#### TO BUILD EXISTING ITEMS ITEMS TO BUILD EXISTING **—** FLEPHONE POLE -0-SPHALTIC CONCRETE PAVEMENT CEMENT CONCRETE SIDEWALK -100000000 GUY POLE -0-CEMENT CONCRETE CURB-ANCHOR OR DEADMAN $\rightarrow$ NEW 36" STORM D 34, 1104 D STORM SEWER S 8' 500 S ○ Ø (1) ANITARY SEWER 7000000 WIRE FENCE -INLET OR CATCH BASI WOOD FENCE • TELEPHONE CONDU GAS SERVICE -RETAINING WALL-DOS. 6-WATER MAIN PROFILE CENTER LINE WATER SERVICE PROFILE LINE, RIGHT CLASS CANCEL CETT e, crives. WATER GATE-CULVERT PIPE-. 🗭 -RNAMENTAL LIGHT — ¤ MONUMENT LINE-POWER POLE--CONSTRUCTION CENTER LINE STANDARD SYMBOLS CITY OF TACOMA DEPARTMENT OF PUBLIC WORK

# CITY OF TACOMA STD PLANS NO. DR-01 STANDARD SYMBOLS

## **GENERAL CONSTRUCTION SEQUENCE:**

- ARRANGE NECESSARY PRE-CONSTRUCTION MEETINGS WITH THE CITY OF TACOMA CONSTRUCTION DIVISION AND BUILDING AND LAND USE SERVICE, TACOMA POWER, TACOMA WATER, ARCHITECT, AND ENGINEER. STAKE PROJECT LIMITS PRIOR TO BEGINNING CONSTRUCTION.
- NOTIFY CITY INSPECTOR IN WRITING ABOUT SCHEDULED UTILITY AND ROAD CLOSURES AT LEAST 14 DAYS PRIOR TO CONSTRUCTION. DAMAGE TO ANY OF THE PUBLIC UTILITIES AS A RESULT OF THE
- CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR. INSTALL ALL APPLICABLE TESC FACILITIES PER PLANS MAINTAIN ALL
- TESC FACILITIES DURING THE LENGTH OF THE CONSTRUCTION PROCESS
  ADDITIONAL FACILITIES MAY BE REQUIRED AS FIELD CONDITIONS
- DEMOUSH RAILWAY TRACK AND TIES PER APPROVED PLANS.
  COORDINATE UTILITY DISRUPTIONS WITH UTILITY PROVIDERS AND
  ADJACENT PROPERTY OWNERS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION.
- INSTALL ALL NEW RAILWAY TRACK AND TIES.
  REMOVE TESC FACILITIES ONLY AFTER OBTAINING FINAL APPROVAL FROM CITY INSPECTOR.
- TRAFFIC TO REMAIN OPEN ON PORT OF TACOMA ROAD DURING

# **ELEVATION DATUM**

VERTICAL DATUM: CITY OF TACOMA (NGVD 29) BENCHMARK: 3 INCH BRASS DISK ON MILWAUKEE WAY, SOUTH OF E. 11TH AVENUE. BENCHMARK NO. 2863 FI FVATION = 12 117

# BASIS OF BEARING

BASIS OF BEARINGS FOR THIS SURVEY IS THE CITY OF TACOMA DATUM, NAD 83(91) WASHINGTON SOUTH

# PROJECT CONTACT INFORMATION

OWNER - PORT OF TACOMA	UTILITY	REGULATORY AGENCY	CONTACT	PHONE NUMBER
PEDRO REYES, PROJECT MANAGER EMAIL: preyes@portoftacoma.com	STORM WATER SANITARY SEWER POWER	CITY OF TACOMA CITY OF TACOMA TACOMA POWER	ENVIRONMENTAL SERVICES ENVIRONMENTAL SERVICES JOHN MARTINSEN	(253) 591-558 (253) 591-558 (253) 502-865
ENGINEER - KPFF CONSULTING ENGINEERS STEVEN KINGSLEY, PROJECT MANAGER	WATER	TACOMA WATER	KAREN GERKEN GRANT WHITLEY	(253) 502-873 (253) 502-874
PHONE: (253) 396-0150	GAS	PSE/PILCHUCK	TERRY BRENTIN	(253) 502-624
EMAIL: steve.kingsley@kpff.com	TELEPHONE	QWEST	JOY BATEMAN	(253) 597-510
	CABLE	AT&T BROADBAND	MARTIN MCELROY	(253) 845-486
	FIRE PROTECTION	CITY OF TACOMA	CARL ANDERSON	(253) 591-550
	CONST.	CITY OF TACOMA	LARRY CRISWELL	(253) 591-578

# PORT OF TACOMA REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1

3204 PORT OF TACOMA ROAD TACOMA, WASHINGTON

#### **ABBREVIATIONS GENERAL PLAN NOTES**

BOTTOM OF CURB

BACK OF WALK CURB & GUTTER CATCH BASIN

CENTERLINE

CLEANOUT

DIAMETER

CONSTRUCTION

EAST, EASTING

EXISTING FINISH FLOOR FLOW LINE

HIGH POINT INVERT ELEVATION

LINEAR FOOT

LOW POINT MECHANICAL MANHOLE

NORTH NORTHING

NOT TO SCALE
POWER
POINT OF CURVATURE

POINT OF TANCENCY POLYVINYL CHLORIDE/POINT OF

VERTICAL CURB

RETURN TO OWNER

RIGHT-OF-WAY

SOUTH STORM DRAIN

TOP OF CURB

UNDERGROUND WATER/WEST

SIDEWALK TELEPHONE

POINT OF COMBINED CURVATURE PROPERTY LINE POINT OF REVERSED CURVATURE

DUCTILE IRON PIPE

CO CONC CONST DIA, Ø DIP D/W

EX/EXIST

- COORDINATE ALL WORK WITH ON-SITE DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS AND ANY OTHER NEFDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE NOTIFICATION AND COORDINATION WITH THE CITY OF TACOMA.

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2010 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS MODIFIED FOR USE BY THE CITY OF TACOMA AND THE CITY OF TACOMA STANDARD PLANS. A COPY OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

  PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT—OF—WAY.
  ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE REVISIBILITY OR THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE INDEPENDENT ON THE DAY. THE IMPLEMENTATION OF THIS PLAN
- THE IMPLEMENTATION OF THIS PLAN.

  THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UTILITIES BY CONTACTING A UTILITY LOCATE SERVICE AND SHALL PROVIDE SUFFICIENT NOTIFICATION TO THE AFFECTED UTILITY COMPANIES PRIOR TO STARTING WORK. COORDINATE WORK FOR EXISTING UTILITIES WITH CONTACTS SHOWN IN THE UTILITY CONTACTS TABLE. CONTACT UNDERGROUND UTILITIES LOCATION AT 1-800-424-5555 AT LEAST 48 HOURS BEFORE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE TACOMA FIRE DEPARTMENT (253) 591-5737 24 HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE FIRE DEPARTMENT OF ALL NEW, RELOCATED, OR FLIMINATED HYDRANTS RESULTING FROM THIS WORK
- ELMINATED HTDRANTS RESULTING FROM THIS WORK.

  THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS ON ALL AFFECTED STREETS AT ALL TIMES.

  MAINTAIN AND PROTECT ALL MANHOLES, CATCH BASINS, FIRE HYDRANTS, MONITORING WELLS, WATER VALVES, PIPING, SURVEY MONUMENTS, TRAFFIC CONTROL

  BOXES, WATER METERS AND ENGINEER OTHER IMPROVEMENTS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 24 MONTHS FROM THE DATE OF CITY APPROVAL. THE CITY RESERVES THE RIGHT TO REQUIRE REVISIONS, ADDITIONS, DELETIONS, OR MODIFICATIONS SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMITATION OR IF FIELD CONDITIONS ARE DIFFERENT
- FROM WHAT IS DEPICTED ON THESE PLANS. 12 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CRITERIA OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK AND RIGHT-OF-WAY DESIGN MANUAL CONTACT PUBLIC WORKS TRAFFIC ENGINEER, PHONE # (253) 591-5554 FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS FOR THIS PROJECT. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VERIFY ALL UTILITY POINTS OF CONNECTIONS TO EMSTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY.

  EXCAVATED MATERIAL MEETING PROJECT SPECIFICATIONS MAY BE USED FOR BACKFILL. NO STOCKPILING OF EXCAVATED MATERIAL IS ALLOWED WITHIN THE PROJ
- 15. REMOVE AND REPLACE ALL BROKEN DAMAGED OR HAZARDOUS SIDEWALK CURB AND GLITTER AND DRIVEWAYS.
- 16. RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF TACOMA ROW RESTORATION POLICY AS ADOPTED JUNE 2, 2009.

  17. THE ENGINEER OF RECORD SHALL PROVIDE AN ENGINEER'S CERTIFICATION TO THE CITY OF TACOMA AFTER FACILITY INSTALLATION AND PRIOR TO PERMIT FINAL INSPECTION AND/OR CLOSEOUT. THE ENGINEER'S CERTIFICATION SHALL INCLUDE:
  - a. THE PERMIT NUMBER
  - b. STATEMENTS TO ATTEST:
  - THAT ALL STORMWATER FACILITIES HAVE BEEN INSTALLED ACCORDING TO THE APPROVED PERMIT DOCUMENTS. CHANGES TO THE APPROVED PERMIT SET THAT ARE REQUIRED DURING CONSTRUCTION SHALL BE SUBMITTED TO BLUS FOR ESSE TO REVIEW AND APPROVAL DURING THE CONSTRUCTION PHASE AND PRIOR TO THE CHANGE BEING CONSTRUCTED.
  - ii. AS-BUILT DRAWINGS HAVE BEEN PROVIDED TO THE CITY ELECTRONICALLY. THESE SHALL BE PROFESSIONALLY DRAFTED ENGINEERING DRAWINGS THAT ARE STAMPED, SIGNED, AND DATED BY A WASHINGTON STATE LICENSED ENGINEER. THE DRAWINGS MUST ACCURATELY REPRESENT THE PROJECT AS CONSTRUCTED. III. THE OPERATIONS AND MAINTENANCE MANUAL IS LOCATED ONSITE.

06/14/2017

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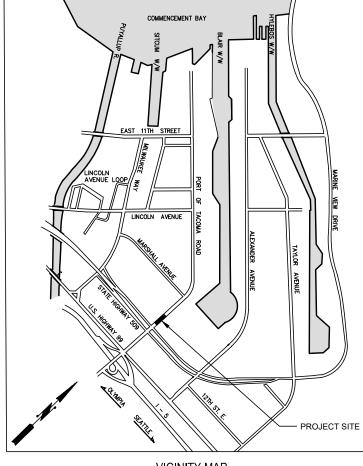
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SWK

THE ENGINEER'S CERTIFICATION SHALL BE SUBMITTED TO ENVIRONMENTAL SERVICES / PLAN REVIEW LEAD / 326 EAST D STREET / TACOMA, WA 98421. FOR SITE

# SHEET INDEX:

- COVER SHEET
- SURVEY
  DEMOLITION & TESC PLAN
- DEMOLITION & TESC DETAILS RAIL SITE PLAN
- RAIL DETAILS NO. 9 TURNOUT PLAN
- WORK ORDER GENERAL NOTES
- RAIL DETAILS



# VICINITY MAP

## TRAFFIC CONTROL NOTES

<u>LOCATION:</u> UNDERNEATH PORT OF TACOMA ROAD OVERPASS, 3204 PORT OF TACOMA ROAD THE FOLLOWING SPECIAL TRAFFIC CONTROLS SHALL SUPPLEMENT SECTION 1-07.23 OF THE STANDARD SPECIFICATIONS.

- RIDIRECTIONAL TRAFFIC TO BE MAINTAINED ON PORT OF TACOMA ROAD THROUGHOUT THE DURATION OF PROJECT. THE IMPACTED PORTION BIDIRECTIONAL TRAFFIC TO BE MAINTAINED ON PORT OF TACOMA ROAD THROUGHOUT THE DURATION OF PROJECT. THE IMPACTED PORTION OF PORT OF TACOMA ROAD (BELOW THE OVERPASS) IS CLOSED TO PUBLIC TRAFFIC AND IS ANTICIPATED TO REMAIN SO THROUGH CONSTRUCTION.

  THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK AND RIGHT-OF-MAY DESIGN MANUAL. CONTACT TRAFFIC DEPARTMENT, PHONE NUMBER (253) 591-5554, FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS FOR THIS PROJECT. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO COMBINIOUS WAYD.
- 2. WHEN NECESSARY, AND JUSTIFIED, SINGLE LANES OF TRAFFIC MAY BE CLOSED DURING SPECIFIED HOURS OF THE DAY. THE DETERMINATION OF THESE HOURS SHALL BE IN CONSULTATION WITH AND SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER AND PORT OF TACOMA. PROVIDED THAT LOCAL ACCESS IS MAINTAINED AT ALL TIMES WITH A MINIMUM OF A 12-FOOT WIDE ACCESS LANE FOR EACH DIRECTION OF TRAFFIC. THE CONTRACTOR SHALL COORDINATE ANY LANE CLOSURES AND COOPERATE WITH THE VARIOUS BUSINESSES DRIVEWAYS ON PORT OF TACOMA ROAD AT ALL TIMES.

THREE (3) WORKING DAYS PRIOR TO ANY LANE CLOSURE. THE CONTRACTOR SHALL NOTIFY:

TACOMA PUBLIC WORKS ENGINEERING DIVISION TACOMA PUBLIC WORKS STREETS AND GROUNDS
TACOMA PUBLIC WORKS SOLID WASTE (253-591-5500) (253-591-5544) (253-591-5733) TACOMA FIRE DEPARTMENT (253-591-5951) (253-798-4721-0pt.#3) TACOMA POLICE DEPARTMENT TACOMA PUBLIC SCHOOLS TRANSPORTATION OFFICE (253-571-1853) PIERCE TRANSIT

> NOTE:
> PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING AND ISSUANCE OF THE WORK ORDER PERMIT, A BOND SHALL BE SUBMITTED BY THE PERMIT APPLICANT FOR THE VALUE OF THE SCOPE OF WORK TO BE PERFORMED AS









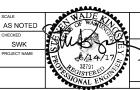






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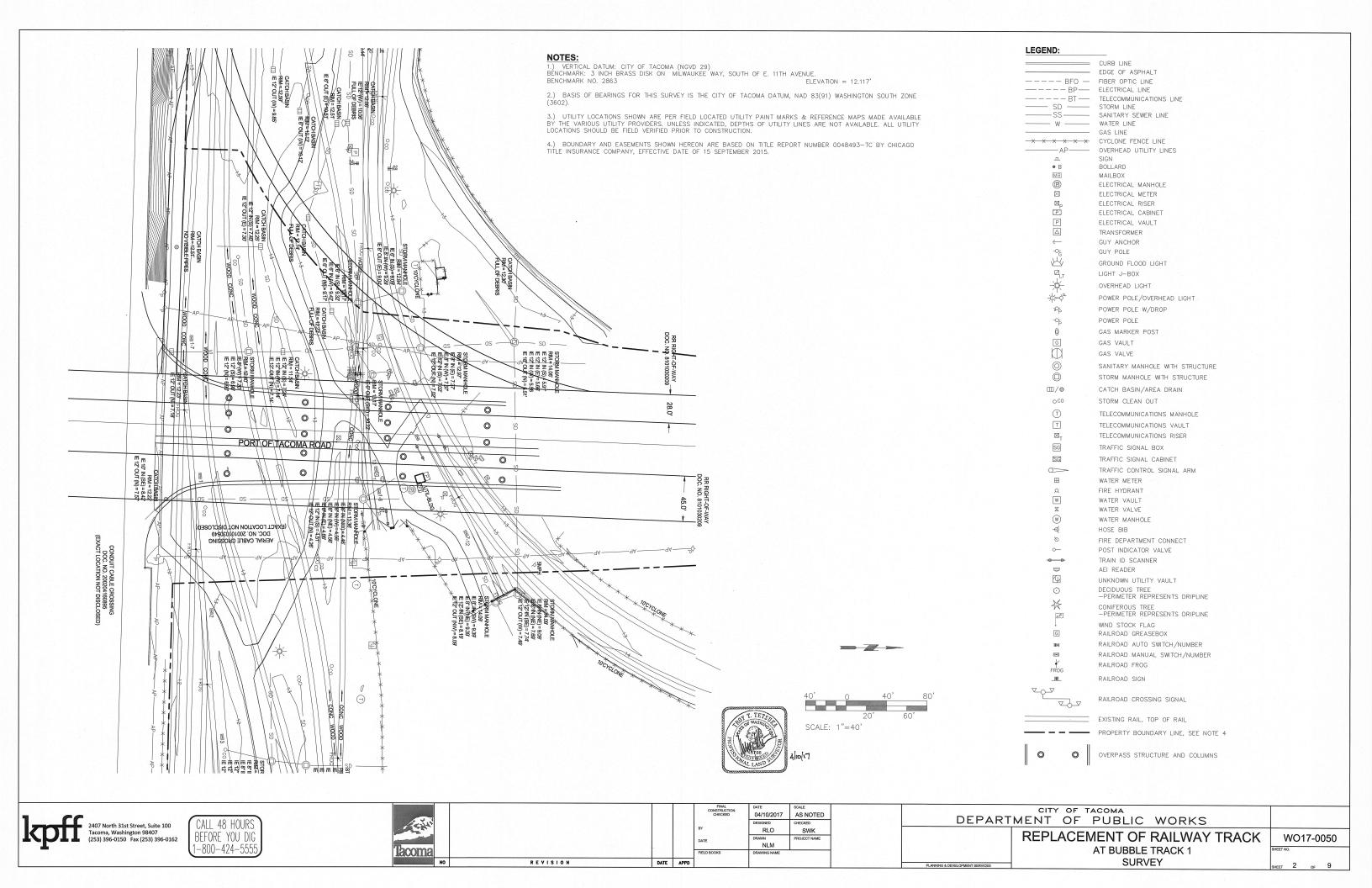
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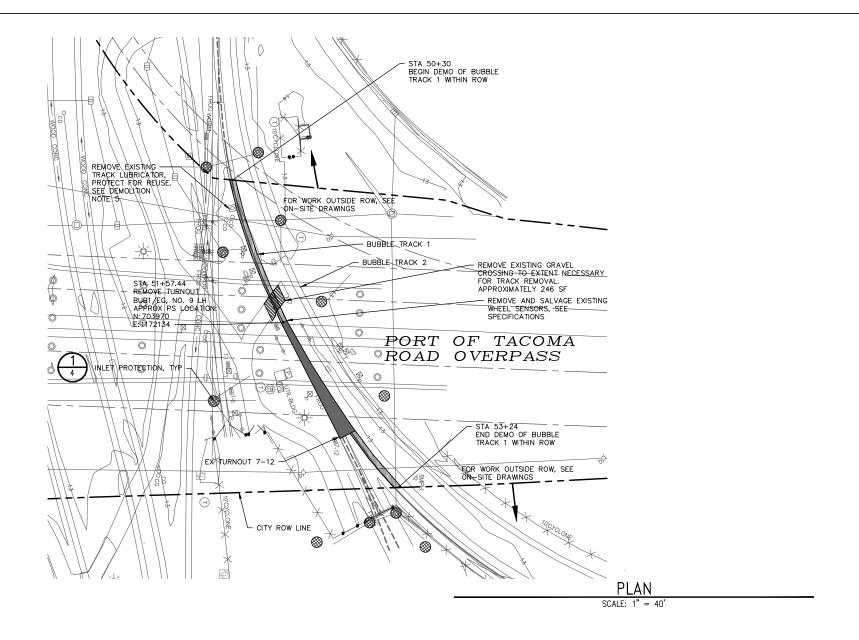




CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS

REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1 **COVER SHEET** 









KEY PLAN

NTS

- - - CITY ROW LINE

LEGEND



REMOVE RAILROAD TRACK

REMOVE NO. 9 TURNOUT



REMOVE GRAVEL GRADE CROSSING



CATCH BASIN INLET PROTECTION.
CONTRACTOR TO INSURE ANY CATCH
BASIN DOWNSTREAM OF THE PROJECT
LIMITS (WITHIN 500') HAS INLET
PROTECTION FOR THE DURATION OF
CONSTRUCTION. STRAW WATTLES, SEE EROSION AND SEDIMENT CONTROL NOTE 10

### DEMOLITION NOTES:

- ALL LOCATIONS OF EXISTING IMPROVEMENTS AND UTILITIES SHOWN ARE FROM AVAILABLE GIS RECORDS AND FIELD SURVEY AND SHOULD BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE
- CONTRACTOR SHALL COORDINATE ANY RELOCATION OF HYDRANTS AND ASSOCIATED WATER SERVICES WITH TACOMA WATER, INCLUDING PAYMENT OF ASSOCIATED FEES AND WORK COSTS, AND SCHEDULING OF WORK.
- CONTRACTOR SHALL MAINTAIN AND PROTECT ALL SITE IMPROVEMENTS NOT OTHERWISE NOTED FOR DEMOLITION. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 4. ALL START AND END REPLACEMENT TRACK LOCATIONS, WHICH MATCH INTO EXISTING TRACK ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE NEAREST EXISTING JOINT AT OR BEYOND MATCH POINT INDICATED, VERIFY VERTICAL AND HORIZONTAL ALIGNMENT AND TIE INTO EXISTING TRACK AT EXISTING JOINT.
- 5. DISCONNECT EXISTING TRACK LUBRICATOR AT BUBBLE TRACK 1 PRIOR TO BUBBLE TRACK 1 DEMOLITION. EXISTING LUBRICATOR SHALL BE PROTECTED AND REINSTALLED AT EXISTING LOCATION PRIOR TO REOPENING OF TRACK. THE CONTRACTOR SHALL DOCUMENT THE CONDITION AND CONFIGURATION ON THE EXISTING LUBRICATOR AND REINSTALL TO MATCH. SEE SHEET 5 FOR SITE PLAN.
- 6. ALL EXCAVATED SOIL AND BALLAST MATERIAL SHALL BE REUSED OR REMOVED PER THE CONTRACT SPECIFICATIONS.

### **EROSION & SEDIMENT CONTROL NOTES:**

- 1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- 3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL THE BOONDARIES OF THE CLEARING LIMITS SHOWN ON THIS FLAN SHALL
  BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING
  THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED
  CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM OR ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- 6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
- 8. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT—LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE
- 10. IF SEDIMENT LADEN WATER IS OBSERVED LEAVING THE SITE, STRAW WATTLES SHALL BE INSTALLED AS NECESSARY TO MINIMIZE THE AMOUNT OF SEDIMENT LEAVING THE SITE THROUGH THE EXISTING STORMWATER COLLECTION AND CONVEYANCE SYSTEM.

2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162

BEFORE YOU DIG -800-424-555



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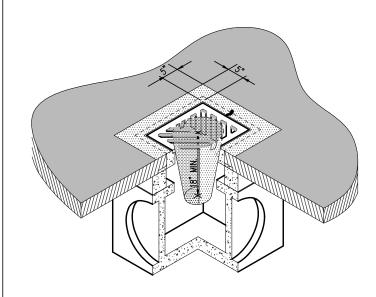


CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS

REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1

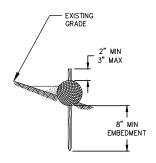
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**DEMOLITION & TESC PLAN** 



# NOTES:

- INSERT SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS WITHIN 500 FEET OF WORK LIMITS PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
- FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN IT IS 1/3 FULL.
- 3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING INTO APPROPRIATE DISPOSAL LOCATION, AND REINSERTING IT INTO THE CATCH BASIN.



INLET PROTECTION DETAIL

STRAW WATTLE DETAIL

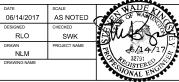








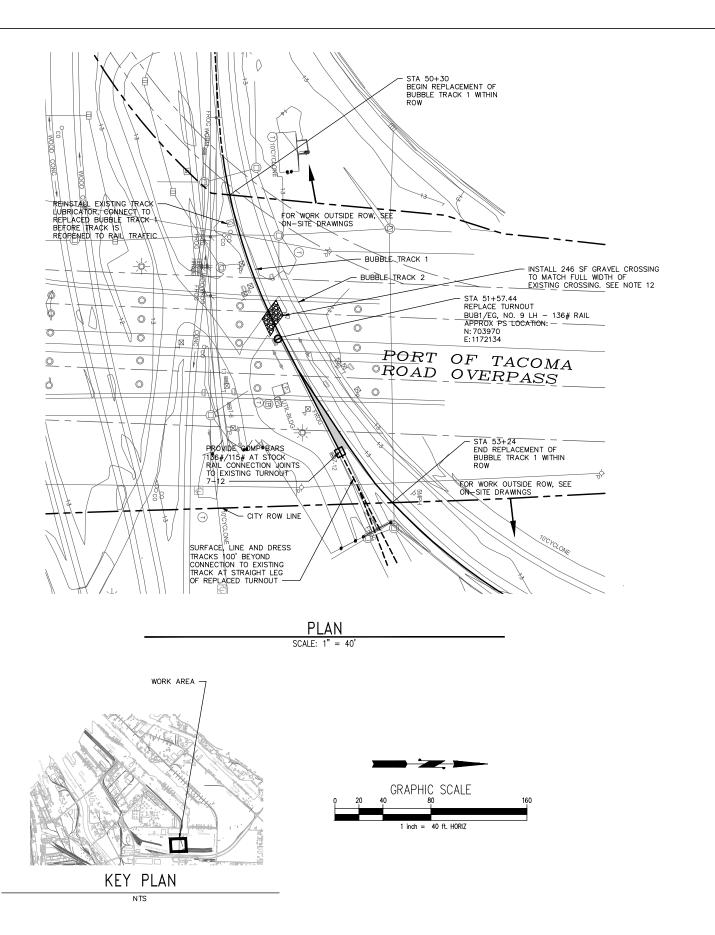


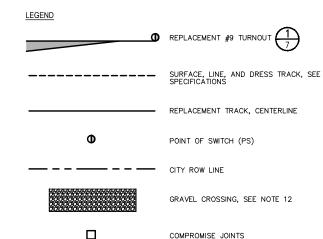




DEPARTMENT OF PUBLIC WORKS REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1

**DEMOLITION & TESC DETAILS** 





# NOTES:

- 1. SEE SHEETS 6-9 FOR TRACKWORK DETAILS.
- SEE SHEET 7 FOR SPECIAL TRACKWORK DETAILS AND VARIATIONS FROM PROJECT STANDARDS REQUIRED FOR TURNOUT REPLACEMENTS INCLUDING ADDITIONAL RAIL, TIES, COMPROMISE JOINTS NOT INDICATED IN PROJECT STANDARD TURNOUT CONFIGURATION.
- 3. TURNOUT REPLACEMENTS ARE WITHIN ACTIVE TRACKS AND YARDS. CONTRACTOR SHALL CONFINE OPERATIONS AND STAGING TO THE LAYDOWN AREA PER ONSITE PLANS AND THE LIMITS OF THE TURNOUTS TO BE REPLACED. CONTRACTOR SHALL YIELD TO RAIL TRAFFIC AT ALL TIMES. SEE ON-SITE PLANS AND SPECIFICATIONS FOR ADDITIONAL PHASING AND SEQUENCING REQUIRED FOR THE PROJECT
- 4. NOT USED.
- 5. CONTRACTOR SHALL DEMOLISH EXISTING TURNOUT AND CONNECTING TRACK TO EXTENT NECESSARY TO INSTALL NEW TURNOUT AND TRACK SHOWN, SEE SHEET 3.
- 6. FOR TYPICAL BALLASTED TRACKBED SECTION, SEE  $\begin{pmatrix} 1 \\ 8 \end{pmatrix}$
- 7. ALL NEW RAIL SHALL BE 136 LB JOINTED RAIL, EXCEPT WHERE NOTED.
- 8. ALL NEW TRACK TIES ARE TIMBER, SEE SHEET 6 FOR STANDARD DETAILS.
- 9. ALL START AND END REPLACEMENT TRACK LOCATIONS, WHICH MATCH INTO EXISTING TRACK, ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE NEAREST EXISTING JOINT AT OR BEYOND MATCH POINT INDICATED, VERIFY VERTICAL AND HORIZONTAL ALIGNMENT AND TIE INTO EXISTING TRACK AT EXISTING JOINT.
- 10. ALL LOCATIONS OF EXISTING IMPROVEMENTS SHOWN ARE FROM AVAILABLE GIS RECORDS AND FIELD SURVEY AND SHOULD BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE.
- 11. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL SITE IMPROVEMENTS NOT OTHERWISE NOTED FOR DEMOLITION. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 12. GRAVEL CROSSING AT BUBBLE TRACK 1 SHALL BE COMPACTED CRUSHED SURFACING BASE COURSE. A LAYER OF GEOTEXTILE FABRIC SHALL BE PLACED OVER TRACKBED BALLAST AND FLUSH WITH TOP OF TIE; COVERING PLATES AND FASTENERS. CRUSHED SURFACING BASE COURSE SHALL BE PLACED TO 1" BELOW TOP OF RAIL FOR ENTIRE WIDTH OF CROSSING (MINIMUM 6" DEPTH), AND SHALL EXTEND 4' BEYOND END OF TIE OR TO ADJACENT TIE. FINISHED CROSSING SHALL RESULT IN NO VISIBLE MOVEMENT OF REPLACED RAIL WHEN CROSSING IS UTILIZED BY CONSTRUCTION EQUIPMENT AND TRAFFIC.

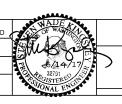






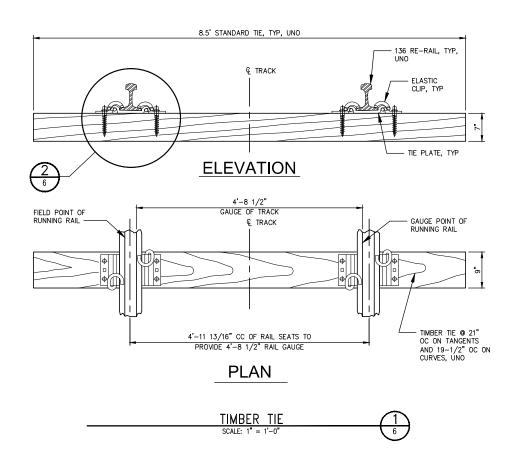
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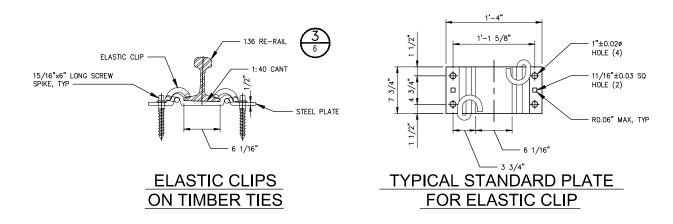
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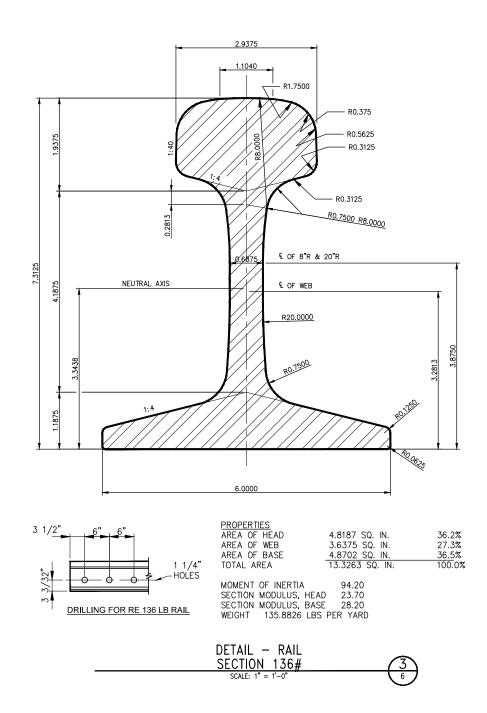
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

REPLACEMENT OF RAILWAY TRACK
AT BUBBLE TRACK 1
RAIL SITE PLAN





TIMBER FASTENERS W/136# RAIL













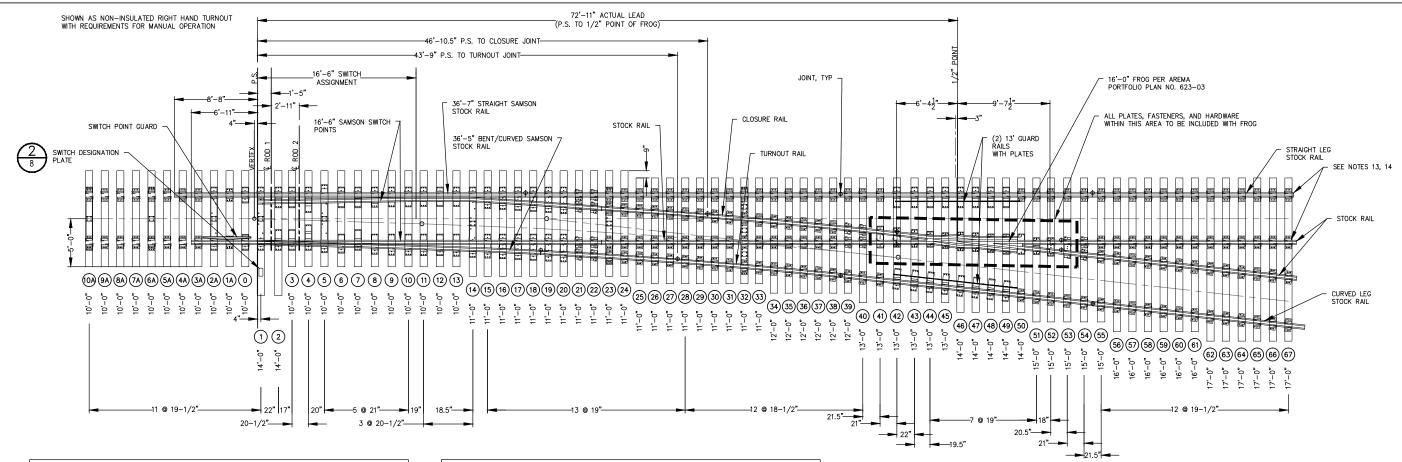


CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1 RAIL DETAILS

WO17-0050

REVISION

DATE APPD



	STANDARD BILL OF MATER	RIALS	BNSF/UP COMMON
QTY	DESCRIPTION	LOCATION	STANDARDS DWG NUMBER
2	16'-6" (EXT. 35'-10") STRAIGHT SAMSON SWITCH POINTS		
1	36'-7" STRAIGHT SAMSON STOCK RAIL		
1	36'-5" BENT/CURVED SAMSON STOCK RAIL		
1	SWITCH ROD #1		241600
1	SWITCH ROD #2		241600
2	GAGE PLATE AHEAD OF POINT	TIES 6A & 10A	241304
1	ADJUSTABLE BRACE GAGE PLATE	TIE 1	241300
2	ADJUSTABLE BRACE GAGE PLATE	TIES 5 & 9	241305
6	ADJUSTABLE BRACE SLIDE PLATE	TIES 2, 3, & 7	241306
2	SLIDE PLATE	TIE 6	241306
2	RISER SLIDE PLATE	TIE 8	243309
2	RISER SLIDE PLATE	TIE 10	241306
18	TURNOUT PLATE	TIES 11, 12, 13, 15, 16, 17, 18, 19, & 20	241307
1	GAGE PLATE	TIE 14	241311
1	GAGE PLATE	TIE 23	241312
1	GAGE PLATE	TIE 32	241313
1	CLOSURE INSULATED JOINT RAIL		341001
1	INSULATED JOINT TURNOUT RAIL		341001
A/R	INSULATED JOINT CLIP ASSEMBLY		132800
1	CLOSURE RAIL		341001
1	TURNOUT RAIL		341001

	STANDARD BILL OF MATER	RIALS	
QTY	DESCRIPTION	LOCATION	BNSF/UP COMMON STANDARDS DWG NUMBER
A/R	136 RE RAIL		N/A
A/R	ELASTIC CLIP TIE PLATES	SEE NOTE 4	263000
14	MODIFIED ELASTIC CLIP TIE PLATE	TIES 21, 22, 39, 40, & 54	263001
A/R	ELASTIC CLIP E-2055		132500
A/R	15/16" DIA. X 6 1/2" LG. SCREW SPIKES		130800
2	FIXED HEEL BLOCKS		
1	NO. 9 16'-0" AREMA RBM FROG PER AREMA PORTFOLIO PLAN NO. 623-03 WITH SCREW SPIKE PLATES AND ELASTIC FASTENERS		N/A
2	GUARD RAILS PER AREMA PORTFOLIO PLAN NO. 504-03 (13') WITH SCREW PLATES AND ELASTIC FASTENERS		N/A
1	5'-0" RAISED SWITCH POINT GUARD. PROGRESS RAIL MODEL U69, OR APPROVED EQUAL	TIES 0, 1A, & 2A	N/A
1	SWITCH STAND, RACOR MODEL 22-E TRAILABLE, OR APPROVED EQUAL		N/A
20	136RE 36" JOINT BARS		
22	7" X 9" X 10'-0" TIE	TIES 0-10A & 3-13	
20	7" X 9" X 11'-0" TIE	TIES 14-33	
6	7" X 9" X 12'-0" TIE	TIES 34-39	
6	7" X 9" X 13'-0" TIE	TIES 40-45	
5	7" X 9" X 14'-0" TIE	TIES 1-1 & TIES 46-50	
7	7" X 9" X 15'-0" TIE	TIES 51-55	
6	7" X 9" X 16'-0" TIE	TIES 56-61	
6	7" X 9" X 17'-0" TIE	TIES 62-67	

DETAIL - STANDARD NO. 9 TURNOUT ASSEMBLY

# NOTES:

- CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED FOR COMPLETION OF WORK.
  ALL SURPLUS TIES TO BE SUPPLIED TO THE PORT.
  IN ADDITION TO RAIL SHOWN WITHIN STANDARD NO. 9 TURNOUT ASSEMBLY AND ALL NEW RAIL SHOWN ON SHEET 5, CONTRACTOR SHALL
  PROVIDE A TOTAL OF (2) ADDITIONAL 136RE 39' RAIL STICKS TO BE UTILIZED IF NECESSARY TO JOIN TURNOUTS TO EXISTING TRACK AND
  MAINTAIN MINIMUM JOINT SPACING AND JOINT STAGGER. ANY SURPLUS RAIL SHALL BE SUPPLIED TO THE PORT FOLLOWING COMPLETION
  OF WORLD.
- OF WORK.

  4. ELASTIC CLIP TIE PLATES AND RESILIENT FASTENERS SHALL BE USED AT ALL LOCATIONS UNLESS OTHERWISE NOTED, SEE DETAIL 2 ON SHEET 6.
- SHEET 6.

  THE GUARD RAIL IS TO BE 54 5/8" FROM THE GAUGE SIDE OF THE FROG POINT TO THE STRAIGHT GUARDING FACE OF THE GUARD RAIL.

  NO ALLOWANCE HAS BEEN MADE FOR EXPANSION GAPS OR END POST IN COMPUTING RAIL LENGTHS SHOWN.

  FRACTIONAL RAIL LENGTH CUTTINGS SHOWN ARE THEORETICAL AND ARE SUBJECT TO MINOR ADJUSTMENT TO MEET ACTUAL CLOSURE REQUIREMENTS IN THE FIELD.

  SMITCH STANDS SHALL BE INSTALLED IN A LOCATION TO MATCH EXISTING.

  CHORD METHOD IS USED TO CALCULATE TURNOUT CURVE DATA AND OFFSETS.

  TURNOUTS SHALL HAVE HORIZONTAL SWITCH RODS.

  THROG SHALL BE HIGH INTEGRITY, EXPLOSION HARDENED, RAIL BOUND MANGANESE STEEL CASTING WITH MITERED HEEL AND EXTENDED HEEL AND WING RAILS.

  ALL SWITCH RODS AND GAUGE PLATES ARE TO BE INSULATED TYPES.

- 12. STOCK RAILS ON STRAIGHT LEG OF BUBI/EG TURNOUT AND FROG SHALL BE CUT AND DRILLED IN THE FIELD TO ACCOMMODATE CLOSE PROXIMITY OF EX TURNOUT 7-12 TO THE EAST. JOINT LOCATION TO BE MARKED IN THE FIELD AND APPROVED BY PORT PRIOR TO CUTTING NEW STOCK RAIL AND DRILLING JOINT.
- 14. STOCK RAILS ON STRAIGHT LEG OF BUBI/EG TURNOUT TO BE JOINED TO 115 RE RAIL. CONTRACTOR TO PROVIDE JOINT COMP BARS.

  15. REUSE EXISTING TIES AT TIE LOCATIONS 64-67, TIES 64-67 SUPPORT EXISTING TURNOUT TO REMAIN.

FROG DATA					
ANGLE	6*-21'-35"				
TURNOUT DATA					
RADIUS OF CENTERLINE 614'					
T =	24.59'				
CENTRAL ANGLE - CLOSURE CURVE	4*-35'-13"				
DEGREE OF CURVE	9*-20'-31"				
DIMENSIONS ALONG TURNOUT					
VERTEX TO P.C.	17'-7 9/32"				
P.C. TO P.T.	614'-0" € RADIUS				
P.T. TO FROG POINT	6'-4 1/2"				

SWITCH DATA						
	SWITCH LENGTH	16'-6"				
	HEEL SPREAD	6 1/4"				
	HEEL ANGLE					
	SWITCH ANGLE	1*-46'-22"				
	THROW AT ROD #1	4 3/4"				
	THICKNESS AT POINT	0"				
TURNOUT POINT	RADIUS (CLOSURE CURVE)	616.3542				
	VERTEX DISTANCE	7 4/16"				

NO. 9 TURNOUT PLAN

LEGEND:

◆ JOINT, (2) 36" 136RE JOINT BARS

2407 North 31st Street, Suite 100 (253) 396-0150 Fax (253) 396-0162

CALL 48 HOURS BEFORE YOU DIG -800-424-555

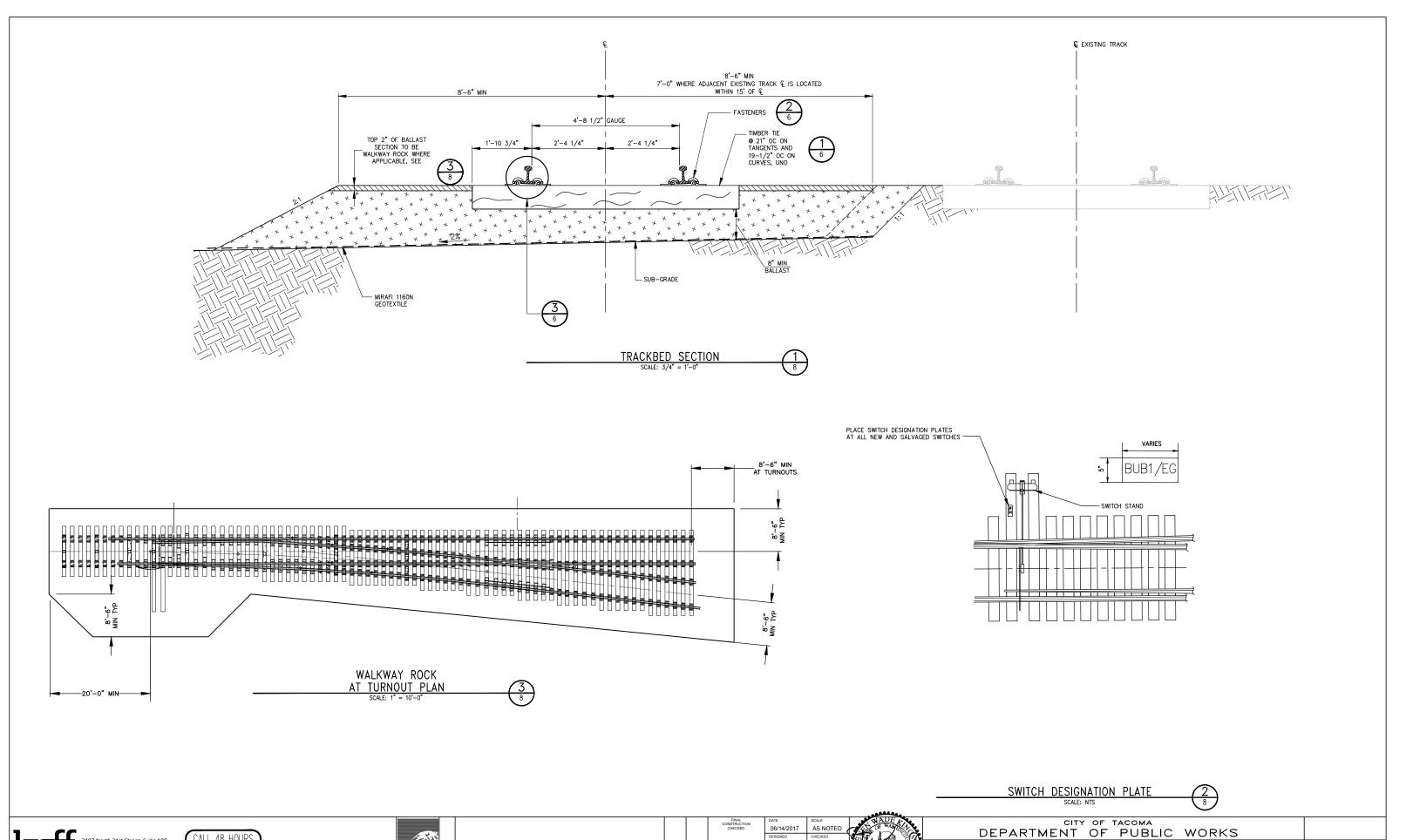
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Tacoma

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				FINAL CONSTRUCTION	DATE
				CHECKED	06/14/2017
					DESIGNED
				BY	RLO
				DATE	DRAWN
				DATE	NLM
				FIELD BOOKS	DRAWING NAME
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1	SCALE	WADER	
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		CITY	OF '	ТАСОМА		
	DEPART	MENT	OF	PUBLIC	WORKS	
		REPLA	ACE	MENT OF	RAILWAY	TRACK
_				AT BUBBLE	TRACK 1	



2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555



REVISION DATE APPD

06/14/2017 AS NOTED SIGNED NLM

REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1 RAIL DETAILS

#### RIGHT-OF-WAY PERMITTING GENERAL NOTES

- A. The following special provisions are to be used in conjunction with the City of Tacoma Special Provisions, City of Tacoma Standard Plans and City of Tacoms Right-of-Way Design Manual, "2014 Standard Specifications for Road, Bridge and Municipal Construction" and "Standard Plans for Road, Bridge and Municipal Construction" as prepared by the Washington State Department of Transportation (WSDOT).
- Any inconsistency between these work order drawings and the 2014 Standard Specifications or the WSDOT Star of precedence (e.g., 1 presiding over 2, 3, and so forth):
- 1. Approved Work Order Drawings
- 2. City of Tacoma Special Provisions, including APWA General Special Provisions, as applicable
- 3. City of Tacoma Right-of-Way Design Manual
- 4, 2014 Standard Specifications
- 5. City of Tacoma Standard Plans
- C. Any revisions to these plans must be reviewed and approved by the City of Tacoma prior to any implementation in the field.
- D. Contractors shall familiarize themselves with the site and shall bring any discrepancies to the attention of the Engineer prior to undertaking the affected work.
- E. Any discrepancy in these drawings, specifications, these notes, and the site conditions shall be reported to the Engineer, who shall correct such discrepancy in writing after reviewing any changes. Any work done by the Contractor after the discovery of such discrepancy shall be done at the Contractor's risk. The Contra verify and coordinate the dimensions among all drawings prior to proceeding with any work.
- F. A pre-construction meeting shall be held at the City of Tacoma with the applicant, contractor, and City inspectors prior to issuance of a permit

#### ADDITIONAL PERMITS

- A. Separate permits are required for on-site work including all retaining walls, grading, and erosion control. Adherence to all conditions of these permits is required as a part of this plan.
- Separate permits are required for sidewalk installation as well as curb and gutter removal and driveway construction when constructed at building permit stage. C. Separate storm and sanitary sewer connection permits are required for connections to the westewater or stormwater systems.

#### UTILITIES

- A. The existing underground utilities shown hereon are based upon existing record drawings and are not guaranteed to be accurate, nor all-inclu
- B. All utilities must be verified prior to construction. If the project requires any excavation, the developer/contractor is required to call the Utility Underground Location Center at (800) 424-5555 at least two days before starting such excavation in accordance with RCW 19.122.
- C. It shall be the Contractor's responsibility to protect, in place, all utilities and/or structures whether shown or not shown on this plan. Damage due to the Contractor's operations shall be received at the Contractor's expense.

#### EXCAVATION

A. If workers enter any trench or other excavation four feet or more in depth that does not meet the open pit requirements of Section 2-09.3(3)B, it shall be shored and cribbed. All trench safety systems shall meet the requirements of the Washington Industrial Safety and Health Act, Chapter 49.17 RCW. The Contractor alone shall onsible for all worker safety, and neither the City of Tacoma nor the Engineer of record assumes any resp

#### PAVEMENT PREPARATION / RESTORATION

- A. Additional removal and replacement of pavement may be required to provide proper transition/crown as directed by the City of Tacoma inspector in the field.
- 3. The street sections shown on this plan are designed to be placed upon a firm and unyielding base.
- C. Subgrade compaction shall be tested by a professional geotechnical consultant prior to placing base material
- D. Pavement restoration shall be constructed in accordance with the City of Tacoma Restoration policy and applicable Standard Pfans.
- E. All permanent traffic channelization, such as but not limited to legends, raised pavement markings, paint, and signage, shall be restored to current Tacoma
- F. Final restoration limits shall be determined in the field by the City of Tacoma Inspector
- G. Pavement Preparation and Restoration shall meet all applicable requirements of City of Tacoma Right-of-Way Design Manual Chapter 4 Sections 5.4 and 5.5.

#### PERMEABLE PAVEMENTS

- A. Permeable Pevernents including pavers, porous asphalt and pervious concrete may be approved for use within the right of way.
- B. installation shall be in accordance with the approved permit documents and all applicable requirements as outlined in the documents of section above.
- C. Permeable pavers shall be designed and installed in a City of Tacoma Right-of-Way Design Manual

## HOT MIX ASPHALT

- A. Standard hot mix asphalt shall be HMA CL 1/2 inch PG 64-22.
- B. Porous asphalt shall be Class 2 PG 70-22ER polymer modified or higher grade.
- C. Mix design shall be based on Standard Plan PD-01-Pavement Design Standards and PD-02 Pavement Design Worksheet
- D. Section 5-04.3(8)A 'Acceptance Sampling and Testing' of the Standard Specifications is deleted.
- E. All standard hot mix asphalt shall be compacted to a minimum of 92 percent of the maximum density as determined by AASHTO T209. All standard hot mix asphalt utilized shall be considered compactable. The level of compaction attained will be determined as the average of not less than 5 nuclear density gauge tests taken on the day the mix is placed (after completion of the finish rolling) at randomly selected locations within each lot. The quantity represented by each lot will be no greater than a single day's production or approximately 400 tons, whichever is less.
- All testing results shall be provided to the City within 48 hours of the test.
- G. Control lots not meeting the minimum density standard shall be removed and replaced with satisfactory material
- H. In addition to the randomly selected locations for test of the control lot, the City Inspector reserves the right to test any area which appears defective and to require further compaction of areas that fall below acceptable density readings. These additional tests shall not impact the compaction evaluation of the entire control lot.
- I. Hot mix asphalt payement shall not be placed on any traveled way between October 1 and April 1 without written approval from a Science & Engineering Assistant Division Manager
- J. No traffic shall be allowed on any newly placed pavement without the approval of the City Inspecto

### CONCRETE

2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162

- A. Concrete pavement mix design shall be based on Standard Plan PD-01-Pavement Design Standards.
- B. Cold Weather Concrete Work. The following requirements for placing concrete shall be in effect from November 1 to April 1
- 1. The Engineer shall be notified at least 24 hours prior to any concrete of
- 2. Weather permitting, all concrete placement shall be completed no later than 2:00 p.m. each day.
- 3. Where forms have been placed and the subgrade has been subjected to severe frost, no concrete shall be placed until the ground is completely thawed. At that time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.
- C. Curing of concrete shall be in accordance with Section 5-05.3(13) of the Standard Specifications

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BEFORE YOU DIG

-800-424-555

- D. The slump for standard concrete used for sidewalks shall not exceed four inches +/- one inch.
- Sidewalks and curb ramps shall be constructed in accordance with ADA Standards for Accessible Design, 28 CFR, Part 35 and as supplemented by the Public Works Right of Way Accessibility Guidelines (PROWAG).

# SANITARY AND STORM SEWERS A. 7-08.3(2)G Jointing of Dissimilar Pipe:

Dissimilar pipe shall be joined by use of rigid couplings manufactured by Romac Industries, Inc., or City of Tacoma approved equa

- B. 7-08.3(2)F Plugs and Connections
- Rigid Couplings, manufactured by Romac industries, inc., or City of Tacoma approved equal, shall be used at any pipe joint in which bell and spigot or fused joints are not used. Flexible couplings are not permitted.
- C. Section 7-04 of the Standard Specification is deleted. Storm sewers shall meet all the requirements of sanitary sewers
- D. Sewers and appurtenances shall be cleaned and tested after backfilling by either exfiltration or low-pressure air method at the option of the Contractor, except where the ground water table is such that the Engineer may require the inflitration test.
- E. All wastewater and stormwater pipes shall be video inspected by City Forces prior to paving where paving occurs over sewers. All other sewers will be video inspected
- F. All abandoned pipes encountered during construction and new stormwater and wastewater stub outs shall be sealed with a watertight pipe plug. G. All frames and grates for standard catch basin inlets on this project shall be "vaned" type and shall conform to that shown on WSDOT Standard Plan No. B-30.30-01 and
- Where existing catch basins are modified, grates may be required to be replaced with vaned grates. Environmental Services will make the final deb
- the condition of the existing grate and structure. Recycled concrete shall not be used for pipe zone backfill
- J. New connections to brick manholes may be allowed on a case by case basis. Manhole replacement may be required by the Environmental Services De upon the condition of the existing manhole.

B-30.40-01.

- MISCELLANEOUS

  A Any fence or structure replaced and/or relocated shall be maintained to remain functional.
- Independent quality assurance sampling and testing will be provided by a certified independent laboratory for all improver nents within the right-of-way. All special inspection reports shall be forwarded to the Site Development Group on a monthly basis, and / or as requested by the City of Tacoma inspector.
- C. The Contractor shall only use those hydrants designated by the agency in charge of water distribution and in strict accord

- GRADING, EXCAVATION, AND EROSION CONTROL NOTES

  A. All work is to be done in accordance with the approved grading plan, soils report, the most current WSDOT Standard Specifications For Road, Bridge And Municipal Construction and the current City of Tacoma Stormwater Management Manual.
- When construction operations are such that debris from the work is deposited on the streets, the Contractor shall immediately remove any deposits or debris which may accumulate on the roadway surface, if the Contractor falls to keep the streets free from deposits and debris resulting from the work, the Contractor shall, upon order of the City of Tacoma inspector, provide facilities for, and remove all clay, dirt, or other deposits from the tires or between wheels before trucks or other equipment will be allowed to travel over paved streets. Should the Contractor fall or refuse to clean the streets in question, or the trucks or equipment in question, the City of Tacoma Inspector may order the work suspended at the Contractor's risk until compliance with the Contractor's obligations is assured, or the City of Tacoma Inspector may order the streets in question cleaned by others and such costs incurred by the City in achieving compliance with these requirements, including cleaning of the streets, shall be deducted from the work order account.
- C. The Contractor shall protect existing drainage structures using acceptable methods and materials as shown on this plan. If the methods and materials as shown on this plan are not adequate, the City of Tacoma inspector may require additional/alternative methods for erosion control and/or protection of existing drainage structures. Additional or alternative methods shall be submitted by the design engineer and accepted by the City of Tacoma Inspector. Any damage caused to the City of Tacoma stormwater system as a result of the work outlined on this plan shall be the sole responsibility of the Contractor. Resolving said damage may include, but not be limited to, the cleaning of the drainage system in question by the Contracto
- Watering provisions when applicable must be in place to prevent dust from becoming air borne. Violation of this condition will result in a stop work order until corrected.
- E. Fill that will support a street section or other structures shall be placed under the inspection of a Washington State licensed Geotechnical Engineer. Soil to be placed shall be tested and compacted to 95 percent of its maximum density. Engineer shall document existing site conditions, soil and its placement and allowable submitted. Standard requirements for cuts and fill are contained in the WSDOT Standard Specifications For Road, Bridges, and Municipal Construction.
- A stormwater pollution prevention plan (SWPPP) is required for all work order projects. The plan must be in accordance with the current City Management Manual.

## HYDROSEEDING

- A. All areas that are cleared and grubbed, graded, excavated or filled are subject to stabilization. Any of these areas that are left unpaved or unlandscaped shall be hydroseeded or otherwise fully stabilized under the direction and approval of the Construction Inspector.
- Hydroseeding may occur only during the periods of April 1 though May 31 or September 1 though October 15. Hydroseeding may be allowed during the months of June

### EROSION CONTROL MEASURES

- A. Minimum Erosion Control measures shall include
  - 1. Construction entrance.
  - 3. Protection of catch basins.
- 4. Stabilization of exposed soils.
- B. All erosion control shall be in place prior to clearing. The contractor shall call the City of Tacome inspector for initial erosion control inspection prior to start of work, per item F. below.
- C. Erosion control measures shall be maintained at all times to the approval of the City of Tacoma inspector.
- Should temporary erosion and sedimentation control measures, as shown on plans become inadequate, the contractor shall install facilities a adjacent properties and the City of Tacoma drainage system, meeting approval of the City of Tacoma inspector.
- No permits to perform grading, excevation, or filling during the period from October 1st through Merch 31 shell be issued. EXCEPTION: The City may approve a grading, excevation, or filling plan prepared by a licensed Civil or Geotechnical Engineer which specifically addresses the winter rain season and the associated erosion prob and issue a permit based on such plan.
- F. Call for inspection of the City of Tacoma Inspector upon completion of
- 1. Staking of clearing limits.
- 2. Installation of erosion control and prior to site grading
- 3. Prior to removal of emelon control devices
- G. All material removed from site shall be placed only at a permitted site. Verify location of destination of material prior to exportation
- Traffic control provisions as approved by the City Traffic Engineer shall be adhered to at all times.
- 1. Trees to be removed shall be clearly marked for removal. Trees to be saved shall be fenced with barricade fence at the drip line (outer edge of tree branches) to keep construction vehicles from compacting root zone and killing trees. This fencing shall be maintained until construction ends.
- esures to be installed with initial TESC measures and shall be maintained throughout the duration of site work. Refer to City of Tacoma Std. Plans LS-08 through LS-11.

#### RECORD DRAWINGS CRITERIA FOR ACCEPTANCE OF ALL PRIVATE WORK ORDERS

- entation of the changes. A. All revisions to the approved plans must be approved by the City of Tacoma prior to imple
- B. A determination at the time of proposal shall be made whether the revision can be addressed with red line drawings submitted as a part of the record do require formal submission for approval
- C. Record drawings shall show the station, offset, centerline and gutter flowline elevations, to nearest 0.01 foot; for all horizontal and vertical readway alignment changes, at the intersection end of radius points and at the beginning and end of new paving.
- Record drawings shall show the station, offset, invert, and rim elevations to the nearest 0.01 foot for all stormweter and wastewater structures. (i.e.: manholes, catch basins, etc.)
- E. After any new stormwater and/or westewater pices have been cleaned and the manholes channeled, the main(s) shall be televised for video inspection to provide a record of the constructed conditions and for the wastewater system to verify side sewer connection locations. The City of Tecoma will coordinate this inspection
- F. The property side ends of the side sewers shall be marked in the field by means of a 2-inch by 4-inch board and locate wire that extends from the flow line of the side sewer to at least 1 foot above the finished lot grade. Record drawings shall show all side sewers and shall locate them by m curb, property corner, etc.) In addition, the depth of all side sewers shall be noted on the record drawings and locate board.
- Record drawings shall be received and accepted prior to issuing utility connection permits or release of performance bond
- H. Record drawings shall show vertical and horizontal datum for survey monuments (existing or new construction) within the limits of the project
- Record drawings shall consist of a clean set of approved work order drawings with all changes noted above shown in red ink.
- J. Record drawings, including the Engineer's Certification, as applicable, must be submitted within 30 days of substantial completion or City survey craws will collect the necessary data and bill against the work order

#### MONUMENT REMOVAL PERMIT PROCESS

"No survey monument shall be removed or destroyed (the physical disturbance or covering of a monument such that the survey point is no longer visible or readily accessible before a permit is obtained from the Department of Natural Resources (DNR)." WAC 332-120-030(2) states "It shall be the responsibility of those performing constru or other activity (including road and street resurfacing projects) to adequately search the records and the physical area of the proposed construction work or other activity for the purpose of locating and referencing any known or existing survey monuments." Construction shall not commence until WAC outlined in Chapter 332-120 is compiled with.

### STAKING REQUIREMENTS

### WASTEWATER AND STORMWATER

- A. Clearing stakes if needed.
- B. Stakes every 50 feet plus grade breaks. Try to maintain 12 foot offsets in streets and 8 foot offsets in alleys.
- C. Double offsets at manholes and catch basins (ahead and back stakes at angle points).
- D. Catch basin station shall be to the centerline of the basin. Catch basin offsets shall be to the face of the curb.

#### RESIDENTIAL STREETS

- A. Clearing stakes as needed.
- B. Slope stakes every 50 feet and grade breaks if cuts or fills exceed 2 feet. C. Curb stakes every 50 feet and grade breaks, on 4 foot offset to the face of curb. Curb stakes are set to the top of curb grade (Blue Tops).
- Also stake the beginning and end of all approaches
- E. No centerline of street grades unless the street grade is warped. If street grades are needed, set blue tops for each course

#### ARTERIAL STREETS

- A. Clearing stakes as needed
- Slope stakes every 50 feet and grade breaks if cuts or fills exceed 2 feet
- Curb stakes every 50 feet and grade breaks, on 4 foot offset to the face of curb.
- D. Curb stakes are set to the too of curb crede (Blue Toos). Also stake the beginning and end of all approaches
- E. Stake centerline and quarterline grade every 50 feet and grade breaks at grade for each course.

## **ALLEYS**

A. Stake both sides every 50 feet and grade breaks, on a 2 foot offset to the edge of paving, with a cut of fill to edge of paving on high side and flow line on low side

## SIDEWALKS

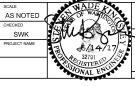
- A. Offsets for walks are set on 50' intervals and grade breaks normally at 2 foot to edge of walk and at edge of welk grade (Blue Tops).
- B. Sidewalk alignment is normally at 5 feet from the face of curb. No walk grades are needed if curbs are built.
- HORIZONTAL AND VERTICAL CURVES A. Grade stakes must be set every 25 feet and grade breaks with a minimum of 3 stakes for each curve. Radius points on street Returns

REVISED: 01-07-2016

REVISION

RI O SWK NI M DATE APPD

06/14/2017



CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS

REPLACEMENT OF RAILWAY TRACK AT BUBBLE TRACK 1 WORK ORDER GENERAL NOTES

ITEMS	TO BUILD	EXISTING	ITEMS	TO BUILD	EXISTING
CEMENT CONCRETE PAVEMENT ASPHALTIC CONCRETE PAVEMENT CEMENT CONCRETE SIDEWALK CEMENT CONCRETE CURB STORM SEWER SANTARY SEWER MANHOLE HILET OR CATCH BASIN TELEPHONE CONDUIT CAS MAIN CAS SERVICE WATER MAIN WATER SERVICE HYDRANT ORNAMENTAL LIGHT POWER POLE	STATE OF THE STATE		COMBINATION POLE TELEPHONE POLE GUY POLE— ANCHOR OR DEADMAN— CONDUIT— TREE— WIRE FENCE— WOOD FENCE— MONUMENT— ROCK WALL— PROFILE CENTER LINE— PROFILE LINE, RICHT— PROFILE LINE, LIEFT— COLLVERT PIPE— MONUMENT LINE— CONSTRUCTION CENTER LINE—	OFF. (**)  DATE STATE STATE  ONE STATE STATE  ONE STATE STATE  ONE STATE STATE  ONE STAT	
CITY OF TACOMA	ve .	APPROVED FOR	PUBLICATION 2 /2 /2	STANDARD	SYMBOLS
DEFARIMENT OF FUBLIC WOR	CITY ENGINE	ER	DATE 2/4/03	STANDARD PLAN	NO. DR-01

# CITY OF TACOMA STD PLANS NO. DR-01 STANDARD SYMBOLS

# **GENERAL CONSTRUCTION SEQUENCE:**

- ARRANGE NECESSARY PRE-CONSTRUCTION MEETINGS WITH THE CITY OF TACOMA CONSTRUCTION DIVISION AND BUILDING AND LAND USE SERVICE, TACOMA POWER, TACOMA WATER, ARCHITECT, AND ENGINEER. STAKE PROJECT LIMITS PRIOR TO BEGINNING CONSTRUCTION.
- NOTIFY CITY INSPECTOR IN WRITING ABOUT SCHEDULED UTILITY AND ROAD CLOSURES AT LEAST 14 DAYS PRIOR TO CONSTRUCTION. DAMAGE TO ANY OF THE PUBLIC UTILITIES AS A RESULT OF THE
- CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR. INSTALL ALL APPLICABLE TESC FACILITIES PER PLAN. MAINTAIN ALL
- TESC FACILITIES DURING THE LENGTH OF THE CONSTRUCTION PROCESS.
  ADDITIONAL FACILITIES MAY BE REQUIRED AS FIELD CONDITIONS
- WARTANI.

  DEMOLISH PAVEMENT, RAILWAY TRACK AND TIES PER APPROVED
  PLANS. COORDINATE UTILITY DISRUPTIONS WITH UTILITY PROVIDERS
  AND ADJACENT PROPERTY OWNERS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION
- INSTALL ALL NEW PAVEMENT, RAILWAY TRACK AND TIES AND CHANNELIZATION.
- REMOVE TESC FACILITIES ONLY AFTER OBTAINING FINAL APPROVAL ROM CITY INSPECTOR
- TRAFFIC TO REMAIN OPEN ON LINCOLN AVE LOOP AND MILWAUKEE WAY DURING CONSTRUCTION.

## **ELEVATION DATUM**

VERTICAL DATUM: CITY OF TACOMA (NGVD 29) BENCHMARK: 3 INCH BRASS DISK ON MILWAUKEE WAY, SOUTH OF E. 11TH AVENUE. BENCHMARK NO. 2863 FI FVATION = 12 117

# BASIS OF BEARING

BASIS OF BEARINGS FOR THIS SURVEY IS THE CITY OF TACOMA DATUM, NAD 83(91) WASHINGTON SOUTH

# PROJECT CONTACT INFORMATION

UTILITY CONTACTS OWNER - PORT OF TACOMA UTILITY REGULATORY AGENCY CONTACT PHONE NUMBER STORM WATER CITY OF TACOMA ENVIRONMENTAL SERVICES (253) 591-5588 PEDRO REYES, PROJECT MANAGER SANITARY SEWER CITY OF TACOMA ENVIRONMENTAL SERVICES (253) 591-5588 (253) 502-8659 JOHN MARTINSEN POWER TACOMA POWER WATER KAREN GERKEN (253) 502-8736 TACOMA WATER STEVEN KINGSLEY, PROJECT MANAGER GRANT WHITLEY (253) 502-8746 PHONE: (253) 396-0150 EMAIL: steve.kingsley@kpff.com PSE/PILCHUCK TERRY BRENTIN (253) 502-6242 TELEPHONE QWEST JOY BATEMAN (253) 597-5100 AT&T BROADBAND (253) 845-4867 MARTIN MCELROY FIRE PROTECTION CITY OF TACOMA CARL ANDERSON (253) 591-5503

# PORT OF TACOMA REPLACEMENT OF RAILWAY TRACK AT LINCOLN AVE OVERPASS

1736 MILWAUKEE WAY

**ABBREVIATIONS** BOTTOM OF CURB BACK OF WALK CURB & GUTTER CATCH BASIN CB CL CO CONC CONST CENTERLINE CLEANOUT CONSTRUCTION DIA, ø DIP D/W DIAMETER DUCTILE IRON PIPE EAST, EASTING EXISTING FINISH FLOOR FLOW LINE EX/EXIST HIGH POINT INVERT ELEVATION LINEAR FOOT LOW POINT MECHANICAL MANHOLE NORTH NORTHING NOT TO SCALE
POWER
POINT OF CURVATURE POINT OF COMBINED CURVATURE PROPERTY LINE POINT OF REVERSED CURVATURE POINT OF TANCENCY POLYVINYL CHLORIDE/POINT OF VERTICAL CURB RETURN TO OWNER RIGHT-OF-WAY

SOUTH STORM DRAIN

UNDERGROUND WATER/WEST

SIDEWALK TELEPHONE TOP OF CURB TYPICAL

TACOMA, WASHINGTON

# **GENERAL PLAN NOTES**

- COORDINATE ALL WORK WITH ON-SITE DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS AND ANY OTHER NEFDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE NOTIFICATION AND COORDINATION WITH THE CITY OF TACOMA.

- FLOW SHALL REQUIRE NOTIFICATION AND COORDINATION WITH THE CITY OF TACOMA.

  ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2010 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD
  SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS MODIFIED FOR USE BY THE CITY OF TACOMA AND THE CITY OF TACOMA STANDARD PLANS.

  A COPY OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
  PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETAINS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

  ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD
  THEREFORE BE CONSIDERED ONLY SHOWN ON INCESSARILY COMPLETE. IT IS THE SOLE REVONSIBILITY OR THE CONTRACTOR TO INDEPPRINENTLY VERIFY
  THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY
  THE INDEPENDENTION OF CITY OF AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY
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- THE IMPLEMENTATION OF THIS PLAN.

  THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UTILITIES BY CONTACTING A UTILITY LOCATE SERVICE AND SHALL PROVIDE SUFFICIENT NOTIFICATION TO THE AFFECTED UTILITY COMPANIES PRIOR TO STARTING WORK. COORDINATE WORK FOR EXISTING UTILITIES WITH CONTACTS SHOWN IN THE UTILITY CONTACTS TABLE. CONTACT UNDERGROUND UTILITIES LOCATION AT 1-800-424-5555 AT LEAST 48 HOURS BEFORE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE TACOMA FIRE DEPARTMENT (253) 591-5737 24 HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE FIRE DEPARTMENT OF ALL NEW, RELOCATED, OR FLIMINATED HYDRANTS RESULTING FROM THIS WORK
- ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
  THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS ON ALL AFFECTED STREETS AT ALL TIMES.
  MAINTAIN AND PROTECT ALL MAINTOLES, CATCH BASINS, FIRE HYDRANTS, MONITORING WELLS, WATER VALVES, PIPING, SURVEY MONUMENTS, TRAFFIC CONTROL
  BOXES, WATER METERS AND ENGINEER OTHER IMPROVEMENTS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS
  DAMAGED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 24 MONTHS FROM THE DATE OF CITY APPROVAL. THE CITY RESERVES THE RIGHT TO REQUIRE REVISIONS, ADDITIONS, DELETIONS, OR MODIFICATIONS SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMITATION OR IF FIELD CONDITIONS ARE DIFFERENT
- FROM WHAT IS DEPICTED ON THESE PLANS. 12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CRITERIA OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK AND RIGHT-OF-WAY DESIGN MANUAL CONTACT PUBLIC WORKS TRAFFIC ENGINEER, PHONE # (253) 591-5554 FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS FOR THIS PROJECT. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VERIFY ALL UTILITY POINTS OF CONNECTIONS TO EMSTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY.

  EXCAVATED MATERIAL MEETING PROJECT SPECIFICATIONS MAY BE USED FOR BACKFILL. NO STOCKPILING OF EXCAVATED MATERIAL IS ALLOWED WITHIN THE PROJ
- 15. REMOVE AND REPLACE ALL BROKEN DAMAGED OR HAZARDOUS SIDEWALK CURB AND GLITTER AND DRIVEWAYS.
- 16. RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF TACOMA ROW RESTORATION POLICY AS ADOPTED JUNE 2, 2009.

  17. THE ENGINEER OF RECORD SHALL PROVIDE AN ENGINEER'S CERTIFICATION TO THE CITY OF TACOMA AFTER FACILITY INSTALLATION AND PRIOR TO PERMIT FINAL INSPECTION AND/OR CLOSEOUT. THE ENGINEER'S CERTIFICATION SHALL INCLUDE:
  - a. THE PERMIT NUMBER
  - b. STATEMENTS TO ATTEST:
  - THAT ALL STORMWATER FACILITIES HAVE BEEN INSTALLED ACCORDING TO THE APPROVED PERMIT DOCUMENTS. CHANGES TO THE APPROVED PERMIT SET THAT ARE REQUIRED DURING CONSTRUCTION SHALL BE SUBMITTED TO BLUS FOR ESSE TO REVIEW AND APPROVAL DURING THE CONSTRUCTION PHASE AND PRIOR TO THE CHANGE BEING CONSTRUCTED.
  - ii. AS-BUILT DRAWINGS HAVE BEEN PROVIDED TO THE CITY ELECTRONICALLY. THESE SHALL BE PROFESSIONALLY DRAFTED ENGINEERING DRAWINGS THAT ARE STAMPED, SIGNED, AND DATED BY A WASHINGTON STATE LICENSED ENGINEER. THE DRAWINGS MUST ACCURATELY REPRESENT THE PROJECT AS CONSTRUCTED. III. THE OPERATIONS AND MAINTENANCE MANUAL IS LOCATED ONSITE.

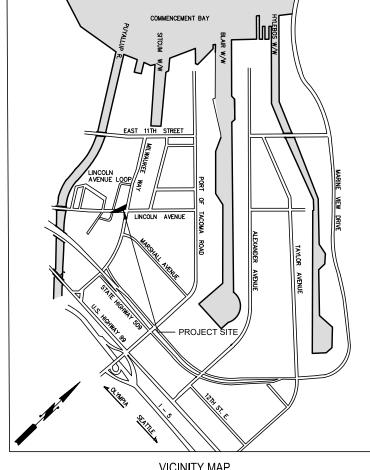
THE ENGINEER'S CERTIFICATION SHALL BE SUBMITTED TO ENVIRONMENTAL SERVICES / PLAN REVIEW LEAD / 326 EAST D STREET / TACOMA, WA 98421. FOR SITE

- RAIL DETAILS
- WORK ORDER GENERAL NOTES

# SHEET INDEX:

COVER SHEET

- SURVEY
  DEMOLITION & TESC PLAN
- DEMOLITION & TESC DETAILS RAII & PAVING PLAN
- AT-GRADE CROSSING SECTION & PROFILE



# VICINITY MAP

## TRAFFIC CONTROL NOTES

<u>LOCATION:</u> UNDERNEATH LINCOLN AVENUE OVERPASS, ADJACENT TO MILWAUKEE WAY THE FOLLOWING SPECIAL TRAFFIC CONTROLS SHALL SUPPLEMENT SECTION 1-07.23 OF THE STANDARD SPECIFICATIONS.

- BIDIRECTIONAL TRAFFIC TO BE MAINTAINED ON LINCOLN AVE LOOP AND MILWAUKEE WAY THROUGHOUT THE DURATION OF PROJECT. THE BIDIRECTIONAL TRAFFIC TO BE MAINTAINED ON LINCOLN AVE LOOP AND MILWAUKEE WAY THROUGHOUT THE DURATION OF PROJECT. THE IMPACTED POPRION OF LINCOLN AVE (BELOW THE OVERPASS) IS CLOSED TO PUBLIC TRAFFIC AND IS ANTICIPATED TO REMAIN SO THROUGHOUT CONSTRUCTION.

  THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CITY OF TACOMA TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CITY OF TACOMA TRAFFIC CONTROL PLAN TO THE CITY OF TACOMA TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO CONDITION WITHOUT CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO CONDITION WITHOUT CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO
- 2. WHEN NECESSARY, AND JUSTIFIED, SINGLE LANES OF TRAFFIC MAY BE CLOSED DURING SPECIFIED HOURS OF THE DAY. THE DETERMINATION OF THESE HOURS SHALL BE IN CONSULTATION WITH AND SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER AND PORT OF TACOMA, PROVIDED THAT LOCAL ACCESS IS MANTAINED AT ALL TIMES WITH A MINIMUM OF A 12 FOOT WIDE ACCESS LANE FOR EACH DIRECTION OF TRAFFIC. THE CONTRACTOR SHALL COORDINATE MAY LANE CLOSURES AND COOPERATE WITH THE VARIOUS BUSINESSES AND COR RESIDENCES ADJACENT TO THE PROJECT SITE. A MINIMUM OF ONE ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES AND DRIVEWAYS ON LINCOLN AVE LOOP AND MILWAUKEE WAY AT ALL TIMES.

THREE (3) WORKING DAYS PRIOR TO ANY LANE CLOSURE. THE CONTRACTOR SHALL NOTIFY:

TACOMA PUBLIC WORKS ENGINEERING DIVISION TACOMA PUBLIC WORKS STREETS AND GROUNDS
TACOMA PUBLIC WORKS SOLID WASTE (253-591-5500) (253-591-5544) (253-591-5733) TACOMA FIRE DEPARMENT (253-591-5951) (253-798-4721-0pt.#3) TACOMA POLICE DEPARTMENT TACOMA PUBLIC SCHOOLS TRANSPORTATION OFFICE (253-571-1853) (253-581-8109)

### GENERAL NOTES:

 PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING AND ISSUANCE OF THE WORK ORDER PERMIT, A BOND SHALL BE SUBMITTED BY THE PERMIT APPLICANT FOR THE VALUE OF THE SCOPE OF WORK TO BE PERFORMED AS ILLUSTRATED BY THE APPROVED WORK ORDER PLANS IN ACCORDANCE WITH

CITY OF TACOMA















REVISION





DEPARTMENT OF PUBLIC WORKS REPLACEMENT OF RAILWAY TRACK

**UNDER LINCOLN AVE OVERPASS COVER SHEET**