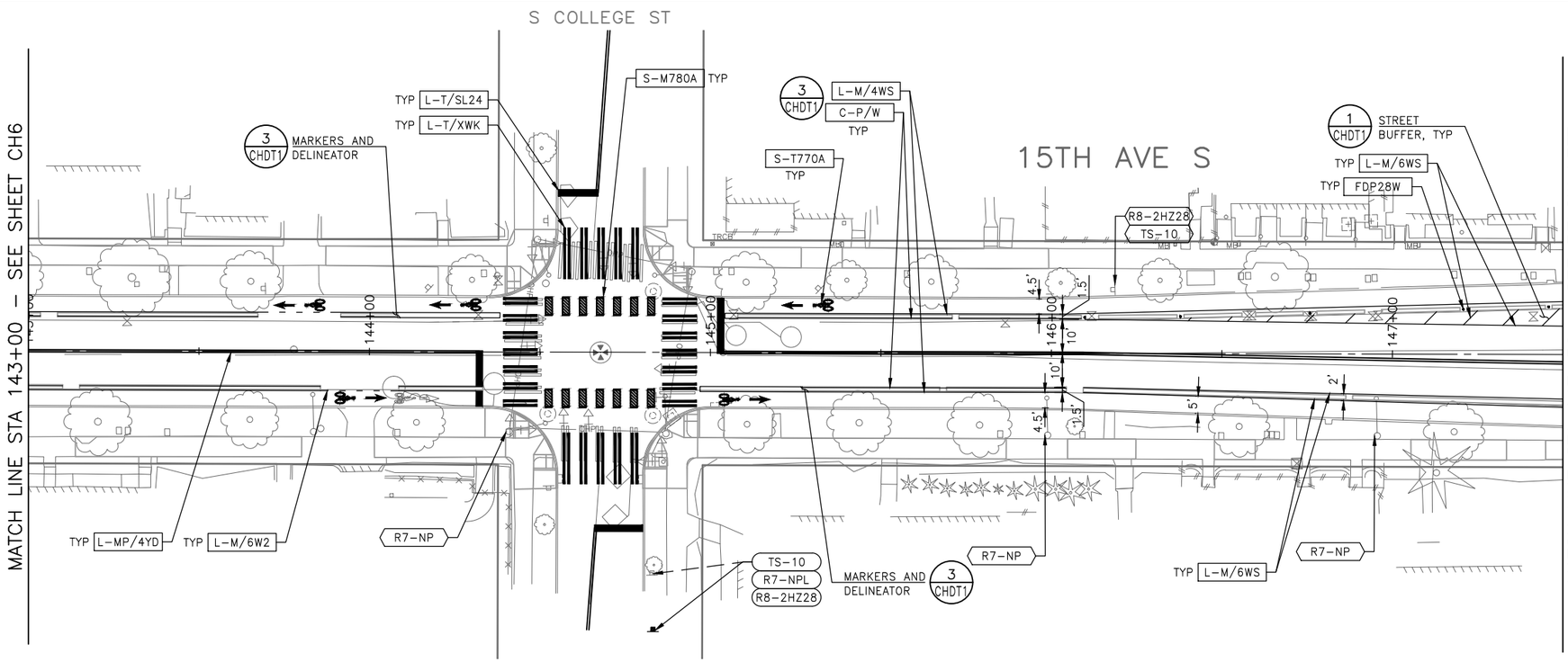

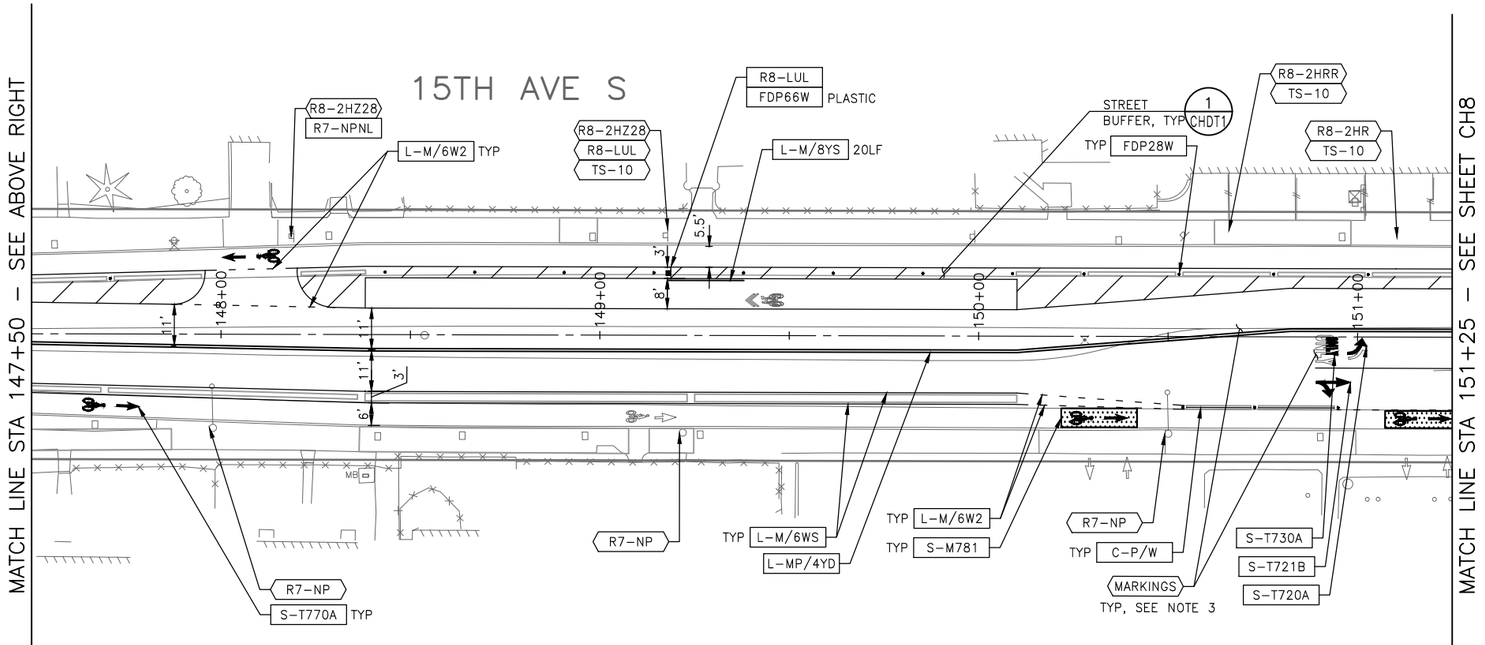

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L-T/SL16	THERMOPLASTIC 16" STOPLINE
L-T/SL24	THERMOPLASTIC 24" STOPLINE
L-M/8WS	MMA 8" SOLID WHITE LINE
L-T/XWK	THERMOPLASTIC 8" CROSSWALK
C-P/BUSB	BUS ZONE STRIPE, STD PLAN 713
C-P/W	WHITE CURB STRIPE. STD PLAN 713
C-P/Y	YELLOW CURB STRIPE. STD PLAN 713
S-T720A	THERMOPLASTIC LEFT ARROW
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S-T720C	THERMOPLASTIC RIGHT ARROW
S-T721A	THERMOPLASTIC LEFT/THROUGH ARROW
S-T723A	THERMOPLASTIC LEFT MERGE ARROW
S-T730A	THERMOPLASTIC "ONLY" LEGEND
S-T730B	THERMOPLASTIC "BUS" LEGEND
S-T730C	THERMOPLASTIC "SLOW" LEGEND
S-T741A	THERMOPLASTIC PEDESTRIAN SYMBOL
S-T770A	THERMOPLASTIC BICYCLE LANE SYMBOL & ARROW
S-M770A	MMA BICYCLE LANE SYMBOL & ARROW
S-T771A	THERMOPLASTIC BIKE SHARROW
S-M771C	MMA BIKE SYMBOL
S-T773A	THERMOPLASTIC BIKE DOT.
S-M780A	MMA GREEN CROSS BIKE FOR ONE-WAY BIKE LANE
S-M781	MMA GREEN DRIVEWAY MARKING (SEE DETAIL ON CHDT1)
FDP28(66)W	FLEXIBLE DELINEATOR POST, 28"(66"), WHITE
GREEN	GREEN PAVEMENT MARKING (MMA)

NOTES

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INSTALL
REMOVE
RELOCATE/ MAINTAIN

SIGNING LEGEND

SEE SHEET CHDT3 FOR SIGNING LEGEND AND SCHEDULE.

N

20 10 0 20 40
SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CHANNELIZATION & SIGNING

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES
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DES.	CONST.
SDOT	PROJ. MGR.
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LAURENTIU DESCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH7
SHEET 92 OF 100

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Sep-20-23 8:26am

CHANNELIZATION LEGEND

L-MP/4YD	PROFILED MMA 4" SOLID DOUBLE YELLOW LINES W/ 4" SPACE BETWEEN
L-MP/4YS	PROFILED MMA 4" SOLID YELLOW LINE
L-MP/4YO	PROFILED MMA 4" SOLID YELLOW LINE W/ PARALLEL DASHED 4" YELLOW LINE, 10' PAINT AND 20' SKIP
L-MP/4WB	PROFILED MMA 4" DASHED WHITE LINE W/ 10' PAINT & 20' SKIP
L-M/4W2	MMA 4" DASHED WHITE LINE W/ 2' PAINT & 4' SKIP
L-M/4WS	MMA 4" SOLID WHITE LINE
L-M/6W2	MMA 6" DASHED WHITE LINE, W/ 2' PAINT & 4' SKIP
L-M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
L-M/6WS	MMA 6" SOLID WHITE LINE
L-MP/4WS	PROFILED MMA 4" SOLID WHITE LINE
L-T/SL16	THERMOPLASTIC 16" STOPLINE
L-T/SL24	THERMOPLASTIC 24" STOPLINE
L-M/8WS	MMA 8" SOLID WHITE LINE
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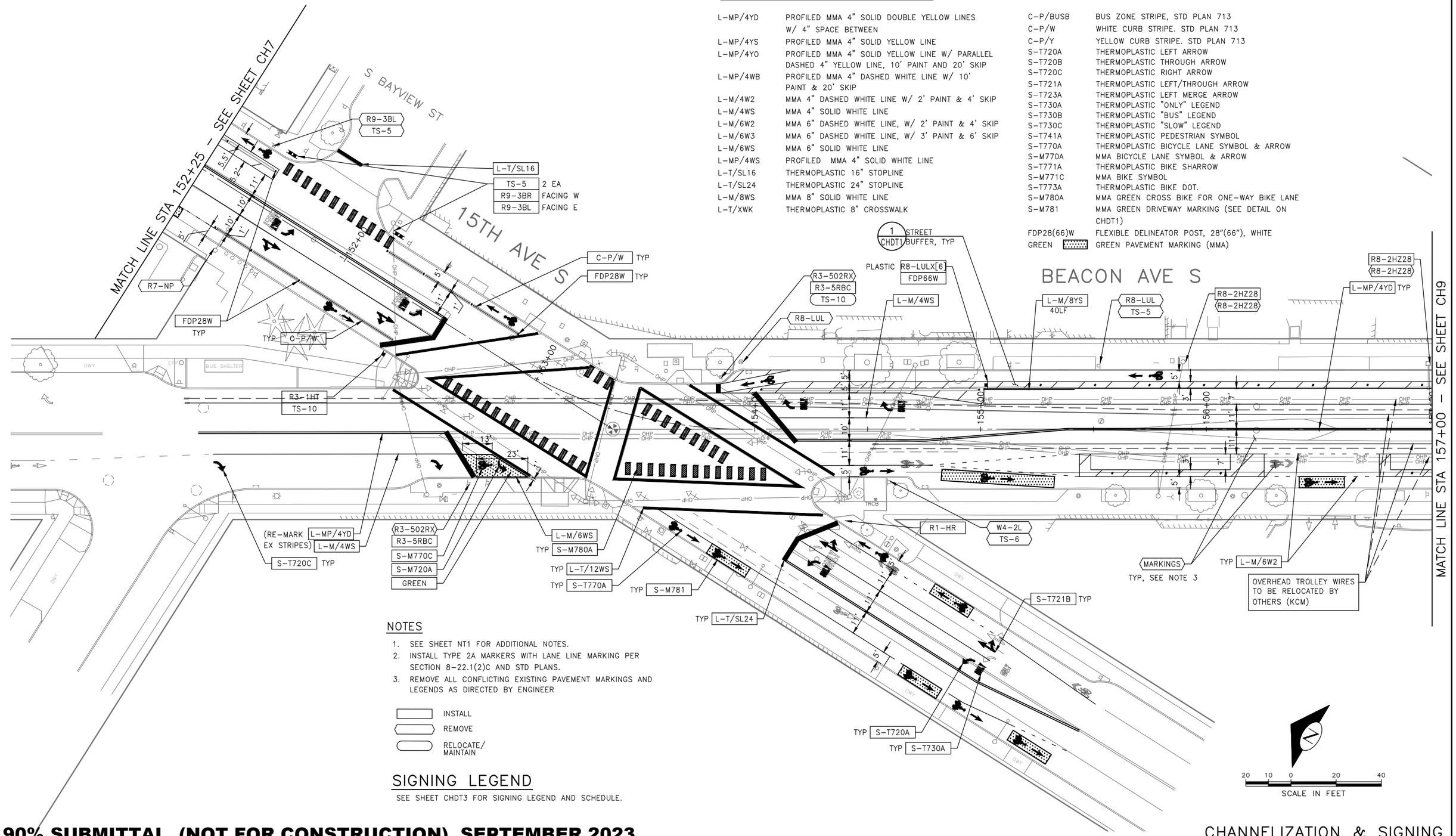

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REMOVE
RELOCATE/ MAINTAIN

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LAWRENCE J. DOSCOTCH, STATE OF WASHINGTON, 55448, REGISTERED PROFESSIONAL ENGINEER

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JOB PC TRC1059 CO TRC1059
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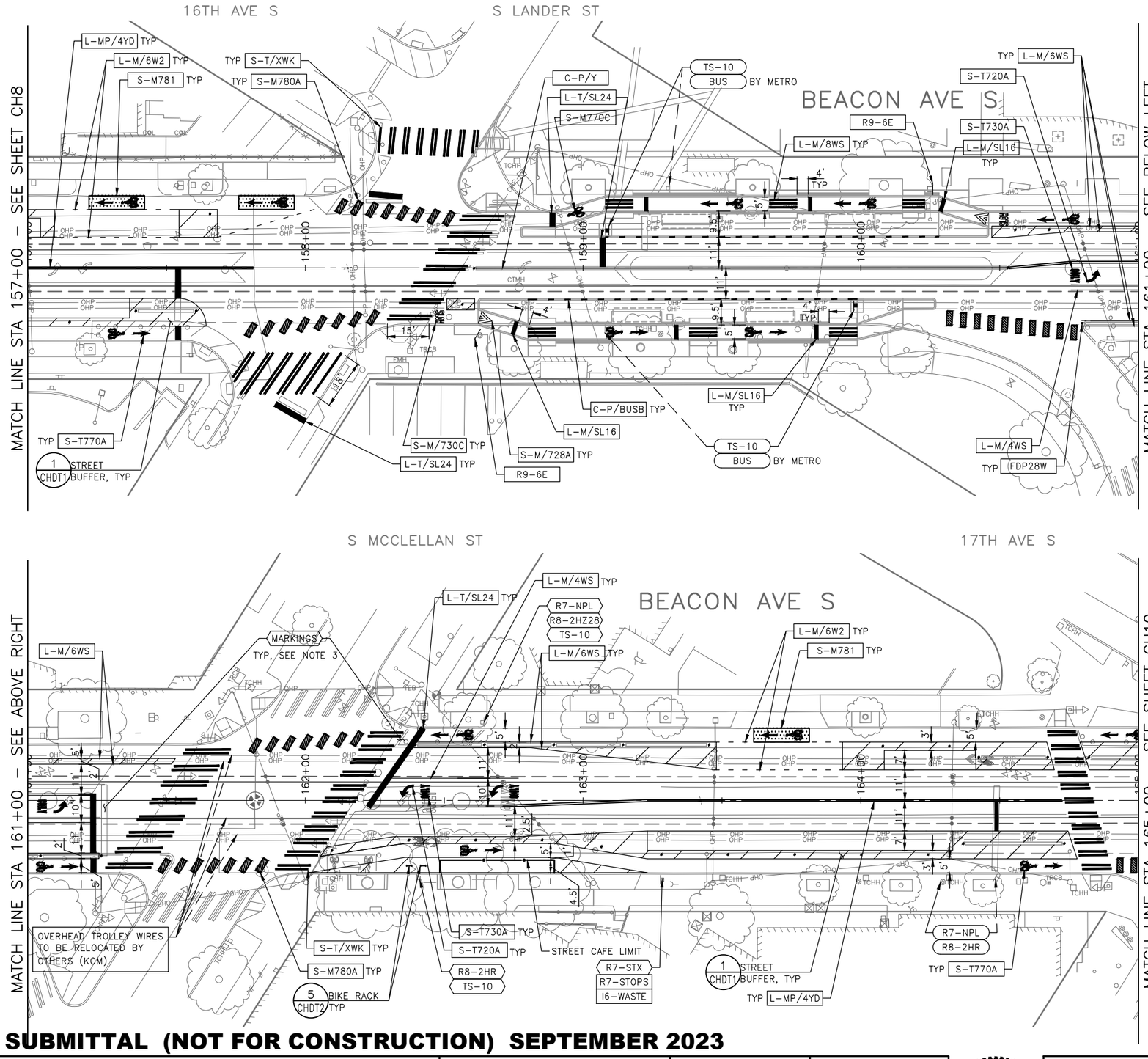

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L-M/4W2	MMA 4" DASHED WHITE LINE W/ 2' PAINT & 4' SKIP
L-M/4WS	MMA 4" SOLID WHITE LINE
L-M/6W2	MMA 6" DASHED WHITE LINE, W/ 2' PAINT & 4' SKIP
L-M/6W3	MMA 6" DASHED WHITE LINE, W/ 3' PAINT & 6' SKIP
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LAURENTIU DESCHIC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
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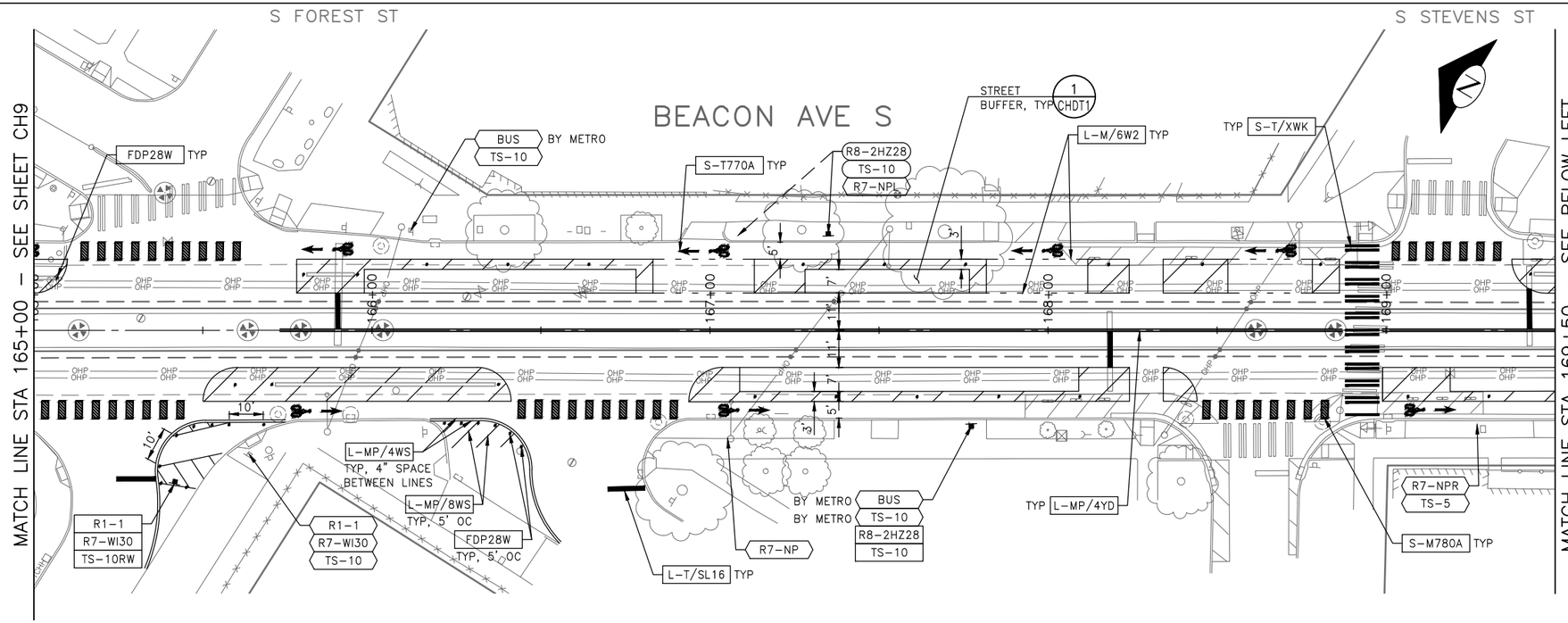

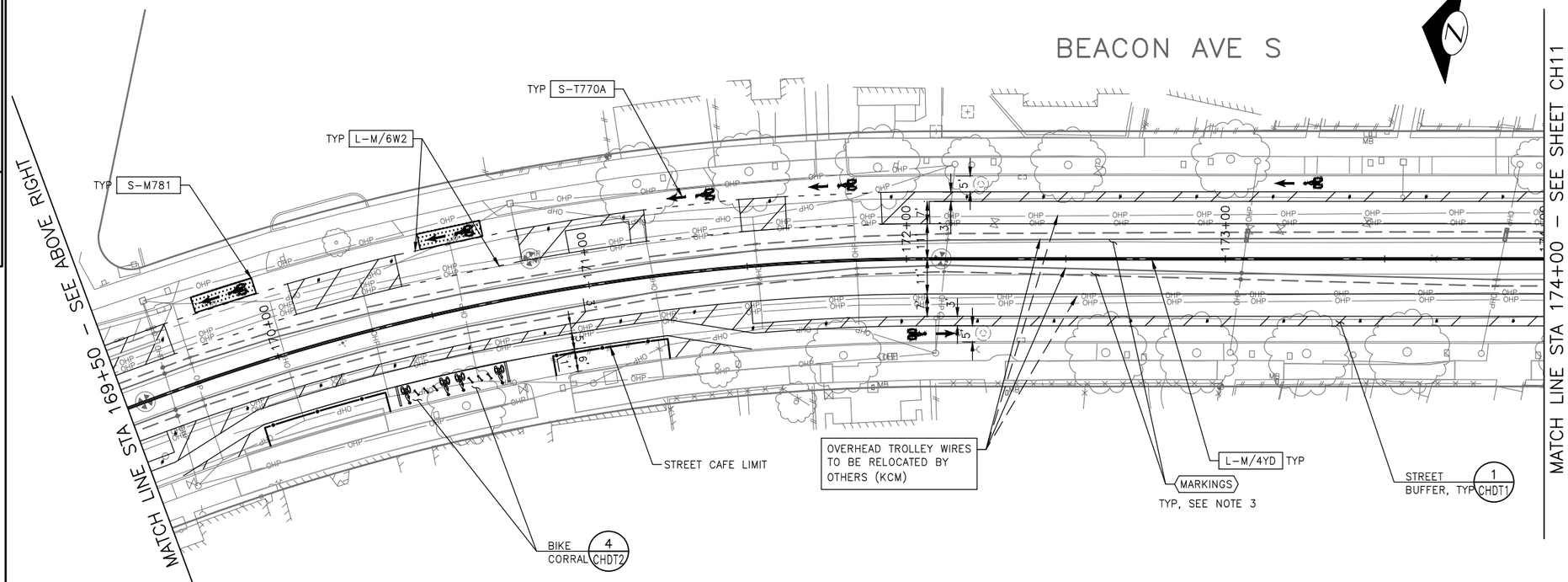

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Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CH10
SHEET 95 OF 100

NATURE	MADE	CHK'D	REV'D
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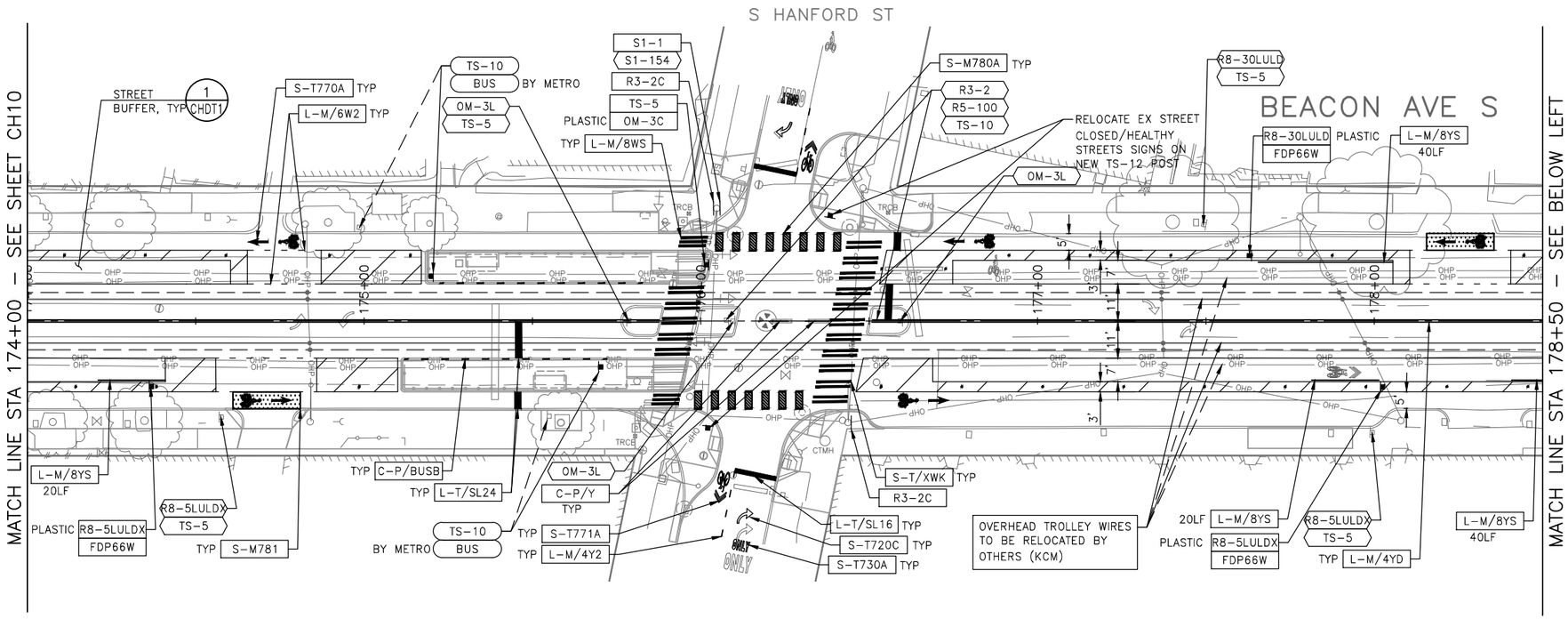

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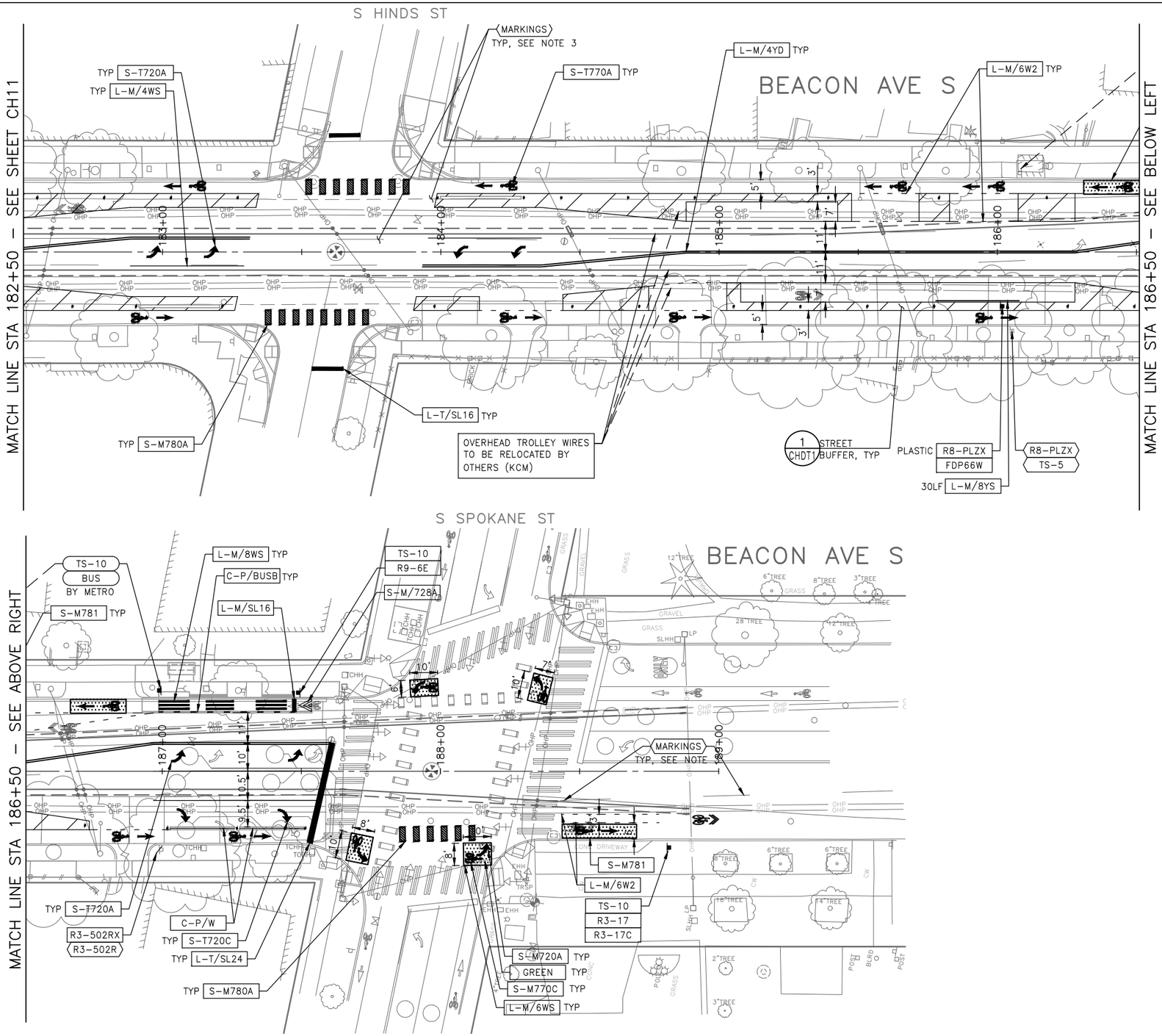

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SCALE IN FEET

90% SUBMITTAL (NOT FOR CONSTRUCTION) SEPTEMBER 2023

CHANNELIZATION & SIGNING

	APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . BY: . . . . . PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT

LAURENTIU DUSCHITC STATE OF WASHINGTON 55448 REGISTERED PROFESSIONAL ENGINEER

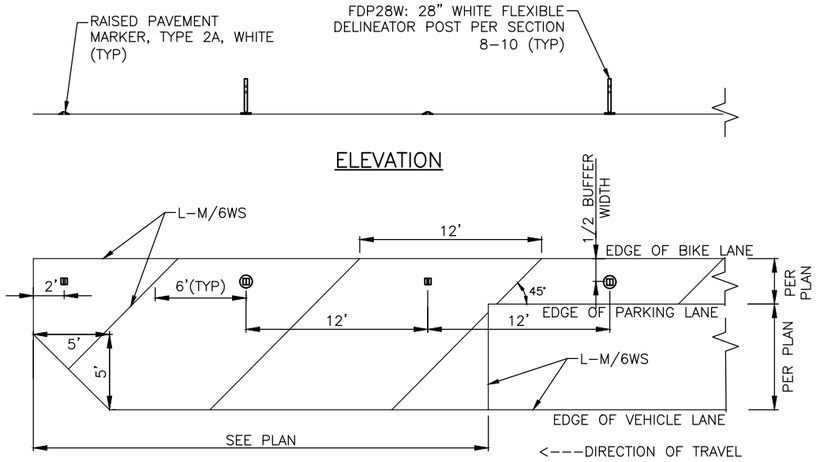
Seattle Department of Transportation
ORDINANCE NO. PW NO. 2023-028
SCALE: H. 1"=20', V. 1"=10'

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

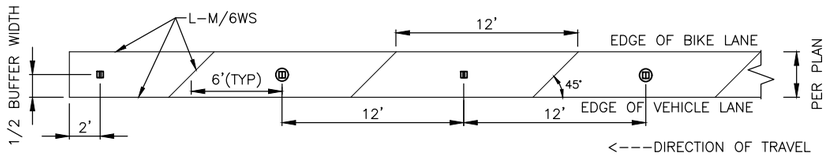
JOB PC TRC1059 CO TRC1059
VPI #
CH12
SHEET 97 OF 100

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

P:\SDOTCP\rc1059_beacon hill bike route\a-plot sheets\TRC1059_P-MRKG.dwg
Sep-20-23 8:29am

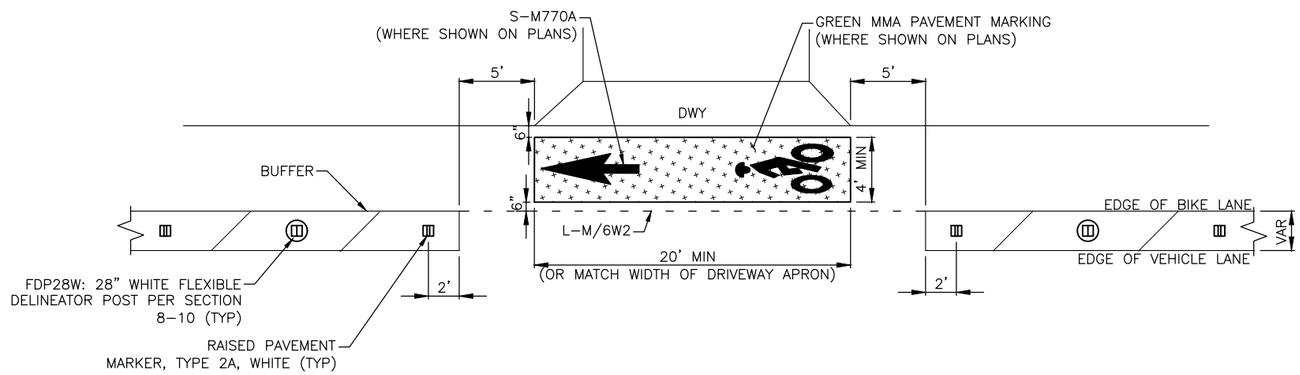


WITH PARKING – PLAN



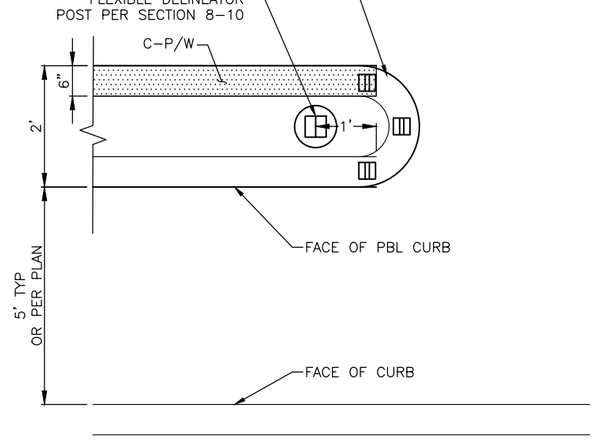
WITHOUTH PARKING – PLAN

STREET BUFFER (1)
NOT TO SCALE

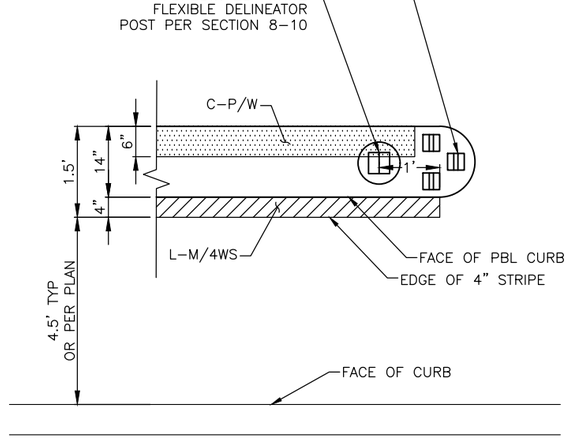


NOTE:
SEE STD PLAN 781 FOR ADDITIONAL DETAILS.

DRIVEWAY CROSSING (2)
NOT TO SCALE



MARKINGS AT PBL CURB
BUFFER TYPE 1 (2' WIDE) (4)
NOT TO SCALE



MARKINGS AT PBL CURB
BUFFER TYPE 2 (14" WIDE) (3)
NOT TO SCALE

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CHDT1
SHEET 98 OF 100

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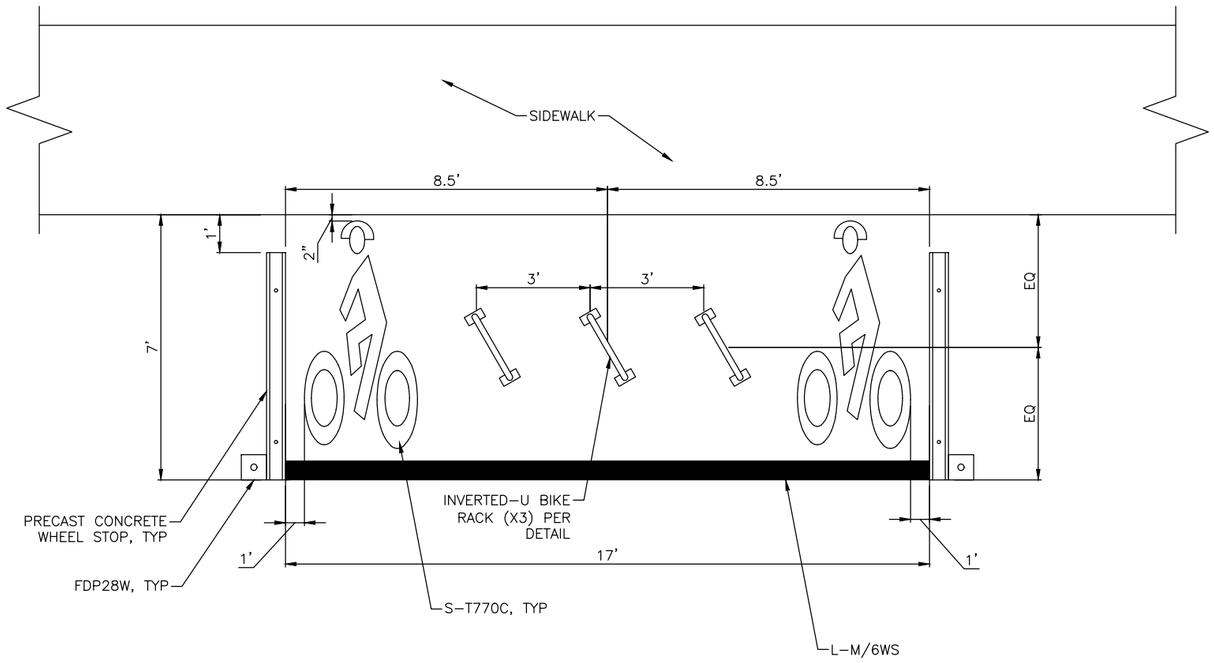
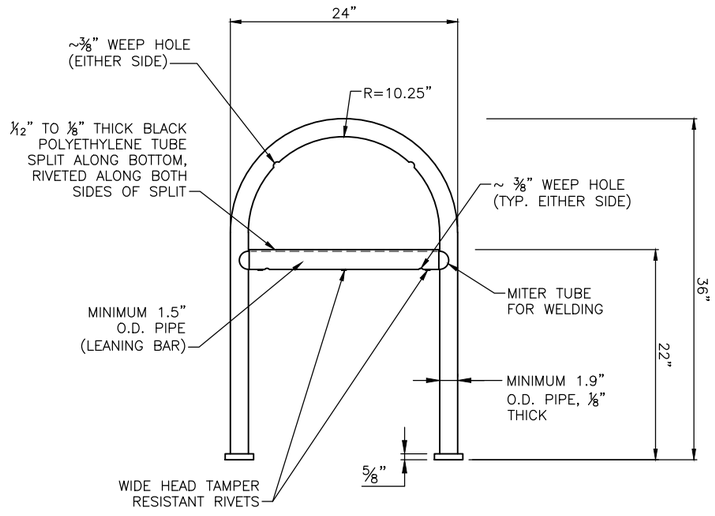
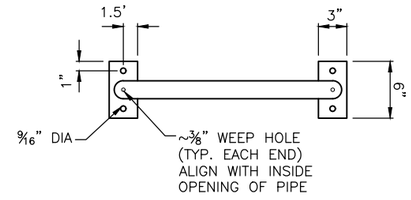


PLAN VIEW

BIKE CORRAL 4
NOT TO SCALE



ELEVATION



PLAN

INVERTED-U BIKE RACK 5
NOT TO SCALE

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CHDT2
SHEET 99 OF 100

SIGN SCHEDULE (CONT.)

SIGN CODE	SIGN TEXT/ DESCREPTION	SIGN IMAGE	SIGN SIZE
OM-3C	OBJECT CENTERED [TRAVEL TO EITHER SIDE]		24x36 RECTANGLE BLACK/YELW
R1-1	STOP		30x30 OCTAGON WHITE/RED
R3-17	BIKE, BIKE LANE		24X18 RECTANGLE WHITE/BLAK
R3-17C	ENDS		24X8 RECTANGLE BLACK/WHIT RED
R3-1HT	[NO 135-DEGREE RIGHT TURN],TRUCKS		24x30 BLACK RED WHITE
R3-2C	[NO LEFT TURN] EXCEPT BICYCLES		24x30 BLACK WHITE RED
R3-5RBC	[45R CURVE ARROW] ONLY EXCEPT BUSES AND BICYCLES		30x36 WHITE BLACK
R7-NPL	NO PARKING W/LEFT ARROW		12X18 RECTANGLE RED/WHITE BLACK/WHIT
R7-NPN	NO PARKING NORTH OF HERE		12x18 RECTANGLE RED/WHITE
R8-15LULD			
R8-2HR	2 H PARKING 7AM-6PM EXC SUN-HOL		12x18 RECTANGLE GREEN/WHIT
R8-2HZ28	2 H [Circle P] 7A-6P MON-FRI, EXC BY ZN 28 PERMIT		12X18 RECTANGLE GREEN/WHIT GREEN/WHIT
R8-30LULD			

SIGN SCHEDULE (CONT.)

SIGN CODE	SIGN TEXT/ DESCREPTION	SIGN IMAGE	SIGN SIZE
R8-5LULDX	5 MINUTE LOAD AND UNLOAD ONLY 10PM -3 AM		YELLOW BLACK/WHIT RED
R8-LUL	30 M LOAD AND UNLOAD ONLY TAZ		12x18 RECTANGLE BLACK/YELW RED/WHITE
R8-LULX[6]	(6)15 M LOAD & UNLOAD ONLY EVERYDAY, [CAR BEING TOWED]		12x18 RECTANGLE BLACK/YELW RED/WHITE
R8-PLZX	(1)PASSENGER LOAD ONLY 6P-2A EVERYDAY		12x18 RECTANGLE BLACK/WHIT
R9-3BL	[RED SLASHED CIRCLE OVER PED] USE CROSSWALK [LT ARROW]		18x24 RECTANGLE BLACK/WHIT RED/WHITE
R9-3BR	[RED SLASHED CIRCLE OVER PED] USE CROSSWALK [RT ARROW]		18x24 RECTANGLE BLACK/WHIT RED/WHITE
R9-6	[BIKE] YIELD TO PEDS		12X18 RECTANGLE BLACK/WHIT
S1-1	[SCHOOL PED]		30x30 PE BLACK/FLGR
S5-2	END SCHOOL ZONE		24X30 RECTANGLE BLACK/WHIT
SNS			
W11-2	[PEDESTRIAN]		30x30 DIAMOND BLACK/FLGR
W16-9	AHEAD		24x12 RECTANGLE BLACK/FLGR

SIGNING LEGEND

OM-3C	OBJECT CENTERED [TRAVEL TO EITHER SIDE]
R1-1	STOP
R3-17	[BIKE], BIKE LANE
R3-17C	ENDS
R3-1HT	[NO 135-DEGREE RIGHT TURN],TRUCKS
R3-2C	[NO LEFT TURN] EXCEPT BICYCLES
R3-5RBC	[45R CURVE ARROW] ONLY EXCEPT BUSES AND BICYCLES
R7-NPL	[SLASH OVER CIRCLE] P [LEFT ARROW]
R7-NPN	NO PARKING NORTH OF HERE
R8-15LULD	
R8-2HR	2 H PARKING 7AM-6PM EXC SUN-HOL
R8-2HZ28	2 H [Circle P] 7A-6P MON-FRI, EXC BY ZN 28 PERMIT
R8-30LULD	
R8-5LULDX	5 MINUTE LOAD AND UNLOAD ONLY 10PM -3 AM, TAZ SYMBOL PHONE 206-684-5444
R8-LUL	30 M LOAD AND UNLOAD ONLY TAZ
R8-LULX[6]	(6)15 M LOAD & UNLOAD ONLY EVERYDAY, [CAR BEING TOWED]
R8-PLZX	(1)PASSENGER LOAD ONLY 6P-2A EVERYDAY
R9-3BL	[RED SLASHED CIRCLE OVER PED] USE CROSSWALK [LT ARROW]
R9-3BR	[RED SLASHED CIRCLE OVER PED] USE CROSSWALK [RT ARROW]
R9-6	[BIKE] YIELD TO PEDS
S1-1	[SCHOOL PED]
S5-2	END SCHOOL ZONE
SNS	
W11-2	[PEDESTRIAN]
W16-9	AHEAD
TS-5	5-FOOT SIGN POST PER STD PLAN NO 625
TS-10	10-FOOT SIGN POST PER STD PLAN NO 625
	INSTALL
	REMOVE
	RELOCATE/ MAINTAIN

VAULT	SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D

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SCALE: AS NOTED

BEACON AVE S AND 15TH AVE S SAFETY PROJECT

JOB PC TRC1059 CO TRC1059
VPI #
CHDT3
SHEET 100 OF 100