



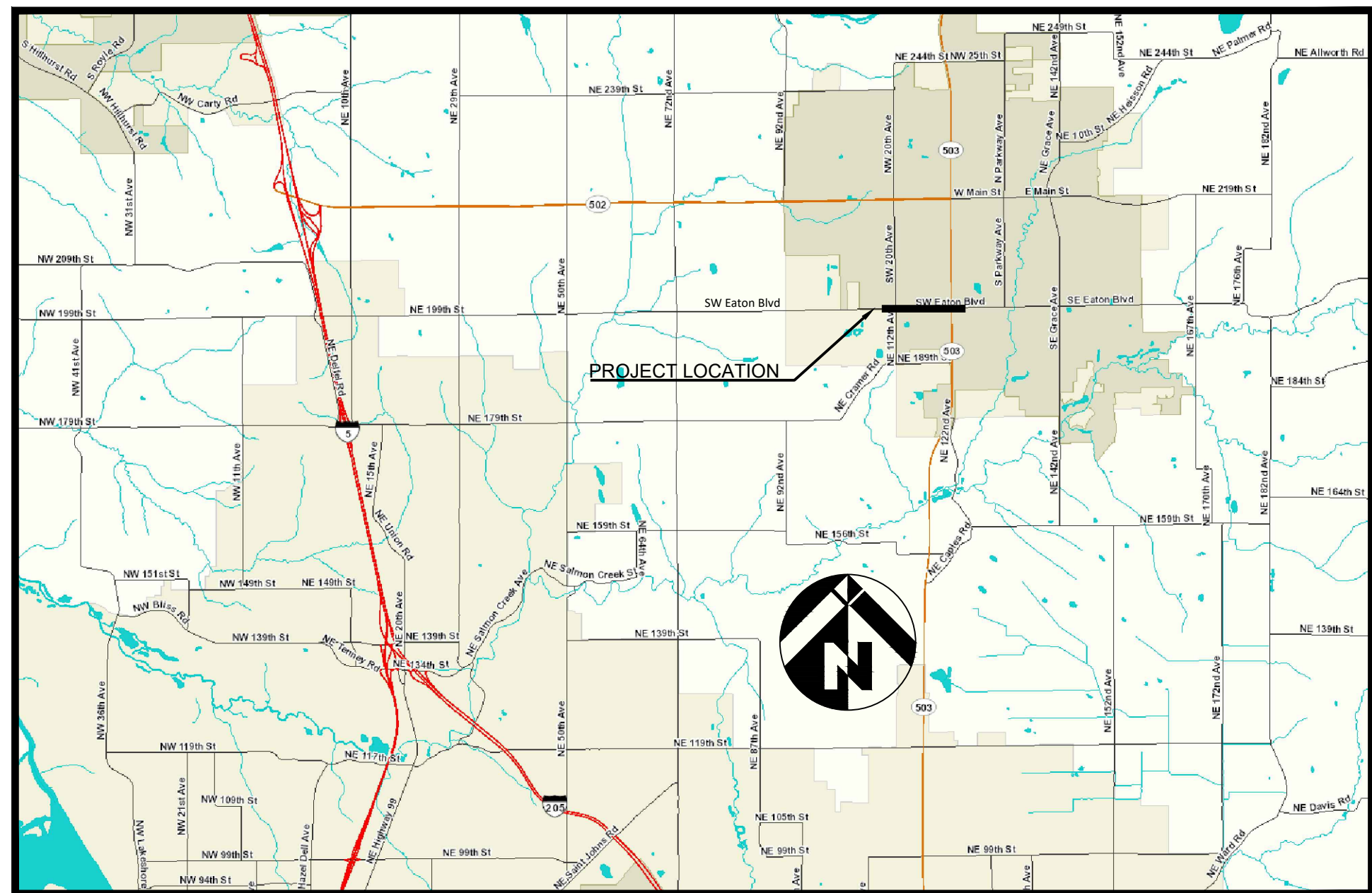
CITY OF BATTLE GROUND
CLARK COUNTY, WASHINGTON

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO STATE ROUTE 503 (MP 7.00 TO 7.20)

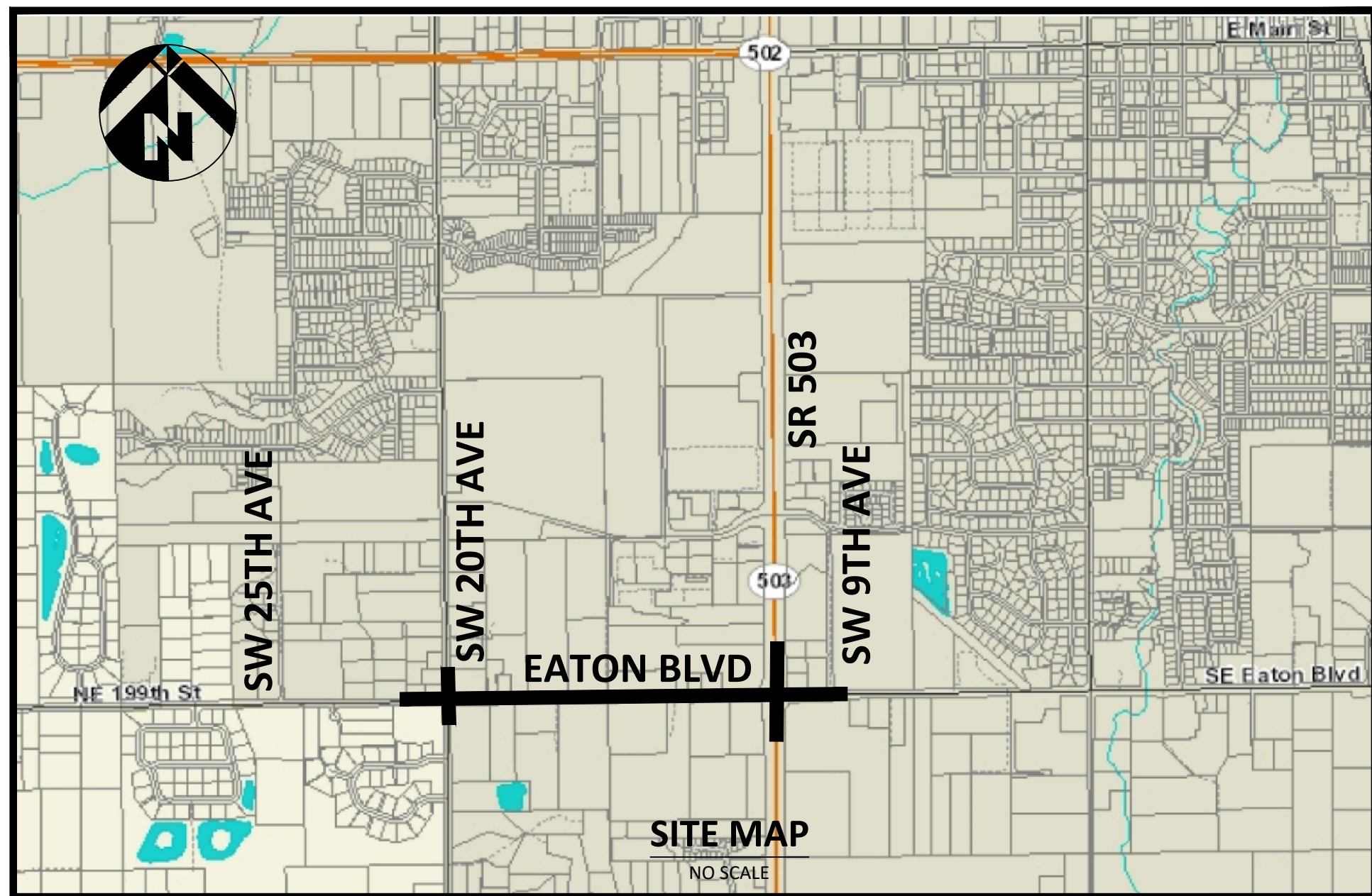
Will need site specific Traffic Control Plans for work impaction SR 503

60% SUBMITTAL

DECEMBER 2021



VICINITY MAP
NO SCALE



SITE MAP
NO SCALE

GENERAL INDEX OF SHEETS		
NO.	SHT. TITLE	DESCRIPTION
1	G01	COVER SHEET
2	G02	LEGEND
3	G03	INDEX SHEET
4	G04	GENERAL NOTES
5-8	G05 - G08	TYPICAL SECTIONS
XX-XX	V01 - V08	EXISTING CONDITIONS
XX-XX	RW01 - RW08	RIGHT OF WAY PLAN
XX-XX	DM01 - DM10	DEMOLITION PLAN
XX-XX	EC01 - EC0X	EROSION CONTROL PLAN AND DETAILS (CITY) *
XX-XX	C01 - C19	STREET AND STORM PLAN AND PROFILE
XX	C20-C22	STORM POND PLAN
XX	N01	INTERSECTION CURB RAMP GRADING PLAN
XX-XX	D01-DXX	STREET DETAILS
XX	DXX	STORM DETAILS
XX-XX	UTXX - UTXX	SAN SEWER AND WATER PLANS & PROFILE (CITY) *
XX	UTXX	SANITARY SEWER DETAILS
XX	UTXX	WATER DETAILS
XX	IL01	ILLUMINATION PLAN
XX	ILXX	ILLUMINATION DETAILS
XX	TS01	TRAFFIC SIGNAL/INTERCONNECT PLANS
XX	TSXX	TRAFFIC SIGNAL/INTERCONNECT DETAILS
XX-XX	SS01 - SS10	SIGNING AND STRIPING PLAN
XX-XX	SS11 - SS16	SIGNING AND STRIPING DETAILS
XX-XX	L01 - L0X	LANDSCAPING/IRRIGATION PLAN (CITY) *
XX-XX	LXX-LXX	LANDSCAPING/IRRIGATION DETAILS

*(CITY - TO BE PROVIDED AT 90%)

What about WSDOT?

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_G01_COVER.DWG



VERTICAL DATUM

THE ELEVATIONS SHOWN ON THIS MAP ARE
NAVD88 DATUM.
BASAD ON AN OPUS SOLUTION FOR MSI POINT
10. ELEVATION - 289.50'

HORIZONTAL DATUM

NAD83 WASHINGTON STATE PLANES,
SOUTH ZONE, US FOOT

DESIGN CRITERIA

SW EATON BOULEVARD DESIGN SPEED: 40 MPH
SW EATON BOULEVARD FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
SW 20TH AVENUE DESIGN SPEED: 35 MPH
SW 20TH AVENUE FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
STATE ROUTE 503 DESIGN SPEED: 55 MPH
STATE ROUTE FUNCTIONAL CLASSIFICATION: URBAN OTHER FWY EXPWY STATE HIGHWAY
STATE ROUTE 503 NHS STATUS: MAINLINE (MP 1.02 TO MP 9.36)
STATE ROUTE 503 TERRAIN: FLAT
DESIGN VEHICLE: WB-67 AASHTO 2018
TOWNSHIP, RANGE, & SECTION: T3N R2E S3 & S10
PERCENT TRUCKS: 5.6%-5.9%

PROJECT ENGINEER

MacKay Sposito

1325 SE TECH CENTER DR., SUITE 140
VANCOUVER, WA 98683
TEL: (360) 450-5083
CONTACT: MAHSA ESHGHI, PE
E-MAIL: meshghi@mackaysposito.com

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

COVER SHEET

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: NTS
DESIGNED BY: CG/ME
DRAWN BY: CG/AS
CHECKED BY: ME/PH

60% SUBMITTAL

G01

NO. 1 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_G02_LEGEN.DWG

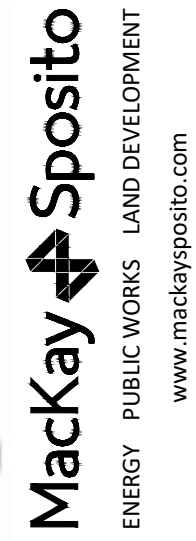
LINETYPES			SYMBOLS											
EXISTING	PROPOSED	DESCRIPTION	EXIST	PROP	DESCRIPTION	EXIST	PROP	DESCRIPTION	EXIST	PROP	DESCRIPTION	EXIST	PROP	DESCRIPTION
REFERENCE LINETYPES			WATER			POWER			SURFACE / LANDSCAPING			SHADING / HATCHING		
		PROPERTY LINES			FIRE HYDRANT			POWER POLE			FLAG			
		EASEMENT			DOMESTIC WATER METER			GUY WIRE ANCHOR			GATE POST			AC PAVEMENT
		TEMPORARY CONSTRUCTION EASEMENT			COMMERCIAL WATER METER			ELECTRIC BOX			MAILBOX/CLUSTER UNIT			CONCRETE SIDEWALK
		SLOPE EASEMENT			DOUBLE CHECK VALVE			YARD LIGHT			SIGN			CRUSHED SURFACING
		DRAINAGE EASEMENT			BLOW-OFF			TRANSFORMER			CUT CATCH			RIPRAP
		WALL EASEMENT			AIR RELIEF VALVE			LUMINAIRE			FILL CATCH			LANDSCAPING
		PUBLIC SLOPE AND UTILITY EASEMENT			WATER VALVE						TURN DIRECTIONS			AC/INLAY
		RIGHT OF WAY			THRUST BLOCK	TELEPHONE					TREE (CONIFEROUS)			
		CENTER LINE			CROSS			TELEPHONE PEDESTAL			TREE (DECIDUOUS)			
		CENTER LINE STATION TEXT			TEE	GAS					TREE (ORNAMENTAL)			
					STRADDLE BLOCK			GAS VALVE			TREE (CLUMP)			
								GAS METER			TREE PROTECTION			
FEATURE LINETYPES			STORM SEWER			TRAFFIC			CONTOURS			KEY NOTES		
		CURB			STORM MANHOLE			TRAFFIC CONTROL POLE AND ARM			EXISTING GRADE CONTOUR (MINOR)			WATER NOTE
		CURB & GUTTER			STORM CLEANOUT			TRAFFIC SIGNAL CONTROL BOX			EXISTING GRADE CONTOUR (MAJOR)			SANITARY NOTE
		SIDEWALK			CATCH BASIN			TRAFFIC SIGNAL J- BOX (UG)			FINISHED GRADE CONTOUR (MINOR)			STREET, GRADING, EROSION NOTE
		PAVED ROAD			CONTECH SINGLE CARTRIDGE CATCH BASIN			TRAFFIC PEDESTRIAN SIGNAL			FINISHED GRADE CONTOUR (MAJOR)			STORM, DRY UTILITY, SITE, DEMOLITION NOTE
		GRAVEL ROAD			CURB INLET						GRADING CUT CATCH LINE			CURB RETURN, AS-BUILT NOTE
		DRIVE/PARKING			COMBINATION CURB INLET						GRADING FILL CATCH LINE			REVISION NOTE
		WOOD FENCE			SLANTED STORM INLET	TELEVISION			DEMOLITION					
		CHAIN LINK FENCE			AREA DRAIN			TV J-BOX			MAILBOX REMOVAL			
		MISC FENCE			STORM CULVERT (OUTLET)			TV SERVICE BOX			CATCH BASIN REMOVAL			
		TREELINE	SANITARY SEWER			EROSION CONTROL					TREE REMOVAL			
		BUILDINGS			SANITARY MANHOLE			TEMPORARY STORM INLET PROTECTION			STUMP GRIND OR CUT STRUCTURAL ROOTS BEFORE PULLING WITH EXCAVATOR			AC/SIDEWALK REMOVAL
		RETAINING WALL			SANITARY CLEANOUT			COMPOST FILTER BERM			AC/GRINDING			
		CLEARING AND GRUBBING			SANITARY STUB			DIRECTION OF FLOW						
		SAWCUT LINE	IRRIGATION											
		FLOWLINE			IRRIGATION CONTROL VALVE									
		SETBACK LINE			SPRINKLER VALVE									
		HINGE LINE			SPRINKLER CONTROL VALVE									
UTILITIES														
		WATER LINE												
		WATER SERVICE LINE												
		SANITARY SEWER MAIN												
		SANITARY SEWER LATERAL												
		PRESSURE SEWER												
		STORM SEWER MAIN												
		STORM SEWER LATERAL												
		IRRIGATION LINE												
		ELECTRIC (OH)												
		ELECTRIC (UG)												
		TELEPHONE												
		GAS												
		CABLE TV												
		COMMUNICATIONS												
		FIBER OPTIC CONDUIT												
		TRAFFIC SIGNAL CONDUIT												

How can you tell the difference in any of these

Add Wetlands

Clearing and grubbing limits

HMA



SHEET INDEX

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	N/A
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

G03

NO. 3 OF X

WSDOT Spec's

EROSION CONTROL

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING AND AFTER INSTALLATION OF ALL UTILITY WORK ASSOCIATED WITH UTILITY TRENCHES.
2. SEDIMENT CONTROL SHALL BE ESTABLISHED PRIOR TO THE COMMENCEMENT OF WORK AND MAINTAINED THROUGH THE LIFE OF THE PROJECT, AS CALLED OUT ON THE PLANS.
3. ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY A SUITABLE APPLICATION OF AN APPROPRIATE BEST MANAGEMENT PRACTICE (BMP). DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN SEVEN (7) DAYS.
4. PAVEMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE EXISTING STORM SYSTEM WILL NOT BE PERMITTED.
5. THE CONTRACTOR SHALL MAINTAIN ON-SITE A WRITTEN DAILY LOG OF EROSION CONTROL PRACTICE MAINTENANCE.
6. IF THE CITY INSPECTOR OR ENGINEER(S) HAS EVIDENCE OF POOR CONSTRUCTION PRACTICES OR EROSION CONTROL TECHNIQUES, CITATIONS AND/OR A STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY CITY OF BATTLE GROUND. IF THE BMP'S APPLIED TO A SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE CITY REPRESENTATIVE SHALL REQUIRE ADDITIONAL BMP'S.

this is constantly referred to differently

1. STORM SEWER IMPROVEMENTS SHALL CONFORM TO THE LATEST VERSION OF THE WSDOT SPECIFICATIONS AND THE CITY OF BATTLE GROUND GENERAL REQUIREMENTS.
2. THE CONTRACTOR SHALL MAINTAIN 6" MINIMUM VERTICAL AND 3' MINIMUM HORIZONTAL CLEARANCE (OUTSIDE SURFACES) BETWEEN STORM DRAIN PIPES AND OTHER UTILITY PIPES AND CONDUITS. FOR CROSSINGS OF SANITARY SEWER LINES, THE WASHINGTON DEPARTMENT OF ECOLOGY CRITERIA APPLY.
3. ALL CATCH BASINS SHALL BE LABELED WITH "PROTECT WATER*ONLY RAIN IN DRAIN" MEDALLIONS. MEDALLIONS SHALL BE AFFIXED TO DRY SURFACE WITH PERMANENT BONDING MARINE GRADE POLYURETHANE ADHESIVE SEALANT AND RIVETS.
4. STORM DRAIN PIPE, BENDS, AND FITTINGS SHALL BE PVC, ASTM D 3034, SDR 35, OR SMOOTH INTERIOR, HIGH DENSITY POLYETHYLENE CORRUGATED PIPE AASHTO M252 OR M294, TYPE S AS PRODUCED AND SPECIFIED BY ADS, PRODUCT NAME N12, OR APPROVED EQUAL. ALL STORM SEWER FITTINGS AND PIPE JOINTS SHALL BE GASKETED.
5. ALL STORMWATER FACILITIES SHALL BE PUBLICLY MAINTAINED BY THE CITY OF BATTLE GROUND.
6. ALL VAULT, UTILITY BOX, INLET, MANHOLE AND CLEANOUT RIMS SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ANY STORM SYSTEM PIPING TO EXISTING DRAINAGE APPURTENANCES TO REMAIN.

MONUMENT NOTE

1. IN ACCORDANCE WITH THE PROVISIONS OF WASHINGTON ADMINISTRATIVE CODE (WAC) CHAPTER 332-120 AND THE REVISED CODE OF WASHINGTON (RCW) TITLE 58; ANY MONUMENT WHICH CANNOT BE PROTECTED AND WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION, WILL BE REFERENCED BY A LICENSED SURVEYOR, AND APPLICATION FILED WITH WASHINGTON STATE DNR PER WAC 332-120-050 PRIOR TO THE MONUMENT BEING DISTURBED. CONTRACTOR SHALL NOTIFY THE CITY AND COPIES OF THE DNR APPLICATION SHALL BE GIVEN TO THE CITY ENGINEER. WHEN WORK IS COMPLETE IN THESE AREAS, THE CONTRACTOR'S CONSTRUCTION SURVEYOR SHALL VERIFY MONUMENTS SHOWN ON THE PLAN SET ARE STILL IN PLACE AND SUBMIT STAMPED AND SIGNED REPORT TO THE CITY DOCUMENTING THEIR CONDITION. ANY MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE CONTRACTOR'S SURVEYOR OR BY A SURVEYOR SELECTED BY THE CITY IN ACCORDANCE WITH SAID CHAPTER. NO PART OF THIS STATEMENT SHALL RELIEVE THE CONTRACTOR OR THEIR SURVEYOR OF ANY OTHER PROVISIONS OF THE WASHINGTON ADMINISTRATIVE CODE OR REVISED CODE OF WASHINGTON WITH REGARDS TO DUTIES AND RESPONSIBILITIES RELATED TO SURVEY MONUMENTATION AND ITS PRESERVATION OR REPLACEMENT.
2. CONTRACTOR SHALL COORDINATE ADJUSTMENT TO EXISTING MONUMENTS WITH CITY OF BATTLE GROUND.

FOLIAGE WITHIN SIGHT DISTANCE

1. ALL SHRUBS WITHIN SIGHT DISTANCE TRIANGLES SHALL BE MAINTAINED SO THAT FOLIAGE HEIGHT ABOVE PAVEMENT DOES NOT EXCEED 2.5 FEET. STREET TREES WITHIN SIGHT DISTANCE TRIANGLES SHALL BE LIMBED UP TO A HEIGHT OF 10 FEET CONSISTENT WITH ANSI A300 STANDARDS TO PROVIDE FOR SIGHT DISTANCE VISIBILITY.

STANDARD DETAIL STATEMENT

1. ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION FOR WATER, SEWER, STORM WATER FACILITIES, AND EROSION CONTROL MEASURES, SHALL CONFORM TO CITY OF BATTLE GROUND "ENGINEERING DIVISIONS STANDARD DETAILS & CONSTRUCTION REQUIREMENTS FOR EROSION CONTROL, SANITARY SEWER, STORMWATER, TRANSPORTATION, AND WATER." CONSTRUCTION SHALL BE AS PER THE MOST CURRENT STANDARD DETAIL CONTAINED THEREIN.

Current WSDOT Standard
Plans will govern all work with
the SR 503 Right of way.

Not a correct statement for within WSDOT right of way

GENERAL NOTES:

1. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE LATEST STANDARDS AND PRACTICE OF THE CITY OF BATTLE GROUND AND THE 2022 EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PREPARED BY WSDOT AND APWA.
2. ALL STREET SIGNS AND STRIPING SHALL BE INSTALLED PER THE MUTCD.
3. PAVING WILL NOT BE ALLOWED DURING WET OR COLD WEATHER, PER WSDOT SPECIFICATIONS.
4. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS WILL REQUIRE A REQUEST FROM THE APPLICANT'S ENGINEER AND APPROVAL FROM THE CITY'S ENGINEER AND CITY INSPECTOR.
5. ALL PAVEMENT SHALL BE STRAIGHT CUT PRIOR TO PAVING. EXISTING PAVEMENT SHALL BE REMOVE AS NECESSARY TO PROVIDE A SMOOTH TRANSITION FOR BOTH RIDE AND DRAINAGE.
6. SUBGRADE PREPARATION DURING WET OR WINTER TIME CONSTRUCTION IS USUALLY/OFTEN NOT FEASIBLE. A WET OR WINTER TIME PLAN SHALL BE SUBMITTED TO CITY OF BATTLE GROUND, ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL IF THE CONTRACTOR PLANS TO COMMENCE WITH CONSTRUCTION DURING WET WEATHER CONDITIONS. IF PAVING FROM OCTOBER 15TH TO MARCH 30TH, A WET WEATHER SUBGRADE PREPARATION PLAN IS REQUIRED. THE SUBGRADE MUST BE OVER EXCAVATED AND A GEOTEXTILE LINER USED. THE INSPECTOR SHALL APPROVE A COMPLETE PROOF ROLL TEST ON BOTH SIDES OF THE STREET.
7. ALL STAKING SHALL BE PER CONSTRUCTION CENTERLINE WHICH MIGHT BE DIFFERENT FROM THE RIGHT-OF-WAY CENTERLINE ON SOME ROAD SECTIONS.
8. EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON THE APPROXIMATE LOCATE MARKS AND THEIR LOCATIONS NEED TO BE VERIFIED PRIOR TO CONSTRUCTION. IT IS CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND VERIFY ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND ORDERING MATERIAL. CONTACT ENGINEER IF CONFLICT EXIST.

GRADING

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, AND OTHER UNACCEPTABLE MATERIAL OFF-SITE. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET LOCAL REGULATIONS.
2. ALL CONSTRUCTION WITHIN CITY OF BATTLE GROUND RIGHT -OF-WAY SHALL HAVE AN APPROVED TRAFFIC CONTROL PLAN AND RIGHT -OF-WAY PERMIT PRIOR TO ANY ON-SITE CONSTRUCTION.
3. SHOULD ANY ITEM OF ARCHAEOLOGICAL INTEREST (VMC 20.710.090) BE FOUND DURING DEVELOPMENT, YOU ARE REQUIRED TO STOP WORK AND CONTACT THE CITY OF BATTLE GROUND ENGINEERING DEPARTMENT (360)342-5070, AND THE WASHINGTON STATE OFFICE OF ARCHAEOLOGY AND HISTORIC PRESERVATION AT (360)756-4011 IMMEDIATELY. FAILURE TO DO SO COULD RESULT IN A FELONY CONVICTION.
4. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE FLAGGING, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES FOR SAFE TRUCK ACCESS ONTO PUBLIC STREETS. ALL SUCH DEVICES SHALL CONFORM TO THE STANDARDS ESTABLISHED IN THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE MODIFICATIONS TO THE MUTCD FOR STREETS AND HIGHWAYS FOR THE STATE OF WASHINGTON.
5. SEE GEOTECH REPORT FOR GRADING REQUIREMENTS.

This will be old by the time it goes to construction

PAVEMENT NOTE

1. SLURRY AND CUTTINGS SHALL BE VACUUMED DURING CUTTING AND SURFACE OPERATIONS.
2. COLLECTED SLURRY AND CUTTINGS SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
3. IF ANY FILL IS PROPOSED WITHIN CURRENT, OR FUTURE, RIGHT-OF-WAY THE CONTRACTOR SHALL PLACE SUCH FILL IN ACCORDANCE WITH 2020 WSDOT STANDARD SPECIFICATIONS SECTION 2-03.3(14) C METHOD B.
4. IF THE CONTRACTOR'S OPERATIONS RESULTS IN SEDIMENT BEING TRACKED INTO THE PUBLIC RIGHT-OF-WAY, A WHEEL WASH OR CONSTRUCTION ENTRANCE MAY BE REQUIRED AT THE INSPECTOR'S DISCRETION.

Current WSDOT Standard Specification, Standard Plans, and MUTCD as amended by WSDOT will govern all work with the SR 503 Right of way.

And WSDOT,
within SR 503
Right of Way

Sawcut

And WSDOT,
within SR 503
Right of Way

And WSDOT,
within SR 503
Right of Way

Any grading requirement must be in the plans

Follow WSDPT
spec's in SR
503 right of way

All structural fill in
WSDOT right of
Way must be
WSDOT Spec
Gravel Borrow

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499 G04 GENERAL NOTES.DWG

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

GENERAL NOTES

REVISIONS

JOB NO.: 17499

DATE: 12/15/2021

SCALE: NTS

DESIGNED BY:

DRAWN BY:

CHECKED BY: ME

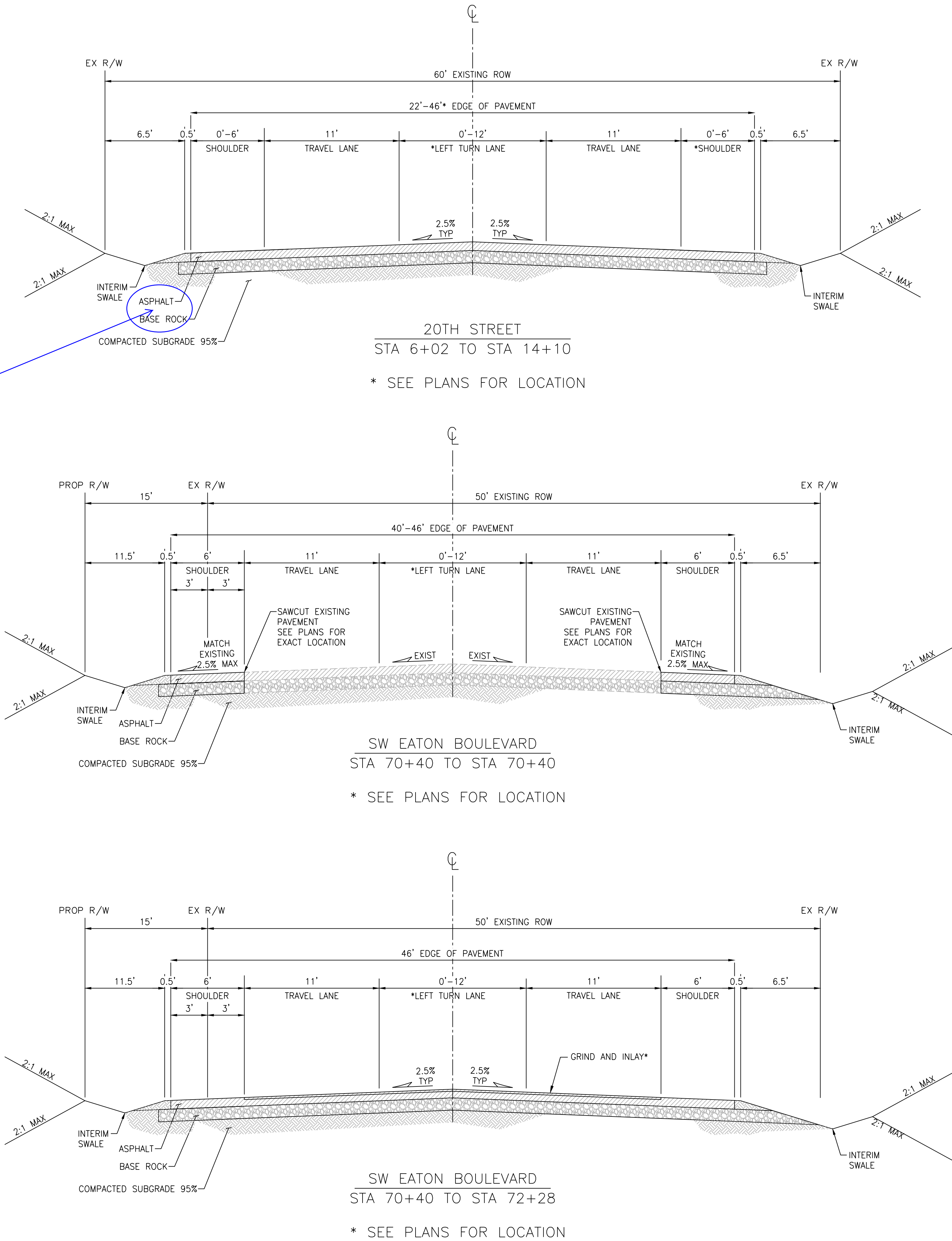
60% SUBMITTAL

G04

NO. 4 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_G05_GOX_TYPICAL SECTIONS.DWG

Use proper naming conventions consistent with WSDOT Standard Specifications



PAVEMENT NOTES:
PAVEMENT DESIGN TO BE PROVIDED AT 90%

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503
TYPICAL ROADWAY SECTIONS

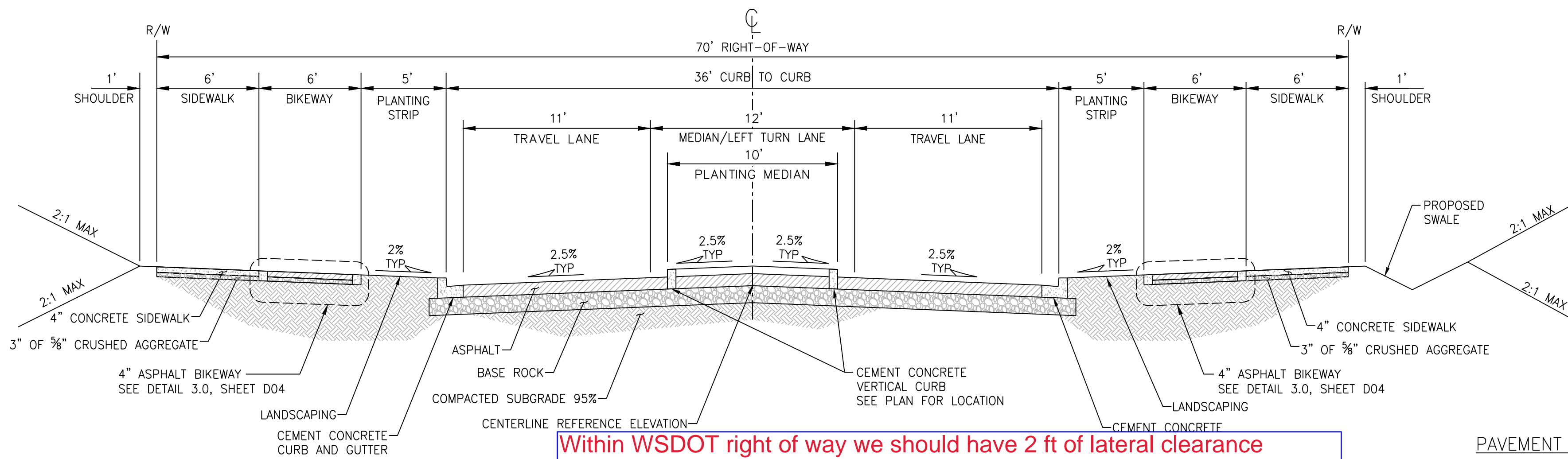
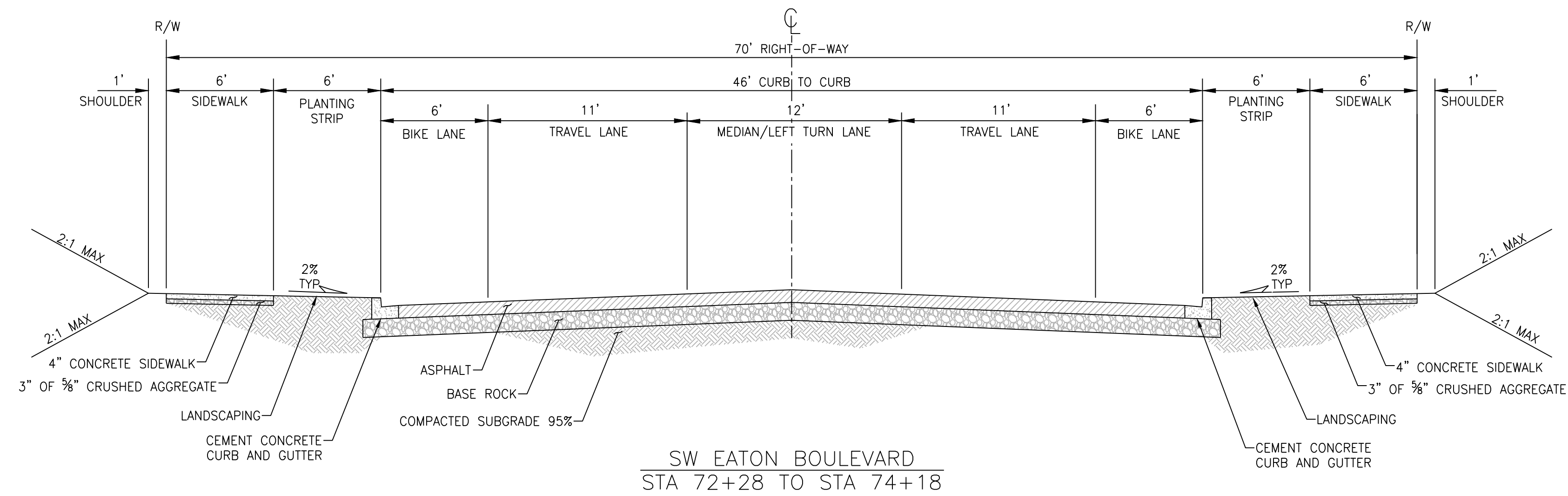
REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	NTS
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

G05

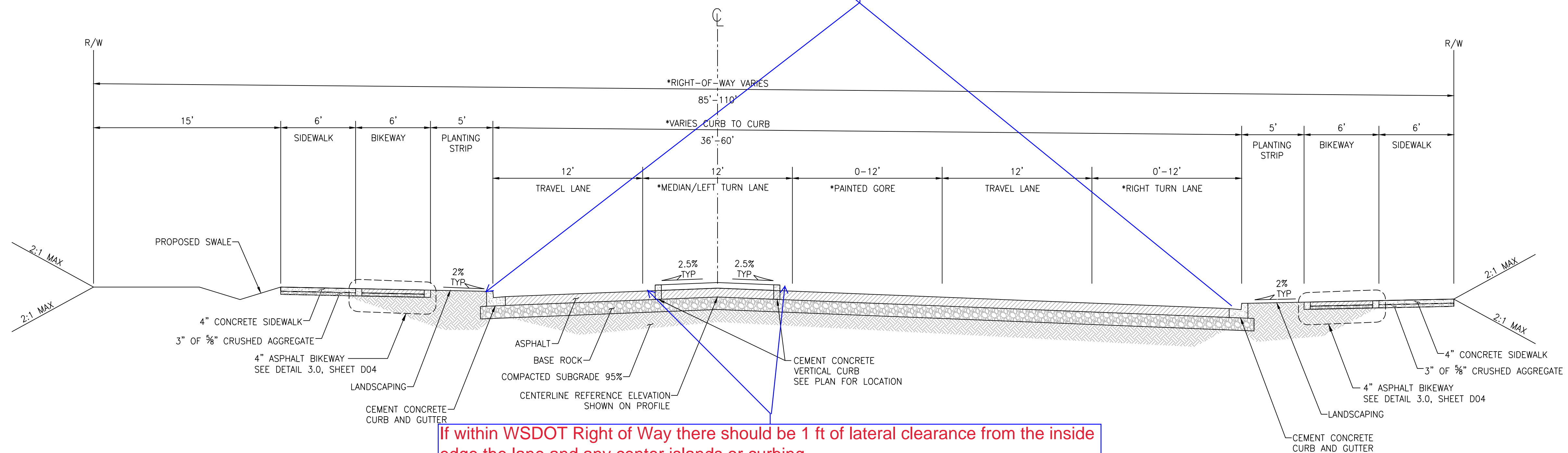
NO. 5 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_G05_TYPICAL SECTIONS.DWG



Within WSDOT right of way we should have 2 ft of lateral clearance between the curb and edge of through lane on Eaton, wider on SR 503. See WSDOT Design Manual Guidance

PAVEMENT NOTES:
PAVEMENT DESIGN TO BE PROVIDED AT 90%



If within WSDOT Right of Way there should be 1 ft of lateral clearance from the inside edge the lane and any center islands or curbing

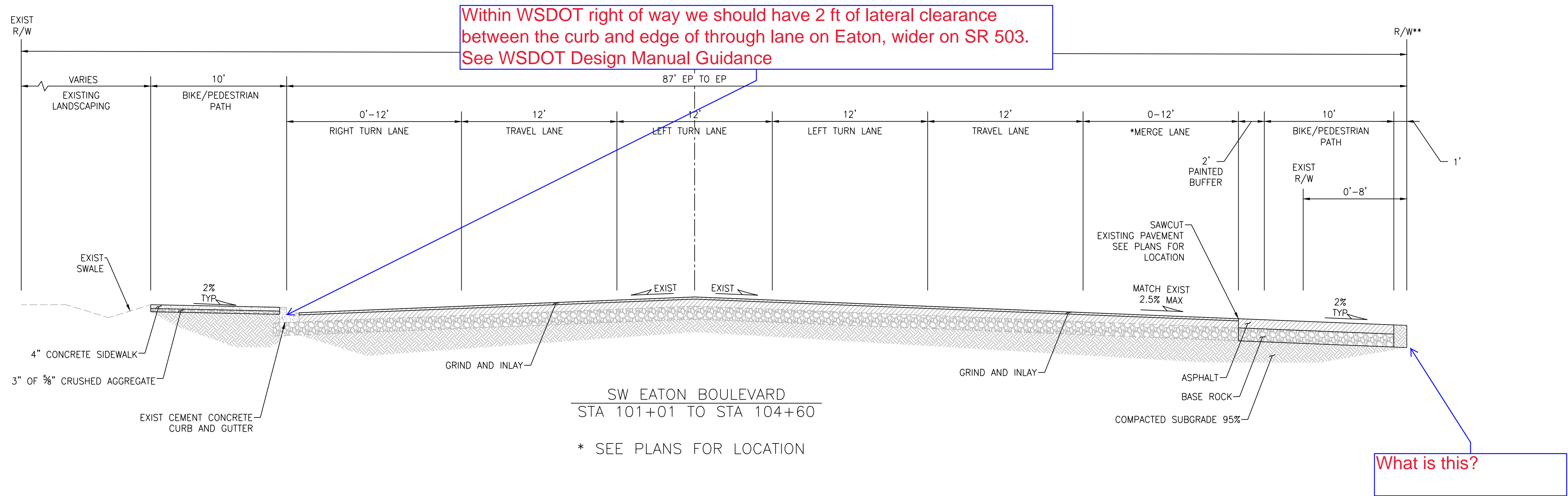
REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: NTS
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

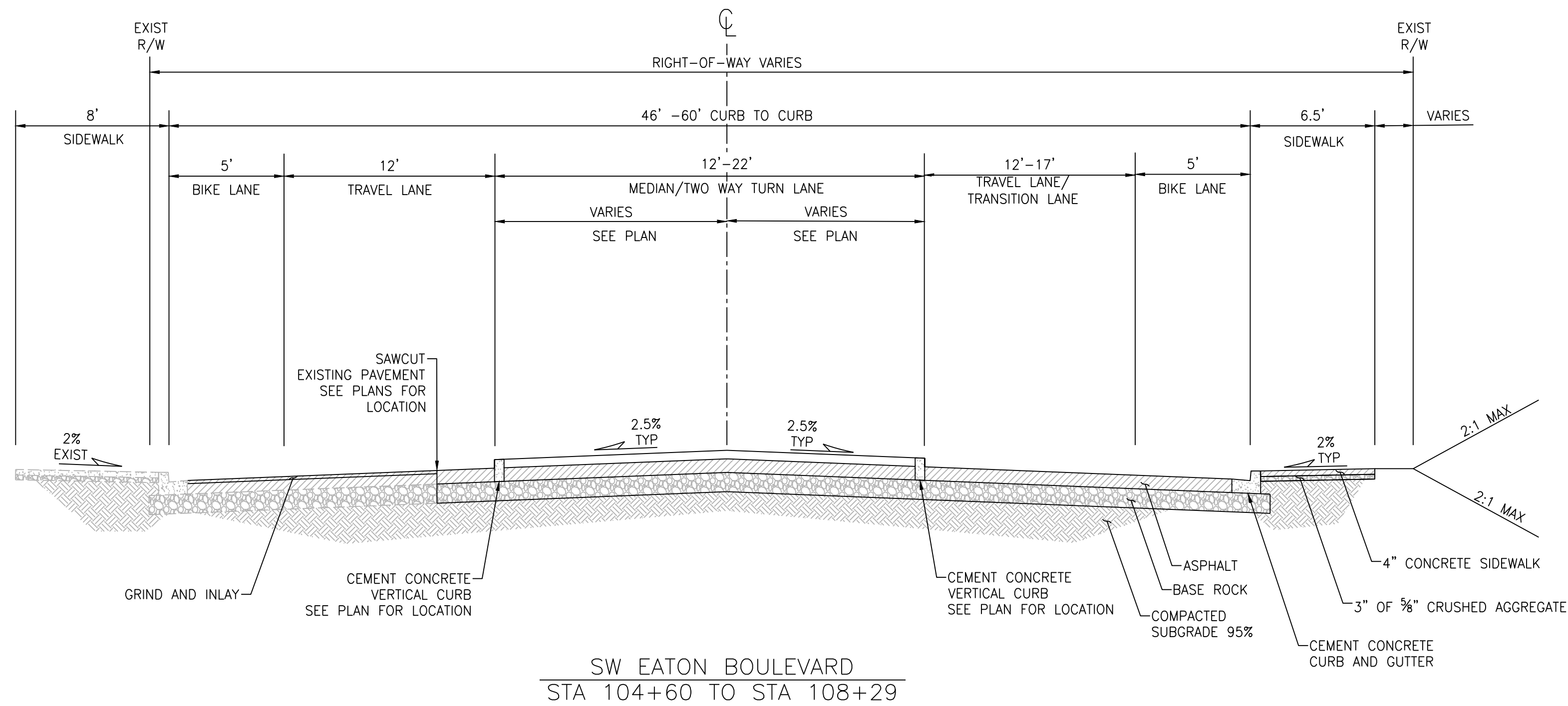
60% SUBMITTAL

G06

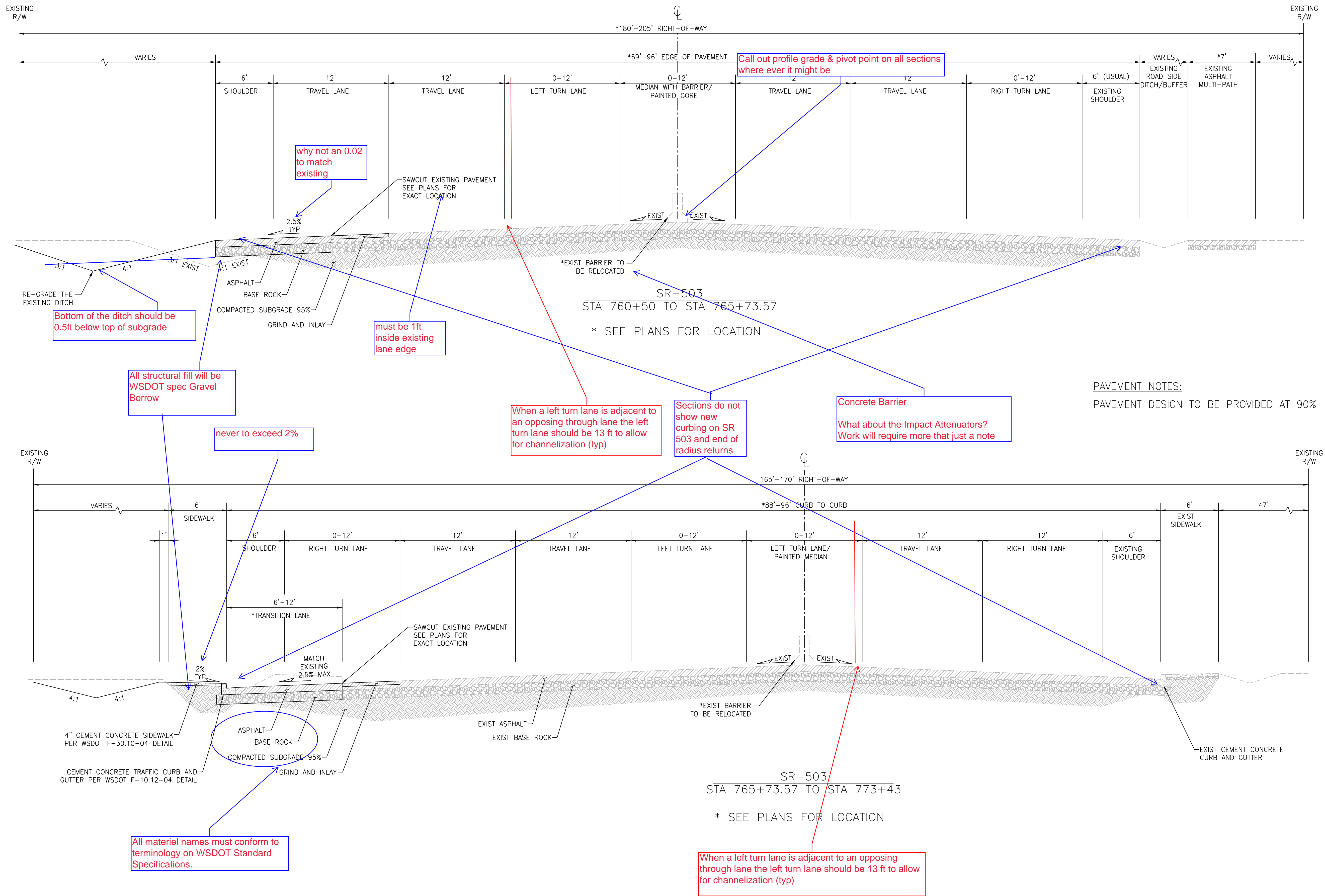
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PAVEMENT NOTES:
PAVEMENT DESIGN TO BE PROVIDED AT 90%

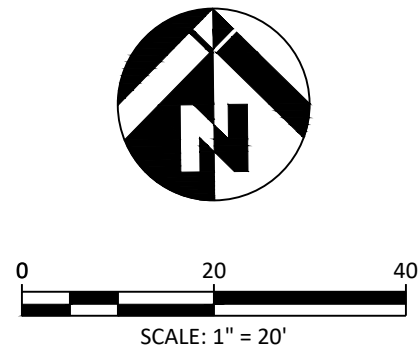
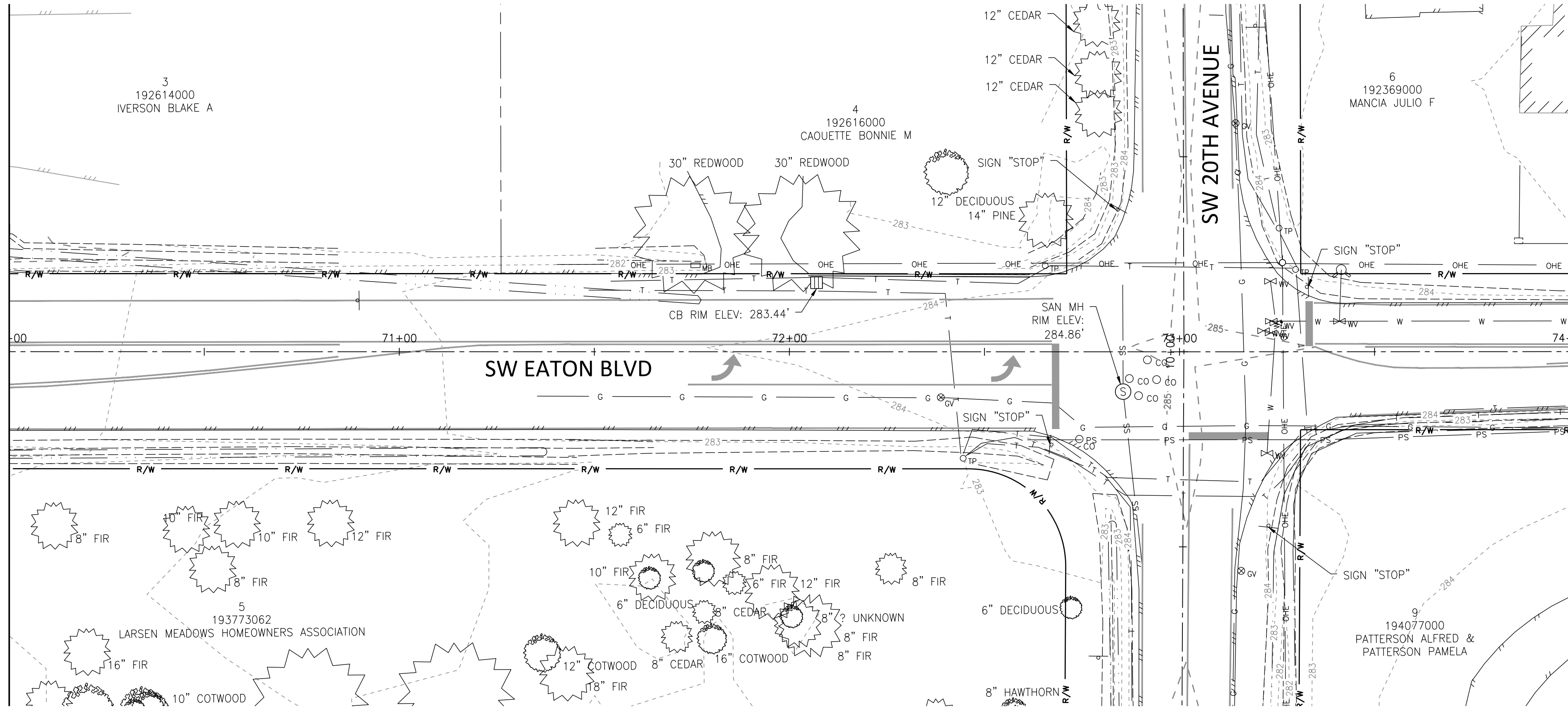


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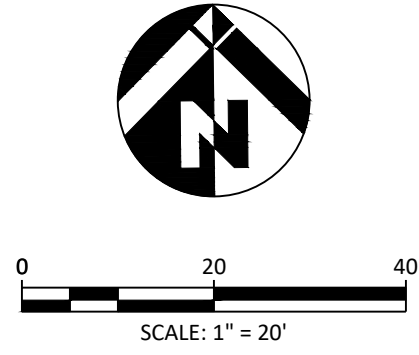
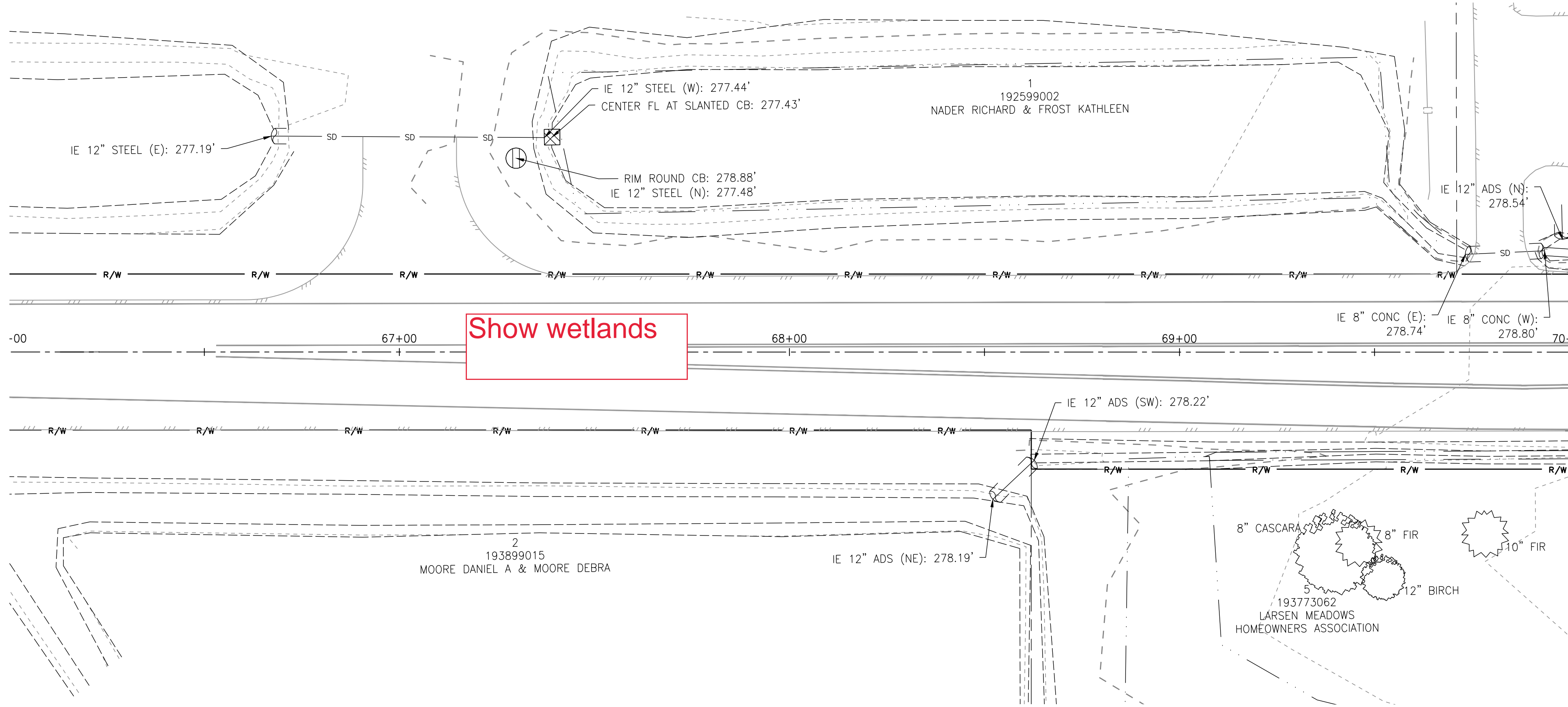


FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_V01_V03_EX COND.DWG

MATCH LINE STA. 70+00 SEE ABOVE RIGHT



MATCH LINE STA. 74+00 SEE SHEET V02



MATCH LINE STA. 70+00 SEE BELOW LEFT

Show wetlands

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

EXISTING CONDITIONS
STA 66+00 TO STA 74+00

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

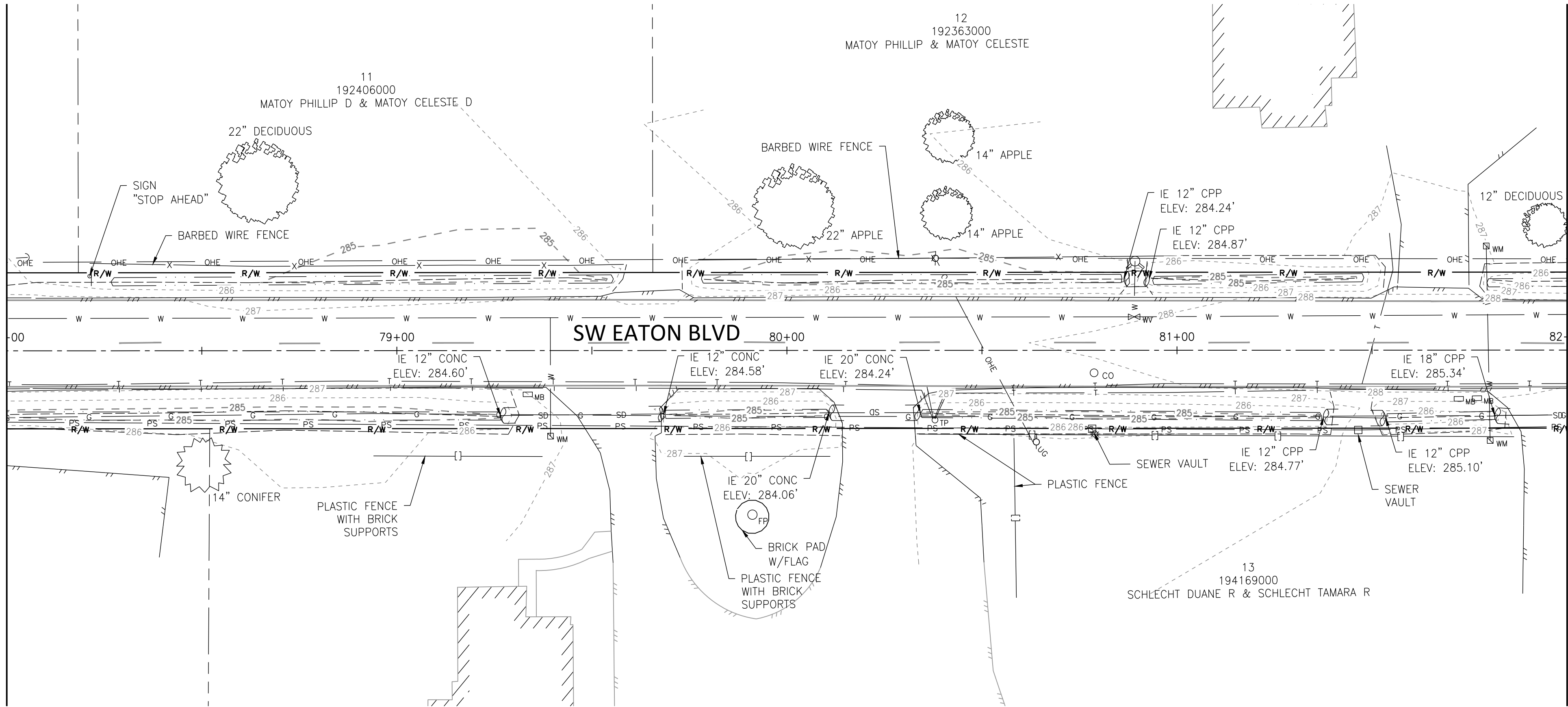
60% SUBMITTAL

V01

NO. 11 OF X

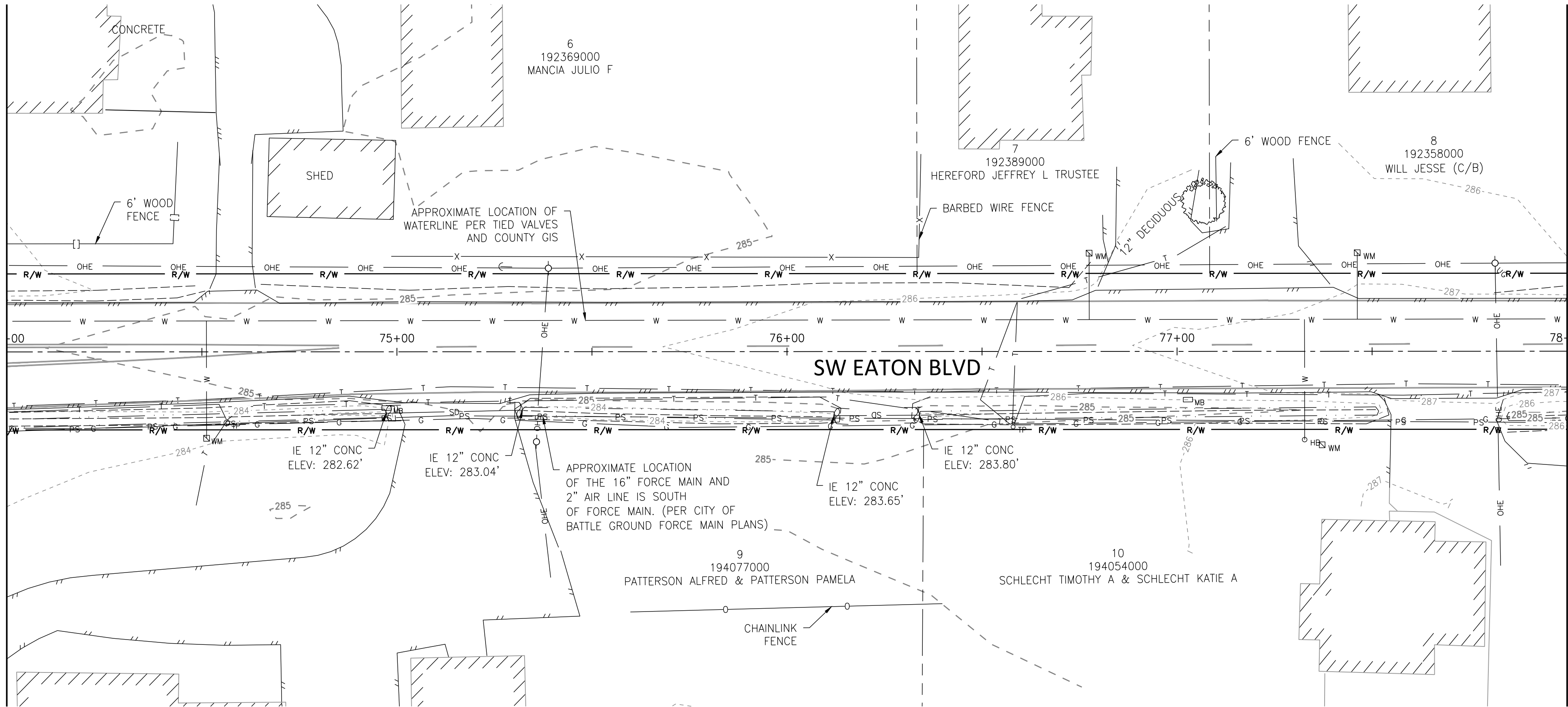
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MATCH LINE STA. 78+00 SEE ABOVE RIGHT



MATCH LINE STA. 82+00 SEE SHEET V03

MATCH LINE STA. 74+00 SEE SHEET V01



MATCH LINE STA. 78+00 SEE BELOW LEFT

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

EXISTING CONDITIONS
STA 74+00 TO STA 82+00

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: VU
DRAWN BY:
CHECKED BY: ME

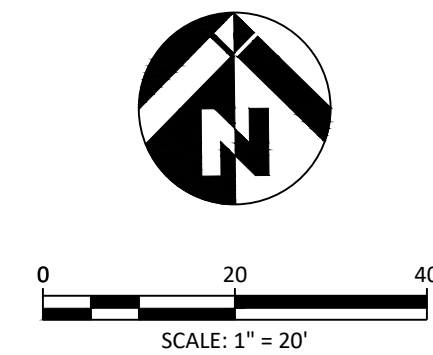
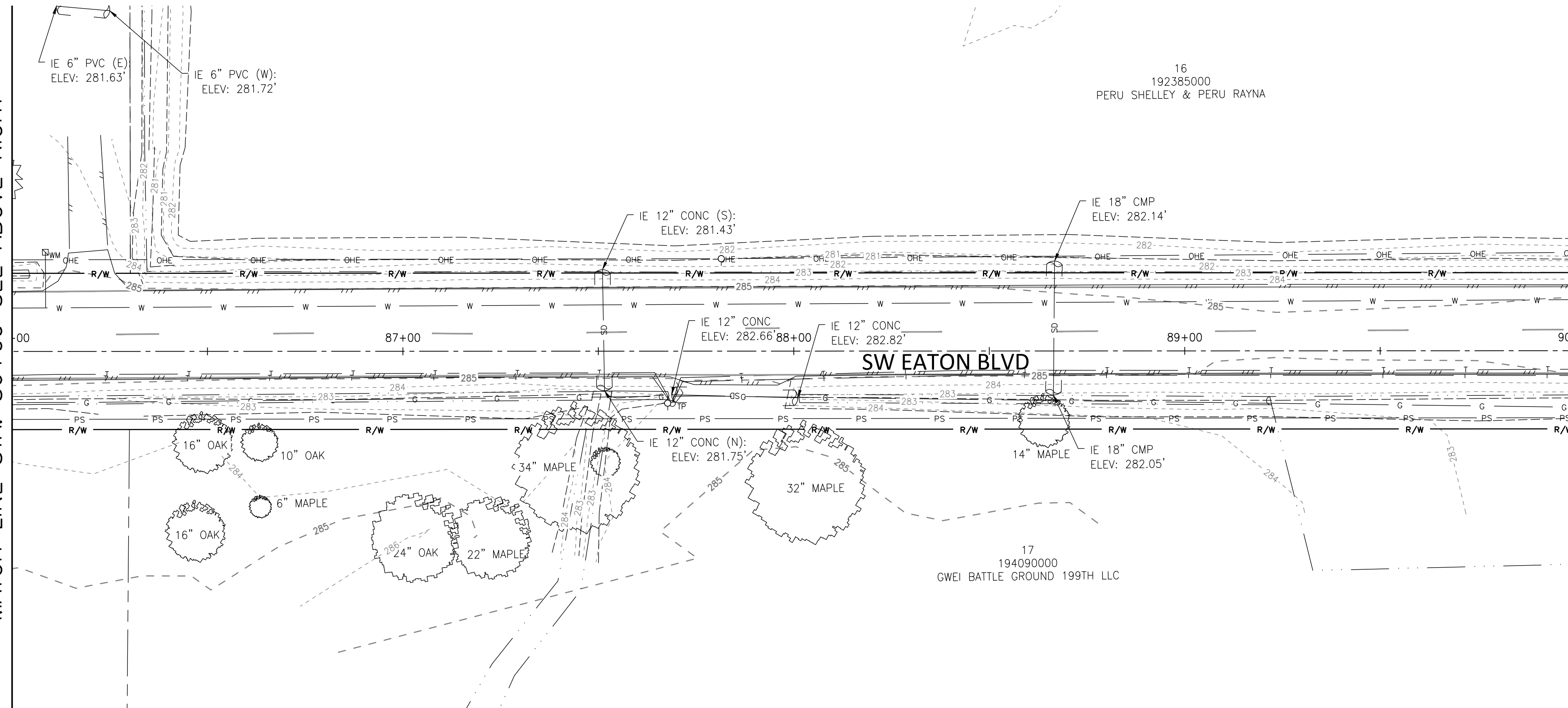
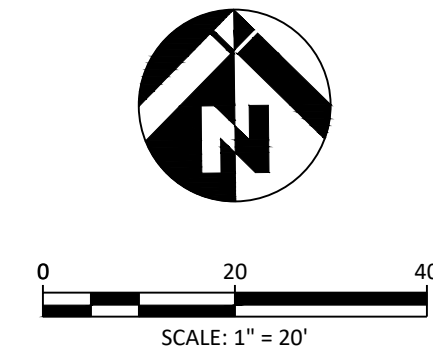
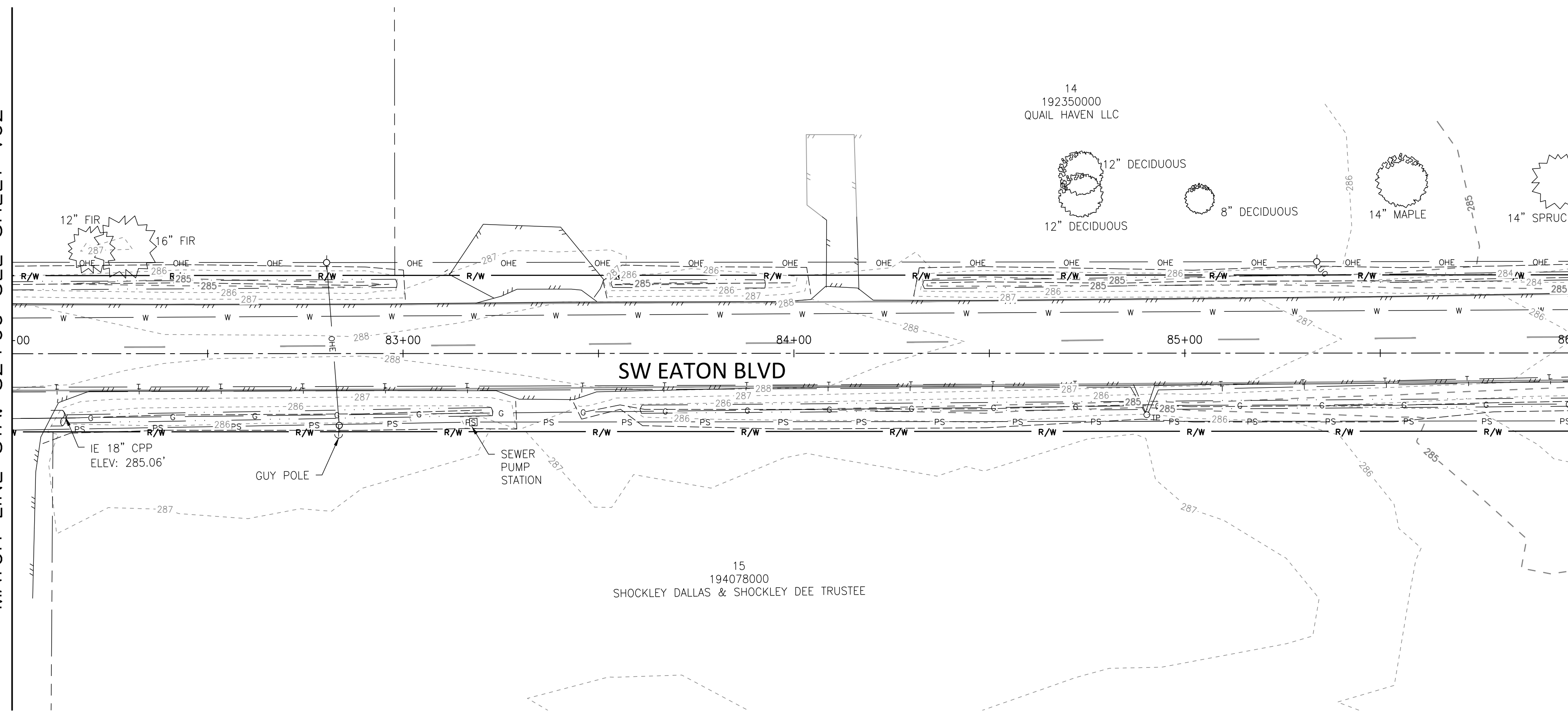
60% SUBMITTAL

V02

NO. 12 OF X



MATCH LINE STA. 86+00 SEE ABOVE RIGHT





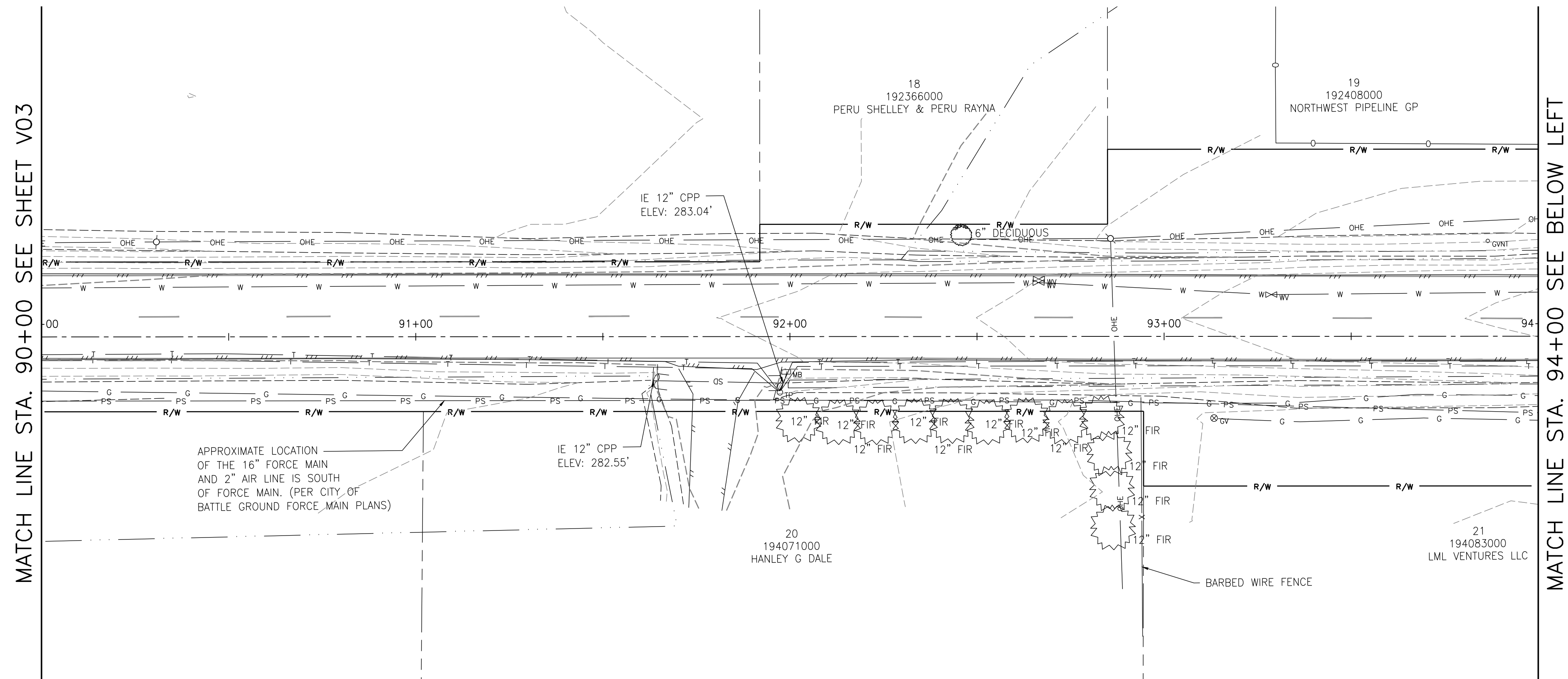
SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

REVISIONS:

No.	Description	Date

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

V04



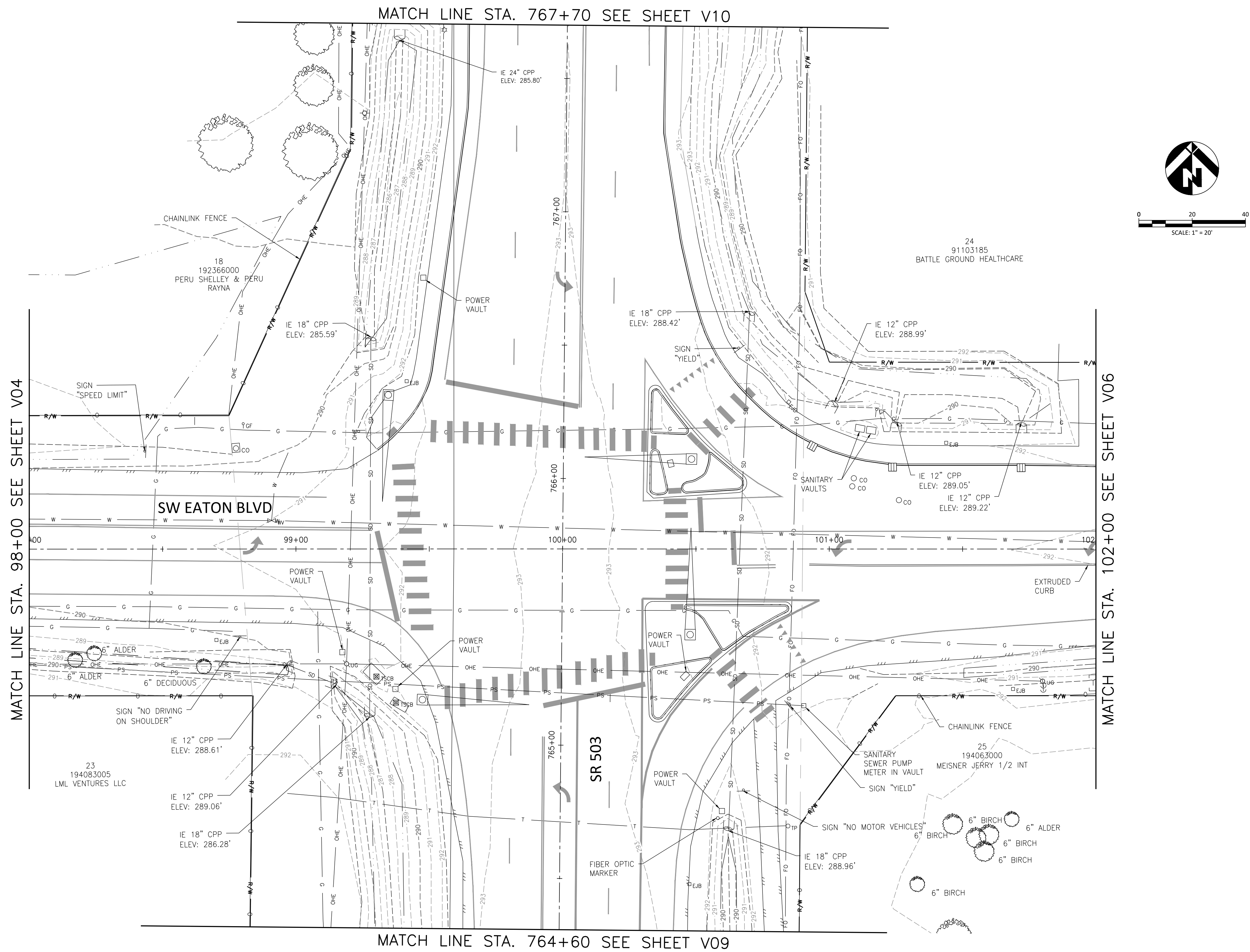
Where is Williams
large underground
gas line?



REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

V05





SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

EXISTING CONDITIONS
STA 102+00 TO STA 110+00

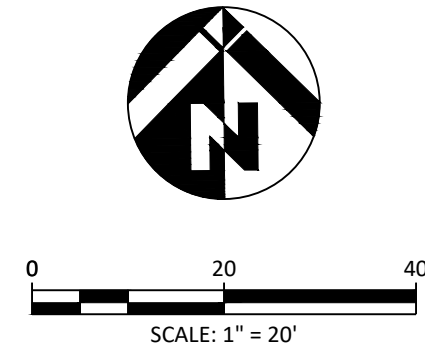
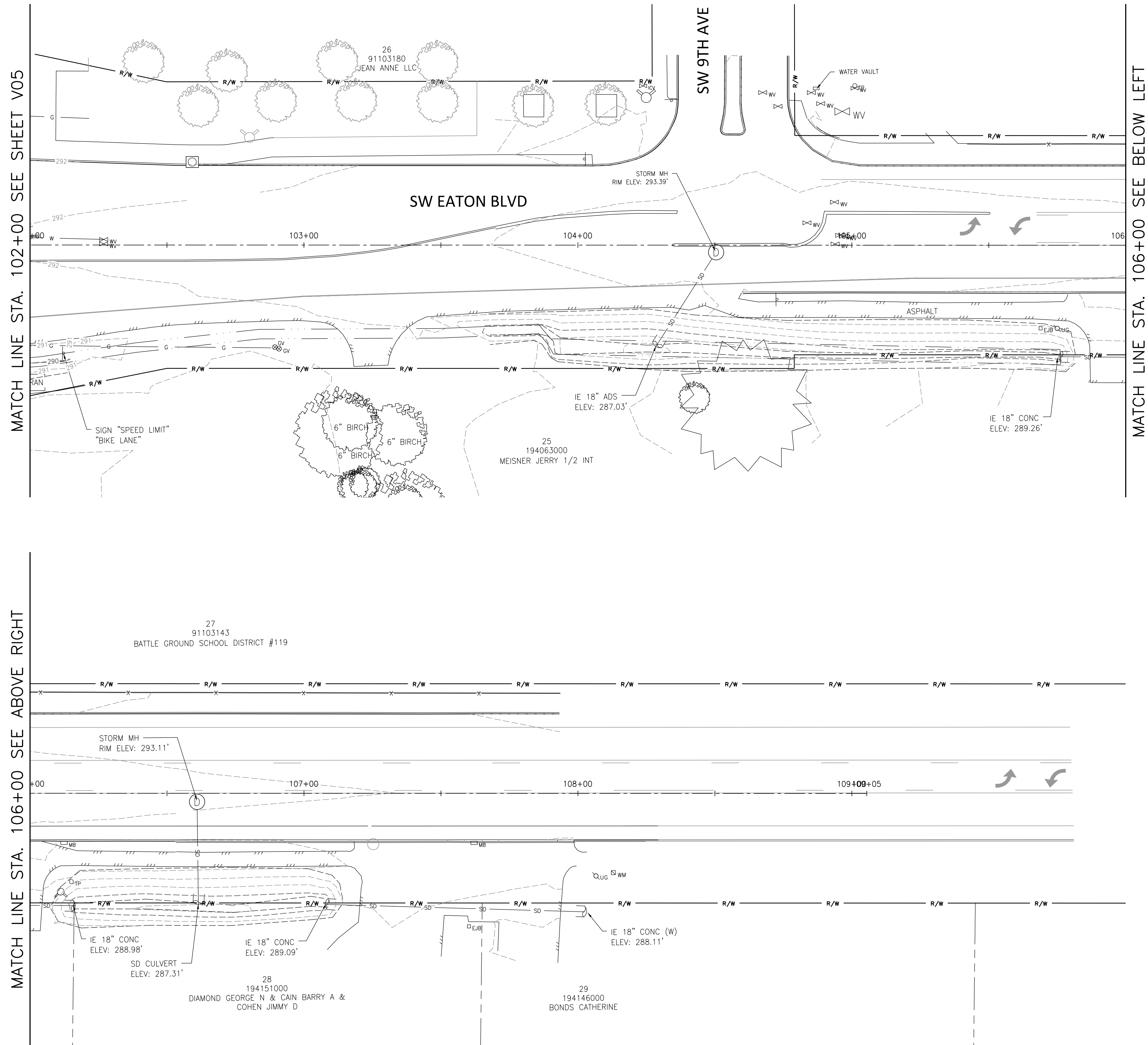
REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

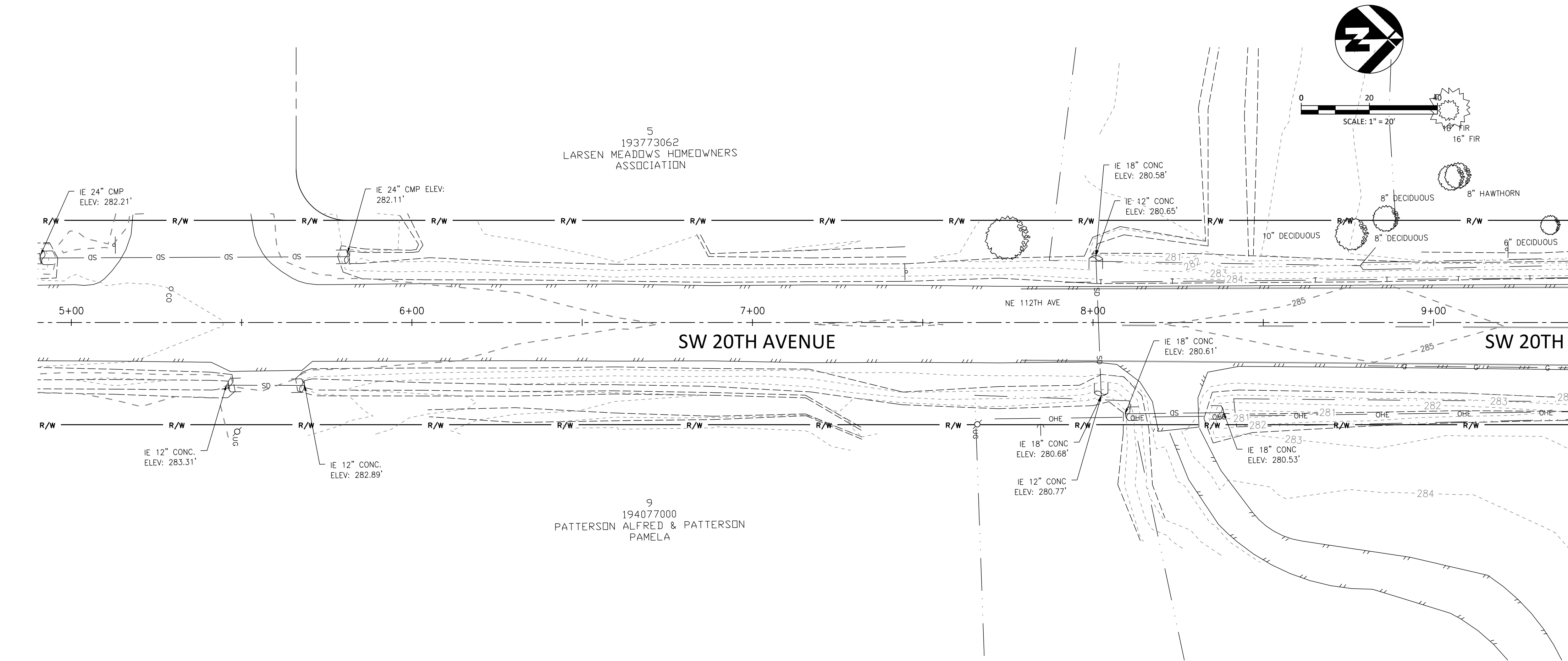
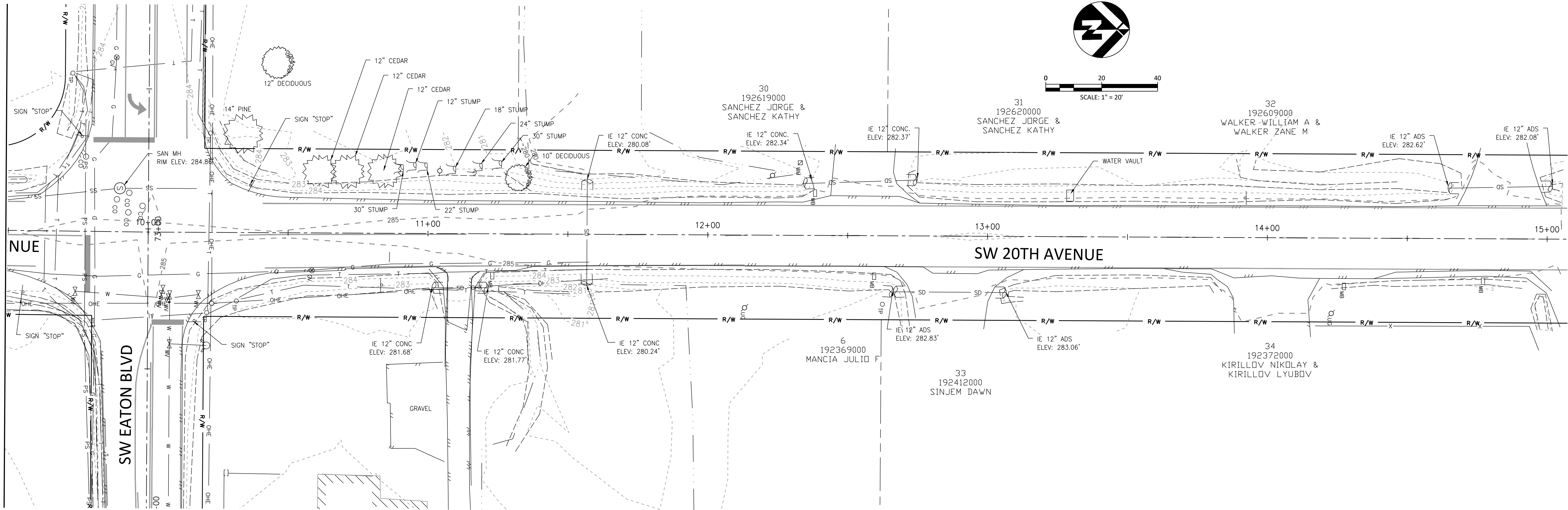
60% SUBMITTAL

V06

NO. 16 OF X



MATCH LINE STA. 9+50 SEE ABOVE



MATCH LINE STA. 9+60 SEE BELOW

SW EATON BOULEVARD ROAD IMPROVEMENT

SW 20TH AVENUE TO SR 503

EXISTING CONDITIONS
SW 20TH AVENUE

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

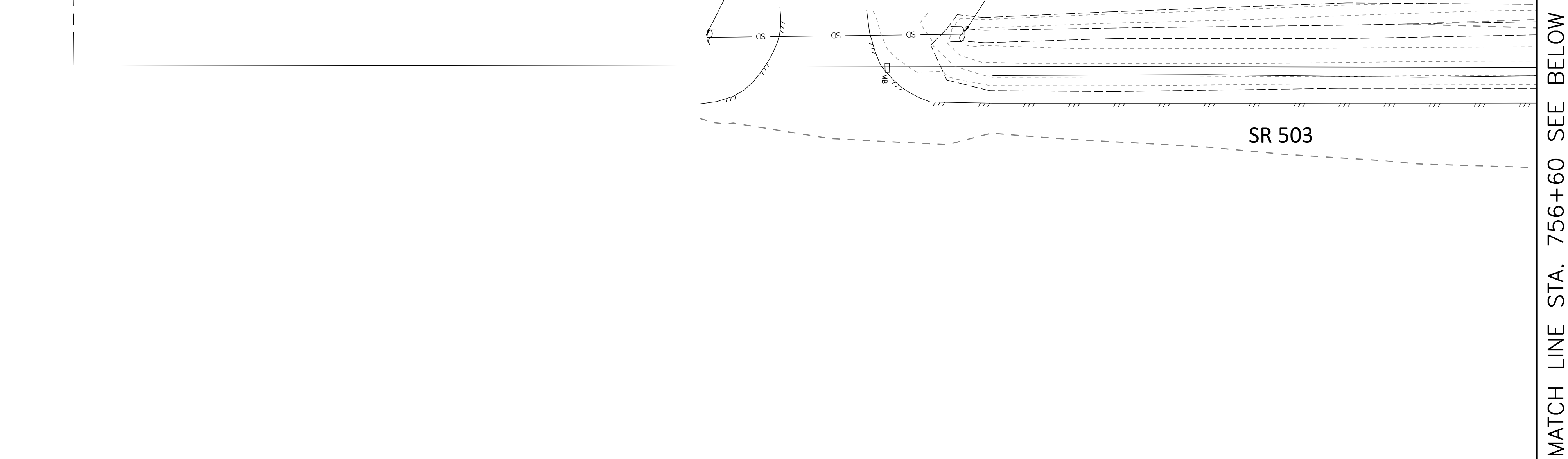
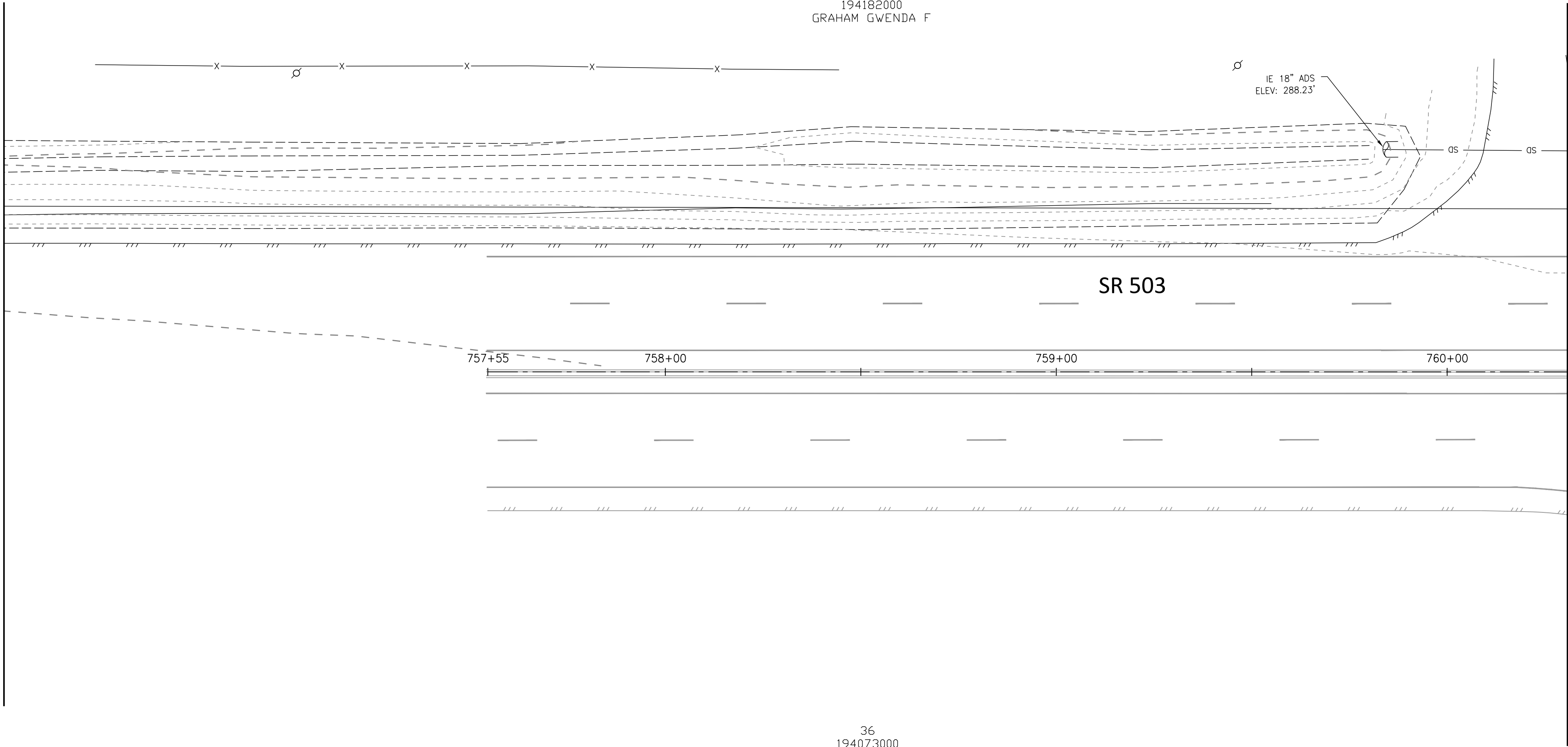
60% SUBMITTAL

V07

NO. 17 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_V07_V10_EX COND.DWG

MATCH LINE STA. 756+60 SEE ABOVE



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

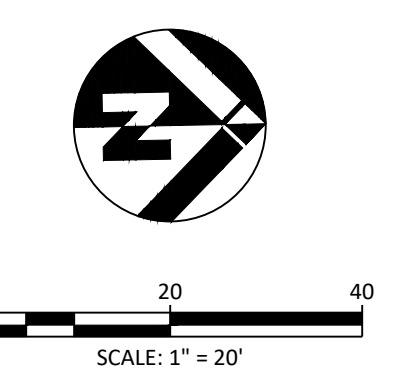
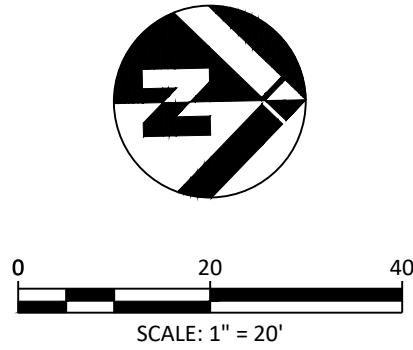
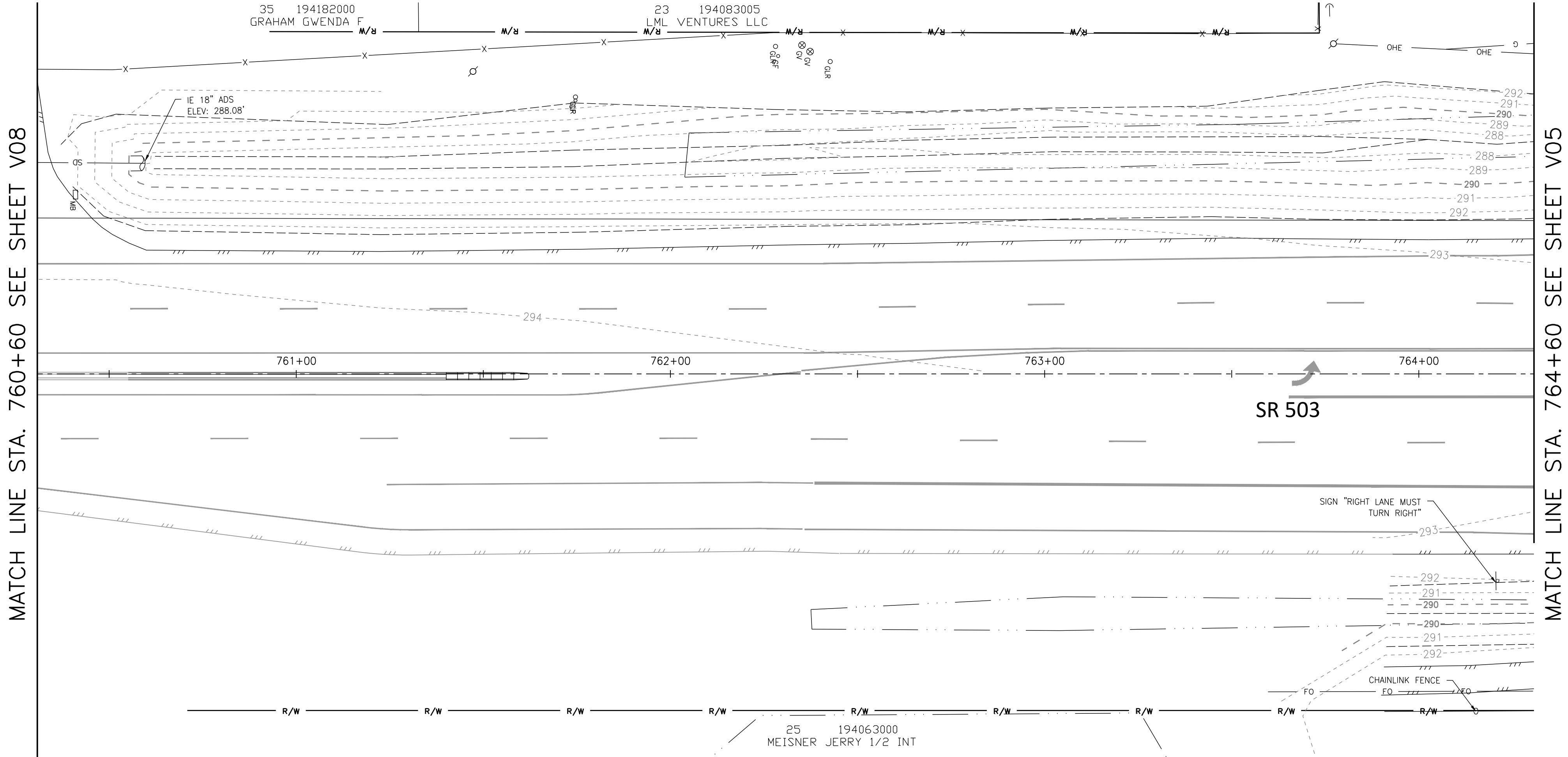
EXISTING CONDITIONS
SR 503 - STA 752+60 TO STA 760+60

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

V08





SW EATON BOULEVARD ROAD IMPROVEMENT

SW 20TH AVENUE TO SR 503

EXISTING CONDITIONS
SR 503 - STA 760+60 TO STA 764.+60

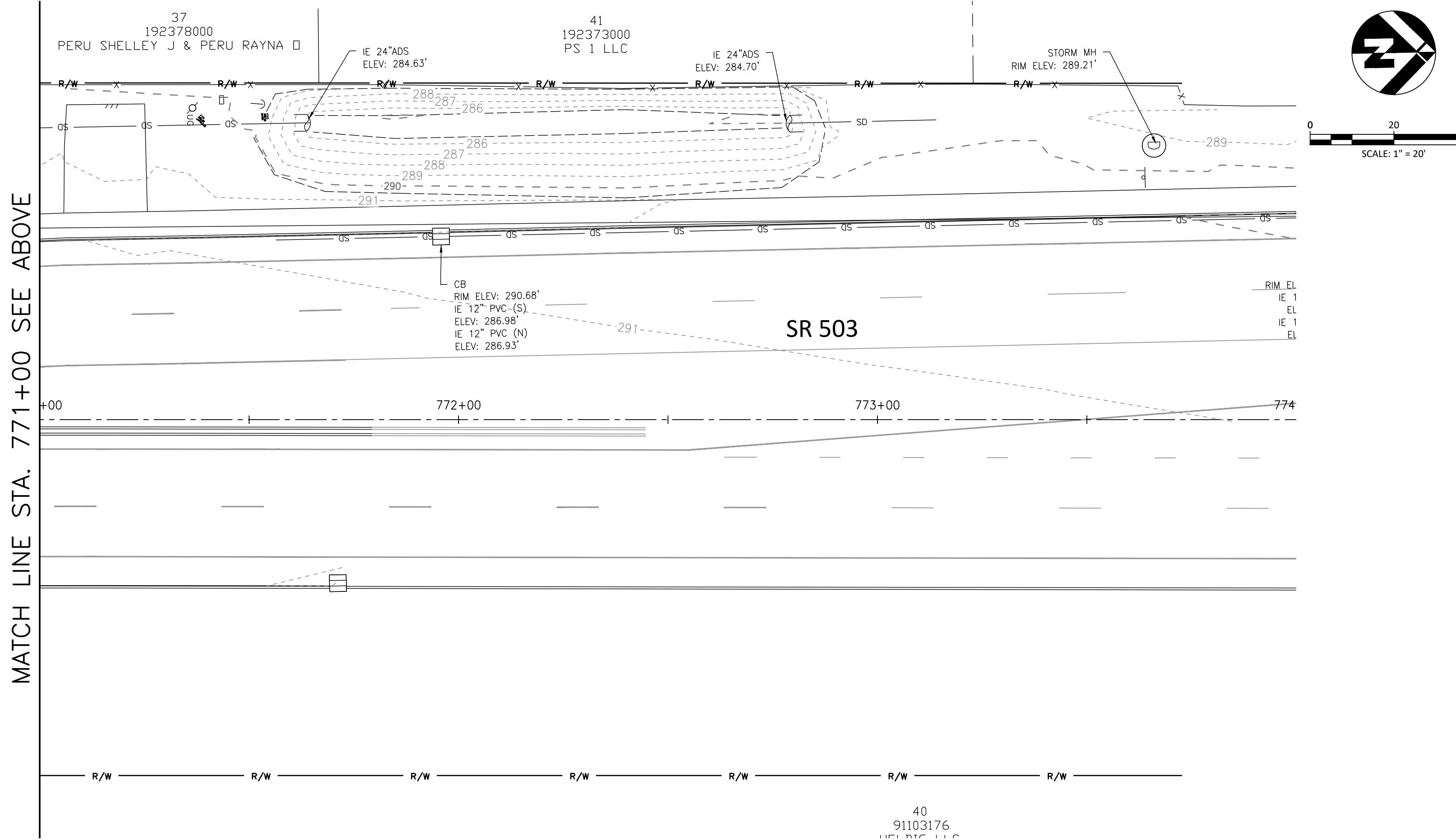
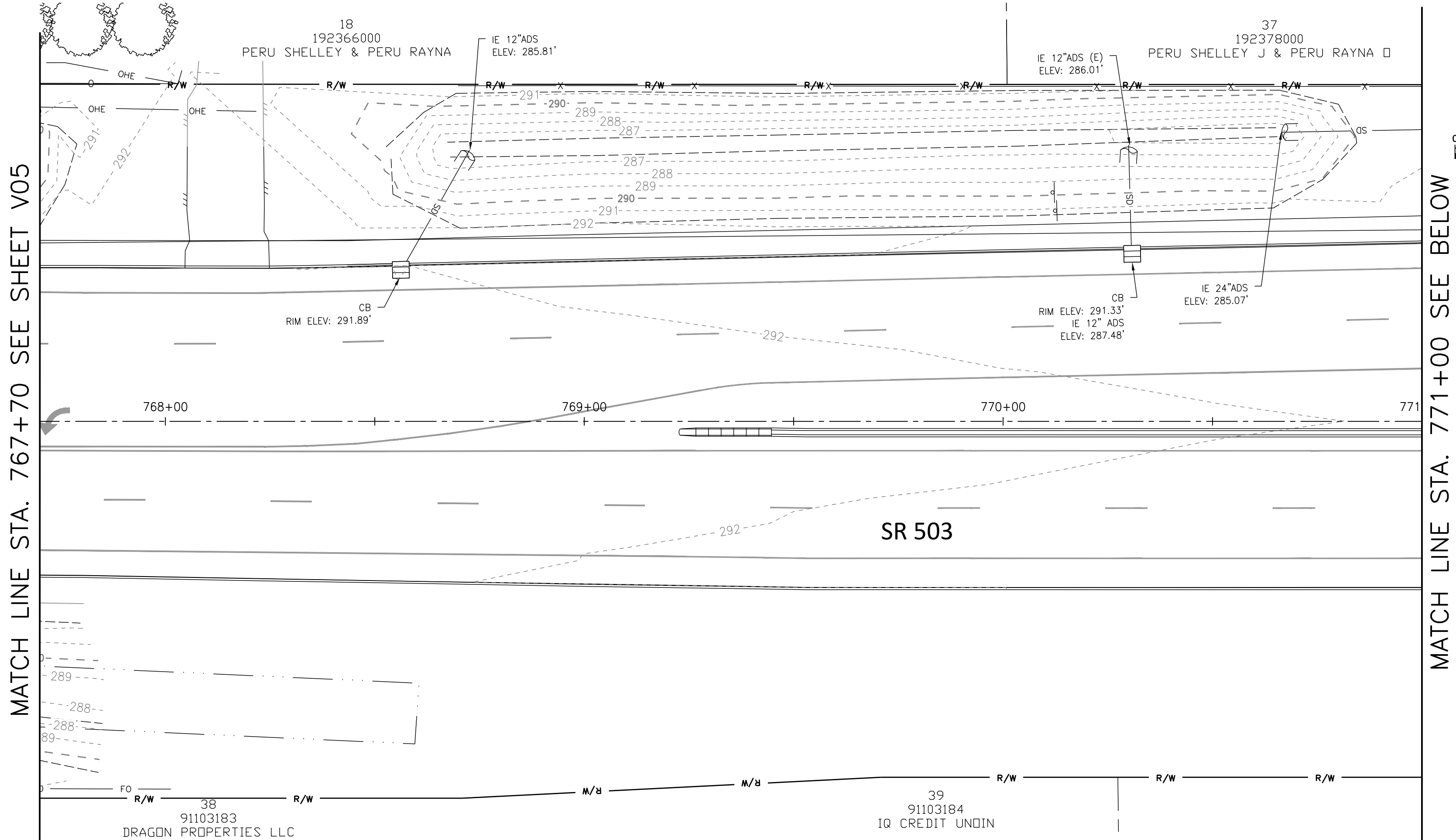
REVISIONS:	
JOB NO.: 17499	
DATE: 12/15/2021	
SCALE: 1" = 20'	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY: ME	

60% SUBMITTAL

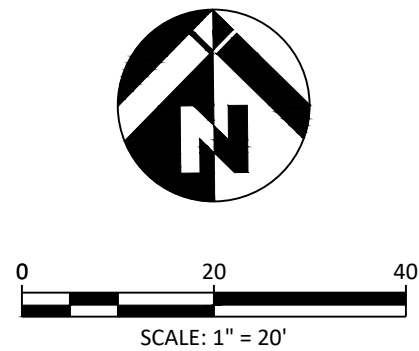
V09



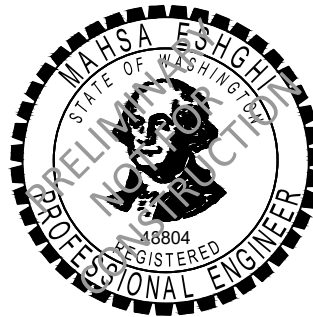
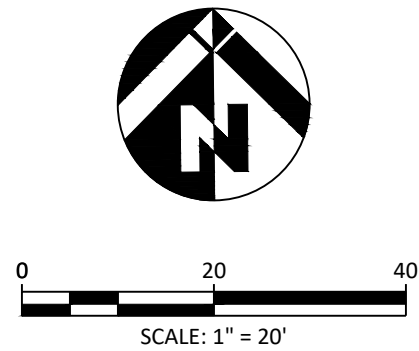
FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_V07_V10_EX COND.DWG



OWNERSHIP							
ACQUISITION PARCEL NO	ASSESSOR PARCEL NO	OWNER	TOTAL AREA SQ. FT.	FEE ACO. SQ. FT.	REMAINDER SQ. FT.	PERMANENT EASEMENT SQ. FT.	TEMP. CONST. ESMT (TCE) SQ. FT.
1	192599002	NADER RICHARD & FROST KATHLEEN	43,560	0			
2	193899015	MOORE DANIEL A & MOORE DEBRA	50,094	0			
3	192614000	IVERSON BLAKE A	21,780	2,325	19,455		
4	192616000	CAOQUETTE BONNIE M	21,780	2,551	19,229		
5	193773062	LARSEN MEADOWS HOMEOWNERS ASSOCIATION	654,322	381	653,941		



HATCH PATTERN
RIGHT-OF-WAY TO BE ACQUIRED:



REVISIONS:

JOB NO.: 17499

DATE: 12/15/2021

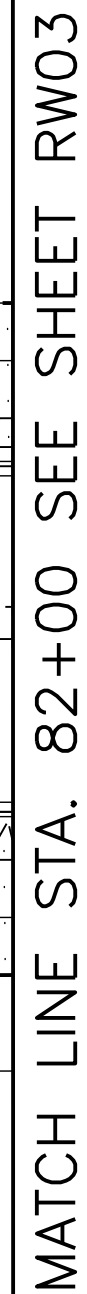
SCALE: 1" = 20'

DESIGNED BY:


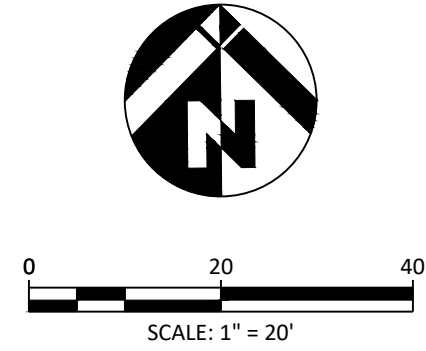
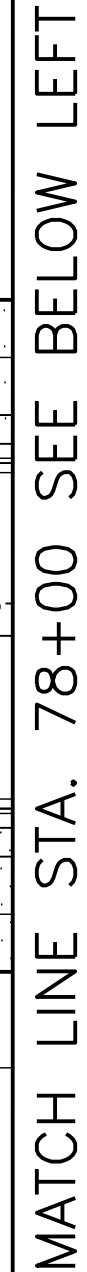
DRAWN BY:

CHECKED BY: ME

60% SUBMITTAL

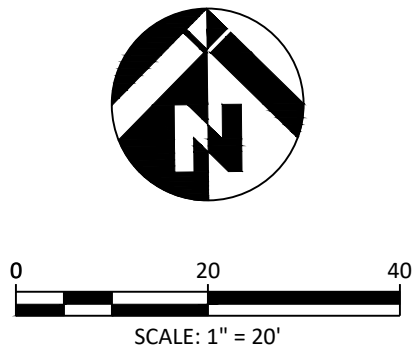
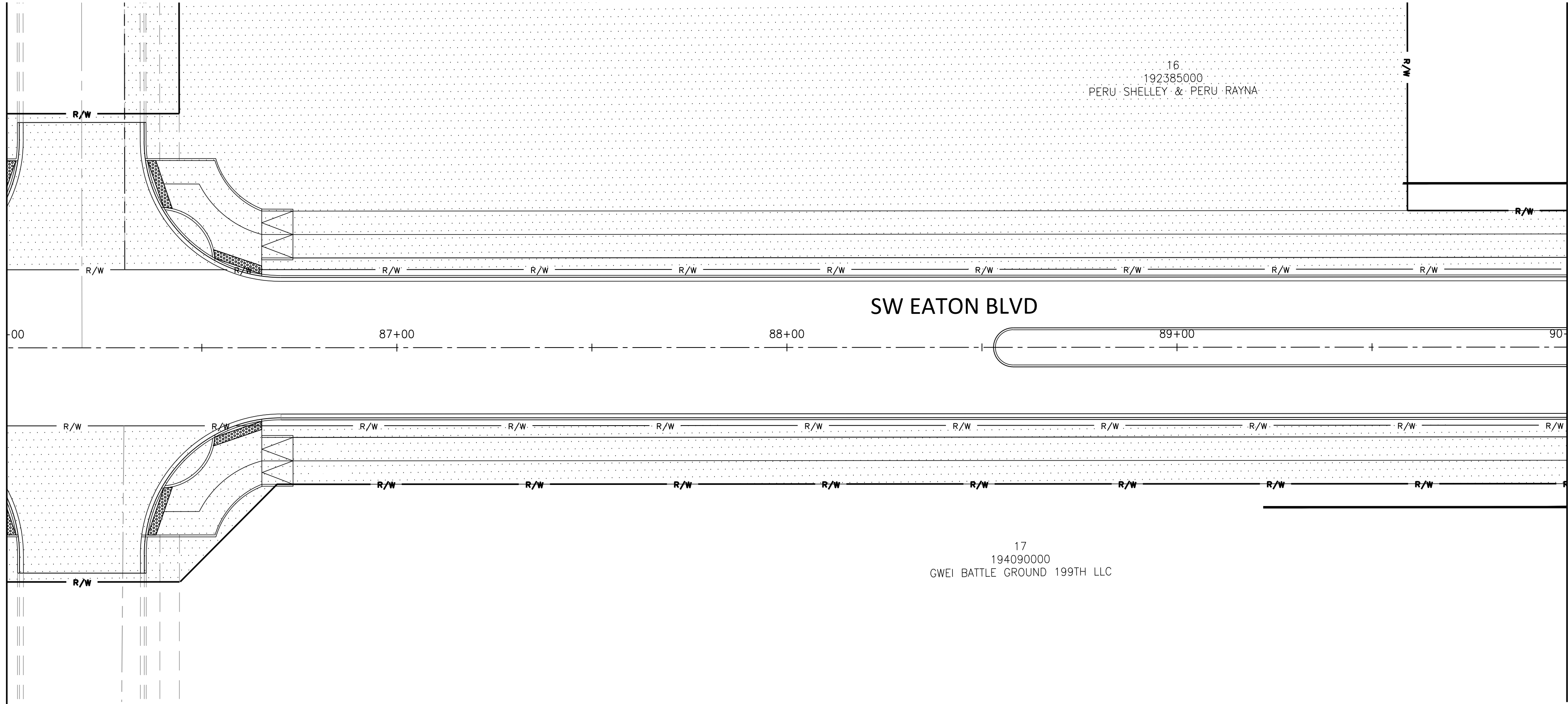


OWNERSHIP

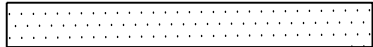


FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_ROW01_ROW03_RIGHT OF WAY.DWG

MATCH LINE STA. 86+00 SEE ABOVE RIGHT

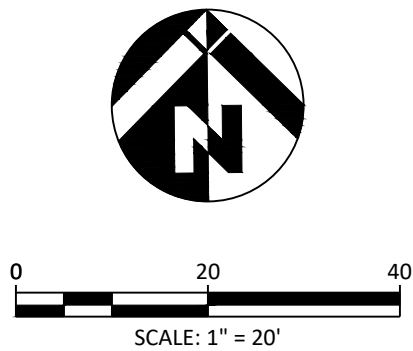
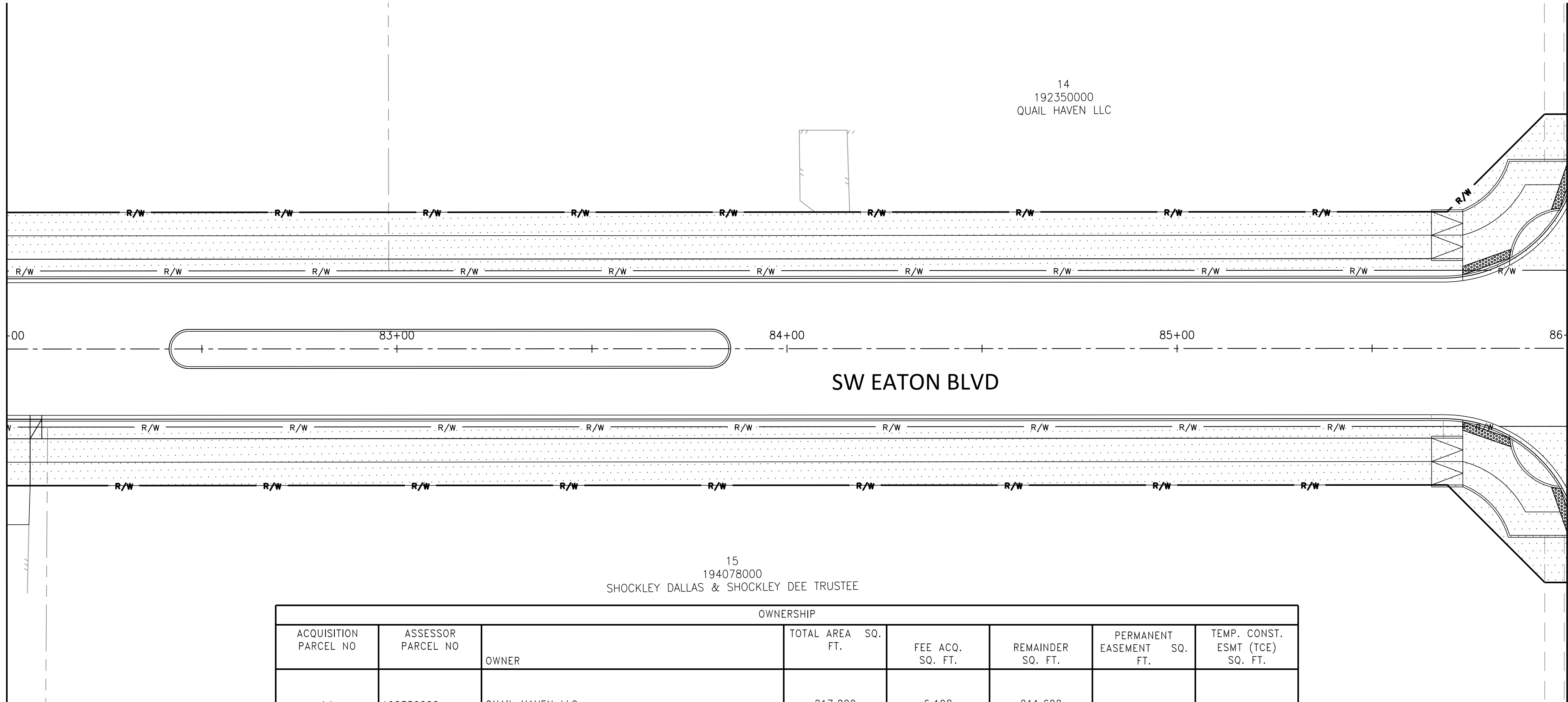


HATCH PATTERN
RIGHT-OF-WAY TO BE ACQUIRED:



OWNERSHIP							
ACQUISITION PARCEL NO	ASSESSOR PARCEL NO	OWNER	TOTAL AREA SQ. FT.	FEE ACQ. SQ. FT.	REMAINDER SQ. FT.	PERMANENT EASEMENT SQ. FT.	TEMP. CONST. ESMT (TCE) SQ. FT.
14	192350000	QUAIL HAVEN LLC	217,800	6,198	211,602		
15	194078000	SHOCKLEY DALLAS & SHOCKLEY DEE TRUSTEE	377,230	7,494	369,736		
16	192385000	PERU SHELLEY & PERU RAYNA	115,434	66,444	48,990		
17	194090000	GWEI BATTLE GROUND 199TH LLC	217,800	7,754	210,046		

MATCH LINE STA. 82+00 SEE SHEET RW02



MATCH LINE STA. 86+00 SEE BELOW LEFT

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

RIGHT OF WAY PLAN
STA 82+00 TO STA 90+00

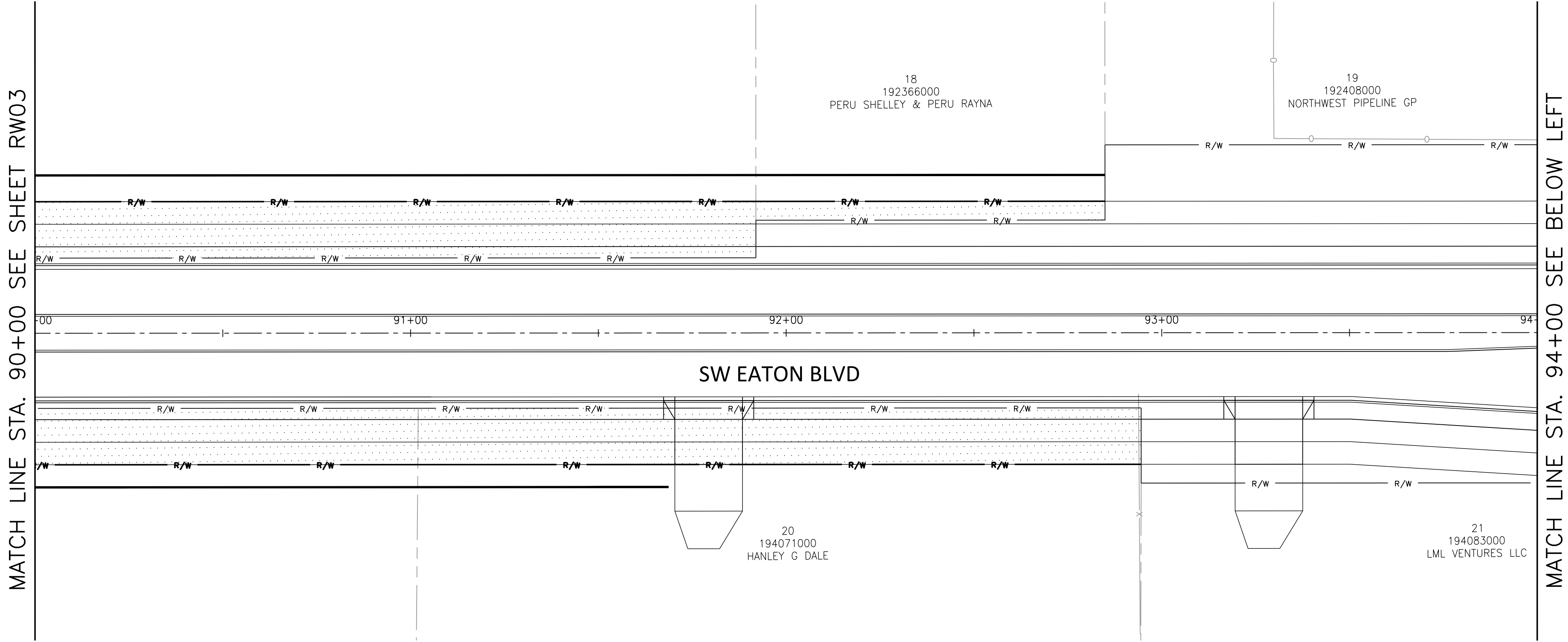
REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

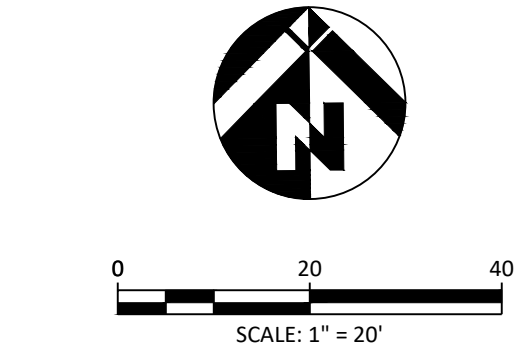
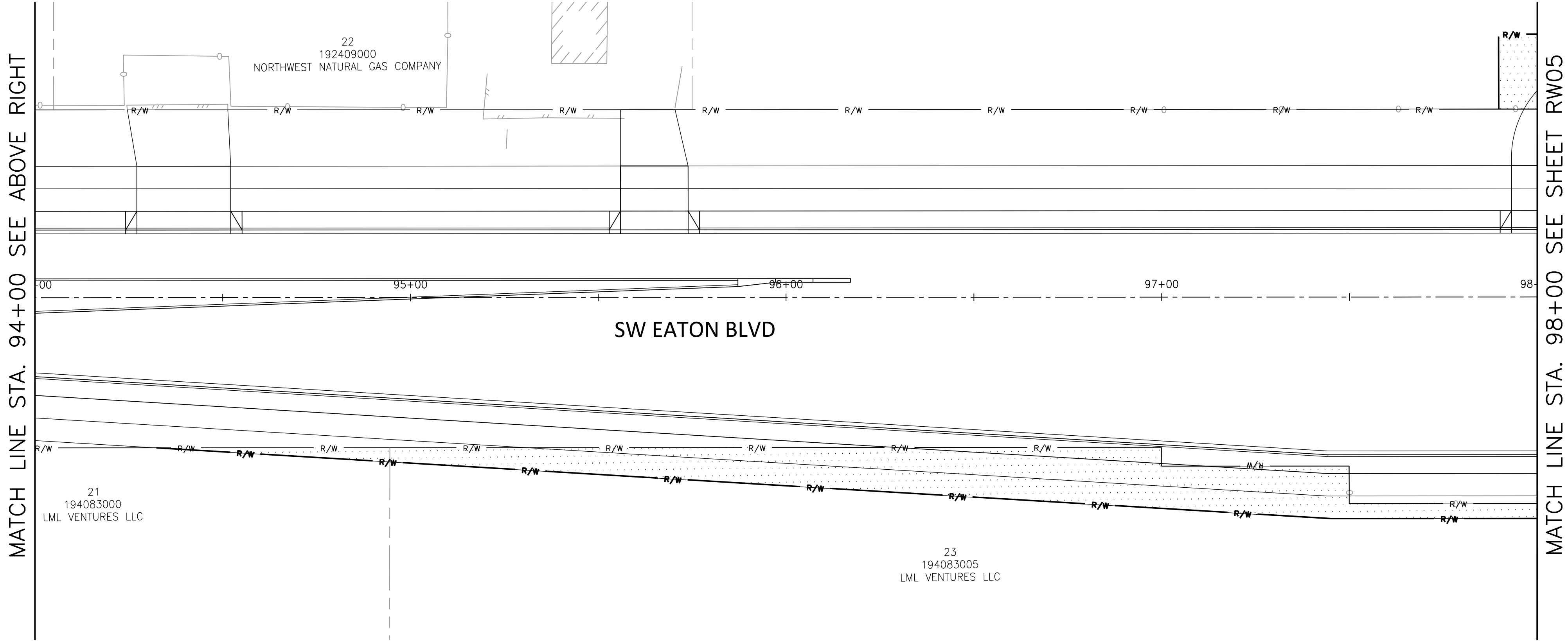
RW03

NO. 23 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_ROW04_ROW06_RIGHT OF WAY.DWG



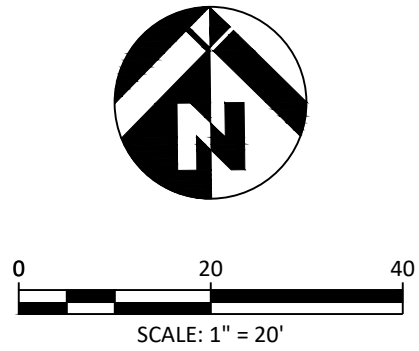
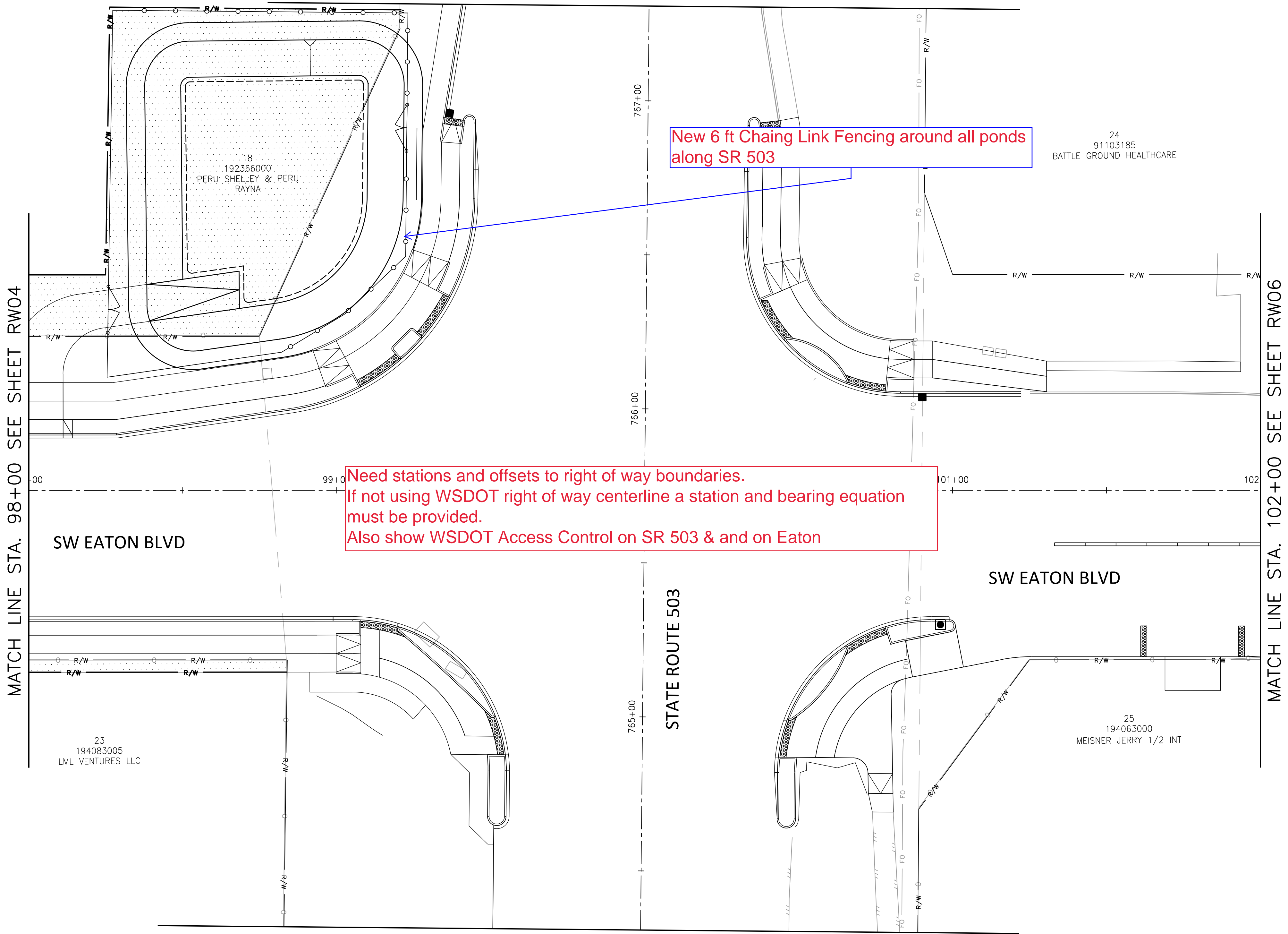
OWNERSHIP							
ACQUISITION PARCEL NO.	ASSESSOR PARCEL NO.	OWNER	TOTAL AREA SQ. FT.	FEE ACO. SQ. FT.	REMAINDER SQ. FT.	PERMANENT EASEMENT SQ. FT.	TEMP. CONST. ESMT (TCE) SQ. FT.
18	192366000	PERU SHELLEY & PERU RAYNA	439,520	8,546	430,974		
19	192408000	NORTHWEST PIPELINE GP	17,860	0			
20	194071000	HANLEY G DALE	435,600	2,888	432,712		
21	194083000	LML VENTURES LLC	145,055	117	144,938		
22	192409000	NORTHWEST NATURAL GAS COMPANY	25,700	0			
23	194083005	LML VENTURES LLC	120,226	3,231	116,995		



HATCH PATTERN
RIGHT-OF-WAY TO BE ACQUIRED:

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_ROW04_ROW06_RIGHT OF WAY.DWG

OWNERSHIP							
ACQUISITION PARCEL NO	ASSESSOR PARCEL NO	OWNER	TOTAL AREA SQ. FT.	FEE ACQ. SQ. FT.	REMAINDER SQ. FT.	PERMANENT EASEMENT SQ. FT.	TEMP. CONST. ESMT (TCE) SQ. FT.
18	192366000	PERU SHELLEY & PERU RAYNA	439,520	8,546	430,974		
23	194083005	LML VENTURES LLC	120,226	3,231	116,995		
24	91103185	BATTLE GROUND HEALTHCARE	20,473	0			
25	194063000	MEISNER JERRY 1/2 INT	649,044	1,170	647,874		



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

RIGHT OF WAY PLAN
STA 98+00 TO STA 102+00

REVISIONS:	

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

RW05

NO. 25 OF X



RIGHT OF WAY PLAN
STA 102+00 TO STA 110+00

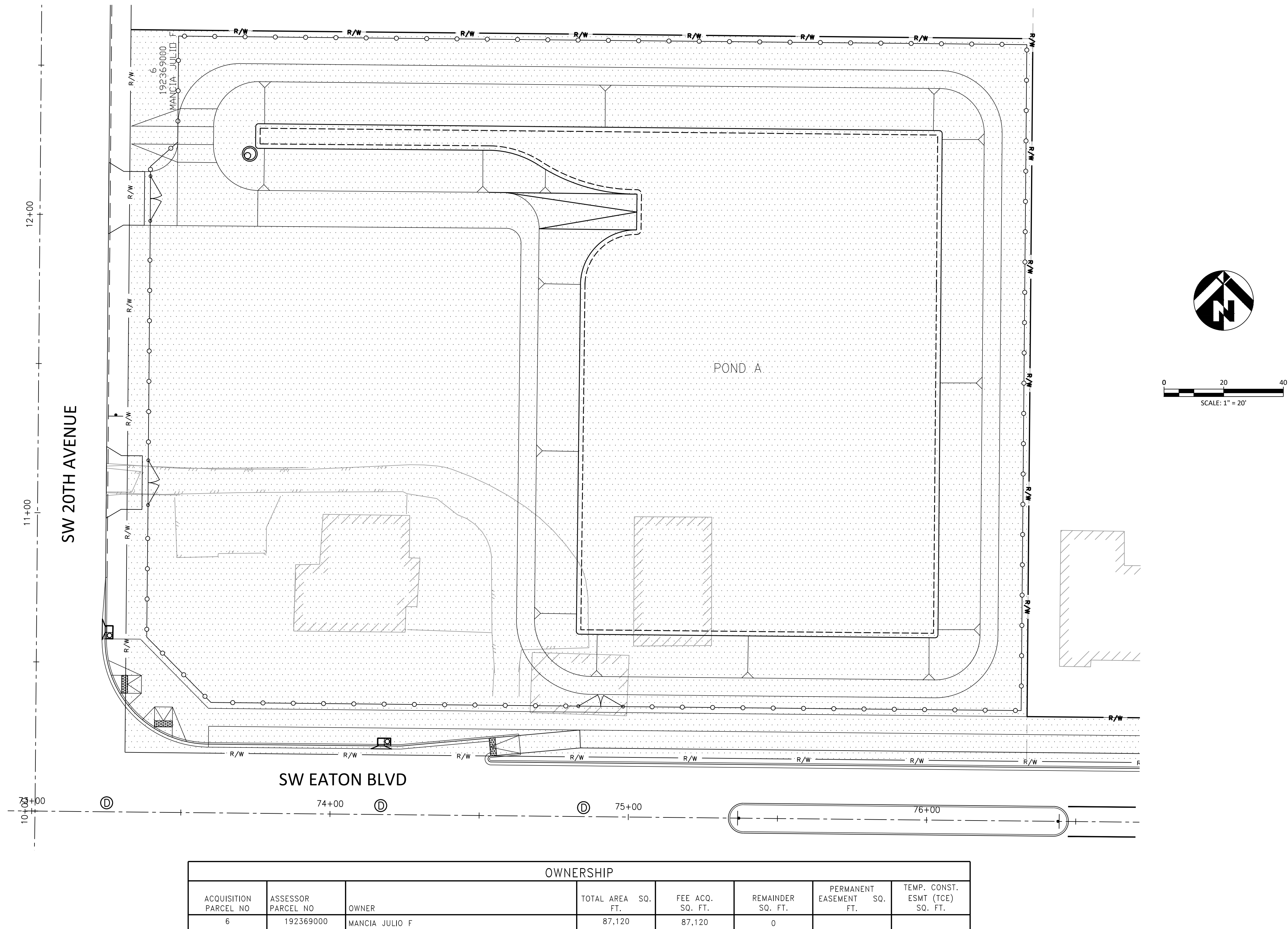
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

RW06

NO. 26 OF X



FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_ROW07_ROW10_RIGHT OF WAY.DWG



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

RIGHT OF WAY PLAN
POND A

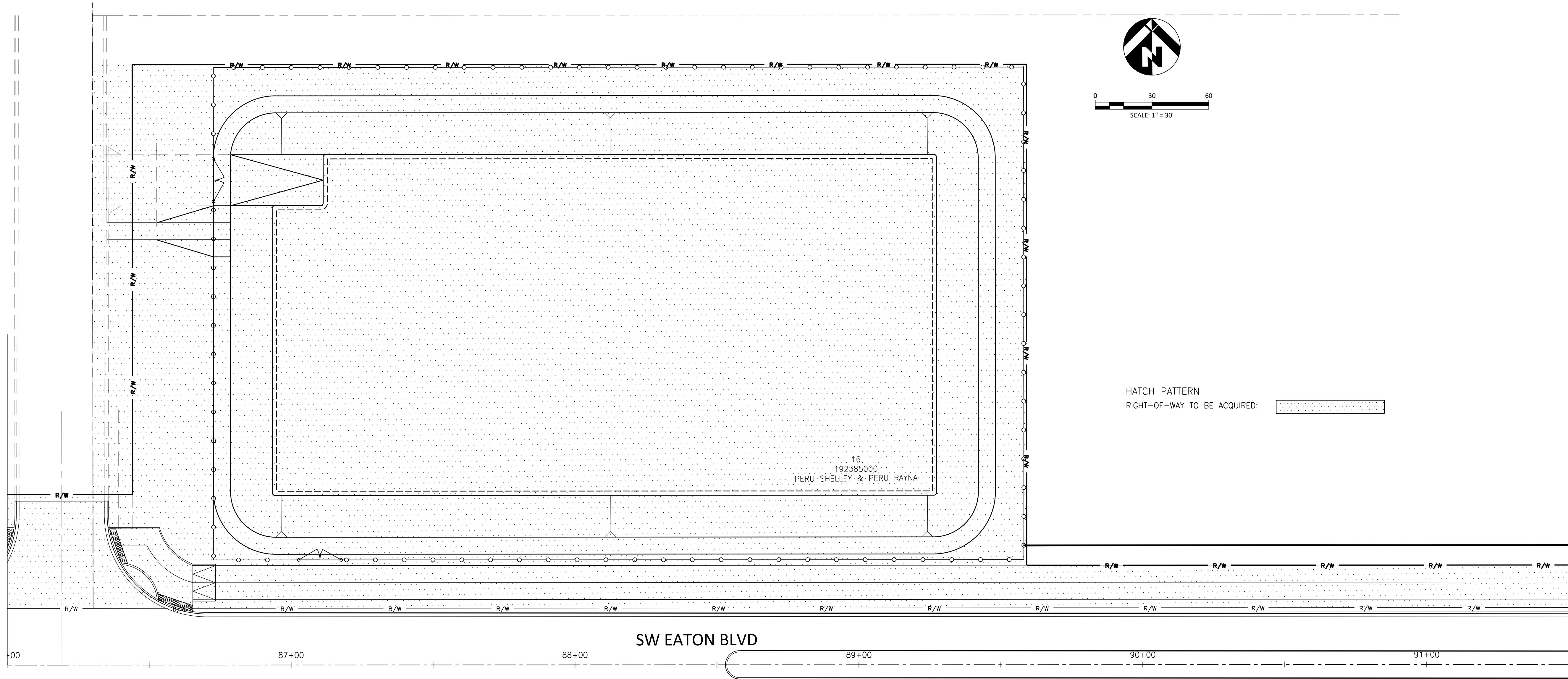
REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

RW07

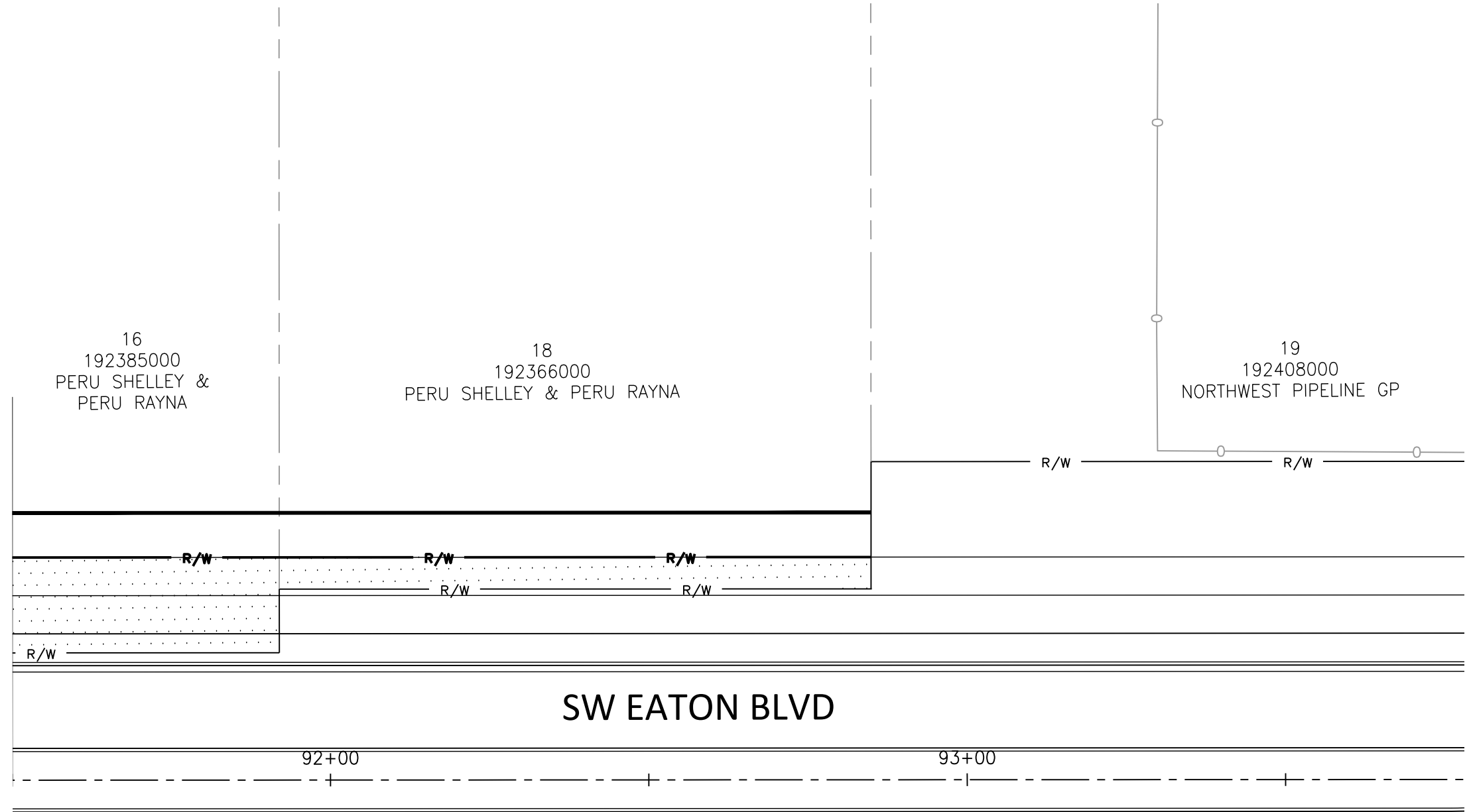
FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_ROW11_ROW12_RIGHT OF WAY.DWG



MATCH LINE STA. 91+50 SEE BELOW LEFT

SEE SHEET RW03 AND RW04 FOR CONTINUATION

MATCH LINE STA. 91+50 SEE ABOVE RIGHT



OWNERSHIP								
ACQUISITION PARCEL NO	ASSESSOR PARCEL NO	OWNER	Of no value on construction plans			INDER FT.	PERMANENT EASEMENT FT.	SO. TEMP. CONST. ESMT (TCE) SQ. FT.
18	192366000	PERU SHELLEY & PERU				,055		
16	192385000	PERU SHELLEY & PERU RAYNA	115,434	66,444	48,990			

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

RIGHT OF WAY PLAN
POND B

REVISIONS:

JOB NO.:

17499

DATE:

12/15/2021

SCALE:

1" = 30'

DESIGNED BY:

DRAWN BY:

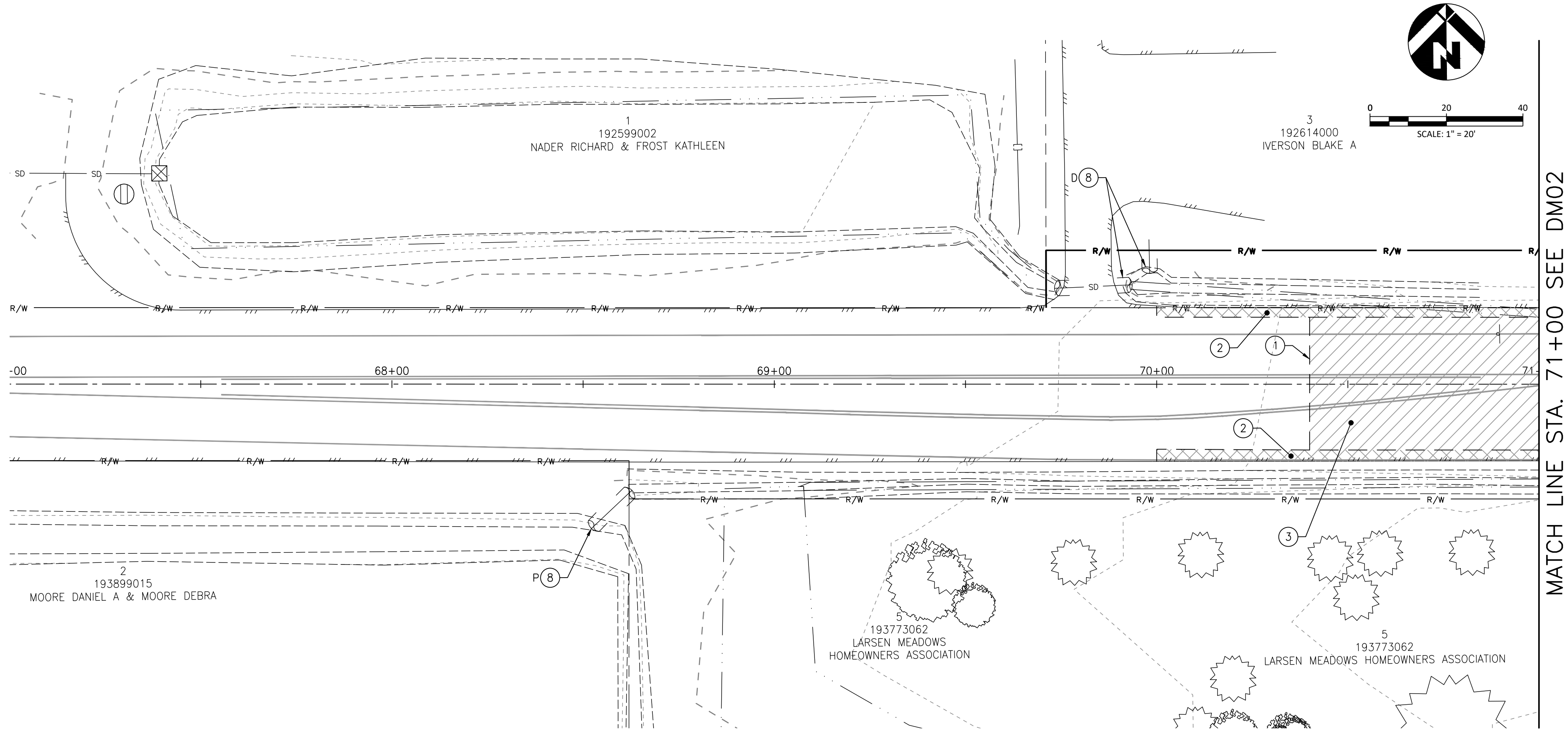
CHECKED BY:

ME

60% SUBMITTAL

RW08





GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

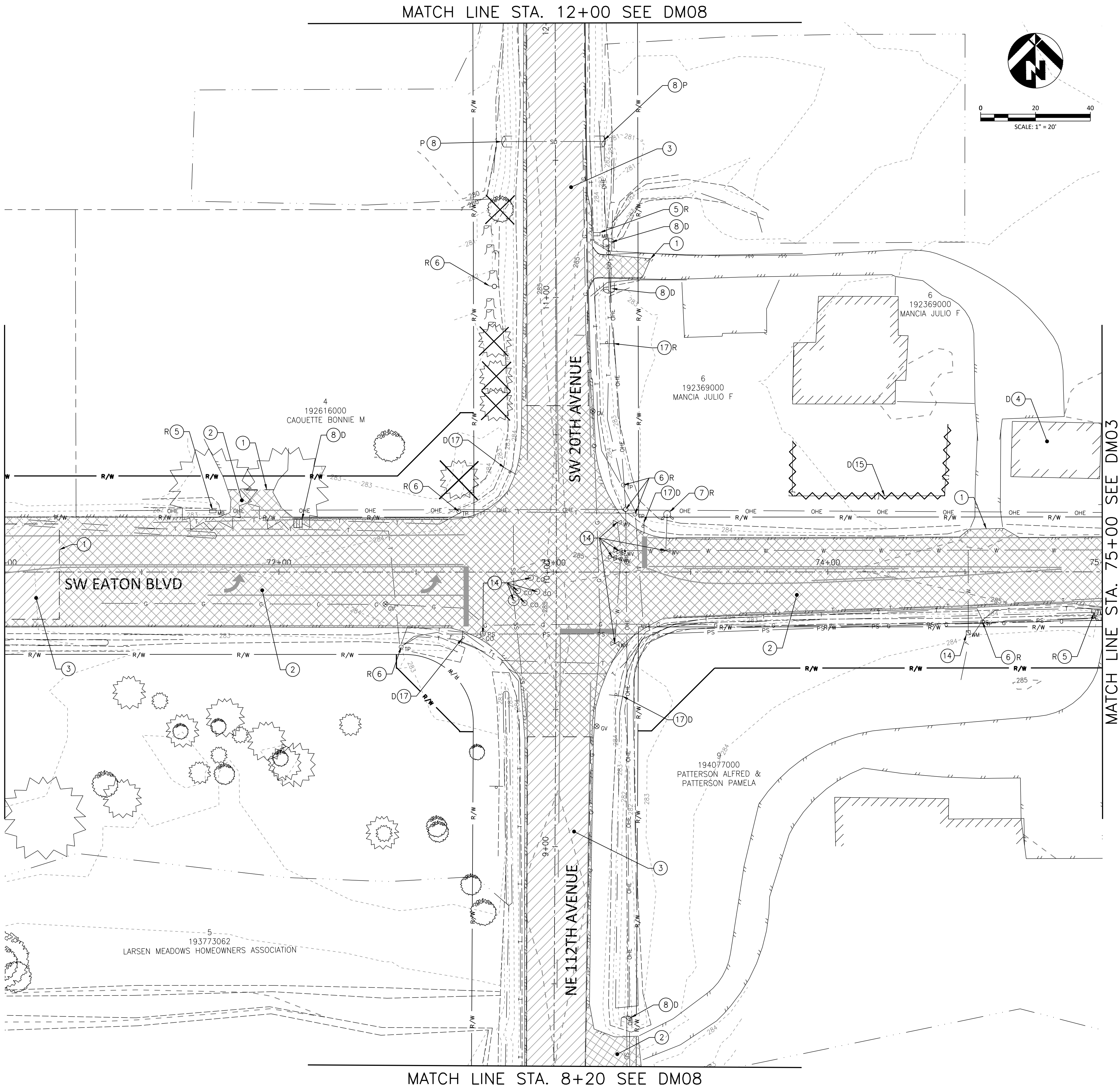
DEMOLITION PLAN
STA 67+00 TO STA 71+00

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

DM01

MATCH LINE STA. 71+00 SEE SHEET DM01



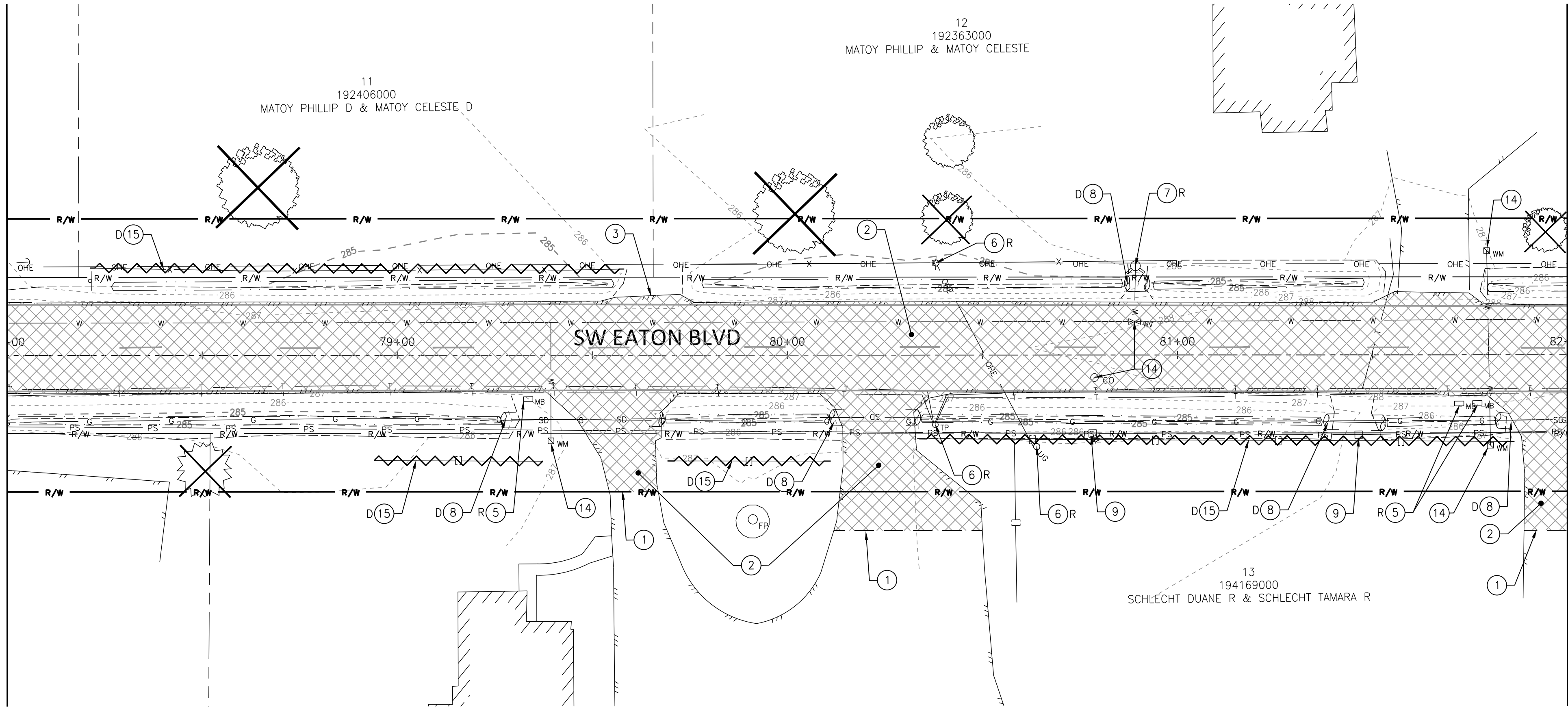
GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

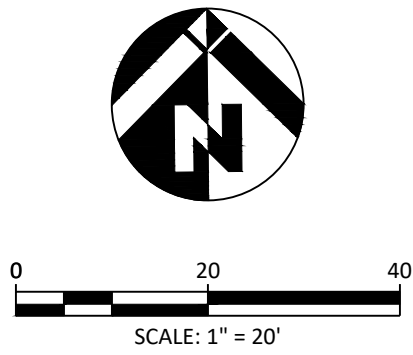
DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

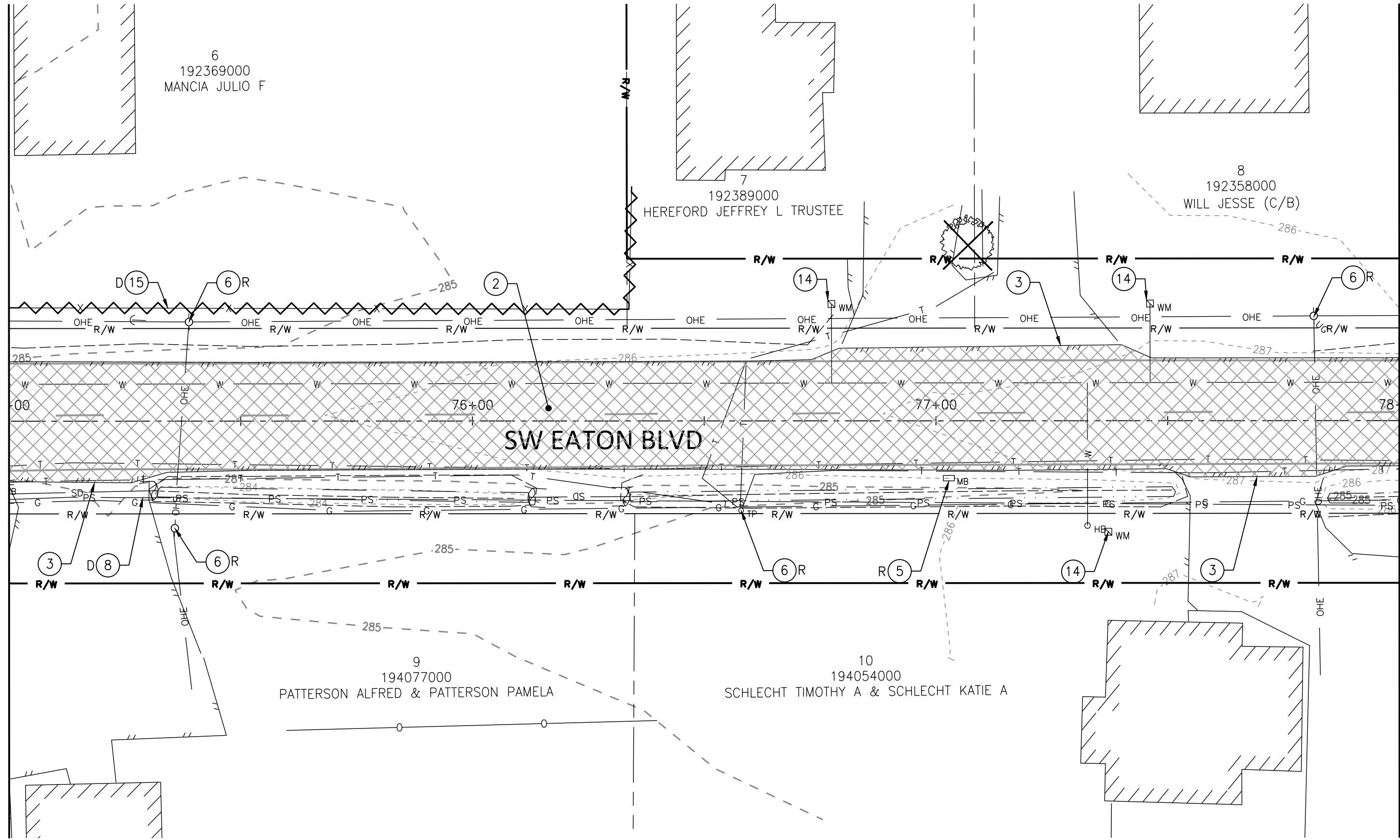
MATCH LINE STA. 78+00 SEE ABOVE RIGHT



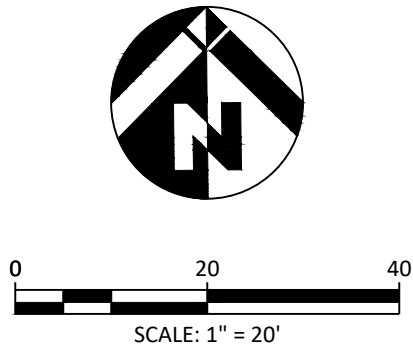
MATCH LINE STA. 82+00 SEE SHEET DM04



MATCH LINE STA. 75+00 SEE SHEET DM02



MATCH LINE STA. 78+00 SEE BELOW LEFT



GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
STA 75+00 TO 82+00

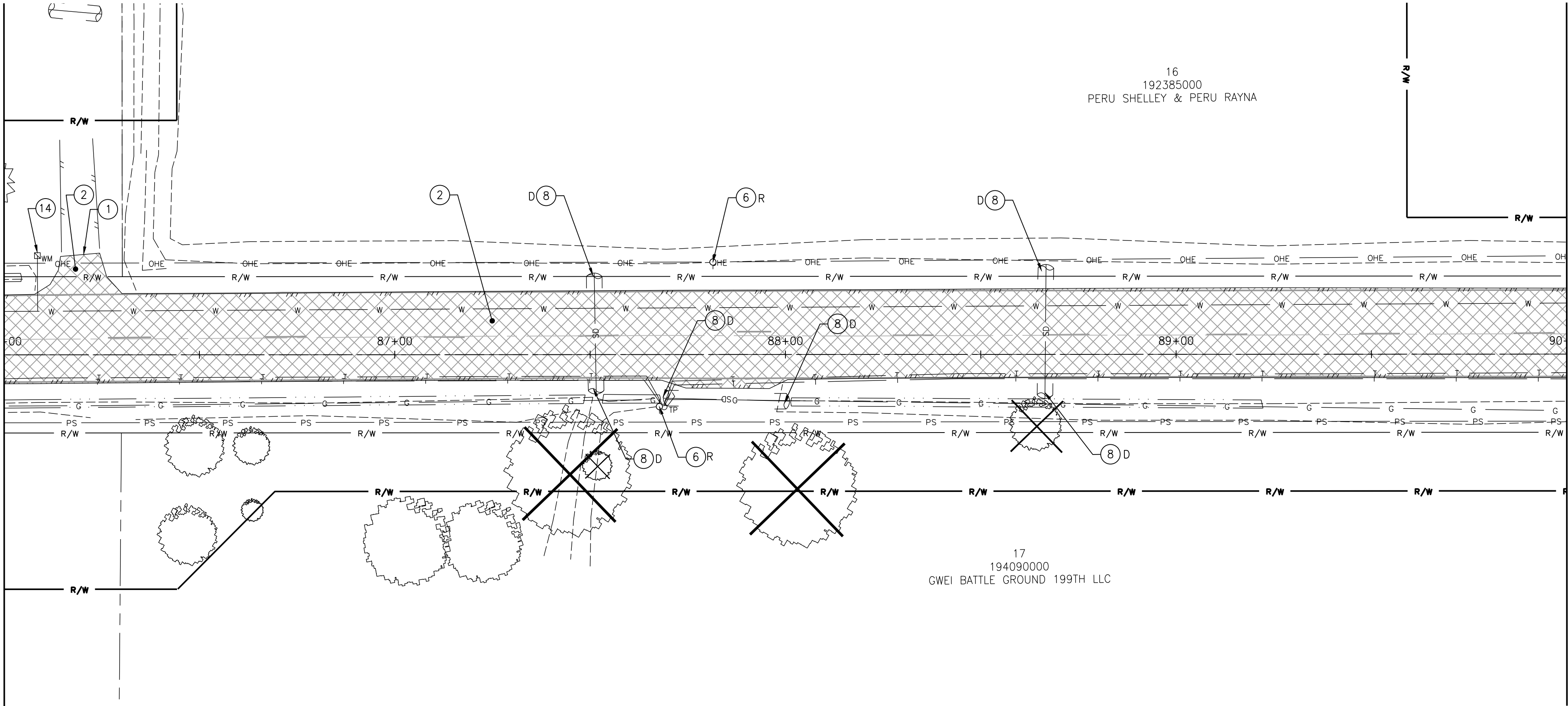
REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

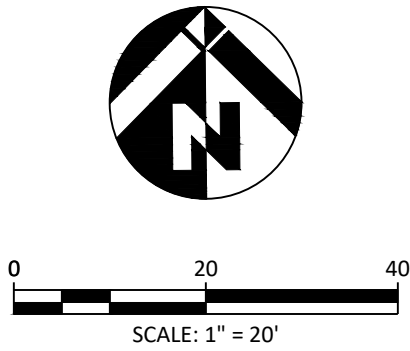
DM03

NO. 35 OF X

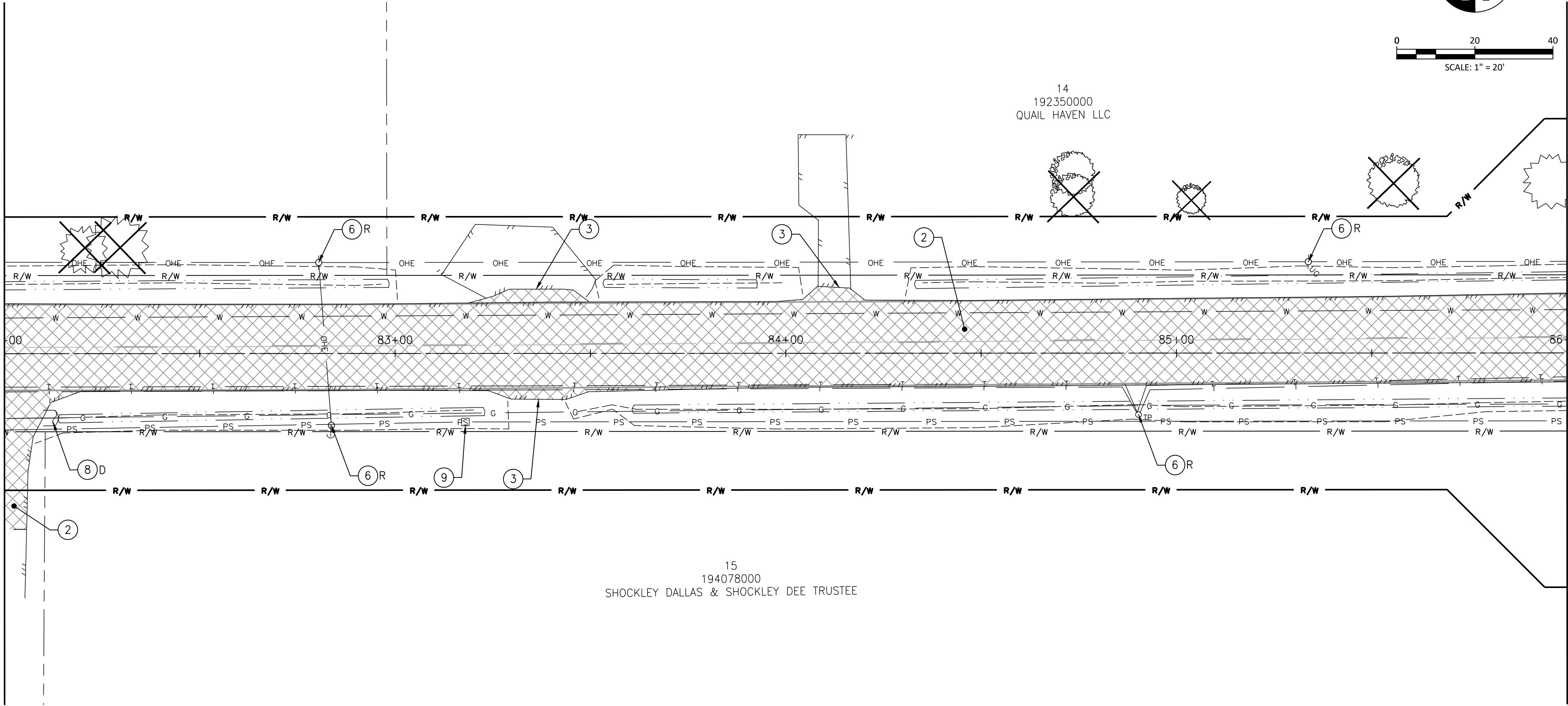
MATCH LINE STA. 86+00 SEE ABOVE RIGHT



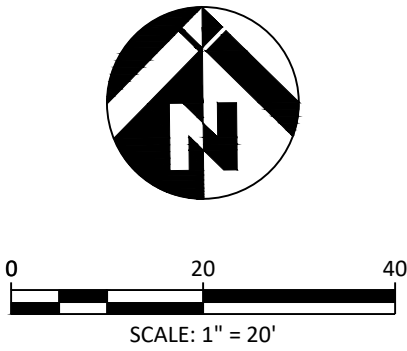
MATCH LINE STA. 90+00 SEE SHEET DM05



MATCH LINE STA. 82+00 SEE SHEET DM03



MATCH LINE STA. 86+00 SEE BELOW LEFT



GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
STA 82+00 TO STA 90+00

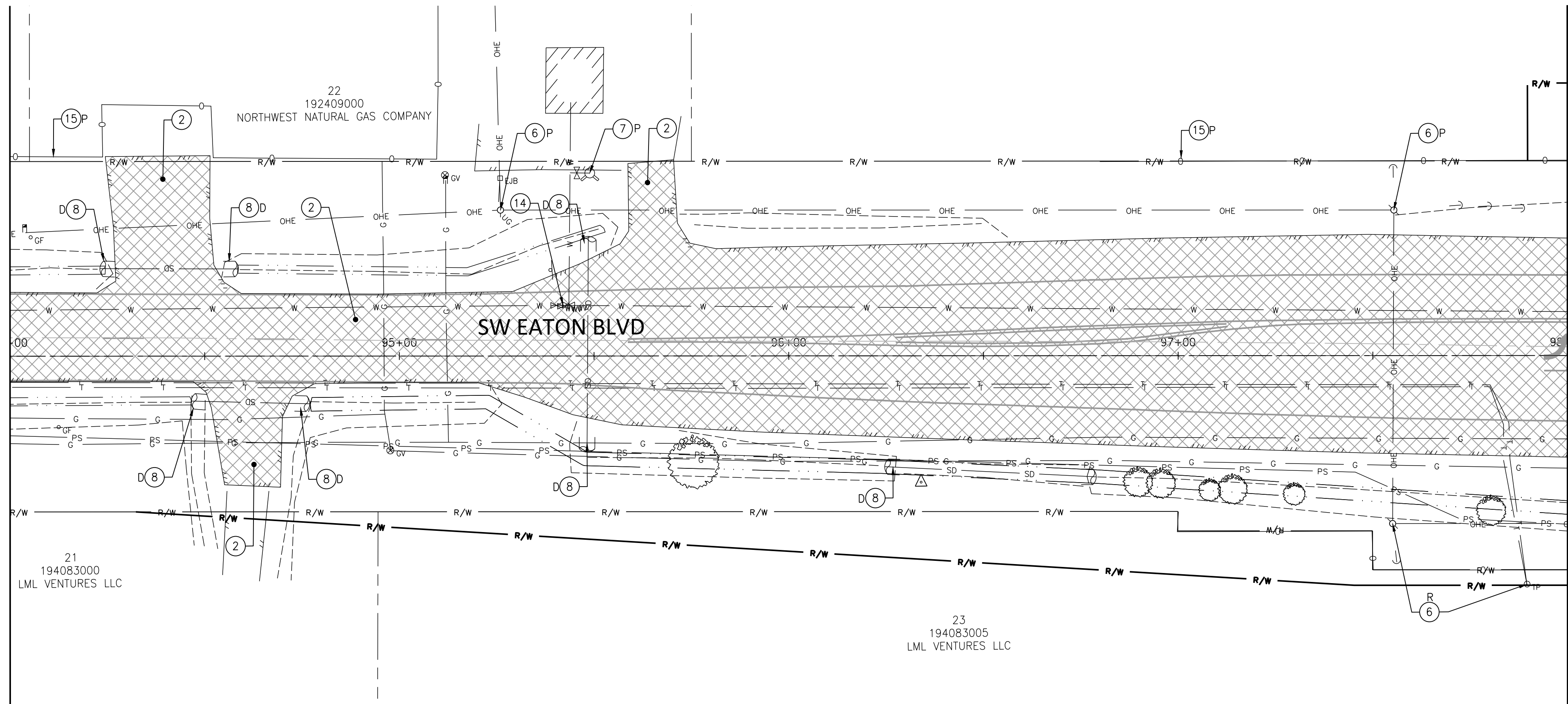
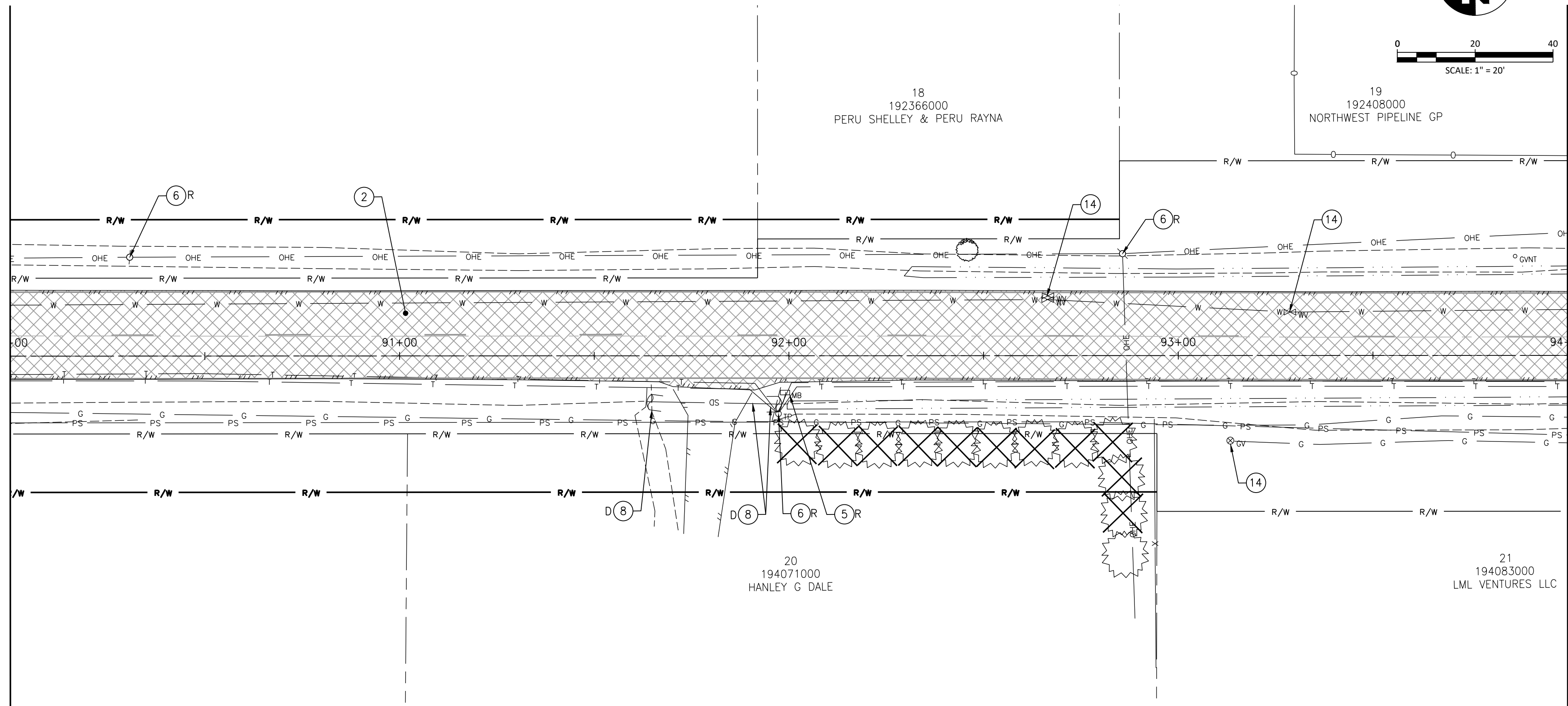


REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

DM04

MATCH LINE STA. 94+00 SEE ABOVE RIGHT

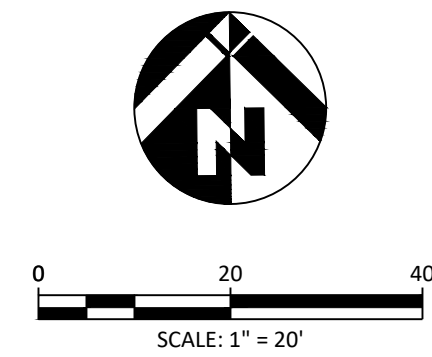


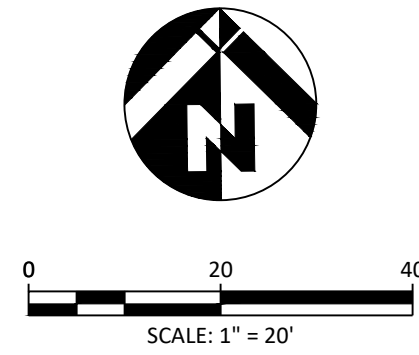
GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.





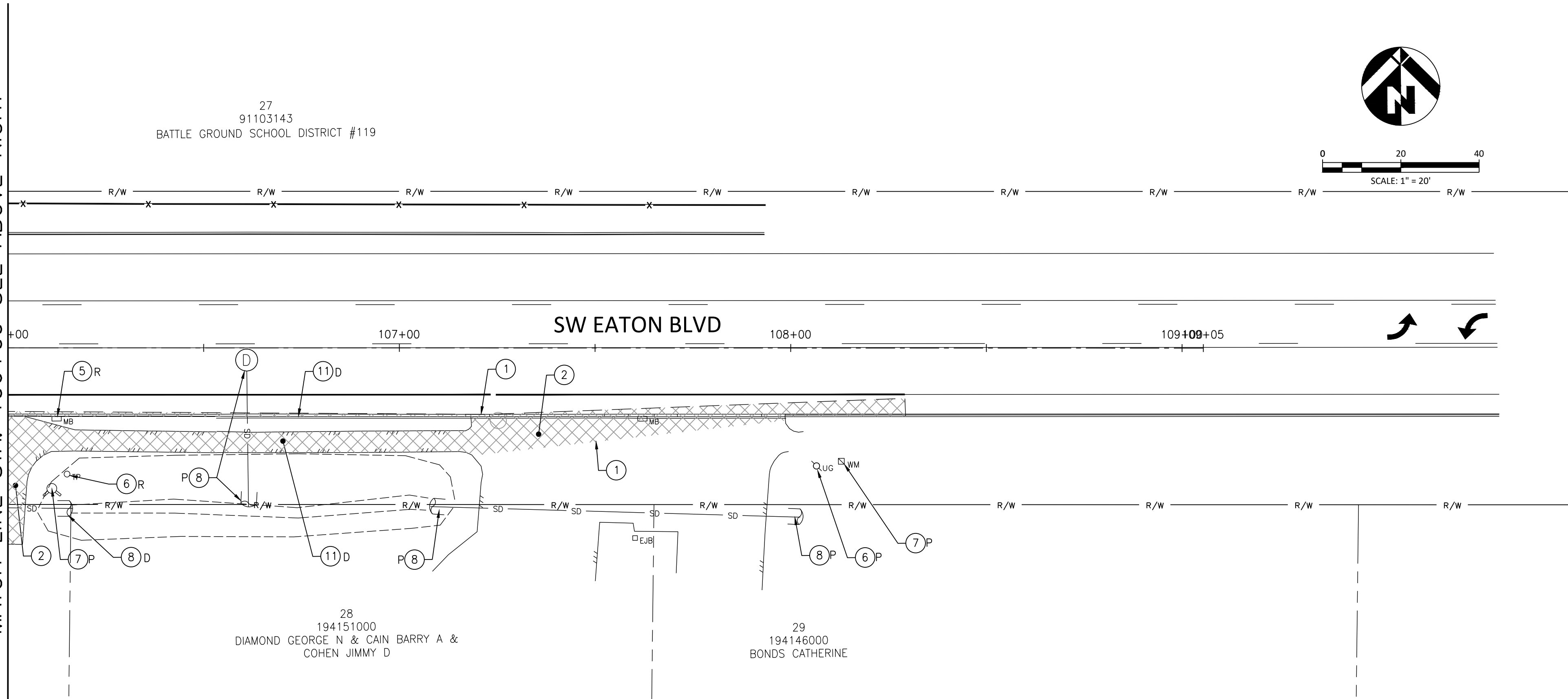
- ① SAWCUT EXIST. A.C. PAVEMENT.
- ② REMOVE EXIST. A.C. PAVEMENT.
- ③ GRIND EXIST. A.C. PAVEMENT.
- ④ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- ⑤ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- ⑥ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- ⑦ RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- ⑧ RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- ⑨ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- ⑩ NOT USED
- ⑪ DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- ⑫ MATCH EXISTING ASPHALT GRADE.
- ⑬ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- ⑭ ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- ⑮ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- ⑯ REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- ⑰ RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

There needs to be some sort of staging plans in the contract that WSDOT can agree to before going to ad with the project
Cannot just let the contractor bid on it any way they want to.

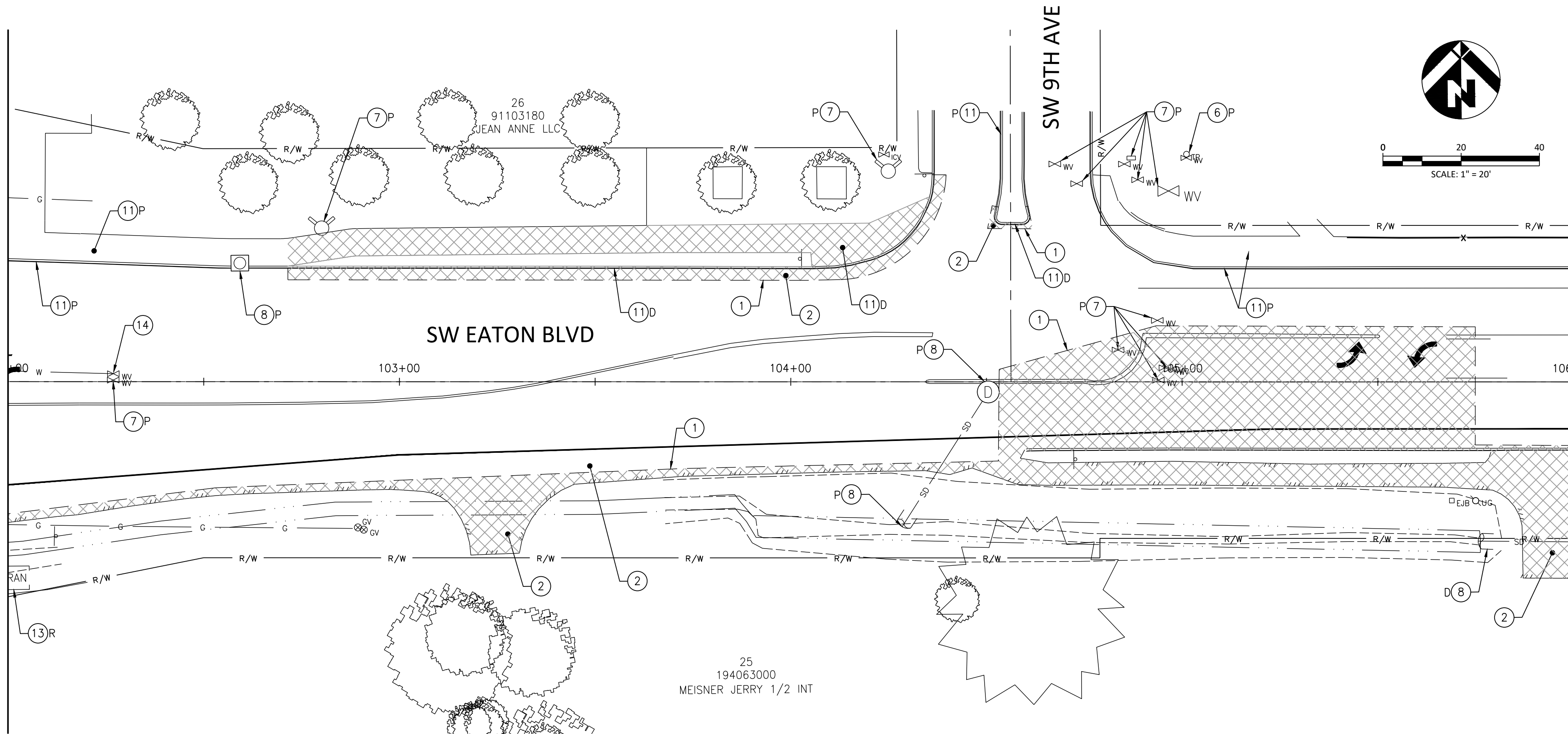


FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_DEM07_DEM10_DEMO PLAN.DWG

MATCH LINE STA. 106+00 SEE ABOVE RIGHT



MATCH LINE STA. 102+00 SEE SHEET DM06



GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
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- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
STA 102 + 00 TO

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

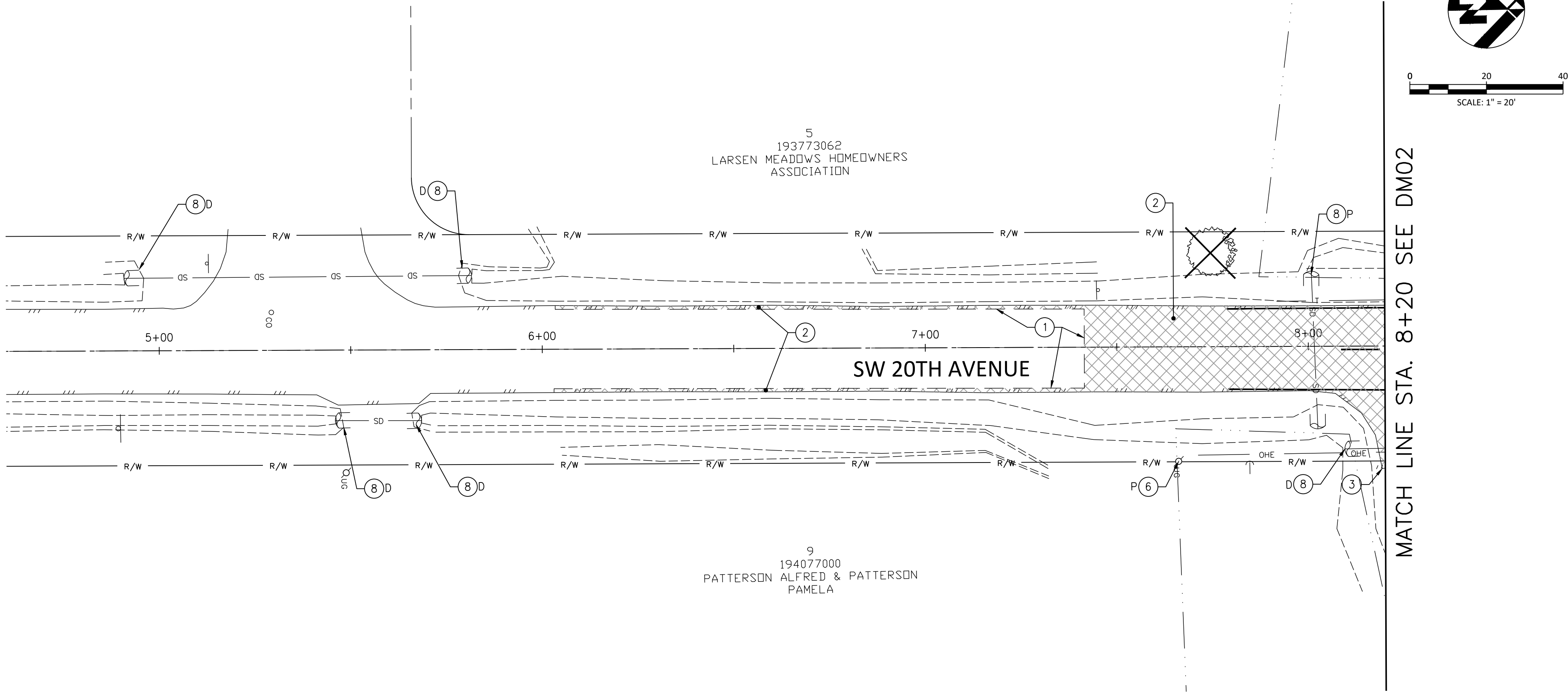
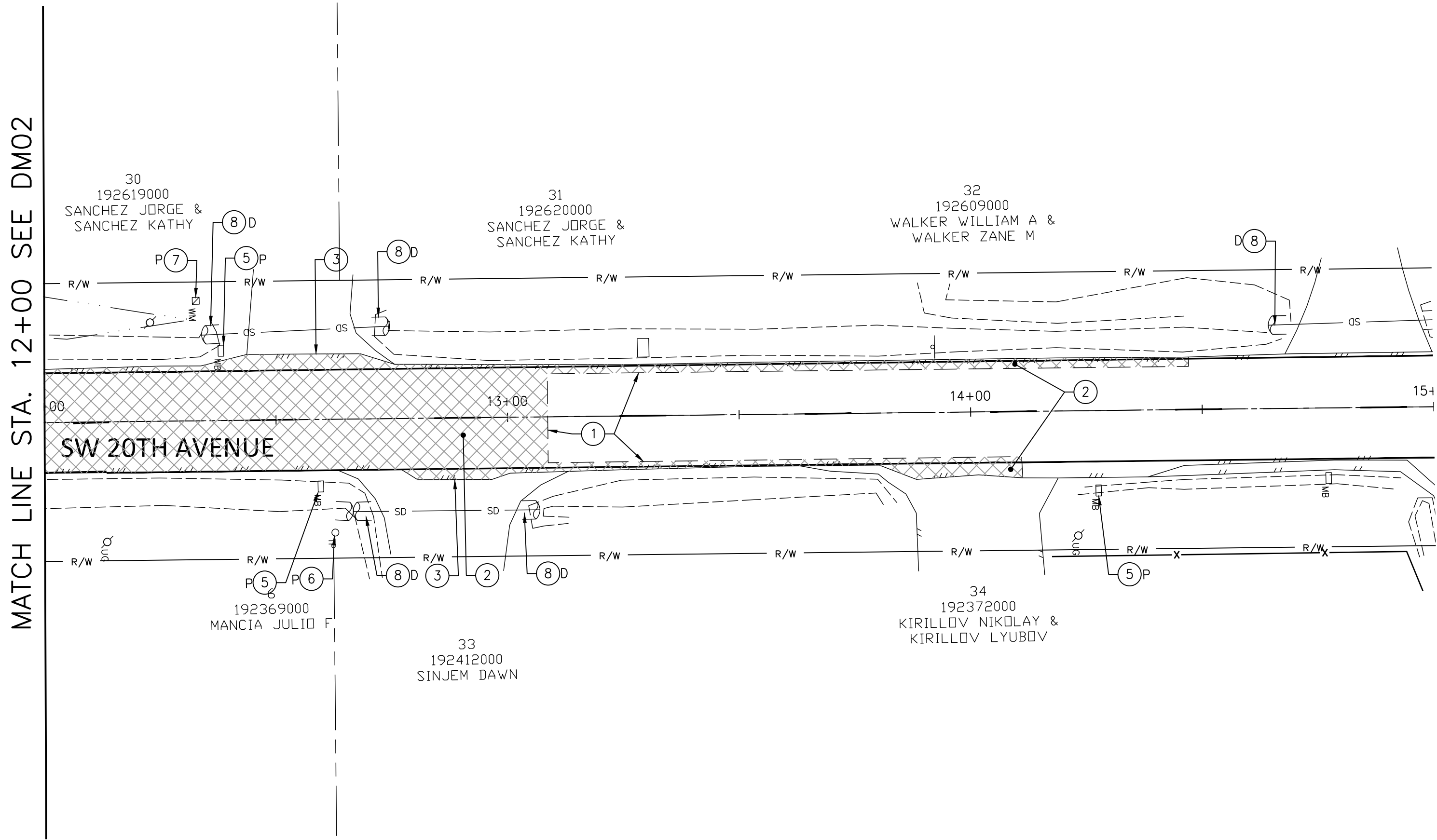
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DM07

NO. 39 OF X



FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_DEM07_DEM10_DEMO PLAN.DWG



GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
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- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
SW 20TH - STA 4+60 TO STA 15+00

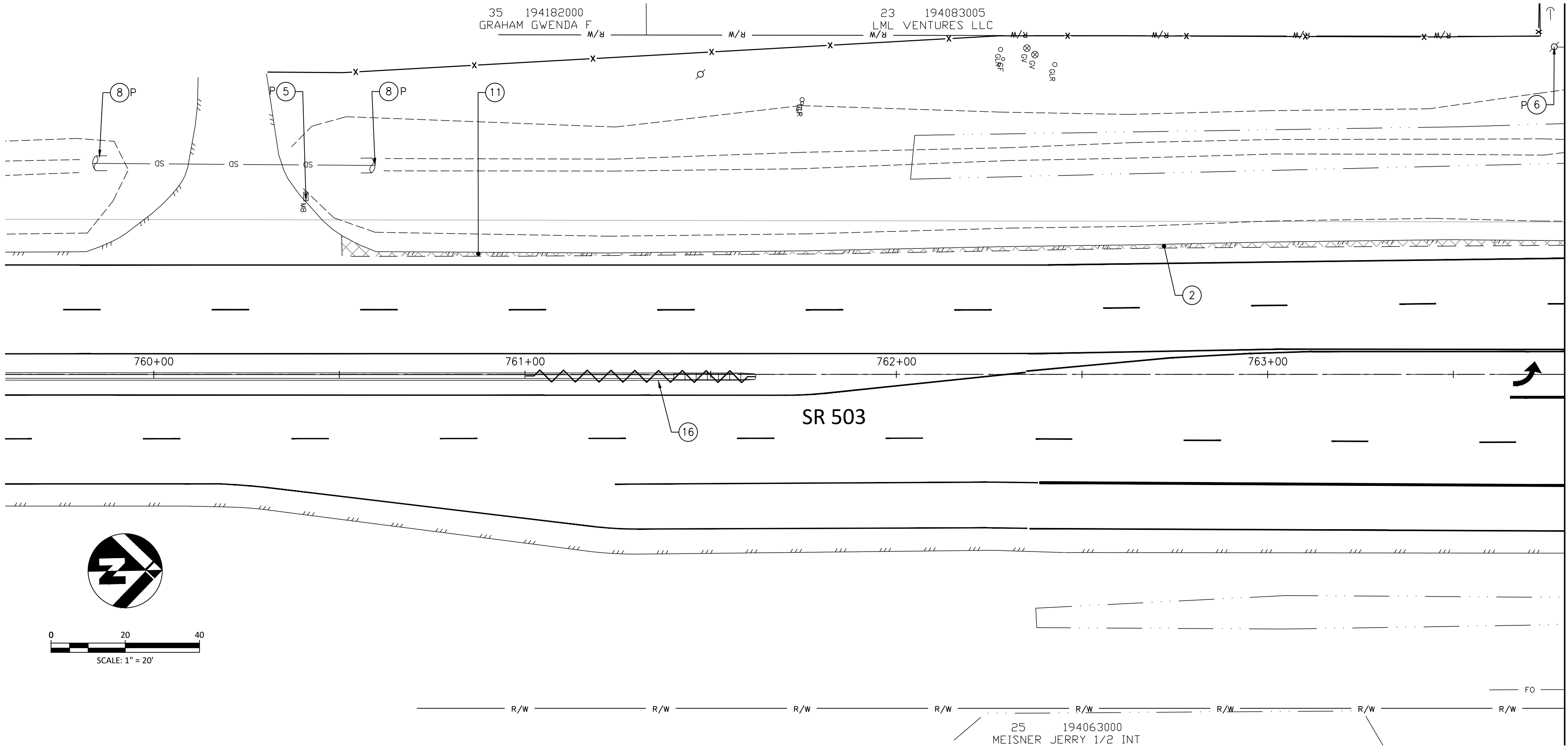
REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
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CHECKED BY:	ME

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DM08

NO. 40 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_DEM07_DEM10_DEMO PLAN.DWG



GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
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- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
SR 503 - STA 759+60 TO STA 763+80

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

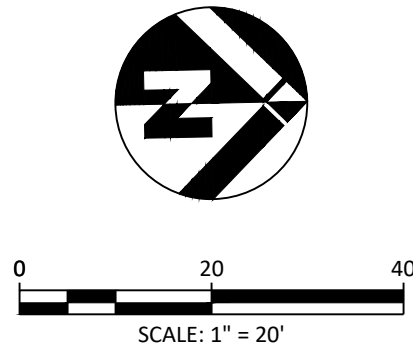
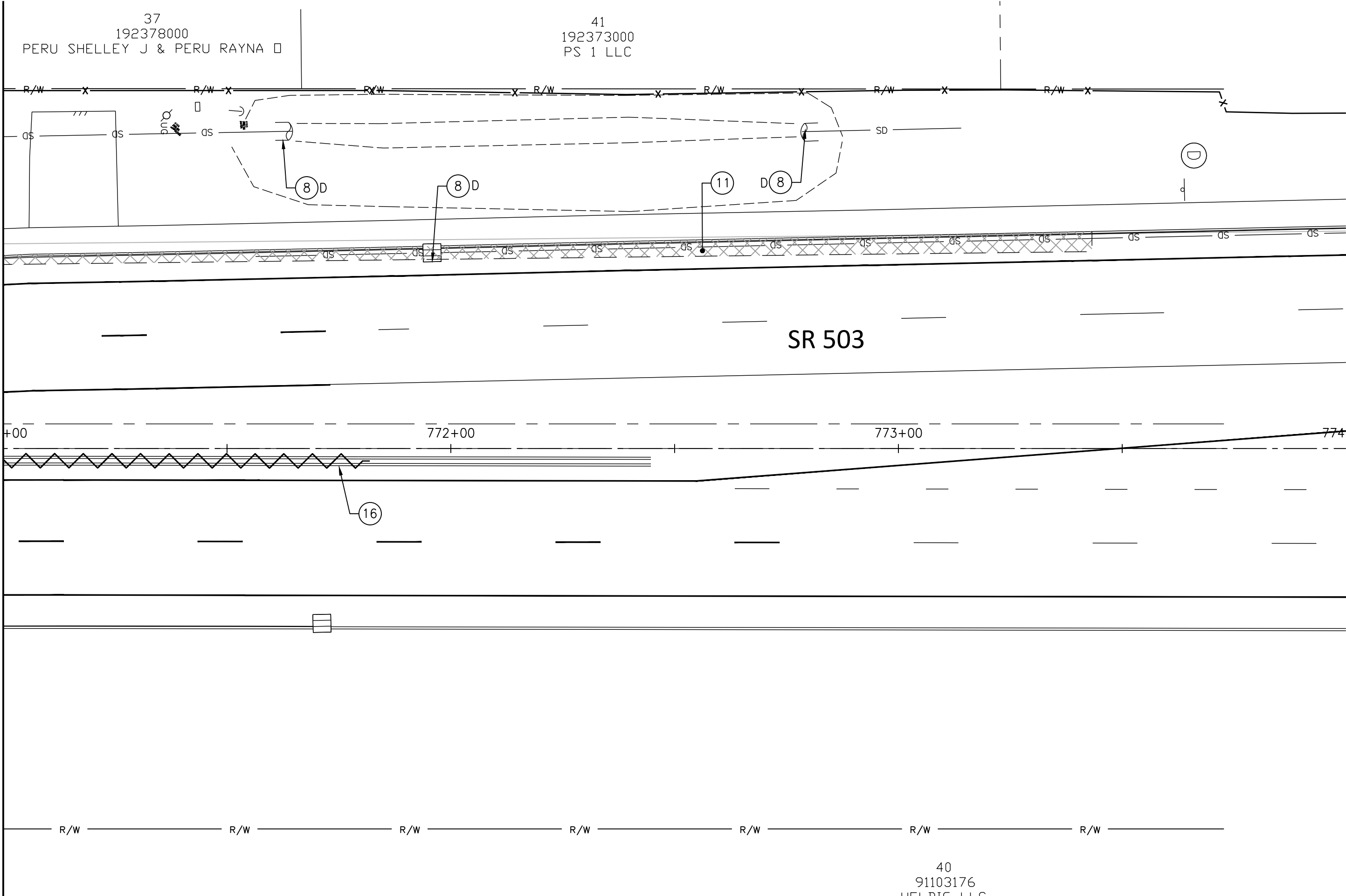
DM09

NO. 41 OF X

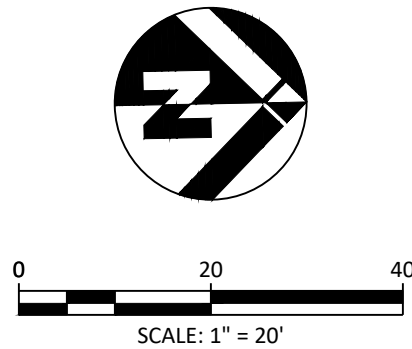
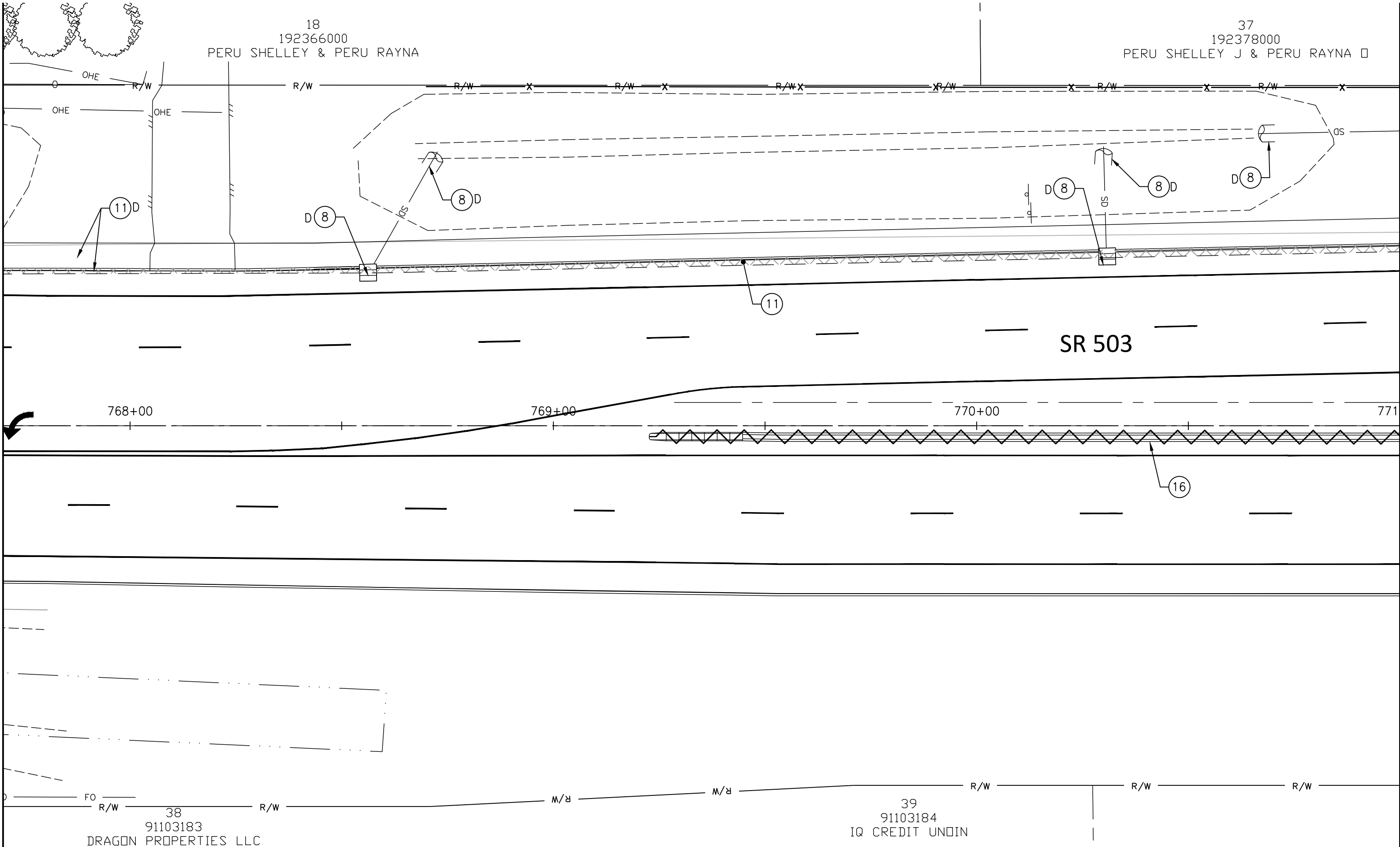


FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_DEM07_DEM10_DEMO PLAN.DWG

MATCH LINE STA. 771+00 SEE ABOVE RIGHT



MATCH LINE STA. 767+70 SEE SHEET DM06



MATCH LINE STA. 771+00 SEE BELOW LEFT

GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND

DEMOLITION NOTES

- 1 SAWCUT EXIST. A.C. PAVEMENT.
- 2 REMOVE EXIST. A.C. PAVEMENT.
- 3 GRIND EXIST. A.C. PAVEMENT.
- 4 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. BUILDING OR STRUCTURE
- 5 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. MAILBOX.
- 6 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. UTILITY POLE. COORDINATE WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 7 RELOCATE (R) OR PROTECT (P) EXIST. HYDRANT, WATER METER, OR VAULT.
- 8 RELOCATE (R), DEMO (D), ABANDON (A), OR PROTECT (P) EXIST. STRUCTURE OR PIPE.
- 9 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SEWER VAULT OR PUMP.
- 10 NOT USED
- 11 DEMO (D), OR PROTECT (P) EXIST. CONCRETE PAVEMENT, SIDEWALK, OR CURB
- 12 MATCH EXISTING ASPHALT GRADE.
- 13 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. POWER VAULT OR TRANSFORMER.
- 14 ADJUST TO FG. SEE STREET AND STORM PROFILE SHEETS.
- 15 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. FENCE.
- 16 REMOVE AND RELOCATED EXISTING PERMANENT BARRIER AND ATTENUATOR.
- 17 RELOCATE (R), DEMO (D), OR PROTECT (P) EXIST. SIGN.

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

DEMOLITION PLAN
SR 503 - STA 767+60 TO STA 774+00

REVISIONS:

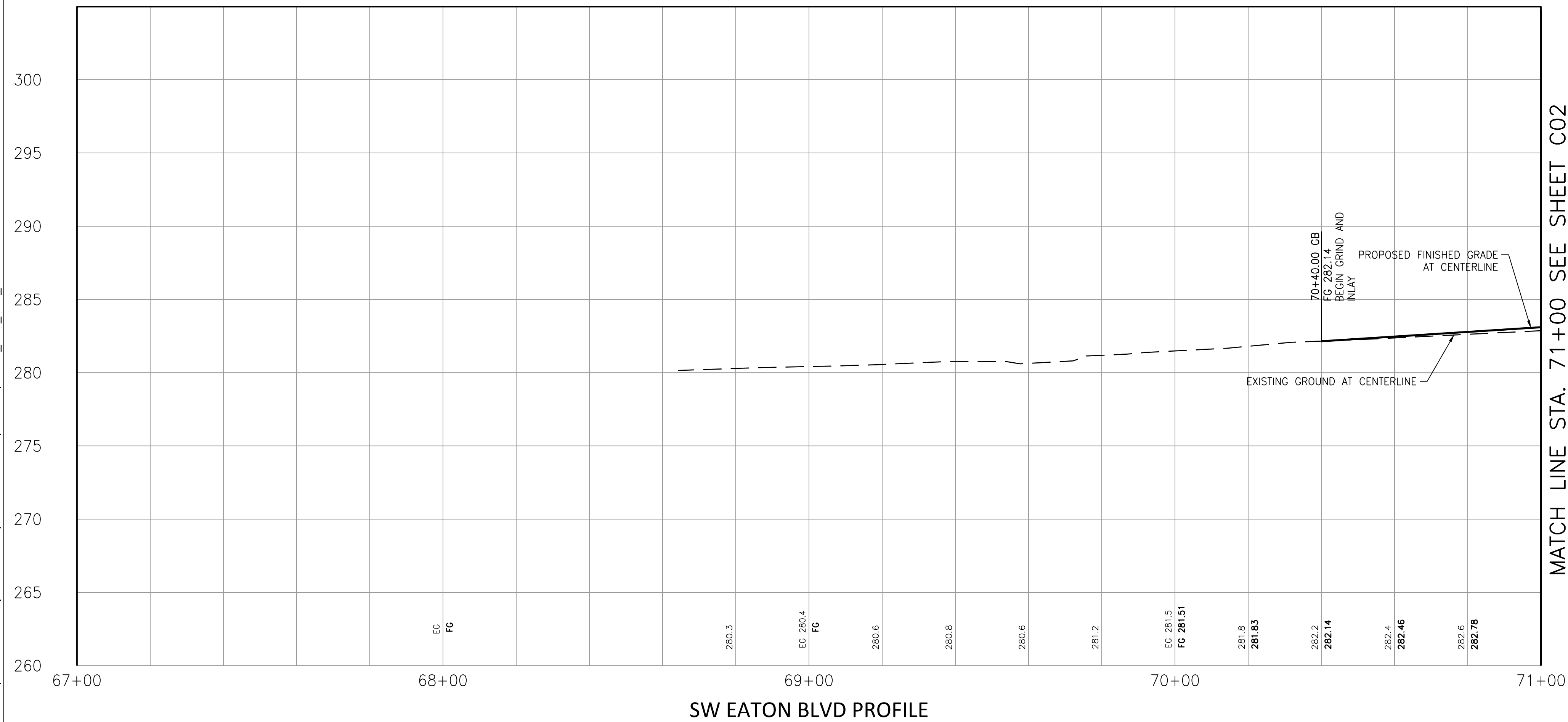
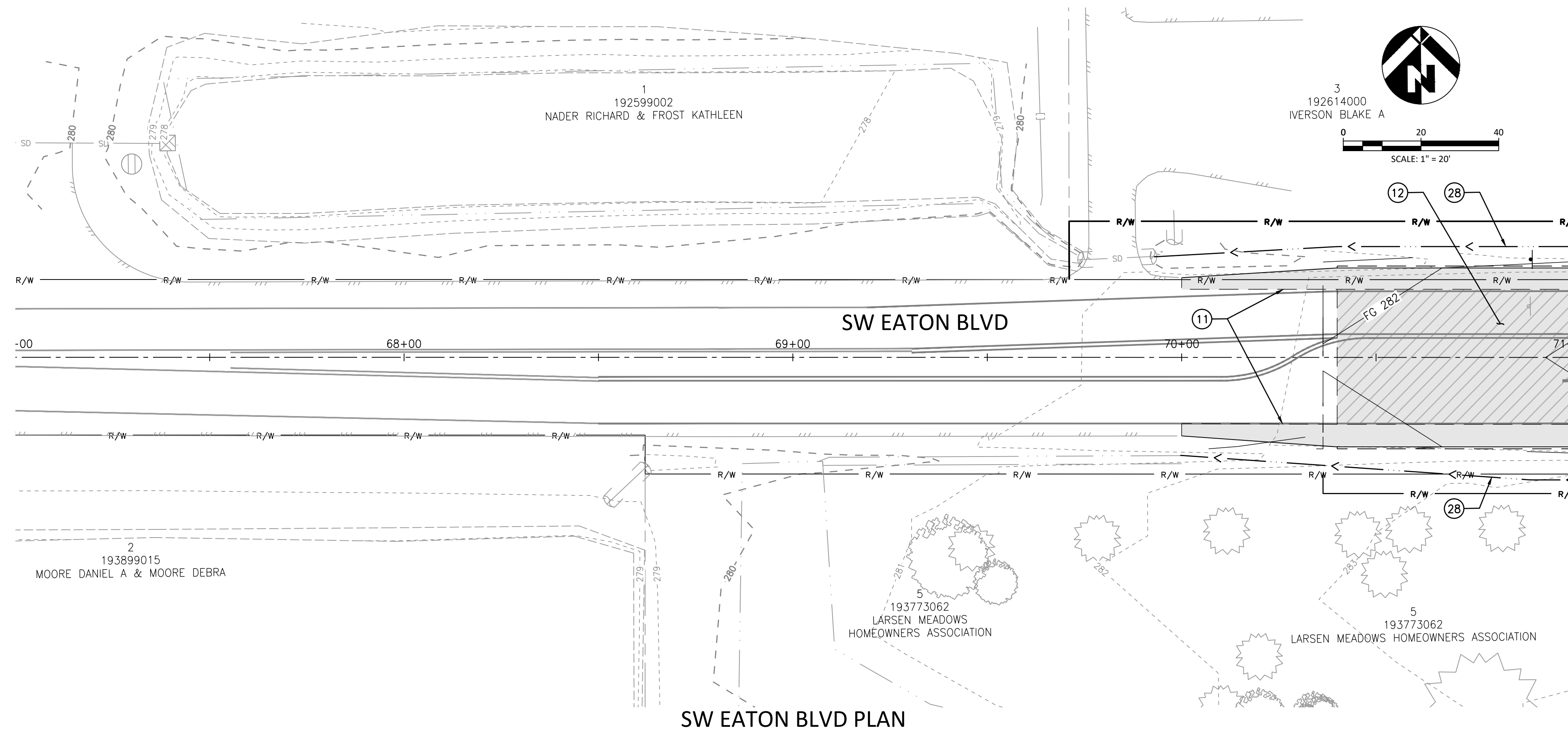
JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

60% SUBMITTAL

DM10

NO. 42 OF X





GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND,
AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

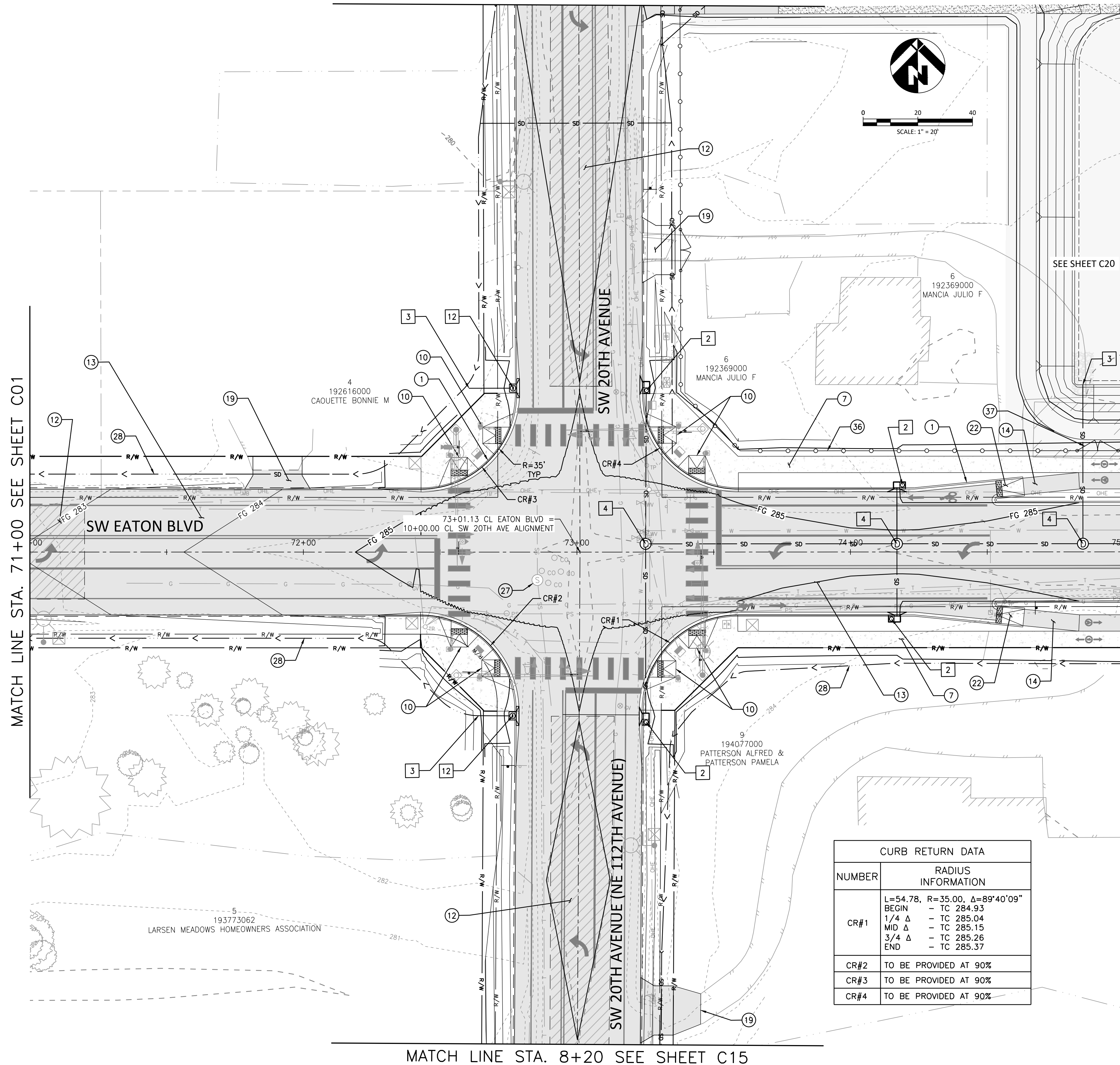
STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12 CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER
TYPICAL SECTION
- 13 CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14 CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15 CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON
ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17 MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES
CEMENT CONCRETE TRAFFIC CURB
- 18 MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19 CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20 INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21 RELOCATE EXIST. FIRE HYDRANT
- 22 INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27 ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29 END CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II
ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL
F-10.12-04
- 33 CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34 CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1 WATER QUALITY FILTER MEDIA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3 INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03 (DATA WILL BE PROVIDED AT 90%)
- 5 INSTALL RIPRAP AT OUTLET
- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9 INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10 INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
- 11 INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

MATCH LINE STA. 12+00 SEE SHEET C16



CURB RETURN DATA	
NUMBER	RADIUS INFORMATION
CR#1	L=54.78, R=35.00, Δ=89°40'09" BEGIN – TC 284.93 1/4 Δ – TC 285.04 MID Δ – TC 285.15 3/4 Δ – TC 285.26 END – TC 285.37
CR#2	TO BE PROVIDED AT 90°
CR#3	TO BE PROVIDED AT 90°
CR#4	TO BE PROVIDED AT 90°

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND,
AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

1. CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
2. CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
3. CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
4. CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
5. CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
6. CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
7. CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
8. CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
9. CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
10. SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
11. CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER
TYPICAL SECTION
12. CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
13. CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
14. CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON
ENDS) PER WSDOT STANDARD PLAN F-10.64-03
15. MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES
CEMENT CONCRETE TRAFFIC CURB
16. MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
17. CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
18. INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
19. RELOCATE EXIST. FIRE HYDRANT
20. INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
21. ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
22. CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
23. CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR.
SEE DEMOLITION PLANS FOR LIMITS
24. ADJUST MANHOLE TO FG
25. CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
26. CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL
F-10.12-04
27. INSTALL CHAIN LINK FENCE PER DETAIL ST-8.00
28. INSTALL CHAIN LINK GATE PER DETAIL ST-8.00
29. SAWCUT EXISTING ASPHALT PAVEMENT

STORMWATER NOTES

- 1 WATER QUALITY FILTERRRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET
(DATA WILL BE PROVIDED AT 90%)
- 3 INSTALL BEVELED END SECTION PER DETAIL ST-6.05
(DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03
(DATA WILL BE PROVIDED AT 90%)
- 5 INSTALL RIPRAP AT OUTLET
- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9 INSTALL 24" STM CULVERT, L=205'
(DATA WILL BE PROVIDED AT 90%)
- 10 INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL
BE PROVIDED AT 90%)
- 11 INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE
PROVIDED AT 90%)
- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE
PROVIDED AT 90%)



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
SW EATON BLVD STA 71+00 TO 75+00

REVISIONS:

OB NO.: 17499

DATE: 12/15/2021

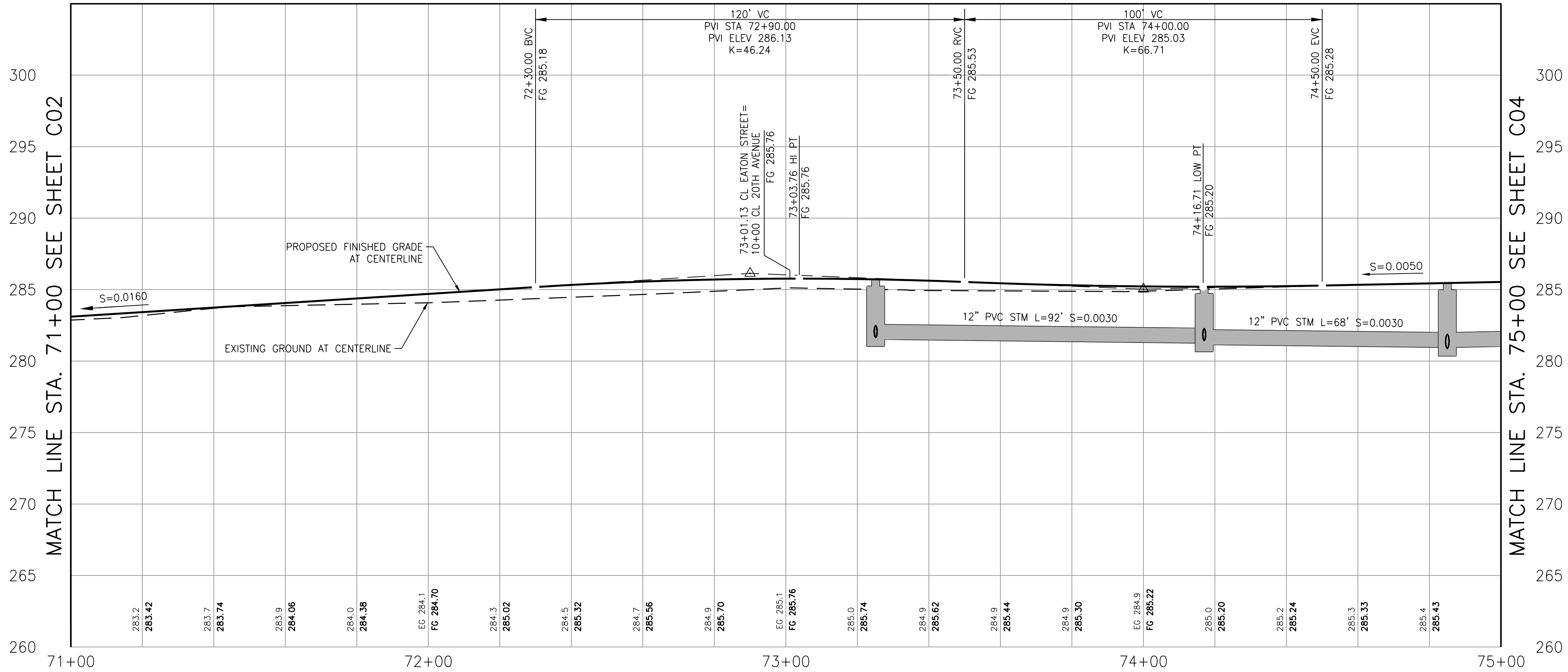
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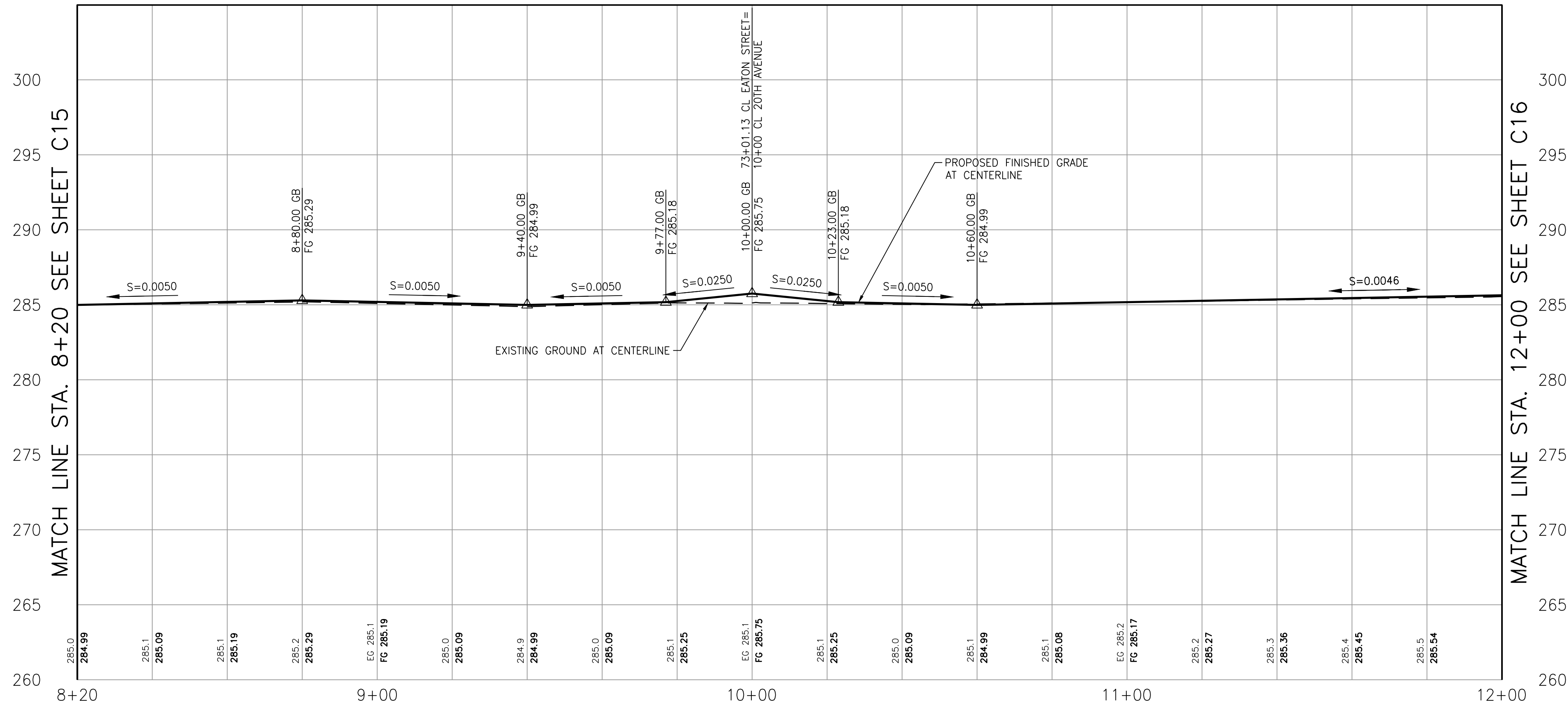
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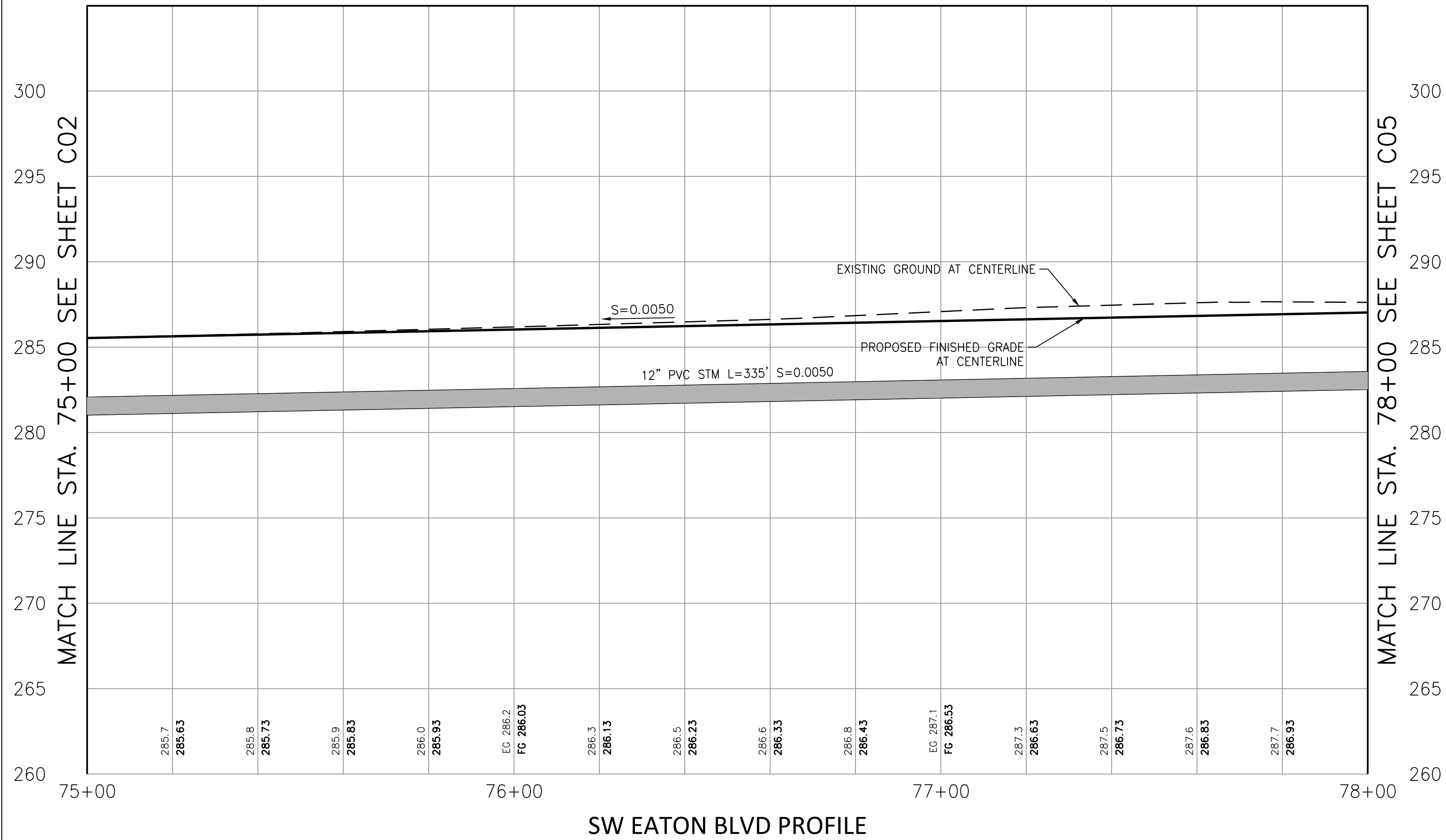
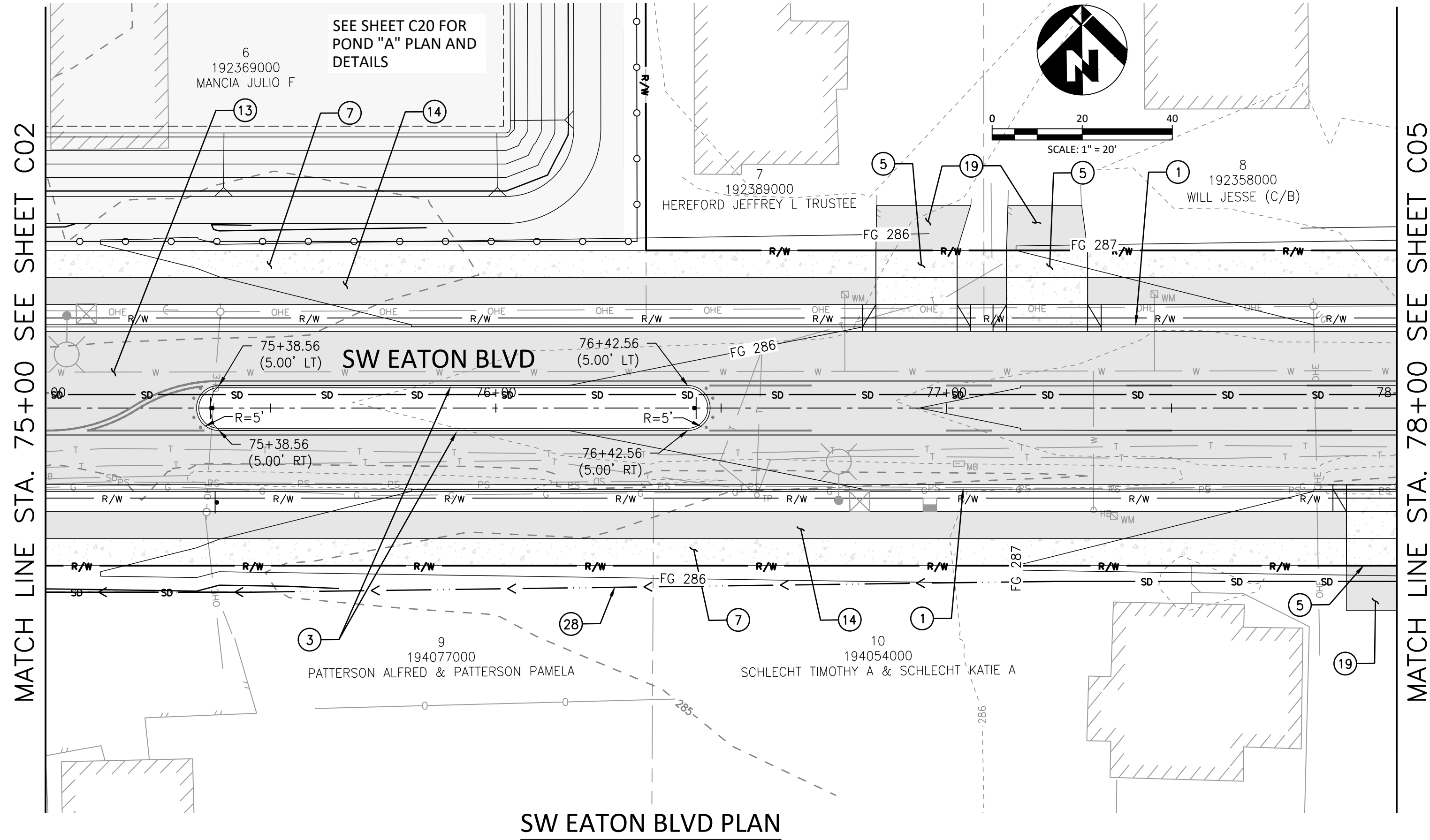


SW EATON BLVD PROFILE



SW 20TH AVE PROFILE

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_C01_C03_STREET PLAN AND PROFILE.DWG



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12 CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER TYPICAL SECTION
- 13 CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14 CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15 CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17 MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- 18 MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19 CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20 INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21 RELOCATE EXIST. FIRE HYDRANT
- 22 INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27 ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29 END CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- 35 INSTALL CHAIN LINK FENCE PER DETAIL ST-8.00
- 36 INSTALL CHAIN LINK GATE PER DETAIL ST-8.00

STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3 INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03 (DATA WILL BE PROVIDED AT 90%)
- 5 INSTALL RIPRAP AT OUTLET
- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9 INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10 INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
- 11 INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

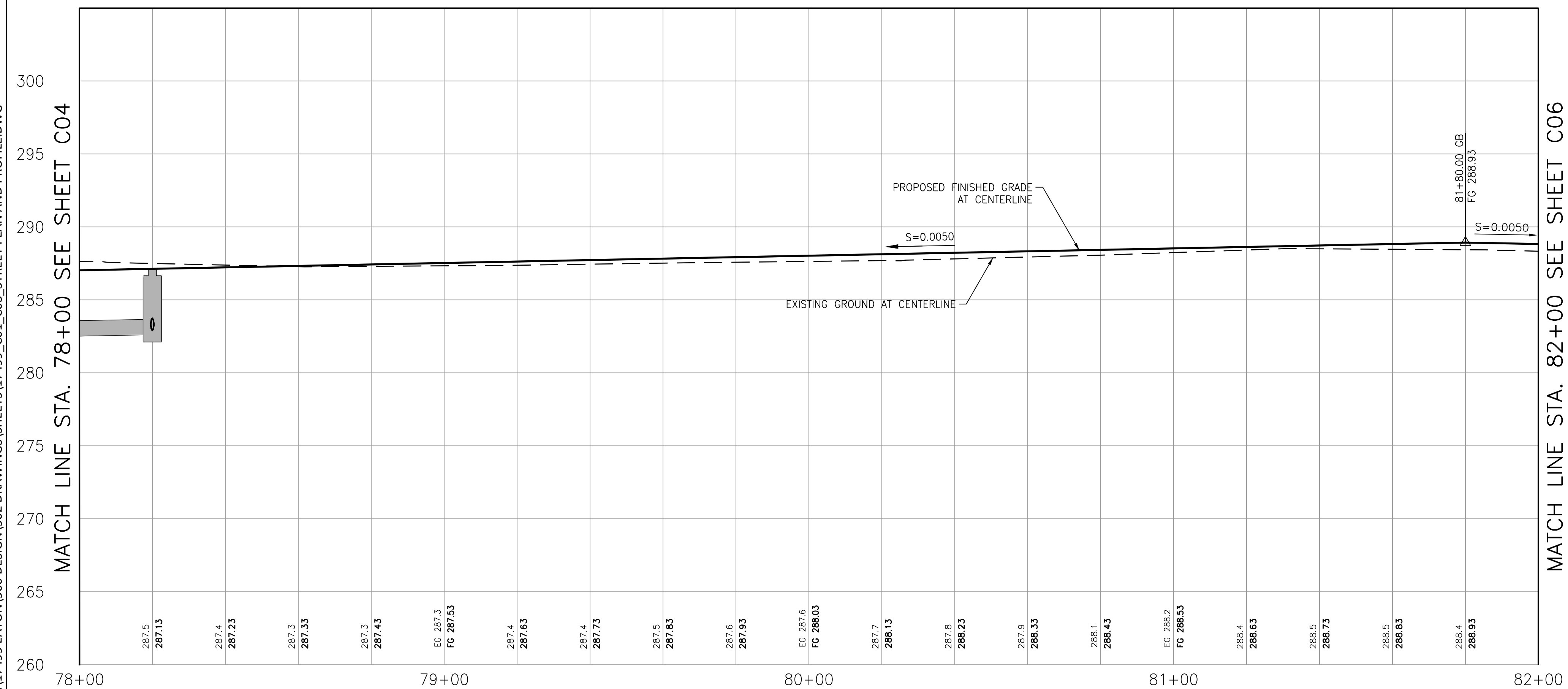
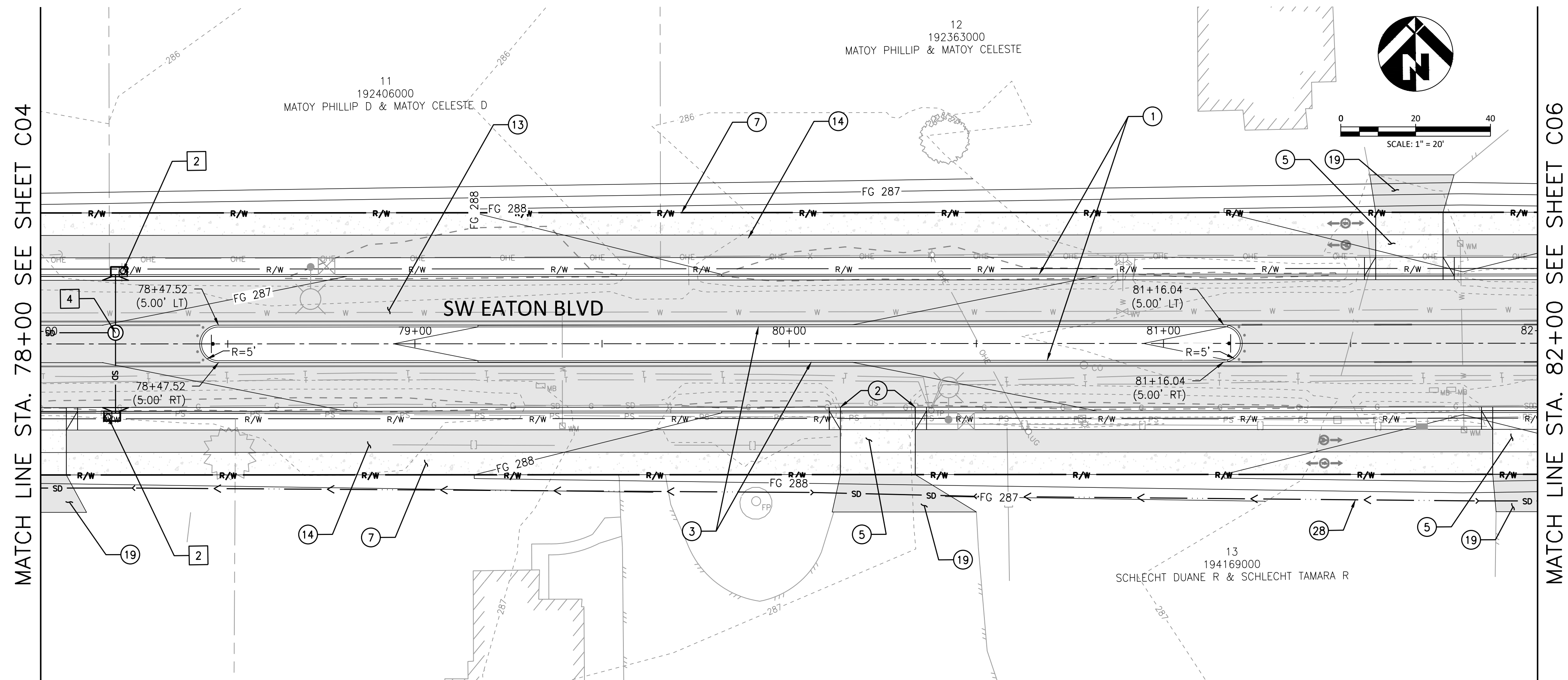
REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

60% SUBMITTAL

C04

NO. 46 OF X



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND,
AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12 CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER
TYPICAL SECTION
- 13 CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14 CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15 CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON
ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17 MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES
CEMENT CONCRETE TRAFFIC CURB
- 18 MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19 CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20 INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21 RELOCATE EXIST. FIRE HYDRANT
- 22 INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27 ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29 CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR.
SEE DEMOLITION PLANS FOR LIMITS
- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL
F-10.12-04
- 33 CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34 CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET
(DATA WILL BE PROVIDED AT 90%)
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(DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03
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- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
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- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE
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SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
SW EATON BLVD STA 78+00 TO 82+00

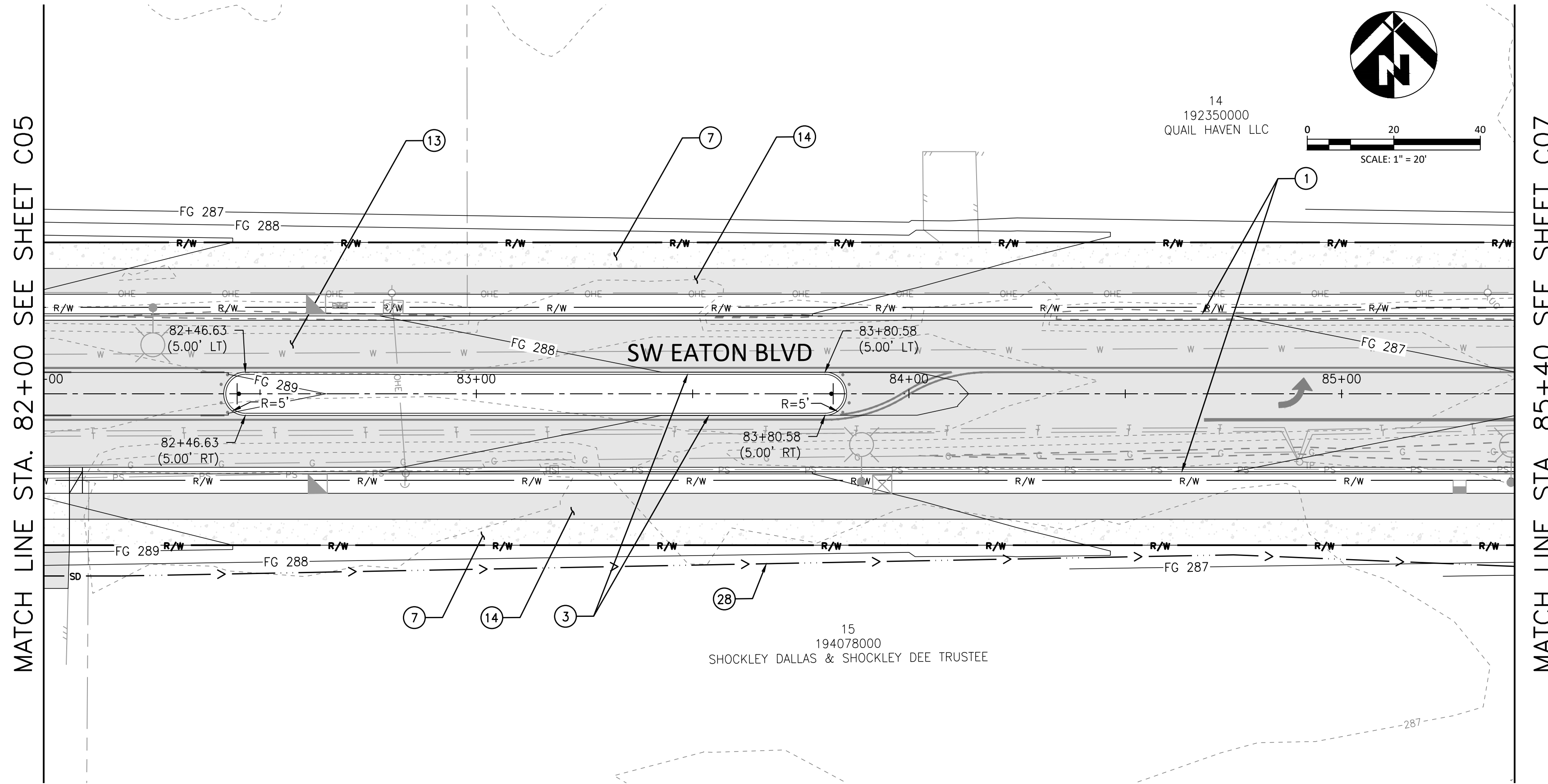
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AWN BY:	
CHECKED BY:	ME

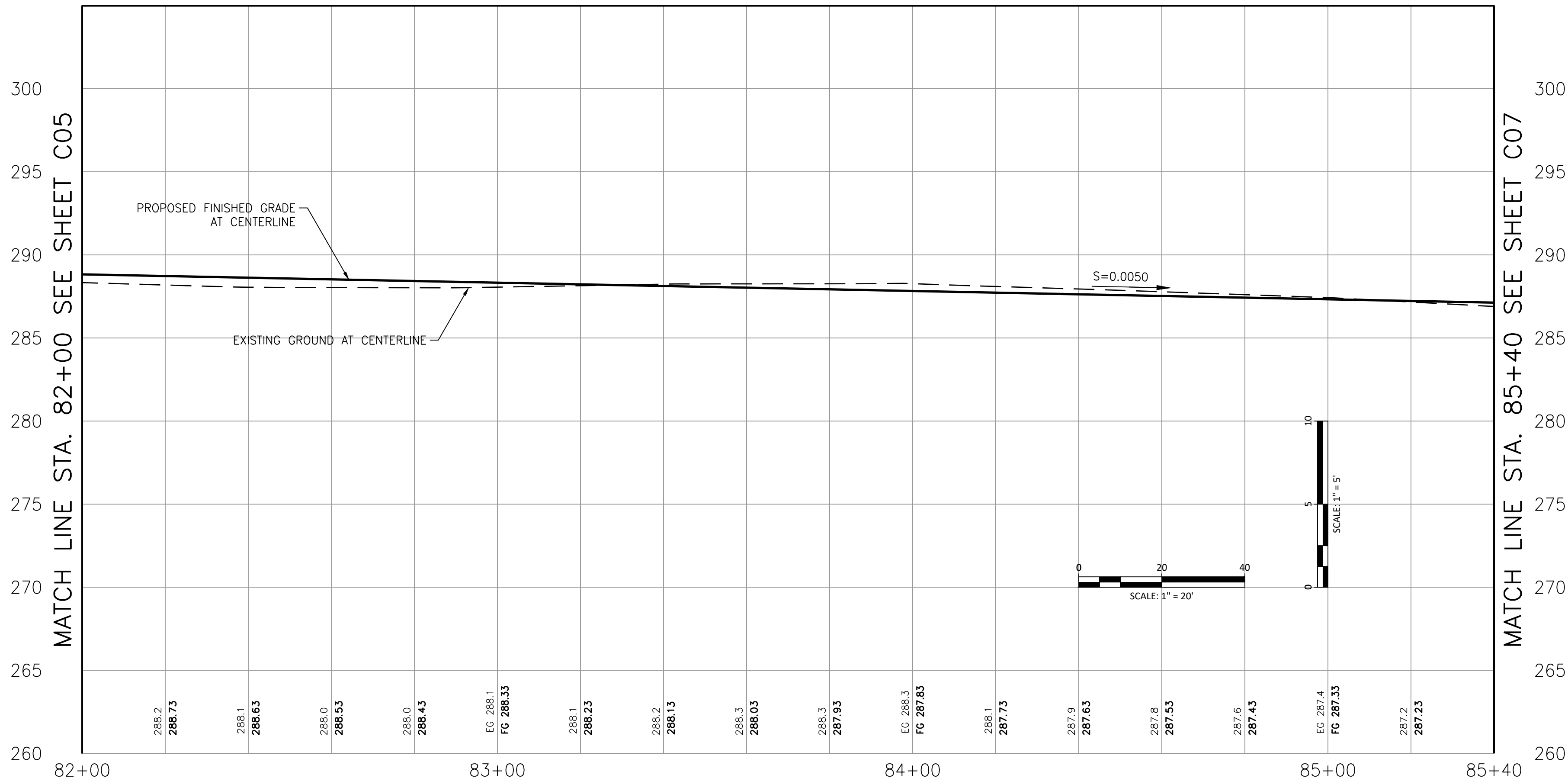
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SW EATON BLVD PLAN



SW EATON BLVD PROFILE

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

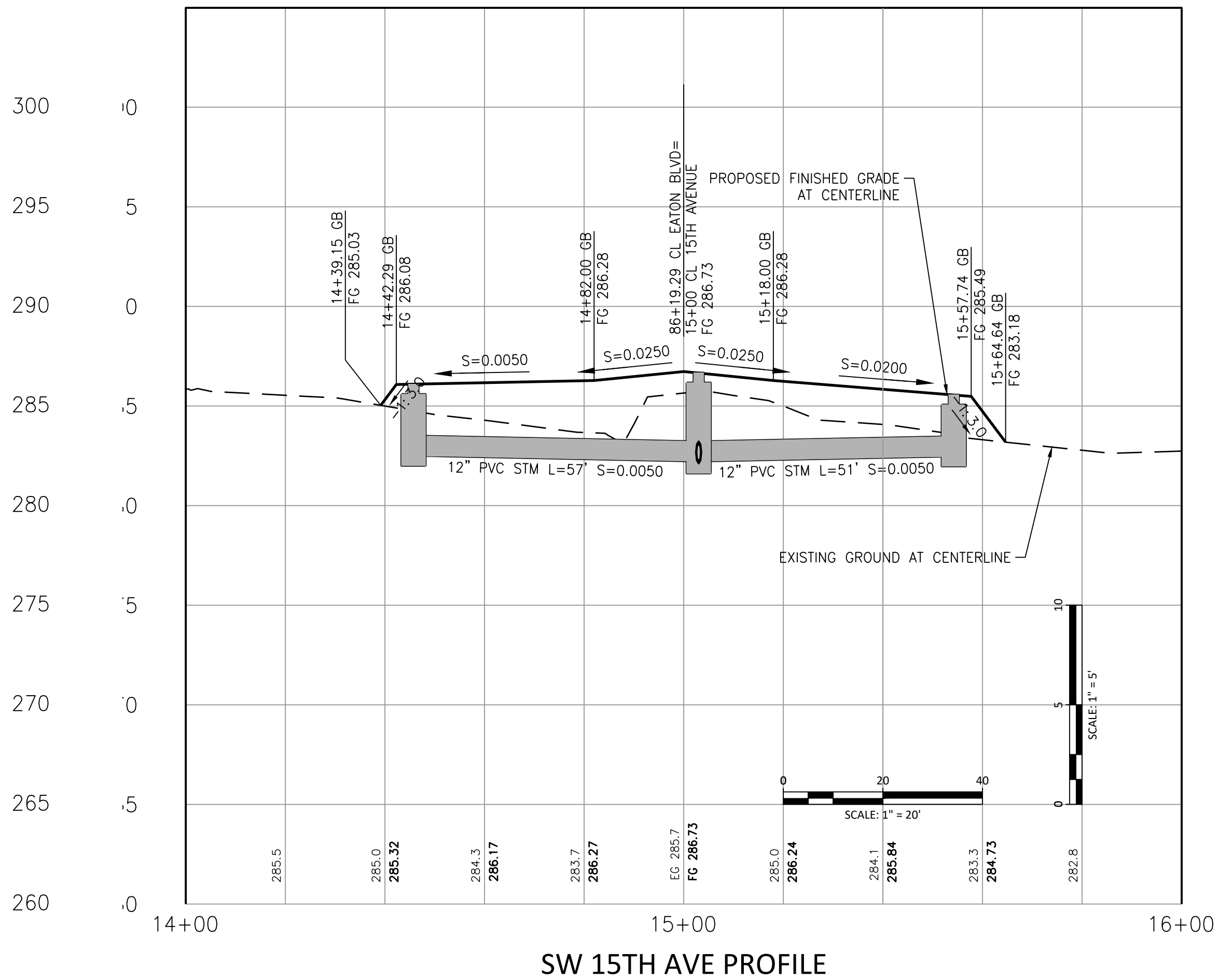
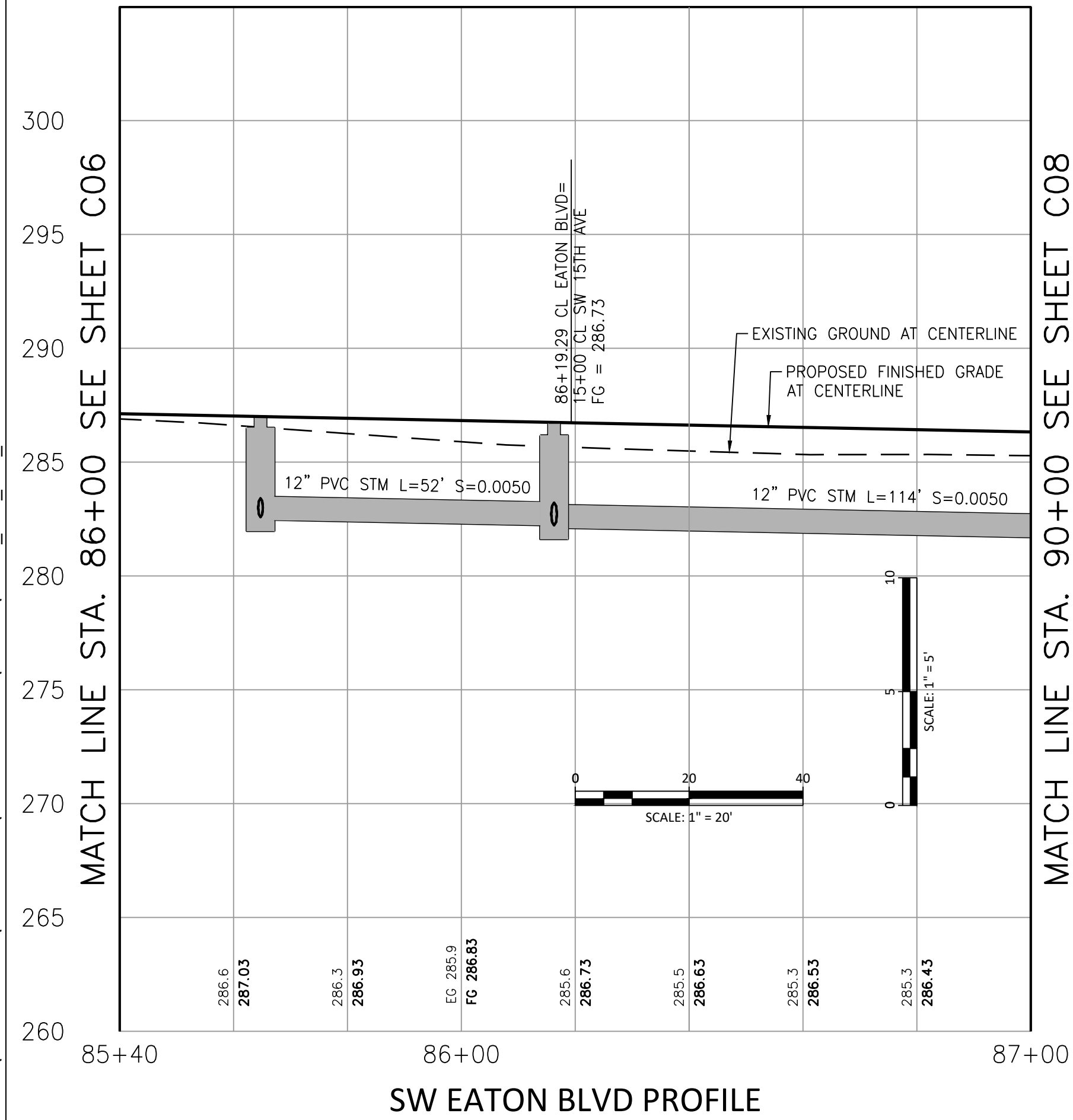
STREET NOTES

- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3) CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4) CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5) CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6) CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7) CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8) CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9) CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10) CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11) SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12) CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER TYPICAL SECTION
- 13) CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14) CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
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- 17) MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- 18) MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19) CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20) INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21) RELOCATE EXIST. FIRE HYDRANT
- 22) INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27) ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28) CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29) END CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- 30) ADJUST MANHOLE TO FG
- 31) CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32) CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- 33) CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34) CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35) CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1) WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2) WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3) INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
- 4) INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03 (DATA WILL BE PROVIDED AT 90%)
- 5) INSTALL RIPRAP AT OUTLET
- 6) 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7) 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8) 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9) INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10) INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
- 11) INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12) INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

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GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
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- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
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- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
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- 33 CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34 CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
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- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

SW EATON BOULEVARD ROAD IMPROVEMENT SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE

SW EATON BLVD STA 85+40 TO 87+00

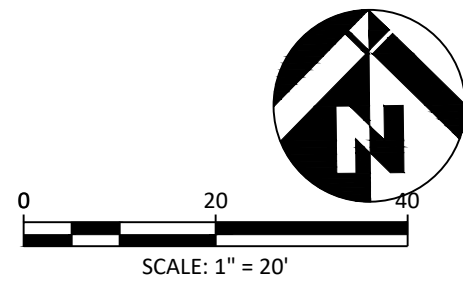
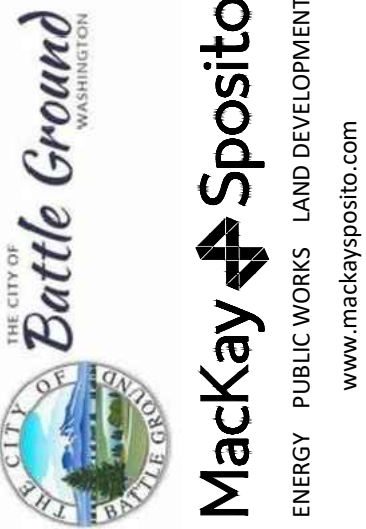
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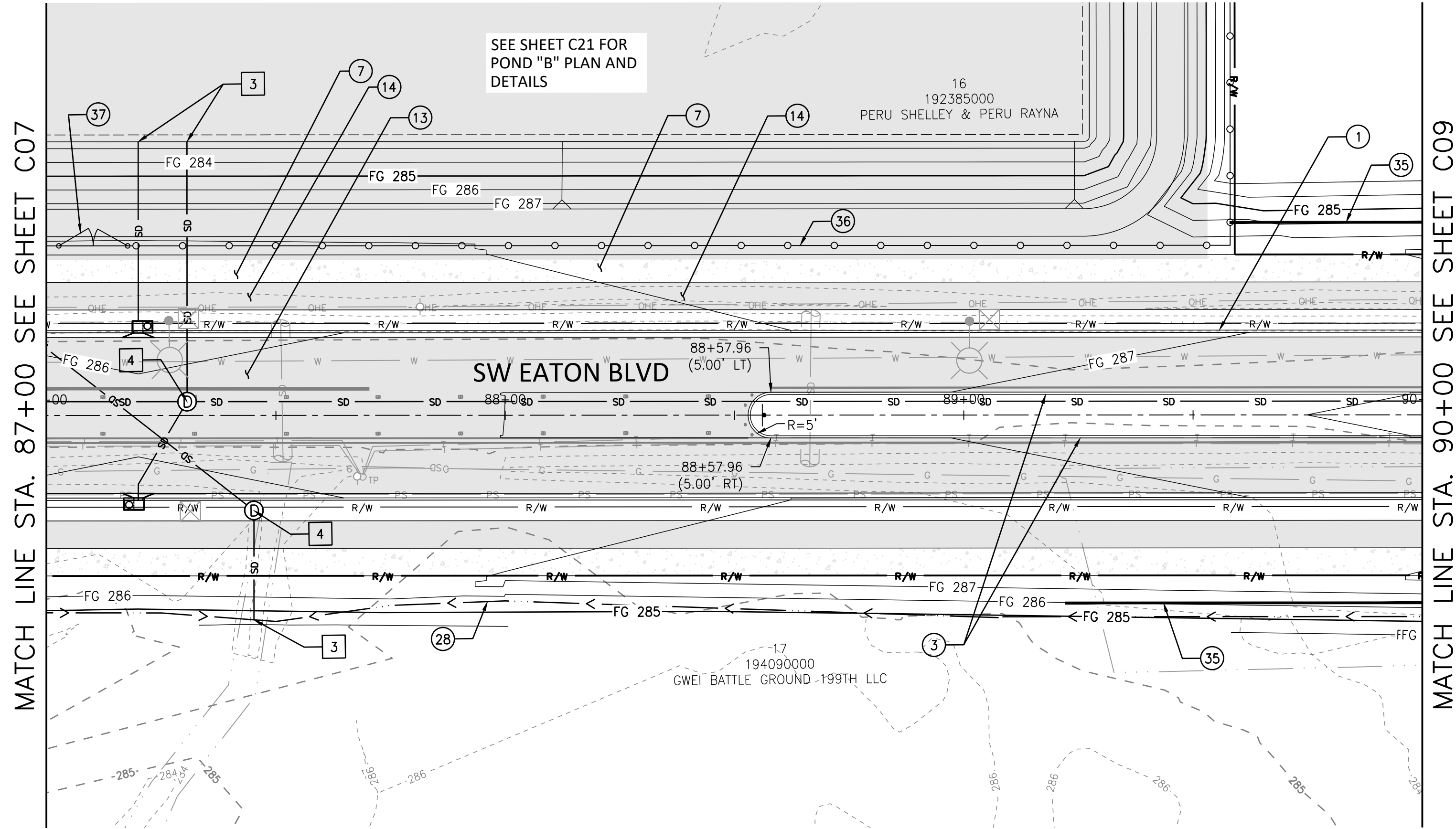
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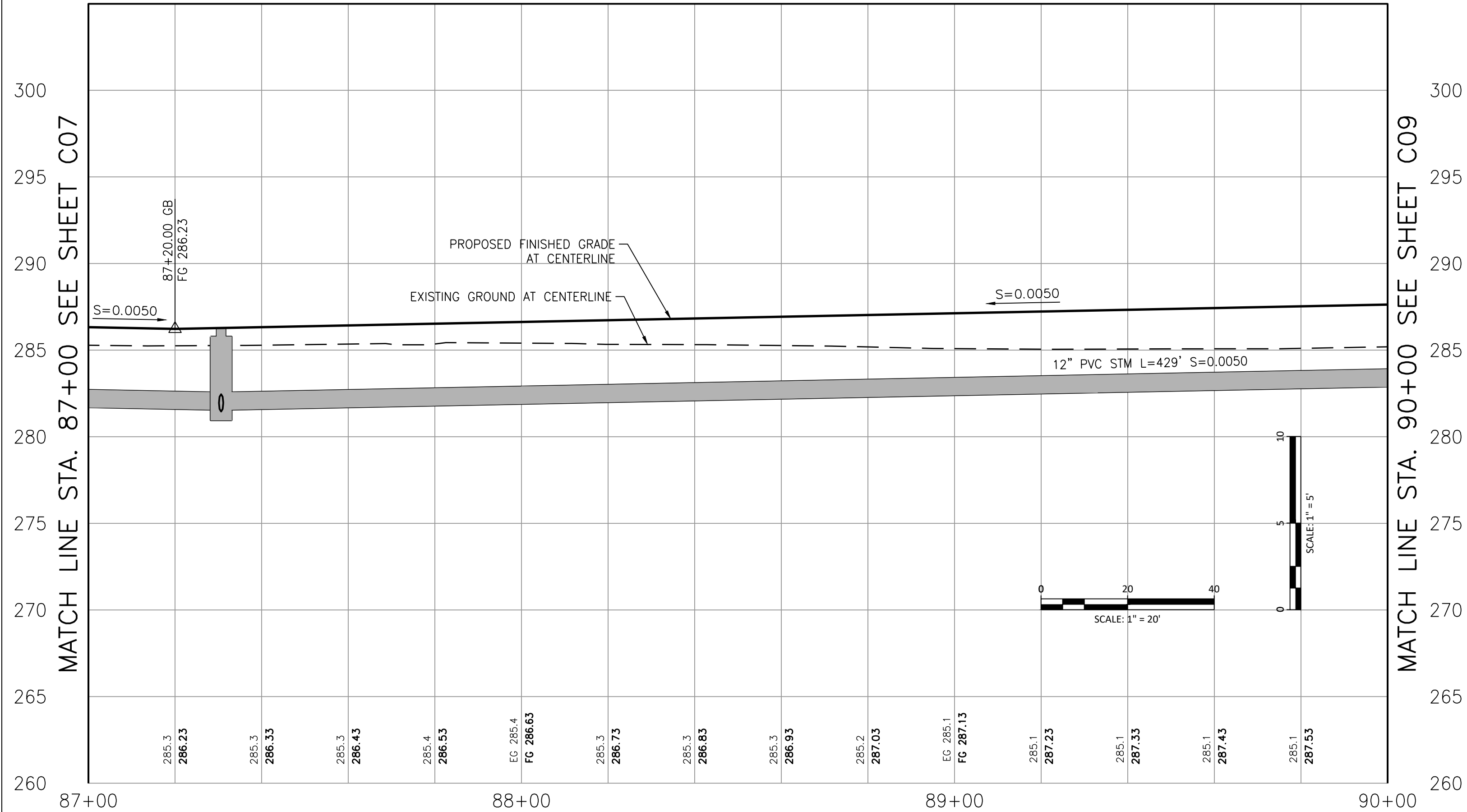
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SW EATON BLVD PLAN



SW EATON BLVD PROFILE

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.04
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
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- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)
- 36 INSTALL CHAIN LINK FENCE PER DETAIL ST-8.00
- 37 INSTALL CHAIN LINK GATE PER DETAIL ST-8.00

STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
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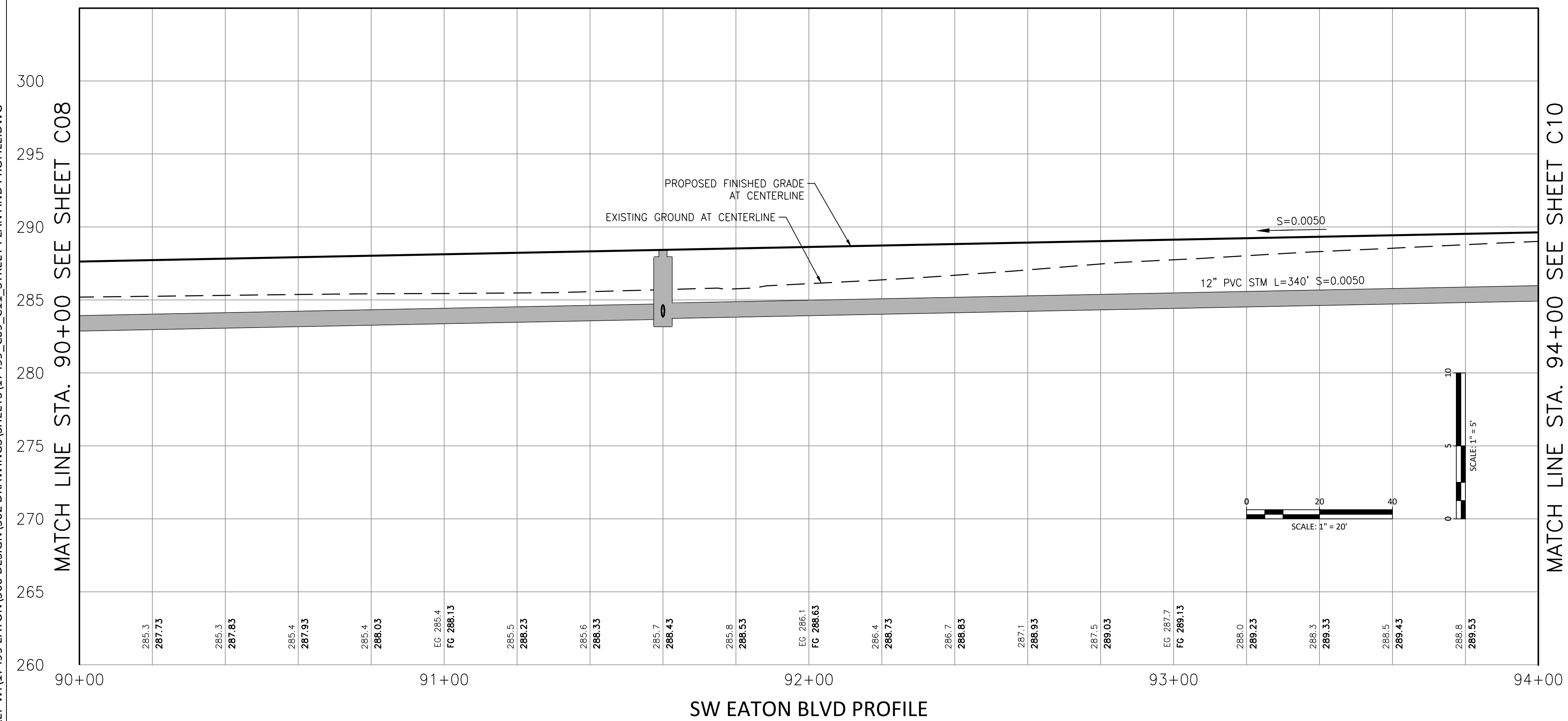
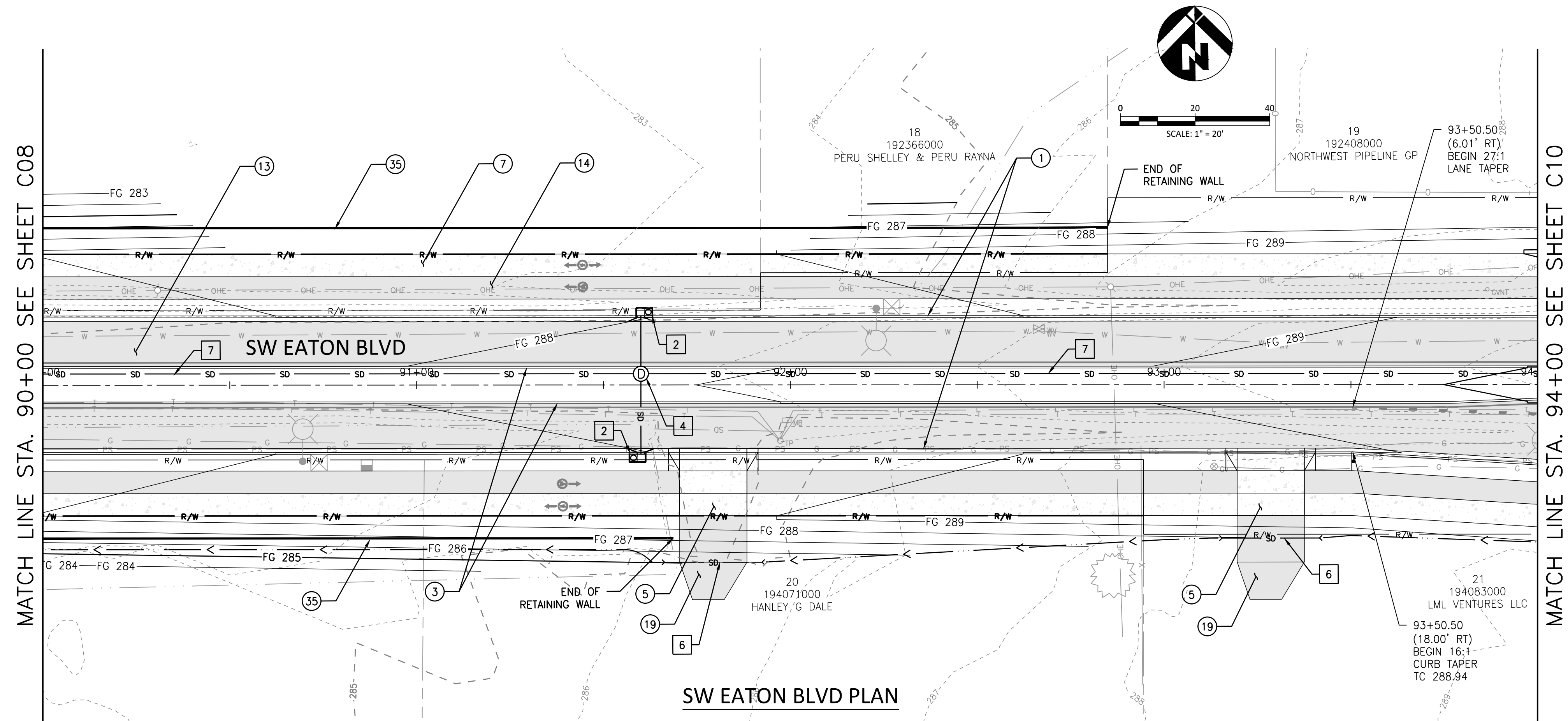
REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

60% SUBMITTAL

C08

NO. 50 OF X



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND,
AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

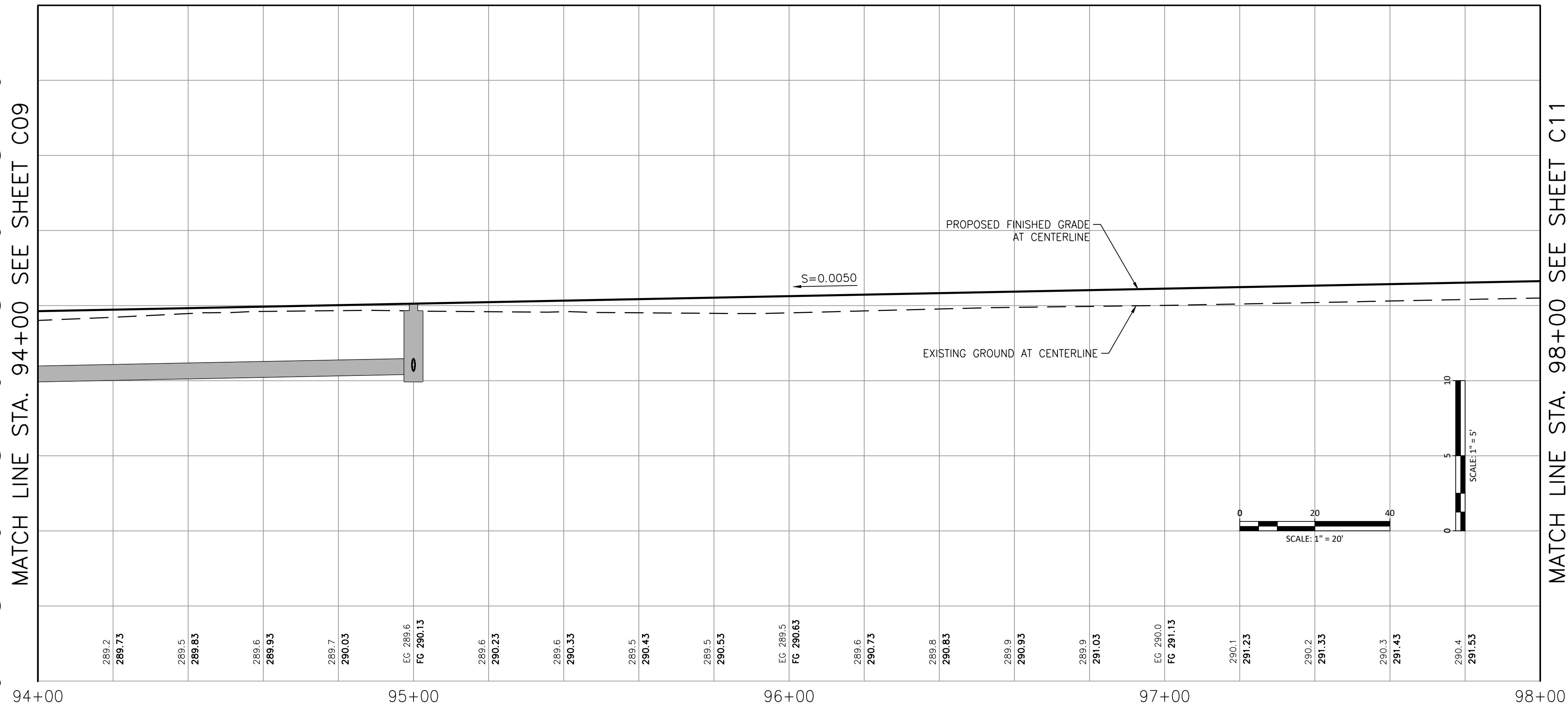
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- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12 CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER
TYPICAL SECTION
- 13 CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14 CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15 CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON
ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17 MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES
CEMENT CONCRETE TRAFFIC CURB
- 18 MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19 CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20 INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21 RELOCATE EXIST. FIRE HYDRANT
- 22 INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27 ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29 CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR.
SEE DEMOLITION PLANS FOR LIMITS
- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL
F-10.12-04
- 33 CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34 CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

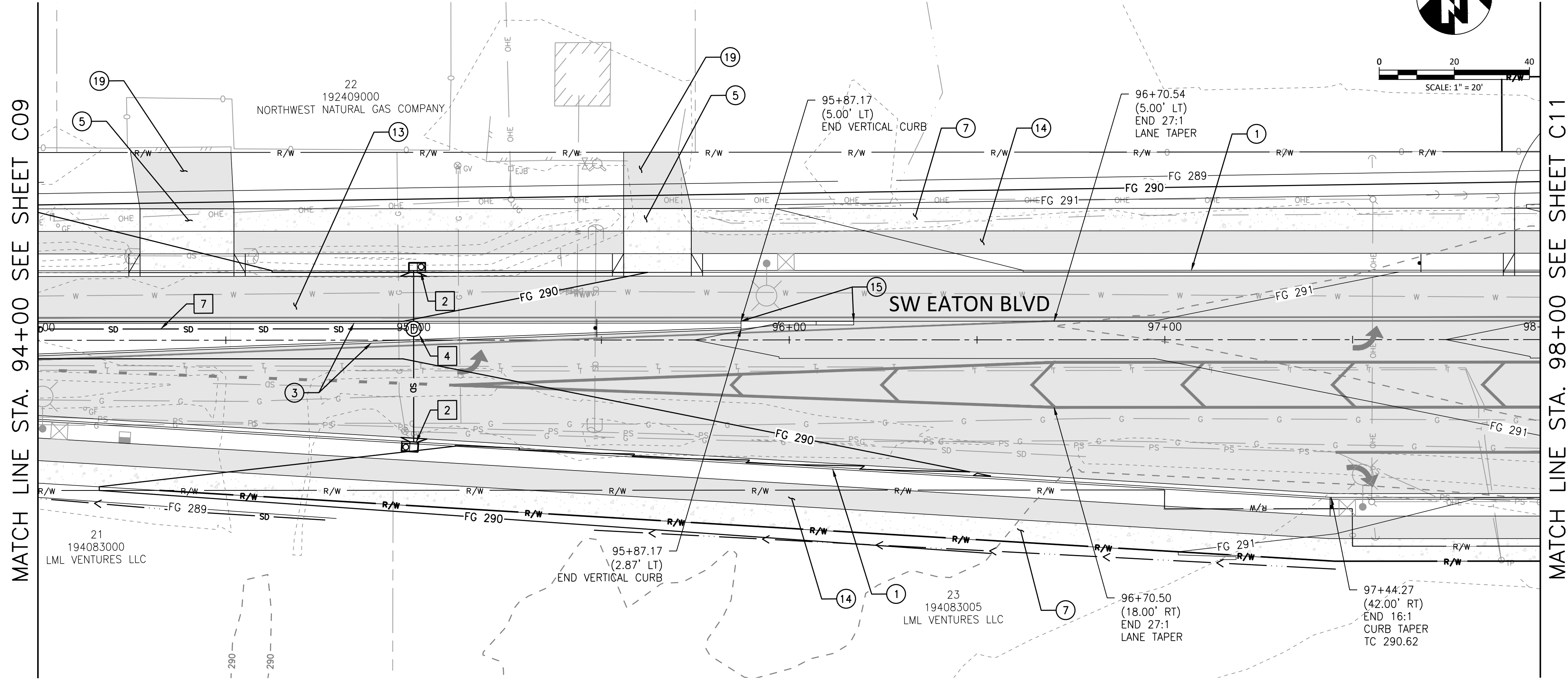
STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET
(DATA WILL BE PROVIDED AT 90%)
- 3 INSTALL BEVELED END SECTION PER DETAIL ST-6.05
(DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03
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- 5 INSTALL RIPRAP AT OUTLET
- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
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(DATA WILL BE PROVIDED AT 90%)
- 10 INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL
BE PROVIDED AT 90%)
- 11 INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE
PROVIDED AT 90%)
- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE
PROVIDED AT 90%)

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\502 SHEETS\17499_C09_C11_STREET PLAN AND PROFILE.DWG



SW EATON BLVD PROFILE



SW EATON BLVD PLAN

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3) CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4) CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5) CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6) CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7) CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8) CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9) CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10) CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11) SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
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- 13) CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14) CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
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- 17) MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- 18) MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19) CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
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- 21) RELOCATE EXIST. FIRE HYDRANT
- 22) INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27) ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28) CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
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- 30) ADJUST MANHOLE TO FG
- 31) CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
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- 35) CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

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- 2) WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3) INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
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- 6) 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
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- 8) 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9) INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10) INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
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- 12) INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

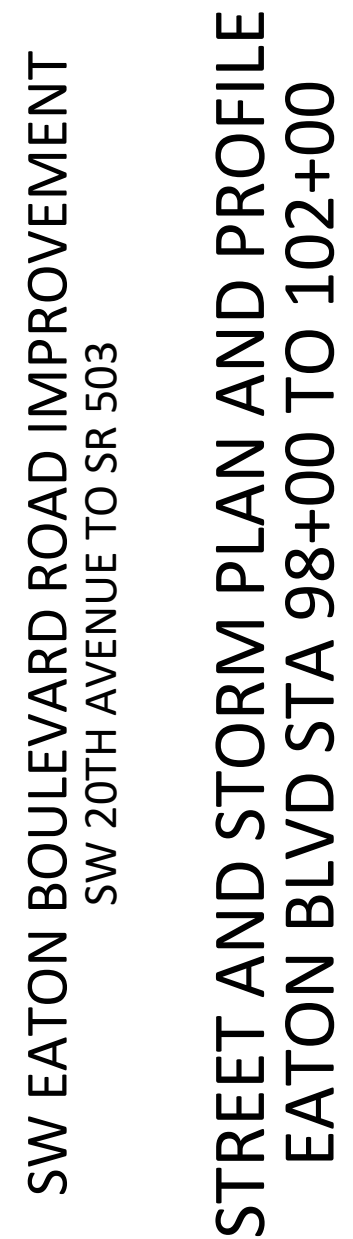
STREET AND STORM PLAN AND PROFILE
EATON BLVD STA 94+00 TO 98+00

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

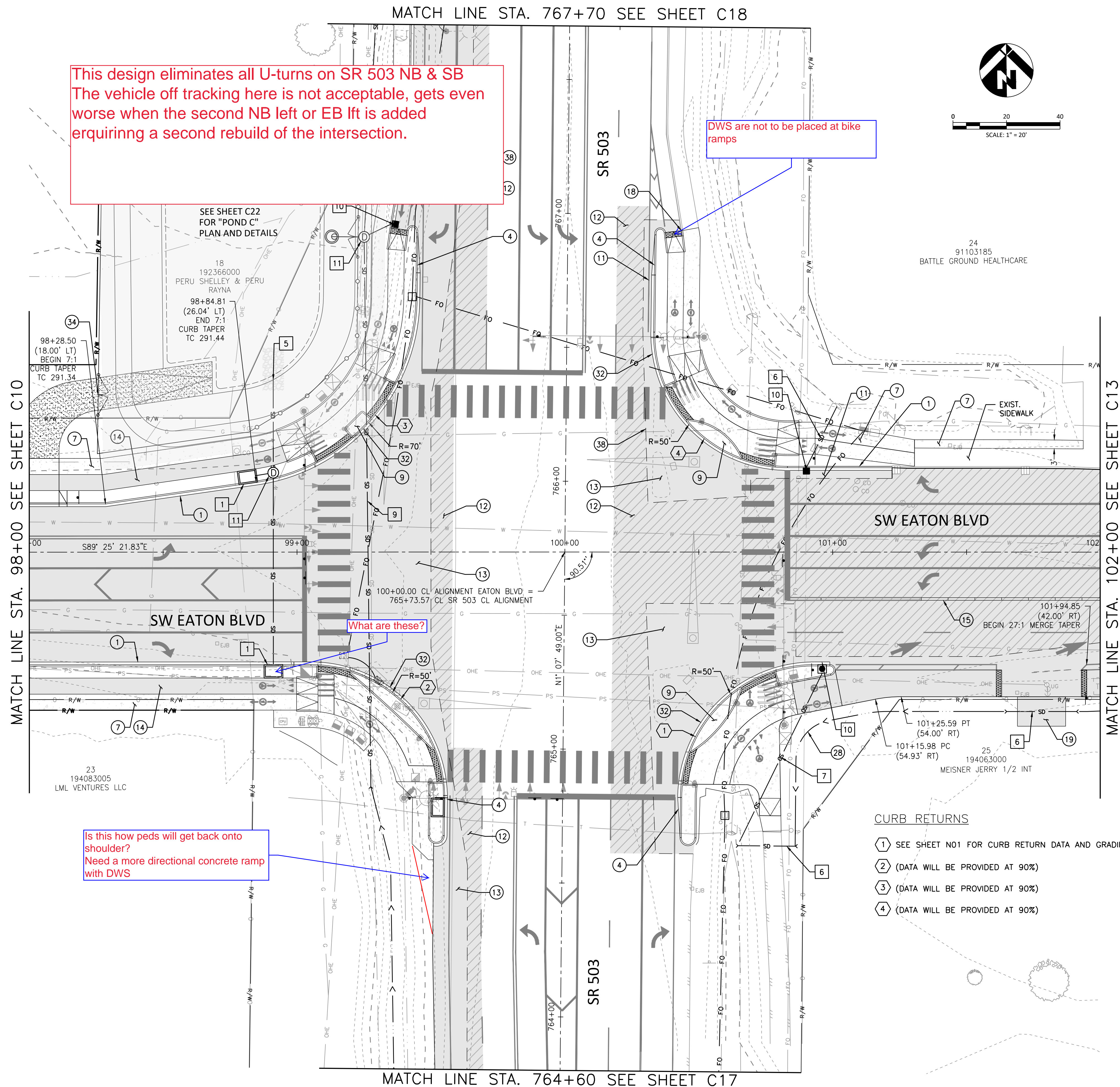
C10



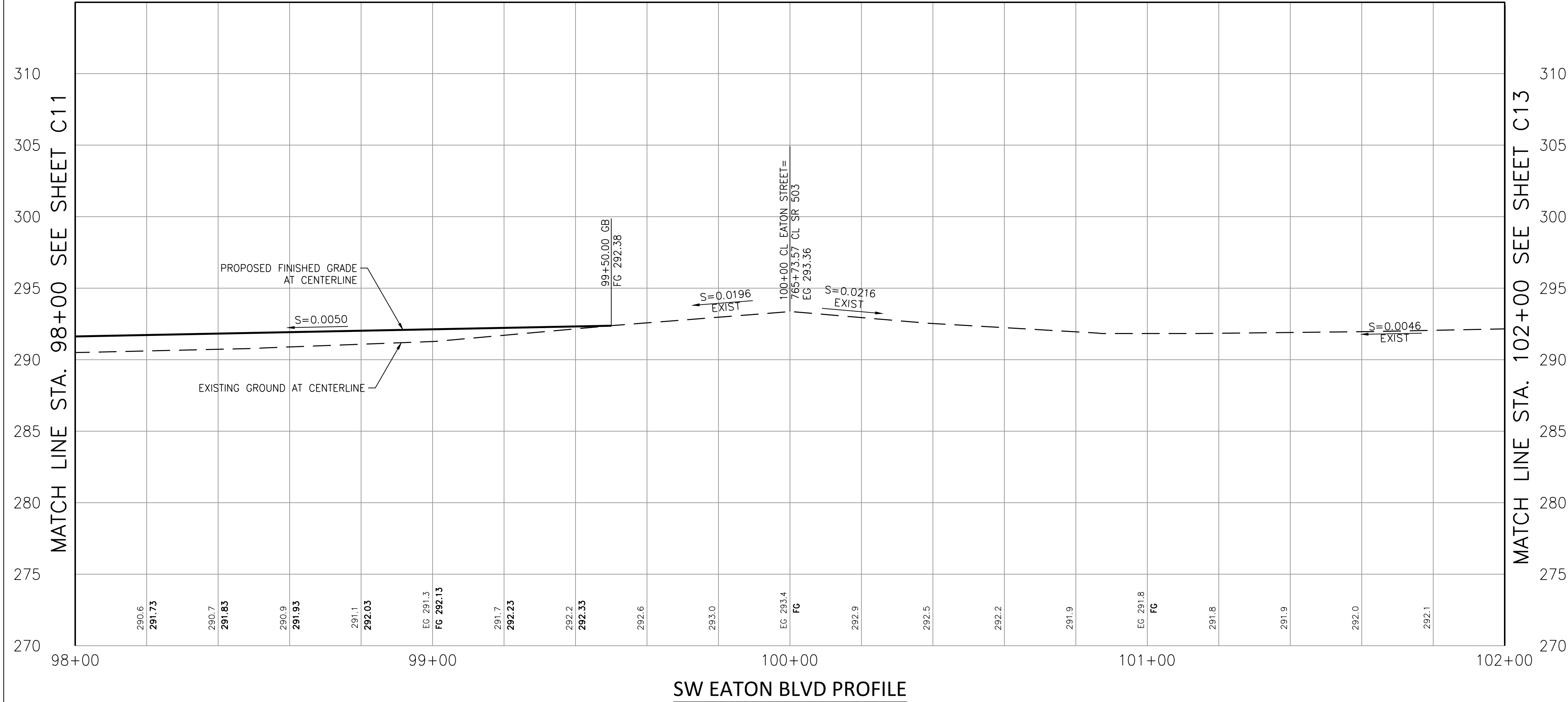
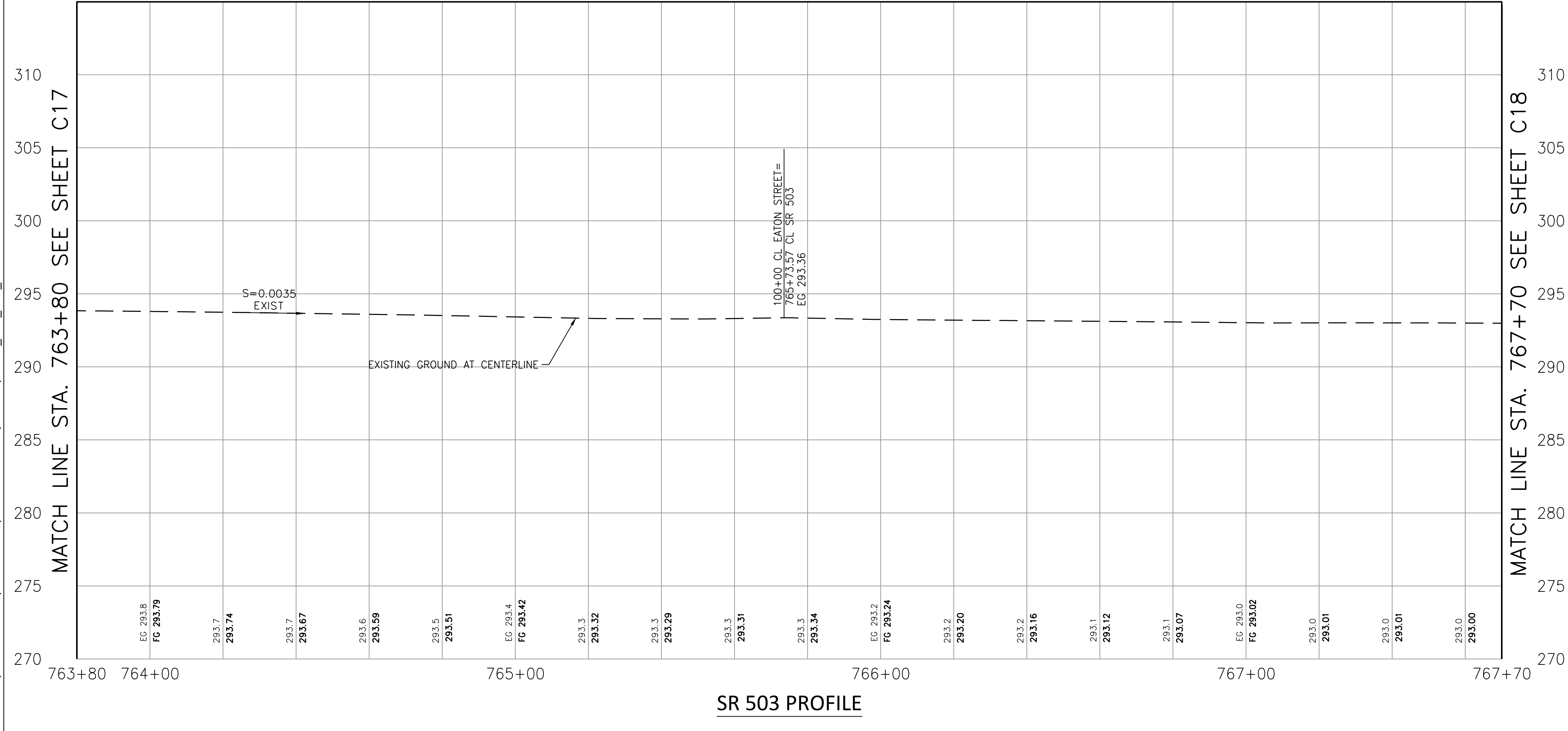
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SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

C11

- 1 WATER QUALITY FILTERRRA BOX (DATA WILL BE PROVIDED AT 90%)
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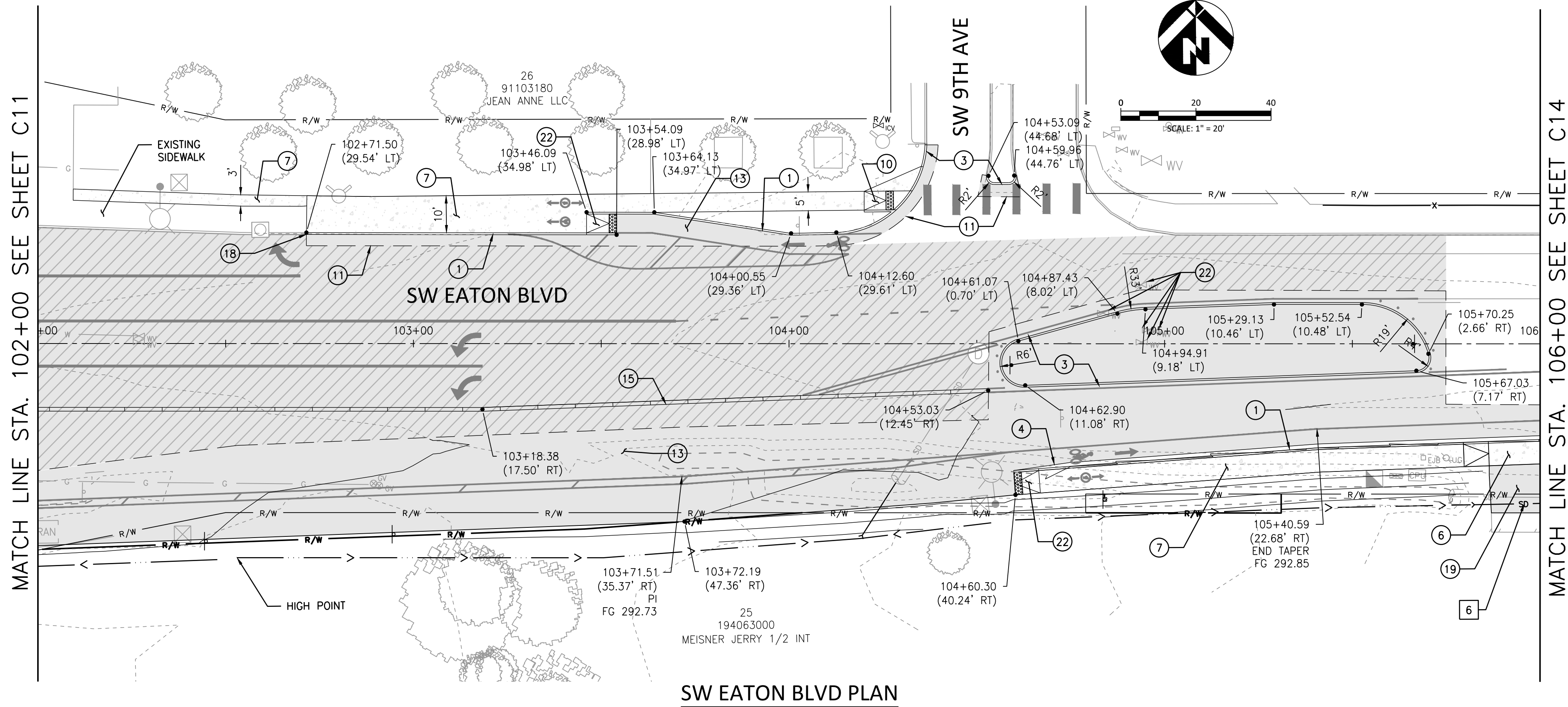


SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
SW EATON-SR 503 INTERSECTION PROFILE

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

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GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
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- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
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- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
EATON BLVD STA 102+00 TO 106+00

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

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C13

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MATCH LINE STA. 106+00 SEE SHEET C13

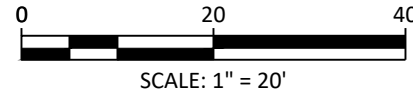
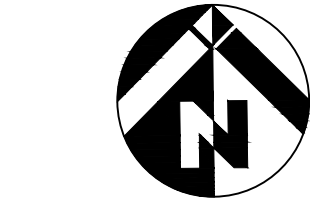
27
91103143
BATTLE GROUND SCHOOL DISTRICT #119

SW EATON BLVD

28
194151000
DIAMOND GEORGE N & CAIN BARRY A &
COHEN JIMMY D

29
194146000
BONDS CATHERINE

SW EATON BLVD PLAN



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

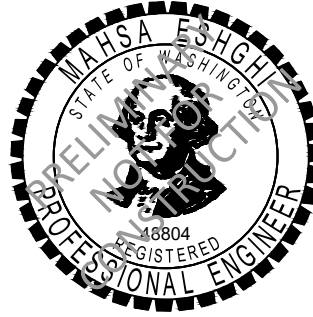
- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3) CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4) CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5) CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
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- 7) CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8) CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9) CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
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- 11) SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
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- 19) CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20) INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21) RELOCATE EXIST. FIRE HYDRANT
- 22) INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27) ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28) CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29) CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
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- 31) CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
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STORMWATER NOTES

- 1) WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2) WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3) INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
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- 5) INSTALL RIPRAP AT OUTLET
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- 7) 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8) 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
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SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
EATON BLVD STA 106+00 TO 110+00

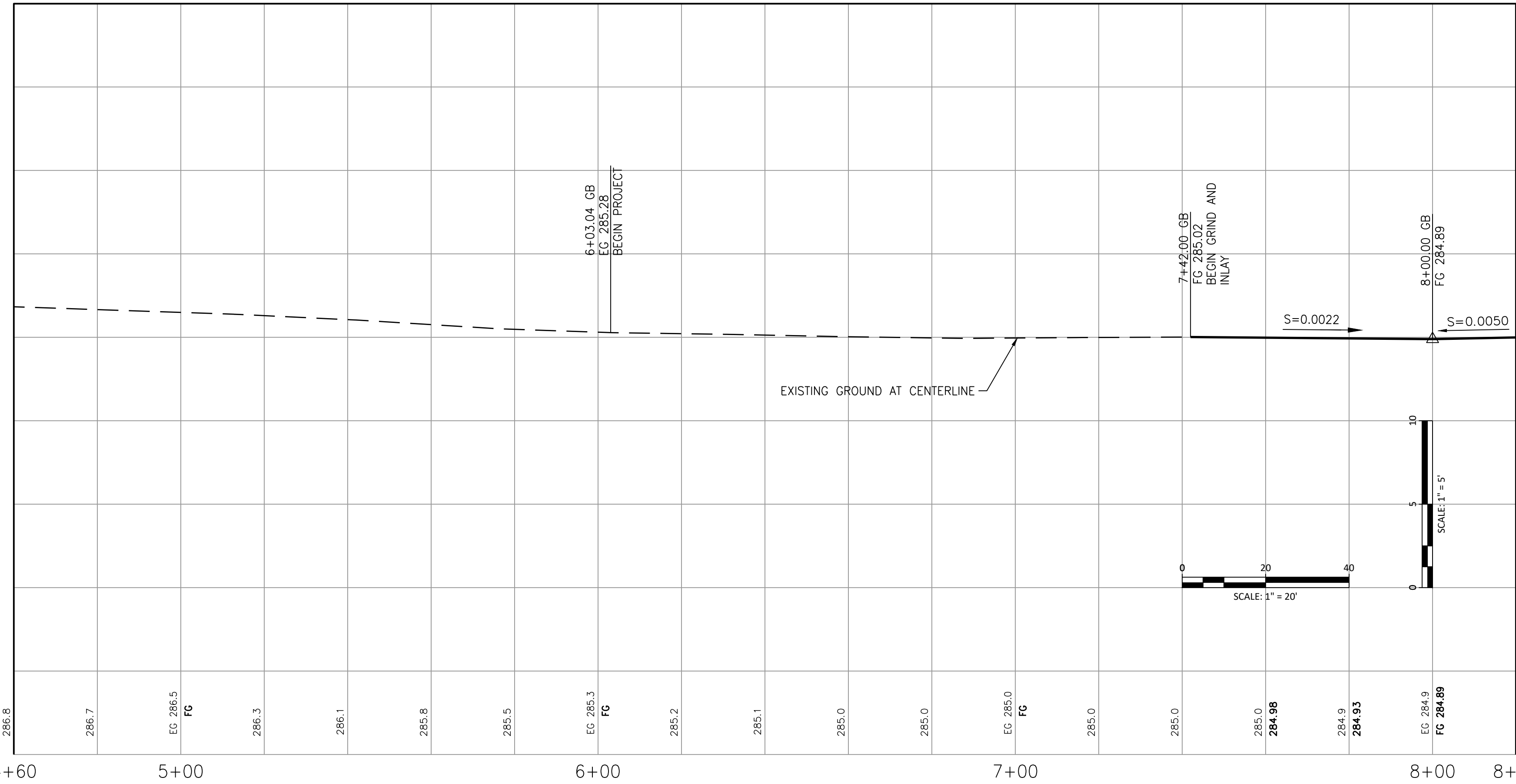
REVISIONS:

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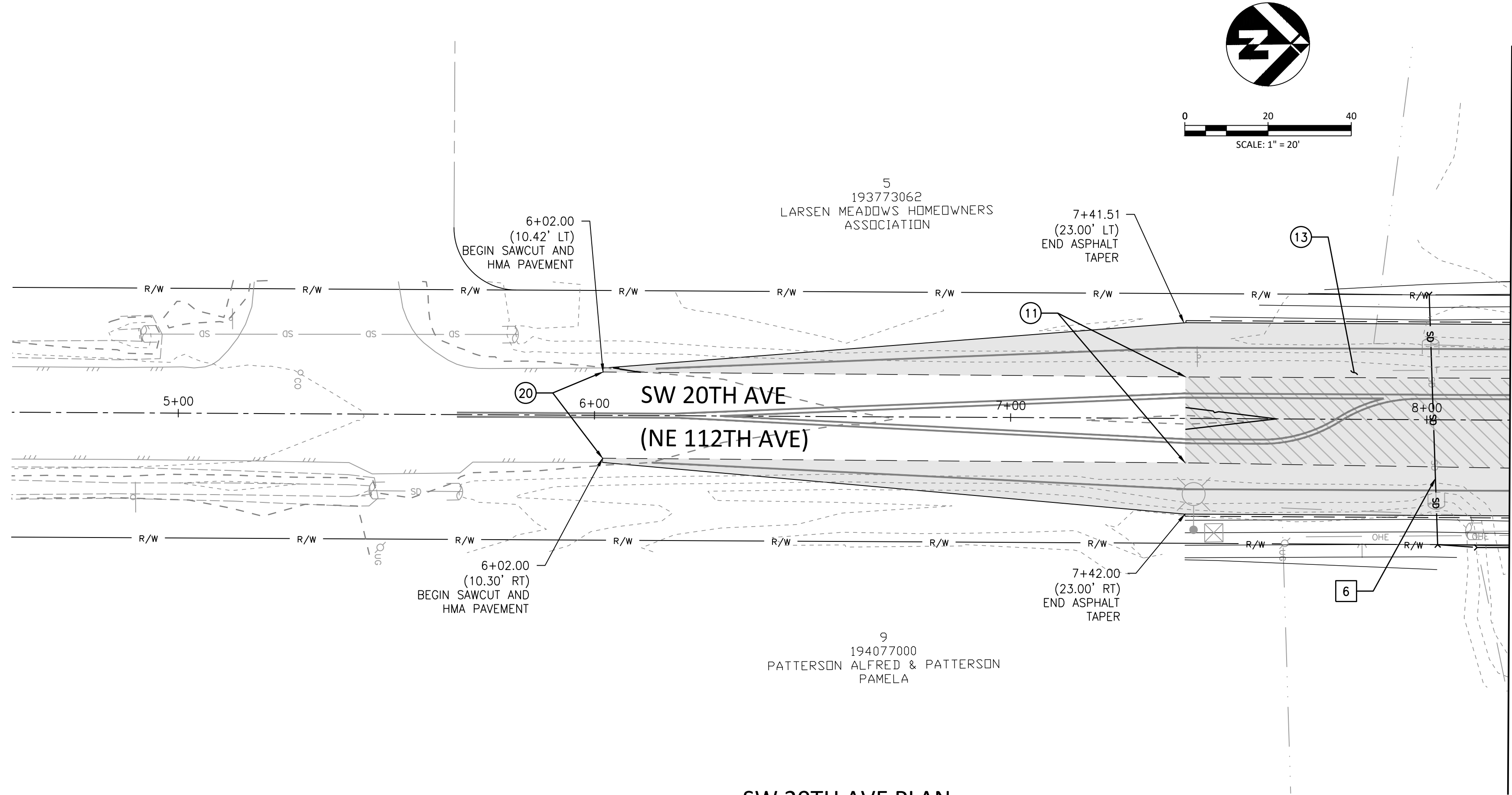
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C14

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SW 20TH AVE PROFILE



SW 20TH AVE PLAN

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

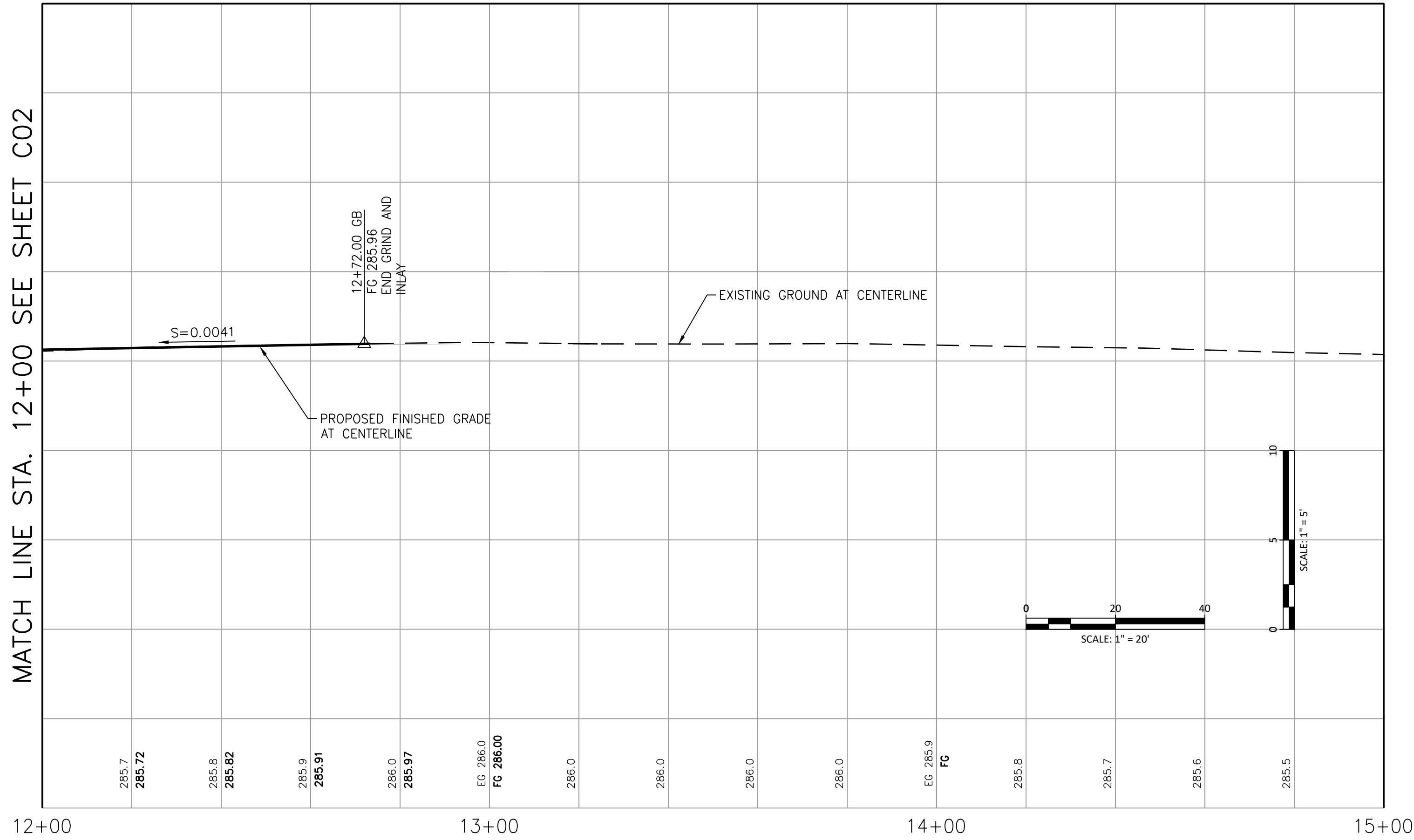
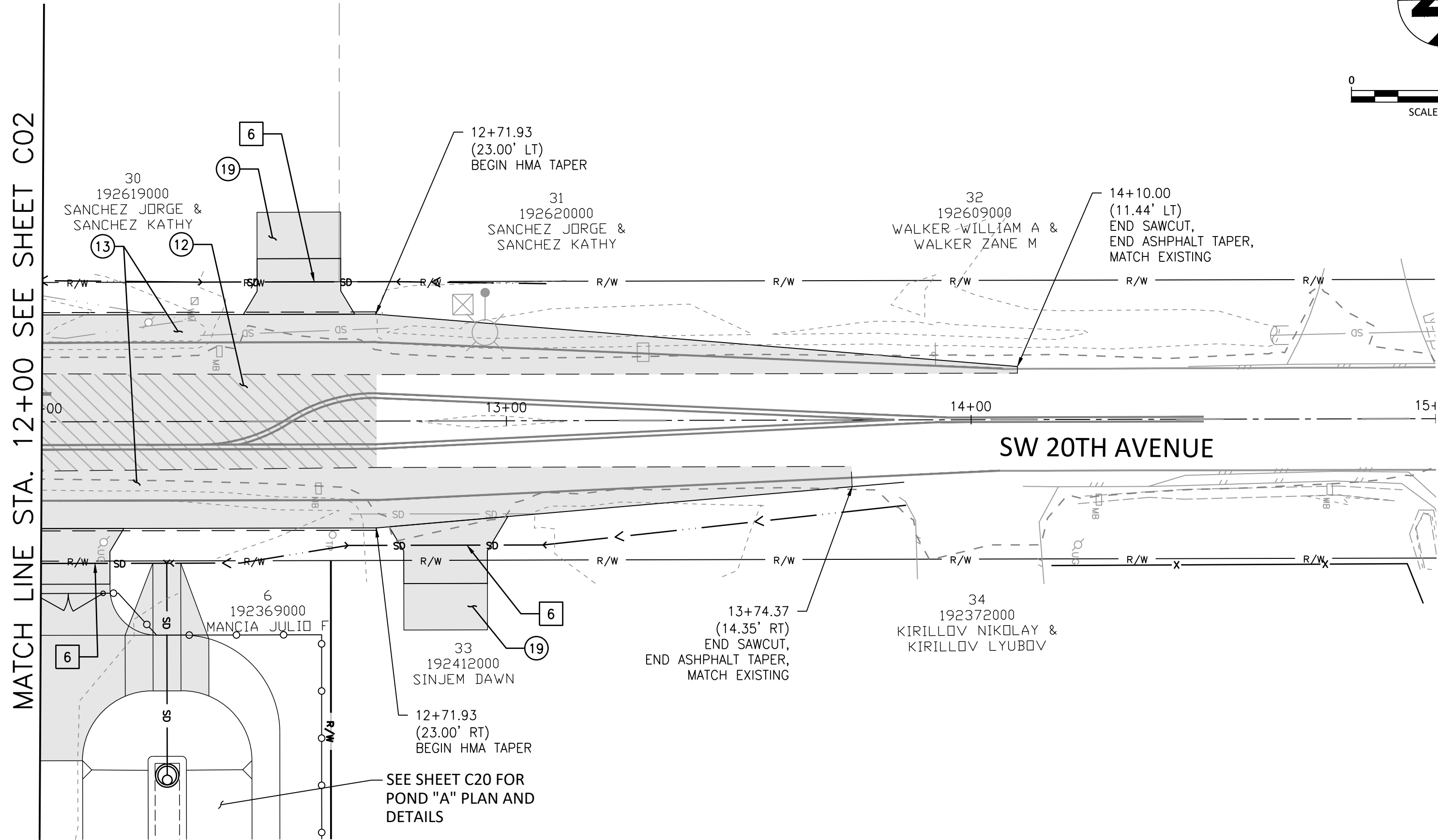
STREET NOTES

- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
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GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

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- 13 CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14 CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15 CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17 MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- 18 MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19 CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20 INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21 RELOCATE EXIST. FIRE HYDRANT
- 22 INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27 ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29 CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- 30 ADJUST MANHOLE TO FG
- 31 CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- 33 CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- 34 CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35 CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1 WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2 WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3 INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
- 4 INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03 (DATA WILL BE PROVIDED AT 90%)
- 5 INSTALL RIPRAP AT OUTLET
- 6 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9 INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10 INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
- 11 INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

REVISIONS:

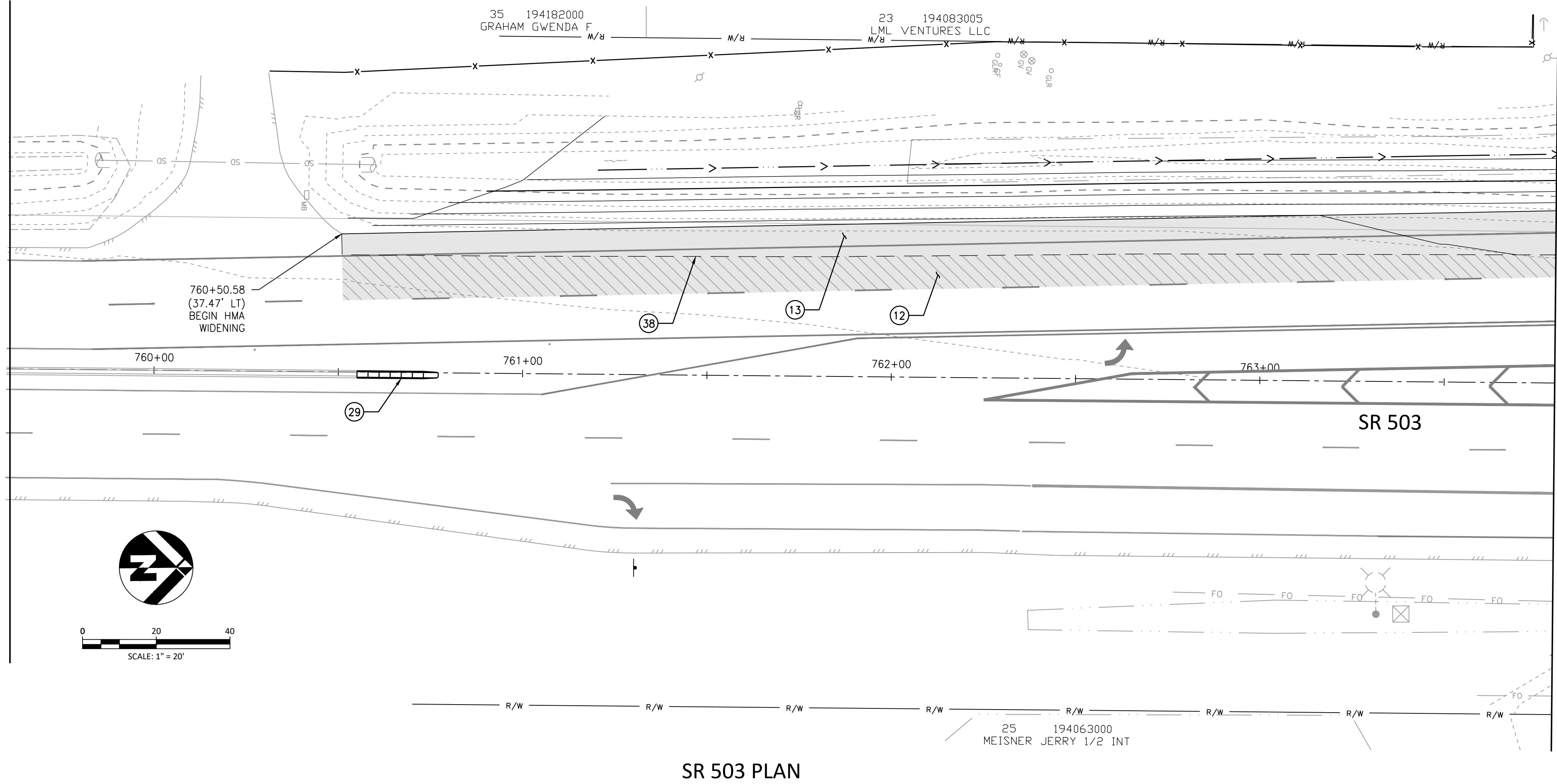
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SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

60% SUBMITTAL

C16

NO. 58 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_C15_C17_STREET PLAN AND PROFILE.DWG



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

- CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER TYPICAL SECTION
- CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- RELOCATE EXIST. FIRE HYDRANT
- INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- ADJUST MANHOLE TO FG
- CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- CONSTRUCT 4' CHAIN LINK FENCE TYPE 4 PER DETAIL L-20.10-03
- CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)
- INSTALL CHAIN LINK GATE PER DETAIL ST-8.00
- SAWCUT EXISTING ASPHALT PAVEMENT

STORMWATER NOTES

- WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
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- INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

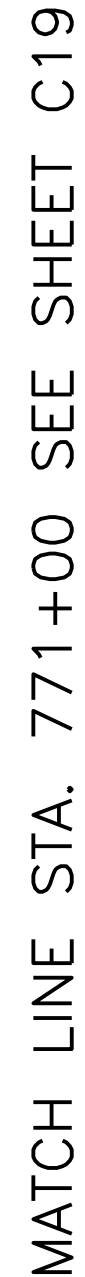
STREET AND STORM PLAN AND PROFILE
SR 503 STA 759+60 TO 763+80

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

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NO. 59 OF X



SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND,
AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

- ## STORMWATER NOTES

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- 12 INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
SR 503 STA 767+80 TO 771+00



REVISIONS:

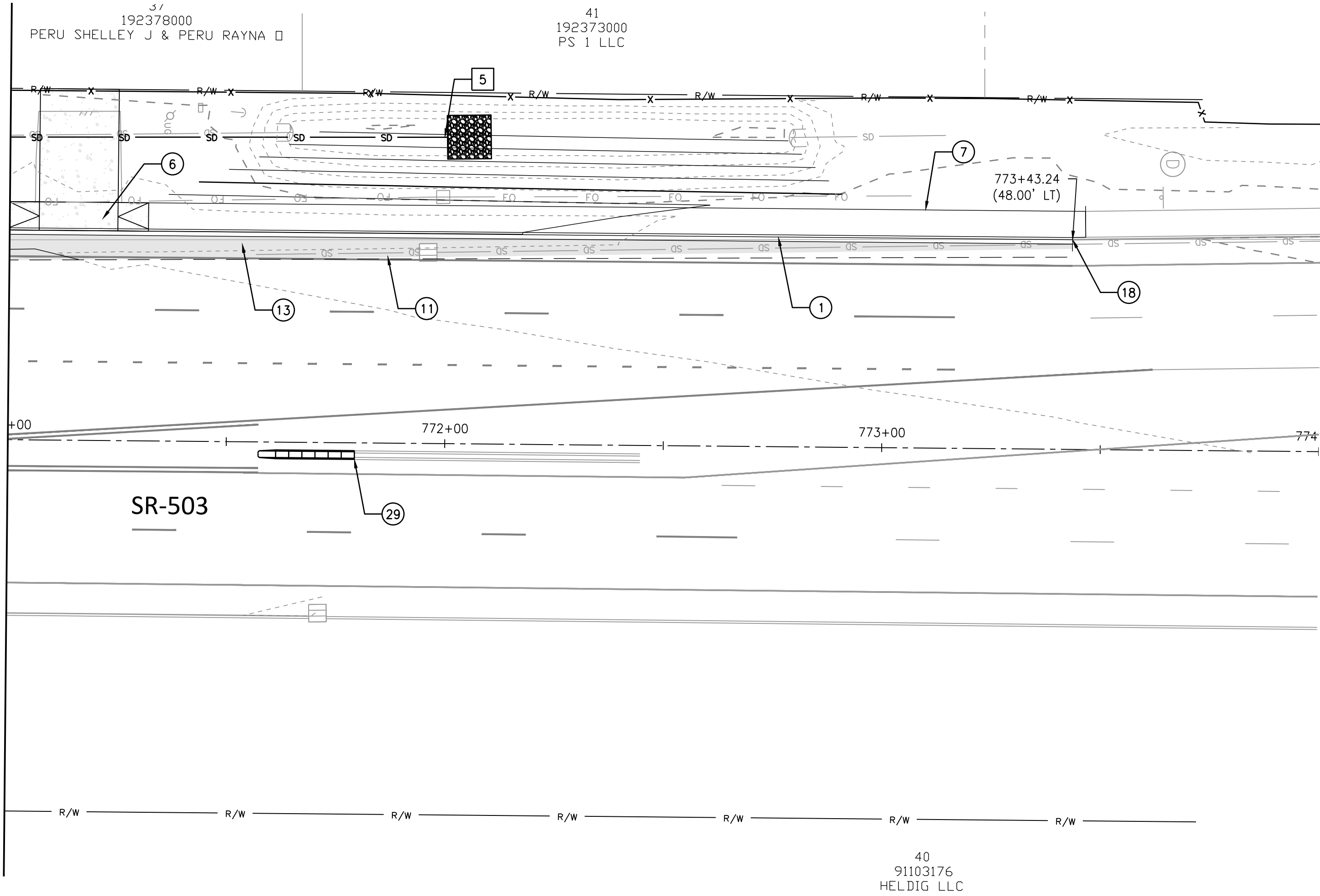
JOB NO.:	17499
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DRAWN BY:	
CHECKED BY:	ME

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MATCH LINE STA. 771+00 SEE SHEET C18



SR 503 PLAN

GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

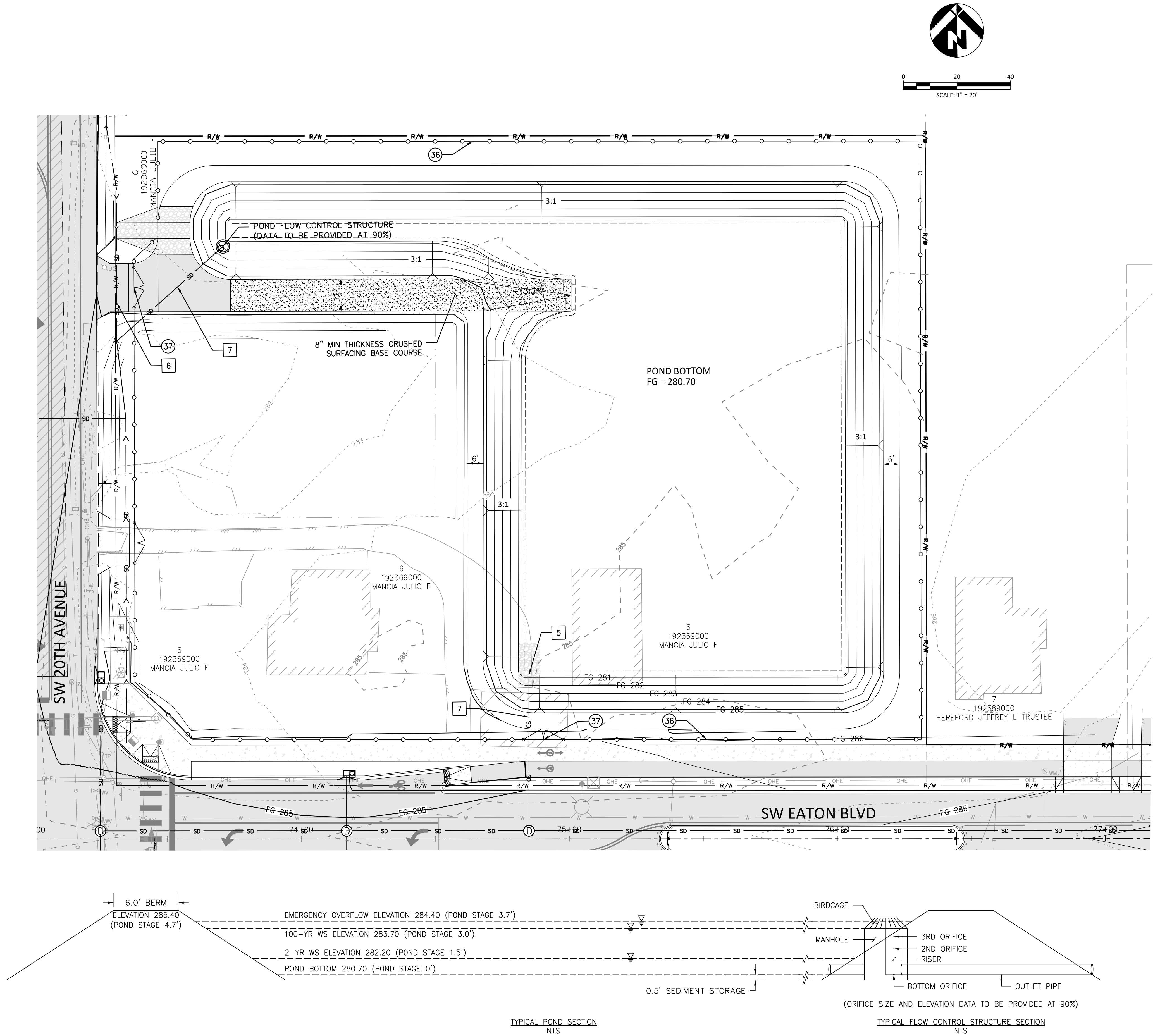
STREET NOTES

- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3) CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4) CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5) CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6) CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7) CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8) CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9) CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10) CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11) SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
- 12) CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER TYPICAL SECTION
- 13) CONSTRUCT H.M.A. STREET SECTION PER TYPICAL SECTION
- 14) CONSTRUCT H.M.A. BIKEWAY PER DETAIL 3.0 (TYP)
- 15) CONSTRUCT DUAL SLOPED MOUNTABLE CURB (NOSING BLOCK ON ENDS) PER WSDOT STANDARD PLAN F-10.64-03
- 17) MATCH PROPOSED CURB AND GUTTER TO PROPOSED DUAL FACES CEMENT CONCRETE TRAFFIC CURB
- 18) MATCH PROPOSED CURB OR CURB AND GUTTER TO EXIST. CURB
- 19) CONSTRUCT HMA DRIVEWAY TRANSITION PER DETAIL 1.0
- 20) INSTALL TYPE III BARRICADE PER DETAIL TR-7.04
- 21) RELOCATE EXIST. FIRE HYDRANT
- 22) INSTALL CONCRETE BIKE RAMP PER DETAIL 2.0
- 27) ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
- 28) CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
- 29) CONCRETE BARRIER REMOVAL LIMITS. INSTALL TAU-II ATTENUATOR. SEE DEMOLITION PLANS FOR LIMITS
- 30) ADJUST MANHOLE TO FG
- 31) CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32) CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
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- 34) CONSTRUCT 20' CHAIN LINK DOUBLE GATE PER DETAIL L-30.10-02
- 35) CONSTRUCT 1'-4' RETAINING WALL (DATA TO BE PROVIDED AT 90%)

STORMWATER NOTES

- 1) WATER QUALITY FILTERRA BOX (DATA WILL BE PROVIDED AT 90%)
- 2) WATER QUALITY CARTRIDGE FILTER CURB INLET (DATA WILL BE PROVIDED AT 90%)
- 3) INSTALL BEVELED END SECTION PER DETAIL ST-6.05 (DATA WILL BE PROVIDED AT 90%)
- 4) INSTALL FLAT SLAB STM MH PER DETAIL ST-2.00 & ST-2.03 (DATA WILL BE PROVIDED AT 90%)
- 5) INSTALL RIPRAP AT OUTLET
- 6) 12" CMP CULVERT (DATA WILL BE PROVIDED AT 90%)
- 7) 12" STM PIPE (DATA WILL BE PROVIDED AT 90%)
- 8) 24" STM PIPE, L=166' (DATA WILL BE PROVIDED AT 90%)
- 9) INSTALL 24" STM CULVERT, L=205' (DATA WILL BE PROVIDED AT 90%)
- 10) INSTALL CATCH BASIN TYPE 1 PER DETAILS B-5.20-03 (DATA WILL BE PROVIDED AT 90%)
- 11) INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12) INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

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GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1) CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3) CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4) CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5) CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6) CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7) CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8) CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
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- 12) CONSTRUCT GRIND AND INLAY FOR PAVEMENT RESTORATION PER TYPICAL SECTION
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- 21) RELOCATE EXIST. FIRE HYDRANT
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- 27) ADJUST EXISTING SANITARY SEWER MANHOLE RIM ELEVATION
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- 31) CONSTRUCT TYPE 4A CURB RAMP PER DETAIL TR-4.13
- 32) CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- 36) INSTALL CHAIN LINK FENCE PER DETAIL ST-8.00
- 37) INSTALL CHAIN LINK GATE PER DETAIL ST-8.00

STORMWATER NOTES

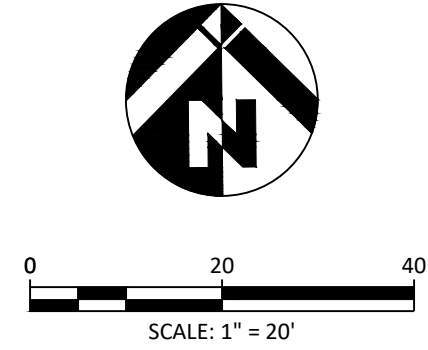
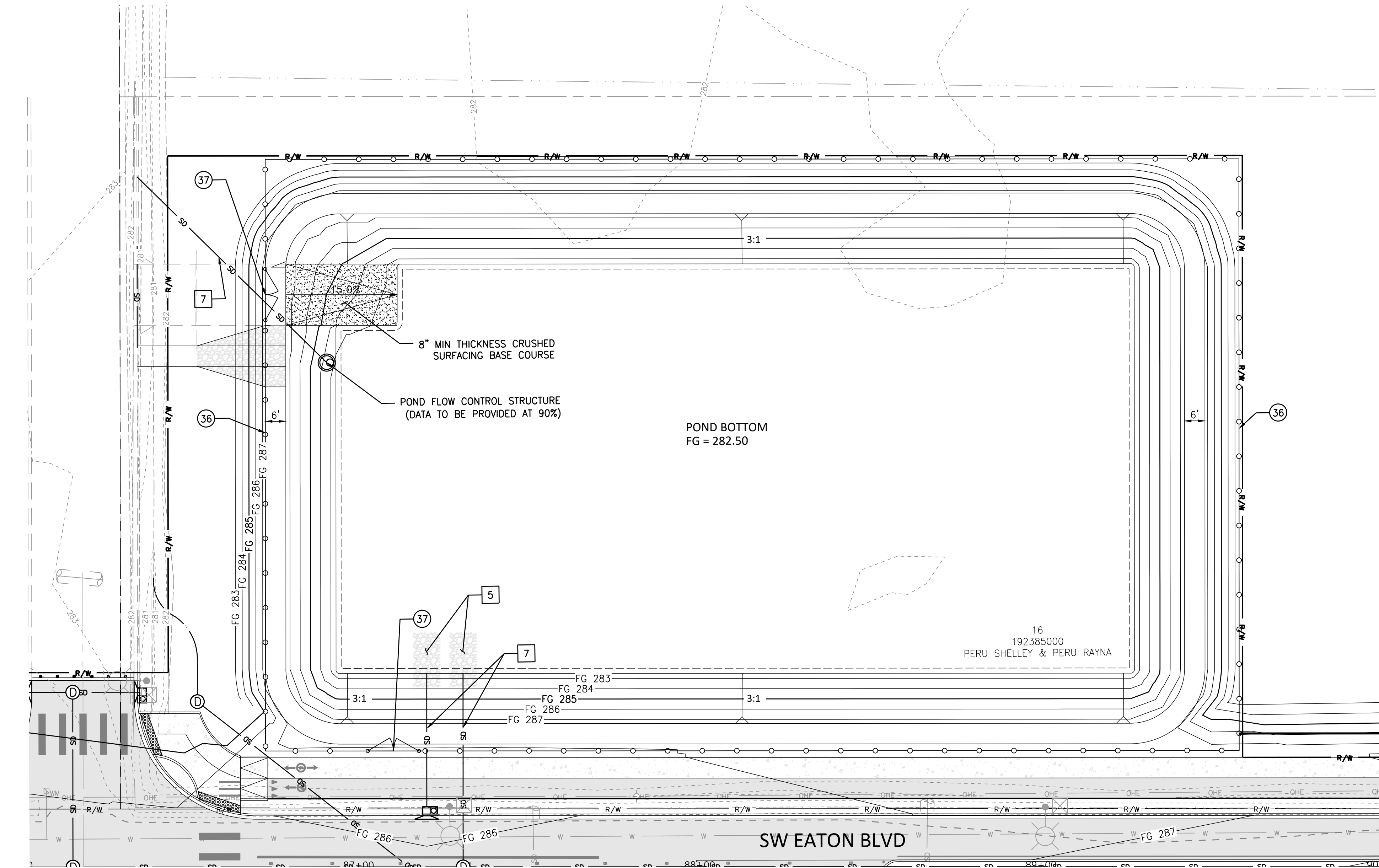
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REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY:
DRAWN BY:
CHECKED BY: ME

60% SUBMITTAL

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_C21_C23_STREET PLAN AND PROFILE.DWG



GENERAL NOTES

SEE SHEET G02 - G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.

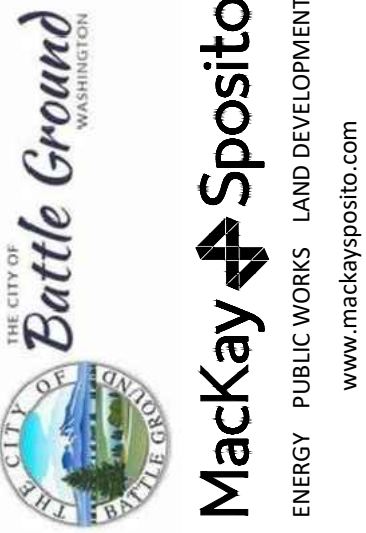
SEE SHEET D01 - D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

- 1 CONSTRUCT CURB AND GUTTER PER DETAIL TR-3.00
- 3 CONSTRUCT VERTICAL CURB PER DETAIL TR-3.00 (TYP)
- 4 CONSTRUCT CURB AND GUTTER TRANSITION PER DETAIL TR-3.02
- 5 CONSTRUCT DRIVEWAY-DETACHED SIDEWALK PER DETAIL TR-3.04
- 6 CONSTRUCT DRIVEWAY-ATTACHED SIDEWALK PER DETAIL TR-3.05
- 7 CONSTRUCT SIDEWALK PER DETAIL TR-4.00 (TYP)
- 8 CONSTRUCT COMMERCIAL SIDEWALK PER DETAIL TR-4.01
- 9 CONSTRUCT INTERSECTION ISLAND PER DETAIL 4.0
- 10 CONSTRUCT TYPE 1A CURB RAMP PER DETAIL TR-4.05
- 11 SAWCUT AND PAVEMENT RESTORATION PER DETAIL TR-5.00
MATCH PROPOSED EDGE OF PAVEMENT TO EXISTING PAVEMENT
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- 28 CONSTRUCT V-DITCH PER DETAIL XX, (TO BE PROVIDED AT 90%)
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- 32 CONSTRUCT CEMENT CONCRETE CURB AND GUTTER PER DETAIL F-10.12-04
- 36 INSTALL CHAIN LINK FENCE PER DETAIL ST-8.00
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STORMWATER NOTES

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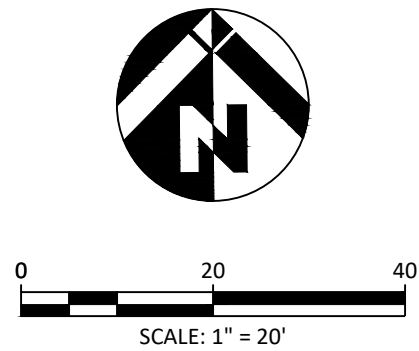
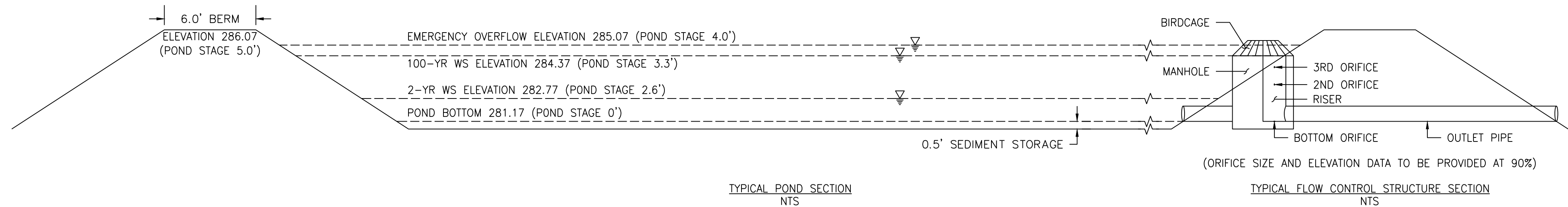
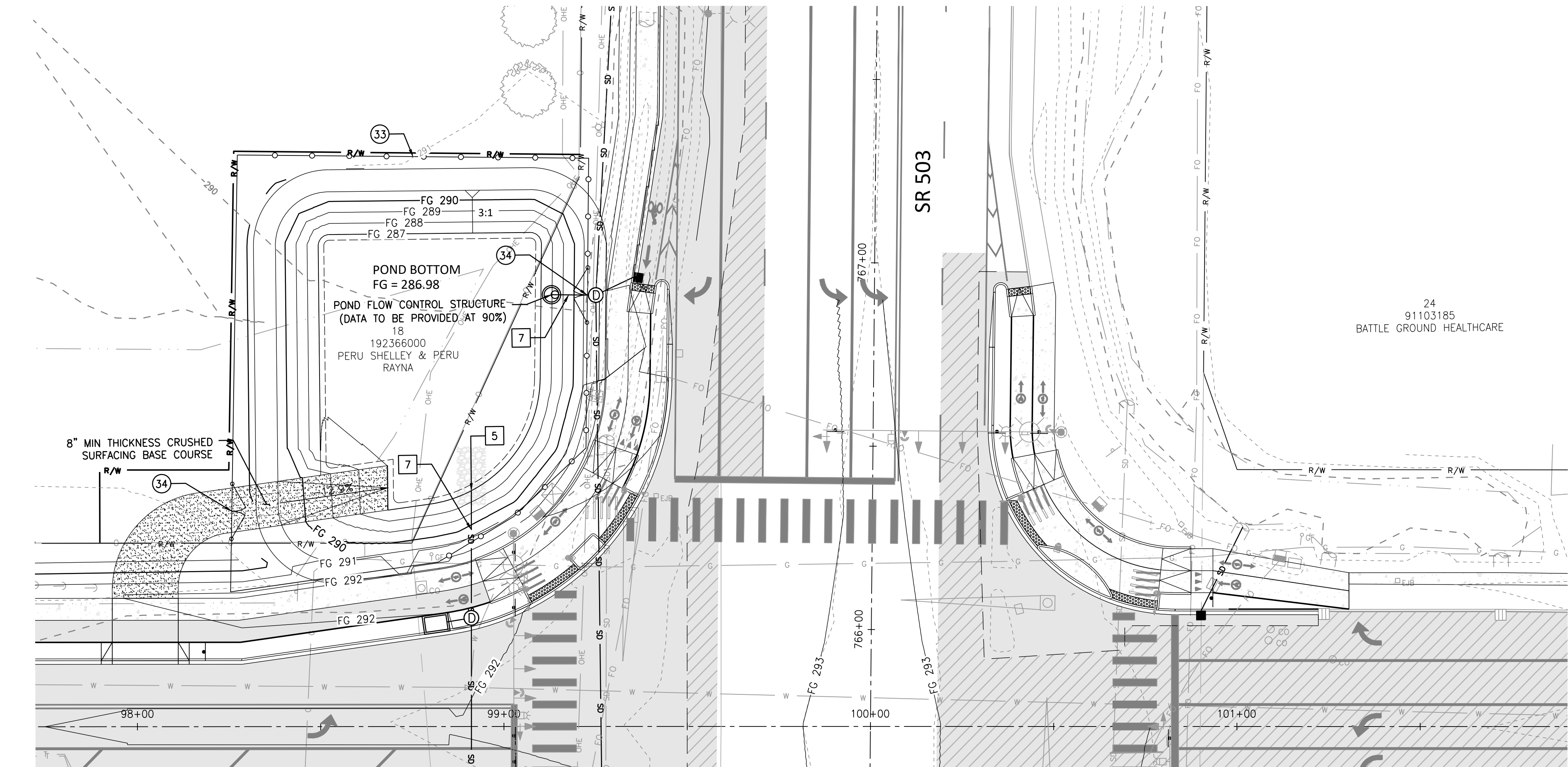
SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
POND B

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 40'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

60% SUBMITTAL

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_C21_C23_STREET PLAN AND PROFILE.DWG



GENERAL NOTES

SEE SHEET G02 – G08 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND, AND TYPICAL PAVEMENT SECTIONS.
SEE SHEET D01 – D10 FOR STREET AND STORMWATER STANDARD DETAILS

STREET NOTES

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- 11) INSTALL TYPE 3 MH PER DETAIL B-15.60-02 (DATA WILL BE PROVIDED AT 90%)
- 12) INSTALL CATCH BASIN TYPE 1 PER ST-3.00A (DATA WILL BE PROVIDED AT 90%)

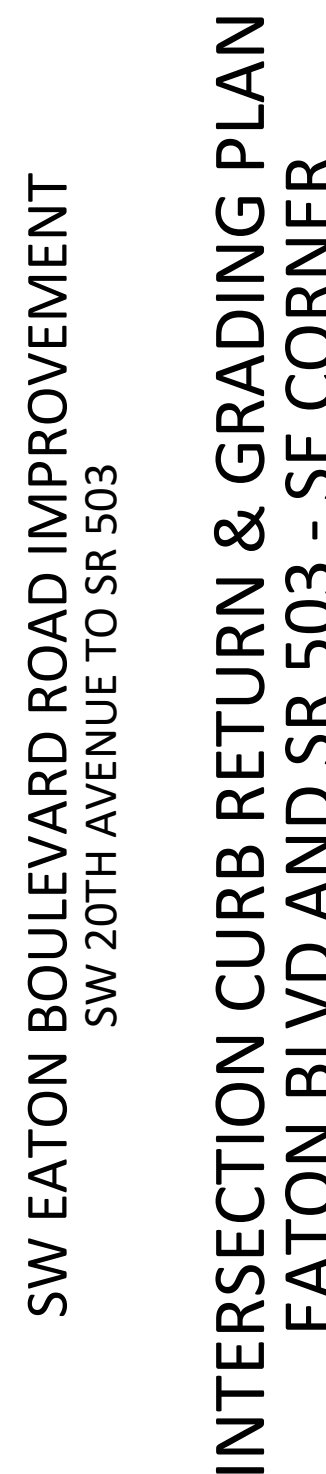


SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM PLAN AND PROFILE
POND C

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	ME

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N01

NO. 66 OF X

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
SEE TRAFFIC SIGNAL PLANS FOR SIGNAL AND PEDESTRIAN CROSSING
INFORMATION.
SEE UTILITY PLANS FOR WATER AND SANITARY SEWER IMPROVEMENTS.
SEE ROAD AND STORM PLAN AND PROFILE FOR ROAD IMPROVEMENTS.

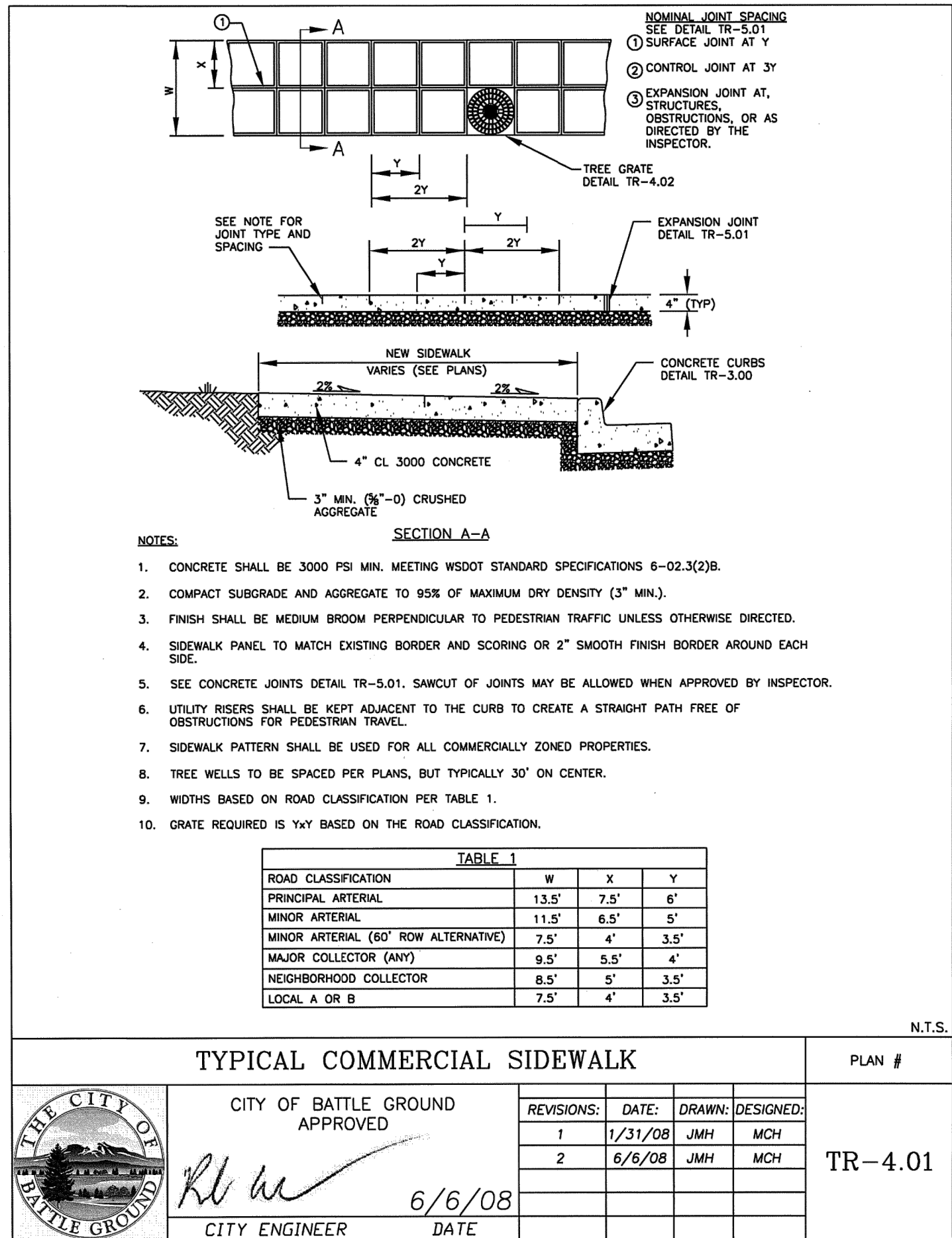
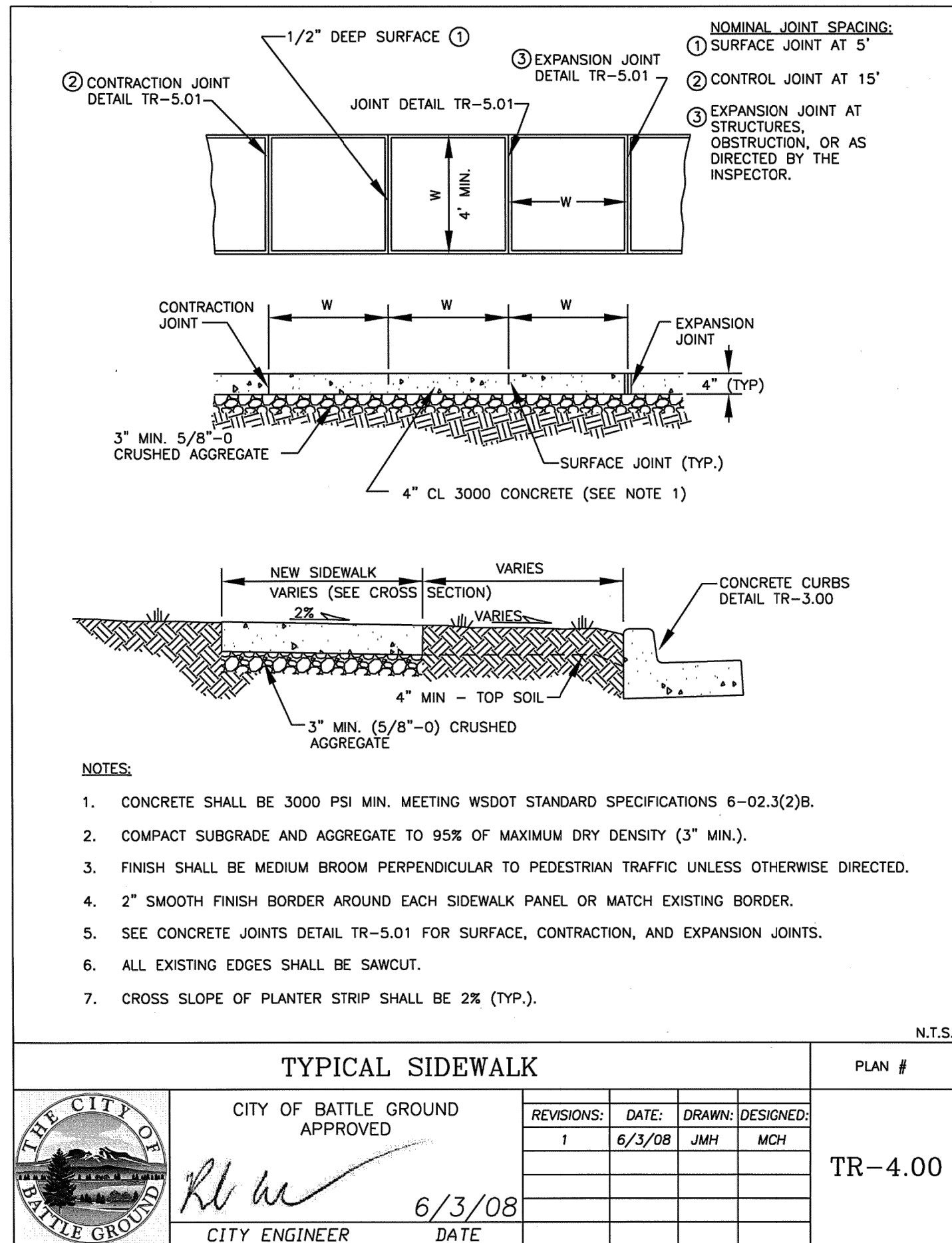
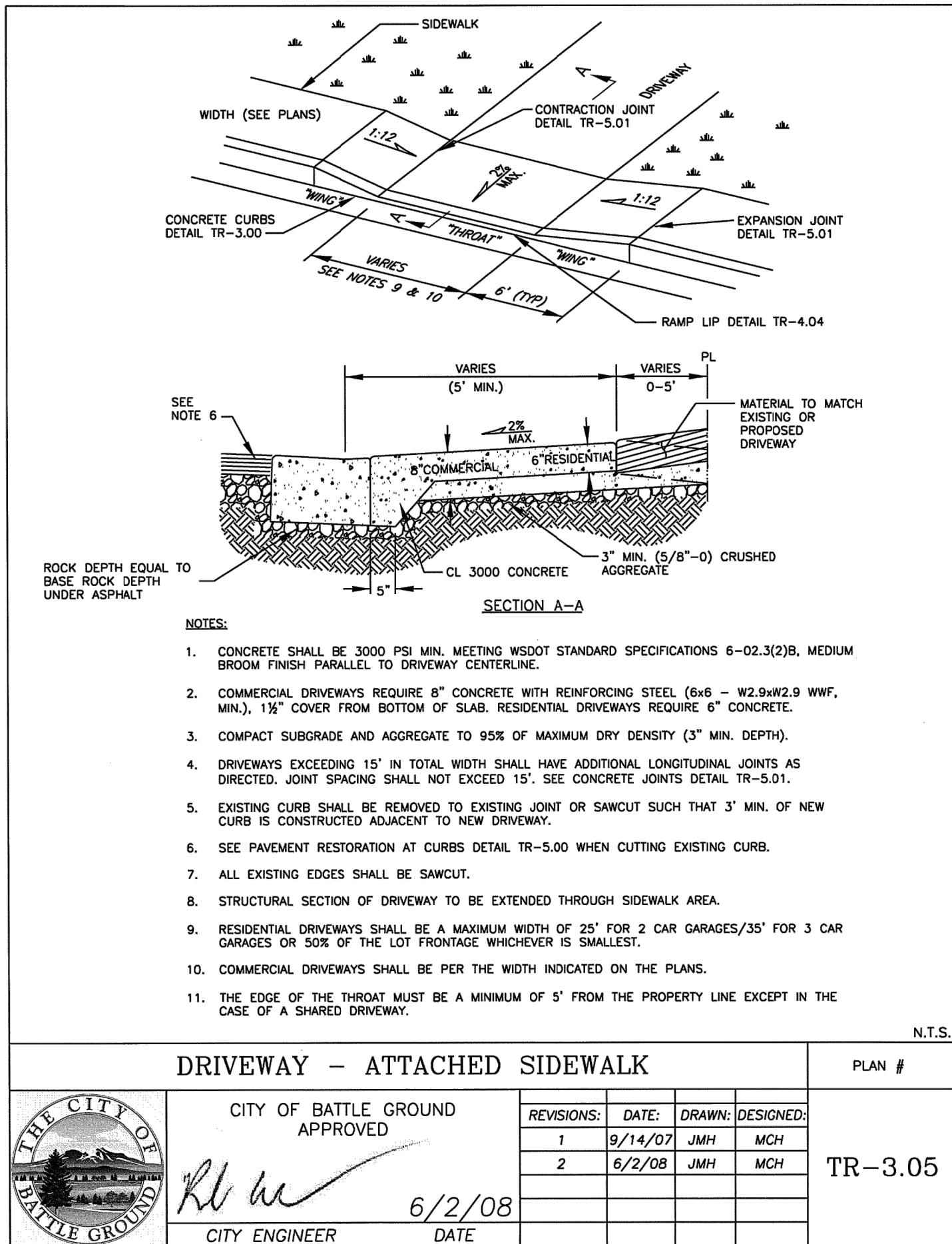
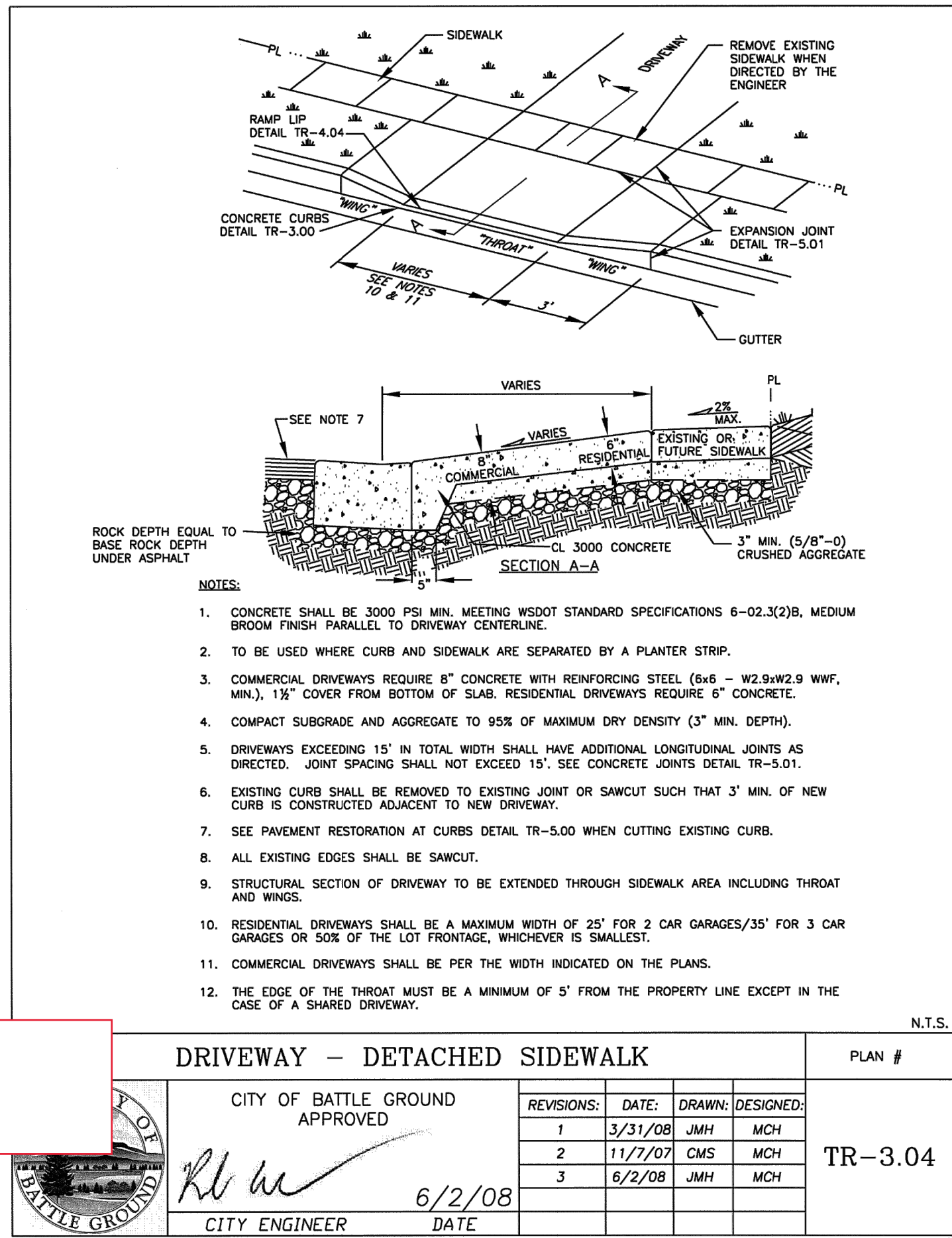
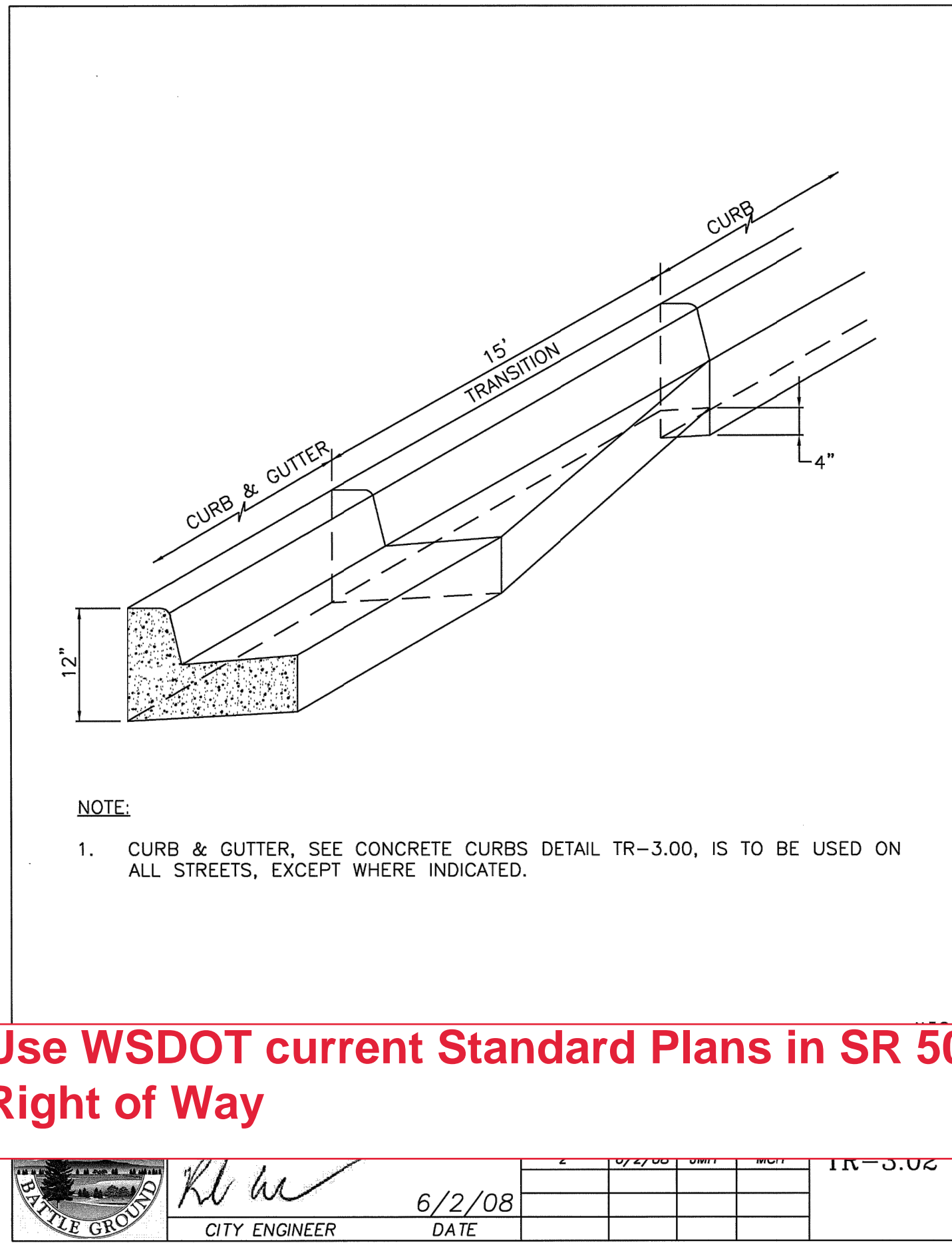
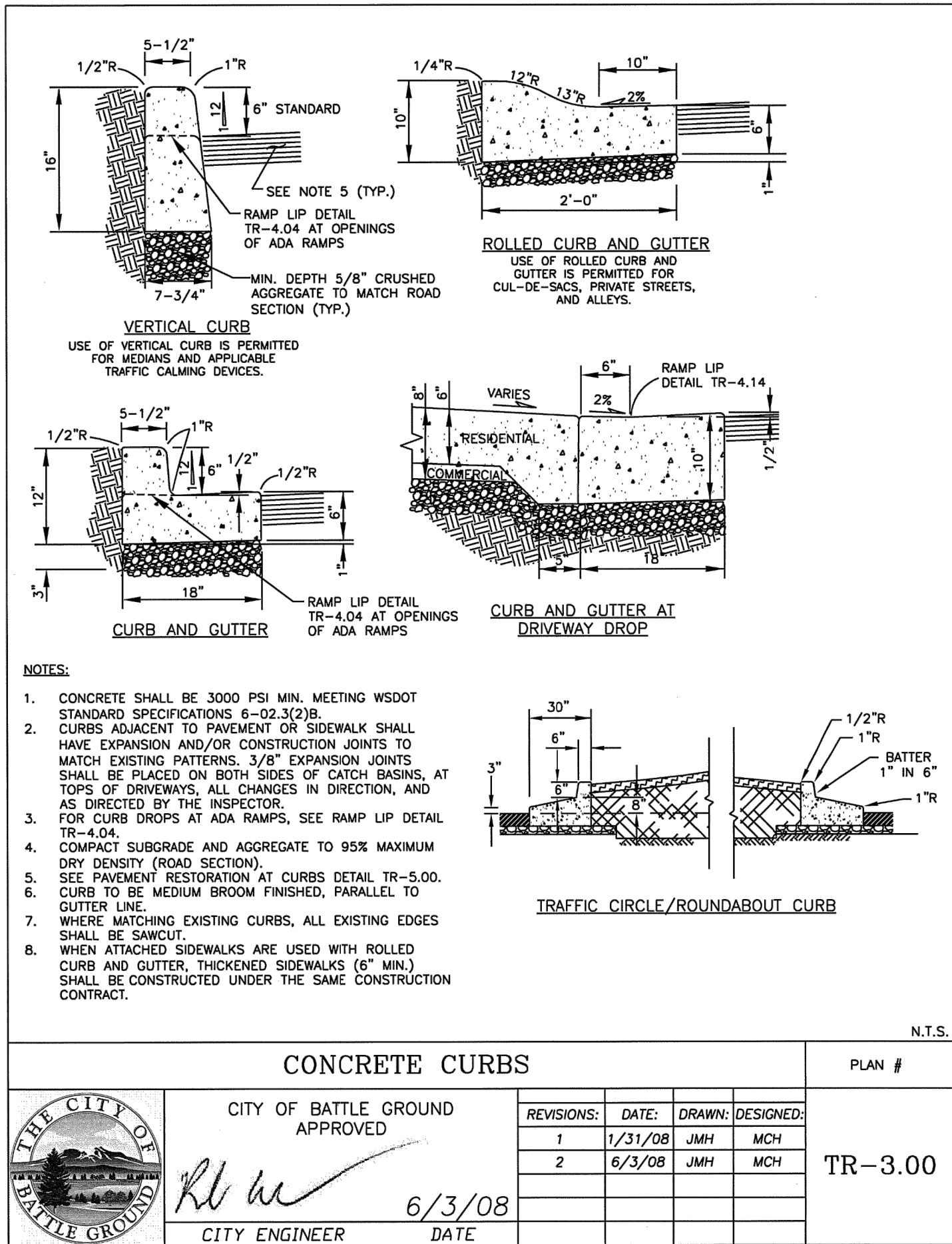
- ① CONSTRUCT CURB AND GUTTER, SEE STANDARD PLAN F-10.12.
- ② CONSTRUCT DEPRESSED CURB AND GUTTER, SEE WSDOT DETAIL F-10.10.
- ③ CONSTRUCT CONCRETE SIDEWALK, SEE STANDARD PLAN F-10.12.
- ④ CONSTRUCT HMA TRAIL, SEE TYPICAL SECTION PLAN SHEETS.
- ⑤ MATCH PROPOSED SIDEWALK TO EXISTING SIDEWALK.
- ⑥ CONSTRUCT INTERSECTION ISLAND PER DETAIL C4.0

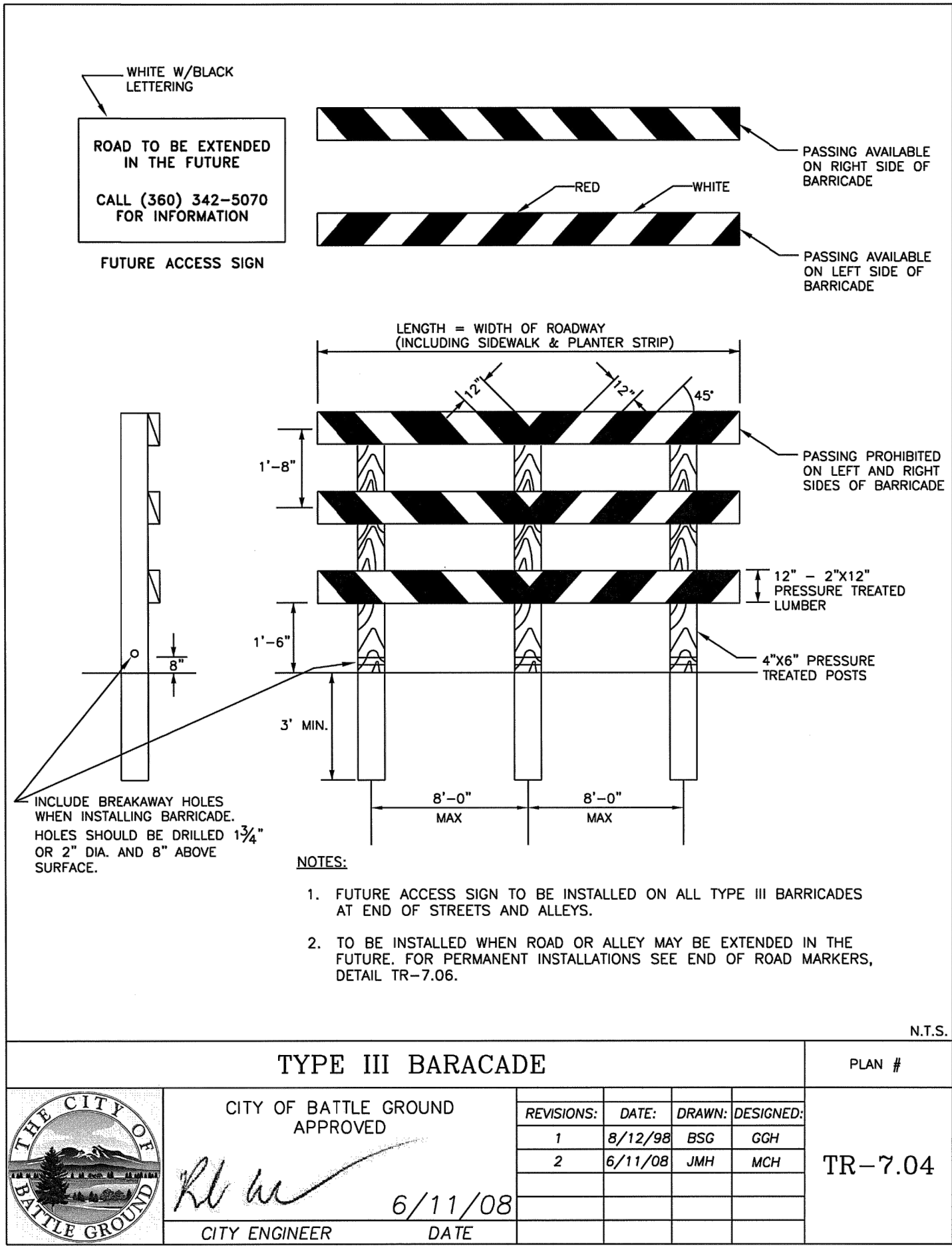
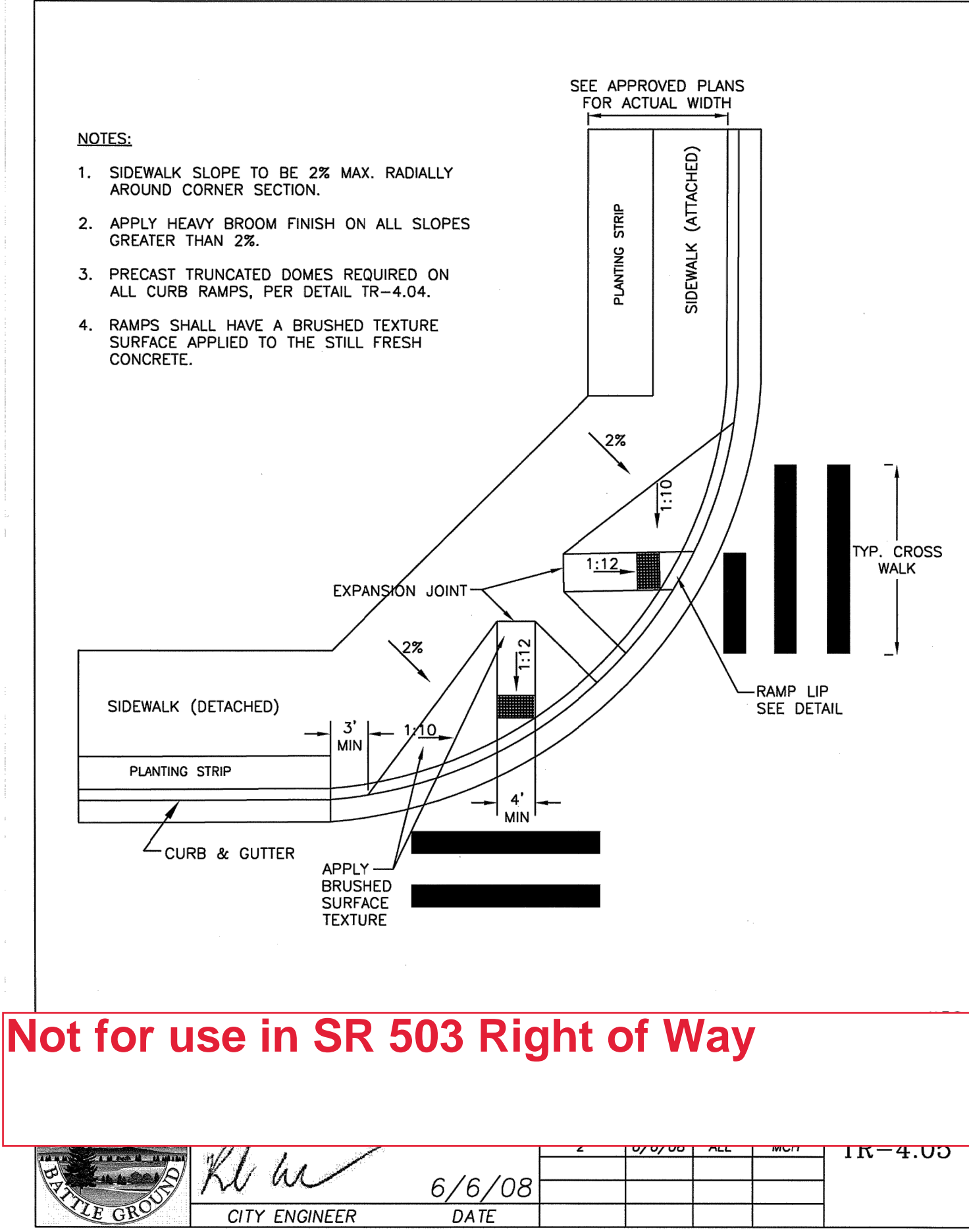
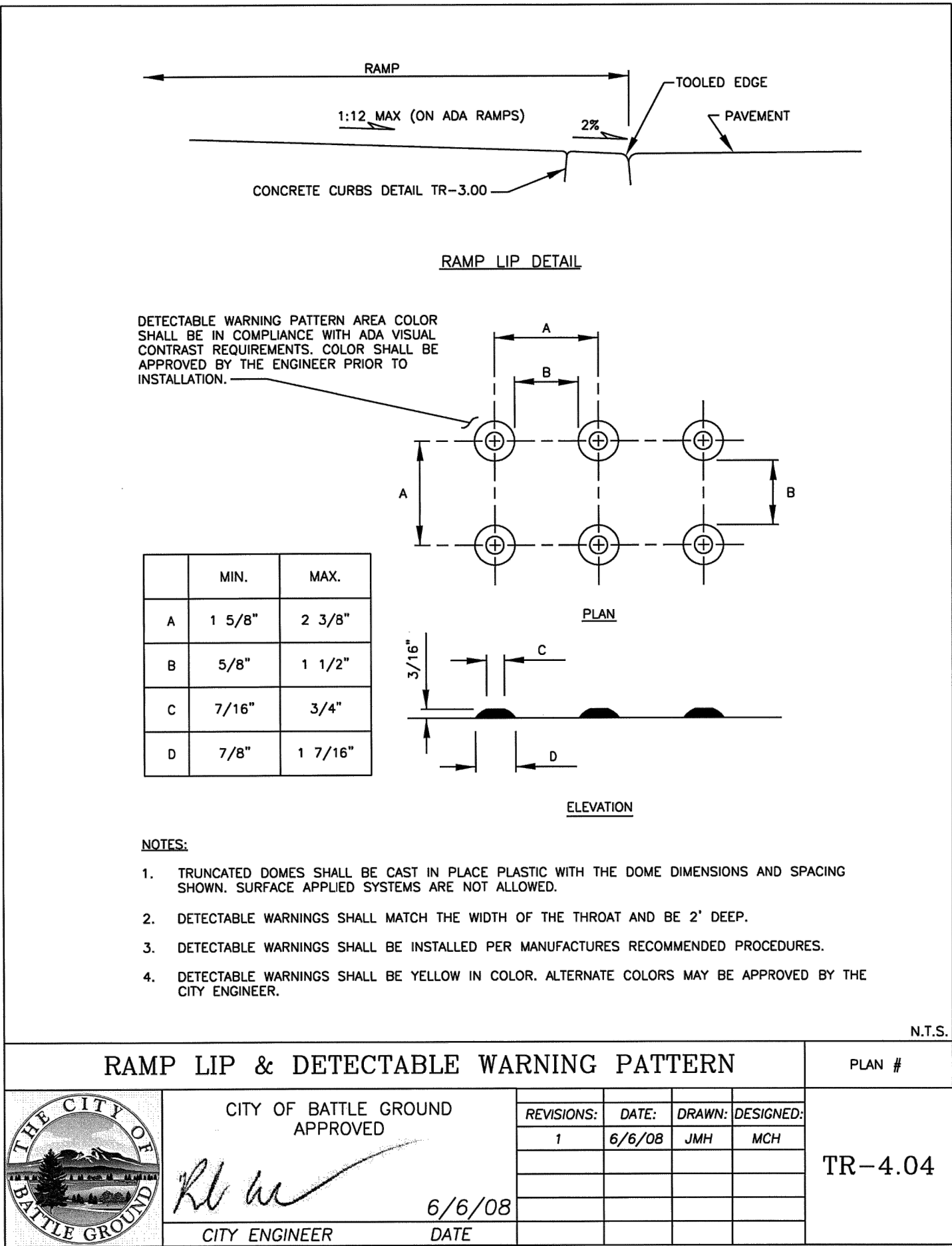
L - LANDING
R - RAMP
S - SIDEWALK
T - TRANSITION
GUT - GUTTER FLOWLINE ELEVATION
FG - FUTURE GROUND ELEVATION
TC - TOP OF CURB ELEVATION

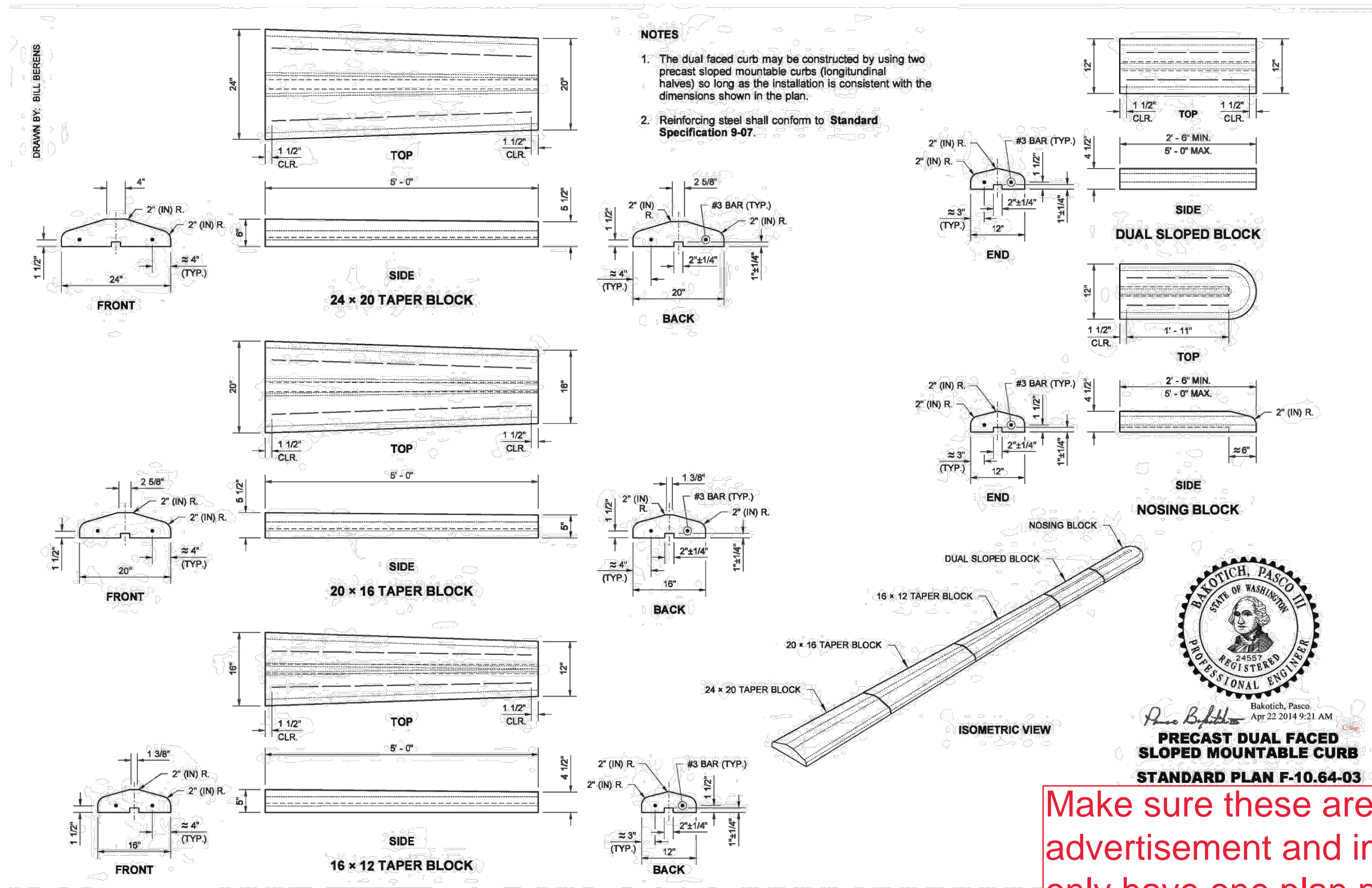


CURB RETURN DATA AND RAMP GRADING DETAILS

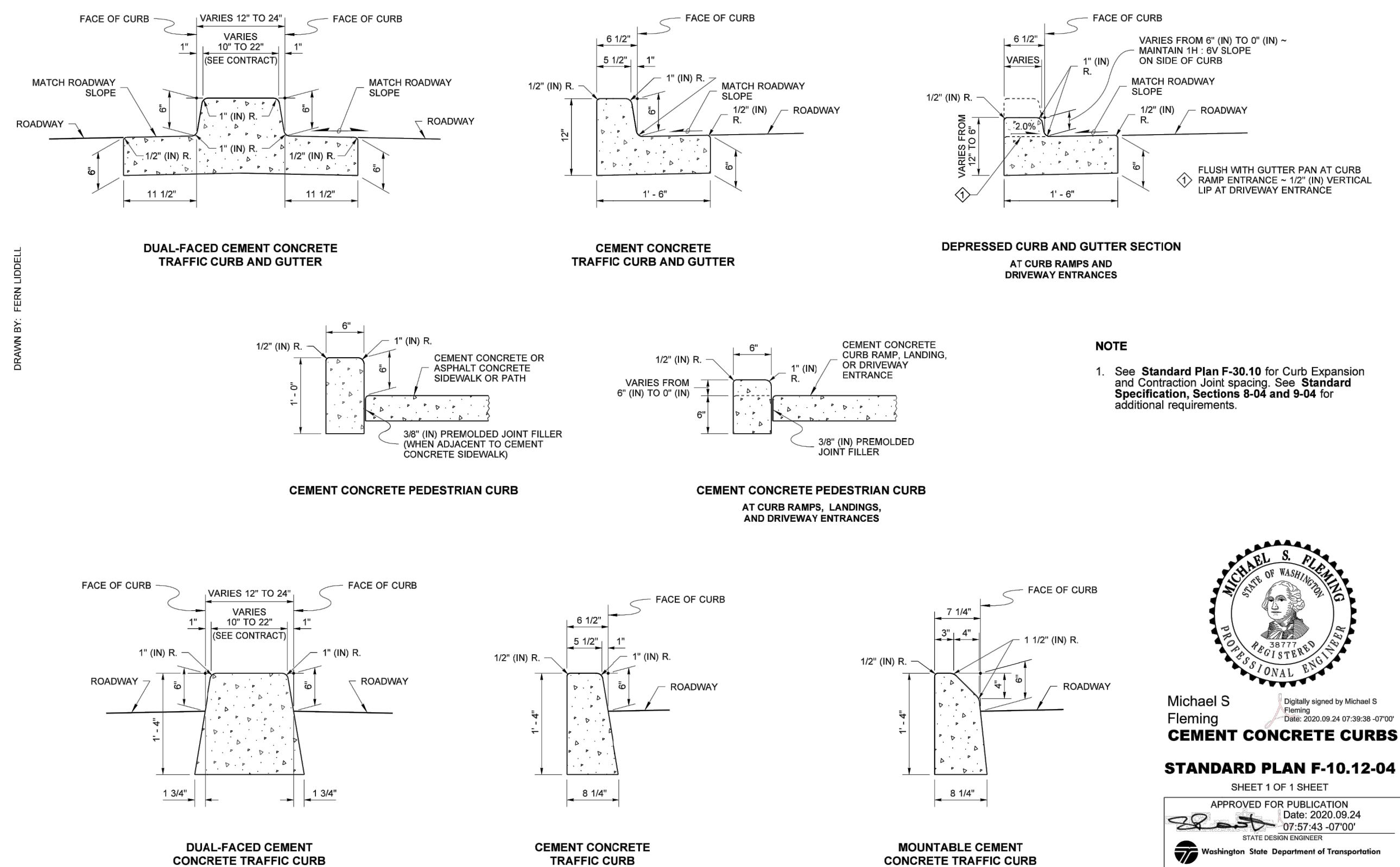
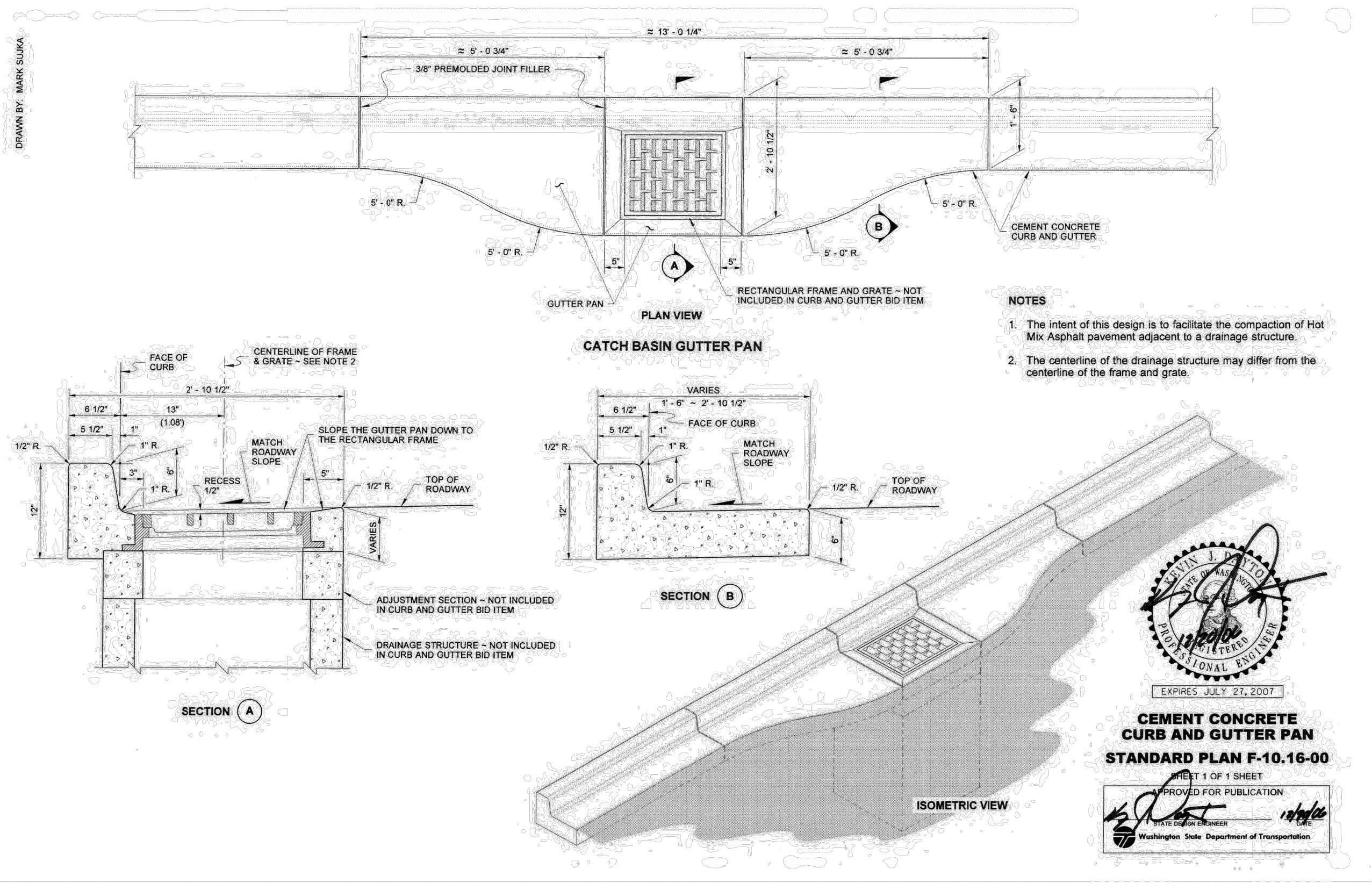
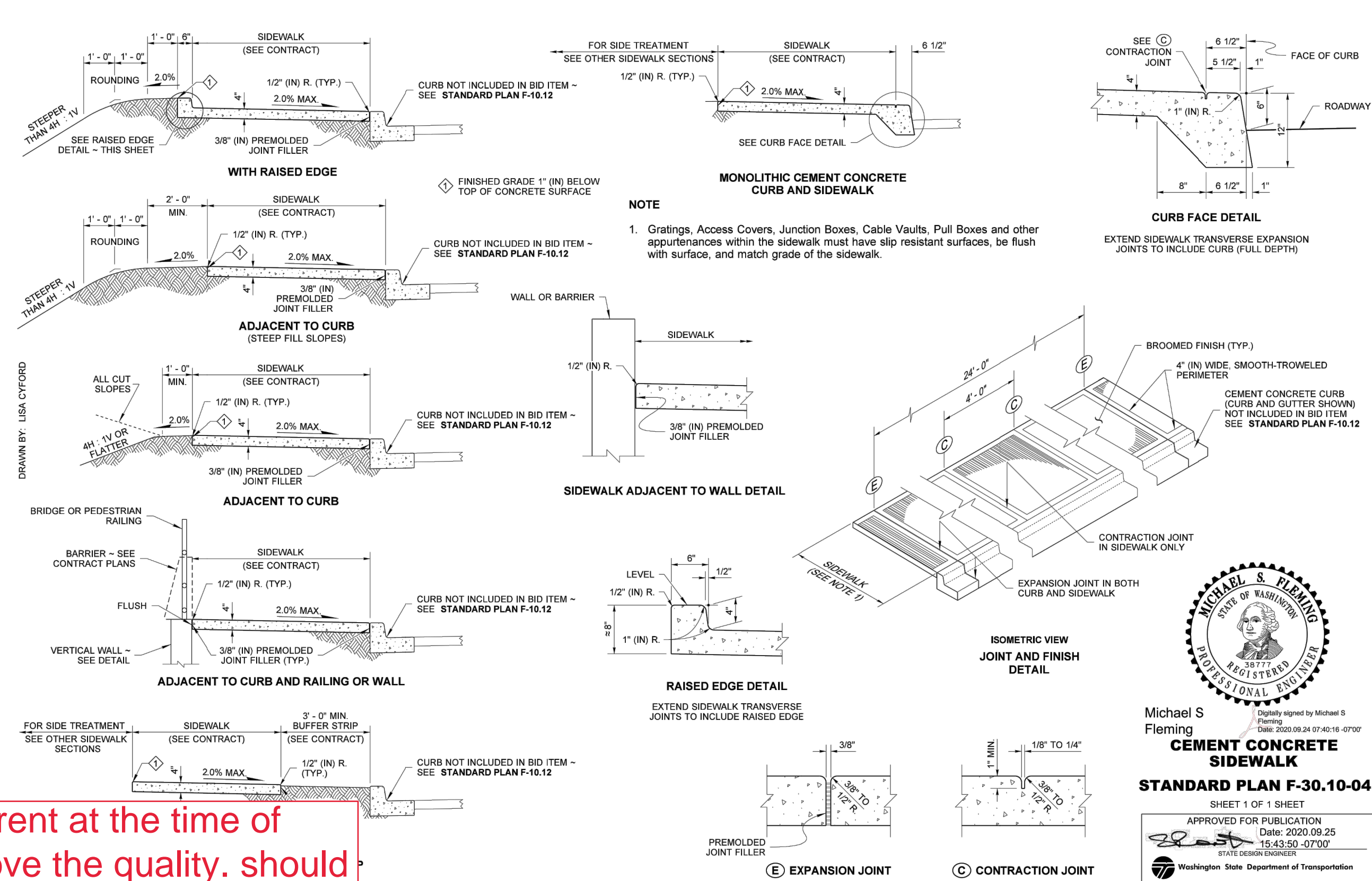
SW EATON BOULEVARD AND SR 503, SE CORNER







Make sure these are current at the time of advertisement and improve the quality. should only have one plan per page. 4 plans to a page is impossible to read



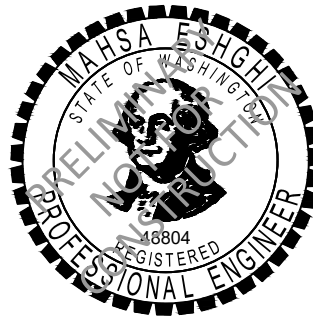
SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM DETAILS

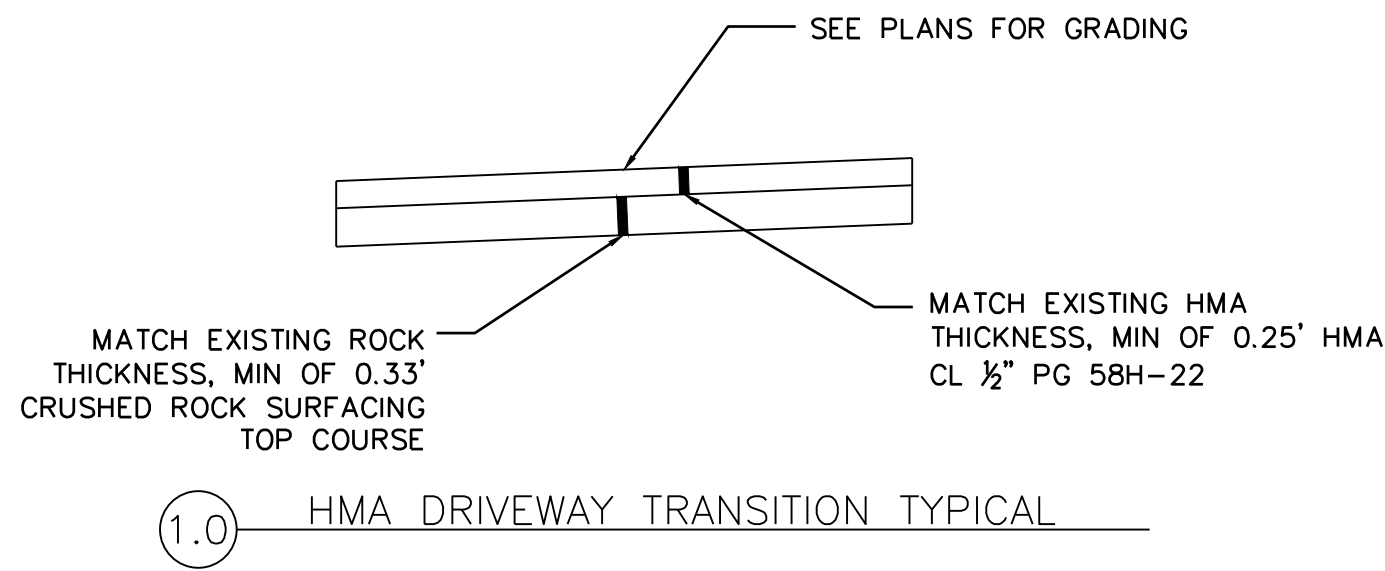
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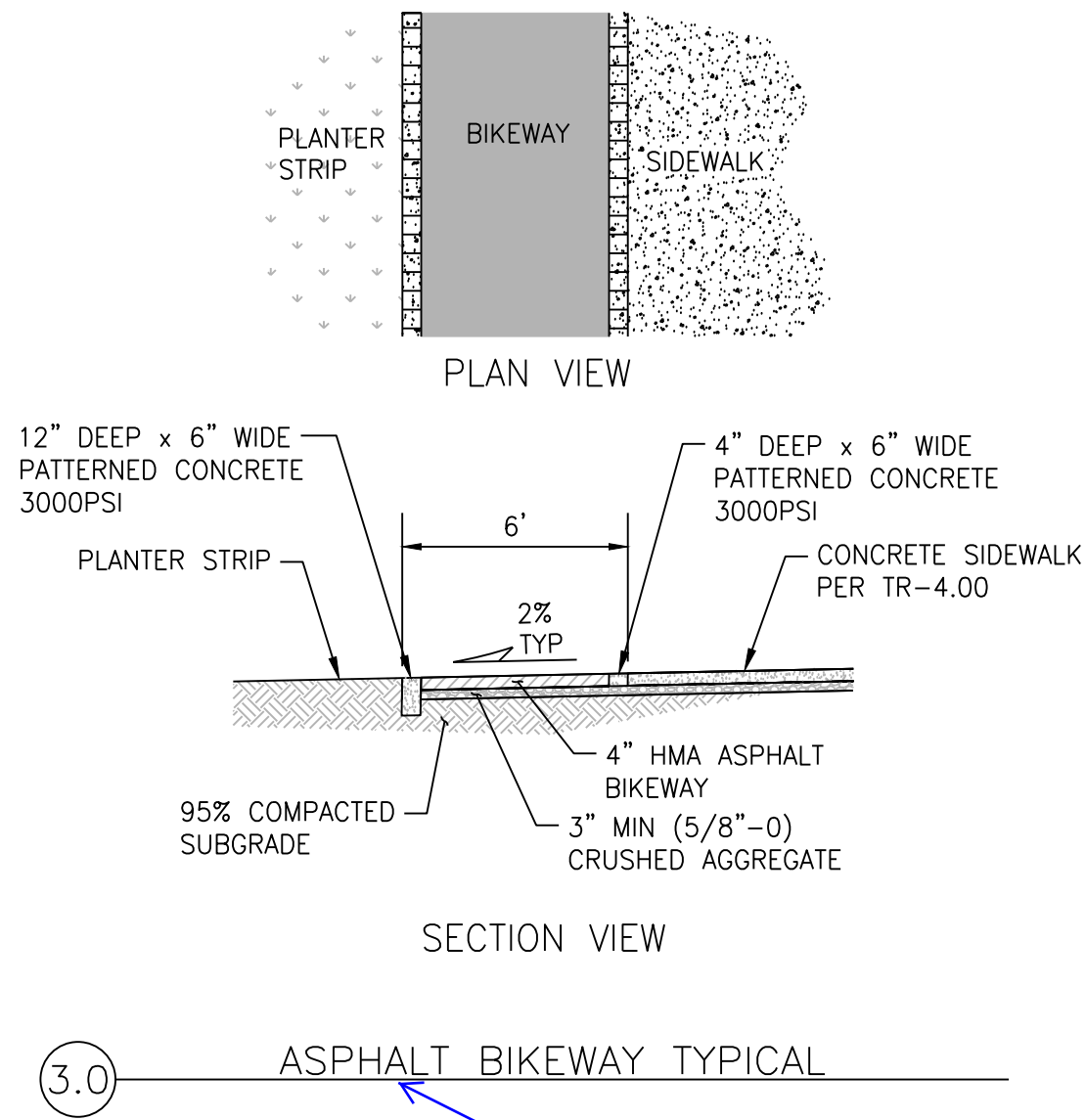
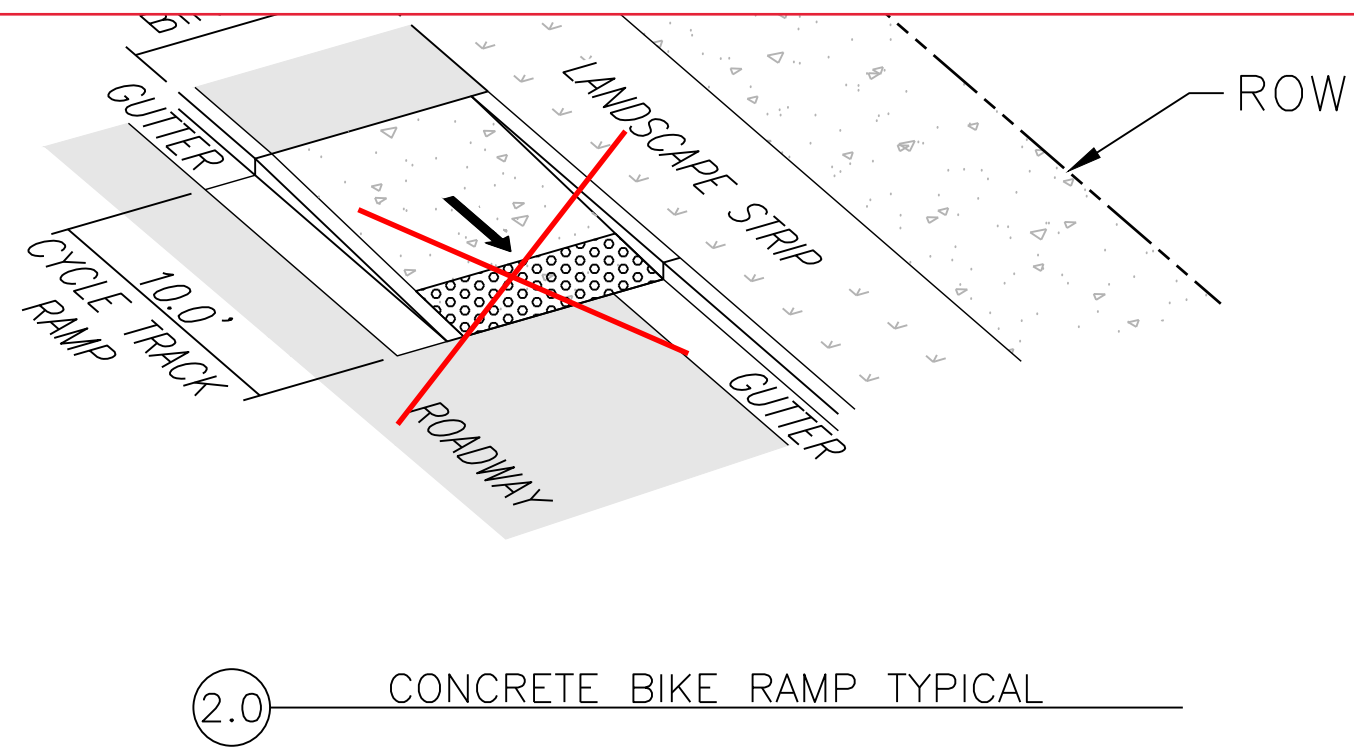
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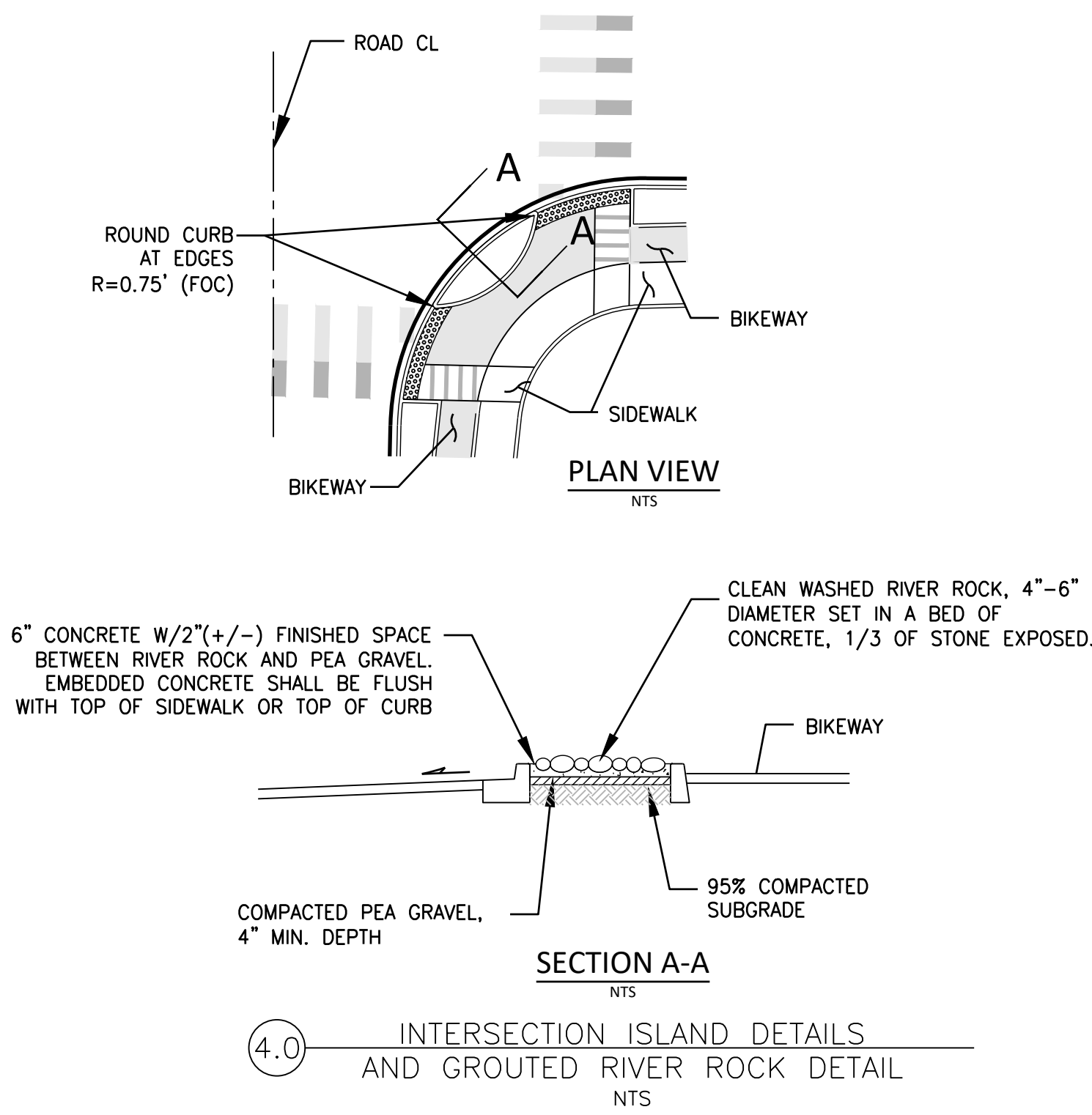
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Not for use in SR 503 Right of Way



Always use correct terminology...."
HMA" not "Asphalt"



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CONSTRUCTION NOTES:


- IN OVER EXCAVATED AREAS PROVIDE SUPPORT FOR THE PIPE AS FOLLOWS: PLACE ¾" MINUS CRUSHED ROCK OVER UNDISTURBED GROUND IN 6" LAYERS AND COMPACT.
- BACKFILL MATERIAL BELOW & TO SIDE OF STRUCTURE SHALL BE ASTM D2321 CLASS I OR II CRUSHED STONE OR GRAVEL, PLACED UNIFORMLY. BACKFILL TO MEET WSDOT 7-05 & AASHTO T-99 95% COMPACTION.
- ALL DIMENSIONS SUBJECT TO ALLOWABLE SPECIFICATION TOLERANCES.
- LATERALS WILL BE CONSTRUCTED TO ENTER THE STRUCTURE PERPENDICULAR TO THE WALL. THE LATERAL WILL ENTER ONLY AT THE LOCATION OF KNOCKOUT WITH NO LATERALS ALLOWED TO ENTER THE BASE AT THE CORNERS. IF NEEDED, A 45° BEND (MAX.) MAY BE USED WITHIN 5 FEET OF STRUCTURE.
- TAPER GUTTER DOWN TO INLET. (CURB INLET & COMBINATION CURB INLET ONLY)
- GUTTER PAN TO BE UTILIZED ON CATCH BASIN TOP AND COMBINATION CURB INLET TOP PER STD. DETAIL ST-5.00.
- USE VANED GRATE WHERE LONGITUDINAL SLOPE IS 4% OR GREATER, SEE STD. DETAIL ST-5.02.
- USE HERRINGBONE GRATE WHERE LONGITUDINAL SLOPE IS LESS THAN 4%, SEE STD. DETAIL ST-5.02.
- INSTALL INLET STENCIL PER STD. DETAIL TR-8.09.
- INSTALL REMOVABLE OUTLET TRAP OR EQUAL PER STD. DETAIL ST-5.01.
- THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5'-0".
- ANY PROTRUDING ENDS OF PIPES SHALL BE TRIMMED FLUSH WITH THE INSIDE WALLS AND GROUTED TO THE SATISFACTION OF ENGINEER.
- LIFT HOLES MUST BE GROUTED.

STRUCTURE NOTES:

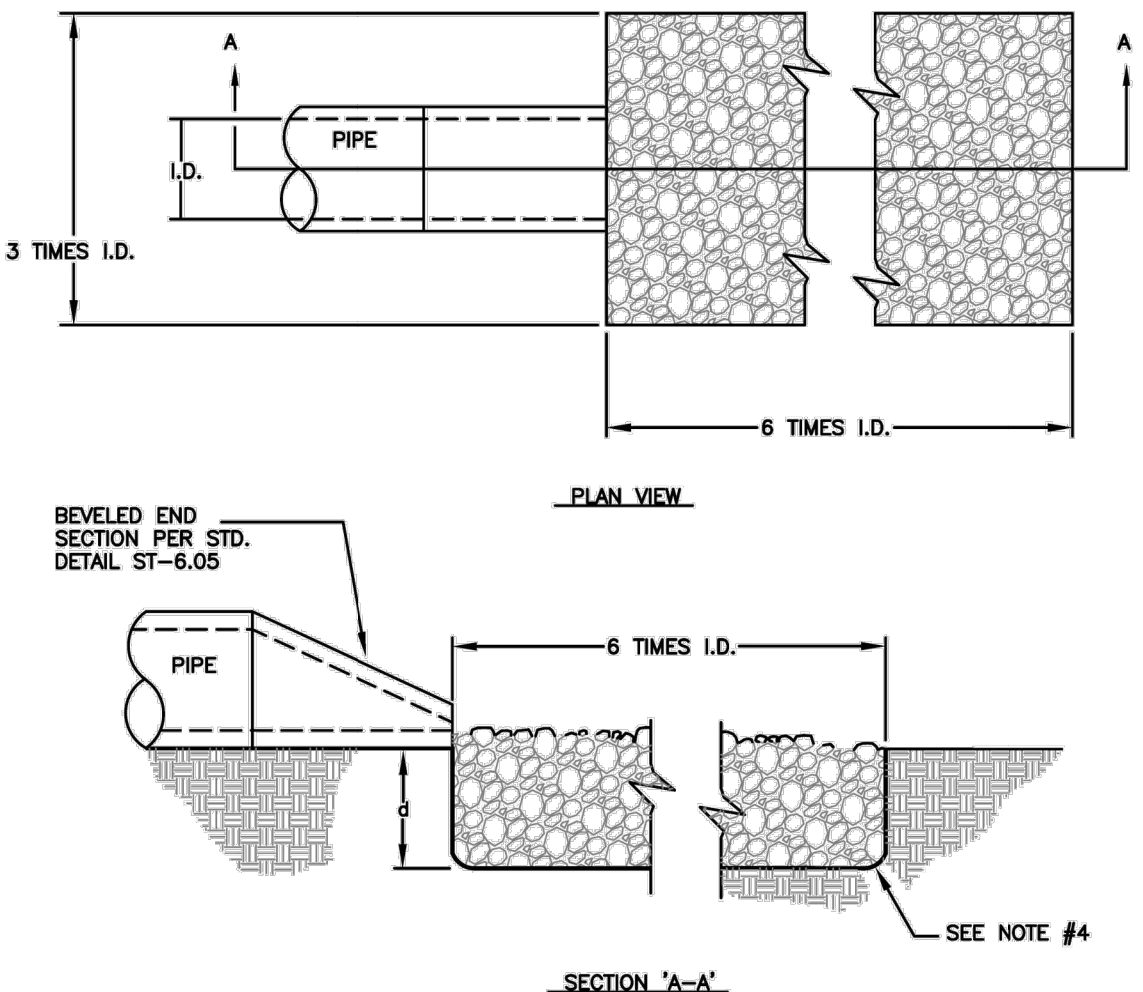
- STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 & C890 UNLESS SHOWN ON PLANS OR NOTED IN WSDOT STANDARD SPECIFICATIONS.
- BASE CONCRETE SHALL BE 3000 P.S.I., 2-4 IN. SLUMP. FLOW LINES AND INSIDE SURFACES SHALL BE TROWELED SMOOTH & UNIFORM AT TIME OF POUR.
- CAST-IN-PLACE, MONOLITHIC BASE UNIT MAY BE SUBSTITUTED WITH SPECIFIC APPROVAL OF THE ENGINEER.
- ALL JOINTS SHALL BE GROUTED WITH PORTLAND CEMENT CONCRETE GROUT & STRUCK EVEN WITH THE WALL. RISERS SHALL BE PREMOULDED.
- ALL REINFORCED STEEL SHALL HAVE 1 ½" CLEAR COVER UNLESS OTHERWISE NOTED, AND SHALL BE GRADE 60 (ASTM A615).
- STEEL REINFORCED OR POLYPROPYLENE FIBER REINFORCED UNITS ARE ALLOWABLE.
- MANUFACTURED COVERS, FRAMES, AND GRATES SHALL BE PART OF THE *BUY AMERICA* PROGRAM PER 0605.GR1 OF THE WSDOT GENERAL SPECIAL PROVISIONS DIVISION 1
- BASE UNIT SHALL HAVE 18" SUMP BELOW INVERT OUT.

FOR DETAIL STD. DETAIL ST-3.00A.

SHEET 2 OF 2 N.T.S.

CATCH BASIN (TYPE 1) NOTES						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-3.00B
		1	8/12/98	BSG	GGH	
		2	8/30/05	ALL	MCH	
		3	7/22/09	RMJ	RMJ	
		4	4/07/17	CAS	KDU	
CITY ENGINEER	DATE					


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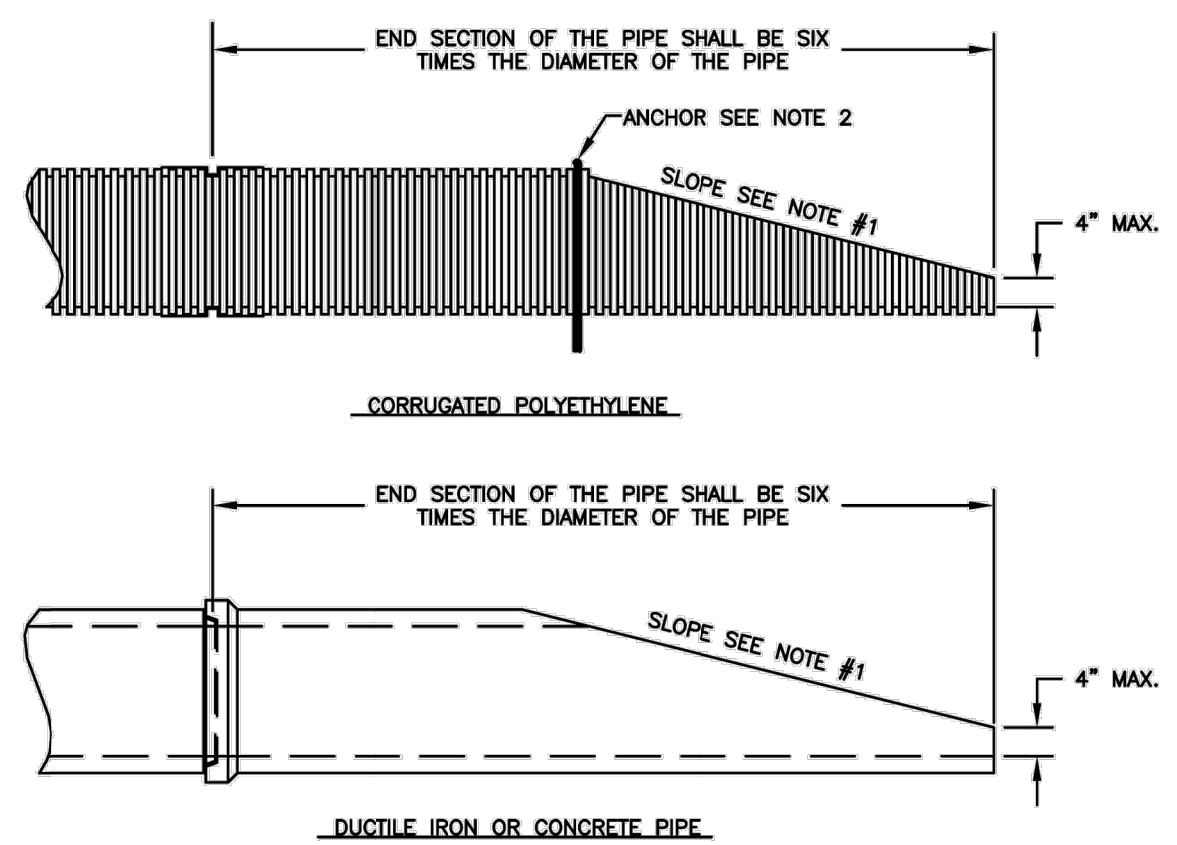


NOTES:

- ROCK MATERIAL SHALL BE BETWEEN 3" AND 8" AND INSTALLED PER WSDOT 9-13.1.
- d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 4.5".
- IN A WELL-DEFINED CHANNEL EXTEND RIP-RAP UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
- A FILTER BLANKET OR FILTER FABRIC SHALL BE INSTALLED BETWEEN THE RIP-RAP AND SOIL FOUNDATION.

SHEET 2 OF 2 N.T.S.


CATCH BASIN (TYPE 1) NOTES						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-3.00B
		1	8/12/98	BSG	GGH	
		2	8/30/05	ALL	MCH	
		3	7/22/09	RMJ	RMJ	
		4	4/07/17	CAS	KDU	
CITY ENGINEER	DATE					

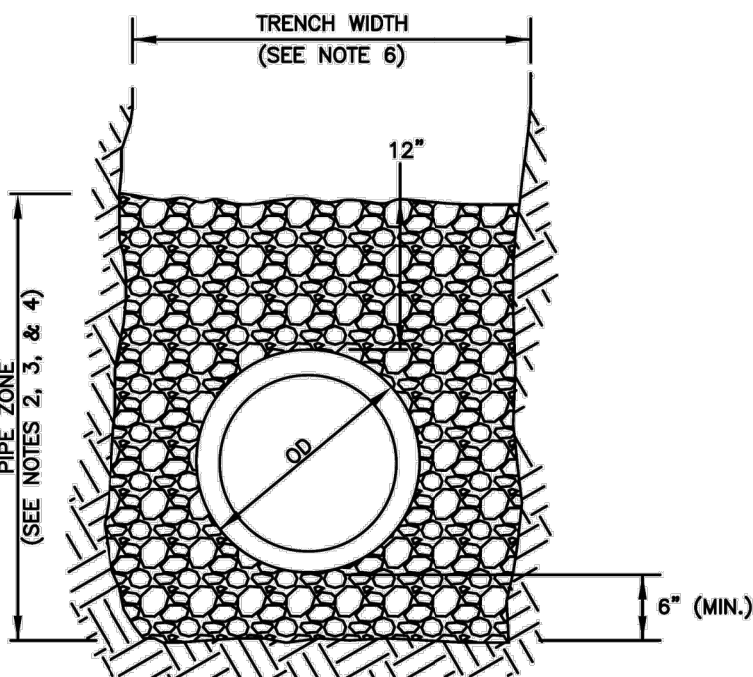


NOTES:

- THE CULVERT ENDS SHALL BE BEVELED TO MATCH THE EMBANKMENT OR DITCH SLOPE, WITHOUT EXCEEDING THE LIMITS SHOWN ON THE PLAN. SLOPE FOR BEVELED END SECTION SHALL MATCH BANK SIDE SLOPE UP TO A MAX. OF 3:1.
- THE END OF CORRUGATED POLYETHYLENE SHALL BE ANCHORED. SEE STD. DETAIL ST-7.03.
- FOR PIPES 15" OR LARGER, TRASH SCREEN REQUIRED. SEE STD. DETAIL ST-6.06.

SHEET 2 OF 2 N.T.S.


BEVELED END SECTION						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-6.05
		1	7/22/09	RMJ	RMJ	
		2	3/31/17	CAS	KDU	
CITY ENGINEER	DATE					

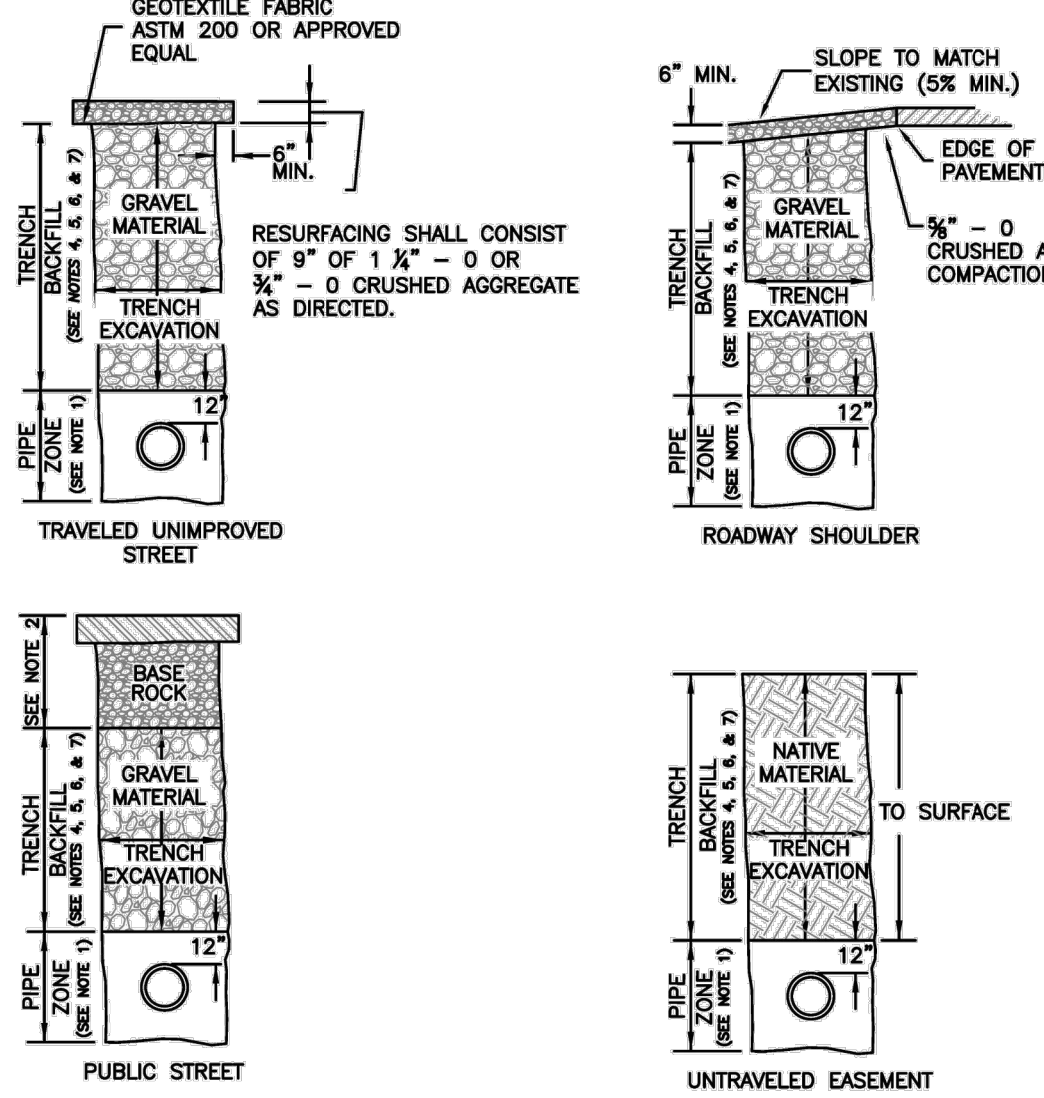


NOTES:

- WHERE DIRECTED BY THE ENGINEER, GRANULAR TRENCH FOUNDATION STABILIZATION SHALL BE PLACED PRIOR TO PLACEMENT OF THE BEDDING. SIZE AND DEPTH ARE DEPENDENT ON SOIL CONDITIONS.
- PIPE ZONE CONSTRUCTION SHALL BE PER WSDOT 7-08.3(1)C.
- PIPE ZONE MATERIAL SHALL BE PER WSDOT 9-03.12(3).
- BEDDING AND BACKFILL MATERIALS IN THE PIPE ZONE SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR (AASHTO T99) PRIOR TO BACKFILLING THE REMAINDER OF THE TRENCH.
- FOR ROCK AND OTHER INCOMPRESSIBLE MATERIALS, THE TRENCH SHALL BE OVER-EXCAVATED A MINIMUM OF 6" AND REFILLED WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER.
- TRENCH WIDTH SHALL NOT EXCEED ONE AND ONE-HALF THE INSIDE DIAMETER OF THE PIPE PLUS 18" CENTERED IN TRENCH.

N.T.S.


PIPE BEDDING (FLEXIBLE PIPE)						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-7.00
		1	8/12/98	BSG	GGH	
		2	8/30/05	ALL	MCH	
		3	3/28/07	JMH	MCH	
		4	7/22/09	RMJ	RMJ	
CITY ENGINEER	DATE					

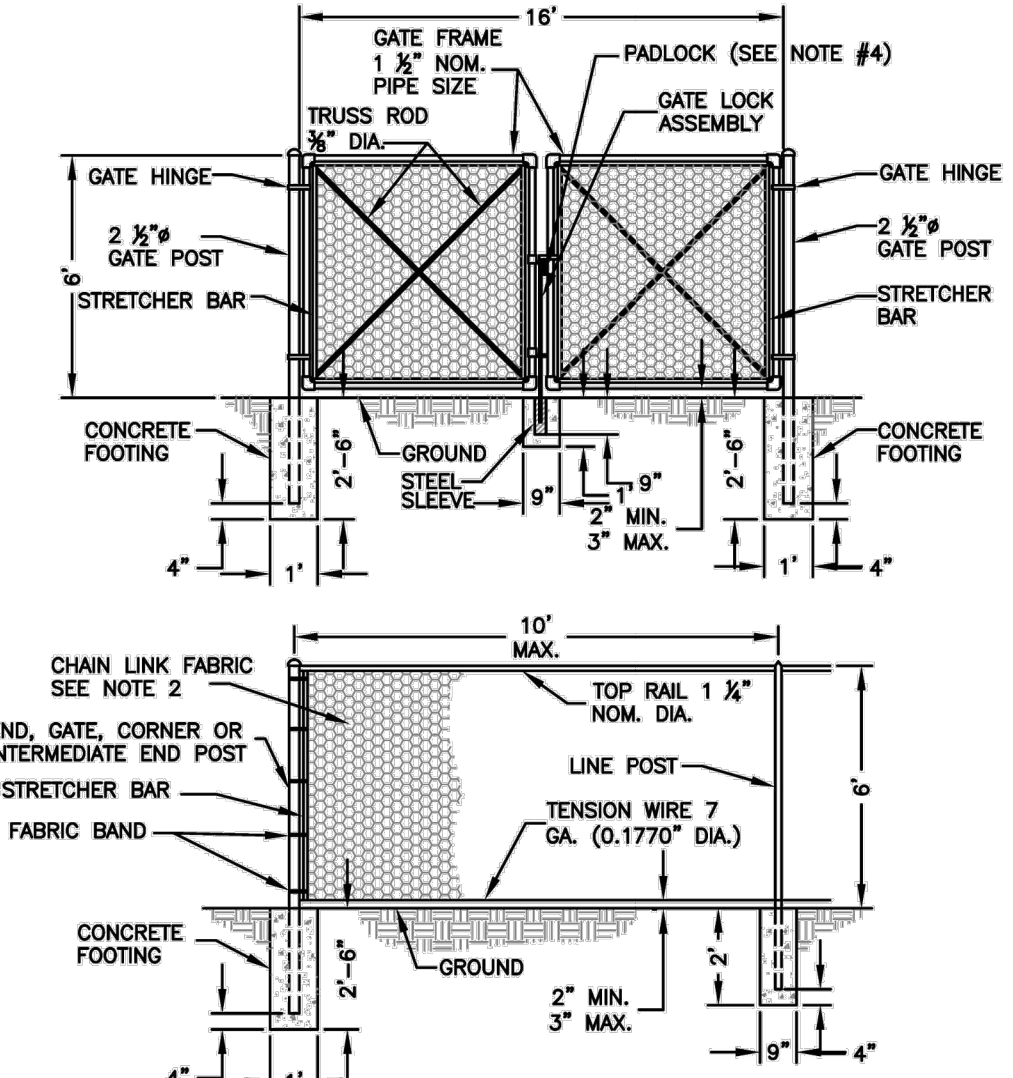


NOTES:

- FOR PIPE ZONE REQUIREMENTS, SEE STD. PLANS ST-7.00 (FLEXIBLE PIPE) AND/OR ST-7.01 (RIGID PIPE).
- ALL EXISTING PAVED SURFACES SHALL BE RESTORED PER STD. DETAIL TR-5.07A & TR-5.07B.
- TRENCH BACKFILL CONSTRUCTION SHALL BE PER WSDOT 7-08.3(3).
- TRENCH BACKFILL MATERIAL SHALL BE PER WSDOT 9-03.15 (NATIVE) OR 9-03.19 (GRAVEL).
- TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR (AASHTO T99).
- ALL BACKFILL SHALL BE MECHANICALLY COMPACTED IN LIFTS WHICH IN NO CASE EXCEED 12" LOOSE.

N.T.S.


TRENCH BACKFILL						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-7.02
		1	8/12/98	BSG	GGH	
		2	8/30/05	ALL	MCH	
		3	3/28/07	JMH	MCH	
		4	7/22/09	RMJ	RMJ	
CITY ENGINEER	DATE					



NOTES:

- ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- CHAIN LINK FENCE FABRIC TO MEET OR EXCEED REQUIREMENTS OF WSDOT STANDARD SPECIFICATIONS 9-16.1(1)A. CHAIN LINK FENCE FABRIC SHALL BE HOT DIP GALVANIZED WITH A MINIMUM OF 0.8 OUNCE PER SQUARE FOOT OF SURFACE AREA. FENCING MATERIALS SHALL BE COATED WITH AN ULTRAVIOLET INSENSITIVE PLASTIC OR OTHER INERT MATERIAL AT LEAST 2 MILS IN THICKNESS. ANY PRETREATED OR COATING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. THE MANUFACTURER'S WRITTEN SPECIFICATIONS DETAILING THE PRODUCT AND METHOD OF FABRICATION SHALL BE PROVIDED TO CITY OF BATTLE GROUND PRIOR TO CONSTRUCTION.
- FENCE SHALL BE BLACK VINYL COATED.
- FENCE SHALL BE STRETCHED FROM CORNER POST TO CORNER POST. WRAPPING OF FENCE AROUND CORNER POST IS NOT PERMITTED.
- CONTRACTOR TO BE RESPONSIBLE FOR SUPPLYING LOCK. SPECIFICATIONS ON LOCK TO BE PROVIDED BY CITY INSPECTOR.

N.T.S.

CHAIN LINK FENCE & GATE						STANDARD DETAIL
	CITY OF BATTLE GROUND APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ST-8.00
		1	8/12/98	BSG	GGH	
		2	7/22/09	RMJ	RMJ	
		3	4/17/17	CAS	KDU	
CITY ENGINEER	DATE					

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM DETAILS

REVISIONS:

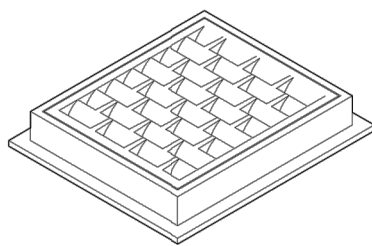
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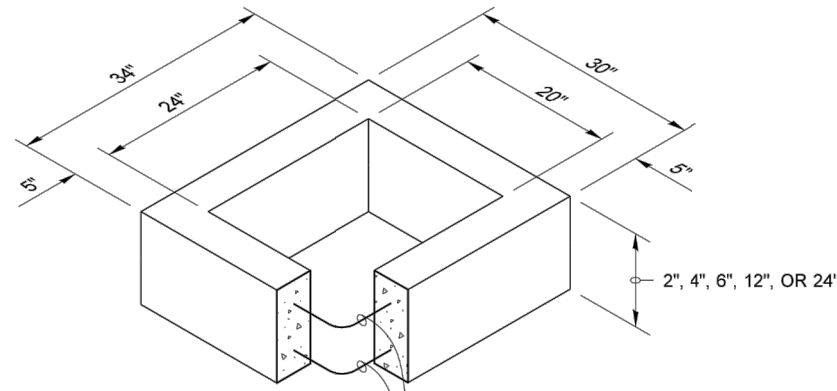
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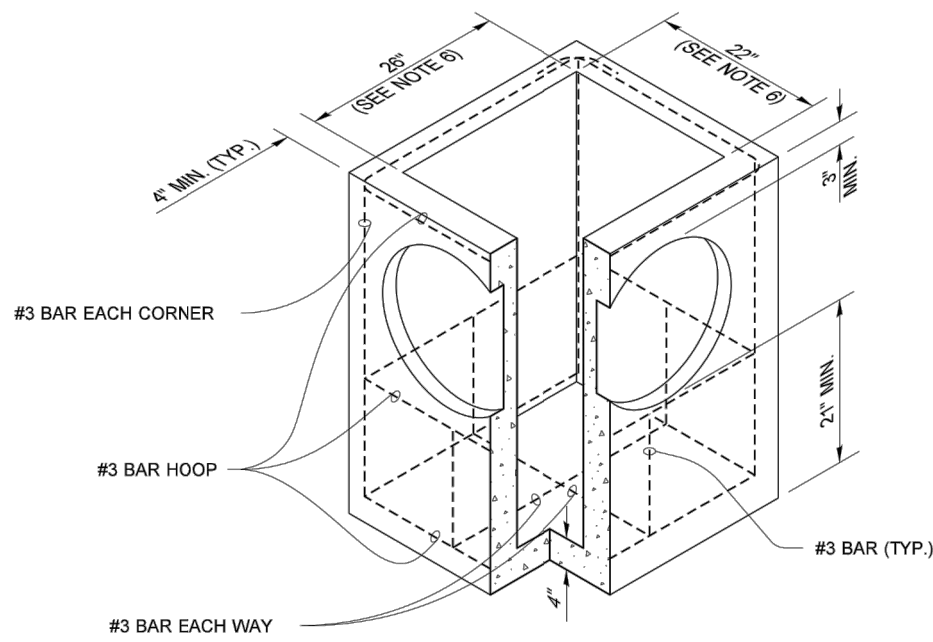
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FRAME AND VANED GRATE



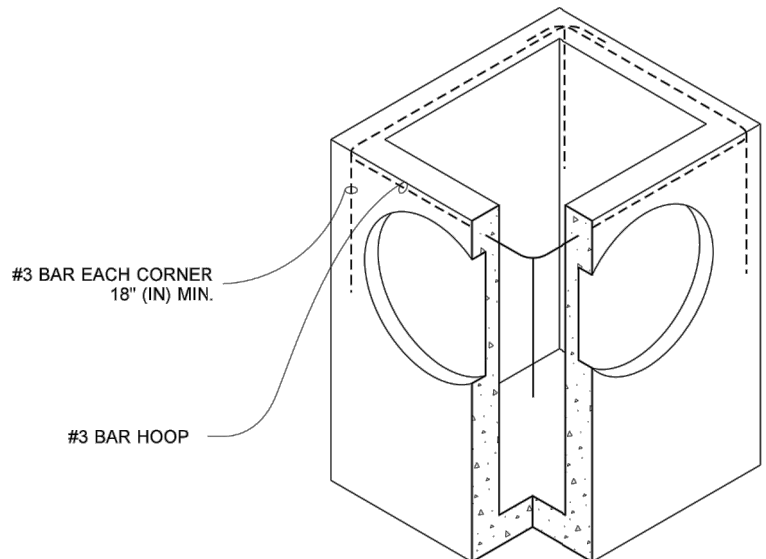
RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

★ CORRUGATED POLYETHYLENE STORM SEWER PIPE



ALTERNATIVE PRECAST BASE SECTION

NOTES

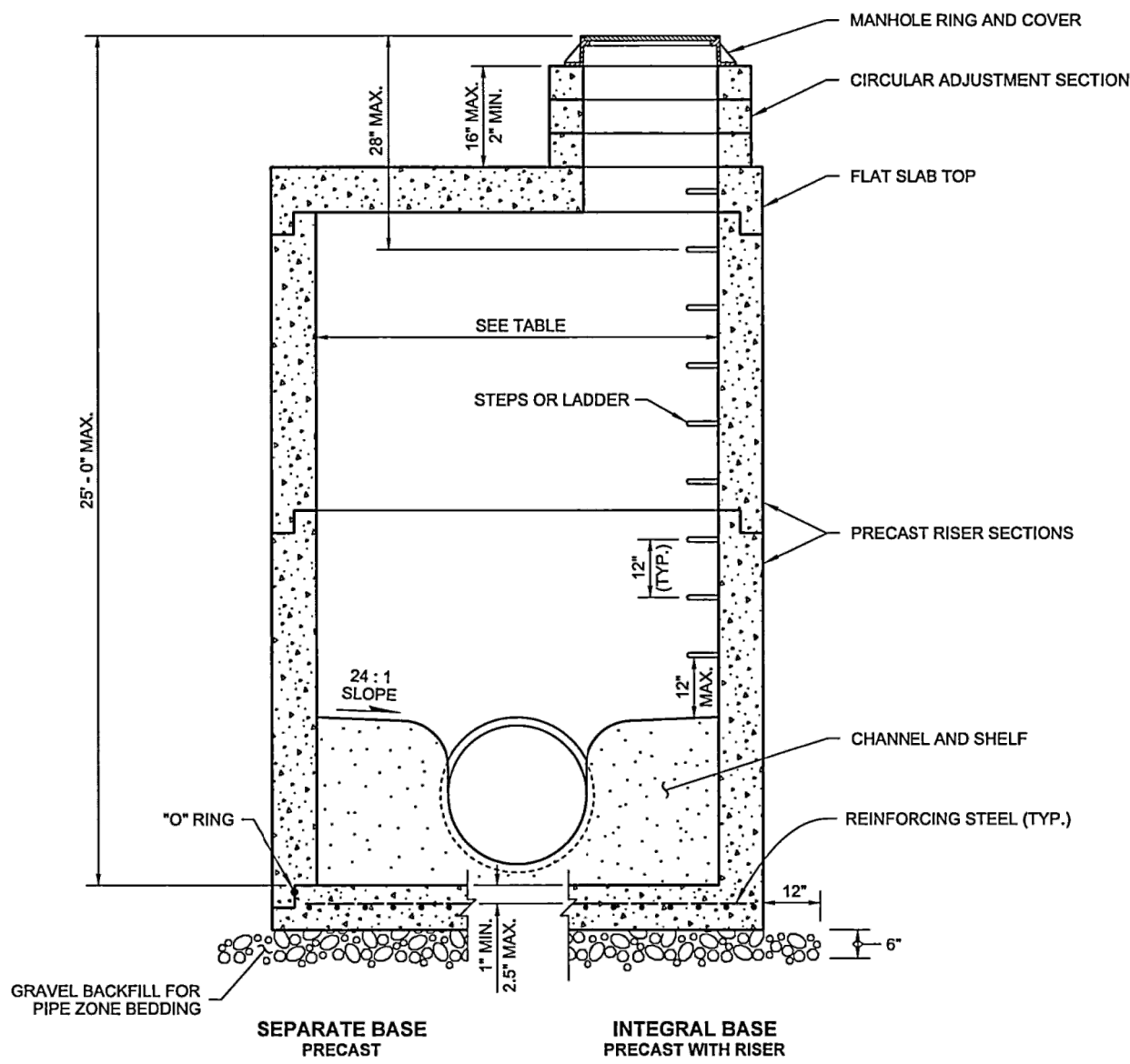
1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section**.
7. All pickup holes shall be grouted full after the basin has been placed.

DRAWN BY: LISA CYFORD



Julie Heilman
2020.09.01 07:52:50 -07'00'
CATCH BASIN TYPE 1

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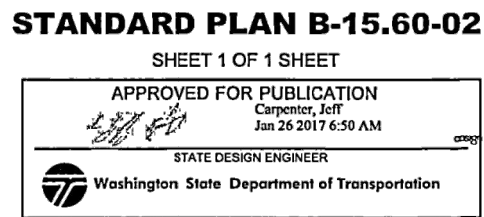
NOTES

1. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum.
2. For pipe allowances, see **Standard Plan B-10.20**.
3. No steps are required when height is 4' (ft) or less.

MANHOLE DIMENSION TABLE				
DIAM.	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"



Julie Heilman
Jan 25 2017 2:58 PM
MANHOLE TYPE 3



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

STREET AND STORM DETAILS

REVISIONS:

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STREET AND STORM DETAILS PLACEHOLDER

STREET AND STORM DETAILS PLACEHOLDER

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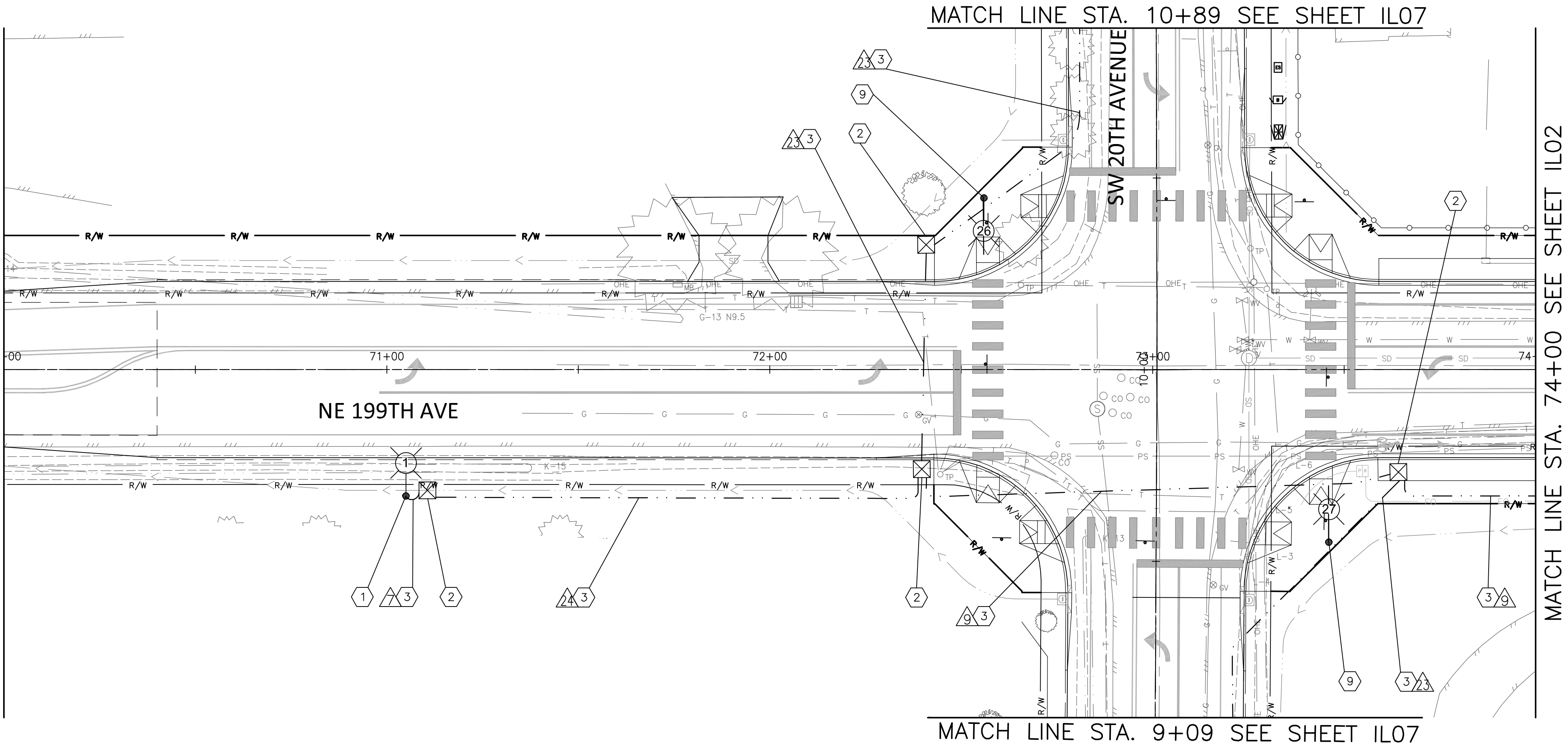
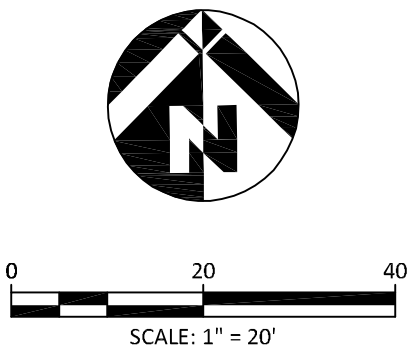
LEGEND	
	PROPOSED LIGHTING STANDARD NUMBER (X)
	PROPOSED TYPE 1 JUNCTION BOX
	PROPOSED LIGHTING CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE

WIRING SCHEDULE					
NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
7	1" PVC	2-#10	1-#10	3	
9	2" PVC	2-#2 2-#6	1-#2	7 3	1
23	2" PVC	2-#2	1-#2	7	1
24	2" PVC	2-#2	1-#2	3	

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE

- CONSTRUCTION NOTES:
- FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL08 FOR LUMINAIRE SCHEDULE, AND SHEET IL10 FOR LIGHT POLE AND FOUNDATION DETAILS.
 - FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
 - FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.
 - TRAFFIC SIGNAL POLE MOUNTED LUMINAIRE. SEE TRAFFIC SIGNAL PLAN.

- GENERAL NOTES:
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
 - MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.



SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

ILLUMINATION PLAN

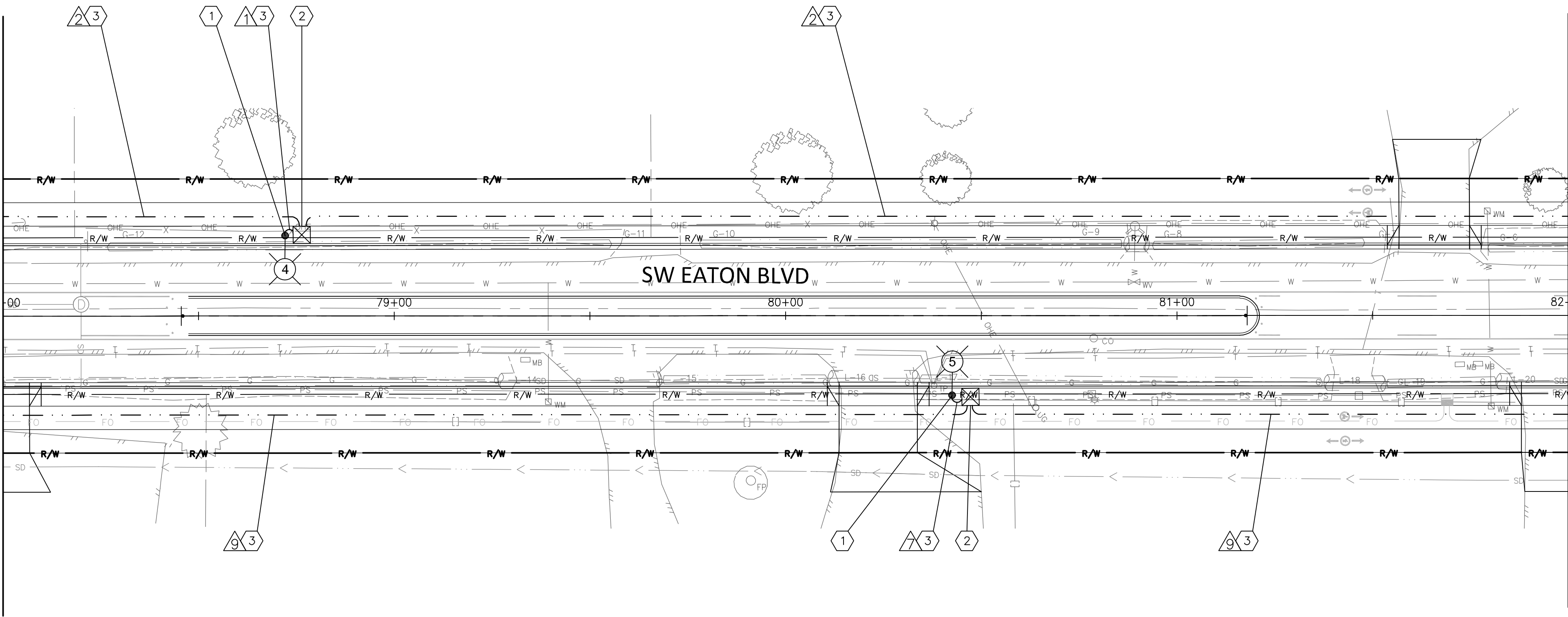
PRELIMINARY
NOT FOR
CONSTRUCTION

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DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

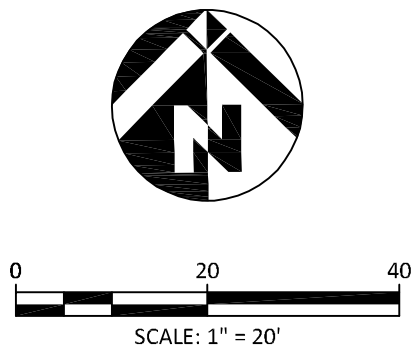
60% SUBMITTAL

IL01

MATCH LINE STA. 78+00 SEE ABOVE RIGHT



MATCH LINE STA. 82+00 SEE SHEET IL03



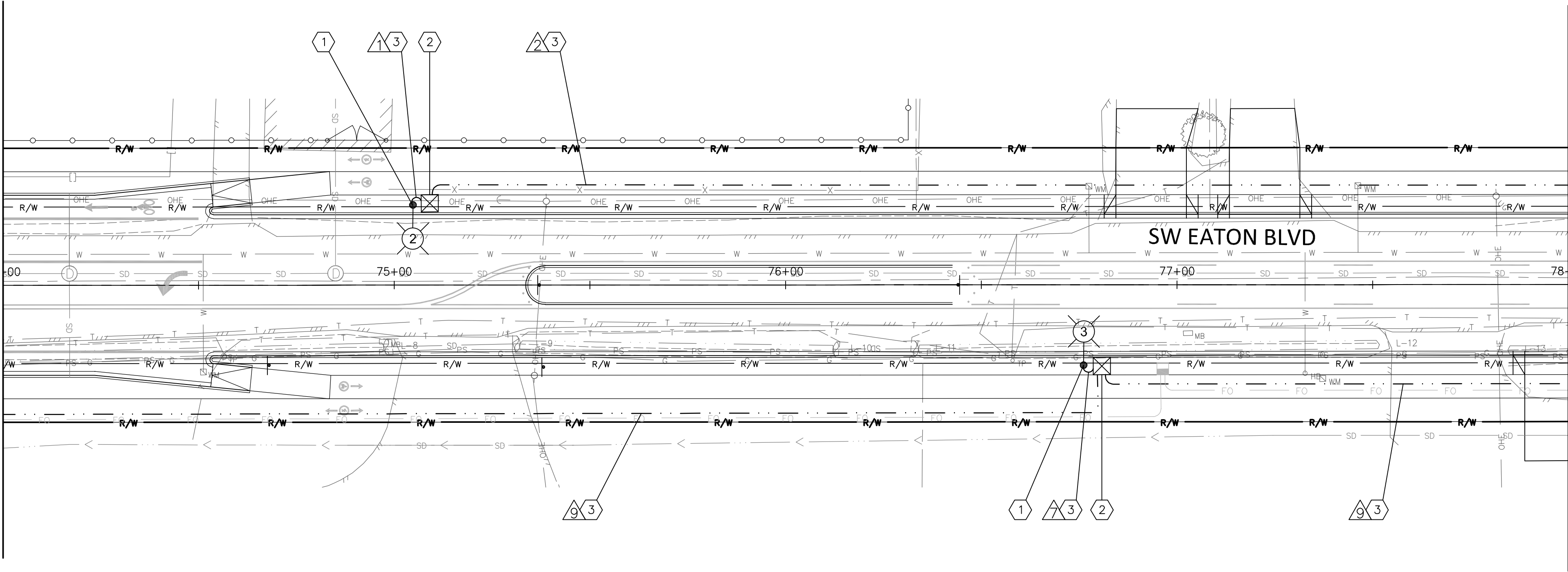
CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL10 FOR LUMINAIRE SCHEDULE, AND SHEET IL11 FOR LIGHT POLE AND FOUNDATION DETAILS.
2. FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
3. FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.

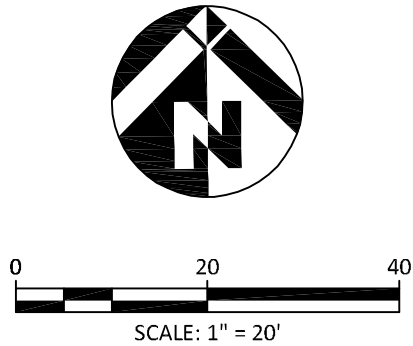
GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
2. MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.

MATCH LINE STA. 74+00 SEE SHEET IL01



MATCH LINE STA. 78+00 SEE BELOW LEFT



WIRING SCHEDULE

NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
1	1.5" PVC	2-#10	1-#10	1	
2	2" PVC	2-#8	1-#8	1	1
7	1.5" PVC	2-#10	1-#10	3	
9	2" PVC	2-#2 2-#6	1-#2	7 3	1

WIRING SCHEDULE LEGEND:

PVC=POLYVINYL CHLORIDE

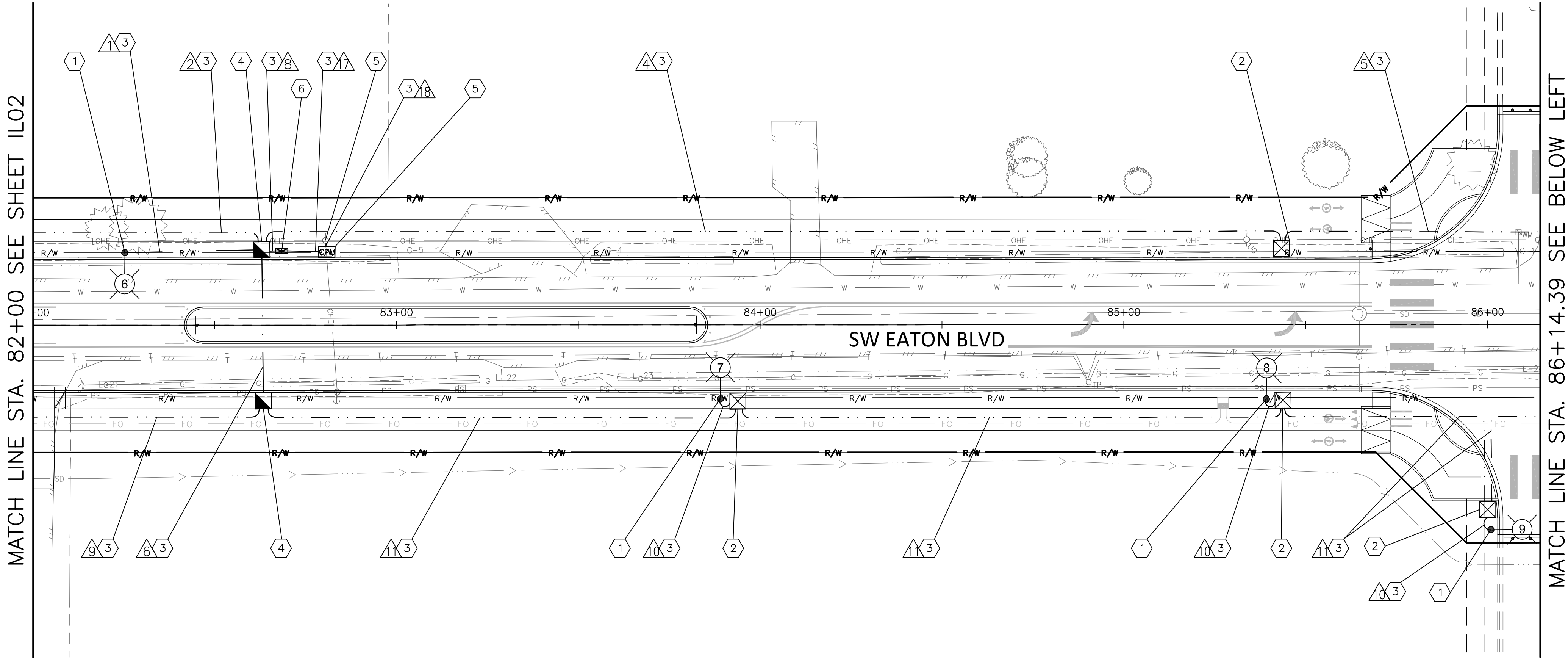
LEGEND

- (X) PROPOSED LIGHTING STANDARD NUMBER (X)
- [X] PROPOSED TYPE 1 JUNCTION BOX
- PROPOSED LIGHTING CONDUIT
- △ WIRE NOTE
- ⬡ CONSTRUCTION NOTE

REVISIONS:	

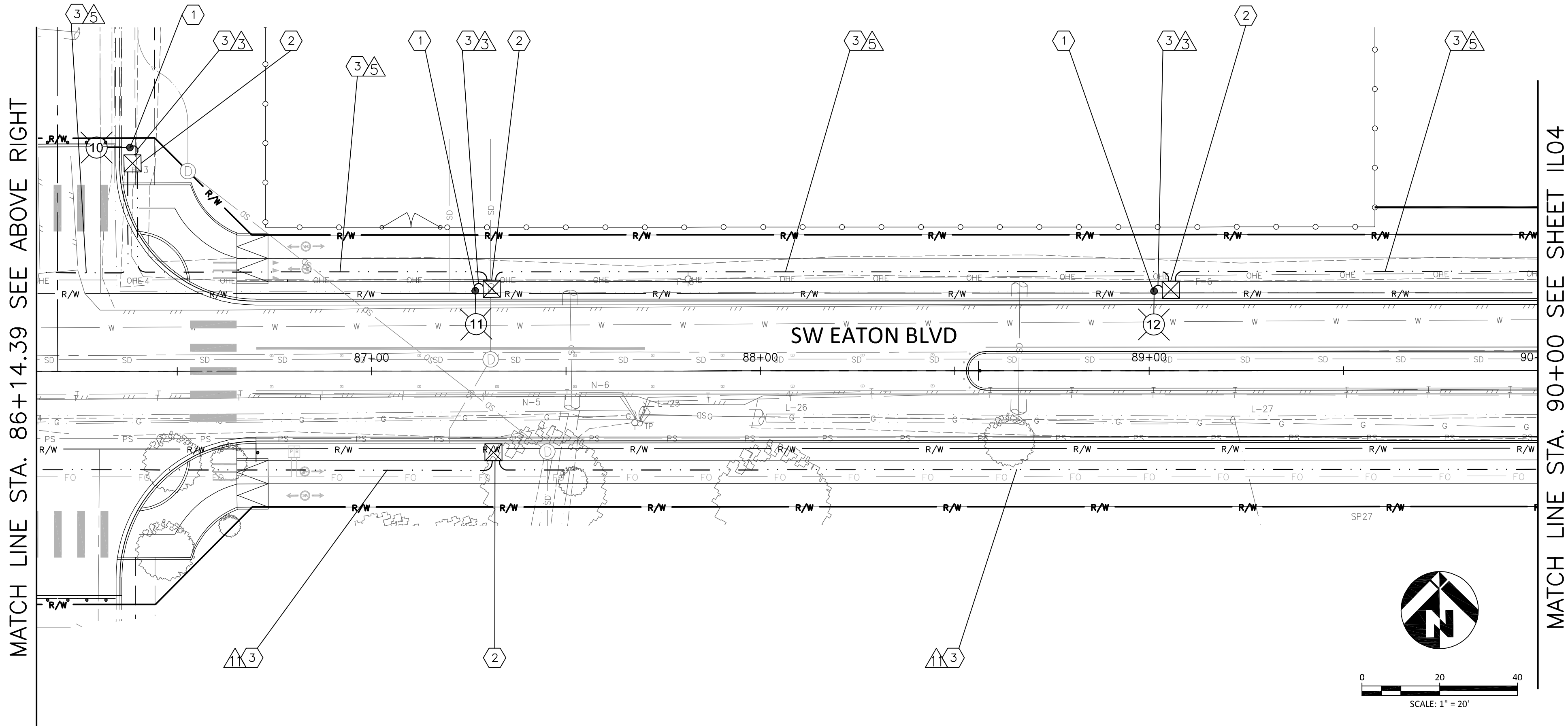
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1"=20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL



WIRING SCHEDULE					
△ NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
1	1.5" PVC	2-#10	1-#10	1	
2	2" PVC	2-#8	1-#8	1	1
3	1.5" PVC	2-#10	1-#10	2	
4	2" PVC	2-#2	1-#2	2	1
5	2" PVC	2-#4	1-#4	2	1
6	3" HDPE	2-#2 2-#2 2-#2	1-#2	3 4 7	1
8	3" PVC	2-#8 2-#2 2-#2 2-#2 2-#2	1-#2	1 2 3 4 7	1
9	2" PVC	2-#6 2-#2	1-#2	3 7	1
10	1.5" PVC	2-#10	1-#10	4	
11	2" PVC	2-#2	1-#2	4	1
17	3" PVC	2-#6	1-#6		1
18	3" PVC	2-#2	1-#2		1

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE



LEGEND	
	PROPOSED LIGHTING STANDARD NUMBER (X)
	PROPOSED TYPE 1 JUNCTION BOX
	PROPOSED TYPE 2 JUNCTION BOX
	PROPOSED LIGHTING CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE
	PROPOSED SERVICE CABINET
	PROPOSED CPU APPROVED ROADWAY PEDESTAL
	UTILITY POLE

CONSTRUCTION NOTES:

- ① FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL10 FOR LUMINAIRE SCHEDULE, AND SHEET IL11 FOR LIGHT POLE AND FOUNDATION DETAILS.
- ② FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
- ③ FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.
- ④ FURNISH AND INSTALL TYPE 2 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
- ⑤ INSTALL CPU APPROVED ROADWAY PEDESTAL.
- ⑥ INSTALL SERVICE CABINET.
- ⑦ EXISTING CPU POLE MOUNTED TRANSFORMER #XXXX. CONTACT CLARK PUBLIC UTILITY (CPU) FOR POWER CONNECTION AND CPU REQUIREMENTS.

GENERAL NOTES:

- 1. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
- 2. MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.

REVISIONS:

JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1"=20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

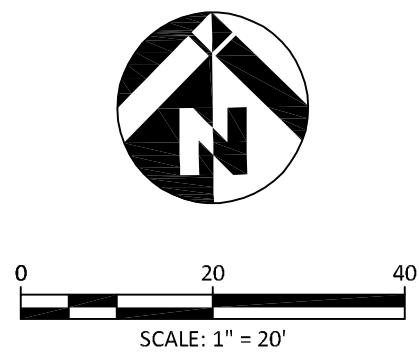
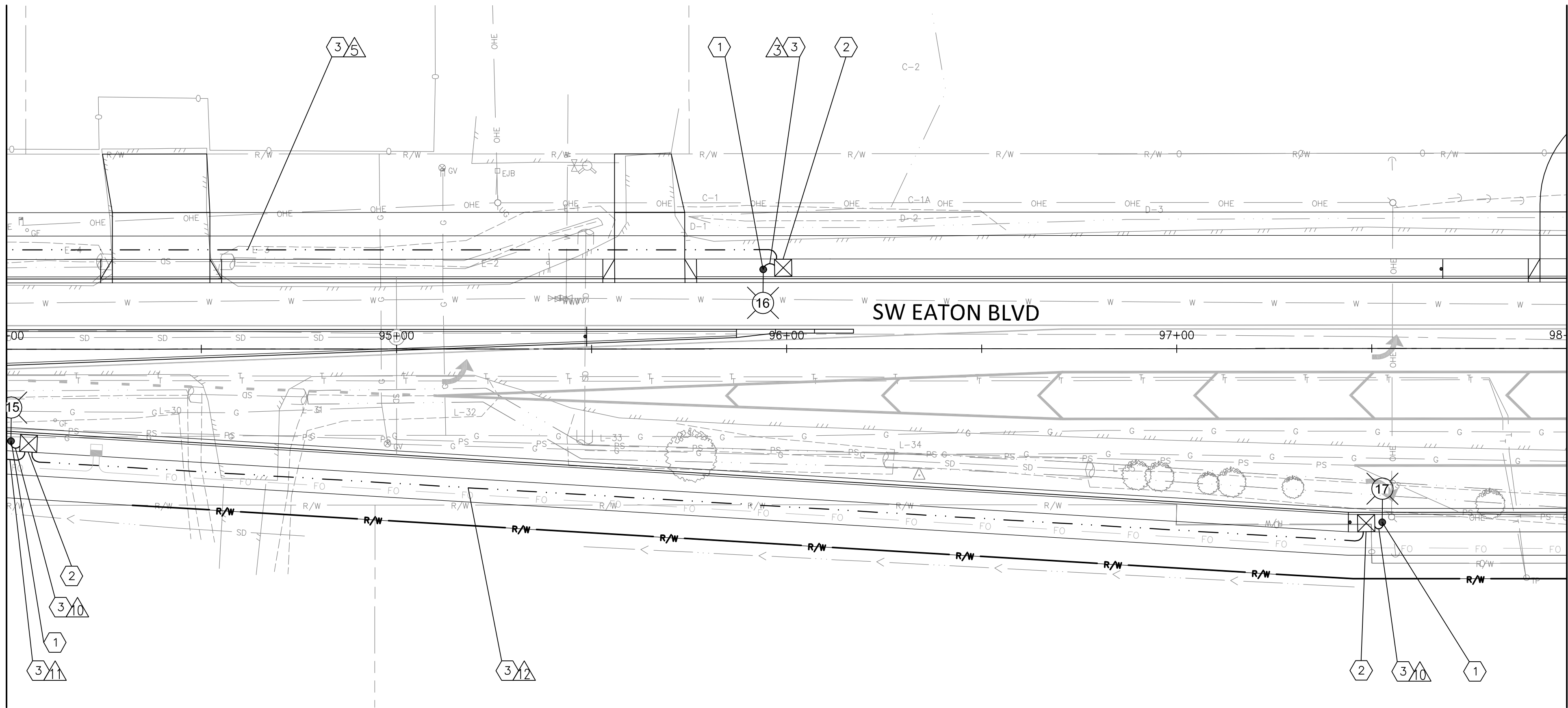
60% SUBMITTAL

IL03

NO. # OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH A)\ACAD\17499_IL04_IL06.DWG

MATCH LINE STA. 94+00 SEE ABOVE RIGHT



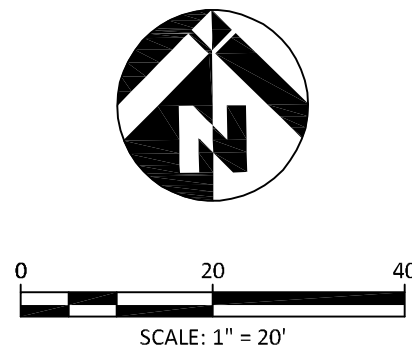
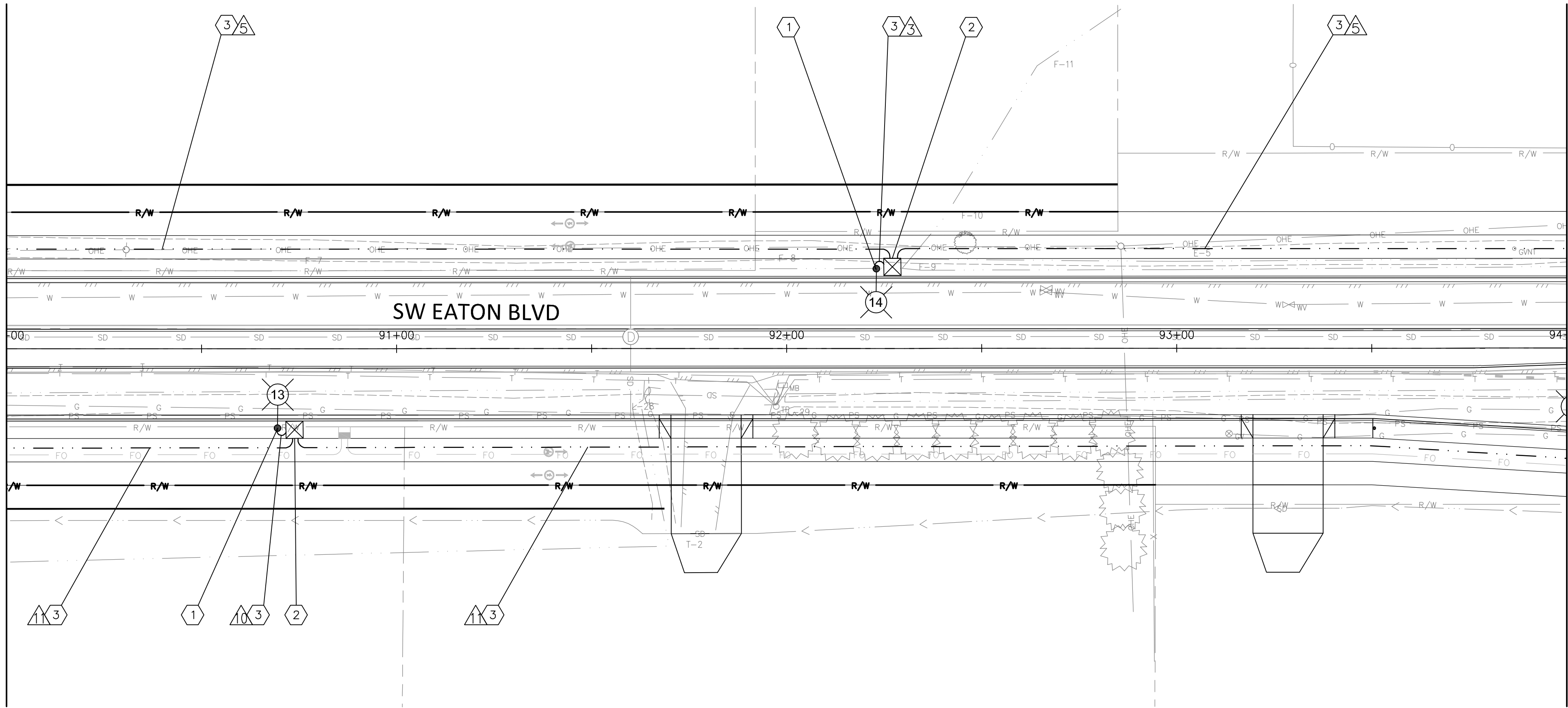
CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL08 FOR LUMINAIRE SCHEDULE, AND SHEET IL10 FOR LIGHT POLE AND FOUNDATION DETAILS.
2. FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
3. FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
2. MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.

MATCH LINE STA. 90+00 SEE SHEET IL03



WIRING SCHEDULE

△ NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
3	1.5" PVC	2-#10	1-#10	2	
5	2" PVC	2-#4	1-#4	2	1
10	1" PVC	2-#10	1-#10	4	
11	2" PVC	2-#2	1-#2	4	1
12	2" PVC	2-#6	1-#6	4	1

WIRING SCHEDULE LEGEND:

PVC=POLYVINYL CHLORIDE

LEGEND

- ⊗ PROPOSED LIGHTING STANDARD NUMBER (X)
- ⊠ PROPOSED TYPE 1 JUNCTION BOX
- PROPOSED LIGHTING CONDUIT
- △ WIRE NOTE
- ⬡ CONSTRUCTION NOTE

SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

ILLUMINATION PLAN

PRELIMINARY
NOT FOR
CONSTRUCTION

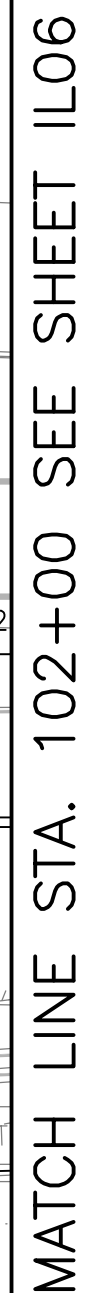
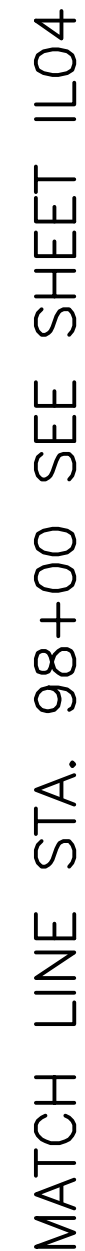
REVISIONS:


JOB NO.: 17499
DATE: 12-15-2021
SCALE: 1"=20'
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

60% SUBMITTAL








IL04

NO. # OF #



<i>WIRING SCHEDULE</i>					
 NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
16	2" PVC	4-#8	1-#8	6	1
20	2" PVC	2-#8	1-#8	6	1
21	2" HDPE	2-#8	1-#8	6	1

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

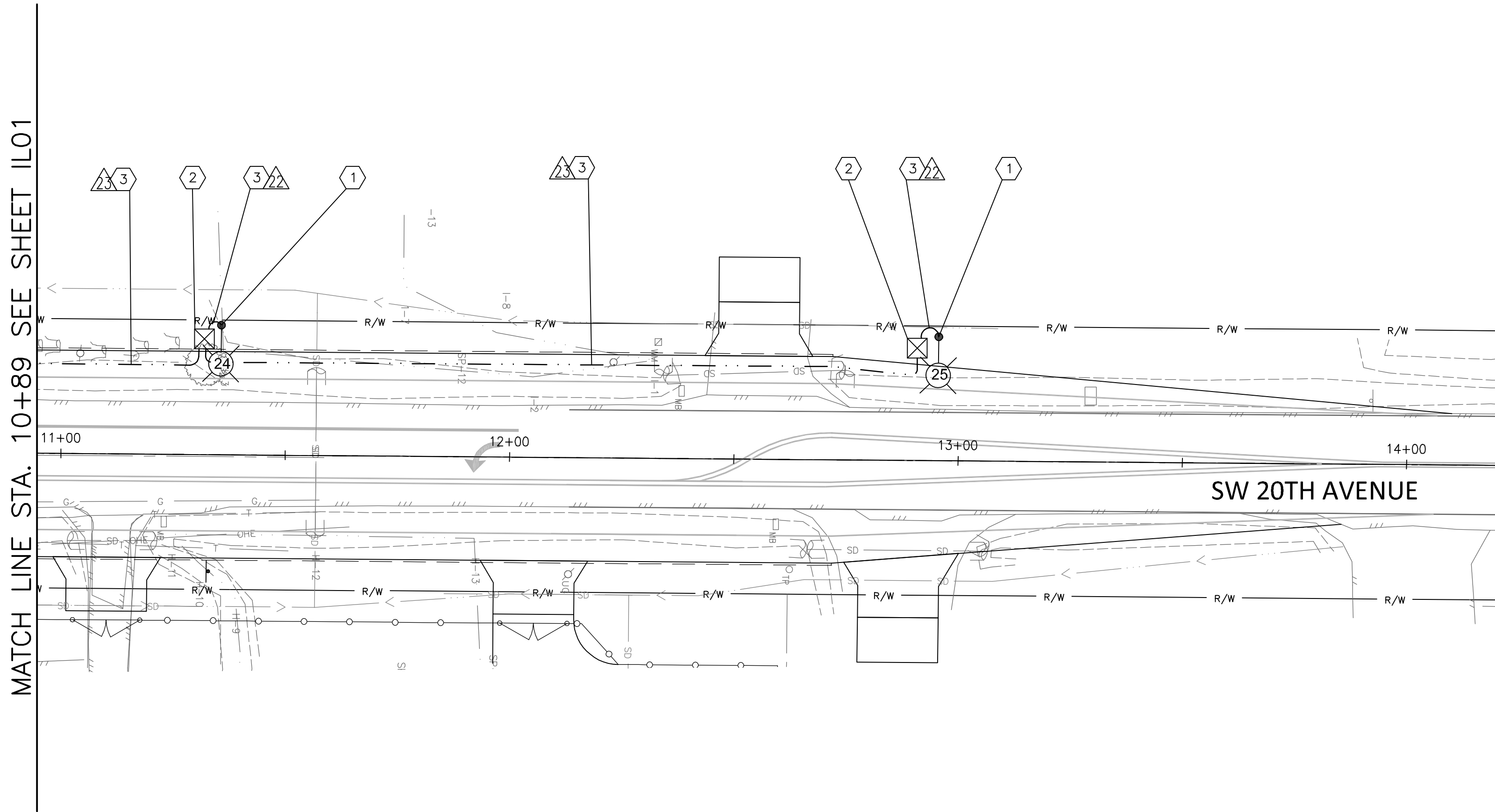
LEGEND	
	PROPOSED LIGHTING STANDARD NUMBER (X)
	PROPOSED TYPE 1 JUNCTION BOX
	PROPOSED TYPE 2 JUNCTION BOX
	PROPOSED LIGHTING CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE
	PROPOSED CPU APPROVED ROADWAY PEDESTAL

CONSTRUCTION NOTES:

- ① FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL10 FOR LUMINAIRE SCHEDULE, AND SHEET IL11 FOR LIGHT POLE AND FOUNDATION DETAILS.
- ② FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
- ③ FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.
- ⑨ TRAFFIC SIGNAL POLE MOUNTED LUMINAIRE. SEE TRAFFIC SIGNAL PLAN.
- ⑩ TRAFFIC SIGNAL AND LIGHTING ELECTRICAL SERVICE CABINET. SEE TRAFFIC SIGNAL PLAN SHEET TS02 FOR INSTALLATION.

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
2. MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.
3. ALL CONDUITS WITH SHARED TRAFFIC SIGNAL/LIGHTING CONDUCTORS NOT SHOWN. SEE TRAFFIC SIGNAL REMOVAL PLAN FOR REMOVAL OF SHARED FACILITIES.
4. EXISTING ILLUMINATION SYSTEMS TO REMAIN OPERATIONAL UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.

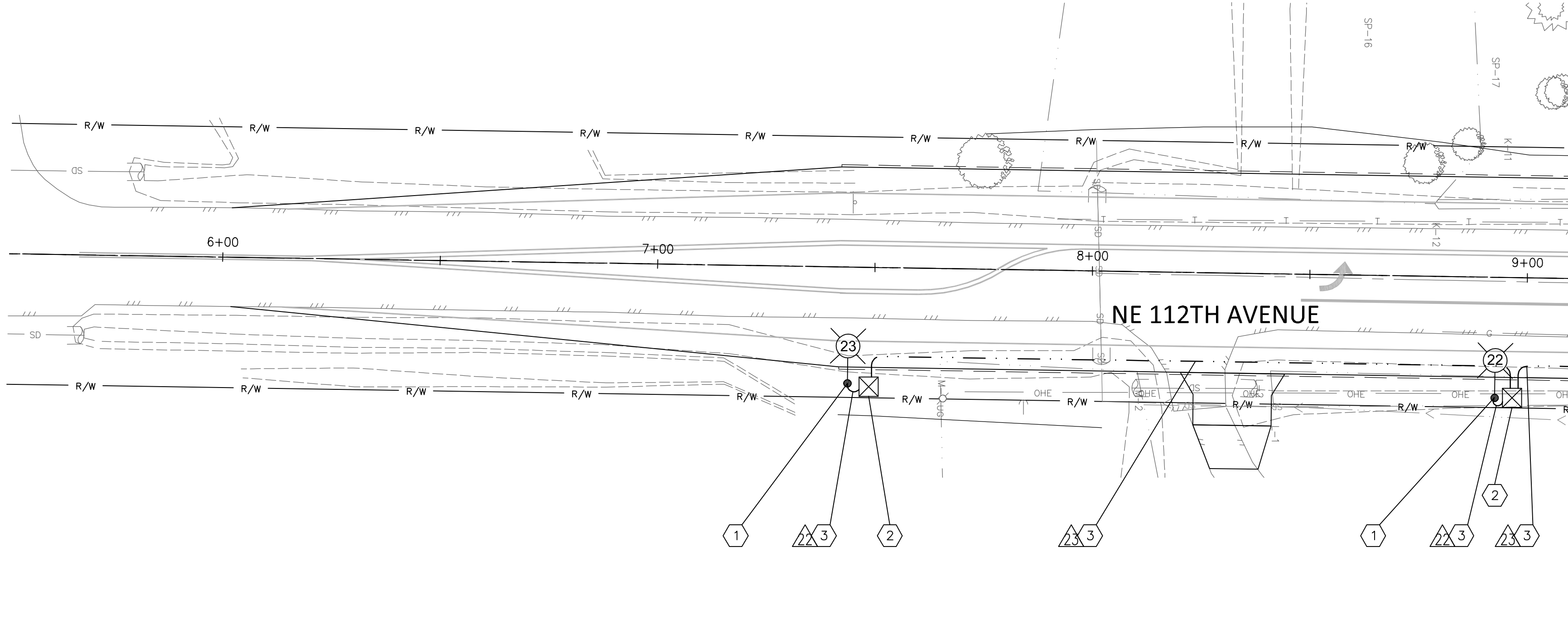


CONSTRUCTION NOTES:

- 1 FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL10 FOR LUMINAIRE SCHEDULE, AND SHEET IL11 FOR LIGHT POLE AND FOUNDATION DETAILS.
- 2 FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
- 3 FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
2. MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.



WIRING SCHEDULE

△ NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
22	1.5" PVC	2-#10	1-#10	7	
23	2" PVC	2-#2	1-#2	7	1

WIRING SCHEDULE LEGEND:

PVC=POLYVINYL CHLORIDE

LEGEND

- ⊗ PROPOSED LIGHTING STANDARD NUMBER (X)
- ⊠ PROPOSED TYPE 1 JUNCTION BOX
- PROPOSED LIGHTING CONDUIT
- △ WIRE NOTE
- ⊗ CONSTRUCTION NOTE

REVISIONS:	
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1"=20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

LEGEND

EXISTING LIGHTING STANDARD

PROPOSED TYPE 1 JUNCTION BOX

PROPOSED LIGHTING CONDUIT

EXISTING LIGHTING CONDUIT

WIRE NOTE

CONSTRUCTION NOTE

3,4

WIRING SCHEDULE					
NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE
20	2" PVC	2-#4	1-#4	1	1

CONSTRUCTION NOTES:

2

FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.

3

FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.

12

SEE TRAFFIC SIGNAL REMOVAL PLAN FOR REMOVAL OF SHARED TRAFFIC SIGNAL/LIGHTING JUNCTION BOX AND CONDUITS. ILLUMINATION CONDUCTORS TO BE REMOVED FROM EXISTING SHARED CONDUITS.

14

MAINTAIN AND PROTECT EXISTING LIGHT STANDARD AND FOUNDATION.

15

MAINTAIN AND PROTECT EXISTING CONDUIT AND WIRING.

18

DISCONNECT EXISTING LIGHTING CONDUCTORS WITH IN JUNCTION BOX. MAINTAIN SUFFICIENT SPARE CONDUCTOR RUNNING BETWEEN JUNCTION BOX AND LIGHT POLE FOR SPLICING TO NEW LIGHTING CONDUCTORS.

19

JUNCTION BOX TO BE PLACED IN SAME LOCATION AS JUNCTION BEING REMOVED.

GENERAL NOTES:

1.

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.

2.

MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.

3.

ALL CONDUITS WITH SHARED TRAFFIC SIGNAL/LIGHTING CONDUCTORS NOT SHOWN. SEE TRAFFIC SIGNAL REMOVAL PLAN FOR REMOVAL OF SHARED FACILITIES.

4.

EXISTING ILLUMINATION SYSTEMS TO REMAIN OPERATIONAL UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.

GLOBAL

Transportation

Engineering

227 SW Pine St, Suite 220
Portland, Oregon 97204

PRELIMINARY
NOT FOR
CONSTRUCTION

SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

ILLUMINATION PLAN

REVISIONS:	

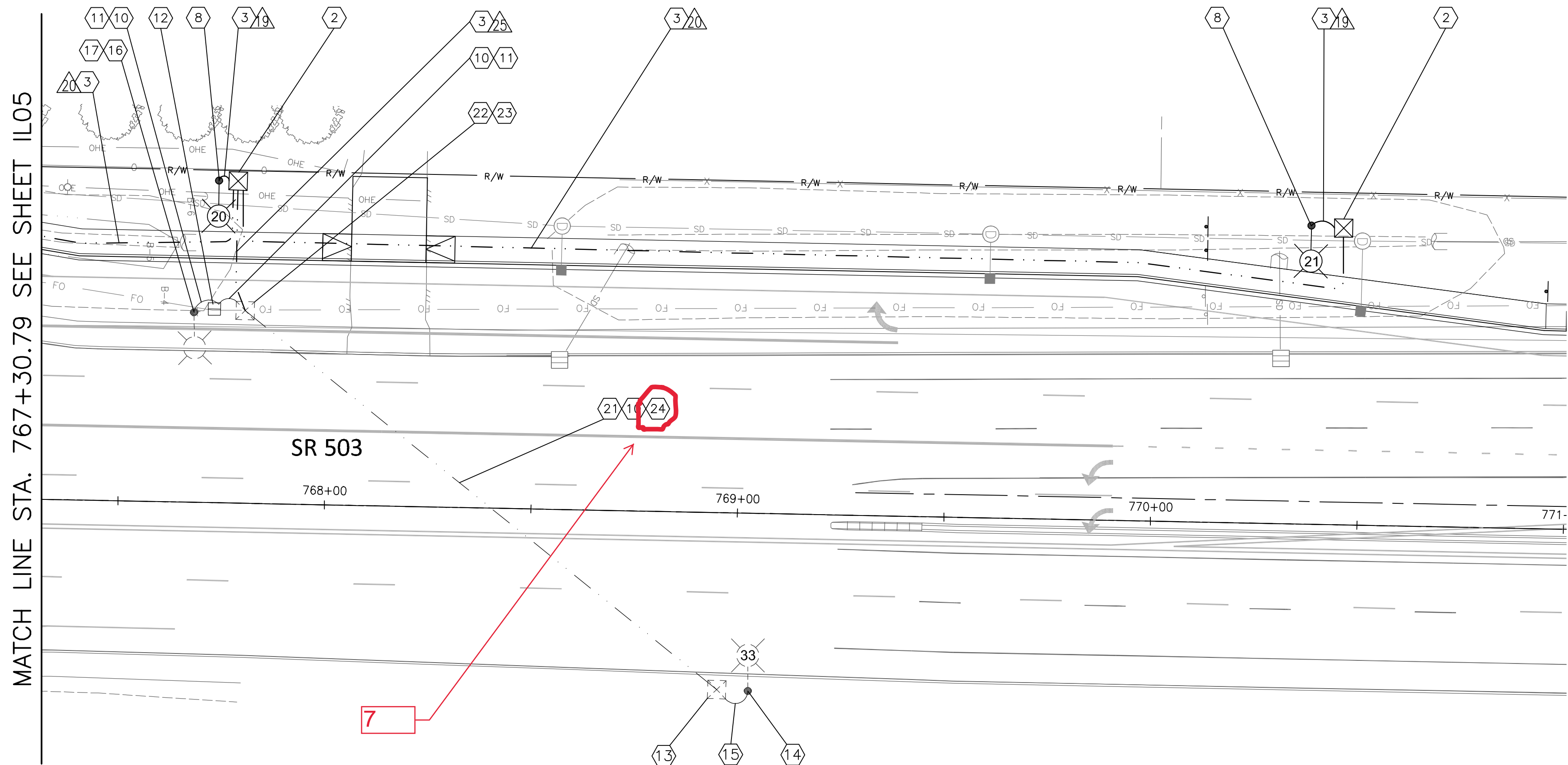
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1"=20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

IL08

NO. # OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AVE)\ACAD\17499_IL07_IL09.DWG



LEGEND

- EXISTING LIGHTING STANDARD
- PROPOSED LIGHTING STANDARD NUMBER (X)
- PROPOSED TYPE 1 JUNCTION BOX
- EXISTING TYPE 1 JUNCTION BOX
- PROPOSED LIGHTING CONDUIT
- EXISTING LIGHTING CONDUIT
- WIRE NOTE
- CONSTRUCTION NOTE

WIRING SCHEDULE

NO.	CONDUIT SIZE	CONDUCTORS	BARE COPPER GROUNDWIRE	CIRCUIT(S)	PULL LINE	COMMENTS
19	1.5" PVC	2-#10	1-#10	6		
20	2" PVC	2-#8	1-#8	6	1	
24	EX 1.5"	2-#8	1-#8	6	1	NEW CONDUCTORS IN EXISTING CONDUIT.
25	1.5" PVC	2-#8	1-#8	6	1	

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE

CONSTRUCTION NOTES:

- FURNISH AND INSTALL NEW STREET LIGHT STANDARD ON NEW FOUNDATION. SEE SHEET IL10 FOR LUMINAIRE SCHEDULE, AND SHEET IL11 FOR LIGHT POLE AND FOUNDATION DETAILS.
- FURNISH AND INSTALL TYPE 1 LOCKING JUNCTION BOX. SEE WSDOT STANDARDS AND PLAN J-40.10.04 FOR DETAILS.
- FURNISH AND INSTALL LIGHTING CONDUIT AND WIRING. SEE WIRING SCHEDULE ON THIS SHEET.
- FURNISH AND INSTALL NEW WSDOT SLIP BASE STANDARD TYPE 1 DAVIT LIGHT STANDARD ON NEW FOUNDATION. SEE IL10 FOR LUMINAIRE SCHEDULE AND LIGHT POLE DETAILS.
- REMOVE EXISTING LIGHTING CONDUITORS.
- ABANDON EXISTING CONDUITS.
- SEE TRAFFIC SIGNAL REMOVAL PLAN FOR REMOVAL OF SHARED TRAFFIC SIGNAL/LIGHTING JUNCTION BOX AND CONDUITS. ILLUMINATION CONDUCTORS TO BE REMOVED FROM EXISTING SHARED CONDUITS.
- MAINTAIN AND PROTECT EXISTING JUNCTION BOX.
- MAINTAIN AND PROTECT EXISTING LIGHT STANDARD AND FOUNDATION.
- MAINTAIN AND PROTECT EXISTING CONDUIT AND WIRING.
- REMOVE FOUNDATION PER STANDARD SPECIFICATIONS.
- REMOVE AND DISPOSE OF EXISTING LIGHT POLE STANDARD ARM AND LUMINAIRE.
- MAINTAIN AND PROTECT EXISTING CONDUIT.
- REMOVE EXISTING JUNCTION BOX.
- LOCATE AND SPLICE NEW CONDUIT TO EXISTING CONDUIT.

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO STREET LIGHTING INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED STREET LIGHTING CONFLICTS WITH UTILITIES.
- MAINTAIN AND PROTECT ALL EXISTING TREES UNLESS OTHERWISE NOTED ON THIS PLAN OR DIRECTED BY ENGINEER.
- ALL CONDUITS WITH SHARED TRAFFIC SIGNAL/LIGHTING CONDUCTORS NOT SHOWN. SEE TRAFFIC SIGNAL REMOVAL PLAN FOR REMOVAL OF SHARED FACILITIES.
- EXISTING ILLUMINATION SYSTEMS TO REMAIN OPERATIONAL UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.

REVISIONS:

JOB NO.: 17499
DATE: 12-15-2021
SCALE: 1"=20'
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

60% SUBMITTAL

IL09

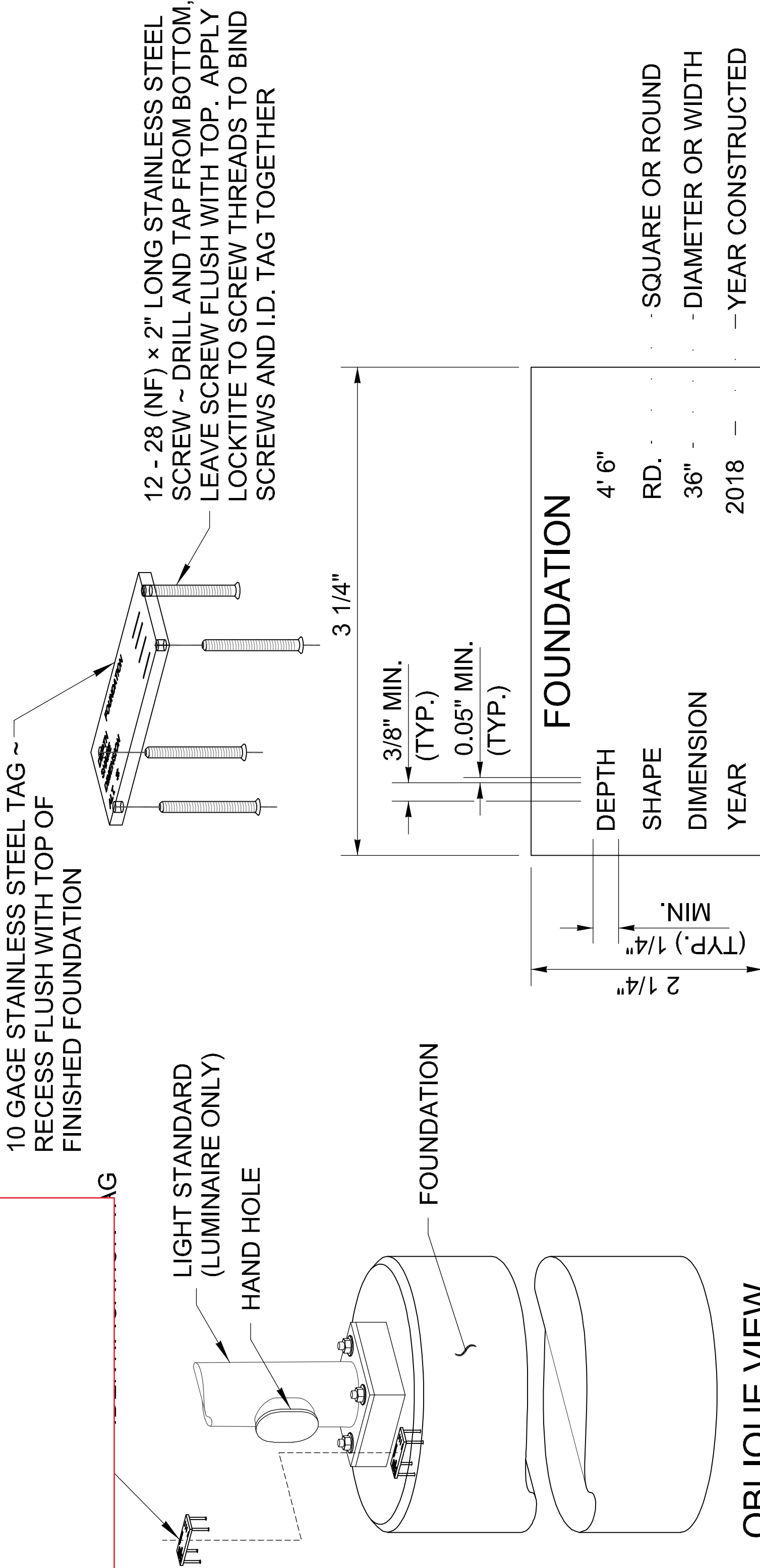
NO. # OF #

LUMINAIRE SCHEDULE																							
LIGHTING STANDARD NUMBER	LIGHTING STNARD BASE TYPE	STATION	LOCATION		OFFSET	OFFSET MEASURED FROM	FOOTING TYPE PER WSDOT STD DWG J-28.30-03	LUMINAIRE					CIRCUIT	REMARKS									
								TYPE - DISTRIBUTION	ARM LENGTH	MOUNTING HEIGHT	WATTAGE CLASS (HP5 SOURCE)	WATTAGE CLASS (LED SOURCE)											
1	FIXED	71+05 RT			32.96'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	3											
2	FIXED	75+05 LT			20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	1											
3	FIXED	76+76 RT			20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	3											
4	FIXED	78+72 LT			20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	1											
5	FIXED	80+42.6 RT			20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	3											
6	FIXED	82+25 LT			20.0'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	1											
7	FIXED	83+89 RT			20.33'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
8	FIXED	85+39 RT			20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
9	FIXED	86+01.1 RT			56.35'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
10	FIXED	86+37.6 LT			57.59'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	2											
11	FIXED	87+26.78 LT			20.67'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	2											
12	FIXED	89+01.3 LT			20.48'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	2											
13	FIXED	90+69.42 RT			20.37'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
14	FIXED	92+22.9 LT			20.43'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	2											
15	FIXED	94+01.1 RT			23.55'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
16	FIXED	95+96 LT			20.37'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	2											
17	FIXED	97.52.5 RT			44.54'	STATION LINE	TYPE - A	TYPE - III	8'	35'	73	4											
18	SLIP	102+32.5 LT			41.77'	STATION LINE	TYPE - A	TYPE - III	16'	35'	121	5											
19	SLIP	104+54.8 RT			4.63'	STATION LINE	TYPE - A	TYPE - III	16'	35'	121	5											
Standard Plans for all luminaries in this way, these poles must also have slip control? Condition expected to be encountered will poles be required? Responsible for maintenance an operation of 503 and to the limits of our Access plan, therefore there must be a separate station for those lights separate from the rest station.																							
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	121	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	121	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	
													AL PLANS FOR DETAILS					TYPE - III	16'	40'	310	--	

Use WSDOT standard Plans for all luminaries in WSDOT right of way, these poles must also have slip bases. Access Control?

With the soil condition expected to be encountered with custom foundations be required?

WSDOT is responsible for maintenance an operation all lighting on SR 503 and to the limits of our Access Control on Eaton, therefore there must be a separate electrical service for those lights separate from the rest of the light on Eaton.



REINFORCING AND ANCHOR BOLTS
NOT SHOWN FOR CLARITY

TEXT SHALL BE ENGRAVED 0.014" DEEP

FOUNDATION IDENTIFICATION TAG DETAIL

FOUNDATION IDENTIFICATION TAG DETAIL

TEXT SHALL BE ENGRAVED 0.014" DEEP

LUMINAIRE SCHEDULE												
LIGHTING STANDARD NUMBER	LIGHTING STNADARD BASE TYPE											
1	FIXED											
2	FIXED											
3	FIXED	76+76 RT	20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	3	
4	FIXED	78+72 LT	20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	1	
5	FIXED	80+42.6 RT	20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	3	
6	FIXED	82+25 LT	20.0'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	1	
7	FIXED	83+89 RT	20.33'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
8	FIXED	85+39 RT	20.5'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
9	FIXED	86+01.1 RT	56.35'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
10	FIXED	86+37.6 LT	57.59'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	2	
11	FIXED	87+26.78 LT	20.67'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	2	
12	FIXED	89+01.3 LT	20.48'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	2	
13	FIXED	90+69.42 RT	20.37'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
14	FIXED	92+22.9 LT	20.43'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	2	
15	FIXED	94+01.1 RT	23.55'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
16	FIXED		20.37'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	2	
17	FIXED		44.54'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	4	
18	SLIP	102+32.5 LT	41.77'	STATION LINE	TYPE - A	TYPE - III	16'	35'		121	5	
19	SLIP	104+54.8 RT	4.63'	STATION LINE	TYPE - A	TYPE - III	16'	35'		121	5	
20	SLIP	"SR 503" 767+73 LT	78.0'	STATION LINE	TYPE - A	TYPE - III	16'	40'	400		6	
21	SLIP	"SR 503" 770+37.6 LT	72.3'	STATION LINE	TYPE - A	TYPE - III	16'	40'	400		6	
22	FIXED	"112TH AVE " 8+92.5 RT	31.0'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	7	
23	FIXED	"112TH AVE " 7+43.7 RT	30.0'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	7	
24	FIXED	"20TH AVE " 11+35.9 LT	29.0'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	7	
25	FIXED	"20TH AVE " 12+95.7 LT	27.62'	STATION LINE	TYPE - A	TYPE - III	8'	35'		73	7	
26	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'		121	--	
27	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'		121	--	
28	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'	310		--	
29	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'	310		--	
30	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'	310		--	
31	TRAFFIC SIGNAL MAST ARM POLE	SEE SIGNAL PLANS FOR DETAILS				TYPE - III	16'	40'	310		--	
32	EXISTING	"SR503"	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX		6	
33	EXISTING	"SR503"	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX		6	

9

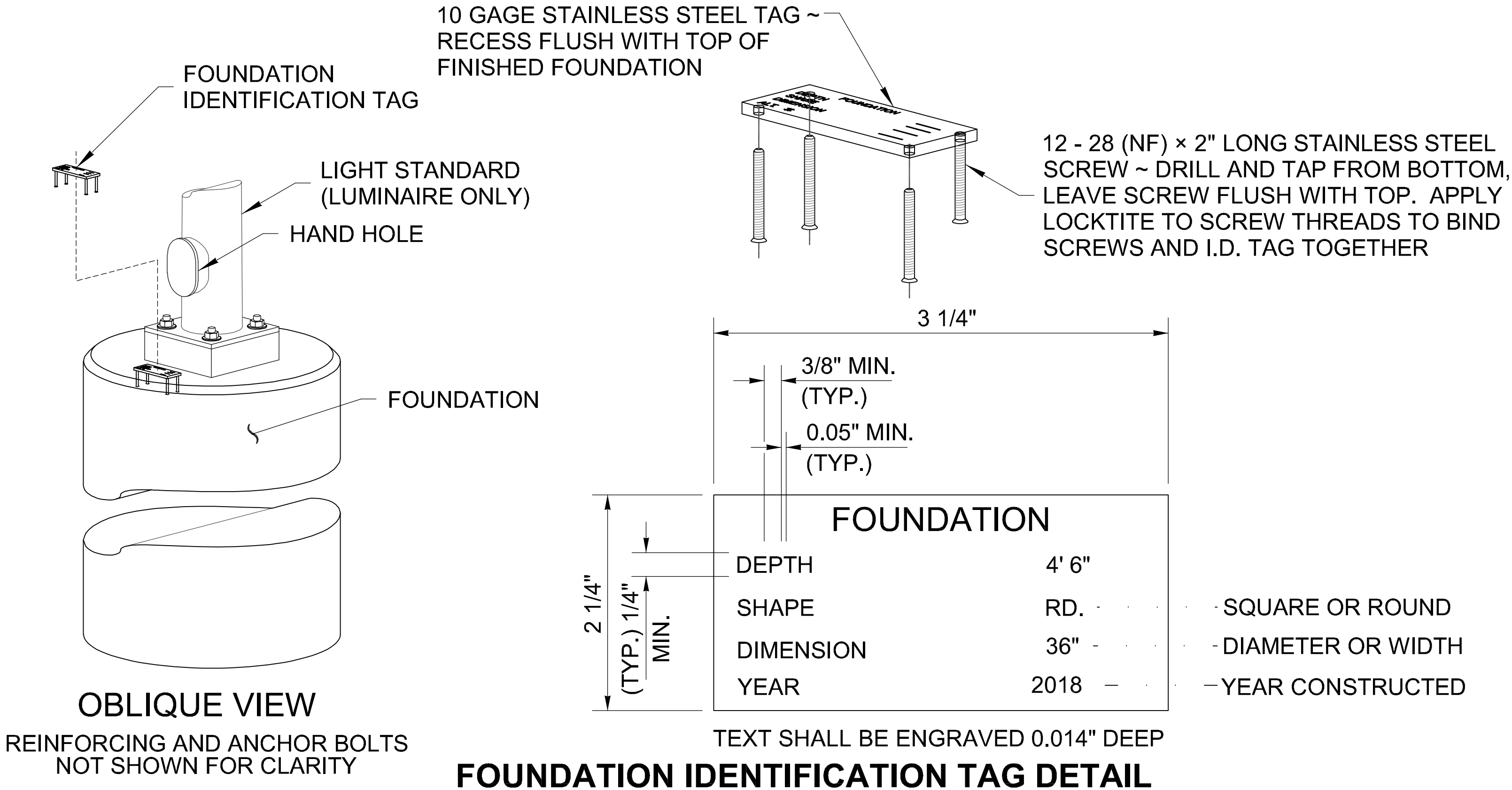
Use WSDOT standard Plans for all luminaires in WSDOT right of way, these poles must also have slip bases. Access Control?
With the soil condition expected to be encountered will custom foundations be required?
WSDOT is responsible for maintenance an operation of all lighting on SR 503 and to the limits of our Access Control on Eaton, therefore there must be a separate electrical service for those lights separate from the rest of the light on Eaton.

10

4.63'

4

6



SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

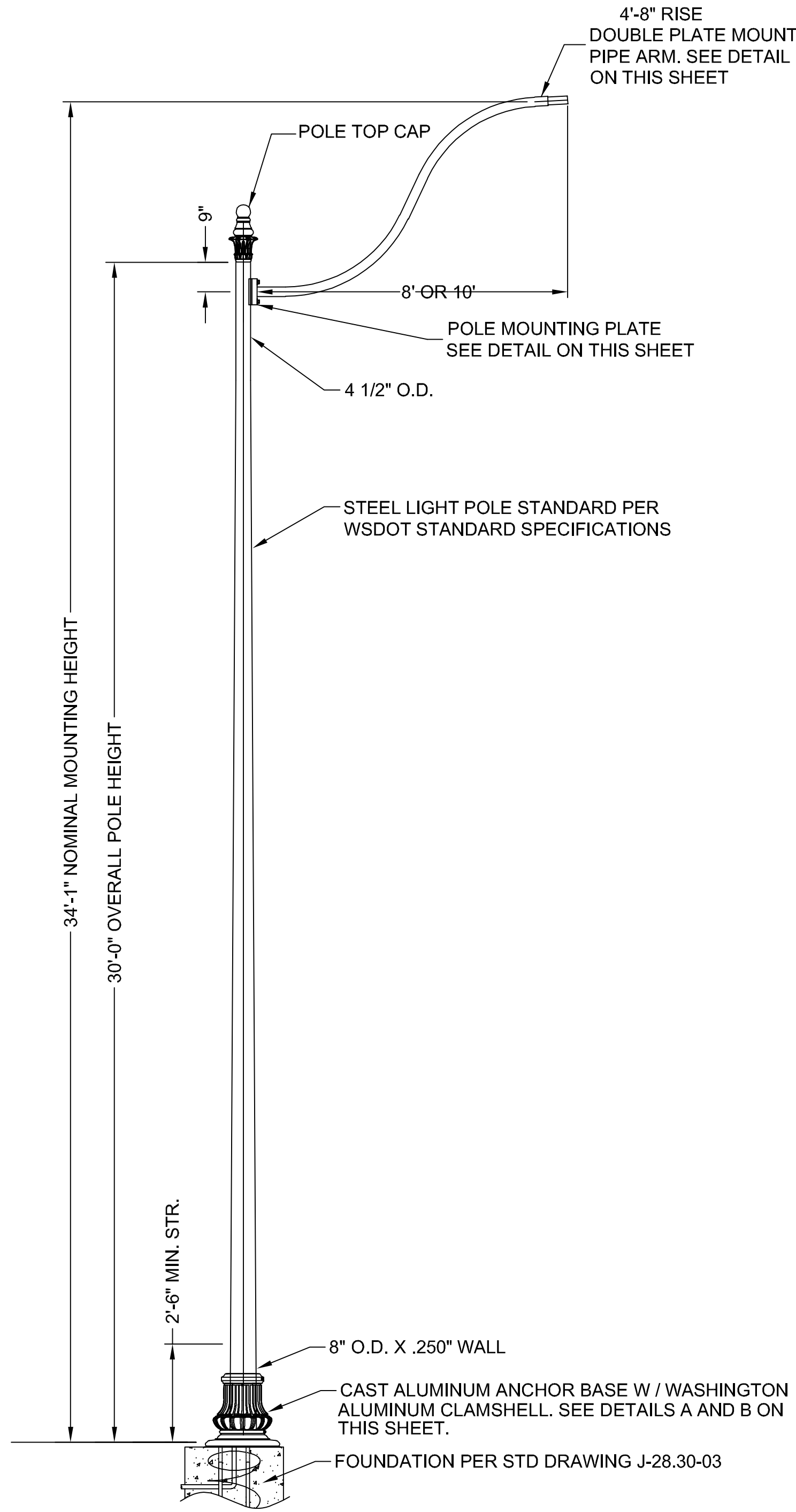
ILLUMINATION DETAILS

PRELIMINARY
NOT FOR
CONSTRUCTION

REVISIONS:	
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

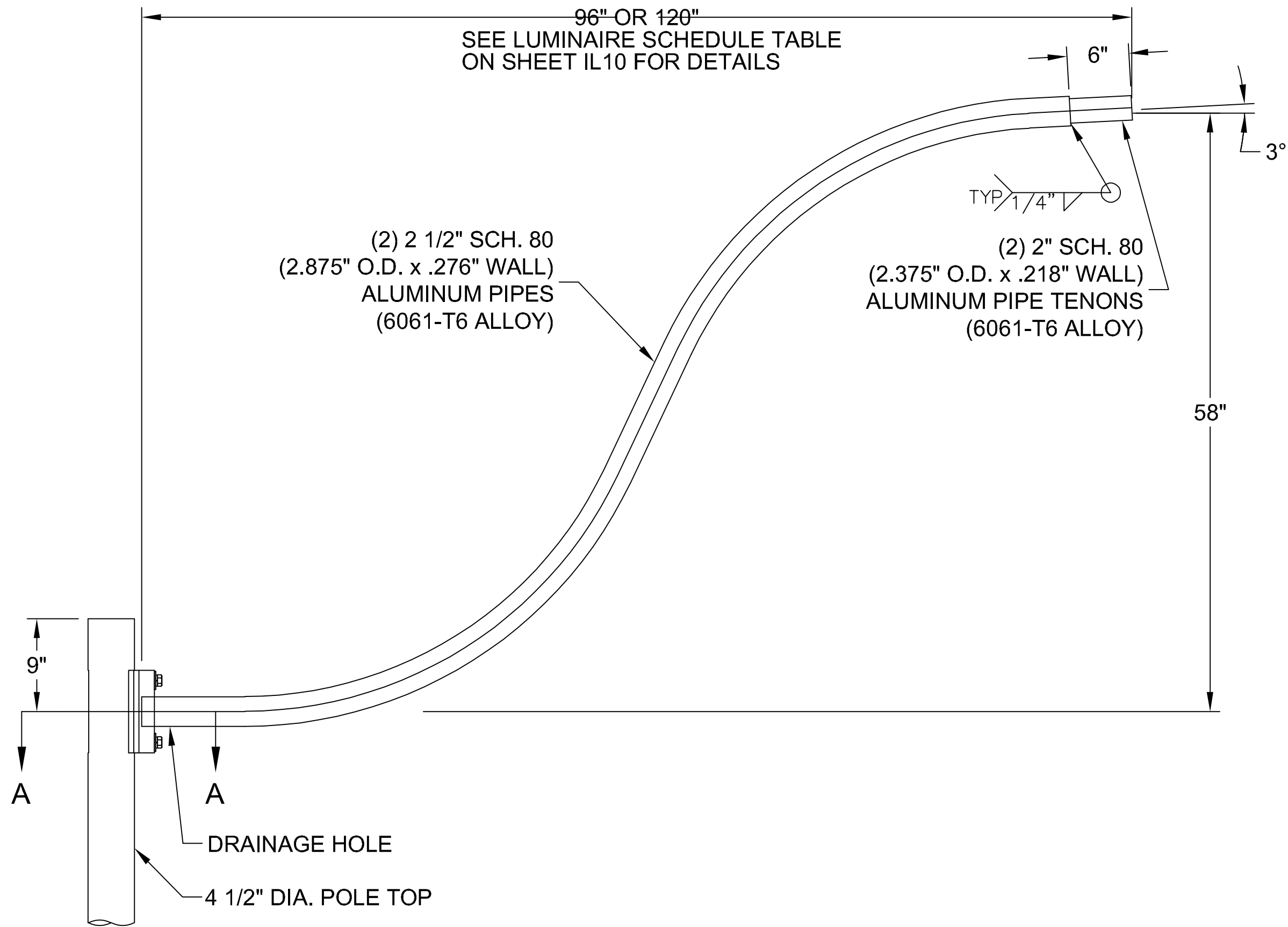
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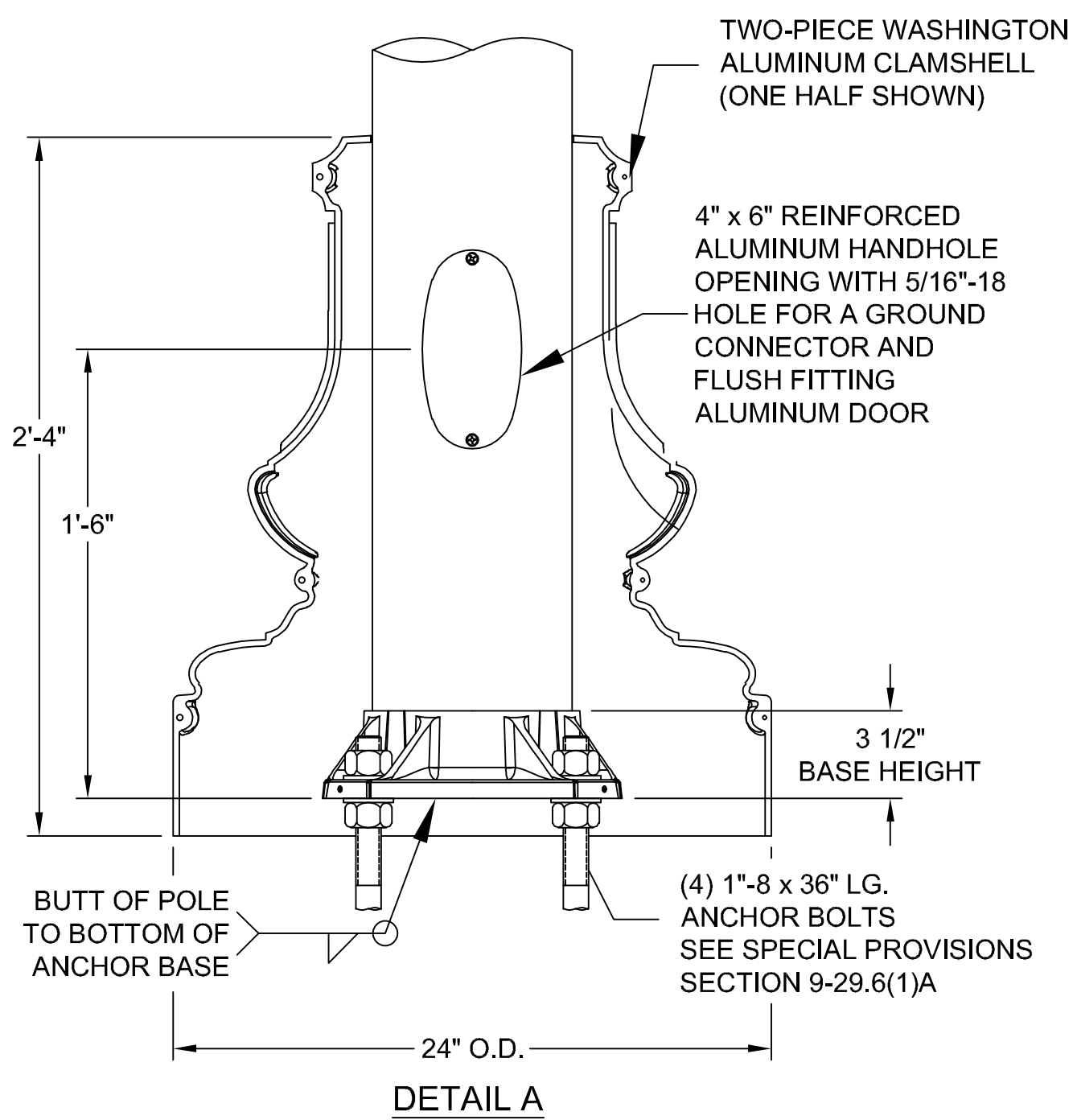
SINGLE LIGHTING STANDARD

NOTES:

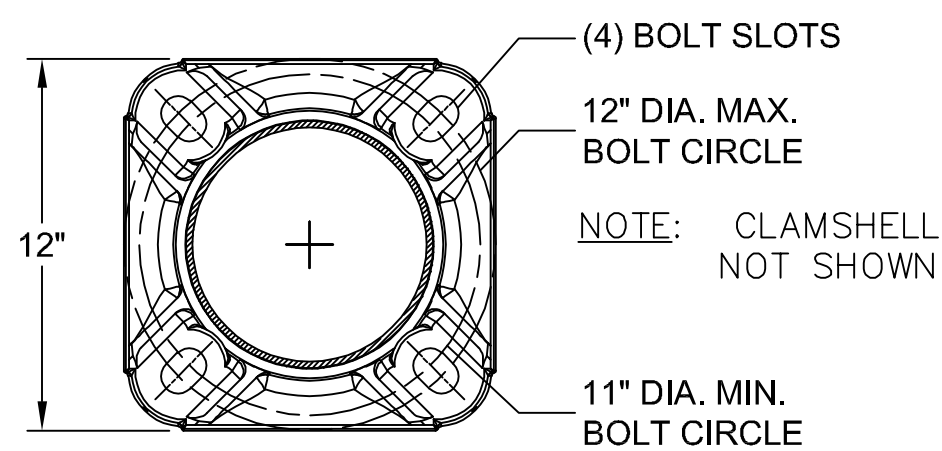
1. POLES, ANCHOR BASES, LUMINAIRE ARMS, AND BANNERS TO BE ALUMINUM ALLOY AND POWDER PAINTED SMOOTH DOUBLE BLACK.



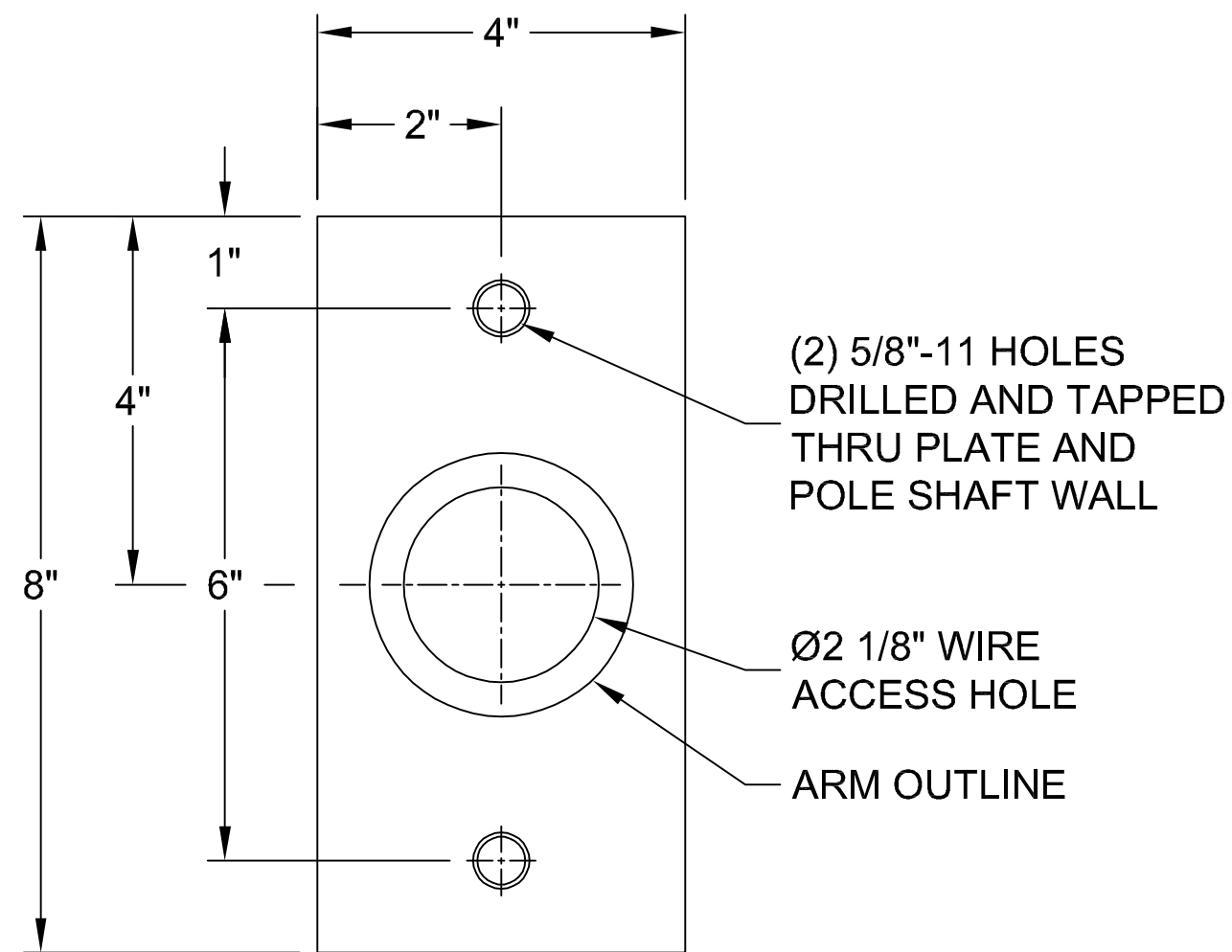
LUMINAIRE ARM



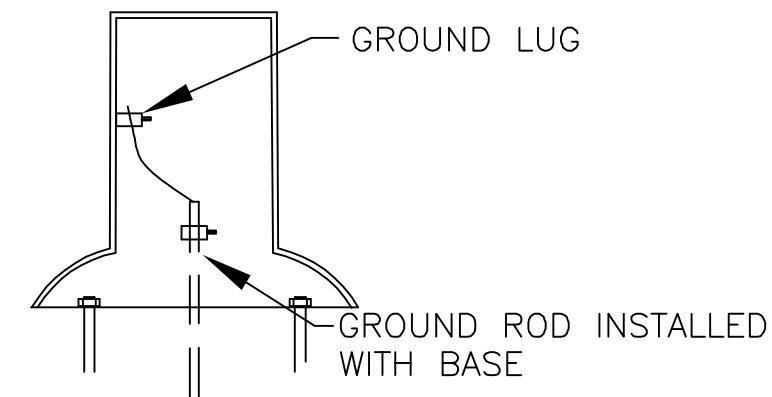
DETAIL A



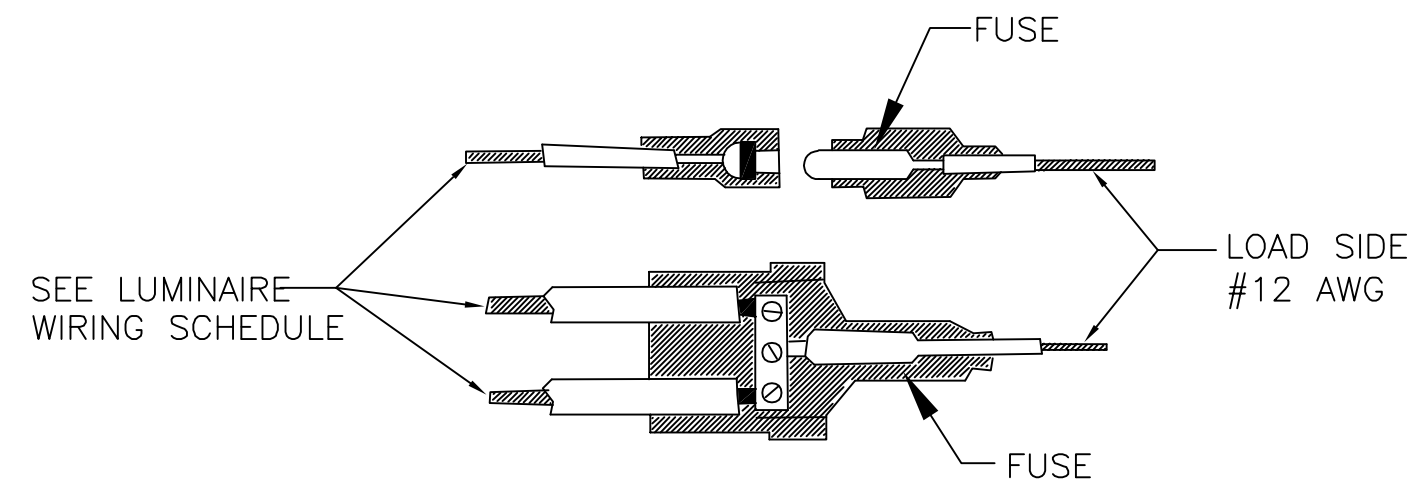
DETAIL B



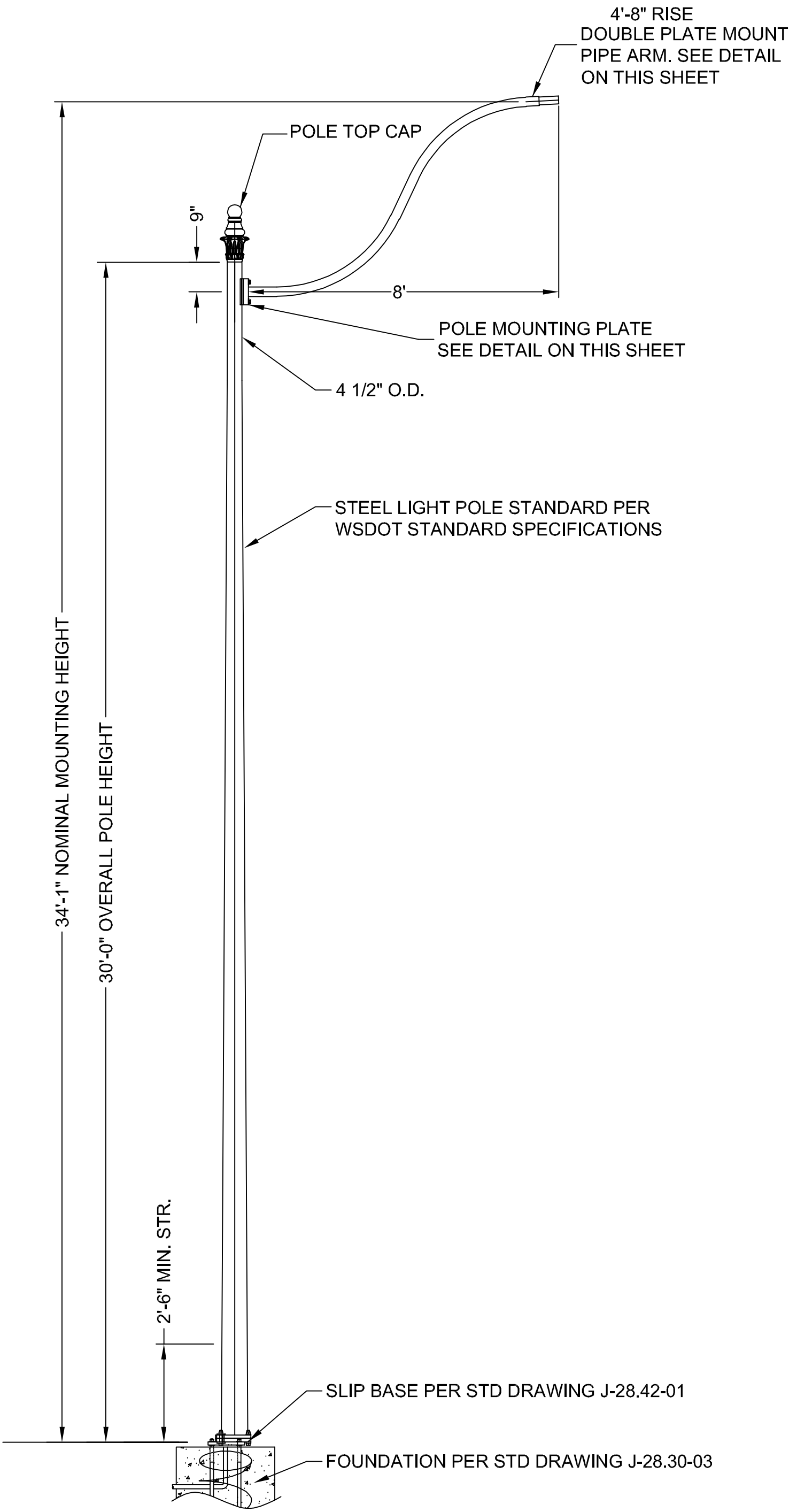
POLE MOUNTING
PLATE DETAIL



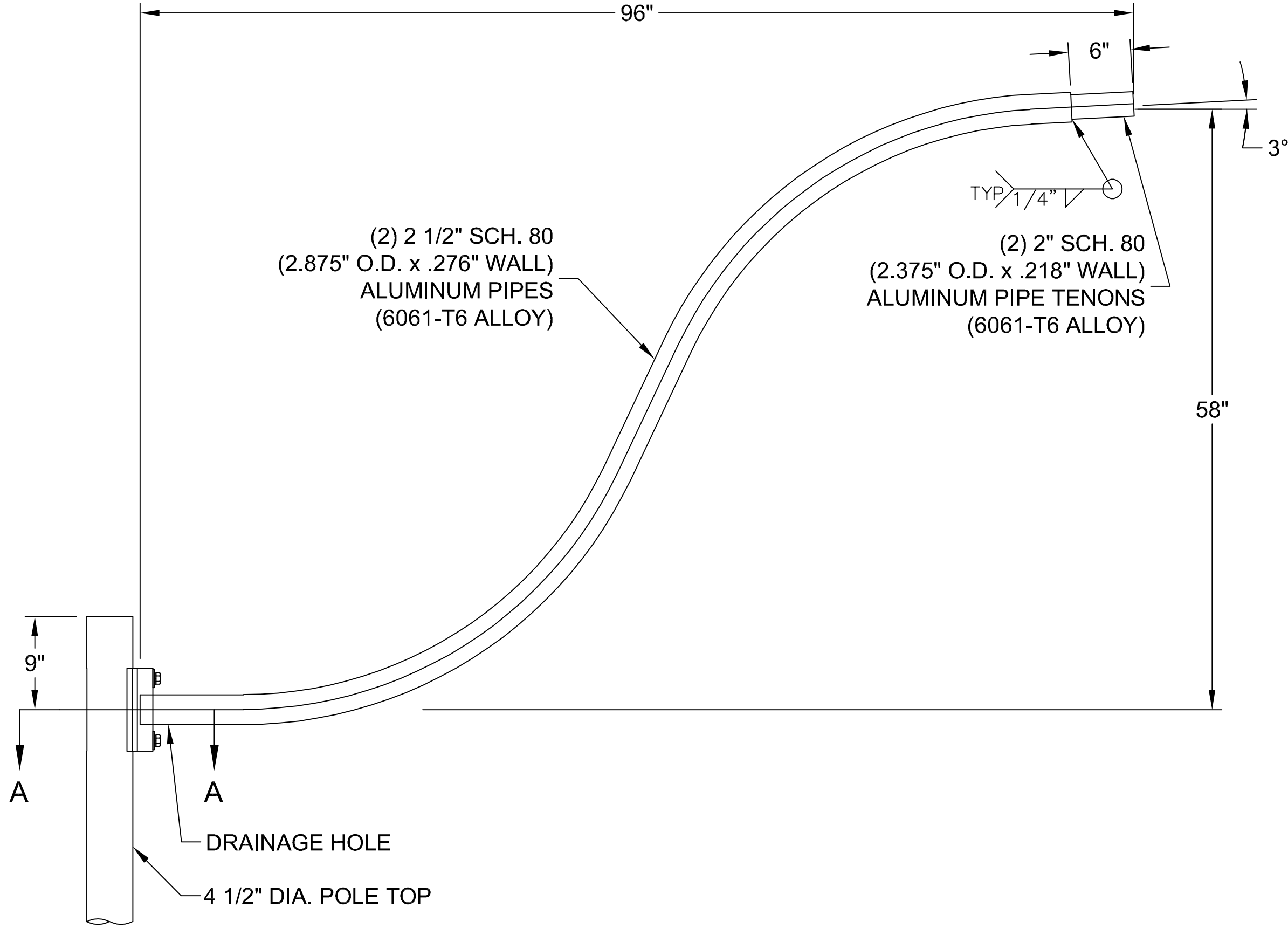
GROUNDING DETAIL



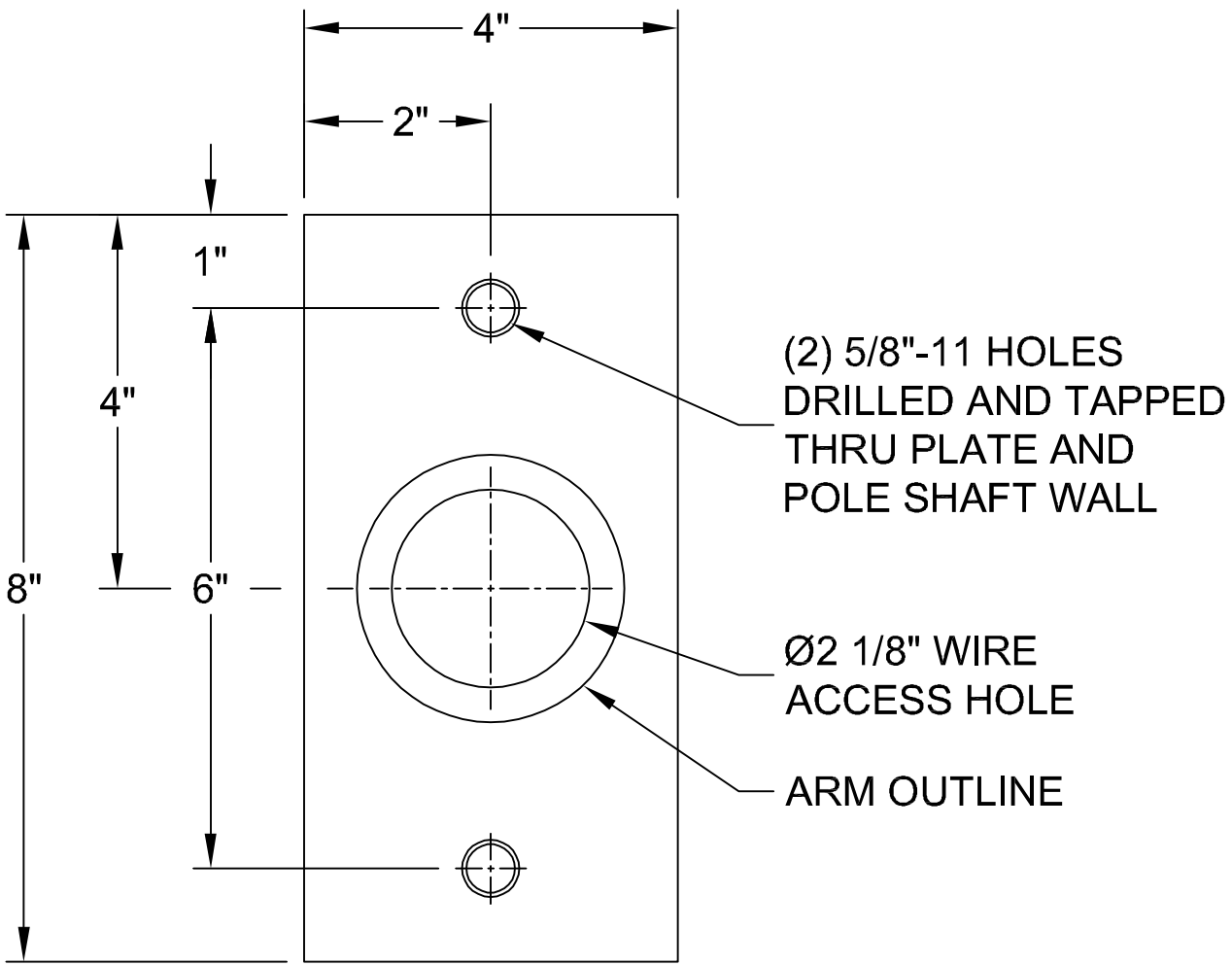
"V" DISCONNECT - FUSED



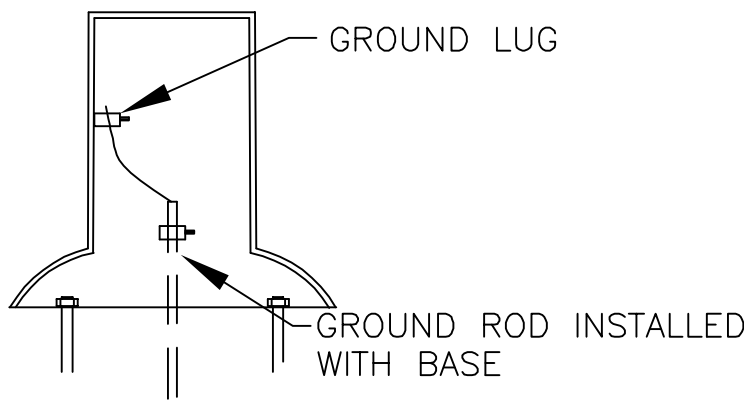
SINGLE LIGHTING STANDARD



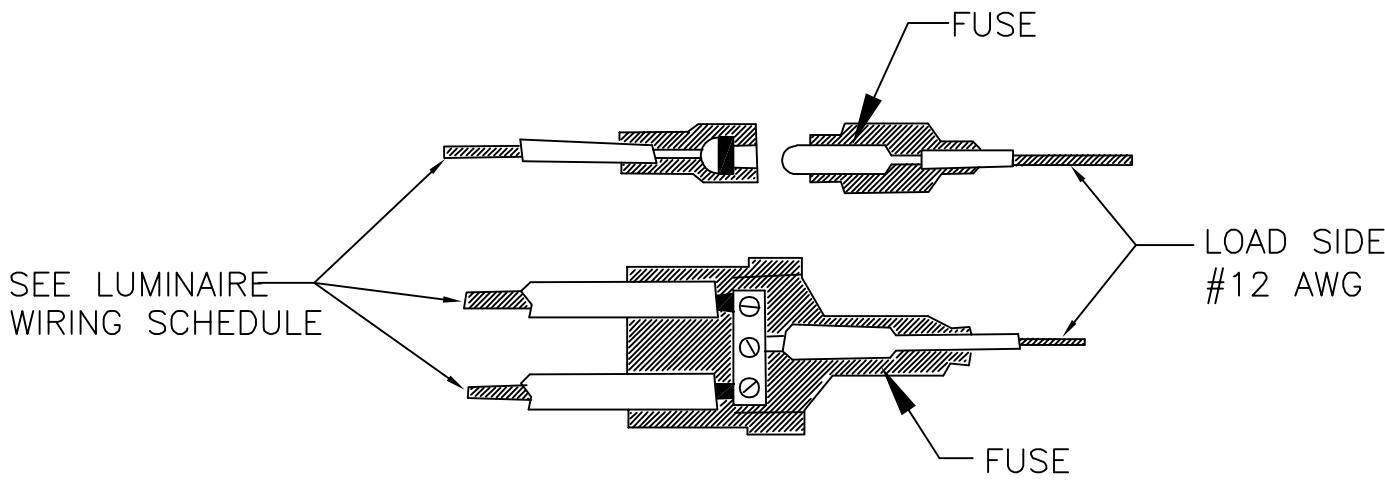
LUMINAIRE ARM



POLE MOUNTING
PLATE DETAIL



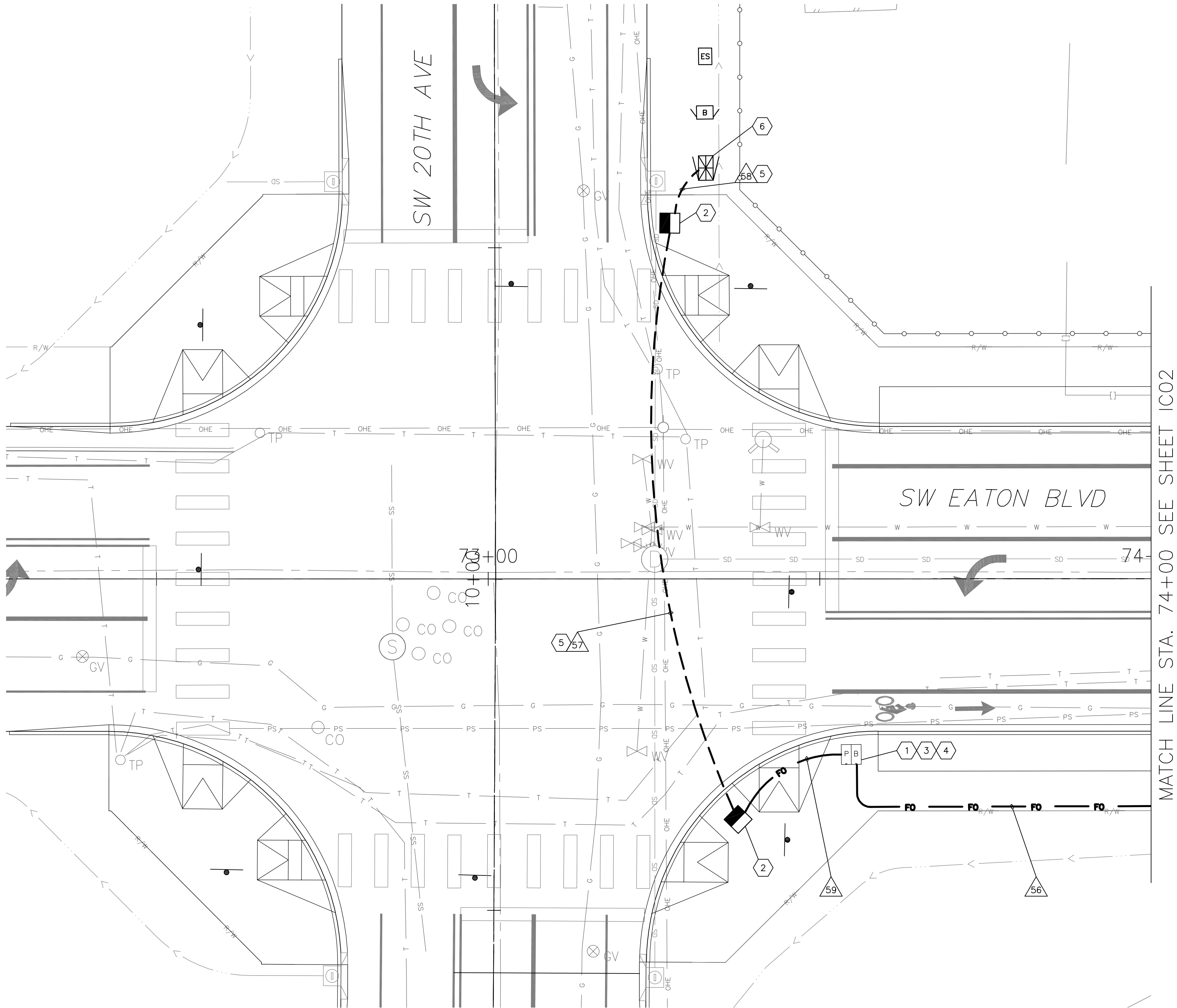
GROUNDING DETAIL



"V" DISCONNECT - FUSED

NOTES:

1. POLES, ANCHOR BASES, LUMINAIRE ARMS, AND BANNERS TO BE ALUMINUM ALLOY AND POWDER PAINTED SMOOTH DOUBLE BLACK.



WIRING SCHEDULE						
△ NO.	CONDUIT SIZE	24SMFO	48SMFO	LOCATE WIRE	PULL LINE	COMMENTS
56	2" HDPE		1	1	1	
57	2" PVC		1	1	1	*
58	3" PVC		1			*
59	3" PVC		1	1	1	
* = CONDUIT INSTALLED ON SIGNAL PLAN						

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

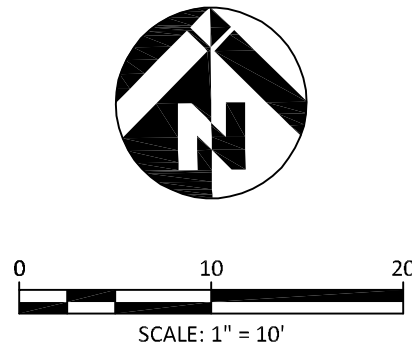
CONSTRUCTION NOTES:

- 1 INSTALL PULL BOX. SEE WSDOT STD. PLAN J-90.10.
- 2 SEE SHEET TS01 FOR JUNCTION BOX INSTALLATION AND OTHER CONDUIT/ CABLING REQUIREMENTS.
- 3 COIL 200FT OF CONTINUOUS 48SMFO CABLE IN PULL BOX.
- 4 INSTALL FIBER OPTIC SPLICE CLOSURE IN PULL BOX. SEE SHEET TS02 FOR SPLICE DIAGRAM
- 5 SEE SHEET TS01 FOR CONDUIT INSTALLATION AND ADDITIONAL CABLING REQUIREMENTS.
- 6 TRAFFIC SIGNAL CONTROLLER CABINET SEE SHEET TS02.

LEGEND	
	NEW PULL BOX
	TRAFFIC SIGNAL JUNCTION BOX, SEE SHEET TS02 FOR INSTALLATION AND ADDITIONAL CABLING REQUIREMENTS
	NEW INTERCONNECT CONDUIT
	TRAFFIC SIGNAL CONDUIT, SEE SHEET TS01 FOR INSTALLATION AND ADDITIONAL CABLING REQUIREMENTS
	WIRE NOTE
	CONSTRUCTION NOTE

GENERAL NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONDUIT AND JUNCTION BOX INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED UTILITY CONDUITS EXIST.

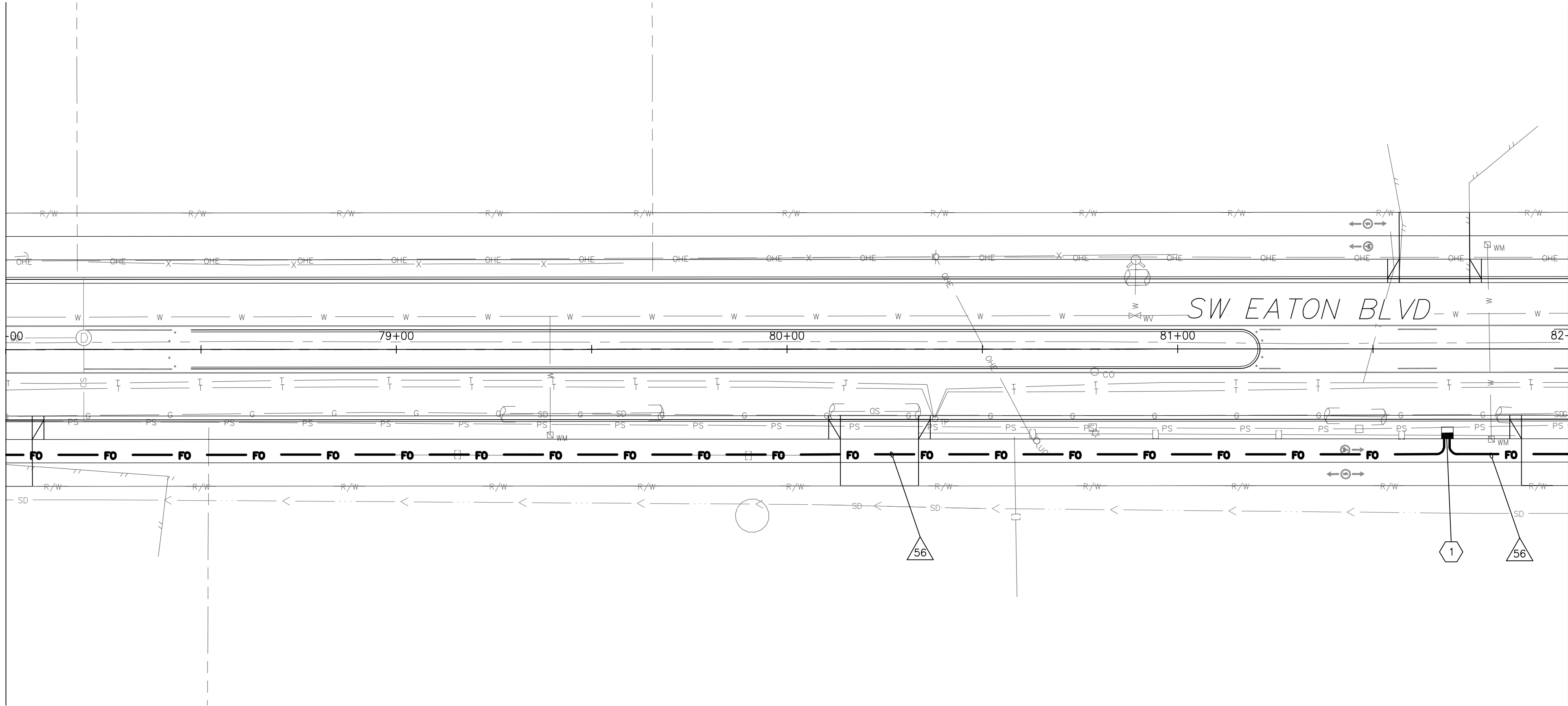


REVISIONS:	

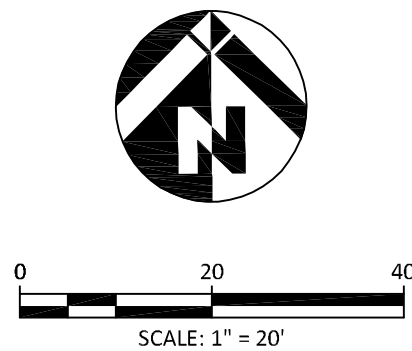
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1"=20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

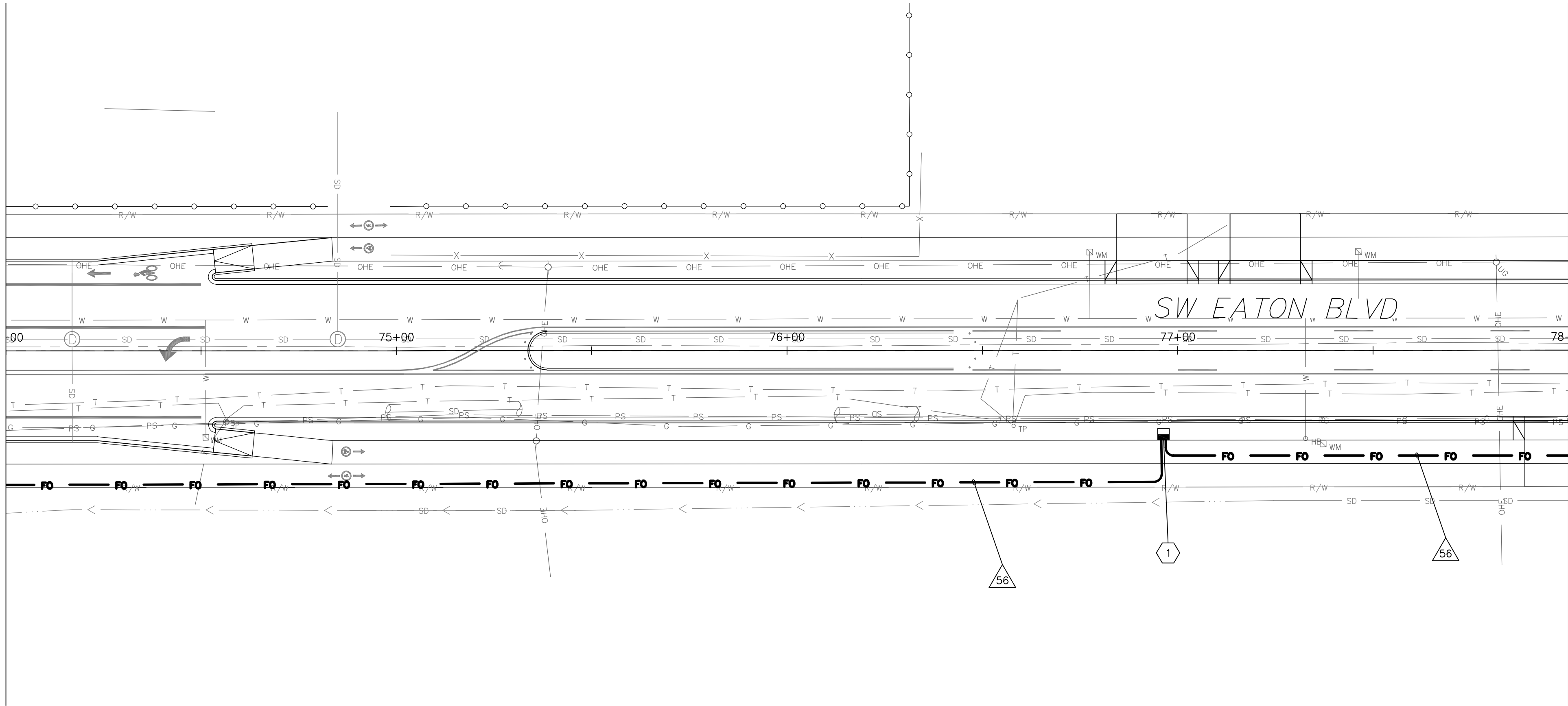
MATCH LINE STA. 78+00 SEE ABOVE RIGHT



MATCH LINE STA. 82+00 SEE SHEET IC03



MATCH LINE STA. 74+00 SEE SHEET IC01



MATCH LINE STA. 78+00 SEE BELOW LEFT

WIRING SCHEDULE

△ NO.	CONDUIT SIZE	24SMFO	48SMFO	LOCATE WIRE	PULL LINE	COMMENTS
56	2" HDPE		1	1	1	

WIRING SCHEDULE LEGEND:

PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

CONSTRUCTION NOTES:

- 1 INSTALL NEW TYPE 8 JUNCTION BOX IN PLANTER STRIP.
SEE WSDOT STD. PLAN J-40.30.

LEGEND

- NEW TYPE 8 JUNCTION BOX
— FO — NEW INTERCONNECT CONDUIT
△ WIRE NOTE
⬡ CONSTRUCTION NOTE

GENERAL NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONDUIT AND JUNCTION BOX INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED UTILITY CONDUITS EXIST.

REVISIONS:

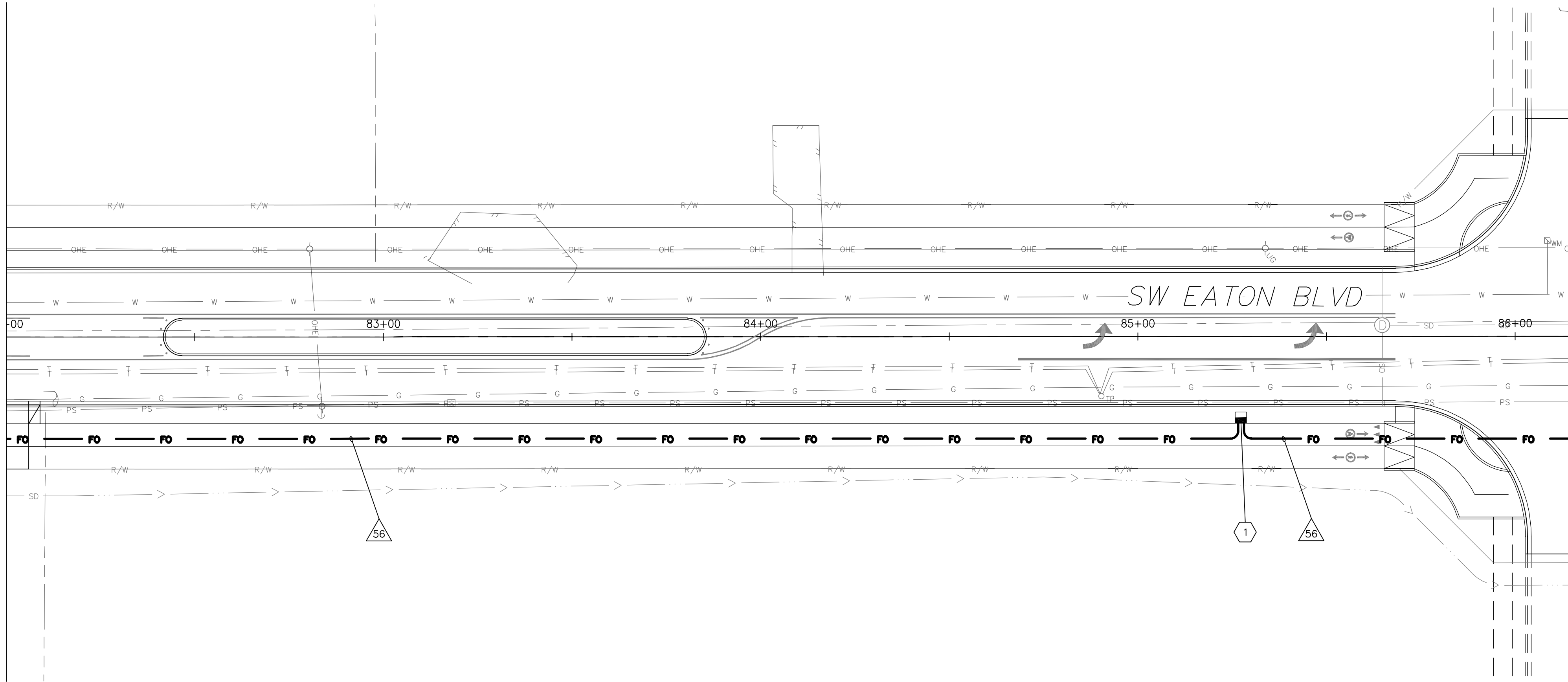
JOB NO.: 17499
DATE: 12-15-2021
SCALE: 1"=20'
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

60% SUBMITTAL

IC02

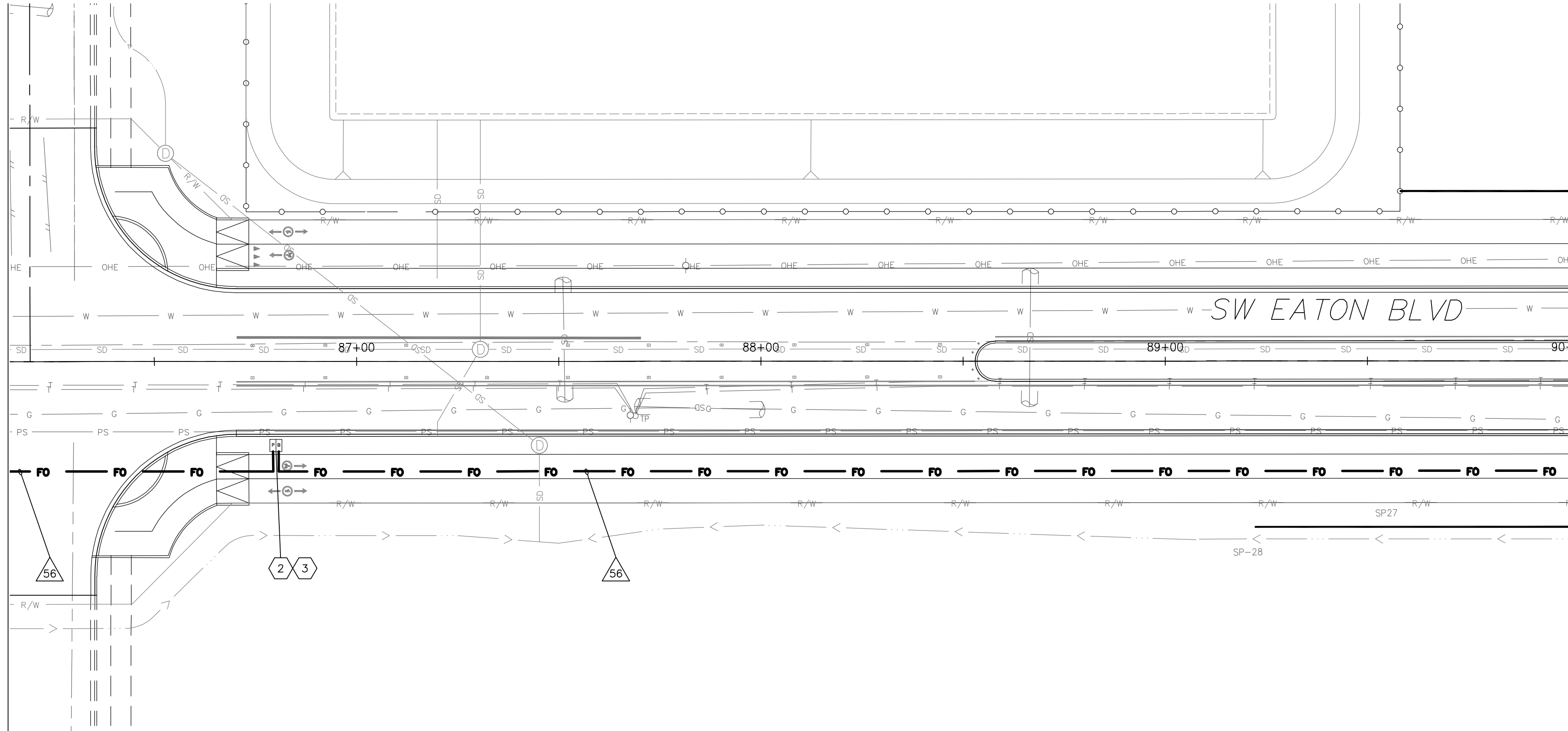
NO. # OF #

MATCH LINE STA. 82+00 SEE SHEET IC02



MATCH LINE STA. 86+14.39 SEE BELOW LEFT

MATCH LINE STA. 86+14.39 SEE ABOVE RIGHT



MATCH LINE STA. 90+00 SEE SHEET IC04

WIRING SCHEDULE						
△ NO.	CONDUIT SIZE	24SMFO	48SMFO	LOCATE WIRE	PULL LINE	COMMENTS
56	2" HDPE		1	1	1	

WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

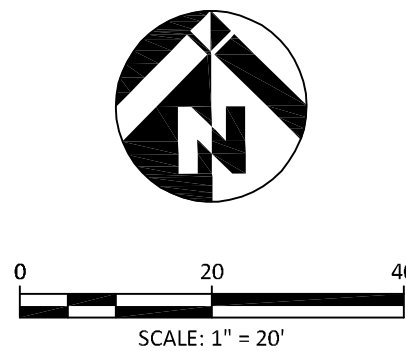
CONSTRUCTION NOTES:

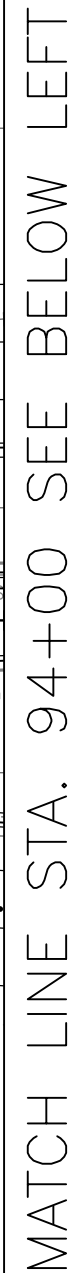
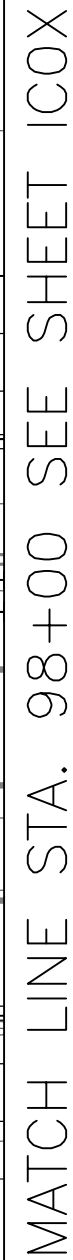
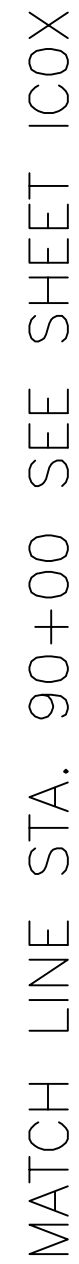
- 1 INSTALL NEW TYPE 8 JUNCTION BOX IN PLANTER STRIP. SEE WSDOT STD. PLAN J40.30.
- 2 INSTALL PULL BOX IN PLANTER STRIP. SEE WSDOT STD. PLAN J-90.10.
- 3 COIL 200FT OF CONTINUOUS 48SMFO CABLE IN PULL BOX.

LEGEND	
	NEW PULL BOX
	NEW TYPE 8 JUNCTION BOX
	NEW INTERCONNECT CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE





GENERAL NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONDUIT AND JUNCTION BOX INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED UTILITY CONDUITS EXIST.





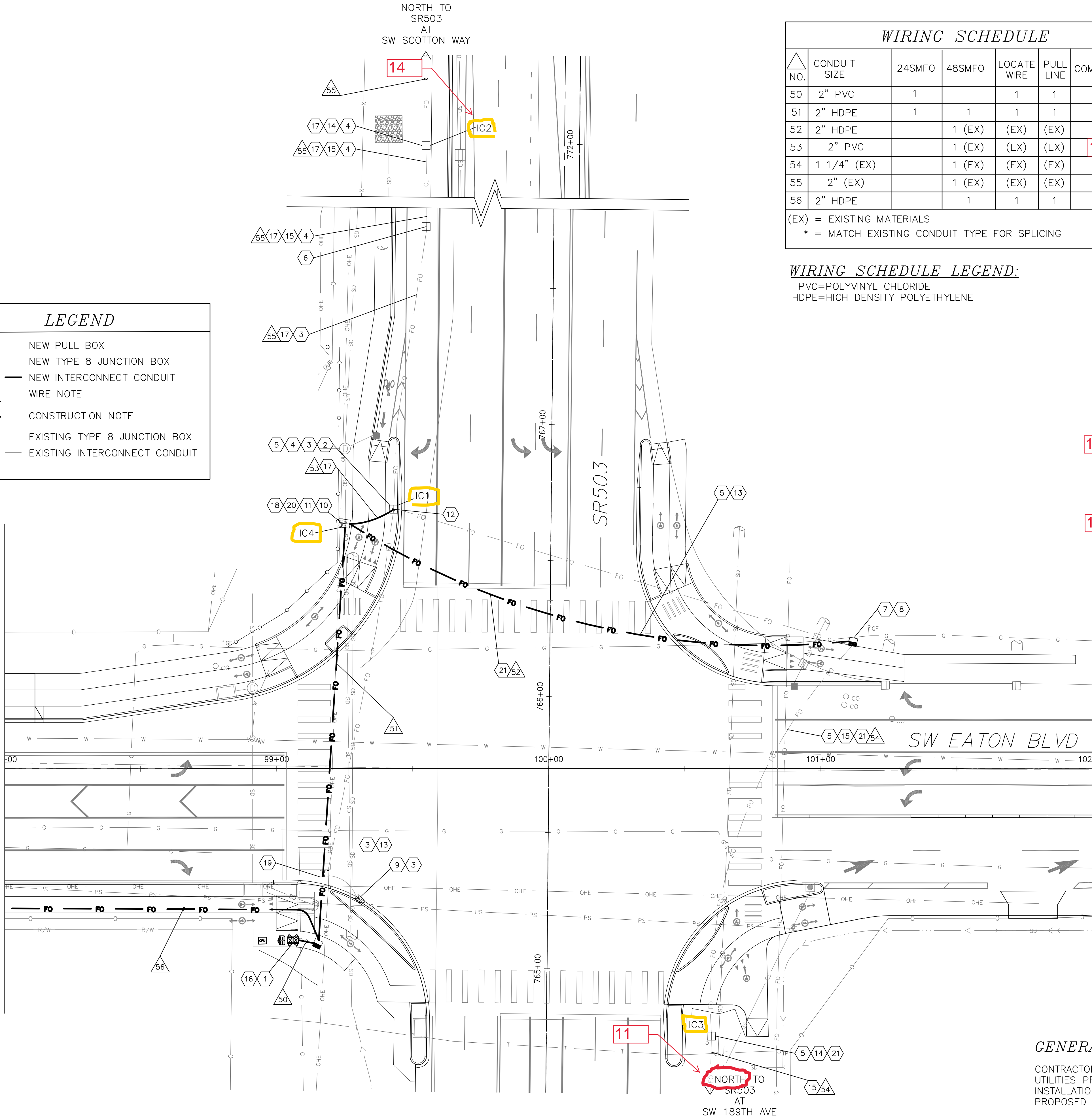
WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

LEGEND	
	NEW TYPE 8 JUNCTION BOX
	NEW INTERCONNECT CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\IC04_IC05.DWG

LEGEND	
	NEW PULL BOX
	NEW TYPE 8 JUNCTION BOX
	NEW INTERCONNECT CONDUIT
	WIRE NOTE
	CONSTRUCTION NOTE
	EXISTING TYPE 8 JUNCTION BOX
	EXISTING INTERCONNECT CONDUIT

MATCH LINE STA. 98+00 SEE SHEET IC0X



WIRING SCHEDULE						
△ NO.	CONDUIT SIZE	24SMFO	48SMFO	LOCATE WIRE	PULL LINE	COMMENTS
50	2" PVC	1		1	1	
51	2" HDPE	1	1	1	1	
52	2" HDPE		1 (EX)	(EX)	(EX)	
53	2" PVC		1 (EX)	(EX)	(EX)	16
54	1 1/4" (EX)		1 (EX)	(EX)	(EX)	
55	2" (EX)		1 (EX)	(EX)	(EX)	
56	2" HDPE		1	1	1	

(EX) = EXISTING MATERIALS
* = MATCH EXISTING CONDUIT TYPE FOR SPLICING

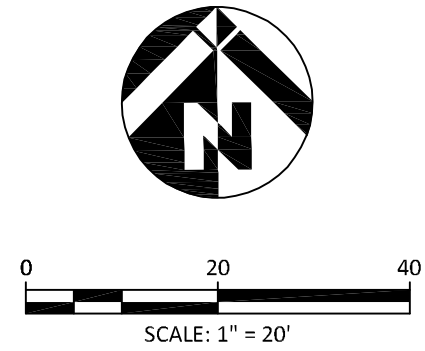
WIRING SCHEDULE LEGEND:
PVC=POLYVINYL CHLORIDE
HDPE=HIGH DENSITY POLYETHYLENE

CONSTRUCTION NOTES:

- NEW CONTROL/ ITS CABINET. SEE TRAFFIC SIGNAL PLAN TS02 FOR INSTALLATION.
- DISCONNECT EXISTING 48SMFO AND 24SMFO CABLES WITHIN SPLICE CLOSURE IN EXISTING JUNCTION BOX.
- REMOVE AND SALVAGE EXISTING 24SMFO CABLE BETWEEN EXISTING JUNCTION BOX IC2 AND THE EXISTING ITS CABINET.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC1 THROUGH EXISTING CONDUIT TO EXISTING JUNCTION BOX IC2 AND PROTECT CABLE DURING CONSTRUCTION.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC1/ SOUTH THROUGH EXISTING CONDUIT TO EXISTING JUNCTION BOX IC3 AND PROTECT CABLE DURING CONSTRUCTION.
- REMOVE CONDUIT STUB-UPS AND SPLICE EXISTING 2" INTERCONNECT CONDUITS FROM NORTH AND SOUTH TOGETHER. REMOVE EXISTING JUNCTION BOX.
- REMOVE AND SALVAGE EXISTING INTERCONNECT JUNCTION BOX.
- INSTALL NEW TYPE 8 JUNCTION BOX AT BACK OF SIDEWALK ADJUST EXISTING INTERCONNECT CONDUITS TO STUB-UP INTO NEW JUNCTION BOX.
- REMOVE AND SAVE EXISTING ITS CABINET, RETURN CABINET AND INTERNAL COMPONENTS TO WSDOT.
- INSTALL INTERCONNECT PULL BOX (SEE WSDOT STD. PLAN J-90.10-03). INTERCEPT EXISTING 4" INTERCONNECT CONDUIT FROM THE EAST AND STUB INTO THE NEW PULL BOX.
- INSTALL FIBER OPTIC SPLICE CLOSURE IN PULL BOX. SEE SHEET IC0X FOR FIBER SPLICE DIAGRAMS.
- SPLICE NEW CONDUIT TO EXISTING CONDUIT, NEW CONDUIT SHALL BE THE SAME SIZE AND TYPE AS THE EXISTING CONDUIT.
- ABANDON EXISTING INTERCONNECT CONDUIT NOT REUSED IN THE PERMANENT INTERCONNECT SYSTEM.
- MAINTAIN AND PROTECT EXISTING JUNCTION BOX.
- MAINTAIN AND PROTECT EXISTING INTERCONNECT CONDUIT.
- INSTALL COMMUNICATIONS COMPONENTS IN ITS SIDE OF CONTROLLER/ ITS CABINET, SEE SHEET IC06 AND THE SPECIAL PROVISIONS.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC2 THROUGH EXISTING AND NEW CONDUIT TO PULL BOX IC4.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC3 THROUGH EXISTING AND NEW CONDUIT TO PULL BOX IC4. COIL 100FT OF EXISTING CABLE IN IC4 FOR SPLICING.
- REMOVE EXISTING INTERCONNECT JUNCTION BOX.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC2 THROUGH EXISTING AND NEW CONDUIT TO PULL BOX IC4. COIL 100FT OF EXISTING CABLE IN IC4 FOR SPLICING.
- PULL EXISTING 48SMFO CABLE FROM JUNCTION BOX IC3 THROUGH THE EXISTING AND PROPOSED CONDUIT TO PULL BOX IC4.

GENERAL NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONDUIT AND JUNCTION BOX INSTALLATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF PROPOSED UTILITY CONDUITS EXIST.



SW EATON BOULEVARD ROAD IMPROVEMENT

CITY OF BATTLE GROUND, WA

INTERCONNECT PLAN

REVISIONS:

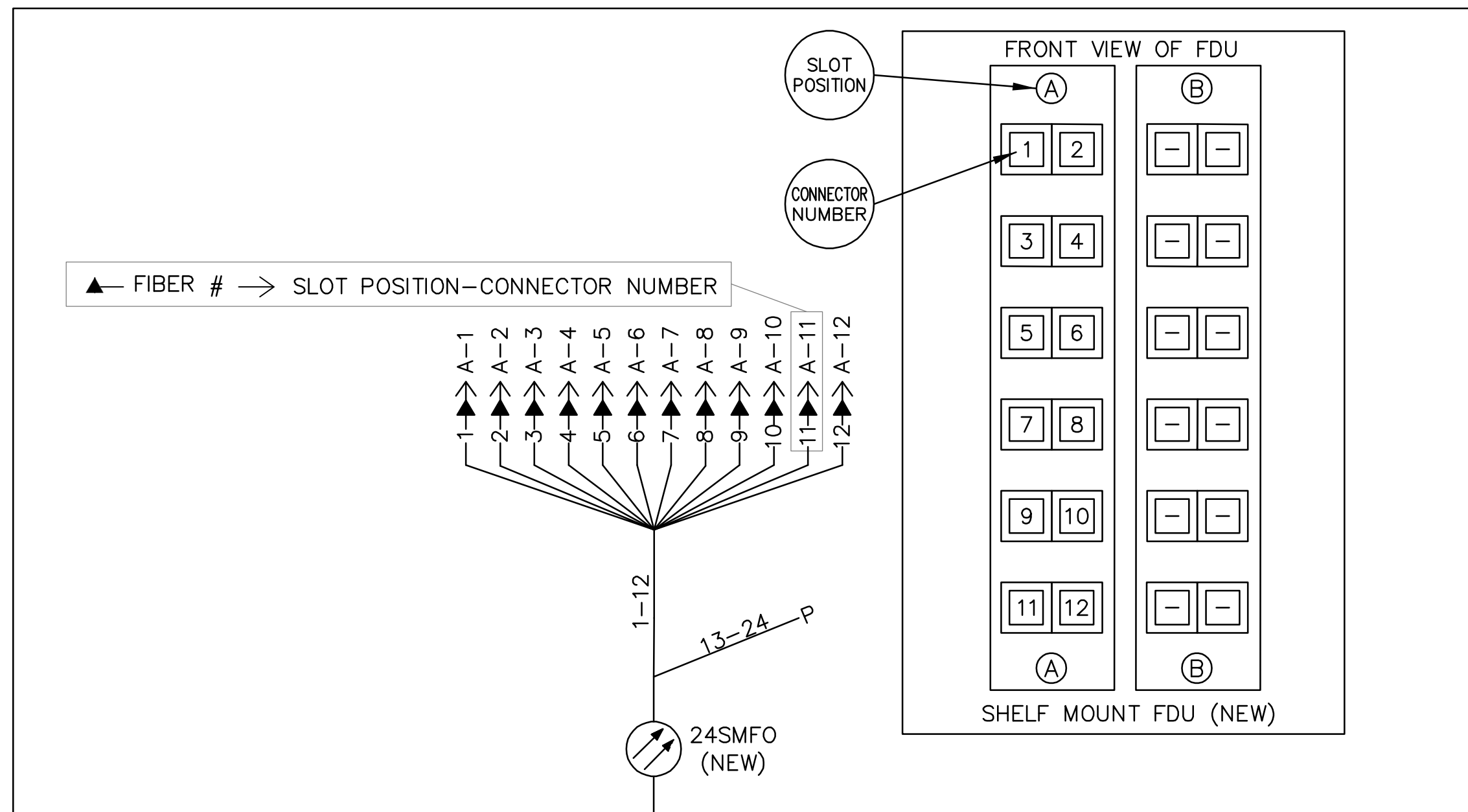
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	1" = 20'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

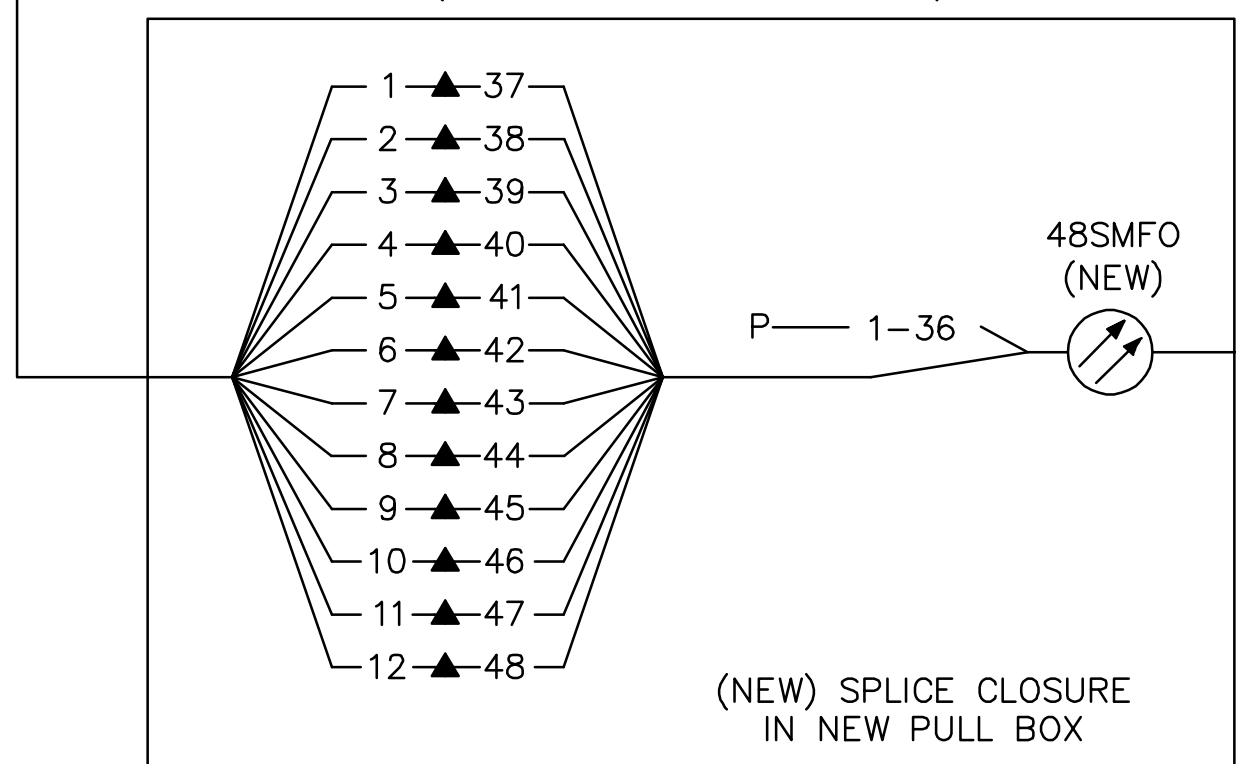
IC05
NO. # OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\IC06.DWG

SW EATON AVE/ SW 20TH AVE
NEW P44S TRAFFIC SIGNAL CABINET (SEE SHEET TS02)



SE CORNER OF
SW EATON BLVD/ SW 20TH AVE
(SEE SHEET IC0X)



GENERAL NOTES:

- ALL FIBER OPTIC CABLES AND CONNECTIONS SHALL BE LABELED. SEE SHEET D01 AND THE SPECIAL PROVISIONS FOR LABELING INSTRUCTIONS.
- EQUIPMENT AND WORK INSTALLED WITH THIS PROJECT IS SHOWN WITH A DARK, SOLID LINE. EXISTING EQUIPMENT IS SHOWN AS A DASHED LINE.
- FIBER OPTIC CABLE SHALL BE CONTINUOUS EXCEPT WHERE SPLICING IS INDICATED ON THE FIBER SPLICE DIAGRAMS AND IN THE SPECIAL PROVISIONS.

24SMFO & 48SMFO CABLE
FIBER COLOR CODE:

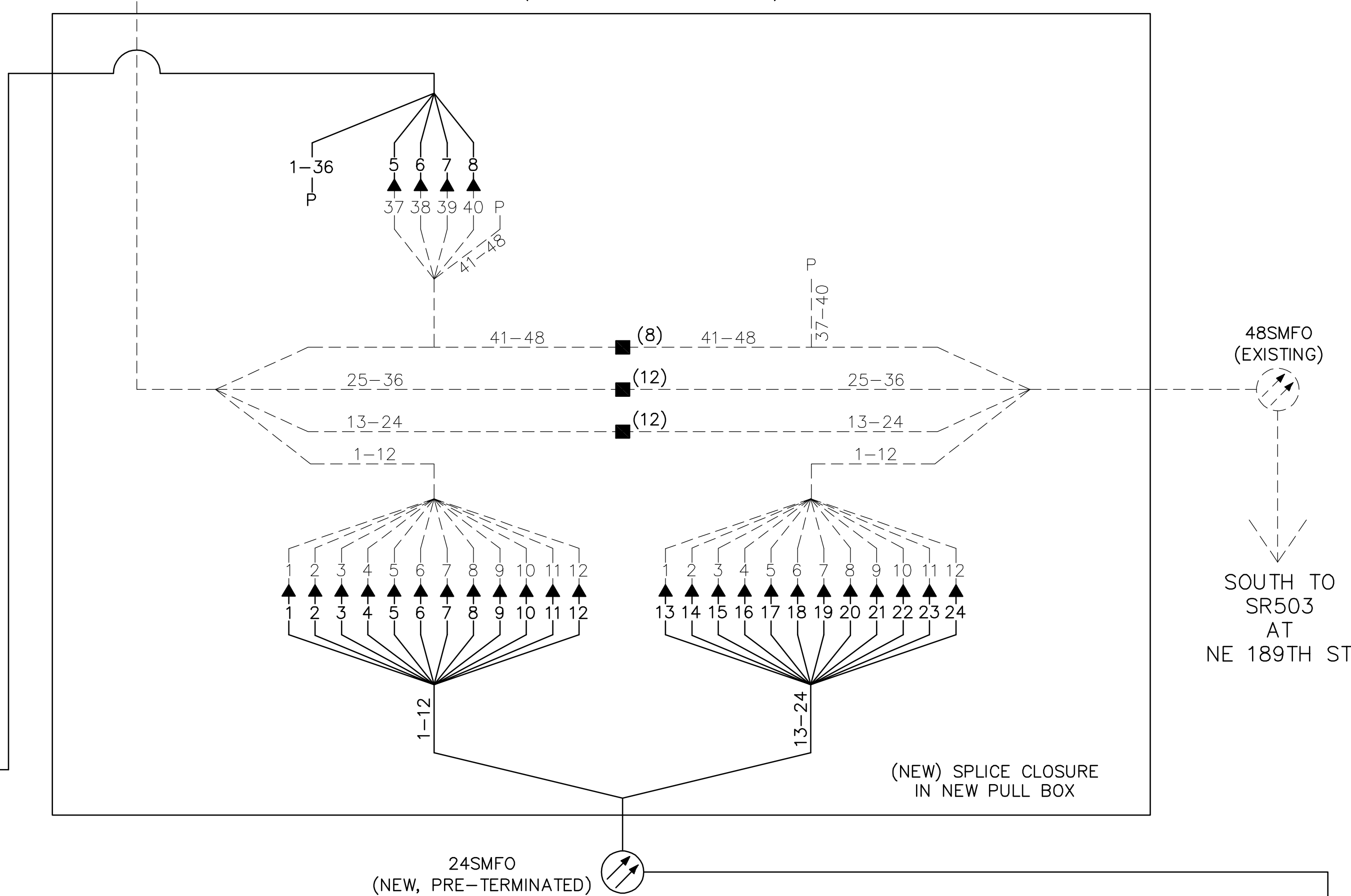
FIBER COLOR	BLUE TUBE	ORANGE TUBE	GREEN TUBE	BROWN TUBE
BLUE	1	13	25	37
ORANGE	2	14	26	38
GREEN	3	15	27	39
BROWN	4	16	28	40
SLATE	5	17	29	41
WHITE	6	18	30	42
RED	7	19	31	43
BLACK	8	20	32	44
YELLOW	9	21	33	45
VIOLET	10	22	34	46
ROSE	11	23	35	47
AQUA	12	24	36	48

LEGEND:

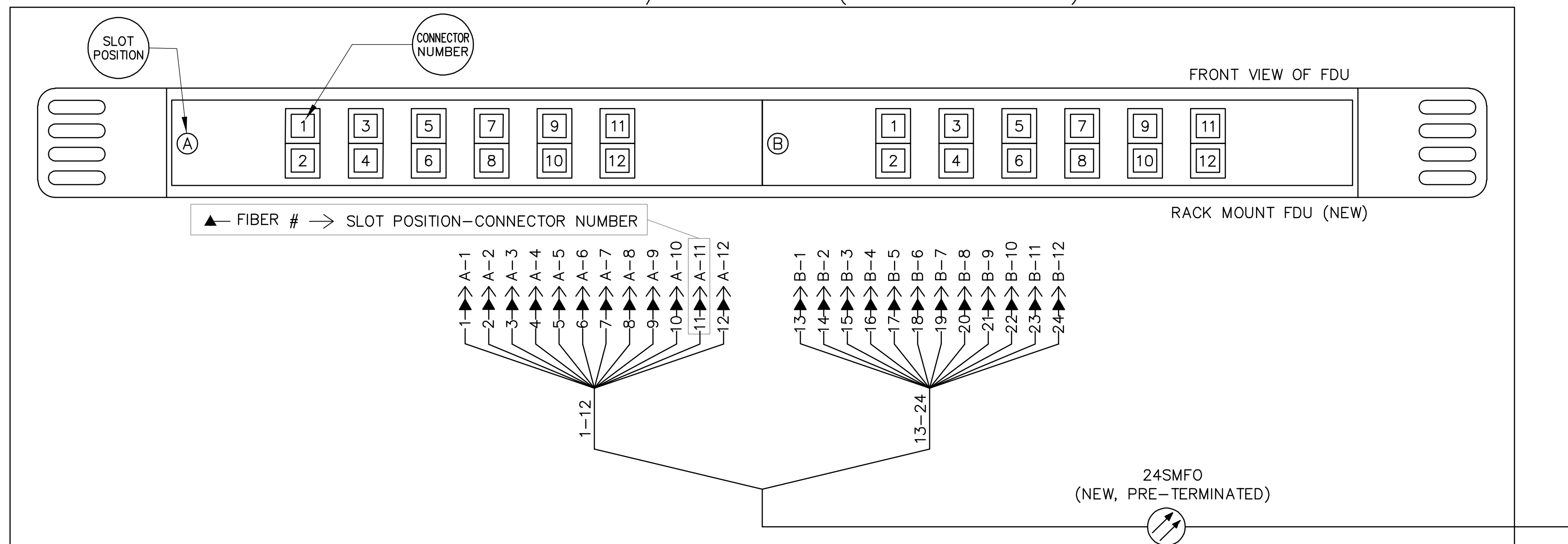
- PROPOSED
- ▲ SINGLE FIBER SPLICE
 - (#) MULTI FIBER SPLICE (#= NUMBER OF SPLICES)
 - FEMALE SC CONNECTOR
 - FACTORY CONNECTORIZED PIGTAIL WITH SC STYLE CONNECTOR
 - FIBER OPTIC CABLE
 - P PROTECT FIBER END
 - SMFO SINGLE MODE FIBER OPTIC CABLE
 - FDU FIBER DISTRIBUTION UNIT
- EXISTING
- FIBER OPTIC CABLE

NORTH TO
SR503
AT
SW SCOTTON WAY

NW CORNER OF
SR503/ SW EATON BLVD
(SEE SHEET IC05)



SR503/SW EATON AVE
NEW 332D TRAFFIC/ITS CABINET (SEE SHEET TS22)



FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS01.DWG

CONSTRUCTION NOTE LEGEND

CONTROLLERS & ELECTRIC SERVICE

- XX
NSP

NEMA TS2 TYPE 1, 2-DOOR, STRETCH P TRAFFIC SIGNAL CABINET WITH 8-INCH RISER FRAME AND CONCRETE PAD
- XX
CF

CABINET FOUNDATION AND GROUNDING ROD
- XX
BB
M

BATTERY BACKUP SYSTEM (M=MOUNTING TYPE, C FOR CONCRETE PAD, S FOR SIDE OF CABINET, P FOR POLE
- XX
MC

M

METERED SERVICE CABINET (# = NO OF AMPS, M=MOUNTING TYPE, C FOR CONCRETE PAD, S FOR SIDE OF CABINET.

DETECTION

- XX
RAD
D
T

RADAR VEHICLE DETECTION UNIT (T=TYPE, M FOR MATRIX AND A FOR ADVANCE, D= DIRECTION NB/SB/EB/WB)
- XX
ITS

FISH EYE LENS ITS CAMERA
- XX
CID

RADAR CABINET INTERFACE DEVICE – IN TRAFFIC SIGNAL CABINET
- XX
IR

INFRA RED EMERGENCY VEHICLE DETECTION UNIT

POLES

- XX
TP

STANDARD TRAFFIC SIGNAL POLE (T=TYPE) AND FOUNDATION
- XX
MA
L

TRAFFIC SIGNAL MAST ARM (L=LENGTH)
- XX
LA
L

LUMINAIRE ARM (L=LENGTH), MH=LUMINAIRE MOUNTING HEIGHT
- XX
PS

PEDESTRIAN SIGNAL POLE AND FOUNDATION

CONDUIT

- XX
T
D
S

CONDUIT (S=SIZE IN INCHES, T=TYPE, D=INSTALL BY HORIZONTAL DIRECEIONAL DRILLING).

JUNCTION BOXES, PULL BOXES & CABLE VAULTS

- XX
JB

L
C

JUNCTION BOX (#=TYPE, C=CONCRETE APRON; L=SKID RESISTANT LID)

SIGNALS

- XX
VPh
F
#

VEHICLE SIGNAL HEAD (Ph=PHASE AND HEAD NUMBER, #=NO OF SECTIONS IF MORE THAN STANDARD THREE SECTION, F=FLASHING YELLOW ARROW HEAD)
- XX
PPh

PEDESTRIAN SIGNAL HEAD (Ph=PHASE AND HEAD NUMBER)
- XX
APS
EB
#

PEDESTRIAN SIGNAL APS PUSHBUTTON AND INSTRUCTION SIGN, EB= EXTENSION BRACKET (#=QUANTITY IF MORE THAN ONE)

SIGNS

- XX
MSN

MAST ARM MOUNTED ALUMINUM STREET NAME SIGN
- XX
MAS

MAST ARM MOUNTED ALUMINUM SIGN N#=MUTCD NUMBER

MISCELLANEOUS

- XX
LUM
#

LUMINAIRE (# = LIGHTING SCENARIO)
- XX
LA

LUMINAIRE ARM
- XX
PE

PHOTO ELECTRIC CONTROL RELAY ON POLE WITH 3-12AWG WIRES TO SERVICE CABINET.
- XX
PTZ

LUMINAIRE MOUNTED PAN, TILT, ZOOM CAMERA WITH POWER SUPPLY IN CONTROLLER CABINET.

WIRES & CABLES

- XX
5CC
#

FIVE CONDUCTOR CABLE FOR TRAFFIC SIGNAL HEADS, PEDESTRIAN HEADS AND SPARE CABLES (#=QUANTITY IF MORE THAN ONE)
- XX
2CC
#

TWO CONDUCTOR CABLE FOR APS BUTTONS (#=QUANTITY IF MORE THAN ONE)
- XX
LUM
#-AWG

COPPER CONDUCTORS FOR ILLUMINATION (#=QUANTITY, AWG=SIZE)
- XX
PS

ELECTRIC POWER CONDUCTORS MEETING NATIONAL ELECTRIC CODE
- XX
CAT5e
#

OUTDOOR RATED CAT5e CABLE (#=QUANTITY IF MORE THAN ONE)
- XX
RAD
#

VENDOR'S SPECIFIC RADAR CABLE (#=QUANTITY IF MORE THAN ONE)
- XX
IR
#

VENDOR'S SPECIFIC OPTICOM CABLE (#=QUANTITY IF MORE THAN ONE)
- XX
PTZ

VENDOR'S SPECIFIC CAMERA CABLE
- XX
T

NO. 12 AWG STRANDED COPPER TRACER WIRE
- XX
PL

PULL LINE

TRAFFIC SIGNAL SYMBOLS

SYMBOL	DESCRIPTION
	TYPE II STANDARD WITH TERMINAL CABINET
	TYPE III STANDARD WITH TERMINAL CABINET
	PEDESTRIAN SIGNAL STANDARD
	STRETCH P-1 CONTROLLER CABINET
	BATTERY BACKUP SYSTEM
	PEDESTAL MOUNT ELECTRIC SERVICE
	TYPE 8 JUNCTION BOX
	STANDARD LED ARROW TRAFFIC SIGNAL DISPLAY HEAD
	CONVENTIONAL TRAFFIC SIGNAL DISPLAY HEAD
	PEDESTRIAN SIGNAL DISPLAY
	APS PEDESTRIAN PUSHBUTTON
	OPTICAL PREEMPTION DETECTOR
	PAN, TILT, ZOOM CAMERA
	ITS CAMERA
	STREET NAME SIGN
	ALUMINUM SIGN

LEGEND

IN — INSTALL NEW

REVISIONS:

JOB NO.:	17499
DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

TS01

NO. X OF #

SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

TRAFFIC SIGNAL PLAN
SW EATON BLVD AT SW 20TH AVE

REVISIONS:

OB NO.:	17499
DATE:	12-15-2021
SCALE:	1" = 10'
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

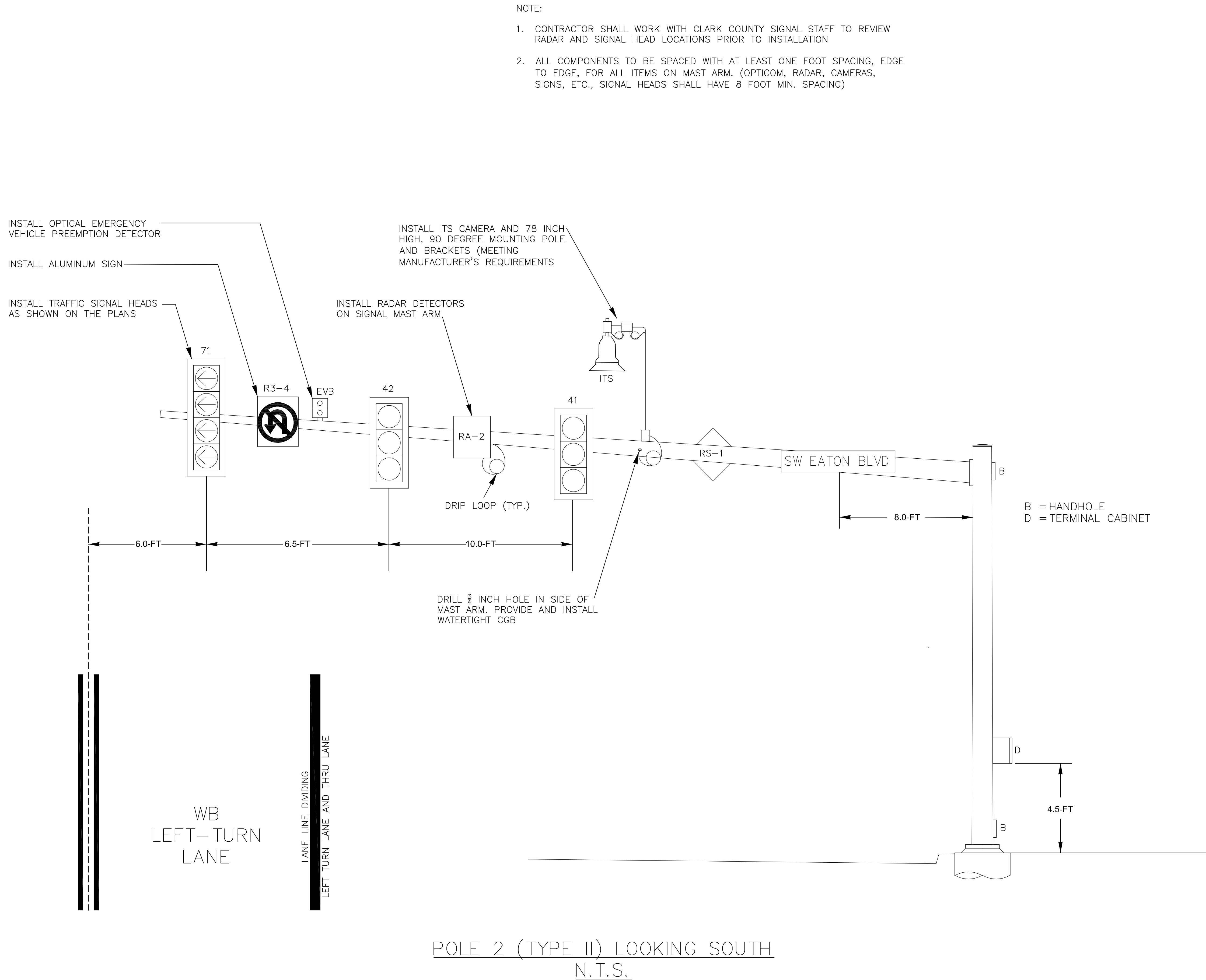
TS02

NO. X OF #



FILE: I:\GTE-PROJECTS\2020\P20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS02.DWG

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS03_TS06.DWG



REVISIONS:

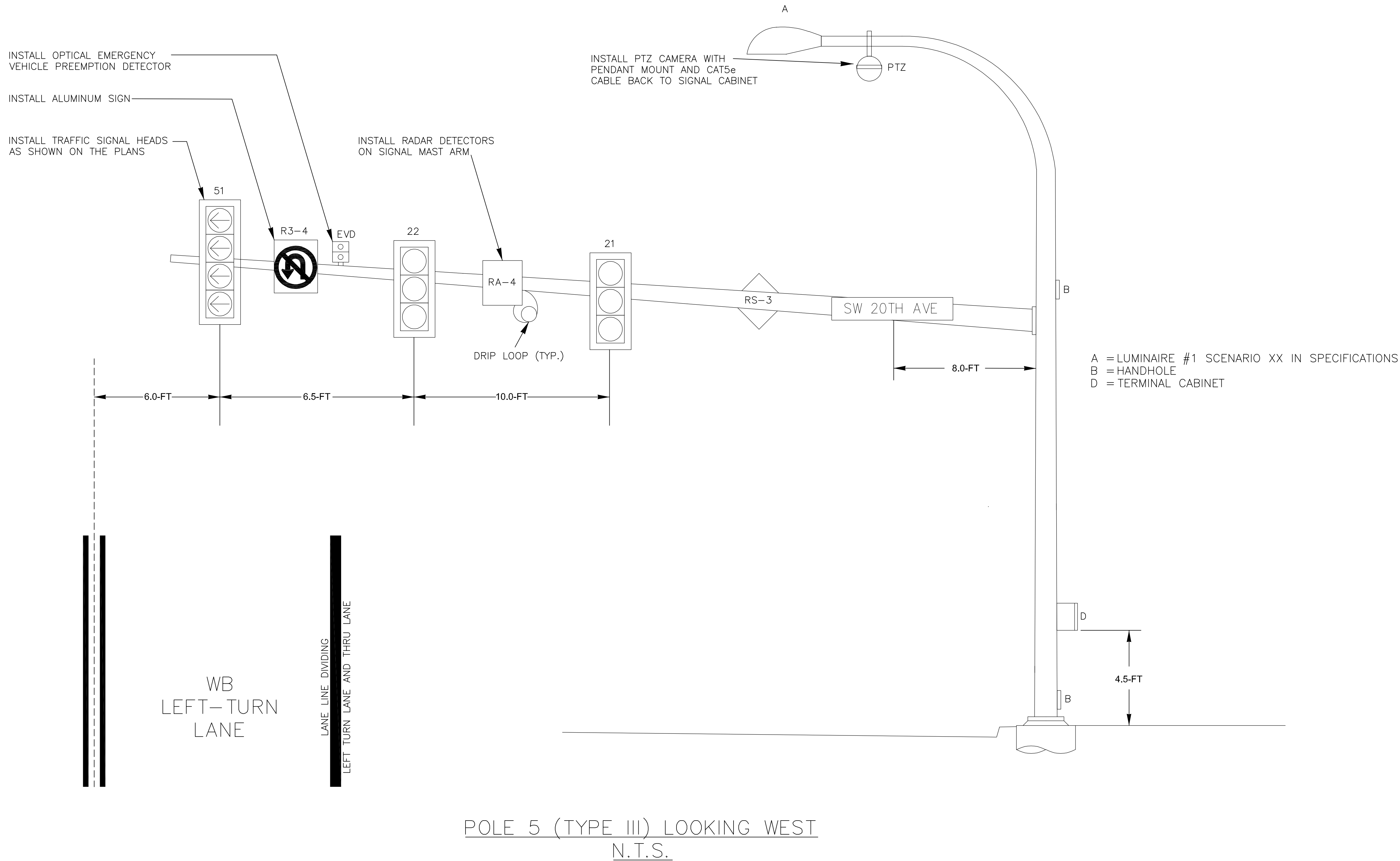
JOB NO.:	17499
DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

TS03

NO. X OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS03_TS06.DWG



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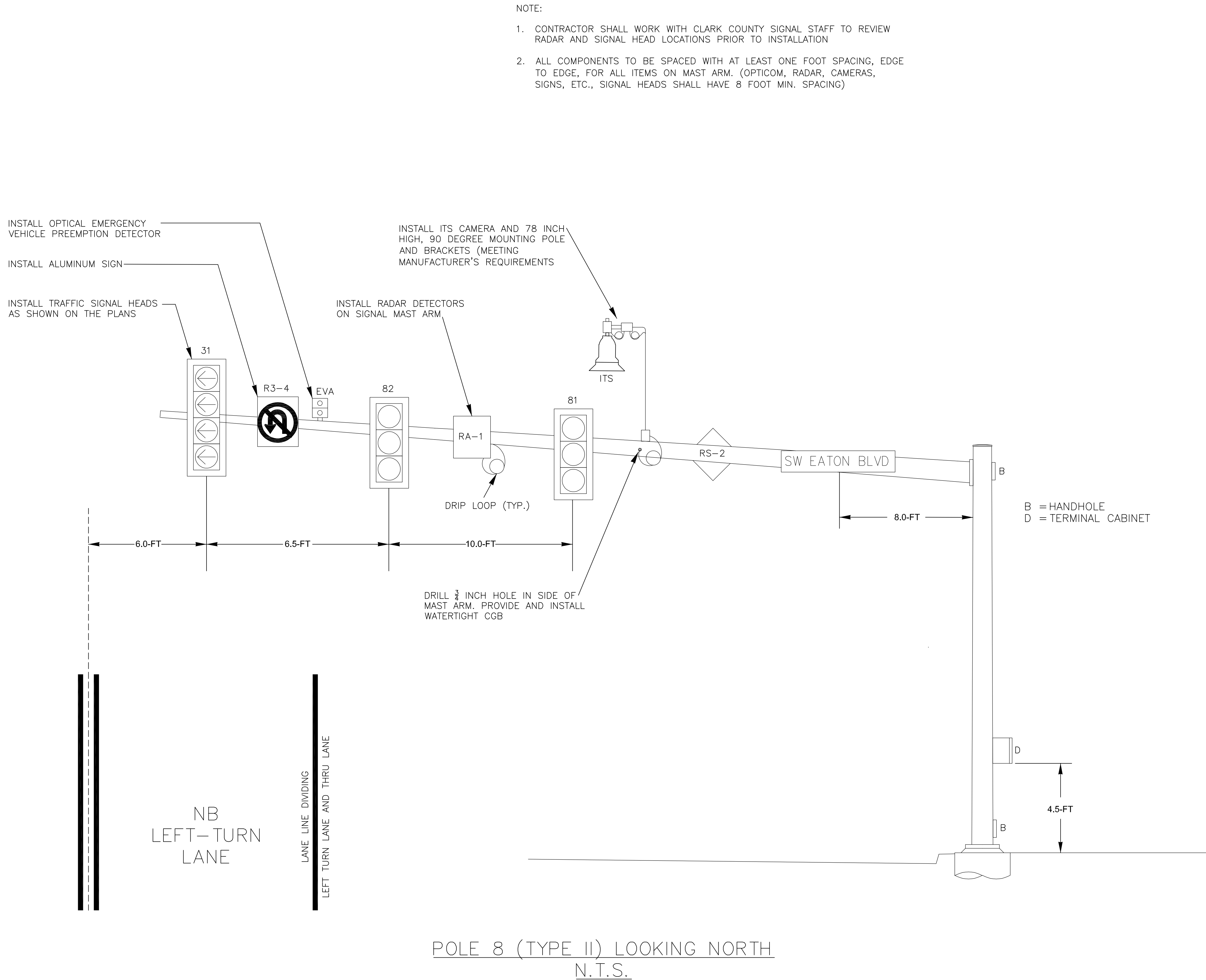
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DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

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TS04

NO. X OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS03_TS06.DWG



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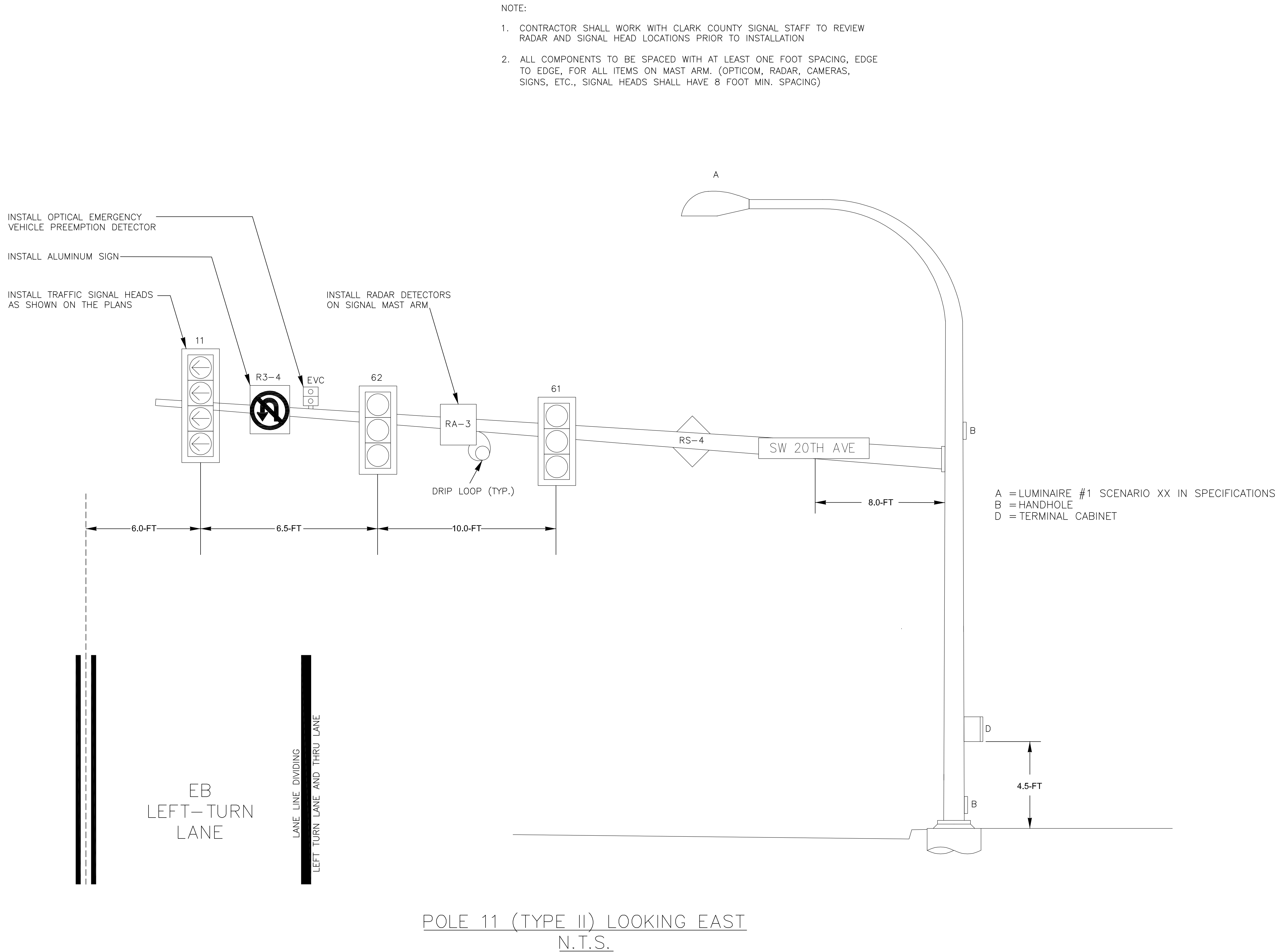
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DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

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TS05

NO. X OF #

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS03_TS06.DWG



FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS07.DWG

TRAFFIC SIGNAL CONSTRUCTION NOTES

TRAFFIC SIGNAL SYSTEM															ILLUMINATION SYSTEM				
POLE NUMBER	STATION	OFFSET	POLE TYPE	POLE HEIGHT	MAST ARM LENGTH	SIGNAL HEADS		OPTICOM PRE-EMPTION **	PEDESTRIAN PUSH BUTTONS	FOUNDATION DETAILS	TRAFFIC SIGNS AND OTHER OBJECTS	RADAR MOUNT	TERMINAL CABINET	SLIP BASE	LUMINAIRE NUMBER	PHOTO-ELECTRIC CELL	LUMINAIRE ARM LENGTH	LUMINAIRE	POLE NUMBER
						TRAFFIC *	PEDESTRIAN												
①	72+64.4	46.2 FT, RT	PS	8.0 FT	N/A	N/A	69	N/A	69	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	①
②	72+55.9	45.0 FT RT	II	SEE GSP	50.0 FT	41,42,71	N/A	EVB	N/A	WSDOT STD PLAN J-26.10	STREET D3 STREET NAME SIGN ON TYPE IX SHEETING, MATERIAL, ALUMINUM R3-4 SIGN, RADAR STOPBAR DETECTORS, RADAR ADVANCE DETECTOR, ITS CAMERA	YES (2)	YES	N/A	N/A	N/A	N/A	N/A	②
③	72+53.1	35.5 FT RT	PS	8.0 FT	N/A	N/A	48	N/A	48	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	③
④	72+53.0	35.4 FT LT	PS	8.0 FT	N/A	N/A	49	N/A	49	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	④
⑤	72+55.7	44.7 FT LT	III	SEE GSP	50.0 FT	21,22,51	N/A	EVD	N/A	WSDOT STD PLAN J-26.10	STREET D3 STREET NAME SIGN ON TYPE IX SHEETING MATERIAL, ALUMINUM R3-4 SIGN, RADAR STOPBAR DETECTORS, RADAR ADVANCE DETECTOR, PTZ CAMERA	YES (2)	YES	N/A	1	N/A	16	XXXXX	⑤
⑥	72+64.7	46.5 FT LT	PS	8.0 FT	N/A	N/A	28	N/A	28	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	⑥
⑦	73+37.2	46.7 FT LT	PS	8.0 FT	N/A	N/A	29	N/A	29	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	⑦
⑧	73+46.0	45.0 FT LT	II	SEE GSP	50.0 FT	81,82,31	N/A	EVA	N/A	WSDOT STD PLAN J-26.10	STREET D3 STREET NAME SIGN ON TYPE IX SHEETING, MATERIAL, ALUMINUM R3-4 SIGN, RADAR STOPBAR DETECTORS, RADAR ADVANCE DETECTOR, ITS CAMERA	YES (2)	YES	N/A	N/A	YES	N/A	N/A	⑧
⑨	73+47.7	36.2 FT LT	PS	8.0 FT	N/A	N/A	88	N/A	88	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	⑨
⑩	73+50.0	36.0 FT RT	PS	8.0 FT	N/A	N/A	89	N/A	89	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	⑩
⑪	73+45.9	45.0 FT RT	III	SEE GSP	50.0 FT	61,62,11	N/A	EVC	N/A	WSDOT STD PLAN J-26.10	STREET D3 STREET NAME SIGN ON TYPE IX SHEETING MATERIAL, ALUMINUM R3-4 SIGN, RADAR STOPBAR DETECTORS, RADAR ADVANCE DETECTOR, PTZ CAMERA	YES (2)	YES	N/A	2	N/A	16	XXXXX	⑪
⑫	73+37.0	46.6 FT RT	PS	8.0 FT	N/A	N/A	68	N/A	68	WSDOT STD PLAN J-21.10	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	⑫

* - ALL TRAFFIC SIGNAL HEADS SHALL BE MOUNTED ON WSDOT TYPE N MOUNTS. NO TENONS WILL BE ALLOWED ON MASTARMS.
** - OPTICAL PREEMPTION DETECTORS ON MASTARMS ARE TO BE FIELD DRILLED AND TAPPED, USING SCHEDULE 80- THREADED GALVANIZED 90-DEGREE ELBOWS, AND THREADED GALVANIZED SCHEDULE 80 PIPE, OR EQUAL APPROVED BY THE ENGINEER. THE MASTARM IS NOT REQUIRED RO BE PROVIDED WITH TENONS OR FITTINGS FOR THE OPTICAL PREEMPTION. THE CONTRACTOR SHALL DRILL THE TAP HOLE FOR THE MASTARM AT THE CENTER OF THE MASTARM. PRIOR TO DRILLING AND TAPPING OF THE OPTICAL PREEMPTION THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE LOCATION OF THE TAP HOLE - EITHER N/A OR SEE GENERAL SPECIAL PROVISIONS - DEPENDS ON POLE MANUFACTURER.

JUNCTION BOX SCHEDULE				
NUMBER	WSDOT JB TYPE	STATION	OFFSET	NOTE
⑤XX 500	8	72+63.9 (EATON)	36.0 FT RT	NEW WITH SKID RESISTANT LID
501	8	72+63.5 (EATON)	36.0 FT LT	NEW WITH SKID RESISTANT LID
502	8	73+27.4 (EATON)	53.7 FT LT	NEW WITH SKID RESISTANT LID
503	8	73+37.5 (EATON)	36.6 FT LT	NEW WITH SKID RESISTANT LID
504	8	73+37.7 (EATON)	36.3	NEW WITH SKID RESISTANT LID



227 SW Pine St, Suite 220
Portland, Oregon 97204

PRELIMINARY
NOT FOR
CONSTRUCTION

SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

TRAFFIC SIGNAL DETAILS (SHEET 5 OF 18)
SW EATON BLVD AT SW 20TH AVE

REVISIONS:

JOB NO.:	17499
DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

TS07

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS08.DWG

CLARK COUNTY SIGNALS
TRAFFIC SIGNAL FIELD
WIRING NUMBERING SYSTEM

501	AC+ INPUT	516-520	RAILROAD PRE-EMPT	SBA	SELF BLANK SIGN
502	AC- INPUT	5A1-5D5	EMERGENCY VEHICLE PRE-EMPT	SBC	SELF BLANK SIGN COMMON
503-510	CONTROL DISPLAY	541-580	COORDINATION		
511-515	SIGN LIGHTS	581-599	SPARE		

MOVEMENT NUMBER	PHASE								OVERLAP			
	1	2	3	4	5	6	7	8	A	B	C	D

VEHICULAR SIGNAL HEADS

CIRCULAR RED	611	621	631	641	651	661	671	681	6A1	6B1	6C1	6D1
CIRCULAR YELLOW	612	622	632	642	652	662	672	682	6A2	6B2	6C2	6D2
CIRCULAR GREEN	613	623	633	643	653	663	673	683	6A3	6B3	6C3	6D3
WIRED SPARE	614	624	634	644	654	664	674	684	6A4	6B4	6C4	6D4
WIRED SPARE	615	625	635	645	655	665	675	685	6A5	6B5	6C5	6D5
AC-(COMMON)	616	626	636	646	656	666	676	686	6A6	6B6	6C6	6D6
RED ARROW	617	627	637	647	657	667	677	687	6A7	6B7	6C7	6D7
YELLOW ARROW	618	628	638	648	658	668	678	688	6A8	6B8	6C8	6D8
GREEN ARROW	619	629	639	649	659	669	679	689	6A9	6B9	6C9	6D9

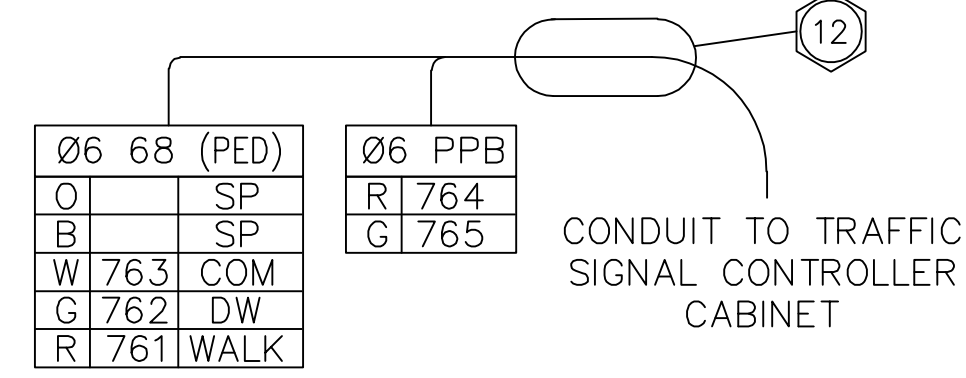
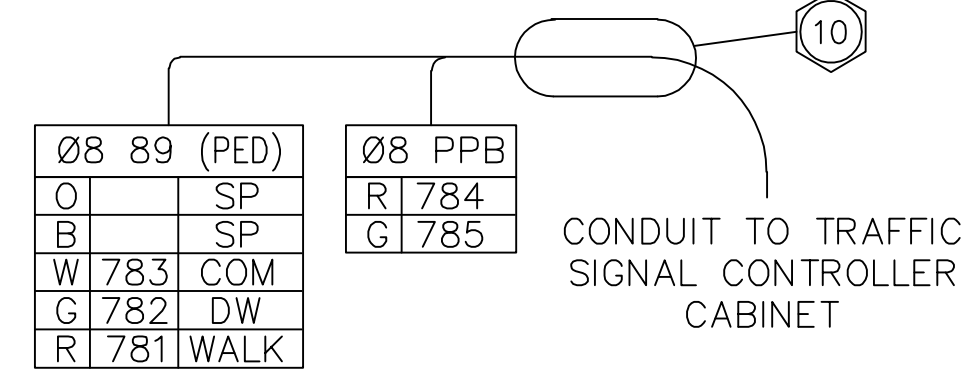
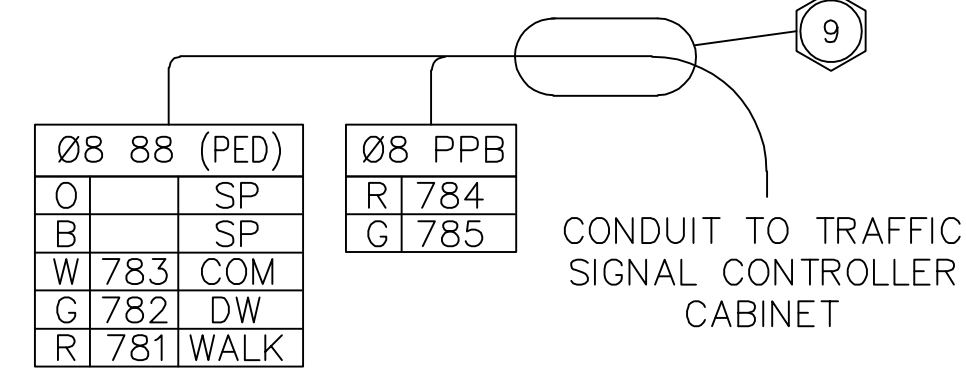
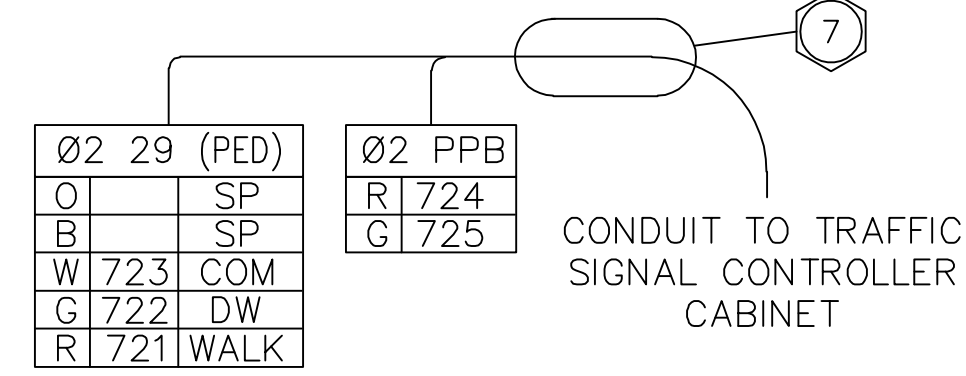
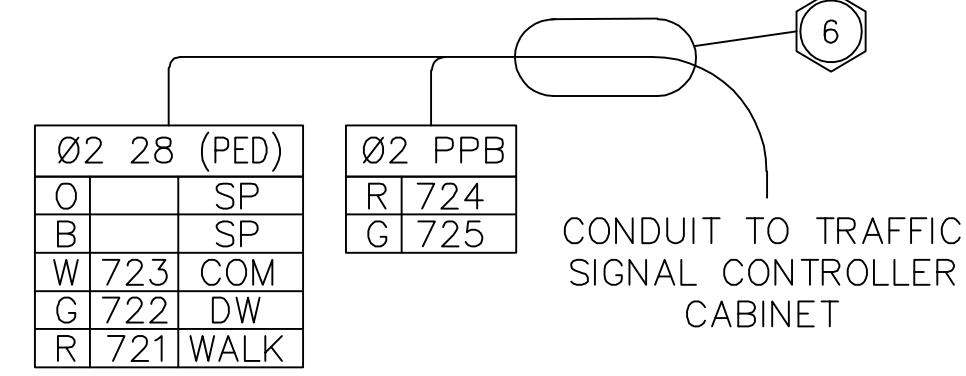
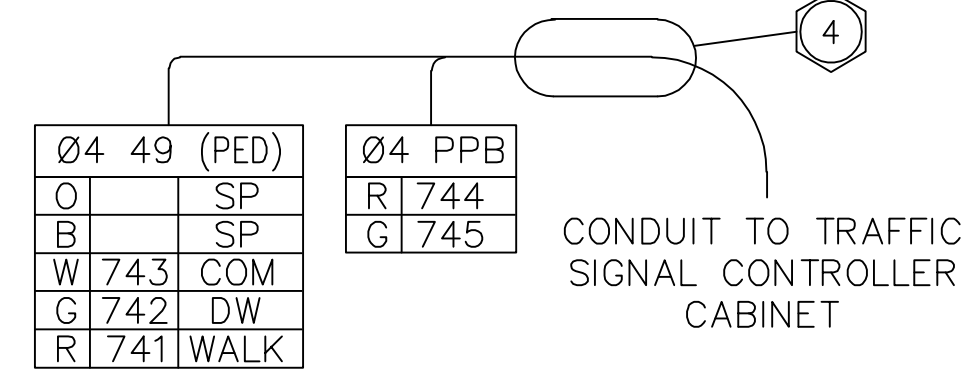
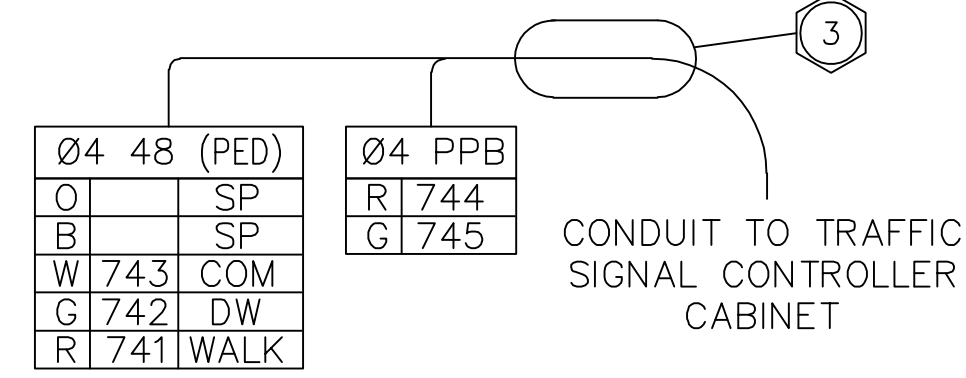
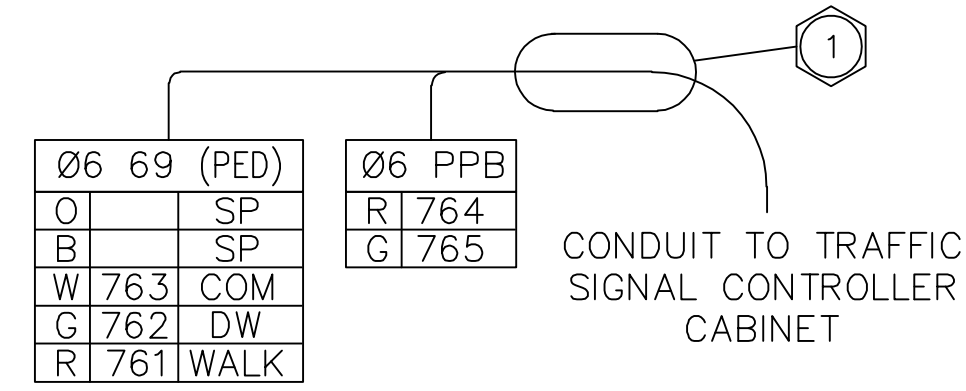
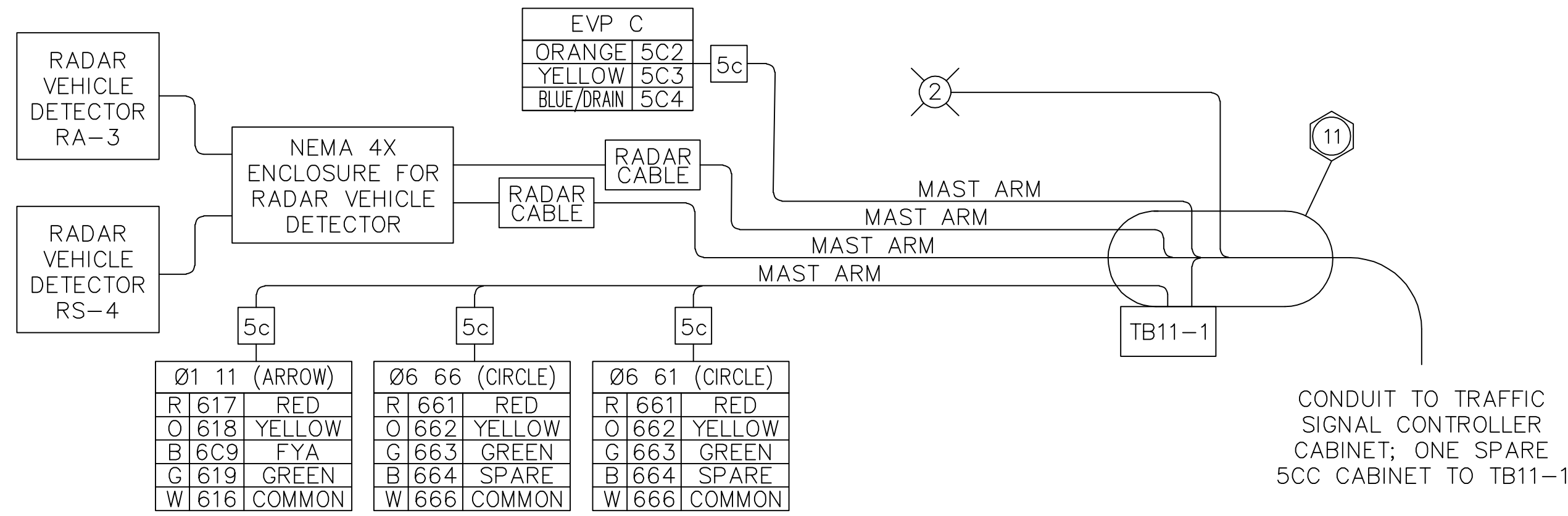
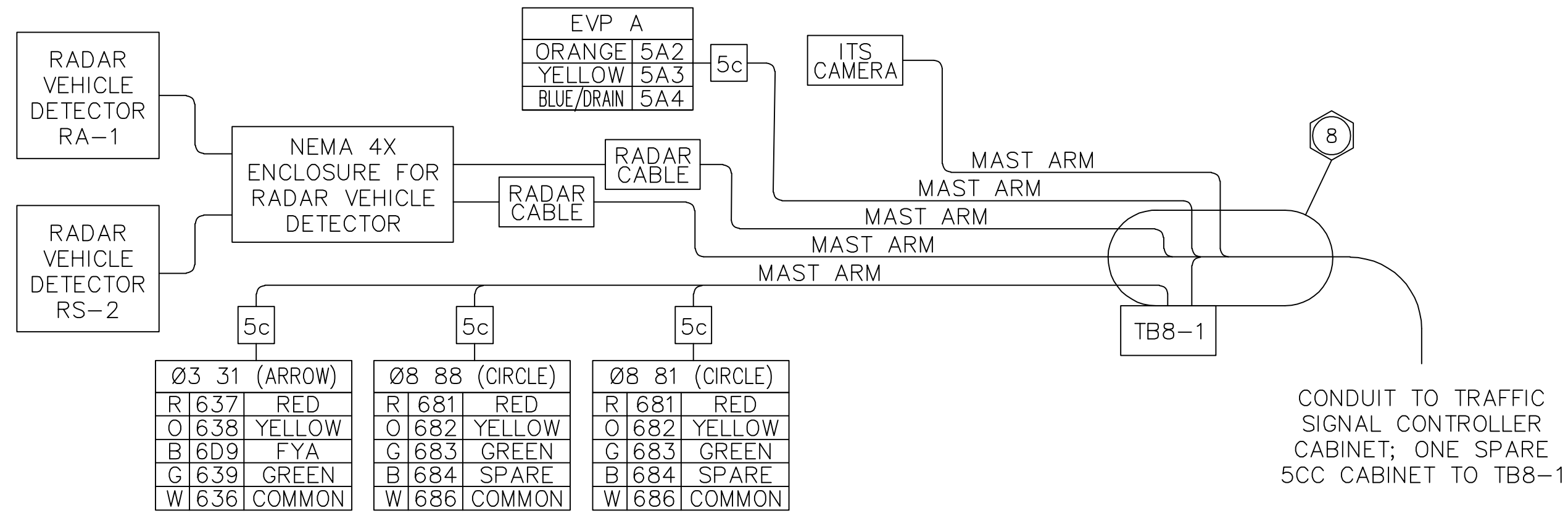
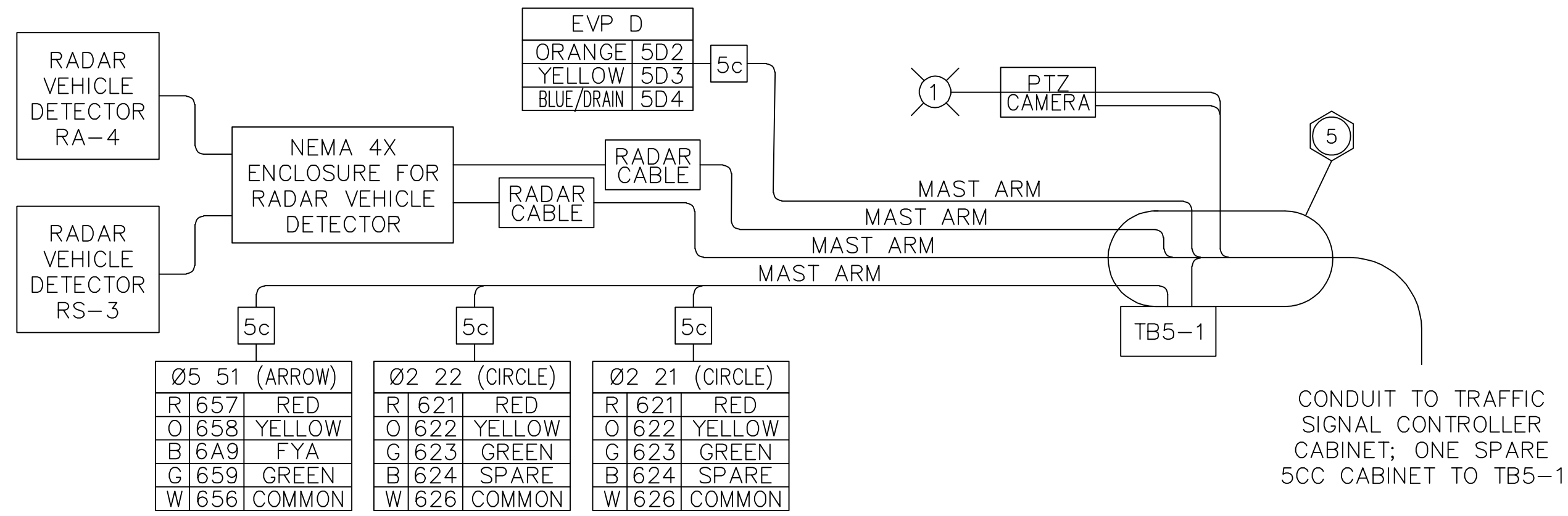
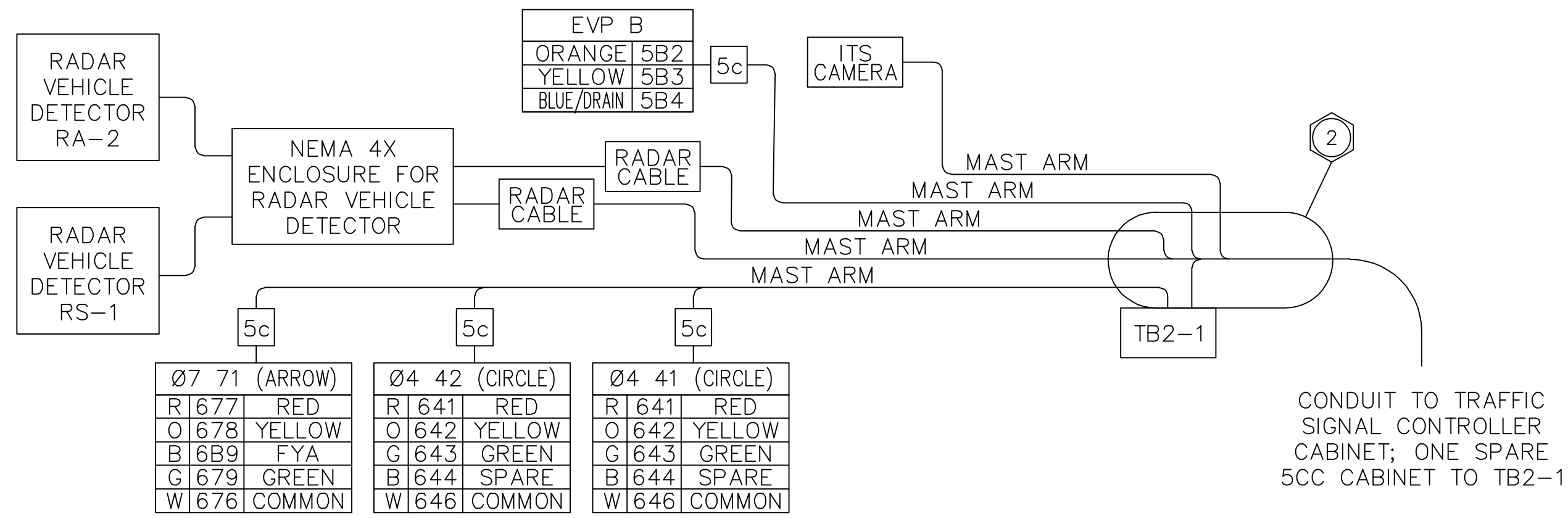
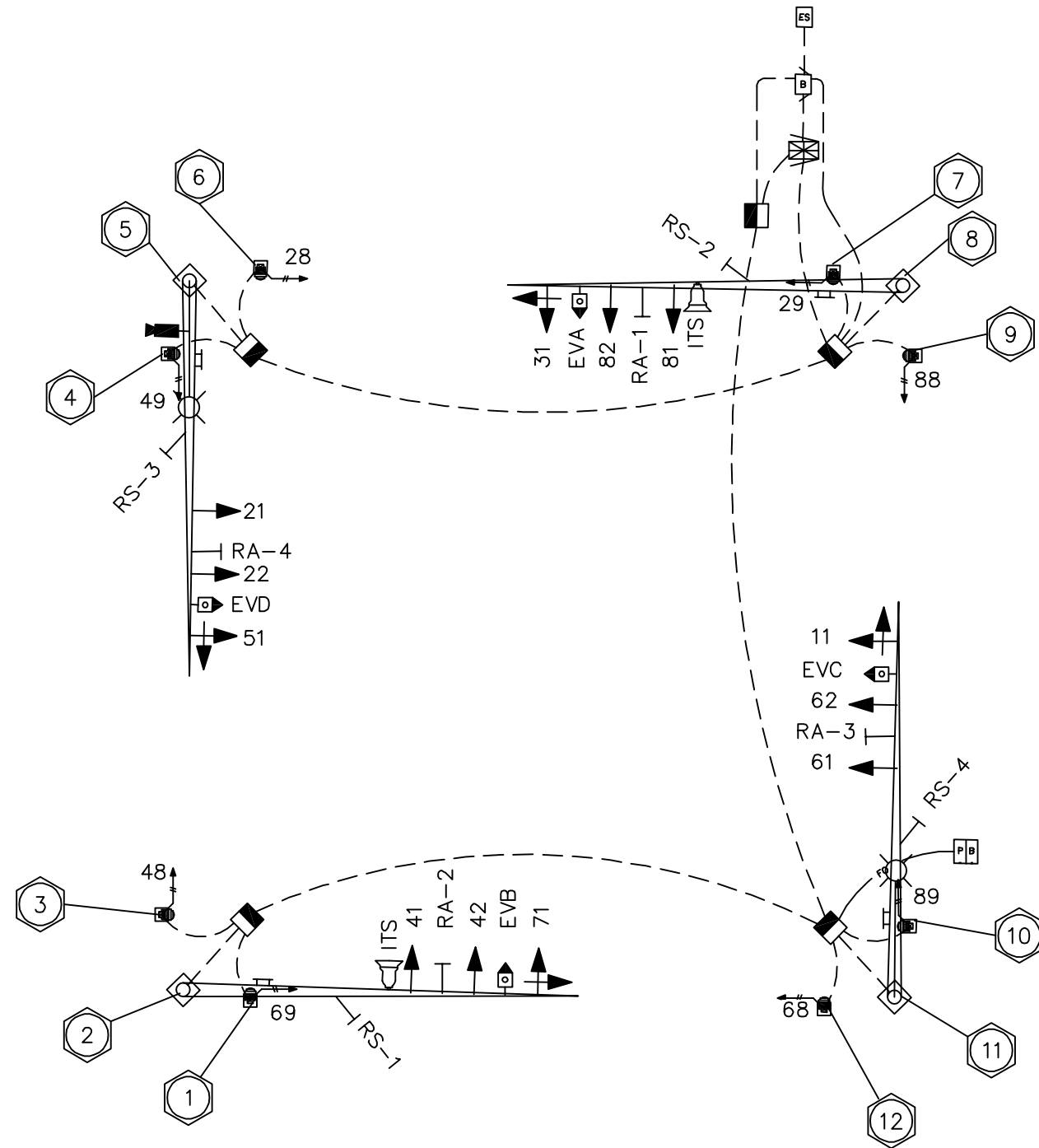
PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS

WALKER	711	721	731	741	751	761	771	781	-----	-----	-----	-----
DON'T WALK (HAND)	712	722	732	742	752	762	772	782	-----	-----	-----	-----
AC-	713	723	733	743	753	763	773	783	-----	-----	-----	-----
DETECTION	714	724	734	744	754	764	774	784	-----	-----	-----	-----
COMMON - DETECTION	715	725	735	745	755	765	775	785	-----	-----	-----	-----

SYSTEM DETECTION LOOPS

#	DIR	LABEL	#	DIR	LABEL	#	DIR	LABEL	#	DIR	LABEL
D1	IN	D1A	D5	IN	D5A	D9	IN	D9A	D13	IN	D13A
	OUT	D1B		OUT	D5B		OUT	D9B		OUT	D13B
D2	IN	D2A	D6	IN	D6A	D10	IN	D10A	D14	IN	D14A
	OUT	D2B		OUT	D6B		OUT	D10B		OUT	D14B
D3	IN	D3A	D7	IN	D7A	D11	IN	D11A	D15	IN	D15A
	OUT	D3B		OUT	D7B		OUT	D11B		OUT	D15B
D4	IN	D4A	D8	IN	D8A	D12	IN	D12A	D16	IN	D16A
	OUT	D4B		OUT	D8B		OUT	D12B		OUT	D16B

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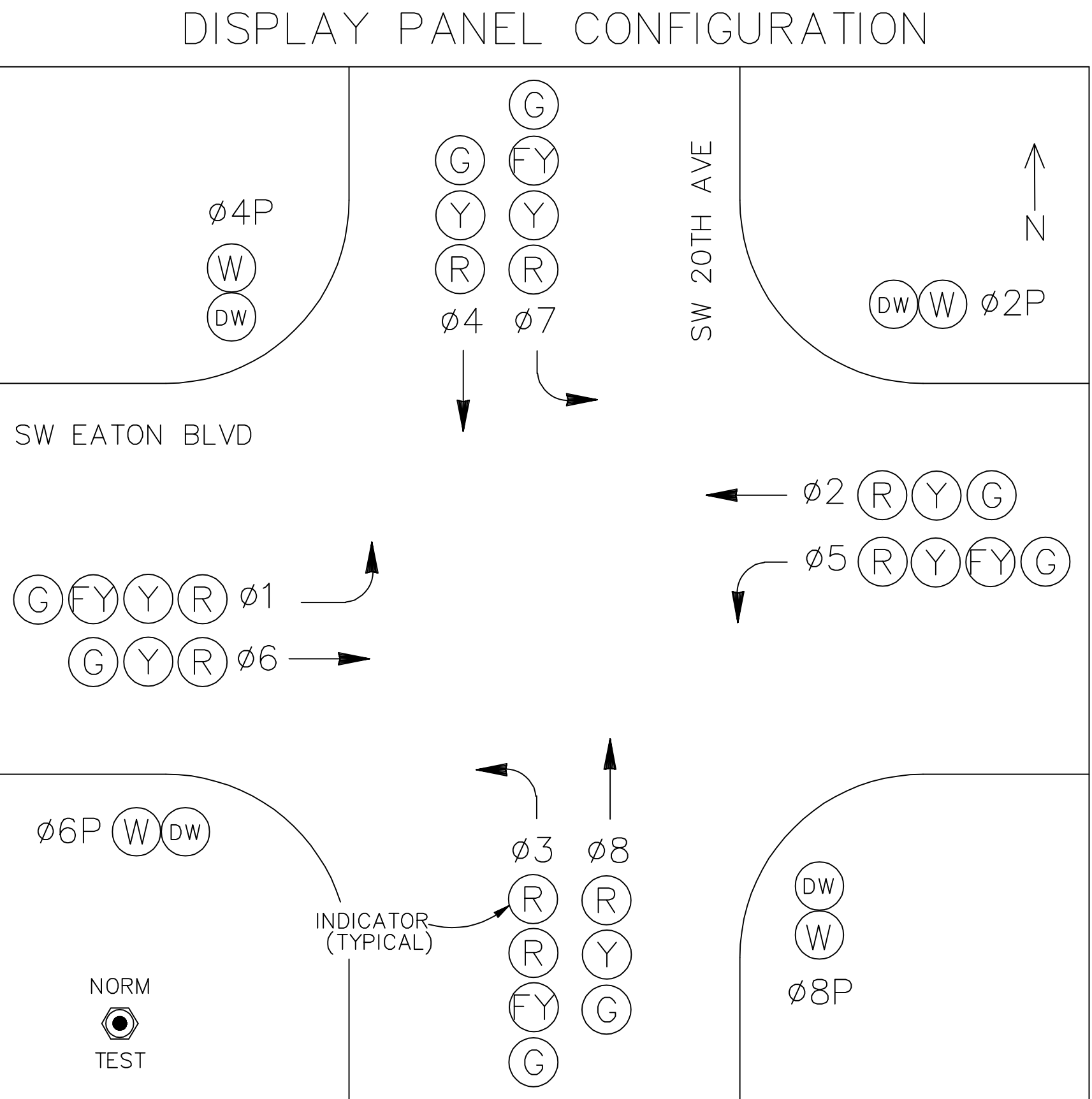
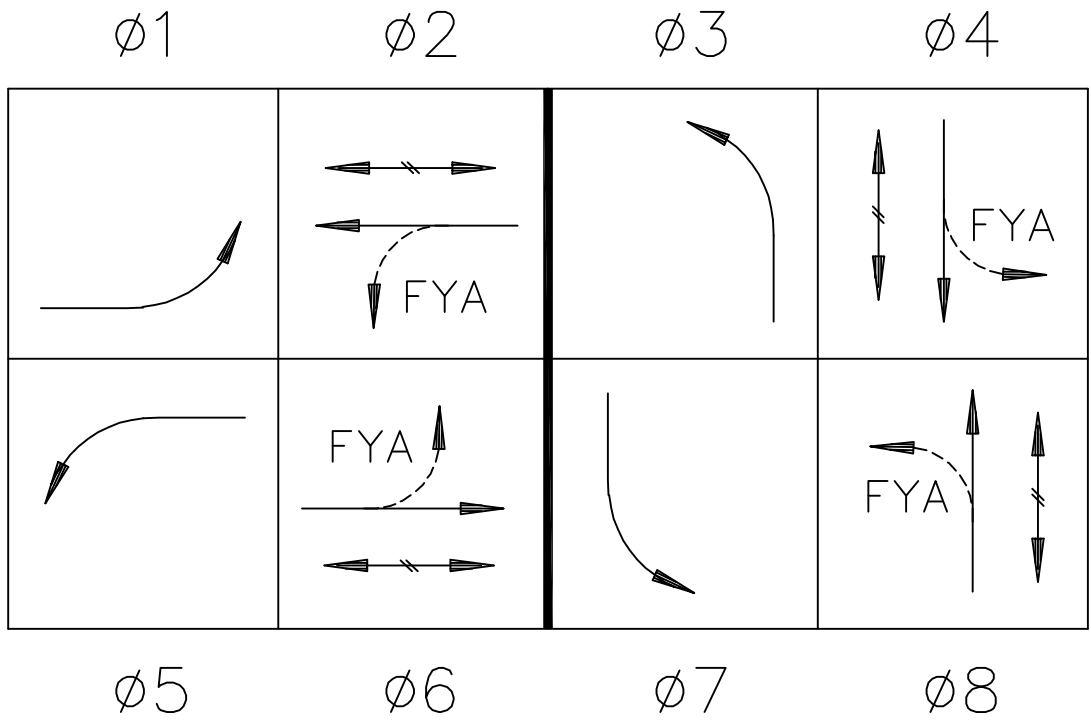
MALFUNCTION MANAGEMENT UNIT COMPATIBILITY TABLE																
CHANNEL	SERVES	COMPATIBLE WITH CHANNEL														
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	PH 1 (EBL)					X					X	X			X	
2	PH 2 (WBT)				X	X			X		X		X		X	
3	PH 3 (NBL)							X				X		X		
4	PH 4 (SBT)						X	X		X		X		X		X
5	PH 5 (WBL)								X						X	
6	PH 6 (EBT)								X		X		X		X	
7	PH 7 (SBL)									X						X
8	PH 8 (NBT)									X		X		X		X
9	PH 2 PED										X					
10	PH 4 PED											X				
11	PH 6 PED															
12	PH 8 PED															
13	PH 2 FYA														X	
14	PH 4 FYA															X
15	PH 6 FYA															
16	PH 8 FYA															

MYCD-9-10-11-12

CVM LATCH	X	MINIMUM FLASH TIME				8	4	2	1
24V LATCH	X	X		X					

MMU SHALL MEET THE REQUIREMENTS OF SECTION 9-29.13(10)A(6).

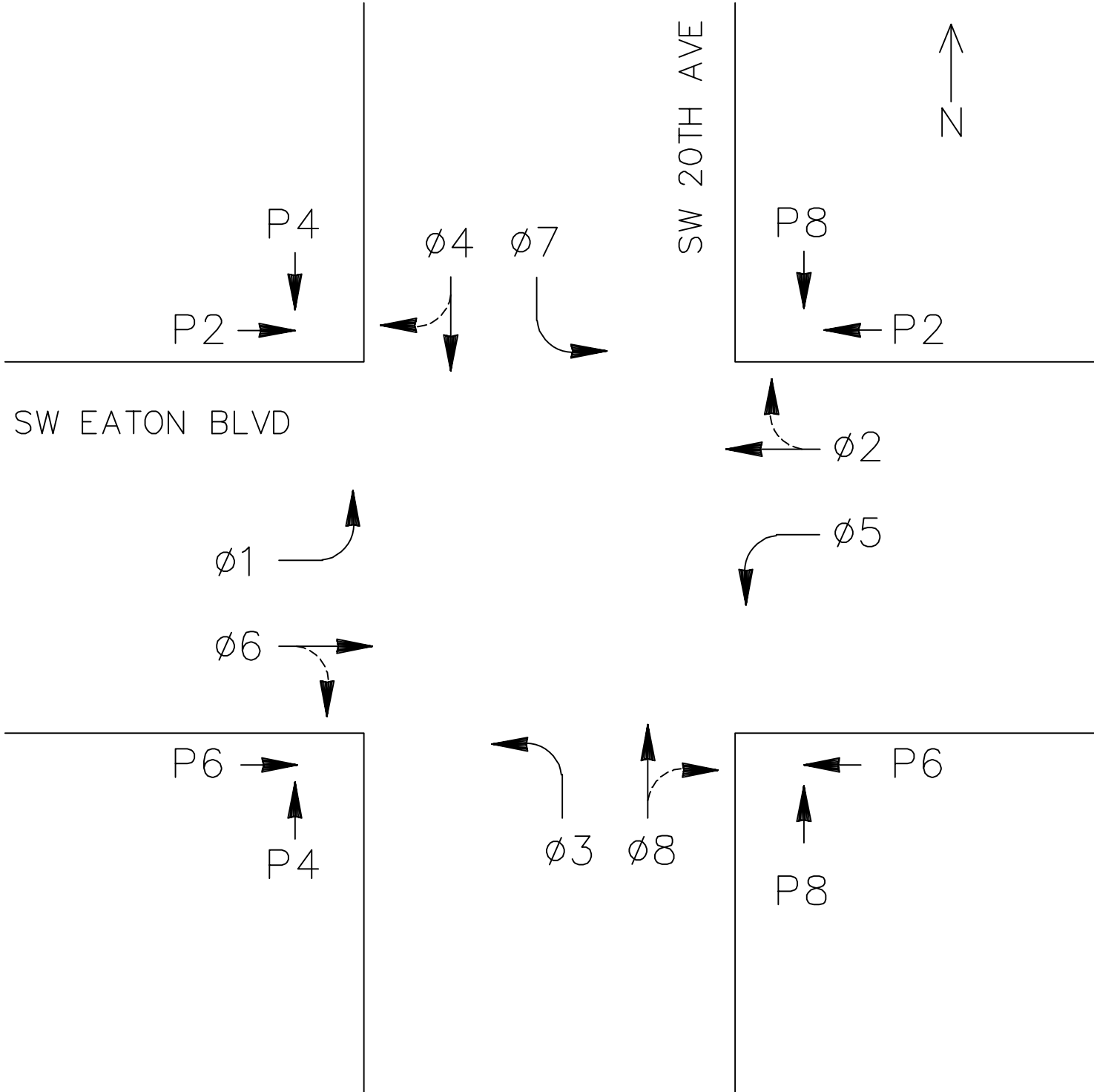
PROPOSED PHASE SEQUENCE DIAGRAM



OUTPUT DISPLAY PANEL SHALL MEET THE REQUIREMENTS OF SECTION 9-29.13(11)(5)

EMERGENCY VEHICLE PREEMPTION ASSIGNMENTS		
EVP CHANNEL	DIRECTION	CALLS PHASES
A	NORTHBOUND	ø3, ø8
B	SOUTHBOUND	ø7, ø4
C	EASTBOUND	ø1, ø6
D	WESTBOUND	ø5, ø2

PHASE DIAGRAM



REVISIONS:	

JOB NO.:	17499
DATE:	12-15-2021
SCALE:	N.T.S.
DESIGNED BY:	GTEng
DRAWN BY:	GTEng CAD
CHECKED BY:	DMB

60% SUBMITTAL

DETECTION INPUT TERMINAL STRIP 1 DESTINED TO DETECTOR RACK 1					
LOOP WIRE				DETECTION CHANNEL	
LOOP	WIRE	COLOR	WIRE NUMBER		
FUTURE SYS1 LOOP	—	B	—	1	
	—	W	—		
FUTURE SYS2 LOOP	—	R	—	2	
	—	G	—		
FUTURE SYS3 LOOP	—	B	—	3	
	—	W	—		
FUTURE SYS4 LOOP	—	R	—	4	
	—	G	—		
FUTURE SYS5 LOOP	—	B	—	5	
	—	W	—		
FUTURE SYS6 LOOP	—	B	—	6	
	—	W	—		
FUTURE SYS7 LOOP	—	B	—	7	
	—	W	—		
FUTURE SYS8 LOOP	—	B	—	8	
	—	W	—		
FUTURE SYS9 LOOP	—	B	—	9	
	—	W	—		
FUTURE SYS10 LOOP	—	B	—	10	
	—	W	—		
FUTURE SYS11 LOOP	—	B	—	11	
	—	W	—		
FUTURE SYS12 LOOP	—	B	—	12	
	—	W	—		
FUTURE SYS13 LOOP	—	B	—	13	
	—	W	—		
FUTURE SYS14 LOOP	—	B	—	14	
	—	W	—		
FUTURE SYS15 LOOP	—	B	—	15	
	—	W	—		
FUTURE SYS16 LOOP	—	B	—	16	
	—	W	—		

DETECTION RACK 1						
BUS INTERFACE UNIT	VEH	VEH	VEH	VEH	PREEMPT	SWITCH
	FUTURE 4-CHANNEL DET CARD	FUTURE 4-CHANNEL DET CARD	FUTURE 4-CHANNEL DET CARD	FUTURE 4-CHANNEL DET CARD	NORTH BOUND	
					SOUTH BOUND	
					EAST BOUND	
					WEST BOUND	

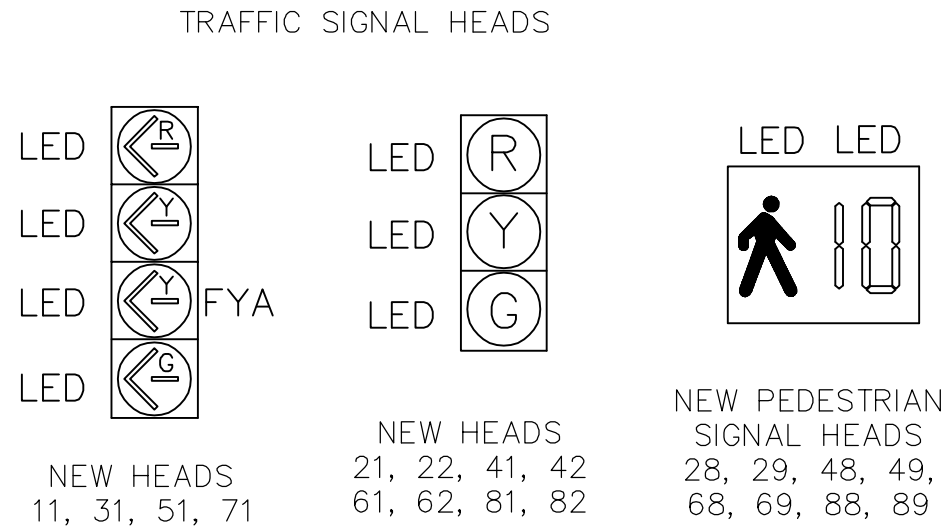
FIELD CONNECTIONS	
RA-1	NBA
RA-2	SBA
RA-3	EBA
RA-4	WBA

FIELD CONNECTIONS	
RS-1	NBM
RS-2	SBM
RS-3	EBM
RS-4	WBM

ADVANCE RADARS
CLICK 650 #1
DEVICE OPERATING AS
DETECTION
(BIU #10)

MATRIX RADARS
CLICK 650 #2
DEVICE OPERATING AS
DETECTION
(BIU #11&12)

LOCATION OF RADAR DETECTORS, DSRC RADIO, AND BLUETOOTH DEVICES ON POLES			
TRAFFIC SIGNAL POLE	RADAR DETECTOR TYPE	DISTANCE FROM CENTER OF POLE TO DETECTOR (FT)	NOTES
2	RA-2 ADVANCE	33	FACING NORTH
	RS-1 STOPBAR	19	FACING SOUTHEAST
	ITS CAMERA	26	
5	RA-4 ADVANCE	34	FACING EAST
	RS-3 STOPBAR	19	FACING SOUTHWEST
	PTZ CAMERA	—	ON LUMINAIRE ARM
8	RA-1 ADVANCE	33	FACING SOUTH
	RS-2 STOPBAR	19	FACING NORTHWEST
	ITS CAMERA	26	
11	RA-3 ADVANCE	33	FACING WEST
	RS-4 STOPBAR	19	FACING NORTHWEST
DETECTOR DISTANCE IS ESTIMATED BASED ON THE POLE BEING INSTALLED AT THE STATION AND OFFSET SHOWN ON THE PLANS. PRIOR TO INSTALLATION THE CONTRACTOR SHALL CONTACTE THE ENGINEER TO MAKE FINAL DETERMINATION FOR INSTALLATION.			



STREET NAME SIGNS AND OTHER SIGNS ATTACHED PER STANDARD PLAN G-30.10-00.
STREET NAME SIGNS ARE 18-IN HIGH AND HAVE 8-IN UPPER CASE AND 6-IN LOWER
CASE SERIES "C" BLACK LETTERS ON TYPE IX WHITE SHEETING MATERIAL. SIGNS
SHALL INCLUDE BORDERS, MARGINS AND CORNER RADII.

STREET NAME SIGN LEGENDS ARE AS FOLLOWS:



NEW SIGNAL HEAD NOTES										
POLE NUMBER	SIGNAL HEAD NUMBER	TYPE	SIZE	CIRCLE / ARROW	INDICATION TYPE	BACK PLATE	MOUNT		NOTES	
							TYPE	LOCATION		
1	69	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING EAST	
	41	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING NORTH	
2	42	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING NORTH	
	71	4-SECTION	12-IN	ARROW	LED	YES	N	MASTARM	FACING NORTH	
3	48	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING NORTH	
4	49	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING SOUTH	
5	21	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING EAST	
	22	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING EAST	
	51	4-SECTION	12-IN	ARROW	LED	YES	N	MASTARM	FACING EAST	
6	28	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING EAST	
7	29	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING WEST	
	81	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING SOUTH	
8	82	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING SOUTH	
	31	4-SECTION	12-IN	ARROW	LED	YES	N	MASTARM	FACING SOUTH	
9	88	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING SOUTH	
10	89	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING NORTH	
11	61	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING WEST	
	62	3-SECTION	12-IN	CIRCLE	LED	YES	N	MASTARM	FACING WEST	
	11	4-SECTION	12-IN	ARROW	LED	YES	N	MASTARM	FACING WEST	
12	68	PEDESTRIAN	SEE BELOW	PED	LED	N/A	D	POLE	FACING WEST	

SIGNAL HEAD NOTES:

PEDESTRIAN HEADS SHALL BE PER SECTION 9-29.20. NEW PEDESTRIAN SIGNAL HEADS ARE 16-IN (H) X 19-1/2-IN (W) X 10-1/2-IN (D) WITH TYPE E MOUNTS, Z-CRATE VISORS AND HAND WALKER DISPLAY WITH ORANGE LED SOLID FILLED HAND AND WHITE LED SOLID FILLED WALKER, AND NUMERICAL COUNTDOWN TIMER DISPLAY.

VEHICLE HEADS SHALL BE 12 INCH HEADS WITH BACKPLATES WITH 2 INCH RETRO-REFLECTIVE DIAMOND GRADE TAPE (INSTALLED BY THE MANUFACTURER) AND SHALL MEET THE REQUIREMENTS OF SECTION 9-29.16. VEHICLE HEADS MOUNTED ON MAST ARMS SHALL HAVE A TYPE "N" MOUNT.

MOUNT TYPE NOMENCLATURE SHALL BE PER WSDOT STANDARD PLAN J-75.10-00

TYPE "N" MOUNTS SHALL BE MOUNTED INCLUDING TETHER LINE, AND WIRE ROPE (CABLE MOUNT) NOT METAL BAND STYLE MOUNTING. THE CABLES SHALL BE PROVIDED WITH SUFFICIENT LENGTH TO INSTALL THE MOUNT. TYPE "N" MOUNTS SHALL BE PROVIDED TO ALLOW THE SIGNAL HEAD TO MOVE VERTICALLY, ROTATE AND SWIVEL.

REVISIONS:

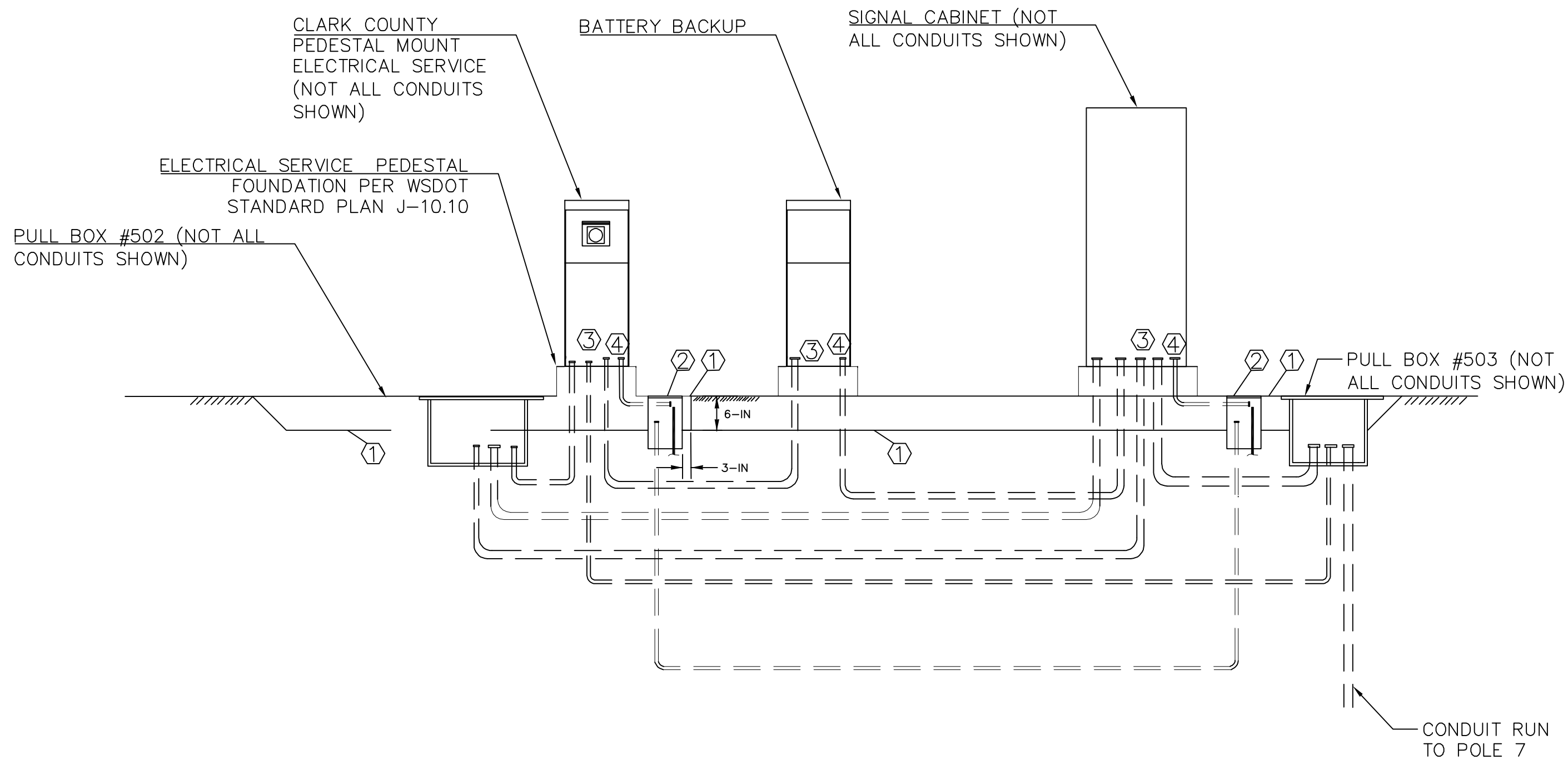
JOB NO.: 17499
DATE: 12-15-2021
SCALE: N.T.S.
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

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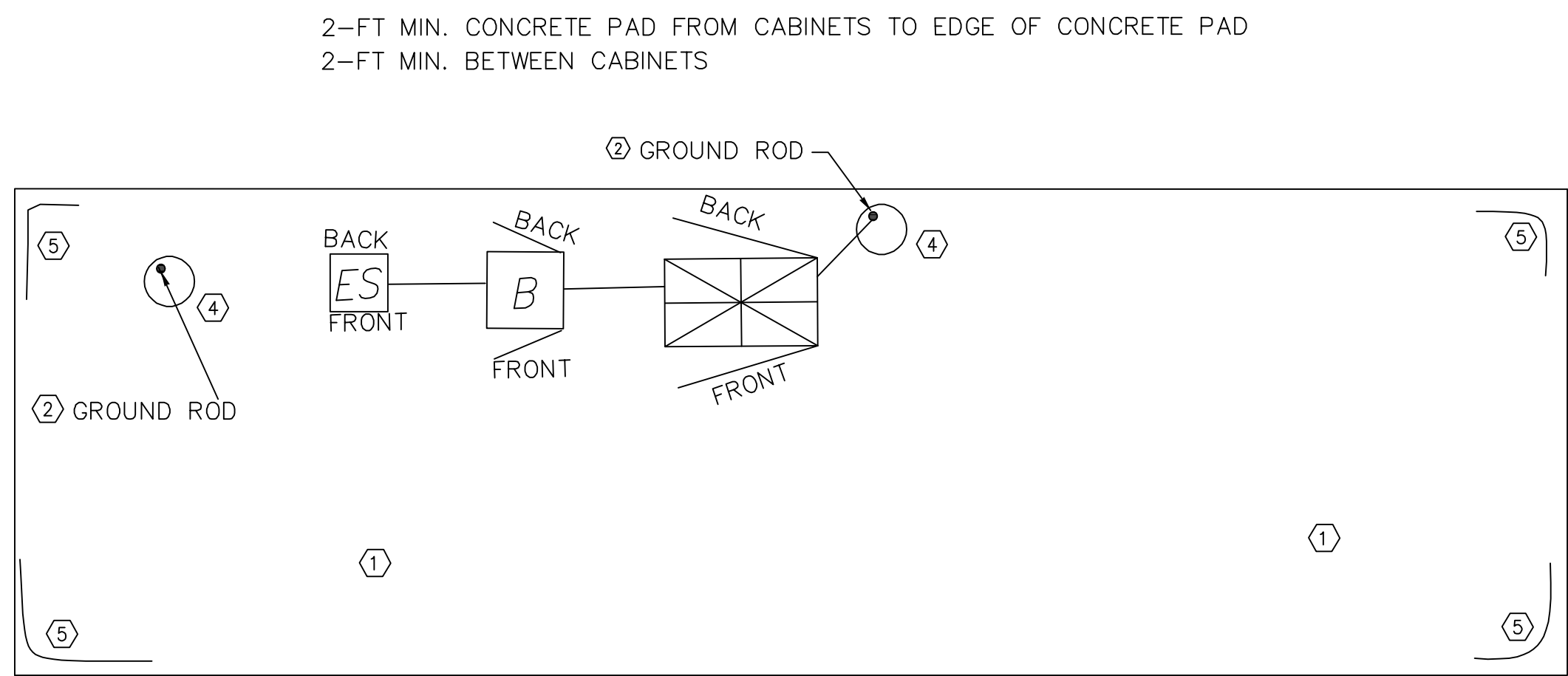
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NO. X OF #

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GENERAL CABINET LAYOUT



PLAN VIEW OF CABINET PAD (NTS)

SEE WSDOT STANDARD PLAN J-10.10 "CABINET ORIENTATION, CONDUIT LAYOUT AND FOUNDATION DETAILS" FOR DETAILS NOT SHOWN

- ① INSTALL 6-IN THICK CONCRETE PAD, ENTIRE WIDTH OF PAD, BETWEEN THE FACE OF CABINET (FRONT SIDE) AND BACK OF WALK, OR IF NO ADJACENT WALK, 24-IN MINIMUM AT BACK OF CABINET.
- ② DRIVE GROUND RODS BEFORE PLACING CONCRETE. MOVE ROD(S) AND DRAIN TILE(S) WITH COVER(S) AS REQUIRED TO ACHIEVE FULL GROUND PENETRATION. MAINTAIN A 6-FT MINIMUM CLEARANCE BETWEEN GROUND RODS AS DETAILED ON WSDOT STANDARD PLAN J-60.05 "TYPICAL GROUNDING DETAILS".
- ③ ALL METAL CONDUITS PENETRATING CABINET SHALL BE TERMINATED WITH GROUNDING END BELL BUSHING AND BONDED TO THE CABINET GROUNDING BUS. THE END BELL BUSHING ON PVC CONDUIT SHALL EXTEND 2 INCHES MINIMUM AND 3 INCHES MAX ABOVE THE COUPLING.
- ④ CONDUITS FOR SERVICE GROUNDING ELECTRODES - PER WSDOT STANDARD PLAN J-60.05, "TYPICAL GROUNDING DETAILS.
- ⑤ ALL REINFORCING STEEL SHALL BE EMBEDDED 2 INCHES BELOW SURFACE OF CONCRETE. USE #4 HOOPS AND REBAR FOR CABINET FOOTING PER WSDOT STANDARD PLAN J-10.10 "CABINET ORIENTATION, CONDUIT LAYOUT AND FOUNDATION DETAILS"

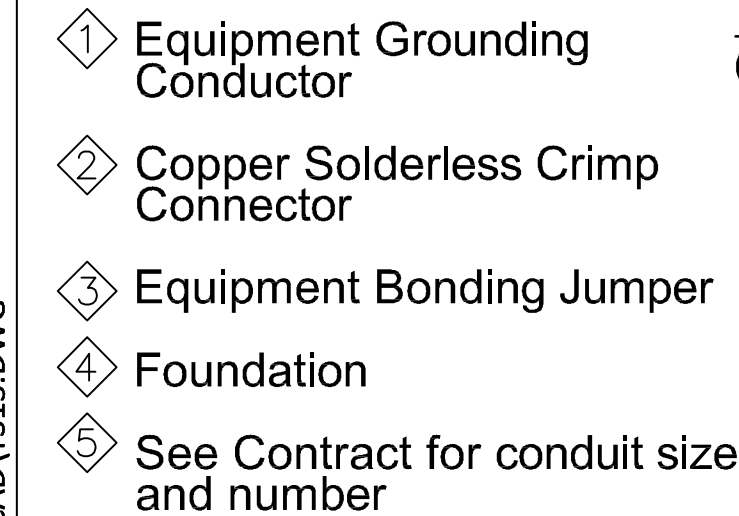
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TS12

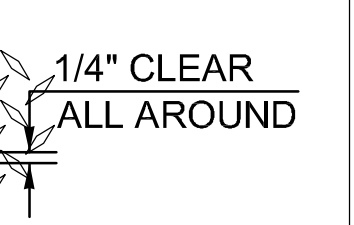
NO. X OF #



PLAN VIEW



1. All box dimensions are approximate. Exact configurations vary among manufacturers.

- 
 2. Minimum lid thicknesses are shown. Junction Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and lip cover plate and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use path. The non-slip lid shall be identified with permanent markings on the underside, indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The permanent marking shall be 1/8" (in) line thickness formed with a mild steel weld bead and shall be placed prior to hot-dip galvanizing.
 3. Lid support members shall be 3/16" (in) min. thick steel C, L, or T shape, welded to the frame. Exact configurations vary among manufacturers.
 4. A 1/4-20 NC \times 3/4" (in) S. S. ground stud shall be welded to the bottom of each lid; include (2) S. S. nuts and (2) S. S. flat washers.
 5. The hinges shall allow the lids to open 180°.
 6. Bolts and nuts shall be liberally coated with anti-seize compound.
 7. Connect Equipment Bonding Jumper to ground stud on lid. As an alternative to the ground stud connection, the Equipment Bonding Jumper shall be attached to the front face of the hinge pocket with a 5/16-20 NC \times 3/4" (in) S. S. bolt, (2) each S. S. nuts, and (2) each S. S. flat washers. Equipment Bonding Jumper shall be #8 AWG min. \times 4' (ft) of tinned braided copper.
 8. The System Identification letters shall be 1/8" (in) line thickness formed by a mild steel weld bead. See Cover Marking detail. Grind off diamond pattern before forming letters. See **Standard Specification 9-29.2(4)** for details.
 9. See the **Standard Specifications** for alternative reinforcement and class of concrete.
 10. See **Standard Plan J-40.10** for Welded Wire Fabric and Headed Anchor Shear Stud attachment details.
 11. Capacity \sim conduit diameter = 24" (in)
 12. Lid Bolt Down Attachment Tab provides a method of retrofitting by using a mechanical process in lieu of welding. Attachment Tab shown depicts a typical component arrangement; actual configurations of assembly will vary among manufacturers. See approved manufacturers' shop drawing for specifics.
 13. Unless otherwise noted in the plans or approved by the Engineer, Junction Boxes, Cable Vaults and Pull Boxes shall not be placed within the sidewalk, walkway, shared use path, traveled way or paved shoulders. All Junction Boxes, Cable Vaults, and Pull Boxes placed within the traveled way or paved shoulders shall be Heavy-Duty.
 14. Distance between the top of the conduit and the bottom of the Junction Box lid shall be 6" (in) min. to 8" (in) max. for final grade of new construction only. See **Standard Specification 8-20.3(5)**. Where adjustments are to be made to existing Junction Boxes, or for interim construction stages during the contract, the limits shall be from 6" (in) min. to 10" (in) max. See **Standard Specification 8-20.3(6)**.

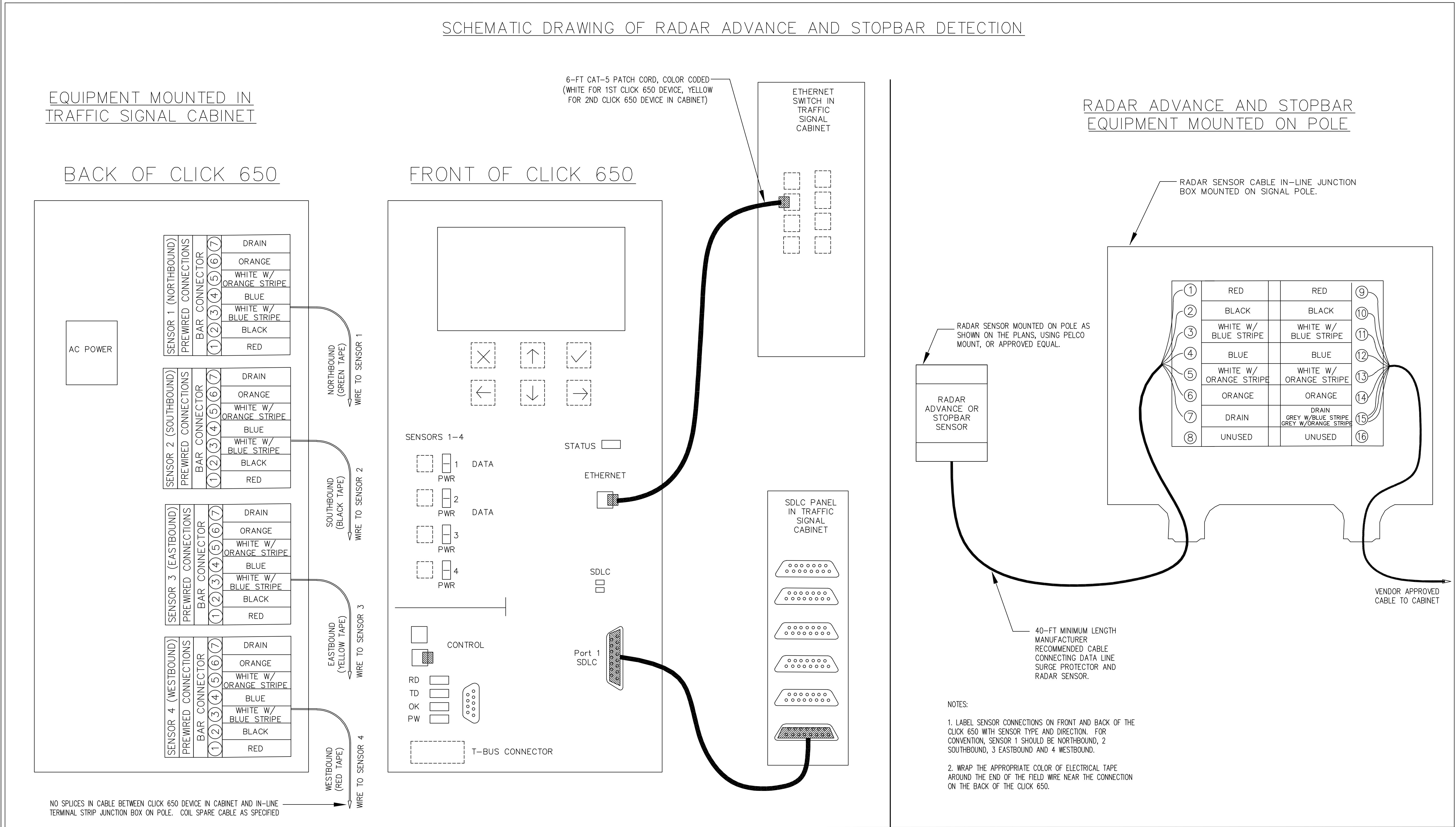


CONDUITS NOT SHOWN

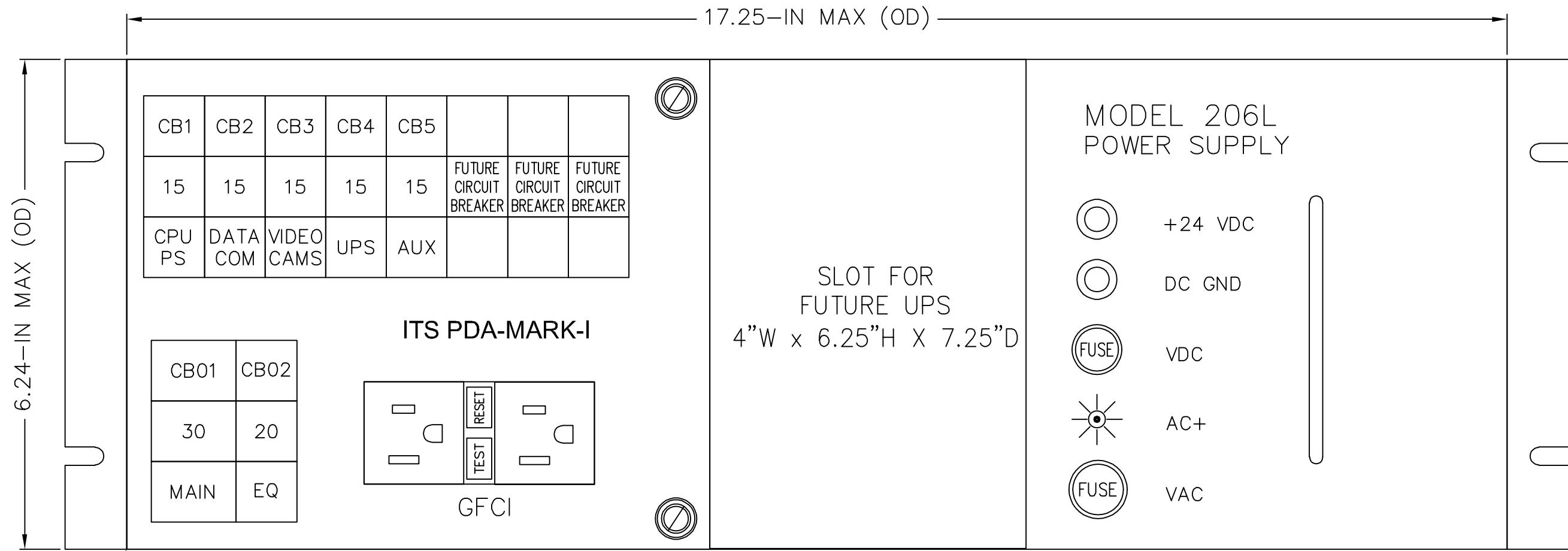
LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 8

SHEET 1 OF 2 SHEETS

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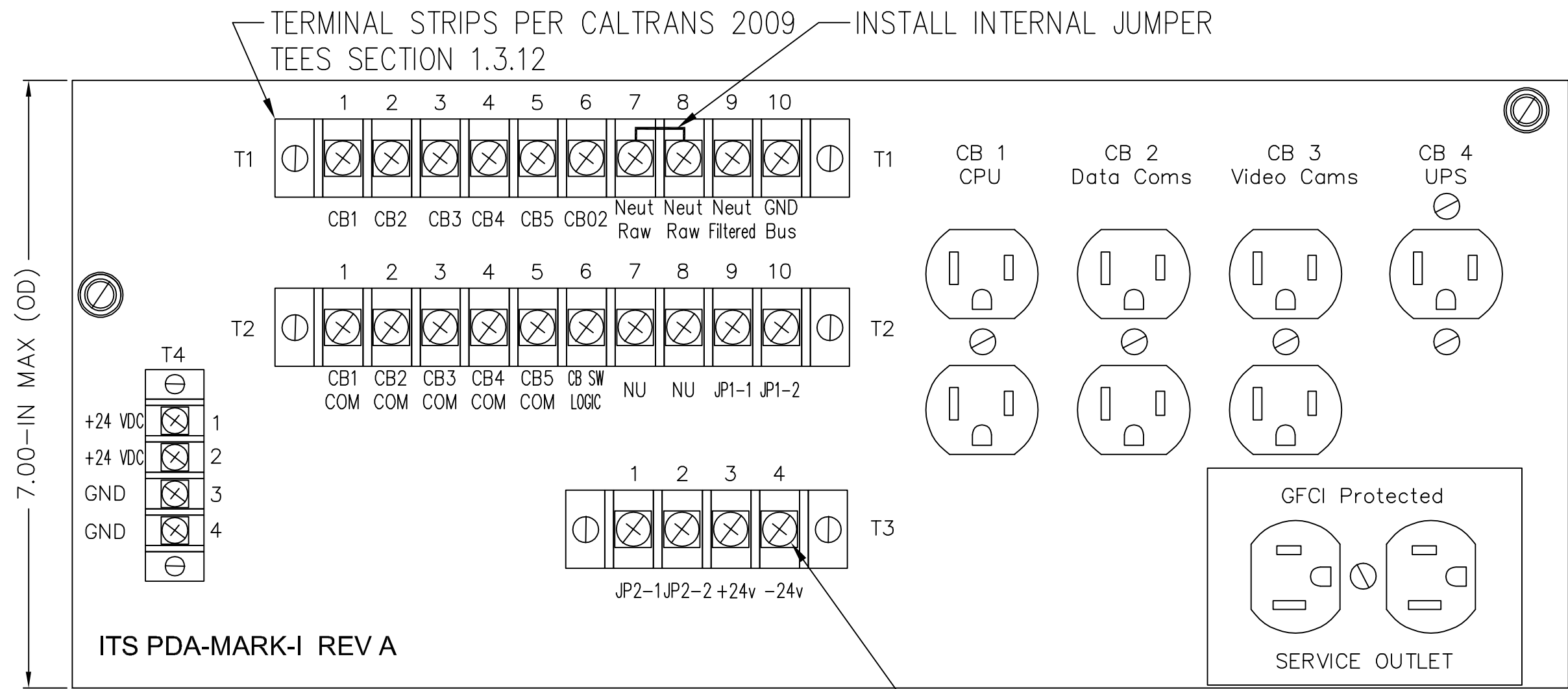
ITS-POWER DISTRIBUTION ASSEMBLY - FRONT VIEW



HINGE AT TOP AND BOTTOM. ALL WIRING SHALL HAVE SUFFICIENT SLACK TO ALLOW DOOR TO FULLY OPEN

DEPTH OF ITS-PDA - 10.50-IN MAX
CIRCUIT BREAKERS PER 2009 CALTRANS TEES SECTION 1.3.9

ITS-POWER DISTRIBUTION ASSEMBLY - REAR VIEW



HINGE AT BOTTOM, BOTH SIDES. ALL WIRING SHALL HAVE SUFFICIENT SLACK TO ALLOW DOOR TO FULLY OPEN

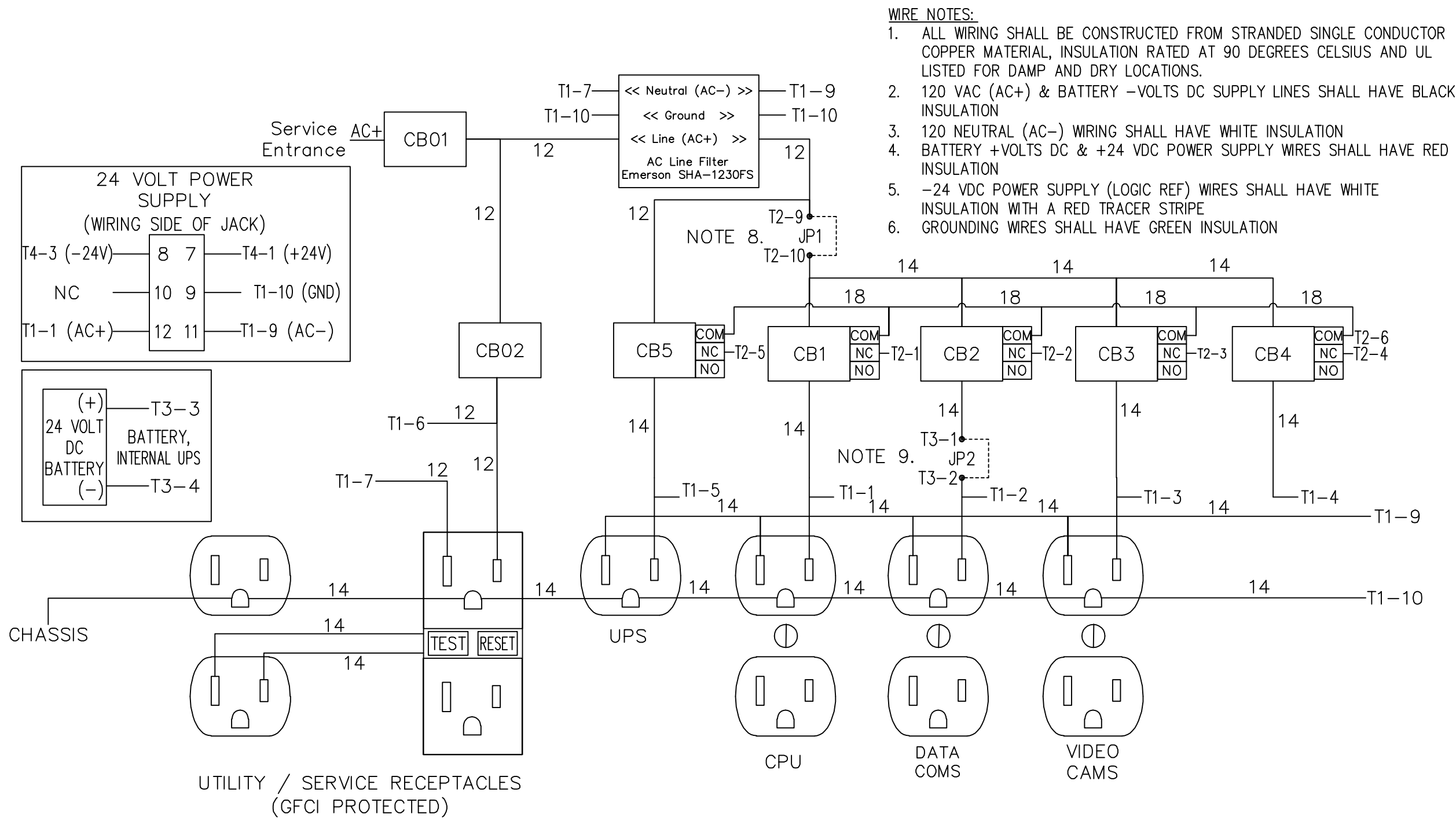
ALL SCREWS ON TERMINAL STRIPS SHALL BE PAN HEAD STANDARD / PHILLIPS (COMBO) 10-32 MACHINE SCREWS WITH 18-8 STAINLESS STEEL (TYPE 316 STAINLESS STEEL IS ACCEPTABLE AS ALTERNATE)

RECEPTACLE COLOR:

CB 1 - CPU - BLACK
CB 2 - DATA COMS - GREY
CB 3 - VIDEO CAMS - BLUE
CB 4 - UPS - RED
GFCI - WHITE

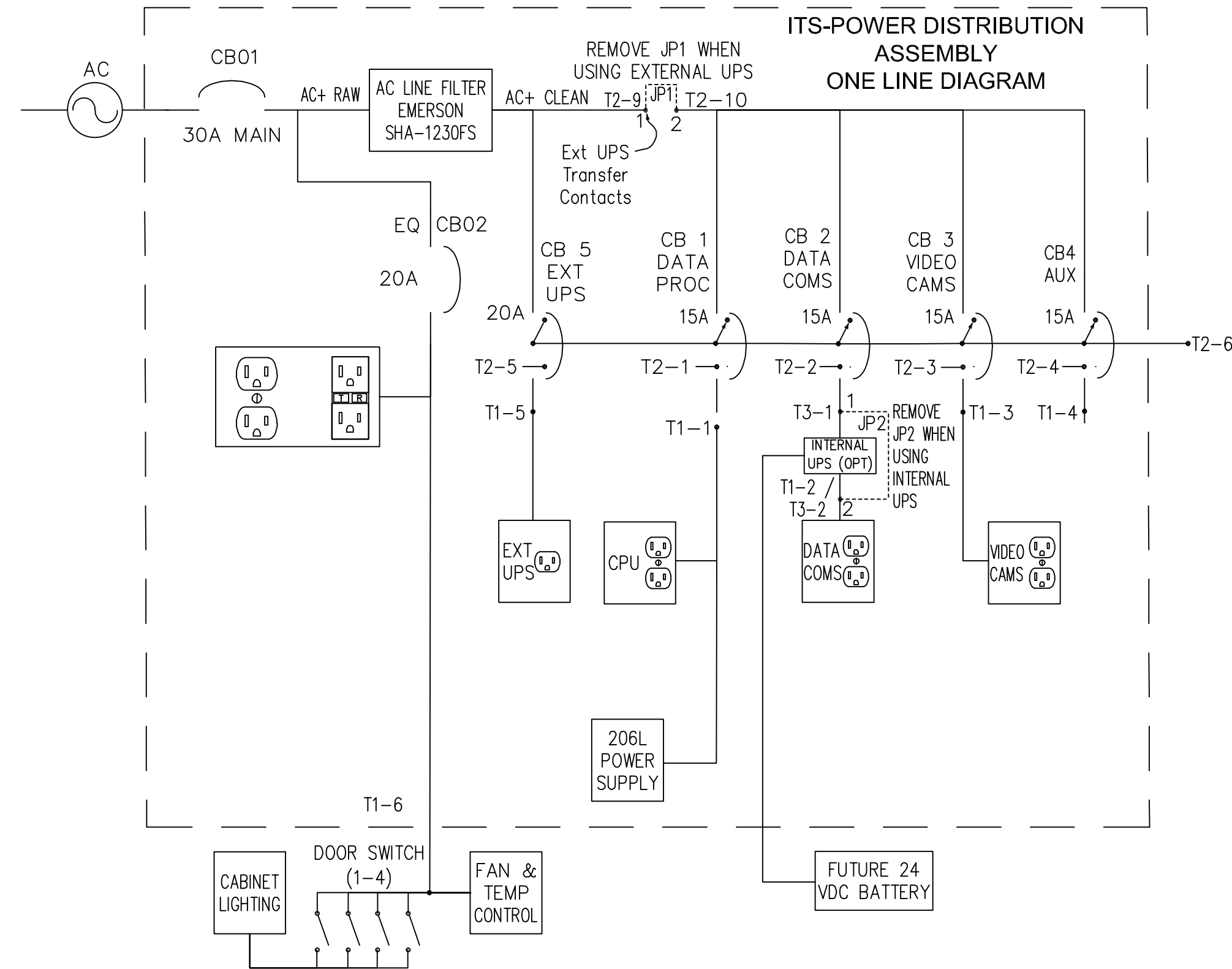
NOTES:

7. CIRCUIT BREAKER AUXILIARY SWITCH-- WHEN CIRCUIT BREAKER IS PLACED IN THE 'ON' POSITION, THE NORMALLY OPEN (NO) TERMINAL SHALL BE CONNECTED TO THE COMMON TERMINAL. WHEN PLACED IN THE 'OFF' POSITION, THE NORMALLY CLOSED (NC) TERMINAL SHALL BE CONNECTED TO THE COMMON TERMINAL.
8. JP1 -- INSTALL JUMPER WHEN EXTERNAL UPS / BBS IS NOT INSTALLED. REMOVE JUMPER AND CONNECT EXTERNAL UPS / BBS TO T2-10.
9. JP2 -- INSTALL JUMPER WHEN INTERNAL UPS / BBS IS NOT INSTALLED. REMOVE JUMPER AND CONNECT INTERNAL UPS / BBS TO T3-2.



WIRE NOTES:

1. ALL WIRING SHALL BE CONSTRUCTED FROM STRANDED SINGLE CONDUCTOR COPPER MATERIAL, INSULATION RATED AT 90 DEGREES CELSIUS AND UL LISTED FOR DAMP AND DRY LOCATIONS.
2. 120 VAC (AC+) & BATTERY -VOLTS DC SUPPLY LINES SHALL HAVE BLACK INSULATION
3. 120 NEUTRAL (AC-) WIRING SHALL HAVE WHITE INSULATION
4. BATTERY +VOLTS DC & +24 VDC POWER SUPPLY WIRES SHALL HAVE RED INSULATION
5. -24 VDC POWER SUPPLY (LOGIC REF) WIRES SHALL HAVE WHITE INSULATION WITH A RED TRACER STRIPE
6. GROUNDING WIRES SHALL HAVE GREEN INSULATION



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THIS DRAWING SHOWS THE GENERAL CABINET LAYOUT FOR CLARK COUNTY NEMA TS2 TYPE 1 "STRETCH P" TYPE CABINET.

SOME COMPONENTS ARE SHOWN IN THE DRAWING THAT MAY NOT BE SPECIFICALLY REQUIRED BY THIS PARTICULAR PROJECT FOR EACH CABINET.

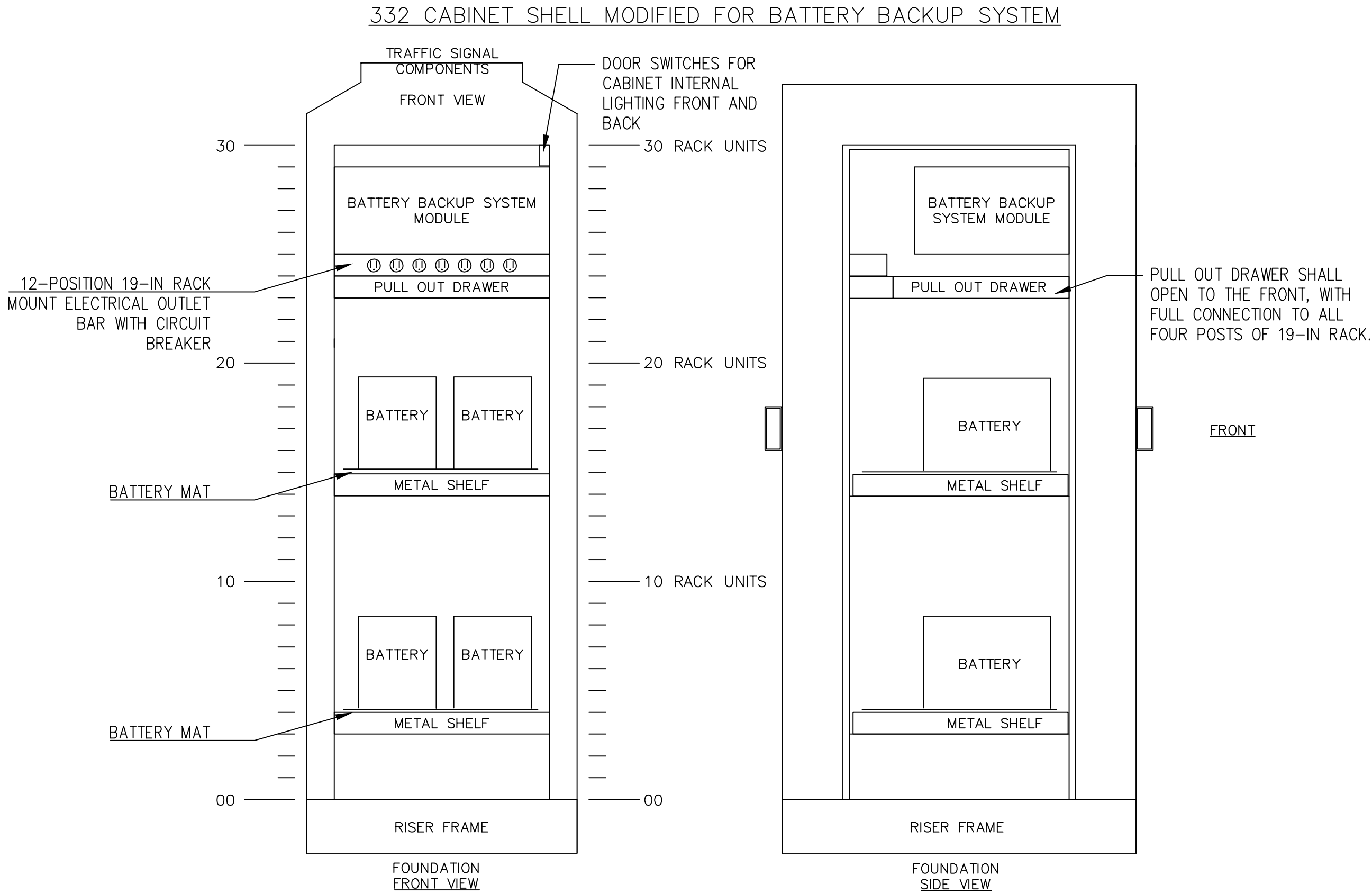
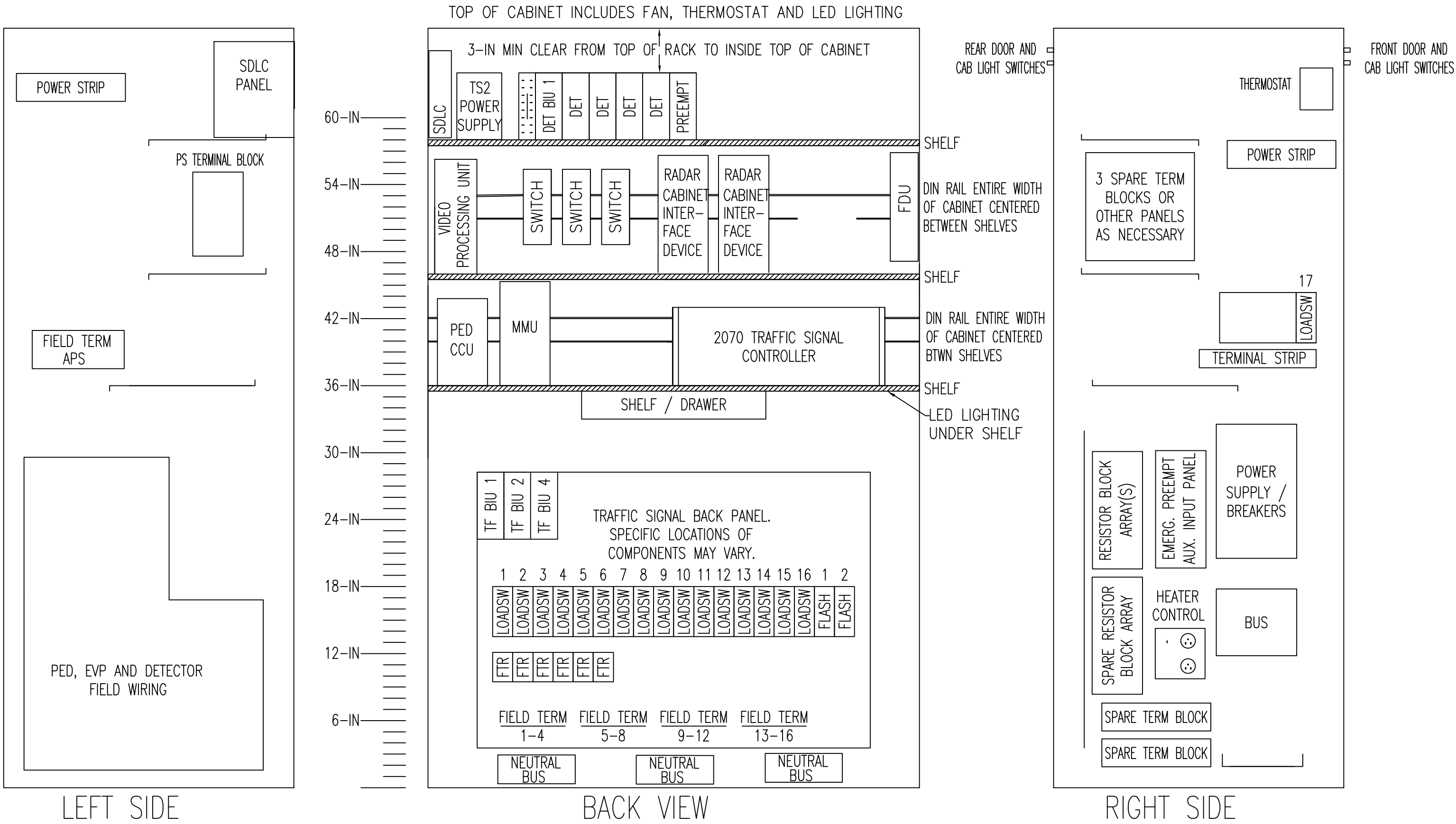
SECTION 8-20 AND 9-29 OF THE SPECIAL PROVISIONS HAVE THE SPECIFIC EQUIPMENT THAT IS TO BE PROVIDED FOR ALL CABINETS TO BE DELIVERED FOR THIS PROJECT.

THE CABINET VENDOR MAY PROPOSE ALTERNATE CONFIGURATIONS DEPENDING ON THE SPECIFIC REQUIREMENTS OF THE PROJECT.

THE VIDEO DETECTION FIELD WIRING PANEL SHALL BE MOUNTED SUCH THAT ALL PLUGS AND CONNECTIONS CAN BE ACCESSED WITHOUT CONFLICTING WITH THE LOAD SWITCHES, BIU'S OR OTHER EQUIPMENT IN THE CABINET.

ALL EQUIPMENT IN THE CABINET SHALL BE CONNECTED TO A SHELF, SIDE-WALL, OR DIN RAIL, EXCEPT THE ON-STREET MASTER, CONTROLLER, MMU AND NEMA TS2 POWER SUPPLY.

THE 2-POSITION CARD CAGE FOR ALL CABINETS SHALL BE DELIVERED WITH GPS TIME SOURCE AND THE VIDEO DETECTION CARD, EVEN IF THE CABINET IS NOT TO BE DELIVERED WITH EITHER OF THESE PLUGABLE COMPONENTS. THE CARD CAGE SHALL BE BOLTED TO THE SHELF.

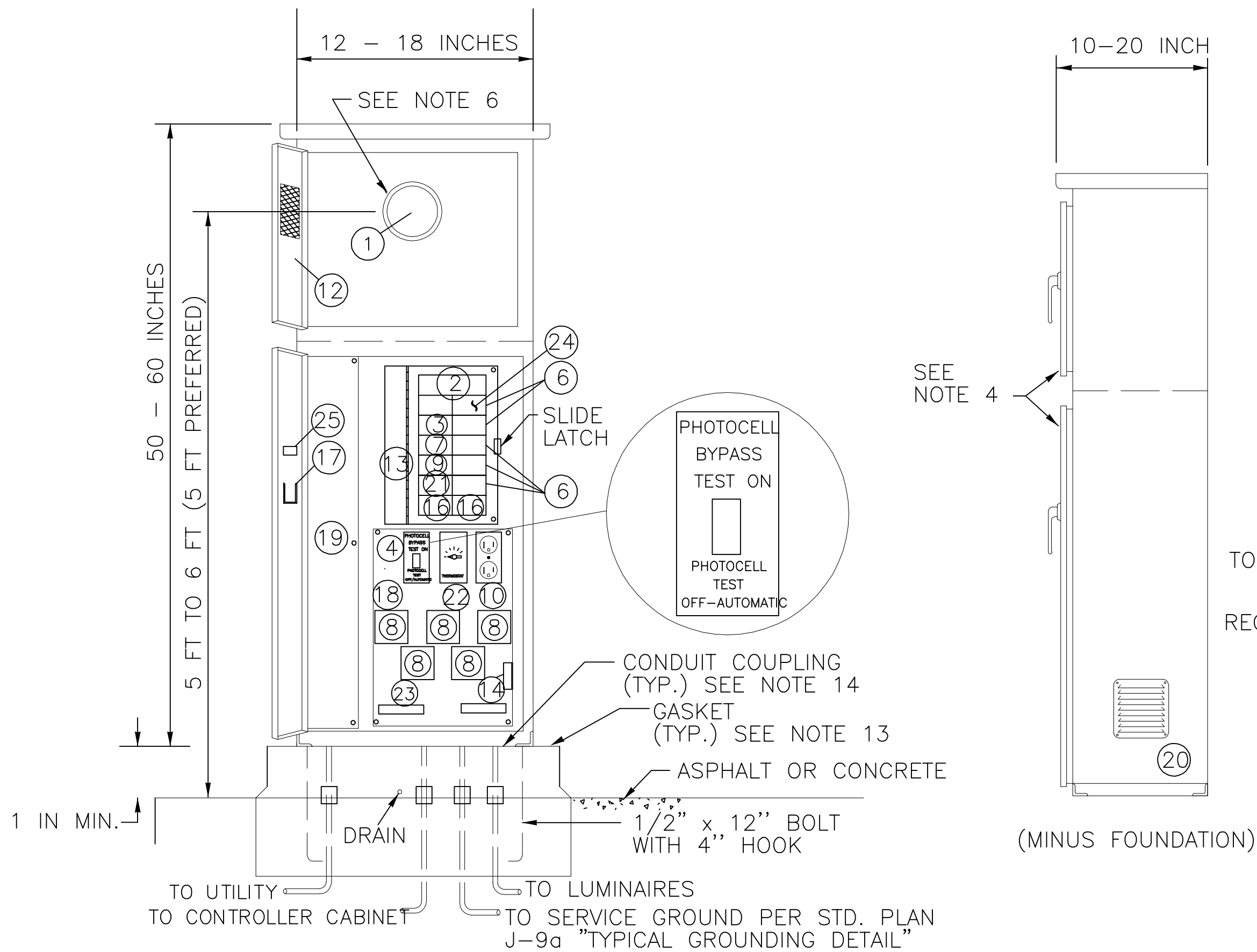


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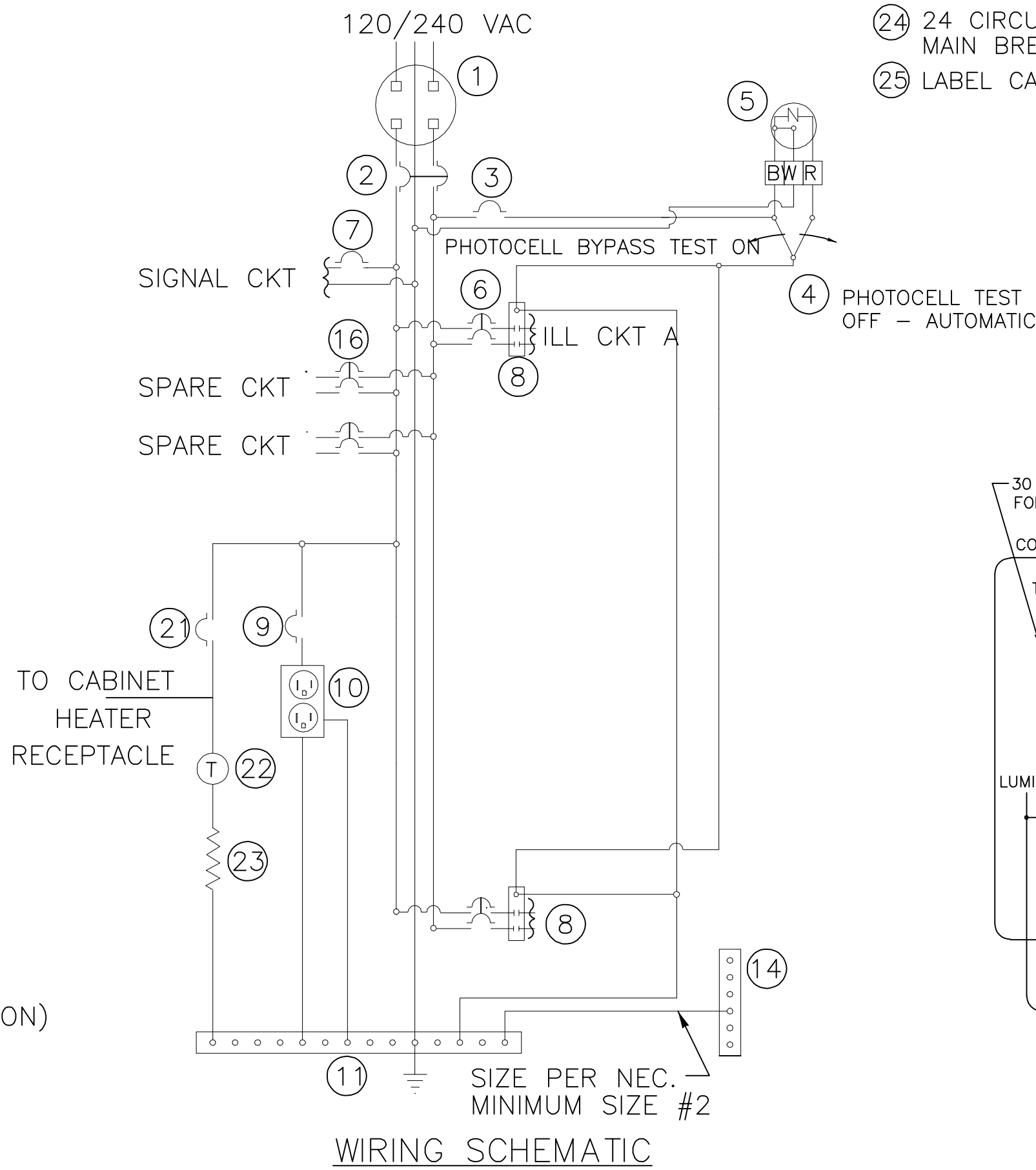
100 AMP TYPE 120/240 1Ø SERVICE CABINET

NOTES:

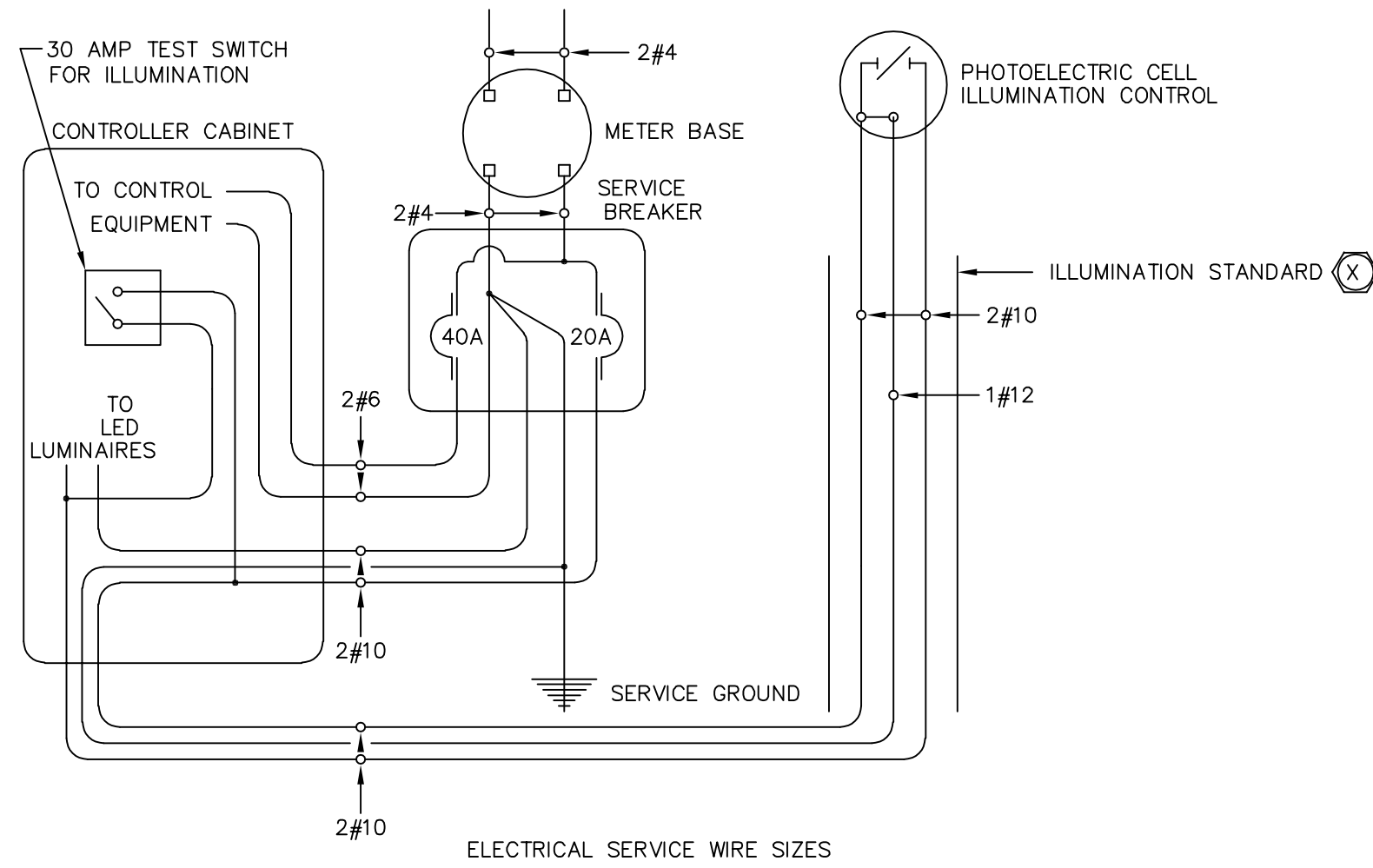
1. SEE STD. SPECIFICATION 9-29.24, SERVICE CABINETS. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR APPROVAL OF MATERIALS THAT DESCRIBES THE SERVICE CABINET PROPOSED FOR USE.
2. HINGES SHALL HAVE STAINLESS STEEL OR BRASS PINS.
3. CABINETS SHALL BE RATED NEMA 3R AND SHALL INCLUDE TWO RAIN TIGHT VENTS.
4. METERING EQUIPMENT DOOR SHALL BE PAD LOCKABLE. EACH DOOR SHALL BE GASKETED. INSTALL FIGURE 8 CORE LOCK ON BOTTOM DOOR COMPATIBLE WITH COUNTY LOCKS.
5. THE FOLLOWING EQUIPMENT WITHIN THE SERVICE ENCLOSURE SHALL HAVE AN APPROPRIATELY ENGRAVED PHENOLIC NAME PLATE ATTACHED WITH SCREWS OR RIVETS:
KEY NUMBERS 2, 3, 4, 6, 7, 8, 9, 16 AND 21.
KEY NUMBER 4 NAME PLATE SHALL READ:
"PHOTOCELL BYPASS TEST ON" AND "PHOTOCELL TEST OFF- AUTOMATIC". SEE SERVICE CABINET DETAIL.
6. METERING ARRANGEMENTS VARY WITH DIFFERENT SERVING UTILITIES. THE UTILITY MAY REQUIRE METER BASE MOUNTING IN THE ENCLOSURE, ON THE SIDE OR ON THE BACK OF THE ENCLOSURE. THE UTILITY MAY SPECIFY A MINIMUM DIMENSION BETWEEN THE DOOR AND THE FRONT OF THE SAFETY SOCKET. CLARK PUBLIC UTILITIES REQUIRES THAT THE CENTER OF THE METER SOCKET BE 5-6 FEET ABOVE FINISHED GRADE (5 FT PREFERRED).
THE CONTRACTOR SHALL VERIFY THE SERVING UTILITY'S REQUIREMENTS PRIOR TO FABRICATION OF AND INSTALLING THE SERVICE EQUIPMENT.



8. ALL BUSSWORK SHALL BE HIGH GRADE COPPER AND SHALL EQUAL OR EXCEED THE MAIN BREAKER RATING. ALL BREAKERS SHALL BOLT ONTO THE BUSSWORK. JUMPERING OF BREAKERS SHALL NOT BE ALLOWED. BUSSWORK SHALL ACCOMMODATE ALL FUTURE EQUIPMENT AS SHOWN IN THE BREAKER SCHEDULE.
9. ALL INTERNAL WIRE RUNS SHALL BE IDENTIFIED WITH "TO - FROM" CODED TAGS LABELED WITH THE CODE LETTERS AND/OR NUMBERS SHOWN ON THE SCHEDULES. APPROVED PVC OR POLYOLEFIN WIRE MARKING SLEEVES SHALL BE USED.
10. A 1% TOLERANCE IS ALLOWED FOR ALL DIMENSIONS.
12. INSTALL CONDUIT COUPLINGS ON ALL CONDUITS. PLACE COUPLINGS FLUSH WITH TOP OF CONCRETE FOUNDATION.
13. SEAL CABINET TO FOUNDATION WITH A 1/2" BEAD OF SILICONE. APPLY SILICONE TO DRY SURFACE ONLY. INSTALL GASKET (30 LB BUILDING PAPER) AND SEAL WITH A NON-HARDENING WATER-TIGHT SEALANT.
14. THE METER BASE PORTION OF THIS SERVICE SHALL MEET METERING PORTION OF EUSERC DRAWING 309 REQUIREMENTS.
15. UNUSED CIRCUIT BREAKER LOCATIONS SHALL BE COVERED.



1. METER BASE PER SERVING UTILITY REQUIREMENTS. AS A MINIMUM, THE METER BASE SHALL BE SAFETY SOCKET BOX WITH FACTORY INSTALLED TEST BYPASS FACILITY THAT MEETS THE REQUIREMENTS OF EUSERC DRAWING 304.
2. 100 AMP MAIN BREAKER
3. PHOTOCELL BREAKER (SPST 15 AMP - 120/240 VOLT)
4. PHOTOCELL TEST SWITCH (SPDT SNAP ACTION, POSITIVE CLOSE, 15 AMP - 120/277 VOLT "T" RATED)
5. PHOTOELECTRIC CONTROL, MOUNTED ON SIGNAL POLE NEAR CABINET
6. ILLUMINATION CIRCUIT BREAKER (20 AMP)
7. SIGNAL CIRCUIT BREAKER (50 AMP)
8. CONTACTOR
9. RECEPTACLE BREAKER (SPST 20 AMP - 120/240 VOLT)
10. RECEPTACLE, GROUNDED (GFCI 20 AMP - 125 VOLT)
11. NEUTRAL BUSS, 14 LUG COPPER
12. HINGED FRONT FACING DOOR WITH 4" x 4" MIN. POLISHED WIRE GLASS WINDOW.
13. HINGED DEAD FRONT WITH 1/4 TURN FASTENERS OR SLIDE LATCH.
14. CABINET MAIN BONDING JUMPER BUSS SHALL BE 4 LUG TINNED COPPER. SEE CABINET MAIN BONDING JUMPER DETAIL, STANDARD PLAN J-10.20.
16. SPARE BRANCH BREAKER (DPST 20AMP- 120/240 VOLT)
17. METAL WIRING DIAGRAM HOLDER
18. REMOVABLE EQUIPMENT MOUNTING PAN
19. 6" x 6" MIN. UNDERGROUND FEED - UTILITY SERVICE WIREWAY (LEFT REAR CORNER)
20. SCREENED VENTS, 2 REQUIRED, 1 EACH SIDE, LOUVERED PLATES.
21. PROVIDE BREAKER FOR SIGNAL CABINET HEATER (SPST 20 AMP - 120/240 VOLT)
22. THERMOSTAT, 40°F CLOSURE - 3 DIFFERENTIAL
23. STRIP HEATER (100 WATT NOMINAL) , WITH TERMINAL STRIP COVER.
24. 24 CIRCUIT PANEL BOARD - MINIMUM SIZE WITH SEPARATE MAIN BREAKER.
25. LABEL CABINET WITH BUSSWORK RATING.



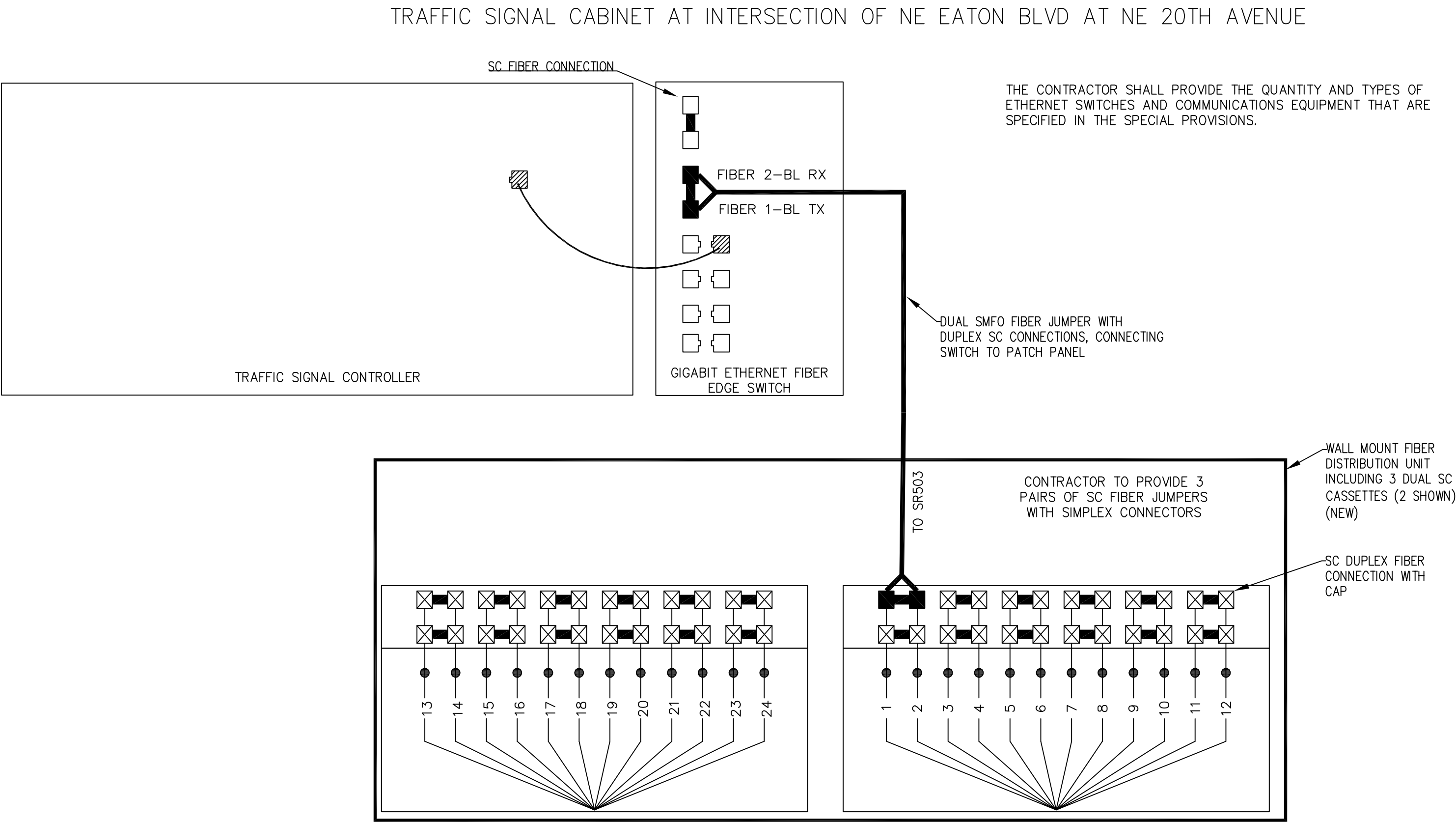
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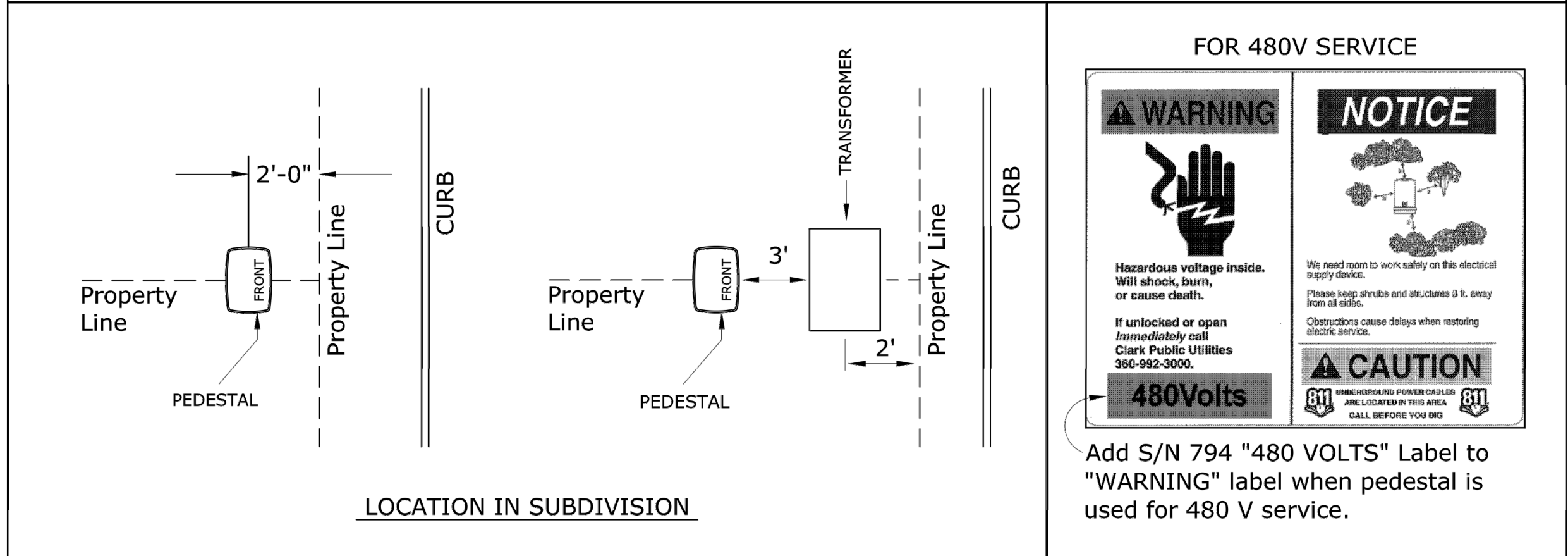
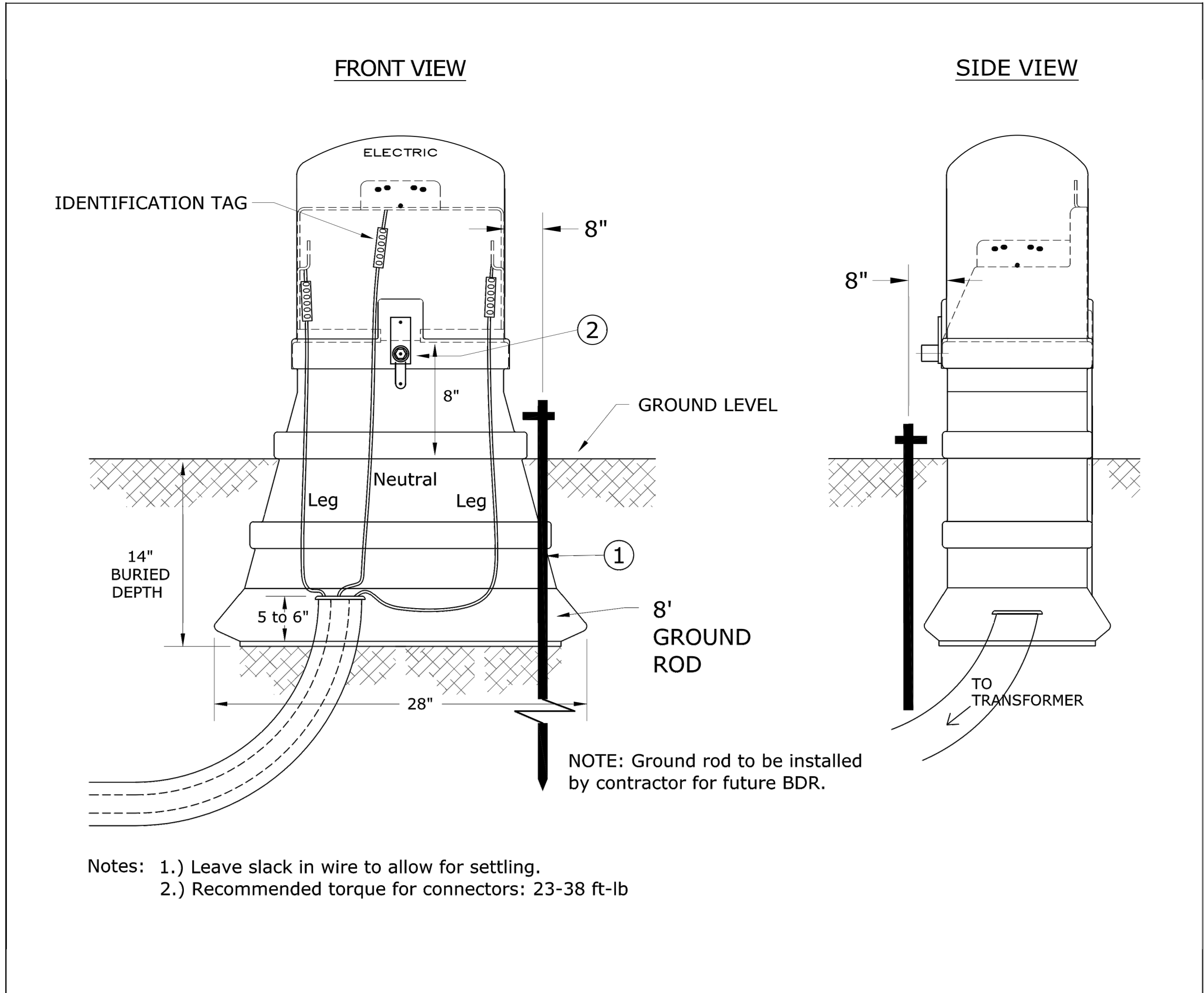
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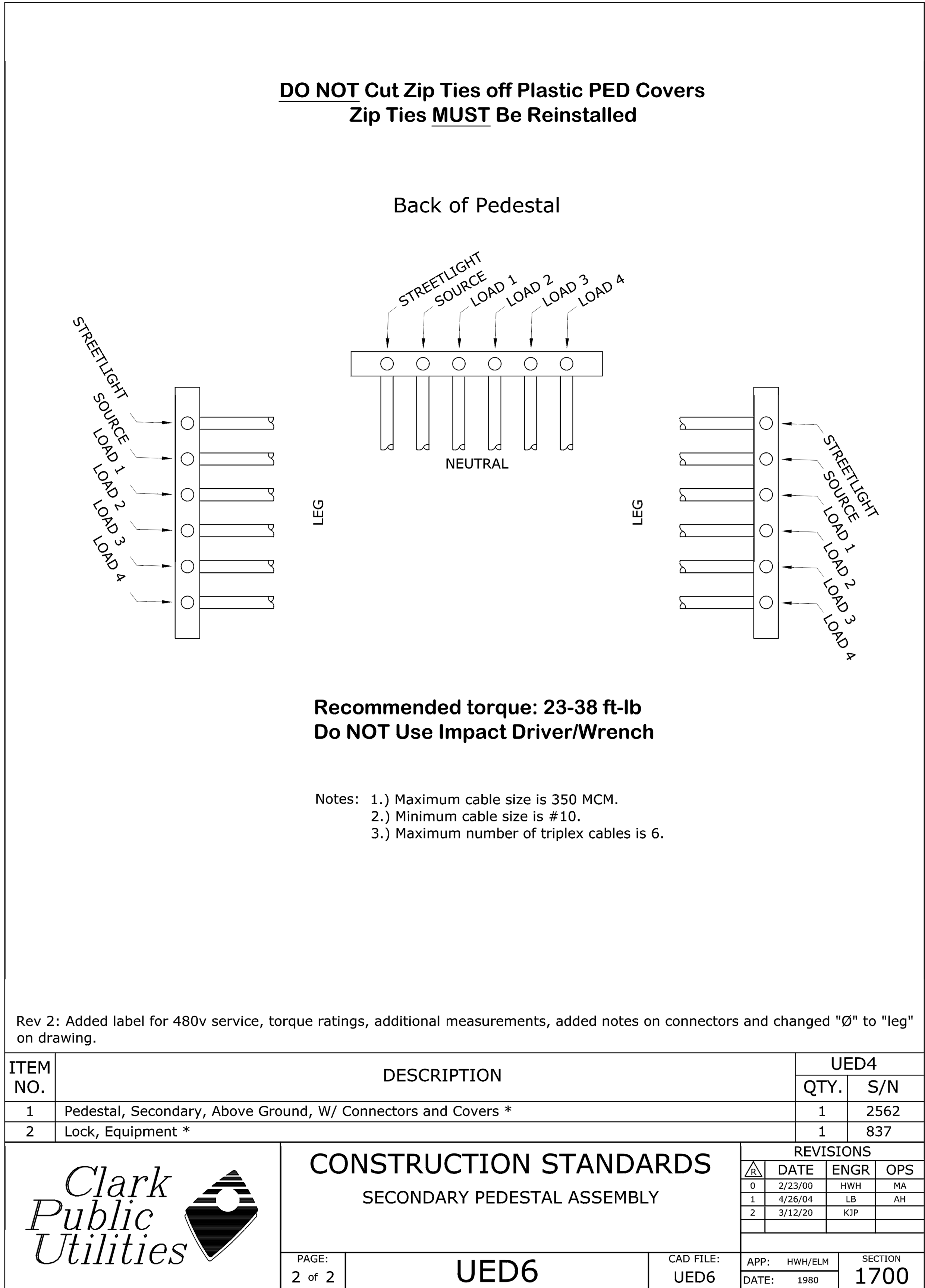
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Rev. 2 - Added label for 480v service, torque ratings, additional measurements, added notes on connectors and changed "Ø" to "leg" on drawing.

	CONSTRUCTION STANDARDS			REVISIONS			
	SECONDARY PEDESTAL ASSEMBLY			DATE	ENGR	OPS	
PAGE: 1 of 2	UED6			2/23/00	HWH	MA	
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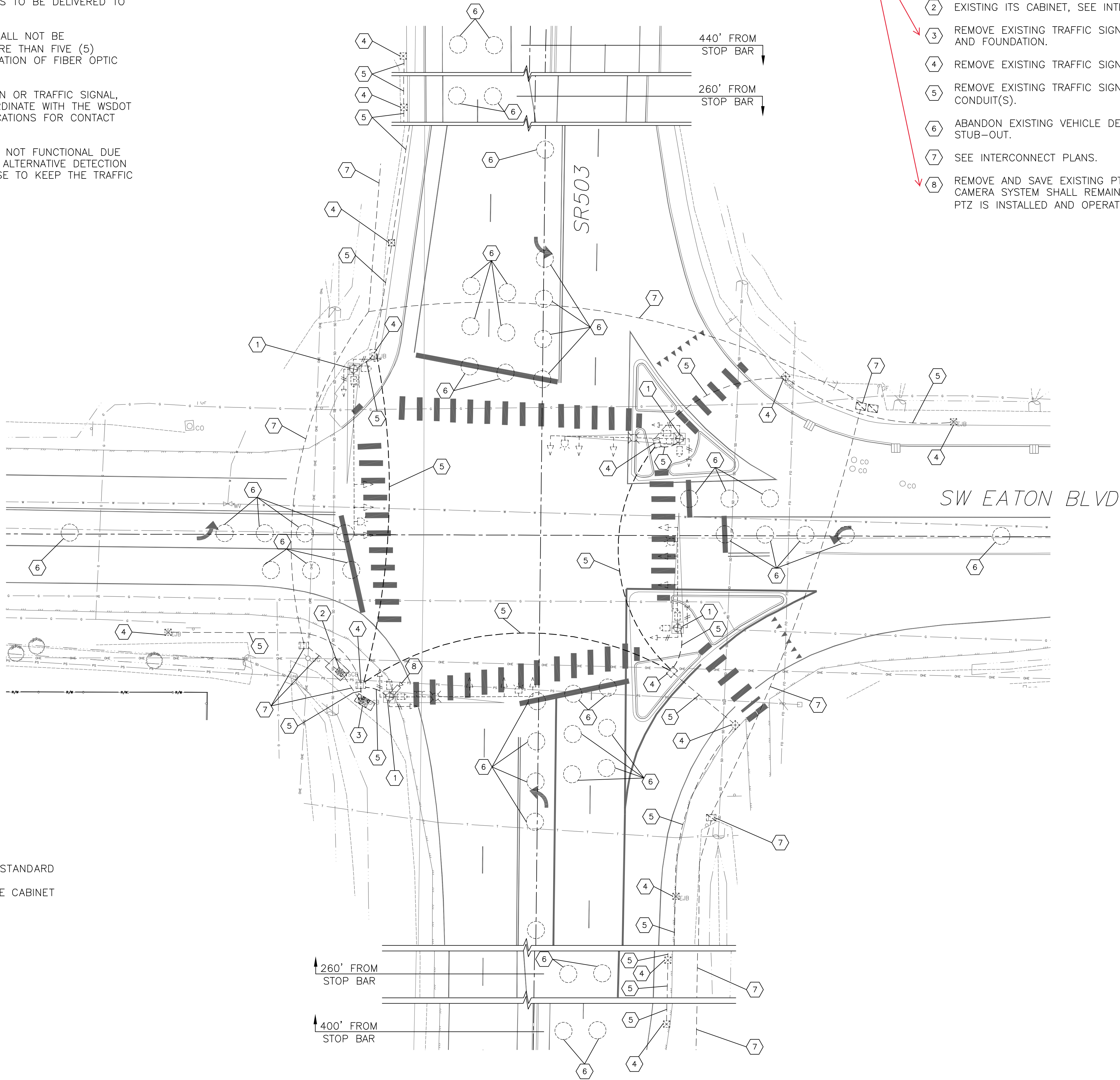
FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS21.DWG

GENERAL NOTES:

- ✓ 1. EXISTING TRAFFIC SIGNAL SYSTEM TO REMAIN OPERATIONAL UNTIL NEW TRAFFIC SIGNAL SYSTEM IS INSTALLED AND FULLY FUNCTIONAL.
2. SEE SPECIAL PROVISIONS FOR REMOVAL ITEMS TO BE DELIVERED TO WSDOT.
3. WSDOT ITS FIBER OPTIC COMMUNICATIONS SHALL NOT BE DISCONNECTED OR OUT OF SERVICE FOR MORE THAN FIVE (5) CONSECUTIVE DAYS TO ACCOMMODATE RELOCATION OF FIBER OPTIC COMMUNICATIONS INFRASTRUCTURE.
4. BEFORE DISABLING WSDOT ITS COMMUNICATION OR TRAFFIC SIGNAL, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE WSDOT SIGNAL SUPERVISOR. SEE CONTRACT SPECIFICATIONS FOR CONTACT INFORMATION.
- ✓ 5. IF VEHICLE LOOP DETECTION IS DAMAGED OR NOT FUNCTIONAL DUE TO SAWCUTTING OR OTHER WORK ACTIVITIES, ALTERNATIVE DETECTION SHALL BE PROVIDED AT CONTRACTOR EXPENSE TO KEEP THE TRAFFIC SIGNAL FULLY FUNCTIONAL.

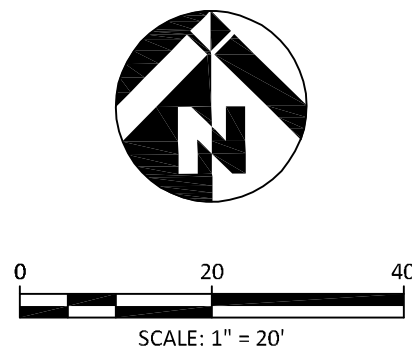
CONSTRUCTION NOTES:

- 20
1. REMOVE EXISTING TYPE III TRAFFIC SIGNAL STANDARD COMPLETE, INCLUDING ALL ATTACHED HARDWARE. REMOVE TRAFFIC SIGNAL STANDARD FOUNDATION PER SPECIFICATION SECTION 2-02.3(1).
 2. EXISTING ITS CABINET, SEE INTERCONNECT PLANS.
 3. REMOVE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET, SERVICE CABINET AND FOUNDATION.
 4. REMOVE EXISTING TRAFFIC SIGNAL SYSTEM JUNCTION BOX.
 5. REMOVE EXISTING TRAFFIC SIGNAL SYSTEM WIRING AND ABANDON EXISTING CONDUIT(S).
 6. ABANDON EXISTING VEHICLE DETECTOR LOOP, LOOP WIRES AND CONDUIT STUB-OUT.
 7. SEE INTERCONNECT PLANS.
 8. REMOVE AND SAVE EXISTING PTZ CAMERA AND MOUNTING HARDWARE. PTZ CAMERA SYSTEM SHALL REMAIN IN-PLACE AND OPERATIONAL UNTIL NEW PTZ IS INSTALLED AND OPERATIONAL (SEE SHEET TS22).



LEGEND:

- (X) CONSTRUCTION NOTE
- X--- EXISTING TYPE III TRAFFIC SIGNAL STANDARD
- [CABINET] EXISTING CONTROLLER AND SERVICE CABINET
- [CABINET] EXISTING ITS CABINET
- > EXISTING VEHICLE SIGNAL DISPLAY
- [PUSHBUTTON] EXISTING PEDESTRIAN DISPLAY
- [PUSHBUTTON] EXISTING PEDESTRIAN PUSHBUTTON
- [PREEMPTION] EXISTING PREEMPTION INDICATOR AND PREEMPTION DETECTOR
- [JUNCTION BOX] EXISTING TYPE 8 JUNCTION BOX
- [JUNCTION BOX] EXISTING TYPE 2 JUNCTION BOX
- [JUNCTION BOX] EXISTING TYPE 1 JUNCTION BOX
- [SIGN] EXISTING STREET NAME SIGN
- [LOOP] EXISTING DETECTOR LOOP



SW EATON BOULEVARD ROAD IMPROVEMENT
CITY OF BATTLE GROUND, WA

TRAFFIC SIGNAL REMOVAL PLAN
SR503 AT SW EATON BLVD

PRELIMINARY
NOT FOR
CONSTRUCTION

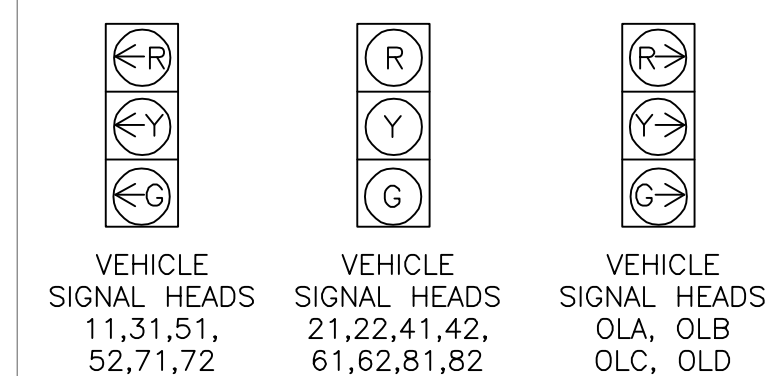
GLOBAL
Transportation
Engineering
227 SW Pine St, Suite 220
Portland, Oregon 97204

REVISIONS:

JOB NO.: 17499
DATE: 12-15-2021
SCALE: 1" = 20'
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

60% SUBMITTAL

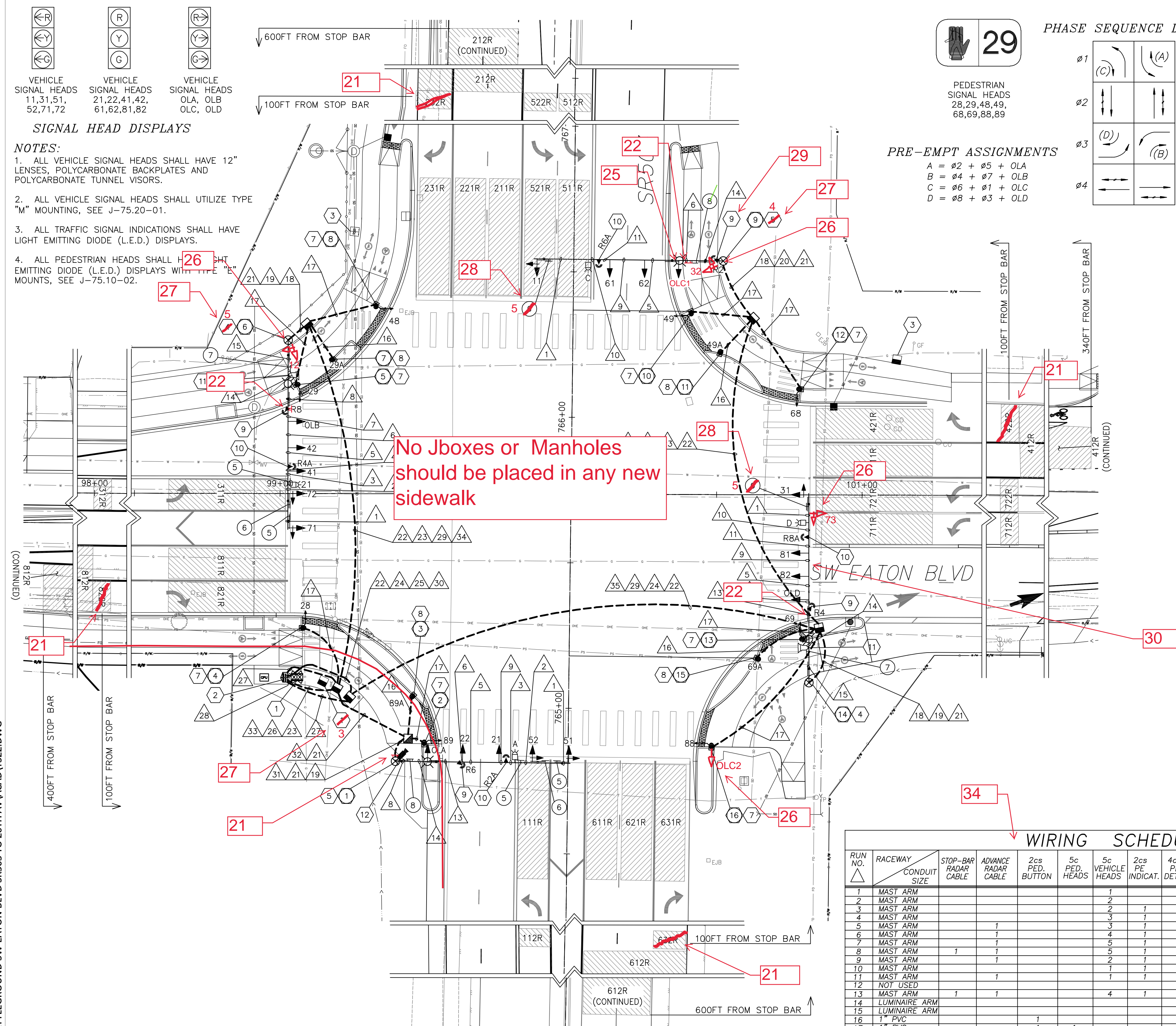
TS21
NO. X OF #



SIGNAL HEAD DISPLAYS

NOTES:

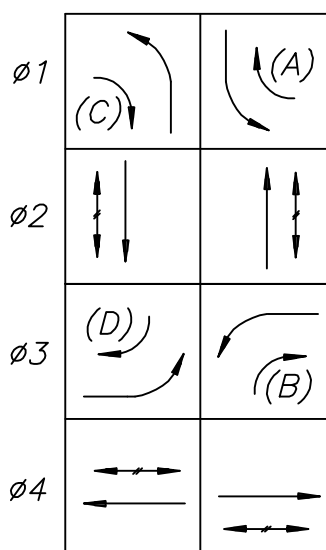
1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" LENSES, POLYCARBONATE BACKPLATES AND POLYCARBONATE TUNNEL VISORS.
2. ALL VEHICLE SIGNAL HEADS SHALL UTILIZE TYPE "M" MOUNTING, SEE J-75-20-01.
3. ALL TRAFFIC SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (L.E.D.) DISPLAYS.
4. ALL PEDESTRIAN HEADS SHALL HAVE 12" LIGHT EMITTING DIODE (L.E.D.) DISPLAYS WITH TYPE "E" MOUNTING, SEE J-75-10-02.



PRE-EMPT ASSIGNMENTS

$$\begin{aligned} A &= \phi_2 + \phi_5 + OLA \\ B &= \phi_4 + \phi_7 + OLB \\ C &= \phi_6 + \phi_1 + OLC \\ D &= \phi_8 + \phi_3 + OLD \end{aligned}$$

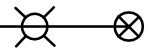



















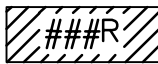
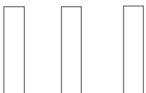

PHASE SEQUENCE DIAGRAM 31



CONSTRUCTION NOTES:

- 1 INSTALL TYPE 332D TRAFFIC SIGNAL CONTROLLER CABINET WITH RISER FRAME ON NEW FOUNDATION. TRAFFIC SIGNAL EQUIPMENT ON THE LEFT SIDE AND ITS ON THE RIGHT SIDE OF THE CABINET. INSTALL 2070E ATC TRAFFIC SIGNAL CONTROLLER WITH 1C CPU, 2E I/O CARD, 7B SERIAL CARD AND THE LATEST VERSION 75 OF APOGEE SOFTWARE. INSTALL TWO CLICK 656 CONTROLLER INTERFACE DEVICES (CIDs), 6-PORT SDLC HUB, AND SDLC CABLES.
- 2 INSTALL TYPE B MODIFIED SERVICE CABINET ON NEW FOUNDATION, COORDINATE NEW SERVICE CONNECTION WITH CLARK PUBLIC UTILITIES.
- 3 SEE INTERCONNECT PLANS
- 4 CONSTRUCT FOUNDATION AND INSTALL TYPE III TRAFFIC SIGNAL STANDARD COMPLETE WITH 65' MAST ARM, FOUR TRAFFIC SIGNAL DISPLAYS, OPTICAL PREEMPTION DETECTOR/INDICATOR, TERMINAL CABINET, SIGNS AND LUMINAIRE EXTENSION WITH 16FT LUMINAIRE ARM.
- 5 CONSTRUCT FOUNDATION AND INSTALL TYPE III TRAFFIC SIGNAL STANDARD COMPLETE WITH 65' MAST ARM, FIVE TRAFFIC SIGNAL DISPLAYS, OPTICAL PREEMPTION DETECTOR/INDICATOR, TERMINAL CABINET, SIGNS AND LUMINAIRE EXTENSION WITH 16FT LUMINAIRE ARM.
- 6 NOT USED
- 7 CONSTRUCT FOUNDATION AND INSTALL TYPE 1 SIGNAL STANDARD COMPLETE WITH PEDESTRIAN SIGNAL DISPLAY APS PUSHBUTTON ASSEMBLY. (SEE STD. PLAN J-20.11-03)
- 8 CONSTRUCT FOUNDATION AND INSTALL TYPE PPB PUSHBUTTON PEDESTAL STANDARD COMPLETE WITH APS PUSHBUTTON ASSEMBLY. (SEE STD. PLAN J-20.11-03)
- 9 INSTALL NEW WAVETRONIX SMARTSENSOR MATRIX NON-INTRUSIVE DETECTION AND ALL ASSOCIATED EQUIPMENT REQUIRED TO MAKE THE NON-INTRUSIVE DETECTION OPERATE IN ACCORDANCE WITH MANUFACTURES INSTALLATION, HEIGHT AND LOCATION RECOMMENDATIONS. WAVETRONIX DETECTION SHALL BE MOUNTED ON THE SIGNAL MASTARM.
- 10 INSTALL NEW WAVETRONIX SMARTSENSOR ADVANCE EXTENDED RANGE NON-INTRUSIVE DETECTION AND ALL ASSOCIATED EQUIPMENT REQUIRED TO MAKE THE NON-INTRUSIVE DETECTION OPERATE IN ACCORDANCE WITH MANUFACTURES INSTALLATION, HEIGHT AND LOCATION RECOMMENDATIONS. WAVETRONIX DETECTION SHALL BE MOUNTED ON THE SIGNAL MASTARM.
- 11 INSTALL GRIDSMART VIDEO DETECTION CAMERA SYSTEM AND MOUNT ON LUMINAIRE ARM.
- 12 INSTALL PTZ CAMERA AND POLE MOUNT ON POLE RISER AT 30FT MOUNTING HEIGHT.

LEGEND:

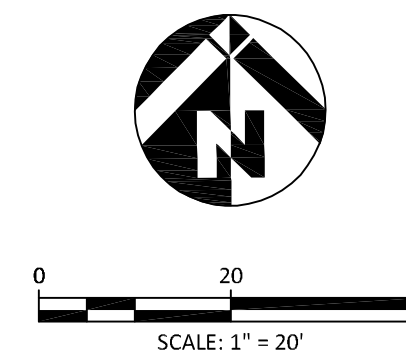
- | | |
|---|--|
|  | NEW TYPE III TRAFFIC SIGNAL WITH TERMINAL CABINET |
|  | NEW TYPE I PPB/PS TRAFFIC SIGNAL STANDARD |
|  | NEW CONTROLLER CABINET |
|  | SERVICE CABINET |
|  | NEW TYPE 2 ELECTRICAL JUNCTION BOX, SEE STANDARD PLAN J-40.10-04 |
|  | NEW TYPE 8 ELECTRICAL JUNCTION BOX, SEE STANDARD PLAN J-40.30-04 |
|  | NEW PEDESTRIAN PUSHBUTTON |
|  | NEW PEDESTRIAN SIGNAL DISPLAY |
|  | NEW, THROUGH VEHICLE SIGNAL DISPLAY |
|  | NEW, LEFT TURN VEHICLE SIGNAL DISPLAY |
|  | NEW STREET NAME SIGN |
|  | NEW RADAR TRAFFIC DETECTION UNIT |
|  | NEW OPTICAL PREEMPTION DETECTOR & INDICATOR |
|  | NEW CONDUIT & CONDUCTORS |
|  | NEW GRIDSMART SYSTEM AND MOUNT |
|  | PTZ TRAFFIC CAMERA |
|  | OVERHEAD SIGN SEE SHEET TS07 |
|  | CONSTRUCTION NOTE |
|  | WIRE NOTE |
|  | SIGNAL STANDARD NOTE, SEE TRAFFIC SIGNAL DETAIL SHEET DWG TS07 |
|  | VIRTUAL RADAR DETECTION ZONE SEE SHEET TS-24 FOR DETAILS |
|  | CROSSWALK STRIPE |
|  | STOP BAR |

BREAKER SCHEDULE		
CIRCUIT	BREAKER	CONTACTOR
MAIN	2P - 200 AMP	
SIGNAL	1P - 60 AMP	
ILLUM	2P - 30 AMP	30 AMP
ITS	1P - 30 AMP	
SPARE	1P - 30 AMP	

BUSS WORK SHALL BE RATED AT 250 AMP MINIMUM

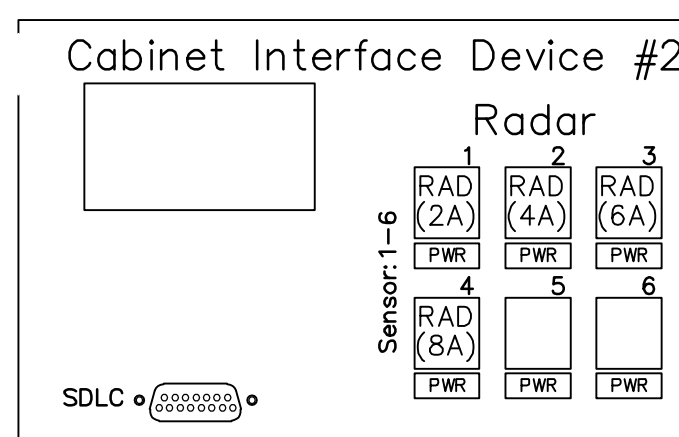
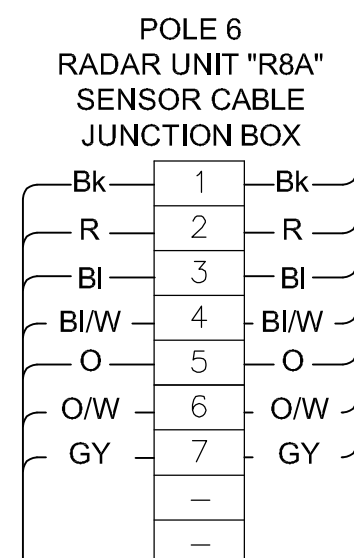
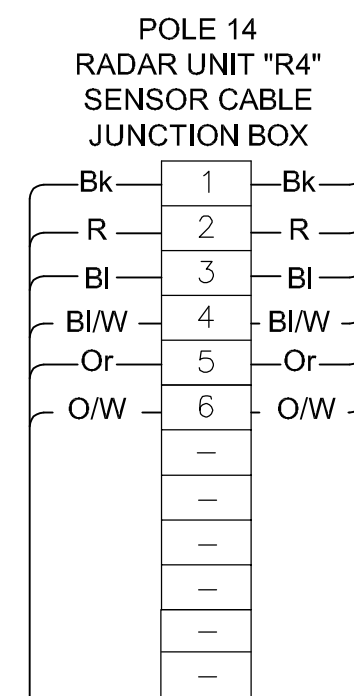
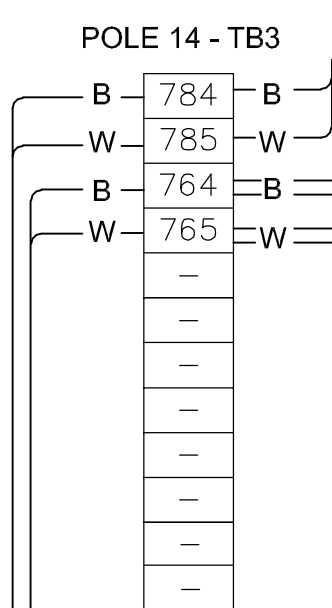
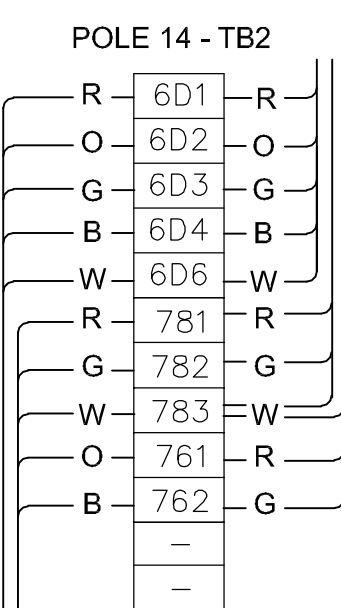
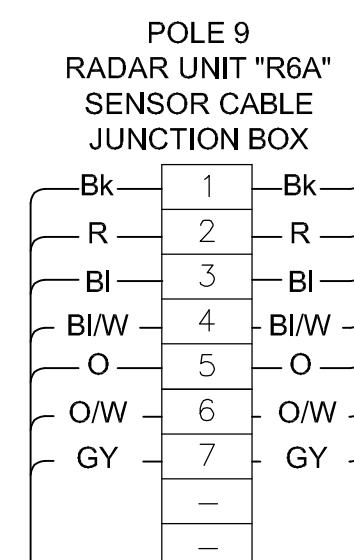
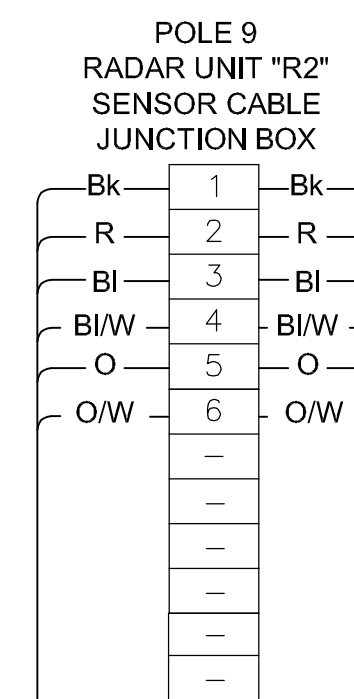
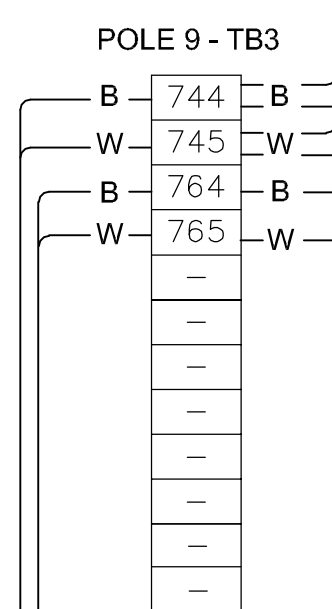
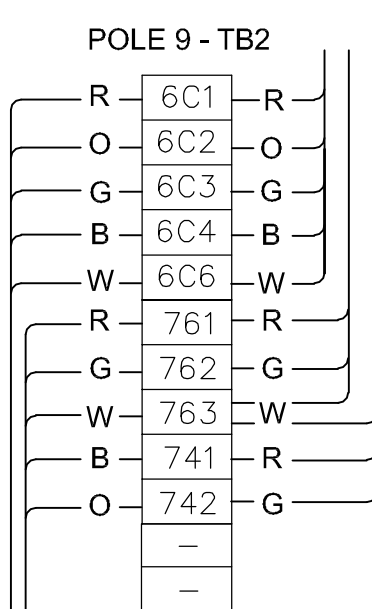
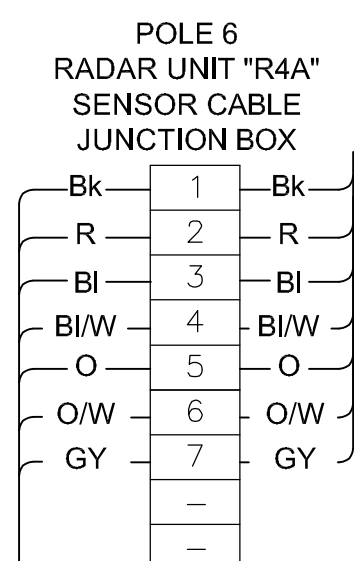
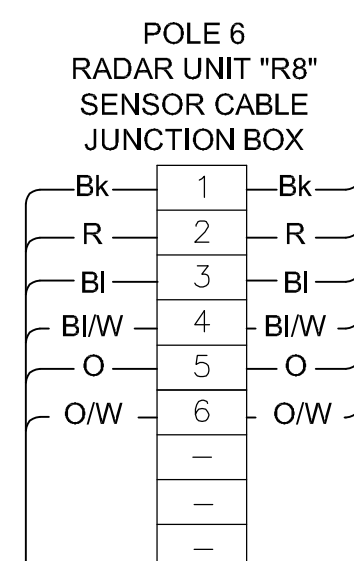
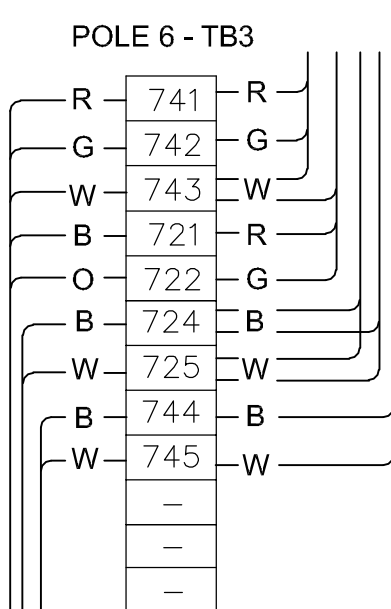
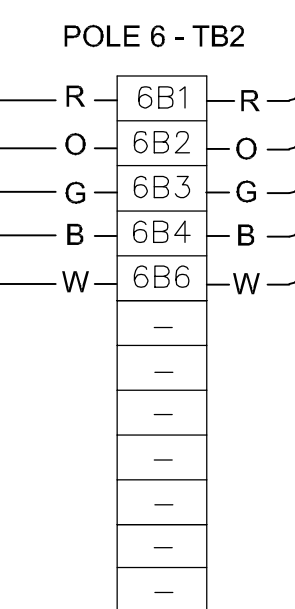
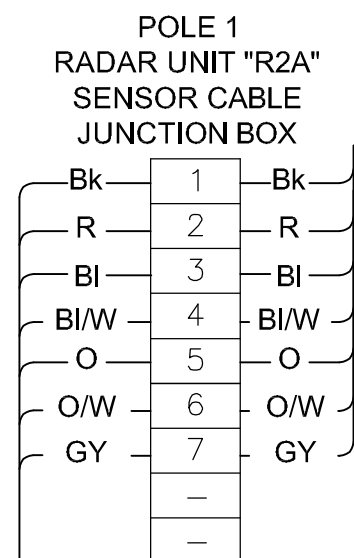
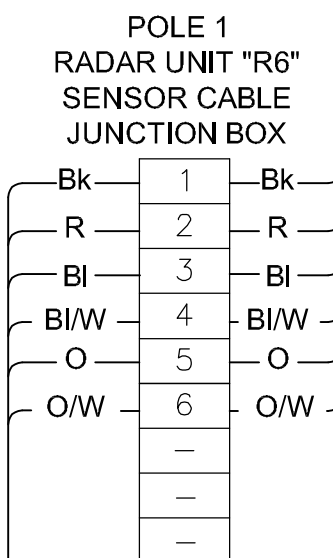
PEAK LOAD	= 4.8 KVA
CONTINUOUS LOAD	= 2.4 KVA

WIRING SCHEDULE

[illegible]

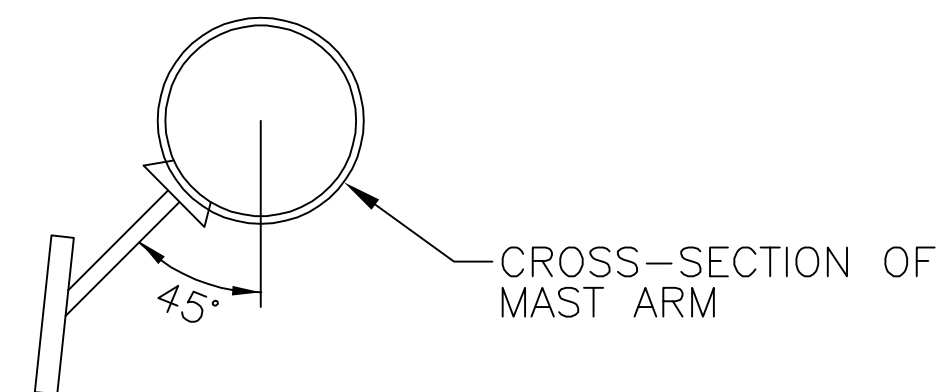


1. RADAR DETECTORS TO BE CALIBRATED IN THE FIELD BY THE ENGINEER AND VENDOR REPRESENTATIVE. PROVIDE THE ENGINEER AT LEAST 14 DAYS NOTICE PRIOR TO RADAR PROGRAMMING/SETUP.



(#) = PHASE NUMBER

RADAR CABLE CONNECTION ASSIGNMENTS

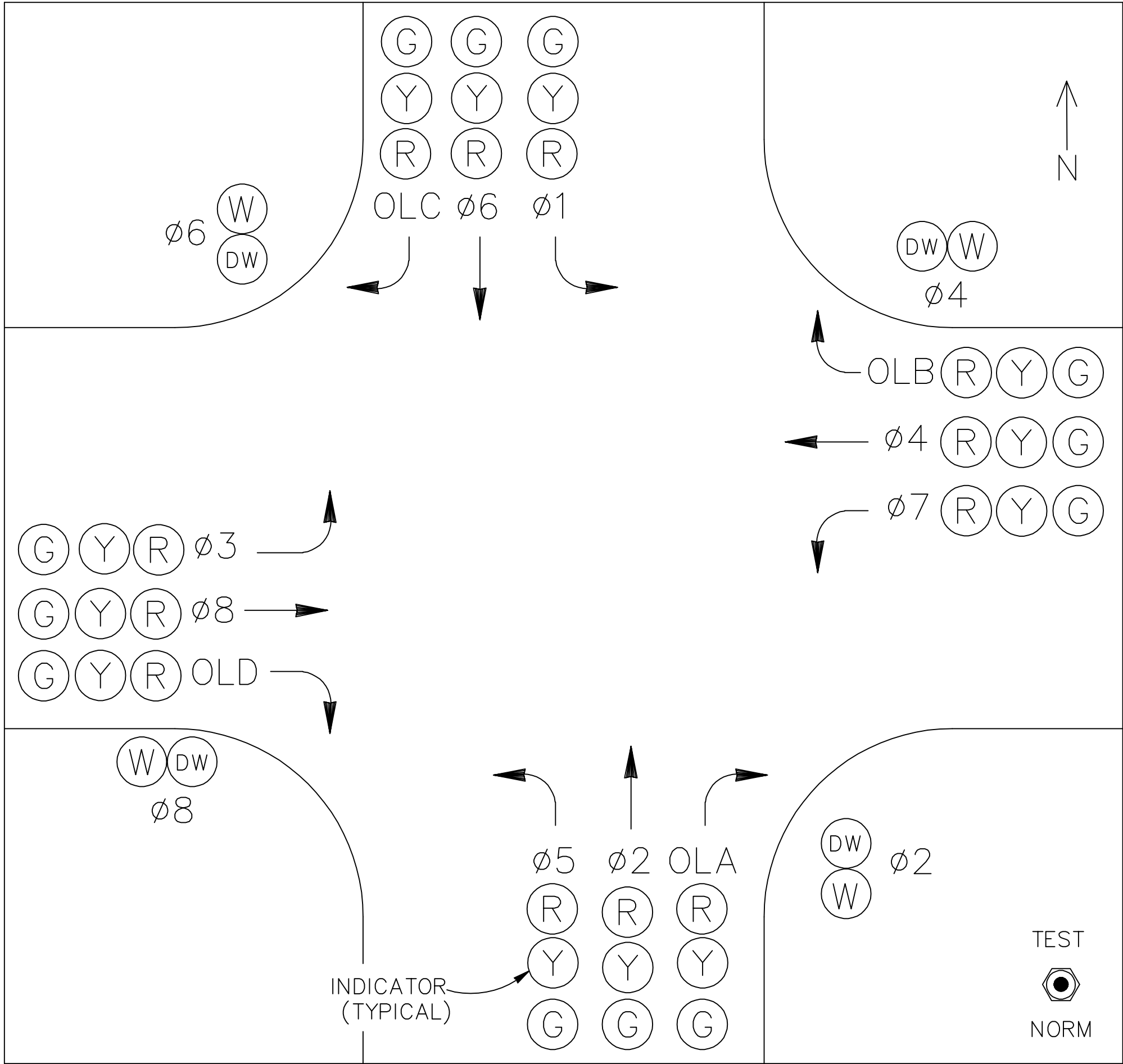


RADAR MOUNTING DETAILS

	Radar Detection Zone Configuration							
Radar Zone	Phase #	Function	Zone Dimension From Stop-Bar	BIU Assignment	Detector Unit	Wavetronix Channel #	Notes	Detector Input #
211	2	Presence/ Extension	0' to40'	12	R2	1		52
212	2	Extension	100' to600'	10	R2A	1	Advance	56
221	2	Presence/ Extension	0' to40'	12	R2	3		53
231	2	Presence/ Extension	0' to +40'	12	R2	5		54
232	2	Extension	100' to 105'	12	R2	6		55
511	5	Presence/ Extension	0' to40' 50'	12	R2	9		48
512	5	Extension	100' to 105'	12	R2	10		50
521	5	Presence/ Extension	0' to40' 50'	12	R2	11		49
522	5	Extension	100' to 105'	12	R2	12		51
411	4	Presence/ Extension	0' to40'	12	R4	1		61
412	4	Extension	100' to 340'	10	R4A	1	Advance	65
421	4	Presence/ Extension	0' to40'	12	R4	2		62
422	4	Extension	100' to 105'	12	R4	3		63
711	7	Presence/ Extension	0' to 40' 50'	12	R4	4		60
712	7	Extension	100' to 105'	12	R4	5		59
721	7	Presence/ Extension	0' to 40' 50'	12	R4	6		58
722	7	Extension	100' to 105'	12	R4	7		57
611	6	Presence/ Extension	0' to 40'	11	R6	1		37
612	6	Extension	100' to 600'	10	R6A	1	Advance	41
621	6	Presence/ Extension	0' to 40'	11	R6	2		40
631	6	Presence/ Extension	0' to 40'	11	R6	3		38
632	6	Extension	100' to 105'	11	R6	4		39
111	1	Presence/ Extension	0' to40' 50'	11	R6	5		33
112	1	Extension	100' To 105'	11	R6	6		35
811	8	Presence/ Extension	0' to40'	11	R8	1		44
812	8	Extension	100' to 340'	10	R8A	1	Advance	47
821	8	Presence/ Extension	0' to40'	11	R8	2		45
822	8	Extension	100' to 105'	11	R8	3		46
311	3	Presence/ Extension	0' to40' 50'	11	R8	5		42
312	3	Extension	100' to 105'	11	R8	6		43

NOTE:
CONTRACTOR SHALL CONNECT RADAR CLICK 656 UNIT TO THE
2070E ATC CONTROLLER WITH A STANDARD 15-PIN SDLC
CONNECTOR AND TO THE 2070E ATC CONTROLLER I/O CARD
2070-2E WITH A 25-PIN CONNECTOR, WIRED FOR PORT SP3.

FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS25.DWG



DISPLAY PANEL CONFIGURATION

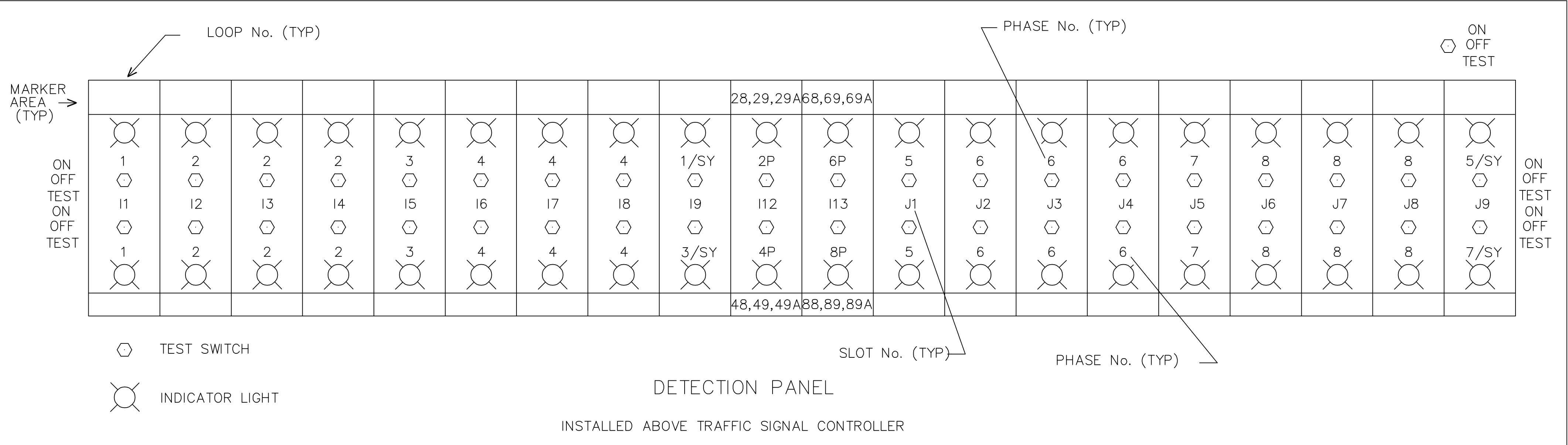
CONFLICT MONITOR PIN ASSIGNMENT			
PIN NO.	MONITOR FUNCTION	CHANNEL	PIN NO.
1	SP 2 G	2	A SP 2 Y
2	SP 2P G	13	B SP 6 G
3	SP 6 Y	6	C SP 6P G
4	SP 4 G	4	D SP 4 Y
5	SP 4P G	14	E SP 8 G
6	SP 8 Y	8	F SP 8P G
7	SP 5 G	5	H SP 5 Y
8	T&B	13	J SP 1 G
9	SP 1 Y	1	K T&B
10	SP 7 G	7	L SP 7 G
11	T&B	14	M SP 2 G
12	SP 3 Y	3	N T&B
13	T&B or ASP 1 G	9	P NA
14	NA		R T&B or ASP 2 G
15	T&B or ASP 4 Y	11	S T&B or ASP 4 G
16	T&B or ASP 1 Y	9	T NA
17	NA		U T&B or ASP 2 Y
18	T&B or ASP 5 Y	12	V T&B or ASP 5 G
19	NA		W NA
20	Eq. Ground		X NA
21	AC-		Y DC Grnd.
22	Watchdog Timer		Z Ex. Reset
23	+24 vdc		AA Vdc
24	CM-Log. Rel. Coil		BB Stop Time
25	Intk.Cir.-DC Grnd.		CC NA
26	NA		DD NA
27	NA		EE Output Sw., S2
28	Output Sw., S1 AC+		FF AC+

T&B - Pin connected to conductor, two feet in length, with ring lug on unconnected end, bundled and tied separately.

ASP - Auxillary output file, SP position.

C1 FUNCTION ASSIGNMENTS

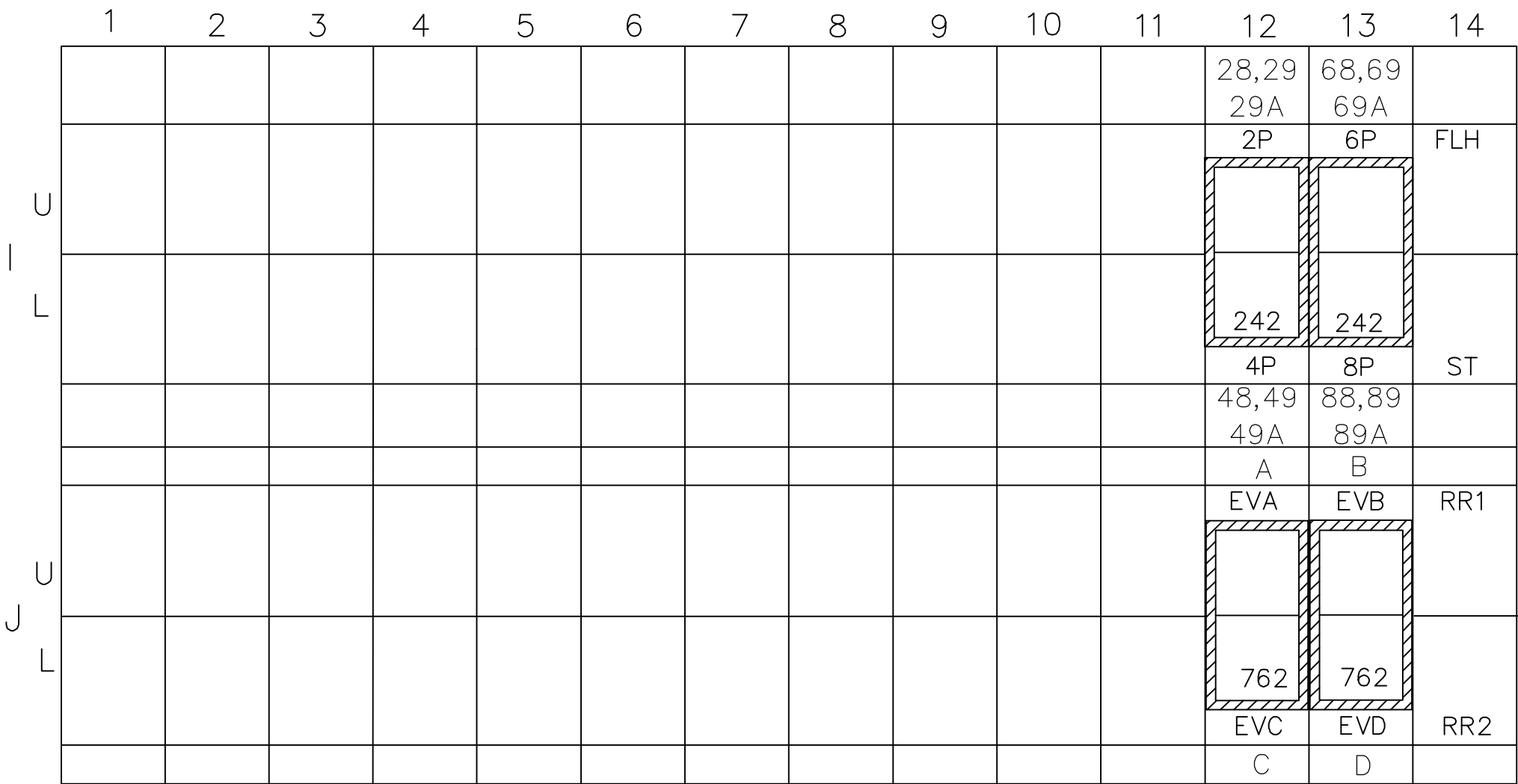
PIN	I/O	FCT	PIN	I/O	FCT
1	****	DC-	53	I2-7	ADV. EN.
2	O1-1	4P DW	54	I2-8	SPARE
3	O1-2	4P W	55	I3-1	5 E,C
4	O1-3	4 R	56	I3-2	1 E,C
5	O1-4	4 Y	57	I3-3	7 E,C
6	O1-5	4 G	58	I3-4	3 E,C
7	O1-6	3 R	59	I3-5	5 E,C
8	O1-7	3 Y	60	I3-6	1 E,C
9	O1-8	3 G	61	I3-7	7 E,C
10	O2-1	2P DW	62	I3-8	3 E,C
11	O2-2	2P W	63	I4-5	2 E,C
12	O2-3	2 R	64	I4-6	6 E,C
13	O2-4	2 Y	65	I4-7	4 E,C
14	* *	DC-	66	I4-8	8 E,C
15	O2-5	2 G	67	I5-1	2 PPB
16	O2-6	1 R	68	I5-2	6 PPB
17	O2-7	1 Y	69	I5-3	4 PPB
18	O2-8	1 G	70	I5-4	8 PPB
19	O3-1	8P DW	71	I5-5	EVA
20	O3-2	8P W	72	I5-6	EVB
21	O3-3	8 R	73	I5-7	EVC
22	O3-4	8 Y	74	I5-8	EVD
23	O3-5	8 G	75	I6-1	SPARE
24	O3-6	7 R	76	I6-2	2 C
25	O3-7	7 Y	77	I6-3	6 C
26	O3-8	7 G	78	I6-4	4 C
27	O4-1	6P DW	79	I6-5	8 C
28	O4-2	6P W	80	I6-6	ADVANCE
29	O4-3	6 R	81	I6-7	FLASH SENSE
30	O4-4	6 Y	82	I6-8	STOP TIME
31	O4-5	6 G	83	O6-1	AUX 6R
32	O4-6	5 R	84	O6-2	AUX 6G
33	O4-7	5 Y	85	O6-3	OLD R
34	O4-8	5 G	86	O6-4	OLD Y
35	O5-1	EVAI	87	O6-5	OLD G
36	O5-2	EVCI	88	O6-6	OLC R
37	O5-3	EVBI	89	O6-7	OLC Y
38	O5-4	EVDI	90	O6-8	OLC G
39	I1-1	2 E,C	91	O7-1	AUX 3R
40	I1-2	6 E,C	92	* *	DC-
41	I1-3	4 E,C	93	O7-2	AUX 3G
42	I1-4	8 E,C	94	O7-3	OLB R
43	I1-5	2 E,C	95	O7-4	OLB Y
44	I1-6	6 E,C	96	O7-5	OLB G
45	I1-7	4 E,C	97	O7-6	OLA R
46	I1-8	8 E,C	98	O7-7	OLA Y
47	I2-1	2 C	99	O7-8	OLA G
48	I2-2	6 C	100	O5-5	AUX 6Y
49	I2-3	4 C	101	O5-6	AUX 3Y
50	I2-4	8 C	102	O5-7	
51	I2-5	PED INH	103	O5-8	WATCHDOG
52	I2-6	RR2	104	* *	DC-



DETECTION PANEL

INSTALLED ABOVE TRAFFIC SIGNAL CONTROLLER

INPUT FILE LAYOUT
X = 2-CHANNEL LOOP DETECTOR AMPLIFIER, SHALL BE RENO A&E MODEL C-1100-B



MODULE KEY

XX-XX	INPUT NO. (LABEL)
XX-XX	FUNCTION
XXX	MODEL TYPE
XX-XX	FUNCTION
XX-XX	INPUT NO. (LABEL)

E = EXTENSION
C = CALL

39

SERVICE PANEL

TBS			
-B	501	1	AC+
		2	CG
-W	502	3	AC-
		4	
		5	

OLA	R	6A1	OLAR
	O	6A2	OLAY
	G	6A3	OLAG

OLB	R	6B1	OLBR
	O	6B2	OLBY
	G	6B3	OLBG

41	R	641	04R
42	O	642	04Y
	G	643	04G
48,49	R	741	04DW
49A	B	5B4	EVIB
	G	742	04W
81	R	681	08R
82	O	682	08Y
	G	683	08G
88,89	R	781	08DW
89A	B	5D4	EVID
	G	782	08W

OLC	R	6C1	OLCR
	O	6C2	OLCY
	G	6C3	OLCG

OLD	R	6D1	OLDR
	O	6D2	OLDY
	G	6D3	OLDG

OUTPUT TERMINALS

28,29	O	721	02DW
29A	B	5A4	EVIA
	G	722	02W
31	R	631	03R
	G	632	03Y
	G	633	03G
68,69	R	761	06DW
69A	B	5C4	EVIC
	G	762	06W
71	R	671	07R
72	O	672	07Y
	G	673	07G
11	R	611	01R
	O	612	01Y
	G	613	01G
21	R	621	02R
22	O	622	02Y
	G	623	02G
51	R	651	05R
52	O	652	05Y
	G	653	05G
61	R	661	06R
62	O	662	06Y
	G	663	06G

FOR THE FOLLOWING, SEE SHEET TS-05.
C1 FUNCTION ASSIGNMENTS
CONFLICT MONITOR PIN ASSIGNMENTS
DETECTION PANEL
DISPLAY PANEL CONFIGURATION

INPUT TERMINALS

TB 2			
816	I1D	ø1U	
817	I1E	E, C	
818	I1J	ø1L	
819	I1K	E, C	
921	I2D	ø2U	
922	I2E	E, C	
923	I2J	ø2L	
924	I2K	E, C	
925	I3D	ø2U	
926	I3E	E, C	
927	I3J	ø2L	
928	I3K	E	
TB 3			
ø5U	J1D	856	
E, C	J1E	857	
ø5L	J1J	858	
E, C	J1K	859	
ø6U	J2D	961	
E, C	J2E	962	
ø6L	J2J	963	
E, C	J2K	964	
ø6U	J3D	965	
E, C	J3E	966	
ø6L	J3J	967	
E	J3K	968	

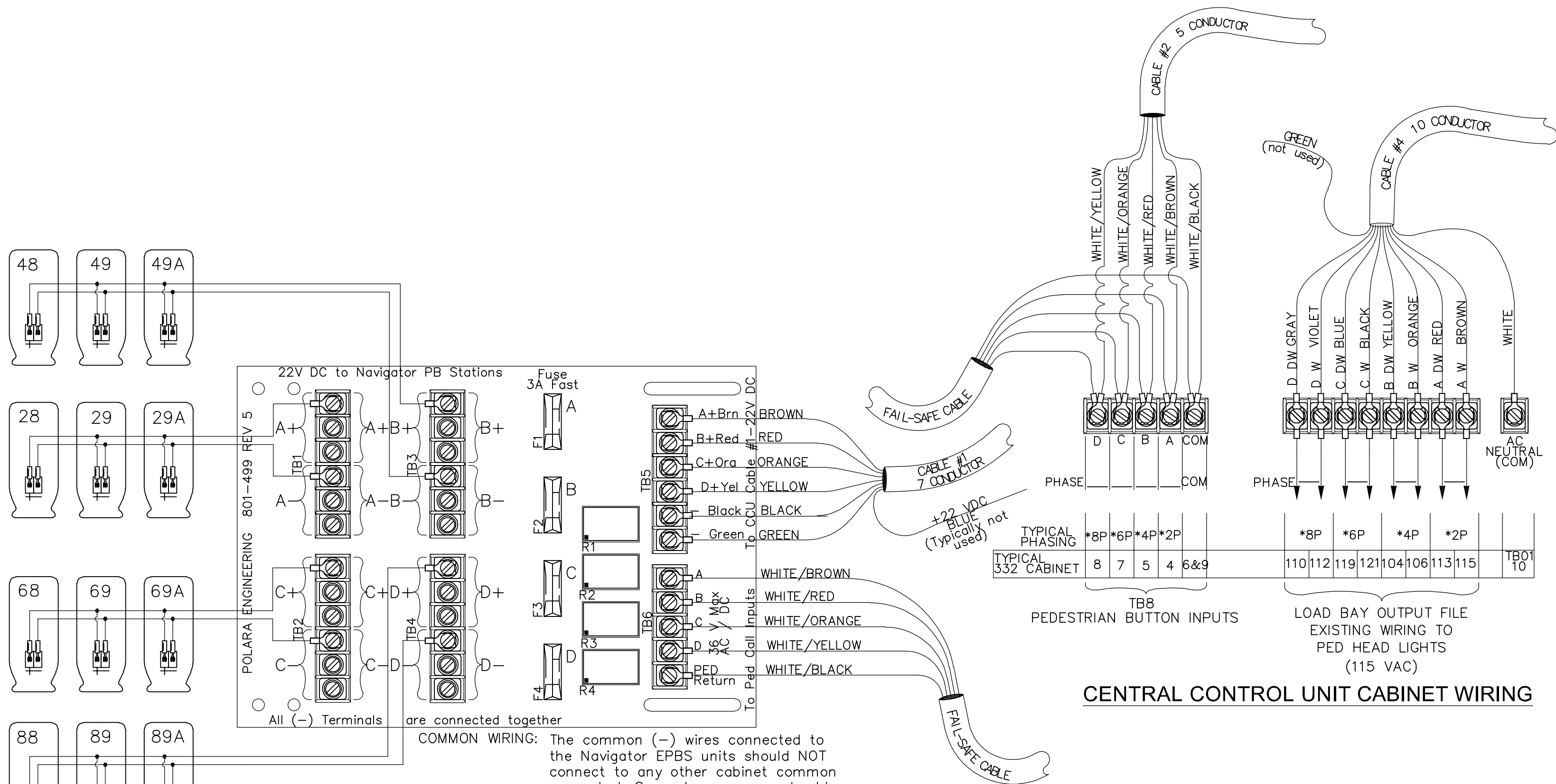
TB 4			
826	I4D	ø4U	
827	I4E	C	
828	I4J	ø4L	
829	I4K	C	
836	I5D	ø3U	
837	I5E	E, C	
838	I5J	ø3L	
839	I5K	E, C	
941	I6D	ø4U	
942	I6E	E, C	
943	I6J	ø4L	
944	I6K	E, C	
TB 5			
ø4U	J4D	866	
C	J4E	867	
ø4L	J4J	868	
C	J4K	869	
ø7U	J5D	876	
E, C	J5E	877	
ø7L	J5J	878	
E, C	J5K	879	
ø8U	J6D	981	
E, C	J6E	982	
ø8L	J6J	983	
E, C	J6K	984	

TB 6			
945	I7D	ø4U	
946	I7E	E, C	
947	I7J	ø4L	
948	I7K	E	
846	I8D	ø4U	
847	I8E	C	
848	I8J	ø4L	
849	I8K	C	
911	I9D	ø3U	
912	I9E	E, C	
931	I9J	ø3L	
932	I9K	E, C	
TB 7			
ø8U	J7D	985	
E, C	J7E	986	
ø8L	J7J	987	
E	J7K	988	
ø8U	J8D	886	
C	J8E	887	
ø8L	J8J	888	
C	J8K	889	
ø5U	J9D	951	
E, C	J9E	952	
ø7L	J9J	971	
E, C	J9K	972	

TB 9			
DC-	J13K	5AC3	<BB
		5BD3	<BB
EVA	J12D	5A2	-Y-
EVC	J12J	5C2	-Y-
DC+	J12E	5AC1	<O-
EVB	J13D	5B2	-Y-
EVD	J13J	5D2	-Y-
DC+	J13E	5BD1	<O-
RR	J14J	516	
DC-	J14K	517	

BB=BLUE & BARE

CENTRAL CONTROL UNIT CABINET WIRING



CENTRAL CONTROL UNIT AND FAIL-SAFE
INTERCONNECT BOARD CABINET WIRING

REVISIONS:

JOB NO.: 17499
DATE: 12-15-2021
SCALE: N.T.S.
DESIGNED BY: GTEng
DRAWN BY: GTEng CAD
CHECKED BY: DMB

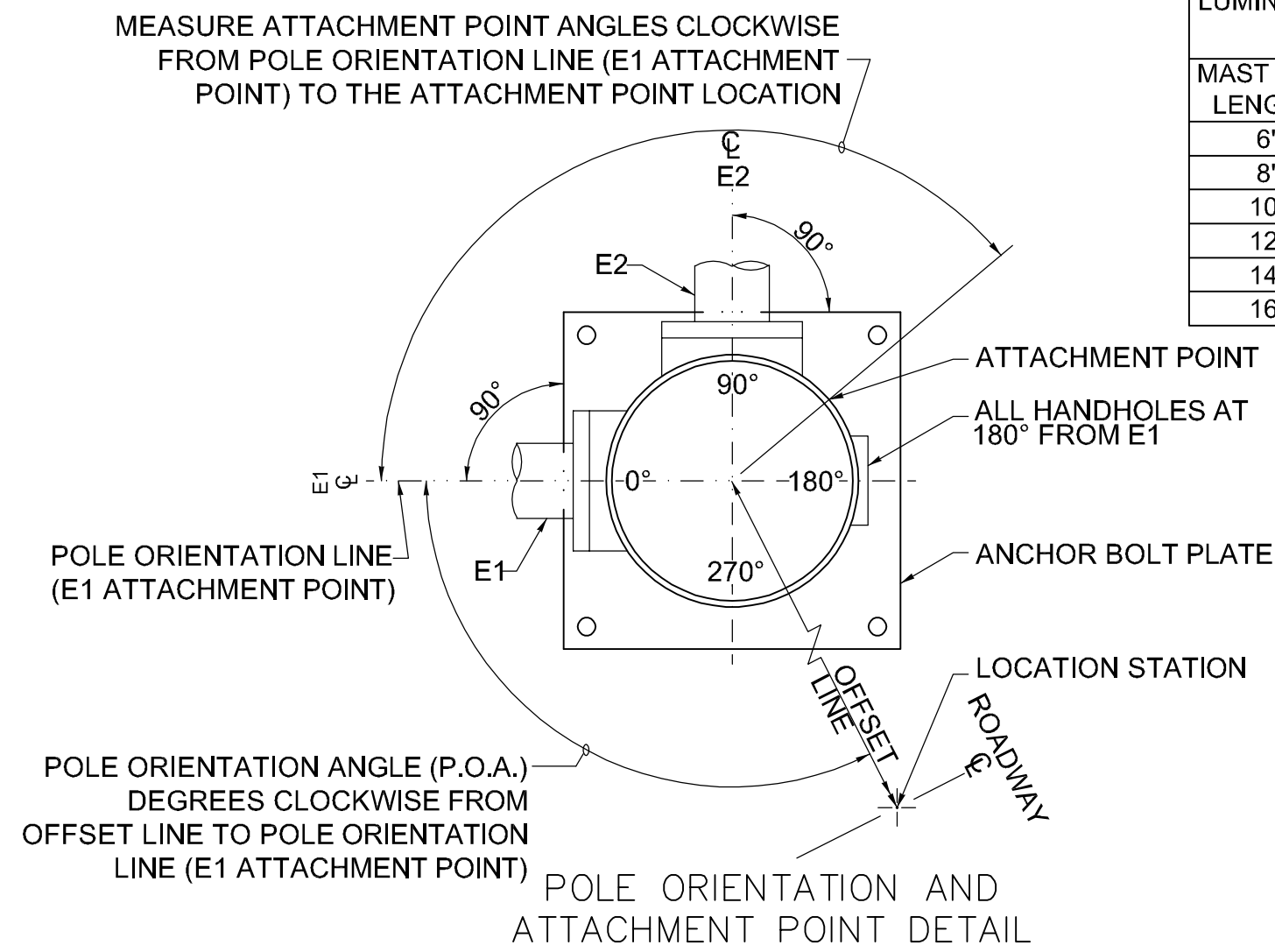
60% SUBMITTAL

TS26

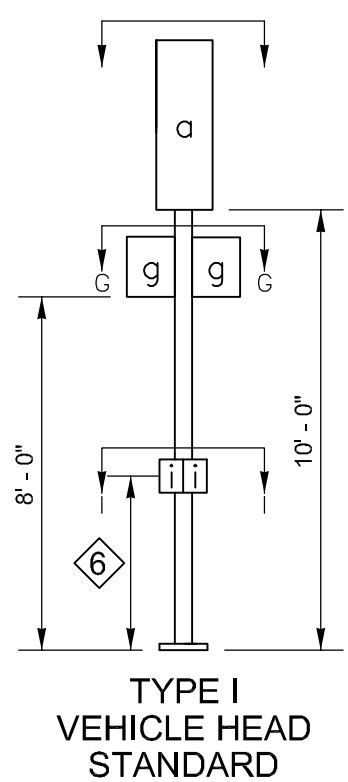
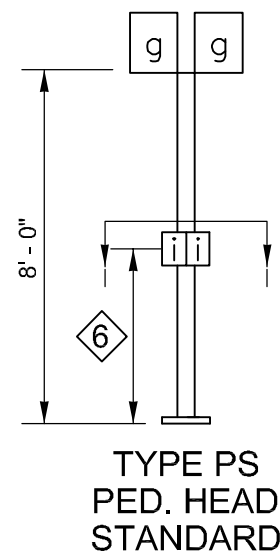
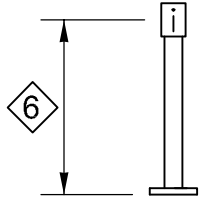
FILE: L:\GTE-PROJECTS\2020\20-014 (BATTLEGROUND SW EATON BLVD SR503 TO 20TH AV)\ACAD\TS27.DWG

LEGEND

- a. VEHICLE DISPLAY
b. MAST ARM SIGN
c. STREET NAME SIGN
d. PRE-EMPT DETECTOR/INDICATOR
e. POST MOUNTED SIGN
f. LUMINAIRE
g. PEDESTRIAN DISPLAY
h. CABINET
i. APS BUTTON
j. HANDHOLE
k. RADAR UNIT



NOTE:
TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTIONS: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45° INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR SINGLE PEDESTRIAN DISPLAY.



3'-6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON

STANDARD TYPE	POLE	STANDARD PLAN REFERENCES			ELECTRICAL
		FOUNDATION	STANDARD	CURB	
II, III, SD	FIXED	J-20.10	J-20.10	J-20.11	J-20.10
	BL BREAKAWAY	J-20.15	J-20.15	J-20.15	J-20.15
	PS	J-20.16	J-21.10	J-20.11	J-20.20
	I	J-21.15	J-21.10	J-21.10	J-21.20
	II, III, SD	N/A	J-26.10	J-26.15	N/A

LUMINAIRE MAST ARM X Y Z (ft)	
MAST ARM LENGTH	X Y Z (ft)
6'	19.8
8'	26.4
10'	33.0
12'	39.6
14'	46.2
16'	52.8

SIGNAL STANDARD IDENTIFICATION TAG DETAIL

EXAMPLE

STD. NO. XX----- SIGNAL STANDARD NO. ----- STD. NO. 02

SRXXX, MP XXX.XX----- STATE ROUTE AND MILE POST NO. ----- SR97, MP 069.09

MANUFACTURER----- MANUFACTURER APPROVED DWG. XXXXXX

FAB. X/XX/XXXX----- FABRICATION DATE ----- FAB. 6/14/2002

TAG NOTES:
CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS:
POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III). SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) - LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III). TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

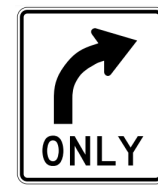
OVERHEAD SIGNS (SEE SHEET TS-22 FOR INSTALLATION LOCATIONS)



R3-5L
30"x36"
5



R3-4
30"x30"
6



R3-5R
30"x36"
#

503 SW 10TH AVE

D3-302 D3-401
46"x96" 18"x84"

7

SW EATON BLVD

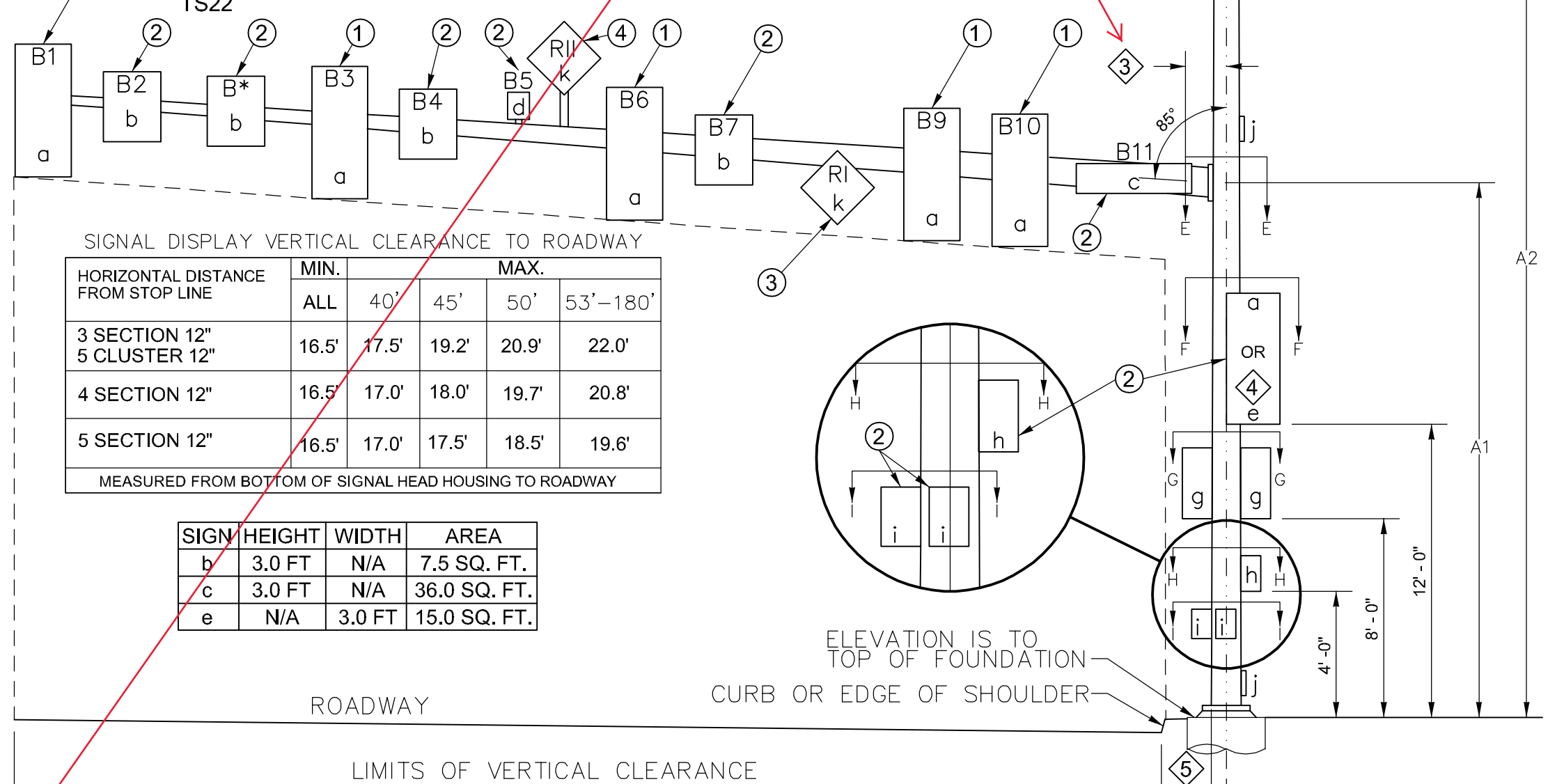
D3-302 D3-101
46"x96" 16"x72"

8

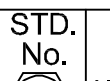
STREET NAME SIGN BACKGROUNDS SHALL BE BLUE, TYPE IV.
LEGEND SHALL BE WHITE, TYPE XI.
PREFIX AND SUFFIX SHALL BE 6" (6D) LETTERING
STREET NAME SHELL BE 8" (8D) LETTERING

NOTES

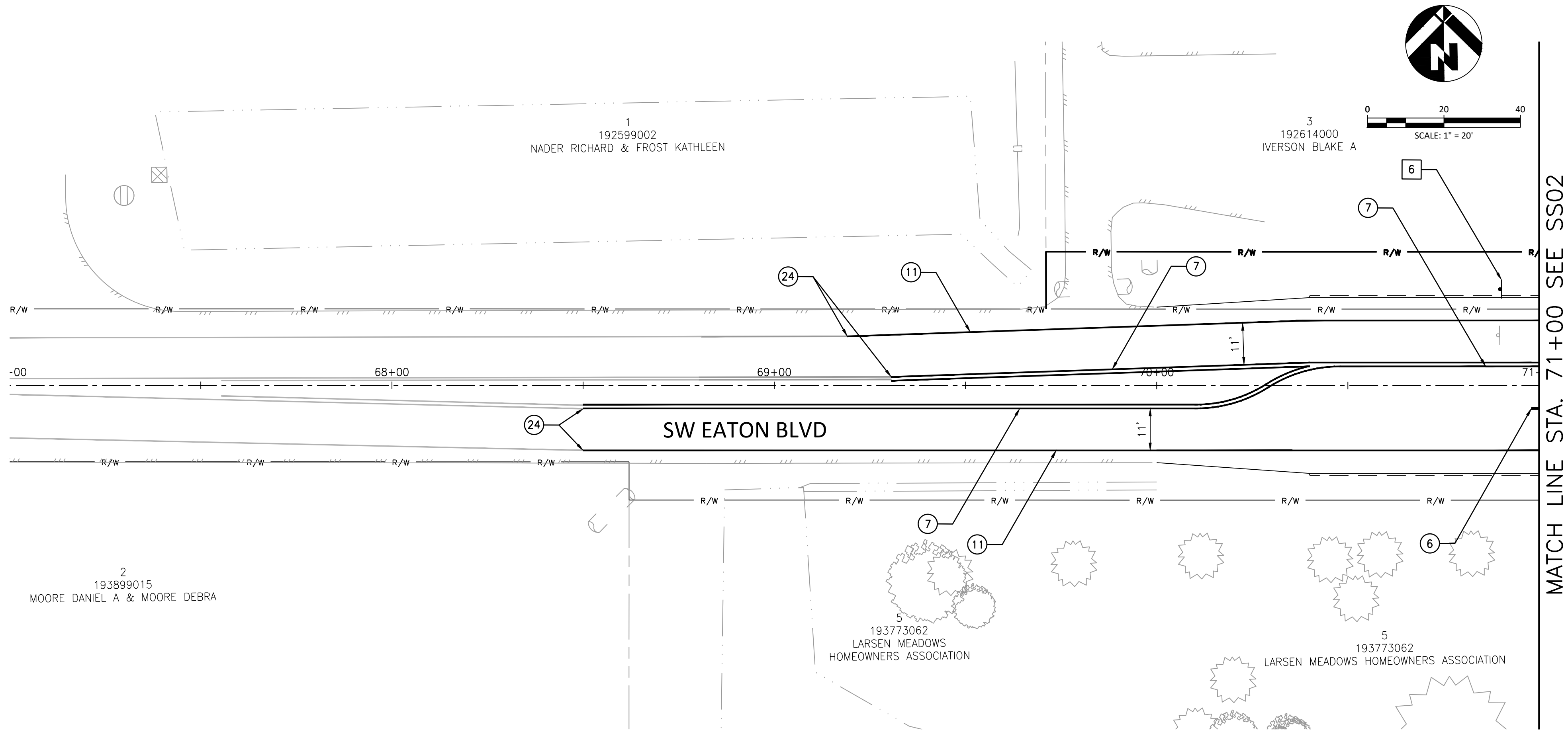
- MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART.
FOR TYPE N MOUNTS ONLY DRILL 1" DIA HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
- FIELD INSTALLED. SIGN SIZES SHALL NOT EXCEED THE MAXIMUM VALUES LISTED HERE (SEE SHEET IS-13 FROM WSDOT PLAN SHEET LIBRARY).
- STOP-BAR RADAR UNIT MAST ARM MOUNT SEE DETAIL ON SHEET TS24 UNITS R2, R4,R6, R8 AS SHOWN ON SHEET TS22
- ADVANCE RADAR UNIT MAST ARM MOUNT SEE DETAIL ON SHEET TS24 UNITS R2A, R4A,R6A, R8A AS SHOWN ON SHEET TS22



STANDARD DETAIL CHART

STANDARD DETAIL CHART																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
STD. No. 	SR NUMBER	SR MILE POST	FIELD LOCATION				POLE TYPE	MOUNTING HEIGHT(FT)	SIGNAL MAST ARM DATA																				LUMINAIRE ARM(FT)	CALCULATED POLE XYZ (FT³)	POLE ATTACHMENT POINT ANGLES (deg)										FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	FOUNDATION DEPTH (FT)					REMARKS*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			STATION	OFFSET	LT.	RT.			P.O.A.	OFFSET DISTANCES (FT)										(Z) (POLE C TO ATTACHMENT POINT)											WINDLOAD AREAS (FT²) (X)(Y)												ALTERNATE 1						ALTERNATE 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
										A1	A2	B1	B2	B*	B3	B4	B5	B11	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15			B16	B17	B18	B19	B20	B21	B22	B23	B24	B25			B26	B27	B28	B29	B30		B31	B32	B33	B34	B35	B36	B37	B38	B39	B40	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60	B61	B62	B63	B64	B65	B66	B67	B68	B69	B70	B71	B72	B73	B74	B75	B76	B77	B78	B79	B80	B81	B82	B83	B84	B85	B86	B87	B88	B89	B90	B91	B92	B93	B94	B95	B96	B97	B98	B99	B100	B101	B102	B103	B104	B105	B106	B107	B108	B109	B110	B111	B112	B113	B114	B115	B116	B117	B118	B119	B120	B121	B122	B123	B124	B125	B126	B127	B128	B129	B130	B131	B132	B133	B134	B135	B136	B137	B138	B139	B140	B141	B142	B143	B144	B145	B146	B147	B148	B149	B150	B151	B152	B153	B154	B155	B156	B157	B158	B159	B160	B161	B162	B163	B164	B165	B166	B167	B168	B169	B170	B171	B172	B173	B174	B175	B176	B177	B178	B179	B180	B181	B182	B183	B184	B185	B186	B187	B188	B189	B190	B191	B192	B193	B194	B195	B196	B197	B198	B199	B200	B201	B202	B203	B204	B205	B206	B207	B208	B209	B210	B211	B212	B213	B214	B215	B216	B217	B218	B219	B220	B221	B222	B223	B224	B225	B226	B227	B228	B229	B230	B231	B232	B233	B234	B235	B236	B237	B238	B239	B240	B241	B242	B243	B244	B245	B246	B247	B248	B249	B250	B251	B252	B253	B254	B255	B256	B257	B258	B259	B260	B261	B262	B263	B264	B265	B266	B267	B268	B269	B270	B271	B272	B273	B274	B275	B276	B277	B278	B279	B280	B281	B282	B283	B284	B285	B286	B287	B288	B289	B290	B291	B292	B293	B294	B295	B296	B297	B298	B299	B300	B301	B302	B303	B304	B305	B306	B307	B308	B309	B310	B311	B312	B313	B314	B315	B316	B317	B318	B319	B320	B321	B322	B323	B324	B325	B326	B327	B328	B329	B330	B331	B332	B333	B334	B335	B336	B337	B338	B339	B340	B341	B342	B343	B344	B345	B346	B347	B348	B349	B350	B351	B352	B353	B354	B355	B356	B357	B358	B359	B360	B361	B362	B363	B364	B365	B366	B367	B368	B369	B370	B371	B372	B373	B374	B375	B376	B377	B378	B379	B380	B381	B382	B383	B384	B385	B386	B387	B388	B389	B390	B391	B392	B393	B394	B395	B396	B397	B398	B399	B400	B401	B402	B403	B404	B405	B406	B407	B408	B409	B410	B411	B412	B413	B414	B415	B416	B417	B418	B419	B420	B421	B422	B423	B424	B425	B426	B427	B428	B429	B430	B431	B432	B433	B434	B435	B436	B437	B438	B439	B440	B441	B442	B443	B444	B445	B446	B447	B448	B449	B450	B451	B452	B453	B454	B455	B456	B457	B458	B459	B460	B461	B462	B463	B464	B465	B466	B467	B468	B469	B470	B471	B472	B473	B474	B475	B476	B477	B478	B479	B480	B481	B482	B483	B484	B485	B486	B487	B488	B489	B490	B491	B492	B493	B494	B495	B496	B497	B498	B499	B500	B501	B502	B503	B504	B505	B506	B507	B508	B509	B510	B511	B512	B513	B514	B515	B516	B517	B518	B519	B520	B521	B522	B523	B524	B525	B526	B527	B528	B529	B530	B531	B532	B533	B534	B535	B536	B537	B538	B539	B540	B541	B542	B543	B544	B545	B546	B547	B548	B549	B550	B551	B552	B553	B554	B555	B556	B557	B558	B559	B560	B561	B562	B563	B564	B565	B566	B567	B568	B569	B570	B571	B572	B573	B574	B575	B576	B577	B578	B579	B580	B581	B582	B583	B584	B585	B586	B587	B588	B589	B590	B591	B592	B593	B594	B595	B596	B597	B598	B599	B600	B601	B602	B603	B604	B605	B606	B607	B608	B609	B610	B611	B612	B613	B614	B615	B616	B617	B618	B619	B620	B621	B622	B623	B624	B625	B626	B627	B628	B629	B630	B631	B632	B633	B634	B635	B636	B637	B638	B639	B640	B641	B642	B643	B644	B645	B646	B647	B648	B649	B650	B651	B652	B653	B654	B655	B656	B657	B658	B659	B660	B661	B662	B663	B664	B665	B666	B667	B668	B669	B670	B671	B672	B673	B674	B675	B676	B677	B678	B679	B680	B681	B682	B683	B684	B685	B686	B687	B688	B689	B690	B691	B692	B693	B694	B695	B696	B697	B698	B699	B700	B701	B702	B703	B704	B705	B706	B707	B708	B709	B710	B711	B712	B713	B714	B715	B716	B717	B718	B719	B720	B721	B722	B723	B724	B725	B726	B727	B728	B729	B730	B731	B732	B733	B734	B735	B736	B737	B738	B739	B740	B741	B742	B743	B744	B745	B746	B747	B748	B749	B750	B751	B752	B753	B754	B755	B756	B757	B758	B759	B760	B761	B762	B763	B764	B765	B766	B767	B768	B769	B770	B771	B772	B773	B774	B775	B776	B777	B778	B779	B780	B781	B782	B783	B784	B785	B786	B787	B788	B789	B790	B791	B792	B793	B794	B795	B796	B797	B798	B799	B800	B801	B802	B803	B804	B805	B806	B807	B808	B809	B810	B811	B812	B813	B814	B815	B816	B817	B818	B819	B820	B821	B822	B823	B824	B825	B826	B827	B828	B829	B830	B831	B832	B833	B834	B835	B836	B837	B838	B839	B840	B841	B842	B843	B844	B845	B846	B847	B848	B849	B850	B851	B852	B853	B854	B855	B856	B857	B858	B859	B860	B861	B862	B863	B864	B865	B866	B867	B868	B869	B870	B871	B872	B873	B874	B875	B876	B877	B878	B879	B880	B881	B882	B883	B884	B885	B886	B887	B888	B889	B890	B891	B892	B893	B894	B895	B896	B897	B898	B899	B900	B901	B902	B903	B904	B905	B906	B907	B908	B909	B910	B911	B912	B913	B914	B915	B916	B917	B918	B919	B920	B921	B922	B923	B924	B925	B926	B927	B928	B929	B930	B931	B932	B933	B934	B935	B936	B937	B938	B939	B940	B941	B942	B943	B944	B945	B946	B947	B948	B949	B950	B951	B952	B953	B954	B955	B956	B957	B958	B959	B960	B961	B962	B963	B964	B965	B966	B967	B968	B969	B970	B971	B972	B973	B974	B975	B976	B977	B978	B979	B980	B981	B982	B983	B984	B985	B986	B987	B988	B989	B990	B991	B992	B993	B994	B995	B996	B997	B998	B999	B1000	B1001	B1002	B1003	B1004	B1005	B1006	B1007	B1008	B1009	B1010	B1011	B1012	B1013	B1014	B1015	B1016	B1017	B1018	B1019	B1020	B1021	B1022	B1023	B1024	B1025	B1026	B1027	B1028	B1029	B1030	B1031	B1032	B1033	B1034	B1035	B1036	B1037	B1038	B1039	B1040	B1041	B1042	B1043	B1044	B1045	B1046	B1047	B1048	B1049	B1050	B1051	B1052	B1053	B1054	B1055	B1056	B1057	B1058	B1059	B1060	B1061	B1062	B1063	B1064	B1065	B1066	B1067	B1068	B1069	B1070	B1071	B1072	B1073	B1074	B1075	B1076	B1077	B1078	B1079	B1080	B1081	B1082	B1083	B1084	B1085	B1086	B1087	B1088	B1089	B1090	B1091	B1092	B1093	B1094	B1095	B1096	B1097	B1098	B1099	B1100	B1101	B1102	B1103	B1104	B1105	B1106	B1107	B1108	B1109	B1110	B1111	B1112	B1113	B1114	B1115	B1116	B1117	B1118	B1119	B1120	B1121	B1122	B1123	B1124	B1125	B1126	B1127	B1128	B1129	B1130	B1131	B1132	B1133	B1134	B1135	B1136	B1137	B1138	B1139	B1140	B1141	B1142	B1143	B1144	B1145	B1146	B1147	B1148	B1149	B1150	B1151	B1152	B1153	B1154	B1155	B1156	B1157	B1158	B1159	B1160	B1161	B1162	B1163	B1164	B1165	B1166	B1167	B1168	B1169	B1170	B1171	B1172	B1173	B1174	B1175	B1176	B1177	B1178	B1179	B1180	B1181	B1182	B1183	B1184	B1185	B1186	B1187	B1188	B1189	B1190	B1191	B1192	B1193	B1194	B1195	B1196	B1197	B1198	B1199	B1200	B1201	B1202	B1203	B1204	B1205	B1206	B1207	B1208	B1209	B1210	B1211	B1212	B1213	B1214	B1215	B1216	B1217	B1218	B1219	B1220	B1221	B1222	B1223	B1224	B1225	B1226	B1227	B1228	B1229	B1230	B1231	B1232	B1233	B1234	B1235	B1236	B1237	B1238	B1239	B1240	B1241	B1242	B1243	B1244	B1245	B1246	B1247	B1248	B1249	B1250	B1251	B1252	B1253	B1254	B1255	B1256	B1257	B1258	B1259	B1260	B1261	B1262	B1263	B1264	B1265	B1266	B1267	B1268	B1269	B1270	B1271	B1272	B1273	B1274	B1275	B1276	B1277	B1278	B1279	B1280	B1281	B1282	B1283	B1284	B1285	B1286	B1287	B1288	B1289	B1290	B1291	B1292	B1293	B1294	B1295	B1296	B1297	B1298	B1299	B1300	B1301	B1302	B1303	B1304	B1305	B1306	B1307	B1308	B1309	B1310	B1311	B1312	B1313	B1314	B1315	B1316	B1317	B1318	B1319	B1320	B1321	B1322	B1323	B1324	B1325	B1326	B1327	B1328	B1329	B1330	B1331	B1332	B1333	B1334	B1335	B1336	B1337	B1338	B1339	B1340	B1341	B1342	B1343	B1344	B1345	B1346	B1347	B1348	B1349	B1350	B1351	B1352	B1353	B1354	B1355	B1356	B1357	B1358	B1359	B1360	B1361	B1362	B1363	B1364	B1365	B1366	B1367	B1368	B1369	B1370	B1371	B1372	B1373	B1374	B1375	B1376	B1377	B1378	B1379	B1380	B1381	B1382	B1383	B1384	B1385	B1386	B1387	B1388	B1389	B1390	B1391	B1392	B1393	B1394	B1395	B1396	B1397	B1398	B1399	B1400	B1401	B1402	B1403	B1404	B1405	B1406	B1407	B1408	B1409	B1410	B1411	B1412	B1413	B1414	B1415	B1416	B1417	B1418	B1419	B1420	B1421	B1422	B1423	B1424	B1425	B1426	B1427	B1428	B1429	B1430	B1431	B1432	B1433	B1434	B1435	B1436	B1437	B1438	B1439	B1440

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS01_SS05_SIGNING AND STRIPING.DWG



STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

1. INSTALL STOP BAR, 2'. SEE DETAIL TR-8.01
2. INSTALL LADDER STRIPE CROSSWALK, 2'. SEE DETAIL TR-8.01
3. INSTALL 8" WHITE BIKE LANE LINE. SEE DETAIL TR-8.02
4. INSTALL BICYCLE LANE MARKING. SEE DETAIL TR-8.02
5. INSTALL TWO-WAY LEFT TURN LANE MARKINGS. SEE DETAIL TR-8.04
6. INSTALL 8" WHITE LINE. SEE DETAIL TR-8.05
7. INSTALL 4" DOUBLE YELLOW CENTERLINE. SEE DETAIL TR-8.08
8. INSTALL 4" YELLOW AND DEFLECTORS. SEE DETAIL TR-8.05
9. INSTALL WHITE TURN LANE ARROW. SEE DETAIL TR-8.06
10. INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
11. INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
24. CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST
EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD
DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT
SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

1. INSTALL TYPE III BARRICADE. SEE DETAIL TR-7.04
2. INSTALL MEDIAN SIGNING. SEE DETAIL TR-7.08
3. INSTALL NO PARKING SIGN. SEE DETAIL TR-7.12
4. INSTALL STREET NAME SIGN. SEE DETAIL TR-7.01
5. RELOCATE EXISTING R2-1 (35) SPEED LIMIT SIGN.
6. RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
7. NOT USED
8. INSTALL R3-5R LANE CONTROL SIGN.
9. INSTALL R3-7R LANE CONTROL SIGN.
10. NOT USED
11. INSTALL W4-2R RIGHT LANE ENDS SIGN.
12. RELOCATE EXISTING SCHOOL AHEAD SIGN.
13. SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

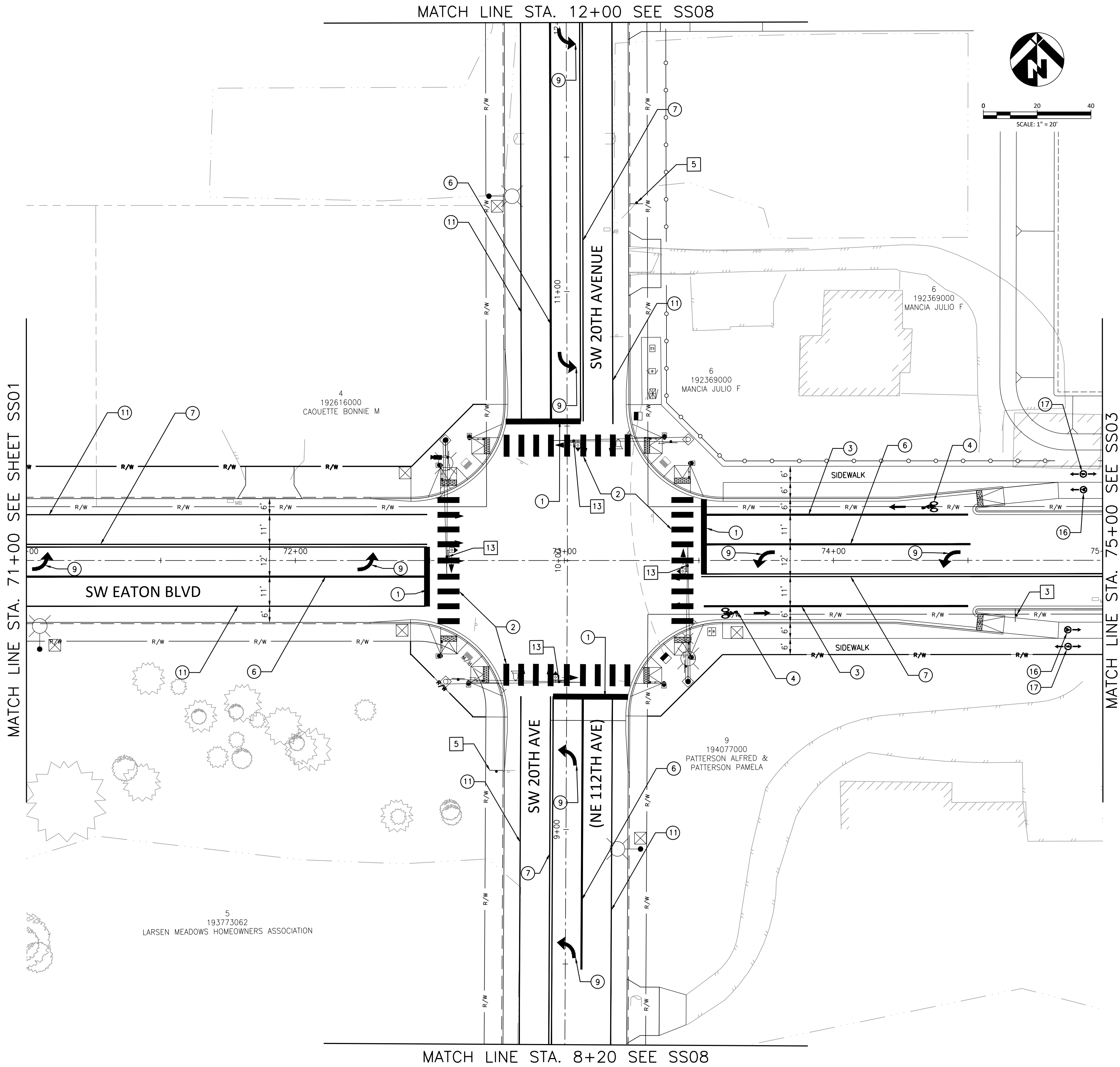


REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

60% SUBMITTAL

SS01

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS01_SS05_SIGNING AND STRIPING.DWG



STRIPING GENERAL NOTES

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- 8 INSTALL 4" YELLOW AND DEFLECTORS. SEE DETAIL TR-8.05
- 9 INSTALL WHITE TURN LANE ARROW. SEE DETAIL TR-8.06
- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST
EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD
DETAILS

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- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

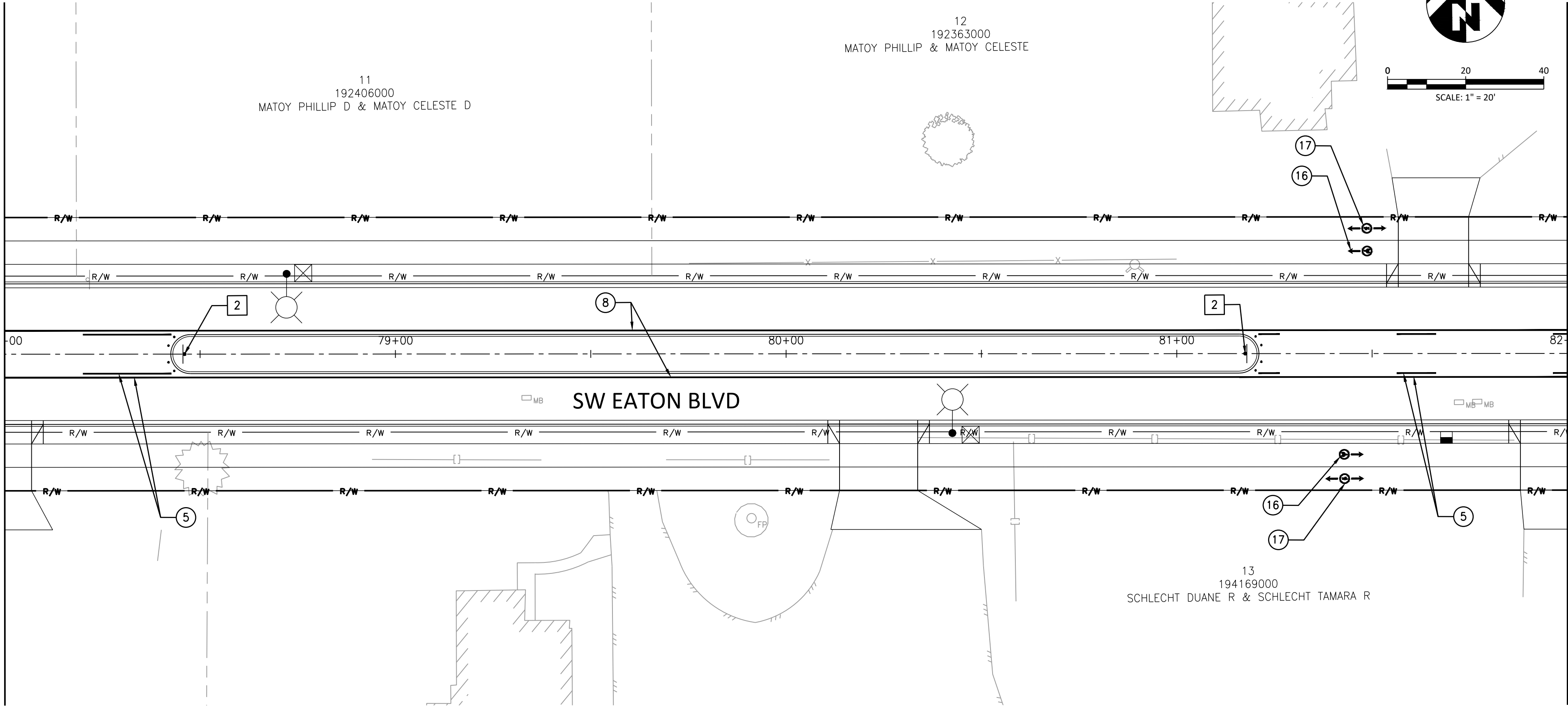
60% SUBMITTAL

SS02

NO. 82 OF X

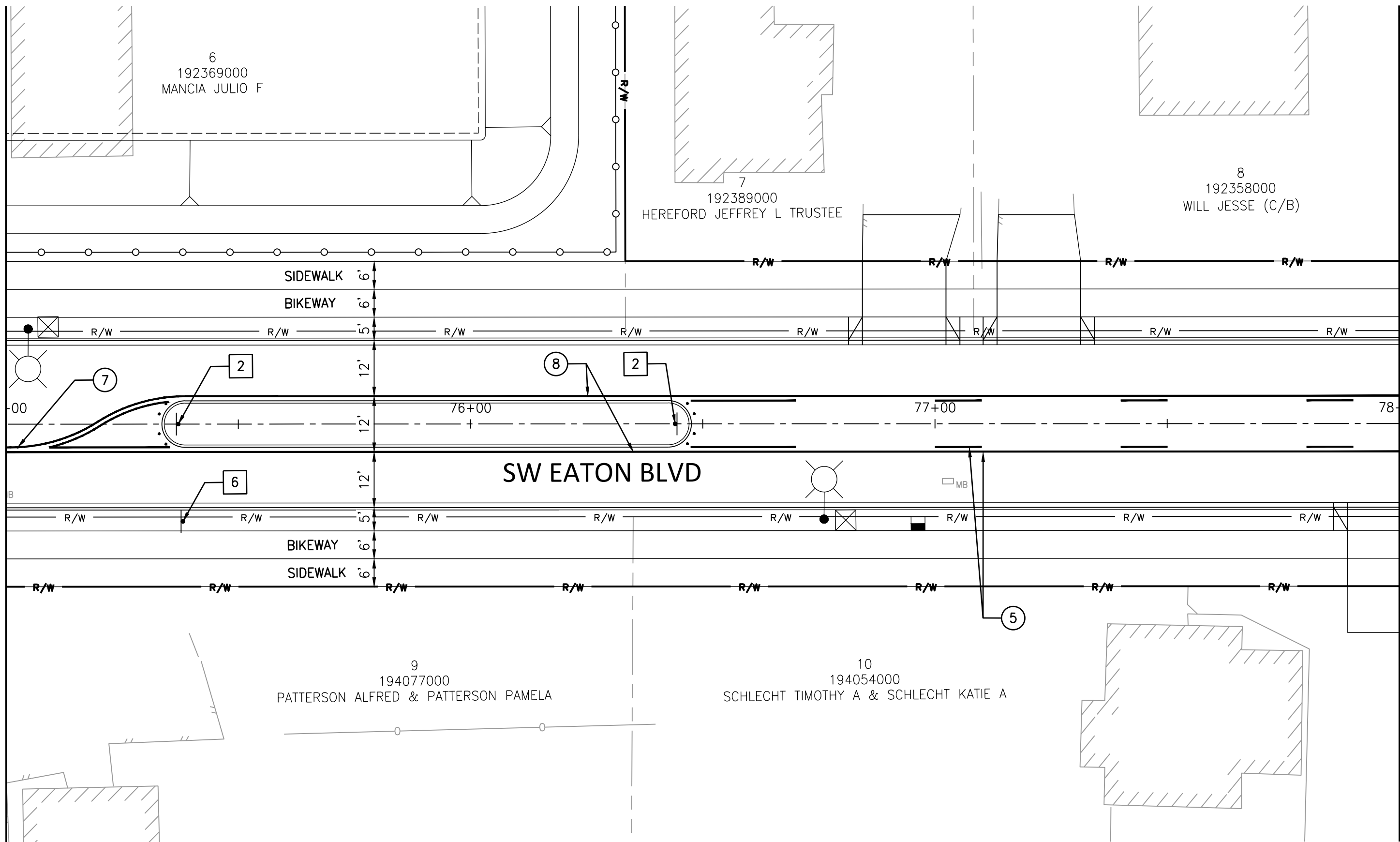
FILE: W:\17499 EATON\500 DRAWINGS\502 DRAWINGS\SHEETS\17499_SS05_SIGNING AND STRIPING.DWG

MATCH LINE STA. 78+00 SEE ABOVE RIGHT



MATCH LINE STA. 82+00 SEE SHEET SS04

MATCH LINE STA. 75+00 SEE SHEET SS02



MATCH LINE STA. 78+00 SEE BELOW LEFT

STRIPING GENERAL NOTES

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SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

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ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

- 1 INSTALL TYPE III BARRICADE. SEE DETAIL TR-7.04
- 2 INSTALL MEDIAN SIGNING. SEE DETAIL TR-7.08
- 3 INSTALL NO PARKING SIGN. SEE DETAIL TR-7.12
- 4 INSTALL STREET NAME SIGN. SEE DETAIL TR-7.01
- 5 RELOCATE EXISTING R2-1 (35) SPEED LIMIT SIGN.
- 6 RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

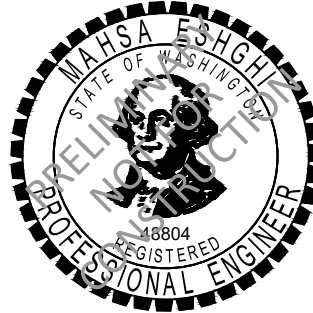
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SS03

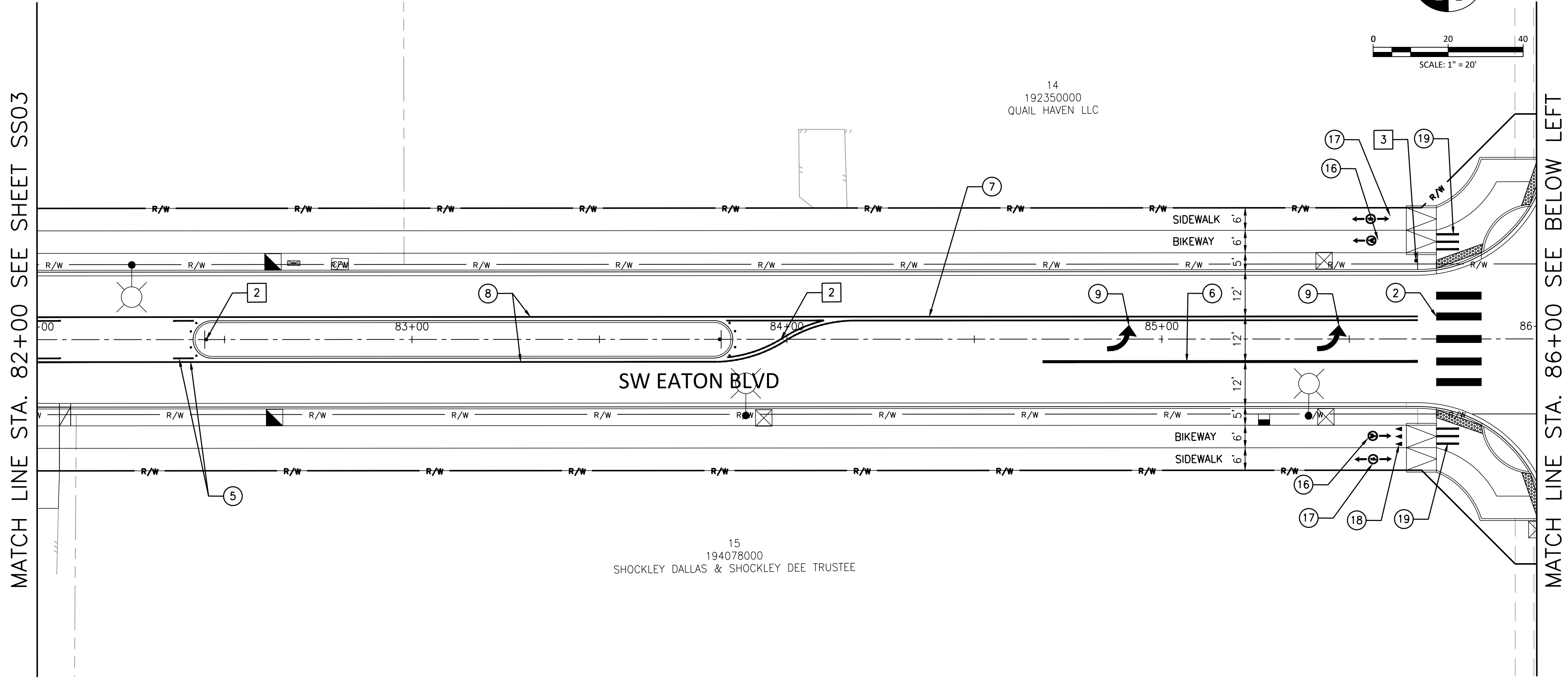
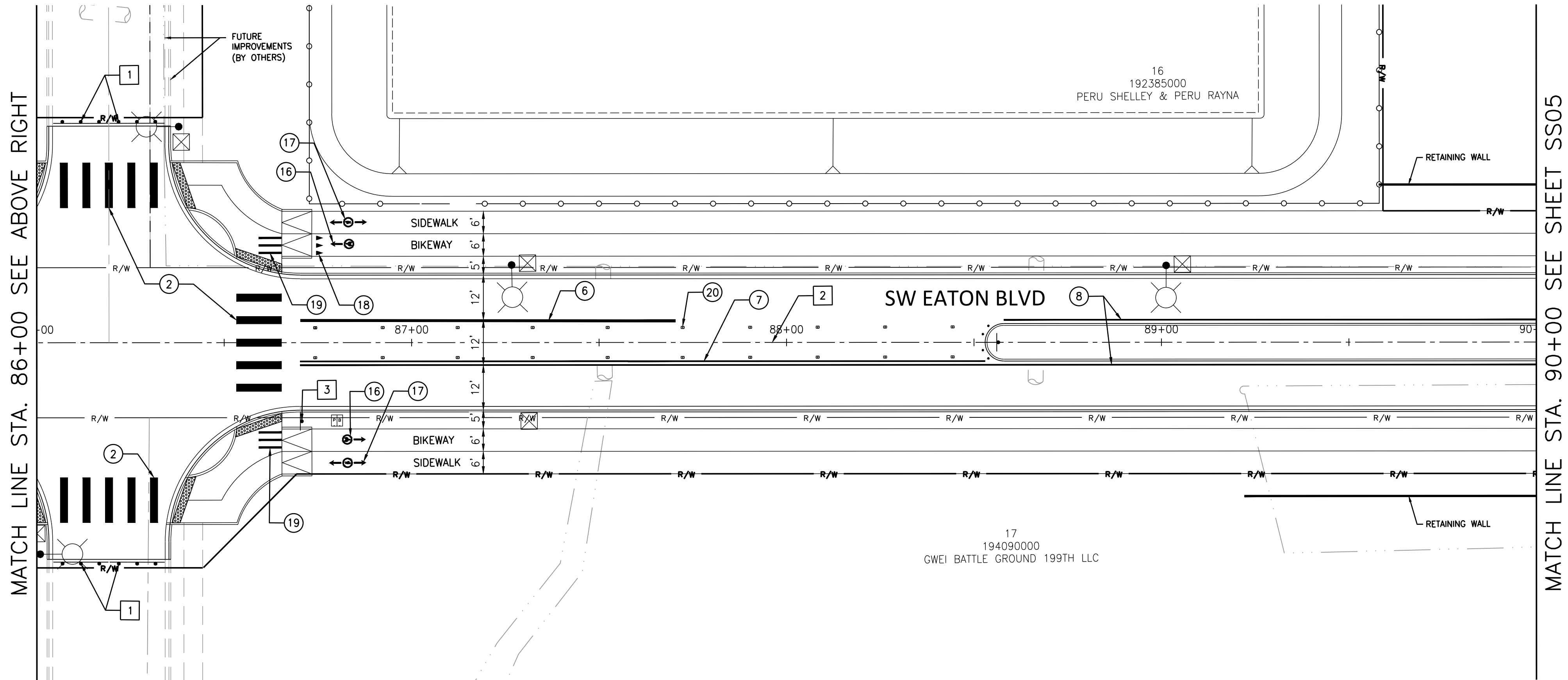
NO. 83 OF X



MacKay Sposito
ENERGY PUBLIC WORKS LAND DEVELOPMENT
www.mackaysposito.com



FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS05_SIGNING AND STRIPING.DWG



STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

- 1 INSTALL STOP BAR, 2'. SEE DETAIL TR-8.01
- 2 INSTALL LADDER STRIPE CROSSWALK, 2'. SEE DETAIL TR-8.01
- 3 INSTALL 8" WHITE BIKE LANE LINE. SEE DETAIL TR-8.02
- 4 INSTALL BICYCLE LANE MARKING. SEE DETAIL TR-8.02
- 5 INSTALL TWO-WAY LEFT TURN LANE MARKINGS. SEE DETAIL TR-8.04
- 6 INSTALL 8" WHITE LINE. SEE DETAIL TR-8.05
- 7 INSTALL 4" DOUBLE YELLOW CENTERLINE. SEE DETAIL TR-8.08
- 8 INSTALL 4" YELLOW AND DEFLECTORS. SEE DETAIL TR-8.05
- 9 INSTALL WHITE TURN LANE ARROW. SEE DETAIL TR-8.06
- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST
EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD
DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT
SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

- 1 INSTALL TYPE III BARRICADE. SEE DETAIL TR-7.04
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- 3 INSTALL NO PARKING SIGN. SEE DETAIL TR-7.12
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- 5 RELOCATE EXISTING R2-1 (35) SPEED LIMIT SIGN.
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SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
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DRAWN BY:	PM/AS
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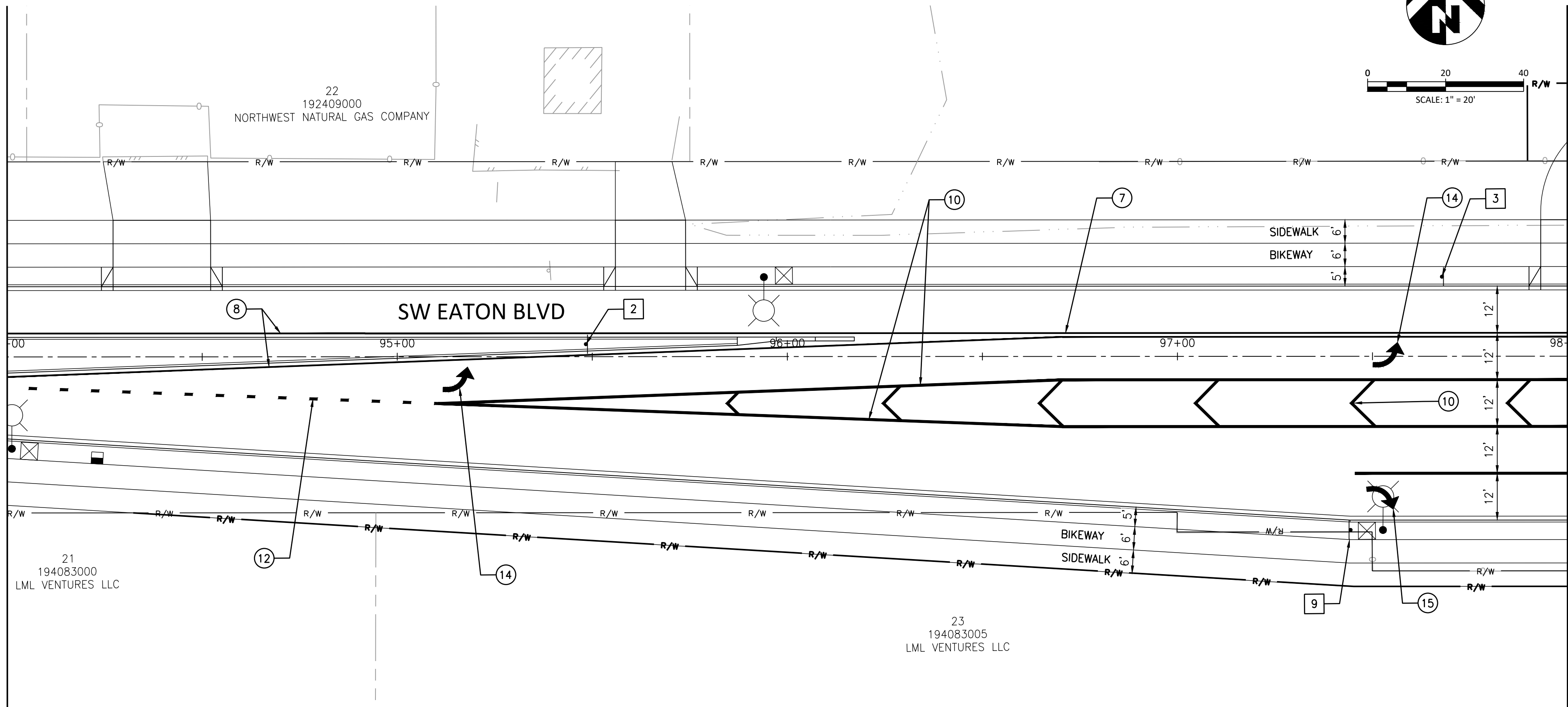
60% SUBMITTAL

SS04

NO. 84 OF X

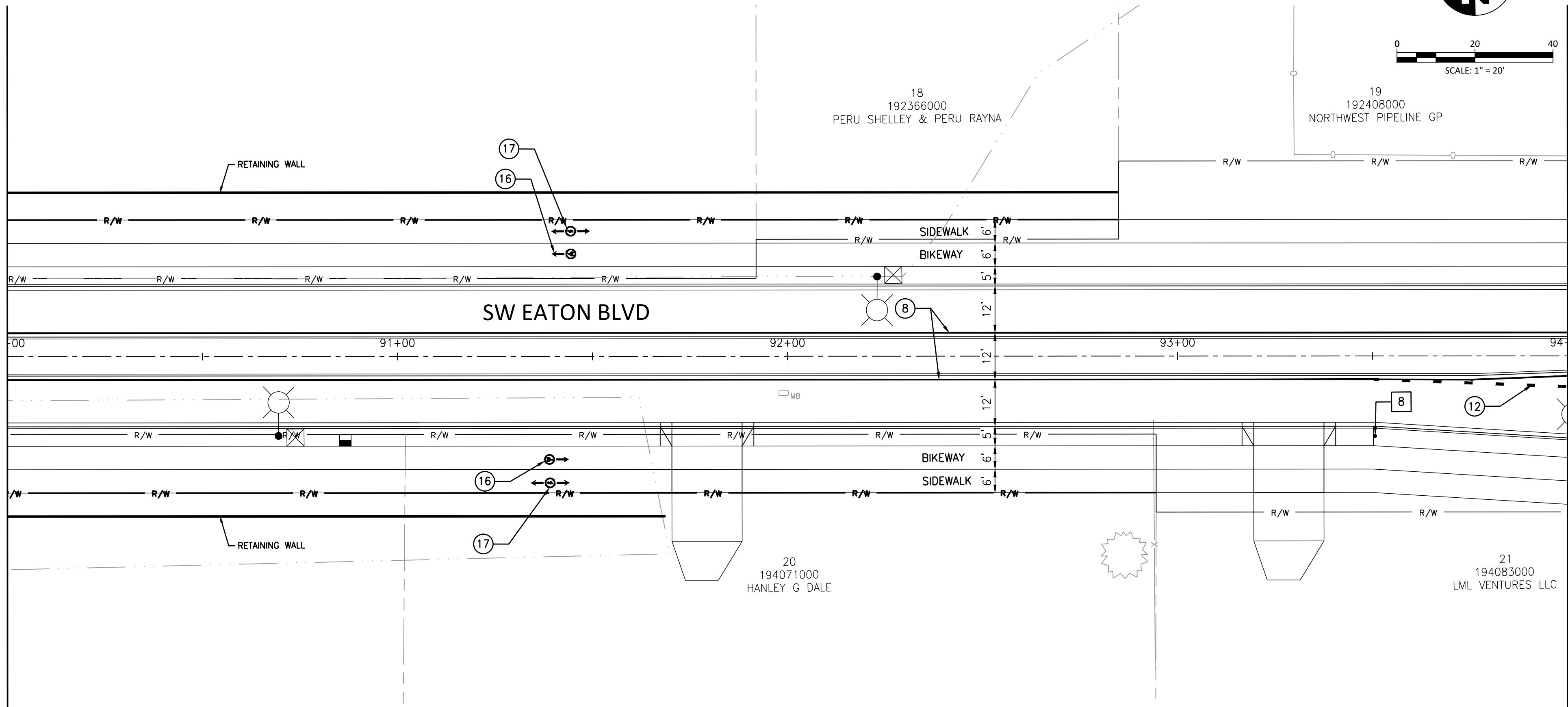


MATCH LINE STA. 94+00 SEE ABOVE RIGHT



MATCH LINE STA. 98+00 SEE SHEET SS06

MATCH LINE STA. 90+00 SEE SHEET SS04



MATCH LINE STA. 94+00 SEE BELOW LEFT

STRIPING GENERAL NOTES

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SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

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- 3 INSTALL 8" WHITE BIKE LANE LINE. SEE DETAIL TR-8.02
- 4 INSTALL BICYCLE LANE MARKING. SEE DETAIL TR-8.02
- 5 INSTALL TWO-WAY LEFT TURN LANE MARKINGS. SEE DETAIL TR-8.04
- 6 INSTALL 8" WHITE LINE. SEE DETAIL TR-8.05
- 7 INSTALL 4" DOUBLE YELLOW CENTERLINE. SEE DETAIL TR-8.08
- 8 INSTALL 4" YELLOW AND DEFLECTORS. SEE DETAIL TR-8.05
- 9 INSTALL WHITE TURN LANE ARROW. SEE DETAIL TR-8.06
- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0

SIGNING NOTES

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- 9 INSTALL R3-7R LANE CONTROL SIGN.
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- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:

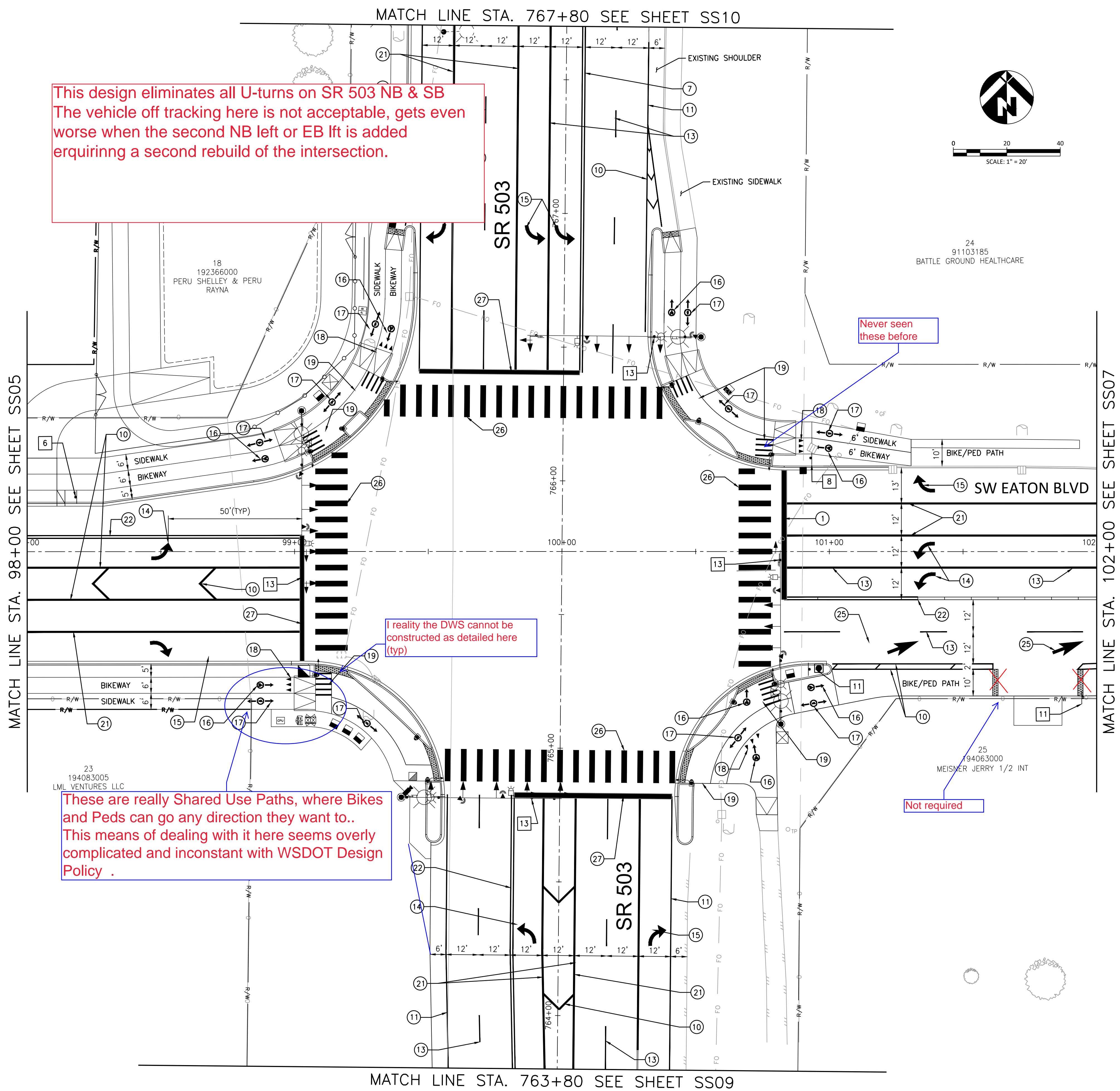
JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

60% SUBMITTAL

SS05

NO. 85 OF X





STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0
- 20 INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST. SEE M-40.10-03
- 21 INSTALL WHITE WIDE LANE LINE. SEE M-3.50-03 AND M-20.10-03
- 22 INSTALL DOUBLE CENTERLINE YELLOW. SEE M-20.10-03
- 23 INSTALL YELLOW EDGE LINE AND TYPE 2Y RPM. SEE M-20.30-04
- 24 CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT
- 25 INSTALL TYPE 6L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 26 INSTALL 24" WHITE CROSSWALK LINES. SEE M-15.10-01
- 27 INSTALL 12" WHITE STOP LINE LINE. SEE M-15.10-01

SIGNING NOTES

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SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

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- 6 RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

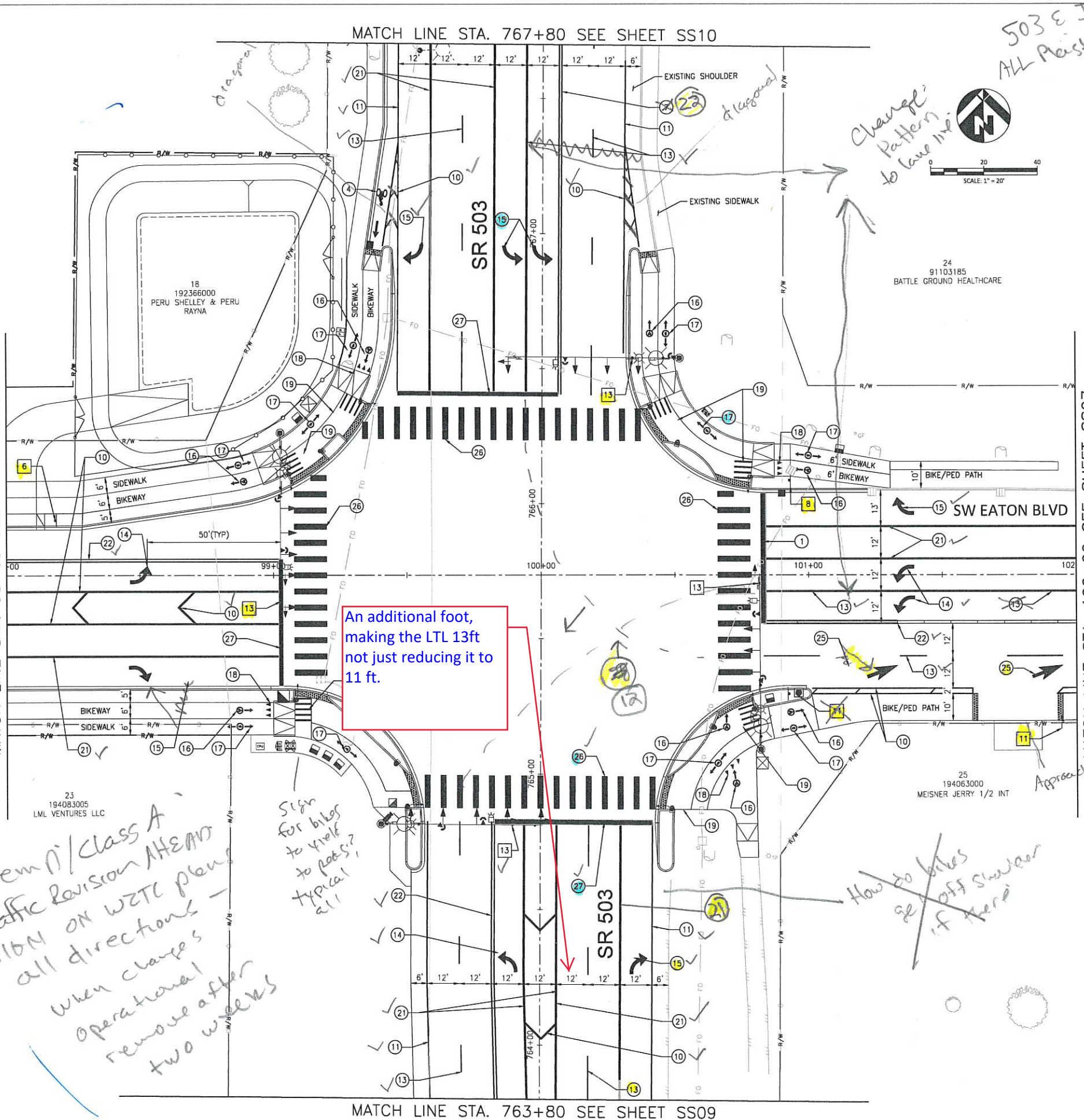
SIGNING AND STRIPING PLAN

REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

60% SUBMITTAL

SS06

MATCH LINE STA. 98+00 SEE SHEET SS05



An additional foot, making the LTL 13ft not just reducing it to 11 ft.

STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND. ALL MARKINGS SHALL BE THERMOPLASTIC. SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS.

STRIPING NOTES

- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0
- 20 INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST. SEE M-40.10-03
- 21 INSTALL WHITE WIDE LANE LINE. SEE M-3.50-03 AND M-20.10-03
- 22 INSTALL DOUBLE CENTERLINE YELLOW. SEE M-20.10-03
- 23 INSTALL YELLOW EDGE LINE AND TYPE 2Y RPM. SEE M-20.30-04
- 24 CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT
- 25 INSTALL TYPE 6L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 26 INSTALL 24" WHITE CROSSWALK LINES. SEE M-15.10-01
- 27 INSTALL 12" WHITE STOP LINE LINE. SEE M-15.10-01
- 28 4" white dotted extension from M-20.10

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION AND CURRENT CITY TRANSPORTATION STANDARDS.

SEE SHEET SS11 FOR SIGN LEGEND. SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS.

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT SUPPORTS PER DETAILS TR-7.00 AND TR-7.02.

- 6 RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS ✓

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

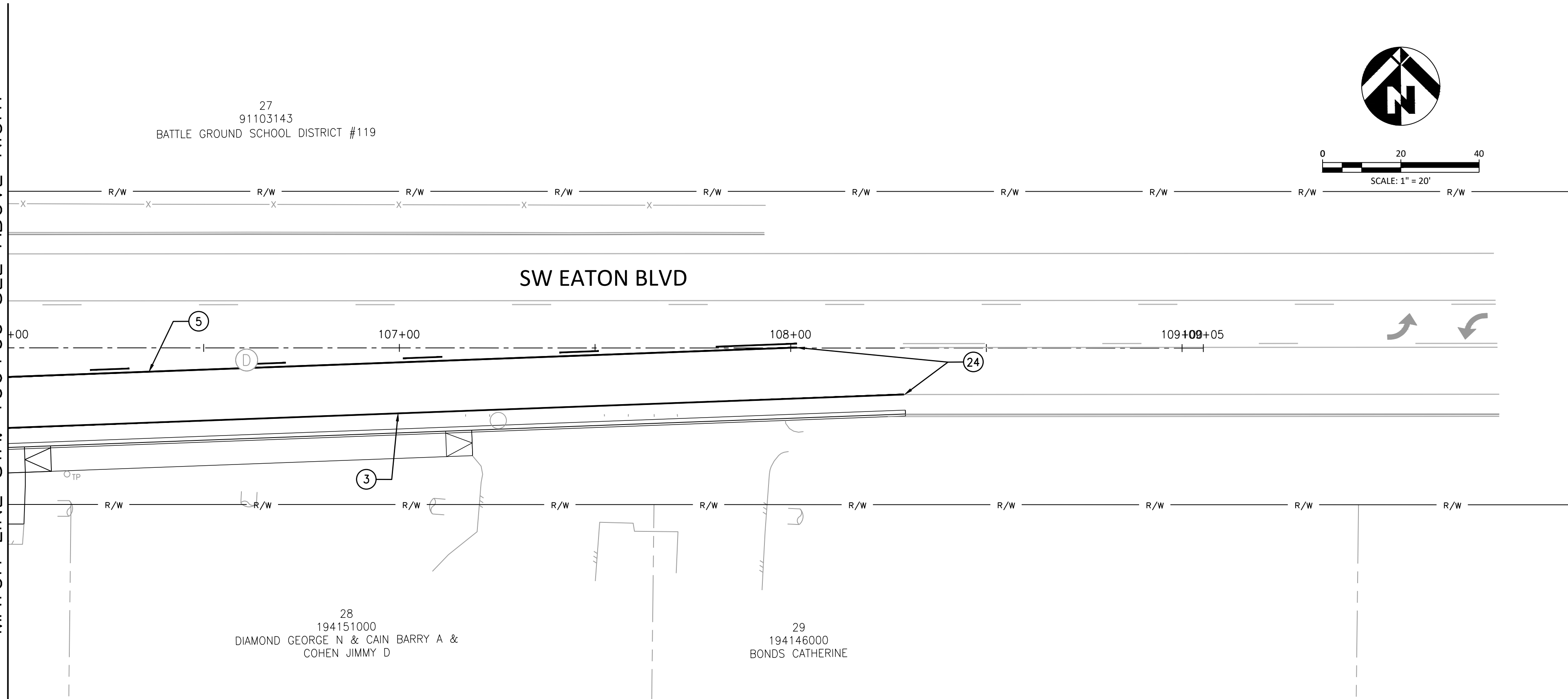
60% SUBMITTAL

SS06

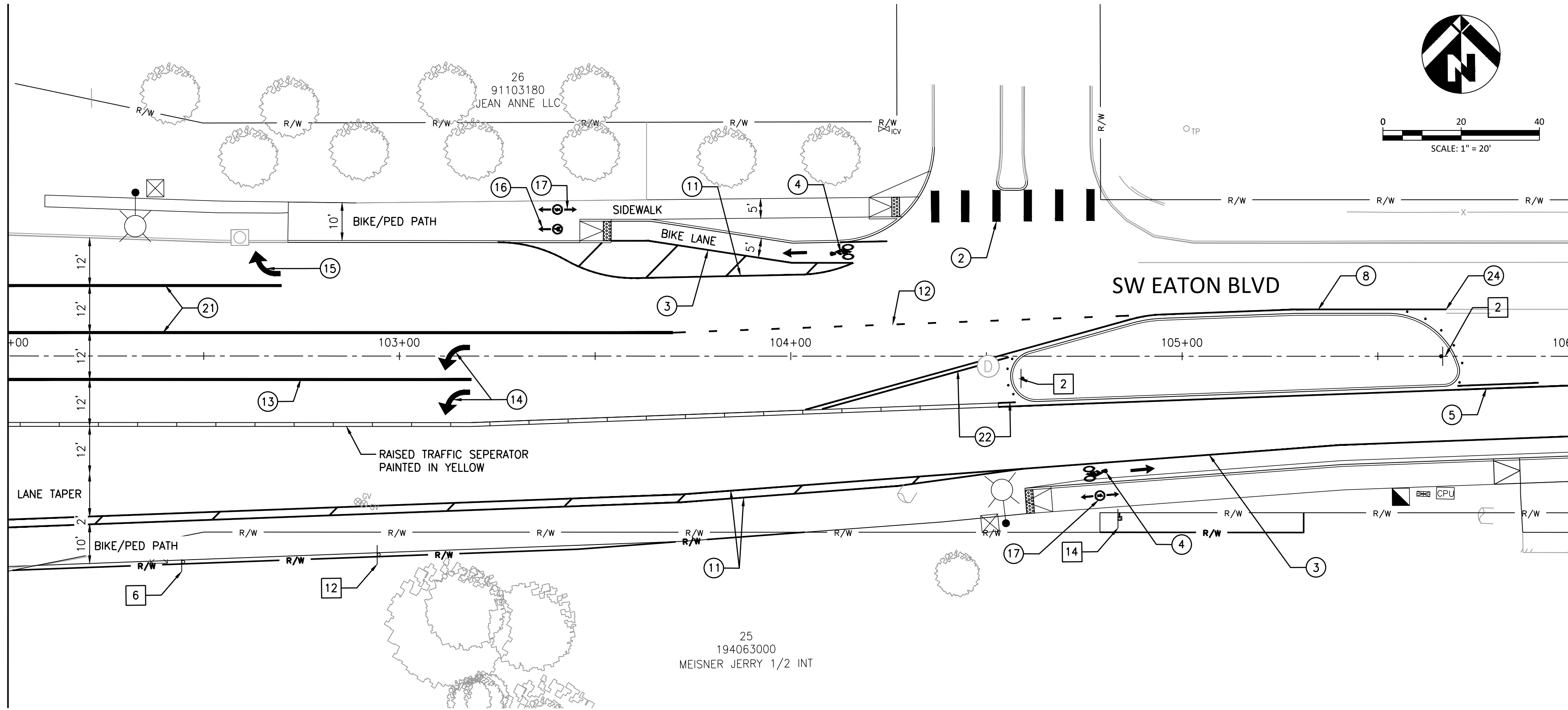
NO. 86 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS10_SIGNING AND STRIPING.DWG

MATCH LINE STA. 106+00 SEE ABOVE RIGHT



MATCH LINE STA. 102+00 SEE SHEET SS06



STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

- 2 INSTALL LADDER STRIPE CROSSWALK, 2'. SEE DETAIL TR-8.01
- 3 INSTALL 8" WHITE BIKE LANE LINE. SEE DETAIL TR-8.02
- 4 INSTALL BICYCLE LANE MARKING. SEE DETAIL TR-8.02
- 5 INSTALL TWO-WAY LEFT TURN LANE MARKINGS. SEE DETAIL TR-8.04
- 6 INSTALL 8" WHITE LINE. SEE DETAIL TR-8.05
- 7 INSTALL 4" DOUBLE YELLOW CENTERLINE. SEE DETAIL TR-8.08
- 8 INSTALL 4" YELLOW AND DEFLECTORS. SEE DETAIL TR-8.05
- 9 INSTALL WHITE TURN LANE ARROW. SEE DETAIL TR-8.06
- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0
- 20 INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST. SEE M-40.10-03
- 21 INSTALL WHITE WIDE LANE LINE. SEE M-3.50-03 AND M-20.10-03
- 22 INSTALL DOUBLE CENTERLINE YELLOW. SEE M-20.10-03
- 23 INSTALL YELLOW EDGE LINE AND TYPE 2Y RPM. SEE M-20.30-04
- 24 CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT
- 25 INSTALL TYPE 6L (SL) TRAFFIC ARROW. SEE M-24.20-02

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

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SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

- 2 INSTALL MEDIAN SIGNING. SEE DETAIL TR-7.08
- 3 INSTALL NO PARKING SIGN. SEE DETAIL TR-7.12
- 4 INSTALL STREET NAME SIGN. SEE DETAIL TR-7.01
- 5 RELOCATE EXISTING R2-1 (35) SPEED LIMIT SIGN.
- 6 RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
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- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS
- 14 RELOCATE EXISTING SCHOOL ZONE SIGN

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:

JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

60% SUBMITTAL

SS07



SIGNING AND STRIPING PLAN

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

SS08

NO. 88 OF X



SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD
DETAILS

STRIPING NOTES

- ① INSTALL STOP BAR, 2'. SEE DETAIL TR-8.01
- ② INSTALL LADDER STRIPE CROSSWALK, 2'. SEE DETAIL TR-8.01
- ③ INSTALL 8" WHITE BIKE LANE LINE. SEE DETAIL TR-8.02
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- ⑤ INSTALL TWO-WAY LEFT TURN LANE MARKINGS. SEE DETAIL TR-8.04
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- ⑬ INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- ⑭ INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- ⑮ INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- ⑯ INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
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- ⑲ INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0
- ⑳ INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST. SEE M-40.10-03
- ㉑ INSTALL WHITE WIDE LANE LINE. SEE M-3.50-03 AND M-20.10-03
- ㉒ INSTALL DOUBLE CENTERLINE YELLOW. SEE M-20.10-03
- ㉓ INSTALL YELLOW EDGE LINE AND TYPE 2Y RPM. SEE M-20.30-04
- ㉔ CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT
- ㉕ INSTALL TYPE 6L (SL) TRAFFIC ARROW. SEE M-24.20-02

SIGNING NOTES

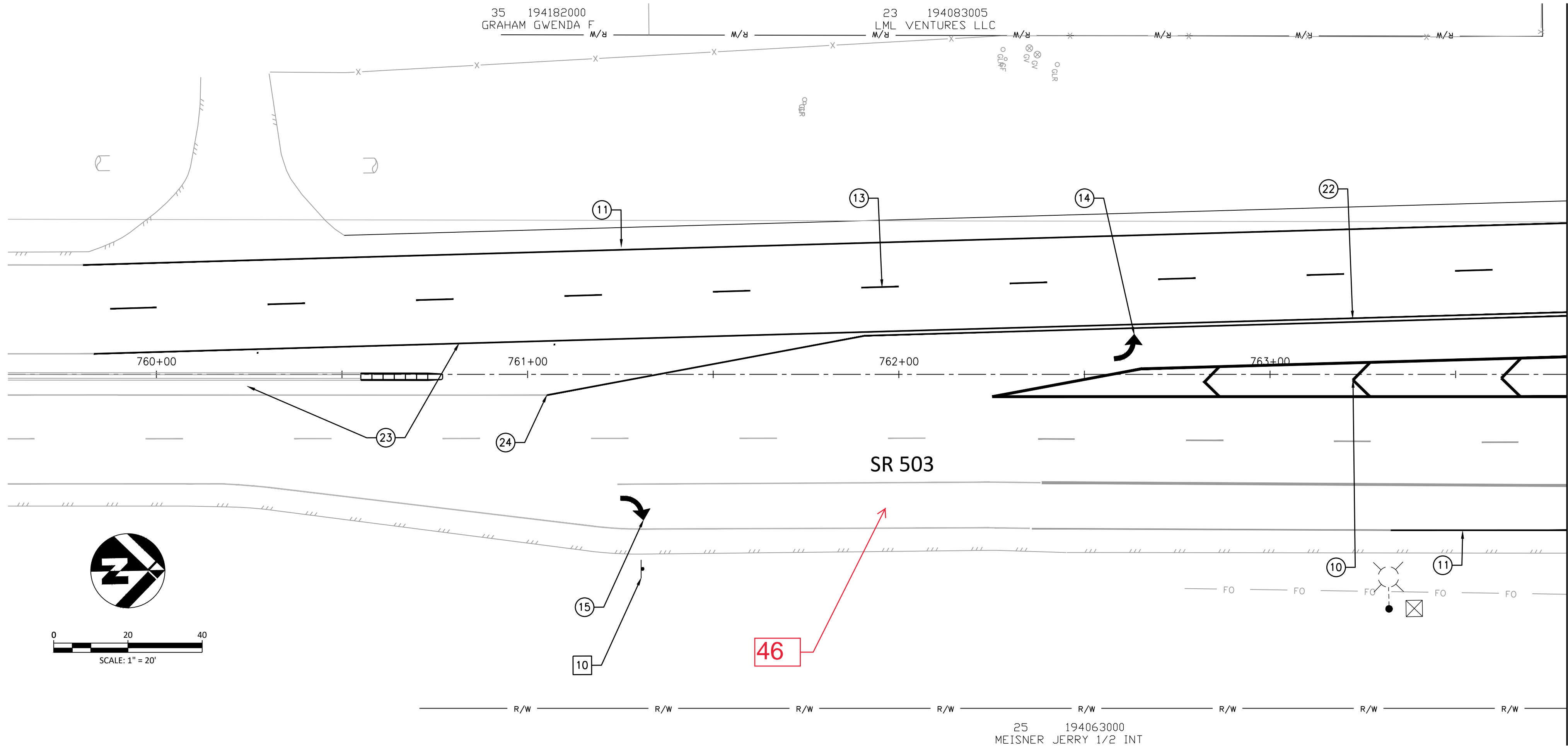
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FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS06_SS10_SIGNING AND STRIPING.DWG



STRIPING GENERAL NOTES

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ALL MARKINGS SHALL BE THERMOPLASTIC
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STRIPING NOTES

- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
- 19 INSTALL CROSSWALK MARKING IN BICYCLE PATH. SEE DETAIL SS-4.0
- 20 INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST. SEE M-40.10-03
- 21 INSTALL WHITE WIDE LANE LINE. SEE M-3.50-03 AND M-20.10-03
- 22 INSTALL DOUBLE CENTERLINE YELLOW. SEE M-20.10-03
- 23 INSTALL YELLOW EDGE LINE AND TYPE 2Y RPM. SEE M-20.30-04
- 24 CONNECT TO EXISTING STRIPING AT THE PROJECT LIMIT
- 25 INSTALL TYPE 6L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 26 INSTALL 24" WHITE CROSSWALK LINES. SEE M-15.10-01
- 27 INSTALL 12" WHITE STOP LINE LINE. SEE M-15.10-01

SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST
EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

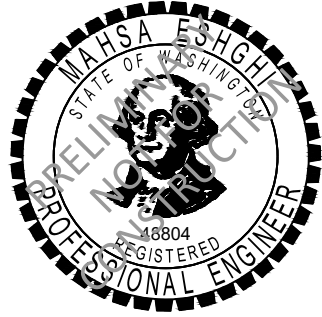
SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD
DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT
SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

- 6 RELOCATE EXISTING R2-1 (40) SPEED LIMIT SIGN.
- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

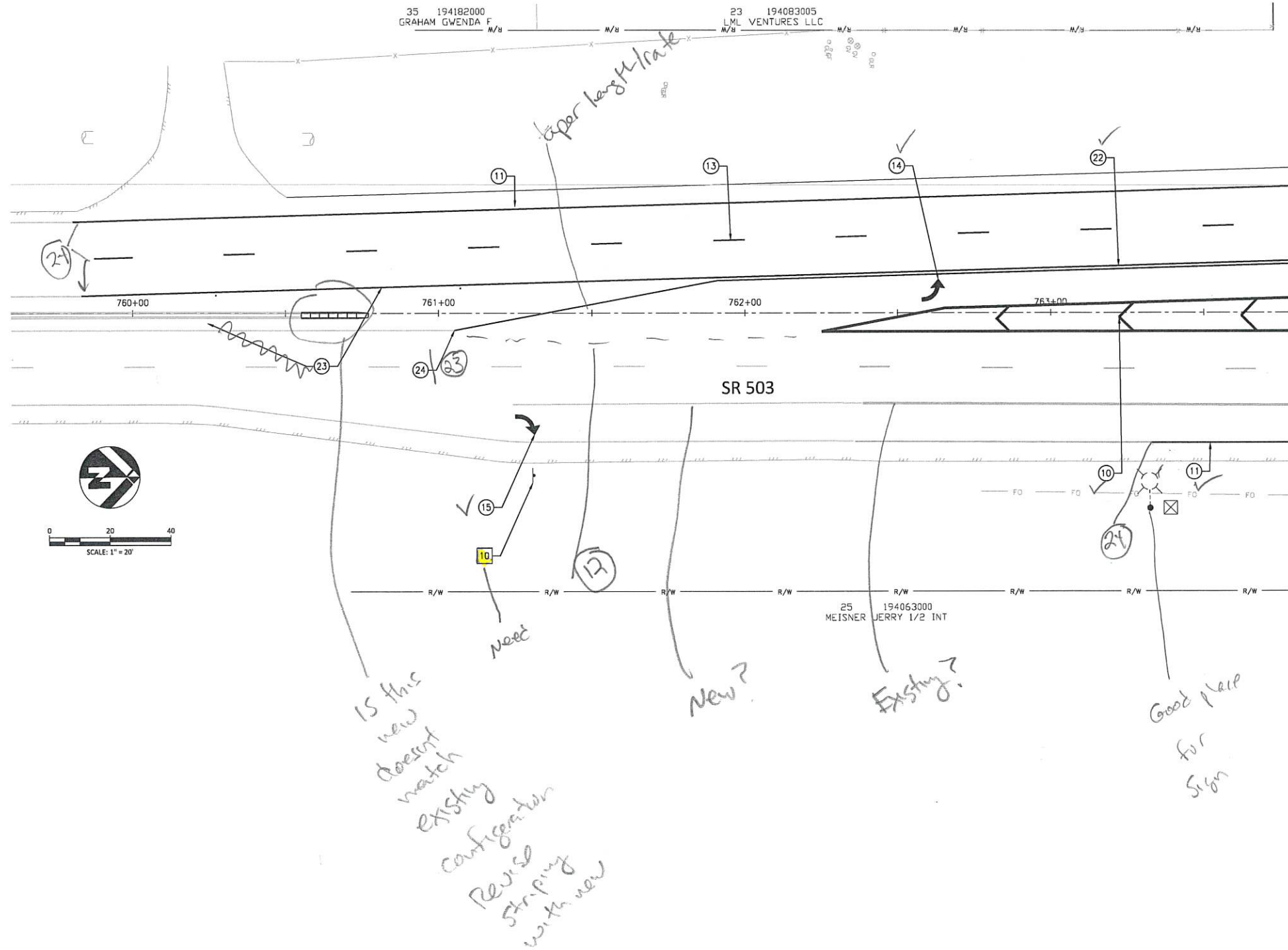


REVISIONS:	
JOB NO.:	17499
DATE:	12/15/2021
SCALE:	1" = 20'
DESIGNED BY:	CG
DRAWN BY:	PM/AS
CHECKED BY:	ME/PH

60% SUBMITTAL

SS09

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS06_SS10_SIGNING AND STRIPING.DWG



MATCH LINE STA. 763+80 SEE SS06

STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
- 11 INSTALL 4" WHITE EDGE LINE. SEE M-20.10-03
- 12 INSTALL 4" WHITE DOTTED EXTENSION LINE. SEE M-20.10-03
- 13 INSTALL 4" WHITE LANE LINE. SEE M-20.10-03
- 14 INSTALL TYPE 2L (SL) TRAFFIC ARROW. SEE M-24.20-02
- 15 INSTALL TYPE 2R (SR) TRAFFIC ARROW. SEE M-24.20-02
- 16 INSTALL PLASTIC OFF-STREET BICYCLE SYMBOL. SEE DETAIL SS-1.0
- 17 INSTALL PLASTIC OFF-STREET PEDESTRIAN SYMBOL. SEE DETAIL SS-2.0
- 18 INSTALL BICYCLE YIELD PAVEMENT MARKING. SEE DETAIL SS-3.0
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SIGNING NOTES

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MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST
EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

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SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

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- 7 NOT USED
- 8 INSTALL R3-5R LANE CONTROL SIGN.
- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED *Need signing*
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS

SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

SIGNING AND STRIPING PLAN

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

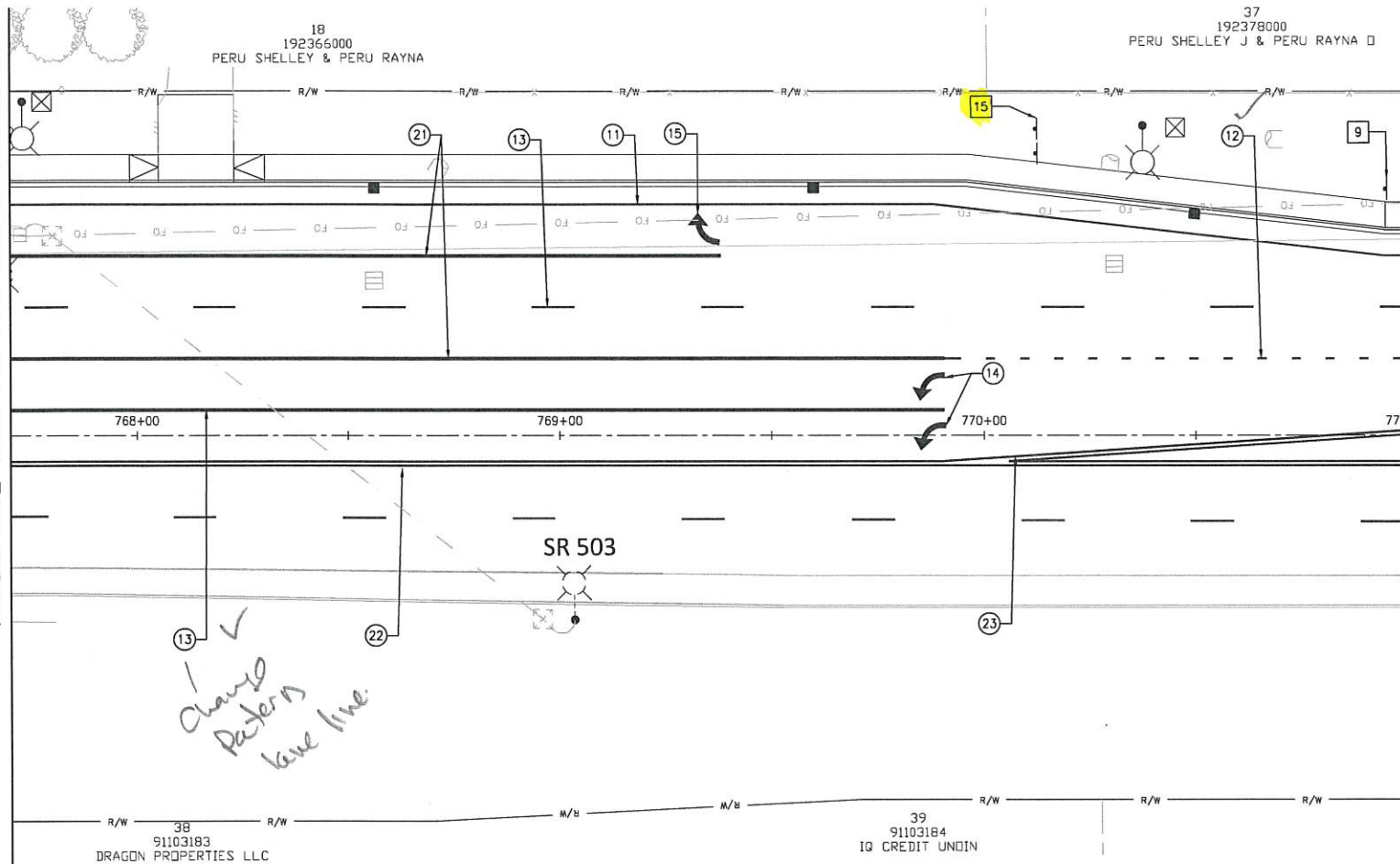
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SS09

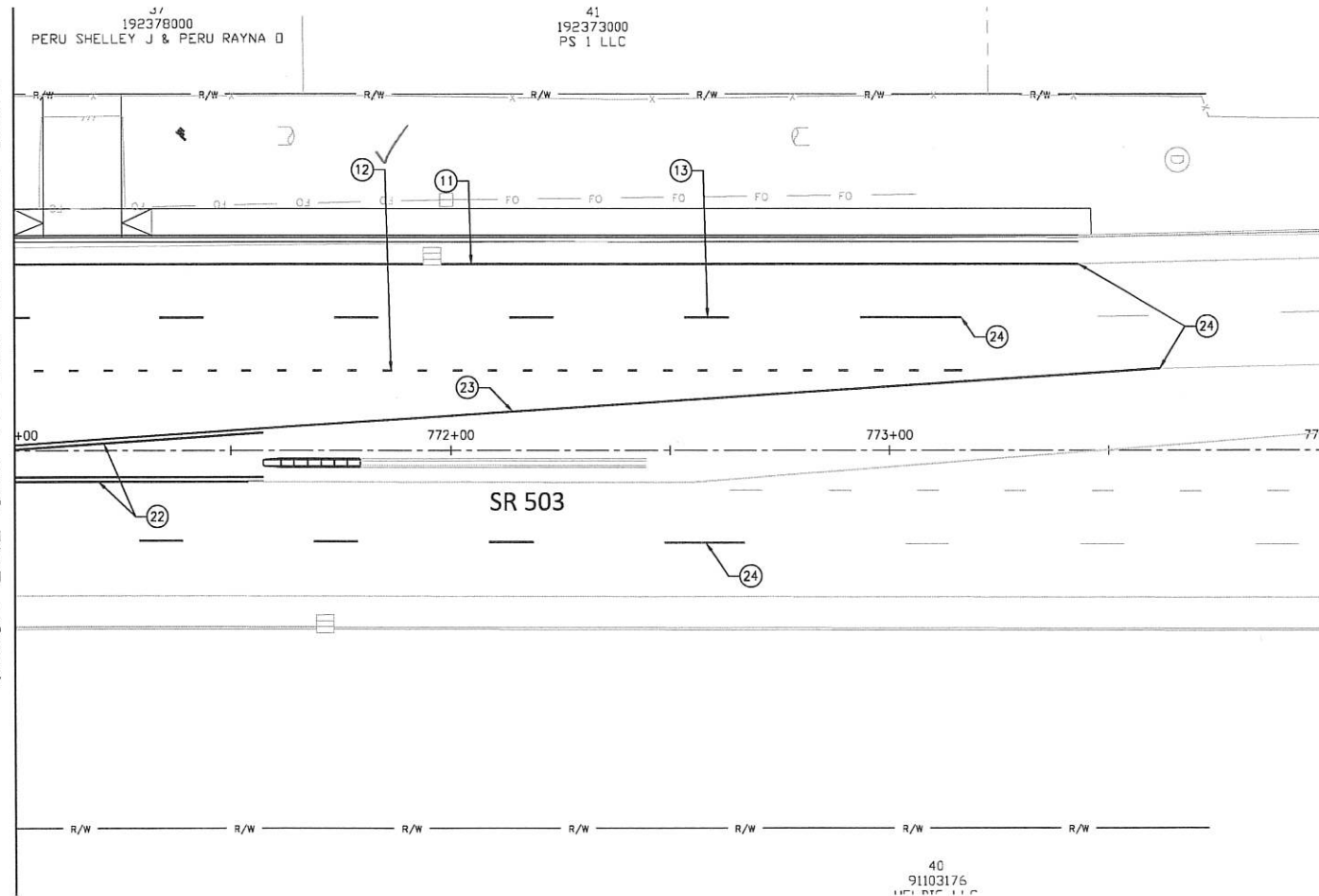
NO. 89 OF X

FILE: W:\17499 EATON\500 DESIGN\502 DRAWINGS\SHEETS\17499_SS06_SS10_SIGNING AND STRIPING.DWG

MATCH LINE STA. 767+70 SEE SHEET SS06



MATCH LINE STA. 771+00 SEE ABOVE RIGHT



STRIPING GENERAL NOTES

SEE SHEET G02 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
ALL MARKINGS SHALL BE THERMOPLASTIC
SEE SHEETS SS11 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

STRIPING NOTES

- 10 INSTALL 8" WHITE TRAFFIC DIVIDER. SEE DETAIL M-3.50-03
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SIGNING NOTES

ALL SIGNING SHALL CONFORM TO THE REQUIRED SPECIFICATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION AND CURRENT CITY TRANSPORTATION STANDARDS

SEE SHEET SS11 FOR SIGN LEGEND
SEE SHEETS SS12 TO SS16 FOR SIGNING AND STRIPING STANDARD DETAILS

INSTALL NEW SIGNS AND RELOCATED SIGNS ON NEW GROUND MOUNT SUPPORTS PER DETAILS TR-7.00 AND TR-7.02

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- 9 INSTALL R3-7R LANE CONTROL SIGN.
- 10 NOT USED
- 11 INSTALL W4-2R RIGHT LANE ENDS SIGN.
- 12 RELOCATE EXISTING SCHOOL AHEAD SIGN.
- 13 SEE SIGNAL PLANS FOR OVERHEAD SIGNS
- 15 RELOCATE EXISTING GROUND MOUNTED STREET NAME SIGN

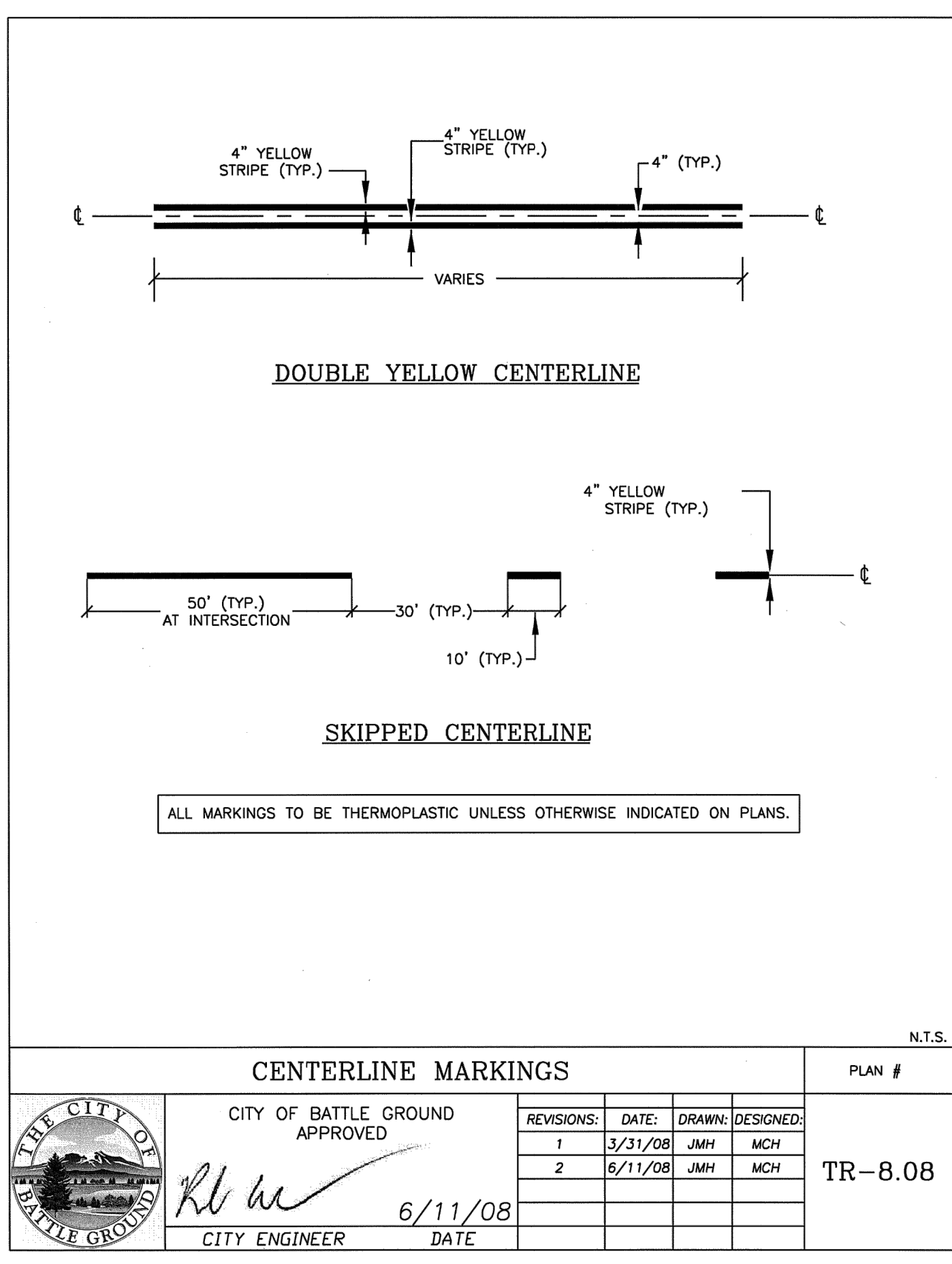
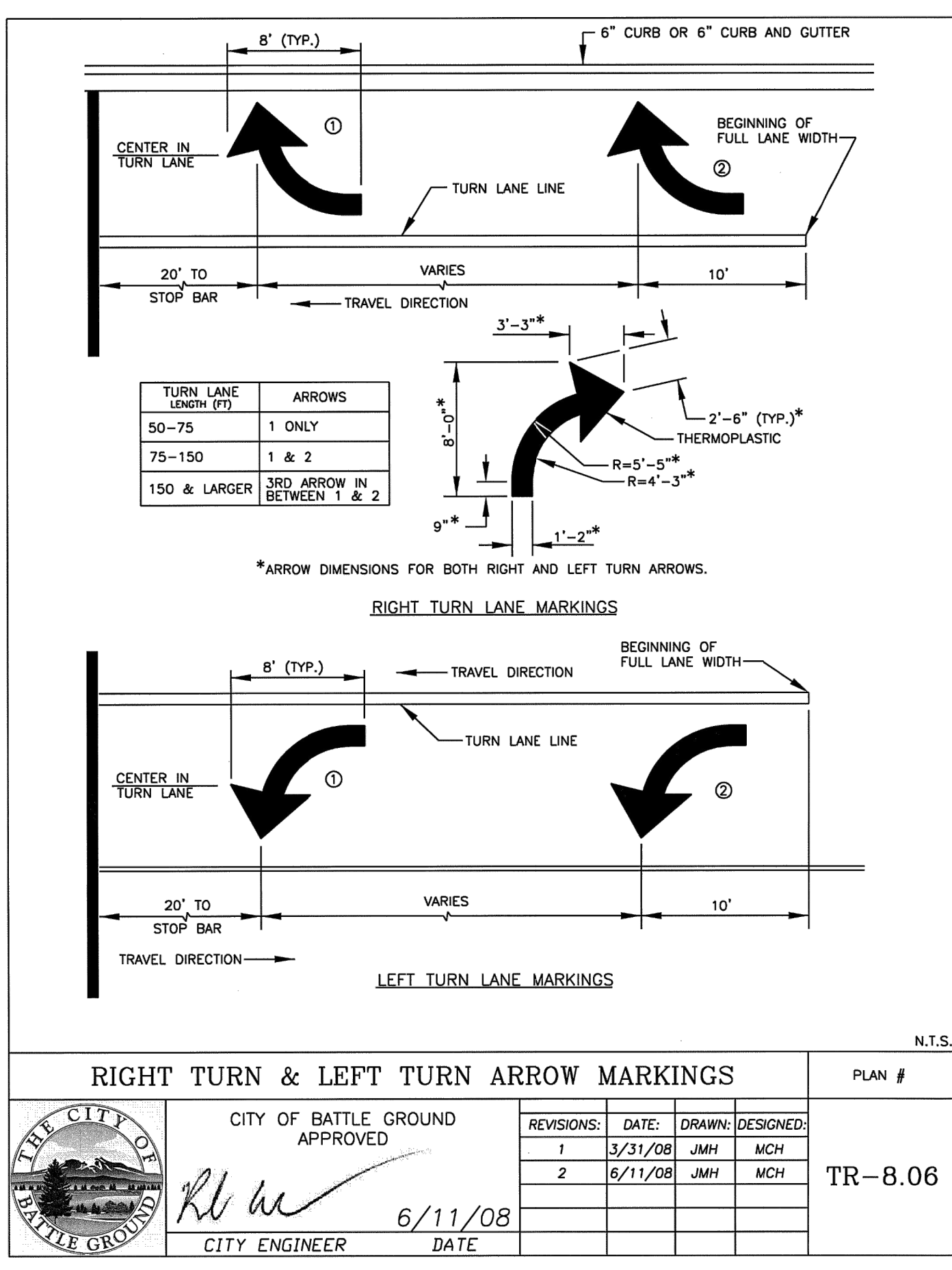
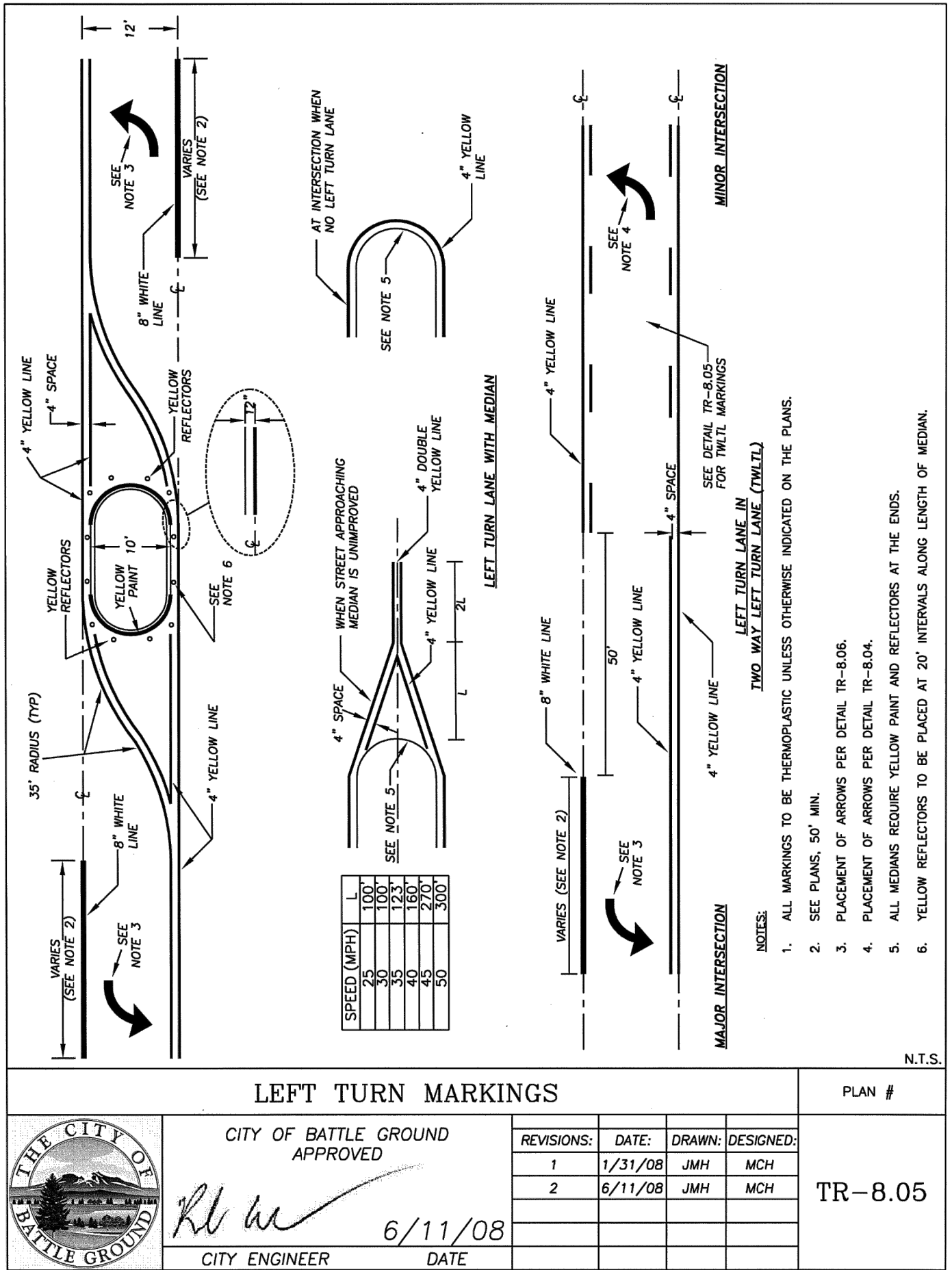
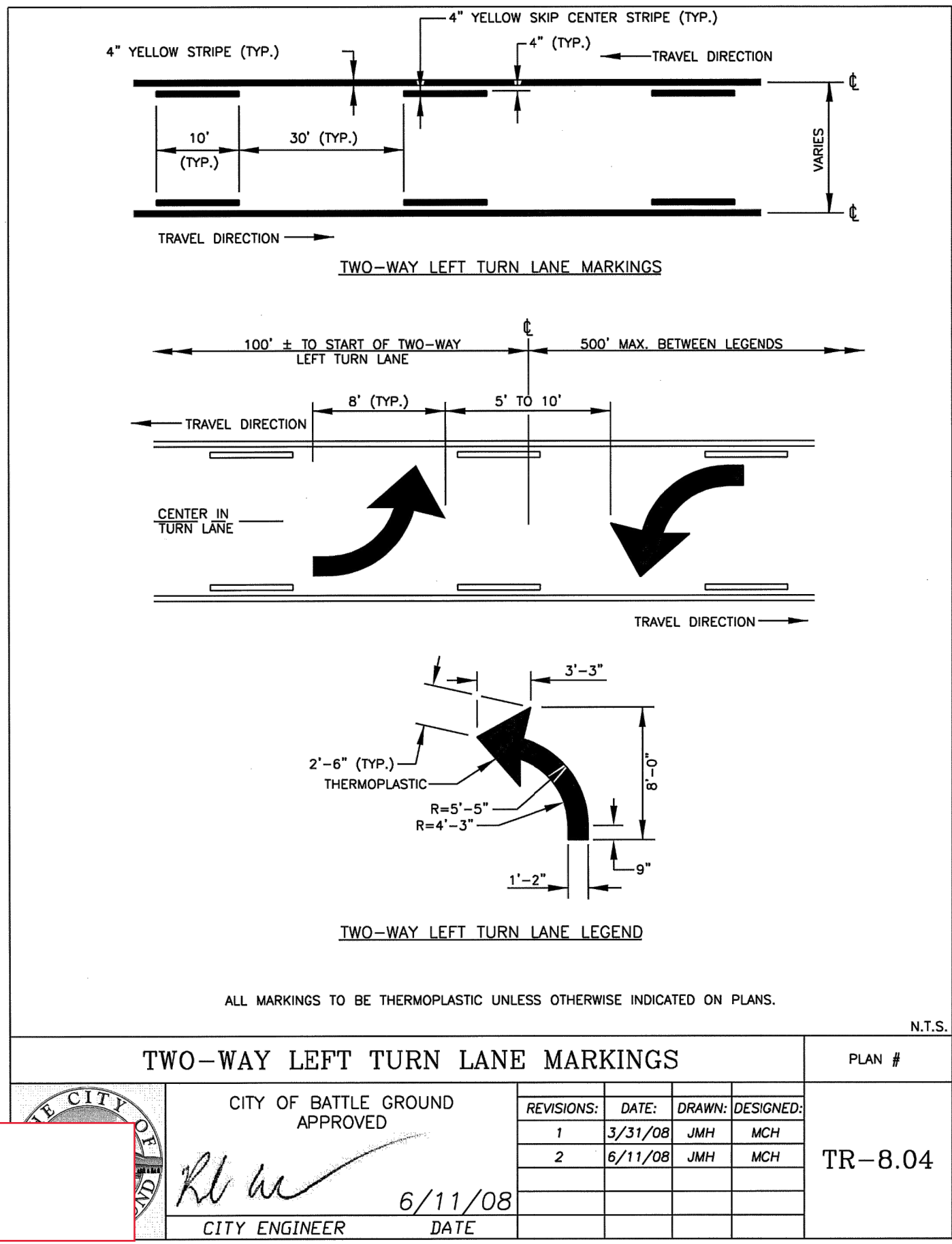
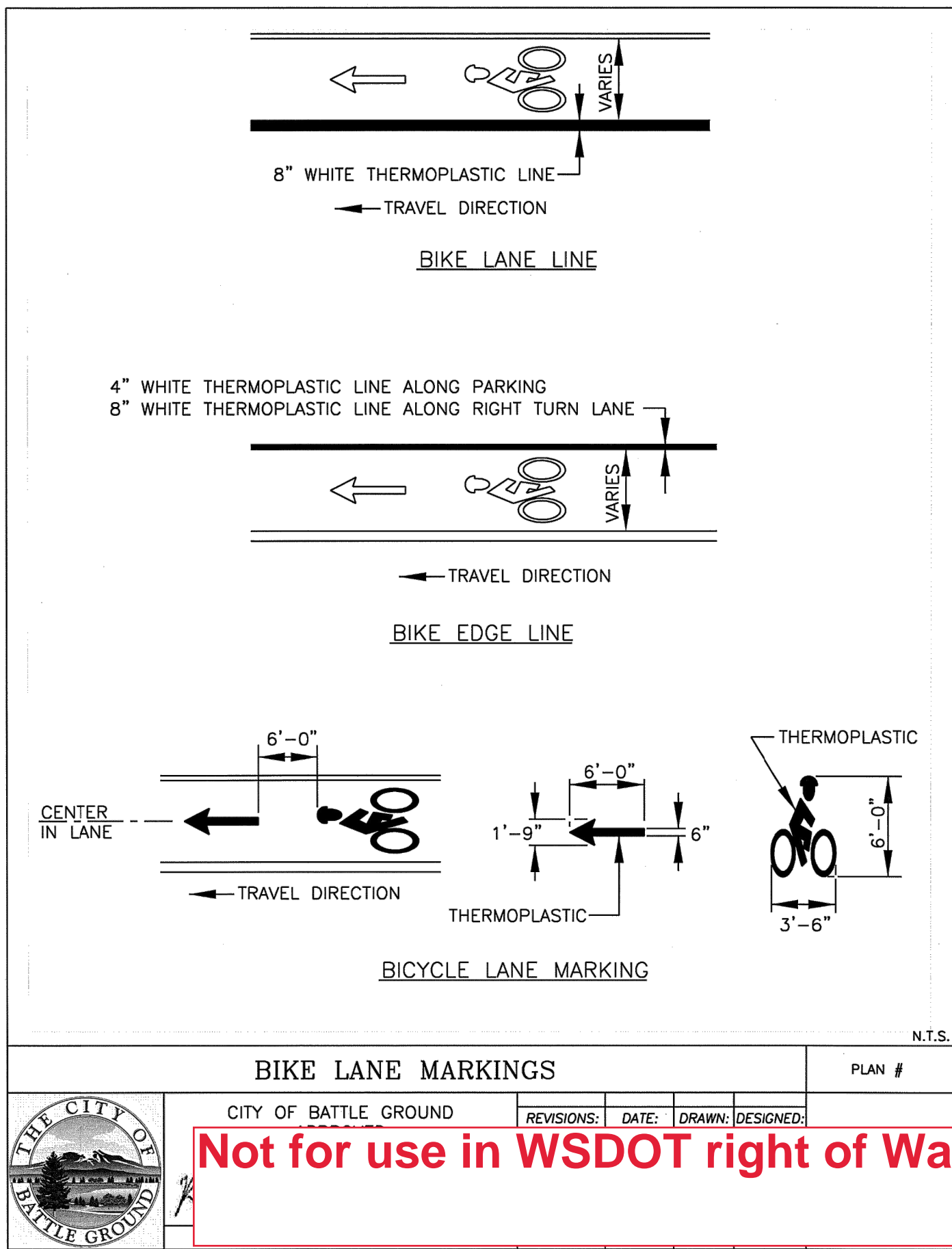
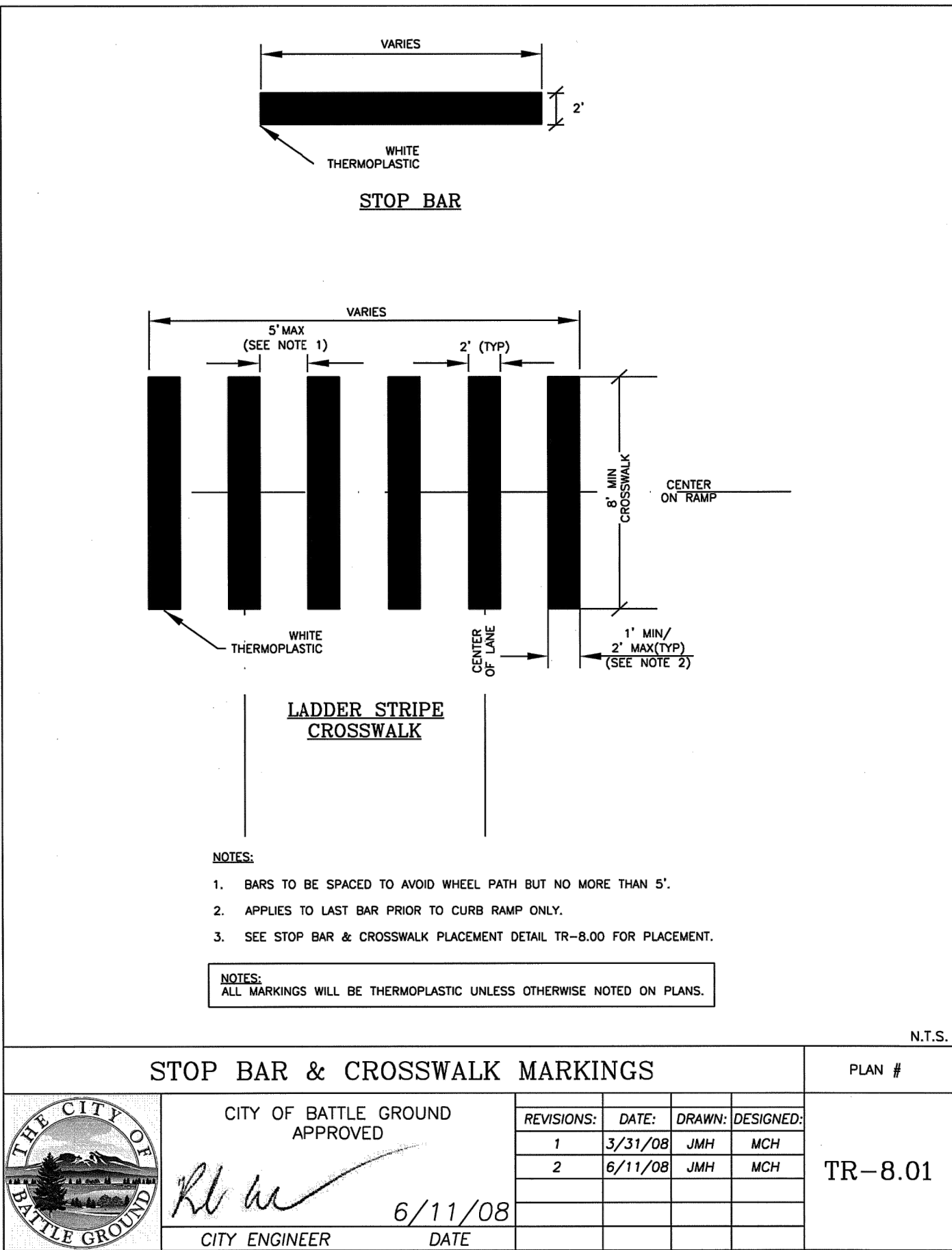
REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

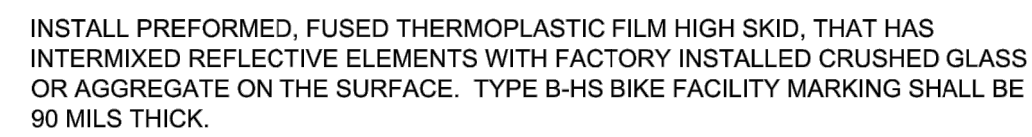
60% SUBMITTAL

SS10

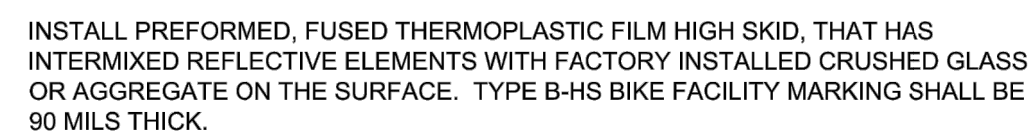
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PLASTIC OFF-STREET BIKE SYMBOL



PLASTIC OFF-STREET PEDESTRIAN SYMBOL



BICYCLE YIELD PAVEMENT MARKING

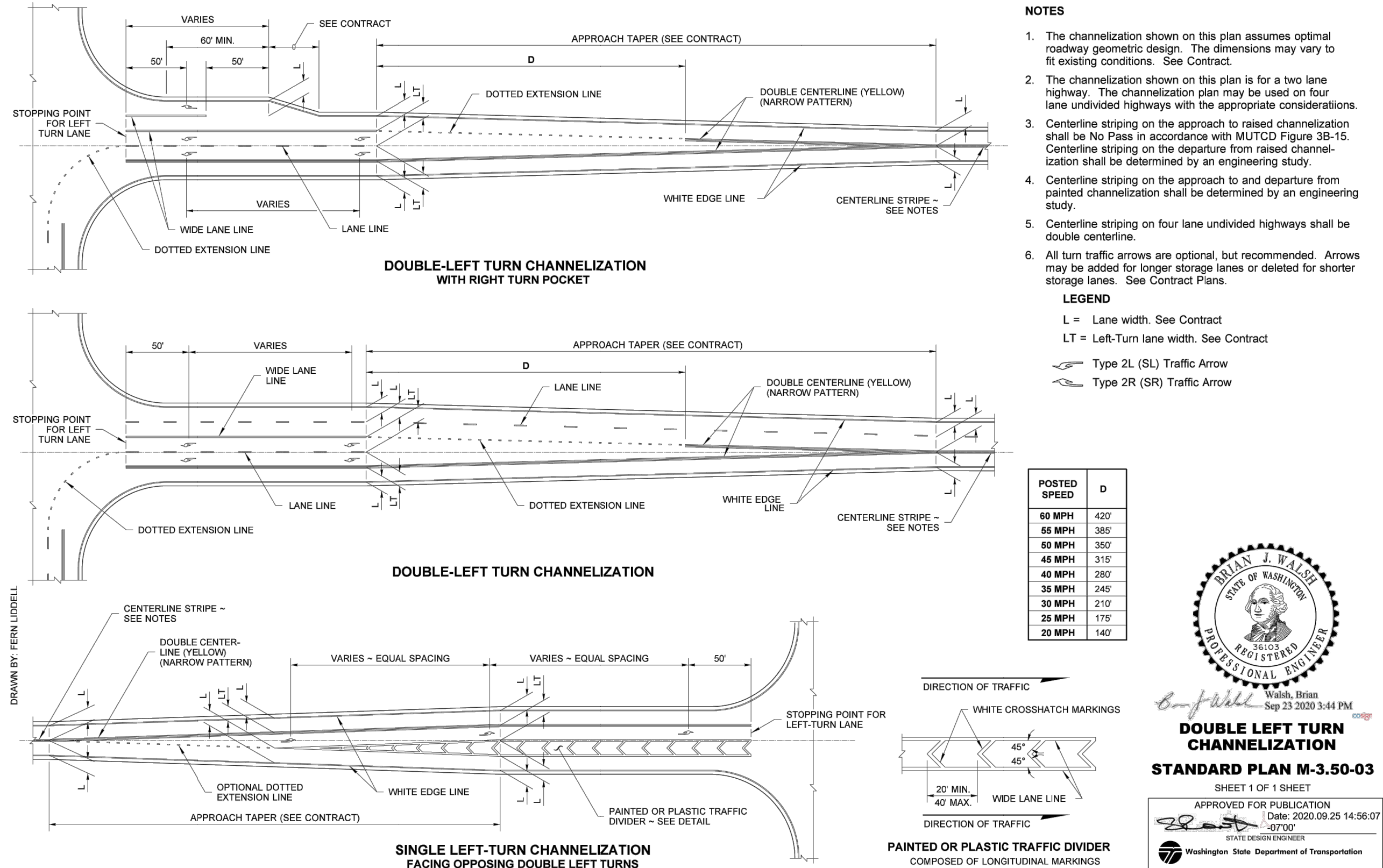
MATERIAL TO BE TYPE B-HS, WHITE.



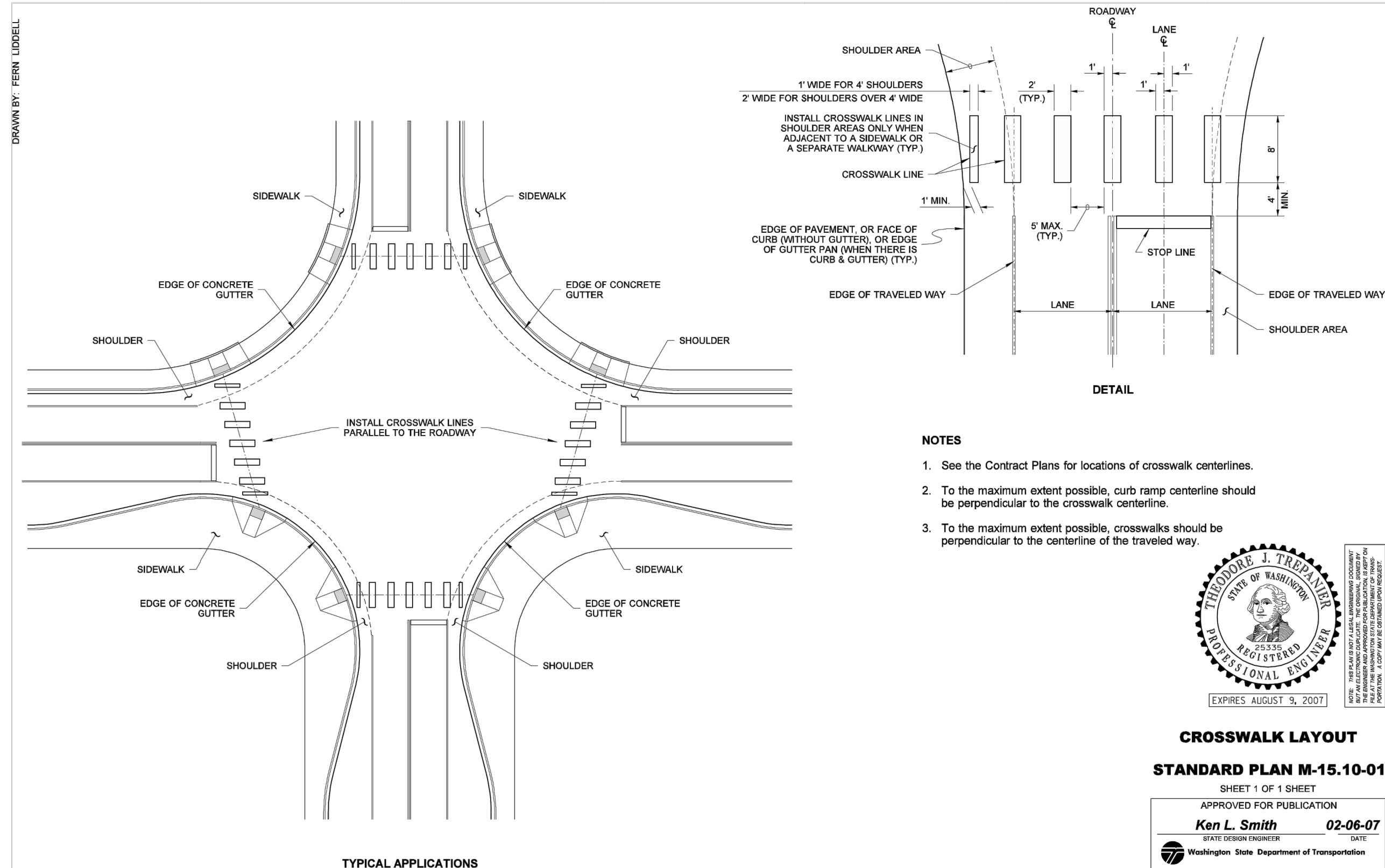
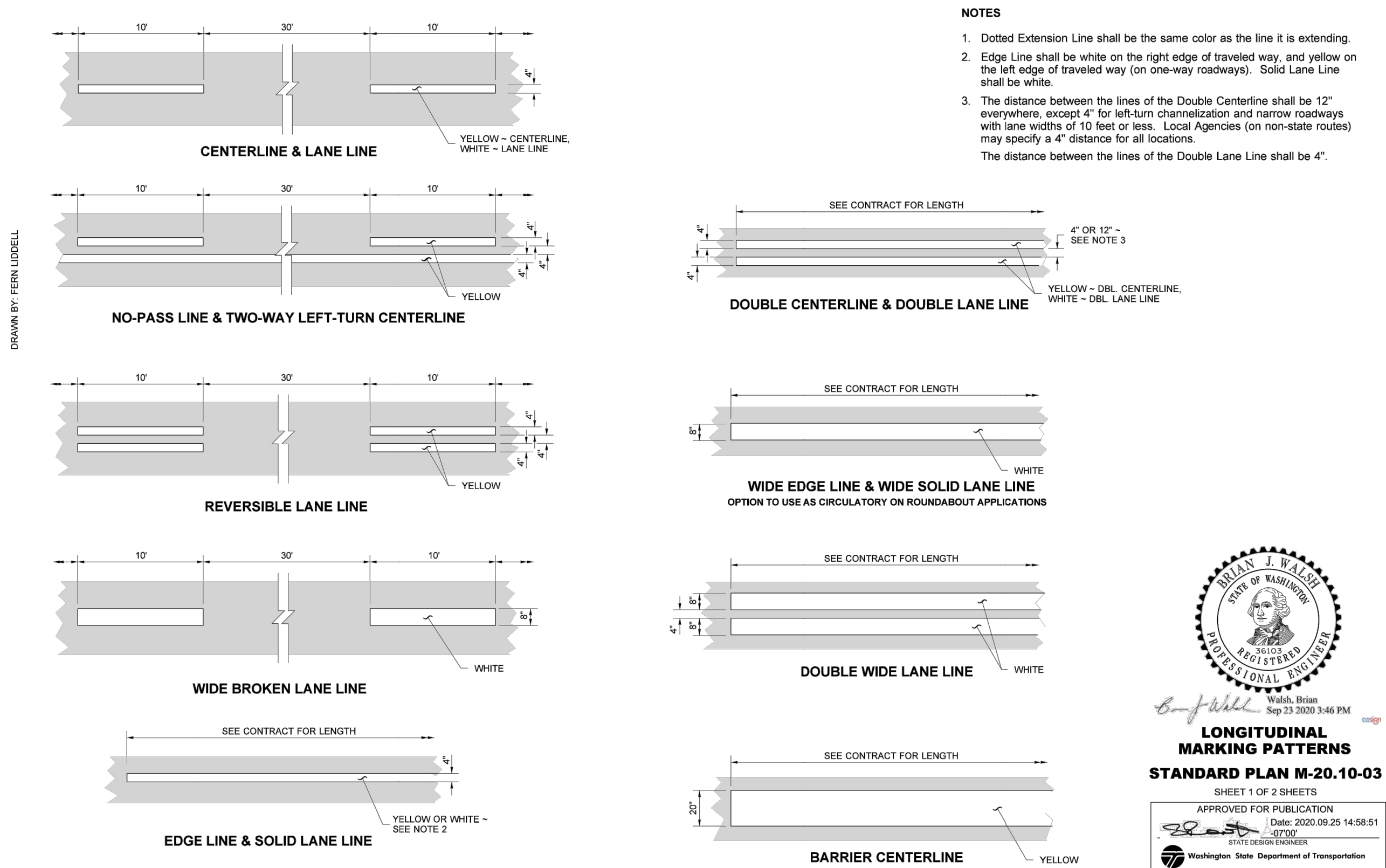
SIGNING AND STRIPING DETAILS

60% SUBMITTAL

NO. 93 OF X



Make sure these are current at time of contract ad, one plan per sheet



SW EATON BOULEVARD ROAD IMPROVEMENT
SW 20TH AVENUE TO SR 503

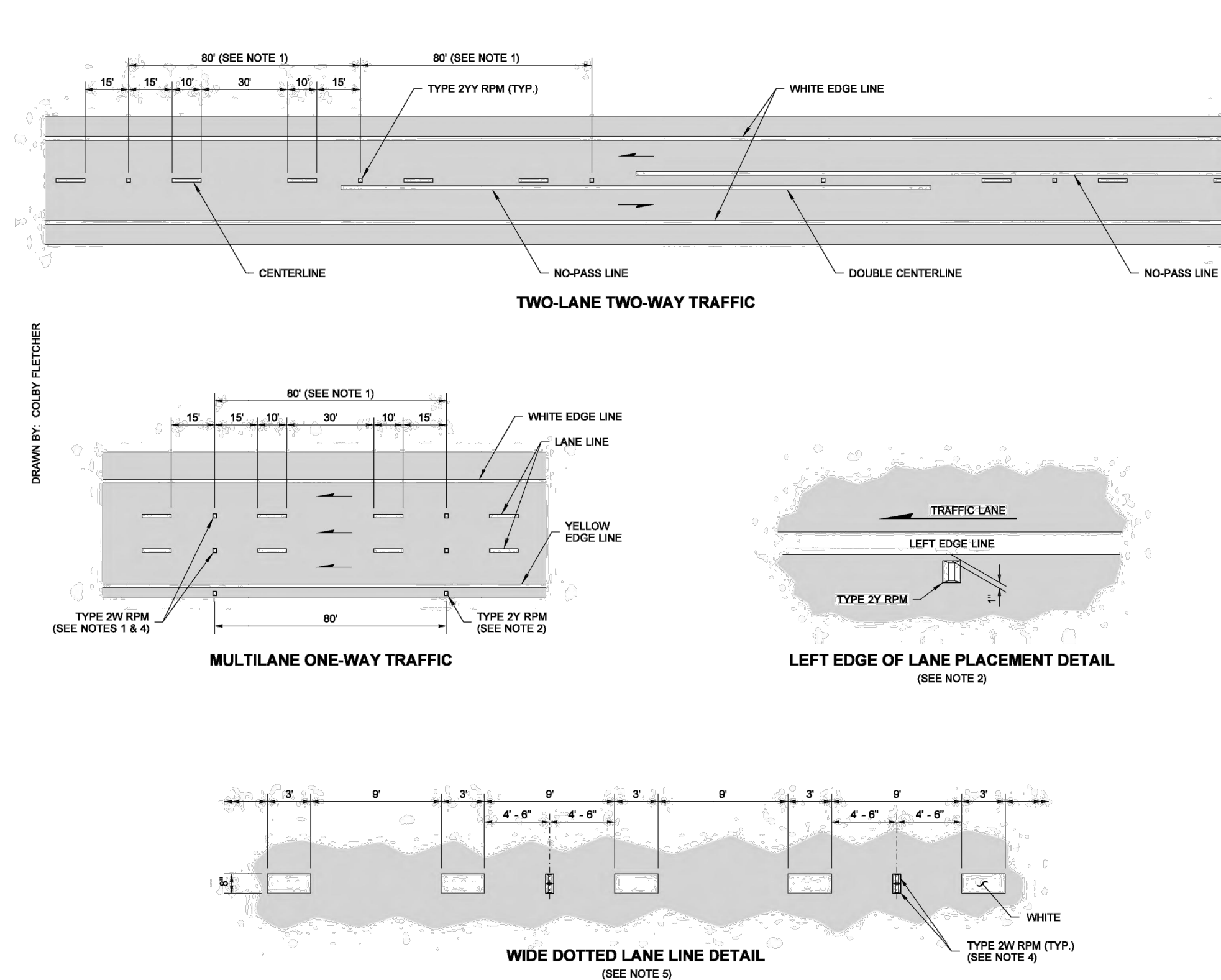
SIGNING AND STRIPING DETAILS

REVISIONS:

JOB NO.: 17499
DATE: 12/15/2021
SCALE: 1" = 20'
DESIGNED BY: CG
DRAWN BY: PM/AS
CHECKED BY: ME/PH

60% SUBMITTAL

SS14



- ## NOTES
1. Raised Pavement Markers Types 2VY and 2W shall be spaced at 80' (ft) intervals on tangents and on horizontal curves with a radius of 1500' (ft) or more, and at 40' (ft) intervals on horizontal curves having radii of less than 1500' (ft). Center the RPMs in the gaps between the pavement marking lines.
 2. Type 2V RPMs, when specified, shall be placed outside the left Edge Line at 80' (ft) intervals. See "LEFT EDGE OF LANE PLACEMENT DETAIL."
 3. Recessed pavement markers, when specified, shall be installed at the location shown for Type 2V RPMs on multilane one-way roadways, and Type 2VY RPMs on two-lane two-way roadways.
 4. The Type 2VY RPMs placed on multilane one-way roadways and all RPMs set in recesses shall have an abrasion-resistant coating.
 5. Do not recess side-to-side RPMs on Wide Dotted Lane Lines.

TYPE 2 RPM RAISED FACE COLORS	
TYPE 2YY	YELLOW AND YELLOW
TYPE 2W	WHITE ~ ONE SIDE ONLY
TYPE 2Y	YELLOW ~ ONE SIDE ONLY



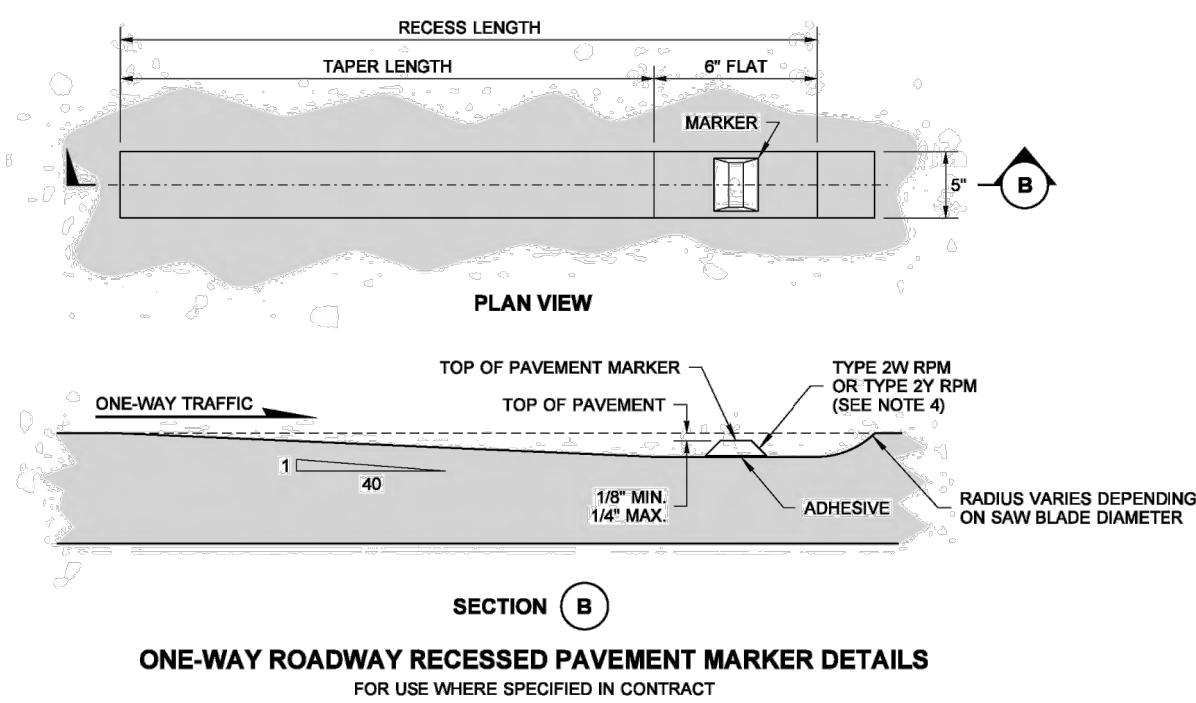
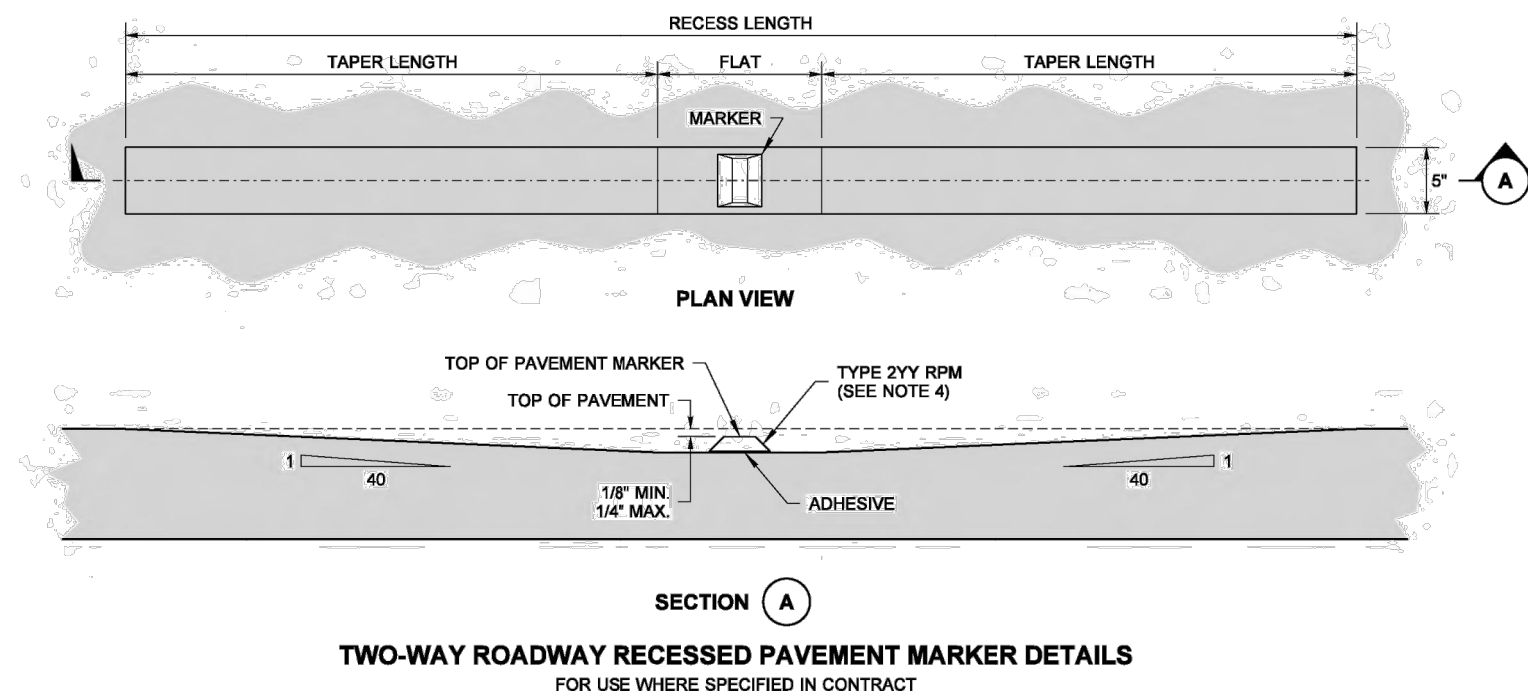
Walsh, Brian
Feb 29 2016 10:18 AM

**LONGITUDINAL MARKING
SUPPLEMENT WITH RAISED
PAVEMENT MARKERS
STANDARD PLAN M-20.30-04**

SHEET 1 OF 2 SHEETS

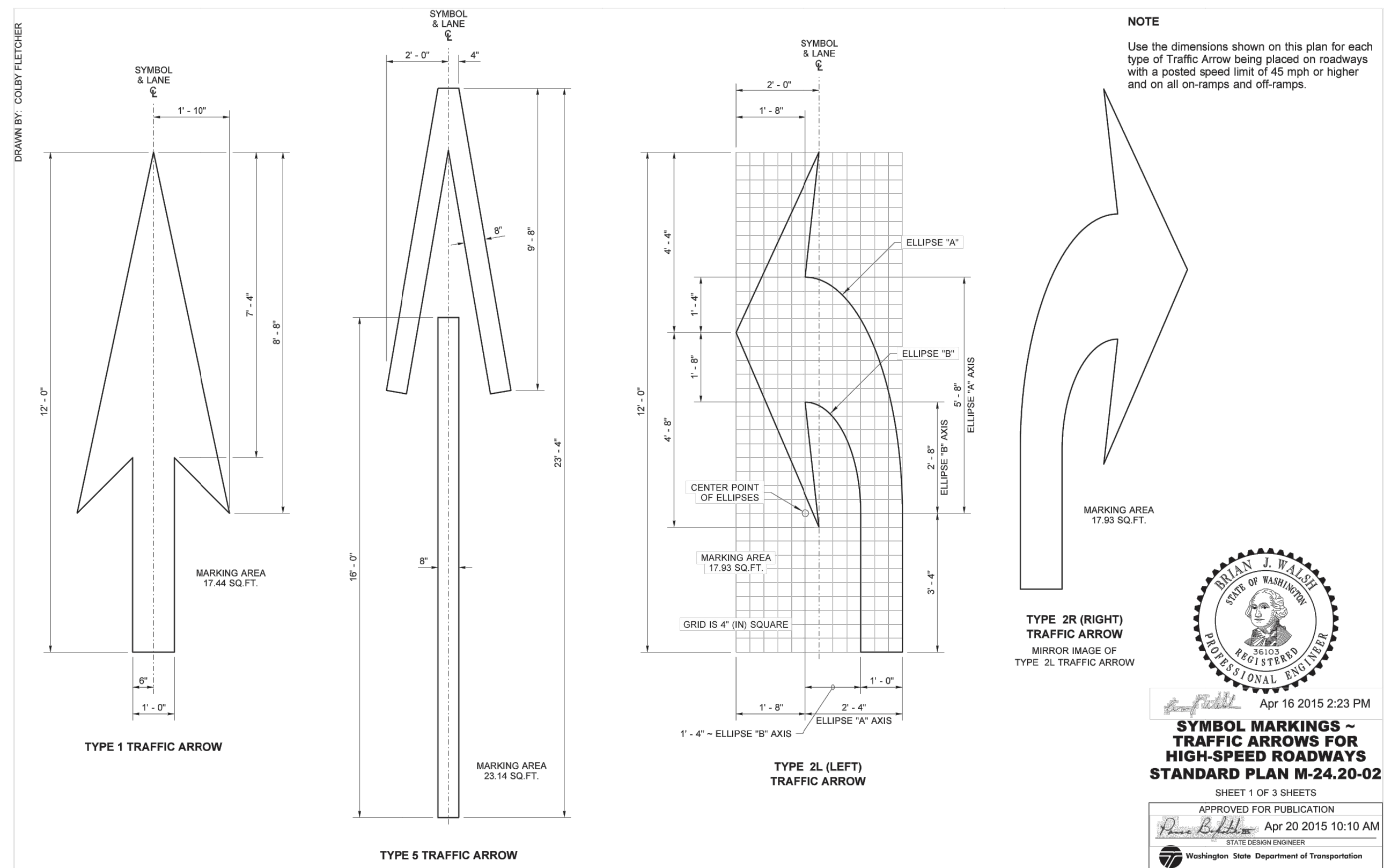
APPROVED FOR PUBLICATION
Carpenter, Jeff
Feb 29 2016 12:39 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

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Walsh, Brian Feb 29 2016 10:20 AM
**LONGITUDINAL MARKING
 SUPPLEMENT WITH RAISED
 PAVEMENT MARKERS**
STANDARD PLAN M-20.30-04
 SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
Feb 29 2016 12:39 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



Use the dimensions shown on this plan for each type of Traffic Arrow being placed on roadways with a posted speed limit of 45 mph or higher on all on-ramps and off-ramps.

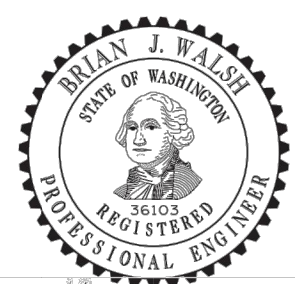
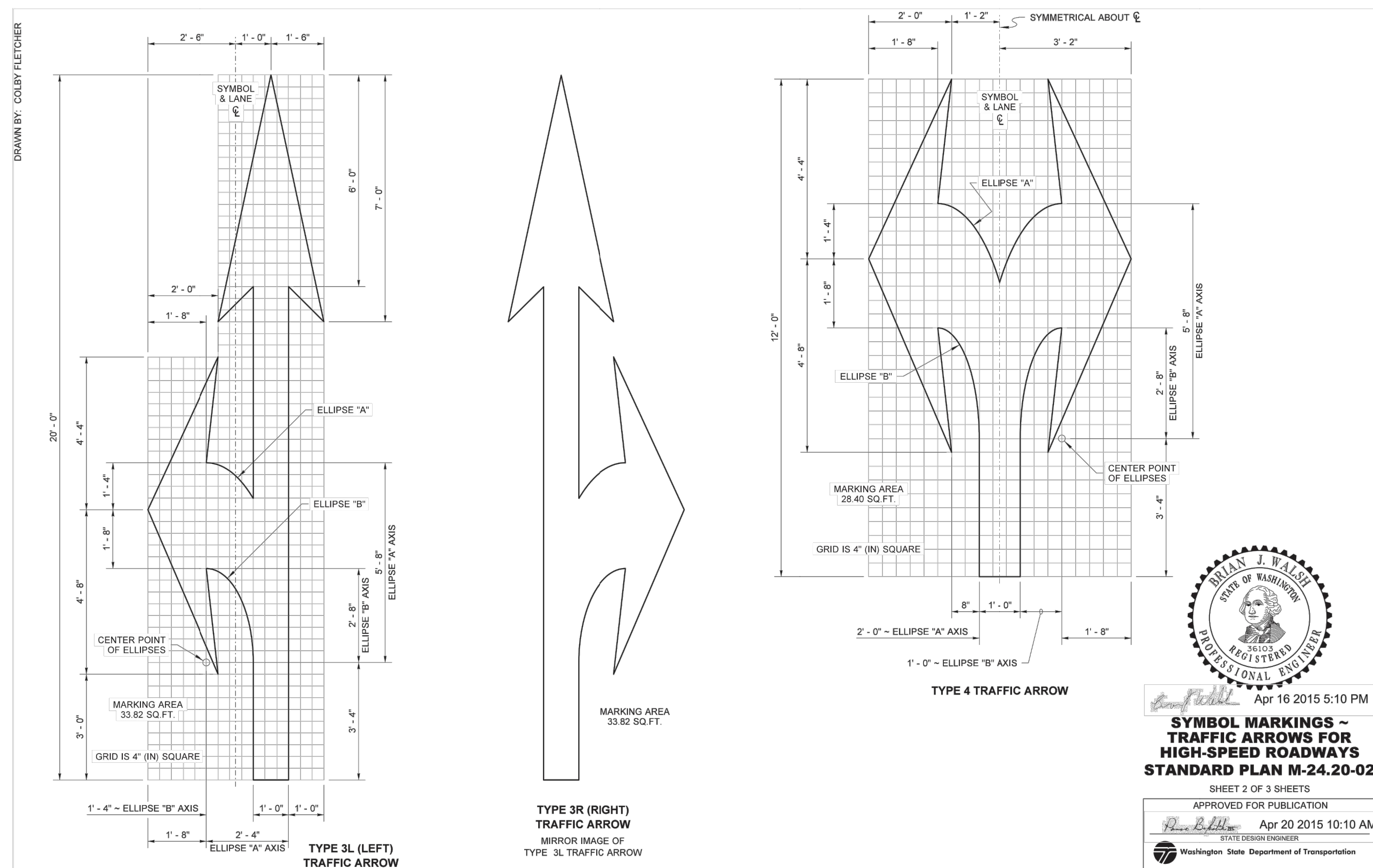


Apr 16 2015 2:23 PM

**SYMBOL MARKINGS ~
TRAFFIC ARROWS FOR
HIGH-SPEED ROADWAYS
STANDARD PLAN M-24.20-02**

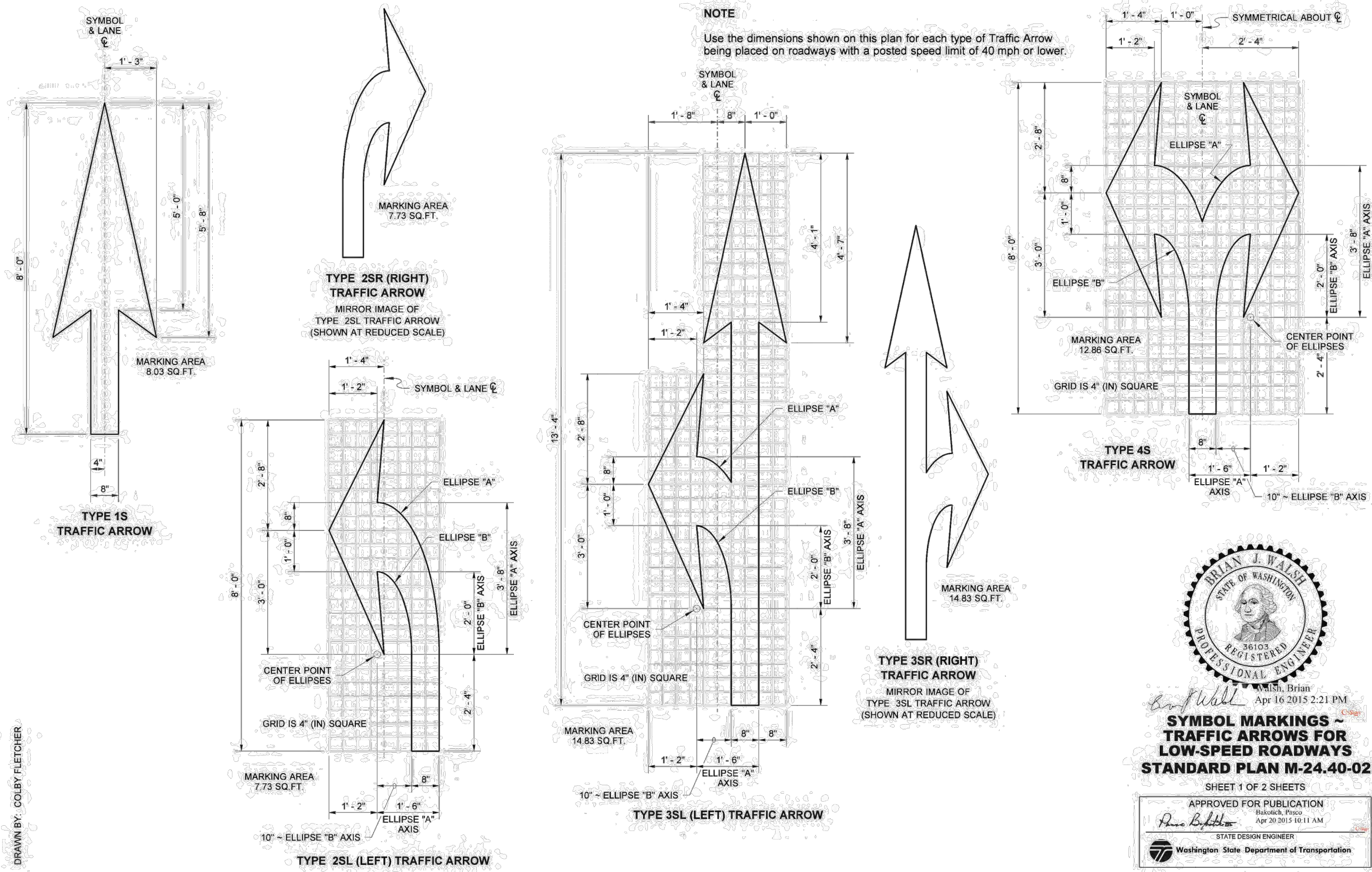
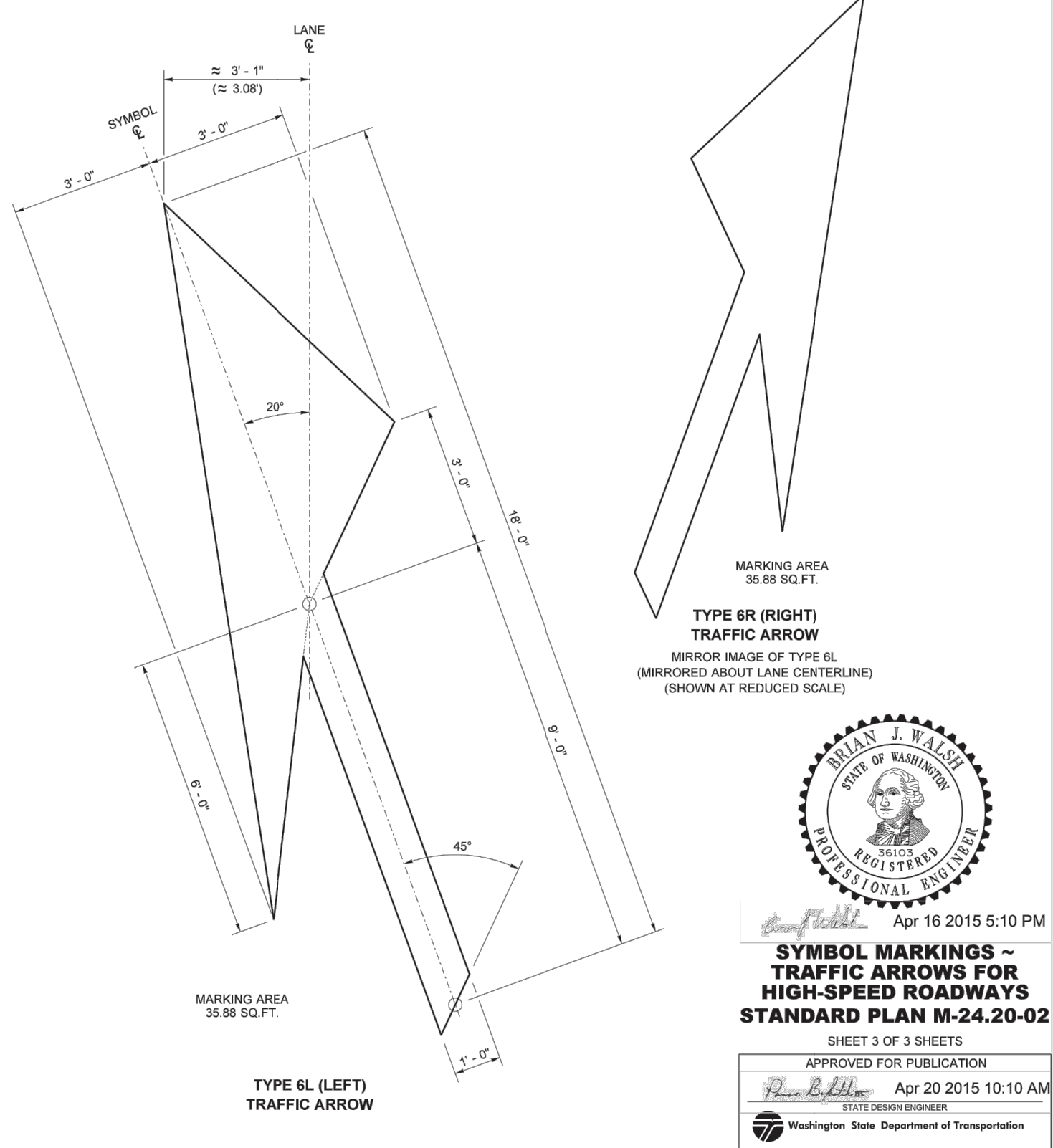
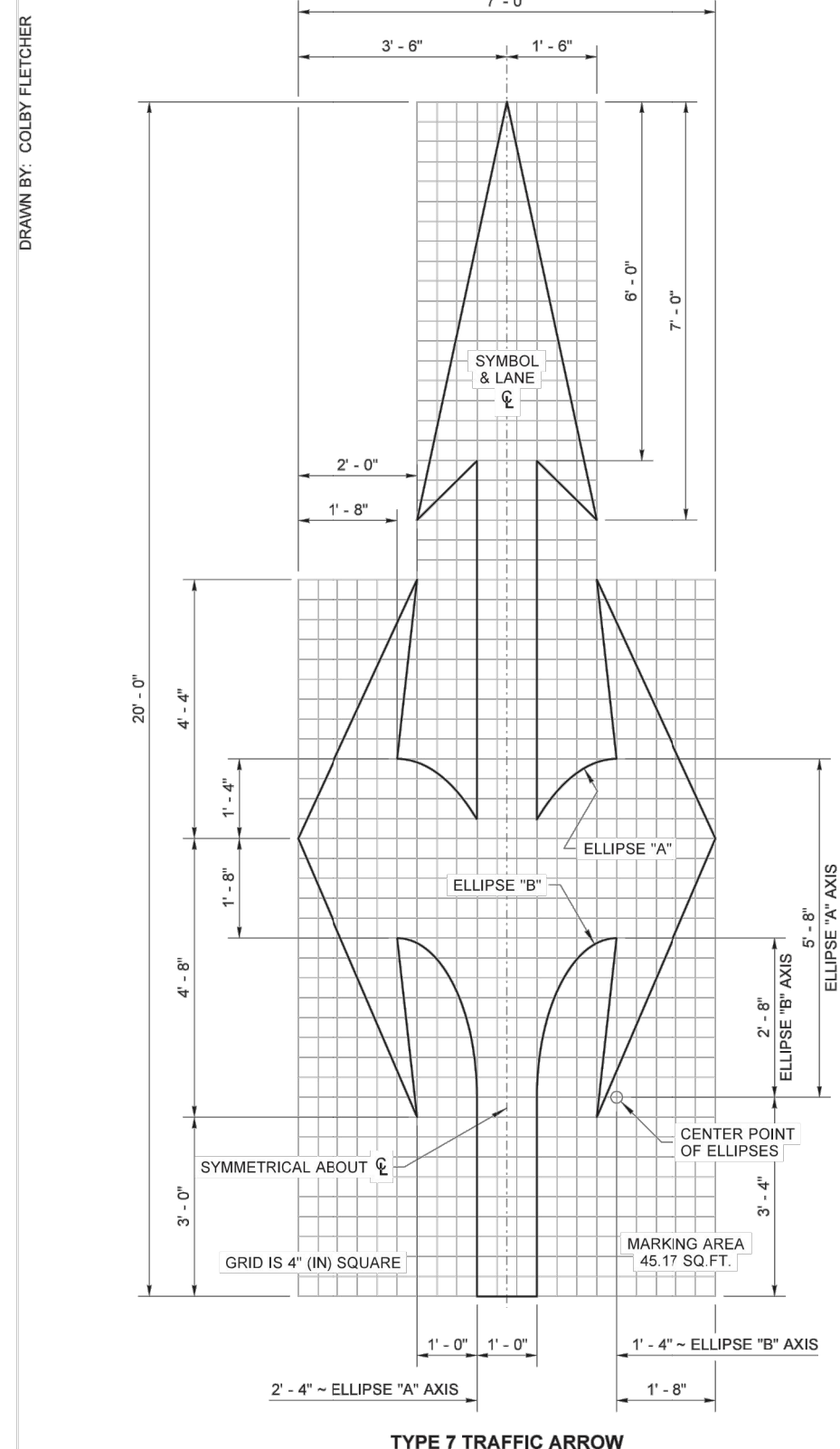
SHEET 1 OF 3 SHEETS

APPROVED FOR PUBLICATION
David B. Smith Apr 20 2015 10:10 AM
 STATE DESIGN ENGINEER
 Washington State Department of Transportation



**SYMBOL MARKINGS ~
TRAFFIC ARROWS FOR
HIGH-SPEED ROADWAYS
STANDARD PLAN M-24.20-02**

APPROVED FOR PUBLICATION
David B. Little Apr 20 2015 10:10 AM
 STATE DESIGN ENGINEER
 Washington State Department of Transportation



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