CITY OF CARNATION

KING COUNTY WASHINGTON

EAST BIRD STREET IMPROVEMENTS

TIB PROJECT NO. 6-P-801(010)-1



CITY OFFICIALS

JIM RIBAIL MAYOR

TIM HARRIS ADIR HAWKINS

CITY COUNCIL

RYAN BURRELL JIM RIBAIL DUSTIN GREEN

CITY COUNCIL

ANA CORTEZ
CITY MANAGER



NOVEMBER 2023 G&O #23440.07

WATER SYMBOLS

EXISTING DESCRIPTION WATER METER FIRE HYDRANT (3-NOZZLE) GATE VALVE

GAS/POWER/TELEPHONE SYMBOLS

EXISTING DESCRIPTION UTILITY POLE UTILITY POLE ANCHOR UTILITY PEDESTAL \boxtimes

SURVEY SYMBOLS

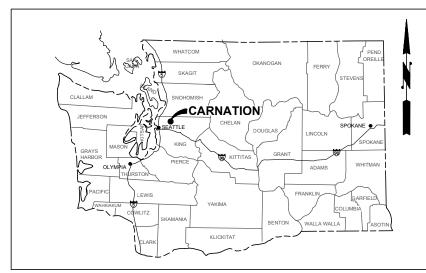
SHEET INDEX

SHEET NO.

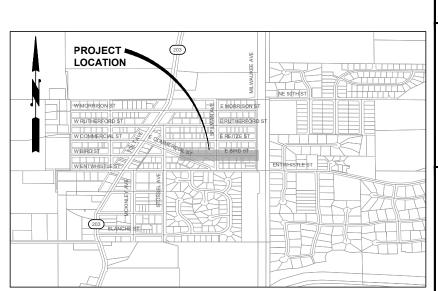
EXISTING DESCRIPTION CONTROL POINT MONUMENT (IN CASE)

SANITARY/STORM SEWER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
(S)		SANITARY SEWER MANHOLE (ACTUAL DIMENSION SHOWN FOR PROPOSED)
0	•	CLEAN OUT (SAN. SEWER OR STORM)
		STORM DRAIN CATCH BASIN, CONCRETE INLET, OR YARD/AREA DRAIN (ACTUAL DIMENSION SHOWN FOR PROPOSED)



VICINITY MAP NOT TO SCALE



LOCATION MAP SCALE: 1"=600"

GENERAL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL BE FURNISHED AND SUPPLIED IN ACCORDANCE WITH THE 2024 EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, UNLESS OTHERWISE SPECIFICALLY NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES AND OTHER APPURTENANCES ARE PROPERLY LOCATED, SECURED, AND/OR PROTECTED. BURIED UTILITIES (WHERE KNOWN) ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. NOTIFY THE UNDERGROUND UTILITIES LOCATE CENTER: 811-LOCATE.
- 3. ON-SITE EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AND SHALL BE THE RESPONSIBILITY
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN CONFORMANCE TO THE REQUIREMENTS OF THESE PLANS, CONTRACT SPECIFICATIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS, ANY ADDENDA, CHANGE ORDERS, AND THE CONTRACT SPECIFICATIONS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS
- THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF UNSUITABLE SOILS OR HIGH GROUND WATER CONDITIONS OR DISCREPANCIES FROM THE PLANS.
- WHEREVER PLANS REFER TO "SAWCUT" OF ASPHALT CONCRETE PAVEMENT OR CONCRETE SURFACE, THE
- CONTRACTOR SHALL PERFORM A "NEAT LINE CUT" PER SPECIFICATIONS.
- CATCH BASINS AND CURB INLETS AT GUTTER PANS HAVE BEEN SHOWN IN GENERAL WITH A RELATIVE STATION AND OFFSET. THE INTENT OF THIS PROJECT IS TO INSTALL THE CATCH BASINS AND CURB INLETS IN THE GLITTER PAN AT THEIR RESPECTIVE ELEVATIONS.
- 9. THE CONTRACTOR SHALL MAINTAIN A CLEAN LEGIBLE SET OF RECORD DRAWINGS AND PROVIDE A SET TO HE OWNER PRIOR TO DEMOBILIZATION OF THE SITE. SEE SPECIFICATIONS









REVISION ISSUED FOR: PRELIMINAR' NOT FOR CONSTRUCTION

SUE DATE: NOV. 2023 T. STAFFORD PPROVED BY: T. STAFFOR HECKED BY: B. HAYDEN RAWN BY DESIGNER B WANG & O JOB NO 23440.0 LEGEND.DW

GENERAL

LEGEND

SHEET: 1/G-1 OF: 19

EXISTING	PROPOSED	DESCRIPTION
д		SIGN
		SHRUB
		DD TIE# ANDCOM

h.,	
	RR TIE/LANDSCAPE BORDER
袋	TREE (CONIFER)
\odot	TREE (DECIDUOUS)

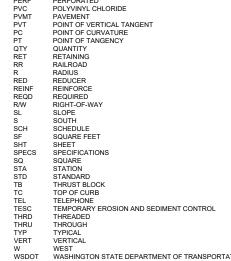
COVER		
SHEET	G-1	LEGEND
SHEET	G-2	SURVEY AND ALIGNMENT CONTROL TABLES
SHEET	TE-1 - TE-2	EROSION CONTROL NOTES AND DETAILS
SHEET	C-1 - C-3	PLAN AND PROFILE
SHEET	C-4 - C-6	INTERSECTION PLANS
SHEET	SD-1	STORM SECTION AND DETAILS
SHEET	RD-1	TYPICAL ROADWAY CROSS SECTION
SHEET	RD-2 - RD-4	ROADWAY DETAILS

DESCRIPTION

STORM DRAINAGE DETAILS SHEET RD-5

SHEET **CHANNELIZATION AND SIGNING DETAILS**

SHEET TC-1-TC-2 TRAFFIC CONRTOL NOTES AND DETAILS



WSDOT WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

W/O WITHOUT

INV

MAX MFR MH MIN MJ MISC

OC OD PI PP

PERF

INVERT INCH LENGTH

POUND LINEAR FEET MAXIMUM

MANHOLE MINIMUM MECHANICAL JOINT MISCELLANEOUS

NORTH

NUMBER

ON CENTER

POWER POLE

PERFORATED

MANUFACTURER

NOT TO SCALE NO STEEPER THAN

OUTSIDE DIAMETER

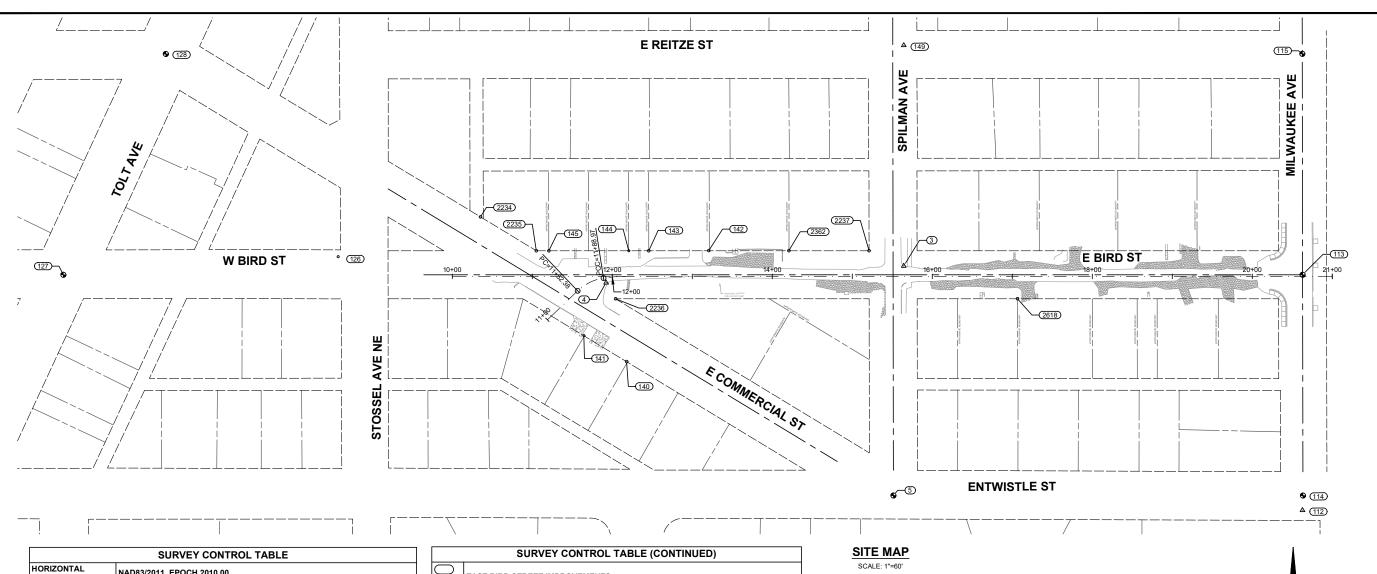
POINT OF VERTICAL INTERSECTION

PLAIN END
POINT OF REVERSE CURVE

PAVEMENT
POINT OF VERTICAL TANGENT

POLYVINYL CHLORIDE

POINT OF CURVATURE



	SURVEY CONTROL TABLE				
HORIZONTAL DATUM:		NAD83/2011, EPOCH 2010.00			
-		WASHINGTON PLANE COORDINATE SYSTEM, NORTH ZONE, GRID NORTH. MODIFIED GROUND COORDINATES, SCALED TO GROUND USING AVG. CGF OF 0.99997731 AT BASE POINT G&O#1 (WSDOT "CAR")			
VERTIC	AL DATUM:	NAVD88			
	EAST BIRD S	TREET IMPROV	/EMENTS		
POINT	NORTHING	EASTING	ELEV	DESCRIPTION	
3	238470.00	1375164.67	88.34	SSNT=SET LARGE MAG NAIL W/ "G&O CONTROL" TAG. 0.5' SW OF NE EDGE OF ASPHALT AT 1/2D OF RETURN. NE QUAD INTX SPILMAN AVE & E BIRD ST.	
4	238453.70	1374792.31	83.83	SSNT, 2.5' NW OF SE EDGE OF ASPHALT E BIRD ST IN SE QUAD E BIRD ST & E COMMERCIAL AVE. EVEN W/ CENTERLINE DOORWAY OF 32022 E BIRD ST.	
5	238183.26	1375148.18	88.63	SFMC, 1 5/8" BRASS DISC W/ PUNCH SET IN CONC POST. DOWN 0.5' IN CASE. INTX SPILMAN AVE & ENTWISTLE ST.	
112	238158.54	1375659.20	92.50	SSNT, S SIDE OF ENTWISTLE AT CENTER OF MONUMENT LINE ALONG MILWAUKEE AVE EXTENDED TO 1.5' N OF THE S EDGE OF CONC GUTTER. 9' N OF POWER POLE "223820/173556."	
113	238452.83	1375663.04	88.39	SFMC, 2" BRASS DISC W/ "X" & PUNCH, SET IN CONC BLOCK. DOWN 0.4' IN CASE. INTX E BIRD ST & MILWAUKEE AVE, 1' W OF E FOG LINE.	
114	238176.83	1375660.06	92.42	SFMC, 2" BRASS DISC W/ PUNCH, SET IN CONC BLOCK. DOWN 0.4' IN CASE. INTX ENTWISTLE ST & MILWAUKEE AVE. 2' N OF CENTERLINE OF ENTWISTLE. EASTERLY FOG LINE OF MILWAUKEE EXTENDED.	
126	238490.36	1374457.84	81.04	SSRC=SET 5/8" REBAR W/ RED "G&O CONTROL" CAP, NW QUADRANT INTX BIRD ST & STOSSEL AVE. N & E OF OF BACK WALK IN GRASS FOR HOPELINK BLDG. 2' OF N-S WALK. 8.5' N OF E-W WALK.	
127	238472.03	1374114.11	78.60	SFMC, 3" BRASS DOME "WSDOT SURVEY MONUMENT LS 45174 2022." DOWN 0.5' IN CASE. CENTER OF INTX BIRD ST & TOLT AVE.	
128	238746.34	1374245.61	78.69	SFMC, 3" BRASS DOME "WSDOT SURVEY MONUMENT LS 45174 2022." DOWN 0.5' IN CASE. CENTER OF INTX COMMERCIAL ST & TOLT AVE.	
140	238354.80	1374816.73	84.29	SFRC=FOUND REBAR W/ CAP, 1/2" REBAR W/ "LS 45174" CAP.	
141	238387.82	1374763.77	83.56	SFP=FOUND PIPE, 1/2" OUTSIDE DIAMETER IRON PIPE W/ TACK & TAG ON TOP.	
142	238492.20	1374921.18	85.07	SFRC, 1/2" REBAR W/ "YS COLE LS 15XXX?" CAP W/ TACK.	
143	238492.94	1374846.22	84.47	SFRC, 1/2" REBAR W/ "MODAWELL LS 19582" CAP.	
144	238493.24	1374821.18	85.00	SFR=FOUND REBAR, 5/8" REBAR, IN TREE ROOT. UP 1.0' IN PVC PIPE.	

		SURVEY CO	NTROL	_ TABLE (CONTINUED)
	EAST BIRD S	EAST BIRD STREET IMPROVEMENTS		
POINT	NORTHING	EASTING	ELEV	DESCRIPTION
145	238494.42	1374721.27	82.80	SFRC, 1/2" REBAR W/ "STANTEC BOUNDARY" CAP (#36802).
149	238745.76	1375168.04	86.96	SSNT, NE QUADRANT INTX SPILLMAN AVE & REITZE ST. 0.6' FROM EDGE OF ASPHALT IN CURVE.
2234	238537.84	1374636.34	82.32	SFRC, 1/2" REBAR W/ "STANTEC BOUNDARY 36802" CAP SHOT W/ OFFSET
2235	238494.62	1374705.62	82.89	SFRC, 1/2" REBAR W/ "STANTEC BOUNDARY 36802" CAP SHOT W/ OFFSET
2236	238433.42	1374803.93	84.15	SFRC, 3/8" REBAR W/ "CHIC LS 12786" CAP. SLIGHT LEAN TO NW, SHOT TOP CENTER. DOWN 0.3' IN GRASS.
2237	238489.61	1375121.50	87.20	SFRC, 5/8" REBAR W/ "CRONES LS 29537" CAP. DOWN 0.15' IN GRASS.
2362	238490.84	1375021.26	86.31	SFRC, 5/8" REBAR W/ "CRONES LS 29537" CAP.
2618	238427.28	1375306.26	88.83	SFRC, 5/8" REBAR W/ 2 1/2" ALUMINUM "GEODATUM INC LS 31976 LS 38964" CAP. UP 0.4' ABOVE GRADE.

RIGHT-OF-WAY DISCLAIMER

THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.

Gray & Osborne, Inc 1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860





CITY OF **CARNATION**

EAST BIRD STREET IMPROVEMENTS

SSUED FOR: NOT FOR (PRELIMINARY,
SSUE DATE:	NOV. 2023
APPROVED BY:	T. STAFFORD
CHECKED BY:	R. BOND
DRAWN BY:	B. HAYDEN
DESIGNER:	B.WANG
G & O JOB NO.:	23440.07
II F:	SURV DWG

TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

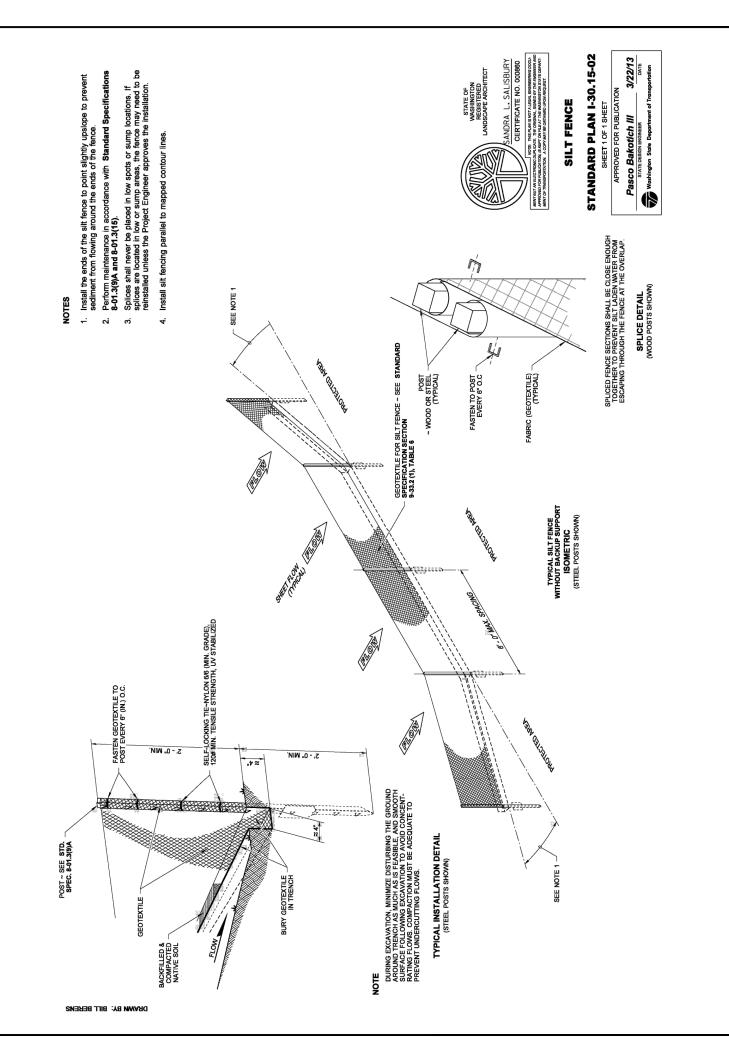
GENERAL

SURVEY AND ALIGNMENT CONTROL **TABLES**

SHEET: **2/G-2** OF: **19**

EROSION/SEDIMENTATION CONTROL NOTES

- CONTRACTOR SHALL SUBMIT TEMPORARY WATER POLLUTION/EROSION CONTROL PLAN PER THE CONTRACT SPECIFICATIONS.
- ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION SHALL BE OBSERVED DURING CONSTRUCTION.
- 3. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES MUST BE IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND /OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND AS UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE PROPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
- 5. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF THE SEDIMENT. ALL CATCH BASINS, CONVEYANCE LINES AND DITCHES SHALL BE CLEANED PRIOR TO PAVING.
- 6. THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE CITY RIGHT-OF-WAY OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM.
- 7. TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY AND MAINTAINED WITHIN 24 HOURS FOLLOWING A STORM EVENT. SEDIMENT SHALL BE REMOVED TO INSURE THE FACILITIES WILL FUNCTION PROPERLY. THE FACILITIES SHALL BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- 9. NO DISTURBED SOIL SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS.





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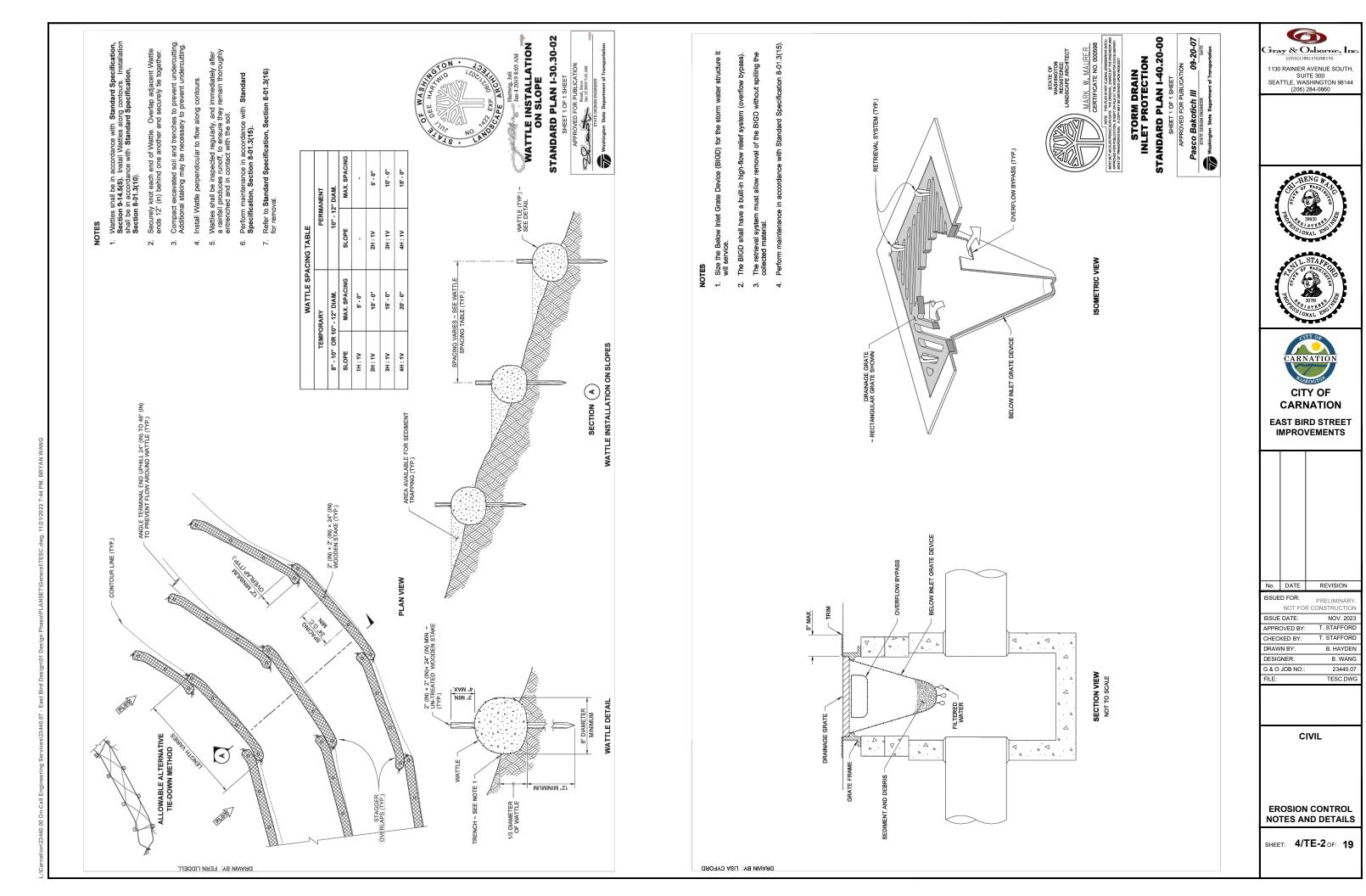


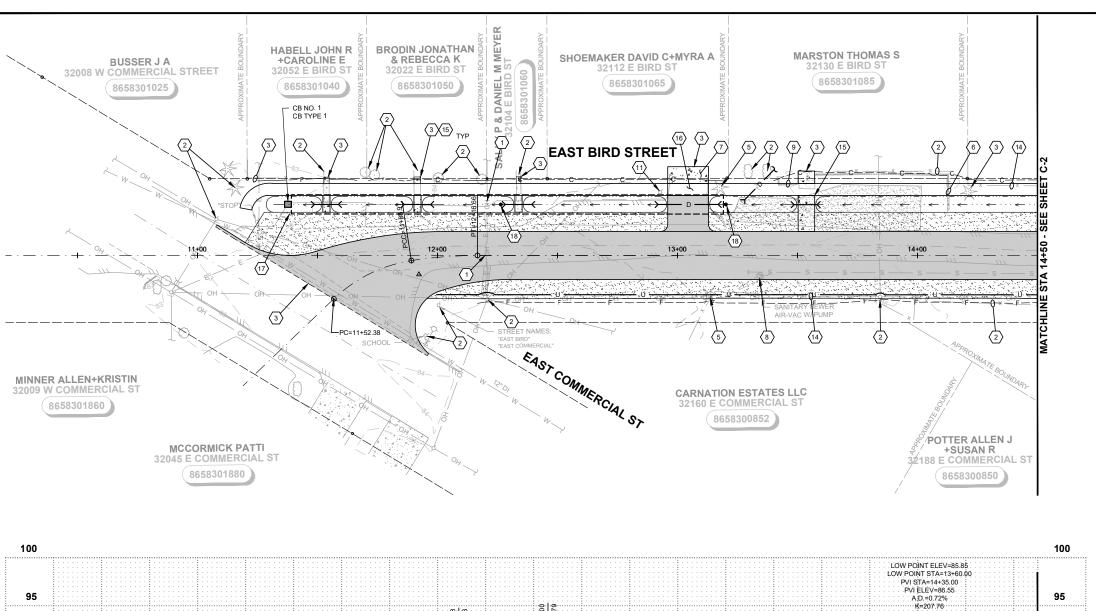
No.	DATE	REVISION
ISSUED FOR:		PRELIMINARY.
	NOT FO	R CONSTRUCTION
ISSUE DATE:		NOV. 2023
APPR	OVED BY:	T. STAFFORD
CHECKED BY:		T. STAFFORD
DRAWN BY:		B. HAYDEN
DESIGNER:		B. WANG
G & O	JOB NO.:	23440.07
FILE:		TESC.DWG

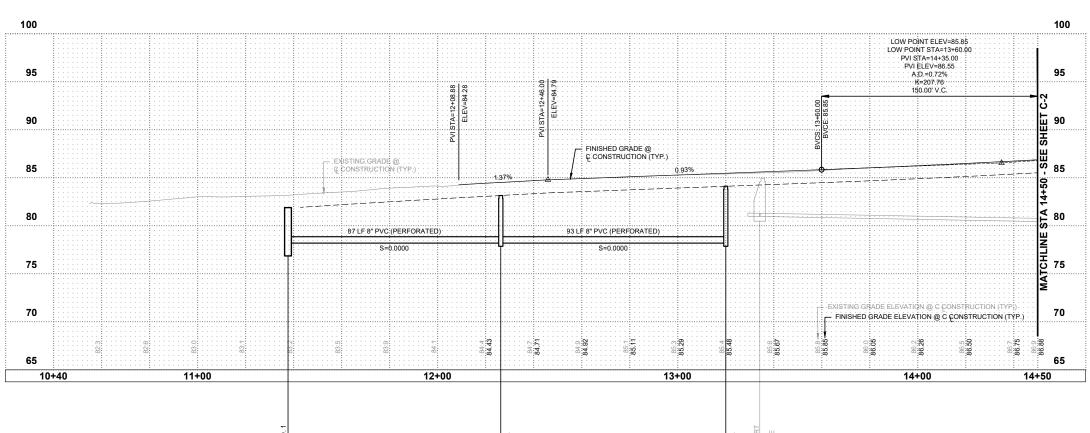
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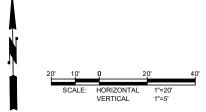
EROSION CONTROL NOTES AND DETAILS

SHEET: 3/TE-1 OF: 19









TRIM OVERHANGING BRANCHES TO PROVIDE CLEARANCE AROUND

¬ ROADWAY & STORM DRAINAGE NOTES

- 1 CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK.
- 2 PROTECT EXISTING CURB, SIDEWALK, HYDRANT, TREE, FENCE, POLE, SIGN DURING CONSTRUCTION.
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- 4 REMOVE AND WASTEHAUL EXISTING STORM DRAINAGE STRUCTURE(S)/PIPE.
- 5 REMOVE EXISTING TREE.
- 6 REMOVE AND DISPOSE OF EXISTING RR TIE.
- CONSTRUCT CEMENT CONCRETE DRIVEWAY REPAIR PER DETAIL SHEET RD-2.
- 8 ADJUST EXISTING MANHOLE TO GRADE.
- 9 RELOCATE EXISTING RR TIE TO BACK OF SIDEWALK.
- 10 CONSTRUCT HMA DRIVEWAY REPAIR PER DETAIL SHEET RD-2.
- 11 REMOVE AND RELOCATE EXISTING YARD LIGHT.
- 12 CEMENT CONCRETE CURB RAMP SINGLE DIRECTION.
- 13 CEMENT CONCRETE CURB RAMP TYPE PARALLEL.
- 14 RELOCATE EXISTING GATE OR EXISTING FENCE TO BACK OF SIDEWALK.
- 15 CEMENT CONCRETE PATH
- 16 CEMENT CONCRETE DRIVEWAY
- 17 INFILTRATION TRENCH PER DETAIL ON SHEET SD-1
- 18 CLEANOUT PER DETAIL ON SHEET SD-1

CHANNELIZATION NOTES

- 1 FURNISH AND INSTALL PAINTED YELLOW CENTERLINE PER DETAIL
- 2 FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET 24.
- SHEET 24.

 FURNISH AND INSTALL 24" PLASTIC STOP LINE, PER DETAILS SHEET 24.

SIGNING NOTES

1 RELOCATE EXISTING SIGNS. FURNISH AND INSTALL NEW HARDWARE AND POST TYPE ST-2, PER DETAIL, SHEETS 26 WASTE HAUL EXISTING POST AND FOUNDATION.



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CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS



SSUED FOR:	PRELIMINARY,
NOTFO	R CONSTRUCTION
SSUE DATE:	NOV. 2023
PPROVED BY:	T. STAFFORD
CHECKED BY:	T. STAFFORD
RAWN BY:	B. HAYDEN
ESIGNER:	B. WANG
& O JOB NO.:	23440.07

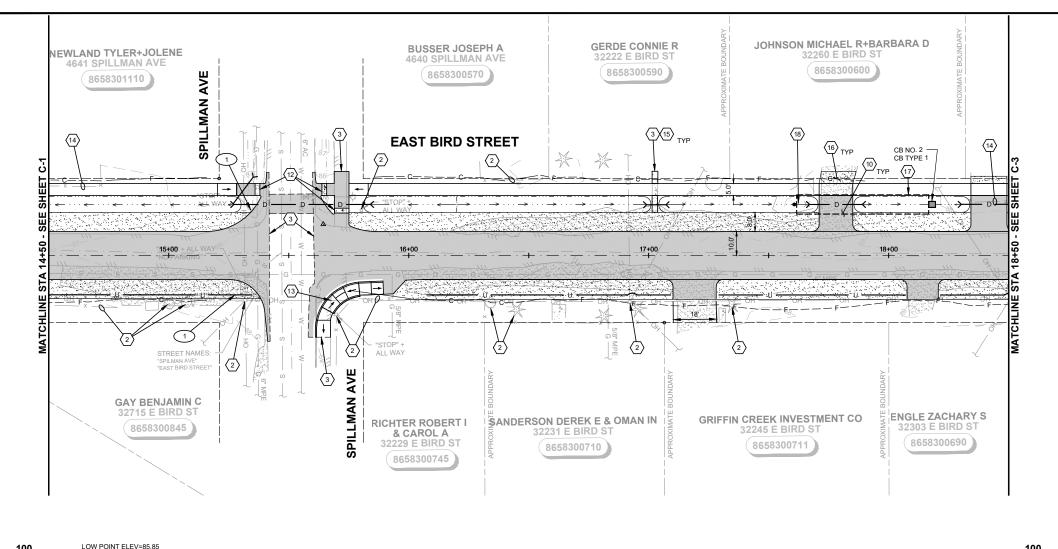
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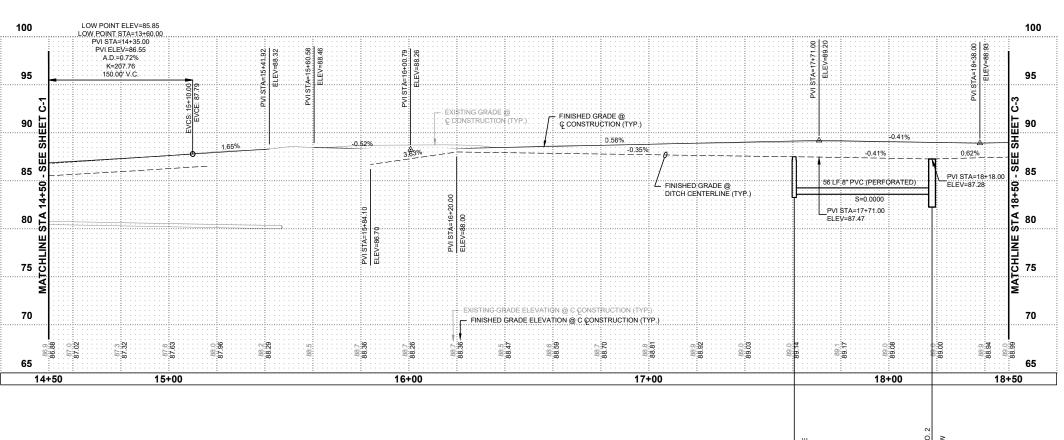
TWO INCHES AT FULL SCALE.

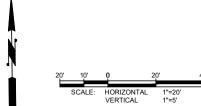
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PLAN AND PROFILE

SHEET: 5/ C-1 OF: 19







TRIM OVERHANGING BRANCHES TO PROVIDE CLEARANCE AROUND

¬ ROADWAY & STORM DRAINAGE NOTES

- 1 CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK.
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- 5 REMOVE EXISTING TREE.
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- 7 CONSTRUCT CEMENT CONCRETE DRIVEWAY REPAIR PER DETAIL SHEET RD-2.
- 8 ADJUST EXISTING MANHOLE TO GRADE.
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- 16 CEMENT CONCRETE DRIVEWAY
- 17 INFILTRATION TRENCH PER DETAIL ON SHEET SD-1
- 18 CLEANOUT PER DETAIL ON SHEET SD-1

- FURNISH AND INSTALL PAINTED YELLOW CENTERLINE PER DETAIL SHEET 24.
- 2 FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL,
- 3 FURNISH AND INSTALL 24" PLASTIC STOP LINE, PER DETAILS SHEET 24.

SIGNING NOTES

1 RELOCATE EXISTING SIGNS. FURNISH AND INSTALL NEW HARDWARE AND POST TYPE ST-2, PER DETAIL, SHEETS 26. WASTE HAUL EXISTING POST AND FOUNDATION.



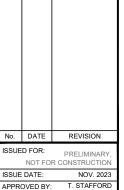
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH,
SUITE 300
SEATTLE, WASHINGTON 98144
(206) 284-0860





CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS



8 & O JOB NO.: 23440.07
ILE: PLANPROF.DWC

1" 2"

TWO INCHES AT FULL SCALE.

CHECKED BY: DRAWN BY:

DESIGNER

T. STAFFOR

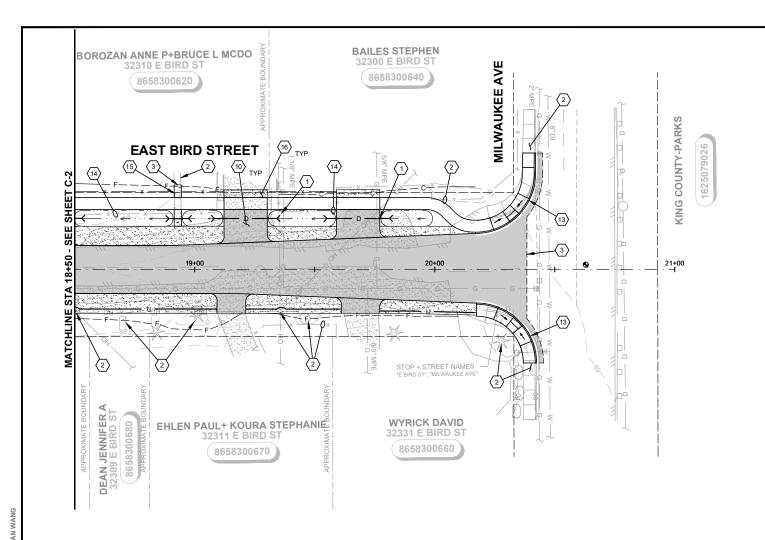
B. HAYDEN

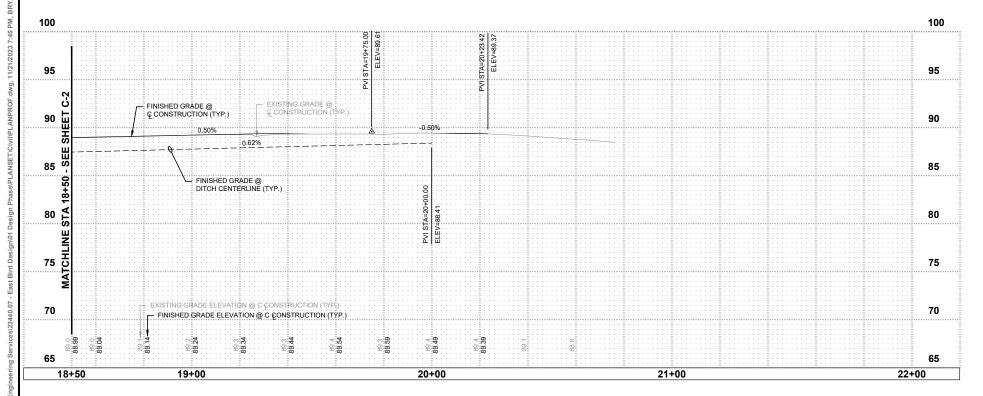
B WANG

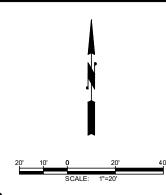
CIVIL

PLAN AND PROFILE

SHEET: 6/C-2 OF: 19







TRIM OVERHANGING BRANCHES TO PROVIDE CLEARANCE AROUND SIDEWALK.

ROADWAY & STORM DRAINAGE NOTES

- CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK.
- 2 PROTECT EXISTING CURB, SIDEWALK, HYDRANT, TREE, FENCE, POLE, SIGN DURING CONSTRUCTION.
- 3 SAWCUT EXISTING PAVEMENT AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
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- 17 INFILTRATION TRENCH PER DETAIL ON SHEET SD-1
- 18 CLEANOUT PER DETAIL ON SHEET SD-1

CHANNELIZATION NOTES

- 1 FURNISH AND INSTALL PAINTED YELLOW CENTERLINE PER DETAIL SHEET 24.
- 2 FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET 24
- 3 FURNISH AND INSTALL 24" PLASTIC STOP LINE, PER DETAILS SHEET 24.

SIGNING NOTES

1 RELOCATE EXISTING SIGNS. FURNISH AND INSTALL NEW HARDWARE AND POST TYPE ST-2, PER DETAIL, SHEETS 26. WASTE HAUL EXISTING POST AND FOUNDATION.



1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860





CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS

).	DATE	REVISION
UED FOR:		PRELIMINARY,

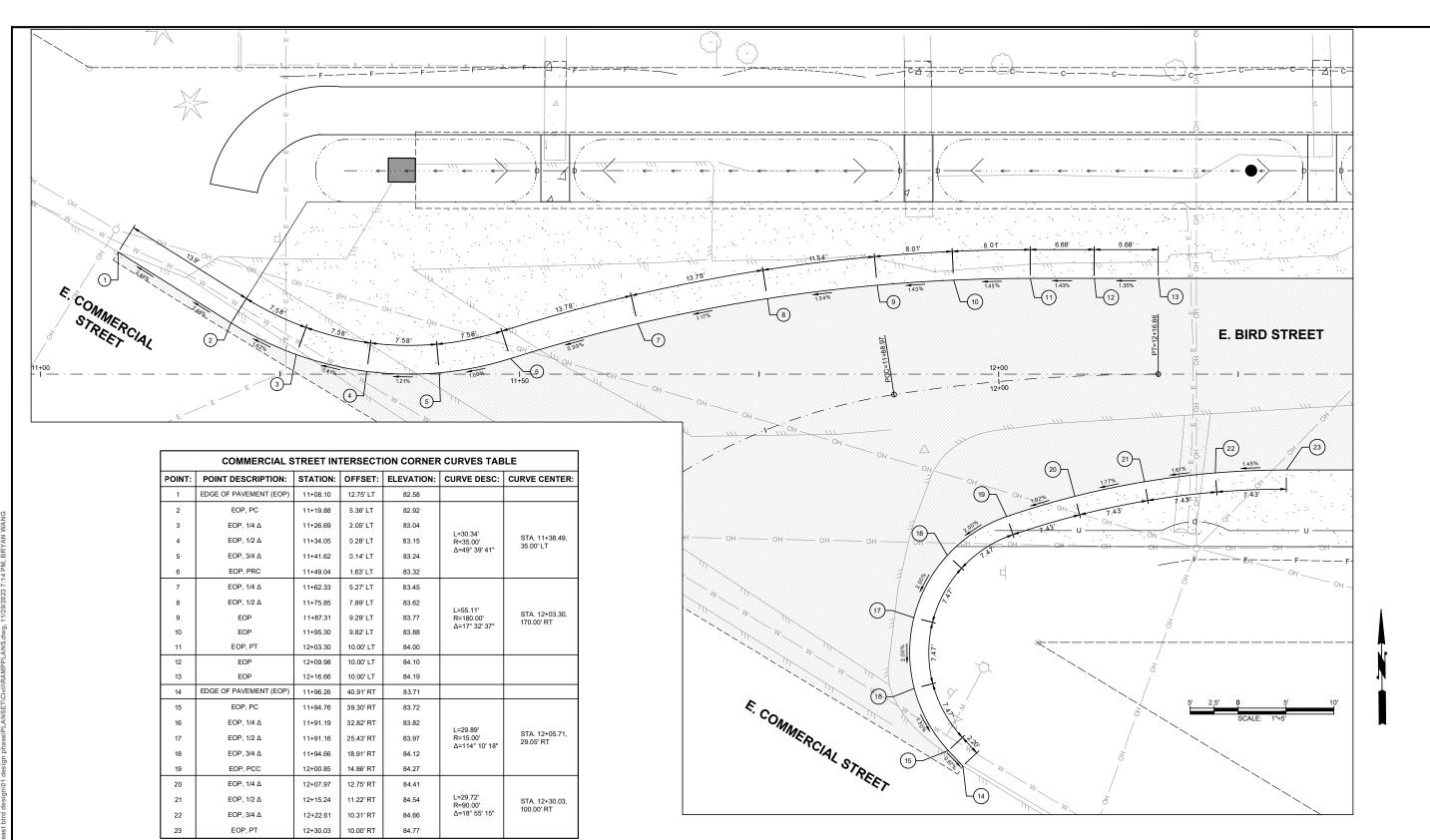
IVO.	DAIL	KEVISION
SSUE	D FOR:	PRELIMINARY,
	NOT FOR	R CONSTRUCTION
SSUE	DATE:	NOV. 2023
APPR	OVED BY:	T. STAFFORD
CHEC	KED BY:	T. STAFFORD
DRAW	'N BY:	B. HAYDEN
DESIG	NER:	B. WANG
3 & O	JOB NO.:	23440.07
FILE:		PLANPROF.DWG



CIVIL

PLAN AND PROFILE

SHEET: 7/C-3 OF: 19



- CURB TYPE AS INDICATED ON THE PLAN. SEE DETAILS,
 SHEET.
- 2. SEE CEMENT CONCRETE SIDEWALK AND JOINTS DETAIL, SHEET _____.
- 3. SEE WSDOT STANDARD PLAN F-45.10-03 FOR DETECTABLE WARNING SURFACE DETAILS. SEE SHEET ____.
- 4. ONCE CURB STRING LINES AND/OR FORMS HAVE BEEN SET BY THE CONTRACTOR THE CONTRACTING AGENCY WILL REVIEW AND APPROVE THE CURB LINES PRIOR TO POURING. THE CONTRACTOR SHALL ANTICIPATE FIELD ADJUSTMENTS WILL BE REQUIRED AT NO ADDITIONAL COST. THE CONTRACTOR SHALL STRUCTURE HIS BID ACCORDINGLY.



1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860





CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS

No. DATE REVISION
ISSUED FOR: PRELIMINARY,
NOT FOR CONSTRUCTION
ISSUE DATE: NOV. 2023
APPROVED BY: T. STAFFORD
CHECKED BY: T. STAFFORD

0 1" 2'
TWO INCHES AT FULL SCALE.

B. HAYDEN

B. WANG

23440.0

RAMPPLANS.DW

DRAWN BY:

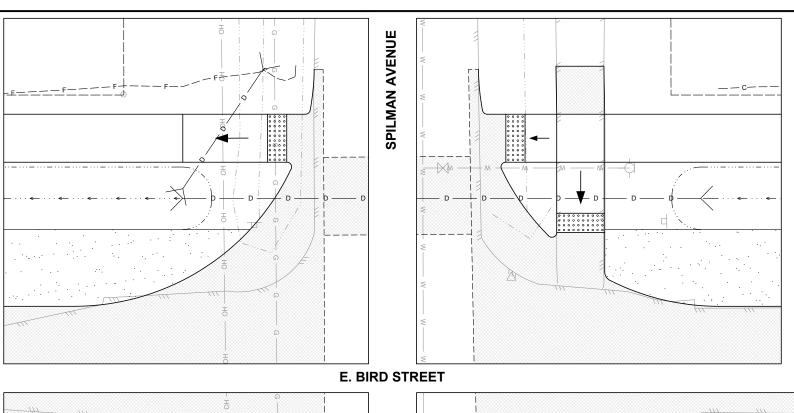
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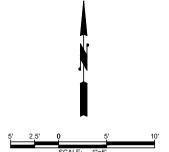
& O JOB NO.

CIVIL

INTERSECTION PLANS

SHEET: 8/C-4 OF: 19





- CURB TYPE AS INDICATED ON THE PLAN. SEE DETAILS, SHEET _____.
- SEE CEMENT CONCRETE SIDEWALK AND JOINTS DETAIL, SHEET _____.
- 3. SEE WSDOT STANDARD PLAN F-45.10-03 FOR DETECTABLE WARNING SURFACE DETAILS. SEE SHEET ____.
- 4. ONCE CURB STRING LINES AND/OR FORMS HAVE BEEN SET BY THE CONTRACTOR THE CONTRACTING AGENCY WILL REVIEW AND APPROVE THE CURB LINES PRIOR TO POURING. THE CONTRACTOR SHALL ANTICIPATE FIELD ADJUSTMENTS WILL BE REQUIRED AT NO ADDITIONAL COST. THE CONTRACTOR SHALL STRUCTURE HIS BID ACCORDINGLY.

RAMP CONSTRUCTION NOTES

- CONTRACTOR TO FIELD VERIFY AND ADJUST RAMP LENGTH TO MEET RAMP SLOPE REQUIREMENTS PER DETAILS. THE CURB RAMP MAXIMUM RUNNING SLOPE AT THE BACK OF THE RAMP SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15-FEET.
- RAMP. CROSS SLOPE SHALL NOT EXCEED 2.0% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 8.33% (UNLESS NOTED OTHERWISE ON PLANS).
- 3. LANDING. CROSS SLOPES SHALL NOT EXCEED 2.0% (UNLESS NOTED OTHERWISE ON PLANS).
- 4. DETECTABLE WARNING SURFACE. 2' MIN. ALONG DIRECTION OF TRAVEL, TYP. FOR ALL APPLICATIONS.
- PARALLEL CURB RAMP PER PLAN AND WSDOT STANDARD PLAN F-40-12.03. SEE SHEET _____.
- SIDEWALK GRADE TRANSITION SECTION, CROSS SLOPE SHALL NOT EXCEED 2.0% AND RUNNING SLOPE SHALL NOT EXCEED 5%.

HENG THENG

6

Fray & Osborne, Inc

1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860



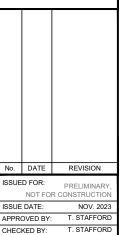
CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS

Q CONSTRUCTION OFFSET DISTANCE VARIES (SEE TABLE) FLOWLINE ELEVATION SEE TYPICAL SECTIONS FOR PAVEMENT SECTION FOR PAVEMENT SECTION

FLOWLINE ELEVATION AND OFFSET DETAIL

NITC



0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

B. HAYDEN

B. WANG

: 23440.07 RAMPPLANS.DWG

DRAWN BY:

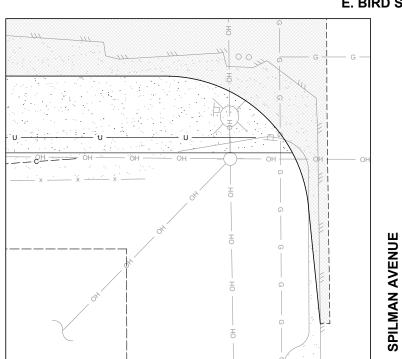
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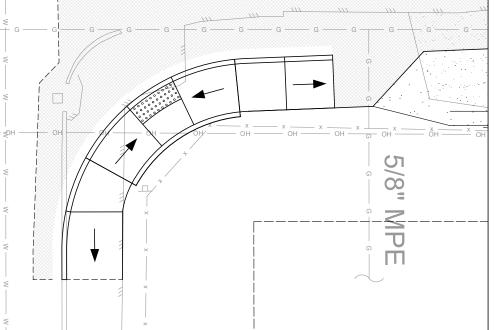
3 & O JOB NO.

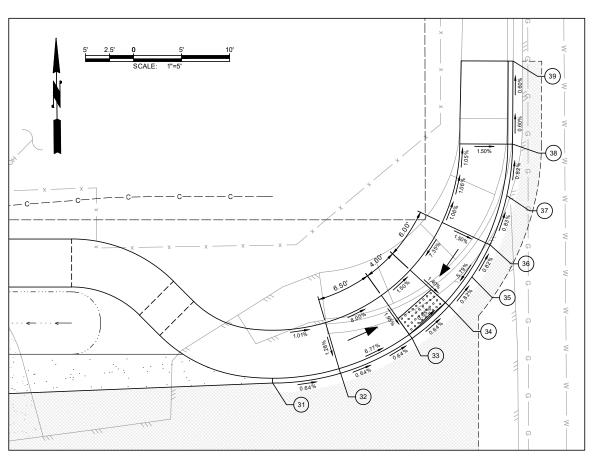
CIVIL

INTERSECTION PLANS

SHEET: 9/C-5 OF: 19

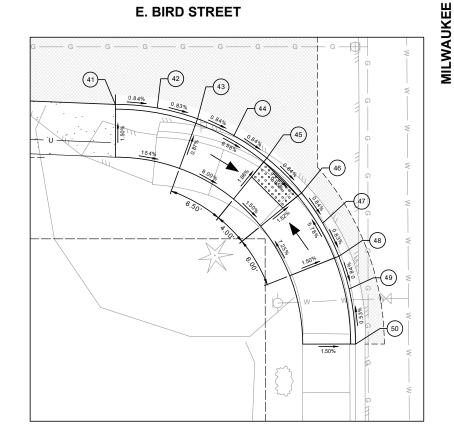






E. BIRD STREET

BROOM FINISH ON RAMPS/LANDINGS/SIDEWALK



MILWAKEE NW QUADRANT CURB TABLE							
POINT:	POINT DESCRIPTION:	STATION:	OFFSET:	ELEVATION:	CURB HEIGHT:	CURVE DESC.:	CURVE CENTER:
31	PC, FLOWLINE	20+16.99	15.00' LT	89.10	6.00"		
32	RAMP TOP, FLOWLINE	20+24.05	16.02' LT	89.06	6.00"		
33	RAMP TOE, LANDING, FLOWLINE	20+31.51	19.65' LT	89.00	0.00"		
34	RAMP TOE, LANDING, FLOWLINE	20+35.35	23.04' LT	88.97	0.00"	L=39.16' R=25.00'	STA. 20+16.99,
35	FLOWLINE	20+37.73	26.05' LT	88.94	3.00"	Δ=89° 44' 34"	40.00' LT
36	RAMP TOP, FLOWLINE	20+39.63	29.40' LT	88.91	6.00"		
37	FLOWLINE	20+41.38	34.51' LT	88.86	6.00"		
38	PT, FLOWLINE	20+41.98	39.89' LT	88.82	6.00"		
39	FLOWLINE	20+42.02	48.54' LT	88.76	6"± (MATCH EX.)		

GENERAL NOTES

- 1. CURB TYPE AS INDICATED ON THE PLAN. SEE DETAILS,
- SEE CEMENT CONCRETE SIDEWALK AND JOINTS DETAIL, SHEET _____.
- 3. SEE WSDOT STANDARD PLAN F-45.10-03 FOR DETECTABLE WARNING SURFACE DETAILS. SEE SHEET _____.
- 4. ONCE CURB STRING LINES AND/OR FORMS HAVE BEEN SET BY THE CONTRACTOR THE CONTRACTING AGENCY WILL REVIEW AND APPROVE THE CURB LINES PRIOR TO POURING. THE CONTRACTOR SHALL ANTICIPATE FIELD ADJUSTMENTS WILL BE REQUIRED AT NO ADDITIONAL COST. THE CONTRACTOR SHALL STRUCTURE HIS BID ACCORDINGLY.

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- 2. RAMP. CROSS SLOPE SHALL NOT EXCEED 2.0% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 8.33% (UNLESS NOTED OTHERWISE ON PLANS).
- 3. LANDING. CROSS SLOPES SHALL NOT EXCEED 2.0% (UNLESS NOTED OTHERWISE ON PLANS).
- 4. DETECTABLE WARNING SURFACE. 2' MIN. ALONG DIRECTION OF TRAVEL, TYP. FOR ALL APPLICATIONS.
- 5. PARALLEL CURB RAMP PER PLAN AND WSDOT STANDARD PLAN F-40-12.03. SEE SHEET
- SIDEWALK GRADE TRANSITION SECTION, CROSS SLOPE SHALL NOT EXCEED 2.0% AND RUNNING SLOPE SHALL NOT EXCEED 5%.



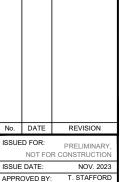
1130 RAINIER AVENUE SOUTH, SUITE 300 SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860





CITY OF **CARNATION**

EAST BIRD STREET IMPROVEMENTS



& O JOB NO 23440.0 RAMPPLANS.DW

T. STAFFORD

B. HAYDEN

B. WANG

PPROVED BY:

CHECKED BY:

DRAWN BY:

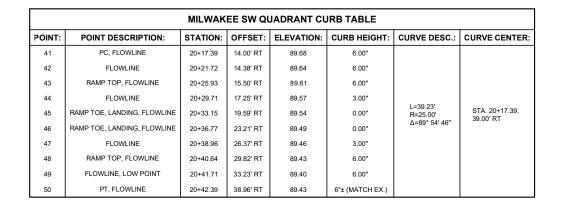
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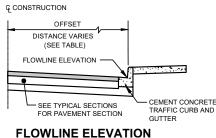
TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CIVIL

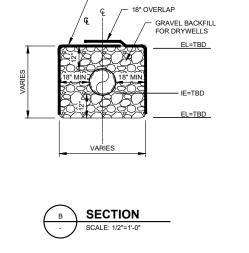
INTERSECTION PLANS

SHEET: 10/C-6 OF: 19

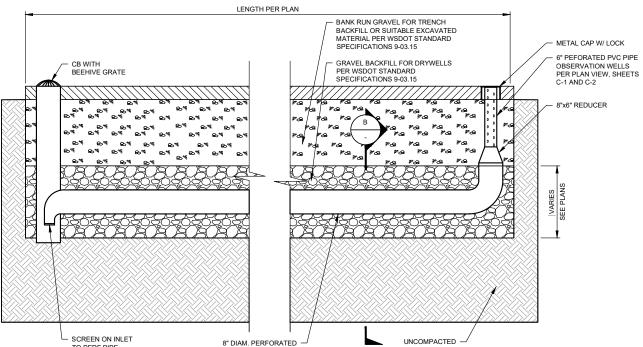




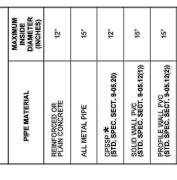
AND OFFSET DETAIL

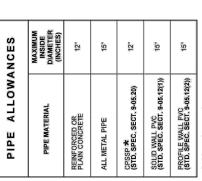


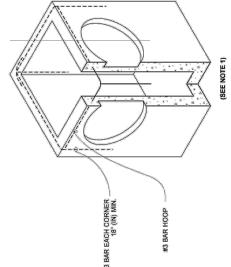
- UNDERGROUND DRAINAGE GEOTEXTILE, MODERATE SURVIVABILITY, CLASS A. GEOTEXTILE SHALL BE OF SUFFICIENT LENGTH TO WRAP THE ENDS OF THE INFILTRATION TRENCH.

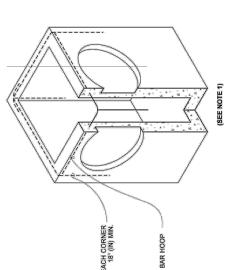














CATCH BASIN TYPE 1

STANDARD PLAN

APPROVED FOR ROark, Steve

1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860



6 Fray & Osborne, Inc



CITY OF **CARNATION EAST BIRD STREET**

IMPROVEMENTS

ISSUED FOR: NOT FOR CONSTRUCTION ISSUE DATE: NOV. 2023 PPROVED BY: T. STAFFORD T. STAFFORD CHECKED BY: DRAWN BY: B. HAYDEN DESIGNER: B. WANG 3 & O JOB NO. 23440.07 STORM_DET.DWG

CIVIL

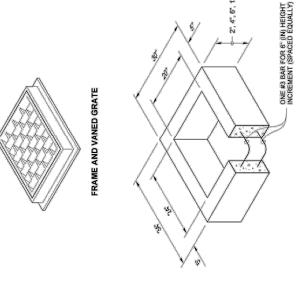
STORM SECTION AND **DETAILS**

SHEET: 12/SD-1 OF: 19

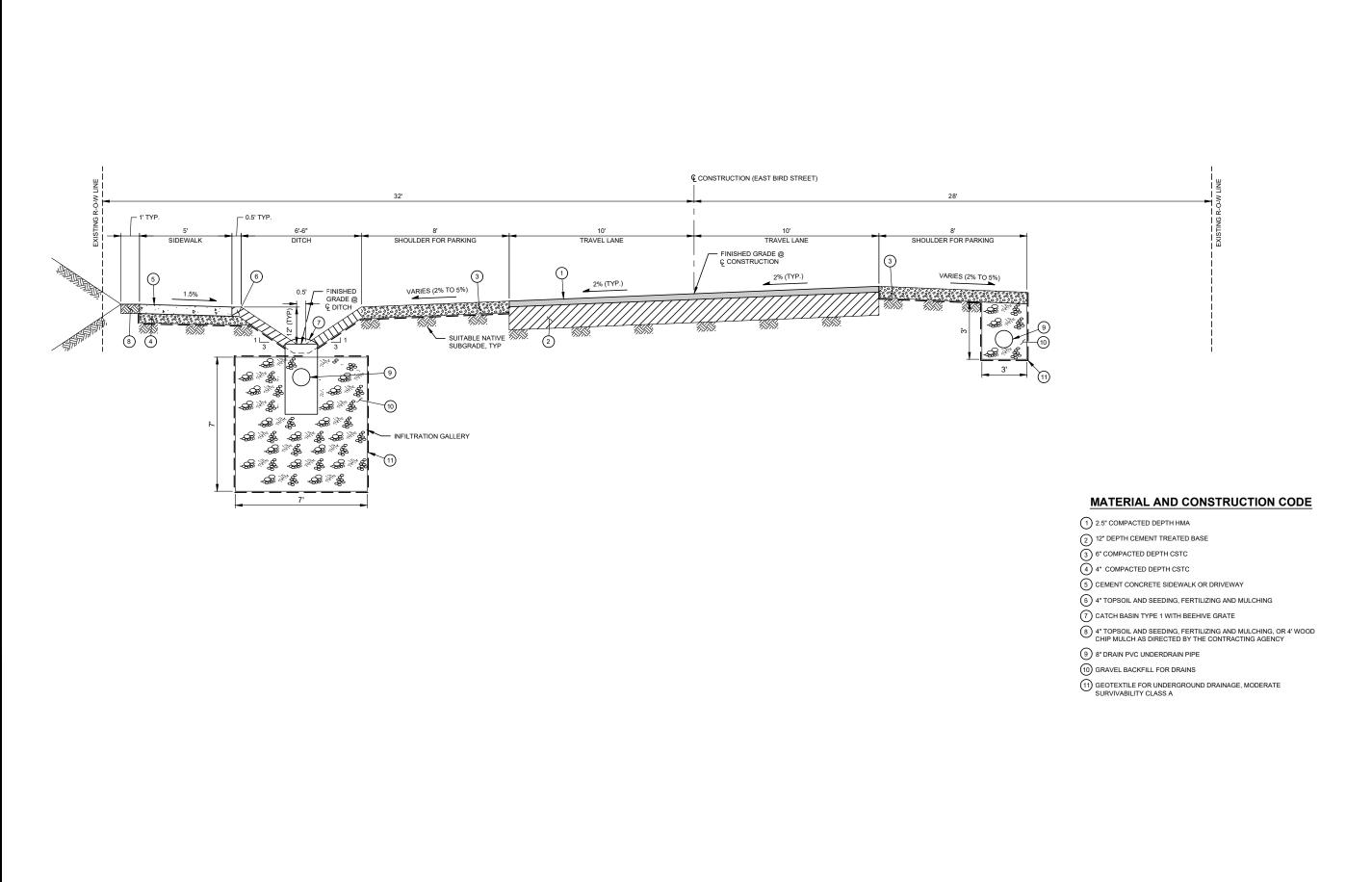


NATIVE SOIL

PVC PIPE S=0.00%



DRAWN BY: FERN LIDDELL





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CITY OF CARNATION

EAST BIRD STREET IMPROVEMENTS

No.	DATE	REVISION
SSUE	D FOR: NOT FOI	PRELIMINARY, R CONSTRUCTION
SSUE	DATE:	NOV. 2023
PPR	OVED BY:	T. STAFFORD
HEC	KED BY:	T. STAFFORD

B. HAYDEN

B. WANG

23440.07 TYP_XSEC.DWG

CIVIL

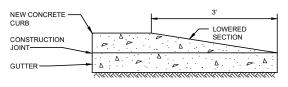
DRAWN BY:

DESIGNER:

G & O JOB NO.

TYPICAL ROADWAY CROSS SECTION

SHEET: 12/RD-1 OF: 19

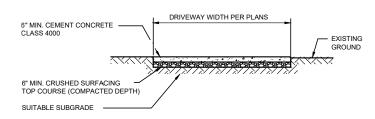


NOTE:

CONCRETE CURB END SECTION TO BE USED AT ALL LOCATIONS WHERE NEW CURB DOES NOT MEET EXISTING CURB OR AS REQUIRED IN THE FIELD. CONTRACTOR SHALL COORDINATE WITH

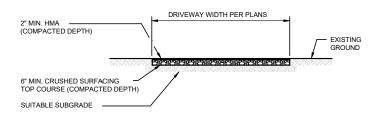
CONCRETE CURB END SECTION

NOT TO SCALE



CEMENT CONCRETE DRIVEWAY REPAIR

NOT TO SCALE

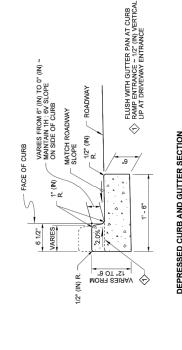


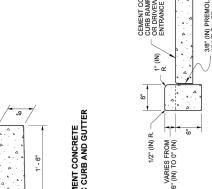
HMA DRIVEWAY REPAIR

NOT TO SCALE

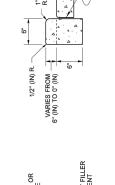
NOTE:

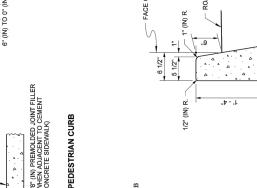
CONTRACTOR SHALL CONFIRM ALL DRIVEWAY APPROACH STATIONS AND WIDTH WITH CONTRACTING AGENCY PRIOR TO INSTALLATION.



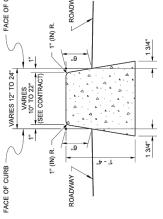


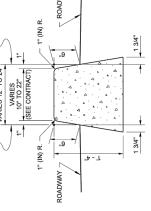
DRAWN BY: FERN LIDDELL











Michael S Deptaty signed by Michael S Fleming Date: 220.09.24 07.39.39 -0700 CEMENT CONCRETE CURBS

STANDARD PLAN F-10.12-04

DUAL-FACED CEMENT CONCRETE TRAFFIC CUR

CARNATIO **CITY OF CARNATION EAST BIRD STREET** IMPROVEMENTS

6 iray & Osborne, Inc

1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860

ISSUED FOR: NOT FOR CONSTRUCTION SSUE DATE: NOV. 2023 APPROVED BY: T. STAFFORD T. STAFFORD CHECKED BY: DRAWN BY: B. HAYDEN DESIGNER: B. WANG 3 & O JOB NO. 23440.07 RDDT.DWG

CIVIL

ROADWAY DETAILS

SHEET: 13/RD-20F: 19

Gray & Osborne, Inc 1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860

ROADWAY DETAILS

NOV. 2023

B. HAYDEN

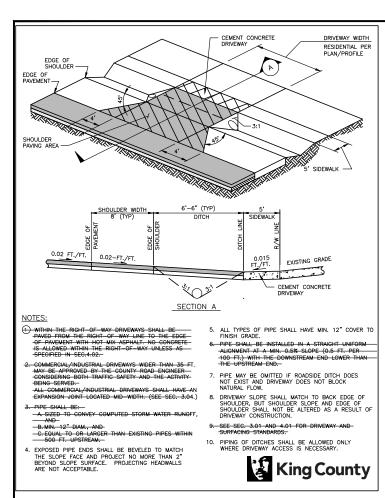
B. WANG

23440.07

RDDT.DWG

T. STAFFORE T. STAFFORD

SHEET: 14/RD-3 OF: 19

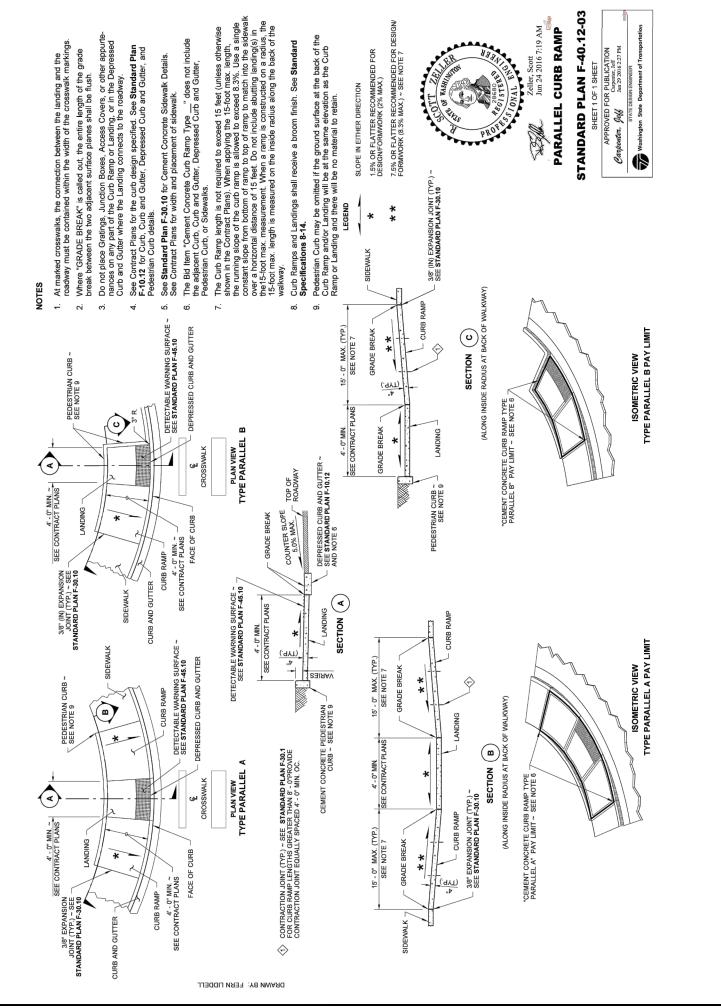






LIMITS OF TREE LIMBING

NOT TO SCALE





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No. DATE REVISION
ISSUED FOR: PRELIMINARY, NOT FOR CONSTRUCTION
ISSUE DATE: NOV. 2023
APPROVED BY: T. STAFFORD
CHECKED BY: T. STAFFORD

DRAWN BY:

3 & O JOB NO

DESIGNER

CIVIL

B. HAYDEN

B. WANG

23440.07

RDDT.DWG

ROADWAY DETAILS

SHEET: 15/RD-4 OF: 19

TRENCH SECTION - RIGID STORM PIPE

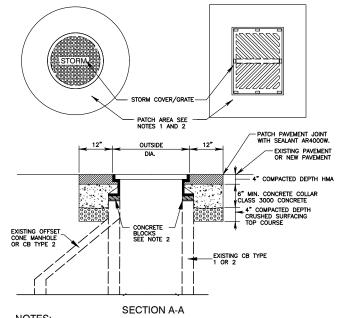
NOT TO SCALE

NOTES:

- THE TRENCH SECTIONS SHOWN ON THE PLANS ARE FOR THE PAYMENT LIMITS FOR BANK RUN GRAVEL FOR TRENCH BACKFILL. PAYMENT FOR ALL BANK RUN GRAVEL FOR TRENCH BACKFILL SHALL BE COMPUTED FROM THE MEASUREMENT OF THE CONSTRUCTED TRENCH SECTION, TO THE MAXIMUM LIMITS AS INDICATED IN THE TABLES.
- WHERE A "NEW ROADWAY SECTION" OR PAVEMENT REPAIR IS PROPOSED, THE TRENCH SECTION PAYMENT LIMIT LINE WILL BE BOUNDED AT THE TOP BY PAYEMENT SUBGRADE, PER TYPICAL ROADWAY SECTION DETAILS.

8" &	: 12"	DIA	MET	ER F	PIPE
А	6 OR LESS	8'	10'	12'	14
В		3	.0'		
O	1.5'	1.5'	1.75'	2.25'	2.75
D	6.0'	8.0'	8.5'	9.5'	10.5
Е			4"		

TYPICAL TRENCH EXCAVATION LIMITS STORM SEWER PIPE



NOTES:

- PAVEMENT AND BASE MATERIALS FOR A DISTANCE WHICH IS EQUAL TO THE DIAMETER OF THE FRAME PLUS TWO FEET. ADJUST CASTING FRAME TO NEW PAVEMENT SURFACE USING CONCRETE BLOCKS & CONCRETE GROUT.
- 2. 2"x4"x8" SOLID BRICK USED FOR FINAL ADJUSTMENT TO GRADE. 6" HIGH MAX.

MANHOLE-FRAME AND COVER ADJUSTMENT DETAIL



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No.	DATE	REVISION
ISSUE	D FOR: NOT FOI	PRELIMINARY, R CONSTRUCTION
		,
ISSUE	NOT FO	R CONSTRUCTION
ISSUE	NOT FOI	NOV. 2023
ISSUE	NOT FOI DATE: OVED BY: KED BY:	NOV. 2023 T. STAFFORD

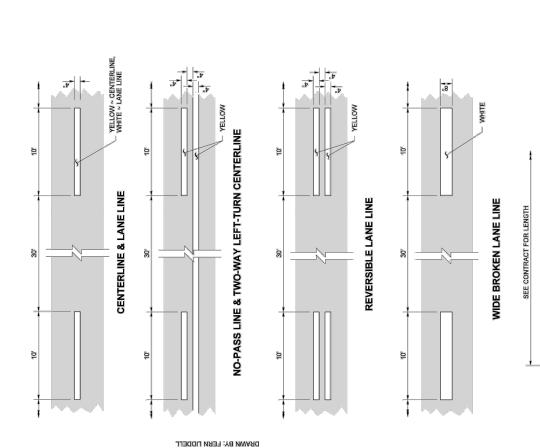
23440.07 SDDT.DWG

CIVIL

G & O JOB NO.

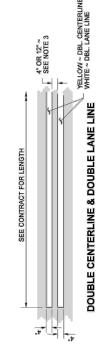
STORM DRAINAGE **DETAILS**

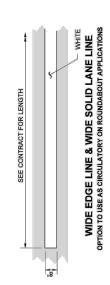
SHEET: 16/RD-5 OF: 19

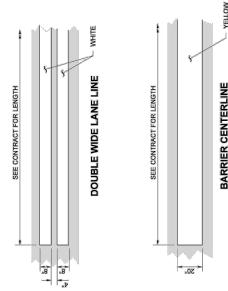




- nce between the lines of the Dout sre, except 4" for left-turn channeli: widths of 10 feet or less. Local A cify a 4" distance for all locations.

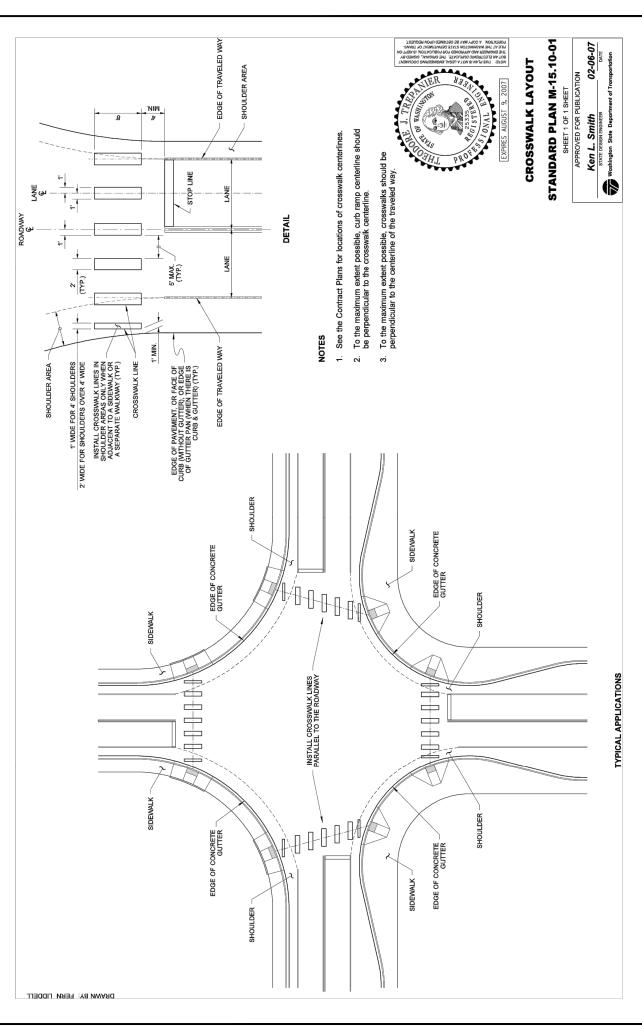


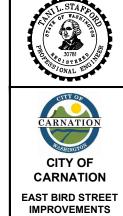




EDGE LINE & SOLID LANE LINE







ISSUED FOR:

SSUE DATE:

PPROVED BY:

HECKED BY:

RAWN BY:

DESIGNER: & O JOB NO.

Gray & Osborne, Inc

1130 RAINIER AVENUE SOUTH, SUITE 300 SEATTLE, WASHINGTON 98144 (206) 284-0860

CHANNELIZATION AND

CIVIL

PRELIMINARY

NOV. 2023

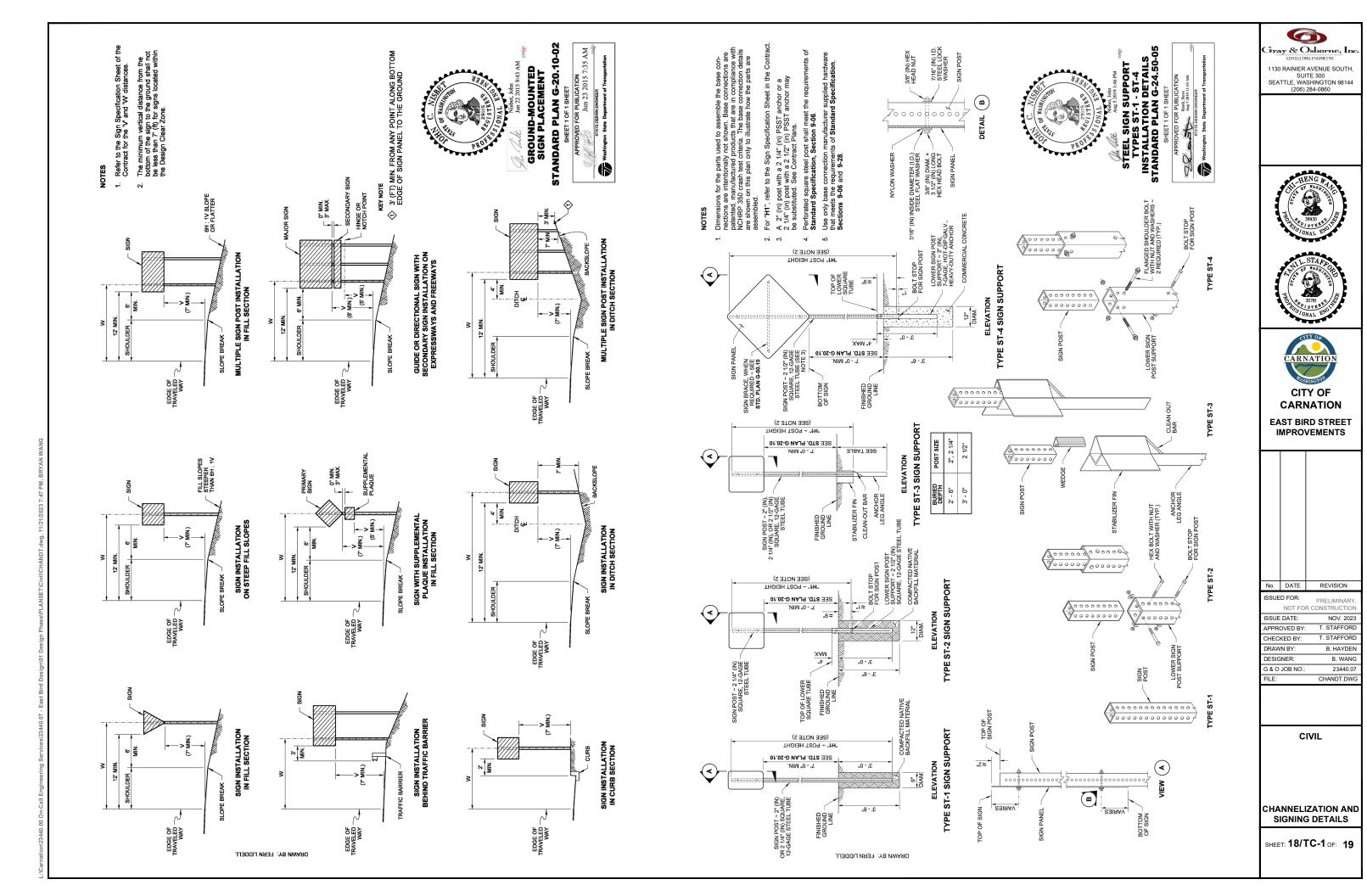
B. HAYDEN

B. WANG

23440.07 CHANDT.DWG

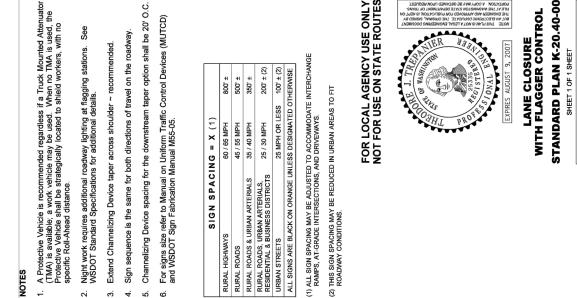
T. STAFFORD T. STAFFORD

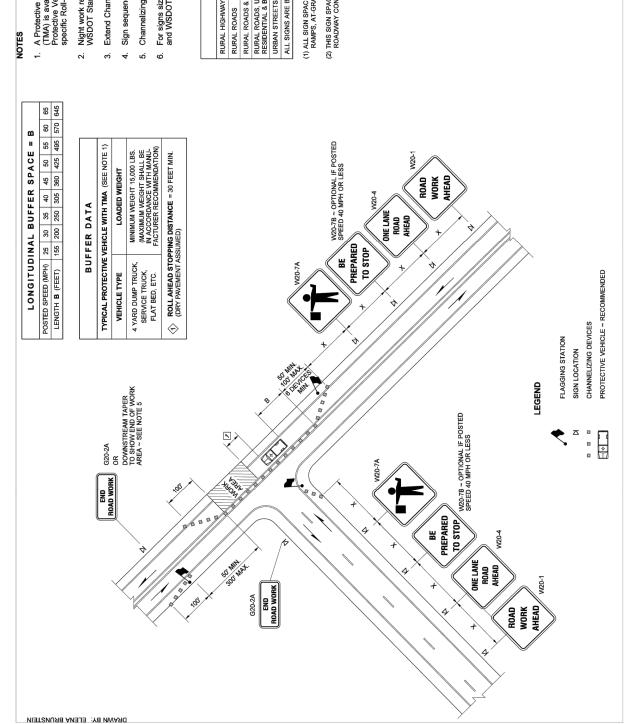
SIGNING DETAILS SHEET: 17/RD-60F: 19



GENERAL TRAFFIC CONTROL NOTES

- APPROPRIATE METHODS OF PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL, INCLUDING FLAGGERS, SHALL BE EMPLOYED BY THE CONTRACTOR TO THE EXTENT DEEMED NECESSARY BY THE TRAFFIC CONTROL SUPERVISOR AND AS REQUIRED BY THE APPLICABLE AGENCY TO PROTECT WORKERS OR THIRD PARTIES.
- 2. THE CONTRACTOR AND/OR THEIR AGENTS SHALL NOT PARK IN ANY PRIVATE PARKING LOTS / DRIVEWAYS WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
- SEE ALSO SPECIFICATIONS AND SPECIAL PROVISIONS, INCLUDING WSDOT STANDARD SPECIFICATION SECTION 1-07.23(1).
- ALL WARNING SIGNS SHALL BE 48" X 48". FOR OTHER SIGN SIZES REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WSDOT SIGN FABRICATION MANUAL M55-05.
- 5. CONTRACTOR MAY CLOSE BROADWAY AVENUE TO THRU TRAFFIC BETWEEN QUINCY STREET AND HARRISON STREET FOR A ONE TIME PERIOD OF UP TO 21 CONSECUTIVE CALENDAR DAYS. ALL PULVERIZATION AND ROADWAY BASE CONSTRUCTION WORK SHALL BE COMPLETED DURING CLOSURE PERIOD. CONTRACTOR SHALL SUBMIT FULL CLOSURE TRAFFIC CONTROL PLAN FOR REVIEW, MIN 14 CALENDAR DAYS PRIOR TO PROPOSED CLOSURE. MAINTAIN LOCAL ACCESS.







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CARNATION
EAST BIRD STREET
IMPROVEMENTS

No. DATE REVISION

ISSUED FOR: PRELIMINARY,
NOT FOR CONSTRUCTION

ISSUE DATE: NOV. 2023

APPROVED BY: T. STAFFORD

CHECKED BY: T. STAFFORD

DRAWN BY: B. HAYDEN

DESIGNER: B. WANG

G & O JOB NO.: 23440.07

FILE: TC DETS.DWG

CIVIL

TRAFFIC CONRTOL NOTES AND DETAILS

SHEET: 19/TC-2 OF: 19