THE CITY OF TACOMA

PUBLIC WORKS DEPARTMENT
SPECIFICATION NO. PW
May 2023

S. YAKIMA SIDEWALK

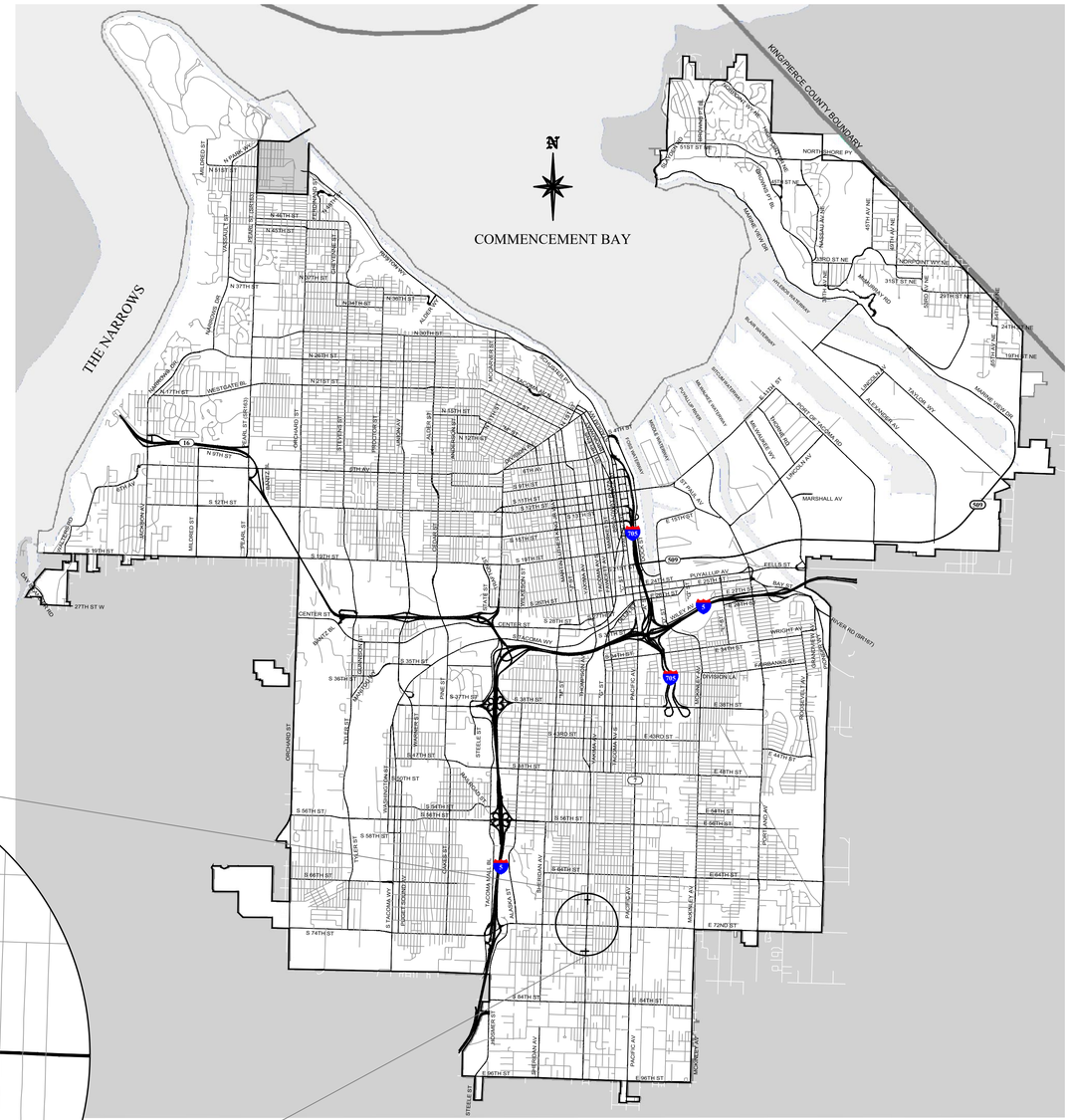
S. YAKIMA AVE.

FROM S. 70TH ST. TO S. 67TH ST.
PWK-G0055-01-01

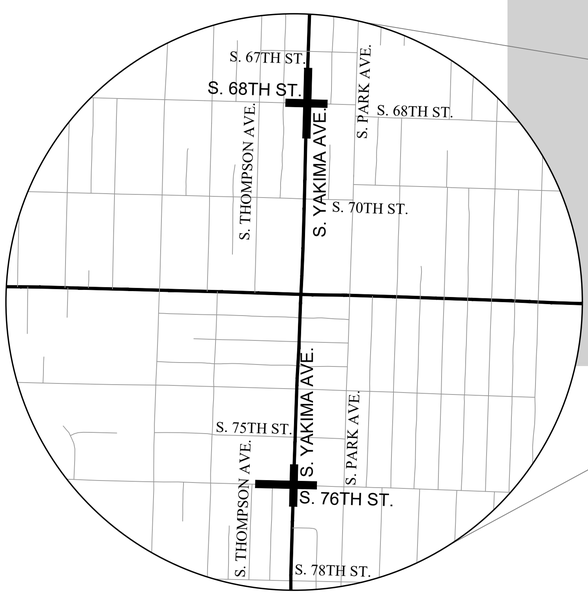
BIRNEY ELEMENTARY SRTS IMPROVEMENTS

S. 76TH ST.

FROM S. THOMPSON AVE. TO S. PARK AVE.
PWK-00802-04-01



VICINITY MAP
NOT TO SCALE



LOCATIONS:
S. YAKIMA AVE. - FROM S. 70TH ST. TO S. 67TH ST.
S. 76TH ST. - FROM S. THOMPSON AVE. TO S. PARK AVE.

INDEX OF DRAWINGS

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RS-1	4	ROAD SECTIONS
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RP-1 - RP-2	9-10	ADA RAMP DETAILS
CH-1 - CH-2	11-12	CHANNELIZATION PLAN
SG-1 - SG-2	13-14	SIGNAL PLAN
TC-1 - TC-2	15-16	TRAFFIC CONTROL PLAN

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-COVER.dwg, 5/16/2023 12:10:46 PM, Obautsta

SURVEY SYMBOLS

CITY OF TACOMA DATUM:

DATUM

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM/M.I.C.
INTERSECTION OF
STREETNAME
& STREETNAME
ELEV. = XXX.XX

CITY OF TACOMA

EXISTING	DESCRIPTION
	NORTH ARROW
	MONUMENT FOUND
	PK NAIL
	CALCULATED MONUMENT
	NEW MONUMENT

REFERENCE LINETYPES

LINETYPE	DESCRIPTION
	CENTER LINE
	EASEMENT LINE
	VACATE LINE
	EX MON LINE
	NEW MON LINE
	PROPERTY LINE
	RIGHT OF WAY
	TEMPORARY CONSTRUCTION PERMIT LINE

MISCELLANEOUS UTILITY LINETYPES

EXISTING	DESCRIPTION
	CONDUIT
TV	CABLE TV
FO	FIBER OPTIC
G	GAS
P	POWER, OVERHEAD
UG-P UG-P UG-P	POWER, UNDERGROUND
LHT	STREET LIGHTING
T	TELEPHONE
TS	TRAFFIC SIGNAL CONDUIT
TSFO	TRAFFIC SIGNAL CONDUIT, FIBER OPTIC
W	WATER

MISCELLANEOUS SYMBOLS

EXISTING	REMOVE	NEW	DESCRIPTION
			BOLLARD
			MAIL BOX
			MAIL BOX USPS DROP BOX
MW		MW	MONITORING WELL
			ROCKS
			STREET SIGN
			STREET NAME SIGN
			SOIL BORING
			PILING

SEWER SYMBOLS

EXISTING	REMOVE	NEW	DESCRIPTION
			AREA DRAIN
			CLEAN OUT
			MANHOLE, STORM & SANITARY
			CATCH BASIN TYPE 1, 2 & BB
			CULVERT
			RIP RAP

STORM & SANITARY SEWER UTILITY LINETYPES

EXISTING	ABANDON	REMOVE	NEW	DESCRIPTION
12"S	S	S	21 LF 10"Ø PVC SANITARY	SANITARY SEWER
				STORM CULVERT
8"D	D	D	9 LF 8"Ø PVC STORM	STORM SEWER CATCH BASIN LEAD
12"D	D	D	21 LF 10"Ø PVC STORM	STORM SEWER MAIN

FEATURE LINETYPES

EXISTING	REMOVE	NEW	DESCRIPTION
	REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	BUILDING
			CURB & GUTTER
			ASPHALT WEDGE CURB
	C&G		CLEARING & GRUBBING
TOP OF 2:1 FILL SLOPE; 2:1 (H:V); 2:1; TOP OF 2:1 CUT SLOPE			CUT / FILL 2:1
			DAYLIGHT LINE, NEW SLOPE LINE
			DRAINAGE DITCH
			FENCE, CHAIN LINK
			FENCE, SILT
			FENCE, WOOD
			FENCE, IRON
			GUARD RAIL, LEFT
			GUARD RAIL, CENTER
			GUARD RAIL, RIGHT
			HEDGE LINE, BRUSH LINE, VEGETATION
			RAILROAD
			WALL
			WALL, CONCRETE MASONRY UNIT
			WALL, ROCK

WATER SYMBOLS

EXISTING	DESCRIPTION
	BLOW OFF
	FIRE HYDRANT
	MANHOLE, WATER
	WATER METER

OTHER UTILITY SYMBOLS

EXISTING	DESCRIPTION
	GATE VALVE
	MANHOLE, OTHER
	IRRIGATION CONTROL VALVE BOX
	SPRINKLER HEAD
	PUMP STATION

NOTE BUBBLES

#	DEMOLITION NOTE
#	CONSTRUCTION NOTE
#	CHANNELIZATION NOTE
A	SIGNAGE NOTE
#	SIGNAL POLE CONSTRUCTION NOTE
#	WIRE NOTE
#	REVISION NOTE

TRAFFIC SIGNAL INTERCONNECT AND POWER SYMBOLS

EXIST.	PROP.	DESCRIPTION
	#	CONSTRUCTION NOTE
	#	SIGNAL POLE CONSTRUCTION NOTE
	#	WIRE NOTE
	A	SIGNAGE NOTE
		TYPE PPB POST W/PUSHBUTTON(S)
		PEDESTRIAN PUSHBUTTON
		TYPE 1 SIGNAL POLE
		TYPE 1 JUNCTION BOX
		PULL BOX
		TYPE 2 JUNCTION BOX
		CONTROLLER CABINET
		SERVICE PEDESTAL
		VEHICLE SIGNAL HEAD
		VEHICLE SIGNAL HEAD (WITH BACKPLATE)
		PEDESTRIAN SIGNAL HEAD
		EMERGENCY PREEMPTION DETECTOR
		SIGNAL POLE WITH MAST ARM
		VIDEO DETECTION CAMERA
		MAST ARM MOUNTED SIGN
		STREET LIGHT, ON FOUNDATION STREET LIGHT, ON METAL POLE
		UTILITY POLE WITH LIGHT
		UTILITY POLE/ POWER POLE
		STLIGHT ON WOOD POLE
		ORNAMENTAL POSTTOP
		YARD LIGHT
		FLOODLIGHT
		EV INDICATOR LIGHTS
		CIRCLE DETECTOR 6'
		SQUARE DETECTOR 6X6
		DIAMOND DETECTOR 6X8
		GUY, ANCHOR
		GUY, POLE
EX. VAULT		VAULT, CORNERS SURVEYED
	P	VAULT, POWER, UNDERGROUND
		JUNCTION BOX, TELEPHONE
		PEDESTAL, CABLE
	T	PEDESTAL, TELEPHONE
	T	VAULT, TELEPHONE

ABBREVIATIONS

℄	CENTERLINE
℞	PROPERTY LINE
ADA	AMERICAN DISABILITY ACT
AP	ANGLE POINT
APPROX	APPROXIMATELY
ASPH	ASPHALT
CG	CURB AND GUTTER
CB	CATCH BASIN
CF	CUBIC FEET
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONST	CONSTRUCT
COT	CITY OF TACOMA
CSTC	CRUSHED SURFACING TOP COURSE
CSBC	CRUSHED SURFACING BASE COURSE
CY	CUBIC YARDS
DEPT	DEPARTMENT
DI	DUCTILE IRON
DWG	DRAWING
DWY	DRIVEWAY
E	EAST
EA	EACH
EL	ELEVATION
ENG	ENGINEER
ER	END OF RADIUS
EX	EXISTING
FF	FINISH FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FT	FOOT OR FEET
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GG	GUTTER GRADE
HMA	HOT MIX ASPHALT
H	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HWY	HIGHWAY
IE	INVERT ELEVATION
INT	INTERSECTION
JT	JOINT
LF	LINEAR FEET
LP	LIGHT POLE
LHT	LIGHTING
LT	LEFT
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MP	MIDPOINT
MSE	MECHANICALLY STABILIZED EARTH
MW	MONITORING WELL
N	NORTH
NTS	NOT TO SCALE
OC	ON CENTER
OFF	OFFSET
OVL	OVERLAY
PC	POINT OF CURVATURE
PED	PEDESTRIAN
PG	PERFORMANCE GRADE
POB	POINT OF BEGINNING
PPB	PEDESTRIAN PUSHBUTTON
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVC PIPE	POLYVINYL CHLORIDE PIPE
R	RADIUS
RIM	RIM ELEVATION
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SAN	SANITARY SEWER
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SQ	SQUARE
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STM	STORM SEWER
TBC	TOP BACK OF CURB
TEMP	TEMPORARY
TFC	TOP FACE OF CURB
TS	TOP OF SLOPE
TW	TOP OF WALL
TYP	TYPICAL
V	VERTICAL
W	WEST
W/O	WITHOUT
WSDOT	WASHINGTON STATE DEPT. OF TRANSPORTATION

PAVEMENT AND ROAD SURFACE TYPES

EXISTING	REMOVE	NEW	DESCRIPTION
		* **	* ASPHALT RDWAY ** PERVIOUS, POROUS ASPHALT RDWAY
			ASPHALT OVER CONCRETE
			ASPHALT GRIND & OVERLAY
			2" HMA OVER 2" CSTC
			ADA ACCESS RAMP/ DRIVEWAY
EX. CONC. WALK			CEMENT CONC. SIDEWALK
		* **	* CEMENT CONC. RDWAY ** PERVIOUS, POROUS CEMENT CONC. RDWAY
			2" CSTC

REFER TO EXISTING AND NEW CROSS SECTIONS FOR ROADWAY PAVEMENT SECTIONS

SHRUBS & TREES

EXIST.	REMOVE	DESCRIPTION
		SHRUB
		CLASS 0 - TREE UNDER 4" DIAMETER
I	I	CLASS 1 - 4" TO 12" DIAMETER TREE
II	II	CLASS 2 - 12" TO 24" DIAMETER TREE
III	III	CLASS 3 - 24" TO 42" DIAMETER TREE
IV	IV	CLASS 4 - OVER 42" DIAMETER TREE
V	V	CLASS 5 - OVER 42" DIAMETER TREE, UNDER 30' TALL

REFER TO LANDSCAPE PLAN FOR NEW TREES AND SHRUBS

CALL BEFORE YOU DIG

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

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

Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	N.T.S.
DESIGNED AM	CHECKED DCS
DRAWN ODB	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-SYMBL.DWG	

BRIAN WANG, STATE OF WASHINGTON, 57137, REGISTERED PROFESSIONAL ENGINEER — 5/17/2023

DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

SYMBOL SHEET
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 2
PAGE SY-1 OF SY-1

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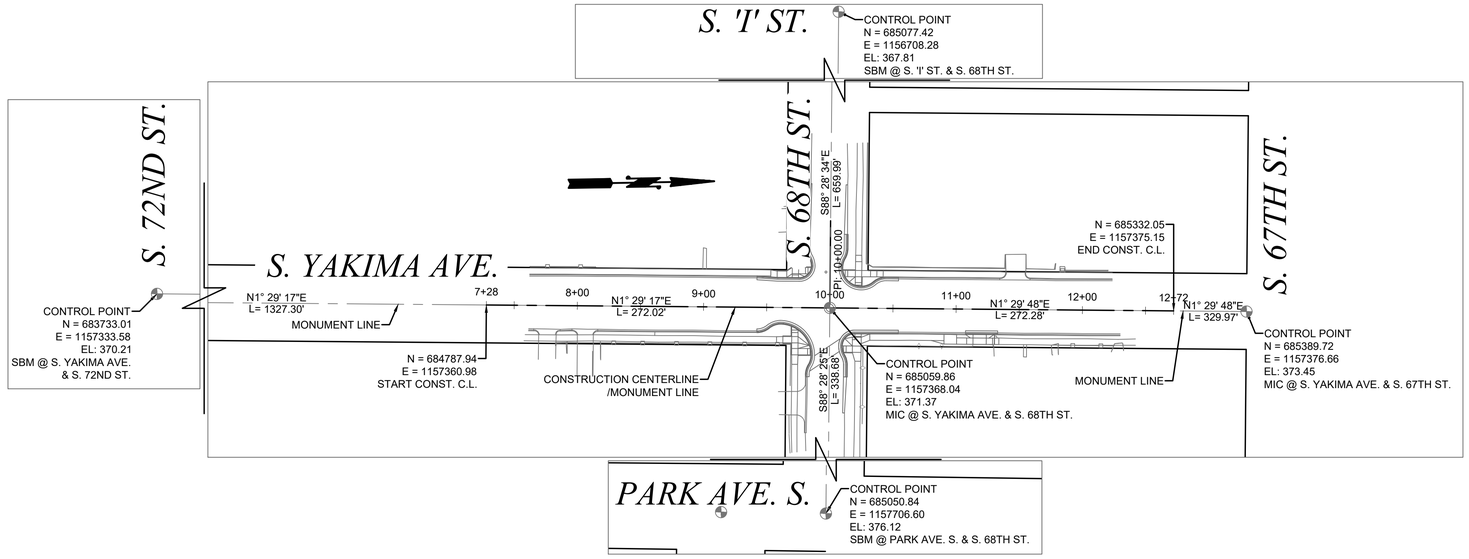
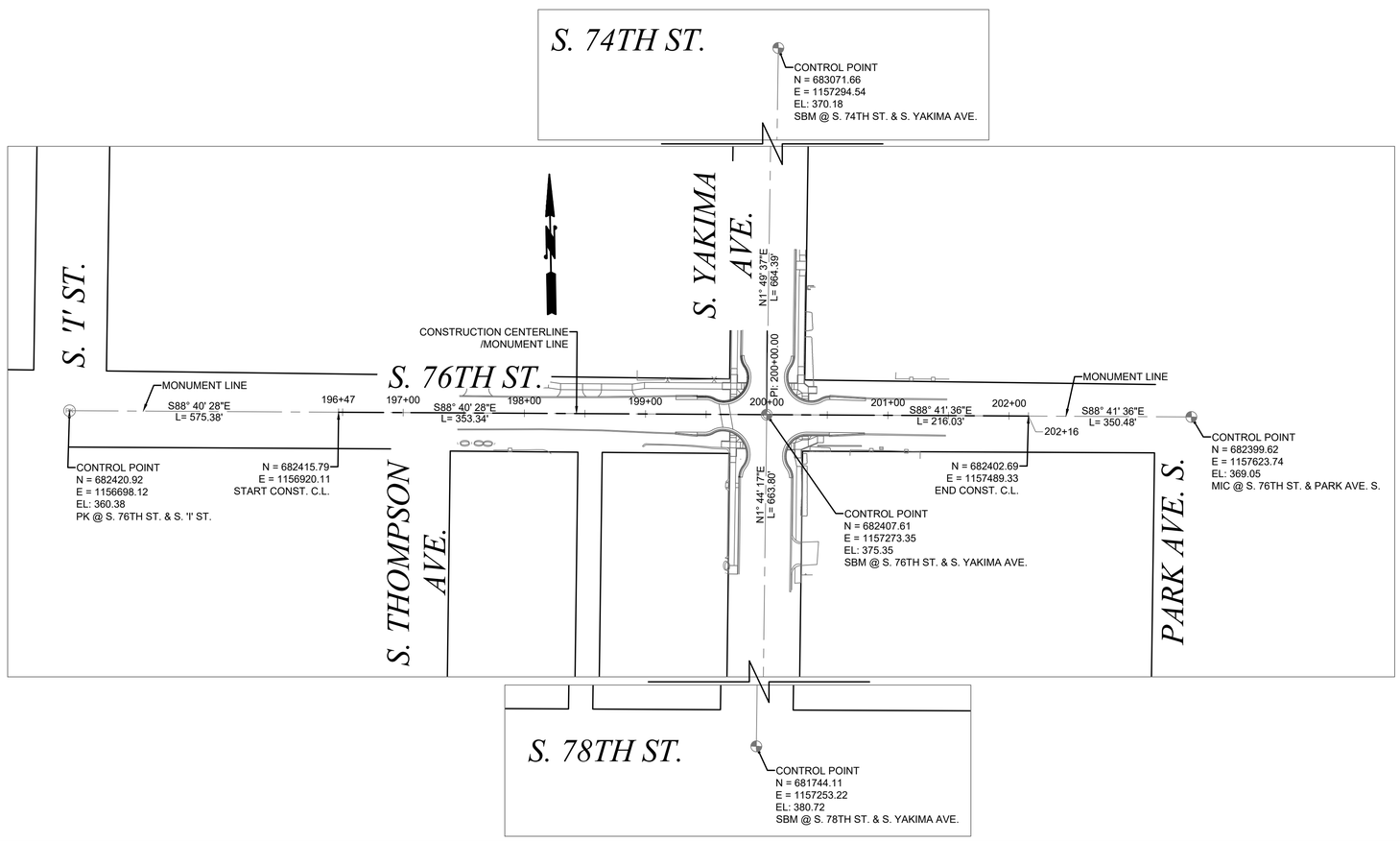


LEGEND

- MIC - MONUMENT IN CASE
  SBM - SURFACE BRASS MONUMENT
  SSM - SUBSURFACE MONUMENT
- PK NAIL
  MAG - MAG NAIL



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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE MAY 2023	SCALE 1" = 60'	
BY	DESIGNED AM	CHECKED GCA	
DATE	DRAWN ODB	PROJECT NAME PWK-G0055	
FIELD BOOKS	DRAWING NAME G0055-SYAKIMA-HCNTRL.DWG		

DocuSigned by: Gary Allen
STATE OF WASHINGTON 53146148 REGISTERED PROFESSIONAL LAND SURVEYOR
05/18/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
6388720BB0F4483...

HORIZONTAL CONTROL

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 3
SHEET HC-1 OF HC-1

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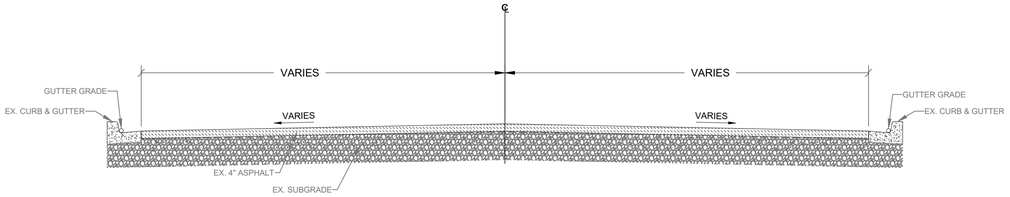
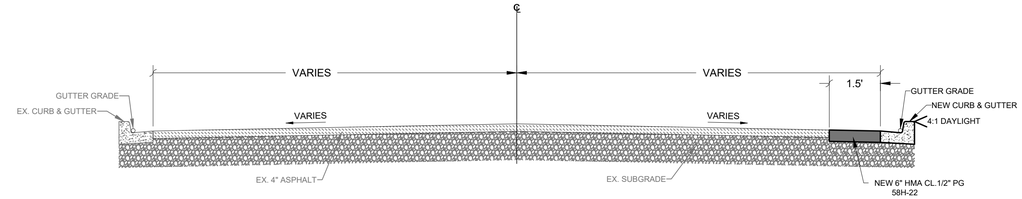


EXISTING CROSS SECTION

N.T.S.

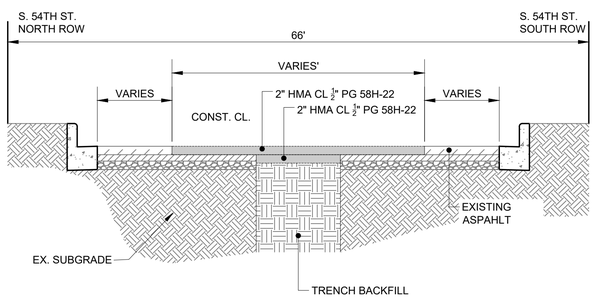
S. YAKIMA AVE.
STA: 9+42 - 9+82
STA: 10+13 - 10+53
S. 76TH ST.
STA: 199+59 - 199+79
STA: 200+22 - 200+42



PROPOSED CROSS SECTION

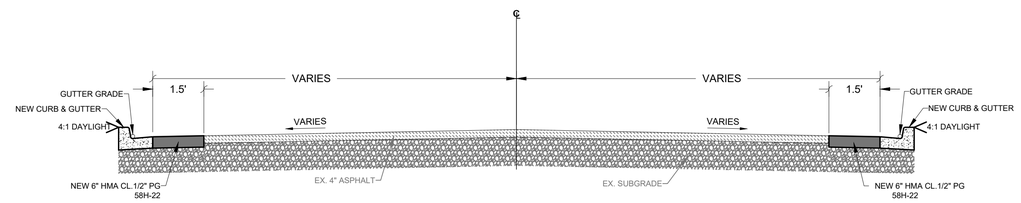
N.T.S.

S. YAKIMA AVE.
STA: 9+42 - 9+53



TYPICAL TRENCH PATCH DETAIL

S. 54TH ST./ RAILROAD ST.
N.T.S.



PROPOSED CROSS SECTION

N.T.S.

S. YAKIMA AVE.
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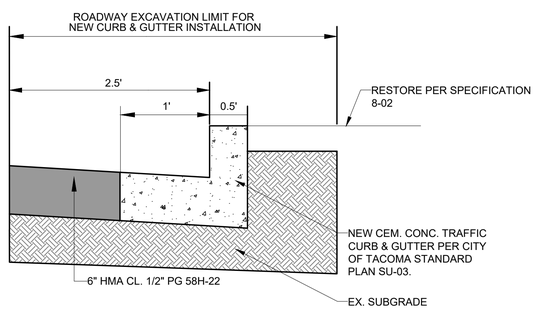
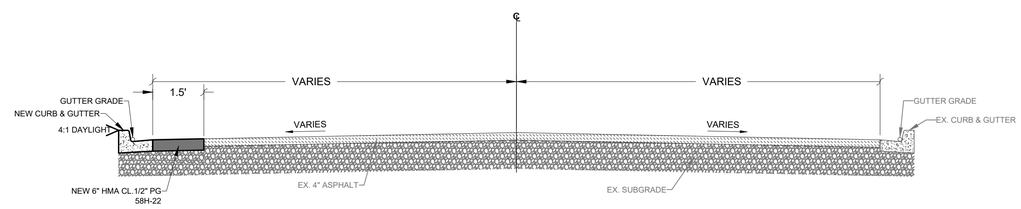
STA: 10+13 - 10+40
S. 76TH ST.
STA: 199+58 - 199+89
STA: 200+11 - 200+46



TYPICAL ROADWAY EXCAVATION FOR NEW CURB & GUTTER INSTALLATION

RESIDENTIAL STREETS
N.T.S.



PROPOSED CROSS SECTION

N.T.S.

S. YAKIMA AVE.
STA: 10+40 - 10+53

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	N.T.S.
DESIGNED	CHECKED
AM	DCS
DRAWN	PROJECT NAME
ODB	PWK-G0055
DRAWING NAME	
G0055-SYAKIMA-XSEC.DWG	

BRUCE A. MCKINLEY STATE OF WASHINGTON 15246 REGISTERED PROFESSIONAL ENGINEER
BRYAN K. WAY STATE OF WASHINGTON 37137 REGISTERED PROFESSIONAL ENGINEER
2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by:
Chris Larson
02887DCBBCFF4F8...
ENGINEERING DIVISION MANAGER

ROADWAY CROSS SECTIONS
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 4
SHEET RS-1 OF RS-1

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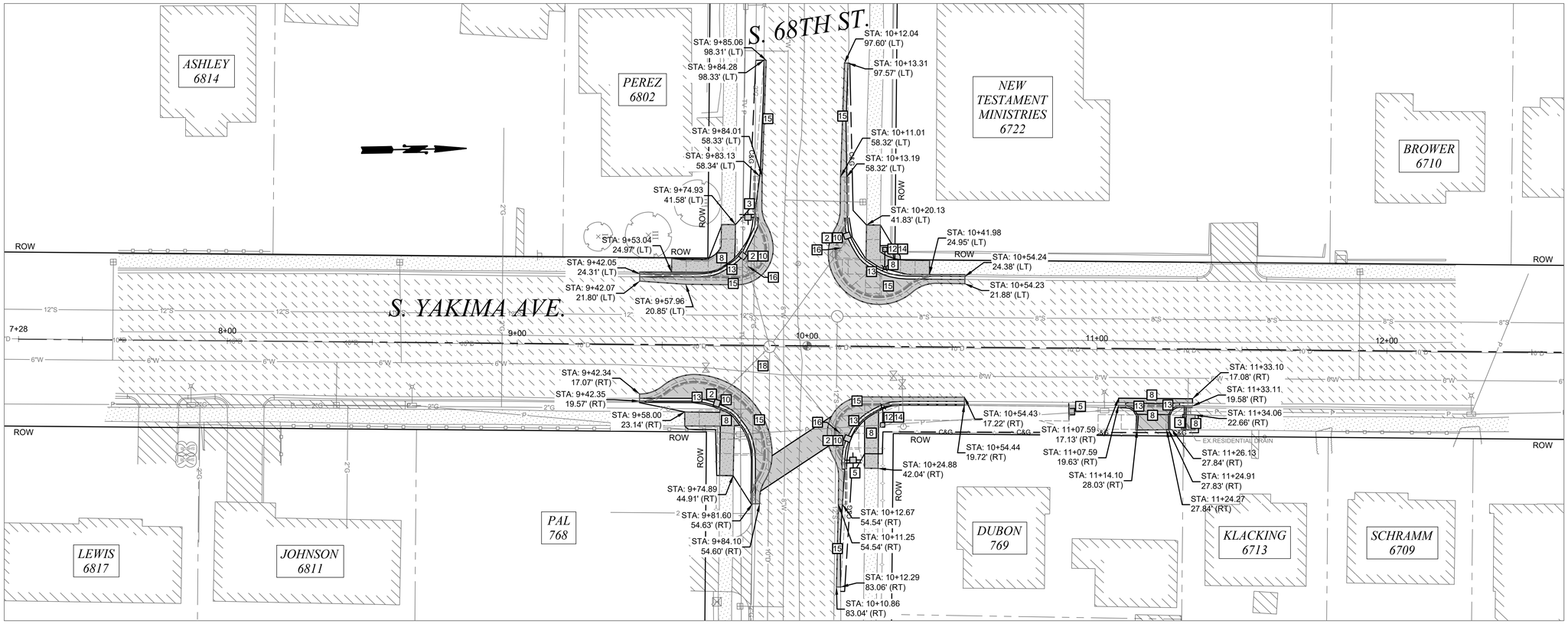

DEMOLITION NOTES

1. REMOVE BRASS POURED MONUMENT
2. PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
3. TO BE REMOVED
4. TO BE ADJUSTED BY OTHERS
5. TO BE RELOCATED BY OTHERS
6. ADJUST TO GRADE PER SPECIFICATION 7-05
7. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
8. REMOVE PAVEMENT PER SPECIFICATION 2-14
9. PLANE 2 INCH EXISTING ASPHALT AT GUTTER AND ZERO OUT PLANE AT 7 FT. FROM EDGE OF GUTTER PER SPECIFICATION 5-04.
10. REMOVE CATC BASIN
11. REMOVE MANHOLE
12. REMOVE POLE AND FOUNDATION
13. REMOVE CURB
14. REMOVE CONCRETE
15. REMOVE A4
16. REMOVE PIPE
17. REMOVE EXISTING CROSSWALK SIGNAGE, BEACON, AND POST. SIGNS SHALL BE RETURNED TO CITY OF TACOM'S STREET OPERATIONS.
18. PLUG AND ABANDON WITH CDF PER SPECIFICATION 7-08

GENERAL NOTES:

1. ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.

2. ADJUSTING STRUCTURES SUCH AS MANHOLES AND VALVE CHAMBERS SHALL BE DONE PER C.O.T. STANDARD DETAIL SU-25 AND SU-37.

3. WHEN REMOVING AN APPROACH THE LIMITS SHALL BE FROM THE EDGE OF THE APPROACH TO A MINIMUM OF 2' BEHIND THE NEW EDGE OF PAVEMENT.

UTILITY NOTE:

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

DATUM

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. YAKIMA AVE. AND S. 68TH ST.
ELEVATION = 371.370

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	1" = 20'
DESIGNED AM	CHECKED DCS
DRAWN ODB	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-DEMO.DWG	

DocuSigned by:
05/20/2023

DocuSigned by:
Chris Larson
ENGINEERING DIVISION MANAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DEMOLITION PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 5
SHEET D-1 OF D-1

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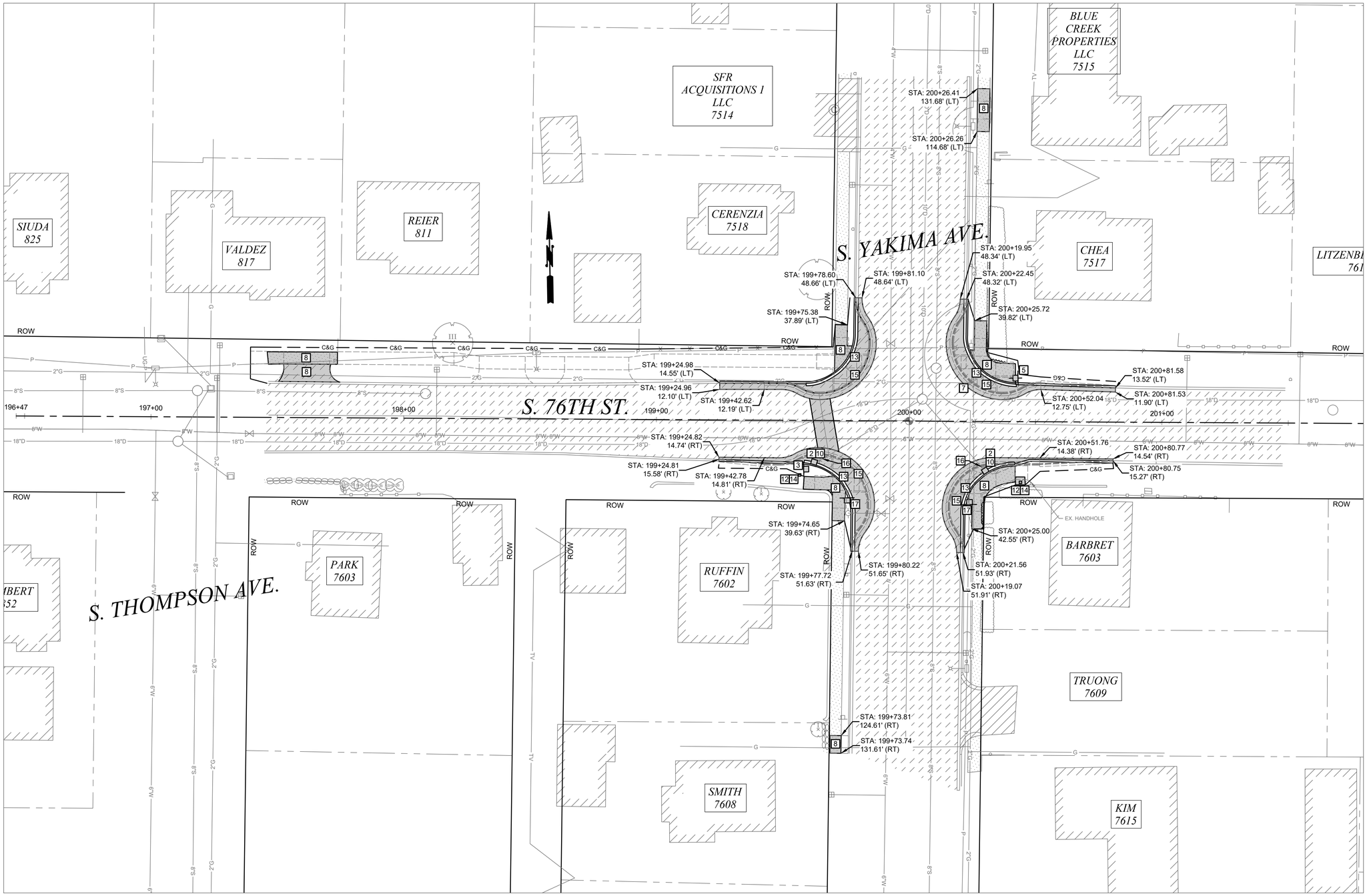

DEMOLITION NOTES

1. REMOVE BRASS POURED MONUMENT
2. PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
3. TO BE REMOVED
4. TO BE ADJUSTED BY OTHERS
5. TO BE RELOCATED BY OTHERS
6. ADJUST TO GRADE PER SPECIFICATION 7-05
7. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
8. REMOVE PAVEMENT PER SPECIFICATION 2-14
9. PLANE 2 INCH EXISTING ASPHALT AT GUTTER AND ZERO OUT PLANE AT 7 FT. FROM EDGE OF GUTTER PER SPECIFICATION 5-04.
10. REMOVE CATC BASIN
11. REMOVE MANHOLE
12. REMOVE POLE AND FOUNDATION
13. REMOVE CURB
14. REMOVE CONCRETE
15. REMOVE A4
16. REMOVE PIPE
17. REMOVE EXISTING CROSSWALK SIGNAGE, BEACON, AND POST. SIGNS SHALL BE RETURNED TO CITY OF TACOMA'S STREET OPERATIONS.
18. PLUG AND ABANDON WITH CDF PER SPECIFICATION 7-08

GENERAL NOTES:

1. ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.

2. ADJUSTING STRUCTURES SUCH AS MANHOLES AND VALVE CHAMBERS SHALL BE DONE PER C.O.T. STANDARD DETAIL SU-25 AND SU-37.

3. WHEN REMOVING AN APPROACH THE LIMITS SHALL BE FROM THE EDGE OF THE APPROACH TO A MINIMUM OF 2' BEHIND THE NEW EDGE OF PAVEMENT.

UTILITY NOTE:

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HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. YAKIMA AVE. AND S. 68TH ST.
ELEVATION = 371.370

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	1" = 20'
DESIGNED	CHECKED
AM	DCS
DRAWN	PROJECT NAME
ODB	PWK-G0055
DRAWING NAME	
G0055-SYAKIMA-DEMO.DWG	

DocuSigned by: Brian Wang
BRIAN WANG, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 37137
5/16/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

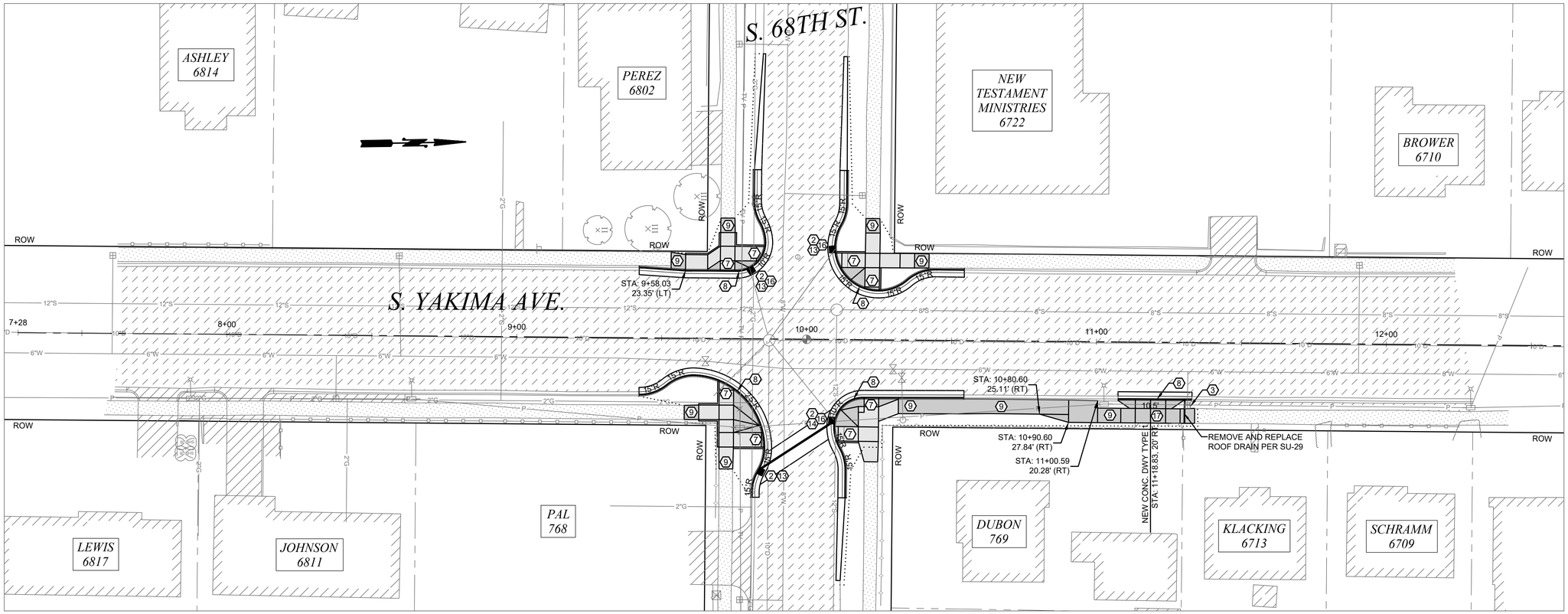
DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

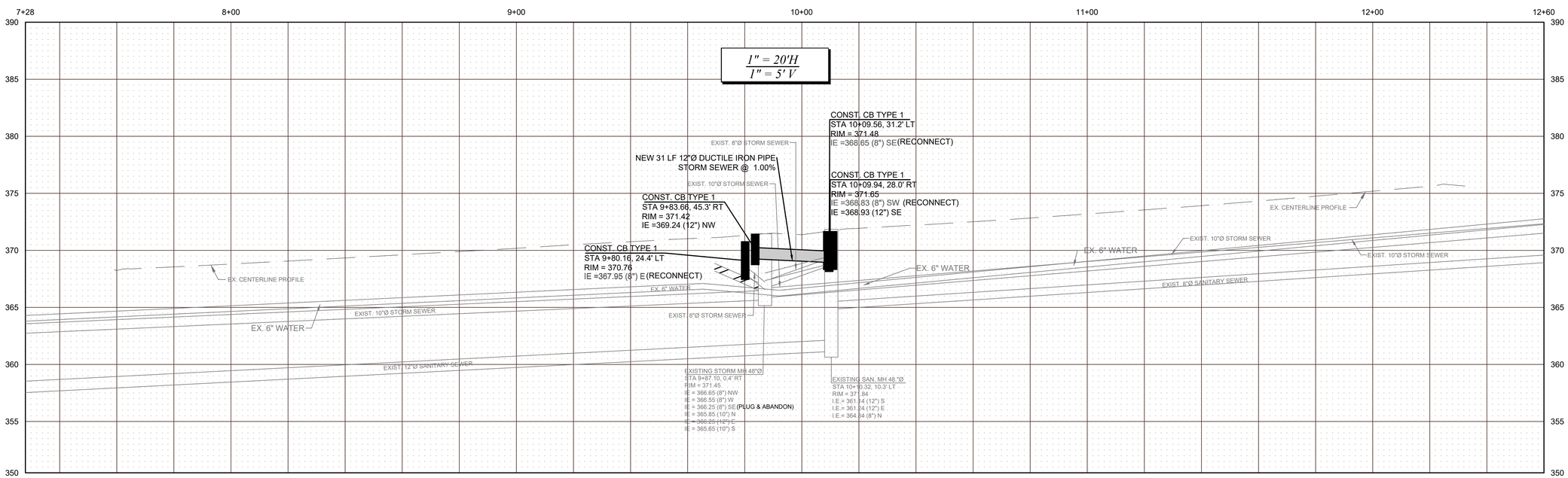
DEMOLITION PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 6
SHEET D-2 OF D-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-DEMO.dwg, 5/16/2023 12:18:33 PM, OBautista





CONSTRUCTION NOTES

1. CONSTRUCT BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
2. PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
3. TO BE ADJUSTED BY OTHERS
4. TO BE RELOCATED BY OTHERS
5. ADJUST TO GRADE PER SPECIFICATION 7-05
6. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
7. CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES
8. CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03
9. CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
10. GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL ½ INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE
11. CONSTRUCT HMA CL__" PG 58H-22 PAVEMENT PER CITY OF TACOMA STANDARD PLAN SU-15A. REFER TO CROSS SECTION FOR MATERIAL AND DEPTHS.
12. GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE
13. CONSTRUCT TYPE 1 CATCH BASIN PER WSDOT STANDARD PLAN B5.20-02
14. CONSTRUCT TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B10.20-02
15. CONSTRUCT 48" DIAMETER MANHOLE TYPE AS SHOWN IN PLANS PER CITY OF TACOMA STANDARD PLANS SU-17 & SU-21
16. RECONNECT EXISTING PIPE TO NEW STRUCTURE
17. CONSTRUCT CEMENT CONCRETE DRIVEWAY ENTRANCE PER CITY OF TACOMA STANDARD PLAN SU-07A
18. CONNECT NEW PIPE TO EXISTING STRUCTURE
19. CONSTRUCT 6" CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
20. PROTECT MAILBOX

GENERAL NOTES:

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HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. YAKIMA AVE. AND S. 68TH ST.
ELEVATION = 371.370

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	1" = 20'
DESIGNED: AM	CHECKED: DCS
DRAWN: ODB	PROJECT NAME: PWK-G0055
DRAWING NAME: G0055-SYAKIMA-CONST.DWG	

Signed by: Brian Wang
BRIAN WANG, STATE REGISTERED PROFESSIONAL ENGINEER
FC1824C1
5/16/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

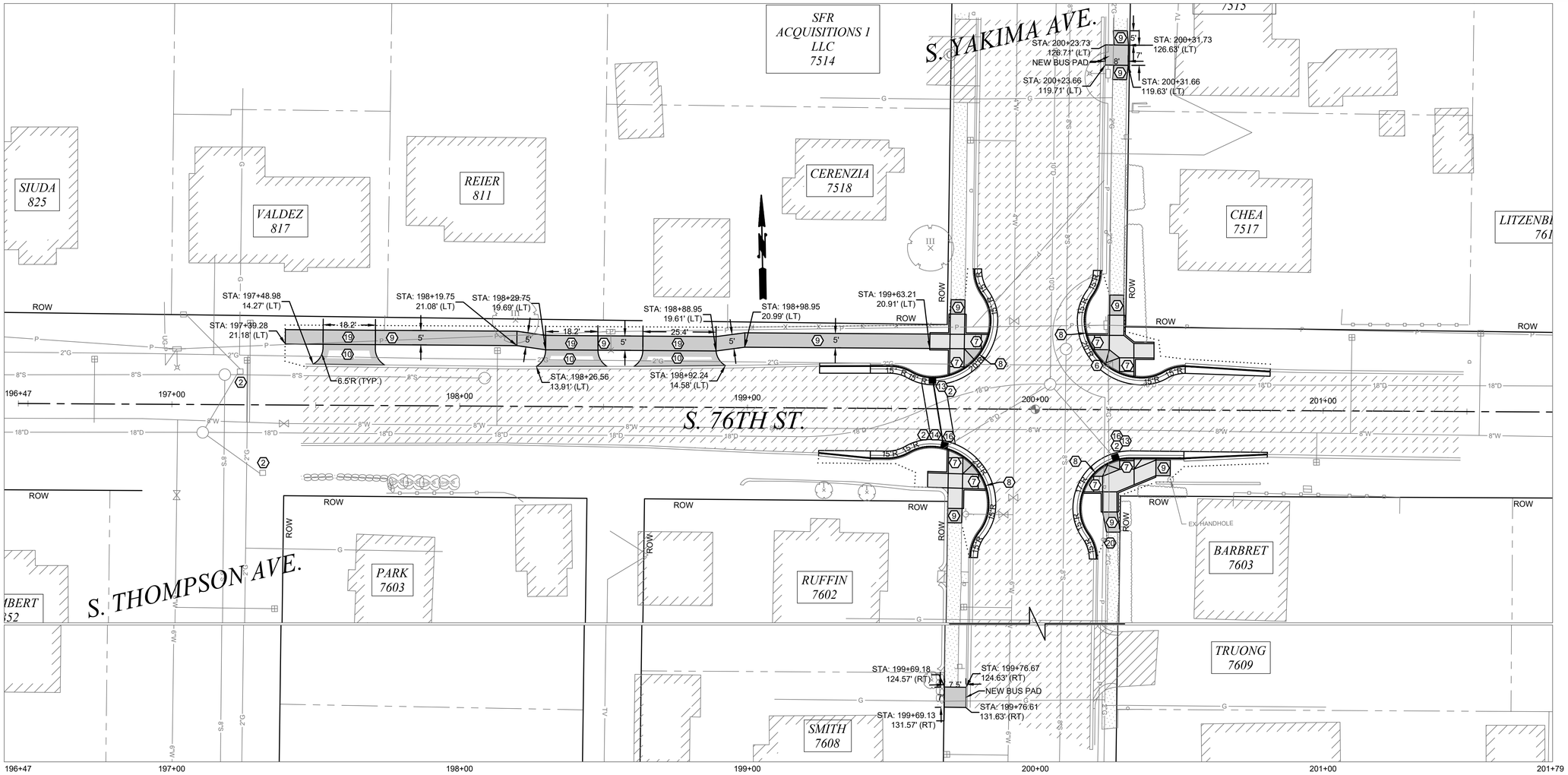
DocuSigned by: Chris Larson
CHRIS LARSON, P.E.
ENGINEERING DIVISION MANAGER

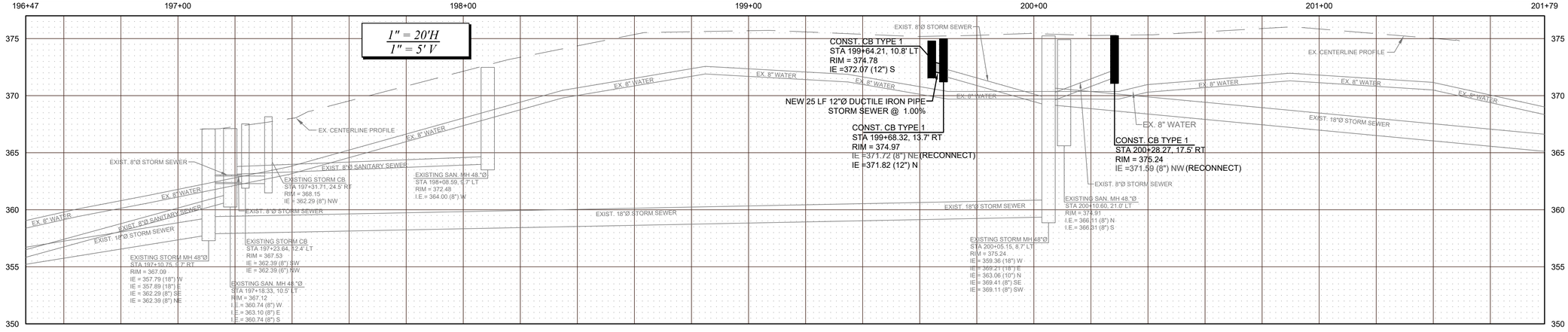
CONSTRUCTION PLAN & PROFILE

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-G0055
SHEET NO. 7
SHEET C-1 OF C-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-CONST.dwg, 5/16/2023 12:21:18 PM, OBautista





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VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. YAKIMA AVE. AND S. 68TH ST.
ELEVATION = 371.370

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE MAY 2023	SCALE 1" = 20'	
BY	DESIGNED AM	CHECKED DCS	
DATE	DRAWN ODB	PROJECT NAME PWK-G0055	
FIELD BOOKS	DRAWING NAME G0055-SYAKIMA-CONST.DWG		

Reviewed by: BRIAN K. WONG, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 48344, 5/16/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

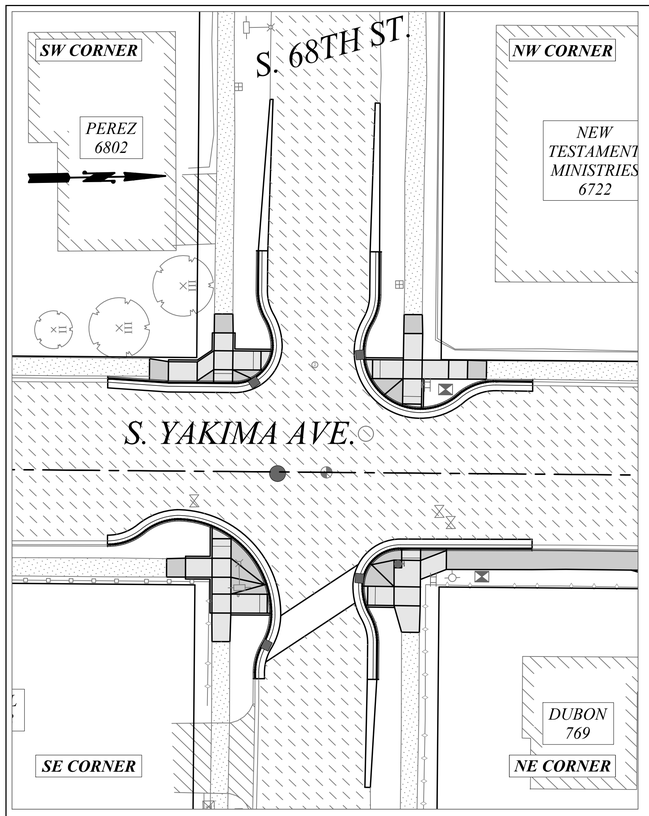
CONSTRUCTION PLAN & PROFILE

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802

SHEET NO. 8
SHEET C-2 OF C-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-CONST.dwg, 5/16/2023 12:21:23 PM, Obautista



SCALE: 1" = 20'

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2) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.
3) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

MATCH EXISTING: ME
GUTTER GRADE: GG
BACK OF CURB: BOC
TOP BACK OF CURB: TBC

DATUM

HORIZ. DATUM: N.A.D. 83/91
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AND S. 68TH ST.
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CITY OF TACOMA

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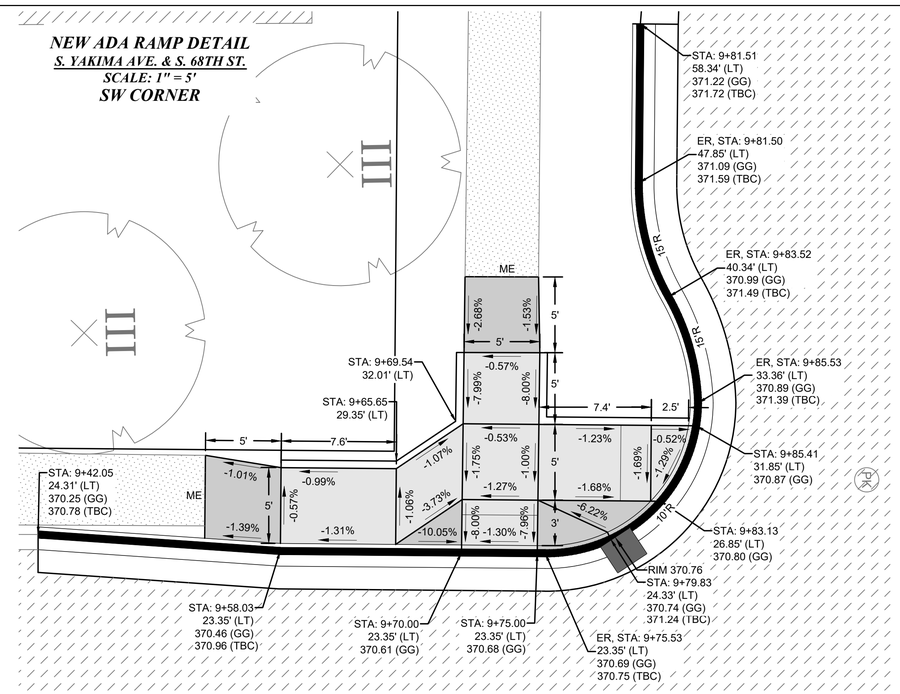
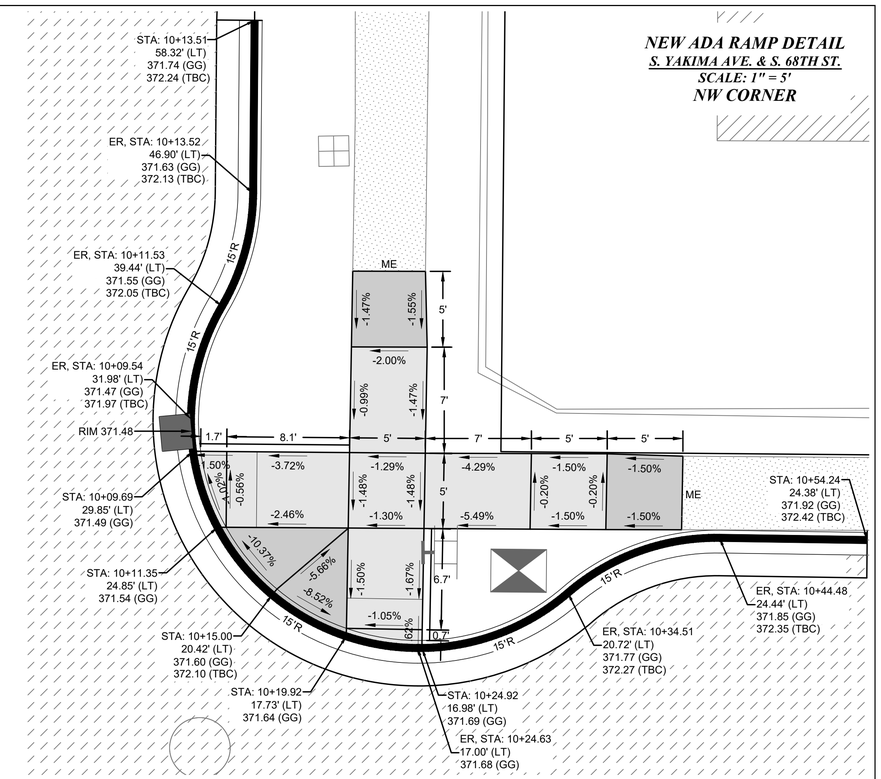
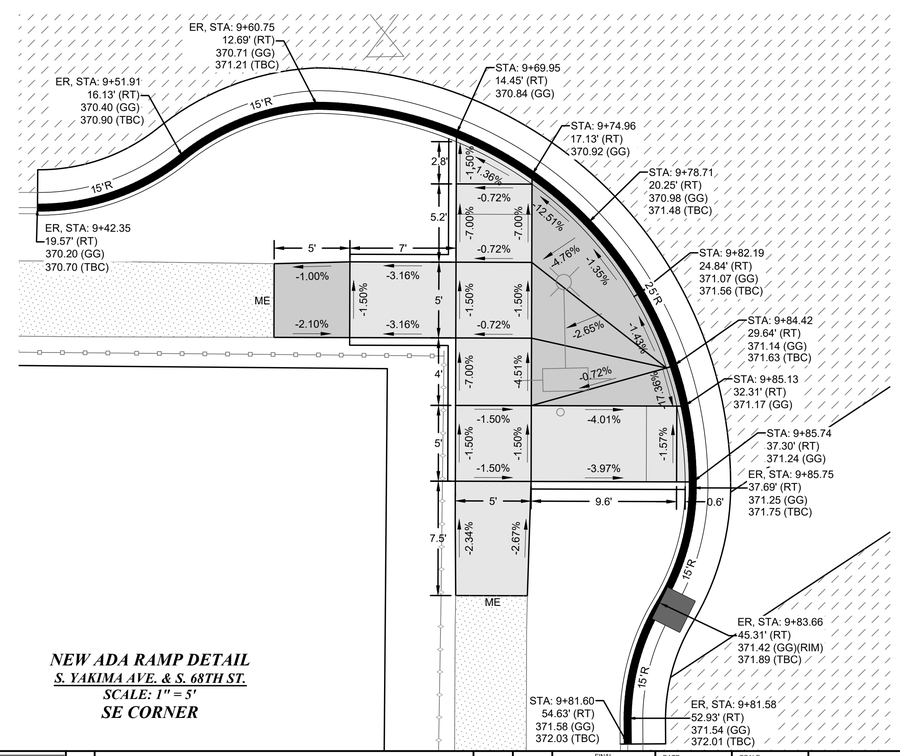
SCALE IN FEET



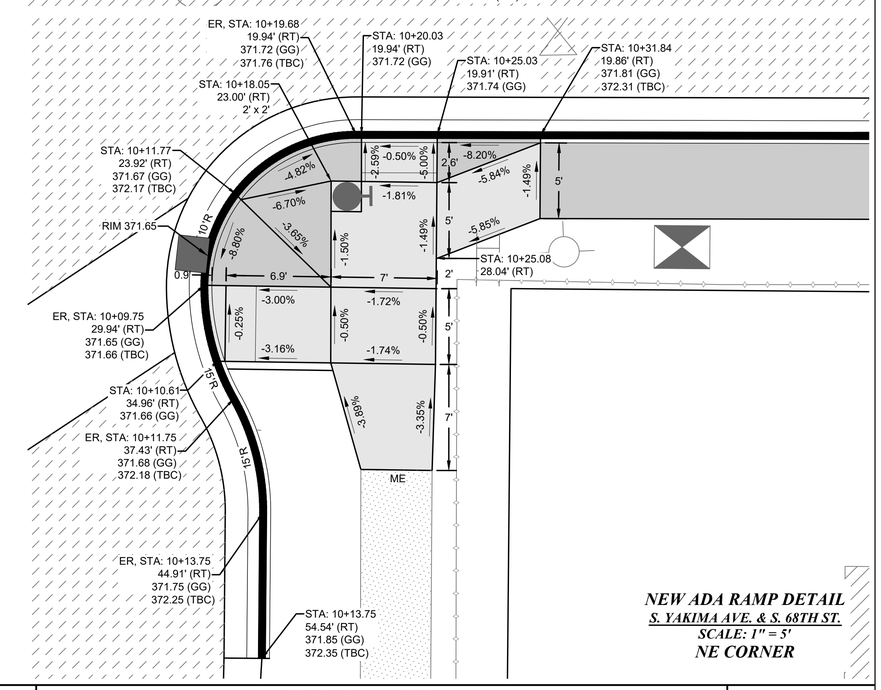
NEW ADA RAMP DETAIL
S. YAKIMA AVE. & S. 68TH ST.
SCALE: 1" = 5'
SW CORNER



NEW ADA RAMP DETAIL
S. YAKIMA AVE. & S. 68TH ST.
SCALE: 1" = 5'
NW CORNER



NEW ADA RAMP DETAIL
S. YAKIMA AVE. & S. 68TH ST.
SCALE: 1" = 5'
SE CORNER



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SCALE: 1" = 5'
NE CORNER

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	AS NOTED
DESIGNED: AM	CHECKED: DCS
DRAWN: ODB	PROJECT NAME: PWK-G0055
DRAWING NAME: G0055-SYAKIMA-IRP.DWG	

DocuSigned by: Brian Wilson
BE7CFC8244DE1...
5/16/2023

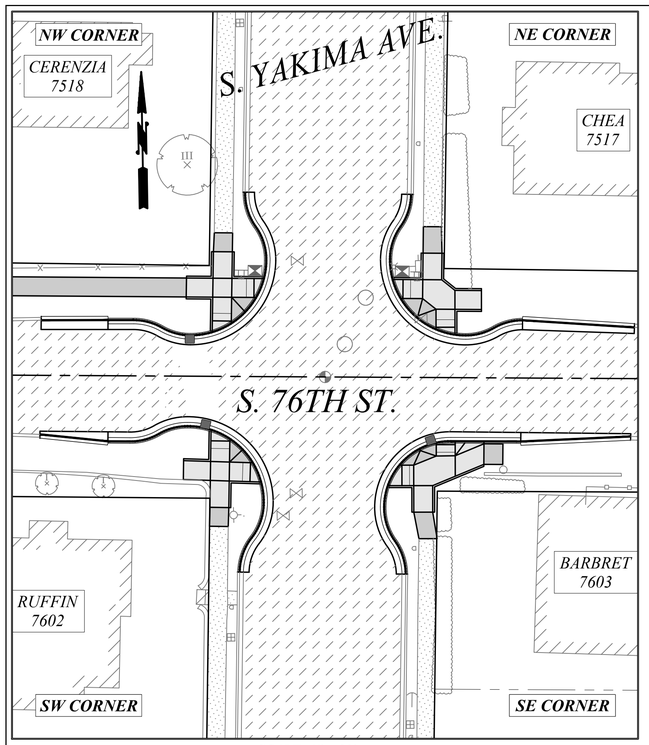
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

ADA DETAILS
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

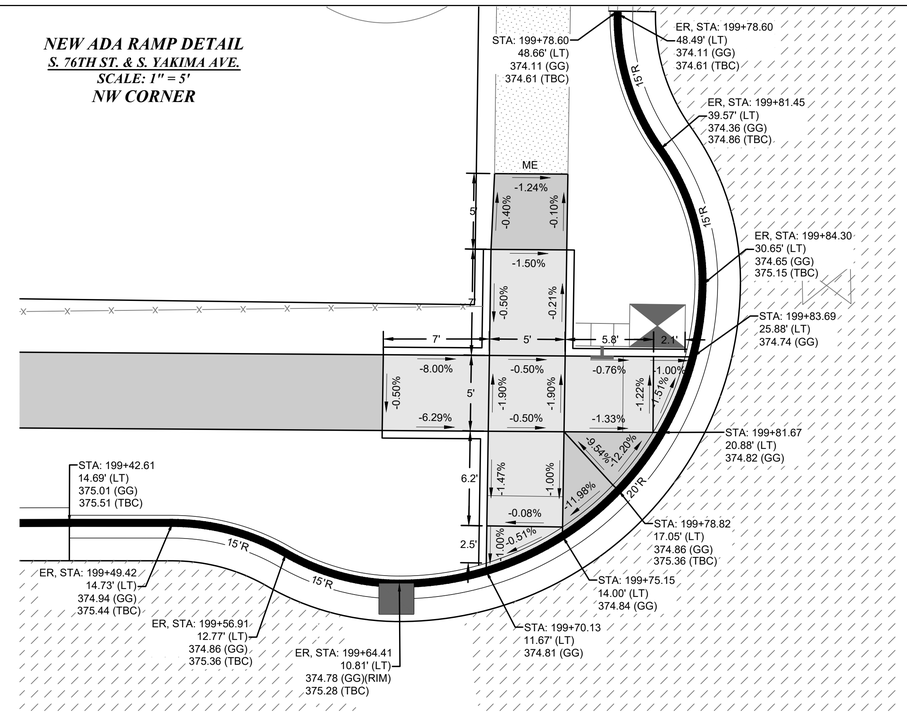
PWK-G0055
SHEET NO. 9
SHEET RP-1 OF RP-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-IRP.dwg, 5/16/2023 12:24:21 PM, OBautista

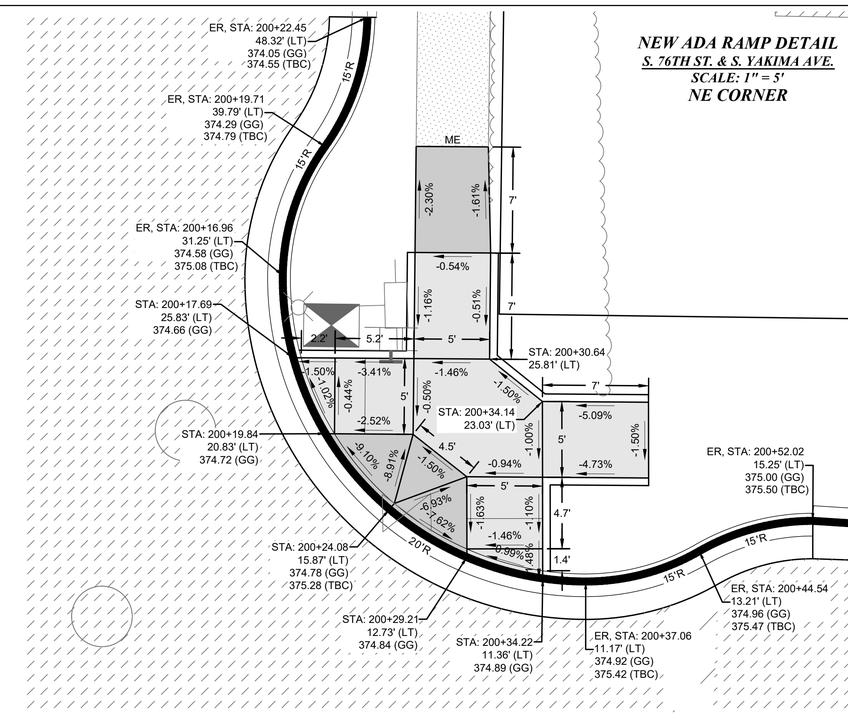


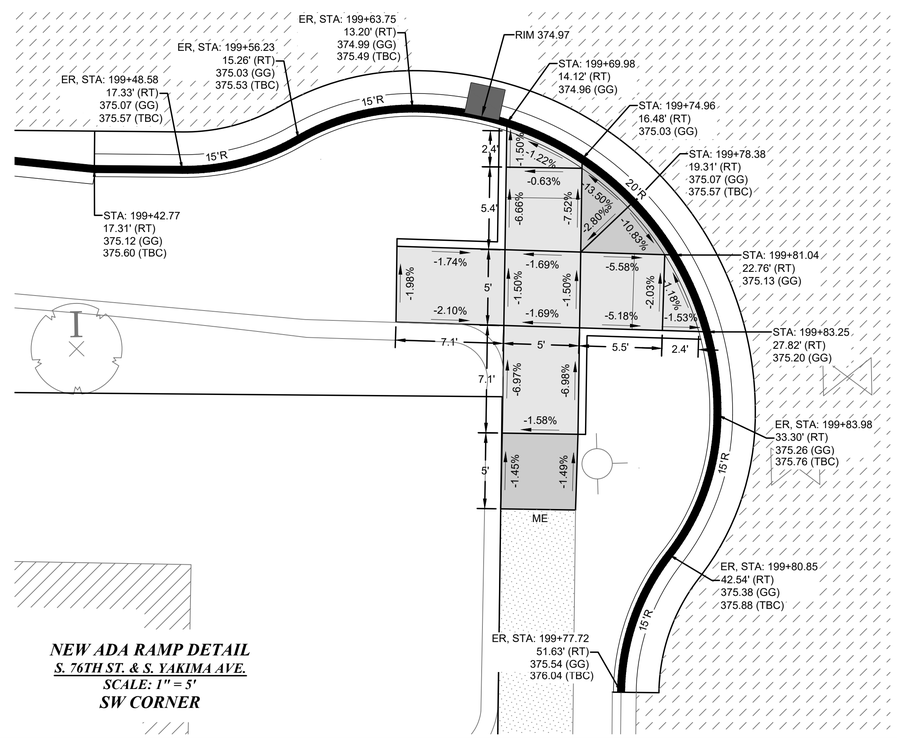
SCALE: 1" = 20'

NEW ADA RAMP DETAIL
S. 76TH ST. & S. YAKIMA AVE.
SCALE: 1" = 5'
NW CORNER



NEW ADA RAMP DETAIL
S. 76TH ST. & S. YAKIMA AVE.
SCALE: 1" = 5'
NE CORNER





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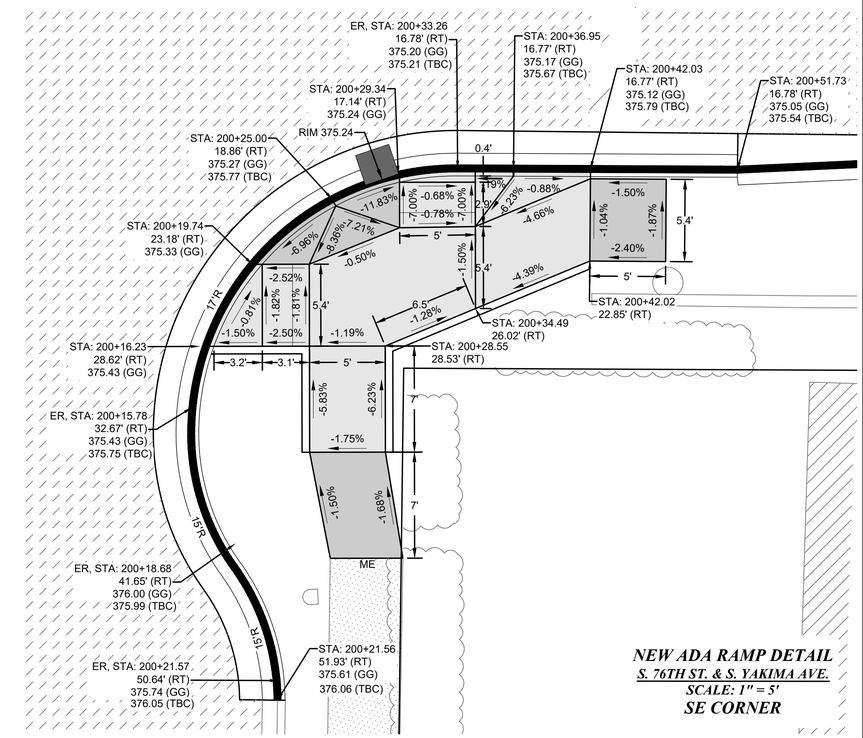
S. 76TH ST. & S. YAKIMA AVE.
SCALE: 1" = 5'
SW CORNER



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S. 76TH ST. & S. YAKIMA AVE.
SCALE: 1" = 5'
SE CORNER

GENERAL NOTES:

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3) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

MATCH EXISTING: ME
GUTTER GRADE: GG
BACK OF CURB: BOC
TOP BACK OF CURB: TBC

DATUM

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: SBM
INTERSECTION OF S. 76TH ST. AND S. YAKIMA AVE.
ELEVATION = 375.35

CITY OF TACOMA

20 0 20 40 60
SCALE IN FEET

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE MAY 2023	SCALE AS NOTED
BY	DESIGNED AM	CHECKED DCS
DATE	DRAWN ODB	PROJECT NAME PWK-G0055
FIELD BOOKS	DRAWING NAME G0055-SYAKIMA-IRP.DWG	

Stamped by: BRIAN K. KANG, STATE OF WASHINGTON, 57137, REGISTERED PROFESSIONAL ENGINEER, 5/16/2023
DocuSigned by: 7FC2824C1...

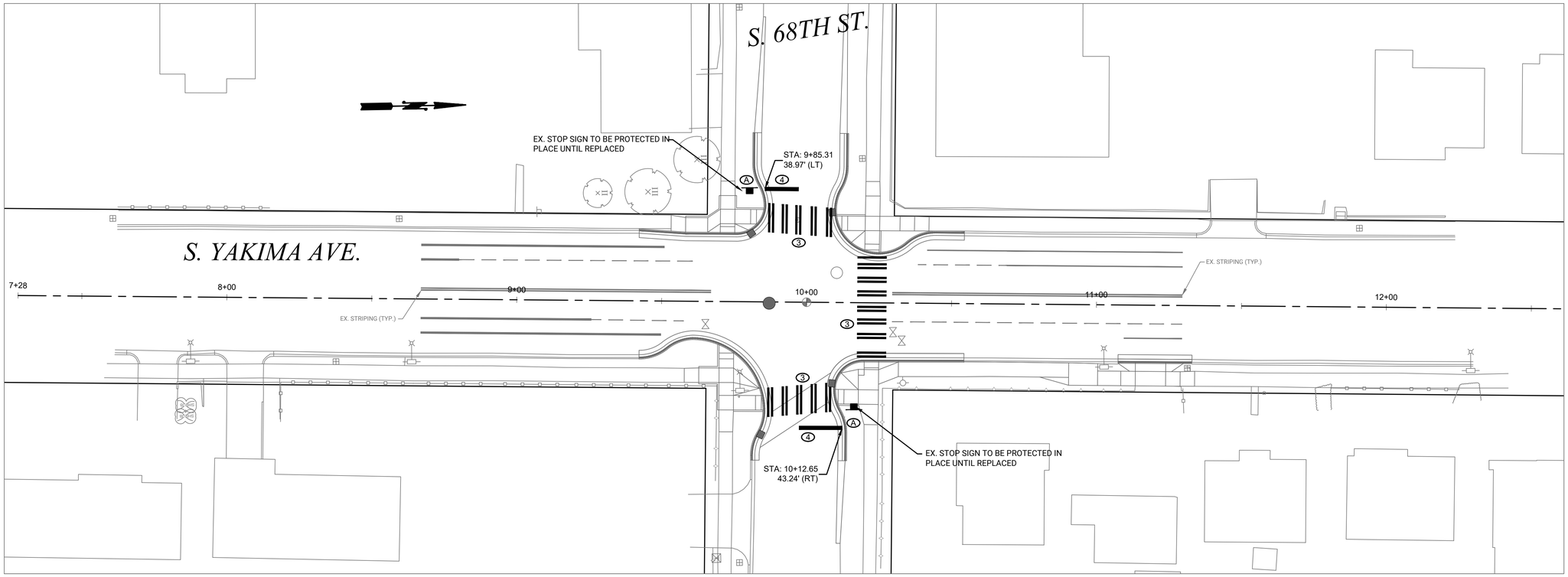
DocuSigned by: Chris Larson
53687DCBBCE4E8...
ENGINEERING DIVISION MANAGER

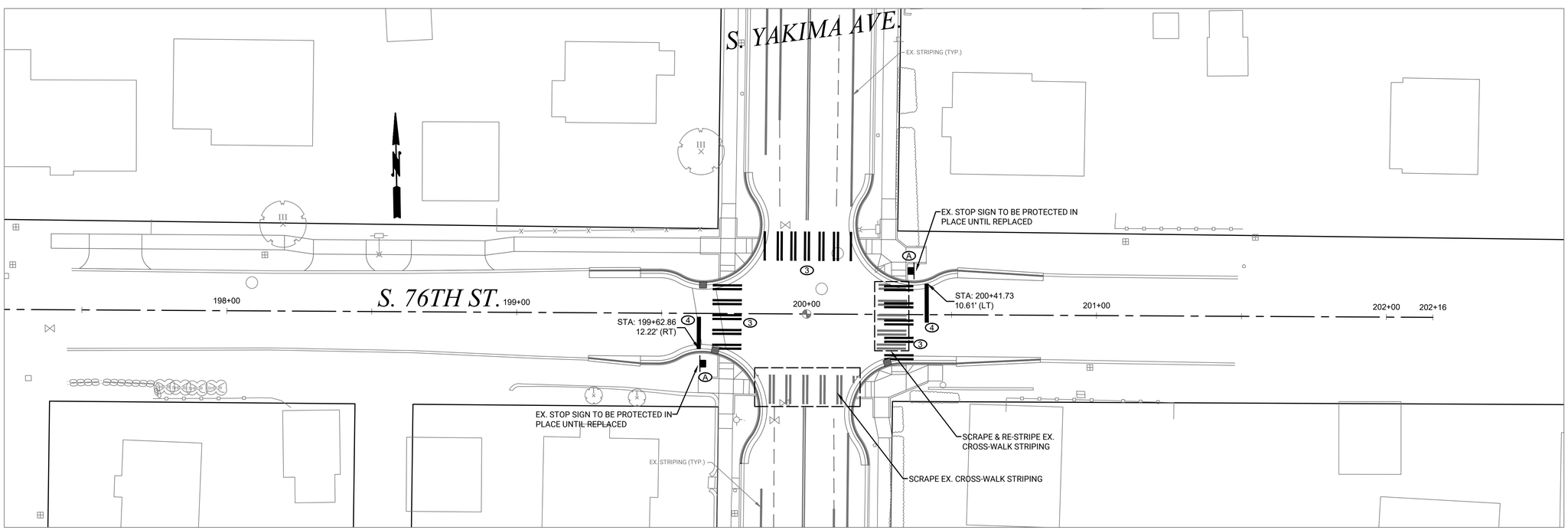
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

ADA DETAILS
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
SHEET NO. 10
SHEET RP-2 OF RP-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-IRP.dwg, 5/16/2023 12:24:32 PM, OBautista





SEE SHEET CH-2 FOR GENERAL NOTES RELATING TO CHANNELIZATION AND SIGNING

CHANNELIZATION NOTES

1. 6" WHITE BIKE LANE LINE, PAINTED,WITH REFELCTIVE PAVEMENT MARKERS PER STND. PLAN CH-03B
2. 6" WHITE BIKE LANE DOTTED LINE, PAINTED,WITH REFLECTIVE PAVEMENT MARKERS PER STND. PLAN CH-03B
3. PEDESTRIAN CROSSWALK, THERMOPLASTIC, PER COT STND. PLAN CH-02
4. 16" WHITE STOP BAR, THERMOPLASTIC, PER COT STND. PLAN CH-02
5. DOUBLE YELLOW CENTER LINE, PAINTED, WITH REFLECTIVE PAVEMENT MARKERS PER COT STND. PLAN CH-03A & CH-09

SIGNING NOTES

SEE COT STANDARD PLAN SU-34

	TYPE	DESCRIPTION	SIZE	PROJ. QTY.
A	R1-1	STOP	30" X 30"	
	W11-2	PEDESTRIAN WARNING	36" X 36"	
	S1-1	SCHOOL CROSSING	36" X 36"	

LEGEND

EXISTING SIGN MOUNTED ON POST
INSTALL NEW SIGN AND POST PER COT STD PLAN SU-34

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FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE: MAY 2023	SCALE: 1" = 20'
DESIGNED: AMM	CHECKED: BDK
DRAWN: ODB	PROJECT NAME: PWK-G0055
DRAWING NAME: G0055-SYAKIMA-CHAN.DWG	

DocuSigned by: Barbara Kell
3A3C7B3C8E4C9...
05/16/2023
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
49753

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
03687DCBBCE54F8...
ENGINEERING DIVISION MANAGER

CHANNELIZATION PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 11
SHEET CH-1 OF CH-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-CHAN.dwg, 5/16/2023 12:27:40 PM, OBautista

GENERAL CHANNELIZATION NOTES

1. THE CITY OF TACOMA TRAFFIC ENGINEERING SECTION SHALL BE NOTIFIED AT LEAST THREE (3) BUSINESS DAYS PRIOR TO STARTING ANY STRIPING WORK.
2. UNLESS OTHERWISE SPECIFIED, ALL PAVEMENT MARKING INSTALLATIONS AND REMOVALS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE CITY'S SPECIFICATIONS. ITEMS NOT COVERED UNDER THE CITY SPECIFICATIONS SHALL CONFORM TO THE WSDOT/APWA STANDARD SPECIFICATIONS AND THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS ADOPTED AND MODIFIED BY WASHINGTON ADMINISTRATIVE CODE (WAC) 468-95.
3. TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE MOST RECENT EDITION OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK, THE MUTCD, AND/OR AS DIRECTED BY THE CITY OF TACOMA.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF THE PERMANENT PAVEMENT MARKINGS. PAVEMENT MARKING DIMENSIONS ARE TO THE CENTER OF THE STRIPE FOR SINGLE-LINE STRIPING AND TO THE CENTER OF THE GAP BETWEEN THE TWO LINES FOR DOUBLE-LINE STRIPING. WHERE CURB AND GUTTER ARE PRESENT, DIMENSIONS ARE TO THE FACE OF CURB, OR TO THE EDGE OF PAVEMENT ABSENT CURB AND GUTTER. THE CONTRACTOR SHALL SCHEDULE INSPECTION OF THE PAVEMENT MARKING LAYOUT AT LEAST THREE (3) BUSINESS DAYS PRIOR TO THE INSTALLATION OF THE PERMANENT PAVEMENT MARKING. INSPECTION SHALL TAKE PLACE DURING DAYTIME AND ON A BUSINESS DAY PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS. ANY PERMANENT PAVEMENT MARKINGS APPLIED PRIOR TO FIELD INSPECTION BY THE TRAFFIC ENGINEERING SECTION SHALL BE REMOVED AND RE-STRIPED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, NOTES, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS, AND MARKERS. THE CHANNELIZATION PLANS MAY BE MODIFIED AS DIRECTED BY THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL REFER ANY QUESTIONS CONCERNING PAVEMENT MARKINGS TO THE TRAFFIC ENGINEERING SECTION VIA THE CITY'S CONSTRUCTION INSPECTOR FOR THE PROJECT.
6. GENERALLY, RAISED PAVEMENT MARKERS (RPMS) SHALL BE INSTALLED IN CONJUNCTION WITH STRIPING EFFORTS AND IN ACCORDANCE WITH CITY OF TACOMA STANDARD PLANS. EXCEPTIONS ARE POSSIBLE; COORDINATE WITH THE CITY'S TRAFFIC ENGINEERING SECTION. ALL MARKERS SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF APPROACHING TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
7. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND STRIPING IN CONFLICT WITH OR CONTRARY TO THE FINAL STRIPING PLAN BY HYDRO-BLASTING OR OTHER APPROVED NONINVASIVE METHOD. ALL REMOVAL METHODS SHALL BE DONE IN CONFORMANCE WITH WSDOT/APWA STANDARD SPECIFICATIONS. IF THE REMOVAL DAMAGES THE UNDERLYING PAVEMENT AS DESCRIBED IN THE WSDOT/APWA STANDARD SPECIFICATIONS, THEN THE PAVEMENT SHALL BE RESTORED TO A STATE EQUALING OR EXCEEDING ITS PREVIOUS STATE. IF THE OBLITERATION CAUSES SHADOWING (OR "GHOST" MARKINGS), OR IN THE OPINION OF THE CITY TRAFFIC ENGINEER WILL CAUSE CONFUSION TO DRIVERS, THE CONTRACTOR SHALL REMEDY THROUGH AN APPROVED MEANS AND METHOD. APPLYING ADDITIONAL MARKINGS TO OBSCURE ERRONEOUS MARKINGS IS NOT AN APPROVED METHOD FOR OBLITERATION. STRIPING OBLITERATION MAY NEED TO EXCEED THE CITY OF TACOMA, RIGHT-OF-WAY DESIGN MANUAL ISSUED: JANUARY 7, 2016 CHAPTER 7 7-14 ERRATA VERSION JULY 2016 PROJECT LIMITS SO THAT THE NEW STRIPING WILL MATCH PERMANENT EXISTING PAVEMENT MARKINGS.
8. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE CITY BY POWER BROOM, STREET SWEEPING, AIR JET BLOWING, AND/OR WATER JET/TRUCK PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS UNLESS DIRECTED OTHERWISE. THE ROAD PAVEMENT SURFACE CONDITIONS, INCLUDING ANY PAVEMENT CURING TIMES, SHALL BE IN ACCORDANCE WITH THE WSDOT/APWA STANDARD SPECIFICATIONS PRIOR TO THE APPLICATION OF PERMANENT PAVEMENT MARKINGS.
9. PERMANENT PAVEMENT MARKINGS SHOULD BE FULLY IMPLEMENTED BEFORE ALLOWING PUBLIC USE OF THE ROADWAY. TEMPORARY PAVEMENT MARKINGS CONTROLLING TRAFFIC AS INTENDED BY THE PERMANENT CHANNELIZATION PLANS MAY BE PERMISSIBLE IN THE CASE WHERE PAVEMENT CONDITIONS/MATERIALS PRECLUDE IMPLEMENTATION OF THE PERMANENT PAVEMENT MARKINGS UNTIL A LATER TIME. TEMPORARY MARKINGS SHALL NOT BE USED ANY LONGER THAN NECESSARY AND NO LONGER THAN ONE (1) MONTH UNLESS OTHERWISE APPROVED OR MITIGATED, WHICH MAY INCLUDE A RE-APPLICATION OF THE TEMPORARY MARKINGS.

GENERAL SIGNING NOTES

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

CALL BEFORE YOU DIG

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

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

Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE MAY 2023	SCALE 1" = 20'
BY	DESIGNED AMM	CHECKED BDK
DATE	DRAWN ODB	PROJECT NAME PWK-G0055
FIELD BOOKS	DRAWING NAME G0055-SYAKIMA-CHAN.DWG	

DocuSigned by: 3/16/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

CHANNELIZATION PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 12
SHEET CH-2 OF CH-2

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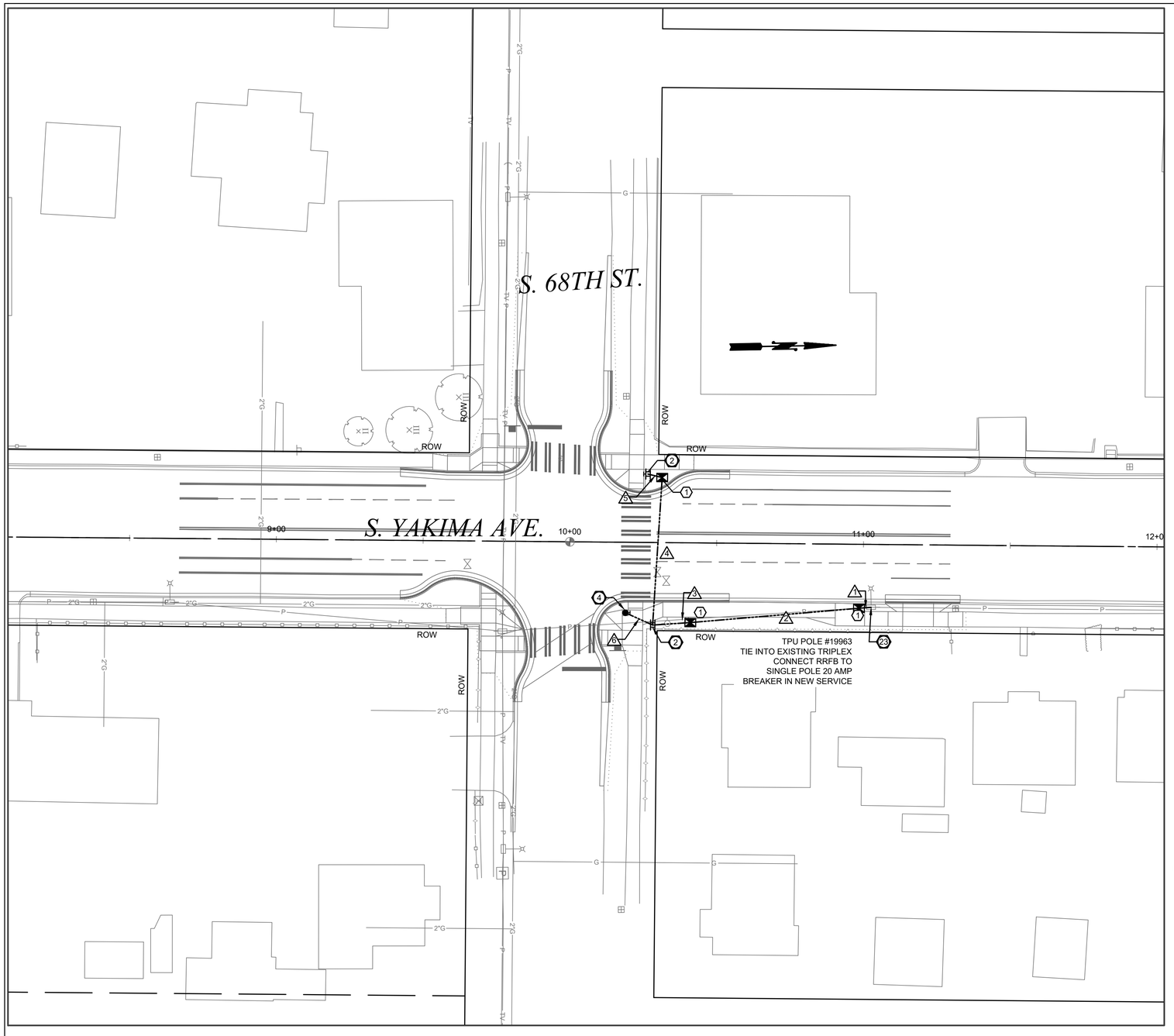

SCALE 1" = 10'

10 0 10 20 30

SCALE IN FEET

CONSTRUCTION NOTES

1. INSTALL TYPE1 JUNCTION BOX WITH CONCERETE BORDER PER CITY OF TACOMA STD. PLAN TS-08.
2. INSTALL FB POLE AND FOUNDATION PER WSDOT STD. PLAN J-21.10. FURNISH AND INSTALL DUAL SIDED RRFB ASSEMBLY WITH APS AND SIGNS PER CITY OF TACOMA SPECIFICATION 9-25.15 SYSTEM TO BE POWERED BY 120VAC. PUSHBUTTON TO BE WITHIN 10 INCHES OF LANDING BUT NOT REQUIRING A FORWARD REACH BEYOND THE FEET OF SOMEONE IN A WHEELCHAIR.
3. INSTALL RISER ASSEMBLY UNDERGROUND SERVICE CONDUIT PER COT STANDARD PLAN TS-05.
4. INSTALL ACCESSIBLE BREAKAWAY PEDESTRIAN PUSH BUTTON POST PER WSDOT STANDARD PLAN J-20.15-03 AND INSTALL APS ASSEMBLY PER CITY OF TACOMA SPECIFICATION 9-25 SYSTEM TO BE POWERED BY 120 VAC.

GENERAL NOTES

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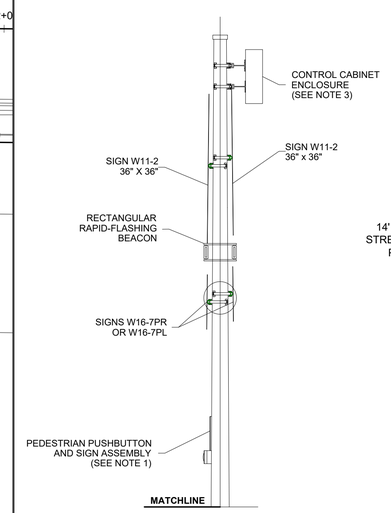
2. CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING LIGHTING SYSTEM WITH CITY OF TACOMA TRAFFIC MAINTENANCE SHOP AT (253) 591-5287.
3. CONTROL CABINET ENCLOSURE SHALL BE SIZED BY THE RRFB MANUFACTURER. THE CONTROL CABINET SHALL BE MANUFACTURED PER TERMINAL CABINET REQUIREMENTS OF STANDARD SPECIFICATION SECTION 9-29.25.
4. RRFB DISPLAYS SHALL BE LED TYPE MEETING THE INTENSITY REQUIREMENTS OF SAE J595 FOR CLASS 1 YELLOW, BUT SHALL NOT EXCEED 1000 CANDELAS DURING DAYLIGHT AND 500 CANDELAS AFTER DARK.

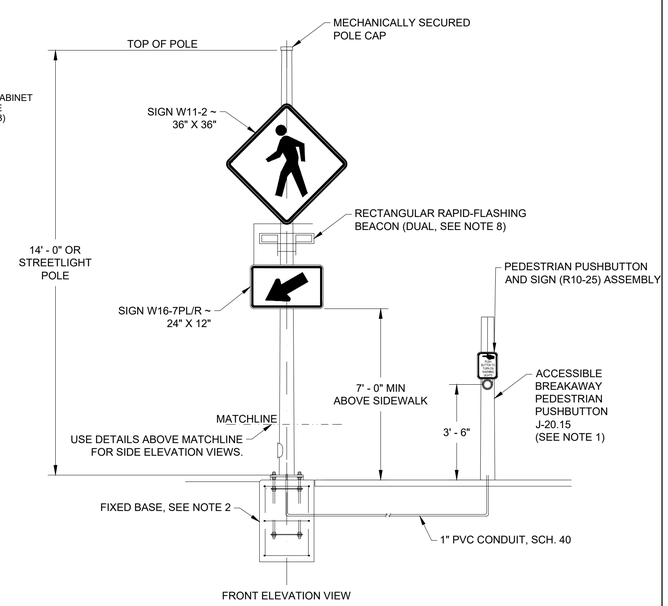
LEGEND

DESCRIPTION	EXIST.	PROP.
CONSTRUCTION NOTE		#
SIGNAL POLE CONSTRUCTION NOTE		#
WIRE NOTE		#
RAPID-FLASHING BEACON		
TYPE 1 JUNCTION BOX		
UTILITY POLE WITH LIGHT		
UTILITY POLE/ POWER POLE		
GUY, ANCHOR		
CONDUIT OH		
PEDESTRIAN PUSHBUTTON		



SIDE ELEVATION VIEW

BI-DIRECTIONAL CONFIGURATION DETAILS



FRONT ELEVATION VIEW

RAPID-FLASHING BEACON

WIRE NOTES			
RUN NO. Δ	CONDUIT	CONDUCTORS	NOTES
1	2"	2 - #10 POWER 1 - #10 GRND	
2	2"	2 - #10 POWER 1 - #10 GRND	
3	2"	2 - #10 POWER 1 - #10 GRND	
4	3"	2 - #10 POWER 1 - #10 GRND	
5	2"	2 - #10 POWER 1 - #10 GRND	
6	2"	2 - #10 POWER 1 - #10 GRND	

RRFB POLE DETAIL CHART								
STD. No.	FIELD LOCATION				POLE TYPE	FOUNDATION DEPTH (FT) ALTERNATE 1		REMARKS
	STATION	OFFSET	L.T.	RT.		3'RD.	3'SQ.	
1	10+28.41	28.12		X	RRFB	4.0'	3.0'	
2	10+26.40	23.30	X		RRFB	4.0'	3.0'	

CALL BEFORE YOU DIG

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	1" = 20'
DESIGNED AL	CHECKED DCS
DRAWN ODB	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-SIGNAL.DWG	

DocuSigned by: Brian Ward
06BAC8F159...
49754 REGISTERED PROFESSIONAL ENGINEER
5/16/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
2C0A7DC8C7E8F8...
ENGINEERING DIVISION MANAGER

SIGNAL PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-G0055

SHEET NO. 13
SHEET SG-1 OF SG-2

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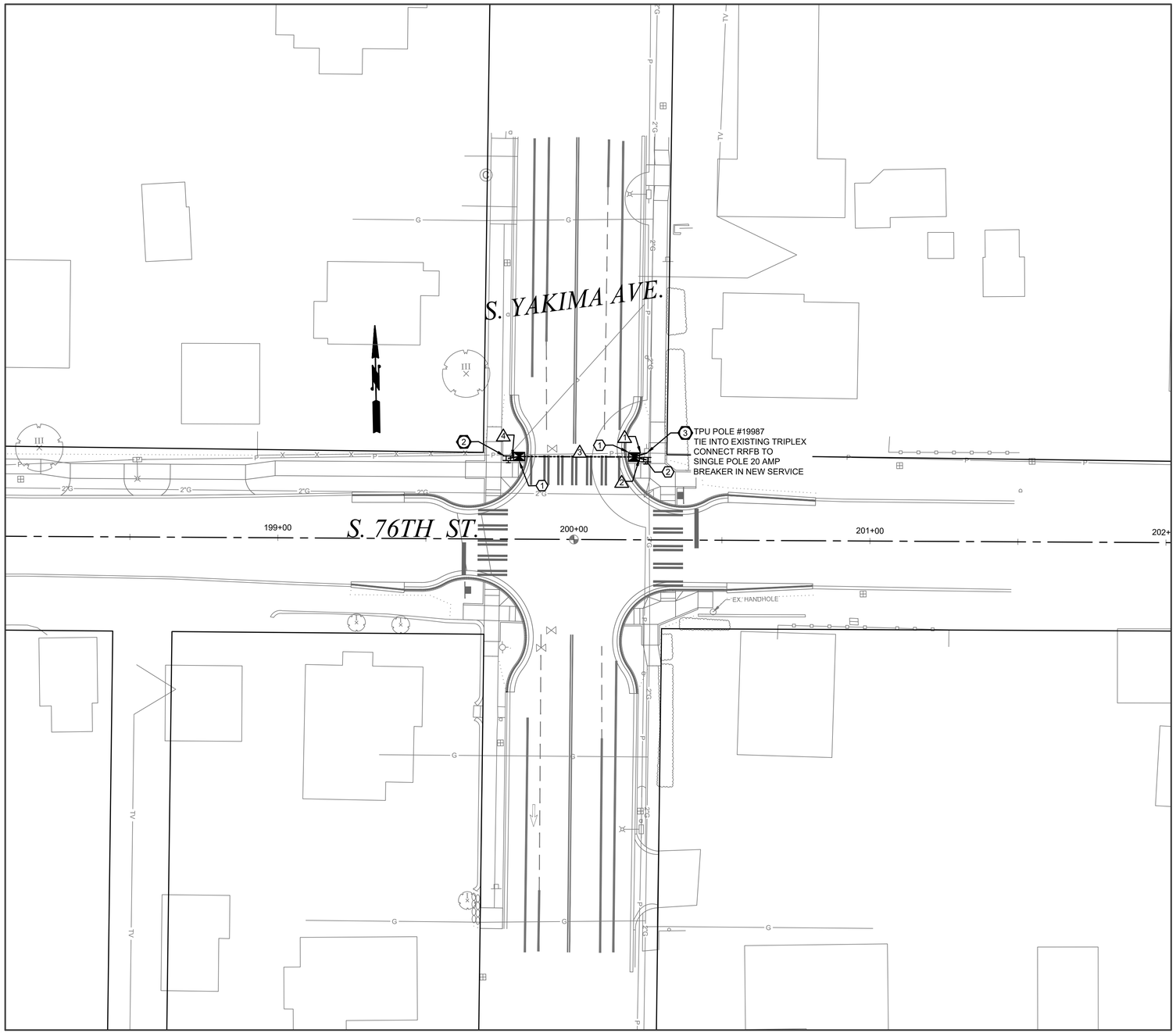

SCALE 1" = 10'

10 0 10 20 30

SCALE IN FEET

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RAPID-FLASHING BEACON		
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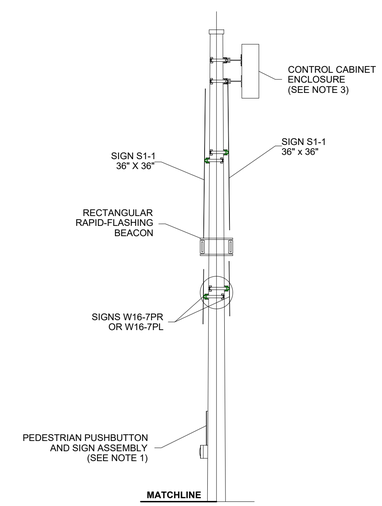
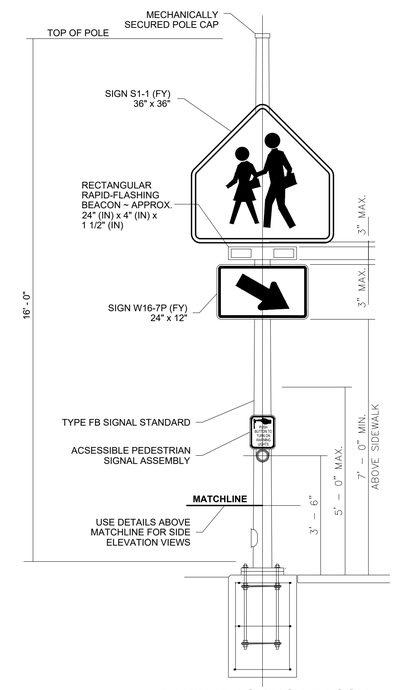


SIDE ELEVATION VIEW

BI-DIRECTIONAL CONFIGURATION DETAILS



RAPID-FLASHING BEACON

WIRE NOTES			
RUN NO. Δ	CONDUIT	CONDUCTORS	NOTES
1	2"	2 - #10 POWER 1 - #10 GRND	
2	2"	2 - #10 POWER 1 - #10 GRND	
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RRFB POLE DETAIL CHART								
STD. No.	FIELD LOCATION				POLE TYPE	FOUNDATION DEPTH (FT) ALTERNATE 1		REMARKS
	STATION	OFFSET	LT.	RT.		3'RD.	3'SQ.	
1	200+24.15	27.07	X		RRFB	4.0'	3.0'	
2	199+77.73	27.26	X		RRFB	4.0'	3.0'	

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAY 2023	1" = 10'
DESIGNED AL	CHECKED DCS
DRAWN ODB	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-SIGNAL.DWG	

DocuSigned by: 5/22/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson
ENGINEERING DIVISION MANAGER

SIGNAL PLAN

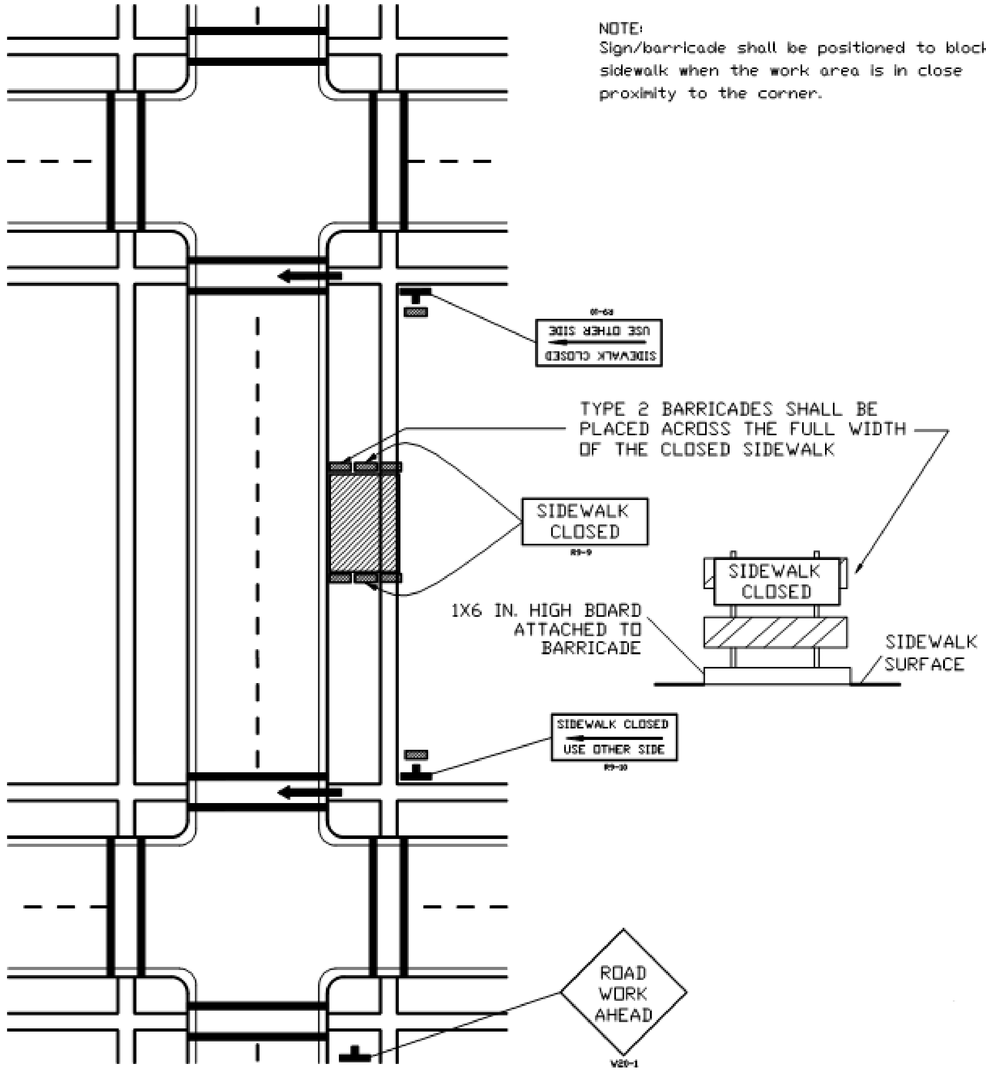
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S. YAKIMA AVE. FROM S. 76TH ST. TO S. 68TH ST.

PWK-00802

SHEET NO. 14
SHEET SG-2 OF SG-2

P:\Design\Projects\CIVIL 3D\PWK-G0055_S Yakima Sidewalk - S 67th to S 70th\Production Drawings\G0055-SYAKIMA-SIGNAL.dwg, 5/16/2023 12:31:00 PM, OBautista

NOTE:
Sign/barricade shall be positioned to block sidewalk when the work area is in close proximity to the corner.



TCP#1
Note: Directed crossings upstream of sidewalk closure point shall be nearest legal crossing, whether marked (as shown) or not.

CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.

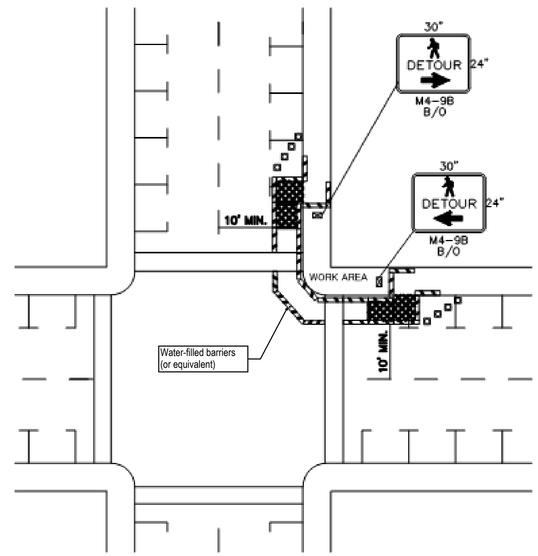
A 60" MINIMUM PATH WIDTH SHOULD BE MAINTAINED.

CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.

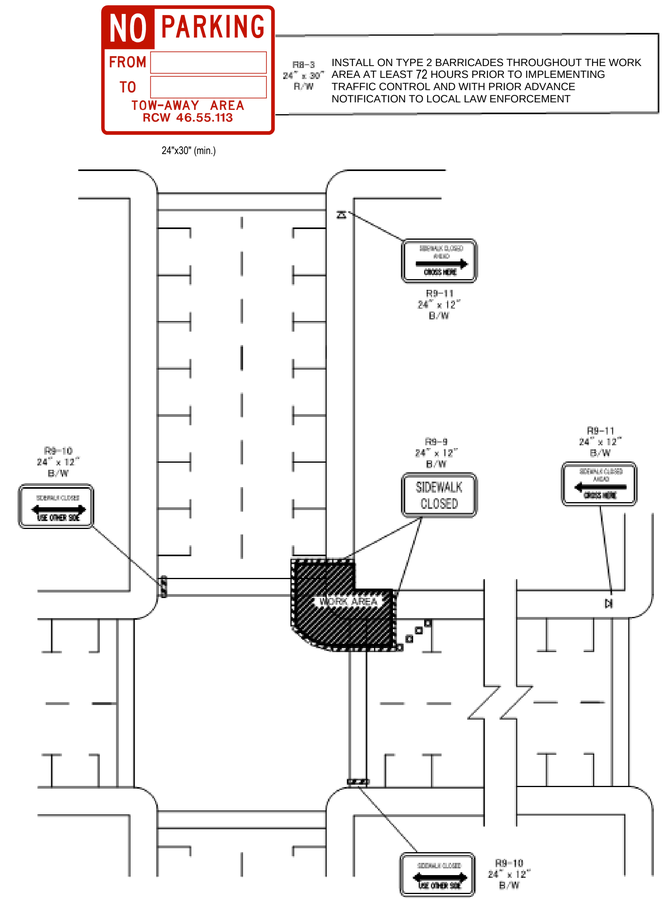
SEE COT TC HANDBOOK FOR TEMPORARY PEDESTRIAN RAMP DETAILS.

ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED.

TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.



SIDEWALK DIVERSION

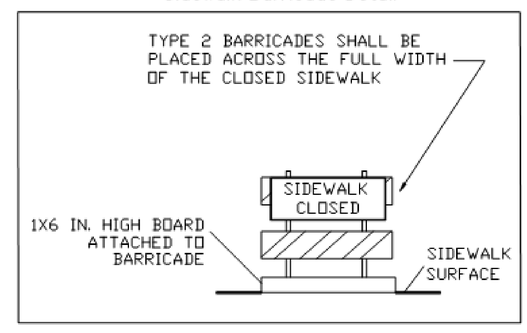


SIDEWALK DETOUR

LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PEDESTRIAN CHANNELIZING DEVICES (WATER-FILLED BARRIERS OR EQUIVALENT)
- TEMPORARY PEDESTRIAN RAMP FOR SIDEWALKS

Sidewalk Barricade Detail



TCP#2: S Yakima Ave at 68th St or 78th St
Notes:
1) Only one intersection corner (pedestrian ramps in both directions) at a given intersection can be closed/made inaccessible to pedestrians at a given time, and any such closures must be coordinated between adjacent intersections.
2) If temporary pedestrian routing does not correspond with a parking lane, a travel lane shift is needed, as allowed for site/traffic conditions.

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Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAR 2023	NONE
DESIGNED BDK	CHECKED BDK
DRAWN BDK	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-TCP	

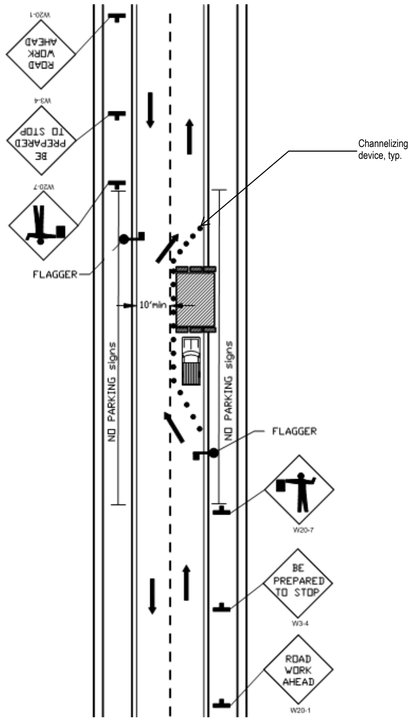
Do Not Scale Drawings
Brennen Kidd
31A8F93C8F45...
9/5/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

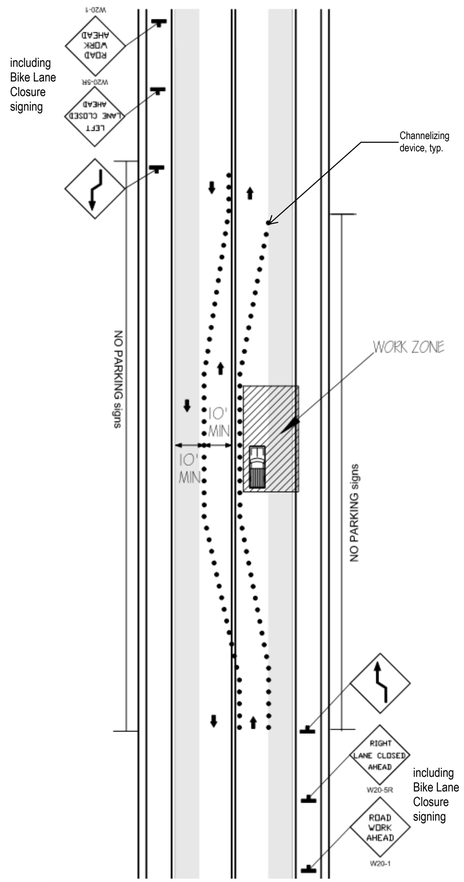
DocuSigned by:
Chris Larson
ENGINEERING MANAGER 4F8...

TRAFFIC CONTROL PLAN
S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S YAKIMA AVE FROM 76TH TO 68TH ST.

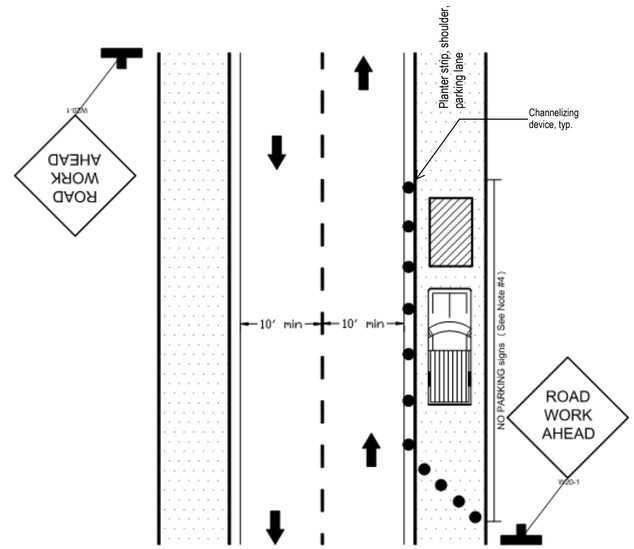
PWK-00802
PWK-G0055
SHEET NO. 15
SHEET TCP-1 OF TCP- 2



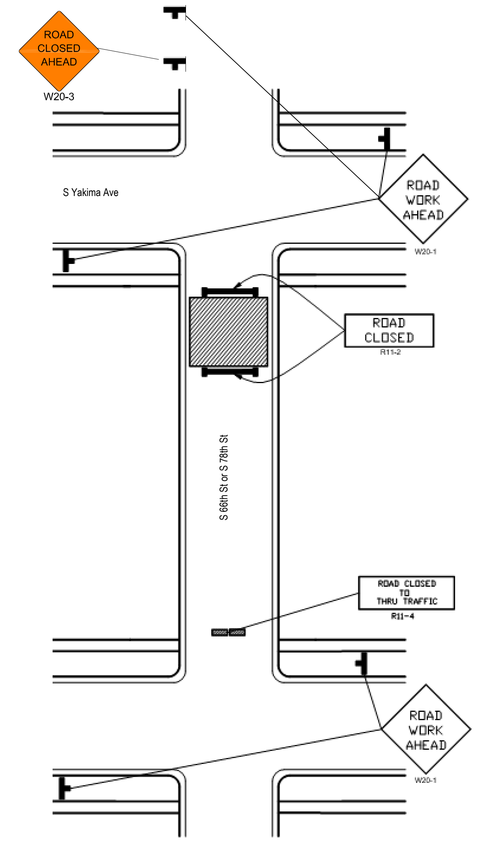
TCP#3
Notes:
1) Intended for use on **non-arterial roadways (without signal control) only** to facilitate potential work at the subject locations that requires encroachment onto non-arterial side-streets.
2) TCP set-up, in concept, may be used at intersection corners in conjunction with appropriate pedestrian control TCP, and the set-up shown may be mirrored as needed.
3) TCP is not intended for use during non-active construction/non-working hours.
4) Shown sign locations/separations are per the 2009 MUTCD (Chapter 6H).



TCP#4
Notes:
1) May be permissible for use on Yakima Ave on roadway configuration, work being performed, and if there is sufficient separation from any intersecting roadways.
2) Intended for use during working- and non-working hours, if necessary (and with proper night-time provisions).
3) TCP set-up may be mirrored.
4) Shown sign locations/separations are per the 2009 MUTCD (Chapter 6H).



TCP#5
Notes:
1) For use within parking lane or roadside with no or minor encroachment into adjacent travel way.
2) May be used for roadside sign installations where roadway configuration allows; otherwise see TCP#4.
3) Shown sign locations/separations are per the 2009 MUTCD (Chapter 6H).



TCP#6: S 68th St or 78th St
Note:
1) Potential use of this plan shall apply to the closure of a non-arterial roadway (as noted above) to facilitate work that may occur at the interface between the given roadway and S Yakima Ave as the intersecting arterial street.
2) Potential use of this plan may be considered for use on S 68th St or 78th St if the work element warrants the need and associated impact as so long as it abides by the Project Specifications.
3) Roadway closures require advance notice to agencies/City Departments per Project Specifications.
4) Roadway closures require advance notice to property owners and tenants and maintenance of local access per Project Specifications.
5) Roadway closures require advance notification signage for parking restrictions per Project Specifications.

TRAFFIC CONTROL GENERAL NOTES/REQUIREMENTS:

1. Traffic control elements, spacing, tapers, and requirements of temporary traffic control shall be in accordance with the Manual on Uniform Traffic Control Devices (latest edition with applicable amendments/revisions per Chapter 468-95 of the WAC), the WSDOT Standard Specifications, and the City's Traffic Control Handbook.
2. Any permanent traffic control elements (e.g., signing, striping) that would be in conflict with the temporary traffic control elements shall be covered (or removed and replaced) with prior approval from the City.
3. Parking restrictions to be implemented through advance placement (at least 72 hours) of No Parking signs with clearly presented date/duration of parking restriction.
4. Primary or alternate access (vehicular and pedestrian) to affected properties must be maintained at all times per Section 1-07.23 of the Specifications.
5. Inform in advance (at least 10 working days) and coordinate with Pierce Transit regarding impacts to, and possible relocations of, bus stops affected by the work areas and/or traffic control elements.
6. The plan depiction of the number of channelizing devices needed is an approximation; additional channelizing devices may be needed to implement the prescribed traffic control.
7. Traffic control delineators at corners may require field adjustment based on large vehicle turning needs.
8. Steady burning warning lights (Type C per MUTCD) shall be used to delineate channelizing devices at night and low-light conditions.
9. Adjust and modify traffic control devices as directed by the Engineer or Engineer's representative.
10. No signs shall be placed so as to obscure visibility of other traffic signs and/or visibility of drivers and pedestrians using the roadway.
11. Contractor shall inform affected businesses and other identified stakeholders 2 weeks in advance of on-street parking and/or access restrictions in preparation for establishing work zones.
12. Temporary traffic control for pavement marking work may be able to be performed via shown plans (or mobile variant thereof), and/or will require specific plan(s) to be developed and submitted for City review/approval.
13. Any proposed temporary traffic control set-up, even if based on what is shown in the plans, may require, when requested by the City, a site-specific plan to be developed by the Contractor for City review/approval.
14. Portable Changeable Message Signs (PCMS) are required to be in place at least seven (7) calendar days before construction begins when affecting the flow/operation of an arterial roadway, but can be replaced with static signs conveying the same information thereafter.

SIGN SPACING=X (FEET) (1)		
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500±(OR AS PER MUTCD)
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)
ALL SIGNS ARE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

(1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

(2) This spacing may be reduced in urban areas to fit roadway conditions.

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

Taper / Channelizing Device Table

Merging, Shifting, and Shoulder Taper Lengths and Number of Channelization Devices Used

(Washington State Department of Transportation)

(All minimums)

Lane Width	10 Feet					11 Feet					12 Feet					Shoulder Tapers (Assumes 10' Shoulder)		
	L		1/2 L			L		1/2 L			L		1/2 L					
MPH	Merging	Devices	Shifting	Devices		Merging	Devices	Shifting	Devices		Merging	Devices	Shifting	Devices		MPH(ft)	Length	Devices
20	70	6	35	3		75	6	40	3		80	6	40	3		20	25	3
25	105	6	55	4		115	7	60	4		125	7	65	4		25	35	3
30	150	8	75	5		165	9	85	5		180	10	90	5		30	50	3
35	205	8	105	5		225	9	115	5		245	9	125	5		35	70	4
40	270	10	135	6		295	11	150	6		320	12	160	6		40	90	4
45	450	16	225	9		495	18	250	9		540	19	270	10		45	150	6
50	500	14	250	8		550	15	275	8		600	16	300	9		50	170	6
55	550	15	275	8		605	16	305	9		660	18	330	9		55	185	6
60	600	16	300	9		660	18	330	9		720	19	360	10		60	200	6
65	650	17	330	9		715	19	370	10		780	21	390	11		65	220	7
70	700	19	350	10		770	20	385	11		840	22	420	12		70	235	7
																shoulder taper equals Shoulder Width x Speed / 3		

(Extracted from Appendix 1-1, of the Work Zone Traffic Control Guidelines - M54-44, 2012)

CALL BEFORE YOU DIG

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

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

Tacoma

NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
MAR 2023	NONE
DESIGNED BDK	CHECKED BDK
DRAWN BDK	PROJECT NAME PWK-G0055
DRAWING NAME G0055-SYAKIMA-TCP	

DocuSigned by: Brian Bdk 3C8B3C8F... 3/29/2023

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

DocuSigned by: Chris Larson 02687DC8BCEE4E8... ENGINEERING DIVISION MANAGER

TRAFFIC CONTROL PLAN

S. YAKIMA SIDEWALK & BIRNEY SRTS IMPROVEMENTS
S YAKIMA AVE FROM 76TH TO 68TH ST.

PWK-00802
PWK-G0055
SHEET NO. 16
SHEET TCP-2 OF TCP- 2