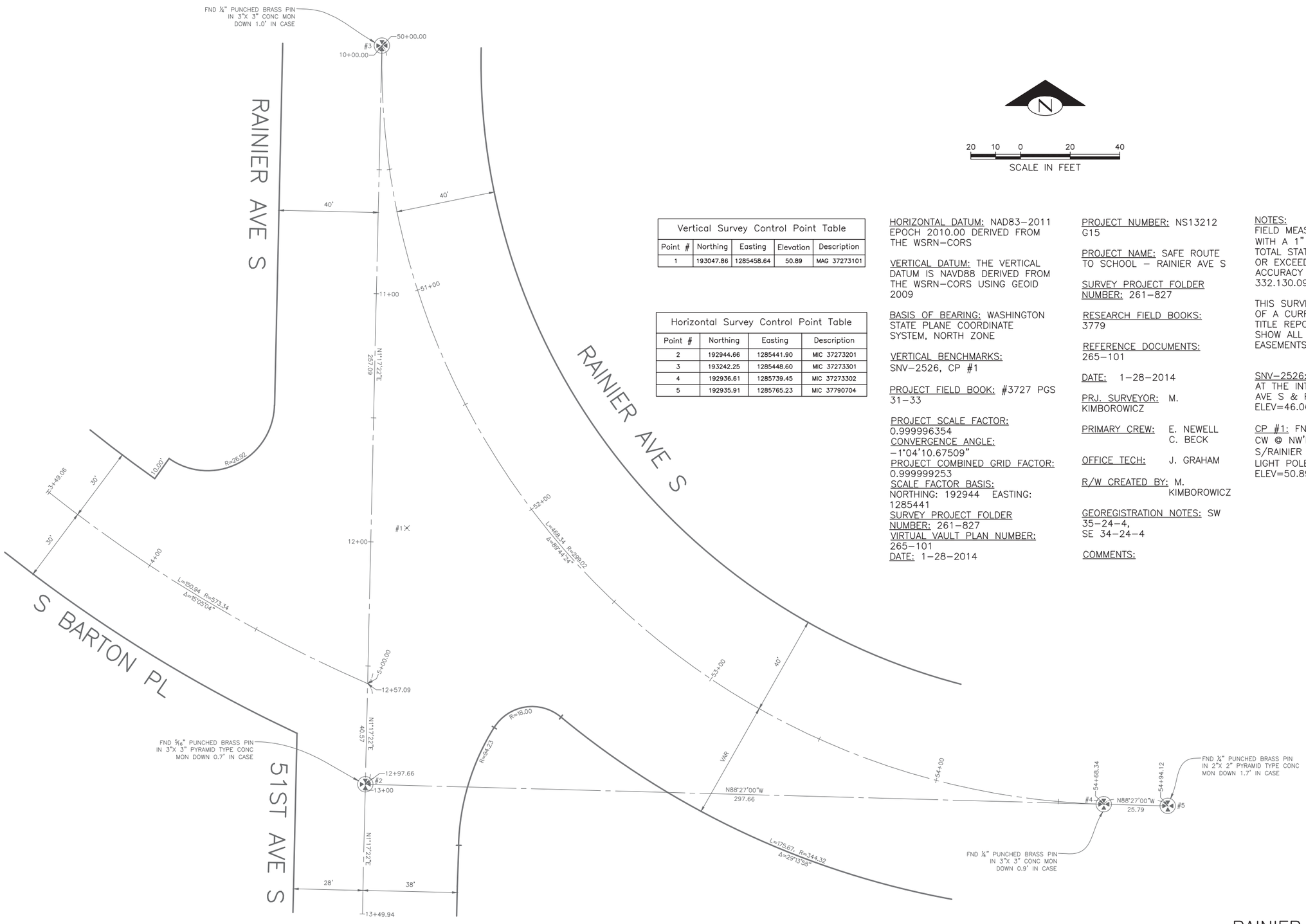

Vertical Survey Control Point Table				
Point #	Northing	Easting	Elevation	Description
1	193047.86	1285458.64	50.89	MAG 37273101

Horizontal Survey Control Point Table			
Point #	Northing	Easting	Description
2	192944.66	1285441.90	MIC 37273201
3	193242.25	1285448.60	MIC 37273301
4	192936.61	1285739.45	MIC 37273302
5	192935.91	1285765.23	MIC 37790704

HORIZONTAL DATUM: NAD83–2011 EPOCH 2010.00 DERIVED FROM THE WSRN–CORS

VERTICAL DATUM: THE VERTICAL DATUM IS NAVD88 DERIVED FROM THE WSRN–CORS USING GEOID 2009

BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE

VERTICAL BENCHMARKS: SNV–2526, CP #1

PROJECT FIELD BOOK: #3727 PGS 31–33

PROJECT SCALE FACTOR: 0.999996354
CONVERGENCE ANGLE: –1°04'10.67509"
PROJECT COMBINED GRID FACTOR: 0.999999253
SCALE FACTOR BASIS: NORTHING: 192944 EASTING: 1285441
SURVEY PROJECT FOLDER NUMBER: 261–827
VIRTUAL VAULT PLAN NUMBER: 265–101
DATE: 1–28–2014

PROJECT NUMBER: NS13212 G15

PROJECT NAME: SAFE ROUTE TO SCHOOL – RAINIER AVE S

SURVEY PROJECT FOLDER NUMBER: 261–827

RESEARCH FIELD BOOKS: 3779

REFERENCE DOCUMENTS: 265–101

DATE: 1–28–2014

PRJ. SURVEYOR: M. KIMBOROWICZ

PRIMARY CREW: E. NEWELL, C. BECK

OFFICE TECH: J. GRAHAM

R/W CREATED BY: M. KIMBOROWICZ

GEOREGISTRATION NOTES: SW 35–24–4, SE 34–24–4

COMMENTS:

NOTES:
FIELD MEASUREMENTS FOR THIS SURVEY PERFORMED WITH A 1" LEICA TOTAL STATION USING TRAVERSE METHODS THAT MEET OR EXCEED ACCURACY REQUIREMENTS CONTAINED IN WAC 332.130.090.

THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IN ANY.

SNV–2526: FND 2" BRASS CAP STAMPED "COS 2526" AT THE INT BKCW IN THE SW COR OF INTX OF 52ND AVE S & RAINIER AVE S ELEV=46.06'

CP #1: FND MAG/"TRUE NORTH CONTROL" WASHER IN CW @ NW'LY COR INTX S BARTON PL/51ST AVE S/RAINIER AVE S – 18' STHLY CENTERLINE METAL LIGHT POLE #1327239 – 3.8' W'LY FACE CURB ELEV=50.89'

SC1
SURVEY CONTROL
RAINIER AVE S AND 51ST AVE S

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

P:\STDrafter\2015 Sidewalks SRTS Program\Trinh-CPRS\RAINIER AVE S\A_PLOT FILES\TS5003A-P-CTRL PLAN_RAINIER AVE S.dwg
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MARK H. KIMBOROWICZ
STATE OF WASHINGTON
38982
REGISTERED PROFESSIONAL LAND SURVEYOR

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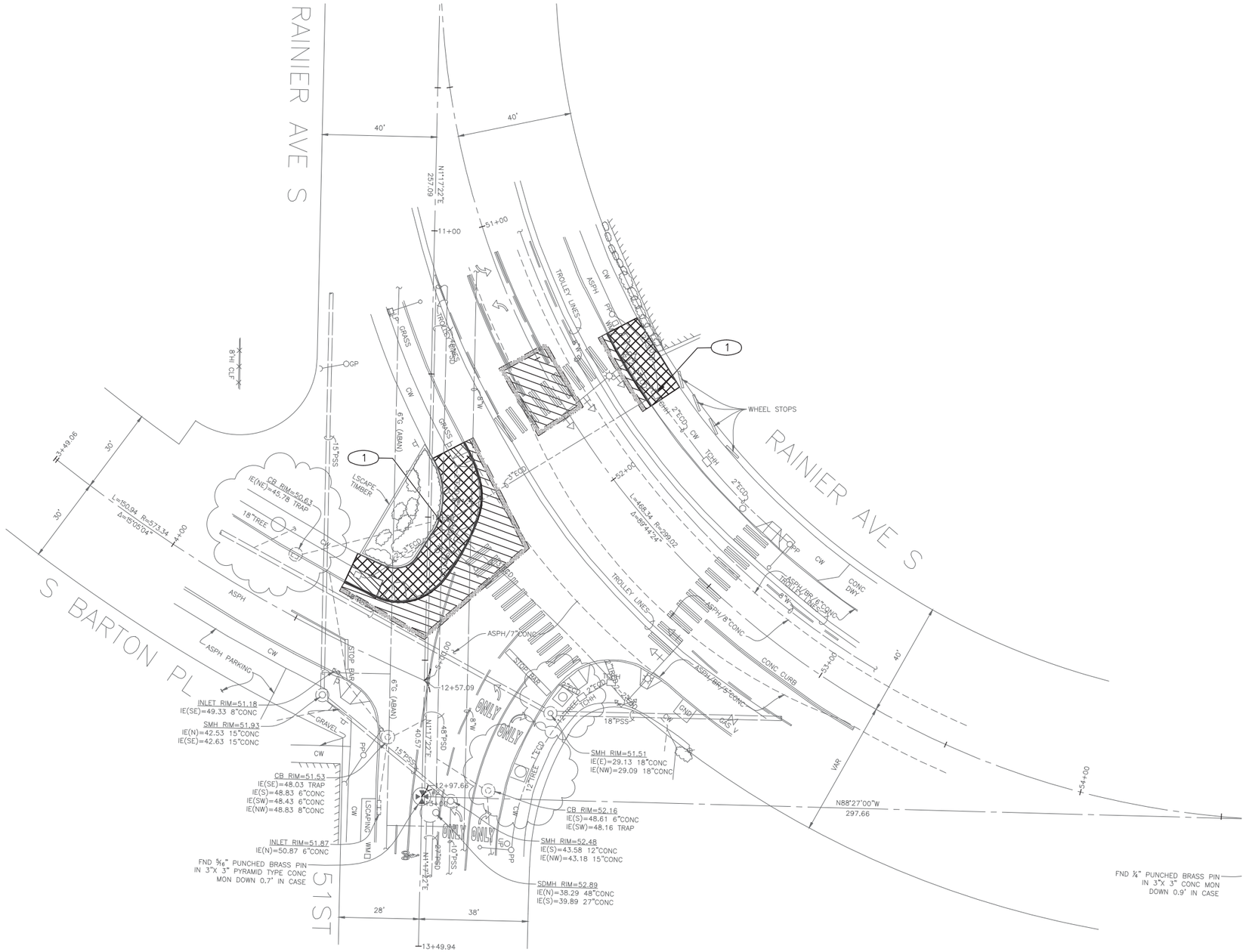
VAULT PLAN NO. XXX–YYY
SHEET 20 OF 42



LEGEND:

- REMOVE PAVEMENT
- REMOVE ASPHALT OVERLAY
- REMOVE SIDEWALK
- CLEAR AND GRUB, AND COMMON EX.
- REMOVE CURB
- SAWCUT FULL DEPTH
- SAWCUT ASPHALT PAVEMENT OVERLAY ONLY

SITE PREPARATION NOTES:

1. ADJUST PULL BOX TO GRADE

N

20 10 0 20 40

SCALE IN FEET

SP1

SITE PREPARATION PLAN

RAINIER AVE S AND 51ST AVE S

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. ABCDF

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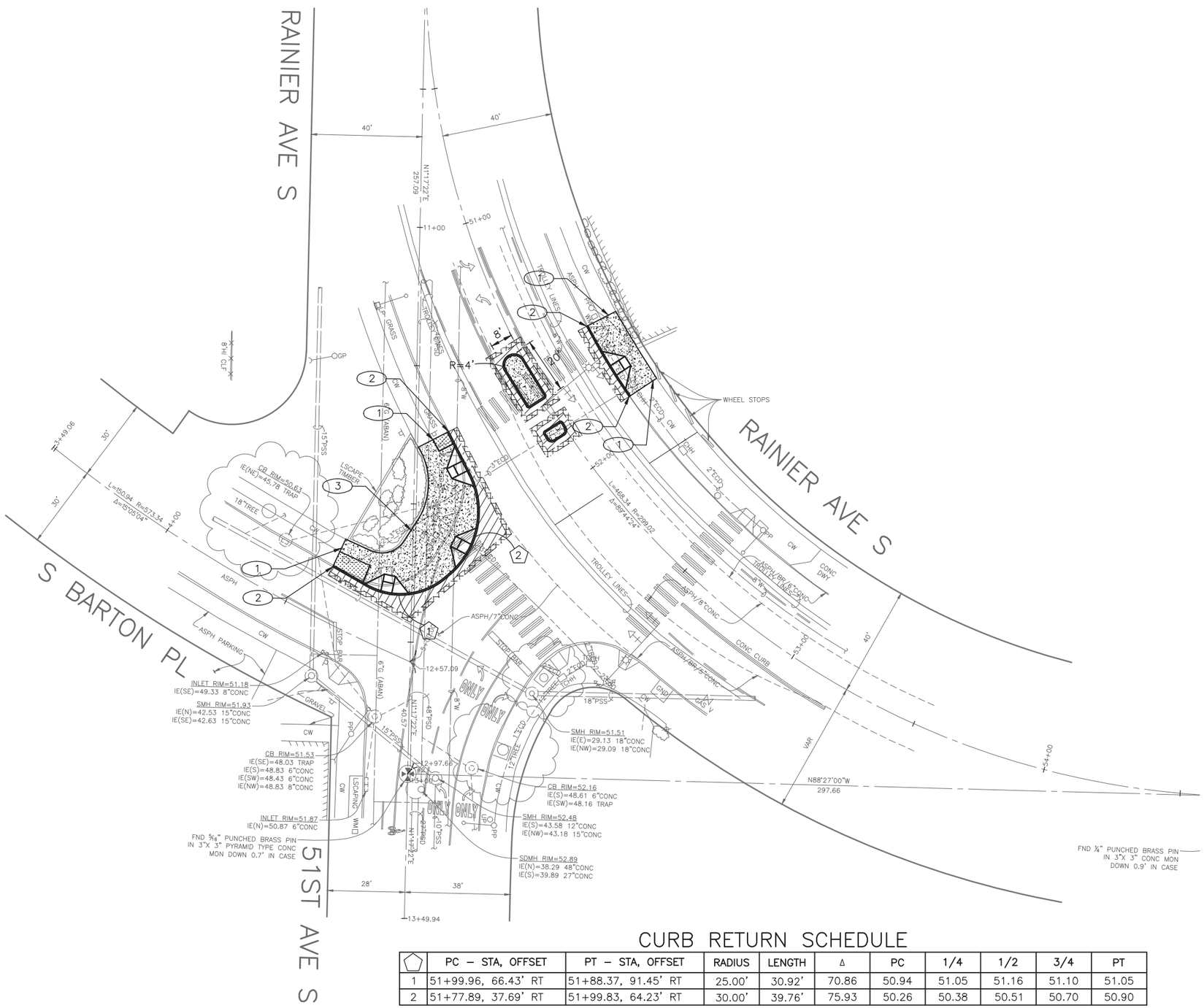
SHEET 21 OF 42



PAVING LEGEND

- PAVEMENT, 2" HMA CL ½", OVER 11" HMA CL 1", OVER 6" MNRL AGG TYPE 2
- CEM CONC SIDEWALK OR MEDIAN W/ 25% POZZOLANS, PER STD PLAN 420.
- GRASS. SOIL AMENDMENT PER STD PLAN 142
- PAVEMENT 2" HMA CL ½"
- CURB RAMP W/25% POZZOLANS AND DETECTABLE WARNING, PER STD PLAN 422A.
- CEM CONC CURB PER STD PLAN 410C (H=6").
- SAWCUT RIGID PAVEMENT, FULL DEPTH. SEE SECTION 2-02.3(3)C AND 2-02.3(6)A.
- SAWCUT ASPHALT OVERLAY ONLY

CONSTRUCTION NOTES

(1) MATCH EX BACK OF SIDEWALK LIMITS AT ROCKERY WALL

CURB RETURN SCHEDULE

⬠	PC – STA, OFFSET	PT – STA, OFFSET	RADIUS	LENGTH	Δ	PC	1/4	1/2	3/4	PT
1	51+99.96, 66.43' RT	51+88.37, 91.45' RT	25.00'	30.92'	70.86	50.94	51.05	51.16	51.10	51.05
2	51+77.89, 37.69' RT	51+99.83, 64.23' RT	30.00'	39.76'	75.93	50.26	50.38	50.51	50.70	50.90

N

20 10 0 20 40

SCALE IN FEET

PV1

GRADING PAVING AND DRAINAGE PLAN

RAINIER AVE S AND 51ST AVE S

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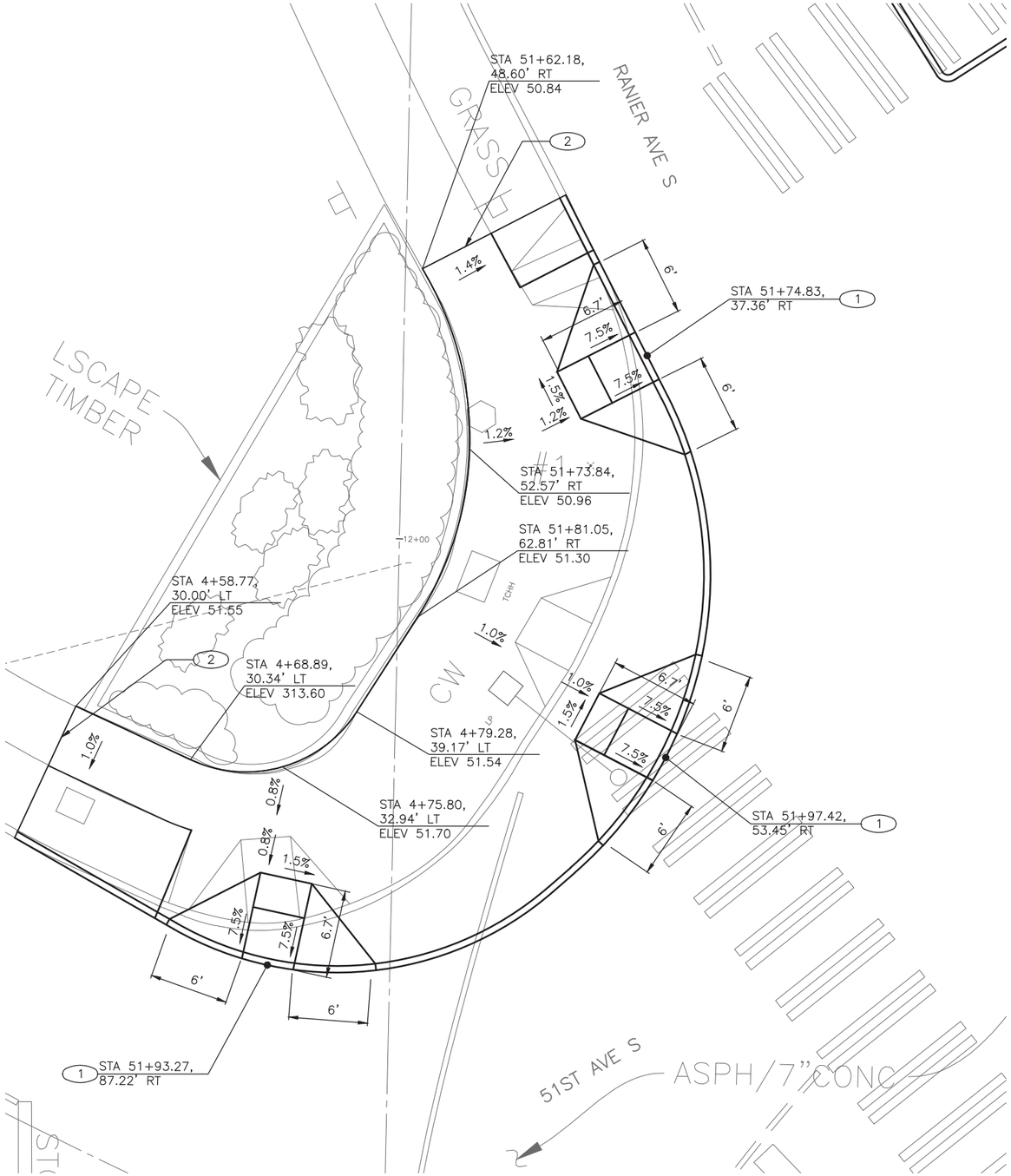
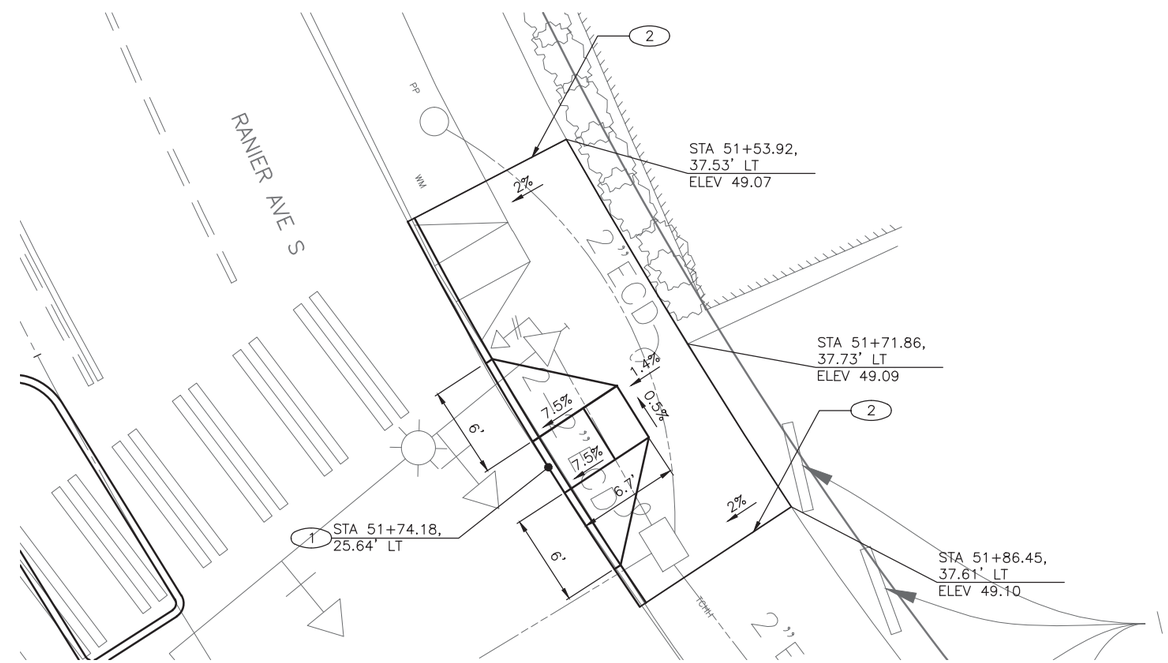
VAULT PLAN NO. XXX-YYY

SHEET 22 OF 42





CURB RAMP LEGEND

CURB RAMP (PER STANDARD PLAN 422A)

CONSTRUCTION NOTES

1. CURB RAMP W/ 25% POZZOLANS PER STD PLAN 422A OR NON-STANDARD
2. SAW CEM CONC SIDEWALK, FULL DEPTH, AT EX SCORE LINE

N

5 4 3 2 1 0 5 10
SCALE IN FEET

CR1
CURB RAMPS
RAINIER AVE S AND 51ST AVE S

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ABCDF						

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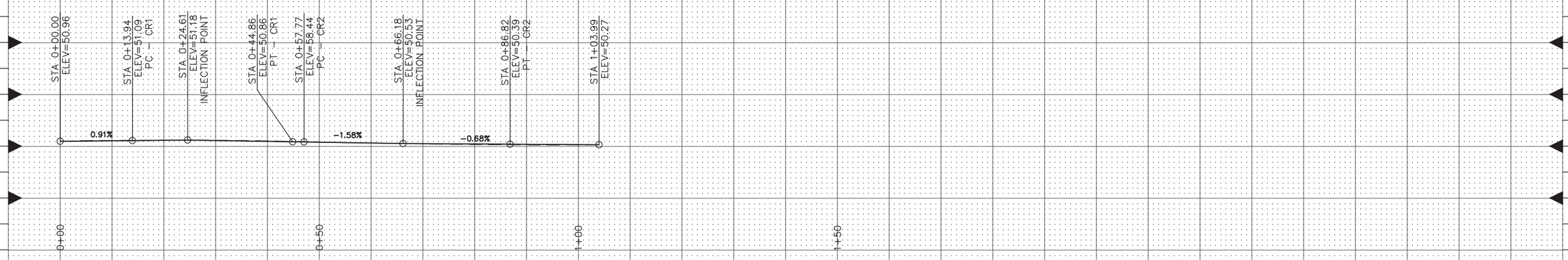
VAULT PLAN NO. XXX-YYY
SHEET 23 OF 42



CURB RETURN 1 AND 2 FLOWLINE PROFILE

PROFILE STATIONING IS ALONG THE CURB FACE AND IS NOT TIED TO THE PROJECT STATIONING. BEGIN PROFILE AT PROJECT STA 4+59.27, OFFSET 18.97' LT (BARTON PL) AND END PROFILE AT STA 51+62.66, OFFSET 36.37' RT (RANIER AVE S)

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ABCDF						

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10 5 0 10 20
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RP1
ROADWAY PROFILES
RAINIER AVE S AND 51ST AVE S

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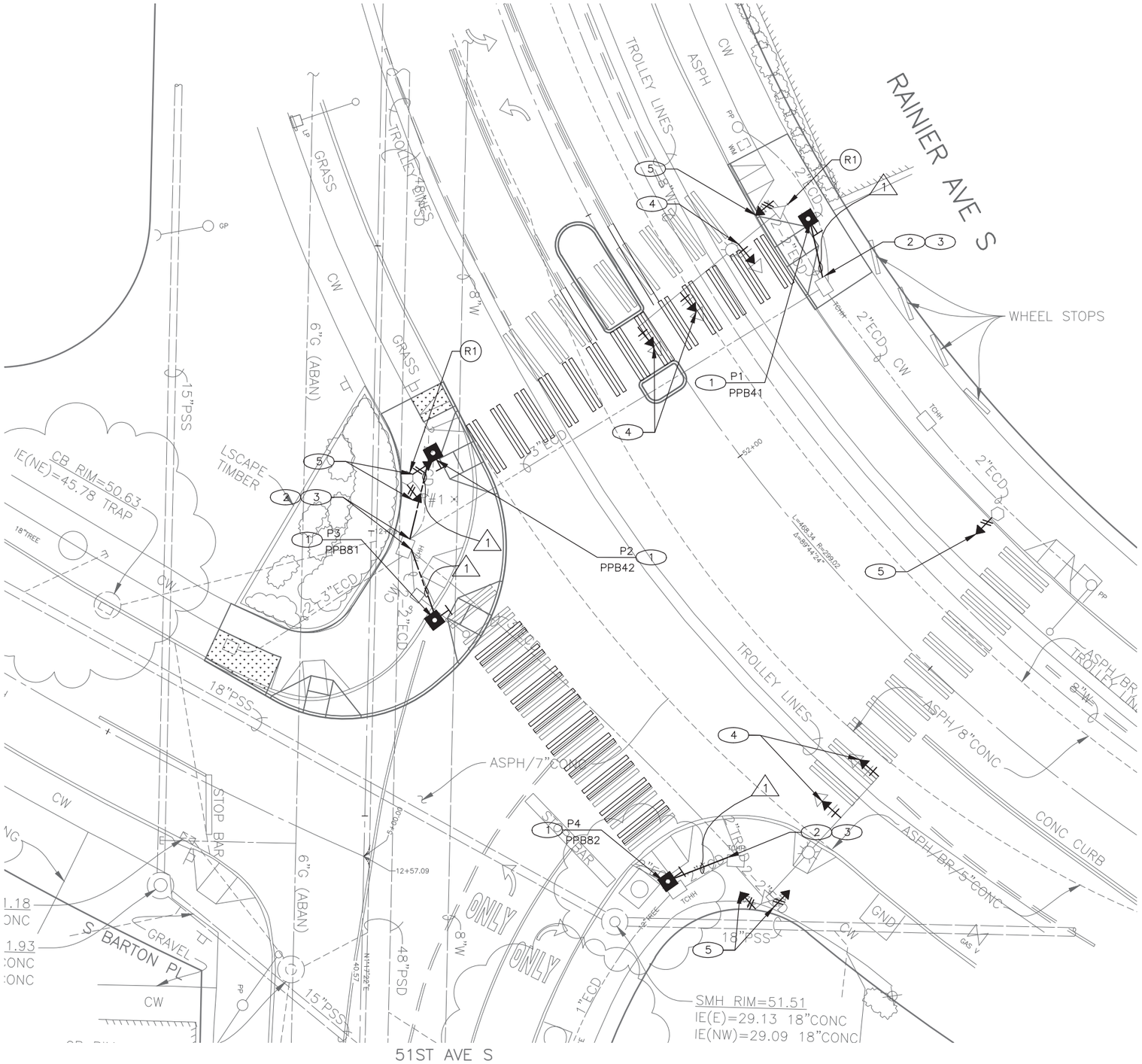

REMOVE/RELOCATE

(R1) REMOVE PEDESTRIAN PUSHBUTTON ASSEMBLY. PLUG HOLES.

CONSTRUCTION NOTES

(1) FURNISH AND INSTALL ONE PEDESTRIAN PUSHBUTTON POST AND FOUNDATION AND ONE PEDESTRIAN PUSHBUTTON ASSEMBLY PER CITY OF SEATTLE STANDARD PLANS 521 AND 522b.

(2) CONNECT NEW CONDUIT TO EXISTING HANDHOLE. RELOCATE HANDHOLE TO EDGE OF NEW SIDEWALK ALIGNMENT.

(3) USE THE EXISTING CONDUIT ROUTE TO CONTROLLER FOR NEW PEDESTRIAN CONDUCTORS.

(4) REMOVE EXISTING VEHICLE SIGNAL HEADS AND REPLACE WITH NEW VEHICLE SIGNAL HEADS WITH 12" HEAD

POLE/PEDESTAL SCHEDULE

POLE NO.	STATION/LOCATION AND OFFSET	POLE TYPE	LENGTH (FT)	FOUNDATION TYPE	MAST ARM LENGTH (FT)	LUMINAIRE ARM LENGTH (FT)	LUMINAIRE WATTAGE	LUMINAIRE MOUNTING HEIGHT (FT)	# OF CABLE OUTLETS	LOCATION OF OUTLETS	CITY LIGHT POLE #
1	XX+XX.XX, RT XX.X'	PPB POST	4.5	PEDESTAL	–	–	–	–	–	–	–
2	XX+XX.XX, RT XX.X'	PPB POST	4.5	PEDESTAL	–	–	–	–	–	–	–
3	XX+XX.XX, RT XX.X'	PPB POST	4.5	PEDESTAL	–	–	–	–	–	–	–
4	XX+XX.XX, RT XX.X'	PPB POST	4.5	PEDESTAL	–	–	–	–	–	–	–

NORTH = 0° AZIMUTH

WIRING SCHEDULE

RUN NO	SPAN OR CONDUIT SIZE	VEHICLE HEADS	PED HEADS	PPB'S 1PR(SH)	STREET LIGHT	PRE–EMPT	SIGNAL SERVICE	GROUND	COMMENTS
1	1–1"TRCD	–	–	1	– –	– –	– –	– –	–

2–5C –MULTI–CONDUCTOR CABLE
└─NO. OF CONDUCTORS
└─NO. OF CABLES

(PPB) PUSH BUTTON MOUNTING SCHEDULE

PPB NO.	POLE NO.	LOCATION (AZIMUTH)	PHASE	ARROW DIRECTION
41	P1	205	4	LEFT
42	P2	205	4	RIGHT
81	P3	306	8	LEFT
82	P4	306	8	RIGHT

NORTH = 0° AZIMUTH

N

10 5 0 10 20
SCALE IN FEET

SG1
SIGNALS
RAINIER AVE S AND 51ST AVE S

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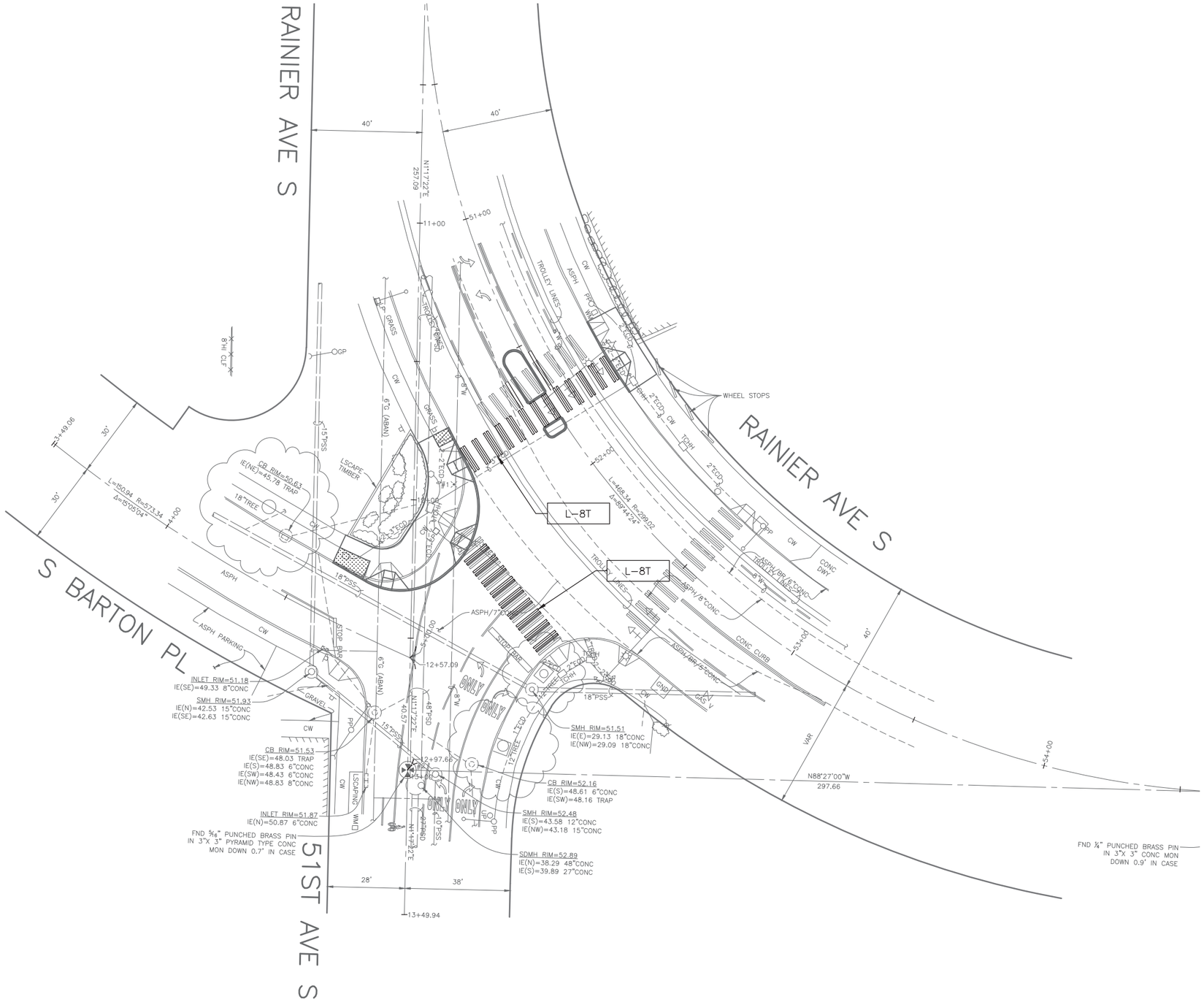

CONSTRUCTION NOTES

(1) RELOCATE EX SIGN (PER COS STD PLAN NO. 620/621).

CHANNELIZATION LEGEND

L-8AT THERMOPLASTIC 16" STOPLINE.

INSTALL

SIGNAGE LEGEND

—OHP—

MAILBOX

SIGN

N

20 10 0 20 40

SCALE IN FEET

CH1

CHANNELIZATION AND SIGNING

RAINIER AVE S AND 51ST AVE S

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ABCDF						

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VAULT PLAN NO. XXX-YYY

SHEET 26 OF 42