

PORT OF TACOMA

NIM STORMWATER PIPE EXTENSION PROJECT NO. 201055.02 CONTRACT NO. 071143

PORT COMMISSIONERS:

DONALD JOHNSON
RICHARD MARZANO
JOHN McCARTHY
DON MEYER
CLARE PETRICH

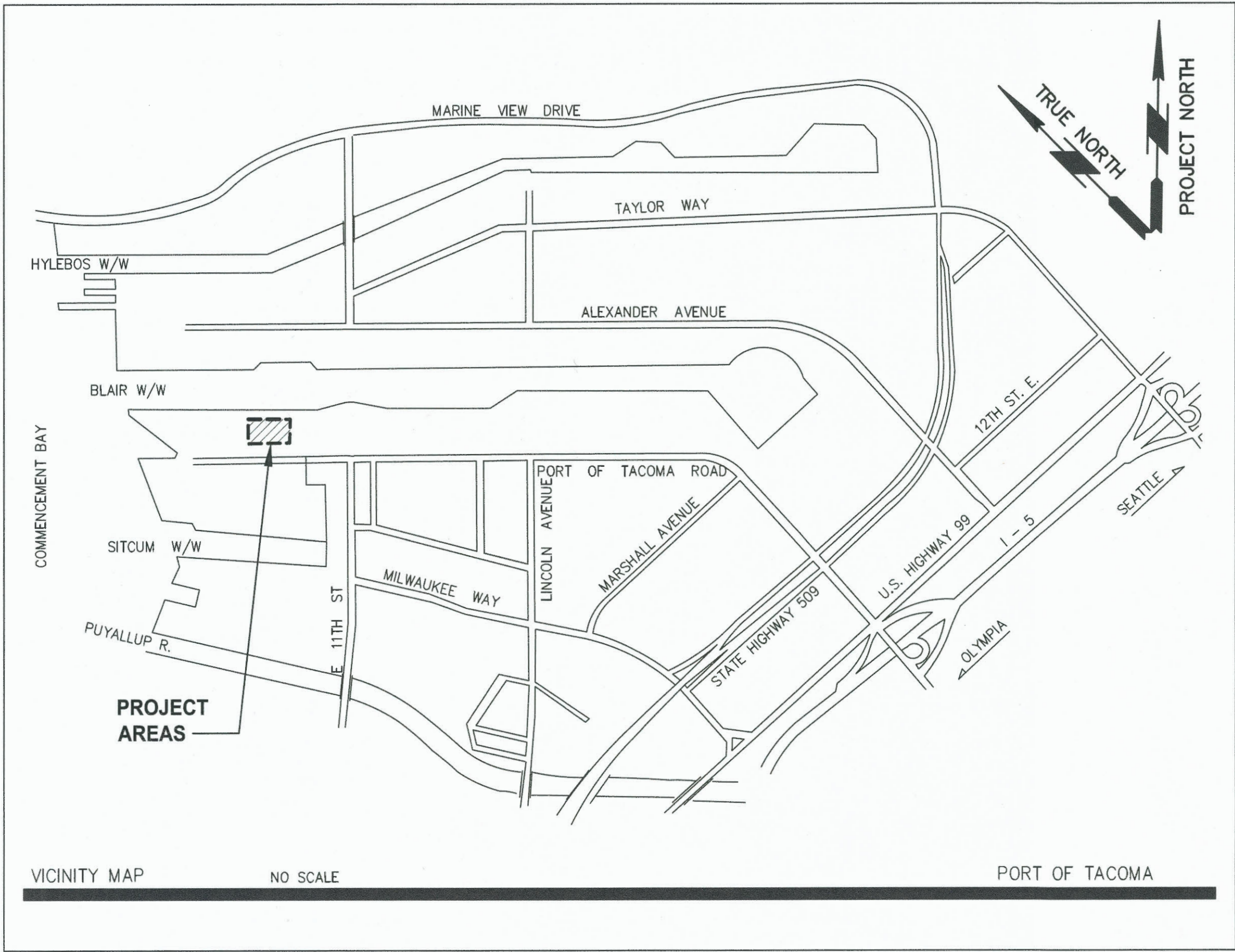
PORT STAFF:

JOHN WOLFE
Chief Executive Officer

DAKOTA CHAMBERLAIN, P.E.
Chief Facilities
Development Officer

TREVOR THORNSLEY, P.E.
Director of Engineering

SCOTT BICKEL, P.E.
Engineering Project Manager



CONSULTANT:




moffatt & nichol


600 UNIVERSITY STREET
SUITE# 610
SEATTLE, WA 98101
(206) 622-0222

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SUITE# 610
SEATTLE, WA 98101
(206) 622-0222



P.O. BOX 1837 TACOMA, WA 98401 (206) 388-5641


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G01.01

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CONT/CONS: 071143
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PORT OF TACOMA
NIM STORMWATER PIPE EXTENSION
COVER PAGE

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(206) 622-0222

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GENERAL NOTES

1. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND PROTECT ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. CONTRACTOR SHALL VERIFY LOCATION, DEPTH, SIZE, TYPE AND CONDITION OF EXISTING UTILITIES BEFORE CONSTRUCTION.
2. THE CONTRACTOR SHALL HIRE AND PAY FOR SERVICES OF PRIVATE LOCATING COMPANY PRIOR TO STARTING WORK IN ANY AREA. CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES DURING CONSTRUCTION AND SHALL ALSO CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. A GEOTECHNICAL REPORT PREPARED BY HART CROWSER, INC. TITLED "TERMINAL 3&4 BACKLANDS REDEVELOPMENT – GATE COMPLEX PORT OF TACOMA, TACOMA WASHINGTON" AND DATED SEPTEMBER 22, 2017 IS AVAILABLE FOR REVIEW. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE CONTENTS OF THE REPORT AND MAKE HIS OWN INTERPRETATION OF ITS CONTENTS.
4. CONTRACTOR SHALL OBTAIN ALL OVER THE COUNTER PERMITS AND PAY ALL FEES REQUIRED FOR INSTALLATION OF STORM DRAINS.
5. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
6. SLOPE OF FINISHED GRADE SHALL MATCH EXISTING ON ALL SIDES AND EDGES.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES AS REQUIRED IN THE SPECIFICATIONS AND TEMPORARY EROSION AND SEDIMENTATION CONTROL PLANS. SEE TEMPORARY EROSION AND SEDIMENT CONTROL DRAWINGS.
8. ALL DEVIATIONS FROM THESE PLANS SHALL BE RECORDED ON A SET OF "AS-BUILT" DRAWNGS AS REQUIRED IN THE SPECIFICATIONS.
9. THE CONTRACTOR SHALL COORDINATE AND ARRANGE FOR ALL UTILITY CONNECTIONS, UTILITY RELOCATIONS AND/OR SERVICE INTERRUPTIONS WITH TENANT, APPROPRIATE UTILITY OWNER AND WITH THE CITY OF TACOMA.
10. EXISTING UTILITIES IN SERVICE WHICH ARE DAMAGED DUE TO CONSTRUCTION WORK SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND INSPECTED AND ACCEPTED BY UTILITY OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING.
11. THE CONTRACTOR SHALL KEEP PAVED AREAS ADJACENT TO THE SITE CLEAN AT ALL TIMES BY SWEEPING DAILY. WASHING OF THESE AREAS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL.
12. ALL WORK IS WITHIN AN OPERATING SECURED TERMINAL. ALL OF THE CONTRACTORS PERSONNEL ARE REQUIRED TO HAVE A VALID TWC CARD ON THEIR PERSON WHEN ON SITE. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HORIZONTAL DATUM

1. WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2007 (PER PORT OF TACOMA SURVEY CONTROL MAP – 2007)
2. MEASURED SOUTH 31°00'47" EAST 3340.24 FEET BETWEEN PORT OF TACOMA MONUMENTS 923 AND 903 LOCATED ALONG MILWAUKEE WAY

VERTICAL DATUM

1. MLLW (PER PORT OF TAOOMA 2007 SECTION CONTROL MAP)
2. TIDE 22 1933 BENCHMARK: LOCATED AT NE CORNER OF 11TH ST. BRIDGE AT THE INTERSECTION OF E. 11TH ST. AND MILWAUKEE WAY
ELEVATION = 19.39 (BASED ON 1960–1978 TIDAL EPOCH)

6614 G01.02 # OF 12	PORT OF TACOMA NIM STORMWATER PIPE EXTENSION GENERAL NOTES				APPROVED: DIRECTOR EYG. DATE 8/1/19 PRINTED BY: apatterson Jul 31, 2019 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	SG	07-30-19	CHECKED BY	DATE	
	CONT/CONS: 071143	TOWNSHIP: 21N	RANGE: 3E	SECTION: 27/28/34			AP		07-30-19	PROJ. ENGR
M. ID: 201055.02	DAT-HRZ: WA83-SF	VERT: MLLW 19.39'	TIDE 22 1933	PARCEL:	DRAWING SCALE: AS NOTED					
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					600 UNIVERSITY STREET SUITE# 610 SEATTLE, WA 98101 (206) 622-0222		BY:		DATE:	
					MARK:		REVISION:	APPR:		

ABBREVIATIONS

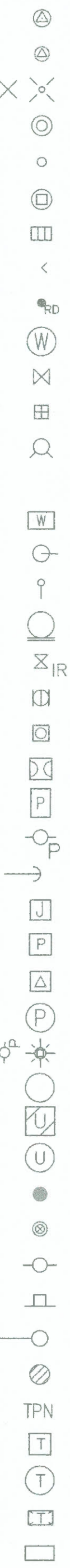
ACI	AMERICAN CONCRETE INSTITUTE
ACP	ASPHALT CONCRETE PAVEMENT
ADD'L	ADDITIONAL
ADMIN	ADMINISTRATION
ADS	ADVANCED DRAINAGE SYSTEMS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASS'Y	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
BLDG	BUILDING
BNSF	BURLINGTON NORTHERN SANTA FE RAILROAD
BOT, BOTT	BOTTOM
CB	CATCH BASIN
CBP	CUSTOMS AND BORDER PATROL
CDF	CONTROLLED DENSITY FILL
CFR	CODE OF FEDERAL REGULATIONS
CLR	CLEAR
CM	CENTIMETER
CMP	CORRUGATED METAL PIPE
COMM	COMMUNICATIONS
CONC	CONCRETE (PORTLAND CEMENT CONCRETE)
CONT	CONTINUOUS
COT	CITY OF TACOMA
CPP	CORRUGATED PLASTIC PIPE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CY	CUBIC YARD
C/C	CENTER TO CENTER
DBA	DEFORMED BAR AREA
DI, DIP	DUCTILE IRON PIPE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DHS	DEPARTMENT OF HOMELAND SECURITY
E	EAST, OR EASTING
EA	EACH
ECF	ENTRY CONTROL POINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EST	EAST SITCUM TERMINAL
EW	EACH WAY
EX	EXISTING
FT	FEET
G or GA	GAUGE
GALV	GALVANIZED
GCP	GENERAL CENTRAL PENINSULA
H2O	WATER LEVEL
HAS	HEADED ANCHOR STUD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HORIZ	HORIZONTAL
HPU	HYDRAULIC POWER UNIT
HYD	HYDRAULIC
ID	IDENTIFICATION or INSIDE DIAMETER
IE	INVERT ELEVATION
KIPS	KILO-POUND (THOUSANDS OF POUNDS)
LB/FT	POUNDS PER FOOT
LBF	POUND FORCE
LBS	POUNDS
LF	LINEAR FEET
MAINT	MAINTENANCE
MAX	MAXIMUM
MFR's	MANUFACTURER'S
MH	MANHOLE
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MM	MILLIMETER
N	NORTH OR NORTHING
NA	NOT APPLICABLE
NAD	NORTH AMERICAN DATUM
NE	NORTHEAST
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NIM	NORTH INTERMODAL YARD
NOM	NOMINAL
NTS	NOT TO SCALE
NW	NORTHWEST

ABBREVIATIONS (CONT'D)

OC	ON CENTER
OCR	OPTICAL CHARACTER RECOGNITION
OCT	OLYMPIC CONTAINER TERMINAL
OD	OUTSIDE DIAMETER
OWS	OIL-WATER SEPARATOR
PCS	PIECES
PG	PERFORMANCE GRADE
PK	PARKER KALON
PLC	POUNDS PER CUBIC INCH or PORTLAND CEMENT INSTITUTE
PLCS	PLACES
PLI	POUNDS PER LINEAR INCH
POT	PORT OF TACOMA
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PTZ	PAN-TILT-ZOOM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RCW	REVISED CODE OF WASHINGTON
REBAR	REINFORCING STEEL BAR
REINF	REINFORCEMENT
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
RPM	RAISED PAVEMENT MARKER
RR	RAIL ROAD
RTG	RUBBER TIED GANTRY
S	SOUTH
SCH	SCHEDULE
SD	STORM DRAINAGE
SE	SOUTHEAST
SIM	SIMILAR
SPA	SPACING OR SPACED
SQ	SQUARE
SS	STAINLESS STEEL OR SANITARY SEWER
ST	STREET
STRAD	STRADDLE CARRIER
STL	STEEL
STD	STANDARD
SW	SOUTHWEST
T	TERMINAL
TBD	TO BE DETERMINED
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TPT	TESC PERIMETER TREATMENT
TPU	TACOMA PUBLIC UTILITIES
TWC	TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL
TYP	TYPICAL
T&B	TOP AND BOTTOM
UON	UNLESS OTHERWISE NOTED
UPRR	UNION PACIFIC RAILROAD
VDC	VOLTS DIRECT CURRENT
VERT	VERTICAL
W	WIDTH OR WEST
WAC	WASHINGTON ADMINISTRATIVE CODE
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WT	WEIGHT
w/	WITH
W/W	WATERWAY
&	AND
@	AT
*	ASTERISK
L	ANGLE
°	CENTERLINE
Ø	NOMINAL DIAMETER OR PHASE
'	DEGREES
#	MINUTES OR FEET
%	NUMBER OR POUNDS
°	PERCENT
"	PROPERTY LINE OR PLATE
	SECONDS OR INCH

LEGEND

EXISTING

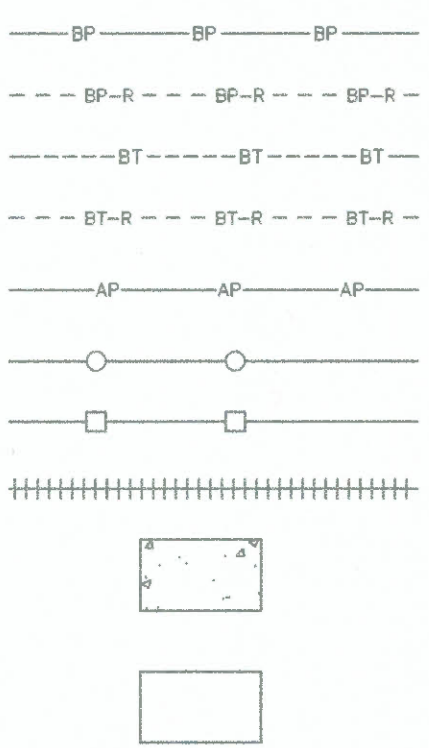


DESCRIPTION

FOUND MONUMENT AS NOTED
SET REBAR W/ CONTROL CAP
SURVEY CONTROL POINT
SANITARY SEWER MANHOLE
UTILITY CLEAN OUT
STORM MANHOLE
STORM CATCH BASIN
STORM CULVERT
ROOF DRAIN
WATER MANHOLE
WATER VALVE
WATER METER
FIRE HYDRANT
THRUST BLOCK
WATER VAULT
FIRE DEPARTMENT CONNECTION
WATER BLOW OFF
POST INDICATOR VALVE
IRRIGATION CONTROL VALVE
GAS VALVE
GAS METER
POWER METER
POWER CABINET
UTILITY POLE
GUY ANCHOR
JUNCTION BOX
POWER VAULT
POWER TRANSFORMER
POWER MANHOLE
LIGHT POLE
TRAFFIC LOOP
UTILITY VAULT
UTILITY MANHOLE
COLUMN
BOLLARD
UTILITY POLE
SIGN
MAILBOX
MONITORING WELL
TAX PARCEL NUMBER
TELECOM VAULT
TELECOM MANHOLE
TELECOM CABINET
MAILBOX
STORM DRAIN LINE
RECORD STORM LINE
SANITARY SEWER LINE
RECORD SANITARY LINE
BURIED WATER LINE
RECORD WATER LINE
BURIED GAS LINE
RECORD GAS LINE

LEGEND (CONT'D)

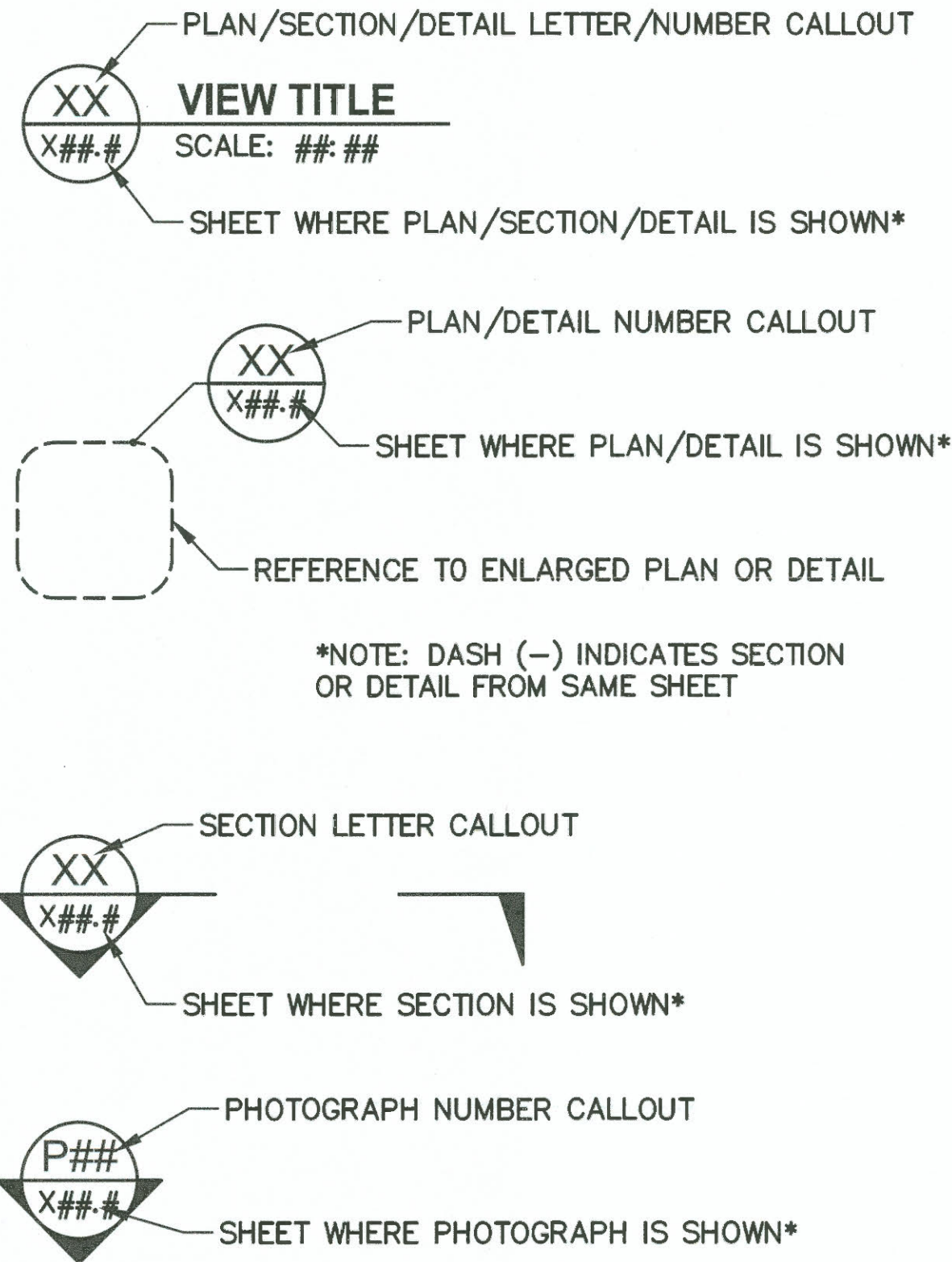
EXISTING



DESCRIPTION

BURIED POWER LINE
RECORD BURIED POWER
BURIED TELECOM LINE
RECORD TELECOM LINE
OVERHEAD POWER LINE
CHAIN LINK FENCE
WOOD OR SPLIT RAIL FENCE
RAILROAD TRACKS
CONCRETE SURFACE
ASPHALT SURFACE

REFERENCE CALLOUTS



NOTES:

1. ADDITIONAL LEGEND FOR SURVEY ITEMS SHOWN ON SURVEY SHEETS CONTAINED IN APPENDIX A.

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NIM STORMWATER PIPE EXTENSION

LEGEND AND ABBREVIATIONS

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