

**LEGEND**

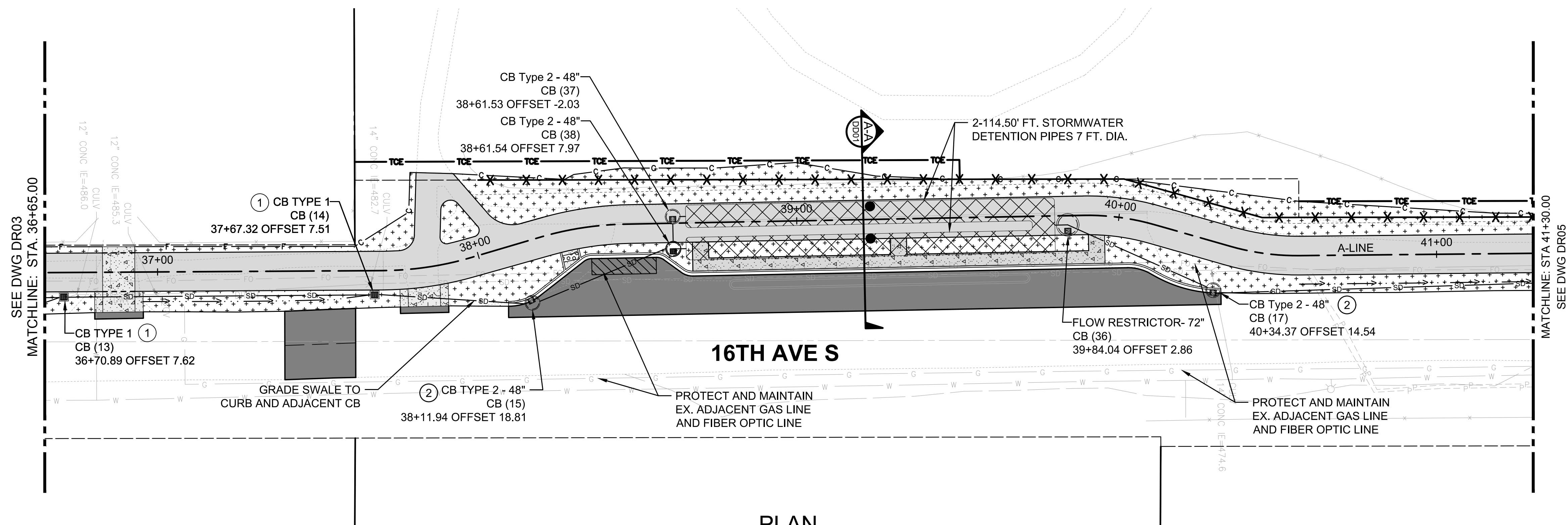
- SD— STORM DRAIN PIPE
- ...→ FLOW LINE
- CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD. 4-10 UNLESS OTHERWISE NOTED.
- CATCH BASIN TYPE 2 PER WSDOT STD. PLAN B-10.20-02 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD 4-10 UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

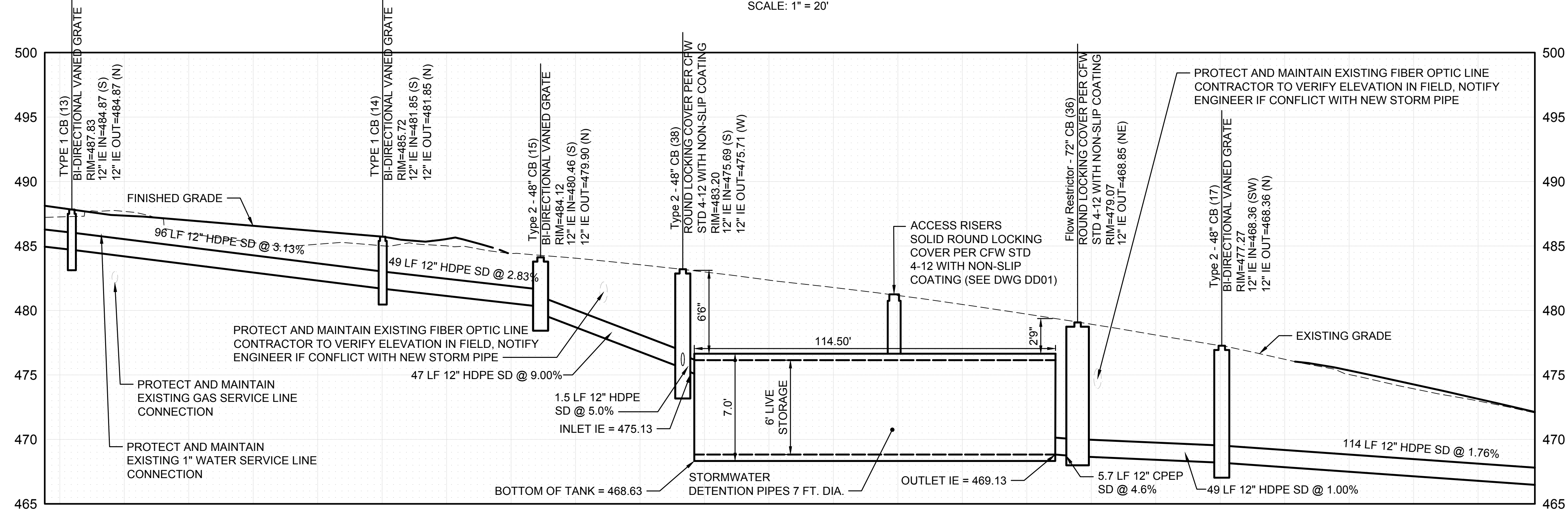
- ① TRANSITION DRAINAGE SWALE GRADING TO CONNECT TO NEW CB. TRANSITION OVER 5-FT.
- ② STORMWATER POLLUTION PREVENTION MARKER, PER CITY OF FEDERAL WAY STD. 4-11.

**GENERAL NOTES**

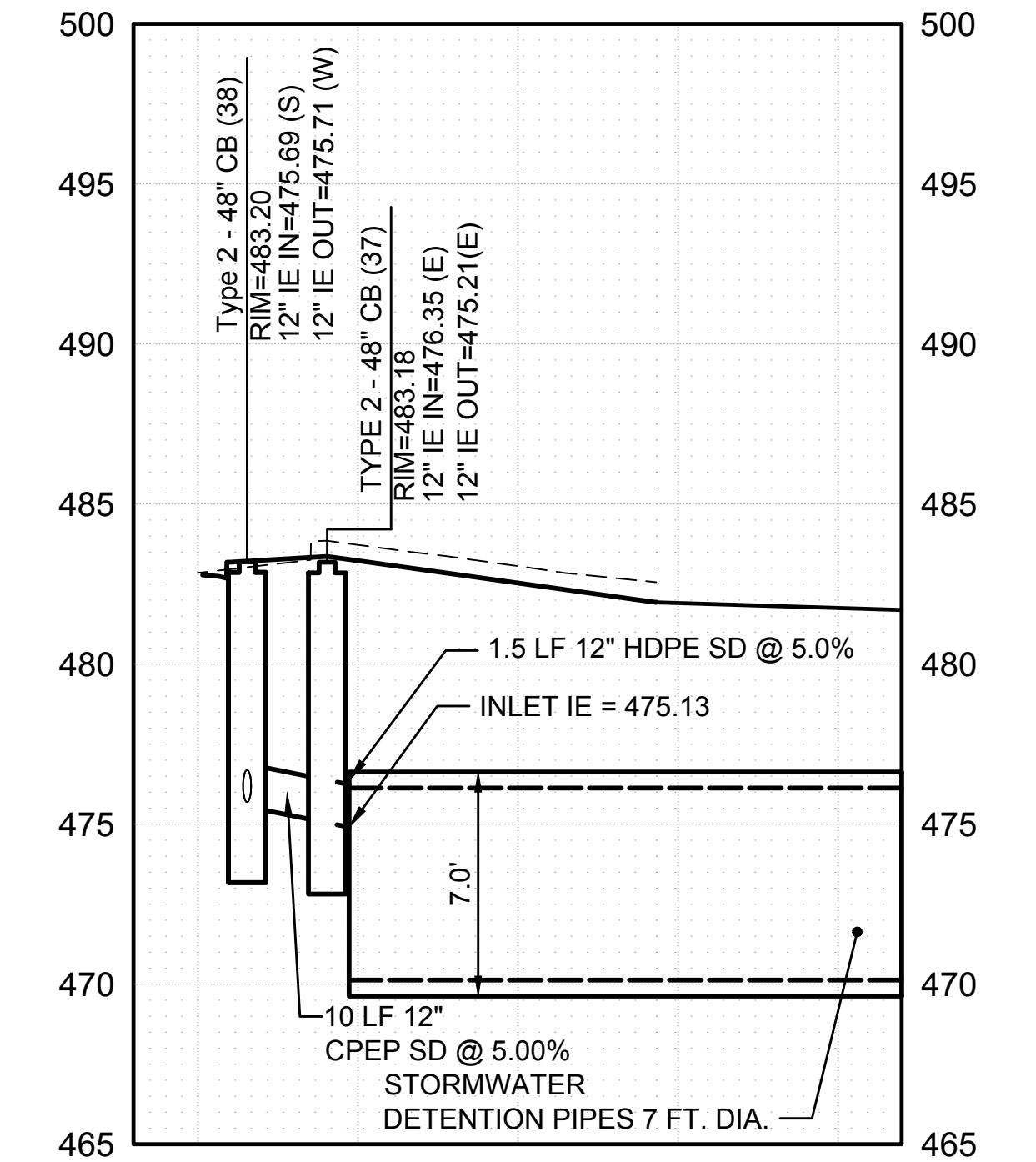
1. SEE DRAWING DD01 FOR DRAINAGE DETAILS.
2. SEE SITE PREPARATION DRAWINGS FOR RELOCATIONS OF UTILITIES AND REMOVAL OF STORMWATER FEATURES.
3. FOR NEW STORMWATER PIPES CROSSING UNDER EXISTING ROADWAY PAVEMENT, TRENCH AND RESTORE PAVEMENT PER CITY STD PLAN 3-28.
4. DI (DUCTILE IRON PIPE), HDPE (SOLID WALL POLYETHYLENE PIPE).



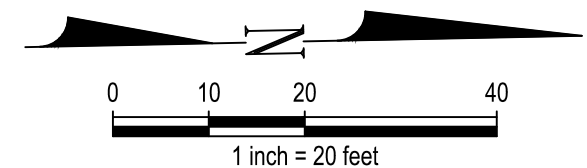
**PLAN**  
SCALE: 1" = 20'



**PROFILE**  
SCALE: H: 1" = 20' V: 1" = 5'



**PROFILE - CB 38 TO DETENTION TANK**  
SCALE: H: 1" = 20' V: 1" = 5'



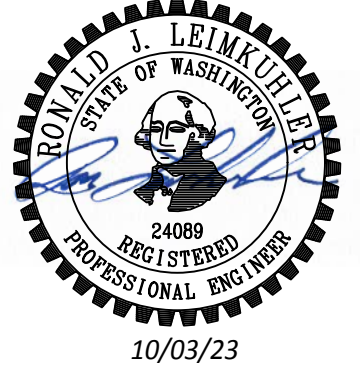
**DR04**



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DESIGNED: J. SHINN  
REVIEWED: S. BATTLE  
APPROVED: R. LEIMKUHLER

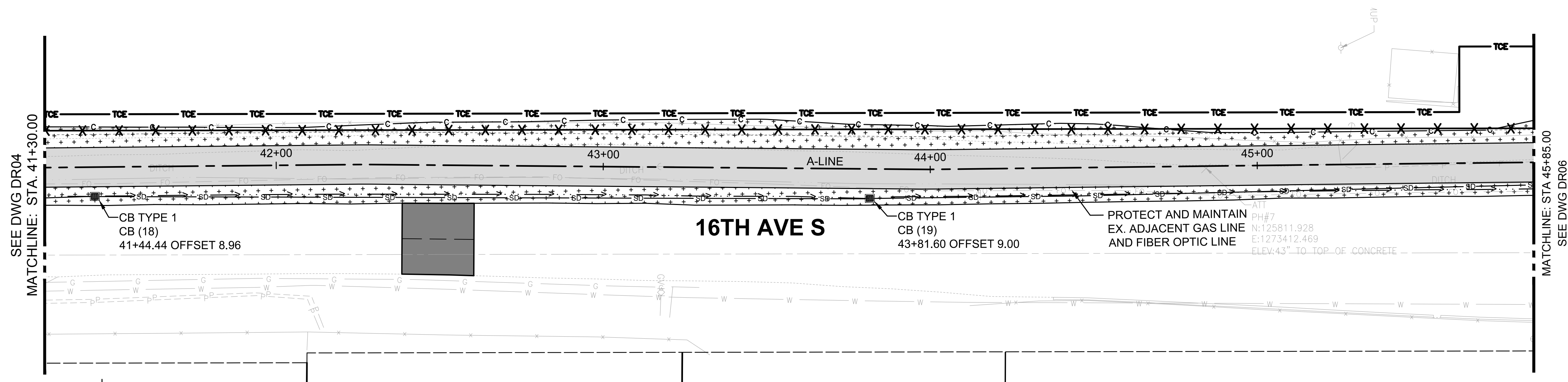


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

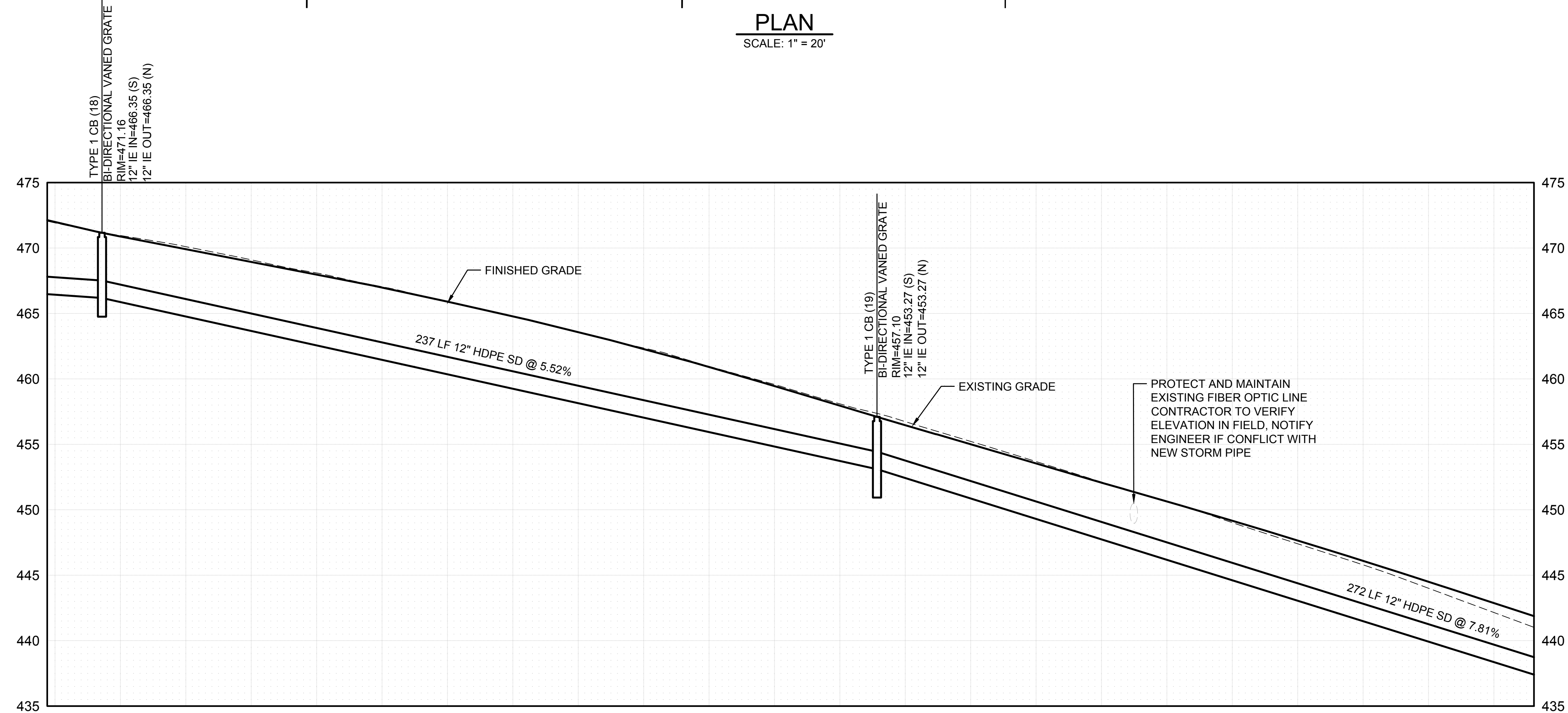
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**DRAINAGE PLANS AND PROFILES**

SHT. 41  
OF 79  
CITY PROJECT #:  
36219





**PLAN**  
SCALE: 1" = 20'



**PROFILE**  
SCALE: H: 1" = 20' V: 1" = 5'

**LEGEND**

- SD— STORM DRAIN PIPE
- ...→ FLOW LINE
- CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD. 4-10 UNLESS OTHERWISE NOTED.
- CATCH BASIN TYPE 2 PER WSDOT STD. PLAN B-10.20-02 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD. 4-10 UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① TRANSITION DRAINAGE SWALE GRADING TO CONNECT TO NEW CB. TRANSITION OVER 5-FT.
- ② STORMWATER POLLUTION PREVENTION MARKER, PER CITY OF FEDERAL WAY STD. 4-11.

**GENERAL NOTES**

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3. FOR NEW STORMWATER PIPES CROSSING UNDER EXISTING ROADWAY PAVEMENT, TRENCH AND RESTORE PAVEMENT PER CITY STD PLAN 3-28.
4. DI (DUCTILE IRON PIPE), HDPE (SOLID WALL POLYETHYLENE PIPE).

Z:\1900001-1900991\900767 Pac Hwy Non-Motorized\CADD\Design\Phase 1\PH1M-PH1-DR.dwg, 10/3/2023



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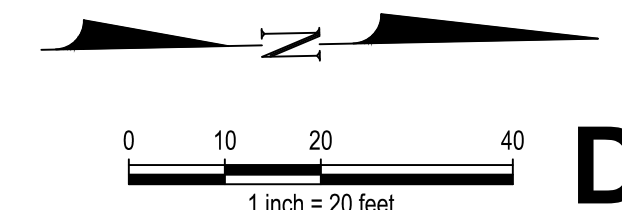
DRAFTED: J. ONG  
DESIGNED: J. SHINN  
REVIEWED: S. BATTLE  
APPROVED: R. LEIMKUHLER



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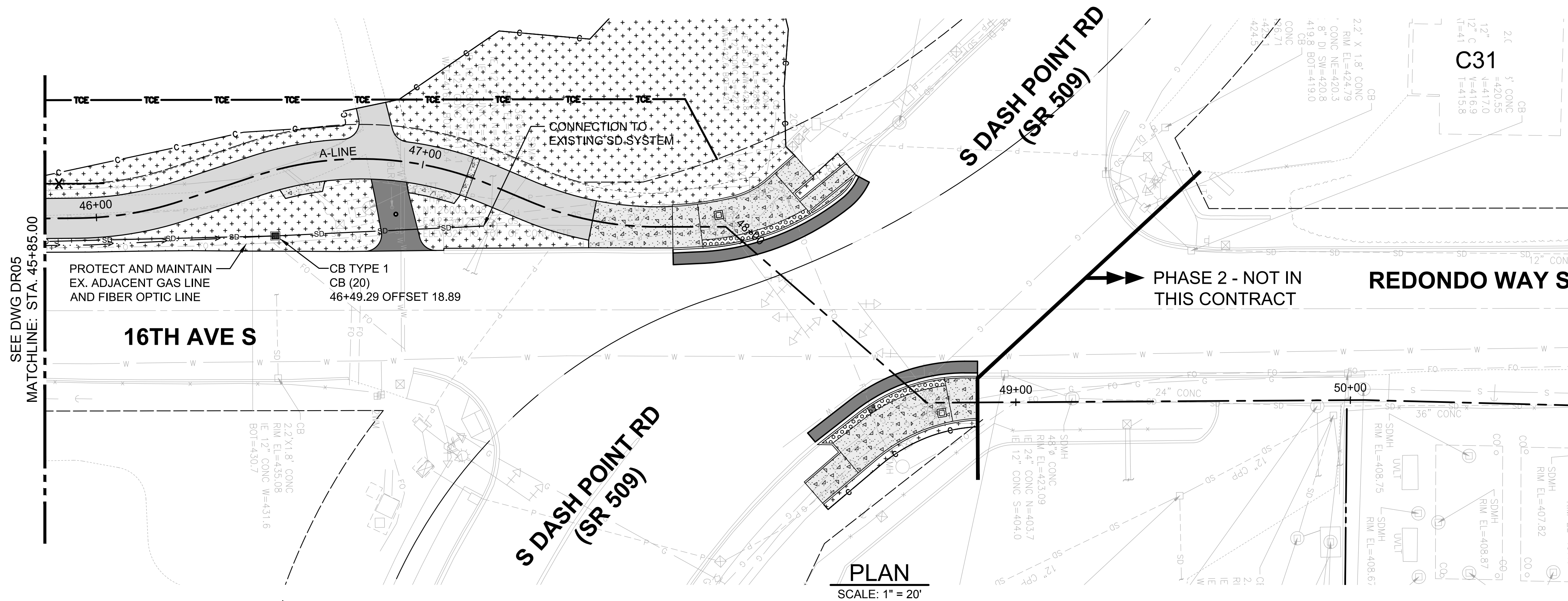
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**DRAINAGE PLANS AND PROFILES**

SHT. 42  
OF 79  
CITY PROJECT #:  
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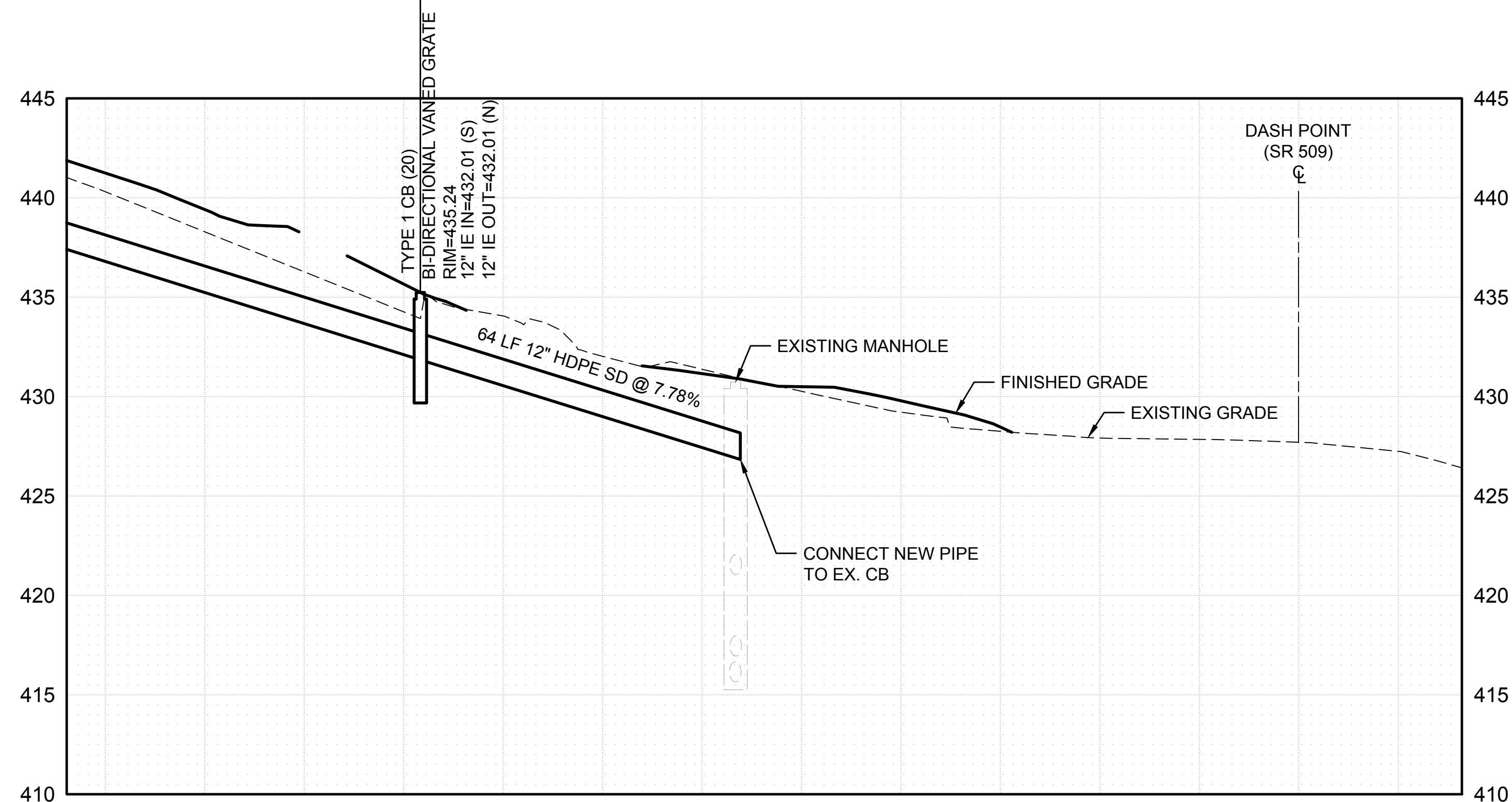


**DR05**





**PLAN**  
SCALE: 1" = 20'



**PROFILE**  
SCALE: H: 1" = 20' V: 1" = 5'

**LEGEND**

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- FLOW LINE
- CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD. 4-10 UNLESS OTHERWISE NOTED.
- CATCH BASIN TYPE 2 PER WSDOT STD. PLAN B-10.20-02 WITH BI-DIRECTIONAL VANED GRATE PER CITY OF FEDERAL WAY STD. 4-10 UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① TRANSITION DRAINAGE SWALE GRADING TO CONNECT TO NEW CB. TRANSITION OVER 5-FT.
- ② STORMWATER POLLUTION PREVENTION MARKER, PER CITY OF FEDERAL WAY STD. 4-11.

**GENERAL NOTES**

1. SEE DRAWING DD01 FOR DRAINAGE DETAILS.
2. SEE SITE PREPARATION DRAWINGS FOR RELOCATIONS OF UTILITIES AND REMOVAL OF STORMWATER FEATURES.
3. FOR NEW STORMWATER PIPES CROSSING UNDER EXISTING ROADWAY PAVEMENT, TRENCH AND RESTORE PAVEMENT PER CITY STD PLAN 3-28.
4. DI (DUCTILE IRON PIPE), HDPE (SOLID WALL POLYETHYLENE PIPE).

SEE DWG DR05  
MATCHLINE: STA. 45+85.00

**C31**

2.2' X 1.8' CONC  
RIM EL.=424.79  
CONC NE=420.3  
8" DI SW=420.8  
419.8 BOT=419.0  
CB

2.2' X 1.8' CONC  
RIM EL.=420.55  
CONC NE=417.0  
8" DI SW=416.9  
415.8 BOT=415.8  
CB

2.2' X 1.8' CONC  
RIM EL.=423.09  
CONC NE=403.7  
8" DI SW=404.0  
400.0 BOT=400.0  
CB

2.2' X 1.8' CONC  
RIM EL.=408.75  
CONC NE=408.67  
8" DI SW=408.67  
408.67 BOT=408.67  
CB

2.2' X 1.8' CONC  
RIM EL.=407.82  
CONC NE=407.82  
8" DI SW=407.82  
407.82 BOT=407.82  
CB

2.2' X 1.8' CONC  
RIM EL.=408.87  
CONC NE=408.87  
8" DI SW=408.87  
408.87 BOT=408.87  
CB

2.2' X 1.8' CONC  
RIM EL.=408.67  
CONC NE=408.67  
8" DI SW=408.67  
408.67 BOT=408.67  
CB

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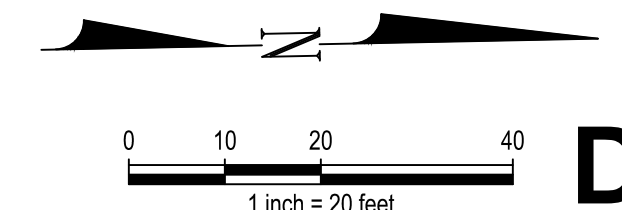


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**DRAINAGE PLANS AND PROFILES**

SHT. 43  
OF 79  
CITY PROJECT #:  
36219

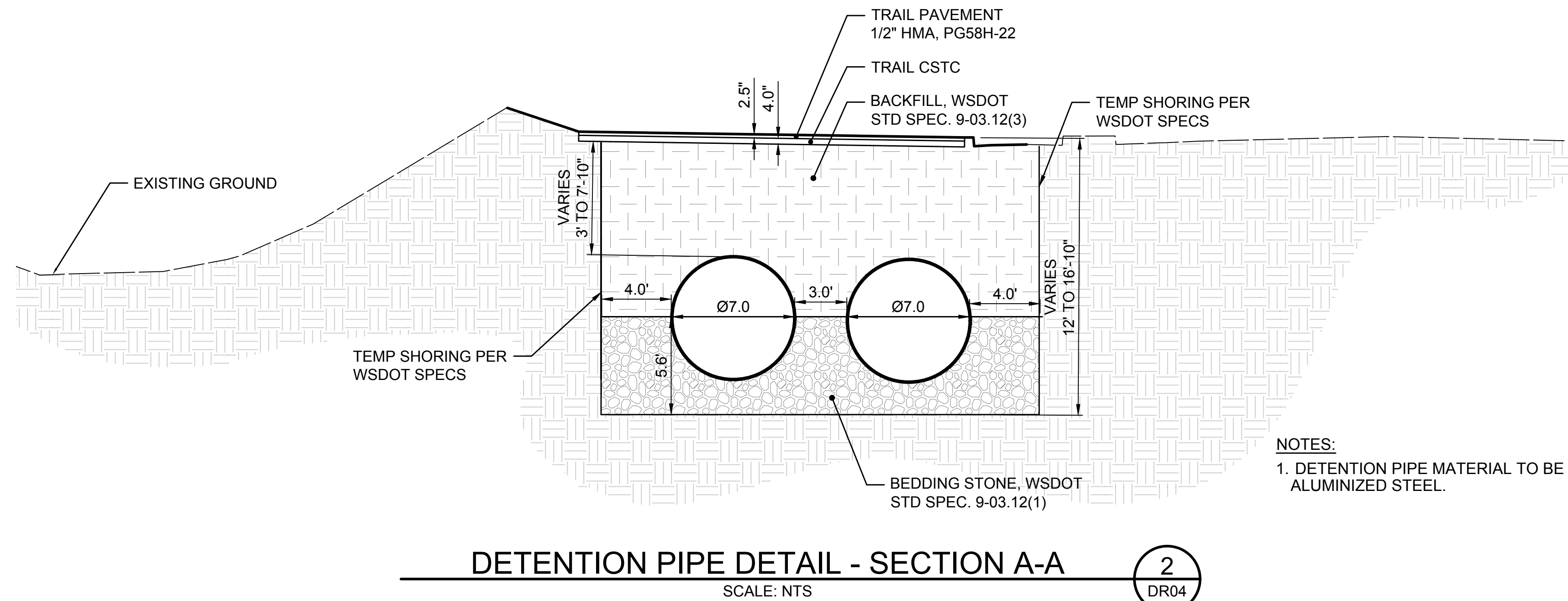
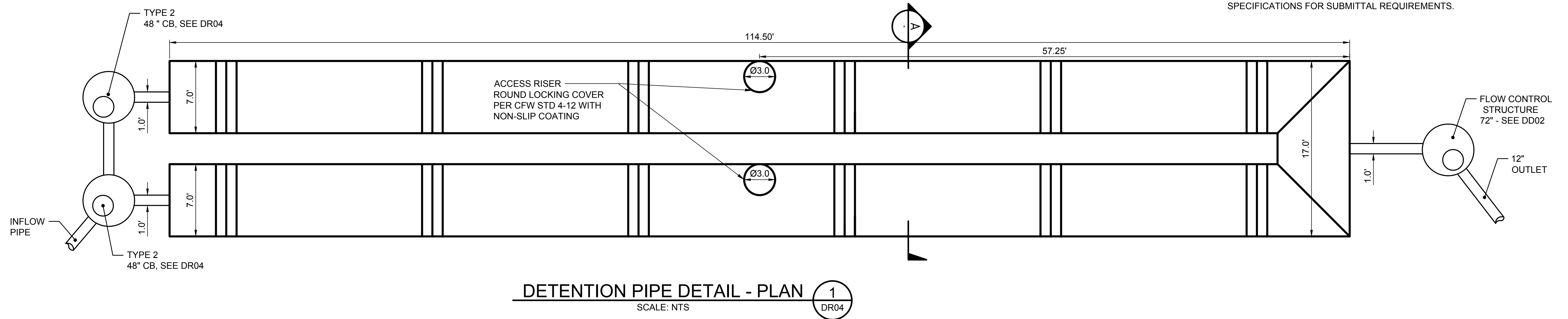


**DR06**



**GENERAL NOTES**

1. SEE DWG TS01 FOR TRAIL TYPICAL SECTIONS.
2. SEE DRAINAGE DRAWINGS FOR STRUCTURE LOCATIONS.
3. CONTRACTOR TO PROVIDE DETENTION TANK DRAWINGS STAMPED AND SIGNED BY MANUFACTURER TO MEET THE DESIGN ELEMENTS AS SHOWN ON THESE DETAIL SHEETS. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.



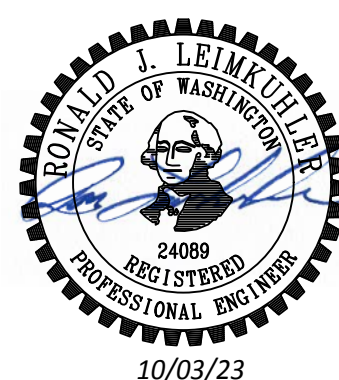
NOTES:  
1. DETENTION PIPE MATERIAL TO BE ALUMINIZED STEEL.



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REVIEWED: S. BATTLE  
APPROVED: R. LEIMKUEHLER



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**DRAINAGE DETAILS**

**DD01**

SHT. 44  
OF 79

CITY PROJECT #:  
36219



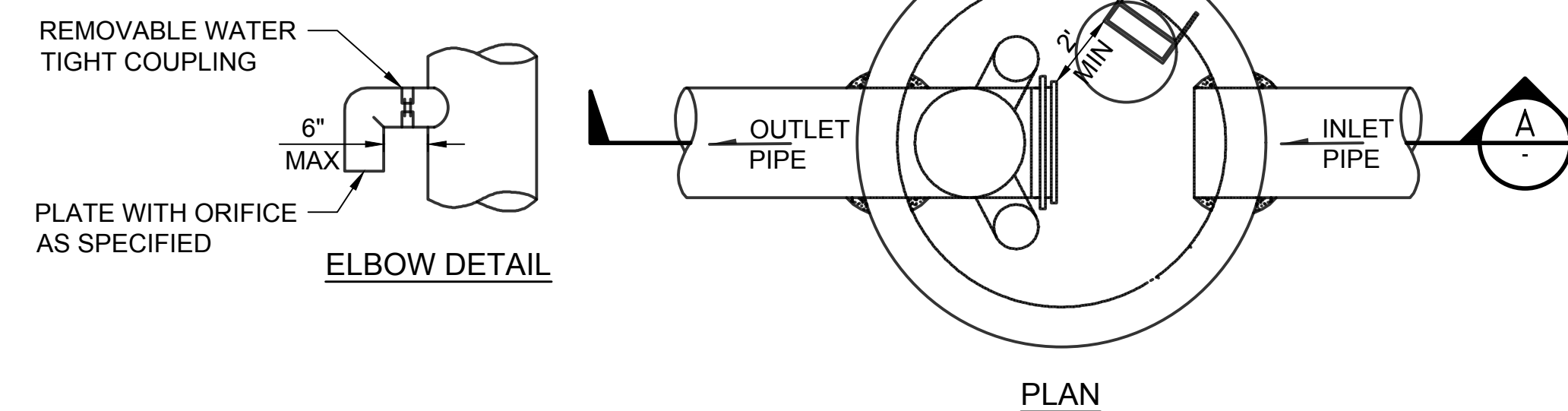
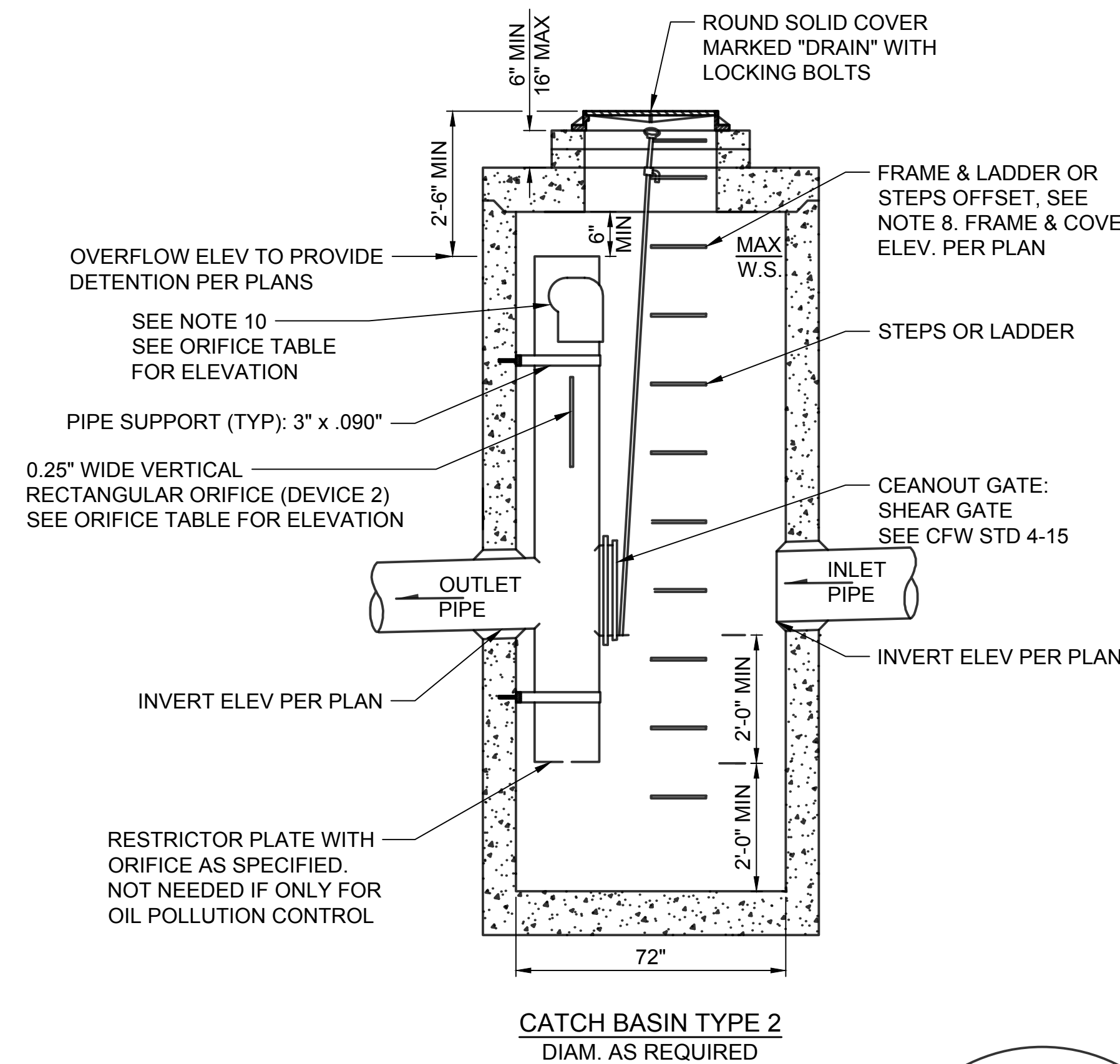
**GENERAL NOTES**

1. SEE DWG TS01 FOR TRAIL TYPICAL SECTIONS.
2. SEE DRAINAGE DRAWINGS FOR STRUCTURE LOCATIONS.

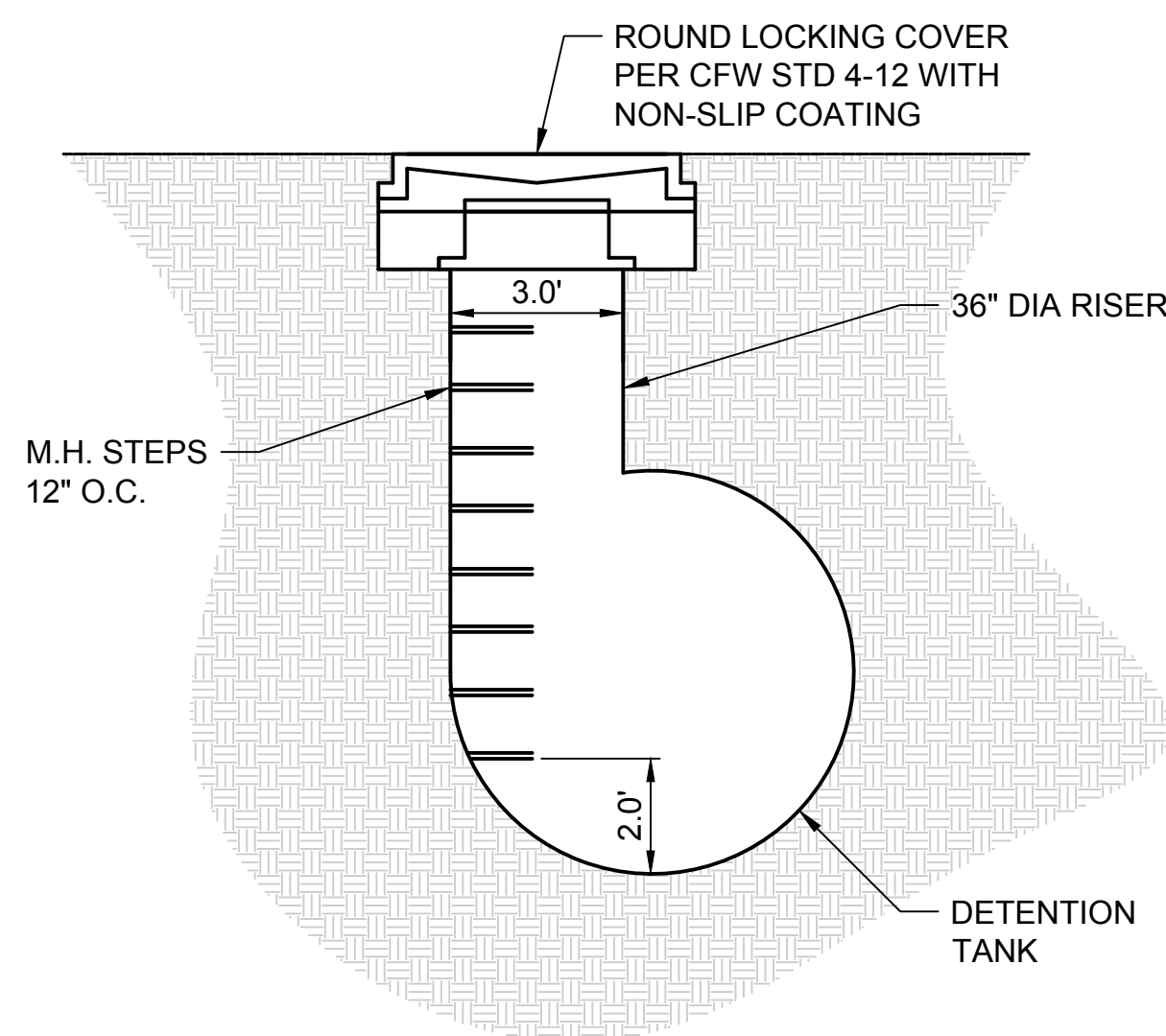
FLOW RESTRICTOR ORIFICE TABLE				
TYPE	ELEVATION	DIA. (IN.)	LENGTH (IN.)	HEIGHT (IN.)
Circular	469	1.03	N/A	N/A
Rectangular	470.61	N/A	0.25	18.29

**NOTES:**

1. PIPE SIZES AND SLOPES: PER PLANS.
2. OUTLET CAPACITY: NOT LESS THAN COMBINED INLETS.
3. EXCEPT AS SHOWN OR NOTED, UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS FOR CATCH BASIN TYPE 2, 54" MIN. DIAM.
4. PIPE SUPPORTS AND RESTRICTOR/SEPARATOR SHALL BE OF SAME MATERIAL AND BE ANCHORED AT 3' MAX. SPACING BY 5/8" DIAM. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED 2" IN WALL.
5. THE RESTRICTOR/SEPARATOR SHALL BE FABRICATED FROM .060" ALUMINUM OR .064" ALUMINIZED STEEL OR .064" GALVANIZED STEEL PIPE, IN ACCORDANCE WITH AASHTO M 36, M 196, M 197 AND M 274. GALVANIZED STEEL SHALL HAVE TREATMENT 1.
6. OUTLET SHALL BE CONNECTED TO CULVERT OR SEWER PIPE WITH A STANDARD COUPLING BAND FOR CORRUGATED METAL PIPE, OR GROUTED INTO THE BELL OF CONCRETE PIPE.
7. THE VERTICAL RISER STEM OF THE RESTRICTOR/SEPARATOR SHALL BE THE SAME DIAM. AS THE HORIZONTAL OUTLET PIPE, WITH AN 8" MIN. DIAM.
8. FRAME AND LADDER OR STEPS OFFSET SO THAT:
  - A. CLEANOUT GATE IS VISIBLE FROM TOP
  - B. CLMB DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
  - C. FRAME IS CLEAR OF CURB
9. IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4".
10. MULTI-ORIFICE ELBOWS MAY BE LOCATED AS SHOWN OR ALL ON ONE SIDE OF RISER TO ASSURE LADDER CLEARANCE.
11. ORIFICE MUST BE INSPECTED PRIOR TO INSTALLATION.



**FLOW RESTRICTOR CONTROL STRUCTURE**  
SCALE: NTS



**ACCESS RISER DETAIL**  
SCALE: NTS

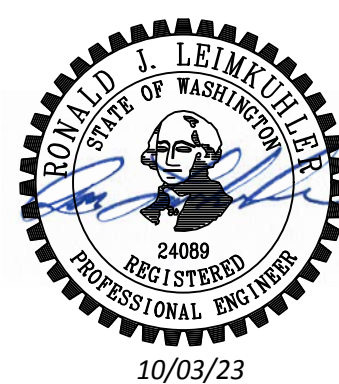
3  
DR04



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REVIEWED: S. BATTLE  
APPROVED: R. LEIMKUEHLER



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

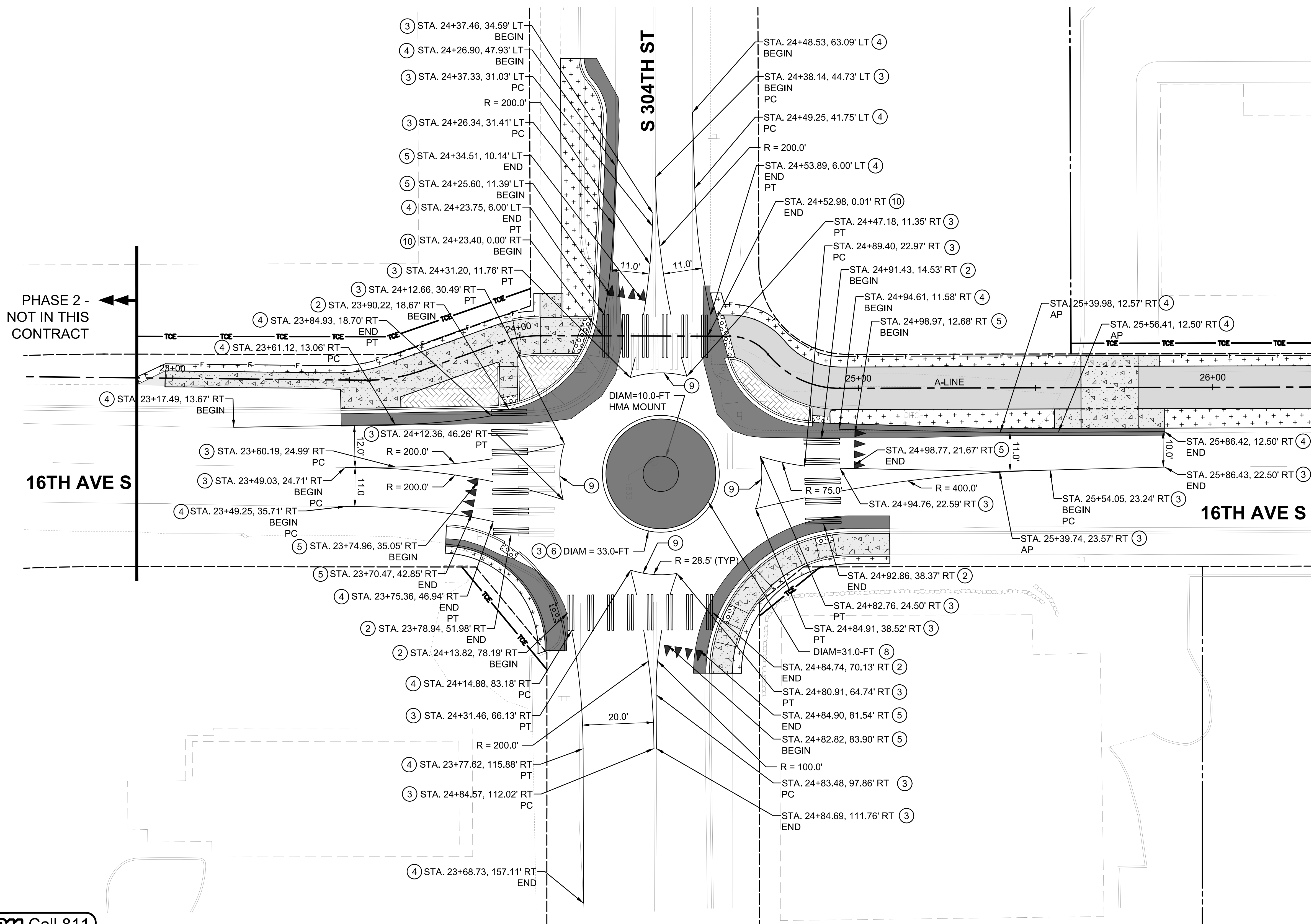
**DRAINAGE DETAILS**

**DD02**

SHT. 45  
OF 79  
CITY PROJECT #:  
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**PAVEMENT MARKING NOTES**

- ① PLASTIC STOP LINE PER CITY OF FEDERAL WAY STD 3-21, MATERIAL TYPE A
- ② PLASTIC CROSSWALK LINE PER CITY OF FEDERAL WAY STD 3-21, MATERIAL TYPE A.
- ③ PAINT LINE, 4" PAINTED YELLOW EDGE LINE
- ④ PAINT LINE, 4" PAINTED WHITE EDGE LINE
- ⑤ PLASTIC YIELD LINE SYMBOL TYPE 2 PER WSDOT STD PLAN M-24.60 MATERIAL TYPE A
- ⑥ RAISED PAVEMENT MARKER TYPE 2, SPACED 3-FT O.C.
- ⑦ SEE PAVING AND GRADING PLANS FOR SPEED TABLE LOCATIONS
- ⑧ TUSCAN RED MMA COLORED PAVEMENT MARKING FOR CENTER ISLAND, MATERIAL TYPE D
- ⑨ PAINT LINE, 8" WHITE PAINTED WIDE LINE
- ⑩ PLASTIC CROSSWALK LINE, 12' WIDE

**GENERAL NOTES**

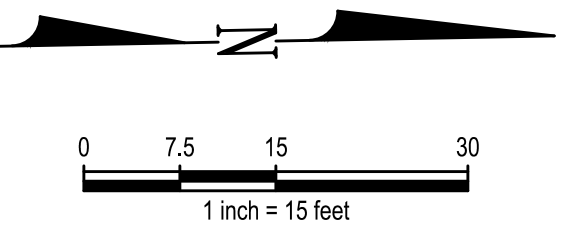
- 1. REMOVE EXISTING CONFLICTING PAVEMENT MARKING.
- 2. ALL STATIONING AND OFFSETS FOR PAVEMENT MARKING SYMBOLS ARE TO CENTER OF PAVEMENT MARKING SYMBOL.

PHASE 2 - NOT IN THIS CONTRACT

16TH AVE S

S 304TH ST

16TH AVE S

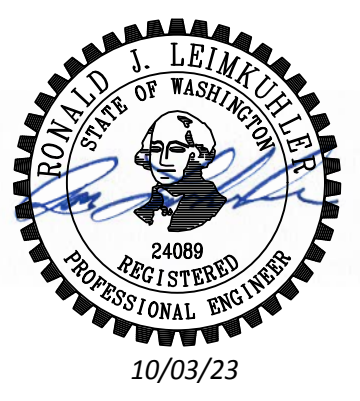


**PM01**

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APPROVED: R. LEIMKUEHLER



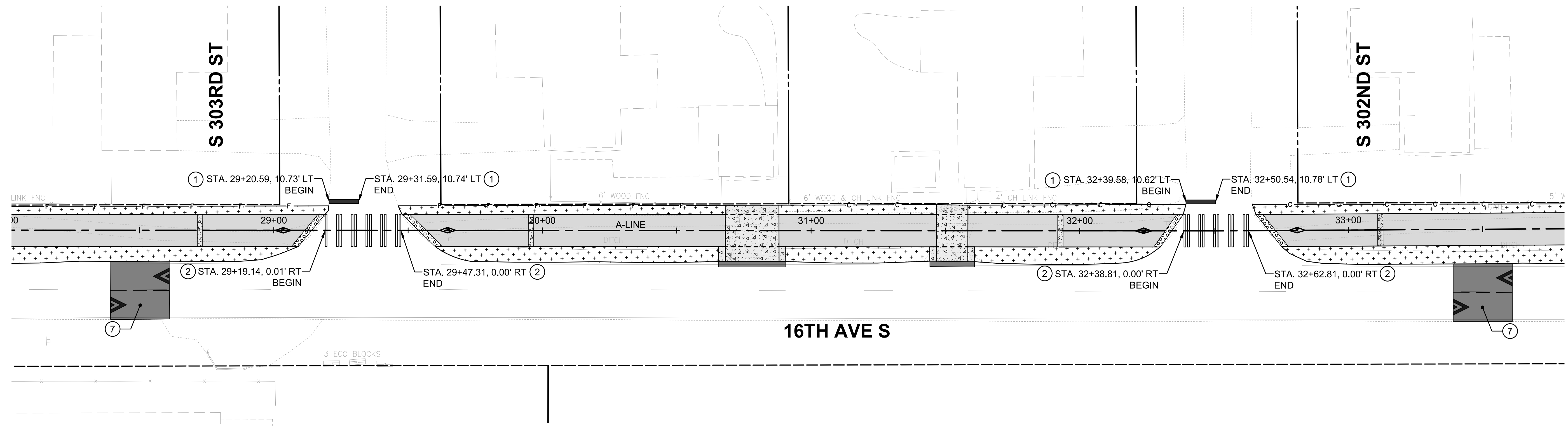
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PAVEMENT MARKING PLAN**

SHT. 46  
OF 79  
CITY PROJECT #:  
36219



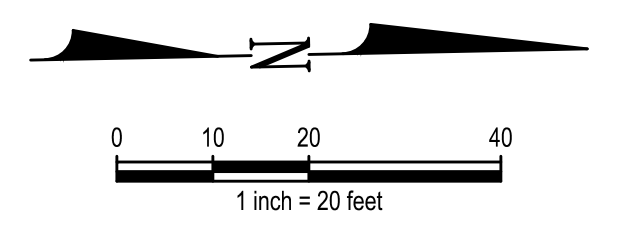


**PAVEMENT MARKING NOTES**

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- ⑥ RAISED PAVEMENT MARKER TYPE 2, SPACED 3-FT O.C.
- ⑦ SEE PAVING AND GRADING PLANS FOR SPEED TABLE LOCATIONS
- ⑧ TUSCAN RED MMA COLORED PAVEMENT MARKING FOR CENTER ISLAND, MATERIAL TYPE D
- ⑨ PAINT LINE, 8" WHITE PAINTED WIDE LINE
- ⑩ PLASTIC CROSSWALK LINE, 12' WIDE

**GENERAL NOTES**

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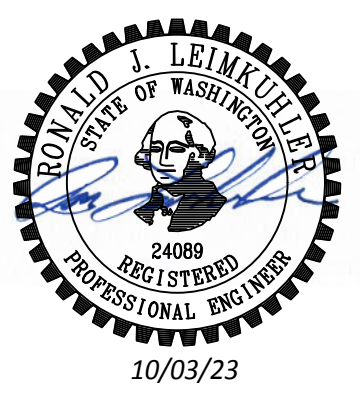
**PM02**



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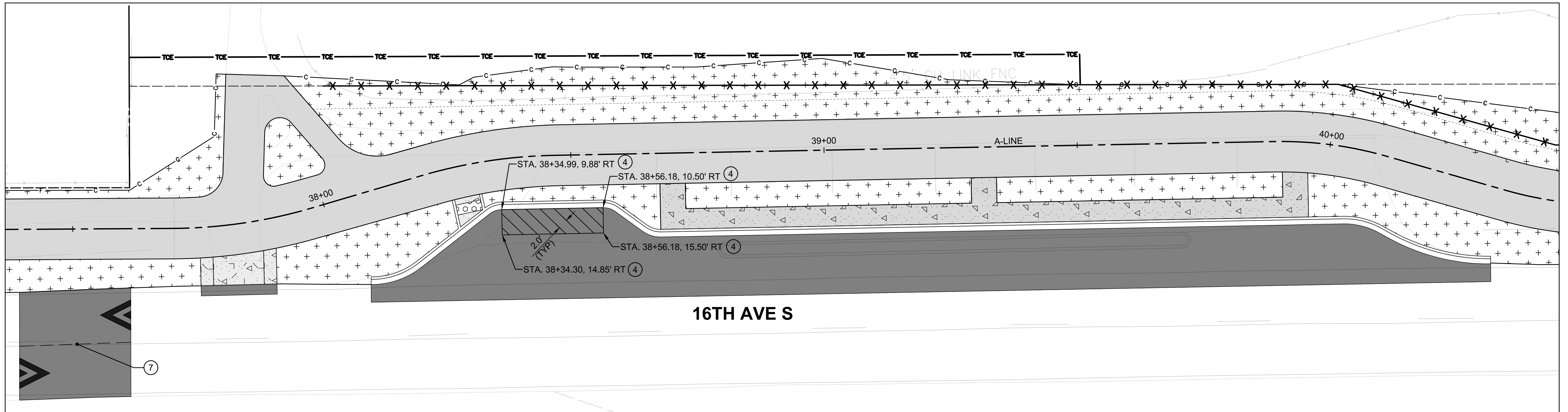
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**PAVEMENT MARKING PLAN**

SHT. 47  
 OF 79  
 CITY PROJECT #:  
 36219

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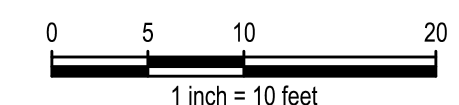
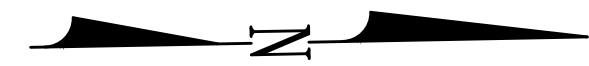
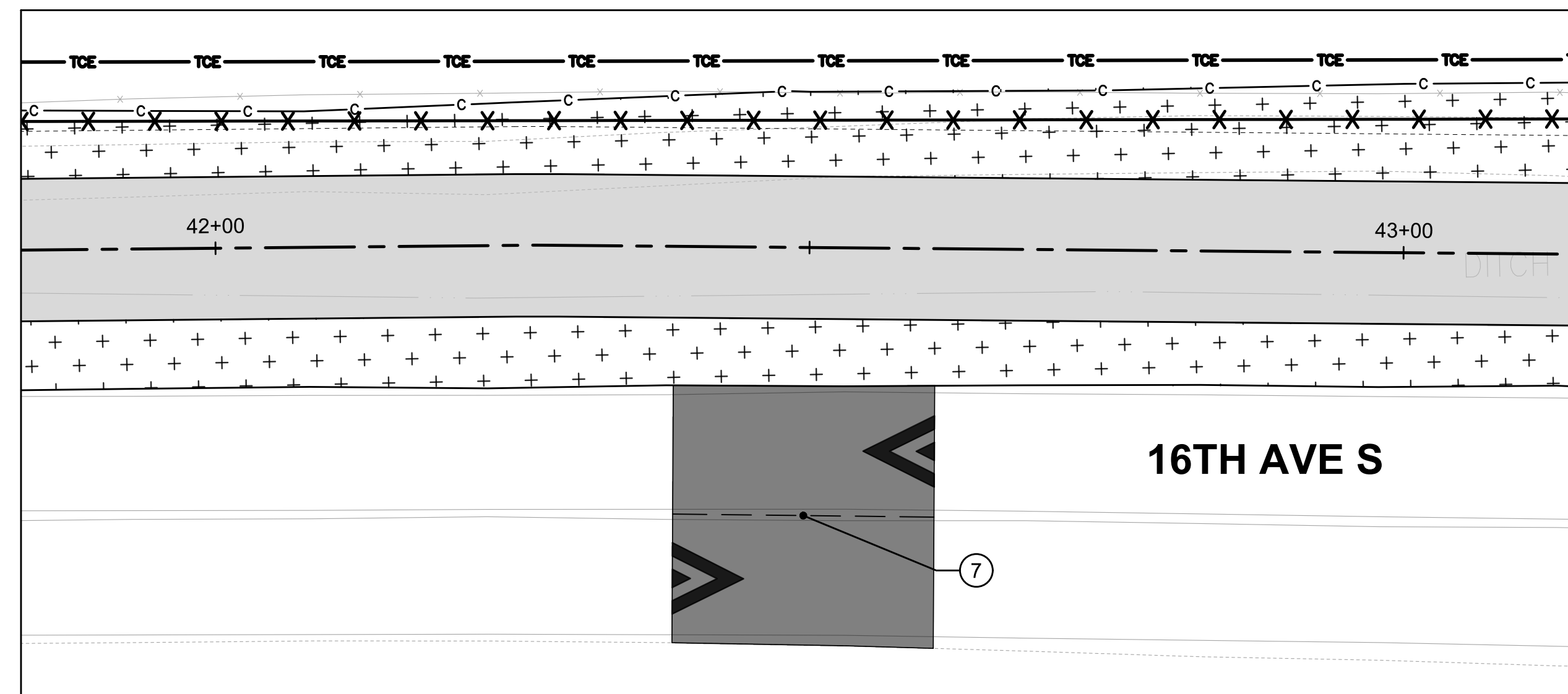


**PAVEMENT MARKING NOTES**

- ① PLASTIC STOP LINE PER CITY OF FEDERAL WAY STD 3-21, MATERIAL TYPE A
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- ⑥ RAISED PAVEMENT MARKER TYPE 2, SPACED 3-FT O.C.
- ⑦ SEE PAVING AND GRADING PLANS FOR SPEED TABLE LOCATIONS
- ⑧ TUSCAN RED MMA COLORED PAVEMENT MARKING FOR CENTER ISLAND, MATERIAL TYPE D
- ⑨ PAINT LINE, 8" WHITE PAINTED WIDE LINE
- ⑩ PLASTIC CROSSWALK LINE, 12' WIDE

**GENERAL NOTES**

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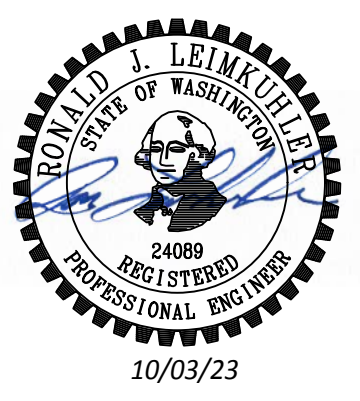
**PM03**



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 DESIGNED: A. REMPE  
 REVIEWED: S. BATTLE  
 APPROVED: R. LEIMKUEHLER



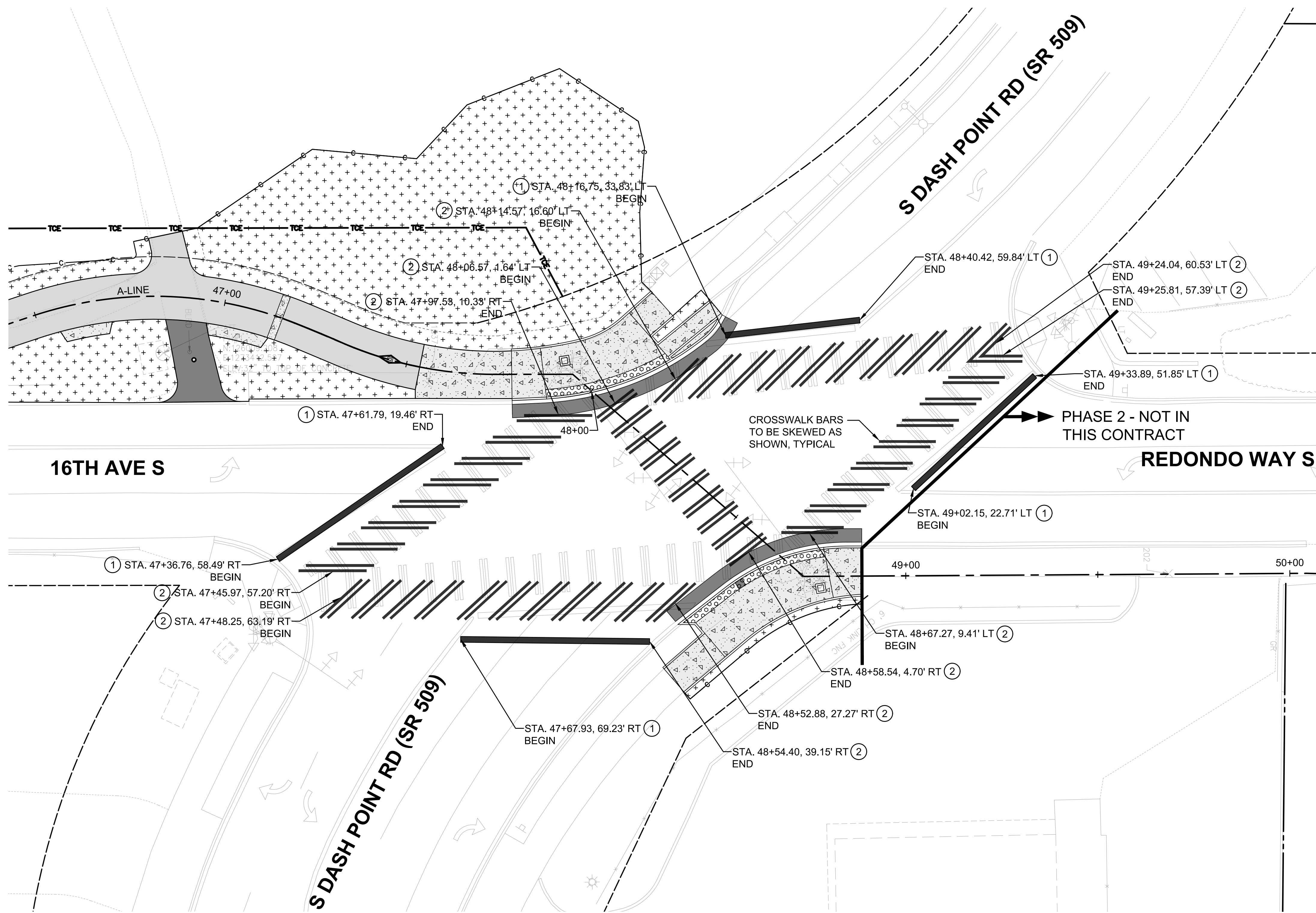
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**PAVEMENT MARKING PLAN**

SHT. 48  
 OF 79  
 CITY PROJECT #:  
 36219

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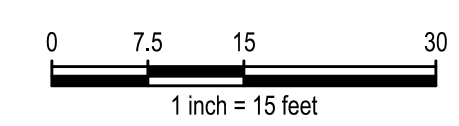
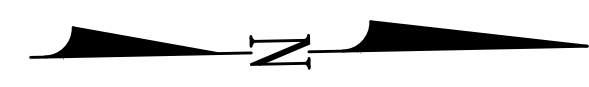


**PAVEMENT MARKING NOTES**

- ① PLASTIC STOP LINE PER CITY OF FEDERAL WAY STD 3-21, MATERIAL TYPE A
- ② PLASTIC CROSSWALK LINE PER CITY OF FEDERAL WAY STD 3-21, MATERIAL TYPE A.
- ③ PAINT LINE, 4" PAINTED YELLOW EDGE LINE
- ④ PAINT LINE, 4" PAINTED WHITE EDGE LINE
- ⑤ PLASTIC YIELD LINE SYMBOL TYPE 2 PER WSDOT STD PLAN M-24.60 MATERIAL TYPE A
- ⑥ RAISED PAVEMENT MARKER TYPE 2, SPACED 3-FT O.C.
- ⑦ SEE PAVING AND GRADING PLANS FOR SPEED TABLE LOCATIONS
- ⑧ TUSCAN RED MMA COLORED PAVEMENT MARKING FOR CENTER ISLAND, MATERIAL TYPE D
- ⑨ PAINT LINE, 8" WHITE PAINTED WIDE LINE
- ⑩ PLASTIC CROSSWALK LINE, 12' WIDE

**GENERAL NOTES**

- 1. REMOVE EXISTING CONFLICTING PAVEMENT MARKING.
- 2. ALL STATIONING AND OFFSETS FOR PAVEMENT MARKING SYMBOLS ARE TO CENTER OF PAVEMENT MARKING SYMBOL.



**PM04**

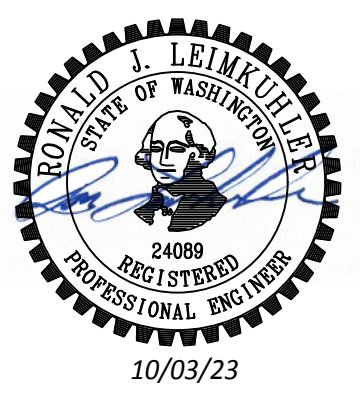
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PAVEMENT MARKING PLAN**

SHT. 49  
OF 79  
CITY PROJECT #:  
36219

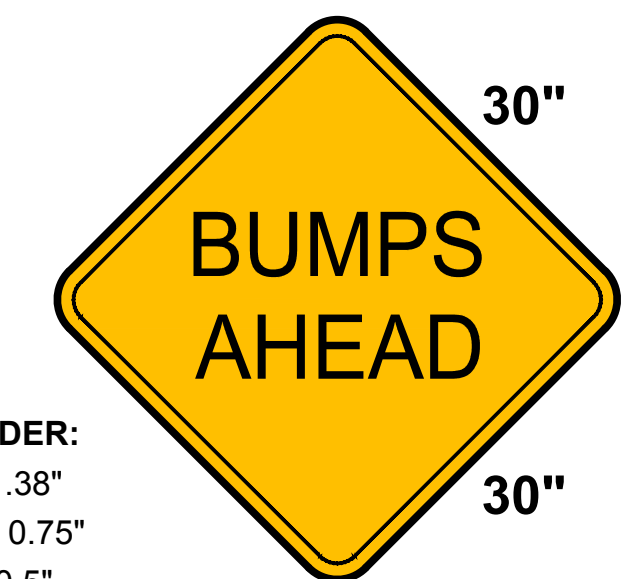


**ROADWAY SIGN SCHEDULE (REMOVE, RELOCATE, OR MAINTAIN)**

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	DRAWING NO.	REMARKS	SIGN SIZE	"EXISTING LOCATION (*NOT SURVEYED)"	PROPOSED LOCATION
R-00	S1-1	SCHOOL	SP01, PV01	REPLACE RRFB ALL NEW S1-1s, W16-7s SHALL BE FYG SHEETING ALL NEW R10-25s SHALL BE 9"x12"	EXISTING	A 24+17.19, 8.84' RT	A 24+05.57, 6.38' RT
R-01	S1-1	SCHOOL	SP01, PV01		EXISTING		
R-02	W16-7PL	ARROW	SP01, PV01		EXISTING		
R-03	W16-7PR	ARROW	SP01, PV01		EXISTING		
R-04	R10-25	PUSH BUTTON FOR WARNING LIGHTS	SP01, PV01		EXISTING		
R-05	S1-1	SCHOOL	SP01, PV01	REPLACE RRFB ALL NEW S1-1s, W16-7s SHALL BE FYG SHEETING ALL NEW R10-25s SHALL BE 9"x12"	EXISTING	A 24+57.59, 9.08' RT	A 24+68.82, 7.73 RT
R-06	S1-1	SCHOOL	SP01, PV01		EXISTING		
R-07	W16-7PL	ARROW	SP01, PV01		EXISTING		
R-08	W16-7PR	ARROW	SP01, PV01		EXISTING		
R-09	R10-25	PUSH BUTTON FOR WARNING LIGHTS	SP01, PV01		EXISTING		
R-10	R1-1	STOP SIGN	SP01	REMOVE EXISTING SIGN AND POST	EXISTING	A 24+76.73, 17.33' RT	N/A
R-11	D3-103	PACIFIC HWY S	SP01, PV01	RELOCATE EXISTING SIGN	EXISTING	A 24+76.73, 17.33' RT	A 24+76.08, 9.23' RT
R-12	D3-103	S 304 ST	SP01, PV01	RELOCATE EXISTING SIGN	EXISTING	A 24+76.73, 17.33' RT	A 24+76.08, 9.23' RT
R-13	D3-103	16 AVE S	SP01, PV01	RELOCATE EXISTING SIGN	EXISTING	A 24+76.73, 17.33' RT	A 24+76.08, 9.23' RT
R-15	R1-1	STOP SIGN	SP01	REMOVE EXISTING SIGN AND POST	EXISTING	A 23+70.20, 48.86' RT	N/A
R-16	W3-1A	STOP AHEAD	SP02, PV02	REMOVE EXISTING SIGN AND POST	EXISTING	A 27+68.56, 7.61' RT	N/A
R-17	R1-1	STOP SIGN	SP02, PV02	RELOCATE EXISTING SIGN	EXISTING	A 29+16.46, 5.96' LT	A 29+14.35, 7.17' RT
R-18	D3-103	S 303 ST	SP02, PV02	RELOCATE EXISTING SIGN	EXISTING	A 29+65.65, 3.96' RT	A 29+49.18, 7.83' LT
R-19	D3-103	16TH AVE S	SP02, PV02	RELOCATE SIGN	EXISTING	A 29+65.65, 3.96' RT	A 29+49.18, 7.83' LT
R-20	R1-1	STOP SIGN	SP02, PV02	RELOCATE EXISTING SIGN	EXISTING	A 32+32.84, 3.48' LT	A 32+37.22, 7.47' LT
R-21	D3-103	S 303 ST	SP02, PV02	RELOCATE SIGN	EXISTING	A 32+32.84, 3.48' LT	A 32+37.22, 7.47' LT
R-22	D3-103	16TH AVE S	SP03, PV03	RELOCATE SIGN	EXISTING	A 32+32.84, 3.48' LT	A 32+37.22, 7.47' LT
R-23	CUSTOM	CHURCH SIGN	SP03	PROTECT AND MAINTAIN SIGN	EXISTING	A 34+64.80, 14.52' LT	N/A
R-24	R2-1	35 MPH	SP05	REMOVE EXISTING SIGN AND POST	EXISTING	A 44.15.27, 7.99' RT	N/A
R-25	D3-101	REDONDO WAY/ 16TH AVE	SP06	PROTECT AND MAINTAIN SIGN AND POST	EXISTING	A 47+79.10, 7.02' LT	A 47+82.18, 10.07' LT
R-26	CUSTOM	PARKING FOR RECREATIONAL USE ONLY	SP04, PV04	RELOCATE FENCE MOUNTED SIGN, INSTALL SIGN ON NEW FENCE	EXISTING	A 38+89.63, 11.30' LT	A 38+39.53, 13.93' RT
R-27	R1-2	YIELD	PV01	NEW SIGN	36" x 36" x 36"	N/A	A 24+18.76, 11.50' RT
R-29	R1-2	YIELD	PV01	NEW SIGN	36" x 36" x 36"	N/A	A 25+00.80, 8.17' RT
R-31	R1-2	YIELD	PV01	NEW SIGN	36" x 36" x 36"	N/A	A 24+87.79, 81.01' RT
R-33	R1-2	YIELD	PV01	NEW SIGN	36" x 36" x 36"	N/A	A 23+68.15, 53.54' RT
R-35	W8-1A (S)	BUMPS AHEAD	PV01	SPEED TABLE, SEE CUSTOM SIGN DETAIL, THIS SHEET	30" x 30"	N/A	A 27+39.36, 46.34' RT
R-36	WB-1	BUMP	PV02	SPEED TABLE	30" x 30"	N/A	A 28+39.26, 37.22' RT
R-37	W13-1(20)	20 MPH ADVISORY PLAQUE	PV02	SPEED TABLE	18" x 18"	N/A	A 28+39.26, 37.22' RT
R-38	W8-1	BUMP	PV02	SPEED TABLE	30" x 30"	N/A	A 28+61.06, 7.75' RT
R-39	W13-1(20)	20 MPH ADVISORY PLAQUE	PV02	SPEED TABLE	18" x 18"	N/A	A 28+61.06, 7.75' RT
R-40	W8-1	BUMP	PV03	SPEED TABLE	30" x 30"	N/A	A 33+38.79, 38.23' RT
R-41	W13-1(20)	20 MPH ADVISORY PLAQUE	PV03	SPEED TABLE	18" x 18"	N/A	A 33+38.79, 38.23' RT
R-42	W8-1	BUMP	PV03	SPEED TABLE	30" x 30"	N/A	A 33+60.88, 8.73' RT
R-43	W13-1(20)	20 MPH ADVISORY PLAQUE	PV03	SPEED TABLE	18" x 18"	N/A	A 33+60.88, 8.73' RT
R-44	W8-1	BUMP	PV04	SPEED TABLE	30" x 30"	N/A	A 37+40.20, 37.67' RT
R-45	W13-1(20)	20 MPH ADVISORY PLAQUE	PV04	SPEED TABLE	18" x 18"	N/A	A 37+40.20, 37.67' RT
R-46	W8-1	BUMP	PV04	SPEED TABLE	30" x 30"	N/A	A 37+61.26, 7.68' RT
R-47	W13-1(20)	20 MPH ADVISORY PLAQUE	PV04	SPEED TABLE	18" x 18"	N/A	A 37+61.26, 7.68' RT
R-48	W8-1	BUMP	PV05	SPEED TABLE	30" x 30"	N/A	A 42+38.68, 37.38' RT
R-49	W13-1(20)	20 MPH ADVISORY PLAQUE	PV05	SPEED TABLE	18" x 18"	N/A	A 42+38.68, 37.38' RT
R-50	W8-1	BUMP	PV05	SPEED TABLE	30" x 30"	N/A	A 42+60.60, 7.55' RT
R-51	W13-1(20)	20 MPH ADVISORY PLAQUE	PV05	SPEED TABLE	18" x 18"	N/A	A 42+60.60, 7.55' RT
R-52	W8-1A (S)	BUMPS AHEAD	PV05	SPEED TABLE, SEE CUSTOM SIGN DETAIL, THIS SHEET	30" x 30"	N/A	A 43+60.59, 7.69' RT
R-53	R2-1	35 MPH (EXISTING), 30 MPH (NEW)	SP02, PV02	REMOVE EXISTING 35 MPH SIGN AND REPLACE WITH NEW 30 MPH SIGN	EXISTING	A 28+15.50, 41.25' RT	A 28+15.50, 41.25' RT
R-54	R2-1	35 MPH (EXISTING), 30 MPH (NEW)	SP05, PV05	REMOVE EXISTING 35 MPH SIGN AND REPLACE WITH NEW 30 MPH SIGN	EXISTING	A 44+15.27, 7.99' RT	A 44+15.27, 7.99' RT
R-55	CUSTOM	PARKING FOR RECREATIONAL USE ONLY	SP04, PV04	RELOCATE FENCE MOUNTED SIGN, INSTALL SIGN ON NEW FENCE	EXISTING	A ~39+70.00, 12.40' LT	A ~39+70.00, 11.60' LT

**NOTES:**

- SIGN CODE FOLLOWS WSDOT SIGN FABRICATION MANUAL UNLESS OTHERWISE NOTED. SEE LANDSCAPING PLANS FOR TRAIL SIGNAGE.
- USE NEW POSTS AND MOUNTING HARDWARE FOR ALL RELOCATED SIGNS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL RETURN ALL REMOVED SIGNS TO KING COUNTY SIGN SHOP.



BORDER:  
R = 1.38"  
TH = 0.75"  
IN = 0.5"

TEXT SIZE: 5C (BUMPS)  
B/Y

**CUSTOM SIGN DETAIL W8-1A (S)**

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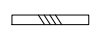

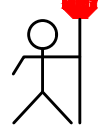
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**SIGNING TABLE**

**SN01**

SHT. 50  
OF 79  
CITY PROJECT #:  
36219

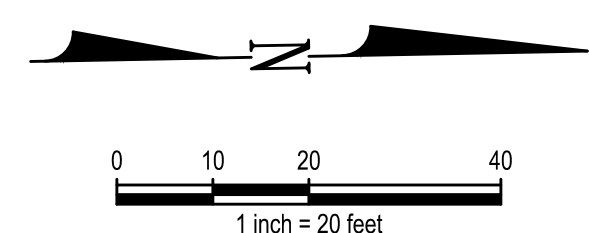
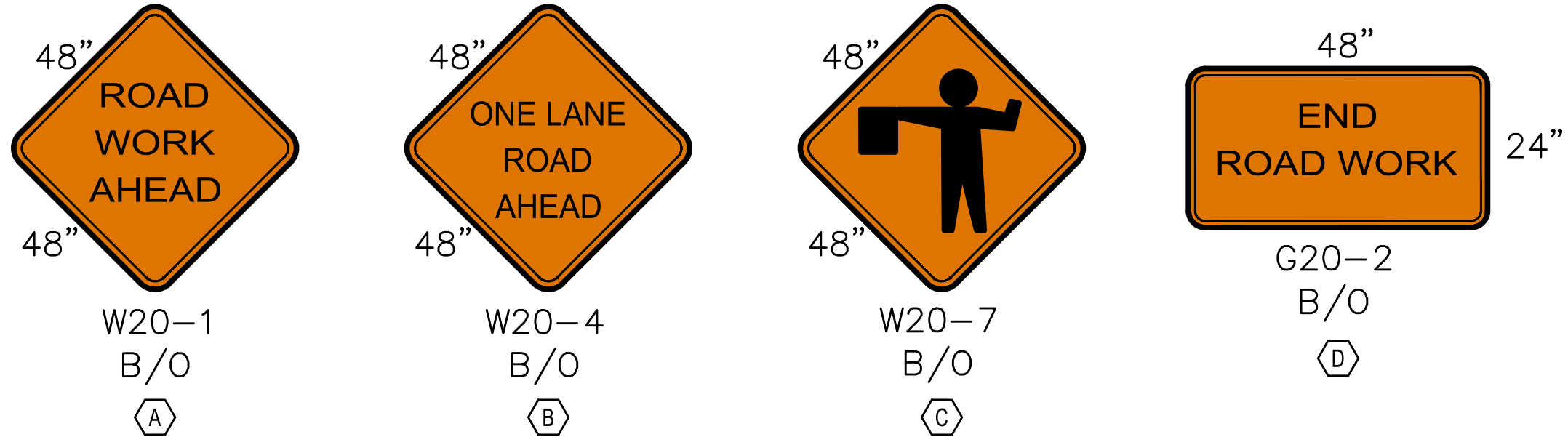
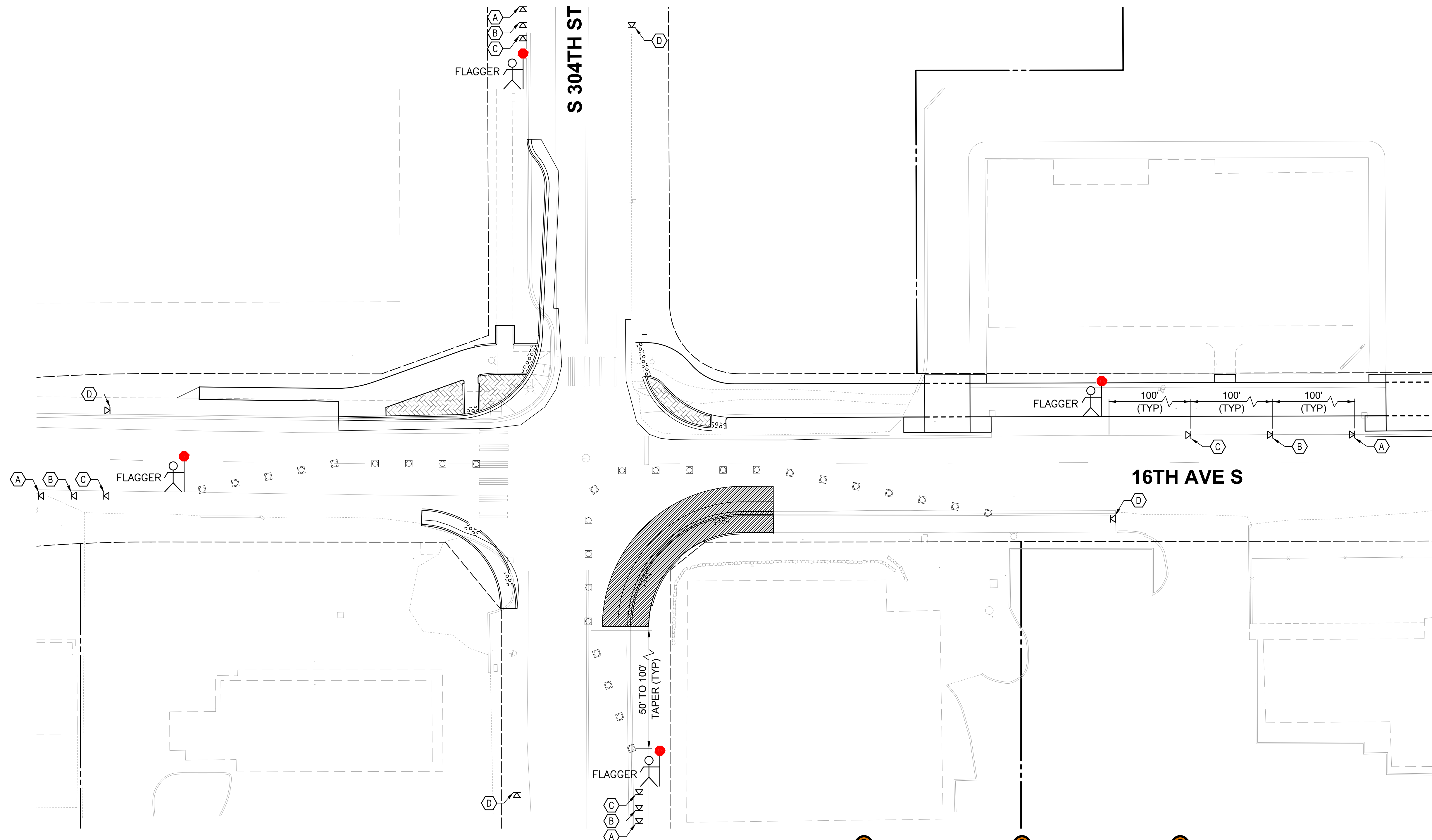


**LEGEND:**

-  TEMPORARY CONSTRUCTION SIGN
-  CHANNELIZING DEVICES
-  SEQUENTIAL ARROW SIGN
-  BARRICADE TYPE 3
-  WORK AREA
-  FLAGGING STATION

**GENERAL NOTES:**

1. SIGNAGE SHALL BE INSTALLED PER CURRENT MUTCD SIGN CODES AND REQUIREMENTS.
2. TRAFFIC CONTROL PLANS FOR PERMIT ONLY AND DOES NOT REPRESENT ANY CONTRACTOR FOR TEMPORARY TRAFFIC CONTROL SET UP AND/OR THE CONTRACTORS CONSTRUCTION ACTIVITIES.
3. MAINTAIN ACCESS TO DRIVEWAYS.
4. MAINTAIN ACCESSIBLE PEDESTRIAN ACCESS THROUGH WORK AREA.
5. A MINIMUM OF 11' LANES WILL BE MAINTAINED UNLESS OTHERWISE NOTED.
6. WORK TIMES SHALL BE 8:30AM TO 3PM, MON-FRI. MAINTAIN TRAFFIC CONTROL DURING WORK HOURS.
7. POSTED SPEED LIMIT: 16TH AVE S: 35 MPH, PACIFIC HWY S: 45 MPH.
8. THE CONTRACTOR SHALL NOTIFY THE CITY OF FEDERAL WAY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTORS WITHIN A MINIMUM OF 48 HOURS OF A ROAD CLOSURE OR DETOUR.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SIGNAL DETECTION IMPACTED BY CONSTRUCTION ACTIVITIES.



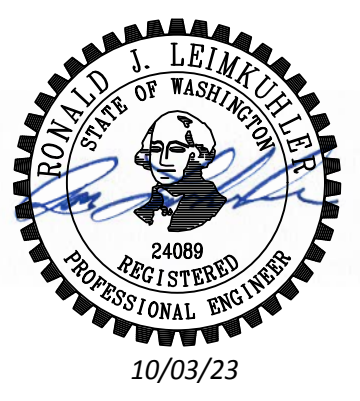
**TC01**



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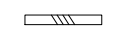

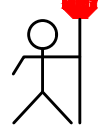
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

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 OF 79  
 CITY PROJECT #:  
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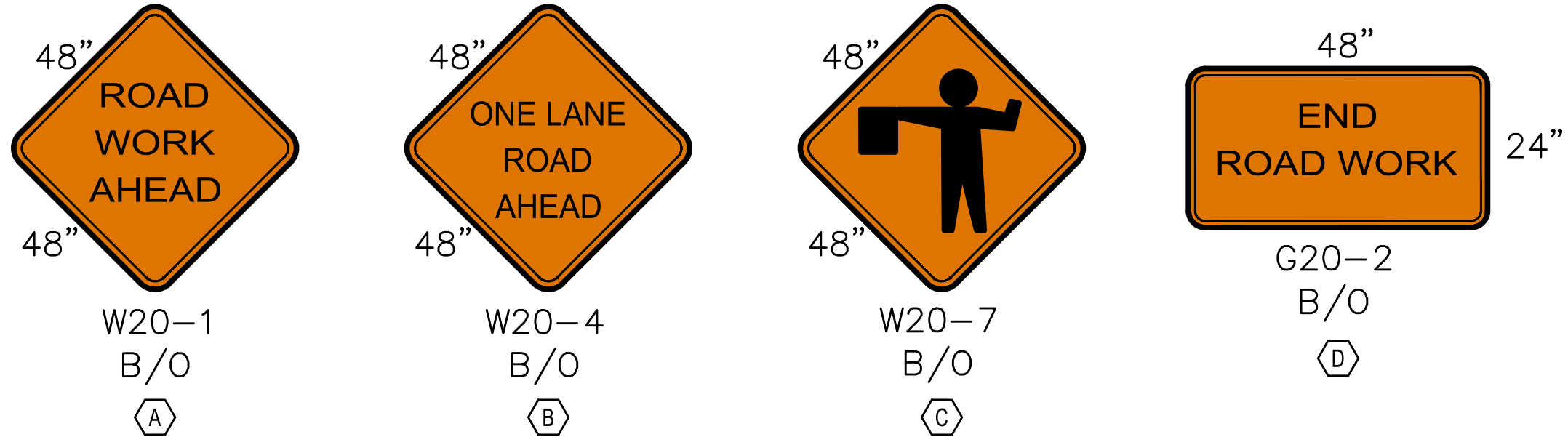
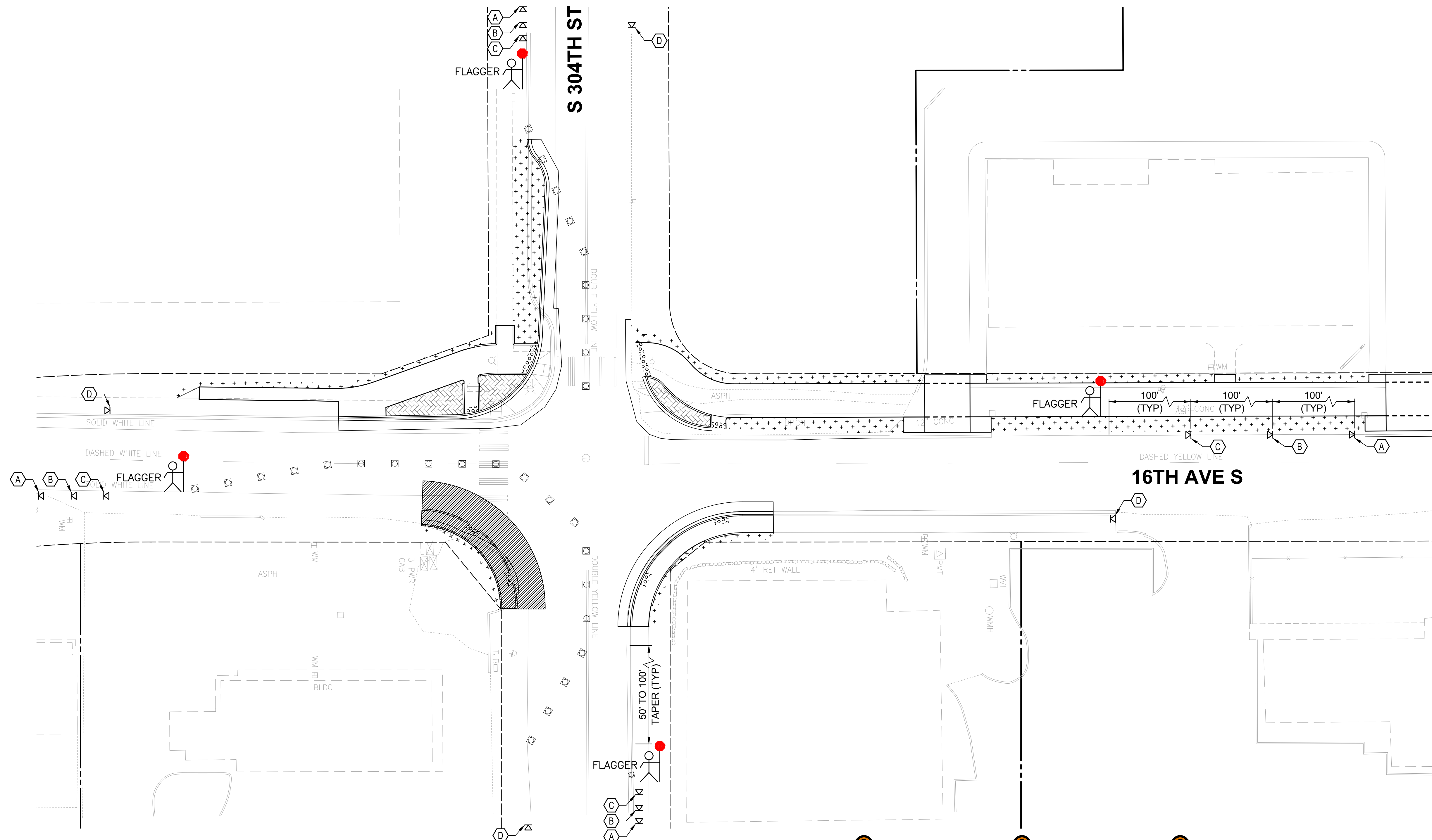


**LEGEND:**

-  TEMPORARY CONSTRUCTION SIGN
-  CHANNELIZING DEVICES
-  SEQUENTIAL ARROW SIGN
-  BARRICADE TYPE 3
-  WORK AREA
-  FLAGGING STATION

**GENERAL NOTES:**

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7. POSTED SPEED LIMIT: 16TH AVE S: 35 MPH, PACIFIC HWY S: 45 MPH.
8. THE CONTRACTOR SHALL NOTIFY THE CITY OF FEDERAL WAY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTORS WITHIN A MINIMUM OF 48 HOURS OF A ROAD CLOSURE OR DETOUR.
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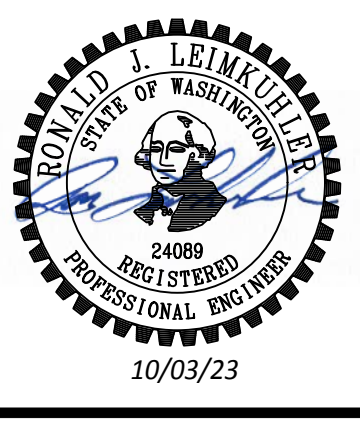
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

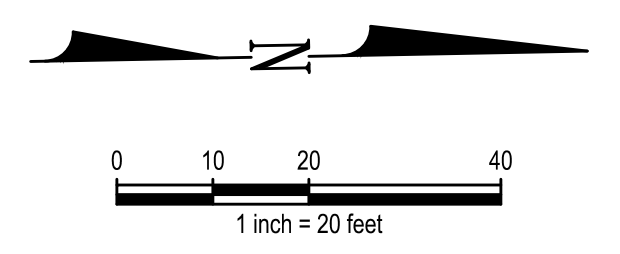
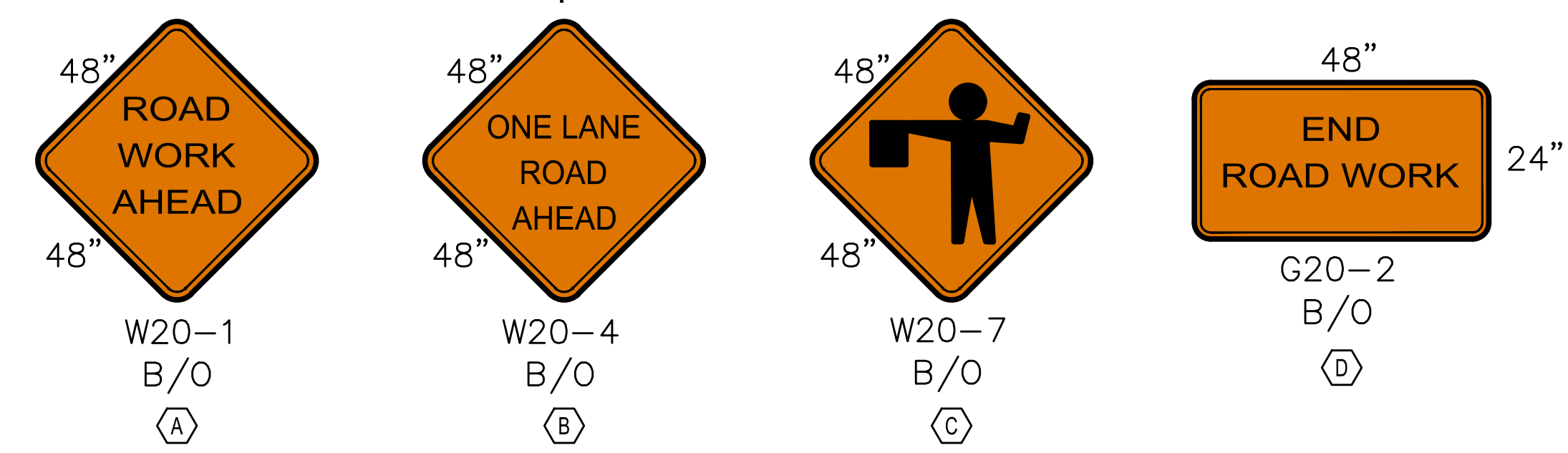
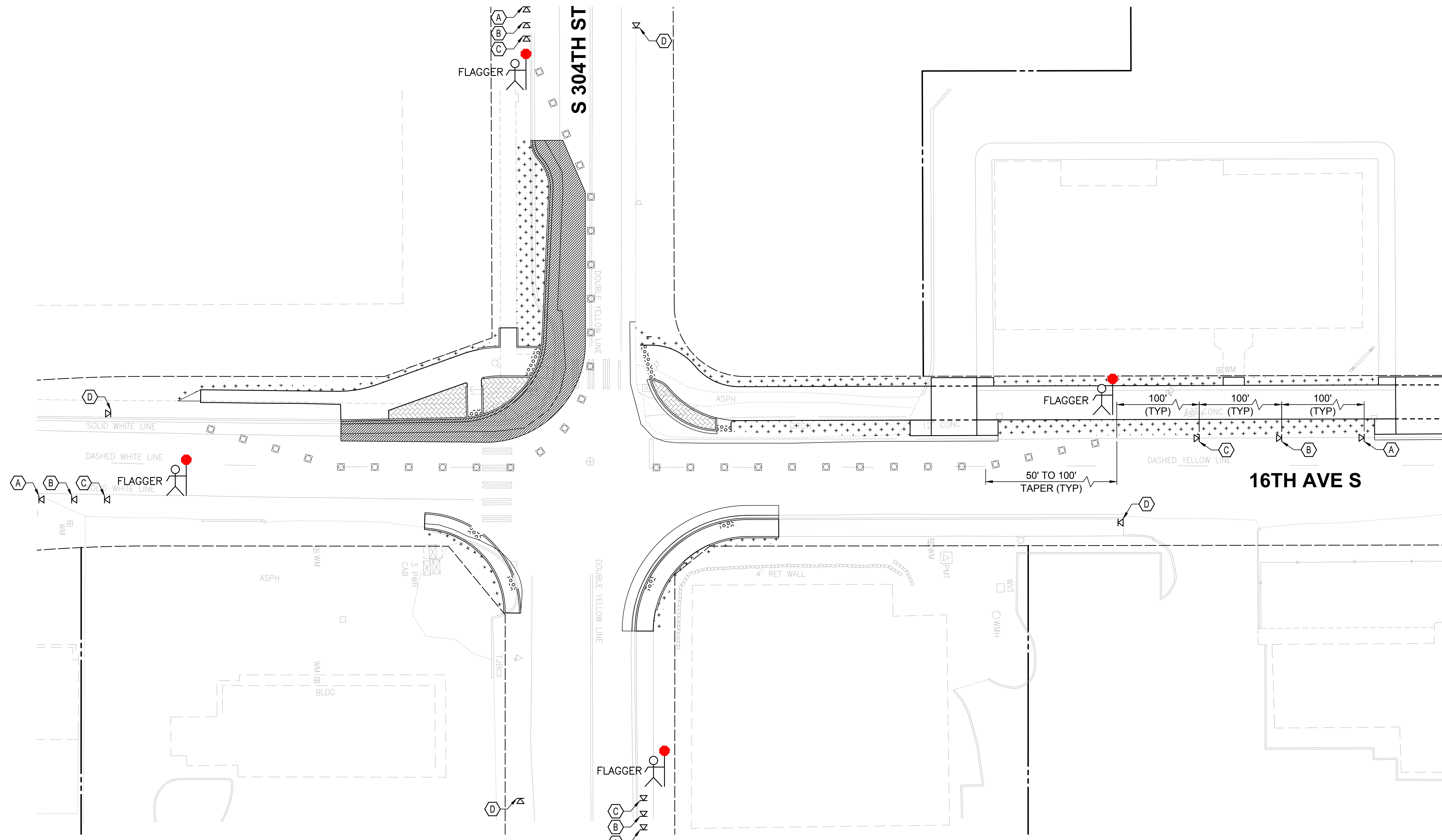
SHT. 52  
OF 79  
CITY PROJECT #:  
36219

\*\*\* Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com \*\*\*



- LEGEND:**
- TEMPORARY CONSTRUCTION SIGN
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - BARRICADE TYPE 3
  - WORK AREA
  - FLAGGING STATION

- GENERAL NOTES:**
1. SIGNAGE SHALL BE INSTALLED PER CURRENT MUTCD SIGN CODES AND REQUIREMENTS.
  2. TRAFFIC CONTROL PLANS FOR PERMIT ONLY AND DOES NOT REPRESENT ANY CONTRACTOR FOR TEMPORARY TRAFFIC CONTROL SET UP AND/OR THE CONTRACTORS CONSTRUCTION ACTIVITIES.
  3. MAINTAIN ACCESS TO DRIVEWAYS.
  4. MAINTAIN ACCESSIBLE PEDESTRIAN ACCESS THROUGH WORK AREA.
  5. A MINIMUM OF 11' LANES WILL BE MAINTAINED UNLESS OTHERWISE NOTED.
  6. WORK TIMES SHALL BE 8:30AM TO 3PM, MON-FRI. MAINTAIN TRAFFIC CONTROL DURING WORK HOURS.
  7. POSTED SPEED LIMIT: 16TH AVE S: 35 MPH, PACIFIC HWY S: 45 MPH.
  8. THE CONTRACTOR SHALL NOTIFY THE CITY OF FEDERAL WAY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTORS WITHIN A MINIMUM OF 48 HOURS OF A ROAD CLOSURE OR DETOUR.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SIGNAL DETECTION IMPACTED BY CONSTRUCTION ACTIVITIES.



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**TRAFFIC CONTROL PLAN**

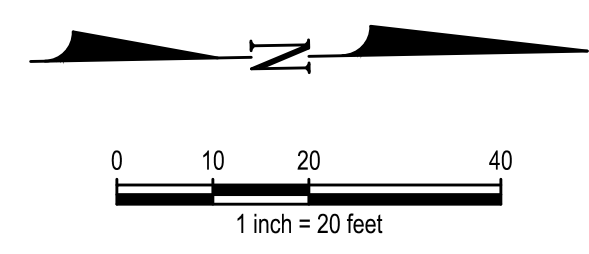
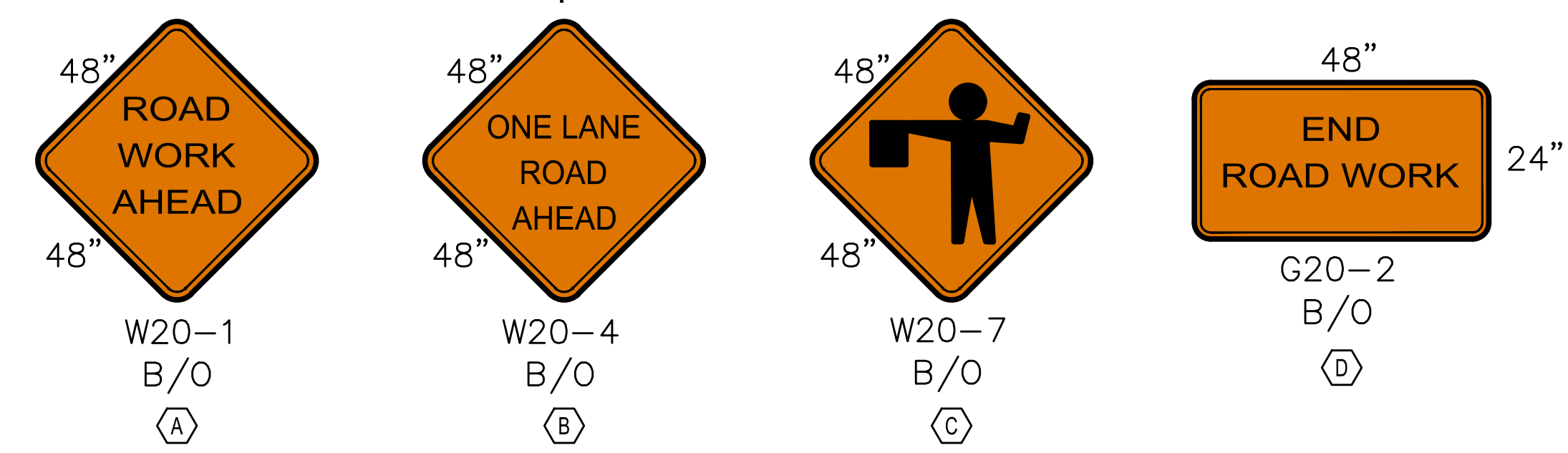
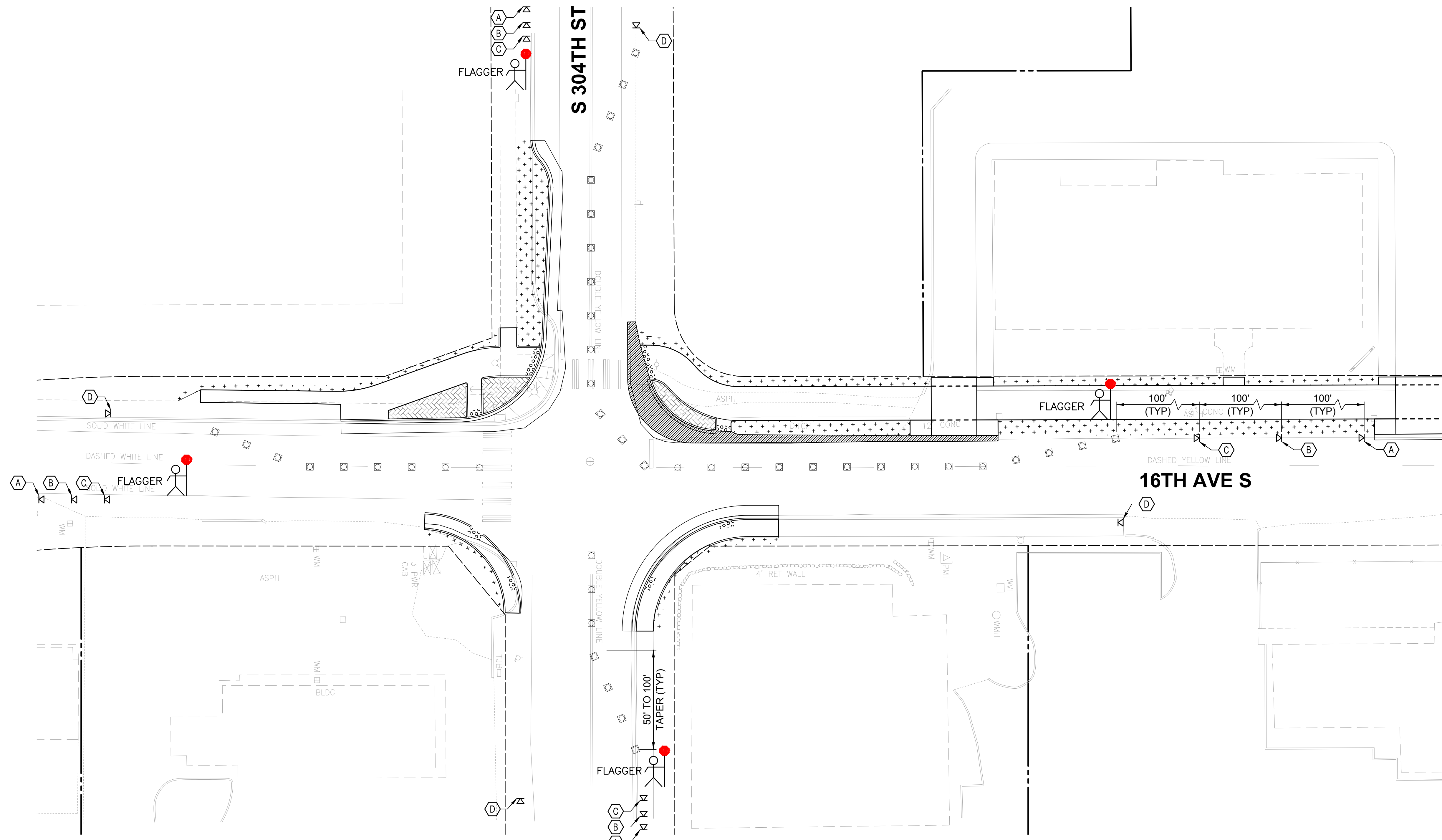
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CITY PROJECT #:  
36219

**TC03**



- LEGEND:**
- TEMPORARY CONSTRUCTION SIGN
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - BARRICADE TYPE 3
  - WORK AREA
  - FLAGGING STATION

- GENERAL NOTES:**
1. SIGNAGE SHALL BE INSTALLED PER CURRENT MUTCD SIGN CODES AND REQUIREMENTS.
  2. TRAFFIC CONTROL PLANS FOR PERMIT ONLY AND DOES NOT REPRESENT ANY CONTRACTOR FOR TEMPORARY TRAFFIC CONTROL SET UP AND/OR THE CONTRACTORS CONSTRUCTION ACTIVITIES.
  3. MAINTAIN ACCESS TO DRIVEWAYS.
  4. MAINTAIN ACCESSIBLE PEDESTRIAN ACCESS THROUGH WORK AREA.
  5. A MINIMUM OF 11' LANES WILL BE MAINTAINED UNLESS OTHERWISE NOTED.
  6. WORK TIMES SHALL BE 8:30AM TO 3PM, MON-FRI. MAINTAIN TRAFFIC CONTROL DURING WORK HOURS.
  7. POSTED SPEED LIMIT: 16TH AVE S: 35 MPH, PACIFIC HWY S: 45 MPH.
  8. THE CONTRACTOR SHALL NOTIFY THE CITY OF FEDERAL WAY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTORS WITHIN A MINIMUM OF 48 HOURS OF A ROAD CLOSURE OR DETOUR.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SIGNAL DETECTION IMPACTED BY CONSTRUCTION ACTIVITIES.



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REVIEWED: S. BATTLE  
APPROVED: R. LEIMKUEHLER



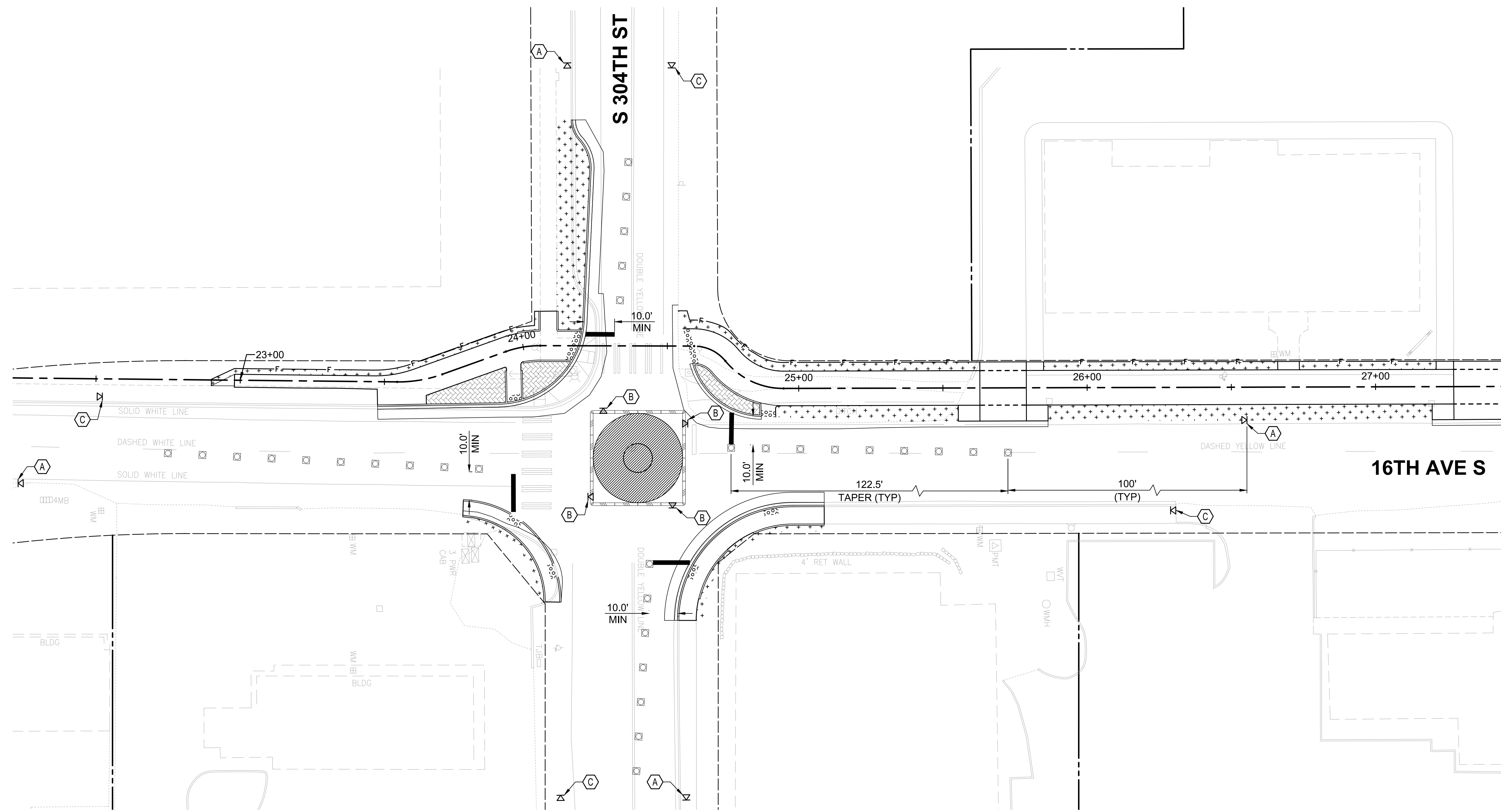
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NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

SHT. 54  
OF 79  
CITY PROJECT #:  
36219

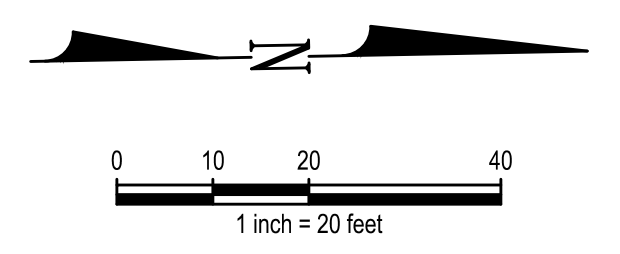
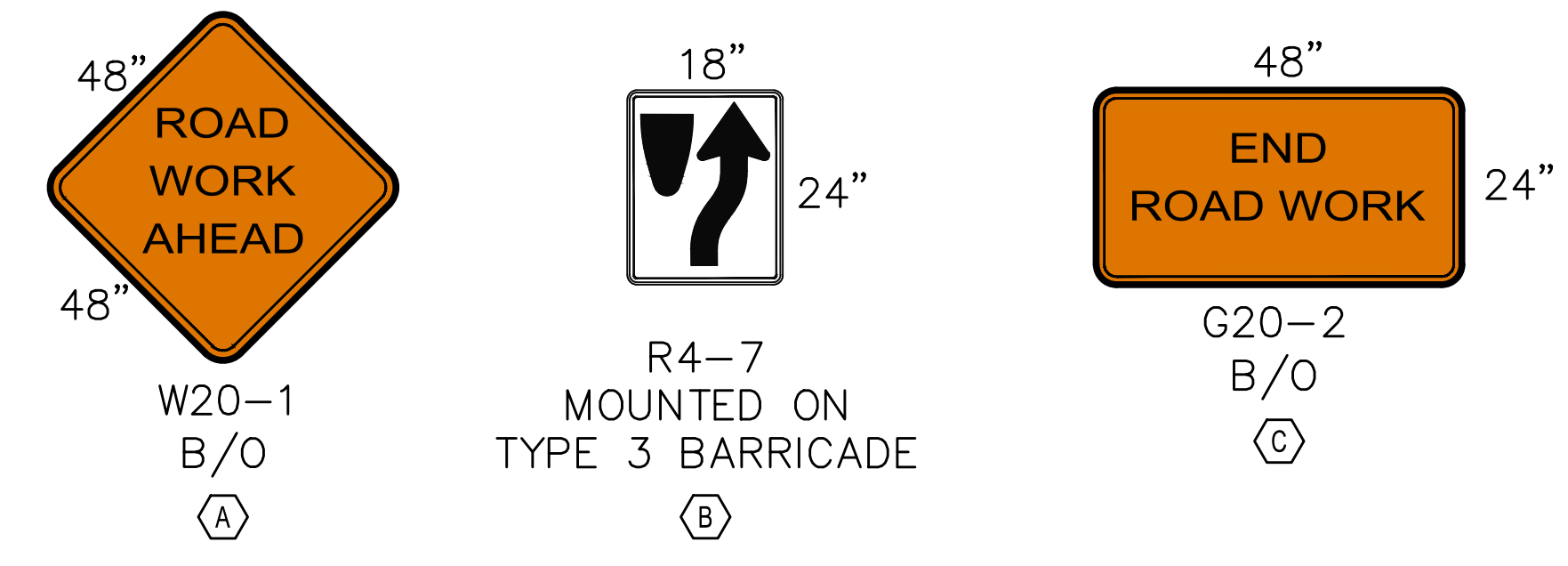
**TC04**





- LEGEND:**
- TEMPORARY CONSTRUCTION SIGN
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - BARRICADE TYPE 3
  - WORK AREA
  - FLAGGING STATION
  - TEMPORARY STOP LINE (SHORT DURATION)

- GENERAL NOTES:**
1. SIGNAGE SHALL BE INSTALLED PER CURRENT MUTCD SIGN CODES AND REQUIREMENTS.
  2. TRAFFIC CONTROL PLANS FOR PERMIT ONLY AND DOES NOT REPRESENT ANY CONTRACTOR FOR TEMPORARY TRAFFIC CONTROL SET UP AND/OR THE CONTRACTORS CONSTRUCTION ACTIVITIES.
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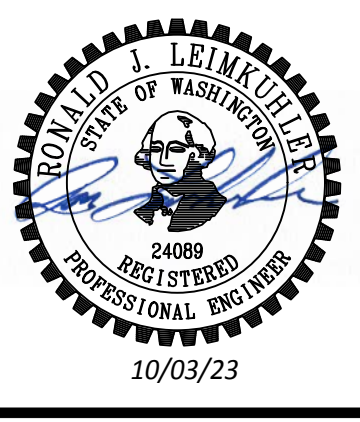


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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**TRAFFIC CONTROL PLAN**

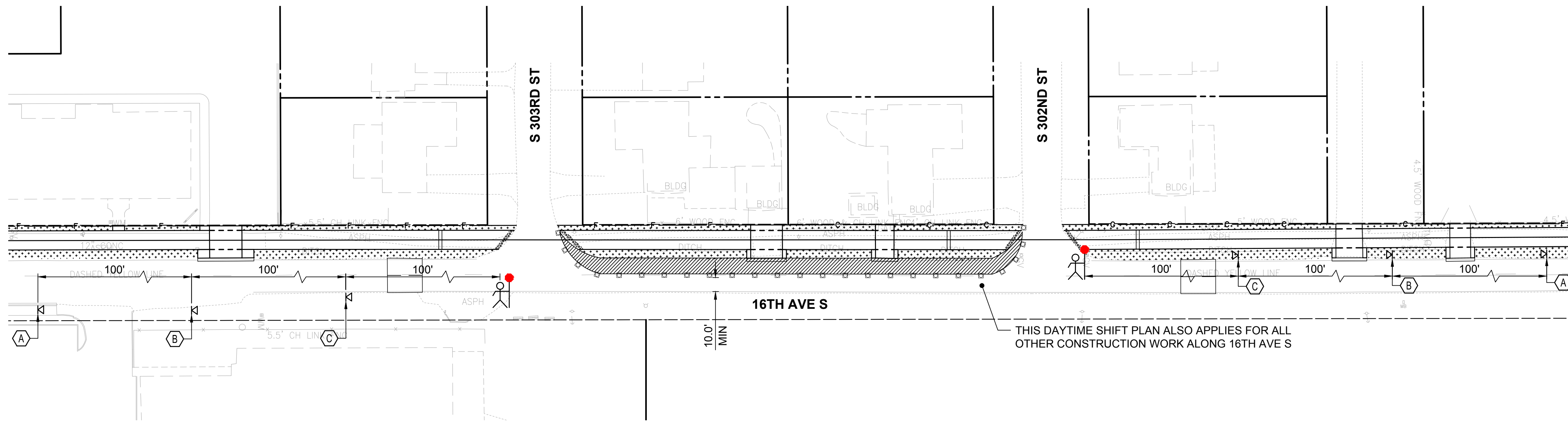
**TC05**

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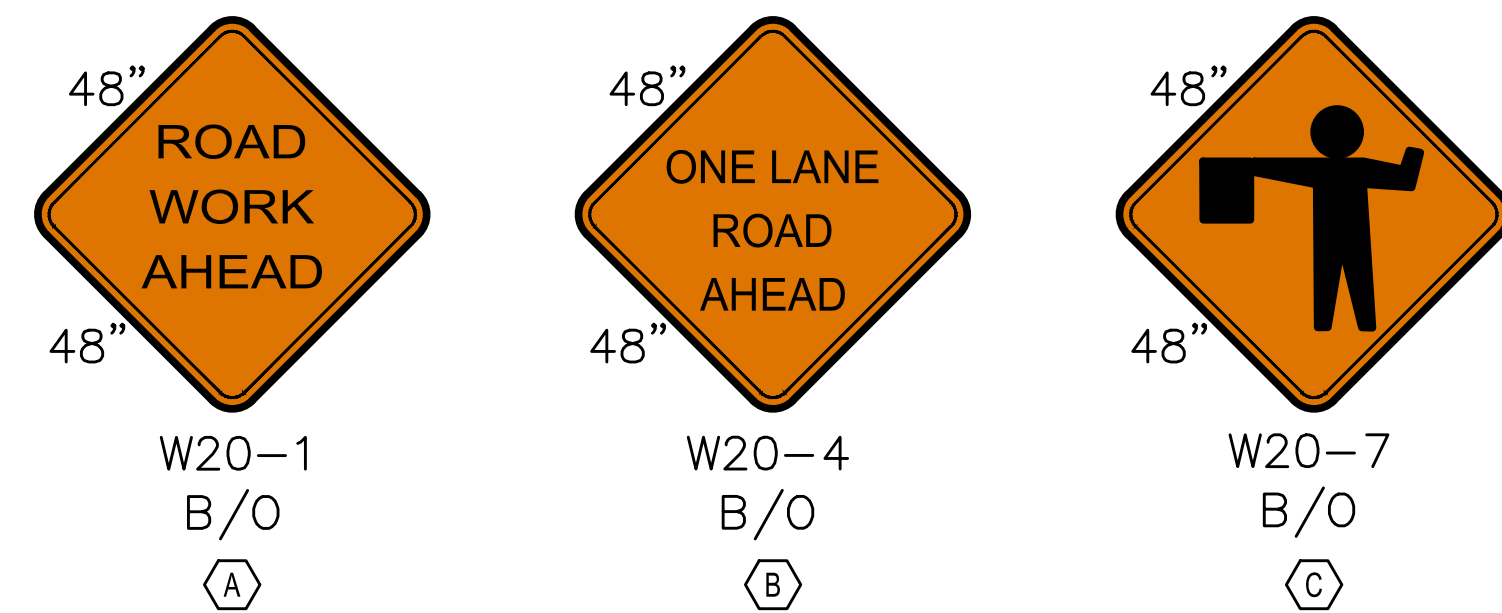
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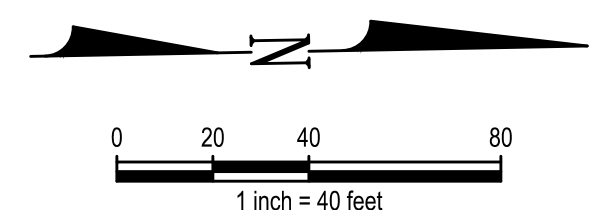


TYPICAL TRAFFIC CONTROL FOR DAYTIME SHIFT



- LEGEND:**
- ⊠ TEMPORARY CONSTRUCTION SIGN
  - ▣ CHANNELIZING DEVICES
  - ⇄ SEQUENTIAL ARROW SIGN
  - BARRICADE TYPE 3
  - ▨ WORK AREA
  - ⤴ FLAGGING STATION

- GENERAL NOTES:**
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**TC06**

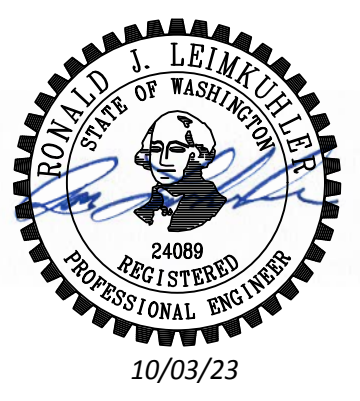
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

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

SHT. 56  
 OF 79  
 CITY PROJECT #:  
 36219

\*\*\* Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com \*\*\*

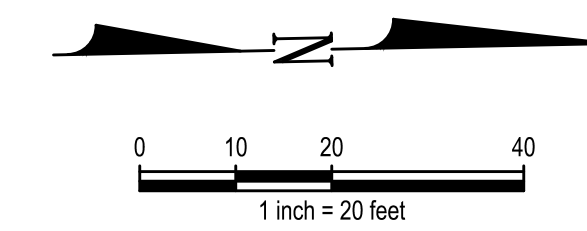
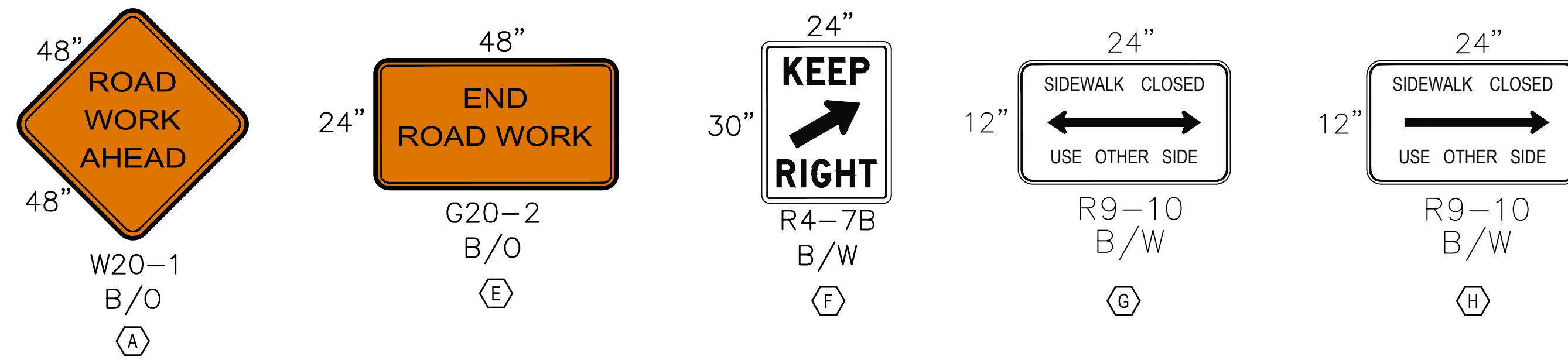
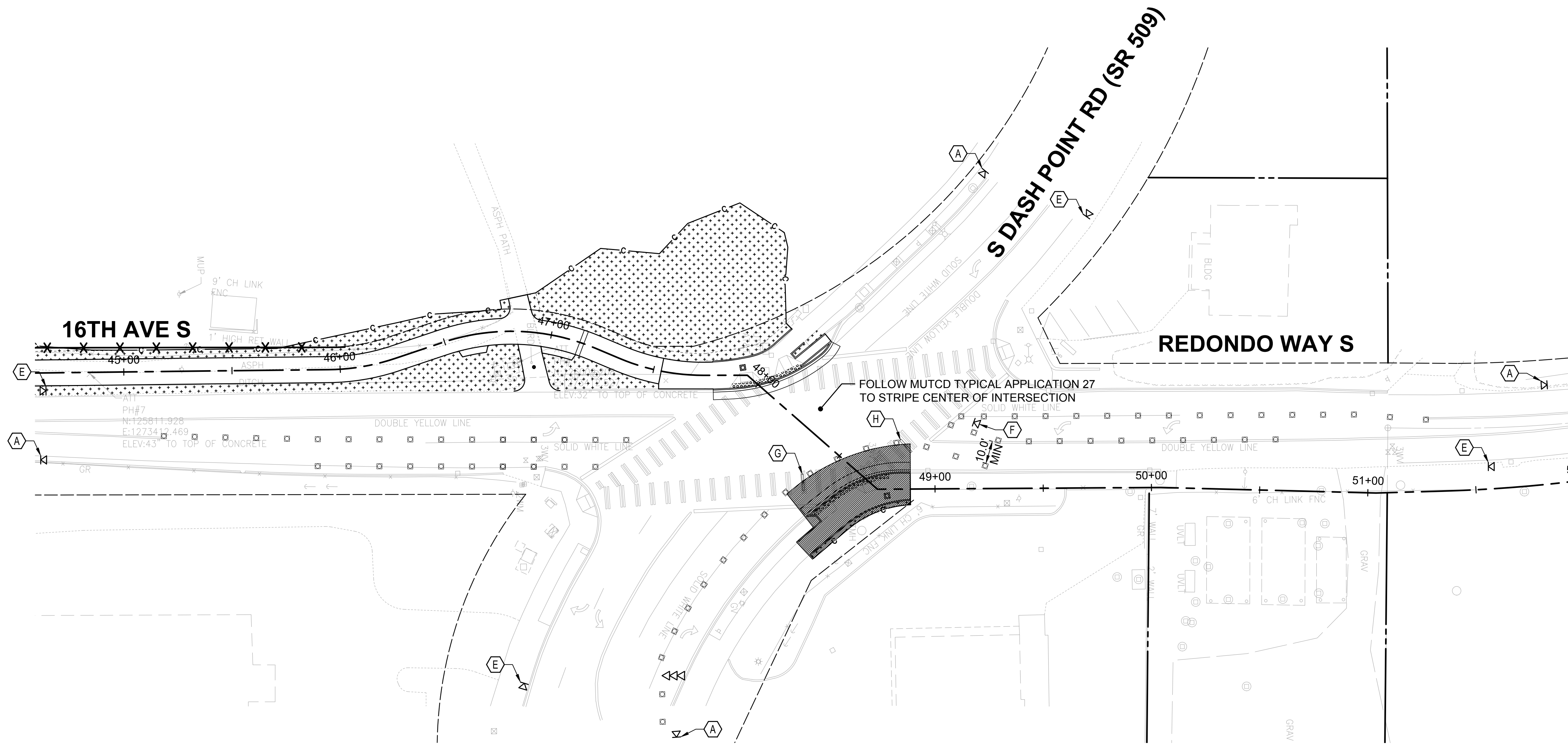


**LEGEND:**

-  TEMPORARY CONSTRUCTION SIGN
-  CHANNELIZING DEVICES
-  SEQUENTIAL ARROW SIGN
-  BARRICADE TYPE 3
-  WORK AREA

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

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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

SHT. 57  
OF 79  
CITY PROJECT #:  
36219

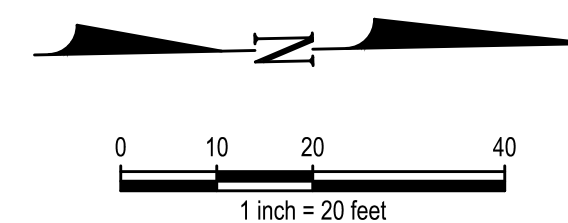
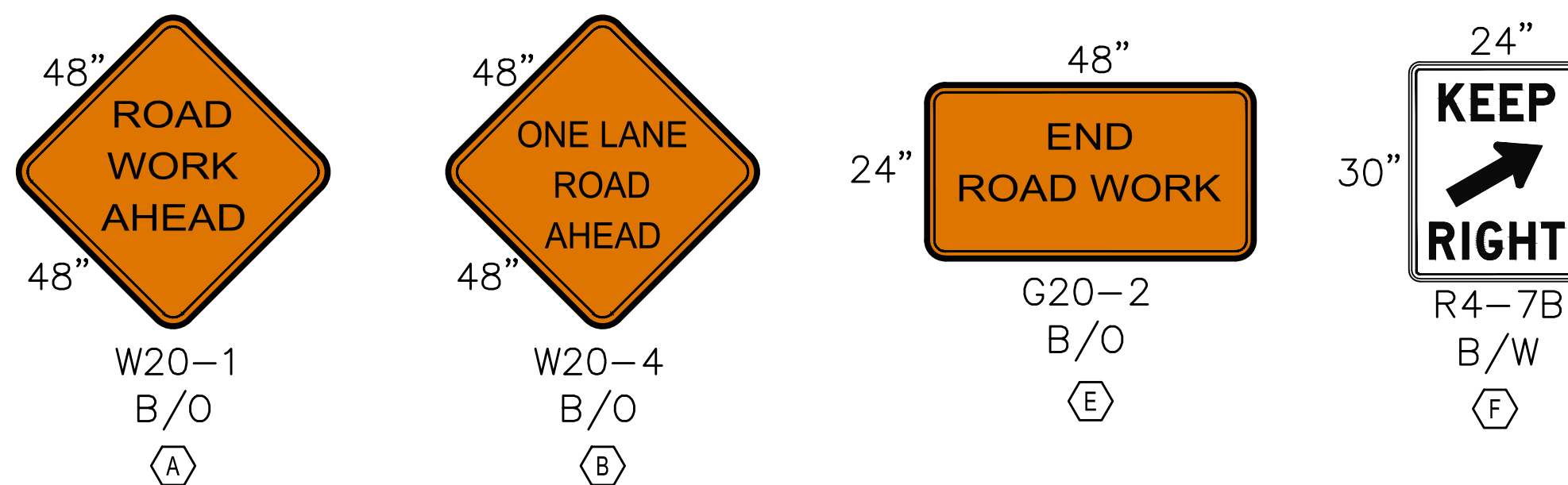
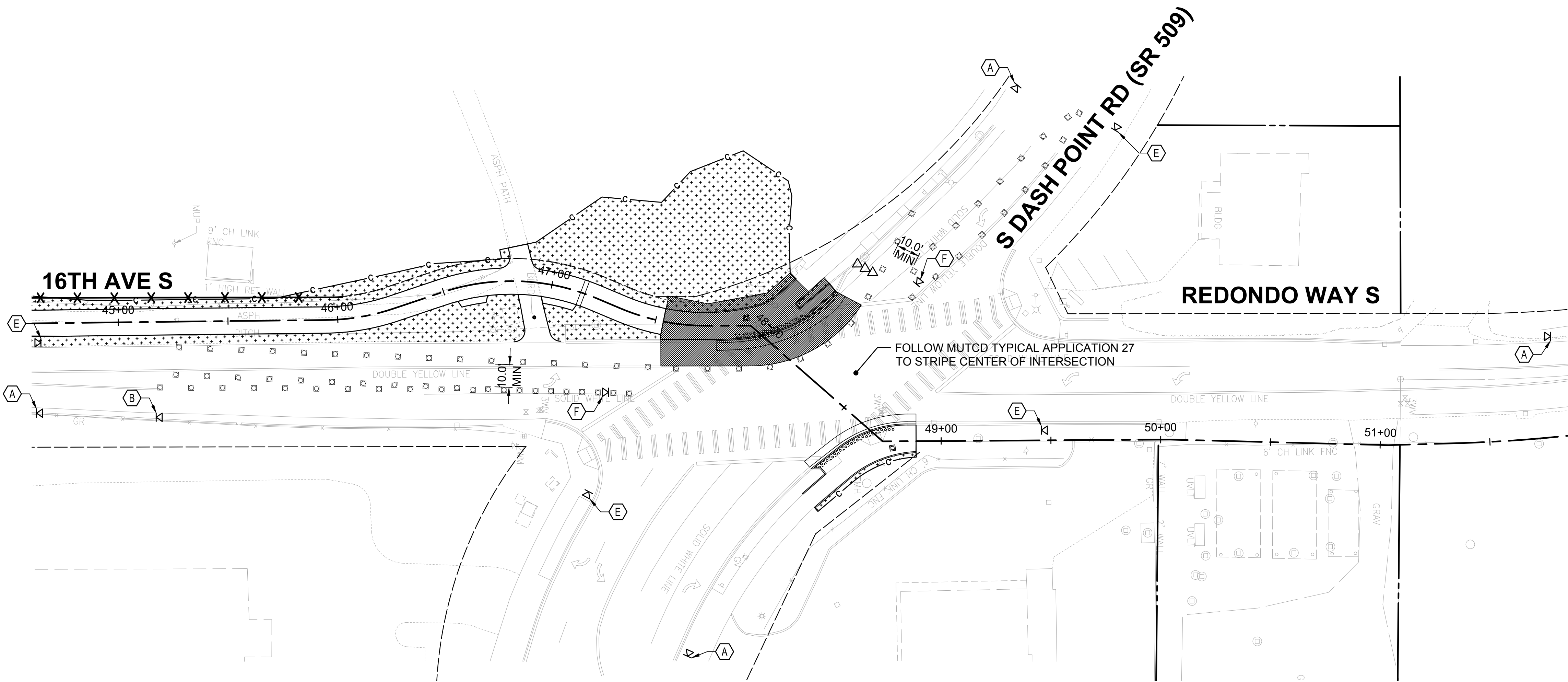


**LEGEND:**

-  TEMPORARY CONSTRUCTION SIGN
-  CHANNELIZING DEVICES
-  SEQUENTIAL ARROW SIGN
-  BARRICADE TYPE 3
-  WORK AREA

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**TC08**

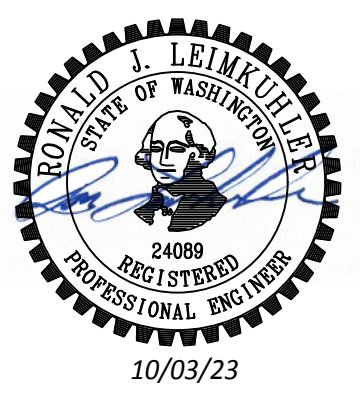
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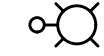

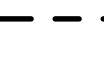



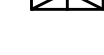
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**TRAFFIC CONTROL PLAN**

SHT. 58  
OF 79  
CITY PROJECT #:  
36219



**LEGEND:**

-  PEDESTRIAN LUMINAIRE
-  EXISTING LUMINAIRE
-  PROPOSED CONDUIT
-  TYPE 1 JUNCTION BOX
-  TYPE 2 JUNCTION BOX
-  EXISTING SERVICE CABINET
-  PROPOSED SERVICE CABINET

**PROJECT NOTES:**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST CITY OF FEDERAL WAY STANDARD PLANS & SPECIAL PROVISIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, AND NATIONAL ELECTRIC CODE.
2. UTILITY LOCATION PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
3. ALL NEW CONDUIT SHALL BE RIGID PVC SCHEDULE 40 (80 UNDER VEHICLE SURFACES) AND SHALL BE PLACED IN THE SAME TRENCH WITH OTHER CONDUIT WHEN POSSIBLE.
4. ALL TYPE 1 AND 2 JUNCTION BOXES SHALL CONFORM TO WSDOT STANDARD PLAN J-40.10.
5. ALL PEDESTRIAN LUMINAIRES SHALL USE LITHONIA D-SERIES SIZE 0 LED AREA LUMINAIRE. EACH LUMINAIRE SHALL CONFORM TO THE FOLLOWING SPECIFICATION: DSX0 LED P5 40K TSW MVOLT RPA DDBXD.
6. ALL PEDESTRIAN LUMINAIRES SHALL HAVE THE FOUNDATION INSTALLED AS SPECIFIED IN THE CITY OF FEDERAL WAY DOWNTOWN STAIRCASE PROJECT WITH THE EXCEPTION OF THE MODIFIED CONDUIT. SEE DETAIL "A" ON THIS SHEET FOR FOUNDATION DETAIL. 2" CONDUIT SHALL BE USED UNLESS OTHERWISE SPECIFIED.
7. INSTALL JUNCTION BOX AND LUMINAIRE PER MODIFIED CITY OF FEDERAL WAY STANDARD PLAN 3-39A SHOWN IN DETAIL "B" ON THIS SHEET.
8. EXISTING UTILITY POLE, STAND ALONE, AND SIGNAL MOUNTED LUMINAIRES ARE NOT INCLUDED IN THE LOAD CALCULATIONS FOR THE BREAKER SCHEDULE.
9. INSTALL ALL WIRING PER DETAIL "C" ON SHEET #59.

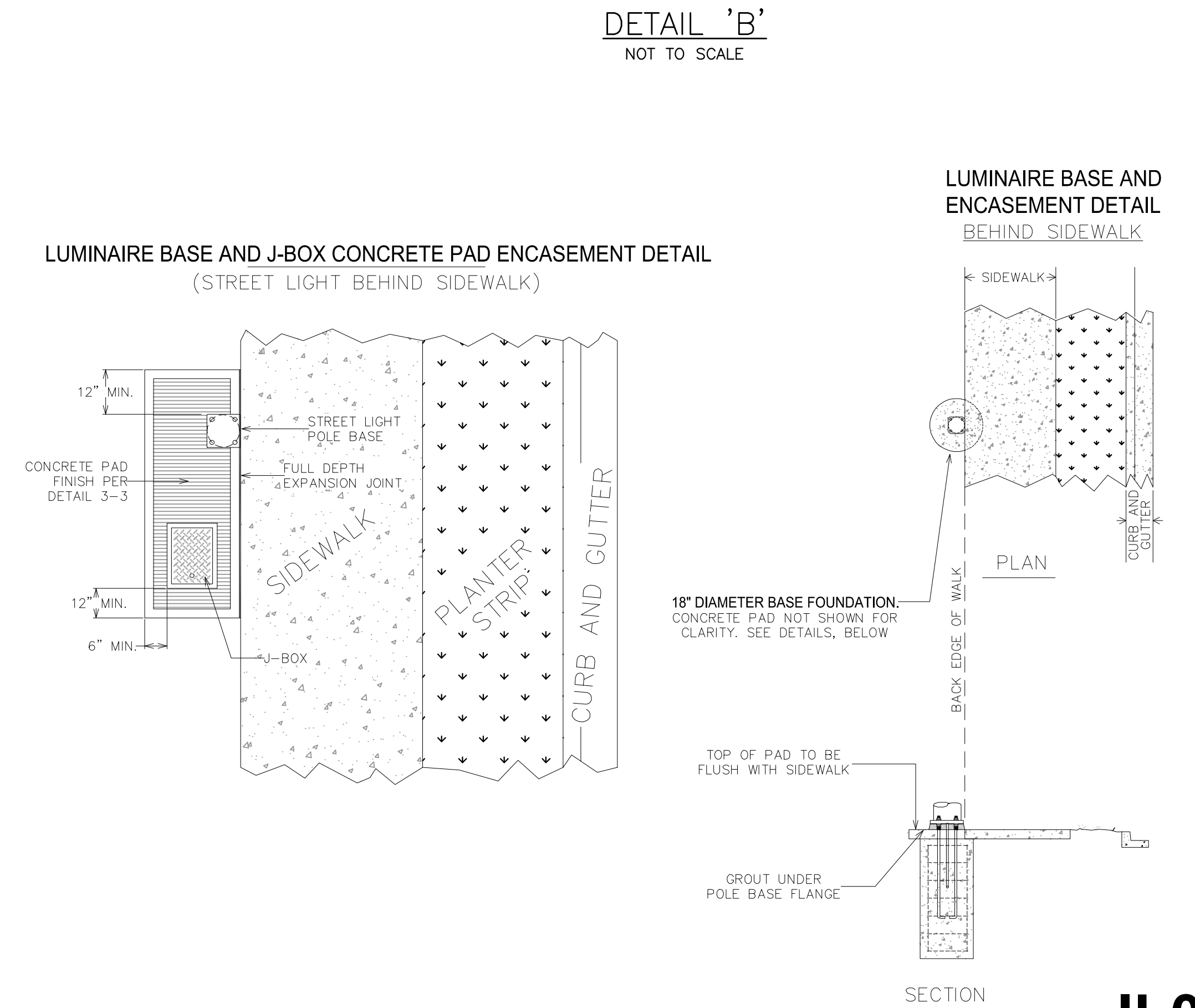
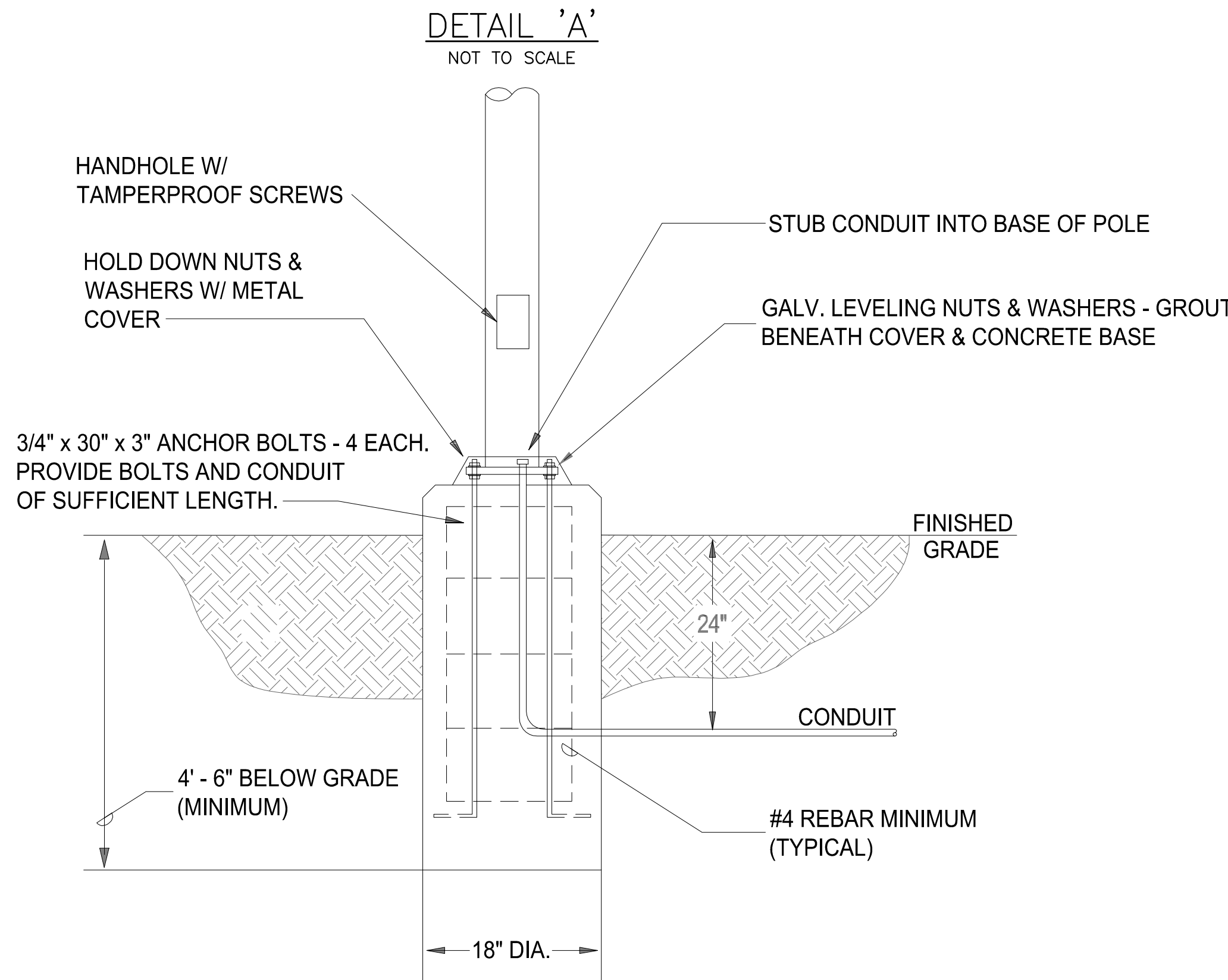
BREAKER SCHEDULE (304TH ST & 16TH AVE)						
CIRCUIT	DESCRIPTION	BREAKER RATING		CONTACTOR RATING	VOLTAGE	LOAD (KVA)
		POLES	AMPS			
---	MAIN	2P	100 AMP	---	---	---
A	ILLUMINATION	2P	15 AMP	30 AMP	---	---
B	ILLUMINATION	2P	15 AMP	30 AMP	120 - 277	1.584
BUSSWORK SHALL BE RATED AT 200 AMP MINIMUM				PEAK		1.584
				CONTINUOUS		1.584

NOTE: FURNISH AND INSTALL 15 AMP BREAKER AND 30 AMP CONTACTOR FOR CIRCUIT A, LOAD TO BE CALCULATED DURING PHASE 2 DESIGN. SEE SHEET #60 FOR SERVICE LOCATION. 240 VAC USED FOR CIRCUIT B LOAD CALCULATION.

BREAKER SCHEDULE (S DASH POINT & 16TH AVE)						
CIRCUIT	DESCRIPTION	BREAKER RATING		CONTACTOR RATING	VOLTAGE	LOAD (KVA)
		POLES	AMPS			
---	MAIN	EX	EX	---	---	---
C	ILLUMINATION	2P	15 AMP	30 AMP	120 - 277	1.488
D	ILLUMINATION	2P	15 AMP	30 AMP	---	---
BUSSWORK SHALL BE RATED AT 200 AMP MINIMUM				PEAK		1.488
				CONTINUOUS		1.488

NOTE: FURNISH AND INSTALL 15 AMP BREAKER AND 30 AMP CONTACTOR FOR CIRCUIT D, LOAD TO BE CALCULATED DURING PHASE 2 DESIGN. SEE SHEET #62 FOR SERVICE LOCATION. 240 VAC USED FOR CIRCUIT C LOAD CALCULATION.

WIRING SCHEDULE				
RUN NO.	CONDUIT SIZE	CONDUCTORS	CIRCUIT	COMMENTS
1	2"	1 GROUND #4	A	CONDUCTORS FOR CIRCUIT A EXTENSION TO BE INSTALLED DURING PHASE 2.
2	2"	4#8 1 GROUND #1 1 GROUND #4	A,B	CONDUCTORS FOR CIRCUIT A EXTENSION TO BE INSTALLED DURING PHASE 2.
3	2"	2#8 1 GROUND #1	B	
4	2"	2#8 1 GROUND #4	C	
5	2"	4#8 1 GROUND #4 1 GROUND #1	C,D	CONDUCTORS FOR CIRCUIT D EXTENSION TO BE INSTALLED DURING PHASE 2.
6	2"	2#8 1 GROUND #1	D	CONDUCTORS FOR CIRCUIT D EXTENSION TO BE INSTALLED DURING PHASE 2.
	2"	1 GROUND #8		SPARE.
7	2"	1 GROUND #4		CONDUIT BETWEEN L20 AND L21 DOES NOT CONTAIN A CIRCUIT RUN.
L	2"	2#8 1 GROUND #8		

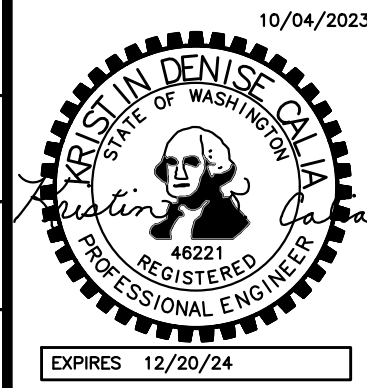


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1001 4th Avenue Suite 4120 Seattle, WA 98154 (206) 576-4220

DRAFTED: NH  
DESIGNED: NH  
REVIEWED: CG  
APPROVED: KC



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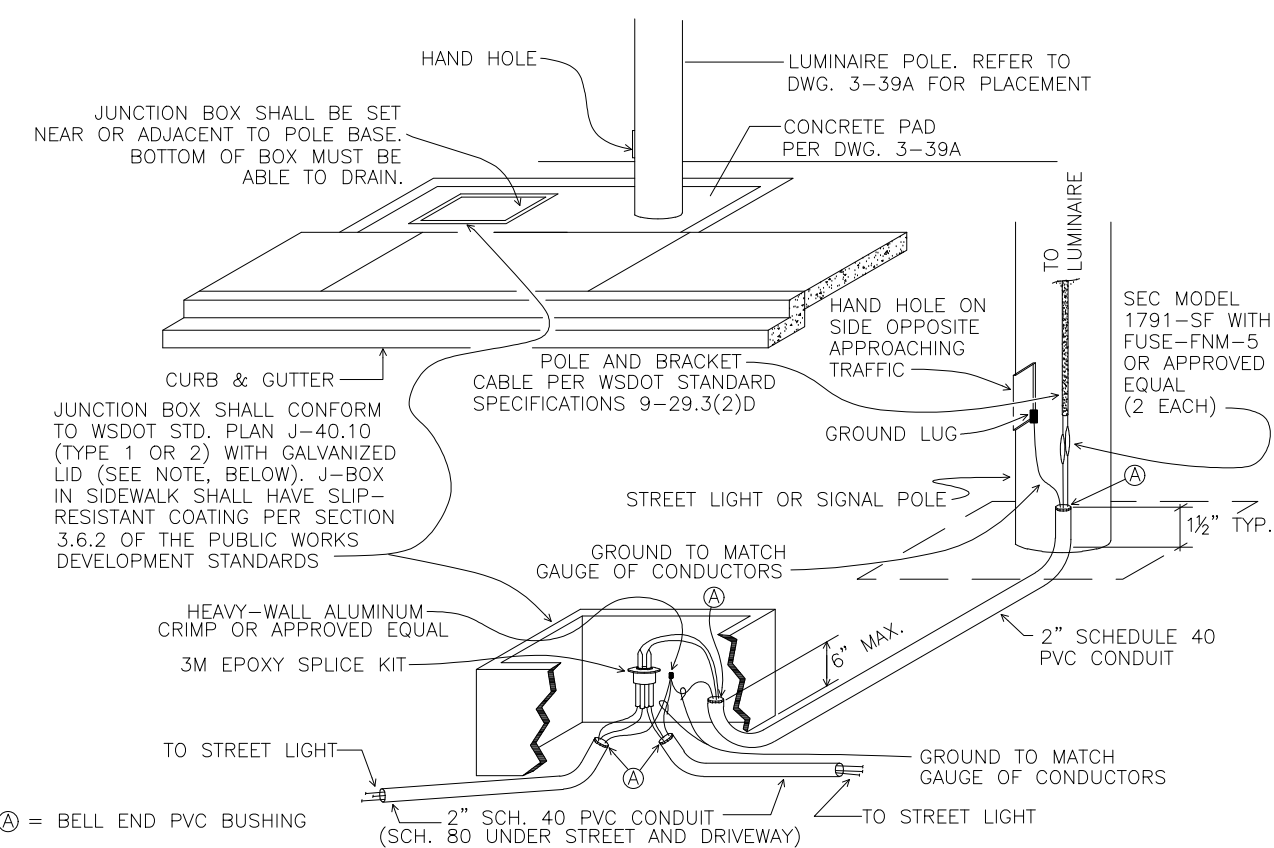
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

ILLUMINATION PLAN

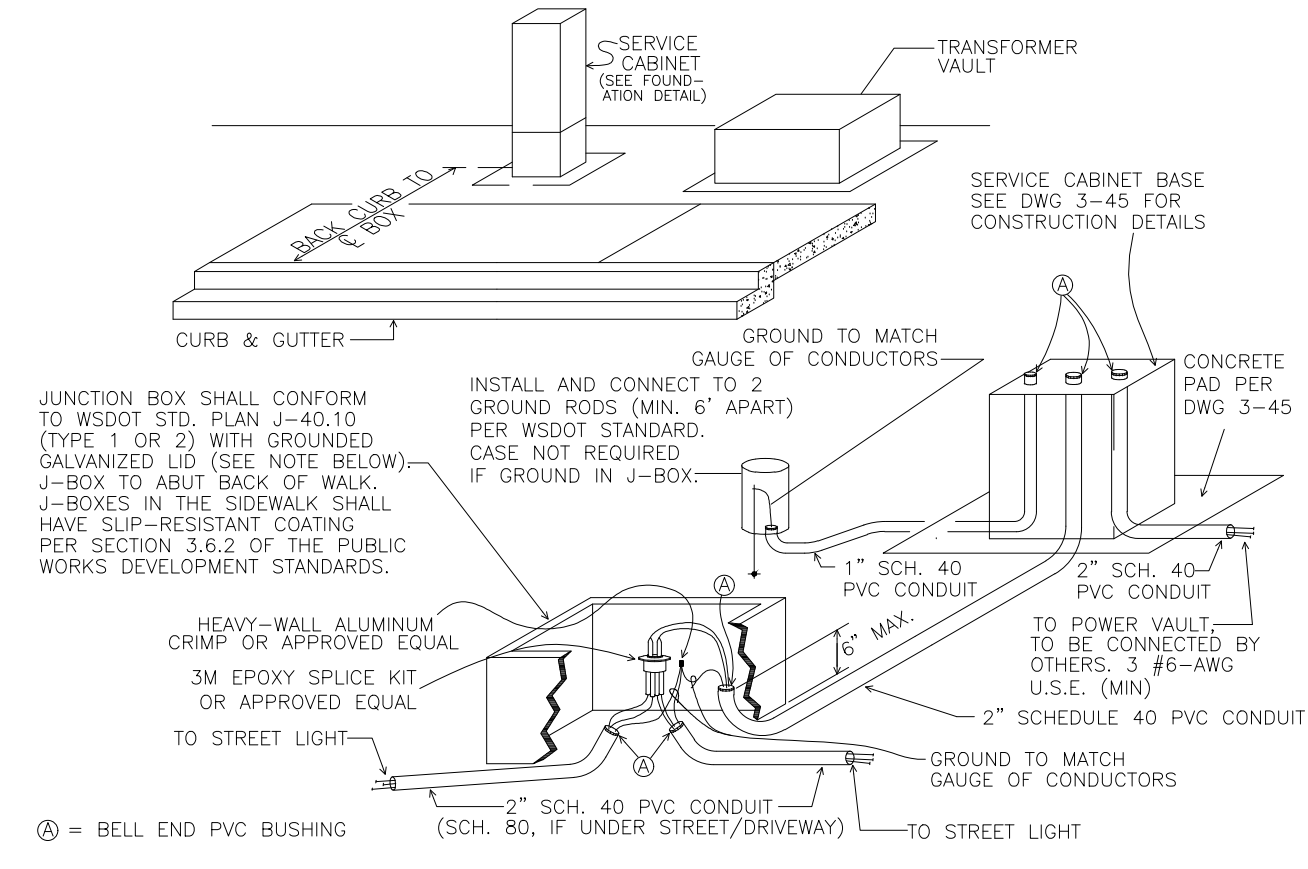
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OF 79  
CITY PROJECT #:  
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DETAIL "C"

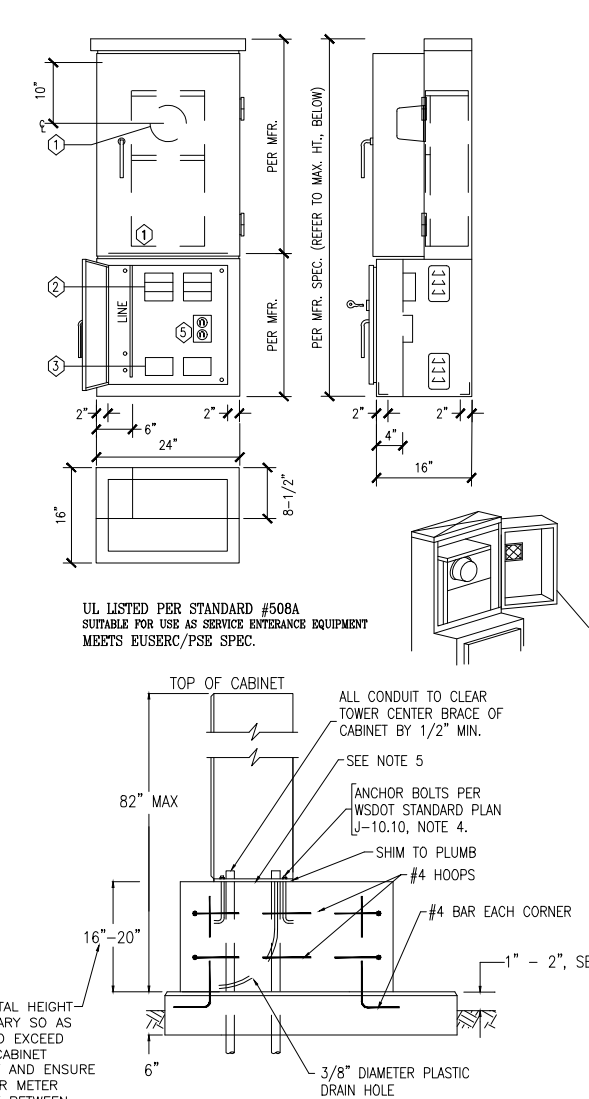


NOTES:  
 1) J-BOX LID TO BE WELDED SHUT AFTER FINAL INSPECTION W/2 1" LONG WELDS AT OPPOSITE CORNERS.  
 2) EXCEPT AS NOTED, ALL WIRING METHODS SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, EXCEPT THAT ALUMINUM CONDUCTORS SHALL BE REQUIRED FOR THE ILLUMINATION SYSTEM.



NOTES:  
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 2) EXCEPT AS NOTED, ALL WIRING METHODS SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, EXCEPT THAT ALUMINUM CONDUCTORS SHALL BE REQUIRED FOR THE ILLUMINATION SYSTEM.

DETAIL "D"



COMPONENT SCHEDULE  
 1 METERBASE: 100 AMP, 4 JAW, 8-LINE U264 BY-PASS TYPE, 5TH AWG AT 9:00 POSITION  
 THE CONTRACTOR SHALL VERIFY THE SOUNDING UTILITIES REQUIREMENTS PRIOR TO FABRICATION AND INSTALLATION OF THE SERVICE EQUIPMENT.  
 2 PANELBOARD: 120/240 VAC, 100 AMP, 1 PHASE, 3 WIRE, COPPER BUS  
 EXCISE BARE BELL-ON BRACKET:  
 1-100/7.5 MAIN BRANCH  
 3-15/2 ILLUMINATION BRANCH  
 1-50/1 SIGNAL BRANCH  
 1-20/1 GROUND FAULT RECEPTACLE BRANCH  
 1-15/1 CONTROL, EXT BRANCH  
 3 CONTRACTOR LIGHTING RATED, 2 POLE, 120 VAC COIL, 3-REQUIRED  
 4 TERMINAL BLOCK TO REMOTE CELL  
 5 GROUND FAULT RECEPTACLE, 120 VAC, DUPLEX, 20A  
 6 THE METER DOOR IS REMOVABLE AND SHALL BE HINGED ON THE RIGHT SIDE

BASE DETAIL  
 NTS  
 1. PAD MOUNT SHALL BE CL. 3000 CONCRETE UNLESS OTHERWISE NOTED ON THE PLANS.  
 2. WHERE PAD MOUNT IS LOCATED IN OR ADJACENT TO SIDEWALK, TOP OF BASE PAD SHALL BE FLUSH WITH TOP OF SIDEWALK AND 6" MIN CHAMFER WHERE PAD AND SIDEWALK MEET.  
 3. PAD MOUNT IS TYPICAL. CONTRACTOR SHALL USE CABINET MFR'S SPEC'S TO ASSURE PROPER FIT OF CABINET ON BASE WITH RESPECT TO CONDUIT PLACEMENT. CONTRACTOR SHALL SUBMIT FOR APPROVAL A PROPOSED DESIGN, WITH PLAN, ELEVATION, AND RELEVANT SECTION VIEWS.  
 4. PLACE SILICONE SEAL BETWEEN THE CABINET AND CABINET FOUNDATION.  
 5. ORIENT FACE OF CABINET DOORS PER PLAN.  
 6. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING SERVICE CONNECTION.  
 7. WHEN SIGNAL CABINET, SERVICE CABINET, AND/OR UPS/BESS AUXILIARY CABINET ARE INSTALLED NEXT TO EACH OTHER, REFER TO CITY DETAIL 3-45C FOR FOUNDATION DETAIL. METER DOOR MUST OPEN 180 DEGREES.  
 8. FUSE SOUND ENERGY (PSE) OR OTHER FRANCHISE UTILITY POWER PROVIDER'S STANDARDS MAY CHANGE PERIODICALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CABINET MEETS THOSE STANDARDS.

WIRING DIAGRAM  
 SEE ILLUMINATION SYSTEM SERVICE DETAIL GROUNDING REQUIREMENTS

UNIFORM LUMINAIRE WIRING DETAIL

ILLUMINATION SYSTEM SERVICE DETAIL

STREET LIGHT SERVICE CABINET

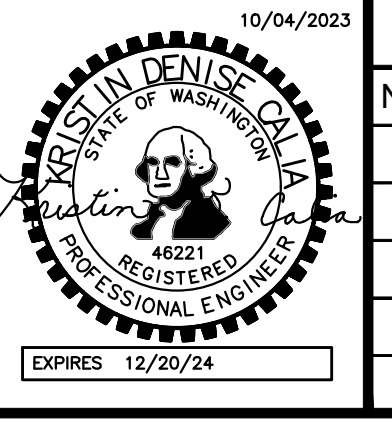
<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (206) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>	DRAFTED:		DRAWING VERSION / REVISION LOG	CITY PROJECT #
	DESIGNED:		NO. DATE REVISION	
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
 ILLUMINATION PLAN

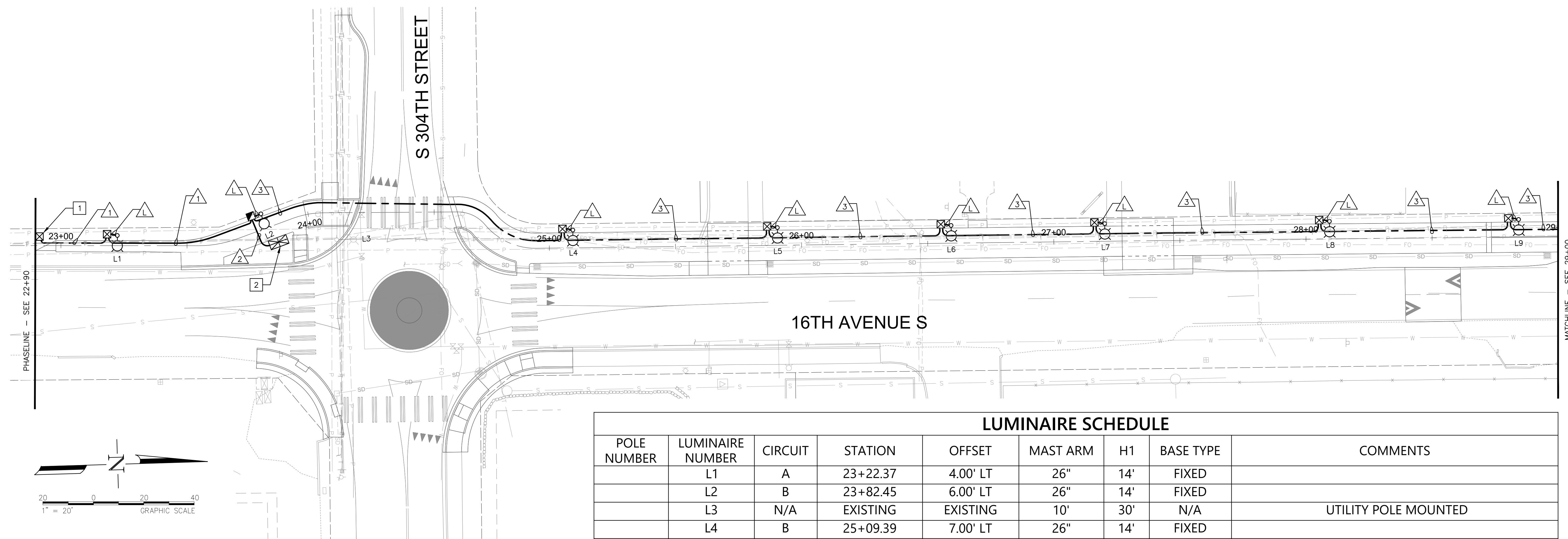
SHT. 60  
 OF 79  
 CITY PROJECT #:  
 36219

IL02



CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 INSTALL TYPE 1 JUNCTION BOX AT THE PHASE LINE AND TERMINATE RUN FOR CIRCUIT A IN THE BOX. RUN TO BE CONTINUED IN PHASE 2.
- 2 PROVIDE AND INSTALL ELECTRICAL SERVICE CABINET AND FOUNDATION. REFER TO DETAIL "D" ON SHEET #59 AND BREAKER SCHEDULE ON SHEET #58.



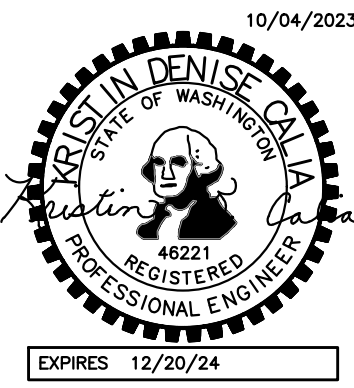
LUMINAIRE SCHEDULE								
POLE NUMBER	LUMINAIRE NUMBER	CIRCUIT	STATION	OFFSET	MAST ARM	H1	BASE TYPE	COMMENTS
	L1	A	23+22.37	4.00' LT	26"	14'	FIXED	
	L2	B	23+82.45	6.00' LT	26"	14'	FIXED	
	L3	N/A	EXISTING	EXISTING	10'	30'	N/A	UTILITY POLE MOUNTED
	L4	B	25+09.39	7.00' LT	26"	14'	FIXED	
	L5	B	25+90.51	7.00' LT	26"	14'	FIXED	
	L6	B	26+59.39	7.00' LT	26"	14'	FIXED	
	L7	B	27+20.28	7.00' LT	26"	14'	FIXED	
	L8	B	28+09.39	7.00' LT	26"	14'	FIXED	
	L9	B	28+84.39	7.00' LT	26"	14'	FIXED	

IL03

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DESIGNED: NH  
REVIEWED: CG  
APPROVED: KC



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

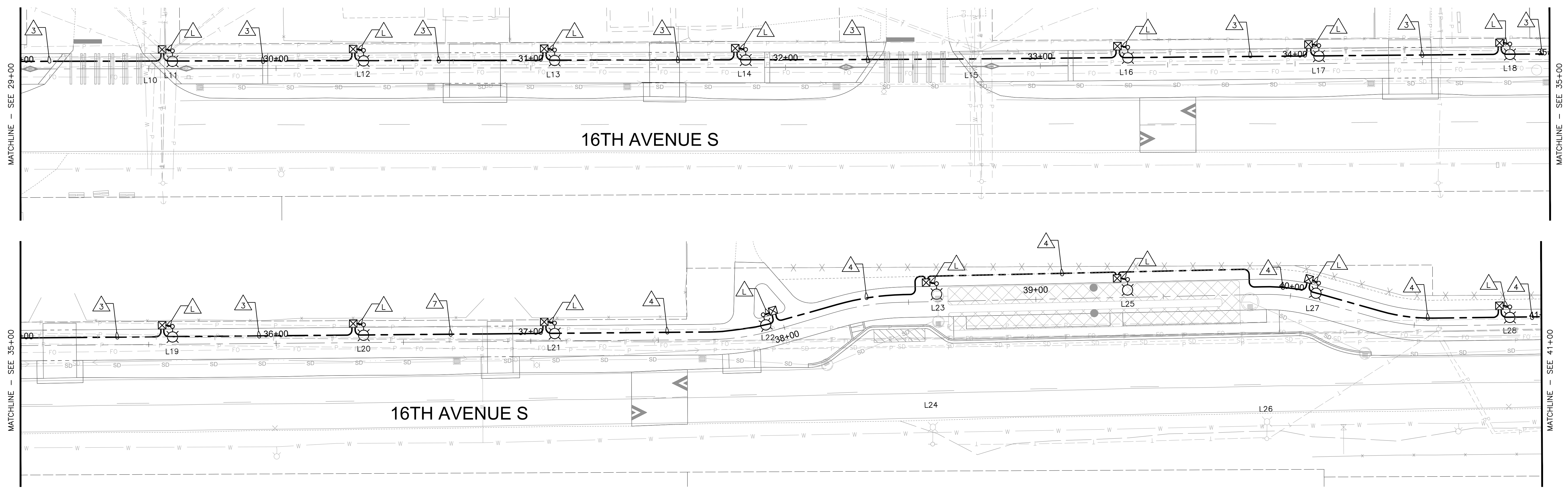
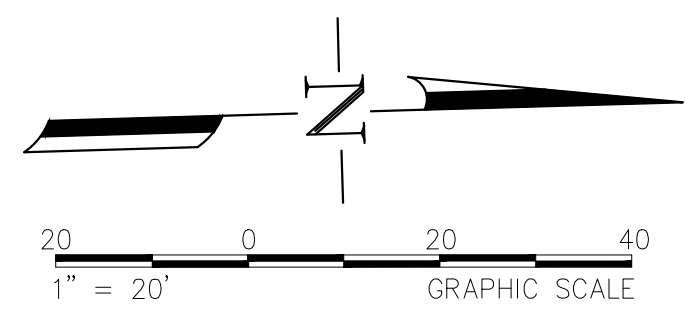
ILLUMINATION PLAN

SHT. 61  
OF 79  
CITY PROJECT #:  
36219



### LUMINAIRE SCHEDULE

POLE NUMBER	LUMINAIRE NUMBER	CIRCUIT	STATION	OFFSET	MAST ARM	H1	BASE TYPE	COMMENTS
	L10	N/A	EXISTING	EXISTING	10'	30'	N/A	UTILITY POLE MOUNTED
	L11	B	29+59.39	7.00' LT	26"	14'	FIXED	
	L12	B	30+34.39	7.00' LT	26"	14'	FIXED	
	L13	B	31+09.39	7.00' LT	26"	14'	FIXED	
	L14	B	31+84.39	7.00' LT	26"	14'	FIXED	
	L15	N/A	EXISTING	EXISTING	10'	30'	N/A	UTILITY POLE MOUNTED
	L16	B	33+34.39	7.00' LT	26"	14'	FIXED	
	L17	B	34+09.39	7.00' LT	26"	14'	FIXED	
	L18	B	34+84.39	7.00' LT	26"	14'	FIXED	
	L19	B	35+59.39	7.00' LT	26"	14'	FIXED	
	L20	B	36+34.39	7.00' LT	26"	14'	FIXED	
	L21	C	37+09.39	7.00' LT	26"	14'	FIXED	
	L22	C	37+93.18	7.00' LT	26"	14'	FIXED	
	L23	C	38+61.04	7.00' LT	26"	14'	FIXED	
	L24	N/A	EXISTING	EXISTING	16'	30'	N/A	UTILITY POLE MOUNTED
	L25	C	39+36.05	7.00' LT	26"	14'	FIXED	
	L26	N/A	EXISTING	EXISTING	16'	30'	N/A	UTILITY POLE MOUNTED
	L27	C	40+09.49	7.00' LT	26"	14'	FIXED	
	L28	C	40+87.57	7.00' LT	26"	14'	FIXED	

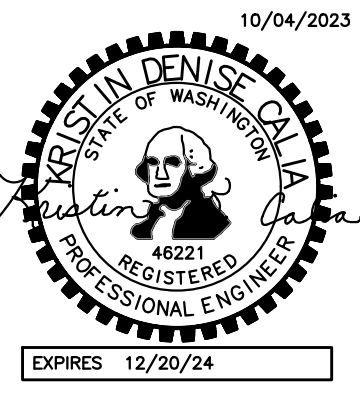


**IL04**

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DRAFTED: NH
DESIGNED: NH
REVIEWED: CG
APPROVED: KC



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NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
 PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
 ILLUMINATION PLAN

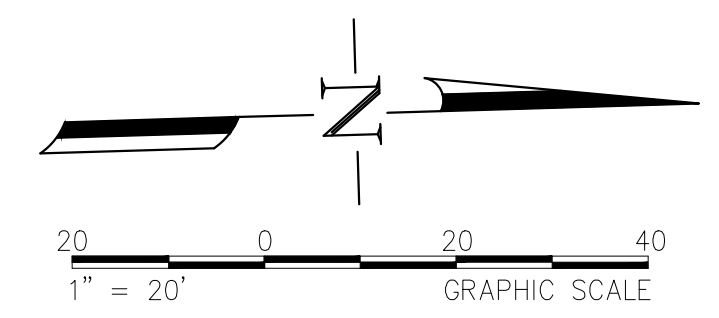
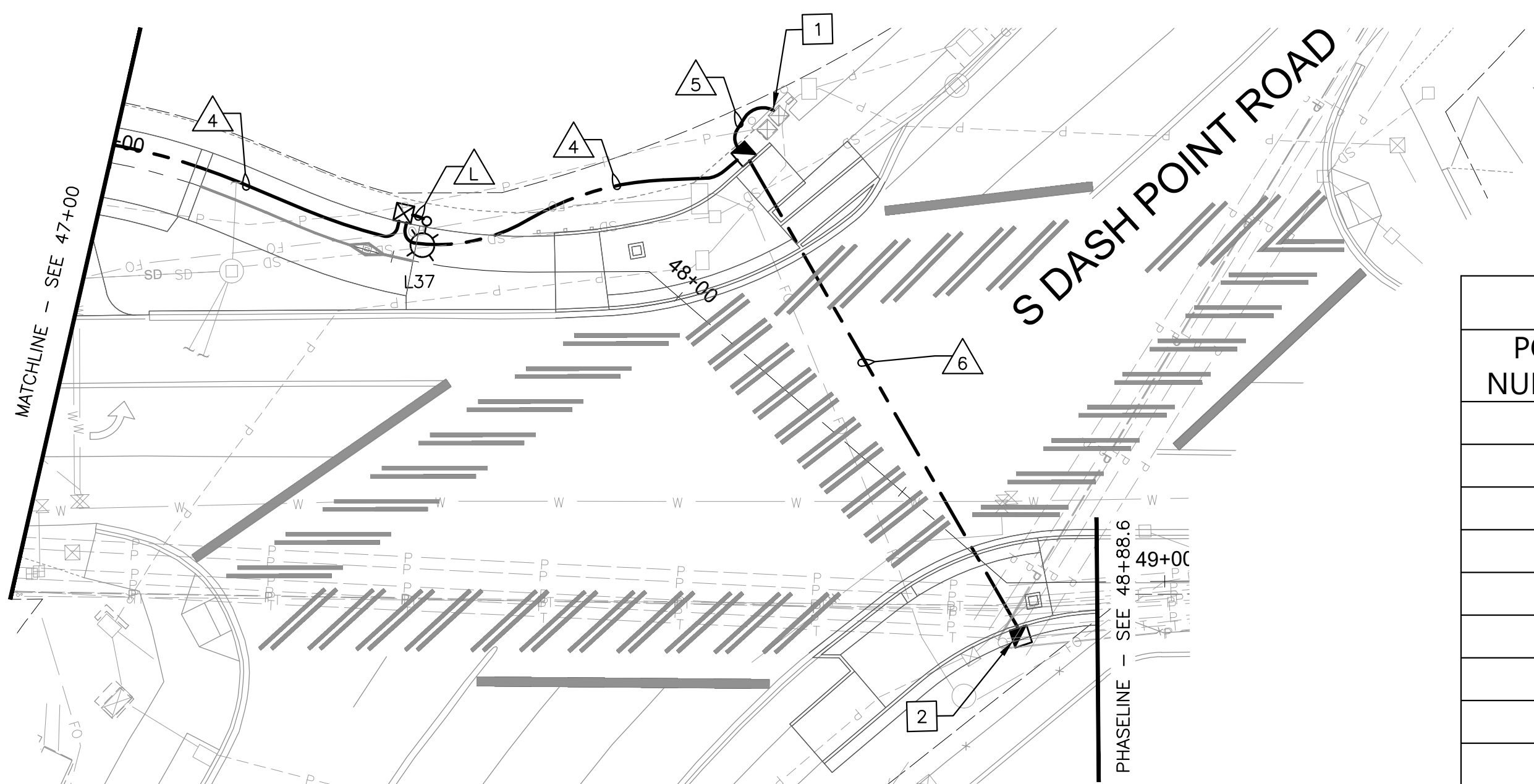
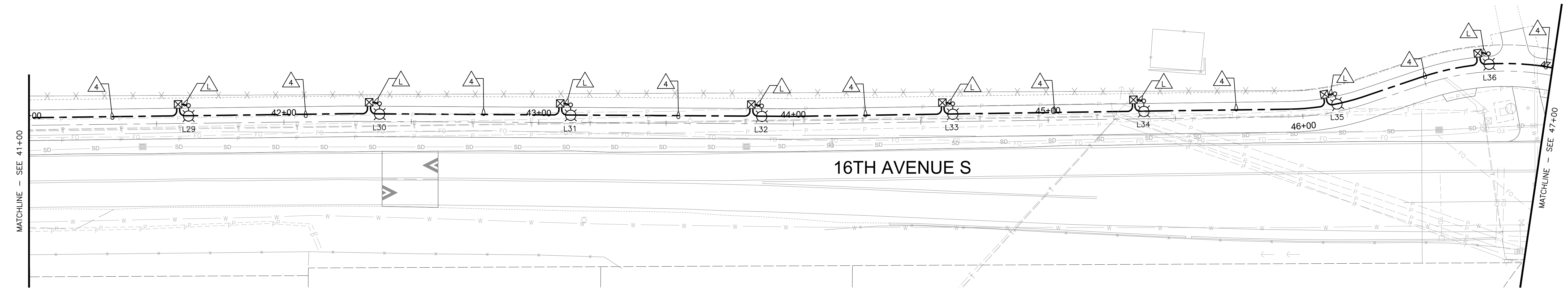
SHT. 62
OF 79
CITY PROJECT #: 36219

**\*\*\* Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com \*\*\***



CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 INSTALL BREAKERS FOR CIRCUITS C AND D IN SERVICE CABINET PER THE BREAKER SCHEDULE ON SHEET #58.
- 2 PROVIDE CONDUIT STUB FOR FUTURE CIRCUIT D CONDUIT TO BE INSTALLED DURING PHASE 2.



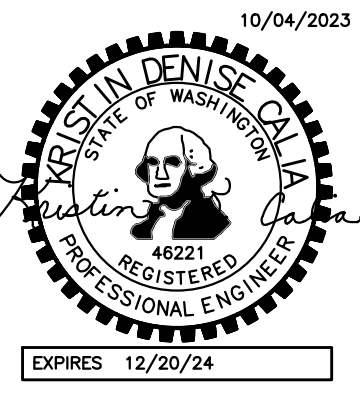
LUMINAIRE SCHEDULE								
POLE NUMBER	LUMINAIRE NUMBER	CIRCUIT	STATION	OFFSET	MAST ARM	H1	BASE TYPE	COMMENTS
	L29	C	41+62.57	7.00' LT	26"	14'	FIXED	
	L30	C	42+37.58	7.00' LT	26"	14'	FIXED	
	L31	C	43+12.58	7.00' LT	26"	14'	FIXED	
	L32	C	43+87.58	7.00' LT	26"	14'	FIXED	
	L33	C	44+62.58	7.00' LT	26"	14'	FIXED	
	L34	C	45+37.58	7.00' LT	26"	14'	FIXED	
	L35	C	46+14.15	7.00' LT	26"	14'	FIXED	
	L36	C	46+75.63	7.00' LT	26"	14'	FIXED	
	L37	C	47+56.64	7.00' LT	26"	14'	FIXED	

IL05

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REVIEWED: CG  
APPROVED: KC



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
ILLUMINATION PLAN

SHT. 63  
OF 79  
CITY PROJECT #:  
36219



**LEGEND (THIS SHEET ONLY):**

 NEW BI-DIRECTIONAL SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON, SEE DETAIL 'A' THIS SHEET.

**CONSTRUCTION NOTES (THIS SHEET ONLY):**

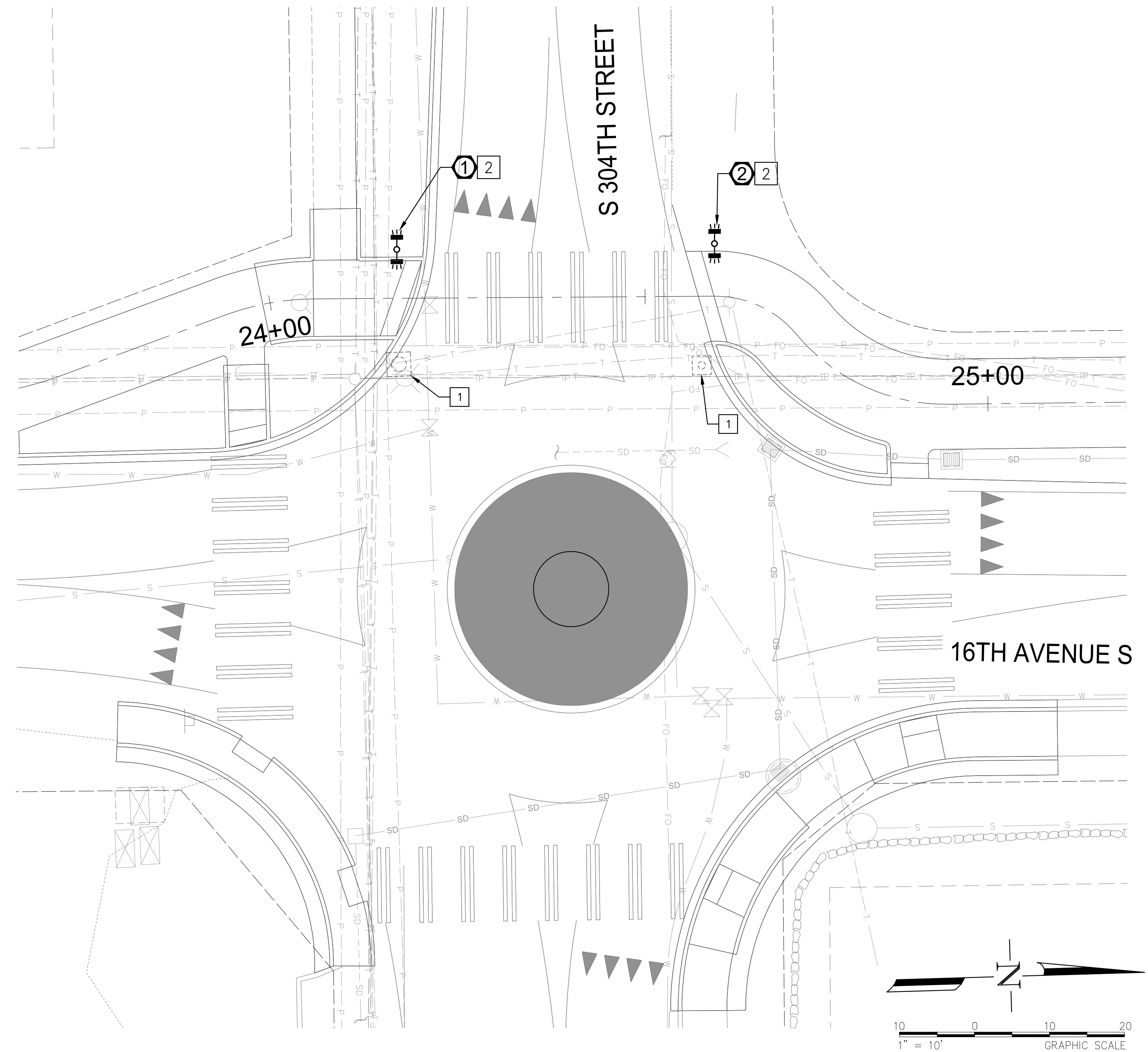
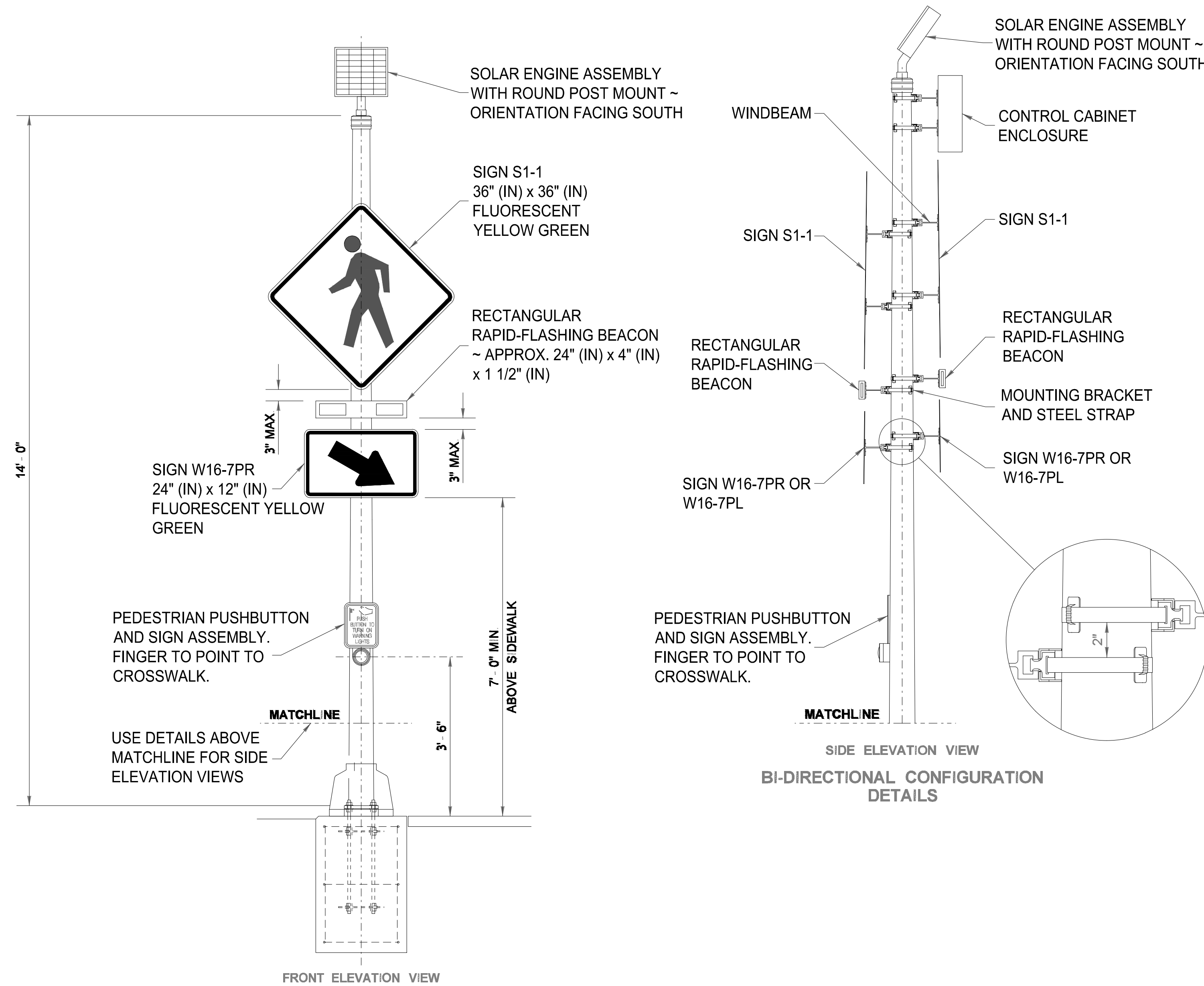
- 1. A. REMOVE AND SALVAGE EXISTING RECTANGULAR RAPID FLASHING BEACON ASSEMBLY. RETURN ALL EXISTING EQUIPMENT (POLES/BASES/COLLARS, FLASHERS, PUSH BUTTONS, SIGNS, SOLAR PANELS) TO THE KING COUNTY SIGNAL SHOP.
- B. CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING FOUNDATIONS.
- 2. A. INSTALL NEW SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON ASSEMBLY IN ACCORDANCE WITH DETAIL "A" ON THIS SHEET AND SECTION 9-29.5 OF THE LATEST CITY OF FEDERAL WAY SPECIAL PROVISIONS.
- B. INSTALL ASSEMBLY ON FIXED FOUNDATION PER WSDOT STANDARD PLAN J-21.10 AND MODIFY AS NEEDED.

STD. No.	SR #	SR MILE POST	FIELD LOCATION				POLE TYPE
			STATION	OFFSET	LT.	RT.	
1			24+16.97	6.50'	X		FW RRFB
2			24+59.29	7.00'	X		FW RRFB

**PROJECT NOTES**

- 1. UTILITY LOCATION PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH MOST RECENT CITY OF FEDERAL WAY STANDARD PLANS & SPECIAL PROVISIONS, THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) 2023 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND WSDOT STANDARD PLANS.

**DETAIL 'A'**  
NOT TO SCALE

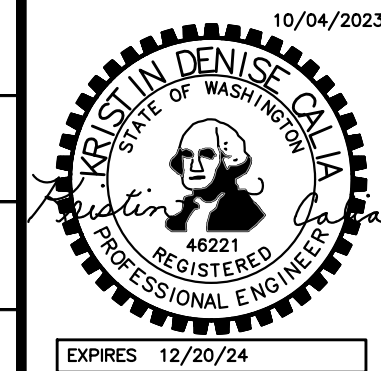


**RRFB01**

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DESIGNED: NH  
REVIEWED: MH  
APPROVED: KC



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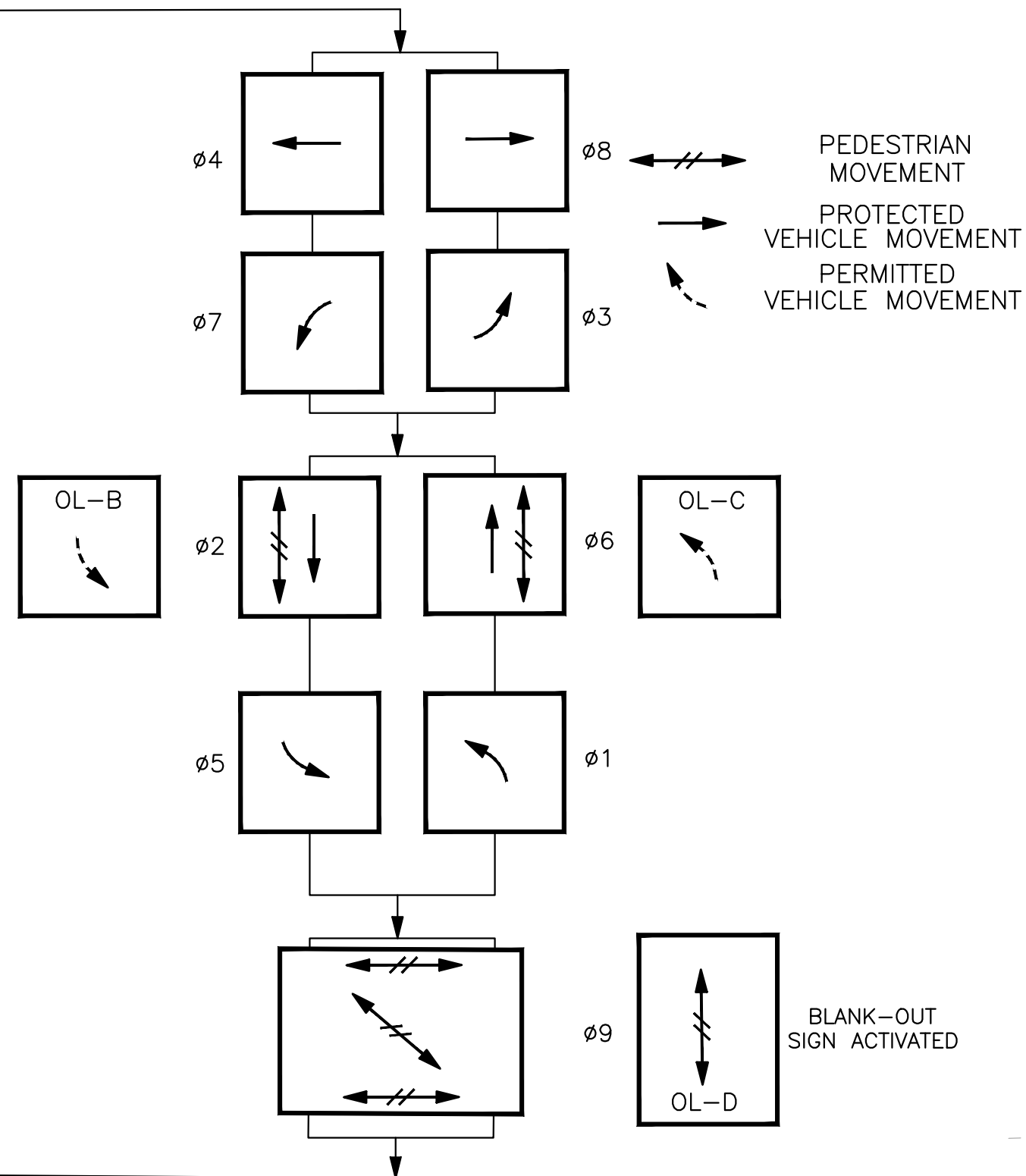
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
SIGNAL UPGRADES (S 304TH ST AND S DASH POINT RD AT 16TH AVE S)

RECTANGULAR RAPID FLASHING BEACON PLAN

SHT. 64  
OF 79  
CITY PROJECT #:  
36219

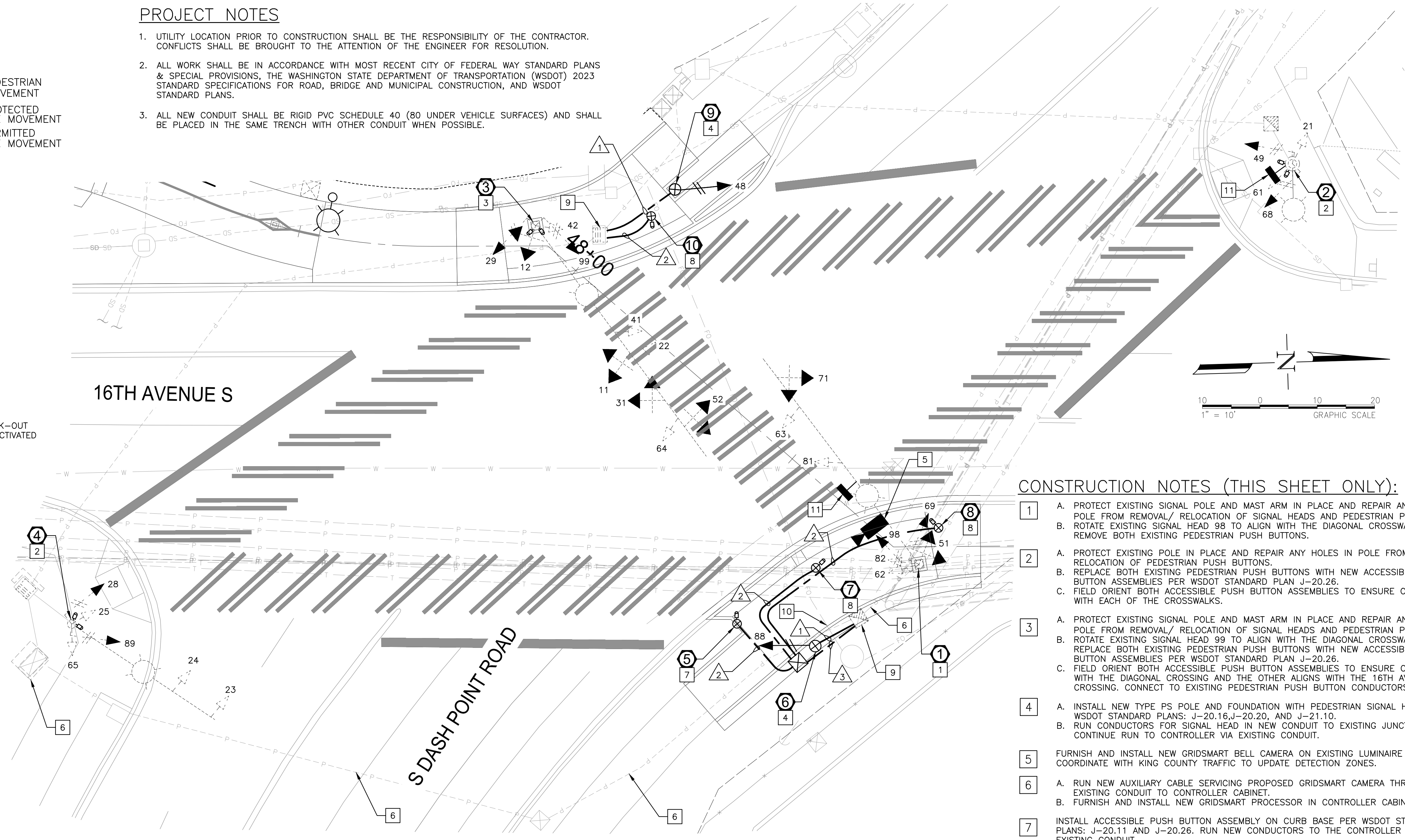


**SIGNAL PHASING DIAGRAM**



**PROJECT NOTES**

- UTILITY LOCATION PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH MOST RECENT CITY OF FEDERAL WAY STANDARD PLANS & SPECIAL PROVISIONS, THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) 2023 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND WSDOT STANDARD PLANS.
- ALL NEW CONDUIT SHALL BE RIGID PVC SCHEDULE 40 (80 UNDER VEHICLE SURFACES) AND SHALL BE PLACED IN THE SAME TRENCH WITH OTHER CONDUIT WHEN POSSIBLE.



**LEGEND (THIS SHEET ONLY):**

- EXISTING SIGNAL MAST ARM POLE WITH LUMINAIRE
- EXISTING SIGNAL HEAD (WITH ARROW)
- EXISTING SIGNAL HEAD (WITH BALL)
- EXISTING TYPE 2 JUNCTION BOX
- EXISTING TYPE 8 JUNCTION BOX
- EXISTING STREETLIGHT
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED BELL GRIDSMART CAMERA
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED APS ASSEMBLY
- PROPOSED TYPE PS POLE
- PROPOSED PPB POST
- PROPOSED BLANK OUT SIGN
- PROPOSED CONDUIT
- PROPOSED TYPE 1 JUNCTION BOX

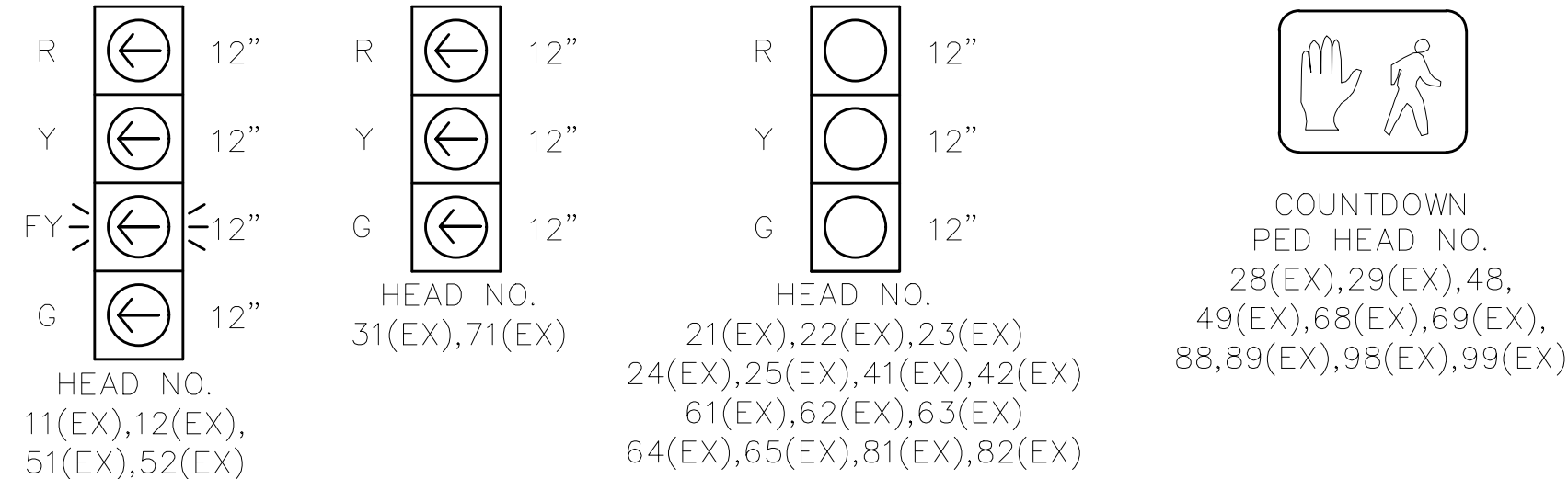
**SIGNAL WIRING SCHEDULE**

RUN NO.	CONDUIT SIZE	PPB	SIGNAL HEAD/PED HEAD	FILL (IN <sup>3</sup> )
1	2"	2C	5C	0.14
2	1"	1		0.09
3	2"	3		0.27

**SIGNAL FACE SCHEDULE**



BLANK OUT SIGN  
36" X 36"  
LED R3-1



**CONSTRUCTION NOTES (THIS SHEET ONLY):**

- A. PROTECT EXISTING SIGNAL POLE AND MAST ARM IN PLACE AND REPAIR ANY HOLES IN POLE FROM REMOVAL/ RELOCATION OF SIGNAL HEADS AND PEDESTRIAN PUSH BUTTONS.  
B. ROTATE EXISTING SIGNAL HEAD 98 TO ALIGN WITH THE DIAGONAL CROSSWALK AND REMOVE BOTH EXISTING PEDESTRIAN PUSH BUTTONS.
- A. PROTECT EXISTING POLE IN PLACE AND REPAIR ANY HOLES IN POLE FROM REMOVAL/ RELOCATION OF PEDESTRIAN PUSH BUTTONS.  
B. REPLACE BOTH EXISTING PEDESTRIAN PUSH BUTTONS WITH NEW ACCESSIBLE PUSH BUTTON ASSEMBLIES PER WSDOT STANDARD PLAN J-20.26.  
C. FIELD ORIENT BOTH ACCESSIBLE PUSH BUTTON ASSEMBLIES TO ENSURE ONE ALIGNS WITH EACH OF THE CROSSWALKS.
- A. PROTECT EXISTING SIGNAL POLE AND MAST ARM IN PLACE AND REPAIR ANY HOLES IN POLE FROM REMOVAL/ RELOCATION OF SIGNAL HEADS AND PEDESTRIAN PUSH BUTTONS.  
B. ROTATE EXISTING SIGNAL HEAD 99 TO ALIGN WITH THE DIAGONAL CROSSWALK AND REPLACE BOTH EXISTING PEDESTRIAN PUSH BUTTONS WITH NEW ACCESSIBLE PUSH BUTTON ASSEMBLIES PER WSDOT STANDARD PLAN J-20.26.  
C. FIELD ORIENT BOTH ACCESSIBLE PUSH BUTTON ASSEMBLIES TO ENSURE ONE ALIGNS WITH THE DIAGONAL CROSSING AND THE OTHER ALIGNS WITH THE 16TH AVE S CROSSING. CONNECT TO EXISTING PEDESTRIAN PUSH BUTTON CONDUCTORS.
- A. INSTALL NEW TYPE PS POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL HEAD PER WSDOT STANDARD PLANS: J-20.16, J-20.20, AND J-21.10.  
B. RUN CONDUCTORS FOR SIGNAL HEAD IN NEW CONDUIT TO EXISTING JUNCTION BOX. CONTINUE RUN TO CONTROLLER VIA EXISTING CONDUIT.
- FURNISH AND INSTALL NEW GRIDSMART BELL CAMERA ON EXISTING LUMINAIRE MAST ARM. COORDINATE WITH KING COUNTY TRAFFIC TO UPDATE DETECTION ZONES.
- A. RUN NEW AUXILIARY CABLE SERVICING PROPOSED GRIDSMART CAMERA THROUGH EXISTING CONDUIT TO CONTROLLER CABINET.  
B. FURNISH AND INSTALL NEW GRIDSMART PROCESSOR IN CONTROLLER CABINET.
- INSTALL ACCESSIBLE PUSH BUTTON ASSEMBLY ON CURB BASE PER WSDOT STANDARD PLANS: J-20.11 AND J-20.26. RUN NEW CONDUCTORS TO THE CONTROLLER VIA NEW AND EXISTING CONDUIT.
- INSTALL ACCESSIBLE PUSH BUTTON ASSEMBLY ON BREAKAWAY BASE PER WSDOT STANDARD PLANS: J-20.15 AND J-20.26. RUN NEW CONDUCTORS TO THE CONTROLLER VIA NEW AND EXISTING CONDUIT.
- ADJUST EXISTING JUNCTION BOX TO FINISH GRADE AND LOWER EXISTING CONDUIT RISERS TO MEET JUNCTION BOX CLEARANCE REQUIREMENTS TO MAXIMUM EXTENT FEASIBLE.
- EXISTING FIBER OPTIC CABLE AND CONDUIT. MAINTAIN AND PROTECT DURING CONSTRUCTION OPERATIONS.
- INSTALL BLANK-OUT SIGN PER MANUFACTURERS GUIDELINES AND POLE SCHEDULE ON SHEET #65. RUN NEW CONDUCTORS TO THE CONTROLLER VIA EXISTING CONDUIT.

**SG01**

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**SIGNAL STANDARD NOTES:**

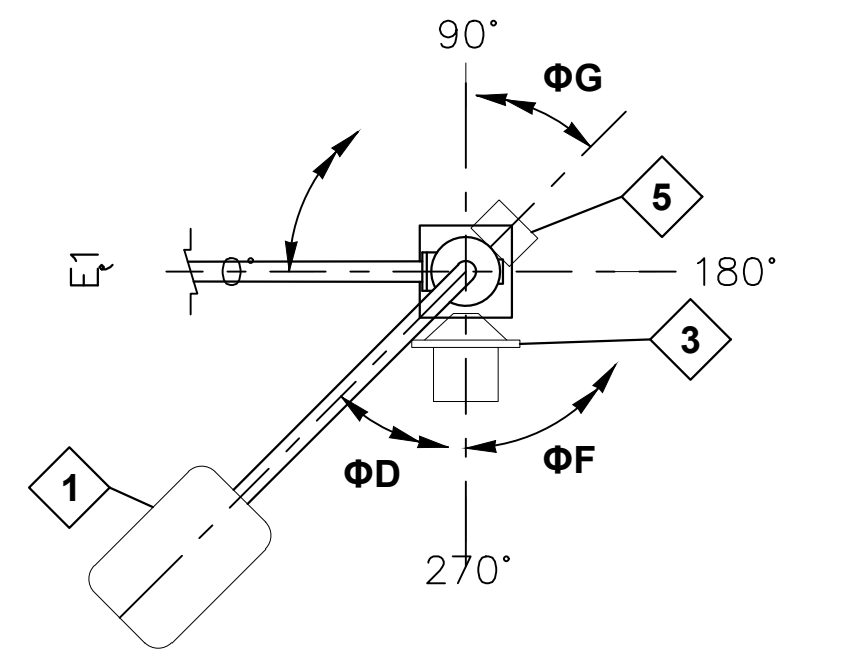
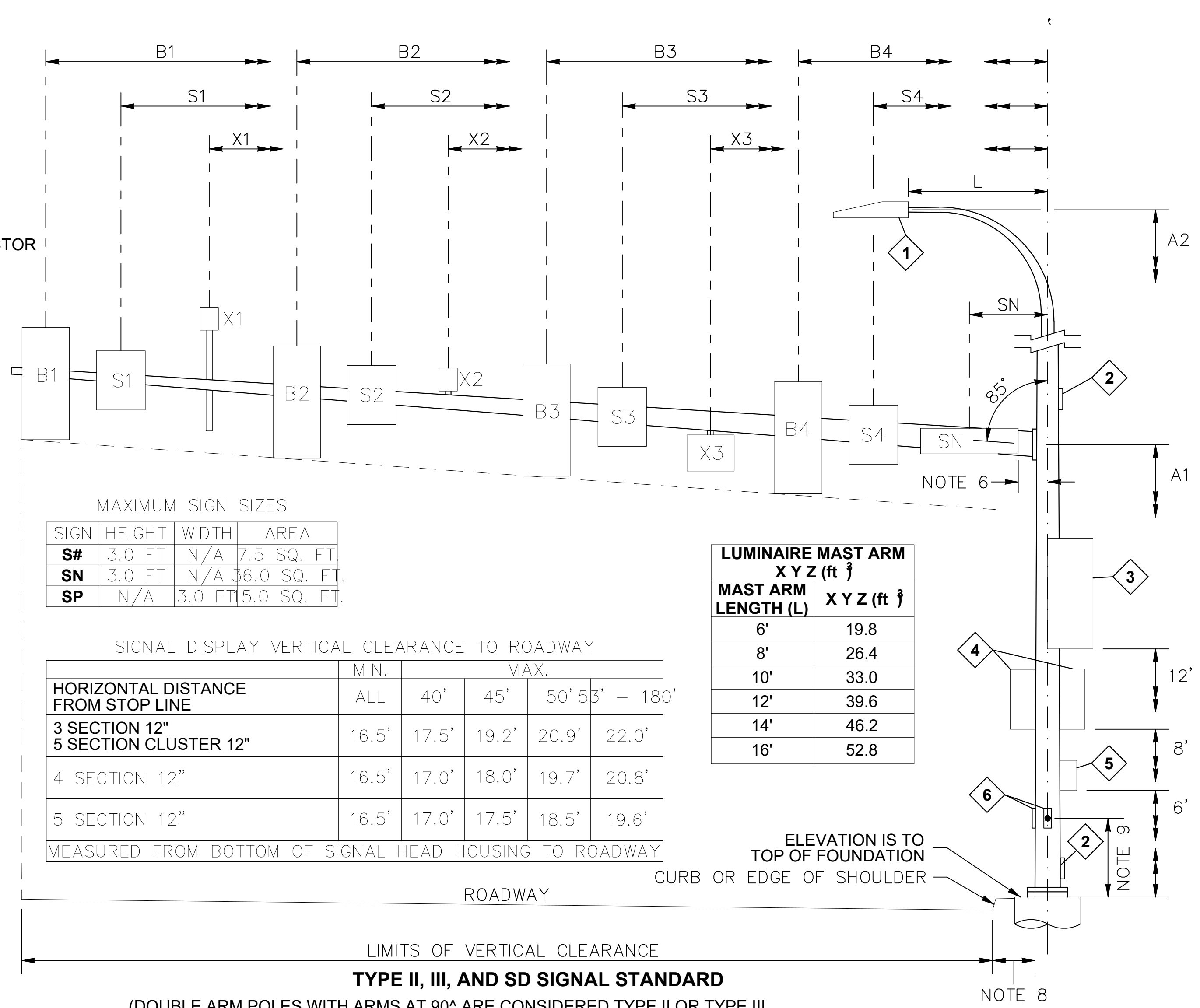
- VARIABLE/DYNAMIC MESSAGE SIGNS MAY NOT BE INSTALLED ON THESE POLES. BLANK OUT SIGNS MAY BE INSTALLED ON MAST ARM OR VERTICAL POLE.
- POLE ORIENTATION ANGLE IS MEASURED BETWEEN THE STATION OFFSET LINE AND THE CENTER OF THE BASEPLATE FRONT. THE POLE HAND HOLE IS ALWAYS AT THE BACK OF THE BASEPLATE (180° ON THE BASEPLATE).
- B# POSITIONS HAVE TENONS INSTALLED AT POSITIONS SHOWN IN CHART UNLESS TYPE N MOUNT REQUIRED.
- B# POSITIONS REQUIRING TYPE N MOUNTS AND ALL OTHER MAST ARM WIRED DEVICES SHALL HAVE MAST ARM FIELD DRILLED AND PLASTIC SPLIT BUSHING INSTALLED FOR CABLE ENTRANCE.
- S#, SN, AND SP POSITIONS SHALL HAVE SIGNS FIELD INSTALLED. SIGN SIZES SHALL NOT EXCEED THE MAXIMUM VALUES LISTED FOR EACH POSITION.
- SIGN SN SHALL BE 1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE.
- SIGN SP SHALL BE A MINIMUM OF 2' - 0" FROM THE EDGE OF THE SIGN TO THE FACE OF CURB OR EDGE OF SHOULDER.
- FACE OF POLE SHALL BE A MINIMUM OF THE REQUIRED DEFLECTION DISTANCE SHOWN IN DESIGN MANUAL EXHIBIT 1610-3 FROM THE APPLICABLE BARRIER - OR 2' - 0" FROM FACE OF CURB, EDGE OF SHOULDER, OR BACK OF BARRIER - WHICHEVER IS LONGER.
- PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT 3' - 6" FROM SURFACE OF SIDEWALK TO CENTER OF CIRCULAR PUSHBUTTON (NOT THE HOUSING)
- WHERE TYPE E PEDESTRIAN SIGNAL DISPLAY MOUNTS ARE REQUIRED, AND AN 8-SIDED POLE IS PROVIDED, TYPE A OR B MOUNTS SHALL BE USED INSTEAD.
- SEE STANDARD PLAN J-20.01 FOR REQUIRED POLE ID TAGS.

MAST ARM EQUIPMENT

- B# VEHICLE DISPLAY
- S# MAST ARM SIGN
- SN MAST ARM STREET NAME SIGN
- X# PRE-EMPT, VIDEO, OR RADAR DETECTOR

NON-WINDLOAD DEVICES

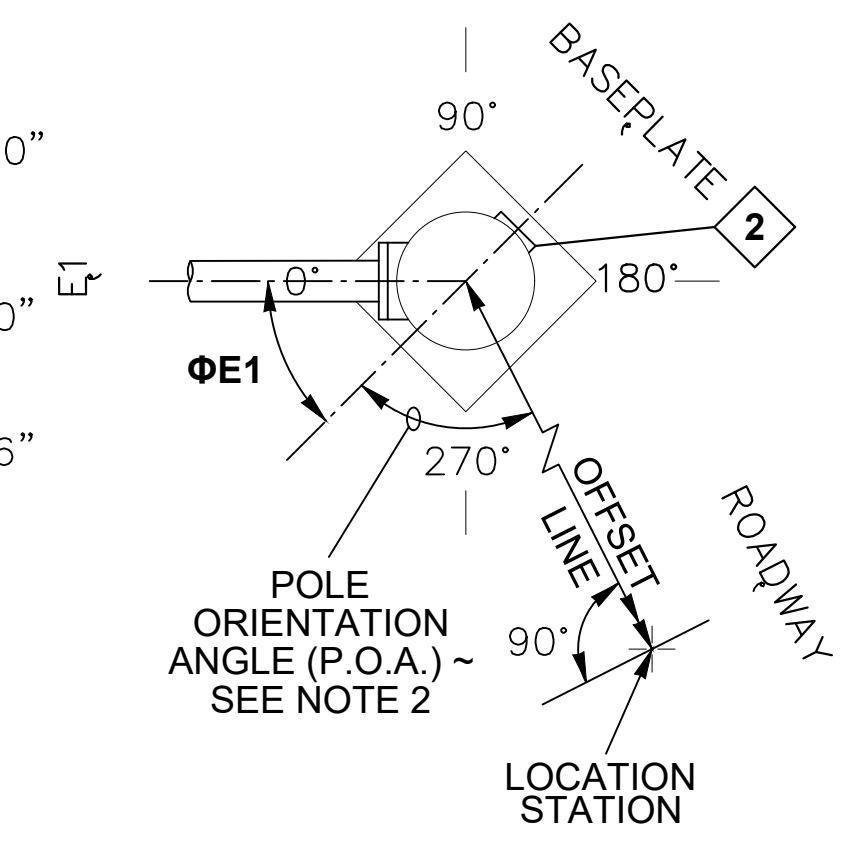
LOC.	DEVICE	OFFSET
X1	IR VID. DET.	00.0
X2	EVP DET.	00.0
X3	RADAR DET.	00.0



**POLE MOUNTED EQUIPMENT ORIENTATION DETAIL**

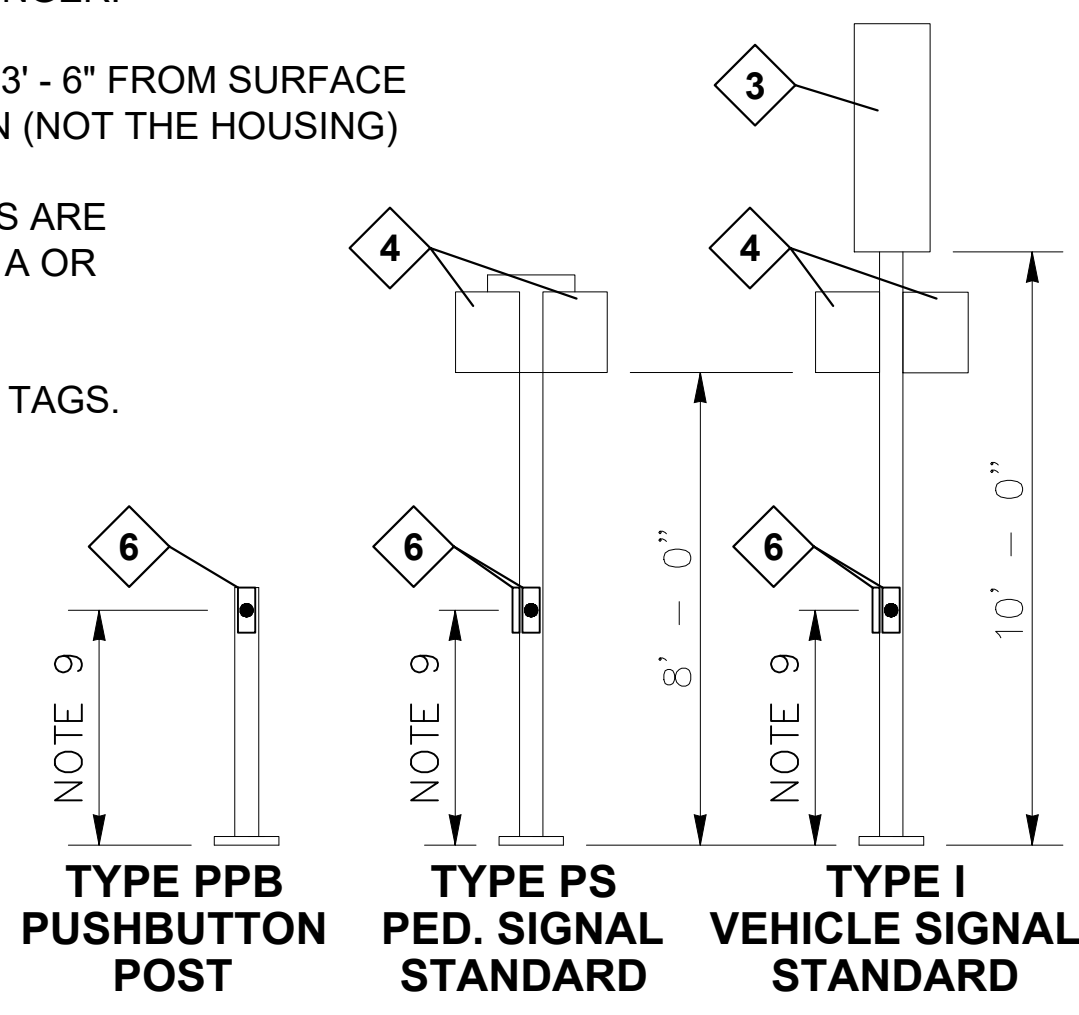
**KEY ITEMS**

#	ITEM
1	LUMINAIRE
2	HAND HOLE
3	VEHICLE DISPLAY OR SIGN (SP)
4	PEDESTRIAN DISPLAY (FIELD ORIENT)
5	TERMINAL CABINET
6	APS PPB-M (FIELD ORIENT)



**POLE ORIENTATION AND E1 ATTACHMENT POINT DETAIL**

STANDARD TYPE	STANDARD PLAN REFERENCES		
	POLE	FOUNDATION STANDARD CURB	ELECTRICAL
PPB	FIXED	J-20.10	J-20.10
	BREAKAWAY	J-20.15	J-20.15
PS	J-20.16	J-21.10	J-20.20
I	J-21.15	J-21.10	J-21.20
II, III, SD	N/A	J-26.10, J-26.15	N/A



**TYPE II, III, AND SD SIGNAL STANDARD**  
(DOUBLE ARM POLES WITH ARMS AT 90° ARE CONSIDERED TYPE II OR TYPE III. DOUBLE ARM POLES WITH ARMS AT OTHER THAN 90° ARE CONSIDERED TYPE SD.)

**SIGNAL STANDARD DETAIL CHART**

STD. No.	SR #	SR MILE POST	FIELD LOCATION				POLE TYPE	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA														LUMINAIRE ARM (FT)	CALCULATED POLE XYZ (FT)	POLE ATTACHMENT POINT					FOUNDATION DESIGN XYZ (FT)	SOIL BEARING PRESSURE (PSF)	FOUNDATION DEPTH (FT)				REMARKS			
			STATION	OFFSET	L.T.	R.T.		ELEV. *	P.O.A.	A1	A2	OFFSETS (FT) (Z) (POLE TO ATTACHMENT POINT)							WINDLOAD AREAS (FT²) (X)(Y)							Φ ANGLES (DEGREES)							ALTERNATE 1		ALTERNATE 2					
												B1	S1	B2	S2	B3	S3	B4	S4	SN	B1	S1	B2			S2	B3	S3	B4	S4			SN	C	*	*		D	E1	E2
1			EXISTING			X																																		EXISTING POLE AND FOUNDATION. INSTALL NEW BLANK OUT SIGN (S1).
2			EXISTING			X																																	EXISTING POLE AND FOUNDATION. INSTALL NEW BLANK OUT SIGN ABOVE EXISTING SIGNAL HEADS.	
3			EXISTING			X																																	EXISTING POLE AND FOUNDATION. NO CHANGE TO MAST ARM EQUIPMENT.	
4			EXISTING			X																																	EXISTING POLE AND FOUNDATION. NO CHANGE TO MAST ARM EQUIPMENT.	
5			48+62.14	28.00'		X																																		
6			SEE REMARKS																																					INSTALL POLE AND FOUNDATION AT BACK OF SIDEWALK OFFSET 5 FEET TO THE EAST FROM THE EAST EDGE OF THE CROSSWALK.
7			48+65.58	11.62'		X																																		
8			48+81.13	3.25'		X																																		

\* ELEVATION IS TO TOP OF FOUNDATION. FIELD VERIFY ELEVATION PRIOR TO ORDERING SIGNAL STANDARDS. IF NO ELEVATION SHOWN, ELEVATION SHALL MATCH TOP OF SIDEWALK OR ROAD SHOULDER AS APPLICABLE.

\*\* CALCULATED POLE XYZ (FT) IS THE SUM OF THE TOTAL XYZ (FT) FOR THE SIGNAL ARM AND THE XYZ (FT) FOR THE LUMINAIRE ARM (IF PRESENT).

**SG02**



DRAFTED: NH  
DESIGNED: NH  
REVIEWED: MH  
APPROVED: KC



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
SIGNAL UPGRADES (S 304TH ST AND S DASH POINT RD AT 16TH AVE S)  
TRAFFIC SIGNAL MODIFICATION PLAN

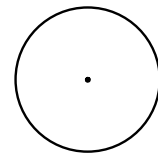

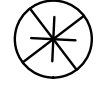
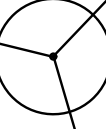

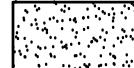
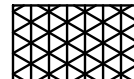
SHT. 66  
OF 79  
CITY PROJECT #:  
36219







# PLANTING SCHEDULE

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
<u>STREET TREES</u>			
	7	Acer Griseum/ PAPERBARK MAPLE	2" CAL; B&B/FABRIC BAG; FULL & WELL BRANCHED; STRAIGHT SYMMETRICAL BRANCHING HABIT, MIN 6' BRANCH HT
<u>SMALL TREES</u>			
	3	Acer Circinatum/ VINE MAPLE	#5 CONT; FULL & WELL BRANCHED; SYMMETRICAL BRANCHING HABIT; MULTI-STEM FORM WITH 3 MAIN TRUNKS
<u>SHRUBS</u>			
	20	Cistus x hybridus/ WHITE ROCKROSE	#1 CONT; FULL, WELL BRANCHED & WELL ROOTED
	5	Rosmarinus officinalis 'Salem'/ SALEM ROSEMARY	↓
<u>GROUND COVER</u>			
	36	Teucrium chamaedrys/ WALL GERMANDER	#1 CONT; FULL, & WELL ROOTED
	2,964 SY	SEEDED LAWN	SEE SPECS
	203 CY	MULCH (3" DEPTH)	SEE SPECS

# PLANTING ABBREVIATIONS

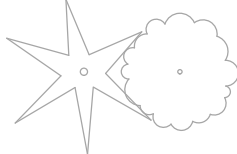
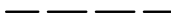
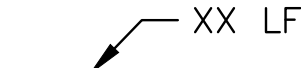
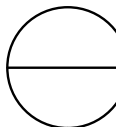
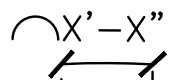
#/NO	NUMBER	CY	CUBIC YARD	MIN	MINIMUM	SY	SQUARE YARD
%	PERCENT	DIA	DIAMETER	POB	POINT OF BEGINNING	SYM	SYMBOL
&	AND	DWG(S)	DRAWING(S)	QTY	QUANTITY	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
@	AT	ENG	ENGINEER	R	RIGHT		CONTROL
∅	DIAMETER	EQ	EQUAL	ROW	RIGHT OF WAY		THICK
ABBV	ABBREVIATIONS	EX	EXISTING	SCH	SCHEDULE	THK	TYPICAL
B&B	BALLED AND BURLAPPED	GAL	GALLON	SPECS	SPECIFICATIONS	TYP	WITH
CAL	CALIPER	HT	HEIGHT	SS	STAINLESS STEEL	W/	WASHINGTON
CL	CENTER LINE	L	LEFT	STA	STATION	WSDOT	DEPARTMENT OF
CONT	CONTAINER	MFRS	MANUFACTURER'S	STD	STANDARD		TRANSPORTATION
		MAX	MAXIMUM	STL	STEEL		

# PLANTING NOTES

- ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF ENG PRIOR TO PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- FIELD STAKE PLANTING LOCATIONS FOR ENG REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- LIMITS OF PLANTING EQUALS LIMITS OF DISTURBANCE, SEE SITE PREPARATION PLANS. MEET AND MATCH EX LANDSCAPE WITH A SMOOTH TRANSITION.
- WHERE PROPOSED PLANTING OR SEEDING IS TO OCCUR WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN, SOIL PREPARATION SHALL BE DONE BY HAND TOOLS ONLY TO AVOID DAMAGING EXISTING TREE ROOTS. PLANTING OF SHRUBS AND GROUND COVER SHALL ALSO AVOID DAMAGE TO EXISTING TREE ROOTS. SEE SPECIFICATIONS.
- WHERE EXISTING IRRIGATION SYSTEMS ARE ENCOUNTERED, AS NOTED ON THE PLANS, CONTRACTOR SHALL COMPLETELY RESTORE SYSTEMS TO PRE-CONSTRUCTION CONDITIONS TO PROVIDE COMPLETE HEAD-TO-HEAD COVERAGE OF PLANTING AREAS.
- ORIENTATION OF HATCHES MAY VARY FROM WHAT IS SHOWN ON THE SCHEDULE.
- TREE LOCATIONS SHOWN ON PLANTING PLANS ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY, THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO EDGE OF DRIVEWAY, FACE OF CURB OR INTERSECTION AND TO CENTER OF ALL OTHERS SHOWN MUST APPLY:
 

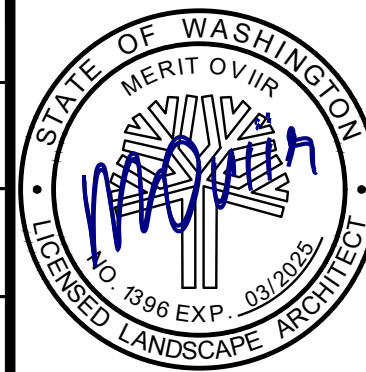
A. STREET LIGHTS	20'
B. DRIVEWAYS	7.5'
C. INTERSECTIONS	30'
D. UNDERGROUND SEWER & WATER LINES	5'
E. UNDERGROUND GAS LINES	5'
F. UNDERGROUND HIGH PRESSURE GAS LINES	5'
G. UTILITY/POWER POLES	10'
H. OTHER TREES	20'
I. FACE OF CURB	3.5'

# LEGEND

	EXISTING TREES
	RIGHT-OF-WAY
	ROOT BARRIER WITH LENGTH, SEE SPECS
	DETAIL IDENTIFICATION SHEET IDENTIFICATION
	DIMENSION ALONG ARCH



DRAFTED: A. PARKER  
DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING SCHEDULE, LEGEND, ABBV, & NOTES**

LS01

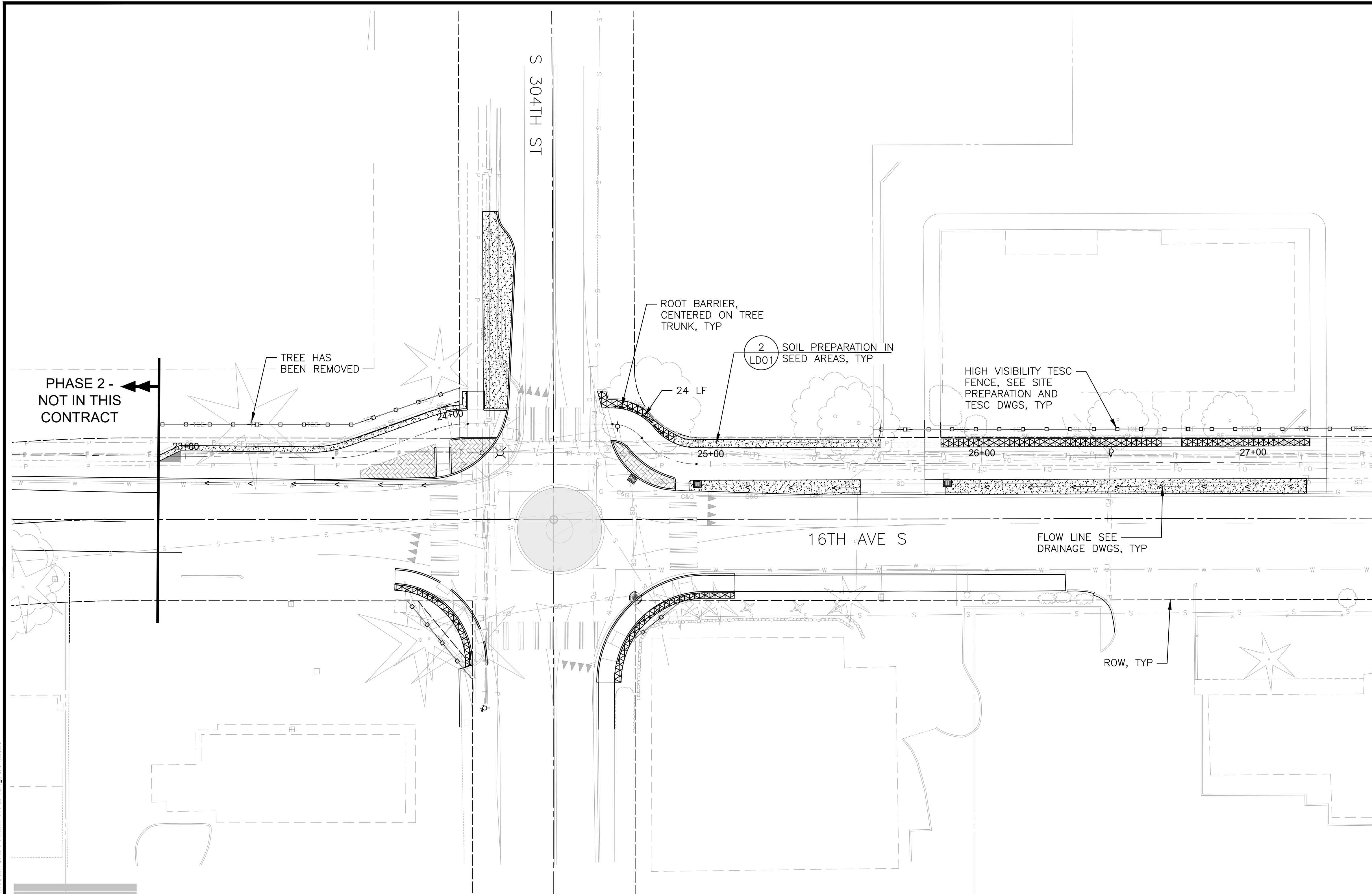
SHT. 68  
OF 79

CITY PROJECT #:  
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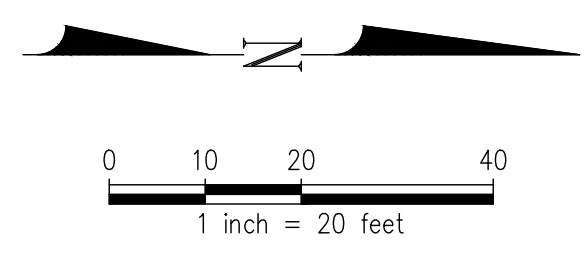


**GENERAL NOTES**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.
2. CONTRACTOR TO RESTORE EXISTING IRRIGATION ADJACENT TO FEDERAL WAY HIGH SCHOOL ON THIS SHEET TO MATCH PRE-CONSTRUCTION CONDITIONS, SEE NOTE 7 ON LS01.



SEE DWG. LP02  
MATCHLINE: STA 27+45.00



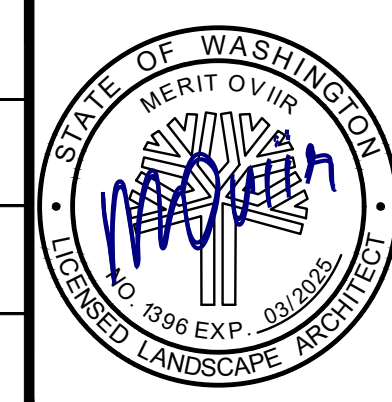
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**LP01**

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DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING PLAN**

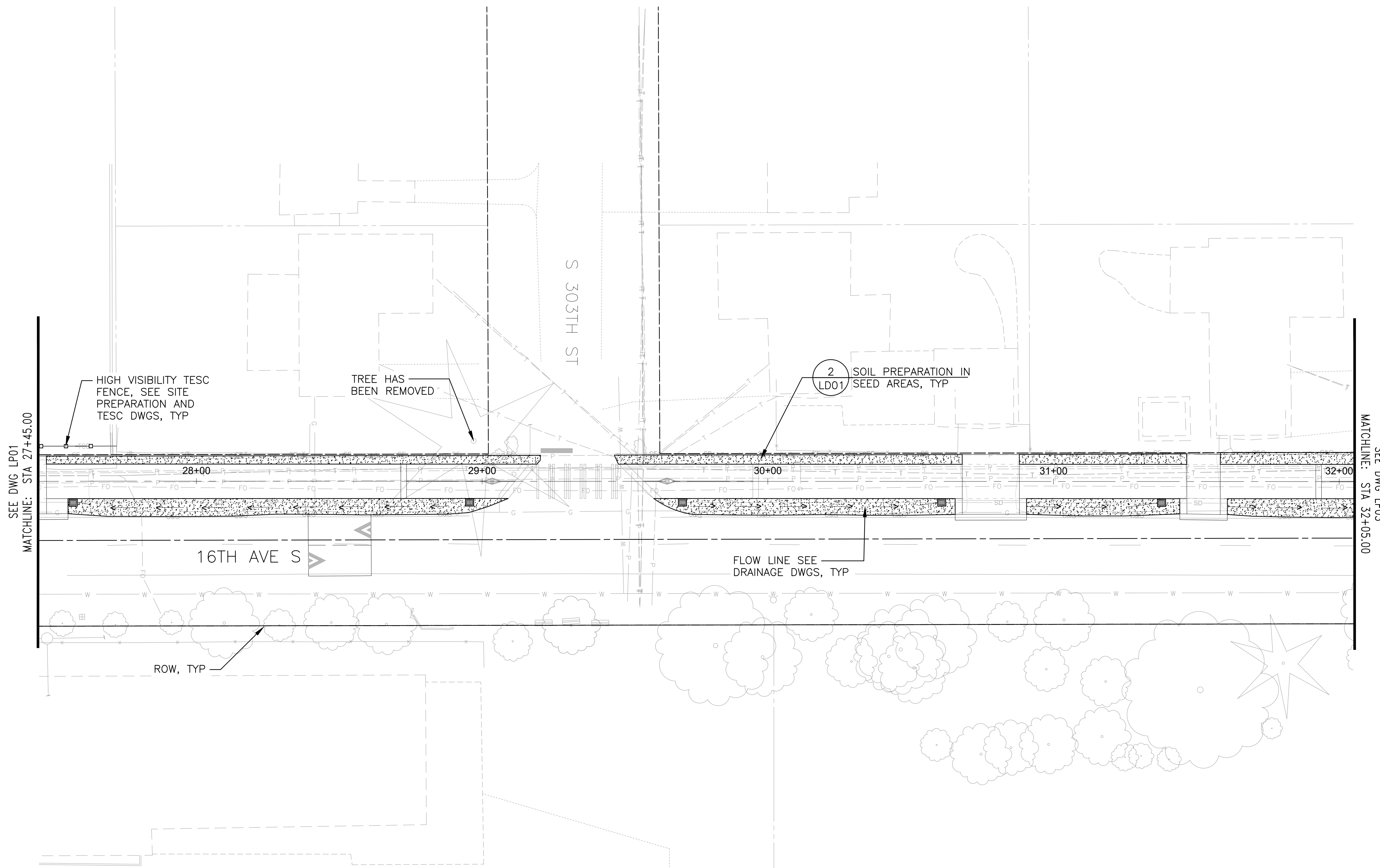
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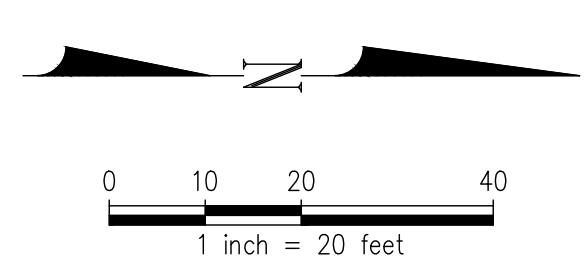
**GENERAL NOTE**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.



SEE DWG LP01  
MATCHLINE: STA 27+45.00

SEE DWG LP03  
MATCHLINE: STA 32+05.00



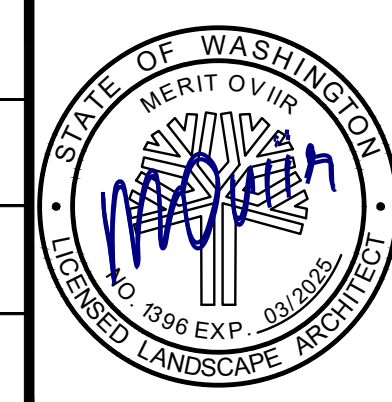
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DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING PLAN**

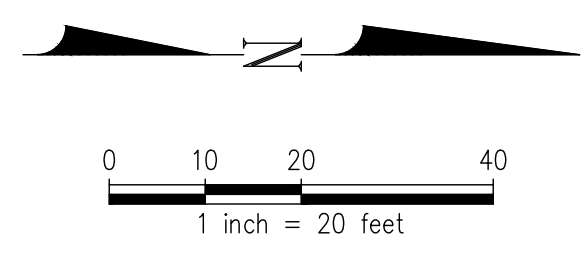
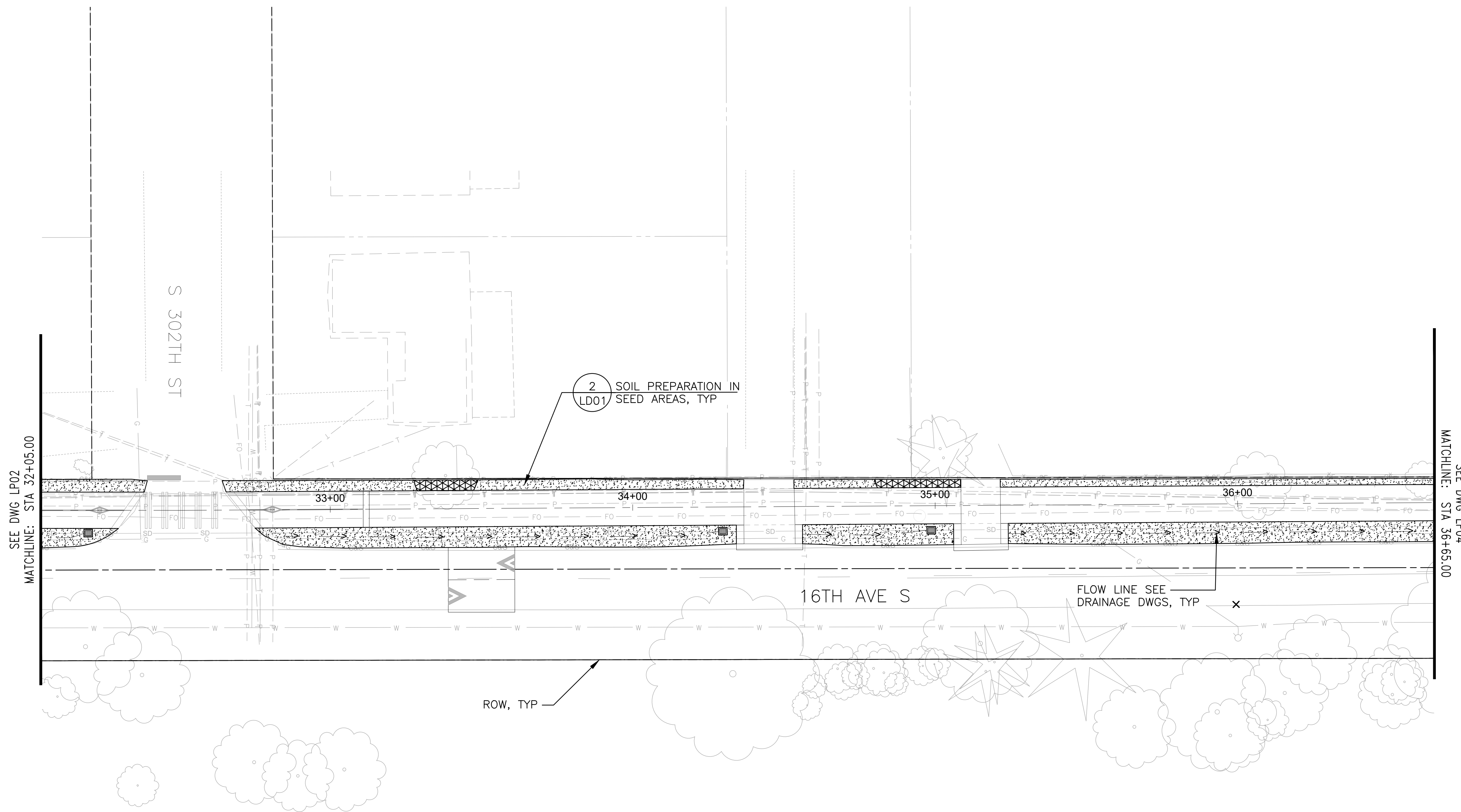
SHT. 70  
OF 79  
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**GENERAL NOTE**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.



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**HBB**  
LANDSCAPE ARCHITECTURE

**811** Call 811  
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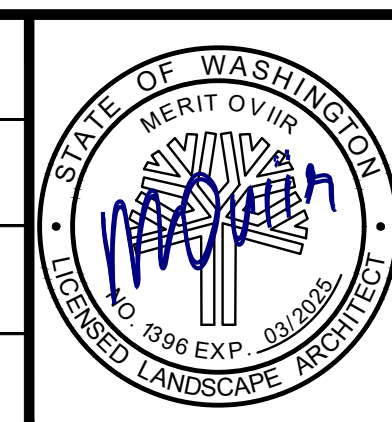
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DESIGNED:	A. LUOMA
REVIEWED:	J. VONG
APPROVED:	M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING PLAN**

**LP03**

SHT. 71  
OF 79

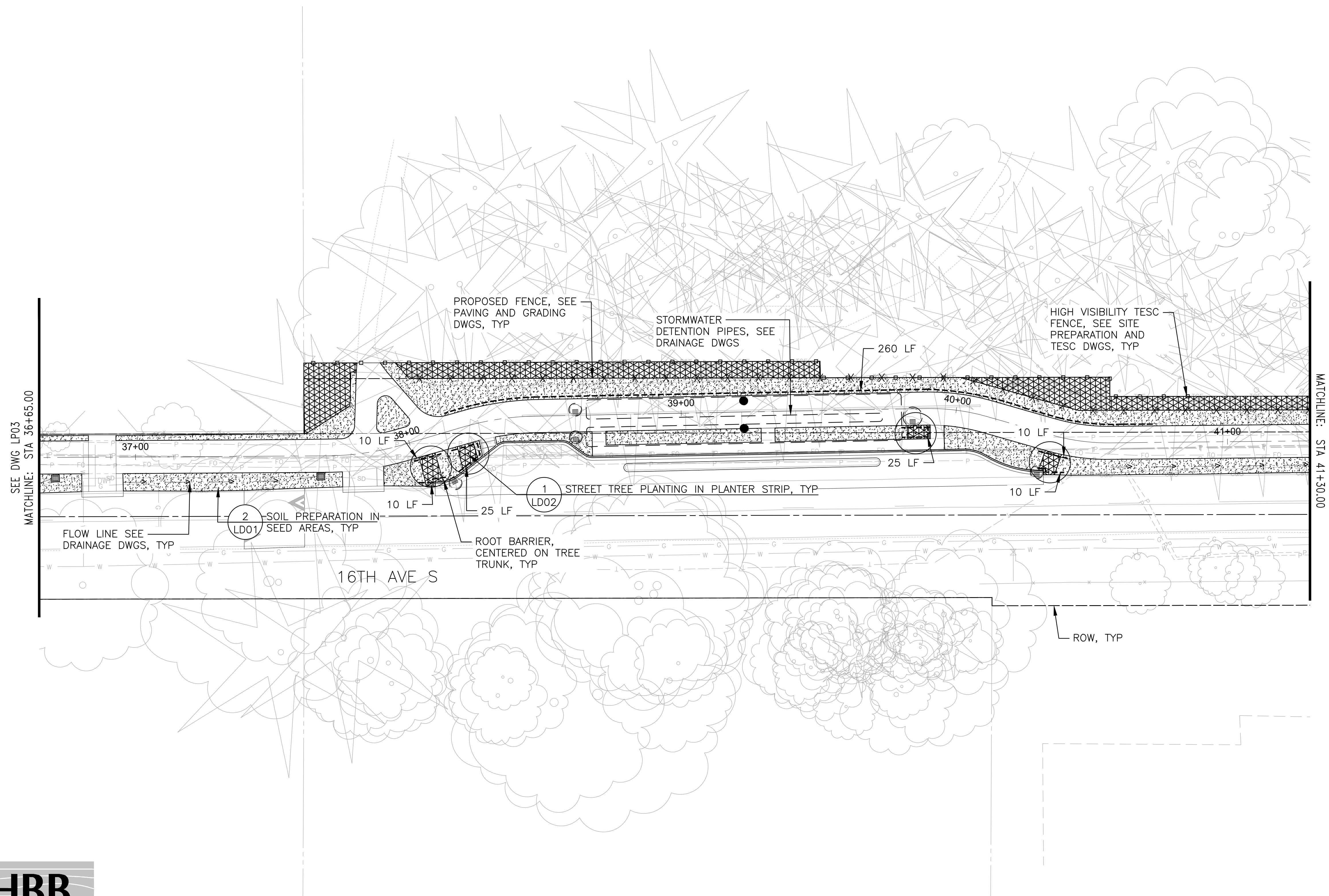
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\*\*\* Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com \*\*\*



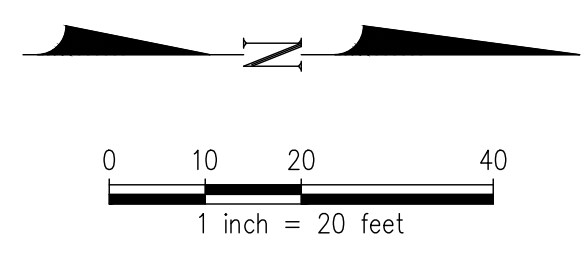
**GENERAL NOTE**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.



SEE DWG LP03  
MATCHLINE: STA 36+65.00

SEE DWG LP05  
MATCHLINE: STA 41+30.00



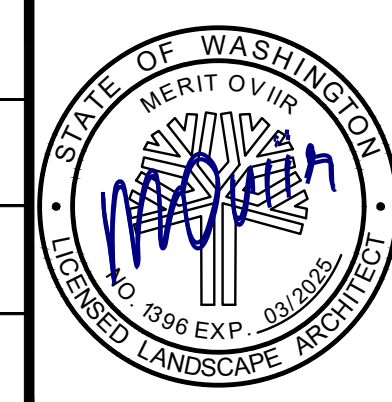
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REVIEWED: J. VONG  
APPROVED: M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING PLAN**

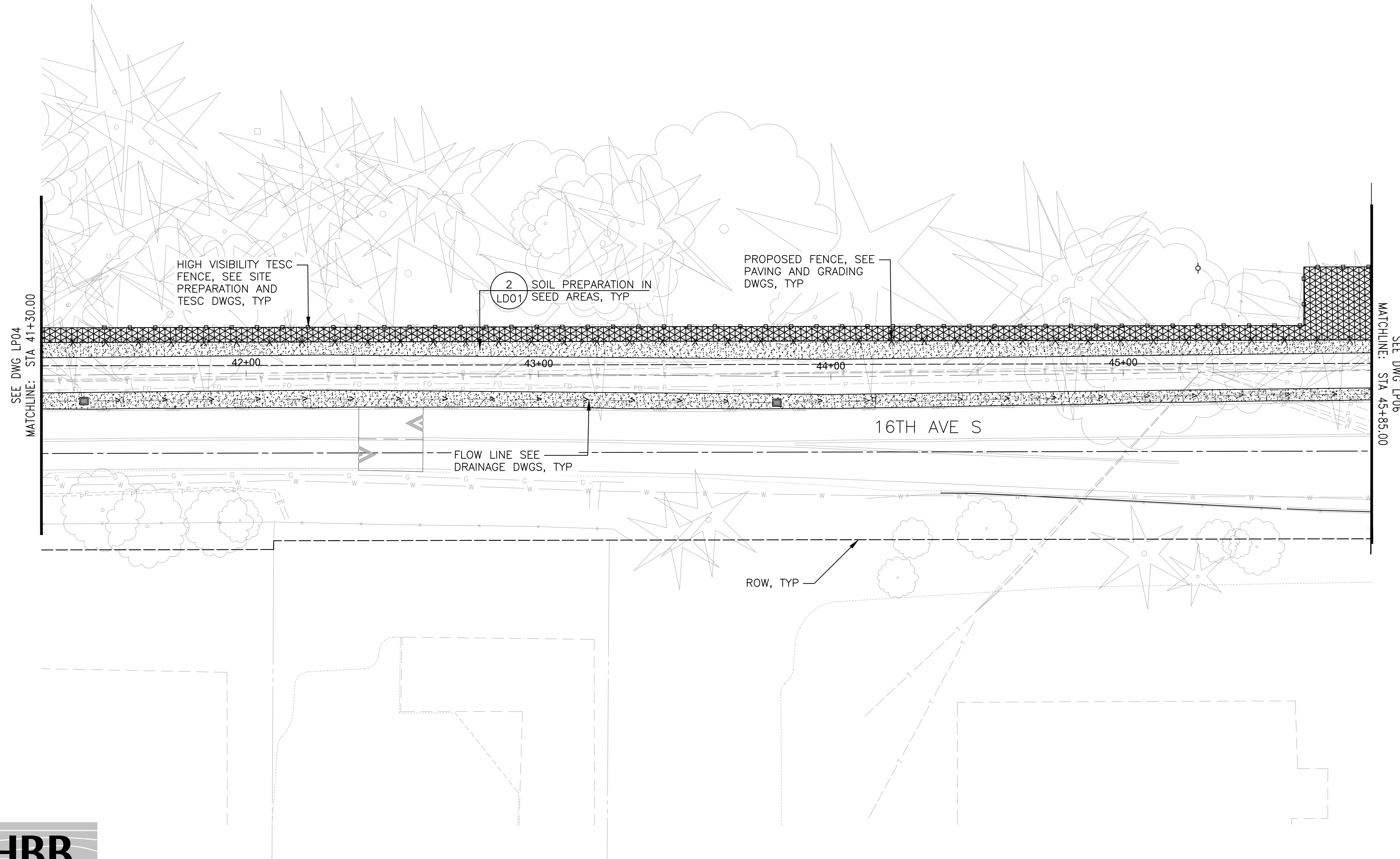
SHT. 72  
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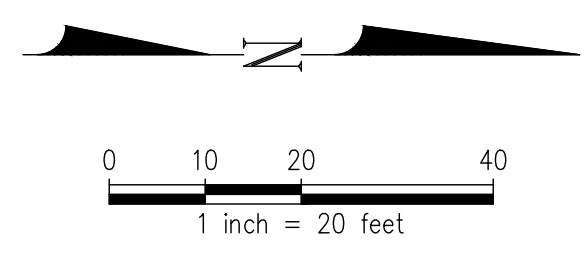
**GENERAL NOTE**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.



**HBB**  
LANDSCAPE ARCHITECTURE

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LP05

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REVIEWED: J. VONG							
APPROVED: M. OVIIR							

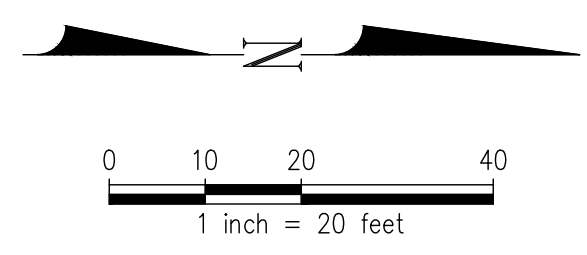
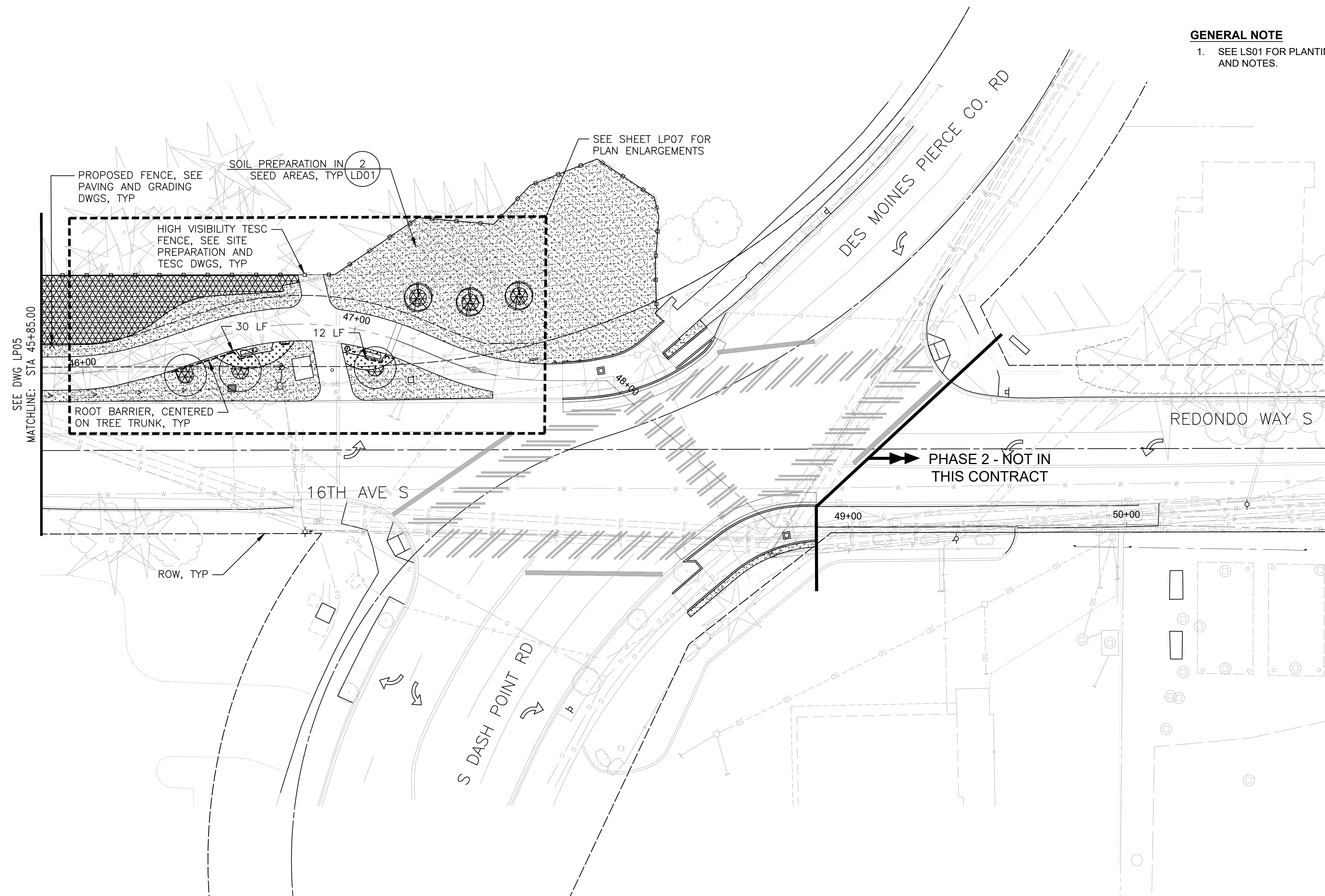
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**GENERAL NOTE**

1. SEE LS01 FOR PLANTING SCHEDULE, LEGEND, ABBREVIATIONS, AND NOTES.



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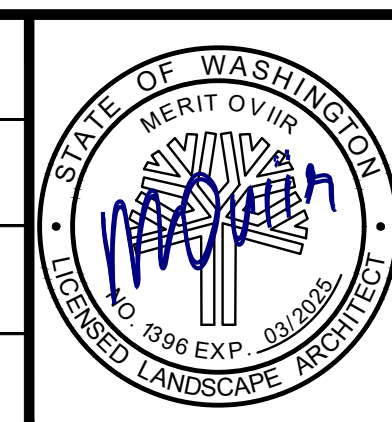
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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING PLAN**

**LP06**

SHT. 74  
OF 79

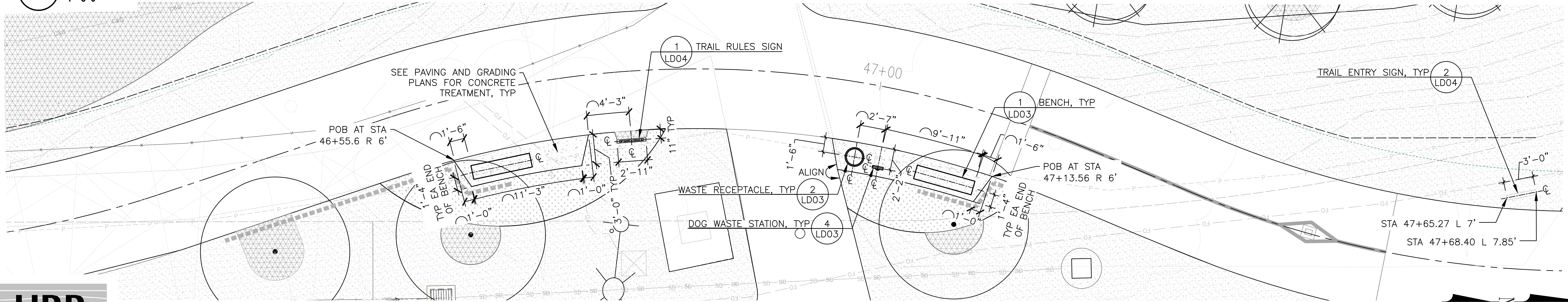
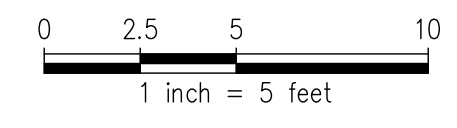
CITY PROJECT #:  
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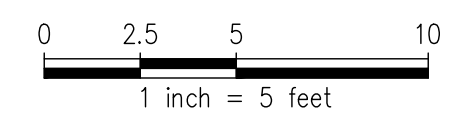




**1 PLANTING ENLARGEMENT**  
1"=5'-0"



**2 URBAN DESIGN ENLARGEMENT**  
1"=5'-0"



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LP07

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DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



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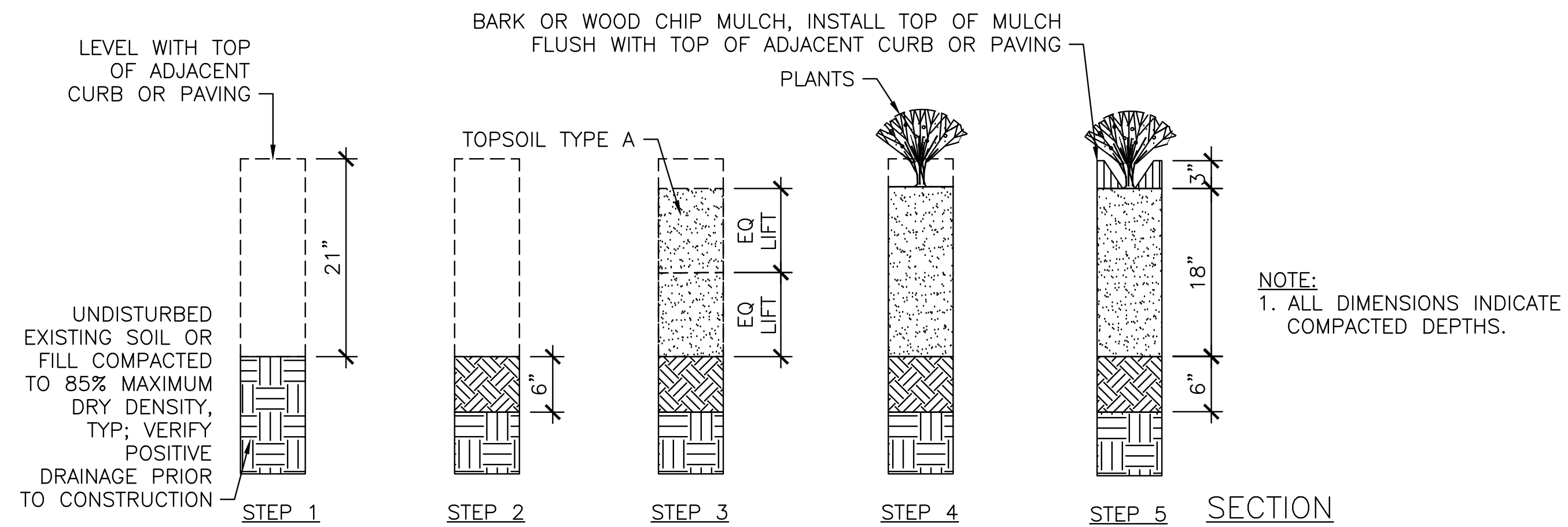
**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING ENLARGEMENTS**

SHT. 75  
OF 79  
CITY PROJECT #:  
36219

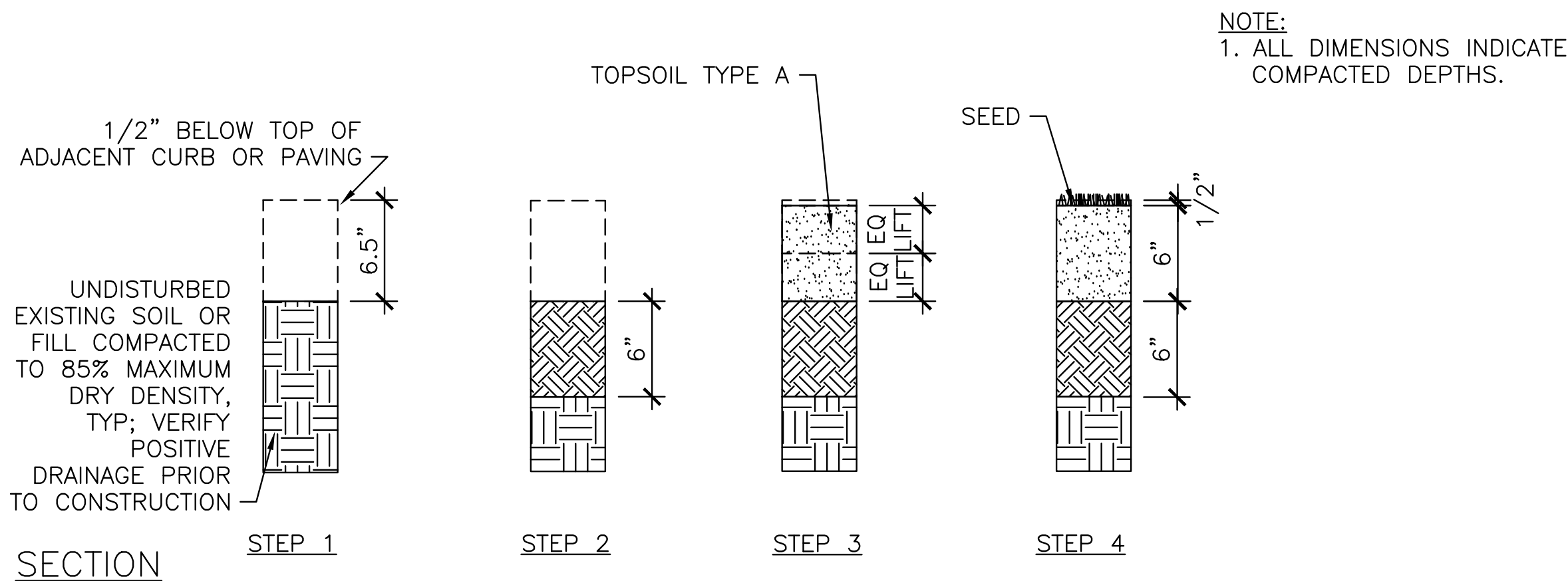
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- STEP 1**  
EXCAVATE EXISTING SOIL TO 21" DEPTH BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING SUBBASE MATERIAL. PROVIDE PERCOLATION TEST PER SPECS, PRIOR TO PROCEEDING TO STEP 2.
- STEP 2**  
THOROUGHLY SCARIFY SUBGRADE TO A MIN 6" DEPTH. ENG SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.
- STEP 3**  
INSTALL 18" DEPTH OF TOPSOIL TYPE A IN TWO EQUAL LIFTS. WATER SETTLE/COMPACT EACH LIFT PRIOR TO INSTALLING THE NEXT LIFT.
- STEP 4**  
INSTALL PLANTS.
- STEP 5**  
INSTALL 3" DEPTH BARK OR WOOD CHIP MULCH.

**1 SOIL PREPARATION IN SHRUB & GROUNDCOVER AREAS**  
NOT TO SCALE

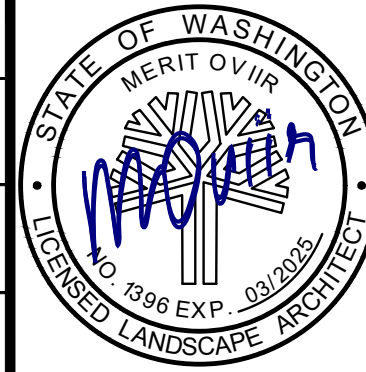


- STEP 1**  
EXCAVATE EXISTING SOIL TO 6.5" DEPTH BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING SUBBASE MATERIAL. PROVIDE PERCOLATION TEST, PER SPECS, PRIOR TO PROCEEDING TO STEP 2.
- STEP 2**  
SCARIFY SUBGRADE TO A MINIMUM 6" DEPTH. ENG SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.
- STEP 3**  
INSTALL 6" DEPTH OF TOPSOIL TYPE A. INSTALL IN TWO EQ LIFTS. WATER SETTLE/COMPACT EACH LIFT PRIOR TO INSTALLING THE NEXT LIFT.
- STEP 4**  
INSTALL SEED.

**2 SOIL PREPARATION IN SEED AREAS**  
NOT TO SCALE



DRAFTED: A. PARKER  
DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



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**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

**PLANTING DETAILS**

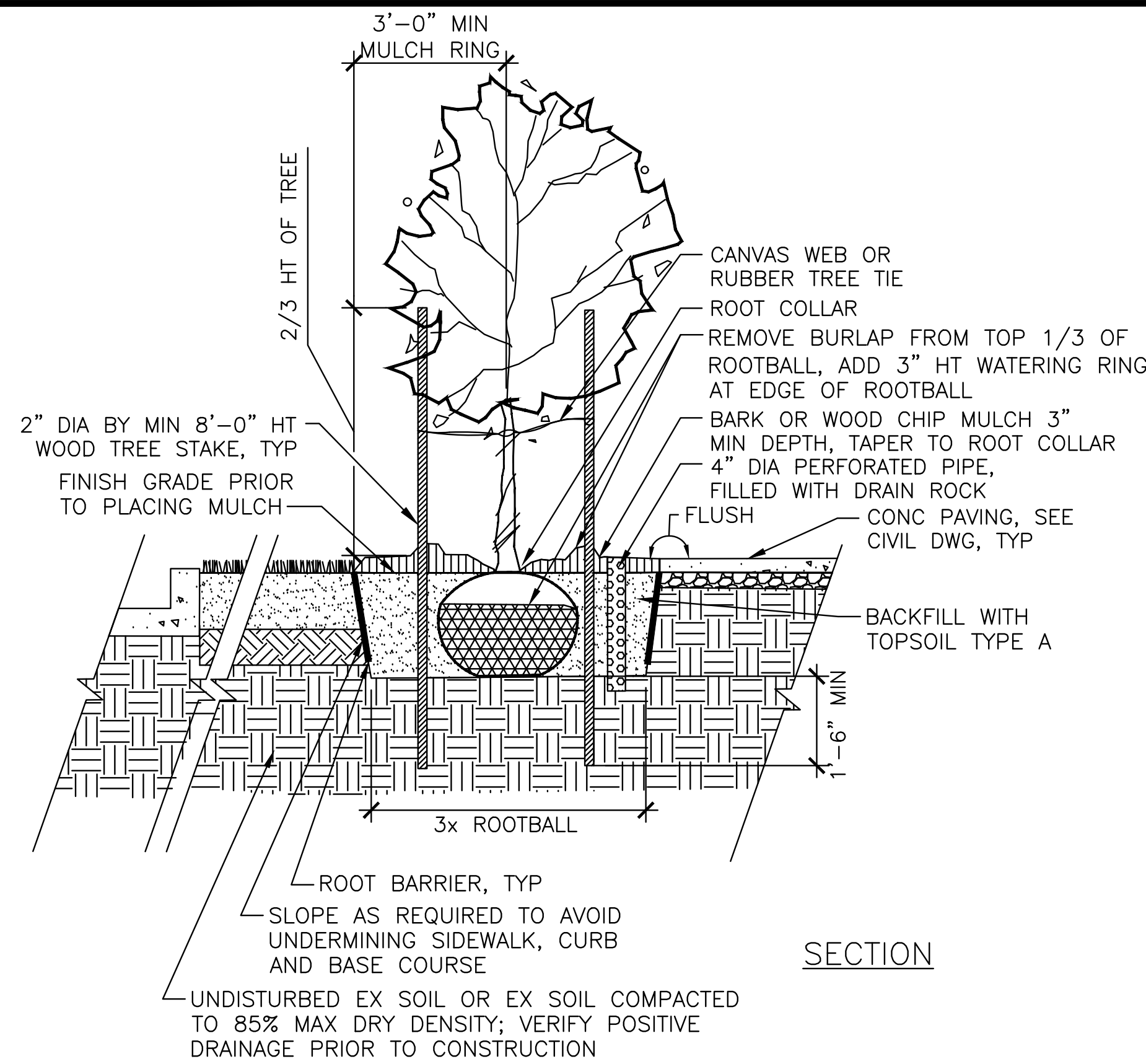
LD01

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CITY PROJECT #:  
36219

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**NOTES:**

1. STREET TREE PLANTING IN PLANTER STRIP DETAIL ADHERES TO FEDERAL WAY STANDARD DETAIL 3-29, "STREET TREE PLANTING IN PLANTER STRIP."
2. DIG HOLE 3 TIMES THE WIDTH OF THE ROOTBALL AND AS DEEP AS THE ROOTBALL. DO NOT MAKE HOLE DEEPER THAN THE ROOTBALL.
3. REMOVE CONTAINERS, BIODEGRADABLE POTS, SYNTHETIC OR TREATED BURLAP, WIRE, TWINE, OR ROPES. LOOSEN THE ROOTS AND SPREAD OR CUT CIRCLING ROOTS.
4. PLACE TOP OF ROOTBALL EVEN WITH OR SLIGHTLY HIGHER THAN SOIL GRADE IN FIRM SOIL.
5. INSTALL 4" DIA x 24" DEPTH PERFORATED DRAIN PIPE; FILL WITH DRAIN ROCK. PIPE SHALL NOT EXTEND MORE THAN 1/2" ABOVE FINISH GRADE.
6. BACKFILL WITH TOPSOIL TYPE A. FIRM SOIL AROUND THE ROOTBALL; WATER SLOWLY AND THOROUGHLY.
7. MULCH AROUND TREE WITH 3" DEPTH BARK OR WOOD CHIP MULCH. DO NOT PLACE MULCH NEXT TO TRUNK.

**ROOT BARRIER:**

1. ROOT BARRIER SHALL BE RIGID HIGH IMPACT POLYPROPYLENE TREATED WITH UV INHIBITORS, MINIMUM 18" HEIGHT, WITH 1/2" RAISED VERTICAL RIBS 6" ON CENTER, OR APPROVED EQUAL.
2. INSTALL ROOT BARRIER IN, CENTERED ON TREE, WHERE SHOWN ON PLANS AND ACCORDING TO MANUFACTURER'S DIRECTIONS. EXPOSED EDGE SHALL NOT EXTEND MORE THAN 1/2" ABOVE FINISHED GRADE PRIOR TO PLACING MULCH.

**STAKING:**

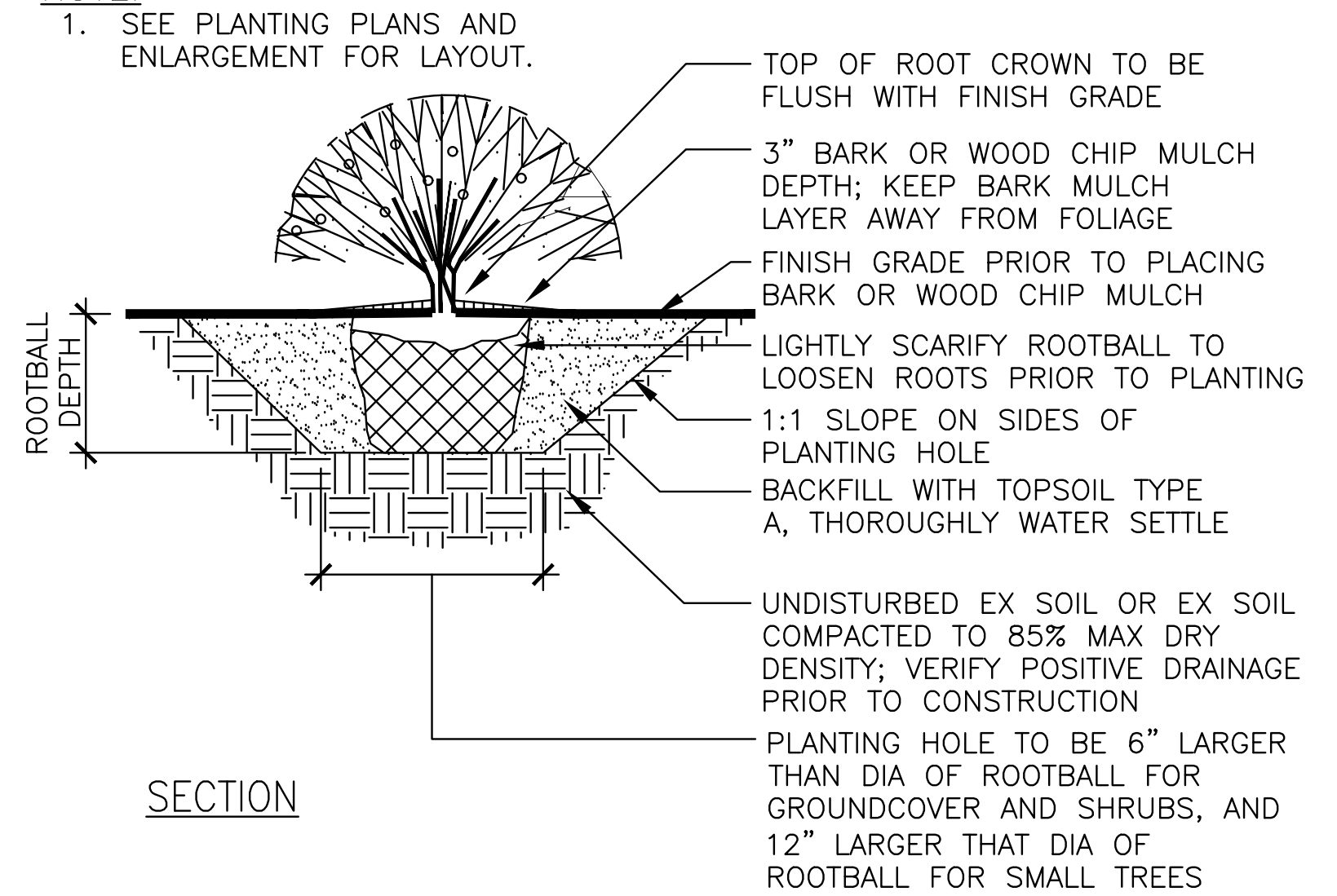
1. USE (2) 2"x2" BY MIN 8' LONG WOOD TREE STAKES. DO NOT DRIVE STAKE THROUGH ROOT BALL.
2. ATTACH TREE TO STAKE WITH CANVAS WEB BELTING OR RUBBER.

**TAGS:**

1. REMOVE TAGS AFTER INSPECTION.

SECTION

**NOTE:**



SECTION

**1 STREET TREE PLANTING IN PLANTER STRIP**

NOT TO SCALE

**2 SMALL TREE, SHRUB & GROUND COVER PLANTING**

NOT TO SCALE

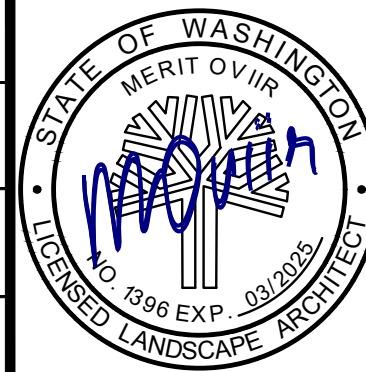
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**811** Call 811  
two business days  
before you dig



DRAFTED: A. PARKER  
DESIGNED: A. LUOMA  
REVIEWED: J. VONG  
APPROVED: M. OVIIR



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)

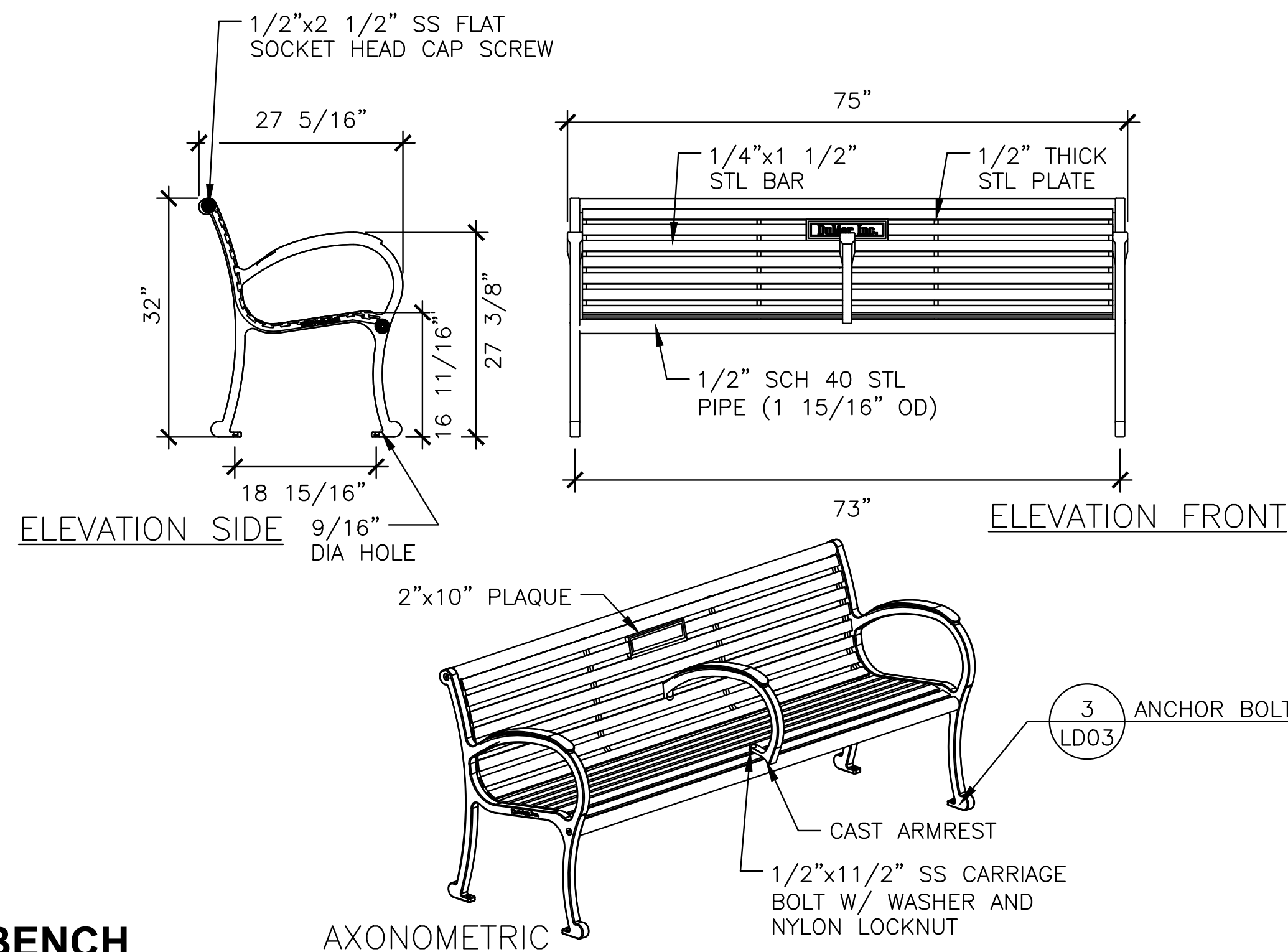
**PLANTING DETAILS**

LD02

SHT. 77  
OF 79

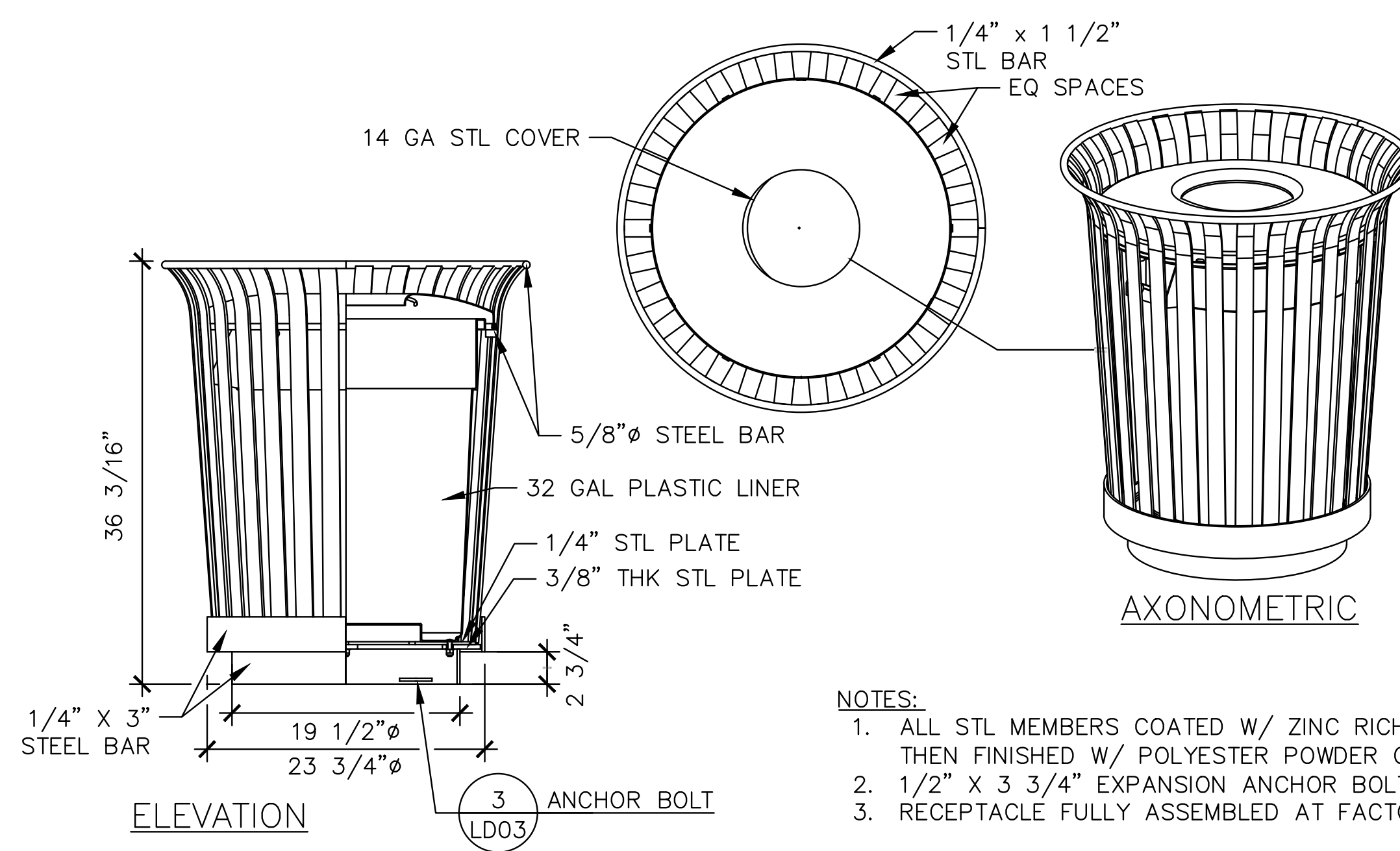
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36219



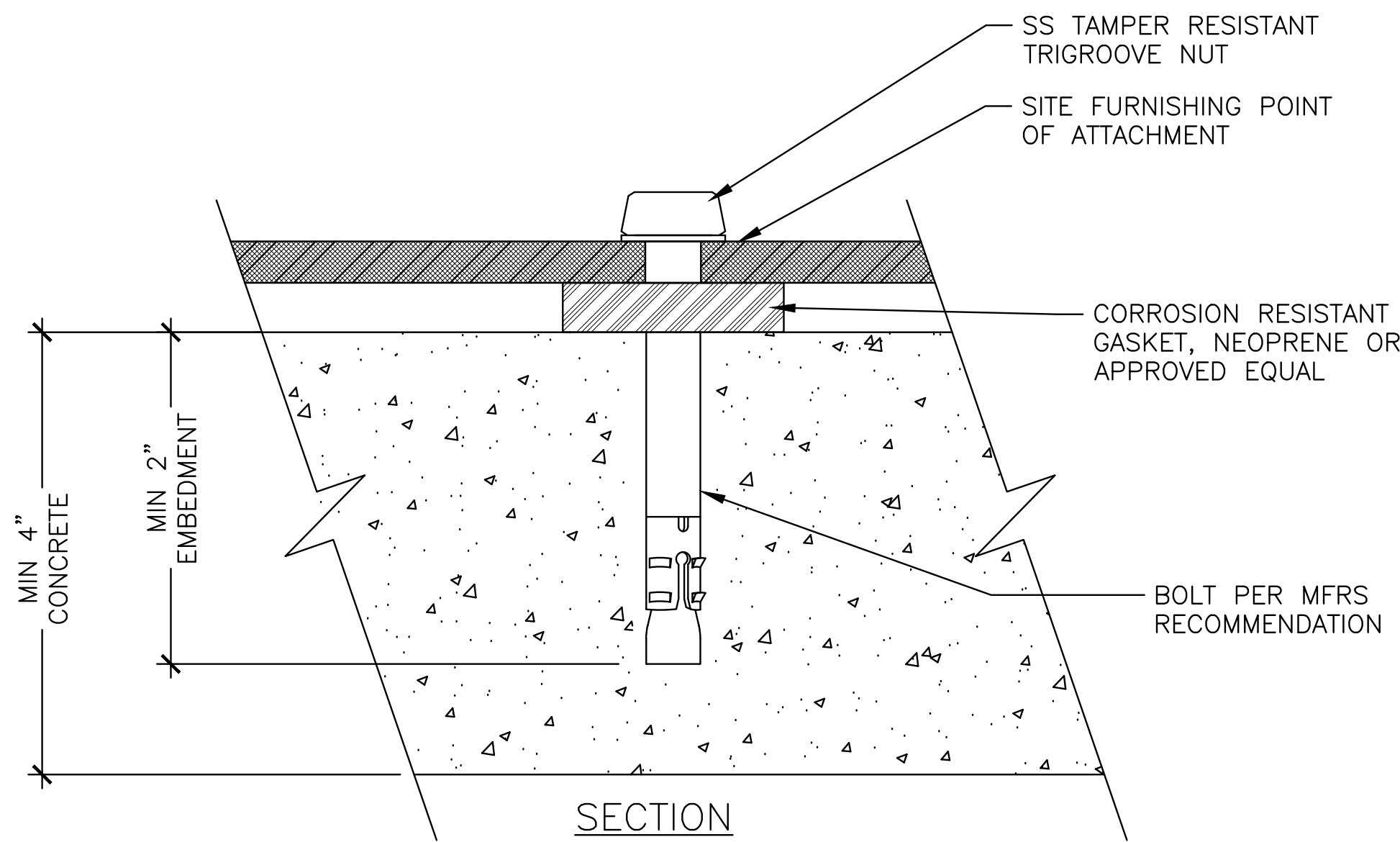


**1 BENCH**  
NOT TO SCALE

AXONOMETRIC

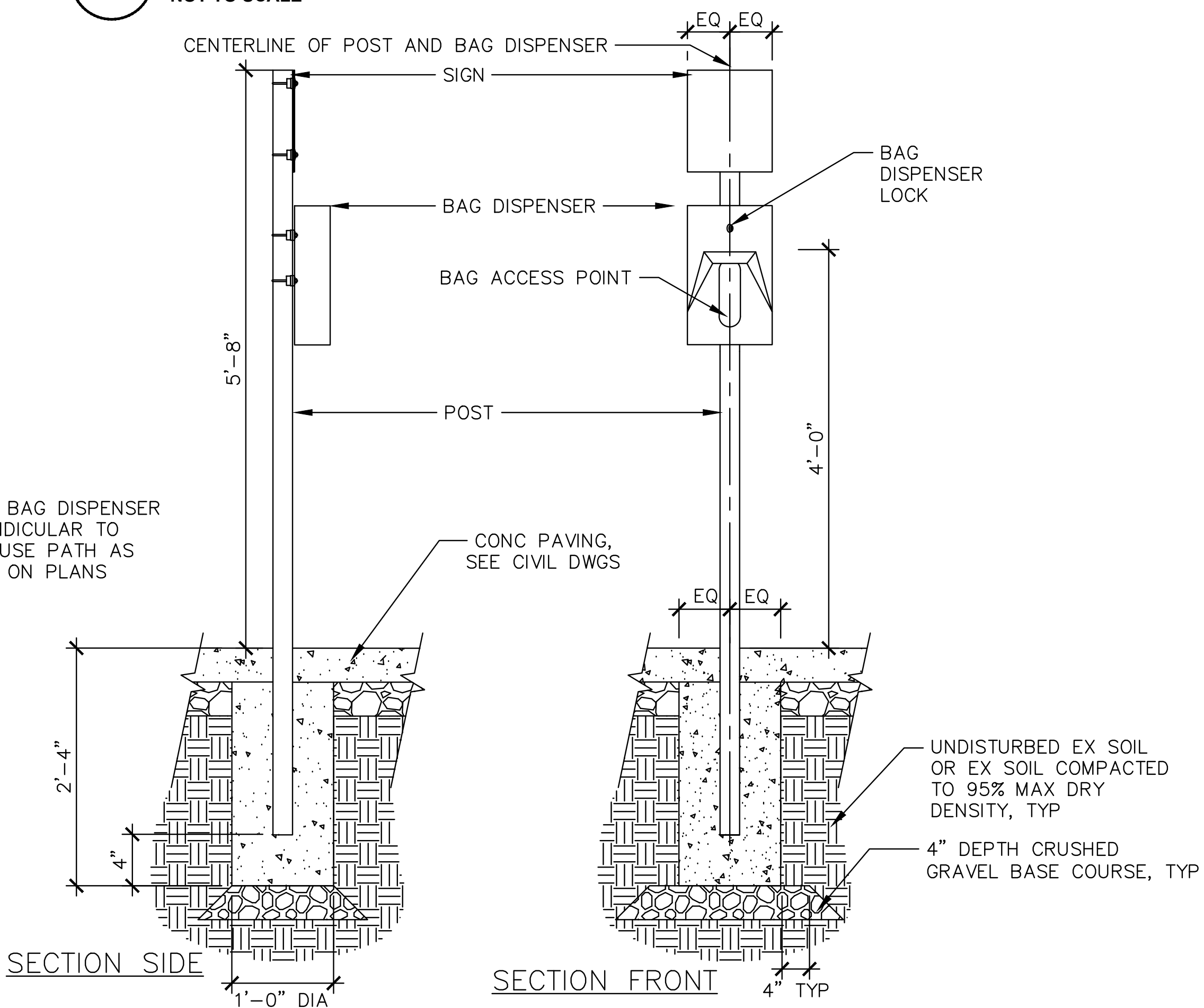


**2 WASTE RECEPTACLE**  
NOT TO SCALE



**3 ANCHOR BOLT**  
NOT TO SCALE

NOTE:  
1. ORIENT BAG DISPENSER PERPENDICULAR TO MULTI-USE PATH AS SHOWN ON PLANS



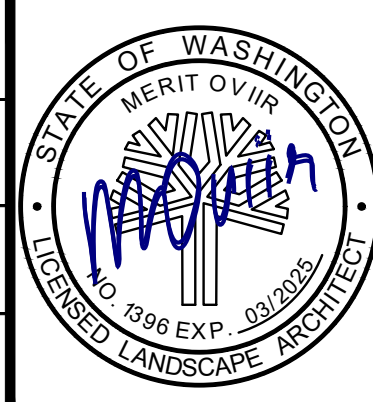
**4 DOG WASTE STATION**  
NOT TO SCALE

**HBB**  
LANDSCAPE ARCHITECTURE  
811 Call 811  
two business days  
before you dig

**CITY OF Federal Way**  
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NO.	DATE	REVISION

**PACIFIC HWY S NON-MOTORIZED CORRIDOR**  
PHASE 1 - 16TH AVE S (S 304TH ST TO S DASH POINT RD)  
**URBAN DESIGN DETAILS**

**LD03**  
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36219

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