

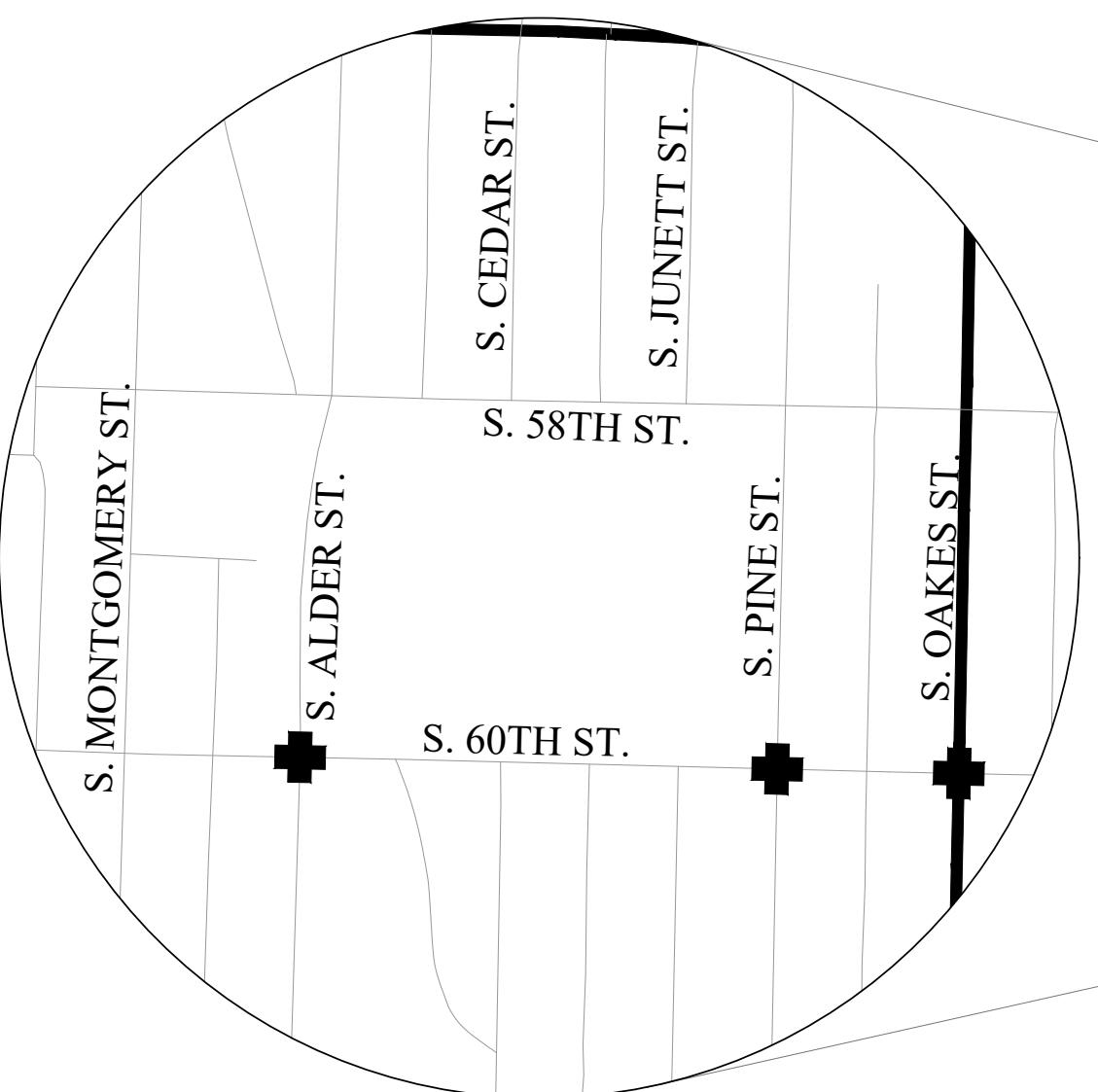
THE CITY OF TACOMA

PUBLIC WORKS DEPARTMENT
SPECIFICATION NO. PW23-0019F
JANUARY 2023

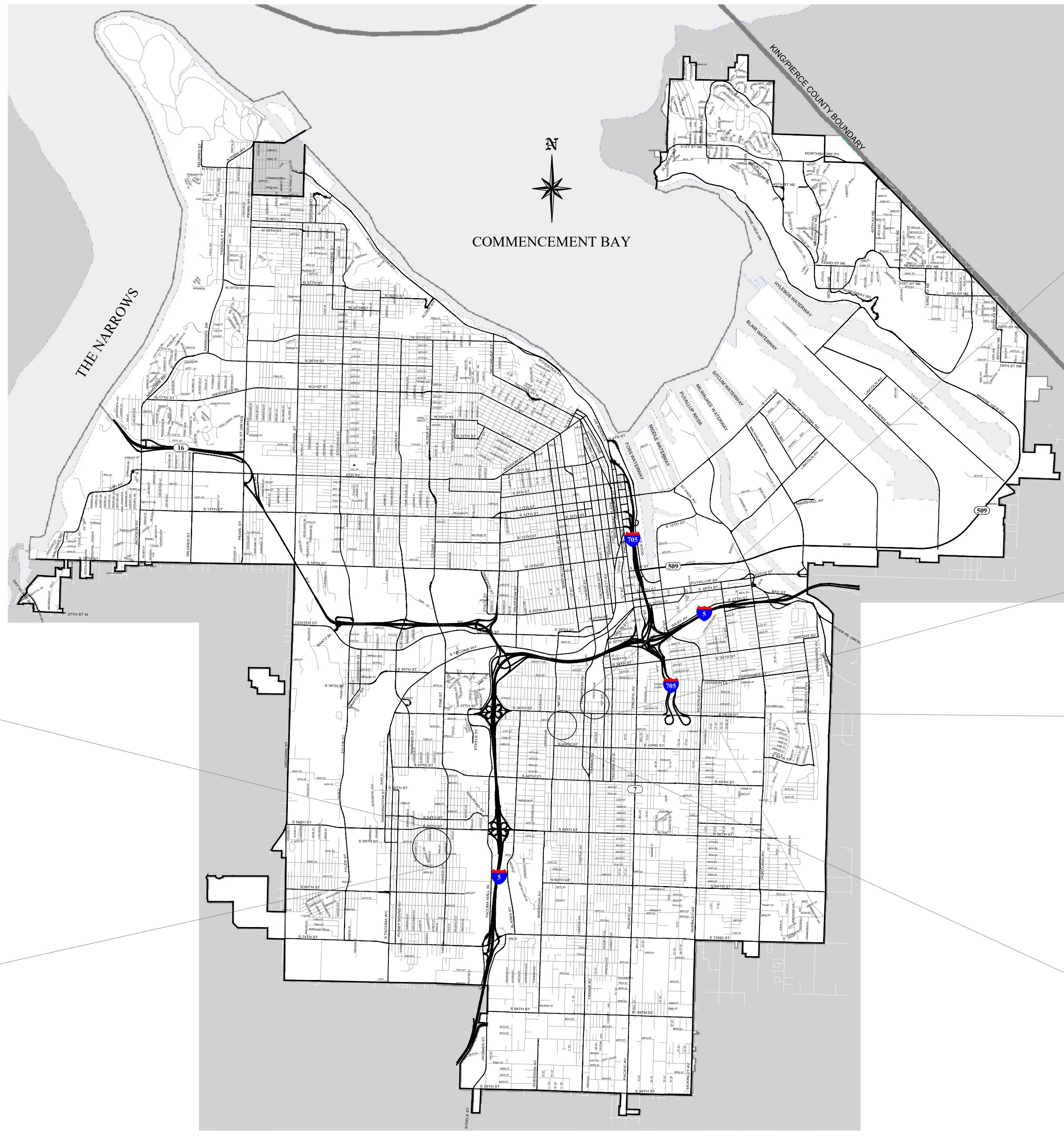
SAFE ROUTES TO SCHOOL

PROJECT

EDISON ELEMENTARY, WHITMAN ELEMENTARY
AND LINCOLN HIGH SCHOOL
PROJECT NUMBER: PWK-01034



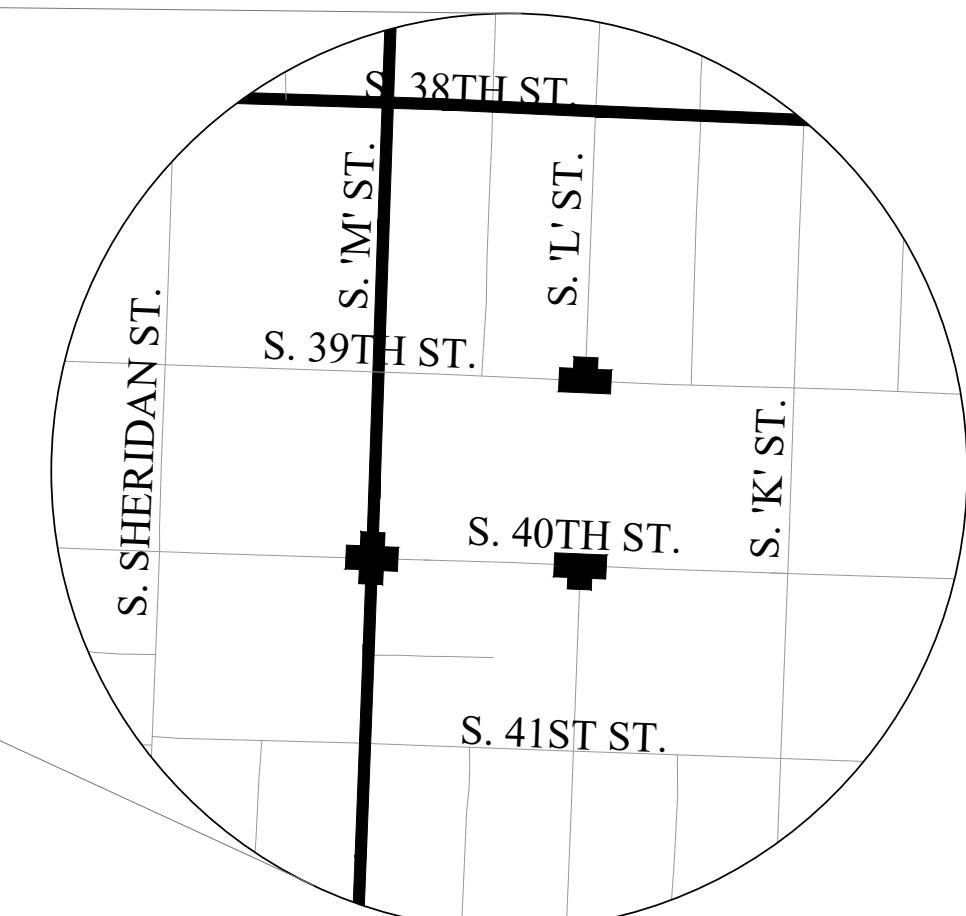
LOCATION A:
EDISON ELEMENTARY SCHOOL



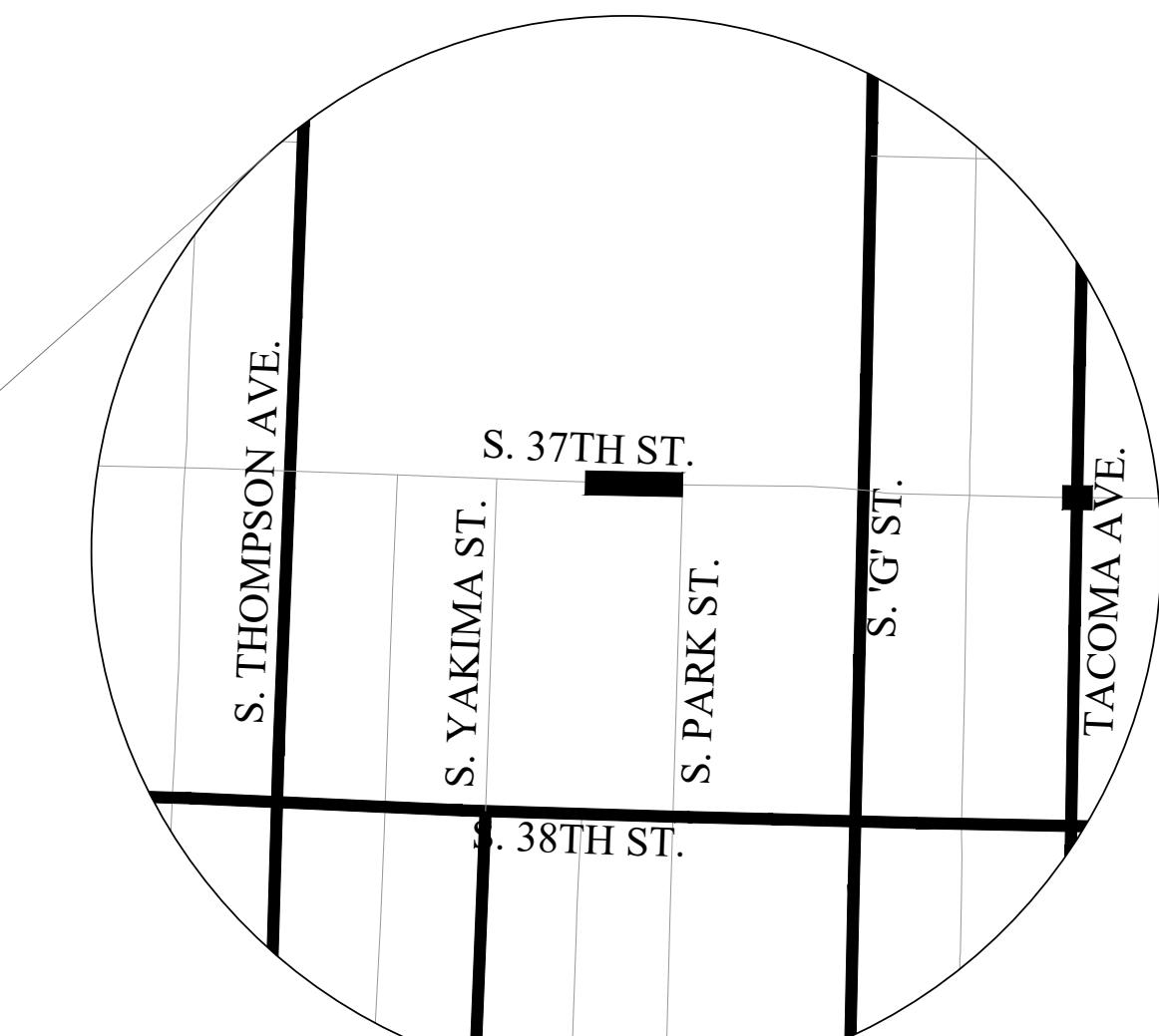
0574331

| INDEX OF DRAWINGS | | |
|-------------------|-----------|-----------------------------|
| SHEET | SHEET NO. | TITLE OF DRAWINGS |
| CS-1 | 1 | COVER SHEET |
| S-1 | 2 | SYMBOL SHEET |
| HC-1 | 3 | HORIZONTAL CONTROL |
| D-1 - D-3 | 4 - 6 | CROSS SECTION/DETAIL |
| RS-1 | 7 | DEMOLITION PLANS |
| C-1 - C-5 | 8 - 12 | CONSTRUCTION PLANS |
| IRP-1 - IRP-8 | 13 - 20 | INTERSECTION & RAMP DETAILS |
| CH-1 - CH-3 | 21 - 23 | CHANNELIZATION PLANS |
| SG-1 - SG-2 | 24 - 25 | SIGNAL PLANS |

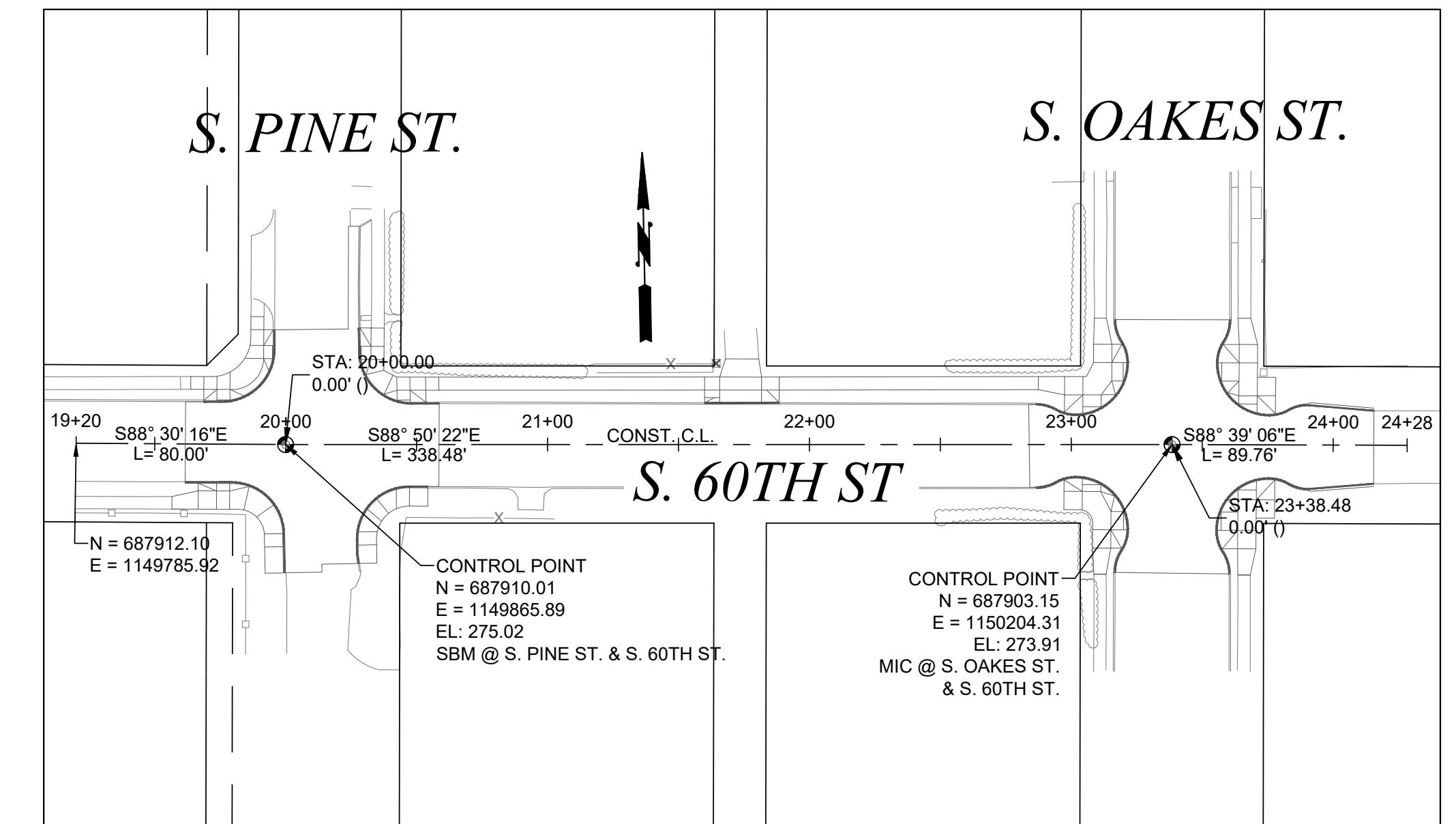
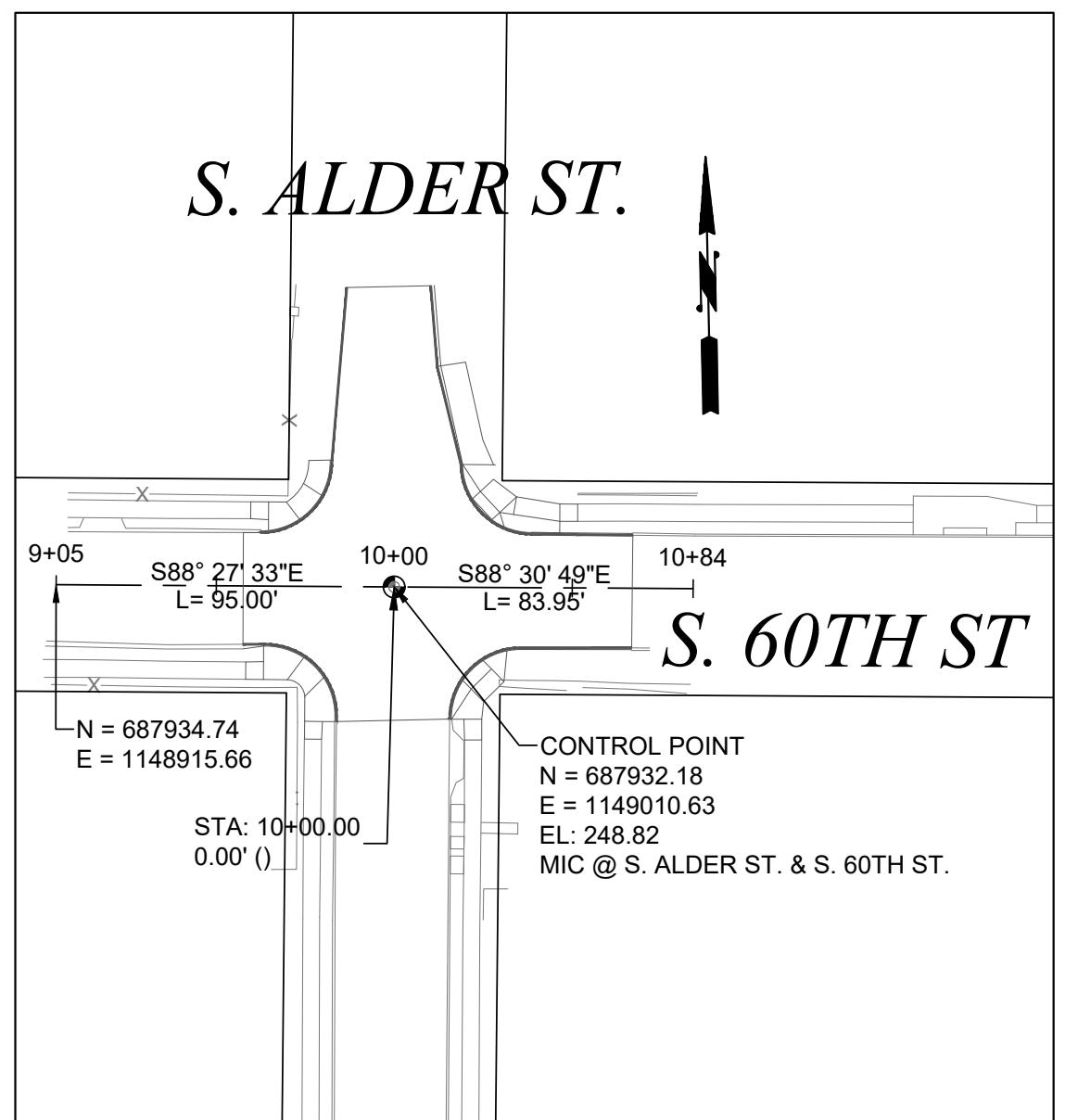
LOCATION C:
LINCOLN HIGH SCHOOL



LOCATION B:
WHITMAN ELEMENTARY SCHOOL



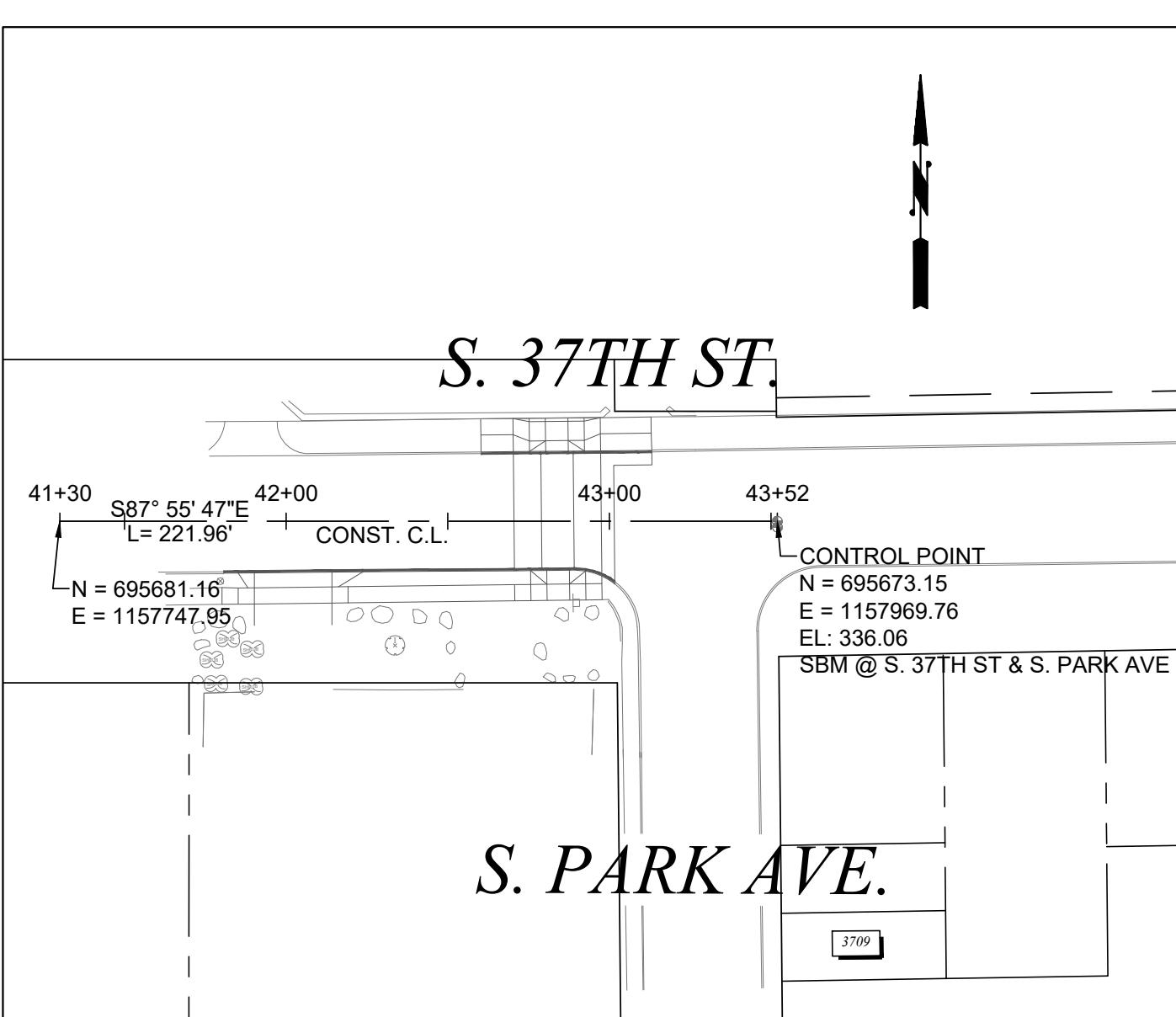
EDISON ELEMENTARY SCHOOL



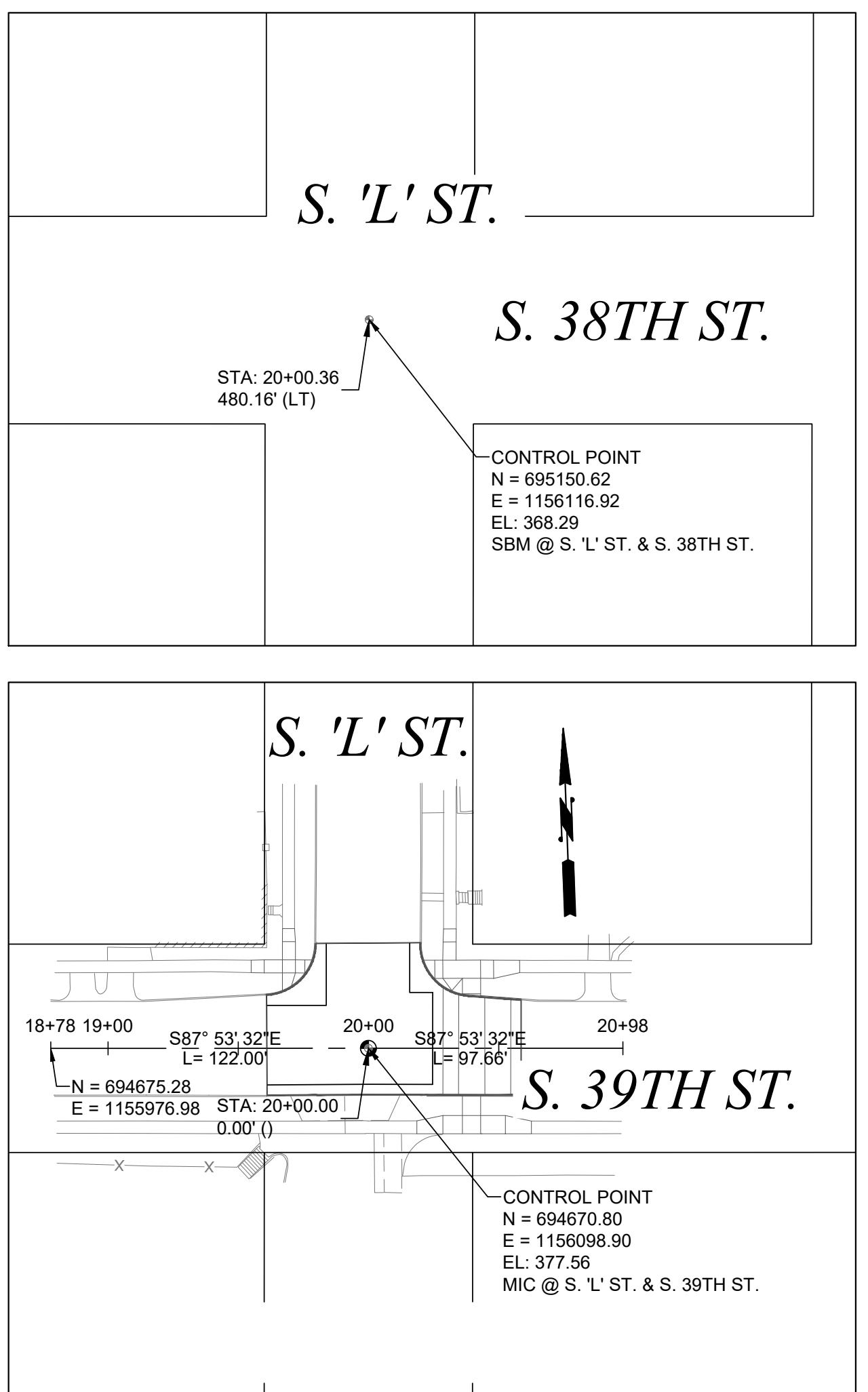
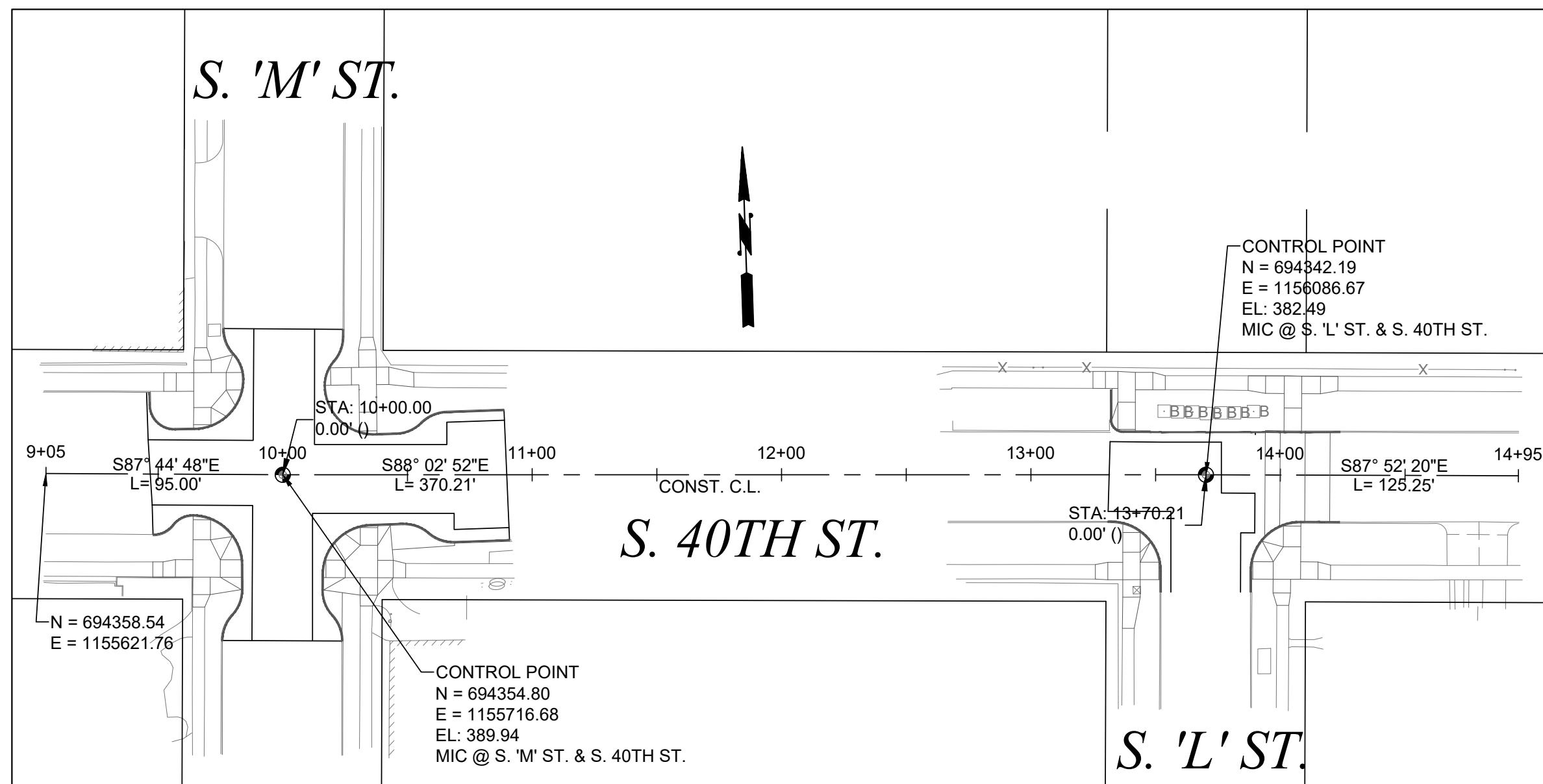
CITY OF TACOMA

BASIS OF BEARINGS: ASSUMED HELD LINE BETWEEN CASED MONUMENT AT INTERSECTION OF SOUTH 39TH STREET AND 'L' STREET AND THE CASED MONUMENT AT INTERSECTION OF SOUTH 40TH STREET AND 'L' STREET
BEARING = SOUTH 02°-07'-49 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA BENCHMARK #867, SURFACE BRASS DISK AT INTERSECTION OF SOUTH 48TH & 'K' STREET (TO THE SOUTH)
ELEV=392.10

SCALE IN FEET



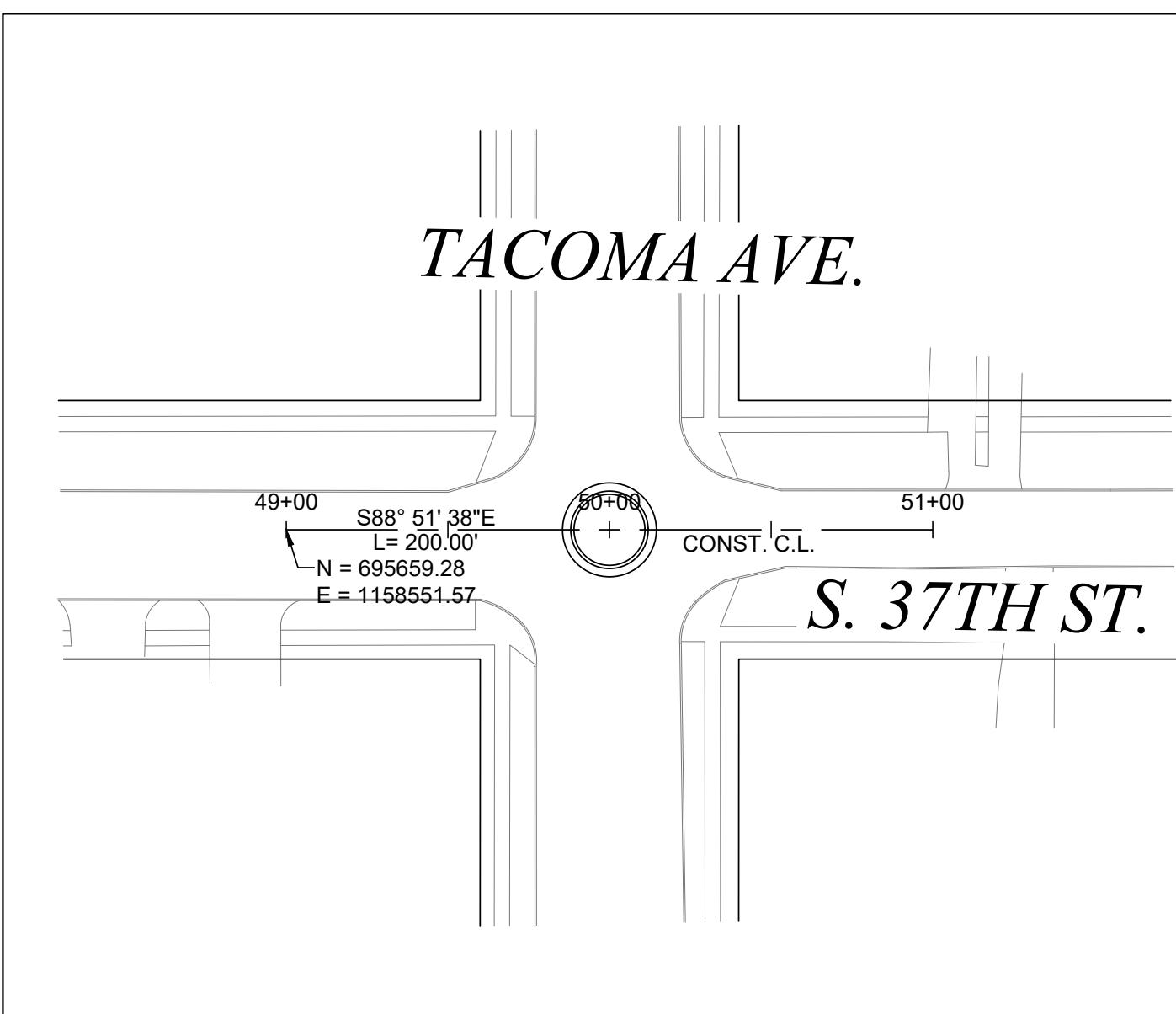
WHITMAN ELEMENTARY SCHOOL



CITY OF TACOMA

BASIS OF BEARINGS: ASSUMED HELD LINE BETWEEN SURFACE BRASS DISK @ INTERSECTION OF S. 56TH ST & PINE ST AND THE SURFACE BRASS DISK @ INTERSECTION OF S. 60TH ST & PINE ST.
BEARING = SOUTH 1°-15'-14 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA BENCHMARK #1002, SURFACE BRASS DISK (NORTH) @ INTERSECTION OF S. 56TH & PINE ST.
ELEV=288.34

SCALE IN FEET

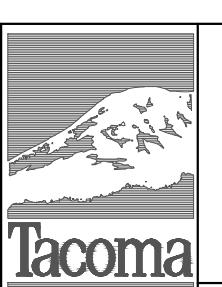


CITY OF TACOMA

BASIS OF BEARINGS: ASSUMED HELD THE MONUMENT LINE BETWEEN THE SURFACE BRASS DISK (NORTH) NEAR INTERSECTION OF SOUTH 37TH & SOUTH PARK AVENUE AND THE SURFACE BRASS DISK AT THE INTERSECTION OF SOUTH 37TH STREET & SOUTH YAKIMA AVENUE
BEARING = NORTH 87°-55'-46 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA PUBLISHED BENCHMARK #564 SURFACE BRASS DISK AT INTERSECTION OF SOUTH 35TH STREET & 'J' STREET
ELEVATION=334.92

SCALE IN FEET

CALL BEFORE YOU DIG
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE.
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING,
POTHOLING AND AVOIDING ALL EXISTING UTILITIES.
CALL TWO BUSINESS DAYS BEFORE YOU DIG
(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED
BY

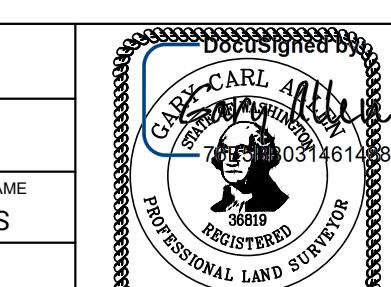
DESIGNED
DRAWN

CHECKED
DCS
EJB

PROJECT NAME
SRTS

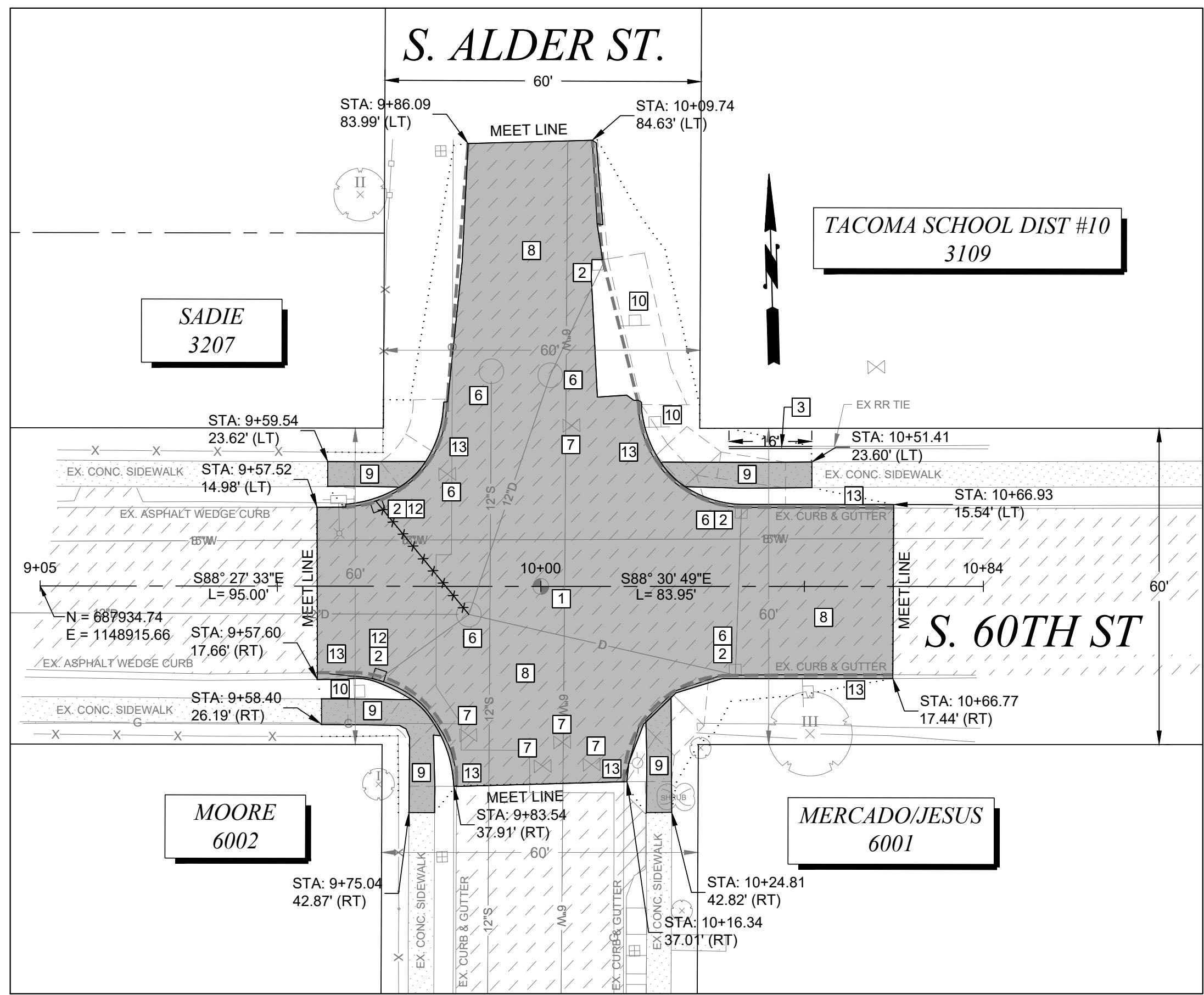
FIELD BOOKS

DRAWING NAME
SRTS_HZ-CTL.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
HORIZONTAL CONTROL PLAN
EDISON/WHITMAN ELEMENTARY SCHOOL
AND LINCOLN HIGH SCHOOL

PWK-01034
SHEET NO. 3
SHEET HC-1 OF HC-1



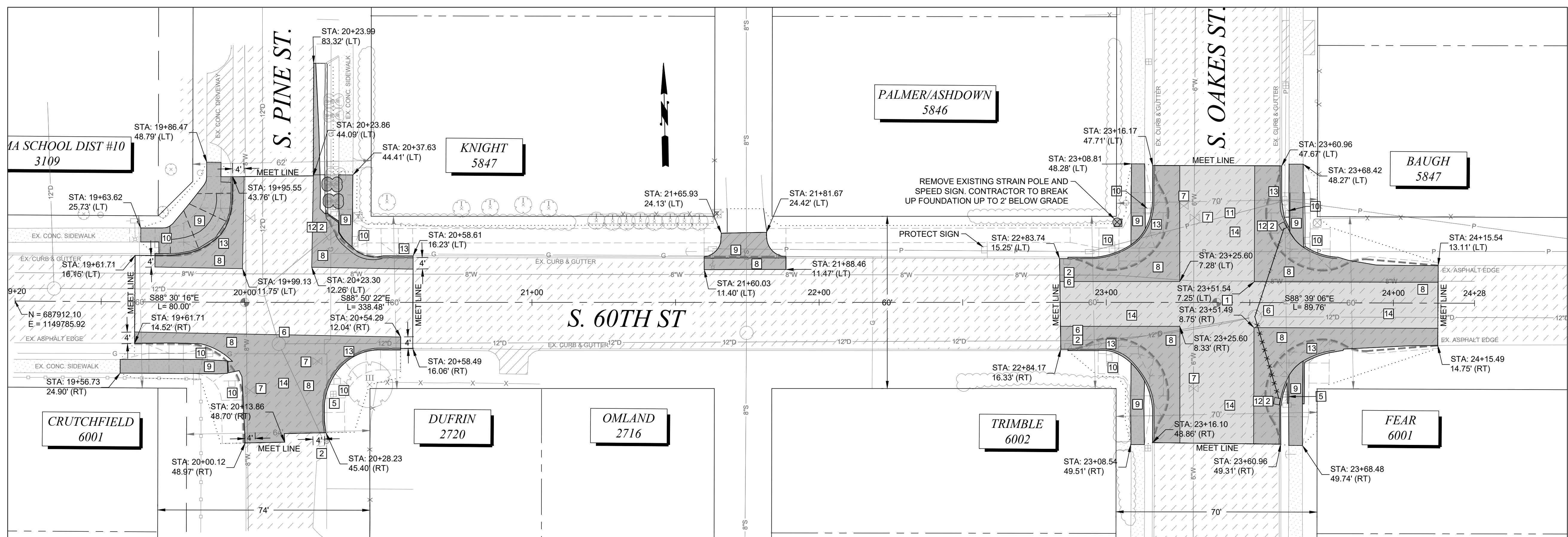
- DEMOLITION NOTES**
- CITY OF TACOMA WILL PREPARE & SUBMIT WA DEPT. OF NATURAL RESOURCES APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT. CONTRACTOR TO REMOVE MONUMENT COMPLETELY TO INSURE SUITABLE INSTALLATION OF STANDARD SURFACE BRASS DISK PER COT STANDARD PLAN SU-01
 - PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
 - TO BE REMOVED
 - TO BE ADJUSTED BY OTHERS
 - TO BE RELOCATED BY OTHERS
 - ADJUST TO GRADE PER SPECIFICATION 7-05
 - ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
 - REMOVE EXISTING ASPHALT PER SPECIFICATION SECTION 2-14.
 - REMOVE CLASS 'C6' PAVEMENT PER SPECIFICATION SECTION 2-14.
 - REMOVE EXISTING SIGNAGE AND POST. SIGNS SHALL BE RETURNED TO CITY OF TACOMA'S STREET OPERATIONS
 - CONTRACTOR SHALL COORDINATE REMOVAL OF OVERHEAD "CROSSWALK" SIGN AND SPANWIRE WITH CITY OF TACOMA TRAFFIC MAINTENANCE SHOP AT (253)591-5287
 - REMOVE EXISTING CATCH BASIN
 - REMOVE EXISTING CURB AND GUTTER
 - PLANE 2" BITUMINOUS PAVEMENT

GENERAL NOTES:

- ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.
- ADJUSTING STRUCTURES SUCH AS MANHOLES AND VALVE CHAMBERS SHALL BE DONE PER C.O.T. STANDARD DETAIL SU-25 AND SU-37.
- 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.



20 0 20 40 60
SCALE IN FEET

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



NO

REVISION

DATE APPD

FINAL CONSTRUCTION CHECKED
BY DATE

DESIGNED
DRAWN
FIELD BOOKS

CHECKED
DCS
PROJECT NAME
EJB SRTS

DRAWING NAME

FB 4210

SRTS_EDISON_DEMO.DWG

5/1/2023
57139
PROFESSIONAL ENGINEER
STATE OF WASHINGTON
S7FC2520C1

DocSigned by:
Chris Larson
ENGINEERING FOR HANCOCK

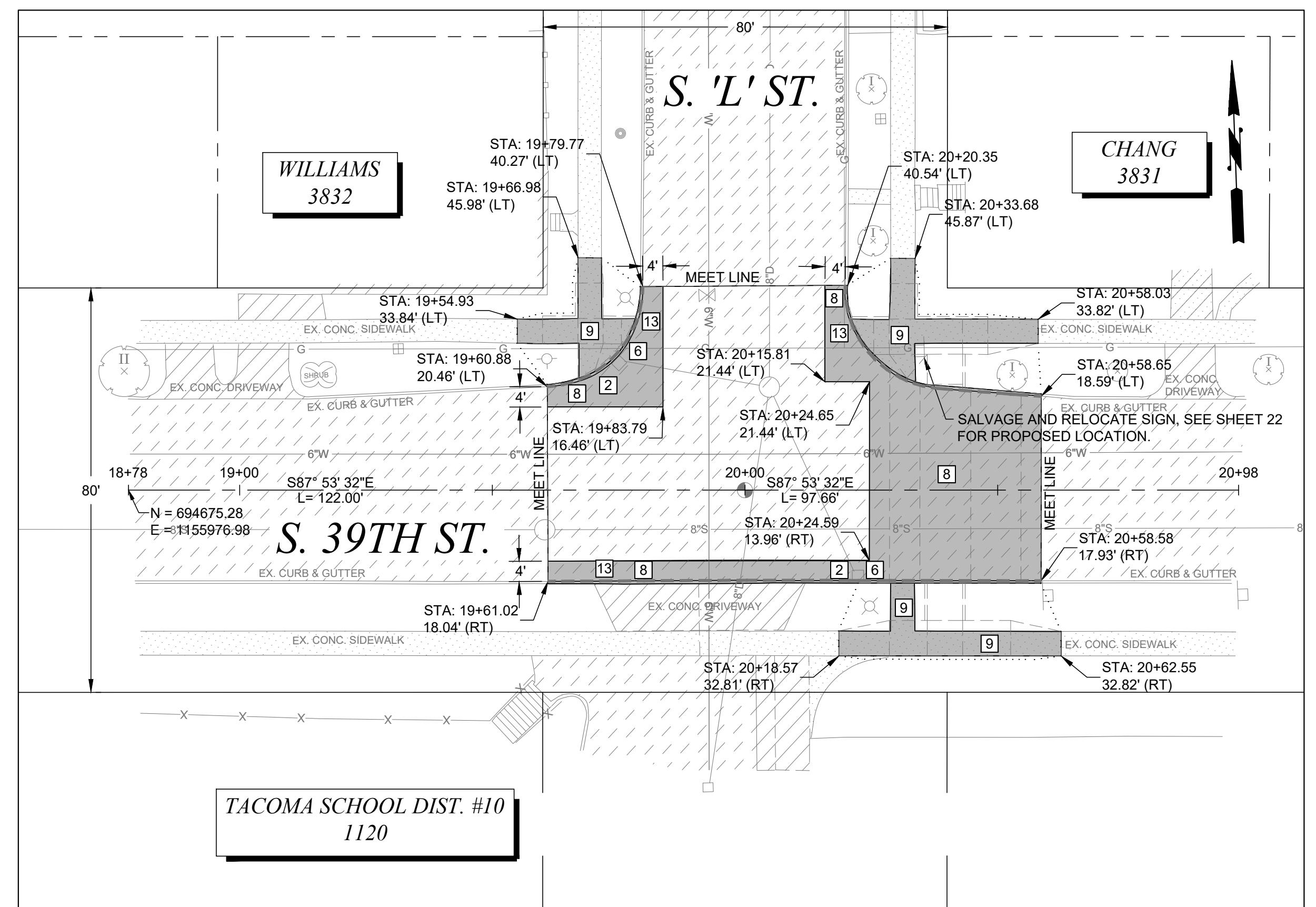
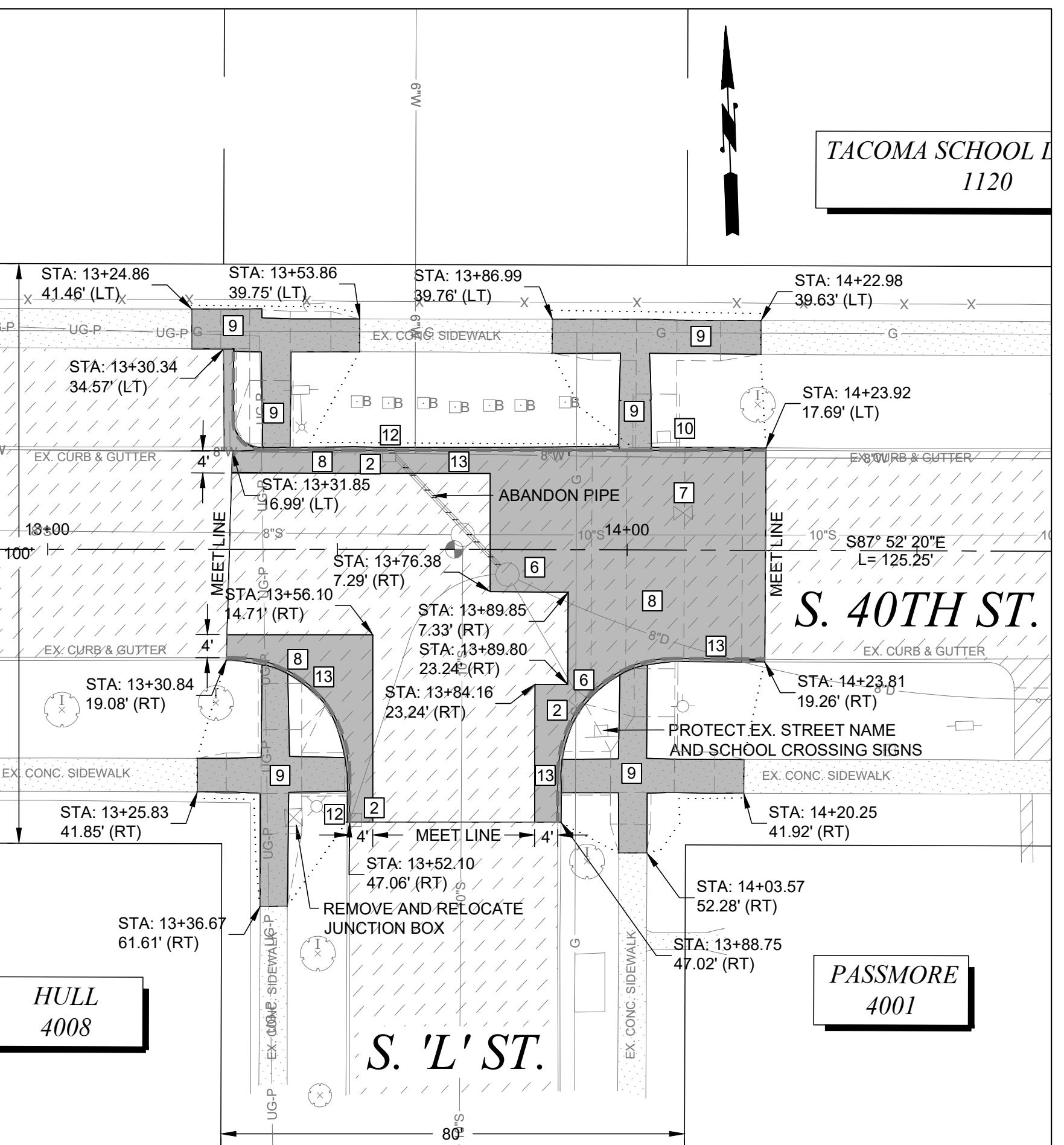
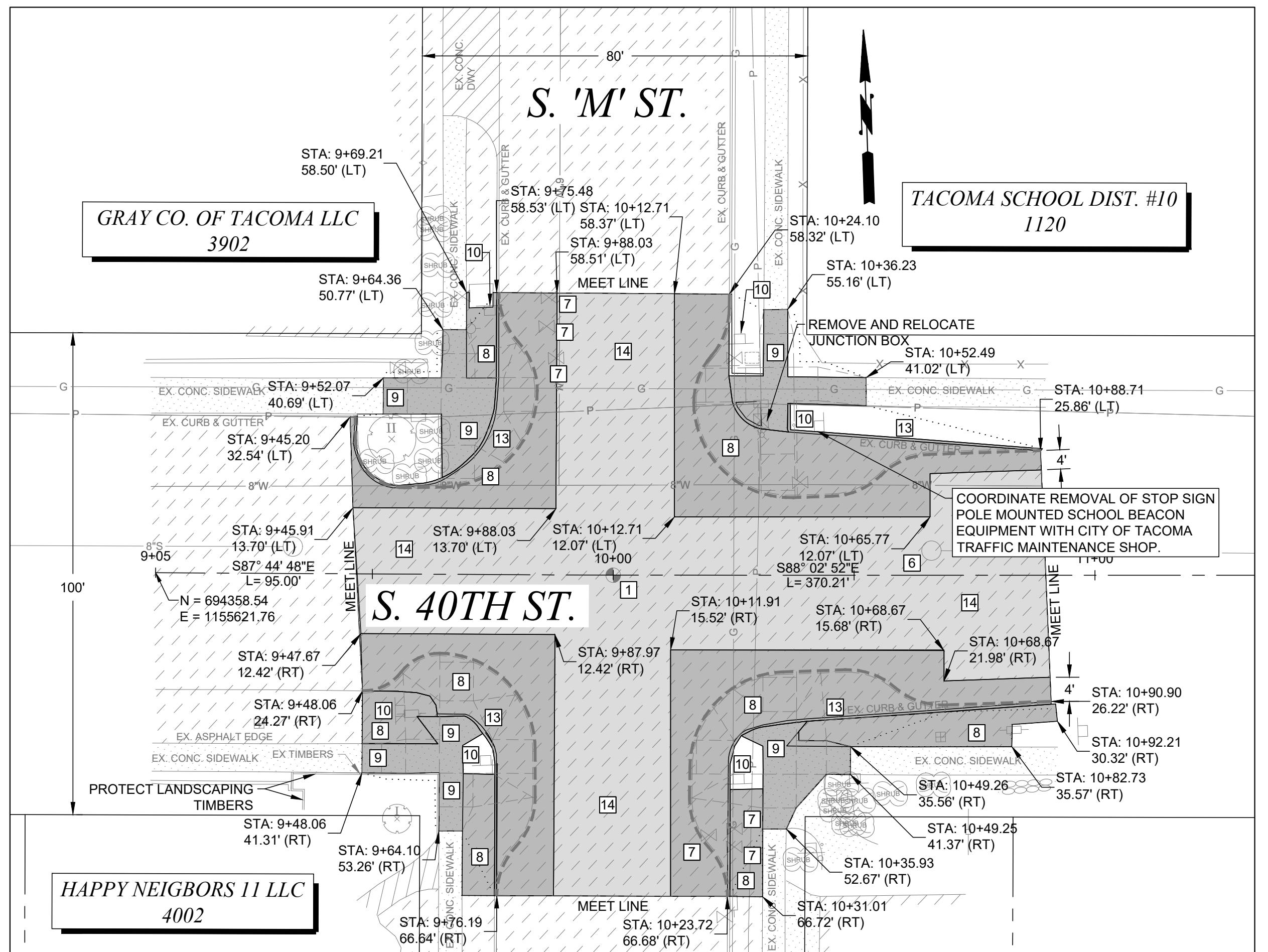
5/1/2023
57139
PROFESSIONAL ENGINEER
STATE OF WASHINGTON
S7FC2520C1

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PROFESSIONAL ENGINEER
STATE OF WASHINGTON
S7FC2520C1

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PROFESSIONAL ENGINEER
STATE OF WASHINGTON
S7FC2520C1

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
DEMOLITION PLANS
EDISION ELEMENTARY SCHOOL
VARIOUS INTERSECTIONS

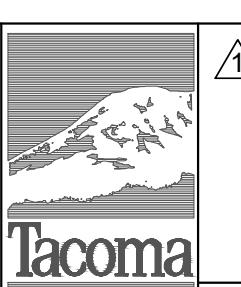
PWK-01034
SHEET NO. 4
D-1 OF D-3



CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
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(1-800-424-5555) OR VISIT ONLINE



ADDEN

1

REVISION

| | | | | | | | |
|--|------|------|---|-----------------------|--------------|---|--|
| | | | FINAL CONSTRUCTION CHECKED BY DATE | DATE | SCALE |  | |
| | | | | JAN 2023 | 1" = 20' | | |
| | | | | DESIGNED | CHECKED | | |
| | | | | BCW | DCS | | |
| | | | | DRAWN | PROJECT NAME | | |
| | | | | EJB | SRTS | | |
| | | | FIELD BOOKS | DRAWING NAME | | | |
| | | | FB 4210 | SRTS_WHITMAN_DEMO.DWG | | | |
| | DATE | APPD | | | | | |
| | | | | | | | |

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

cuSigned by:
Mis Larson

DEMOLITION PLANS
WHITMAN ELEMENTARY SCHOOL
VARIOUS INTERSECTIONS

PWK-01034

DEMOLITION NOTES

- CITY OF TACOMA WILL PREPARE & SUBMIT WA DEPT. OF NATURAL RESOURCES APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT.

CONTRACTOR TO REMOVE MONUMENT COMPLETELY TO INSURE SUITABLE INSTALLATION OF STANDARD SURFACE BRASS DISK PER COT STANDARD PLAN SU-01

PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES

TO BE REMOVED

TO BE ADJUSTED BY OTHERS

TO BE RELOCATED BY OTHERS

ADJUST TO GRADE PER SPECIFICATION 7-05

ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37

REMOVE EXISTING ASPHALT PER SPECIFICATION SECTION 2-14.

REMOVE CLASS 'C6' PAVEMENT PER SPECIFICATION SECTION 2-14.

REMOVE EXISTING SIGNAGE AND POST. SIGNS SHALL BE RETURNED TO CITY OF TACOMA'S STREET OPERATIONS

CONTRACTOR SHALL COORDINATE REMOVAL OF OVERHEAD "CROSSWALK" SIGN AND SPANWIRE WITH CITY OF TACOMA TRAFFIC MAINTENANCE SHOP AT (253)591-5287

REMOVE EXISTING CATCH BASIN

REMOVE EXISTING CURB AND GUTTER

PLANE 2" BITUMINOUS PAVEMENT

GENERAL NOTES:

- ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.
 - ADJUSTING STRUCTURES SUCH AS MANHOLES AND VALVE CHAMBERS SHALL BE DONE PER C.O.T. STANDARD DETAIL SU-25 AND SU-37.
 - 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

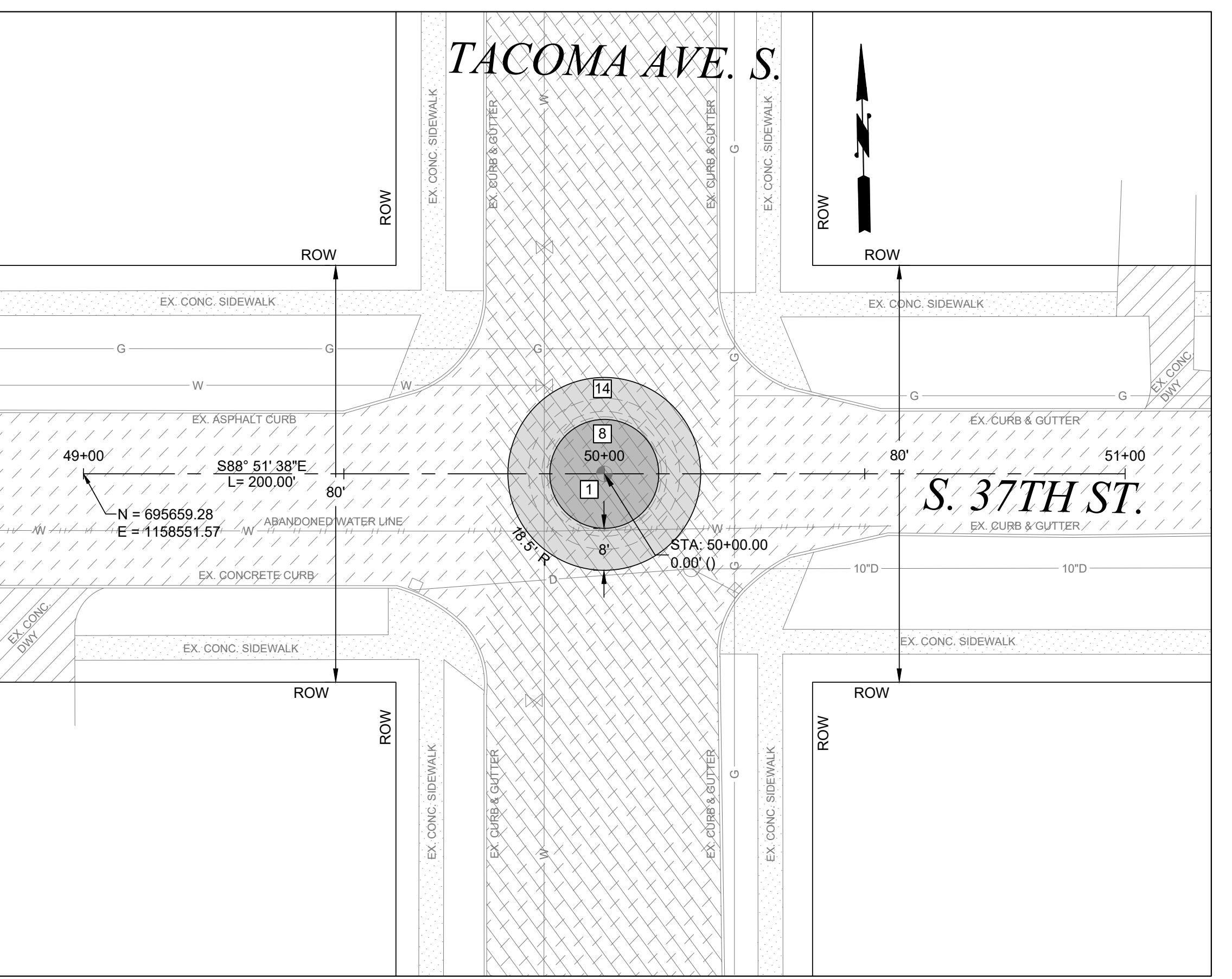
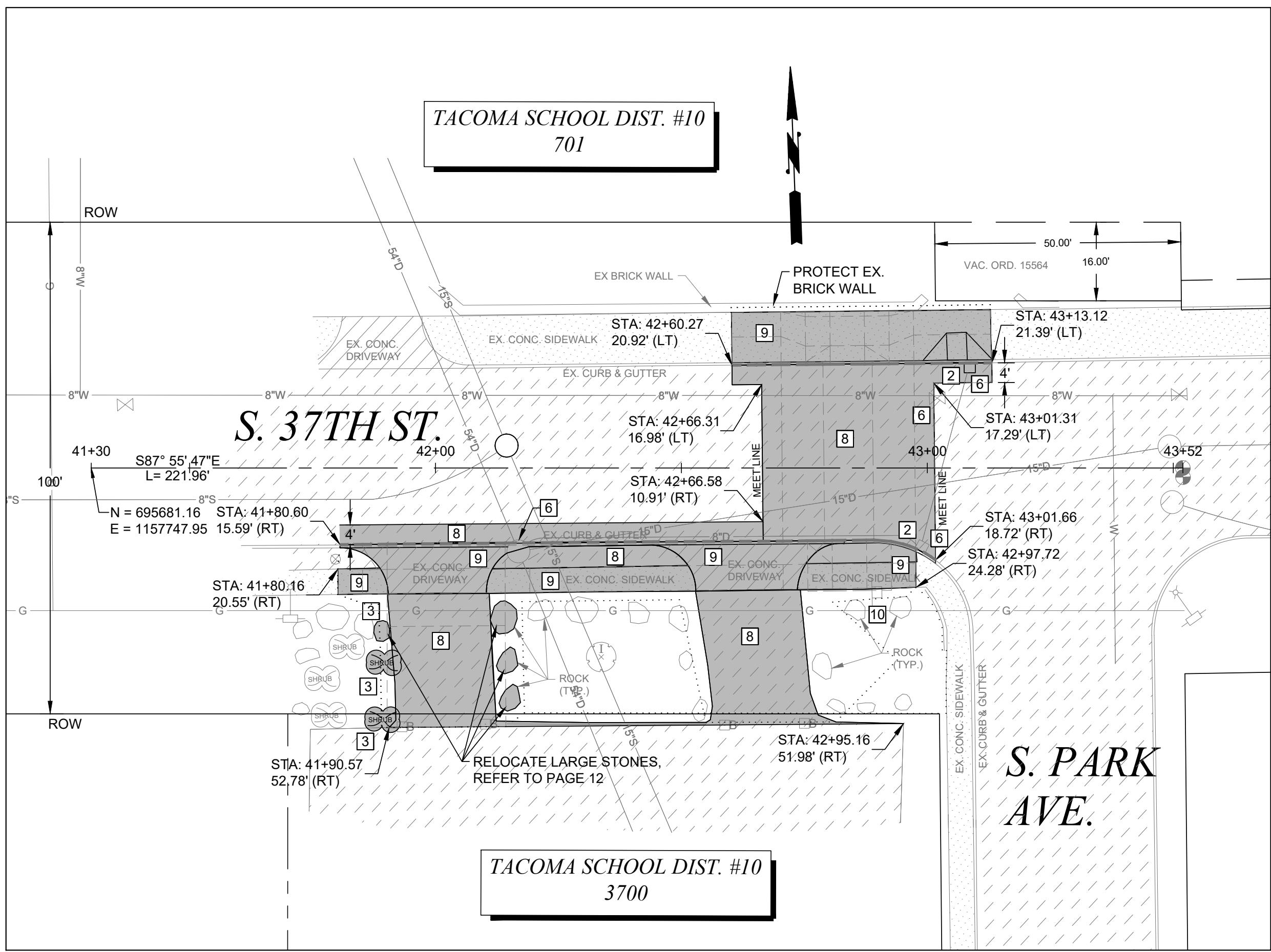
UTILITIES SHOWN ARE FROM SUB-CONSULTANT SURVEY AND CITY OF TACOMA GIS INFORMATION AND MAY NOT BE REPRESENTATIVE OF ACTUAL LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THROUGH UTILITY LOCATE SERVICES, UTILITY AS-BUILT DRAWINGS, RECORD DRAWINGS AND POTHOLING THE HORIZONTAL AND VERTICAL LOCATION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



DATUM

BASIS OF BEARINGS: ASSUMED HELD LINE
BETWEEN SURFACE BRASS DISK @
INTERSECTION OF S. 58TH ST & PINE ST.
AND THE SURFACE BRASS DISK @
INTERSECTION OF S. 60TH ST & PINE ST.
BEARING = SOUTH 1-15-14 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY
CITY OF TACOMA BENCHMARK #1002,
SURFACE BRASS DISK (NORTH) @
INTERSECTION OF S. 56TH & PINE ST.
ELEV=288.34

ITY OF
ACOMA



- DEMOLITION NOTES**
- [1] CITY OF TACOMA WILL PREPARE & SUBMIT WA DEPT. OF NATURAL RESOURCES APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT. CONTRACTOR TO REMOVE MONUMENT COMPLETELY TO INSURE SUITABLE INSTALLATION OF STANDARD SURFACE BRASS DISK PER COT STANDARD PLAN SU-01
 - [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 EXISTING ASPHALT PER SPECIFICATION SECTION 2-14.
 - [9] REMOVE CLASS 'C6' PAVEMENT PER SPECIFICATION SECTION 2-14.
 - [10] REMOVE EXISTING SIGNAGE AND POST SIGNS SHALL BE RETURNED TO CITY OF TACOMA'S STREET OPERATIONS
 - [11] CONTRACTOR SHALL COORDINATE REMOVAL OF OVERHEAD "CROSSWALK" SIGN AND SPANWIRE WITH CITY OF TACOMA TRAFFIC MAINTENANCE SHOP AT (253)591-5287
 - [12] REMOVE EXISTING CATCH BASIN
 - [13] REMOVE EXISTING CURB AND GUTTER
 - [14] PLANE 2" BITUMINOUS PAVEMENT

GENERAL NOTES:

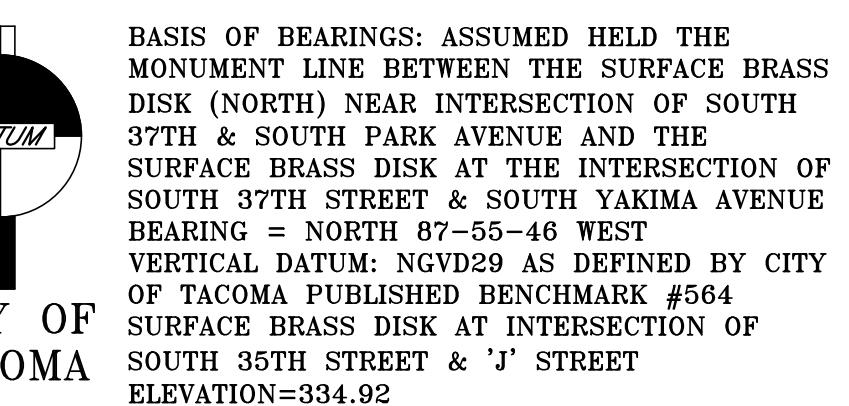
1. ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.

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.

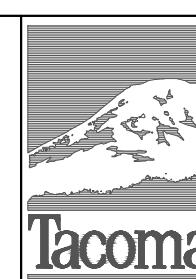
UTILITY NOTE:

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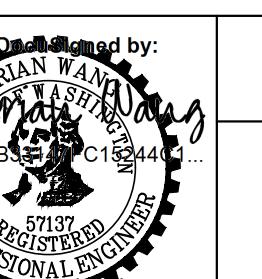
20 0 20 40 60
SCALE IN FEET

CALL BEFORE YOU DIG
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NO REVISION

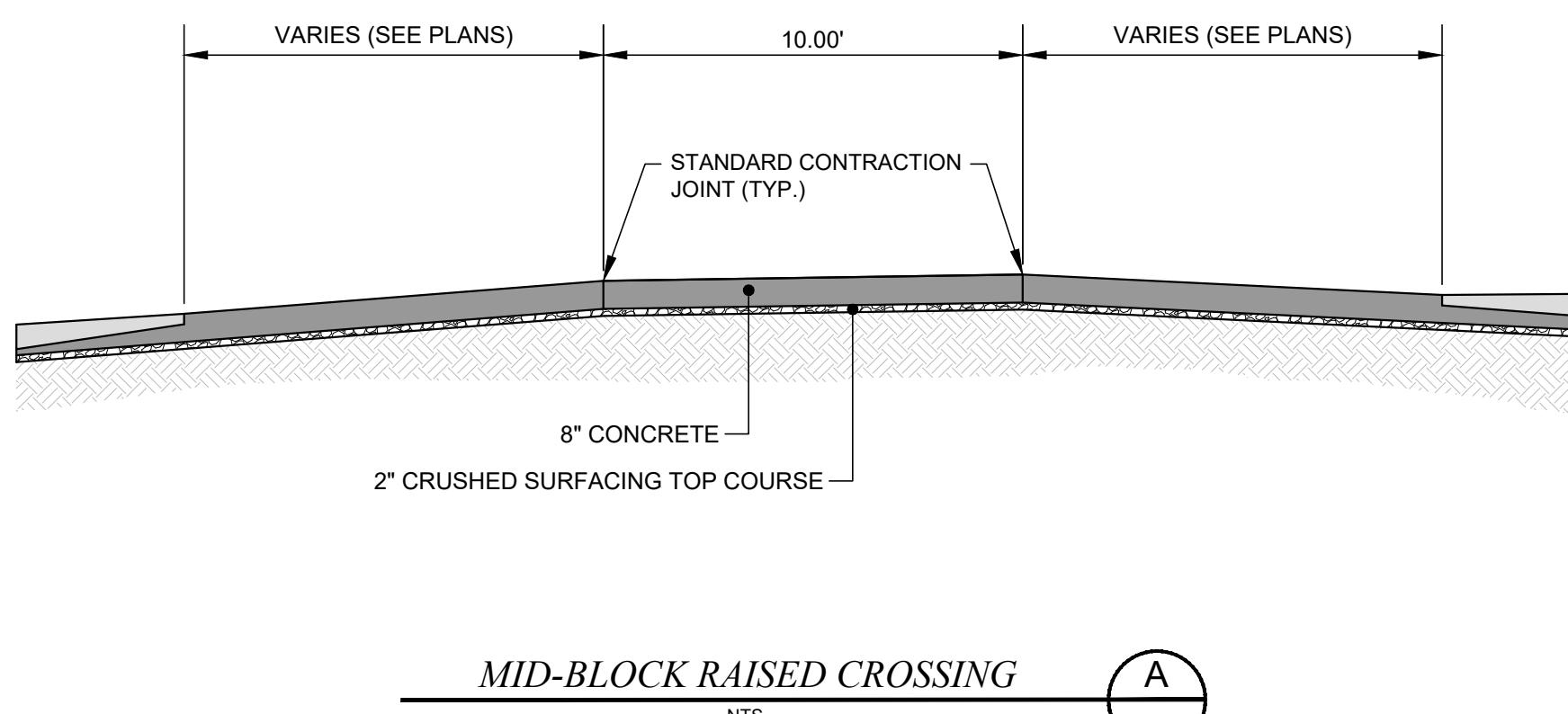
| FINAL CONSTRUCTION CHECKED | DATE | SCALE |
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| BY DATE | JAN 2023 | 1" = 20' |
| DESIGNED | CHECKED | |
| BCW | DCS | |
| DRAWN | PROJECT NAME | |
| EJB | SRTS | |
| FIELD BOOKS | DRAWING NAME | |
| FB4212 | SRTS_LINCOLN_DEMO.DWG | |



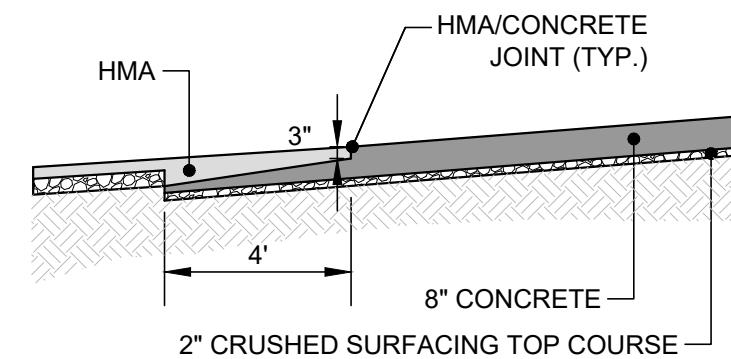
DocuSigned by:
Chris Larson
Chris Larson
Engineering Division Manager

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
DEMOLITION PLAN
LINCOLN HIGH SCHOOL
AT INTERSECTION OF S. 37TH ST. & S. PARK AVE.

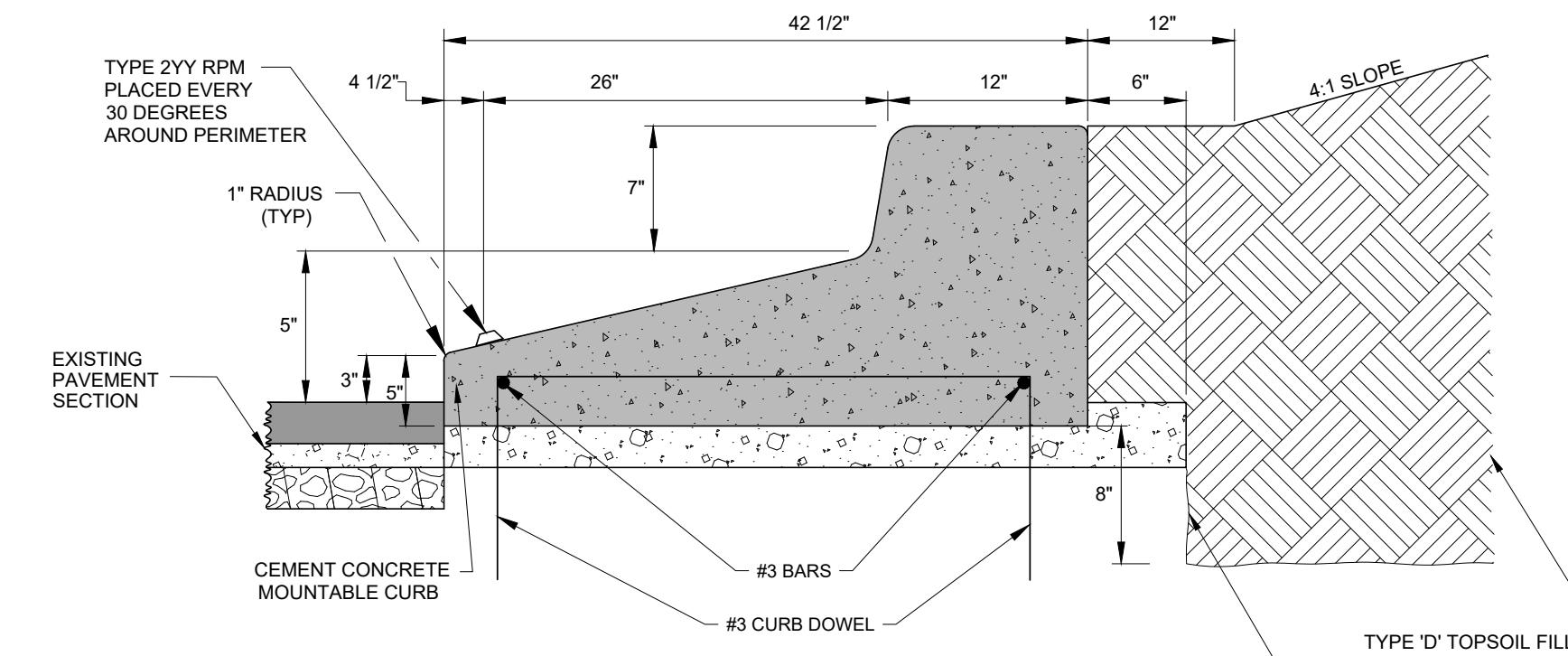
PWK-01034
SHEET NO. 6
D-3 OF D3



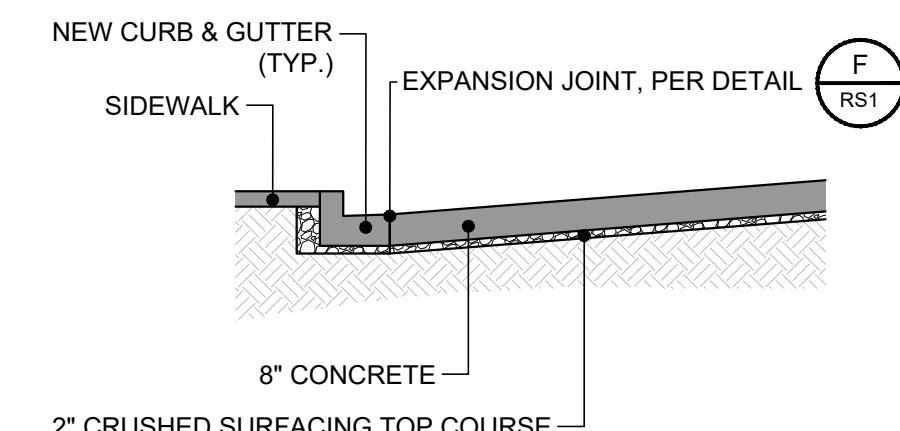
MID-BLOCK RAISED CROSSING



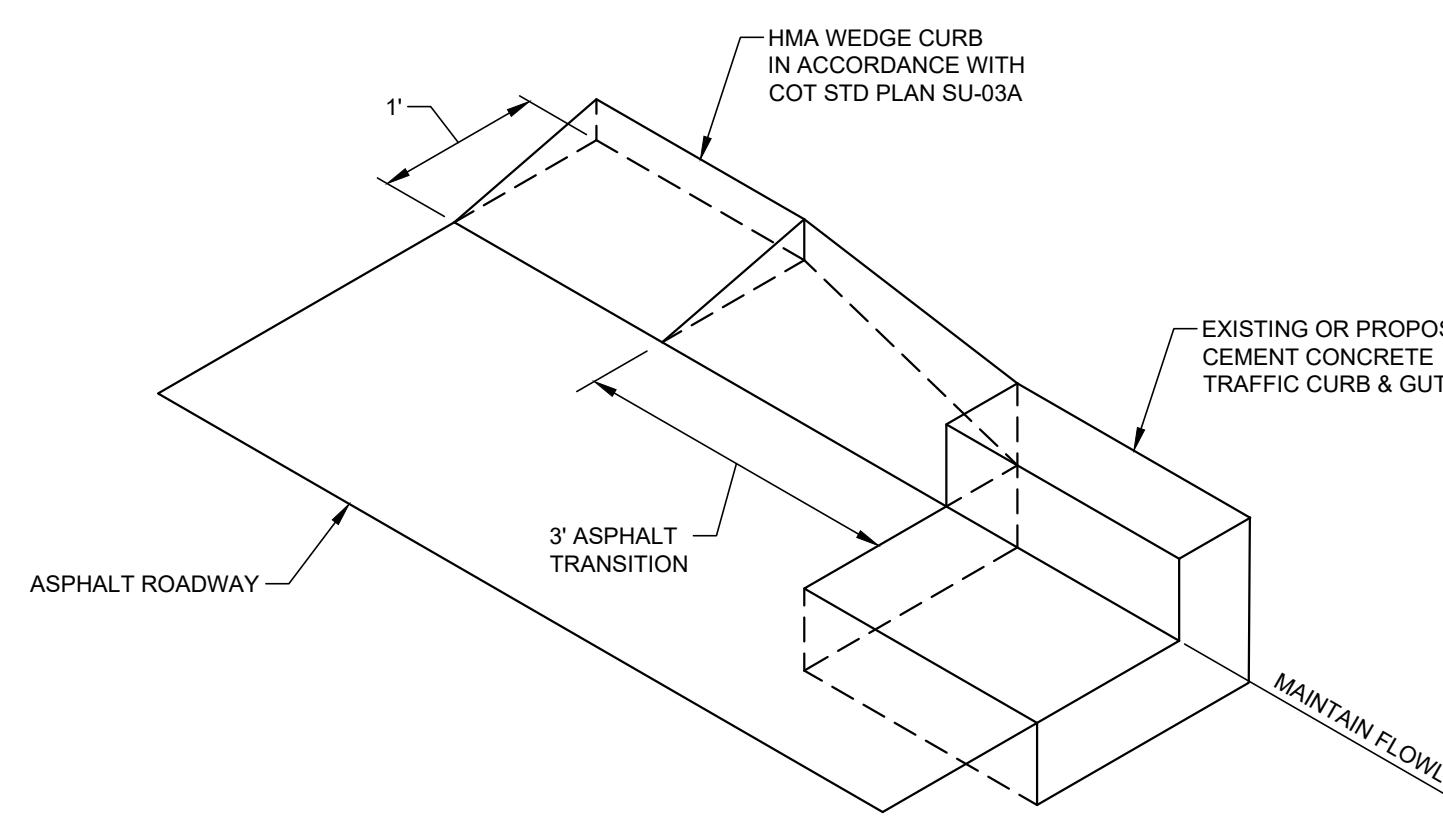
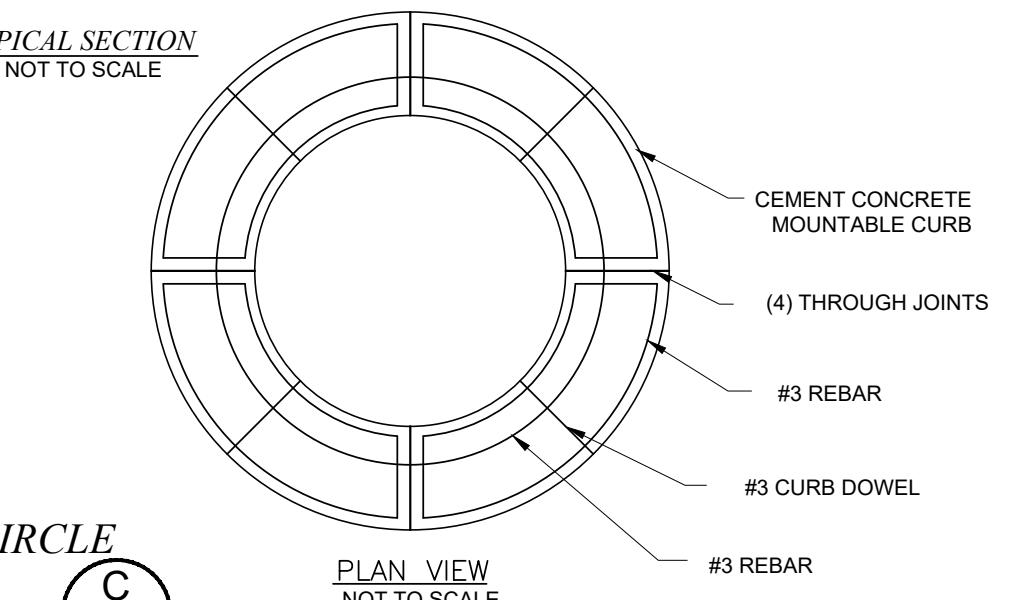
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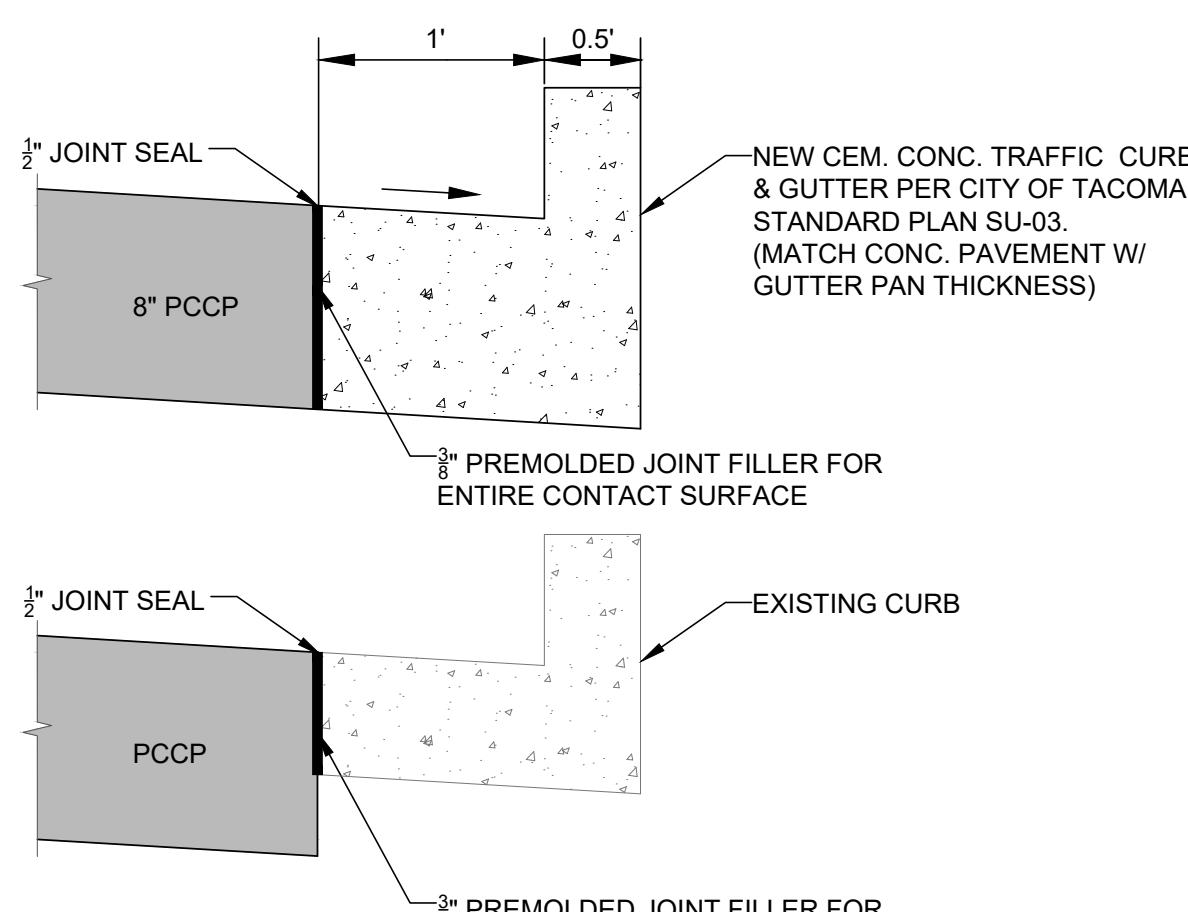
TYPICAL SECTION



*RAISED CROSSING
CURB DETAIL TYP. SECTION*



CURB TRANSITION
CEMENT CONCRETE TRAFFIC CURB & GUTTER
TO ASPHALT WEDGE CURB 



*EXPANSION JOINT
@ CONCRETE CURB & GUTTE*

CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
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POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG
(1-800-424-5555) OR VISIT ONLINE



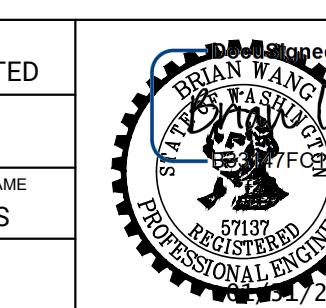
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|--|------|------|--|------------------|--------------------------------|
| | | | FINAL CONSTRUCTION CHECKED BY DATE | DATE JAN 2023 | SCALE AS NO |
| | | | | DESIGNED BCW | CHECKED DCS |
| | | | | DRAWN EJB | PROJECT N SRT |
| | | | | FIELD BOOKS | DRAWING NAME SRTS_X_SEC.DWG |
| | DATE | APPD | | | |



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

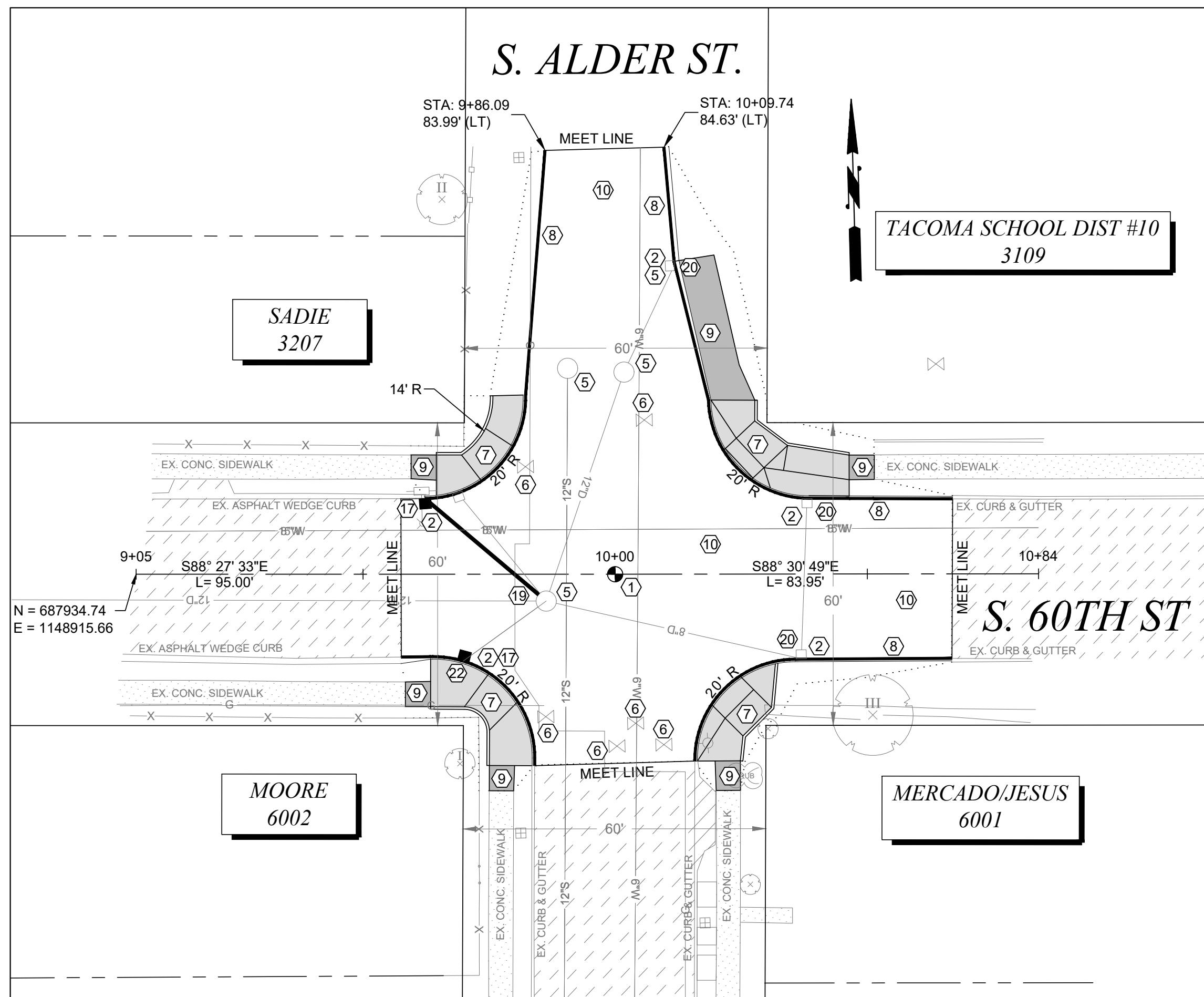
PUBLIC WORKS

ROAD DETAILS

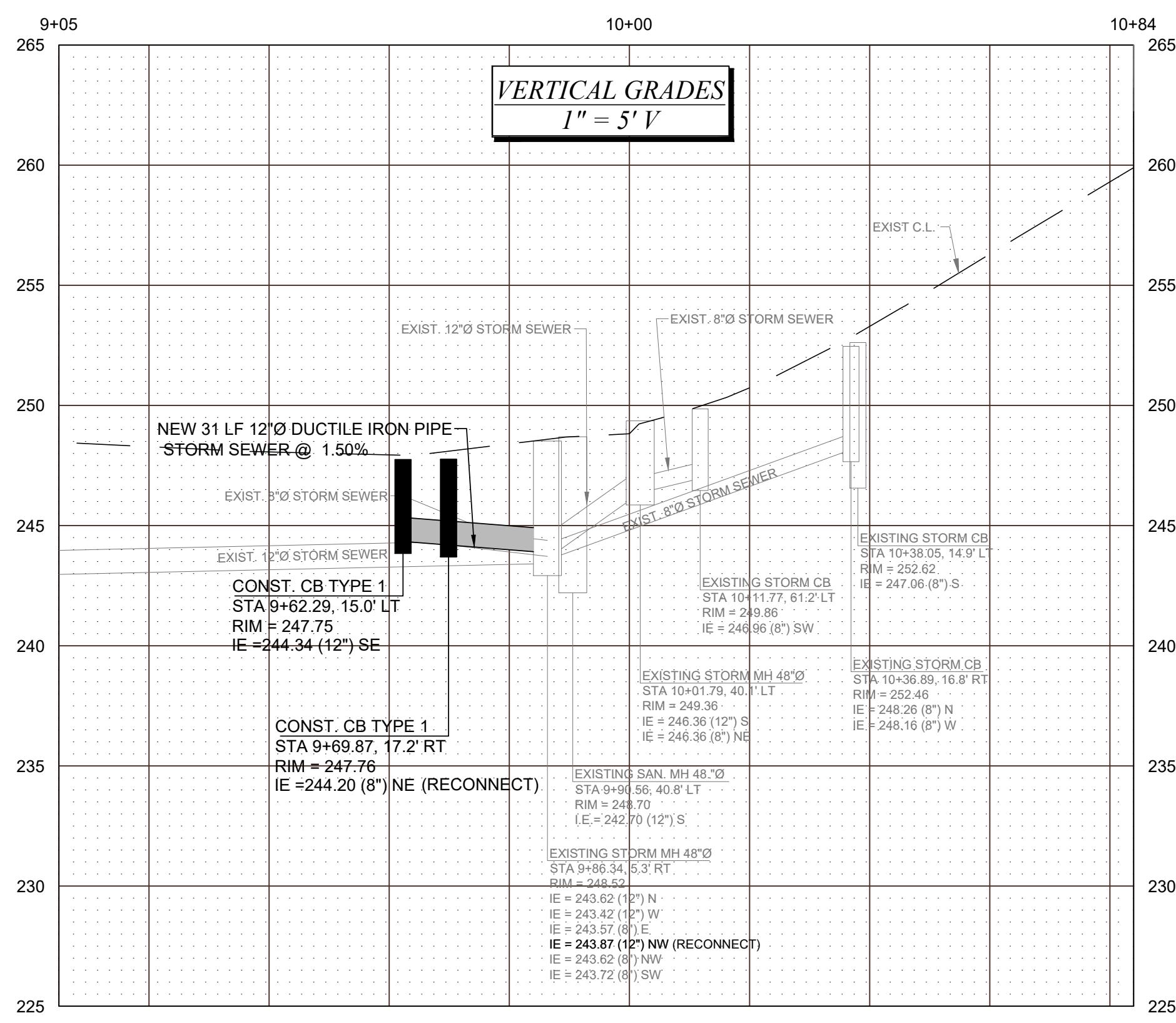
SAFE ROUTES TO SCHOOL

VARIOUS LOCATIONS

PWK-01034
SHEET NO. 7
SHEET RS-1 OF RS-1



- CONSTRUCTION NOTES**
- ① CONTRACTOR TO INSTALL BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01. CITY TO FURNISH BRASS DISK.
 - 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 MANHOLE TO GRADE, FURNISH NEW RING AND COVER
 - ⑥ ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
 - ⑦ CONSTRUCT CEMENT CONCRETE CURB RAMPS 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 PLACE 3 INCH HMA CL ½ INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE OVER 5" CSBC
 - ⑪ CONSTRUCT CONCRETE ROAD PAVEMENT IN ACCORDANCE TO CONCRETE ROAD SECTION DETAIL, STANDARD PLANS AND SPECIFICATIONS SECTION 5-05.
 - ⑫ GRADE FOR POSITIVE DRAINAGE AND PLACE 2" INCH CRUSHED SURFACING TOP COURSE
 - ⑬ NOT USED
 - ⑭ NOT USED
 - ⑮ NOT USED
 - ⑯ NOT USED
 - ⑰ CONSTRUCT CB TYPE 1
 - ⑱ CONSTRUCT CB TYPE 2
 - ⑲ CONNECT NEW PIPE TO EXISTING STRUCTURE
 - ⑳ ADJUST CB FURNISH NEW FRAME AND GRATE
 - ㉑ PLACE 4" HMA OVER 2" CTSC OVER 6" CSBC
 - ㉒ RECONNECT EXISTING PIPE TO NEW STRUCTURE
 - ㉓ GRADE FOR POSITIVE DRAINAGE AND PLACE 2" HMA OVER 2" CTSC.
 - ㉔ OVERLAY 2" OF HMA
 - ㉕ HMA TRANSITION PER HMA TRANSITION DETAIL
 - ㉖ AMEND SOIL IN ACCORDANCE WITH SECTION 8-02 AND CITY OF TACOMA STANDARD PLAN GSI-01B

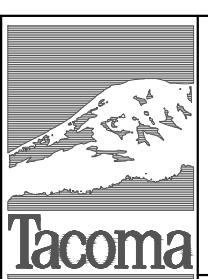


- GENERAL NOTES**
1. CONTRACTOR SHALL PROVIDE ALL SUBMITTALS TO CITY ENGINEER FOR CITY APPROVAL PRIOR TO START OF CONSTRUCTION.
 2. CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING LIGHTING SYSTEM WITH CITY OF TACOMA TRAFFIC MAINTENANCE SHOP AT (253) 591-5287.

BASIS OF BEARINGS: ASSUMED HELD LINE BETWEEN CASED MONUMENT AT INTERSECTION OF SOUTH 39TH STREET AND 'L' STREET AND THE CASED MONUMENT AT INTERSECTION OF SOUTH 40TH STREET AND 'L' STREET
BEARING = SOUTH 02°-07'-49 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA BENCHMARK #867, SURFACE BRASS DISK AT INTERSECTION OF SOUTH 48TH & 'K' STREET (TO THE SOUTH)
ELEV=392.10

20 0 20 40 60
SCALE IN FEET

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY DATE

DESIGNED

CHECKED

SCALE

JAN 2023

1" = 20'

DRAWN

PROJECT NAME

EJB

SRTS

FIELD BOOKS

DRAWING NAME

SRTS_EDISON.CONST.DWG

57139
PROFESSIONAL ENGINEER
2023

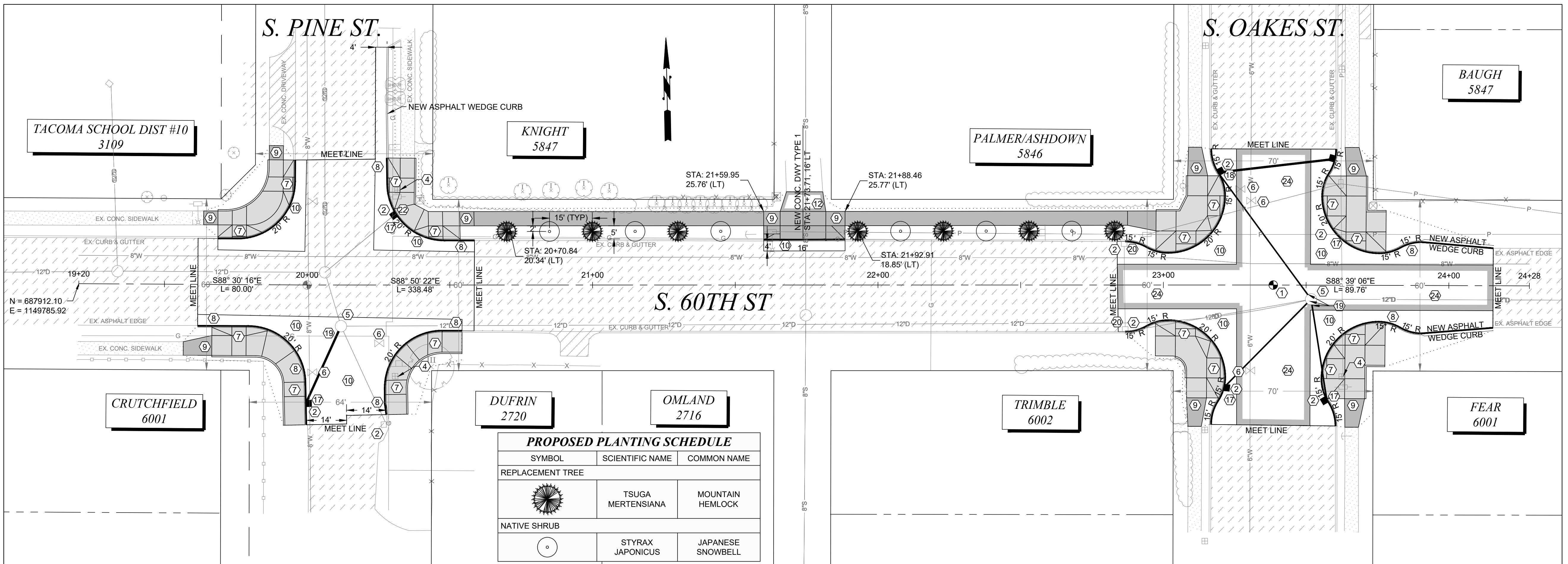
DocSigned by:

Chris Larson
Engineering Division Manager

036675CBP0FF4FA

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION PLAN
EDISON ELEMENTARY SCHOOL
S. 60TH ST & S. ALDER ST

PWK-01034
SHEET NO. 8
C-1 OF C-5



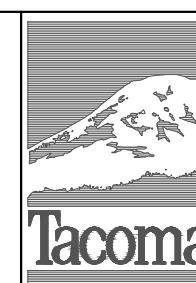
- CONSTRUCTION NOTES**
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 - ③ TO BE ADJUSTED BY OTHERS
 - ④ TO BE RELOCATED BY OTHERS
 - ⑤ ADJUST MANHOLE TO GRADE, FURNISH NEW RING AND COVER
 - ⑥ ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
 - ⑦ CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES
 - ⑧ CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03
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 - ㉕ HMA TRANSITION PER HMA TRANSITION DETAIL
 - ㉖ AMEND SOIL IN ACCORDANCE WITH SECTION 8-02 AND CITY OF TACOMA STANDARD PLAN GSI-01B

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ELEV=392.10

20 0 20 40 60
SCALE IN FEET

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED
BY

DATE JAN 2023
DESIGNED CHECKED
BCW DCS

DRAWN PROJECT NAME
EJB SRTS

FIELD BOOKS DRAWING NAME
SRTS_EDISON.CONST.DWG

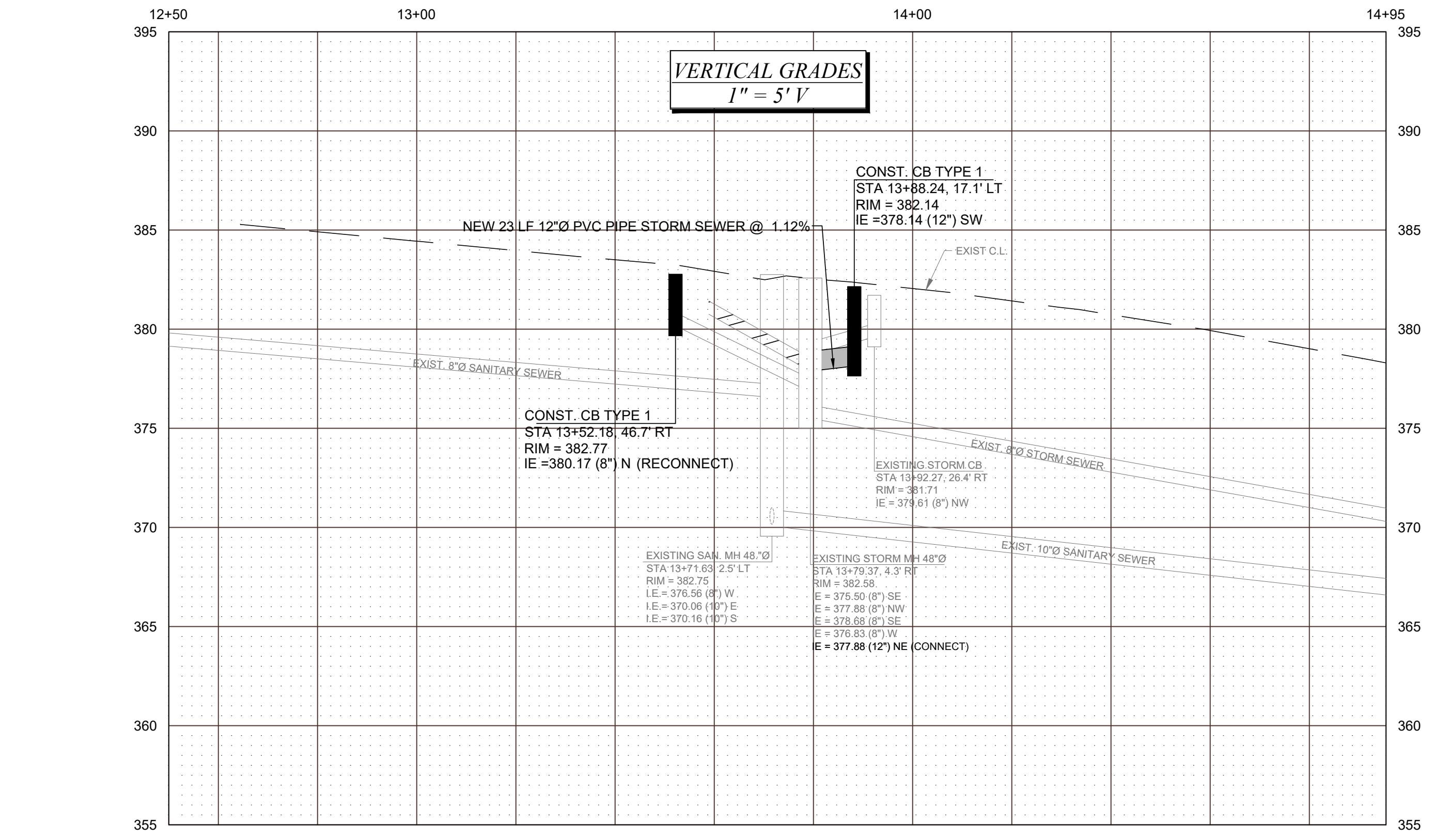
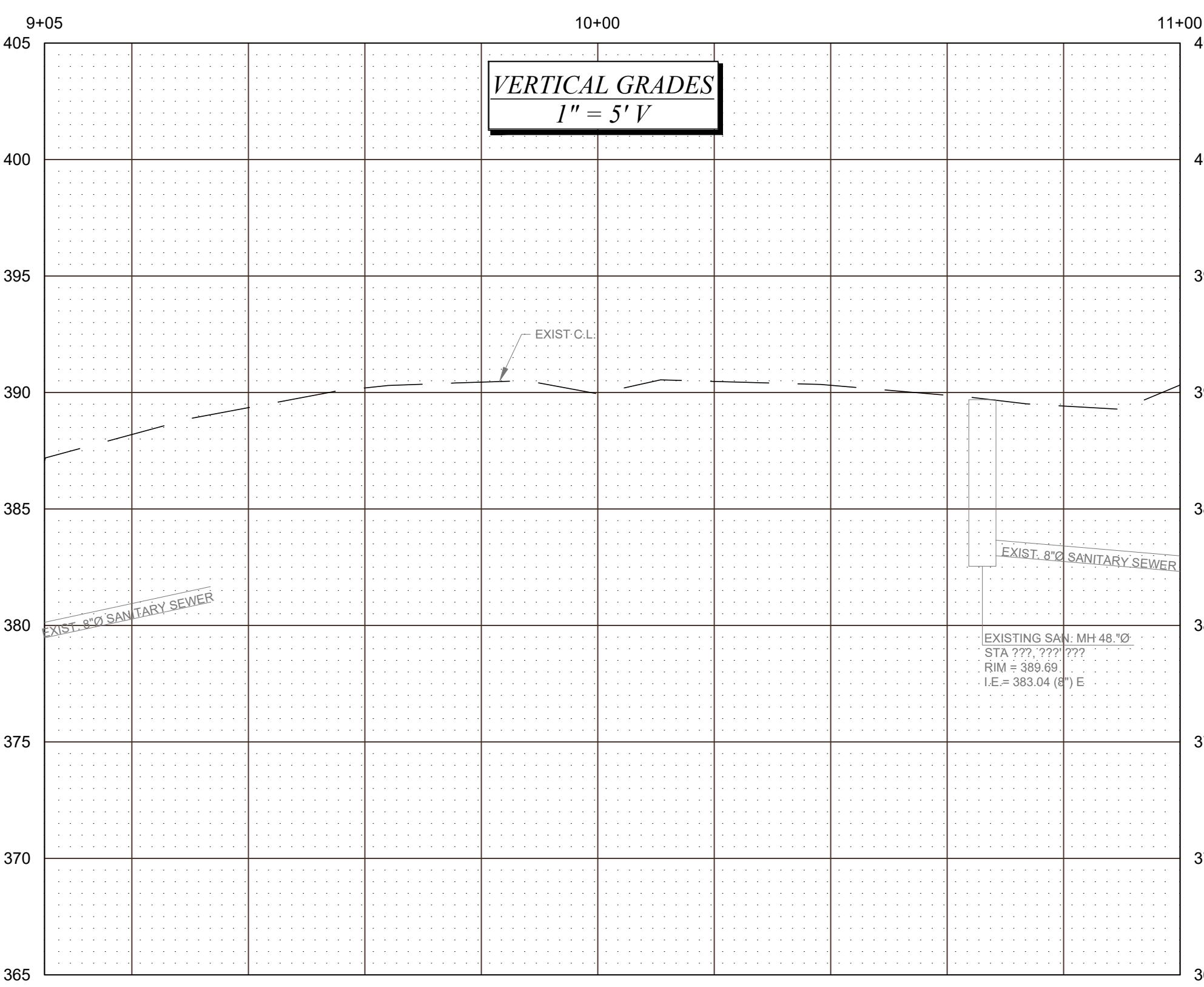
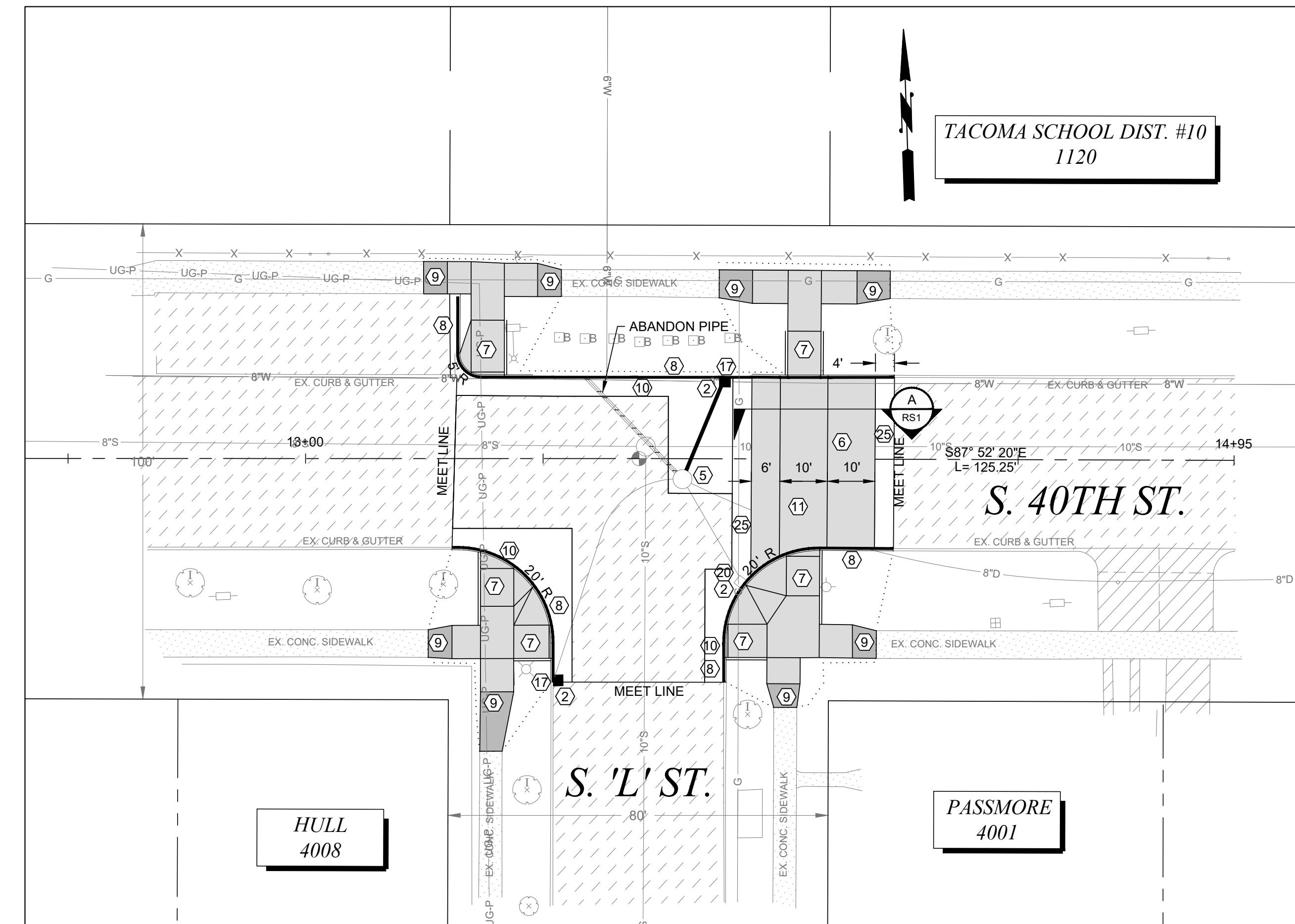
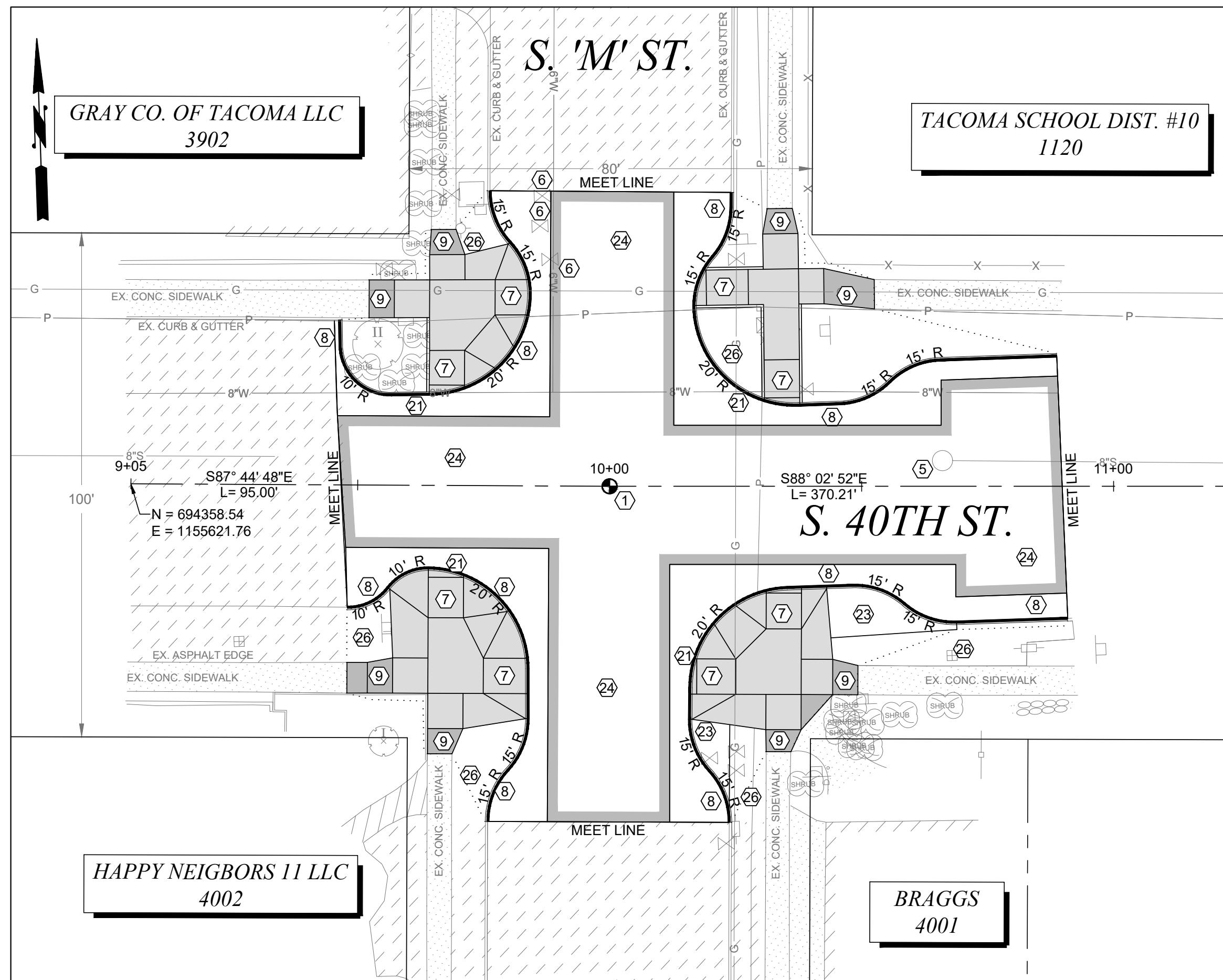
57139
BRIAN TANIGUCHI
PROFESSIONAL ENGINEER
SRTS
2023-01-04

DocuSigned by:

Chris Larson
Engineering Division Manager

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
SAFE ROUTES TO SCHOOL
EDISON ELEMENTARY SCHOOL
S. 60TH ST & S. PINE ST / S. 60TH & S. OAKES ST.

PWK-01034
SHEET NO. 9
C-2 OF C-5



- CONSTRUCTION NOTES**
- ① CONTRACTOR TO INSTALL BRASS Poured MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01. CITY TO FURNISH BRASS DISK.
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 - ④ TO BE RELOCATED BY OTHERS
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 - 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
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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.

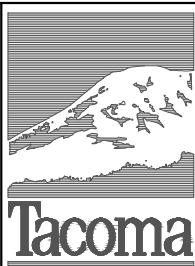
BASIS OF BEARINGS: ASSUMED HELD LINE BETWEEN SURFACE BRASS DISK @ INTERSECTION OF S. 58TH ST & PINE ST AND THE SURFACE BRASS DISK @ INTERSECTION OF S. 60TH ST & PINE ST.
BEARING = SOUTH 1-15-14 WEST
VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA BENCHMARK #1002, SURFACE BRASS DISK (NORTH) @ INTERSECTION OF S. 56TH & PINE ST. ELEV=288.34

CITY OF TACOMA
TACOMA

SCALE IN FEET

20 0 20 40 60

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED
BY DATE

DESIGNED
BY DATE

SCALE
1" = 20'

CHECKED
BY DATE

DCS
DRAWN
BY DATE

PROJECT NAME
EJB
DRAWING NAME

SRTS
SRTS_WHITMAN_CONST.DWG

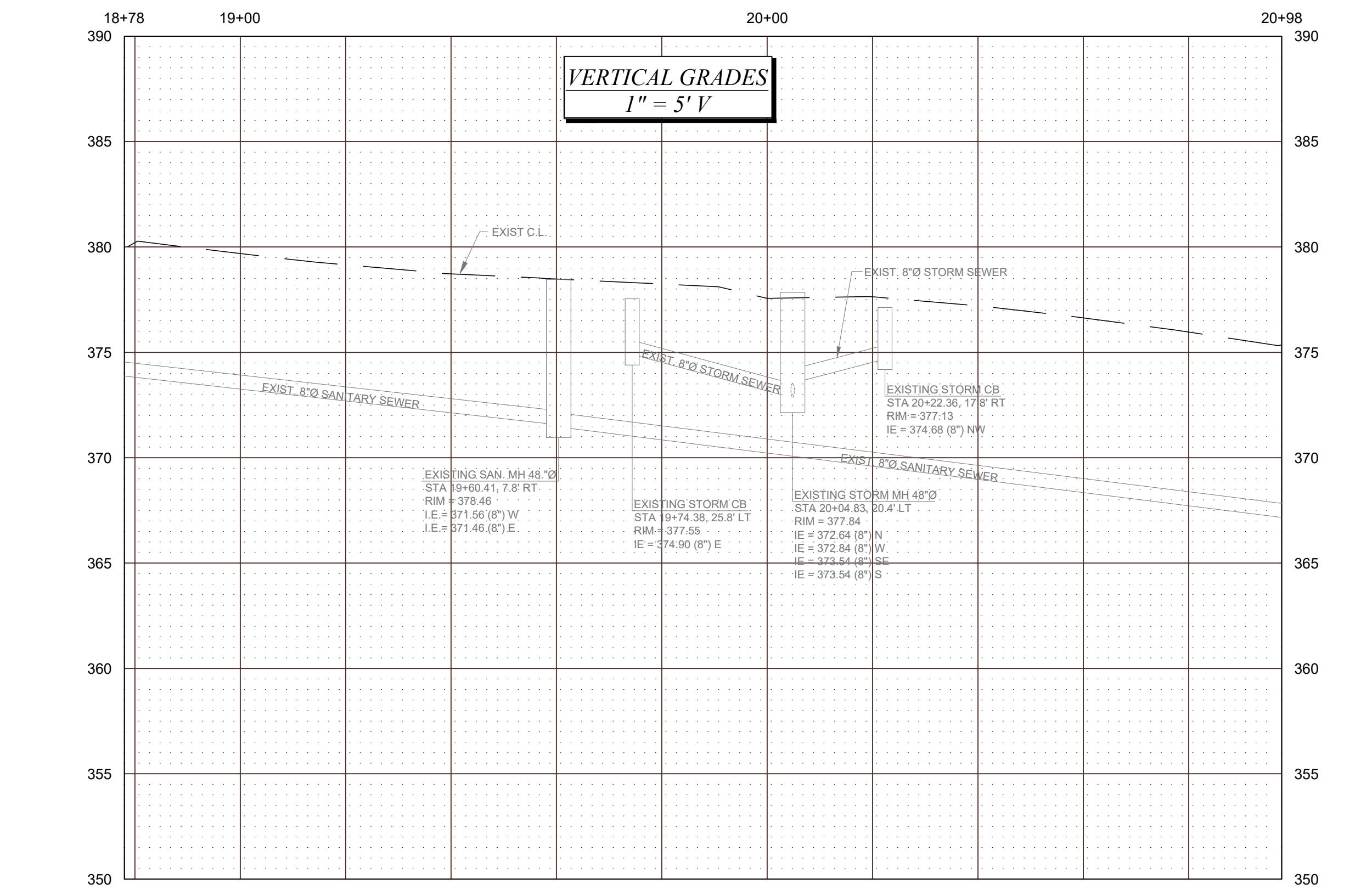
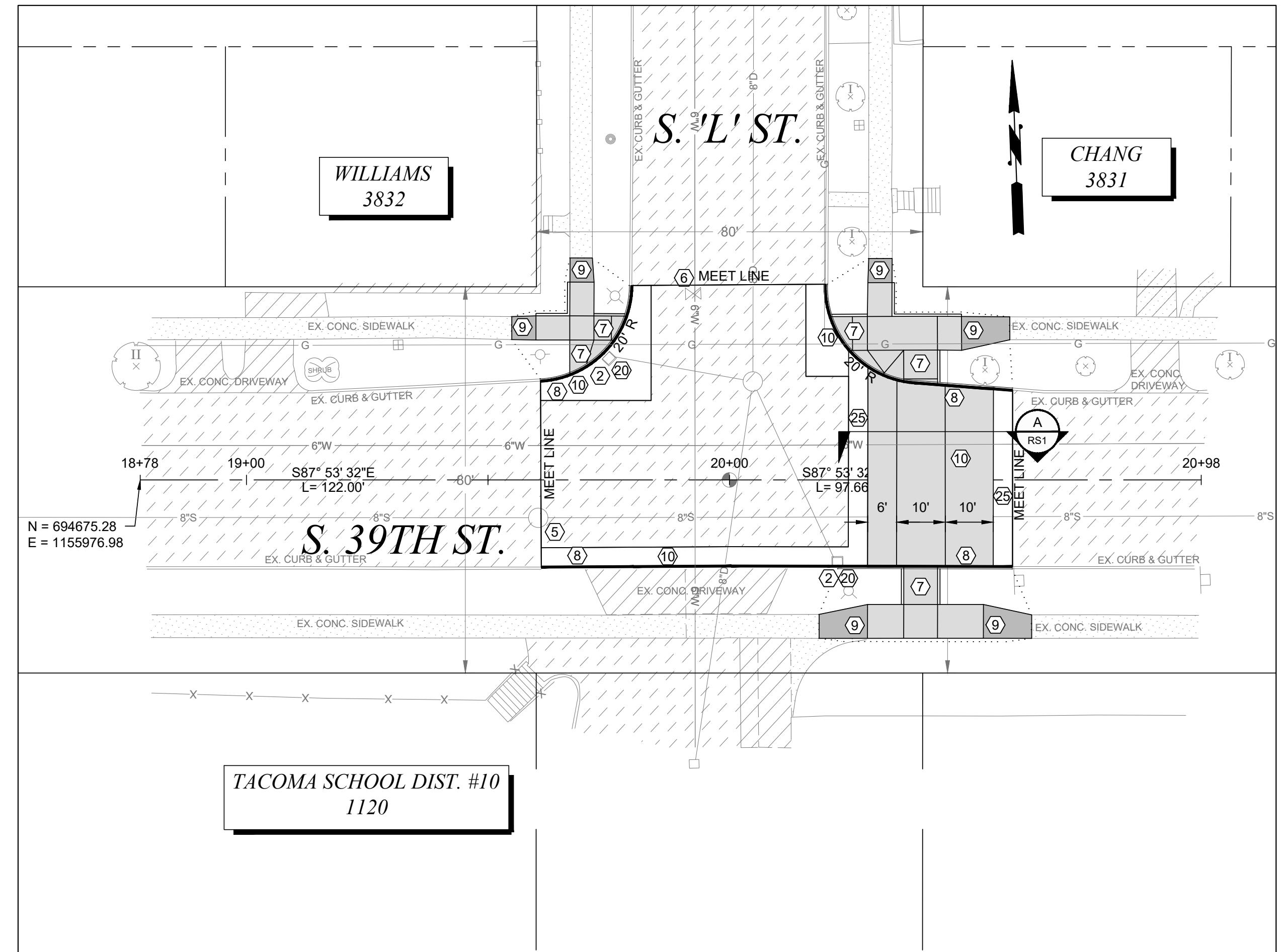
PROFESSIONAL ENGINEER
BRIAN TAYLOR
P.E. #5713
S.R.T.S. #1244
2023

DocuSigned by:
Chris Larson

ENGINEER-IN-CHARGE

**CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS**
CONSTRUCTION PLAN
WHITMAN ELEMENTARY SCHOOL
INTERSECTION AT S. 40TH ST & S. M' ST & S. L' ST.

PWK-01034
SHEET NO. 10
C-3 OF C-5



- CONSTRUCTION NOTES**
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 - ㉕ HMA TRANSITION PER HMA TRANSITION DETAIL
 - ㉖ AMEND SOIL IN ACCORDANCE WITH SECTION 8-02 AND CITY OF TACOMA STANDARD PLAN GS-01B

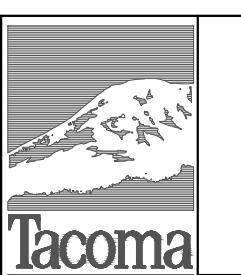
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BASIS OF BEARINGS: ASSUMED HELD LINE BETWEEN SURFACE BRASS DISK @ INTERSECTION OF S. 56TH ST & PINE ST AND THE SURFACE BRASS DISK @ INTERSECTION OF S. 60TH ST & PINE ST. BEARING = SOUTH 1-15-14 WEST VERTICAL DATUM: NGVD29 AS DEFINED BY CITY OF TACOMA BENCHMARK #1002, SURFACE BRASS DISK (NORTH) @ INTERSECTION OF S. 56TH & PINE ST. ELEV=288.34

TACOMA
CITY OF
TACOMA
TACOMA
ELEV=288.34

20 0 20 40 60
SCALE IN FEET

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NO

REVISION

FINAL CONSTRUCTION CHECKED

DATE JAN 2023

SCALE 1" = 20'

DESIGNED BCW

CHECKED DCS

DRAWN EJB

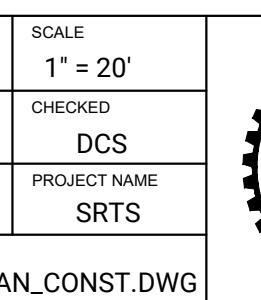
PROJECT NAME SRTS

FIELD BOOKS

DRAWING NAME SRTS_WHITMAN_CONST.DWG

DATE 01/31/2023

APPD

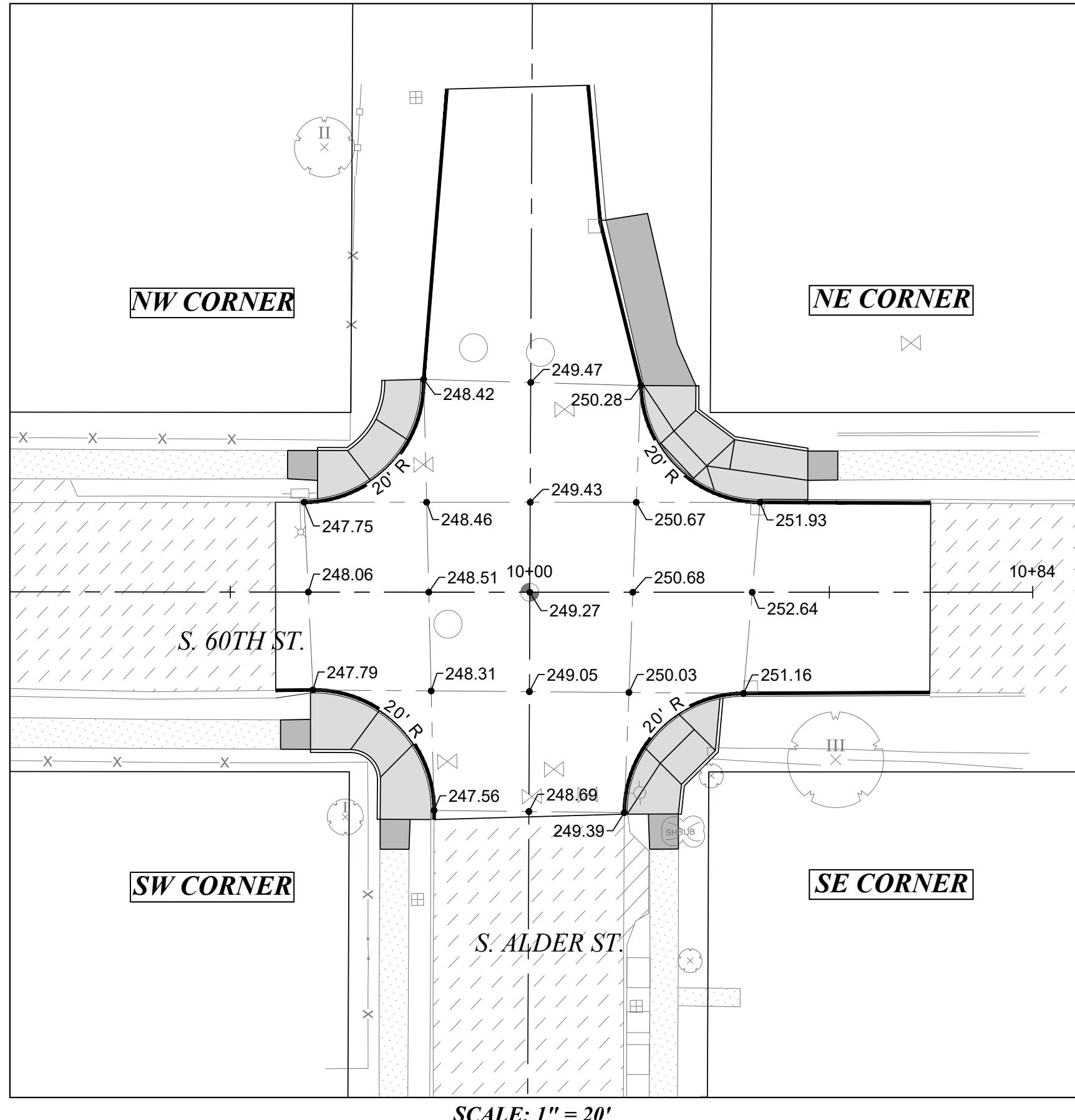


DocuSigned by:

Chris Larson
ENGINEER IN CHIEF

CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION PLAN
WHITMAN ELEMENTARY SCHOOL
INTERSECTION AT S. 39TH ST. & S 'L' ST.

PWK-01034
SHEET NO. 11
C-4 OF C-5

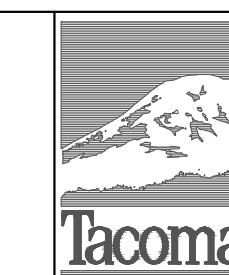


GENERAL NOTES:

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

MATCH EXISTING: ME
GUTTER GRADE: GG

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REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED
BY DATE

DATE JAN 2023
DESIGNED CHECKED
BCW DCS

DRAWN PROJECT NAME
EJB SRTS

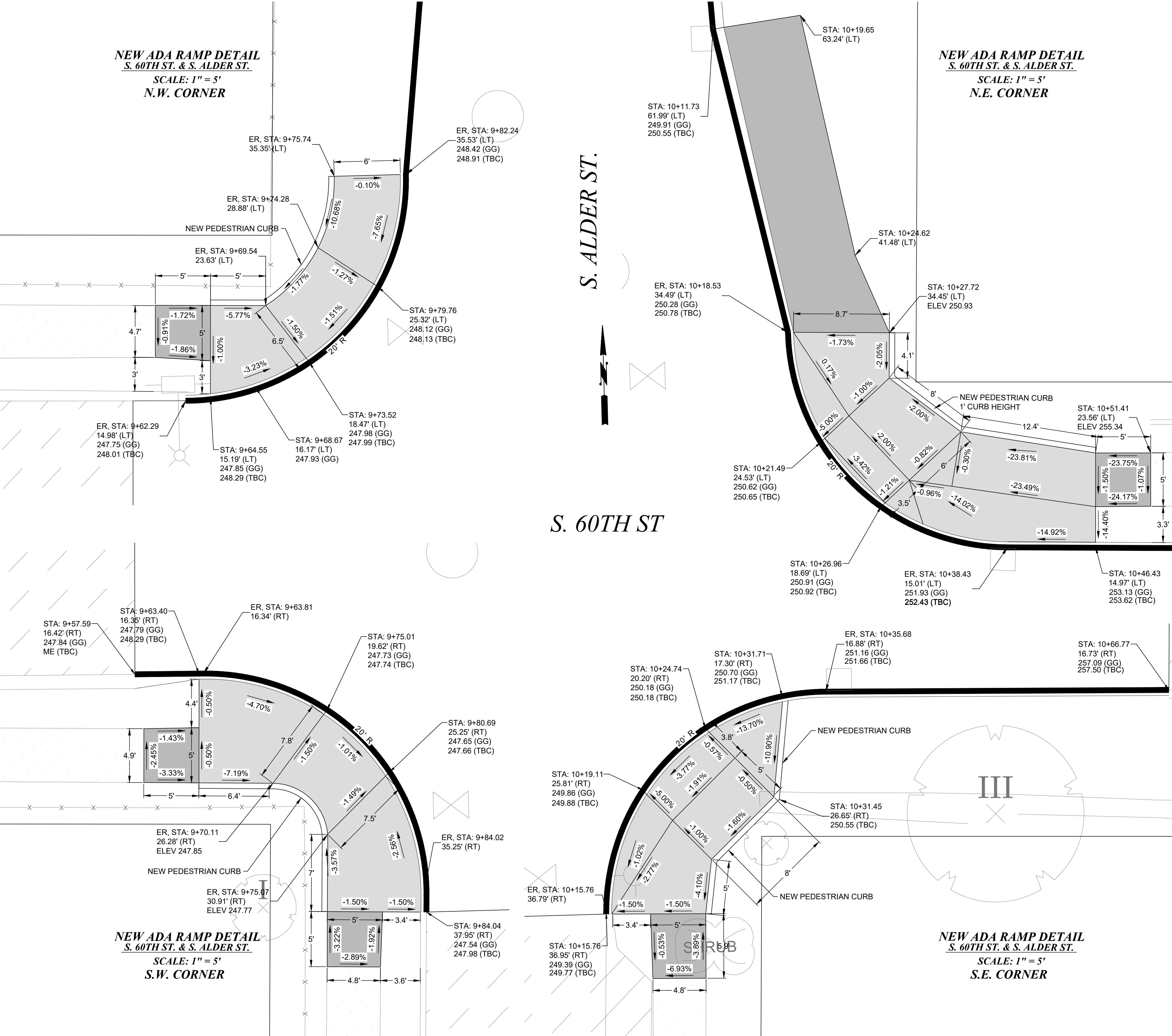
FIELD BOOKS

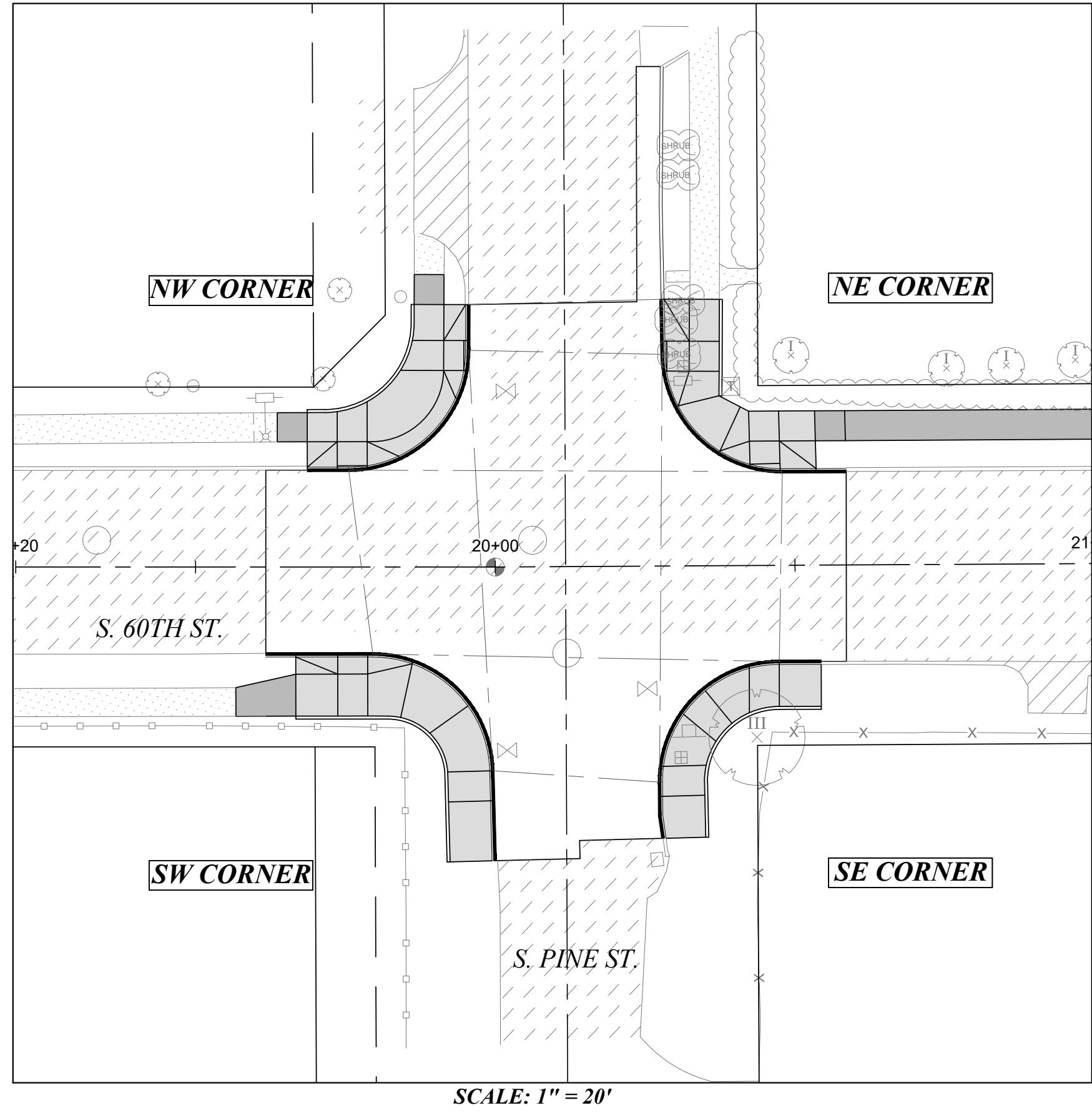
DRAWING NAME
SRTS_ADA.DWG

5713
PROFESSIONAL ENGINEER
REGISTRATION NO. 5713
EXPIRED 12/31/2023

DocuSigned by:
Chris Larson
Engineering Division Manager

5713
PROFESSIONAL ENGINEER
REGISTRATION NO. 5713
EXPIRED 12/31/2023



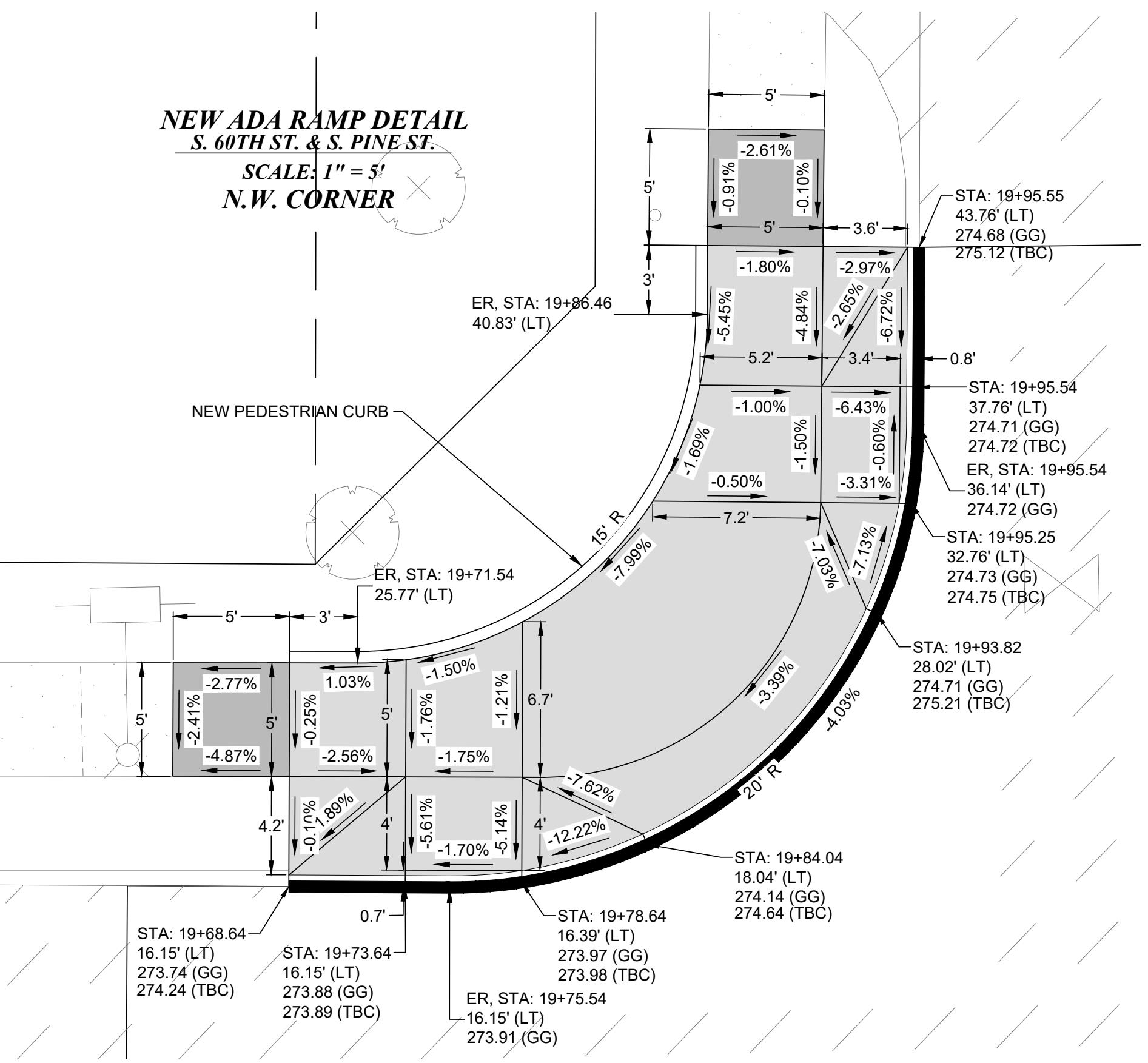


SCALE: 1" = 20'

NEW ADA RAMP DETAIL
S. 60TH ST. & S. PINE ST.
N.W. CORNER

SCALE: 1" = 5'

N.W. CORNER

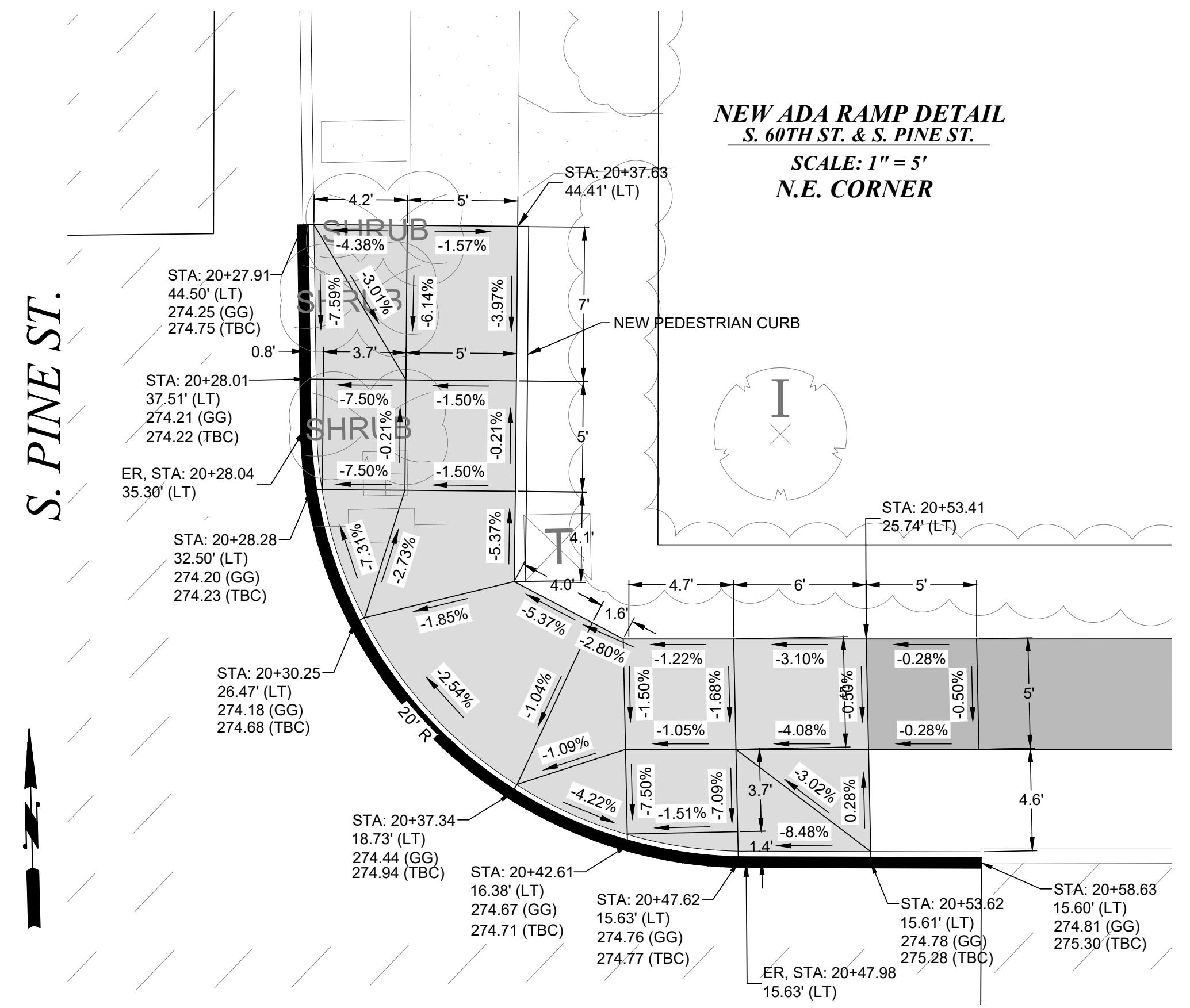


S. PINE ST.

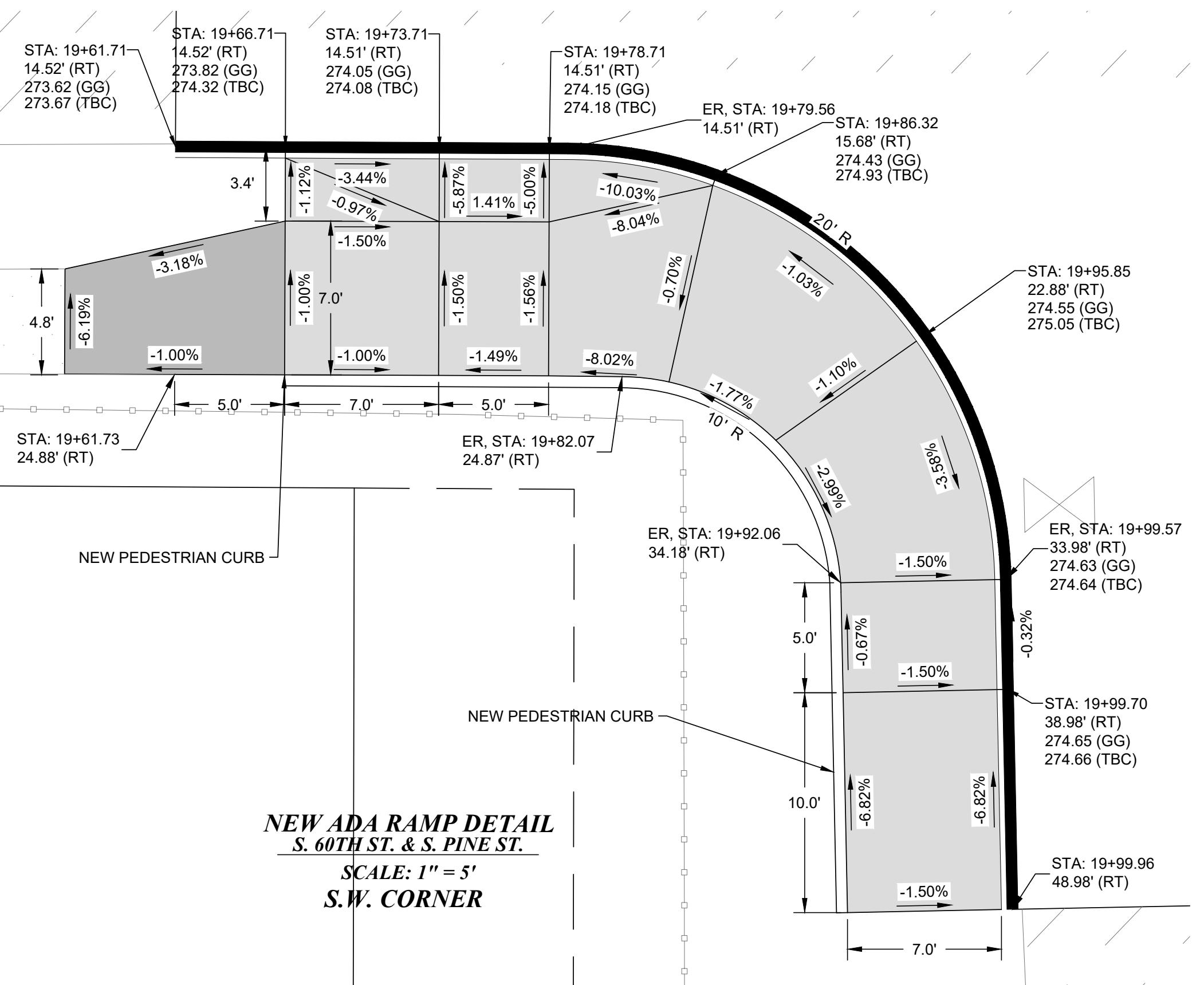
NEW ADA RAMP DETAIL
S. 60TH ST. & S. PINE ST.
N.E. CORNER

SCALE: 1" = 5'

N.E. CORNER



S. 60TH ST



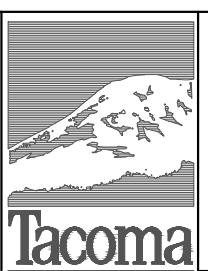
GENERAL NOTES:

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2) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

MATCH EXISTING: ME
GUTTER GRADE: GG

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY DATE

DESIGNED

CHECKED

DATE JAN 2023

SCALE AS NOTED

DCS

PROJECT NAME

SRTS

DRAWN EJB

DRAWING NAME

SRTS_ADA.DWG

FIELD BOOKS

REVISIONS

APRIL 2023

5713

FC124421

PROFESSIONAL ENGINEER

5713

PCB#5713

2023

REGISTRATION NO.

5713

PERMIT NO.

5713

EXPIRATION DATE

2023

STATE OF WASHINGTON

PROFESSIONAL ENGINEER

5713

PCB#5713

2023

REGISTRATION NO.

5713

PERMIT NO.

5713

EXPIRATION DATE

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STATE OF WASHINGTON

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STATE OF WASHINGTON

PROFESSIONAL ENGINEER

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PCB#5713

2023

REGISTRATION NO.

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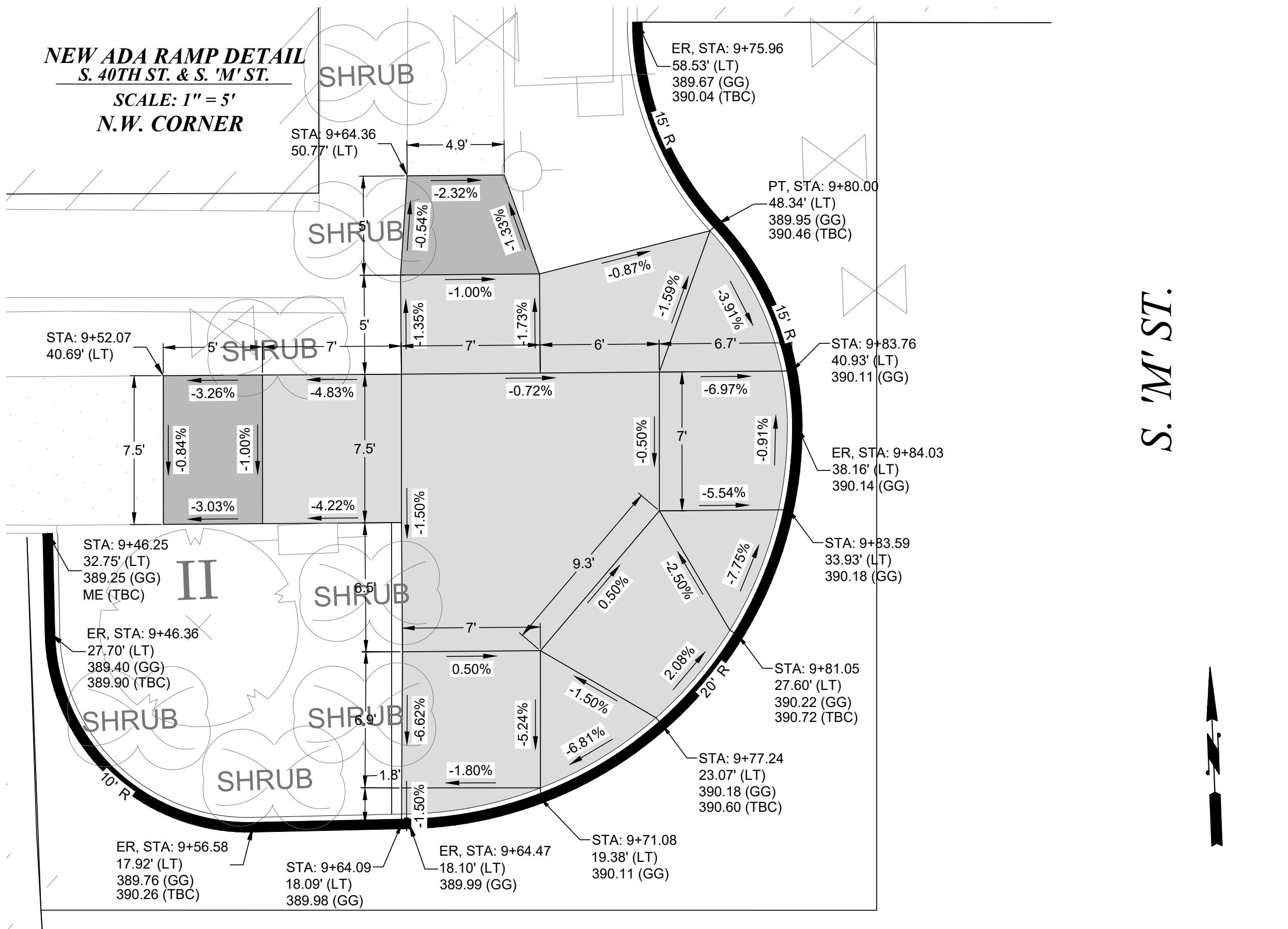
PERMIT NO.

5713

EXPIRATION DATE

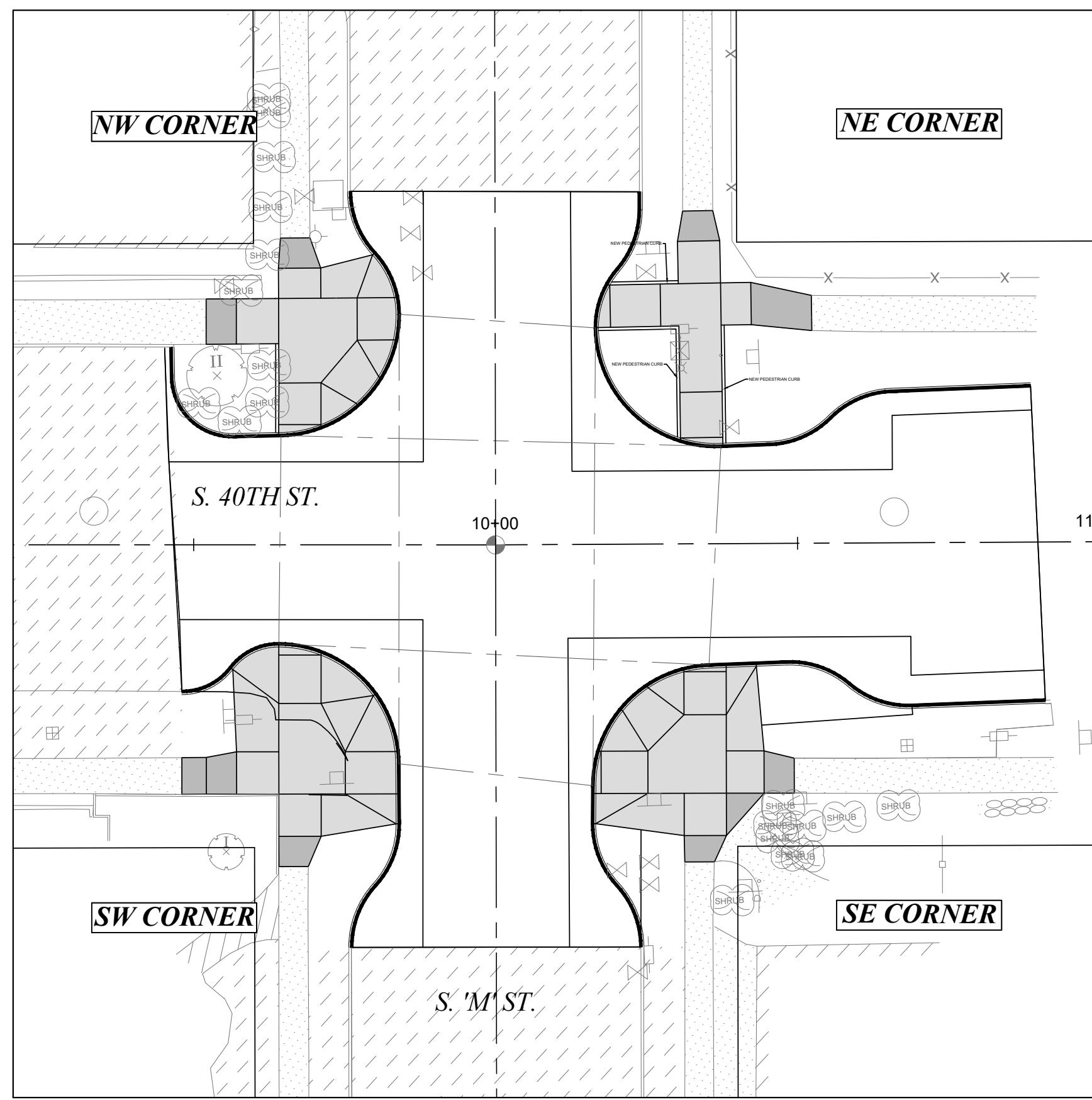
2023

STATE OF WASHINGTON



S. 'M' ST.

S. 40TH ST



GENERAL NOTES:

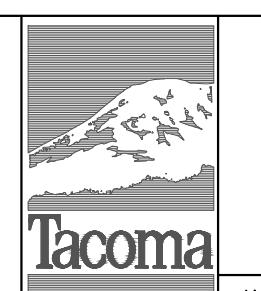
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MATCH EXISTING: ME
GUTTER GRADE: GG

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,
PROTECTING AND AVOIDING ALL EXISTING UTILITIES.**

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



1

R E V I S I O N

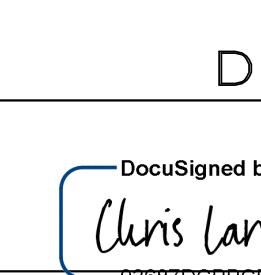
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DATE

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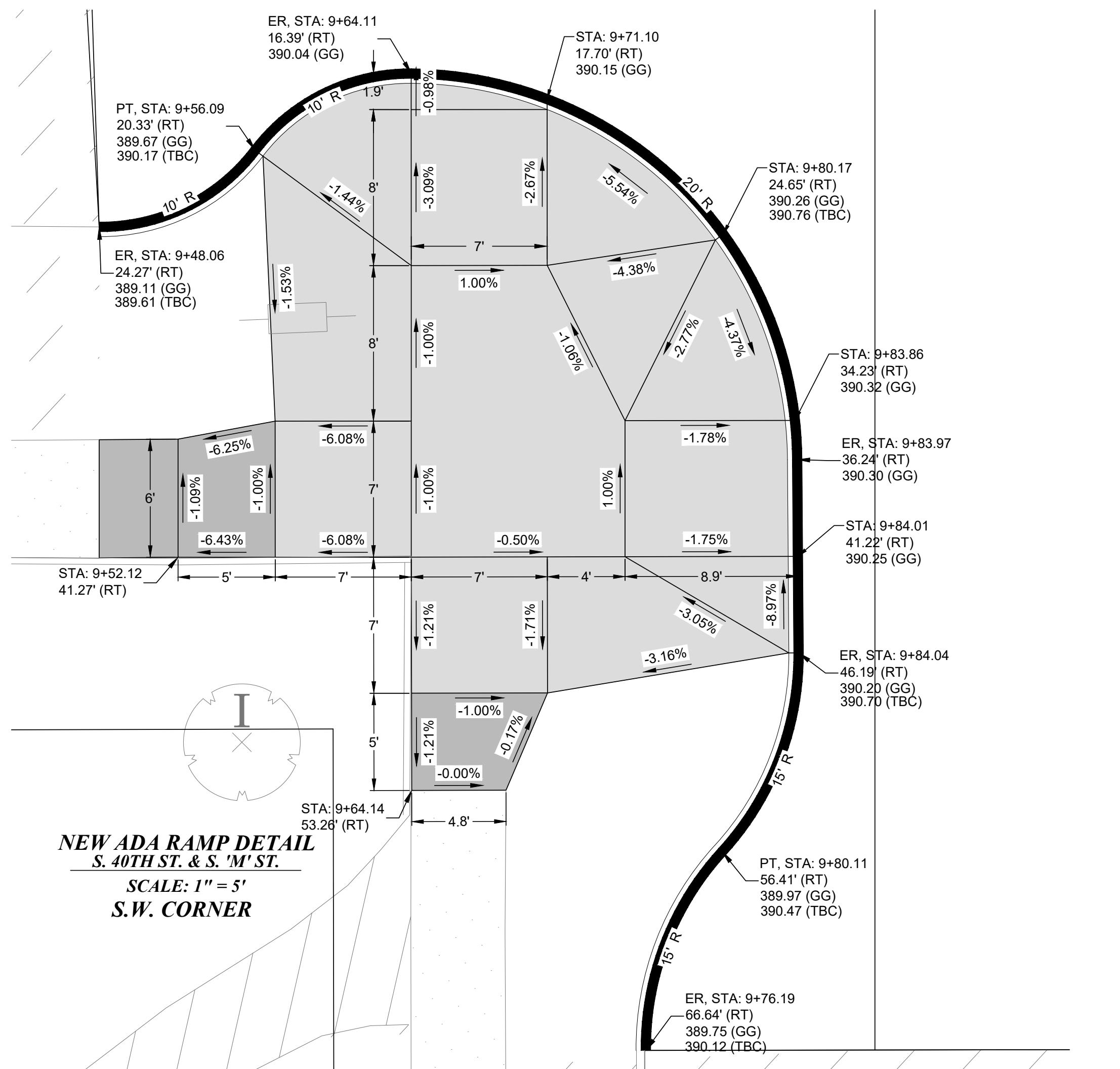
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| FINAL CONSTRUCTION CHECKED | DATE JAN 2023 | SCALE AS NOTED |  <p>Designed by: BRIAN WANG State of Washington B3117FC1524451... PROFESSIONAL ENGINEER 57137 REGISTERED Issued 1/2023</p> |
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| | DRAWN EJB | PROJECT NAME SRTS | |
| BOOKS | DRAWING NAME SRTS ADA.DWG | | |



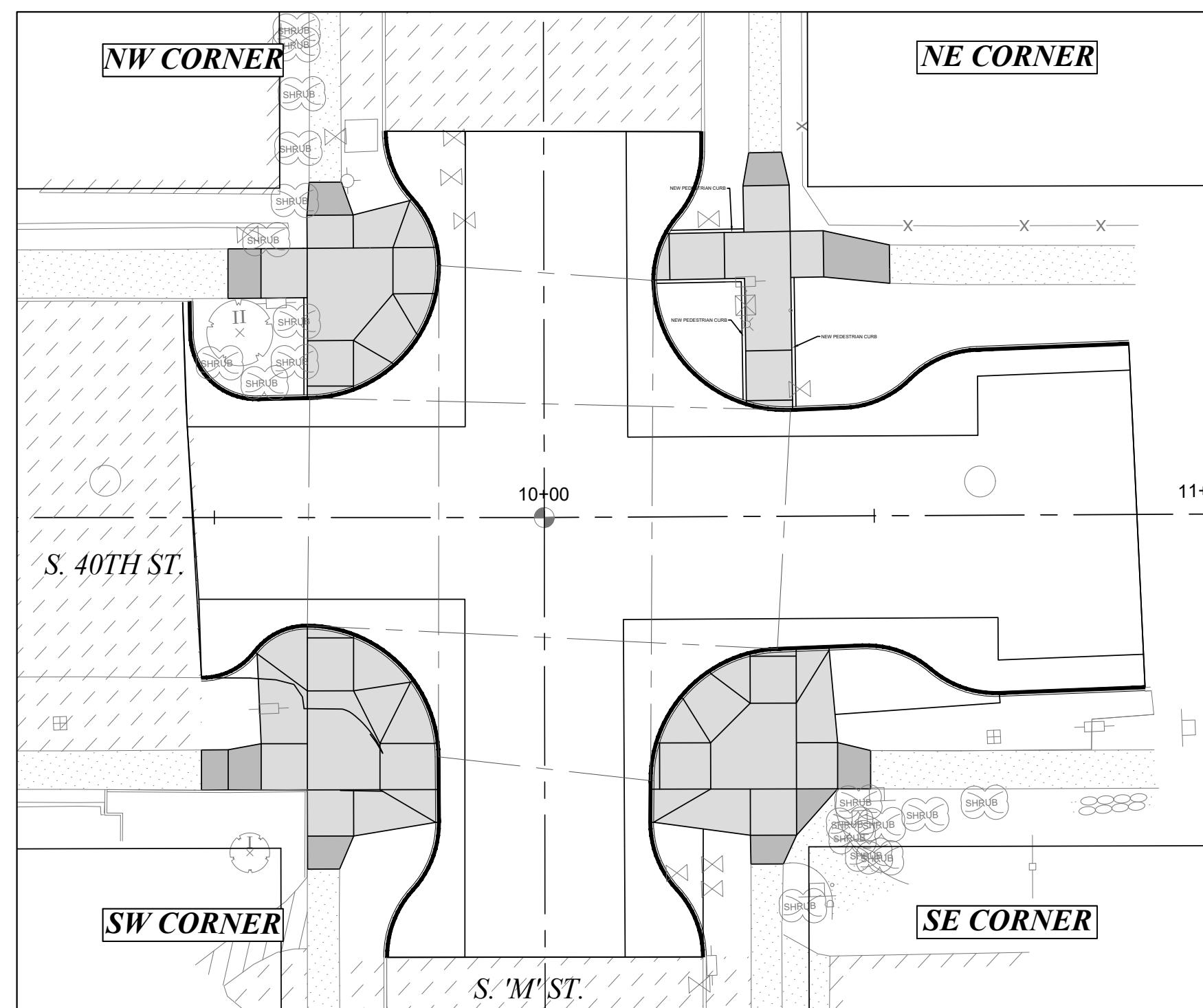
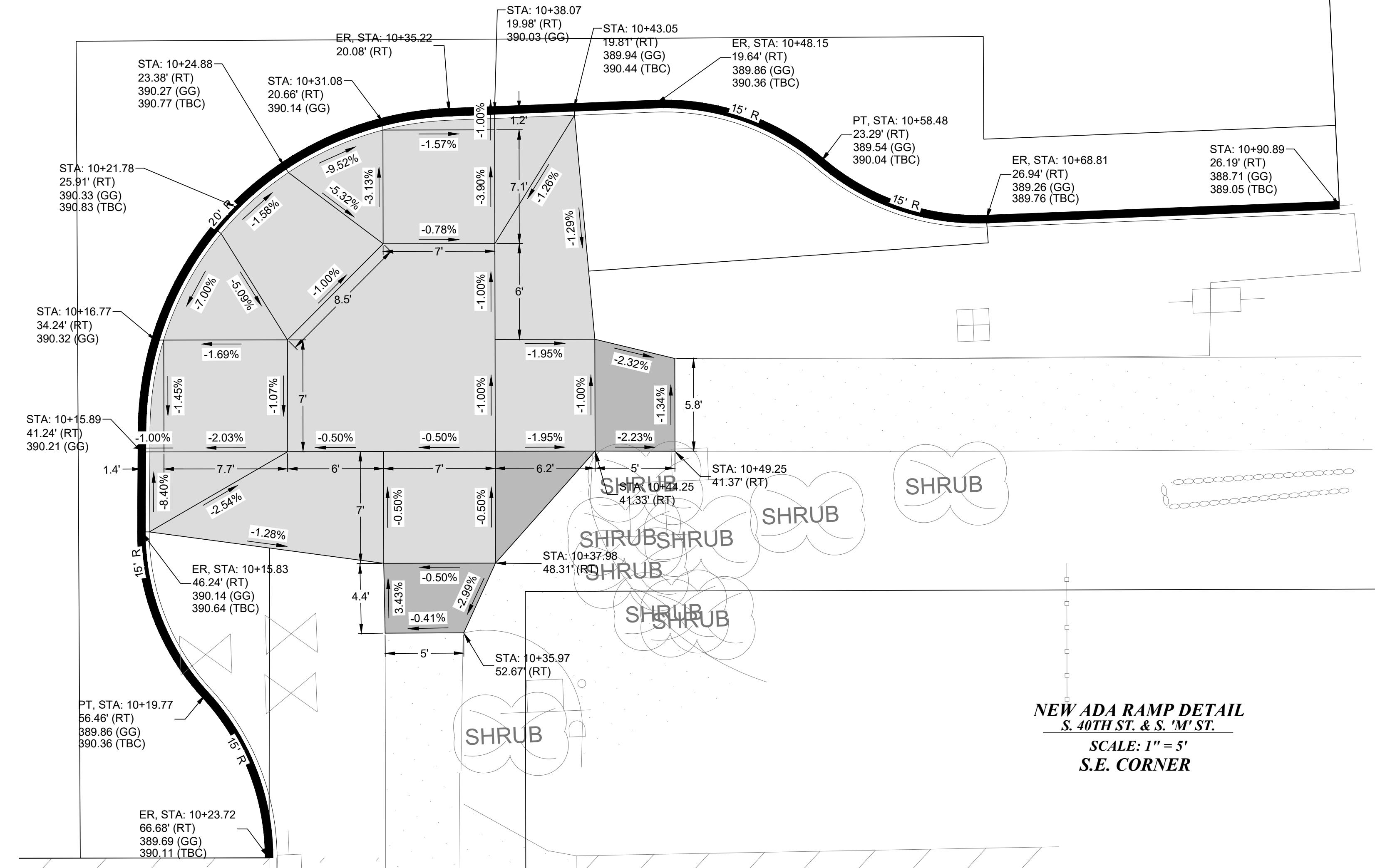
DocuSigned by:
Chris Larson
CHRISSIE LARSON

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

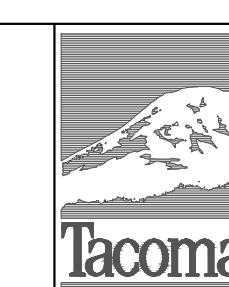
PWK-01034
SHEET NO. 16
IPD 4 IPD 6



S. 40TH ST



CALL BEFORE YOU DIG
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION
CHECKED
BY
DATE
DESIGNED
DRAWN
FIELD BOOKS

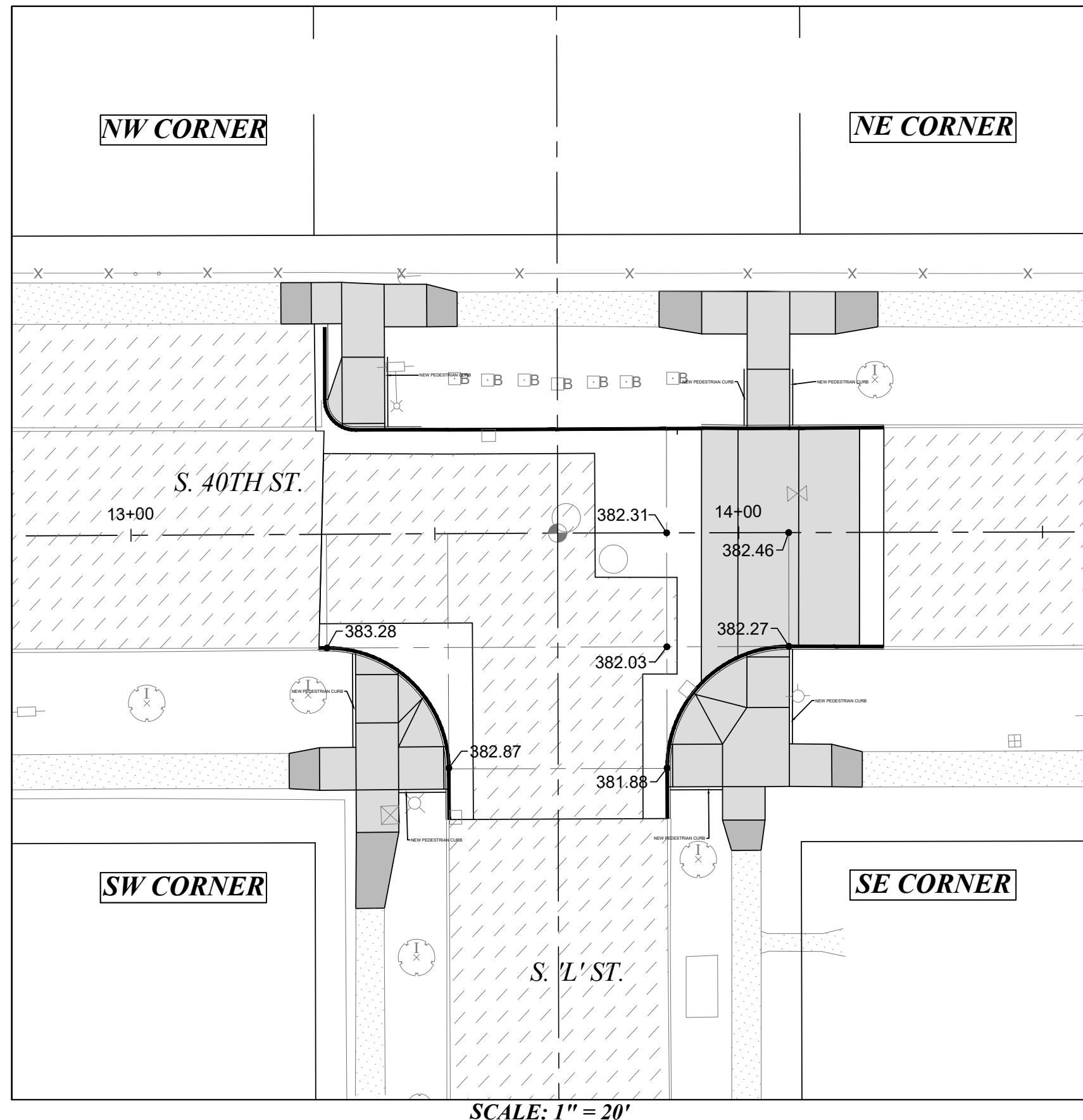
AS NOTED
CHECKED
DCS
PROJECT NAME
SRTS
DRAWING NAME
SRTS_ADA.DWG

JAN 2023
EJB
5/13/2023
2023

PROFESSIONAL ENGINEER
BRIAN TANIGUCHI
FC-B242
57139
2023

DocuSigned by:
Chris Larson
ENGINEER IN CHARGE

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
RAMP GRADING PLAN
SOUTH 40TH ST.
AT INTERSECTION OF SOUTH 'M' ST.
PWK-01034
SHEET NO. 17
SHEET IRP-5 OF IRP-8



SCALE: 1" = 20'

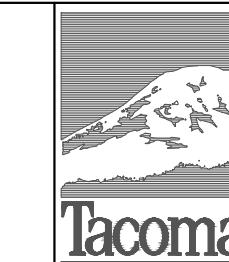
GENERAL NOTES:

1) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.

2) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

MATCH EXISTING: ME
GUTTER GRADE: GG

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NO

REVISION

DATE

APPD

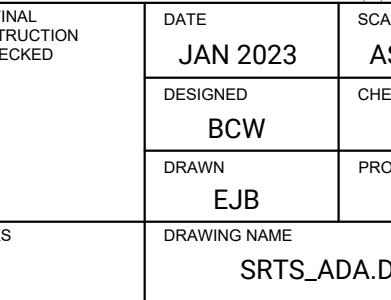
FINAL CONSTRUCTION CHECKED
BY DATE

DATE JAN 2023
DESIGNED BY
DRAWN BY
FIELD BOOKS

AS NOTED
CHECKED
DCS
PROJECT NAME
EJB SRTS

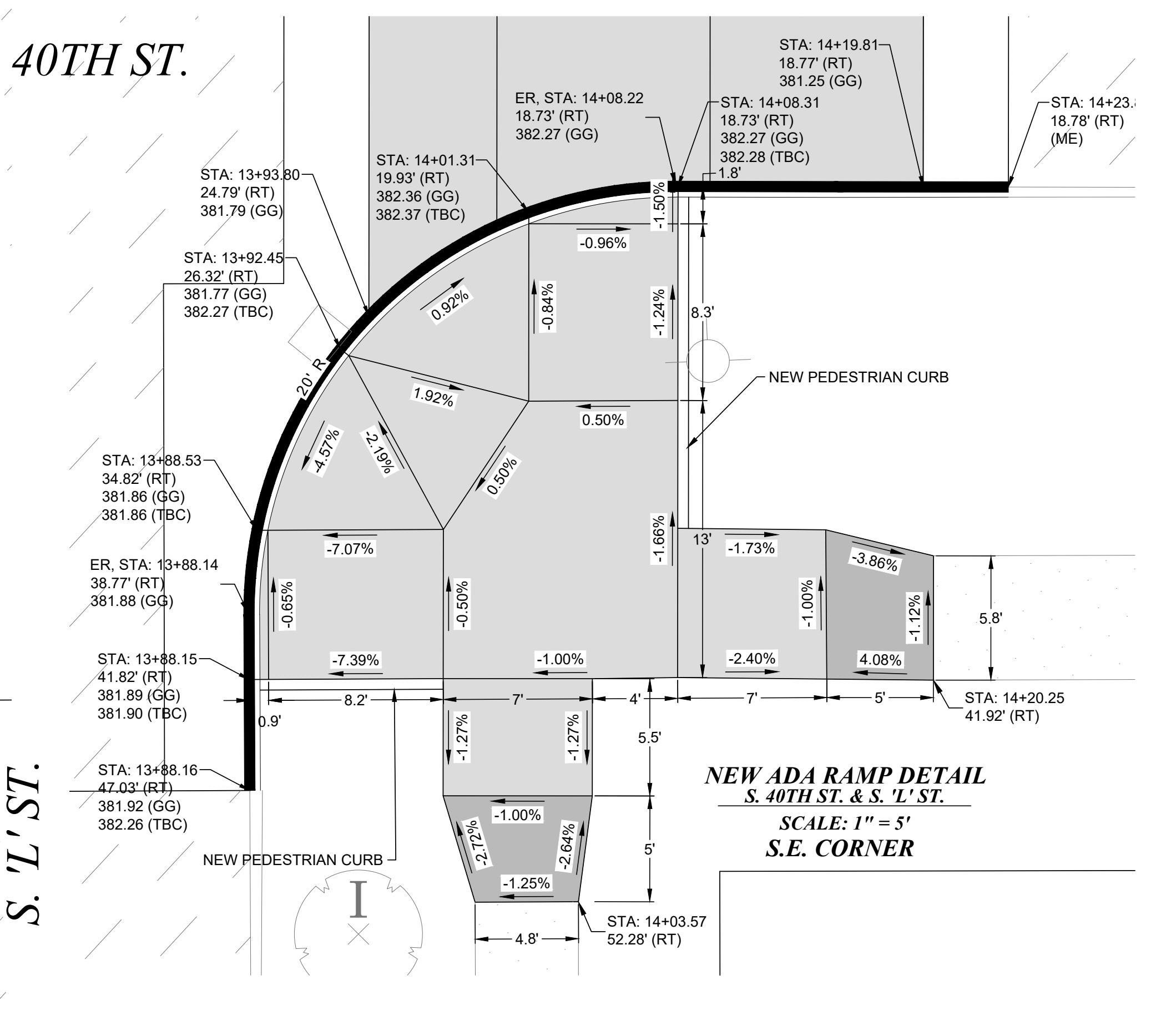
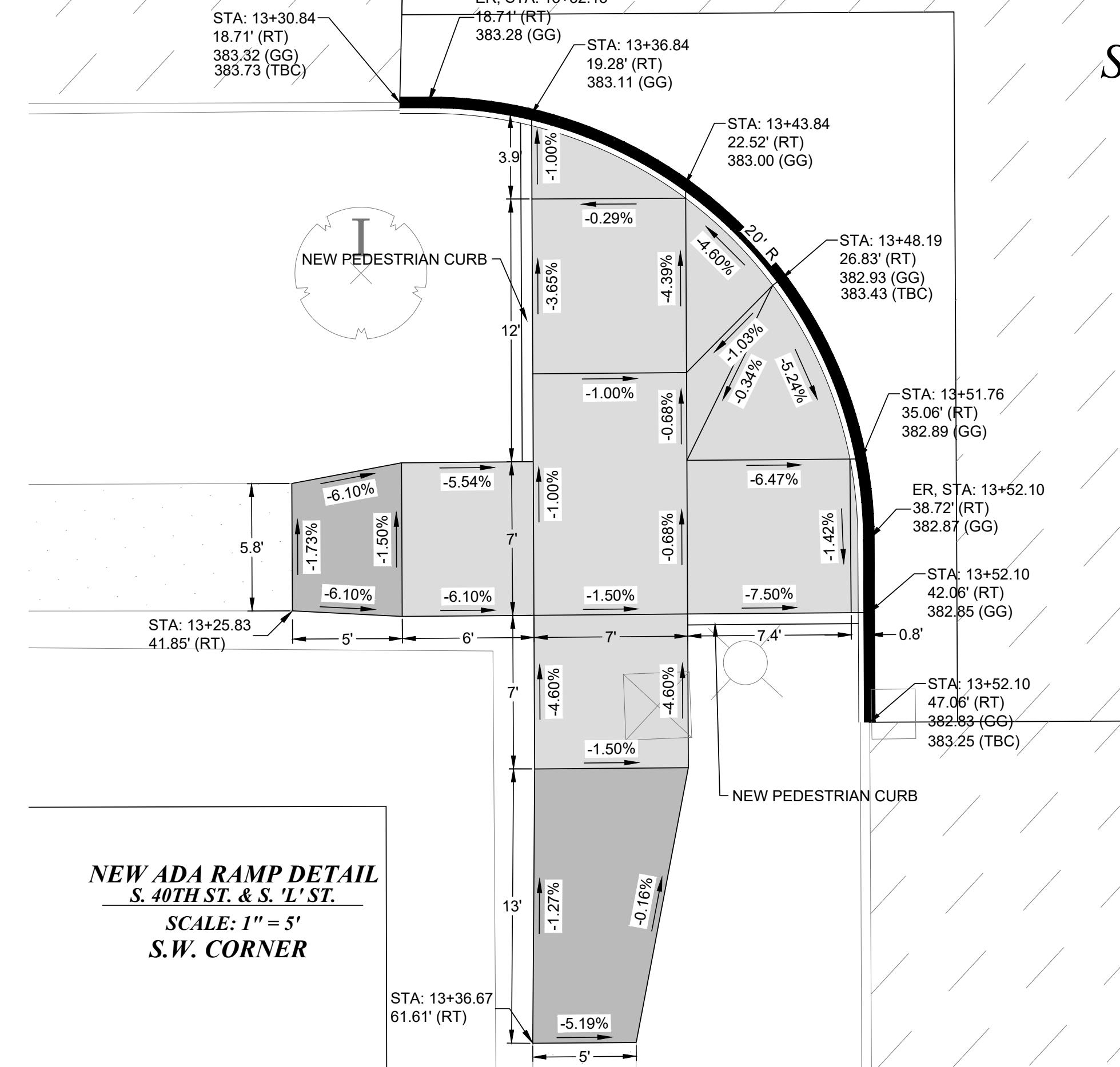
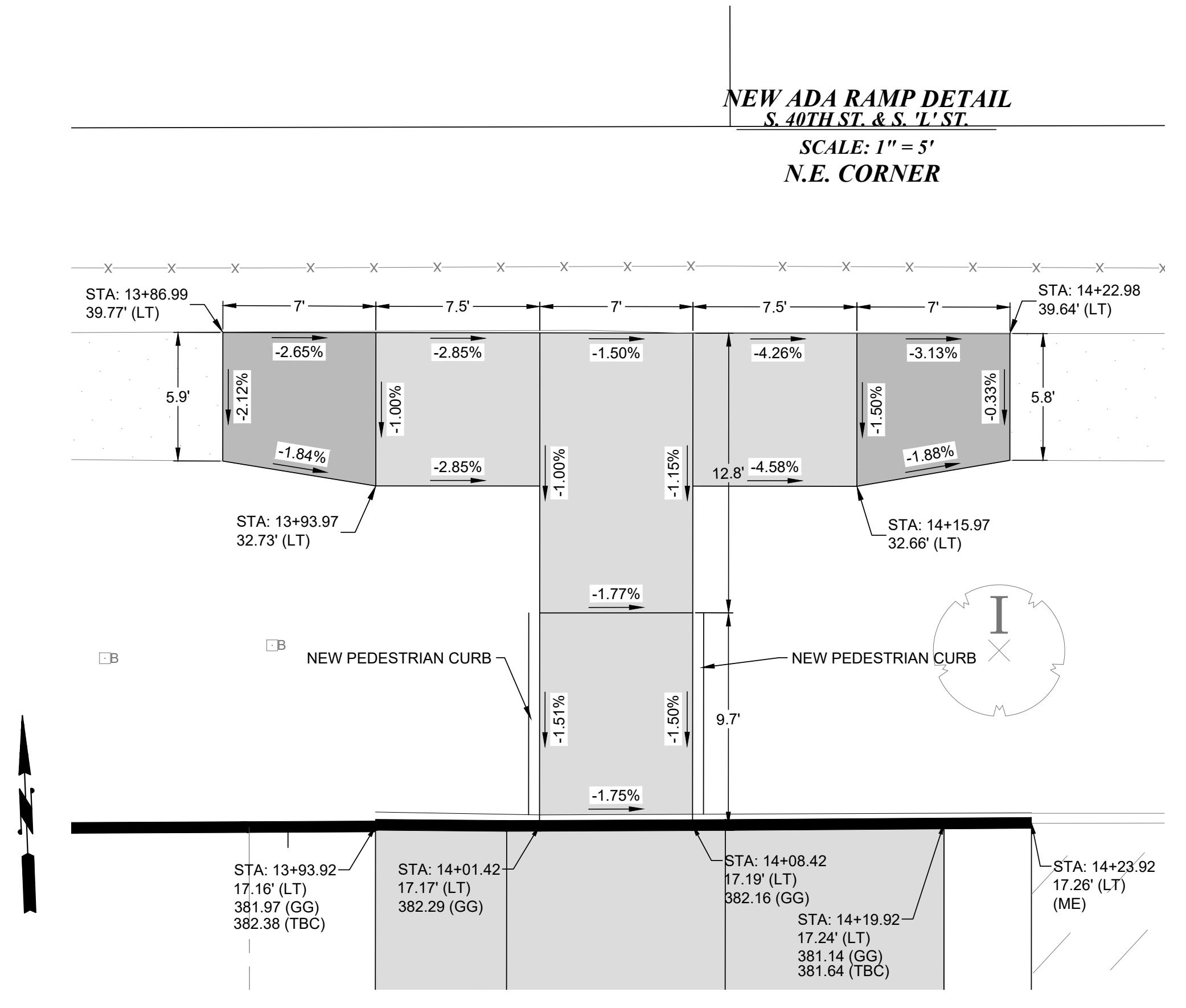
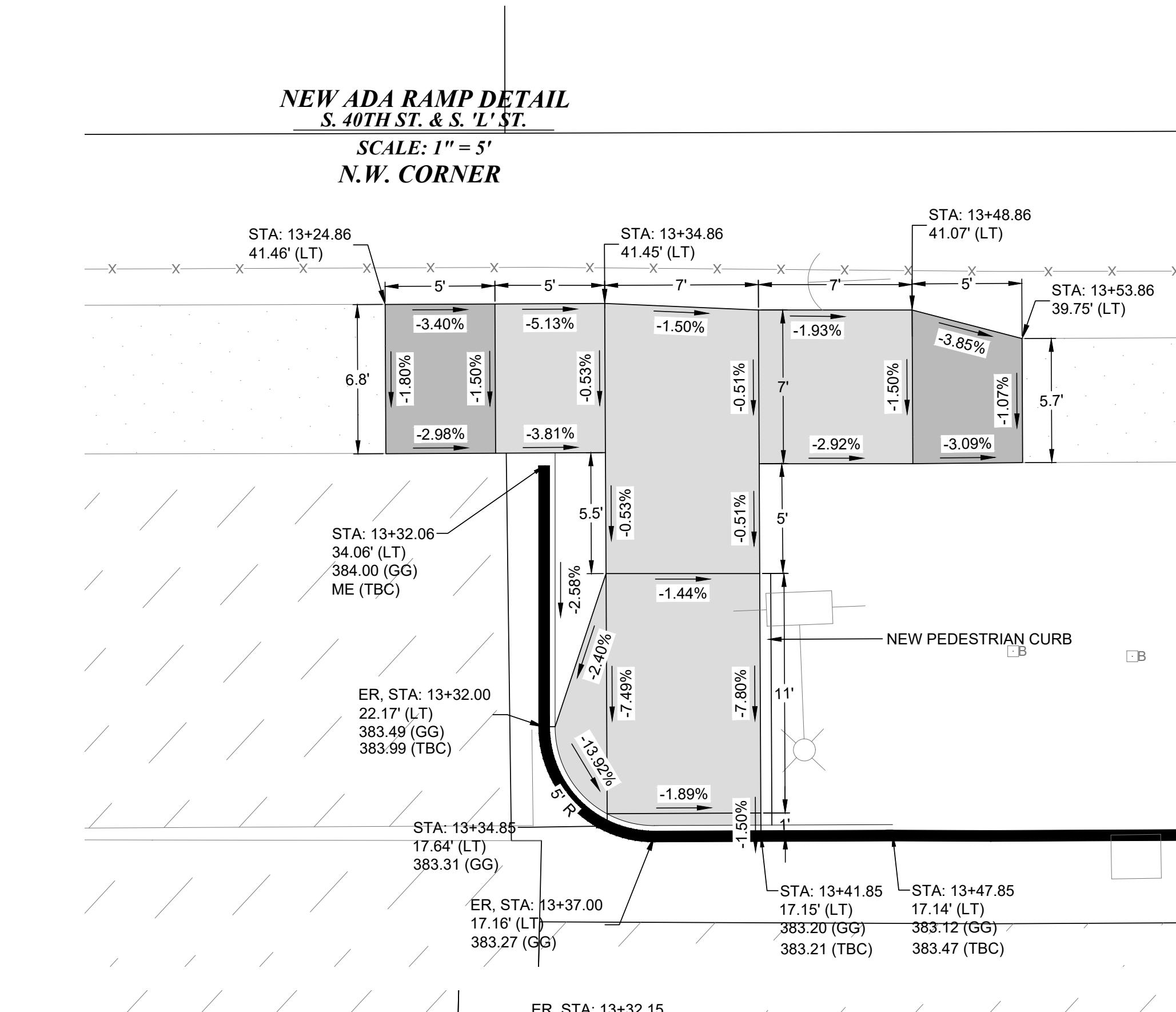
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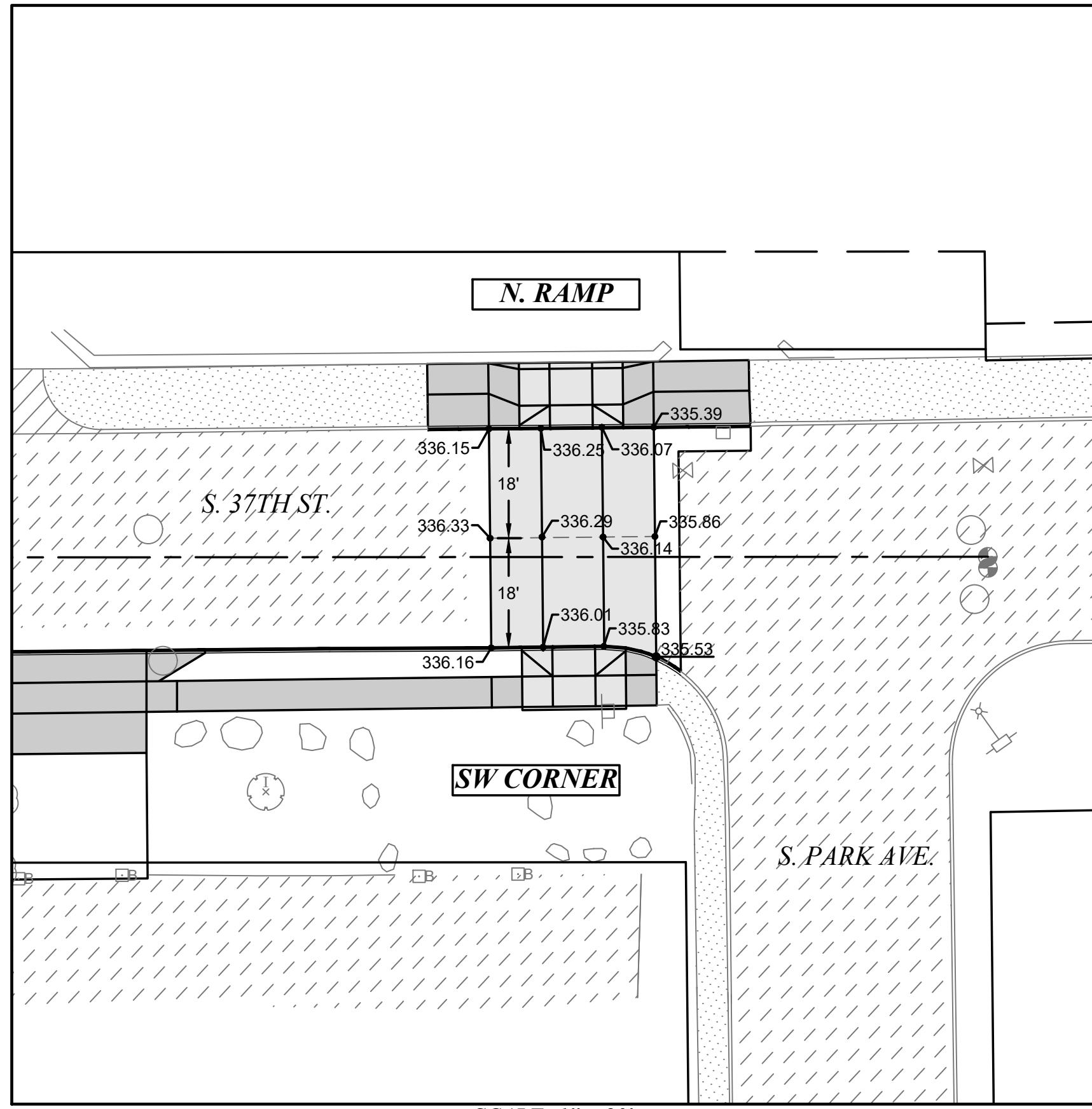
SRTS_ADA.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
RAMP GRADING PLAN
SOUTH 40TH ST.
AT INTERSECTION OF SOUTH 'L' ST.

PWK-01034
SHEET NO. 18
SHEET IRP-6 OF IRP-8

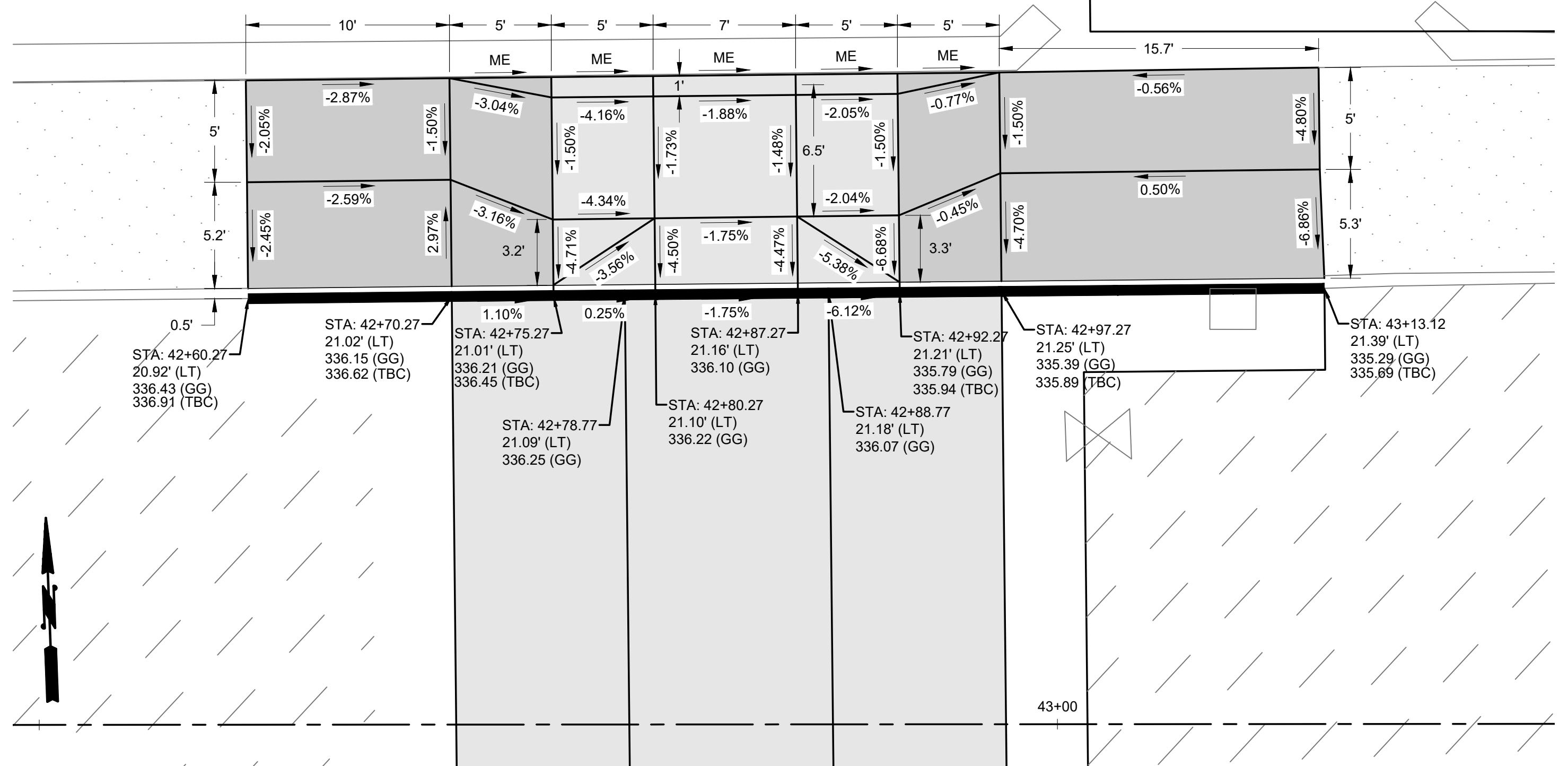




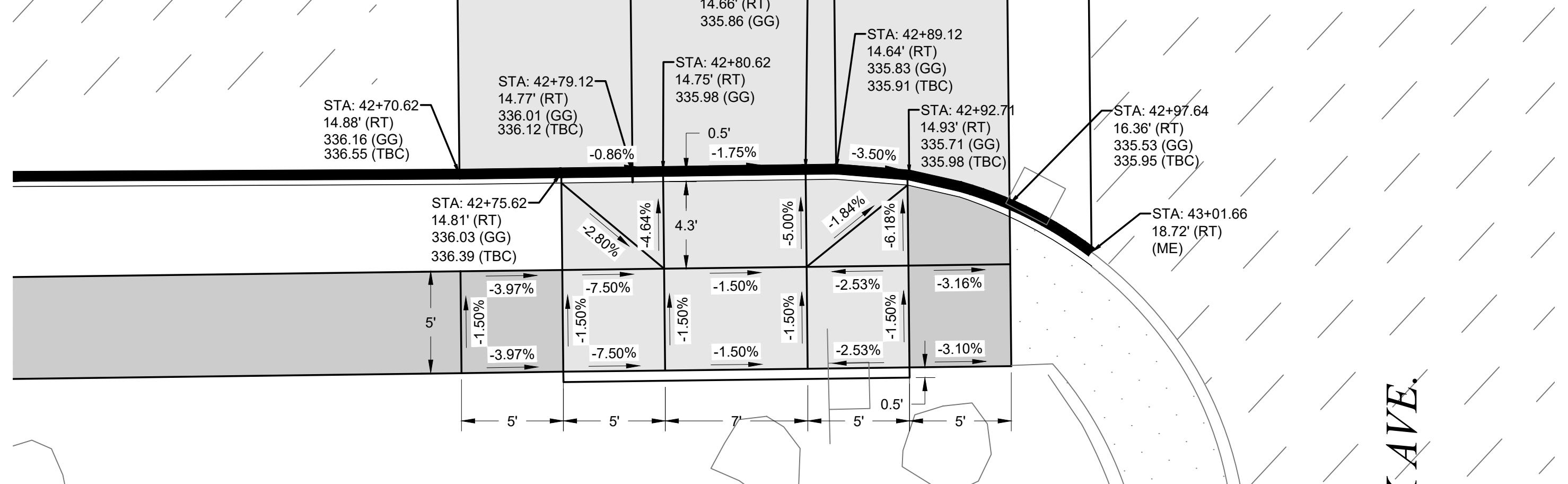
NEW ADA RAMP DETAIL
S. 37TH ST. & S. PARK AVE.

SCALE: 1" = 5'

N. RAMP



S. 37TH ST.



NEW ADA RAMP DETAIL
S. 37TH ST. & S. PARK AVE.

SCALE: 1" = 5'

S.W. CORNER

GENERAL NOTES:

1) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.

2) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.

MATCH EXISTING: ME
GUTTER GRADE: GG

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY DATE

DESIGNED

CHECKED

DRAWN

PROJECT NAME

DCS

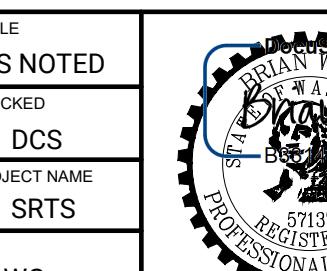
FIELD BOOKS

DRAWING NAME

SRTS

DATE JAN 2023

AS NOTED

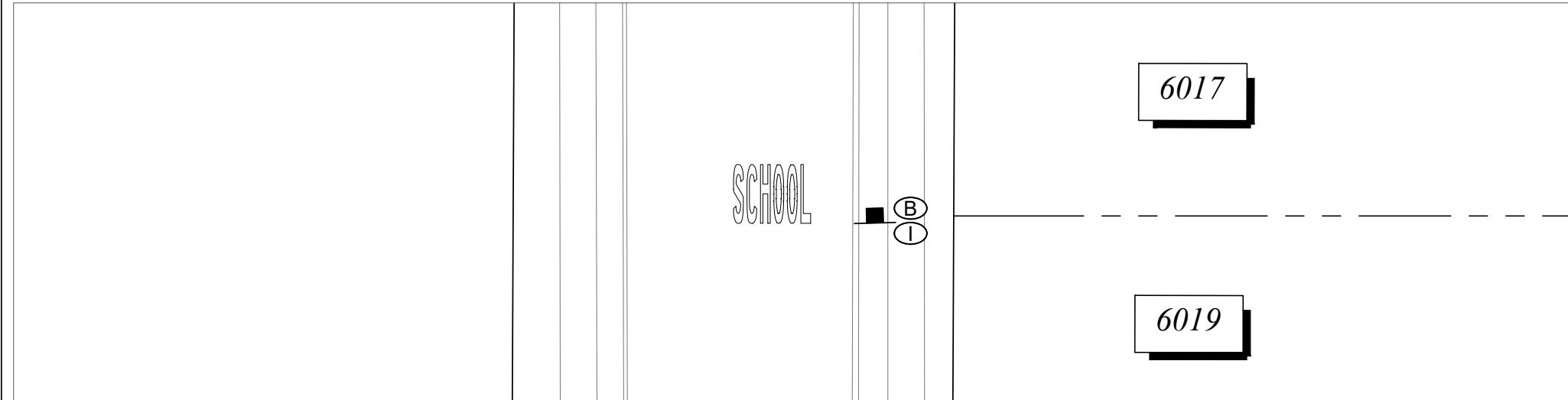
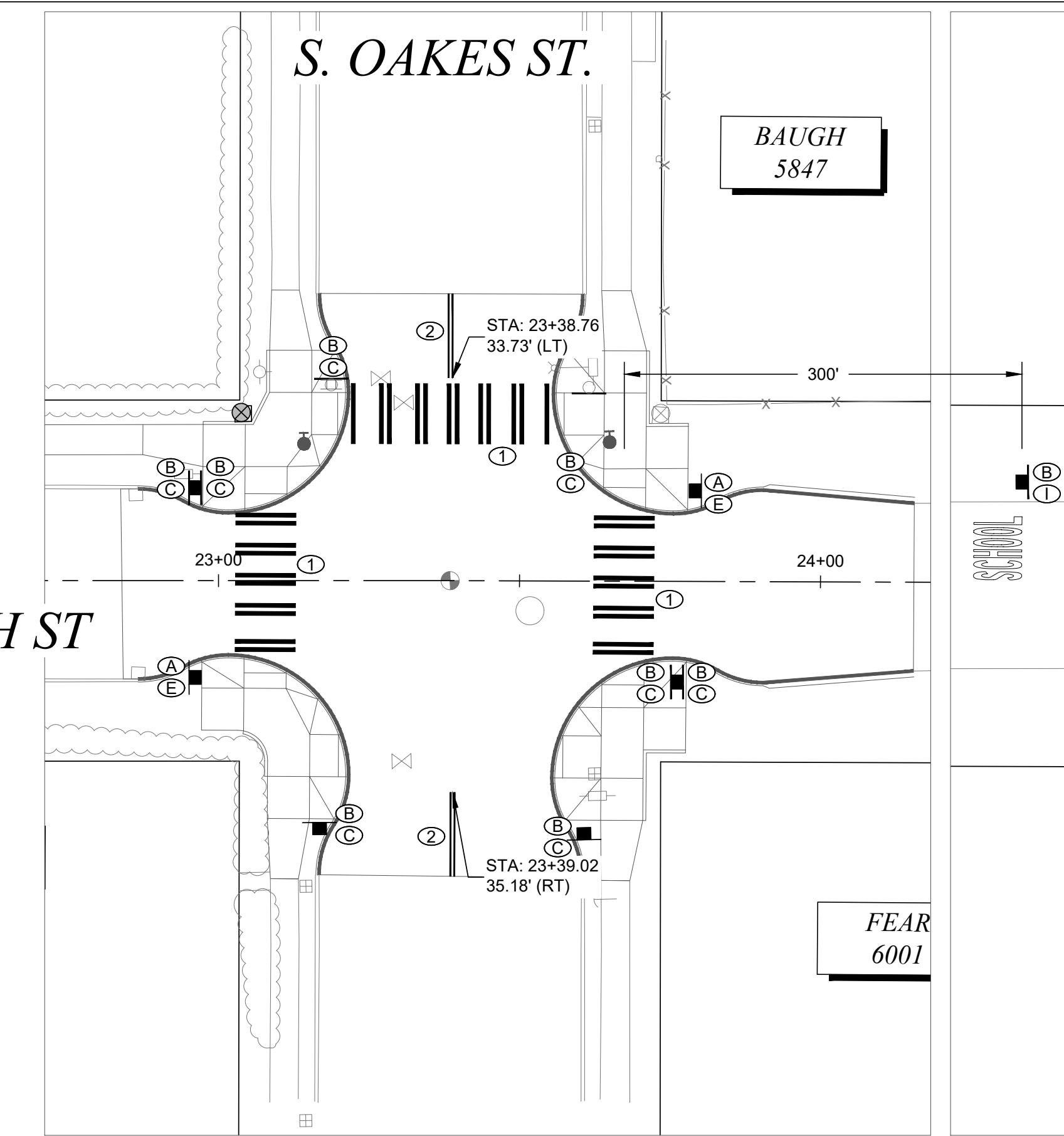
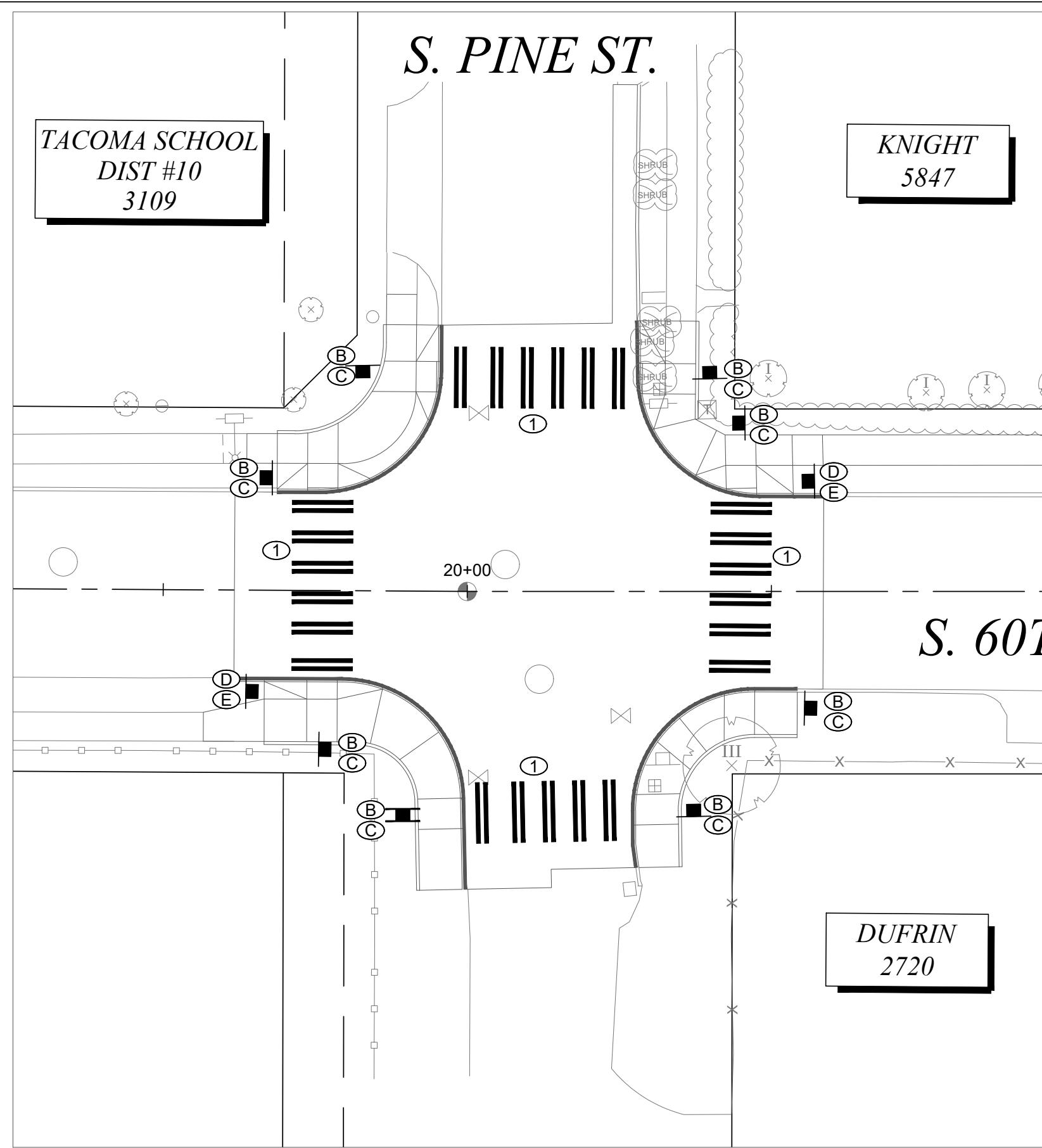
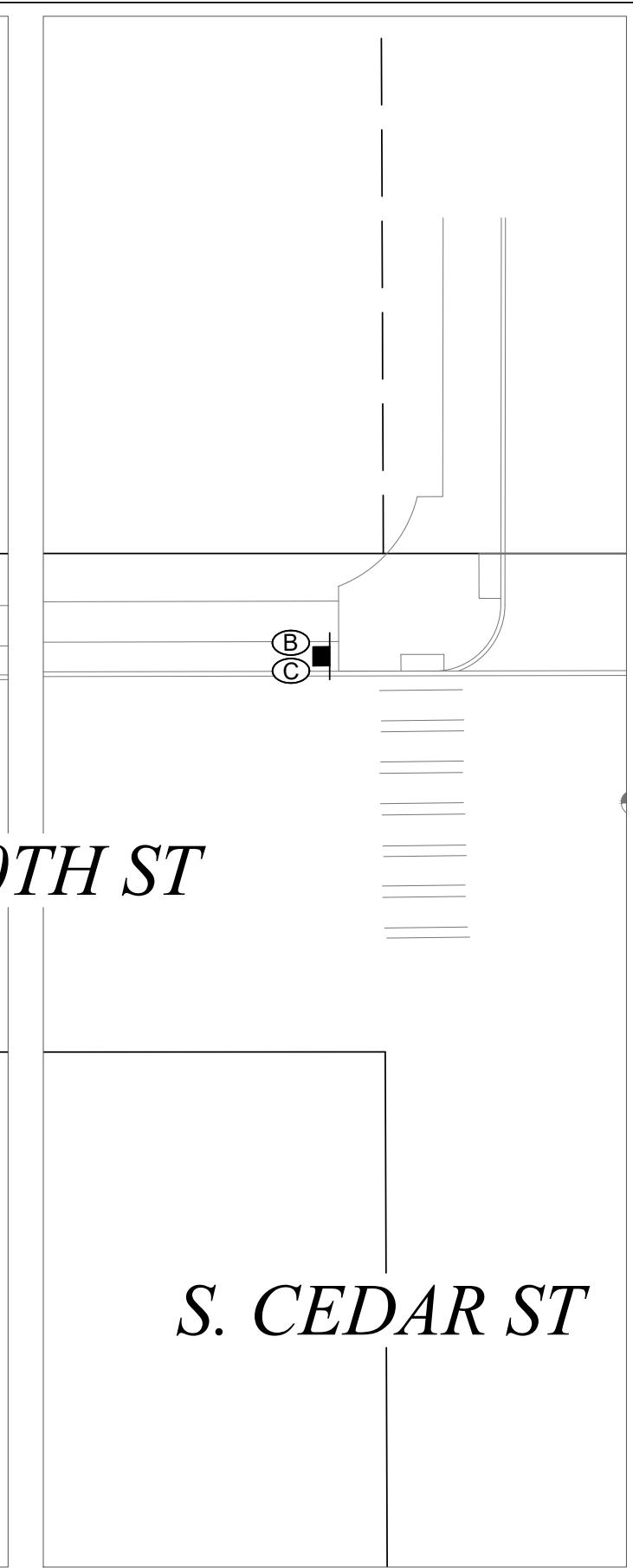
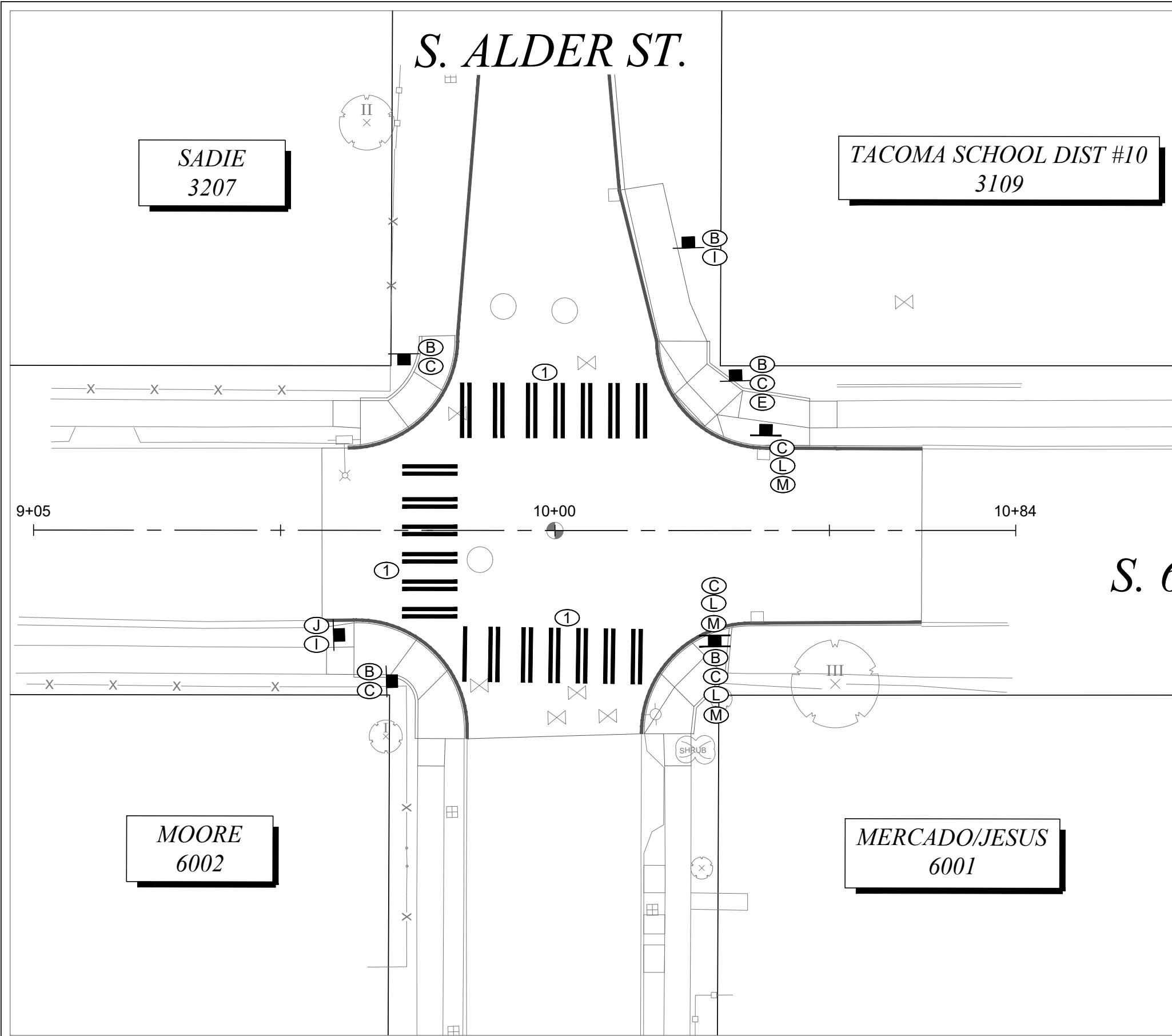


DocuSigned by:

Chris Larson
Engineering Division Manager

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
RAMP GRADING PLAN
SOUTH 37TH ST.
AT INTERSECTION OF SOUTH PARK AVE.

PWK-01034
SHEET NO. 20
IRP-8 OF IRP-8



| SEE SHEET CH-2 FOR GENERAL NOTES RELATING TO CHANNELIZATION AND SIGNING | | | |
|---|--|--|--|
| CHANNELIZATION NOTES | | | |
| (1) | PEDESTRIAN CROSSWALK, THERMOPLASTIC, PER COT STD. PLAN CH-02 | | |
| (2) | DOUBLE YELLOW CENTER LINE, THERMOPLASTIC, PER COT STD. PLAN CH-03A & CH-09 | | |
| (3) | SPEED BUMP MARKING, THERMOPLASTIC | | |
| (4) | WHITE SHARROW MARKING, THERMOPLASTIC | | |
| (5) | RED CURB, PAINT | | |
| (6) | WHITE CURB, PAINT | | |

| | TYPE | DESCRIPTION | SIZE | PROJ. QTY. |
|-----|-----------------|---|-------------------|------------|
| (A) | R1-1 | STOP | 30" X 30" | |
| (B) | S1-1 (FY) | SCHOOL CROSSING WARNING | 30" X 30" | |
| (C) | W16-7P (L/R/FY) | DIAGONAL ARROW | 24" X 12" | |
| (D) | R7-102 | NO PARKING ANY TIME (WITH NO ARROW (NA), DOUBLE ARROW (DA), LEFT ARROW (LA), OR RIGHT ARROW (RA)) | 12" X 18" | |
| (E) | | | STREETNAME VARIES | |
| (F) | S4-3 | SCHOOL (PLAQUE) | 24" X 8" | |
| (G) | R2-1 | SCHOOL SPEED LIMIT ASSEMBLY, SPEED LIMIT | 24" X 30" | |
| (H) | S4-1 | SCHOOL SPEED LIMIT ASSEMBLY "7:30 AM TO 4:00 PM" | 24" X 10" | |
| (I) | W16-9P (FY) | SCHOOL ADVANCE WARNING, "AHEAD" | 24" X 12" | |
| (J) | R1-2 | YEILD | 30" X 30" | |
| (K) | W3-4 (MOD) | RAISED CROSSWALK AHEAD | 30" X 30" | |
| (L) | R9-3 | NO PED CROSSING | 18" | |
| (M) | R9-3bP | USE CROSSWALK | 18" X 12" | |
| (N) | R3-6 (MOD) | OPTIONAL MOVEMENT LANE CONTROL | 30" X 36" | |

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NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED
BY DATE

DESIGNED BY DATE

DRAWN BY DATE

PROJECT NAME

DCS

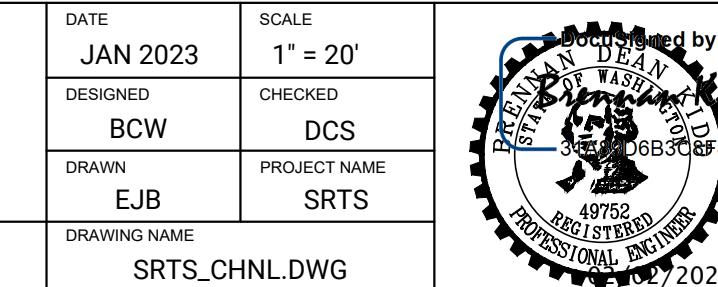
EJB

SRTS

FIELD BOOKS

DRAWING NAME

SRTS_CHNL.DWG

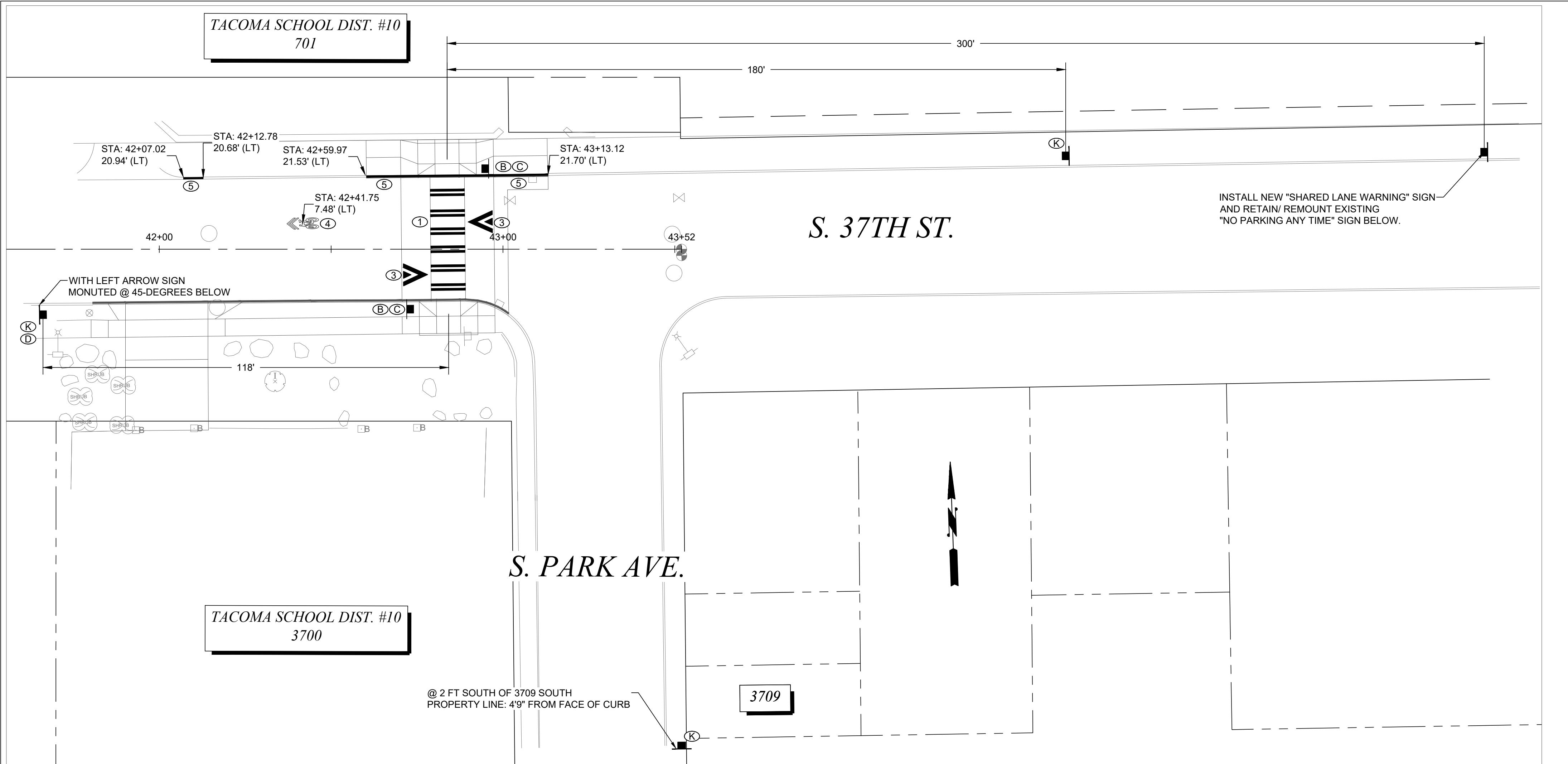


DocuSigned by:

Chris Larson

CHANNELIZATION/SIGNAL PLAN
SAFE ROUTE TO SCHOOLS
EDISON & WHITMAN ELEMENTARY / LINCOLN HIGH

PWK-01034
SHEET NO. 21
SHEET CH-1 OF CH-3



GENERAL SIGNING NOTES

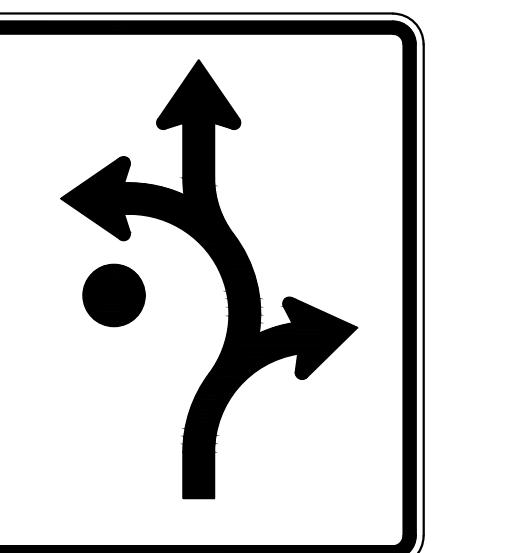
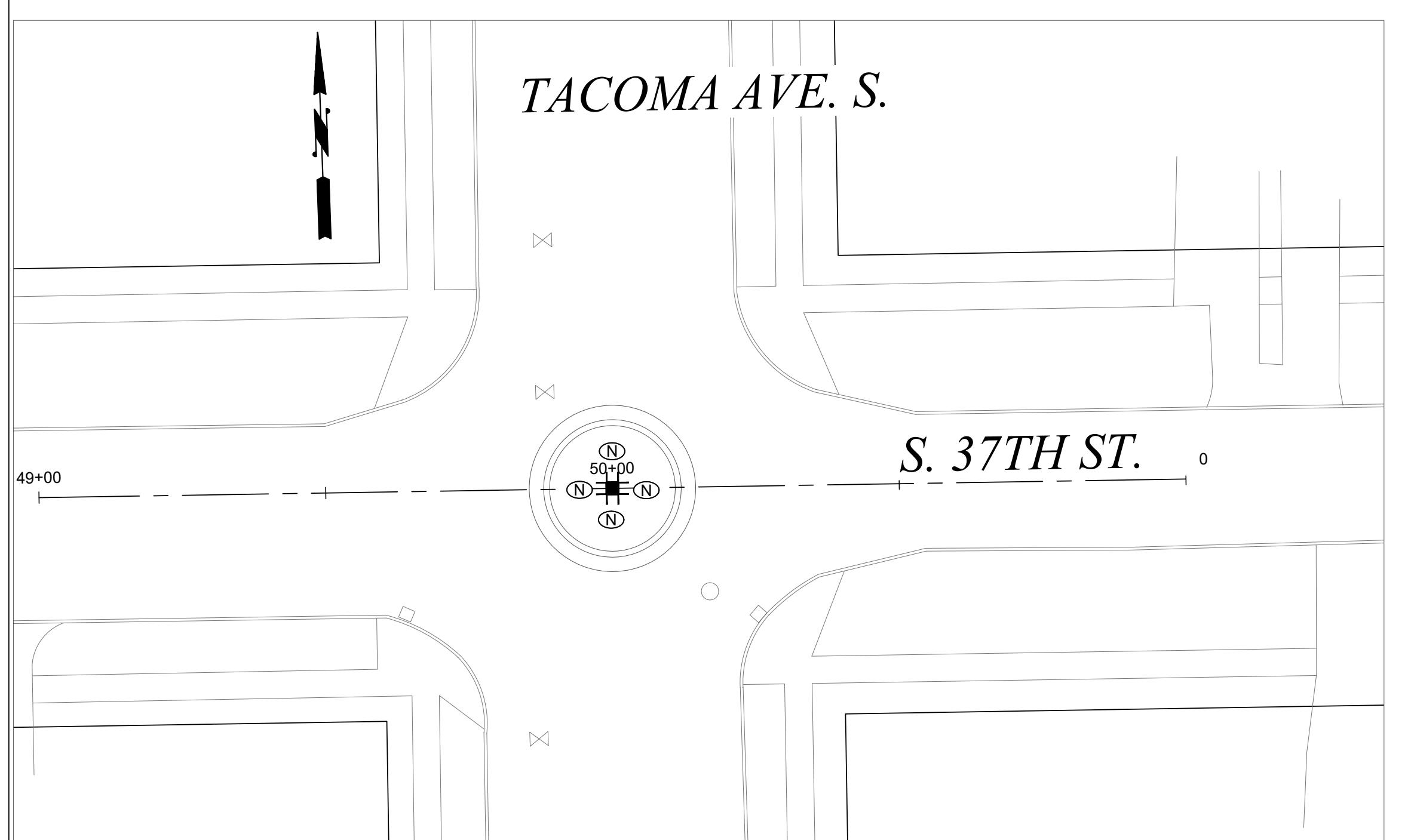
- THE CITY OF TACOMA TRAFFIC ENGINEERING SECTION SHALL BE NOTIFIED AT LEAST THREE (3) BUSINESS DAYS PRIOR TO STARTING ANY SIGNING WORK.
- TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE MOST RECENT EDITION OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK, THE MUTCD, AND/OR AS DIRECTED BY THE CITY OF TACOMA.
- 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 0.80-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.
- THE CONTRACTOR SHALL SUBMIT ALL SIGN FORMATS/LAYOUTS (WITH DIMENSIONS) TO THE CITY'S TRAFFIC ENGINEERING SECTION FOR APPROVAL PRIOR TO FABRICATION.
- 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 THE 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.
- 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.
- 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.
- 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.

GENERAL CHANNELIZATION NOTES

- THE CITY OF TACOMA TRAFFIC ENGINEERING SECTION SHALL BE NOTIFIED AT LEAST THREE (3) BUSINESS DAYS PRIOR TO STARTING ANY STRIPING WORK.
- 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.
- 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.
- 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-STRIPE AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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.
- 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 OBFSCUE ERROENEUS MARKINGS IS NOT AN APPROVED METHOD FOR OBLITERATION. STRIPPING 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.
- 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.
- 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.

SIGNING NOTES

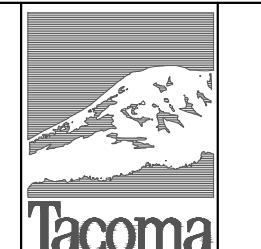
| | TYPE | DESCRIPTION | SIZE | PROJ. QTY. |
|-----|----------------------|---|-------------|------------|
| (A) | R1-1 | STOP | 30" X 30" | |
| (B) | S1-1 (FY) | SCHOOL CROSSING WARNING | 30" X 30" | |
| (C) | W16-7P (L/R/FY) | DIAGONAL ARROW | 24" X 12" | |
| (D) | R7-102 (NA/DA/LA/RA) | NO PARKING ANY TIME (WITH ARROW (DA), LEFT ARROW (LA), OR RIGHT ARROW (RA)) | 12" X 18" | |
| (E) | | STREETNAME | 9" X VARIES | |
| (F) | S4-3 | SCHOOL (PLAQUE) | 24" X 8" | |
| (G) | R2-1 | SCHOOL SPEED LIMIT ASSEMBLY, SPEED LIMIT | 24" X 30" | |
| (H) | S4-1 | SCHOOL SPEED LIMIT ASSEMBLY "7:30 AM TO 4:00 PM" | 24" X 10" | |
| (I) | W16-9P (FY) | SCHOOL ADVANCE WARNING, "AHEAD" | 24" X 12" | |
| (J) | R1-2 | YEILD | 30" X 30" | |
| (K) | W3-4 (MOD) | RAISED CROSSWALK AHEAD | 30" X 30" | |
| (L) | R9-3 | NO PED CROSSING | 18" | |
| (M) | R9-3bp | USE CROSSWALK | 18" X 12" | |
| (N) | R3-6 (MOD) | OPTIONAL MOVEMENT LANE CONTROL | 30" X 36" | |



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

- (1) PEDESTRIAN CROSSWALK, THERMOPLASTIC, PER COT STD. PLAN CH-02
- (2) DOUBLE YELLOW CENTER LINE, THERMOPLASTIC, PER COT STD. PLAN CH-03A & CH-09
- (3) SPEED BUMP MARKING, THERMOPLASTIC
- (4) WHITE SHARROW MARKING, THERMOPLASTIC
- (5) RED CURB, PAINT
- (6) WHITE CURB, PAINT

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NO

REVISION

DATE

APPD

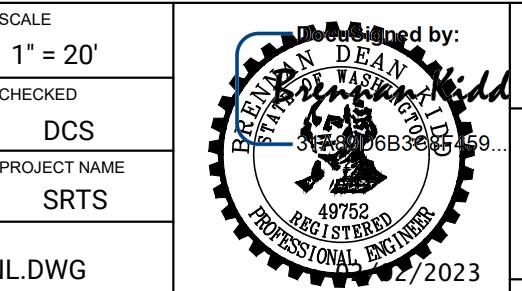
FINAL CONSTRUCTION CHECKED
BY DATE

DESIGNED
DRAWN
FIELD BOOKS

CHECKED
DCS
PROJECT NAME
EJB SRTS

DRAWING NAME

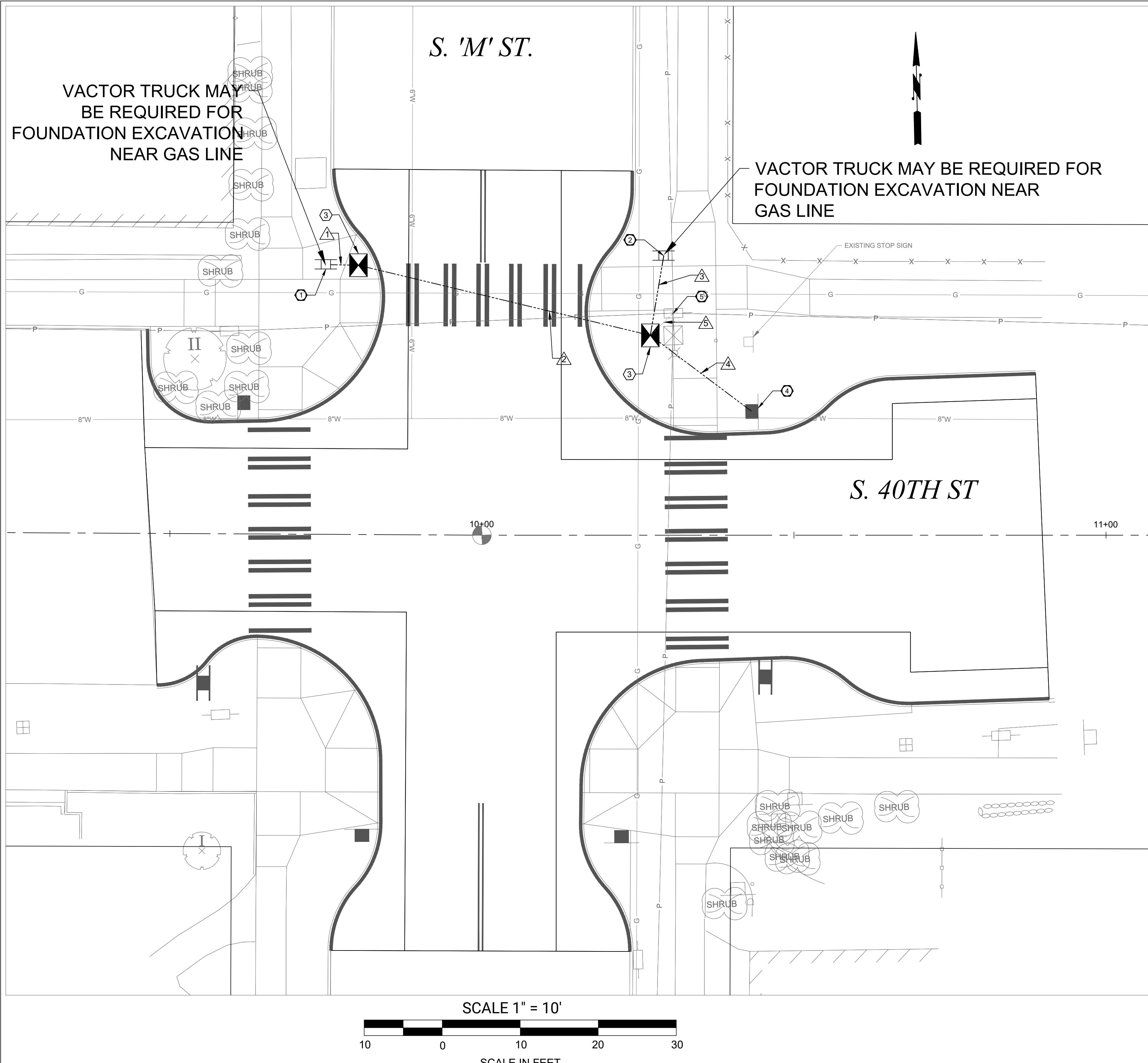
SRTS_CHNL.DWG



DocuSigned by:
Chris Larson

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
CHANNELIZATION/SIGNAL PLAN
SAFE ROUTE TO SCHOOLS
EDISON & WHITMAN ELEMENTARY / LINCOLN HIGH

PWK-01034
SHEET NO. 23
SHEET CH-3 OF CH-3



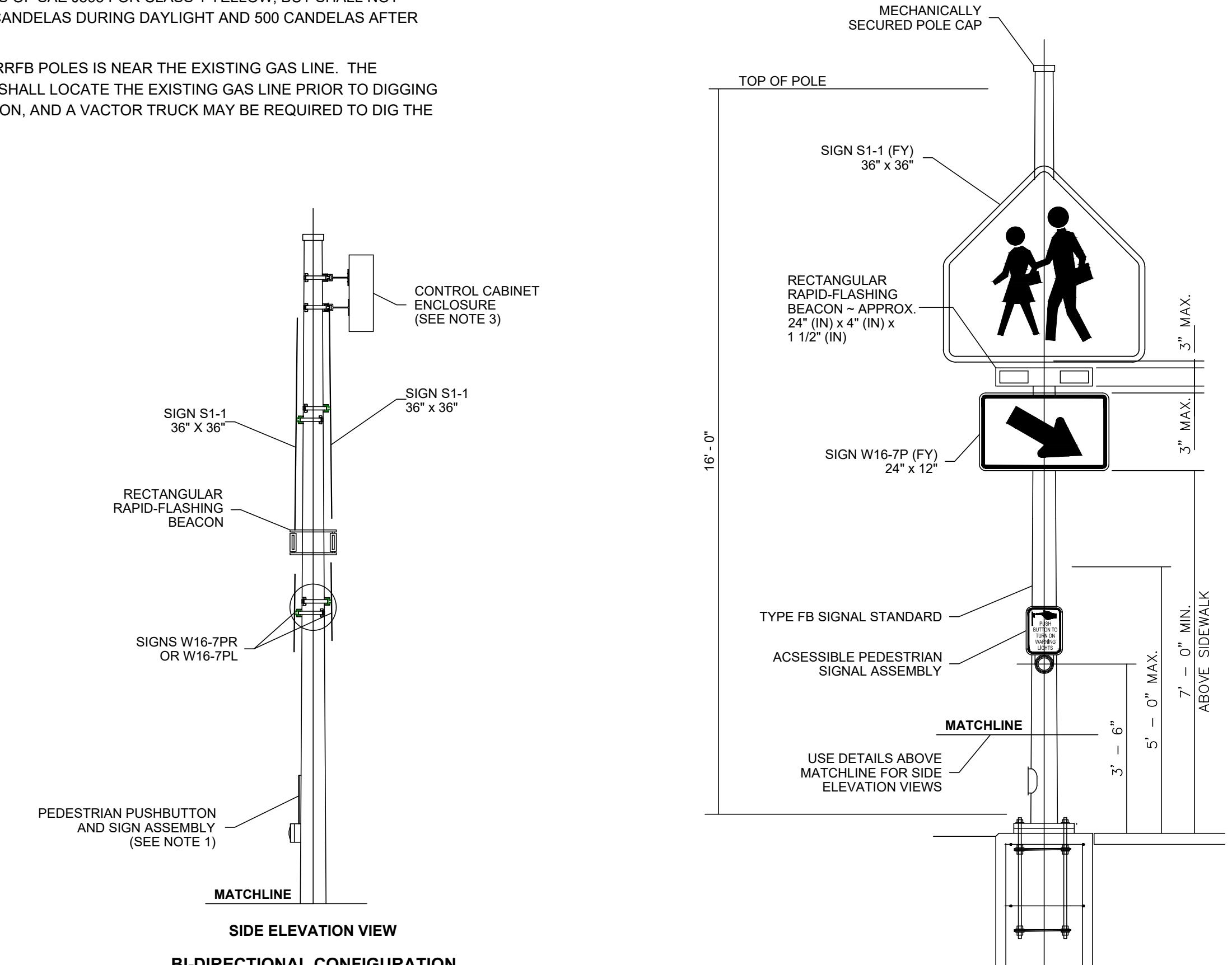
CONSTRUCTION NOTES

- ① FURNISH AND INSTALL FB POLE AND FOUNDATION PER WSDOT STANDARD PLAN J-21.10. FURNISH AND INSTALL DUAL SIDED RRFB ASSEMBLY WITH APS AND SIGNS PER DETAIL ON THIS SHEET AND CITY OF TACOMA SPECIFICATION 9-25.15 SYSTEM TO BE POWERED BY 120VAC. PUSHBUTTON TO BE WITHIN 10 INCHES OF LANDING.
- ② FURNISH AND INSTALL FB POLE AND FOUNDATION PER WSDOT STANDARD PLAN J-21.10. FURNISH AND INSTALL DUAL SIDED RRFB ASSEMBLY WITH APS AND SIGNS PER DETAIL ON THIS SHEET CITY OF TACOMA SPECIFICATION 9-25.15 SYSTEM TO BE POWERED BY 120VAC. PUSHBUTTON TO BE WITHIN 10 INCHES OF LANDING.
- ③ FURNISH AND INSTALL TYPE 1 JUNCTION BOX WITH CONCRETE BORDER PER CITY OF TACOMA STANDARD PLAN TS-08.
- ④ A. INSTALL EXISTING POLE ON NEW FOUNDATION PER WSDOT STANDARD PLAN J-21.10.
B. POLE TO HAVE NEW STOP SIGN AND NEW STREET NAME SIGN AS IDENTIFIED ON SHEET 22.
C. COORDINATE THE RELOCATION OF SCHOOL BEACON CONTROLLER WITH THE CITY OF TACOMA TRAFFIC SIGNAL SHOP.
- ⑤ EXISTING SERVICE LOCATION. CONNECT RRFB POWER TO EXISTING UNUSED BREAKER

GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS SUBMITTALS TO CITY ENGINEER FOR CITY APPROVAL PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING ELECTRICAL 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 CANDLEAS DURING DAYLIGHT AND 500 CANDLEAS AFTER DARK.
5. LOCATION OF RRFB POLES IS NEAR THE EXISTING GAS LINE. THE CONTRACTOR SHALL LOCATE THE EXISTING GAS LINE PRIOR TO DIGGING THE FOUNDATION, AND A VACTOR TRUCK MAY BE REQUIRED TO DIG THE FOUNDATION.

| LEGEND | DESCRIPTION | EXIST. | PROP. |
|--------|-------------------------------|--------|-------|
| | CONSTRUCTION NOTE | | |
| | SIGNAL POLE CONSTRUCTION NOTE | | |
| | WIRE NOTE | | |
| | RAPID-FLASHING BEACON | | |
| | TYPE PPB POST W/PUSHBUTTON(S) | | |
| | PEDESTRIAN PUSHBUTTON | | |
| | TYPE 1 SIGNAL POLE | | |
| | TYPE 1 JUNCTION BOX | | |
| | UTILITY POLE WITH LIGHT | | |
| | UTILITY POLE/POWER POLE | | |
| | GUY, ANCHOR | | |
| | CONDUIT | | |



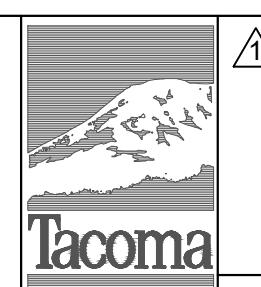
RAPID-FLASHING BEACON

| STD. No. | FIELD LOCATION | | | | POLE TYPE | FOUNDATION DEPTH (FT) | REMARKS |
|----------|----------------|--------|-----|-----|-----------|-----------------------|---------|
| | STATION | OFFSET | LT. | RT. | | | |
| 1 | 9+78.8 | 43.35 | X | | RRFB | 4.0' | 3.0' |
| 2 | 10+28.0 | 44.74 | X | | RRFB | 4.0' | 3.0' |

| WIRE NOTES | | | |
|------------|----------|----------------------------|-------|
| RUN NO. | 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 | 2" | 2 - #10 POWER 1 - #10 GRND | |
| 5 | EXISTING | 4 - #10 POWER 1 - #10 GRND | |

NOTE: ALL CONDUITS ARE NEW UNLESS OTHERWISE NOTED

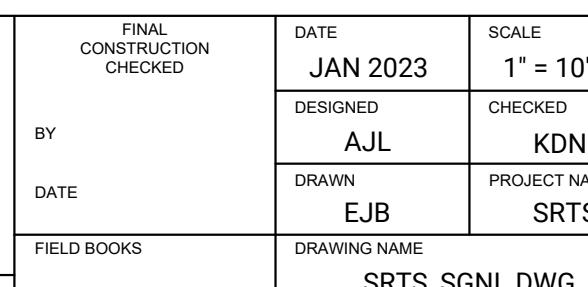
CALL BEFORE YOU DIG
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE.
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING,
POTHOLING AND AVOIDING ALL EXISTING UTILITIES.
CALL TWO BUSINESS DAYS BEFORE YOU DIG
(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



ADDENDUM 1

NO. **Tacoma** REVISION DATE APPD

FINAL CONSTRUCTION CHECKED DATE JAN 2023 SCALE 1" = 10'
BY DATE DESIGNED CHECKED KDN
DRAWN PROJECT NAME EJB SRTS
FIELD BOOKS DRAWING NAME SRTS_SGNL.DWG

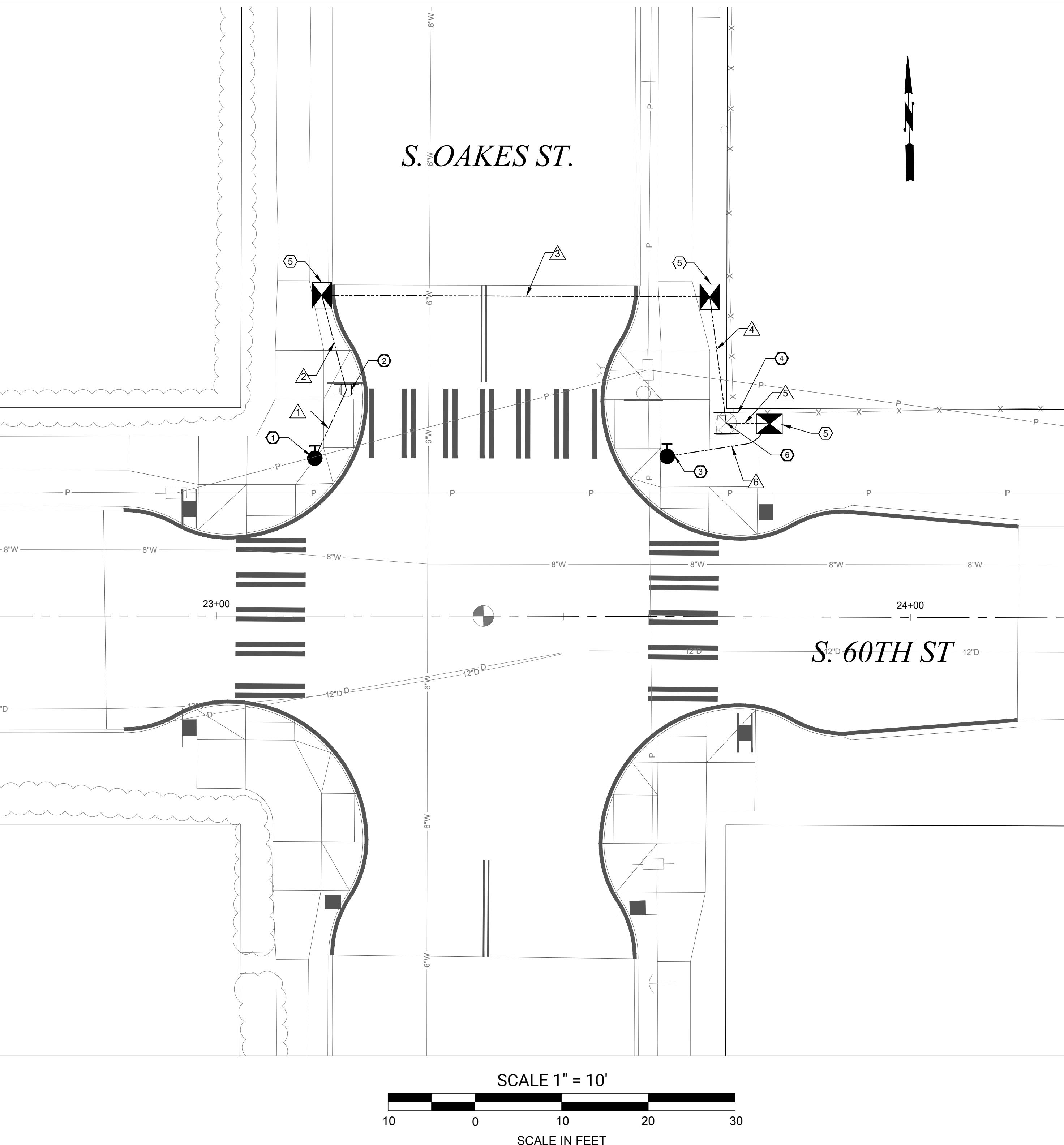


DocSigned by:
Chris Larson
ENGINEER-IN-CHARGE

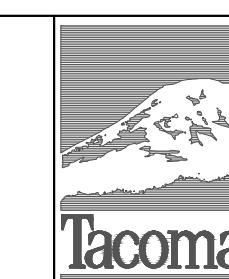
CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS
SIGNAL PLAN
SAFE ROUTE TO SCHOOLS
EDISON & WHITMAN ELEMENTARY

PWK-01034
SHEET NO. 24
SHEET SG-1 OF SG-2

S. OAKES ST.



CALL BEFORE YOU DIG
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS
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ADDENDUM 1

REVISION

NO.

DATE

APPD

FINAL CONSTRUCTION CHECKED

BY DATE

DESIGNED

CHECKED

DRAWN

PROJECT NAME

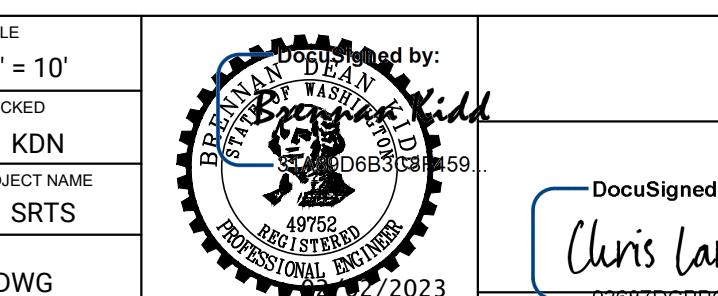
EJB

SRTS

FIELD BOOKS

DRAWING NAME

SRTS_SGNL.DWG



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
SIGNAL PLAN
SAFE ROUTE TO SCHOOLS
EDISON & WHITMAN ELEMENTARY

PWK-01034
SHEET NO. 25
SHEET SG-2 OF SG-2

CONSTRUCTION NOTES

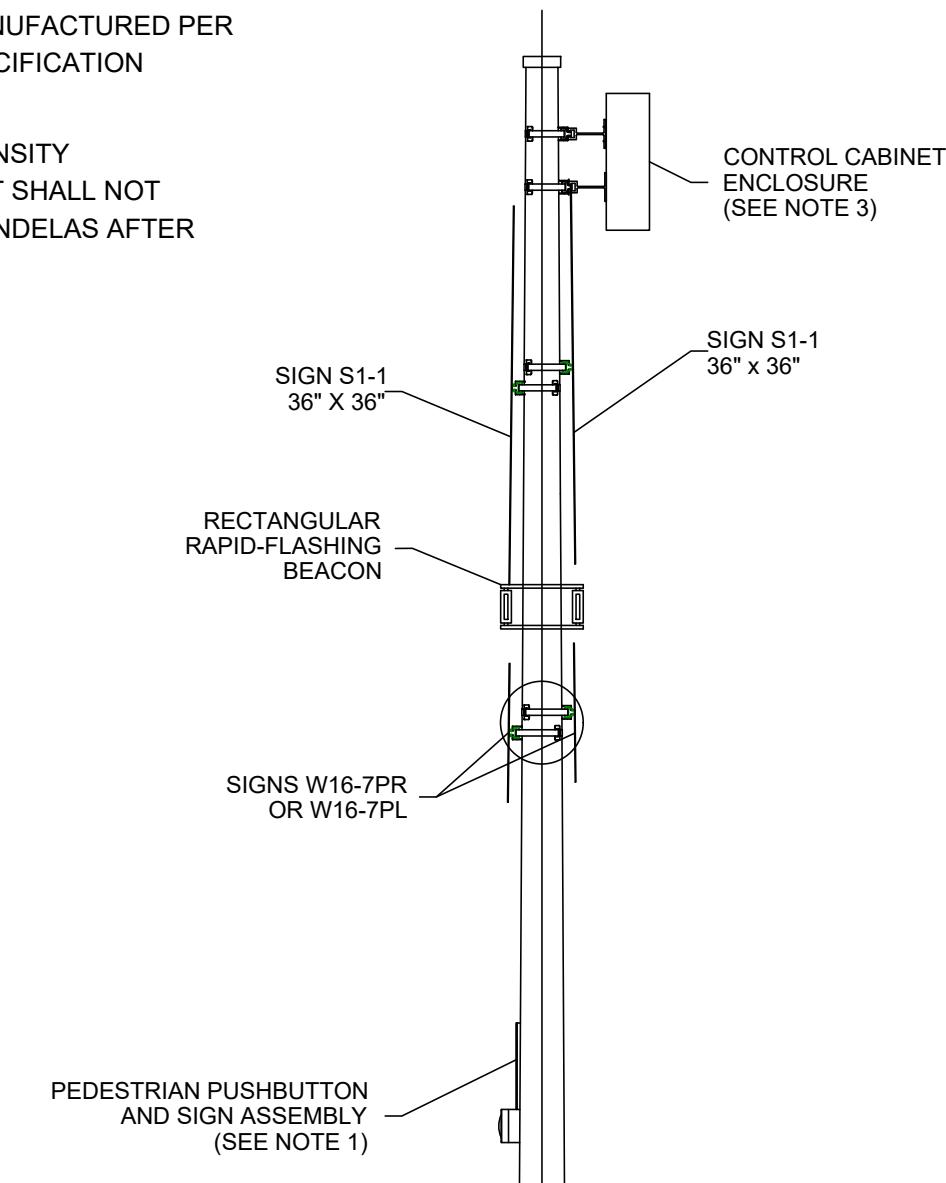
- ① FURNISH AND INSTALL ACCESSIBLE BREAKAWAY PPB POLE AND FOUNDATION PER WSDOT STANDARD PLAN J-20.15. FURNISH AND INSTALL APS AND SIGNS PER CITY OF TACOMA SPECIFICATION 9-25.15. SYSTEM TO BE POWERED BY 120VAC. PUSHBUTTON TO BE WITHIN 10 INCHES OF LANDING.
- ② FURNISH AND INSTALL FB POLE AND FOUNDATION PER WSDOT STANDARD PLAN J-21.10. FURNISH AND INSTALL DUAL SIDED RRFB ASSEMBLY AND SIGNS PER THE DETAIL ON THIS SHEET AND CITY OF TACOMA SPECIFICATION 9-25.15. SYSTEM TO BE POWERED BY 120VAC.
- ③ FURNISH AND INSTALL ACCESSIBLE BREAKAWAY PPB POLE AND FOUNDATION PER WSDOT STANDARD PLAN J-20.15. FURNISH AND INSTALL 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.
- ④ FURNISH AND INSTALL DUAL SIDED RRFB ASSEMBLY AND SIGNS ON EXISTING STRAIN POLE PER CITY OF TACOMA SPECIFICATION 9-25.15. SYSTEM TO BE POWERED BY 120VAC.
- ⑤ FURNISH AND INSTALL TYPE 1 JUNCTION BOX WITH CONCRETE BORDER PER CITY OF TACOMA STANDARD PLAN TS-08.
- ⑥ A. INTERCEPT 2" CONDUIT FROM WEST OF EXISTING POLE BASE AND EXTEND INTO NEW JUNCTION BOX.
B. CONNECT RRFB TO NEW SINGLE POLE 20 AMP BREAKER IN EXISTING SERVICE ON EXISTING STRAIN POLE.

LEGEND

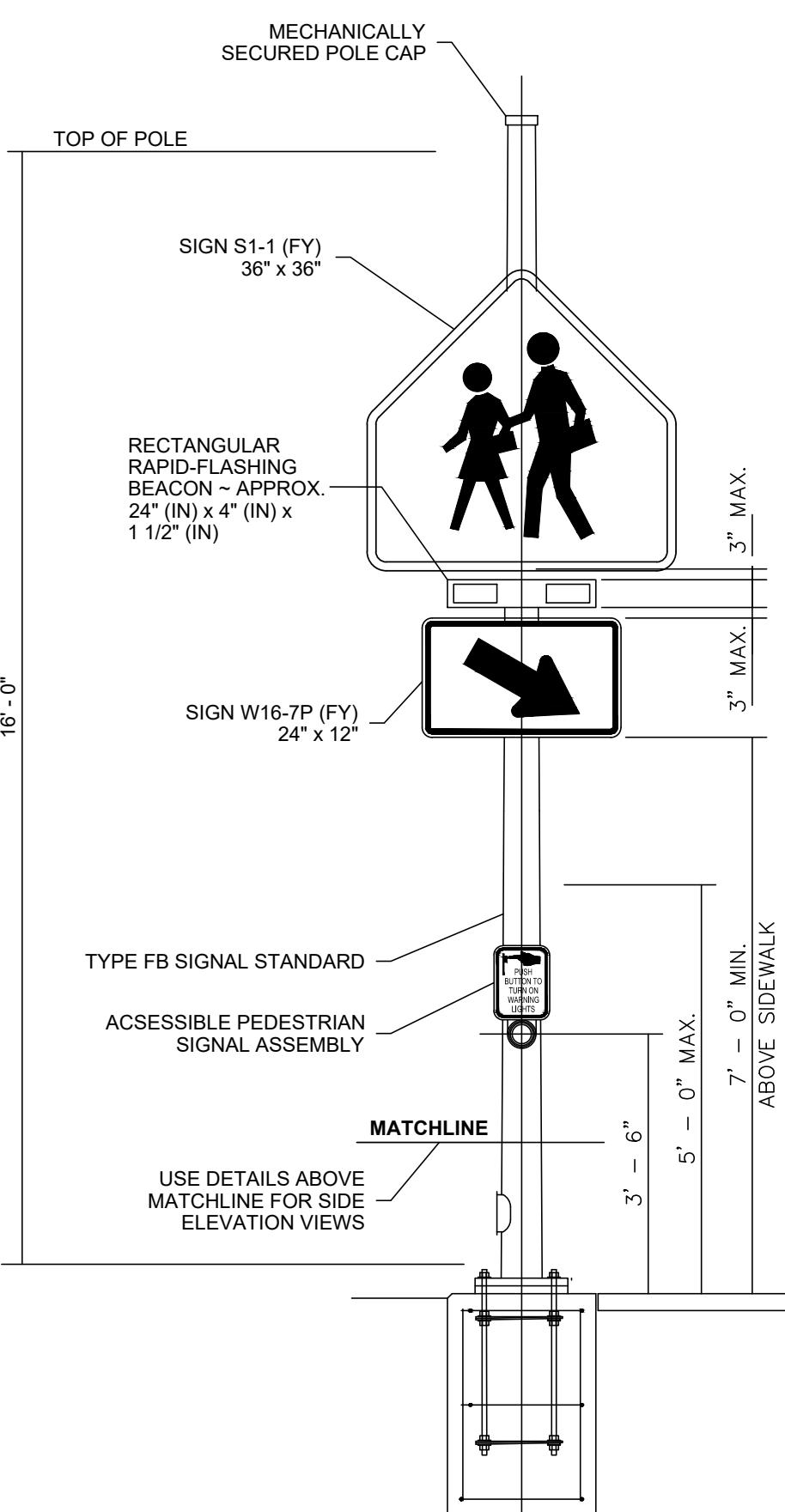
| DESCRIPTION | EXIST. | PROP. |
|-------------------------------|--------|-------|
| CONSTRUCTION NOTE | # | # |
| SIGNAL POLE CONSTRUCTION NOTE | # | # |
| WIRE NOTE | H | H |
| RAPID-FLASHING BEACON | H | H |
| TYPE PPB POST W/PUSHBUTTON(S) | • | • |
| PEDESTRIAN PUSHBUTTON | + | + |
| TYPE 1 SIGNAL POLE | ○ | ○ |
| TYPE 1 JUNCTION BOX | □ | □ |
| UTILITY POLE WITH LIGHT | × | × |
| UTILITY POLE/POWER POLE | — | — |
| GUY, ANCHOR | — | — |
| CONDUIT | ----- | ----- |

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SIDE ELEVATION VIEW
BI-DIRECTIONAL CONFIGURATION DETAILS



RAPID-FLASHING BEACON

| STD. NO. | FIELD LOCATION | | | POLE TYPE ALTERNATE 1 | FOUNDATION DEPTH (FT.) 3' RD. 3' SQ. | REMARKS |
|----------|----------------|--------|-----|--------------------------|---|---------------------|
| | STATION | OFFSET | LT. | | | |
| 1 | 23+14.20 | 22.74 | X | PPB | 1.5' | |
| 2 | 23+18.75 | 32.65 | X | RRFB | 4.0' 3.0' | |
| 3 | 23+64.98 | 23.09 | X | PPB | 1.5' | |
| 4 | 23+73.30 | 27.90 | X | EXISTING | | TYPE IV STRAIN POLE |

| WIRE NOTES | | | |
|------------|---------|----------------------------|-------|
| RUN NO. | CONDUIT | CONDUCTORS | NOTES |
| 1 | 1" | BELDEN 28601A | |
| 2 | 2" | 2 - #10 POWER 1 - #10 GRND | |
| 3 | 2" | 2 - #10 POWER 1 - #10 GRND | |
| 4 | 2" | 2 - #10 POWER 1 - #10 GRND | |
| 5 | 2" | 2 - #10 POWER 1 - #10 GRND | |
| 6 | 1" | BELDEN 28601A | |

NOTE: ALL CONDUITS ARE NEW UNLESS OTHERWISE NOTED