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BINDING EDGE

PORT OF TACOMA

OCT TRENCH DRAINAGE PROJECT NO. 091573 CONTRACT NO. 070154

PORT COMMISSIONERS:

CONSTANCE T. BACON
DONALD JOHNSON
RICHARD MARZANO
DON MEYER
CLARE PETRICH

PORT STAFF:

JOHN WOLFE
Chief Executive Officer

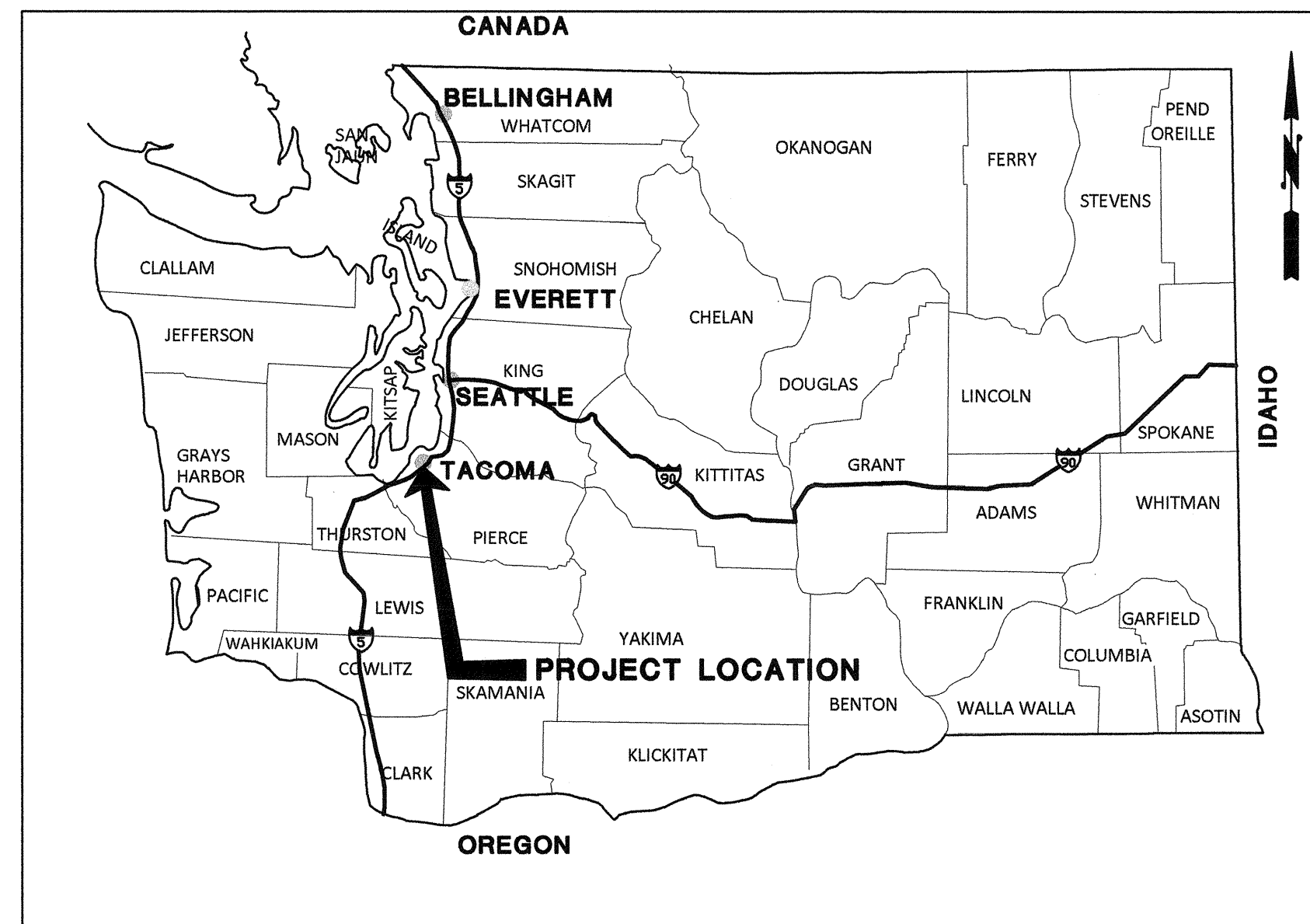
DAKOTA CHAMBERLAIN, PE
Director of Facilities Development

THAIS HOWARD, PE
Director of Engineering

CAROL RHODES, PE
Senior Project Manager

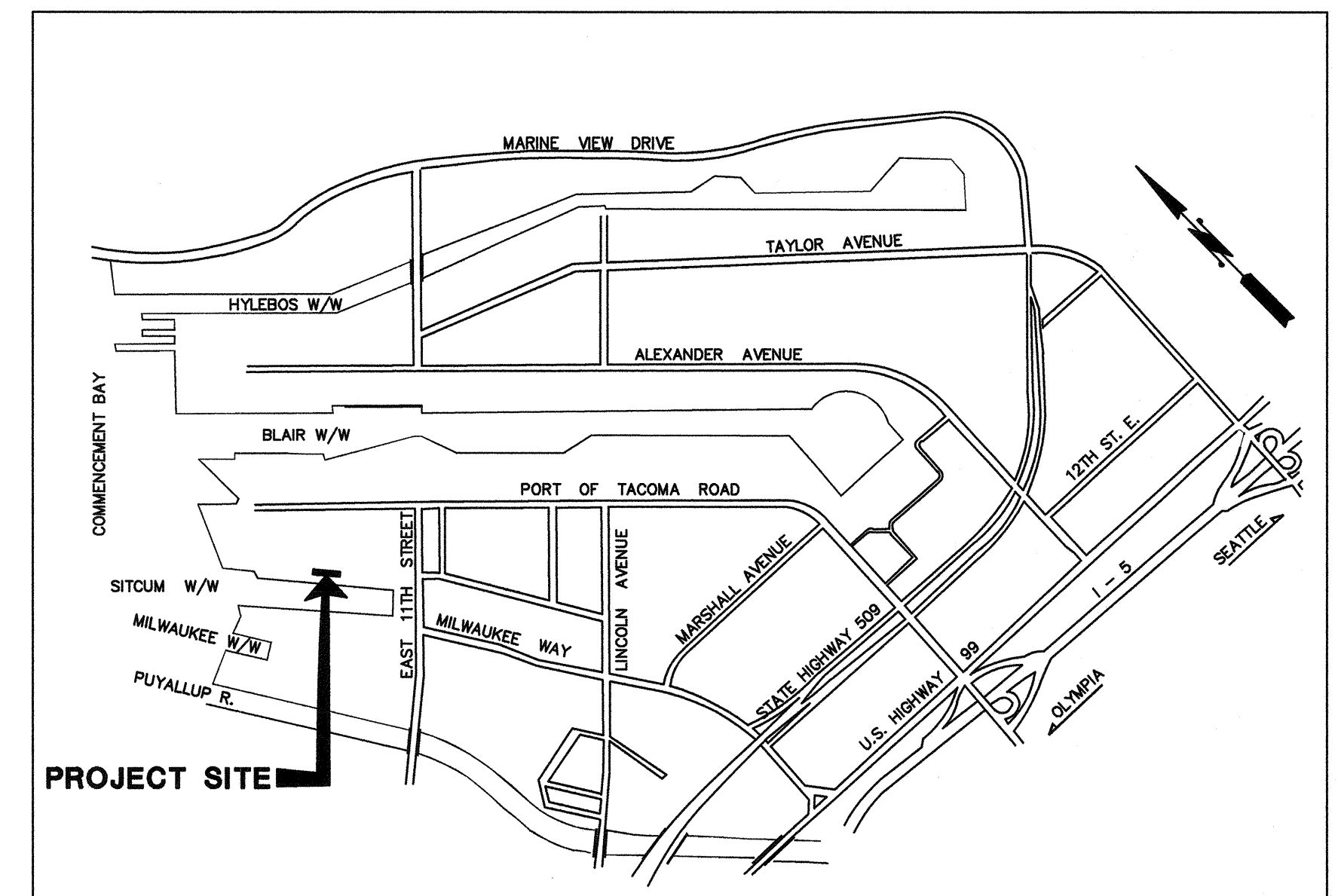
CONSULTANTS:


33301 9th Avenue South, Suite 300
Federal Way, Washington 98003-2600

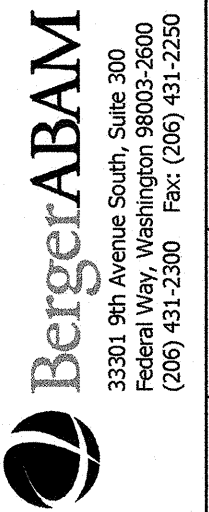
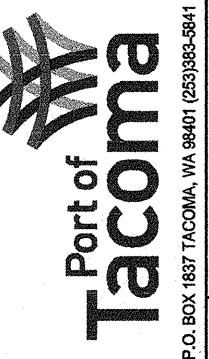




AREA MAP
WASHINGTON
NO SCALE

DRAWING LIST		
SHEET NO.	DRAWING NO.	DRAWING TITLE
GENERAL		
1	G1.0	COVER SHEET, AREA MAP, VICINITY MAP, & DRAWING LIST
2	G2.0	SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
CIVIL		
3	C1.0	TOPOGRAPHIC SURVEY
4	C1.1	PIPE DEMO AND TESC PLAN
5	C1.2	TEMPORARY EROSION & SEDIMENT CONTROL NOTES & DETAILS
6	C2.0	DRAINAGE AND PAVING PLAN
7	C2.1	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 1
8	C2.2	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 2
9	C2.3	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 3
10	C3.0	PROFILE - TRENCH DRAIN
REFERENCE		
11	R1.0	REFERENCE DRAWING
12	R2.0	REFERENCE DRAWING
13	R3.0	REFERENCE DRAWING



VICINITY MAP
PORT OF TACOMA
NO SCALE



6554										G1.0										SHEET 1 OF 13										OCT TRENCH DRAINAGE										COVER SHEET, AREA MAP, VICINITY MAP, & DRAWING LIST										JUV										2/3/16										CHECKED BY: <i>[Signature]</i>										DATE										2/3/16										VHN										2/3/16										PROJ. ENGR										DATE										DIR OF ENG										2-4-16										PRINTED BY: bollinger										PORT ADDRESS: ONE SITCUM WAY										TACOMA, WA 98421-2300										PARCEL: OCT										DRAWING SCALE: AS SHOWN										DATE-HRZ: WA83-SF										VERT: MLW										SECTION: 34										RANGE: 03E										TOWNSHIP: 21N										CONTS/CONS: 070154										MASTER ID NO: 91573										PHASE: ISSUED FOR BID										MARK: 070154										DATE: 070154										BY: 070154										APPR: 070154										REVISION: 070154										P.O. BOX 1887 TACOMA, WA 98401 (253)383-8641										Part of Tacoma																														33301 9th Avenue South, Suite 300 Federal Way, Washington 98003-5500 Fax: (206) 951-2300										Berger ABAM									
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THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

- THESE NOTES CONTAIN GENERAL INFORMATION AND ARE NOT NECESSARILY COMPLETE FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL VERIFY INFORMATION SHOWN ON THE DRAWINGS, IN THE SPECIFICATIONS AND OTHER DOCUMENTS, AND BRING ANY CONFLICTS TO THE ATTENTION OF THE ENGINEER BEFORE BEGINNING THE AFFECTED WORK. THE ENGINEER WILL RESOLVE ANY SUCH CONFLICTS.
- THE TERMINAL WILL BE OPERATIONAL 24 HOURS, 7 DAYS A WEEK. THE CONTRACTOR SHALL KEEP ITS WORKERS, MATERIAL, AND EQUIPMENT CLEAR OF ALL SHIPPING AND CONTAINER HANDLING OPERATIONS AND SHALL NOT IN ANY WAY HINDER OR DISRUPT TERMINAL OPERATIONS. CONTRACTOR SHALL HAVE CONTINUOUS COORDINATION WITH THE PORT. SEE SPECIFICATION SECTION 01 14 00 FOR WORK RESTRICTIONS.
- PROJECT DATUM AND SURVEY CONTROL: REFER TO DWG C1.0 FOR ESTABLISHED PROJECT CONTROL POINTS. THE CONTRACTOR SHALL PERFORM ALL SURVEYING AND STAKING REQUIRED DURING CONSTRUCTION.
- LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN 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 THITHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THESE PLANS.
- THE CONTRACTOR SHALL USE A UTILITY LOCATION SERVICE FAMILIAR WITH THE SITE. DOCUMENTATION OF ALL LOCATES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION. INFORM THE ENGINEER OF ANY POTENTIAL CONFLICTS OR INTERFERENCES FOR RESOLUTION PRIOR TO PERFORMING EXCAVATIONS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION AND EROSION CONTROL (TESC) FACILITIES. REFER TO THE APPLICABLE DRAWINGS AND THE SPECIFICATIONS FOR PLANS AND DETAILS THAT DESCRIBE THE MINIMUM TESC FEATURES REQUIRED.

AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHALL REVISE TESC FACILITIES AND CONFIGURATIONS AS NECESSARY TO ENSURE COMPLETE SILTATION CONTROL AND THAT NO SEDIMENT LADEN WATER ENTERS THE NATURAL OR PIPED DRAINAGE SYSTEM.

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 ITS ACTIVITIES AND TO PROVIDE ADDITIONAL TESC FACILITIES THAT MAY BE NEEDED TO PROTECT THE SITE, ADJACENT LAND AND EXISTING DRAINAGE FEATURES. REMOVE TESC FACILITIES AT COMPLETION OF THE PROJECT.

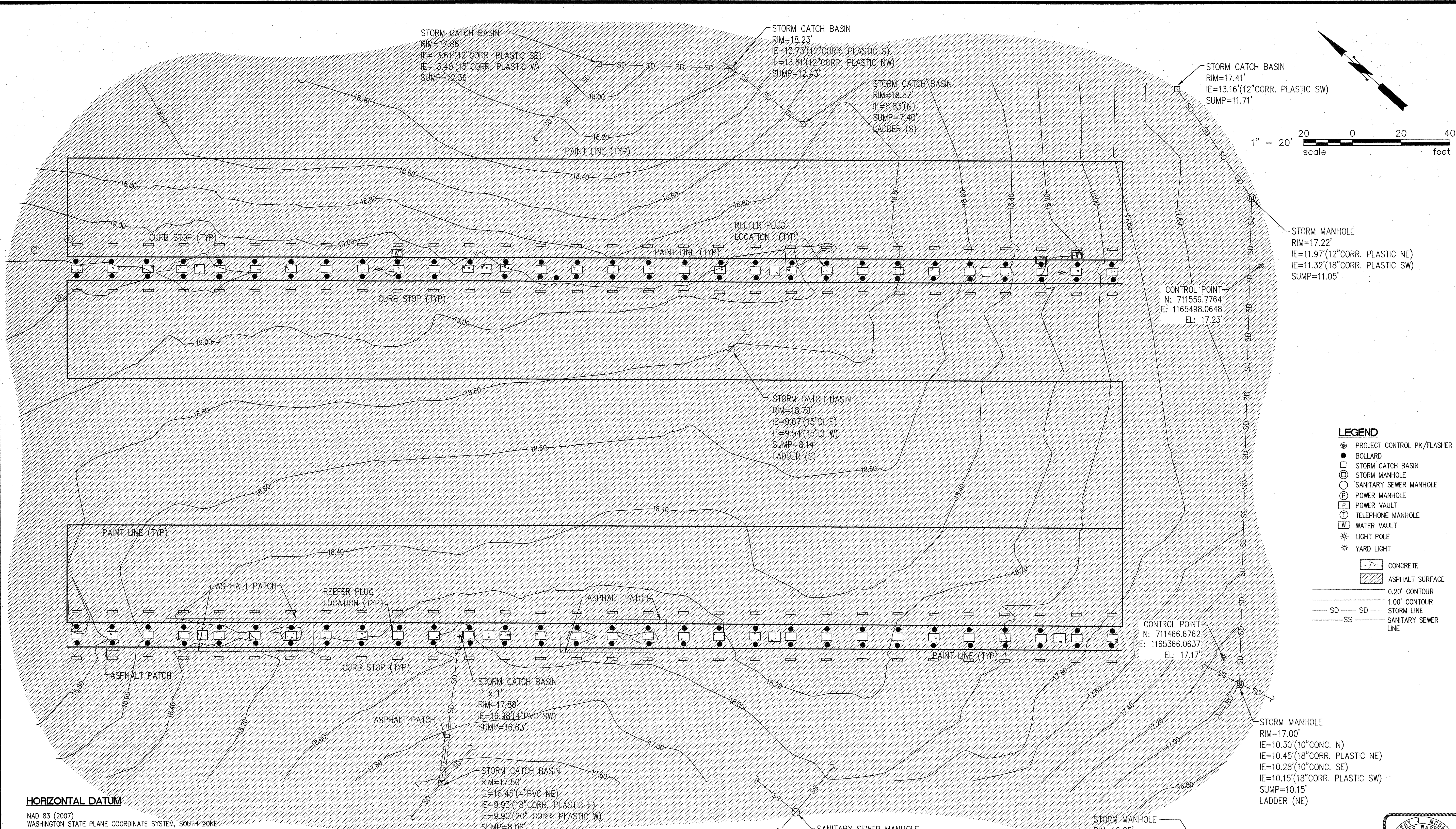
- THE CONTRACTOR SHALL KEEP ALL ON-SITE PROJECT AREAS CLEAN AT ALL TIMES BY SWEEPING. WASHING AND/OR USE OF A WATER TRUCK TO CLEAN PAVED AREAS ARE/IS NOT ALLOWED.
- ANY DAMAGE INCURRED TO ANY PART OF THE SITE OR BOUNDARY NOT SPECIFICALLY DESIGNATED FOR DEMOLITION SHALL BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, TO THE PREDISTURBED CONDITION AS DIRECTED BY THE ENGINEER.
- EXCESS SOIL SHALL BE TEMPORARILY STOCK PILED OUTSIDE OF TERMINAL WORK AREA. EXACT LOCATION SHALL BE AS DIRECTED BY ENGINEER. STOCK PILE LOCATION SHALL BE ASSUMED TO BE WITHIN 1,000 FEET OF WORK AREA. PORT WILL SAMPLE AND TEST MATERIAL PER SPECIFICATION SECTION 01 35 43.19 PRIOR TO ALLOWING CONTRACTOR TO REMOVE AND DISPOSE OF MATERIAL OFF-SITE. THE CONTRACTOR SHALL DISPOSE OF EXCESS OR UNSUITABLE MATERIALS AS INDICATED IN THE SPECIFICATIONS. REFER TO SPECIFICATION SECTION 01 35 43.19 FOR DISPOSAL REQUIREMENTS.
- CONTRACTOR AREAS FOR STAGING, LAYDOWN, STORAGE OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH THE ENGINEER. REFER TO SECTION 01 14 00 WORK RESTRICTIONS IN THE SPECIFICATIONS FOR ADDITIONAL SITE ACCESS INFORMATION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE ADEQUACY OF EXISTING STRUCTURES AND UTILITIES TO SUPPORT CONSTRUCTION EQUIPMENT AND LOADS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL INSTALL AND MAINTAIN SHORING AND BRACING NECESSARY TO PROTECT WORKERS, UTILITIES AND OTHER IMPROVEMENTS AND EXCAVATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL OF TEMPORARY SHORING AND BRACING.
- ALL DEVIATIONS FROM THESE PLANS SHALL BE RECORDED ON A SET OF "AS-BUILT" OR RECORD DRAWINGS. THE CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS, SEE SECTION 01 70 00, EXECUTION AND CLOSEOUT REQUIREMENTS.
- THE WASHINGTON STATE 2014 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AS PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), SHALL APPLY TO WORK AS IDENTIFIED IN THE SPECIFICATIONS.
- FOR BASIS OF BID FOR SAW-CUTTING AND FOR PAVEMENT DEMO, CONTRACTOR SHALL ASSUME EXISTING ASPHALT PAVEMENT THICKNESS IS NOMINALLY 8-INCHES THICK. THICKNESS OF HMA PATCH SHALL MATCH EXISTING.
- PRIOR TO COMMENCING DEMOLITION OPERATIONS, IMPLEMENT EROSION AND SEDIMENT CONTROL PLAN.
- PRIOR TO PAVEMENT DEMOLITION, THE CONTRACTOR SHALL SAW-CUT WHERE NOTED.
- ALL DEMOLITION MATERIAL, INCLUDING PAVEMENT, AND EXCESS SOIL, EXCEPT AS NOTED AND/OR SPECIFIED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- INSTALLATION OF PAVEMENT MARKINGS / STRIPING IS NOT IN CONTRACT (NIC). ANY EXISTING STRIPING WITHIN AREA TO RECEIVE HMA OVERLAY AND OUTSIDE LIMITS OF EXISTING PAVEMENT REMOVAL OR MILLING SHALL BE REMOVED PRIOR TO PAVING IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 8-22.3(6)..

±	AND APPROXIMATELY	N	NORTH
@	AT	NAD	NORTH AMERICAN DATUM
⊕	CENTERLINE	NAVD	NORTH AMERICAN VERTICAL DATUM
∅	DIAMETER	NCD	NEARSHORE CONFINED DISPOSAL
°	DEGREES	NIC	NOT IN CONTRACT
=	EQUALS	NIM	NORTH INTERMODAL
"	INCHES, SECONDS	NGVD	NATIONAL GEODETIC VERTICAL DATUM
'	FEET, MINUTES	NOM	NOMINAL
		NO	NUMBER
		NSF	NATIONAL SANITATION FOUNDATION
		NW	NORTHWEST
ACI	AMERICAN CONCRETE INSTITUTE		
ACP	ASPHALT CONCRETE PAVEMENT	OC	ON CENTER
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	OCT	OCTAGONAL
AMP	AMPLITUDE	OD	OUTSIDE DIAMETER
APPROX	APPROXIMAT (–E, –LY)	OHW	ORDINARY HIGH WATER
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	OPP	OPPOSITE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		
AWS	AMERICAN WELDING SOCIETY	P	POINT LOAD
AWWA	AMERICAN WATER WORKS ASSOCIATION	P/C, PC	PRECAST
		PC/PS	PRECAST/PRESTRESSED
BMP	BEST MANAGEMENT PRACTICE	PDA	PILE DRIVING ANALYZER
BOT	BOTTOM	PERP	PERPENDICULAR
		PL	PLATE
CBC	CALIFORNIA BUILDING CODE	PS	PRESTRESSED
CIP	CAST IN PLACE	PSF	POUNDS PER SQUARE FEET
CJ	CONSTRUCTION JOINT	PSI	POUNDS PER SQUARE INCH
CJP	COMPETE JOINT PENETRATION	PT	POINT
CLR	CLEAR (–ANCE)	PVC	POLY VINYL CHLORIDE
CONC	CONCRETE		
CONT	CONTINUOUS	R, RAD	RADIUS
COMM	COMMUNICATION(S)	R/C	REINFORCED CONCRETE
		REINF	REINFORC (–E, –ED, –ING, –MENT)
DEMO	DEMOLISH OR DEMOLITION	REQ'D	REQUIRED
DIA	DIAMETER	RPM	RADIATION PORTAL MONITOR
DIP	DUCTILE IRON PIPE		
DWG(S)	DRAWING (–S)	S	SECONDS, SOUTH
		SCHED	SCHEDULE
EA	EACH	SD	STORM DRAIN
EHW	EXTREME HIGH WATER	SE	SOUTHEAST
EL, ELEV	ELEVATION	SHT	SHEET
ELW	EXTREME LOW WATER	SIM	SIMILAR
EMBED	EMBEDMENT	SPA	SPACE
EQ	EQUAL (–LY)	SPECS	SPECIFICATIONS
EW	EACH WAY	SQ	SQUARE
EXIST, EX	EXISTING	SS	SANITARY SEWER/STAINLESS STEEL
EXP JT	EXPANSION JOINT	SSP	SHIP SHORE POWER
		STIFF	STIFFENER
FB	FLAT BAR	STRUC	STRUCTURE
f'c	COMPRESSIVE STRENGTH	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
FT	FEET, FOOT	SYMM	SYMMETRICAL
FW	FIRE WATER		
fy	YIELD STRENGTH	T&B	TOP & BOTTOM
		TEMP	TEMPORARY
GALV	GALVANIZE (–D)	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
GPS	GLOBAL POSITIONING SYSTEM	THRU	THROUGH
GR	GRADE	TMC	TACOMA MUNICIPAL CODE
		TOPO	TOPOGRAPHY
H	HIGH	TPU	TACOMA PUBLIC UTILITIES
HAS	HEADED ANCHOR STUD (–S)	TWC	TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL
HDPE	HIGH DENSITY POLYETHYLENE	TYP	TYPICAL
HMA	HOT MIX ASPHALT		
HSS	HOLLOW STRUCTURAL SECTION	UHMW–PE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE
HORIZ	HORIZONTAL	UNC	UNIFIED NATIONAL COARSE
		UNO	UNLESS NOTED OTHERWISE
IBC	INTERNATIONAL BUILDING CODE		
IE	INVERT ELEVATION	V	VOLT
IEBC	INTERNATIONAL EXISTING BUILDING CODE		
IN.	INCH (–ES)	W	WIDTH
		W/	WITH
JT	JOINT	W/O	WITHOUT
		WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
KIP,KIPS	KILOPOUND(–S)		
L	LENGTH		
LB, LBS	POUND(–S)		
LOC	LOCATION		
LF	LOAD FACTOR		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LT	LONG–TON		
MAX	MAXIMUM		
MECH	MECHANICAL		
MH	MANHOLE		
MHHW	MEAN HIGHER HIGH WATER		
MIN	MINIMUM		
MJ	MECHANICAL JOINT		
MLLW	MEAN LOWER LOW WATER		
MSL	MEAN SEA LEVEL		

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[illegible]

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HORIZONTAL DATUM

NAD 83 (2007)
WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH-ZONE
PER 2007 PORT OF TACOMA "BLAIR-HYLEBOS PENINSULA SURVEY CONTROL MAP"

BASIS OF BEARINGS
HELD SOUTH 62°06'38" WEST BETWEEN PORT OF TACOMA CONTROL POINTS #925 AND #102 (NOT SHOWN)
MON #102 N-71167.805 E-1167410.525 MON #925 N-710501.703 E-1166151.914

VERTICAL DATUM

PORT OF TACOMA VERTICAL DATUM (MEAN LOWER LOW WATER)
BENCHMARK 925
WSDOT MONUMENT AT CENTERLINE OF E 11TH ST AT INTERSECTION WITH THORN ROAD
ELEVATION = 17.30'
(PER 2007 PORT OF TACOMA "BLAIR-HYLEBOS PENINSULA SURVEY CONTROL MAP")

METHODS AND EQUIPMENT

SURVEY PERFORMED WITH A 1" TOTAL STATION, USING TRAVERSE AND RADIAL SURVEY METHODS.
THIS SURVEY MEETS OR EXCEEDS ACCURACY REQUIREMENTS CONTAINED IN WAC 332.130.090.

SURVEY NOTES

1. DATA FOR THIS SURVEY WAS GATHERED BY FIELD TRAVERSE UTILIZING ELECTRONIC DATA COLLECTION ON 9-24, 10-6 & 10-10-2015.
2. CONTOUR INTERVALS ARE 0.20' AND ARE COMPUTER GENERATED FROM GROUND FIELD TOPOGRAPHY DATA.
3. THE PURPOSE OF THIS SURVEY IS TO PROVIDE A TOPOGRAPHIC BASE MAP OF THE EXISTING GROUND FEATURES AND IMPROVEMENTS ON A PORTION OF THE PORT OF TACOMA PROPERTY FOR STORM WATER RUNOFF PLANNING, DESIGN, AND CONSTRUCTION.
4. ALL DISTANCES AND DIMENSIONS SHOWN ARE U.S. SURVEY FEET GROUND MEASUREMENTS. UTILITIES OTHER THAN SHOWN MAY EXIST ON THE SITE. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY. THE SURVEYOR DOES CERTIFY THAT THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION.
5. THE SITE IS CURRENTLY BEING USED FOR CONTAINER STORAGE. CONTAINERS WERE BEING MOVED DURING THE COURSE OF THIS SURVEY AND SOME FEATURES MAY NOT HAVE BEEN VISIBLE AT TIME OF THE SURVEY.

LEGEND

- PROJECT CONTROL PK/FLASHER
- BOLLARD
- STORM CATCH BASIN
- STORM MANHOLE
- SANITARY SEWER MANHOLE
- POWER MANHOLE
- POWER VAULT
- TELEPHONE MANHOLE
- WATER VAULT
- LIGHT POLE
- YARD LIGHT
- CONCRETE
- ASPHALT SURFACE
- 0.20' CONTOUR
- 1.00' CONTOUR
- STORM LINE
- SANITARY SEWER LINE

OCT TRENCH DRAINAGE TOPOGRAPHIC SURVEY

C1.0
SHT 1 OF 1

CONT/CONS: PSA #069738	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
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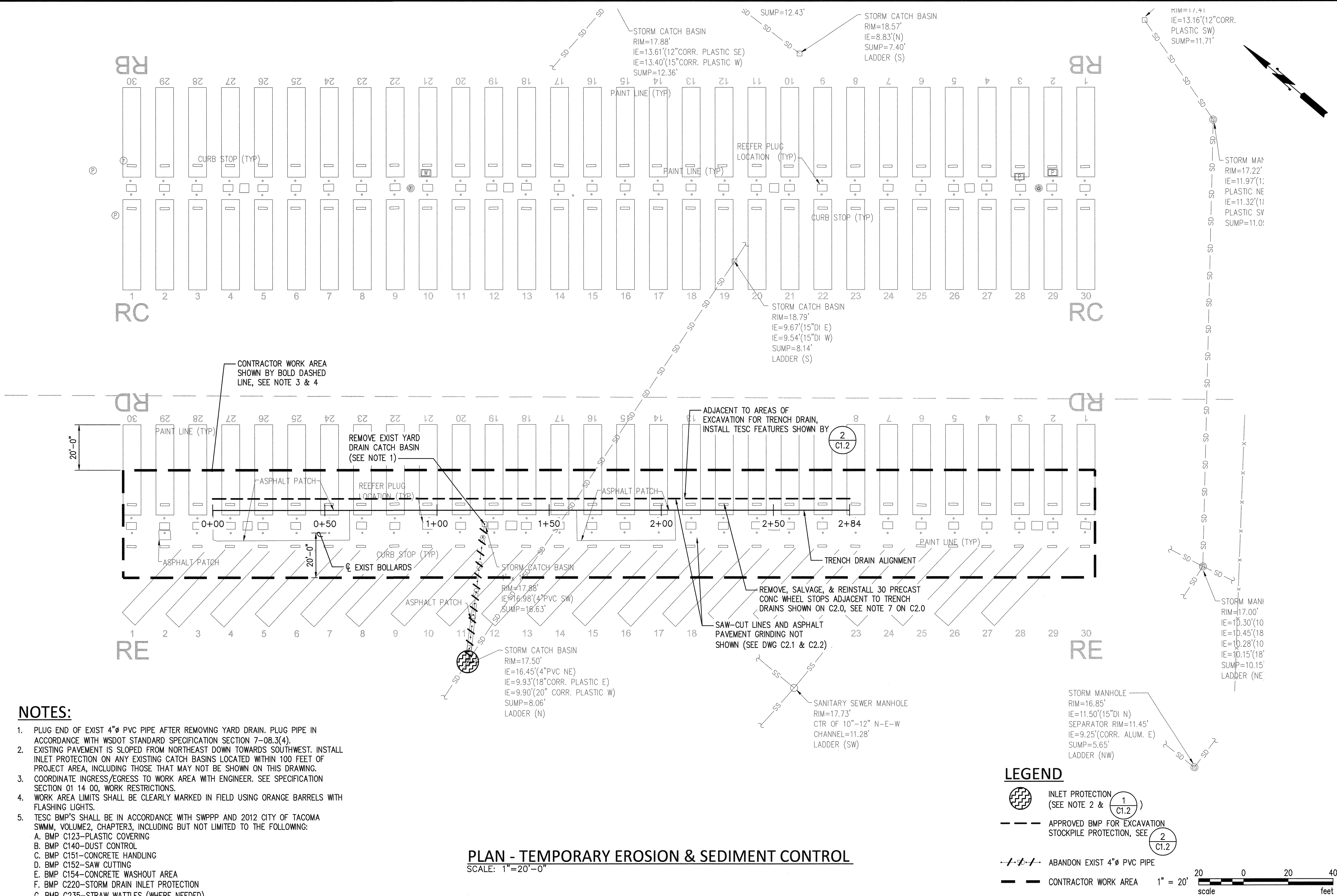
BINDING EDGE

NOTES:

1. PLUG END OF EXIST 4"Ø PVC PIPE AFTER REMOVING YARD DRAIN. PLUG PIPE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 7-08.3(4).
2. EXISTING PAVEMENT IS SLOPED FROM NORTHEAST DOWN TOWARDS SOUTHWEST. INSTALL INLET PROTECTION ON ANY EXISTING CATCH BASINS LOCATED WITHIN 100 FEET OF PROJECT AREA, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THIS DRAWING.
3. COORDINATE INGRESS/EGRESS TO WORK AREA WITH ENGINEER. SEE SPECIFICATION SECTION 01 14 00, WORK RESTRICTIONS.
4. WORK AREA LIMITS SHALL BE CLEARLY MARKED IN FIELD USING ORANGE BARRELS WITH FLASHING LIGHTS.
5. TESC BMP'S SHALL BE IN ACCORDANCE WITH SWPPP AND 2012 CITY OF TACOMA SWMM, VOLUME2, CHAPTER3, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - A. BMP C123-PLASTIC COVERING
 - B. BMP C140-DUST CONTROL
 - C. BMP C151-CONCRETE HANDLING
 - D. BMP C152-SAW CUTTING
 - E. BMP C154-CONCRETE WASHOUT AREA
 - F. BMP C220-STORM DRAIN INLET PROTECTION
 - G. BMP C235-STRAW WATTLES (WHERE NEEDED)

PLAN - TEMPORARY EROSION & SEDIMENT CONTROL

SCALE: 1"=20'-0"



LEGEND

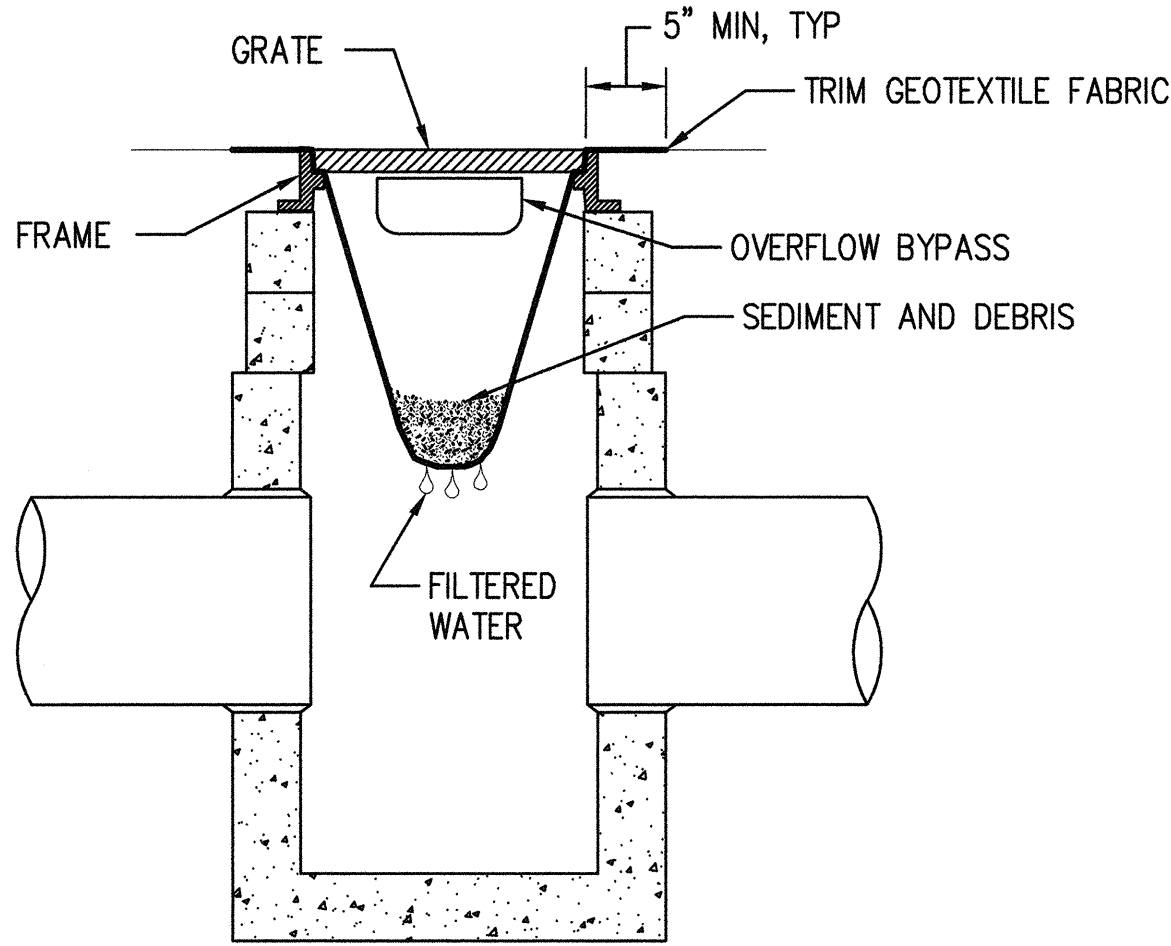
- INLET PROTECTION (SEE NOTE 2 & C1.2)
- APPROVED BMP FOR EXCAVATION STOCKPILE PROTECTION, SEE C1.2
- ABANDON EXIST 4"Ø PVC PIPE
- CONTRACTOR WORK AREA

ISSUED FOR BID

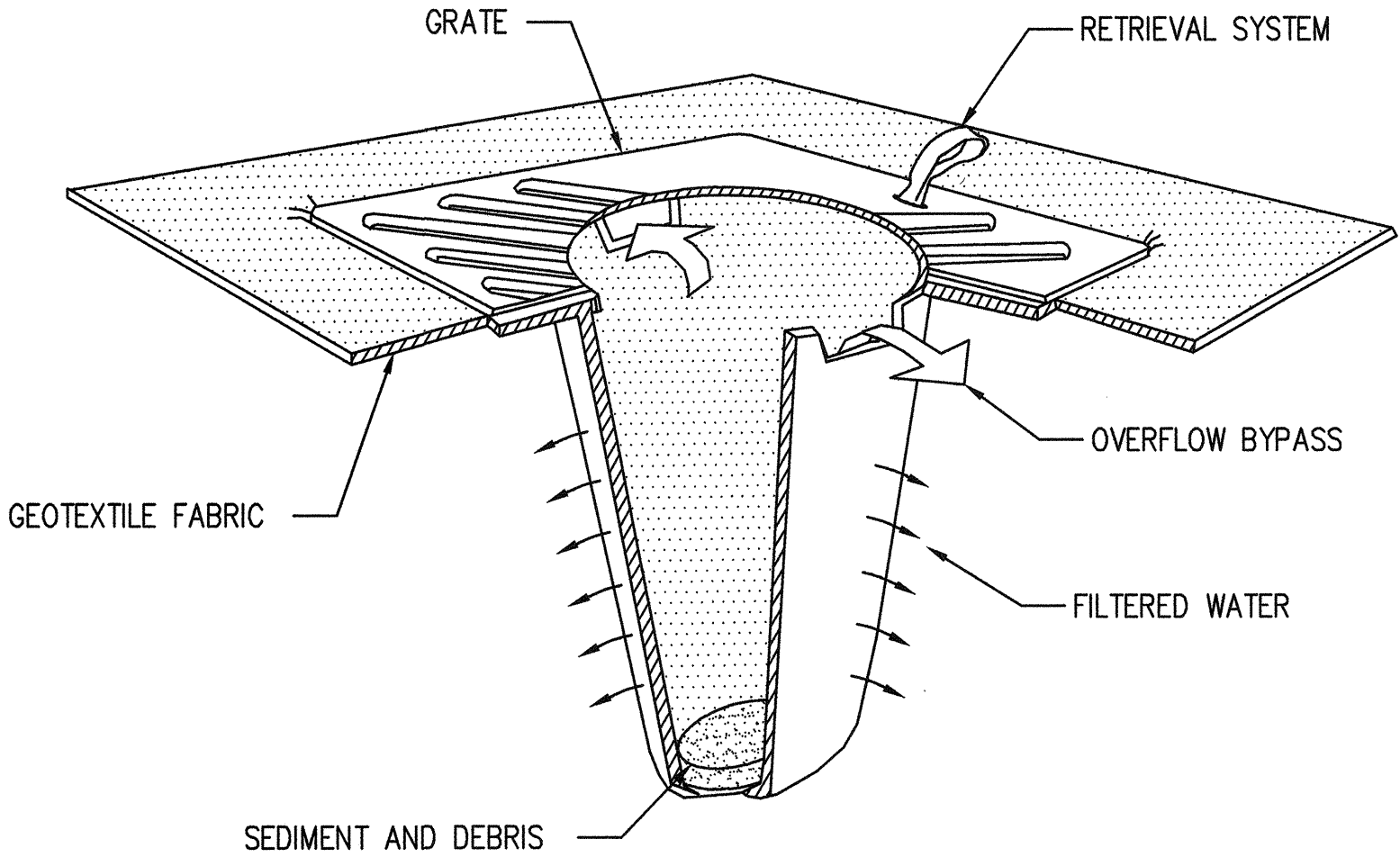
6554 C1.1 SHEET 4 OF 13	OCT TRENCH DRAINAGE PIPE DEMO AND TESC PLAN			
	CONT/CONS: 070154	TOWNSHIP: 21N	RANGE: 03E	SECTION: 34
	MASTER ID NO: 91573	DAT-HRZ: WA83-SF	VERT: MLW	PARCEL: OCT
	PHASE: ISSUED FOR BID	DRAWING SCALE: AS SHOWN	PORT ADDRESS: ONE SITCUM WAY TACOMA, WA 98421-2300	PRINTED BY: bollinger
APPROVED: <i>[Signature]</i>		DIR OF ENG: 2-4-16	VHN: 2/3/16	CHECKED BY: DATE
BERGERABAM 3330 9th Avenue South, Suite 300 Federal Way, Washington 98003-2600 (206) 451-2300 Fax: (206) 451-2250		MARK:	REVISION:	BY:
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		WITHOUT WRITTEN PERMISSION		

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BINDING EDGE



CROSS SECTION



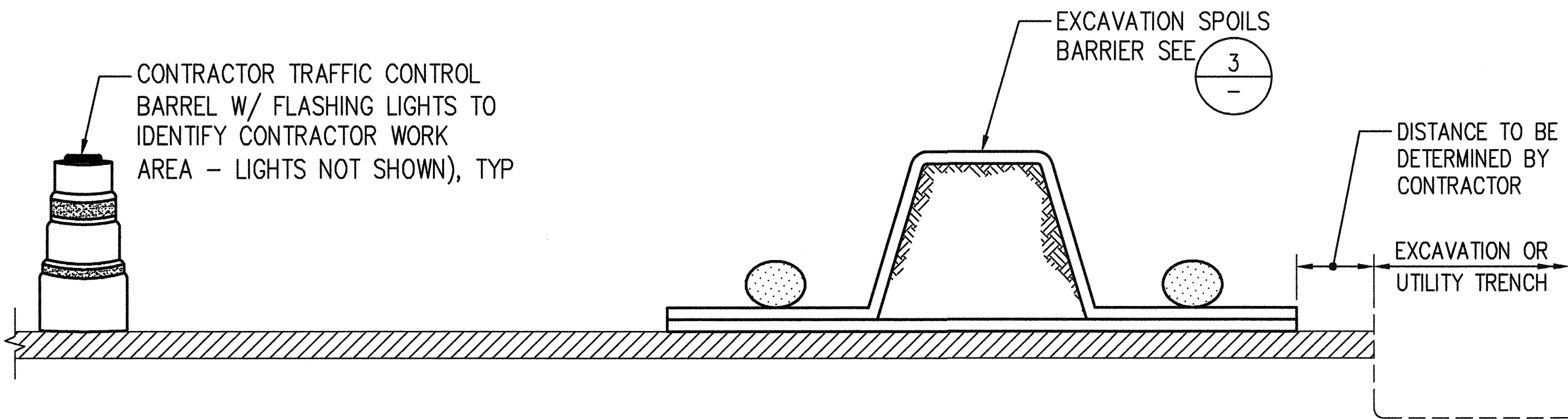
ISOMETRIC VIEW

1
C1.1
INLET PROTECTION
SCALE: NTS

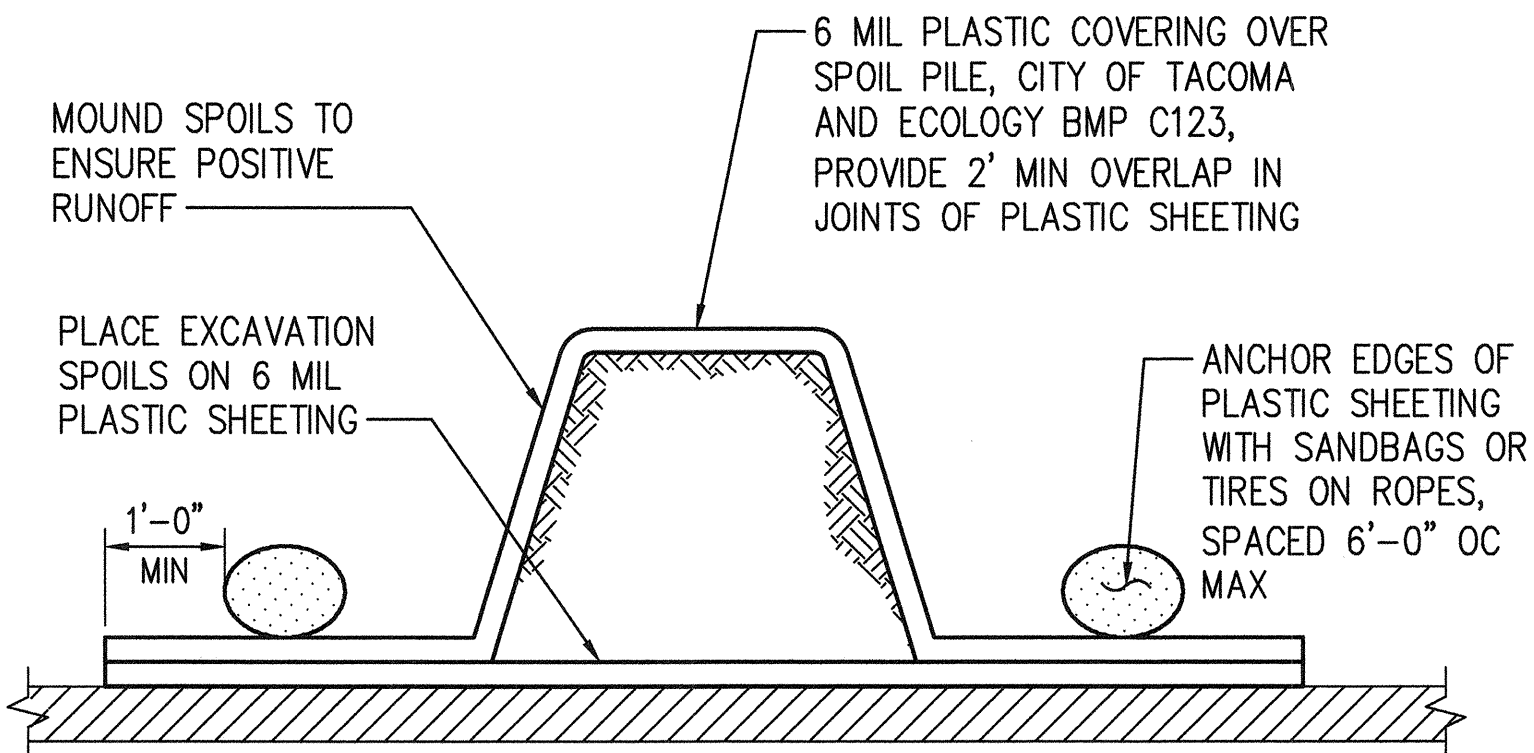
INLET PROTECTION NOTES:

- PROVIDE INLET SEDIMENT PROTECTION WITH STREAMGUARD CATCH BASIN INSERT #3003 (OR APPROVED EQUAL) AVAILABLE FROM:

SEACOR ENVIRONMENTAL PRODUCTS
815 W. EWING STREET SEATTLE, WA 98119
PHONE: 1-866-644-3677
- ACCUMULATED SEDIMENT ON OR AROUND A PROTECTED INLET SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED BY FLUSHING.
- REPLACE CATCH BASIN INSERT WHEN THE SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. THE INSERT SHALL BE REPLACED AT LEAST MONTHLY, OR AS DIRECTED BY THE ENGINEER.






2
C1.1
DETAIL - TYP EXCAVATION SECTION
SCALE: NTS

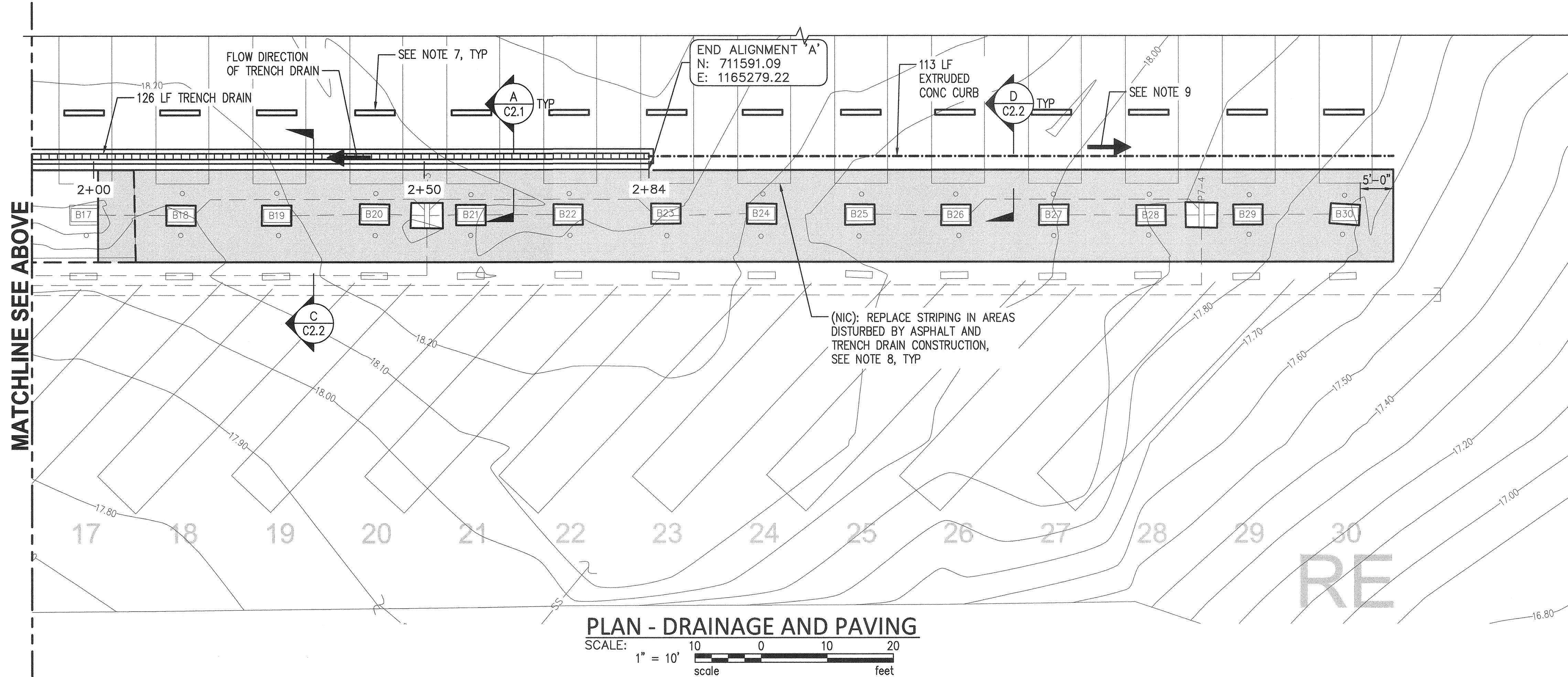
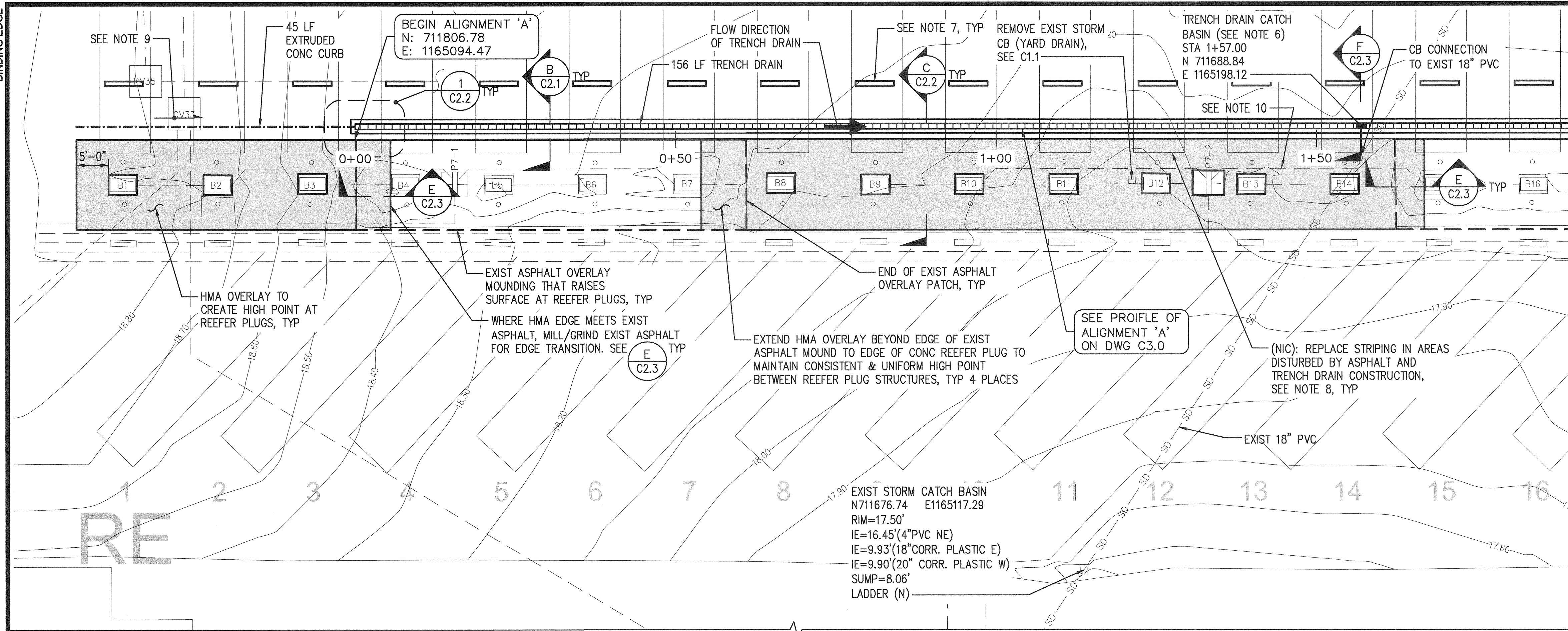


3
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DETAIL - TYP EXCAVATION SPOILS BARRIER
SCALE: NTS




EROSION CONTROL NOTES:

- APPROVAL OF THIS TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF PIPES, DRAINAGE TRENCHES, ETC.), OR THE CONTRACTOR MAINTAINED CONSTRUCTION SWPPP.
- IMPLEMENTATION OF THESE EROSION & SEDIMENT CONTROL PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE TESC FACILITIES SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED.
- CONTRACTOR SHALL PREPARE CONSTRUCTION PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL COMPLY WITH, MAINTAIN, AND MODIFY AS NEEDED THE APPROVED SWPPP IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. REFER TO SPECIFICATION SECTION 01 57 13 SWPPP SHORT FORM.
- THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS ANTICIPATED FOR SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED, FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
- ON-SITE EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF WORK AND SHALL BE MAINTAINED DURING AND AFTER EXCAVATION AND GRADING OPERATIONS TO THE APPROVAL OF THE ENGINEER.
- IF CONSTRUCTION OCCURS DURING DRY WEATHER PERIODS, DUST FROM CONSTRUCTION SHALL BE MINIMIZED THROUGH USE OF BEST MANAGEMENT PRACTICES (BMPs) OUTLINED IN THE SWPPP AND THE CITY'S STORMWATER MANUAL.
- THE TESC FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE PORT DRAINAGE SYSTEM, ADJACENT WATERWAYS, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION.
- ALL FACILITIES SHALL BE MAINTAINED ON SITE BY SWEEPING OR OTHER MEANS TO PREVENT DEBRIS, DUST AND MUD FROM ACCUMULATING ON THE PAVED SURFACES.
- NON-COMPLIANCE WITH THE EROSION CONTROL AND WATER QUALITY REQUIREMENTS MAY RESULT IN A TEMPORARY STOP-WORK ORDER UNTIL SAID EROSION CONTROL MEASURES ARE FUNCTIONAL. TEMPORARY STOP-WORK ORDER SHALL NOT MODIFY CONTRACT SCHEDULE.
- THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES OUTSIDE OF THE DESIGNATED PROJECT LIMITS OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM, OR INTO THE ADJACENT WATERWAYS.
- DEWATERING ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT ENSURES NO SILT-LADEN WATER ENTERS ADJACENT WATERWAYS OR STORM DRAINAGE SYSTEM.
- NOTIFY ENGINEER UPON INSTALLATION AND AFTER REMOVAL OF EROSION CONTROL MEASURES. THE NAME AND PHONE NUMBER OF THE CERTIFIED EROSION CONTROL LEAD SHALL BE PROVIDED TO THE ENGINEER AND REDLINED ON THE PLANS PRIOR TO THE EROSION CONTROL INSPECTION.
- ALL CATCH BASIN INLET PROTECTION INSTALLED ON-SITE SHALL BE REPLACED AFTER SUBSTANTIAL COMPLETION .
- REMOVE SEDIMENT FROM THE STORM SYSTEM ONCE THE SITE IS PERMANENTLY STABILIZED. THE CLEANING AND REMOVAL OPERATION SHALL NOT FLUSH SEDIMENT DOWNSTREAM.
- IN ADDITION TO INLET PROTECTION SHOWN ON PLAN, INSTALL INLET PROTECTION ON ALL EXISTING CATCH BASINS THAT ARE DISCOVERED IN FIELD WITHIN 100 FEET OF THE CONTRACTORS WORK AREA OR THAT WILL BE IMPACTED BY CONTRACTOR ACTIVITY EVEN IF THEY ARE NOT SHOWN ON PLANS.

6554										OCT TRENCH DRAINAGE										APPROVED: <i>[Signature]</i> 2-4-16										JUV 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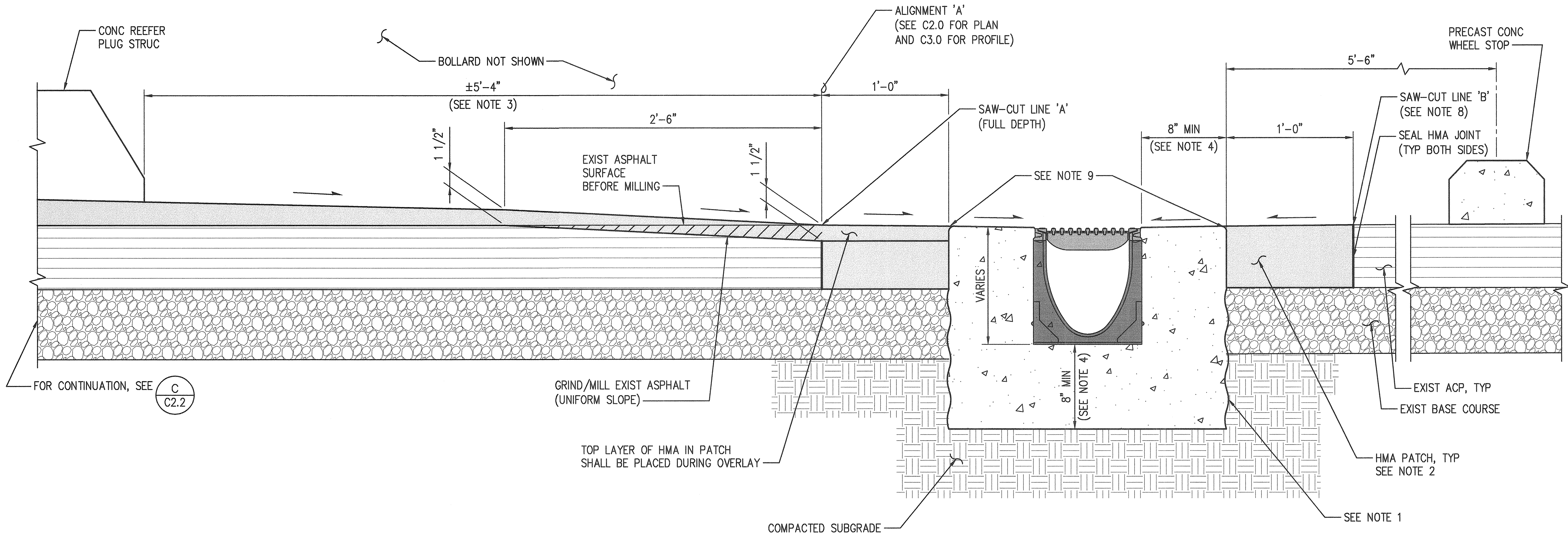
1. POLYMER CONCRETE TRENCH DRAIN SHALL HAVE INTERNAL WIDTH BETWEEN 6" AND 8" WITH A BUILT IN SLOPE OF 0.5% TO 1.0% NEUTRAL (FLAT) SECTIONS SHALL BE USED AS NOTED IN THE SPECIFICATIONS.
2. EXTRUDED CONCRETE CURB SHALL BE IN ACCORDANCE WITH WSDOT STD PLAN F-10.42--00, TYPE 6, AND WSDOT STD SPEC SECTION 8--04.3(1)A. PRECAST CONCRETE WHEEL STOPS SHALL BE 6"H x 9"W x 6'-0"L. ANCHOR WHEEL STOPS USING (2) #5 BAR x 22" LONG LOCATED 12" TO 16" FROM EACH END. TOP OF BAR SHALL BE FLUSH WITH TOP OF WHEEL STOP.
3. HOT MIX ASPHALT (HMA) SHALL BE CLASS 1/2", PG 64--22. TOTAL THICKNESS OF HMA PATCH SHALL BE EQUAL TO THICKNESS OF EXISTING ASPHALT FOR AREAS ADJACENT TO TRENCH DRAIN, AND OTHER SURFACE RESTORATION AREAS. ASSUME EXISTING PAVEMENT IS 8-INCHES THICK. HMA OVERLAY AREAS SHOWN ON PLAN. PATCH AND SURFACE RESTORATION AREAS NOT SHOWN ON PLAN.
4. IF MAXIMUM ALLOWABLE OUTLET PIPE SIZE FROM CATCH-BASIN IS LESS THAN 12-INCHES, USE MAXIMUM AVAILABLE SIZE (8" MINIMUM) AND INSTALL 12"x8" REDUCER ON OUTLET.
5. TRENCH DRAIN INVERT SHALL BE MINIMIZED AT EACH END (8" MINIMUM DEPTH). INVERT ALONG TRENCH DRAIN TO BE DETERMINED FROM CONTRACTOR'S SHOP DRAWINGS OF TRENCH DRAIN LAYOUT AND ASSOCIATED SLOPE OF PRODUCT SELECTED.
6. TRENCH DRAIN CATCHBASIN SHALL BE SUPPLIED BY TRENCH DRAIN MANUFACTURER. PIPE OUTLET ON THE CATCHBASIN SHALL BE FOR 12" PVC PIPE (SEE NOTE 4).
7. PRECAST CONCRETE WHEEL STOPS: REMOVE (30) WHEEL STOPS AND ANCHORS WITH CARE AND SALVAGE FOR REUSE.. REINSTALL EXIST SALVAGED WHEEL STOPS INTO EXIST ASPHALT PAVEMENT. LOCATE WHEEL STOPS 5'-6" NORTHEAST OF OUTSIDE EDGE OF CONCRETE AROUND TRENCH DRAIN. SEE SECTIONS 'A' AND 'B' ON C2.1. DAMAGED WHEEL STOPS SHALL BE REPLACED. ASSUME 25% ARE DAMAGED DURING REMOVAL FOR BIDDING PURPOSE. AT THE DISCRETION OF THE ENGINEER, REPLACEMENT BEYOND 25% SHALL BE AT CONTRACTOR'S EXPENSE IF CARE WAS NOT TAKEN DURING REMOVAL PROCESS. FINAL LOCATION OF WHEEL STOP SHALL BE CONFIRMED BY ENGINEER PRIOR TO RE-INSTALLATION.
8. STRIPING (NIC): REPLACEMENT OF EXISTING STRIPING IN AREAS DISTURBED BY ASPHALT AND TRENCH DRAIN CONSTRUCTION SHALL BE PERFORMED BY OTHERS IN ACCORDANCE WITH WSDOT M41-10, SECTION 8--22, TITLED PAVEMENT MARKING. LINE WIDTH AND COLOR SHALL MATCH EXISTING. INCLUDE GLASS BEADS IN PAINT IN ACCORDANCE WITH SECTION 8--22.3(3)G WHERE ADJACENT EXISTING STRIPING HAS GLASS BEADS. LOCATION OF REPLACEMENT STRIPING SHALL BE COORDINATED WITH ENGINEER.
9. STORMWATER RUNOFF TO RUN ALONG CURB IN DIRECTION SHOWN BASED ON SURVEY. CURB USED TO ENSURE ANY WATER BUILDING-UP IN LOCALIZED LOW AREAS DOES NOT FLOW TO REEFER PLUGS.
10. CONTRACTOR SHALL REVIEW REFERENCE DRAWINGS AND EXCAVATE WITH CAUTION SO AS NOT TO DAMAGE EXISTING ELECTRICAL INFRASTRUCTURE.

 EXTRUDED CONC CURB (SEE NOTE 2)
 TRENCH DRAIN (SEE NOTE 1)
 HMA OVERLAY (SEE NOTE 3)

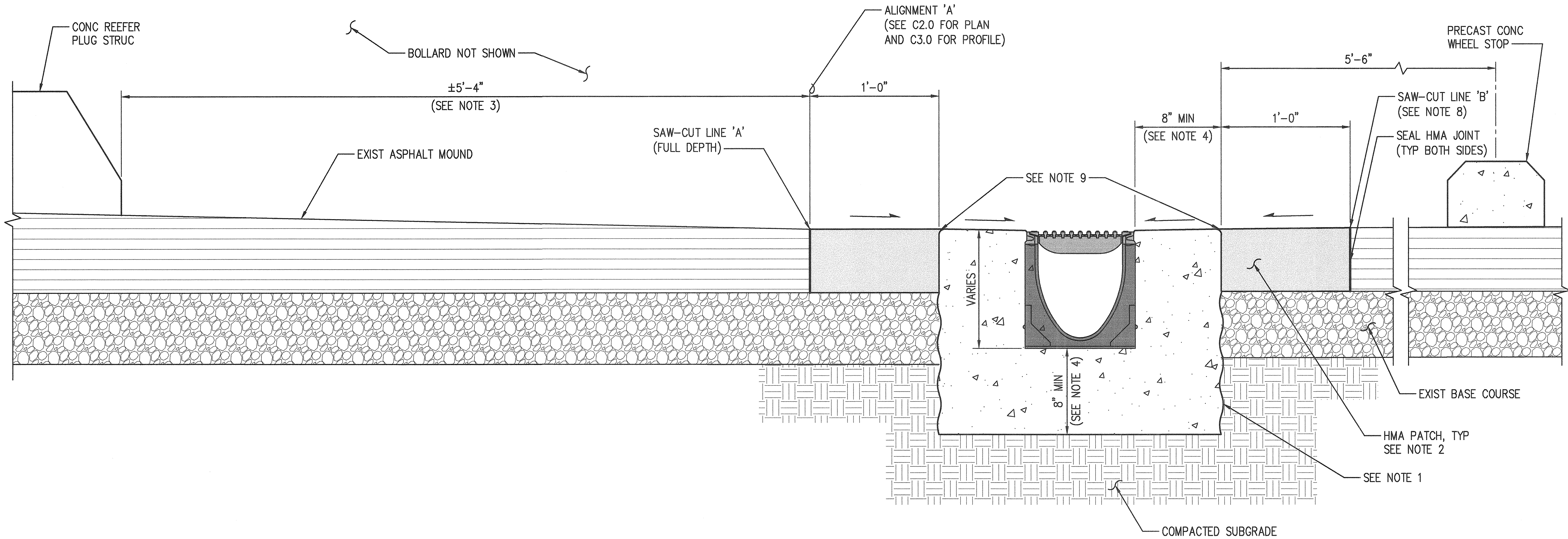
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BINDING EDGE



SECTION - TRENCH DRAIN @ HMA OVERLAY
 SCALE: NTS



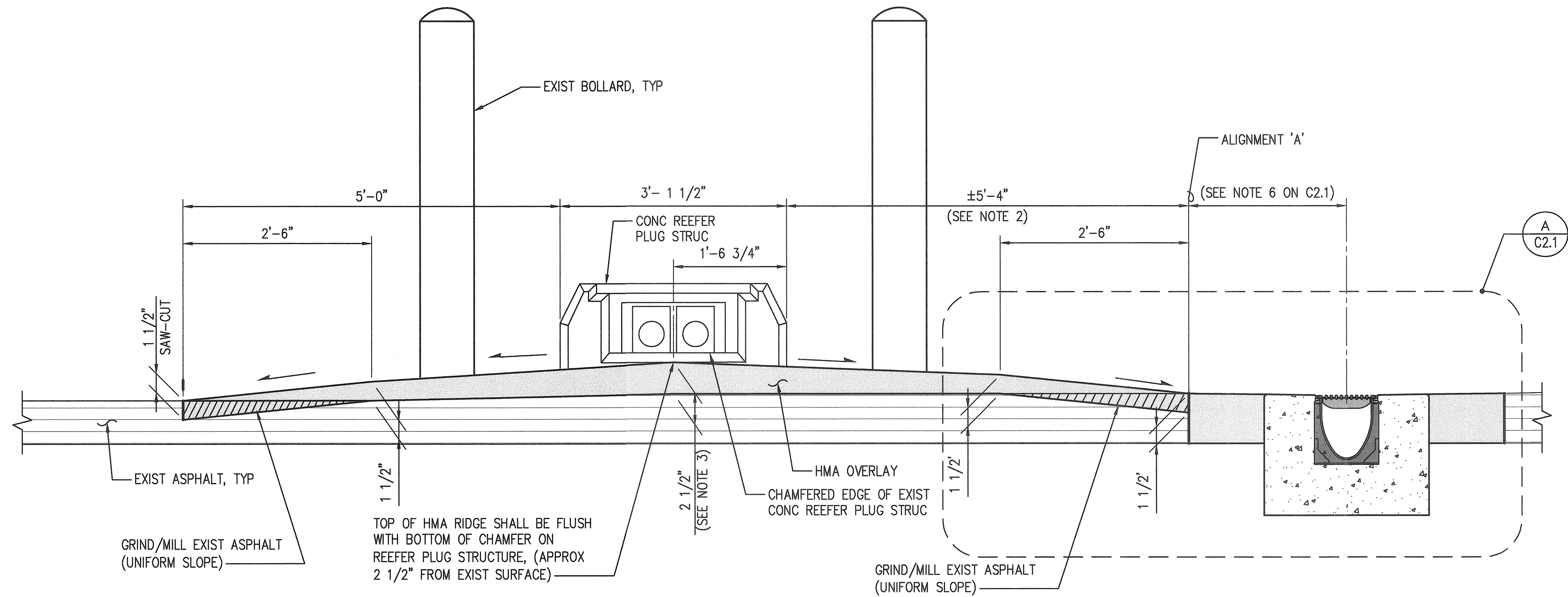
SECTION - TRENCH DRAIN @ EXIST ASPHALT MOUND
 SCALE: NTS

NOTES:

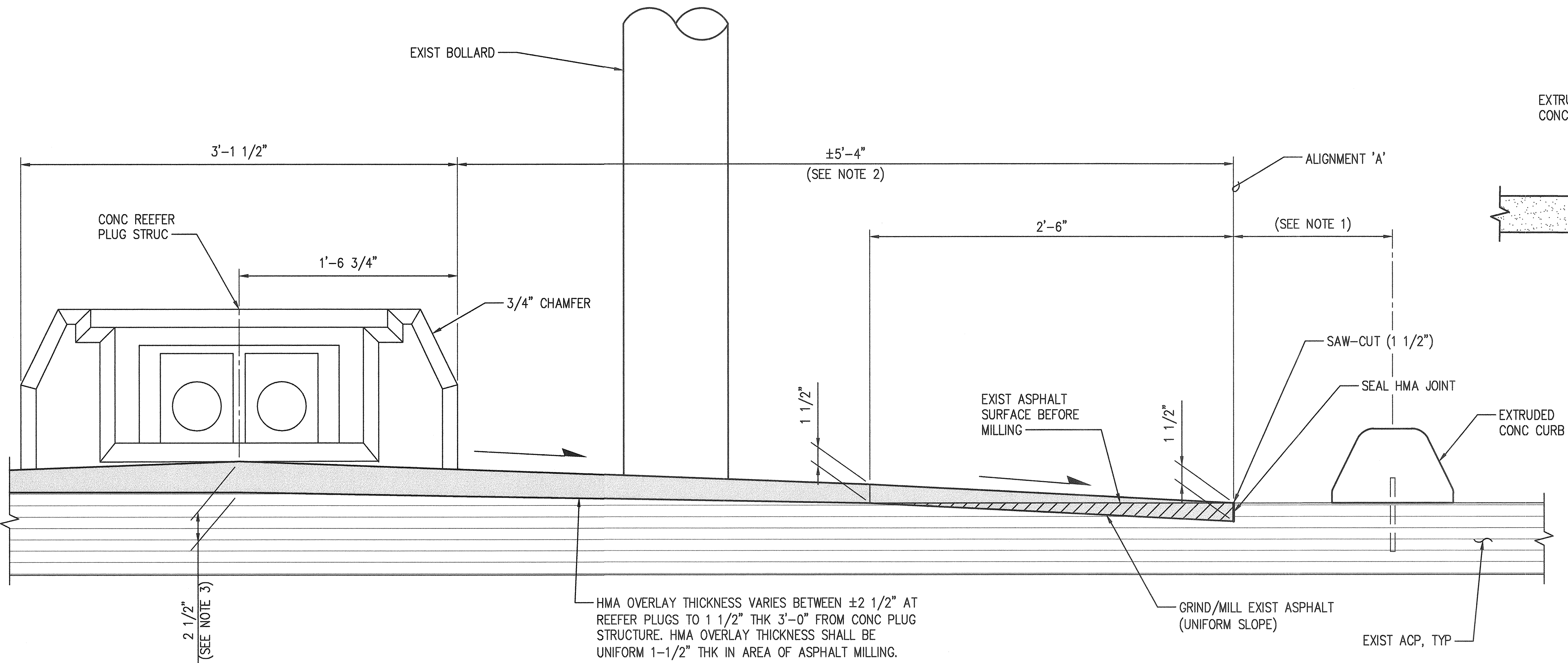
- IN LOCATIONS WHERE EXISTING SUBGRADE CANNOT HOLD A VERTICAL EXCAVATED EDGE FOR TRENCH DRAIN CONSTRUCTION, EXCAVATE ADDITIONAL WIDTH FOR PLACEMENT OF FORMS TO CONSTRUCT TRENCH DRAIN. AFTER CONCRETE HAS SET FOR MIN OF 7 DAYS, FILL VOID SPACE BETWEEN CONCRETE TRENCH DRAIN AND SOIL WITH CDF TO BASE OF WHERE HMA PATCH WILL BE PLACED.
- PROFILE ON DRAWING C3.0 SHOWS TOP OF EXISTING PAVEMENT ELEVATION AT ALIGNMENT 'A' (SAW-CUT LINE 'A') AND APPROXIMATE LOCATION OF SAW-CUT LINE 'B'. PROFILE ON DRAWING C3.0 ALSO SHOWS TOP OF OUTSIDE CONCRETE EDGE ELEVATION FOR TRENCH DRAIN. TOP OF TRENCH DRAIN GRATE IS 1/2-INCH LOWER THAN TOP OF OUTSIDE CONCRETE EDGE ELEVATION. TOP OF HMA PAVEMENT PATCH ON EACH SIDE OF CAST-IN-PLACE CONCRETE TO SAW-CUT LINE 'A' AND 'B' SHALL BE FLUSH WITH TOP OF CONCRETE AND EXISTING ASPHALT PAVEMENT, SHALL HAVE UNIFORM SLOPE, AND SHALL BE THE VERTICAL TRANSITION FROM EXISTING PAVEMENT TO TOP OF THE CONCRETE AROUND THE TRENCH DRAIN.
- SEE DRAWING C2.0 FOR LOCATION OF ALIGNMENT.
- MINIMUM THICKNESS OF CAST-IN-PLACE CONCRETE AROUND TRENCH DRAIN SHALL BE PER MANUFACTURER'S RECOMMENDATIONS BASED ON LOAD CLASS OF TRENCH DRAIN SELECTED, BUT IN NO CASE SHALL BE LESS THAN 8-INCHES.
- BEGINNING AND END OF ALIGNMENT 'A' IS AT BEGINNING AND ENDING OF TRENCH DRAIN AND GRATE (NOT CAST-IN-PLACE CONCRETE AROUND TRENCH DRAIN).
- ALIGNMENT 'A' REPRESENTS THE SOUTHWEST SIDE OF THE TRENCH DRAIN CONSTRUCTION AS SHOWN ON SECTION 'A' AND 'B' OF DRAWING C2.1. CENTER OF TRENCH DRAIN LOCATION IS AN OFFSET FROM ALIGNMENT 'A' BASED ON WIDTH OF TRENCH DRAIN PRODUCT PROCURED AND FINAL WIDTH OF CAST-IN-PLACE CONCRETE AROUND TRENCH DRAIN (SEE NOTE 4 ABOVE).
- CENTER OF EXTRUDED CURB SHALL BE ALIGNED WITH CENTER OF TRENCH DRAIN AND MAINTAIN SAME OFFSET FROM REEFER PLUG STRUCTURES AS TRENCH DRAIN.
- SAW-CUT LINE 'B' (FULL DEPTH). AVOID CAUSING EXIST BASE COURSE FROM SLOUGHING. (TYP BOTH SIDE).
- BOTH OUTSIDE EDGES OF CONCRETE SHALL BE AT SAME ELEVATION. TOP OF GRATE SHALL BE 1/2" LOWER THAN OUTSIDE EDGES OF CONCRETE. FOR ELEVATION OF CONCRETE OUTSIDE EDGES, SEE PROFILE ON DRAWING C3.0.

6554 C2.1 SHEET 7 OF 13	OCT TRENCH DRAINAGE				APPROVED: <i>[Signature]</i> JUV 2/3/16 CHECKED BY: <i>[Signature]</i> VHN 2/3/16
	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 1				DIR OF ENG: <i>[Signature]</i> DATE: 2-4-16 PRINTED BY: bollinger
	TOWNSHIP: 21N RANGE: 03E SECTION: 34	DAT-HRZ: WA83-SF VERT: MLLW PARCEL: OCT	PORT ADDRESS: ONE SITCUM WAY TACOMA, WA 98421-2300	DRAWING SCALE: AS SHOWN	DATE: APR: BY: REVISION: MARK:
	THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION				

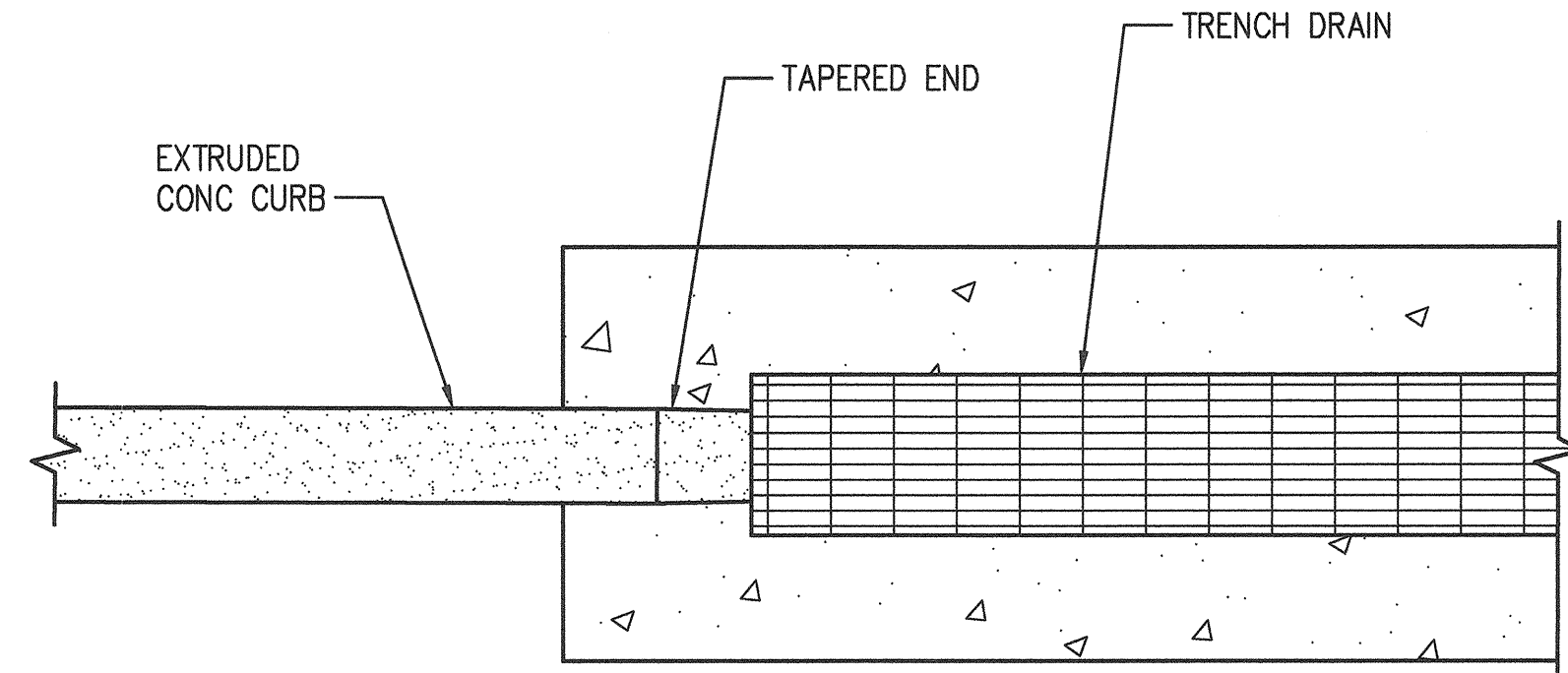
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C C2.0 SECTION - HMA OVERLAY MOUNDING SCHEMATIC
 SCALE: NTS



D C2.0 SECTION - HMA OVERLAY @ CURB
 SCALE: NTS



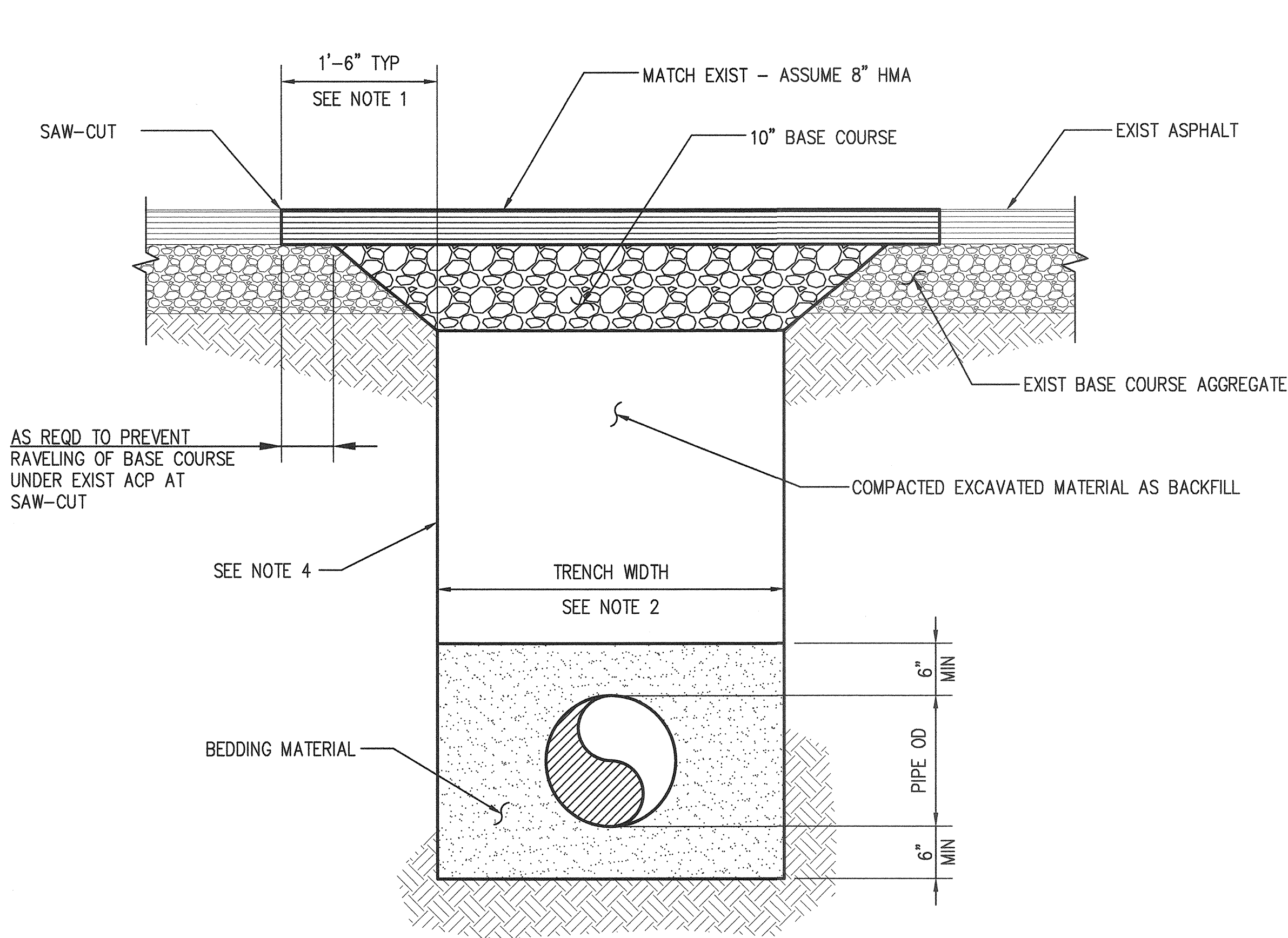
1 C2.0 DETAIL - CURB TO TRENCH DRAIN
 SCALE: 1"=1'-0"

NOTES:

- CENTER OF EXTRUDED CURB SHALL BE ALIGNED WITH CENTER OF TRENCH DRAIN AND MAINTAIN SAME OFFSET FROM REEFER PLUG STRUCTURES AS TRENCH DRAIN.
- SEE DRAWING C2.0 FOR LOCATION OF ALIGNMENT 'A'.
- VERTICAL DISTANCE FROM EXISTING PAVEMENT SURFACE TO BOTTOM OF 3/4" CHAMFER IS APPROXIMATELY 2 1/2". TOP OF HMA OVERLAY SHALL BE TAKEN TO BOTTOM OF CONCRETE CHAMFER AS SHOWN AND SLOPED UNIFORMLY DOWN TO 1 1/2" THICKNESS AT EDGE OF MILLING AREA.

6554 C2.2 SHEET 8 OF 13	OCT TRENCH DRAINAGE				APPROVED: <i>[Signature]</i> 2-4-16	JUV 2/3/16 CHECKED BY: VHN 2/3/16	BERGER ABAM 33301 9th Avenue South, Suite 300 Federal Way, Washington 98003-2600 (206) 451-2300 Fax: (206) 451-2250
	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 2				DIR OF ENG DATE 2-4-16	VHN 2/3/16 PROJ. ENGR DATE	Port of Tacoma P.O. BOX 887 TACOMA, WA 98401 (206) 383-5841
	TOWNSHIP: 21N RANGE: 03E SECTION: 34	VERT: MLLW PARCEL: OCT	PRINTED BY: bollinger PORT ADDRESS: ONE SITCUM WAY TACOMA, WA 98421-2300	MARK: REVISION:	BY:	APPR:	DATE:
	THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION						

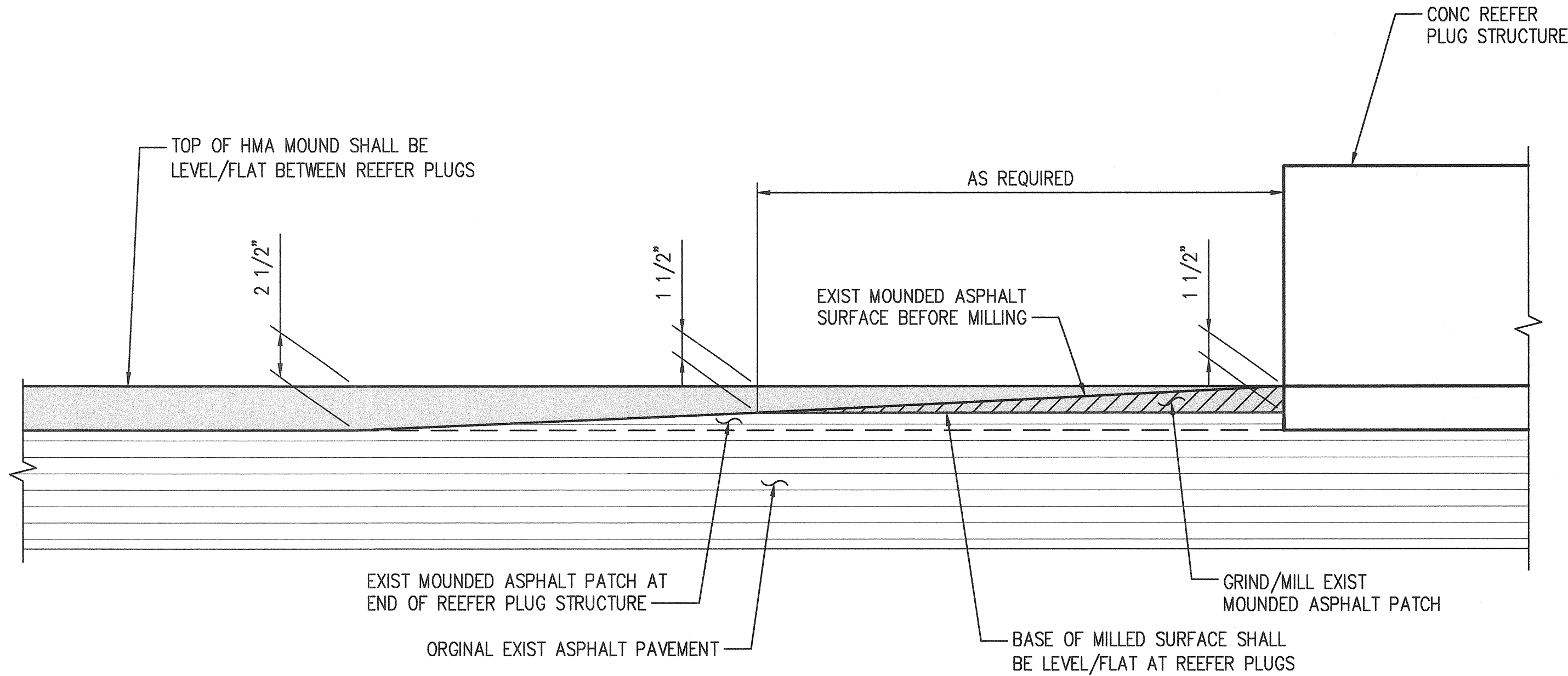
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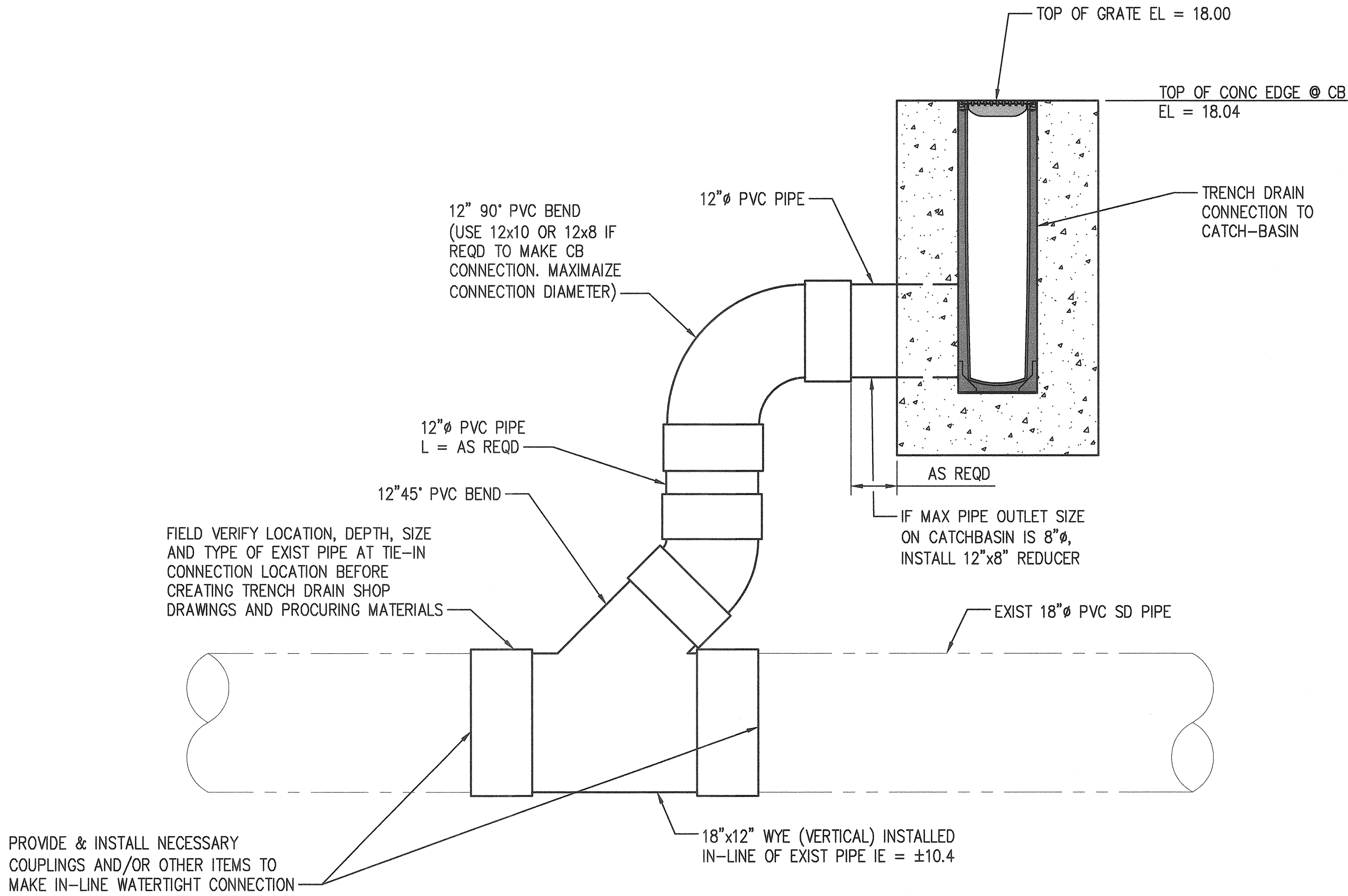
1
 DETAIL
 SCALE: NTS

NOTES FOR TRENCH DETAIL:

1. LOCATION OF SAW-CUTS (WIDTH OF EXIST PAVEMENT REMOVAL) FOR PIPE TRENCH ARE SHOWN ABOVE AND LOCATED TO PREVENT RAVELING OF EXISTING BASE COURSE AGGREGATE. IF RAVELING OF EXIST BASE COURSE DOES OCCUR UNDER PAVEMENT, CONTACTOR SHALL MAKE ANOTHER SAWCUT FURTHER BACK AT LOCATION DESIGNATED BY ENGINEER TO ACHIEVE A SUPPORTED EDGE OF PAVEMENT AT NO ADDITIONAL COST.
2. TRENCH WIDTH FOR 12" DIA PIPE SHALL BE 3'-4".
3. PIPE MARKER TAPE NOT SHOWN, BUT SHALL BE PLACED AS DIRECTED IN SPECIFICATIONS.
4. TRENCH SAFETY SYSTEMS (SHORING) SHALL BE USED AS APPLICABLE AND AS DESCRIBED BY SPECIFICATIONS TO MAINTAIN VERTICAL SIDES FOR TRENCH AND MINIMIZE AMOUNT OF EXCAVATION, BACKFILL, AND SURFACE REPAIR. LAYING BACK TRENCH EXCAVATION (FLATTER SIDE SLOPES) IN LIEU OF SHORING WILL NOT BE ALLOWED.
5. DEWATER TRENCH AS NECESSARY FOR DEEPER EXCAVATIONS.
6. TYPE OF BEDDING MATERIAL TO BE USED SHALL BE AS DESCRIBED IN SPECIFICATIONS FOR PIPE BEING INSTALLED.



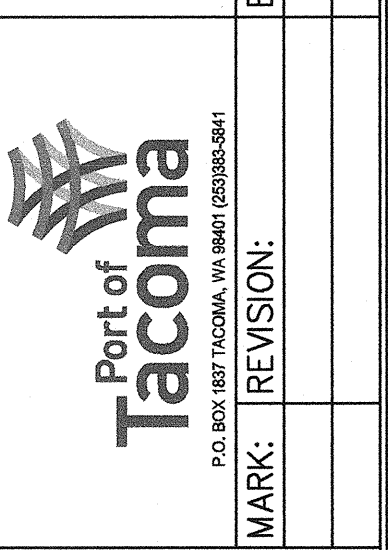
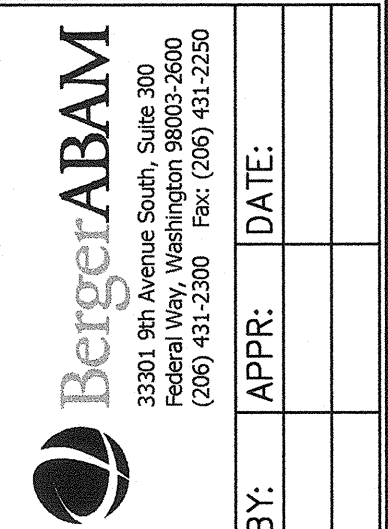
E
 C2.0
 SECTION - HMA MOUND AT END OF EXIST MOUND AREA
 SCALE: NTS



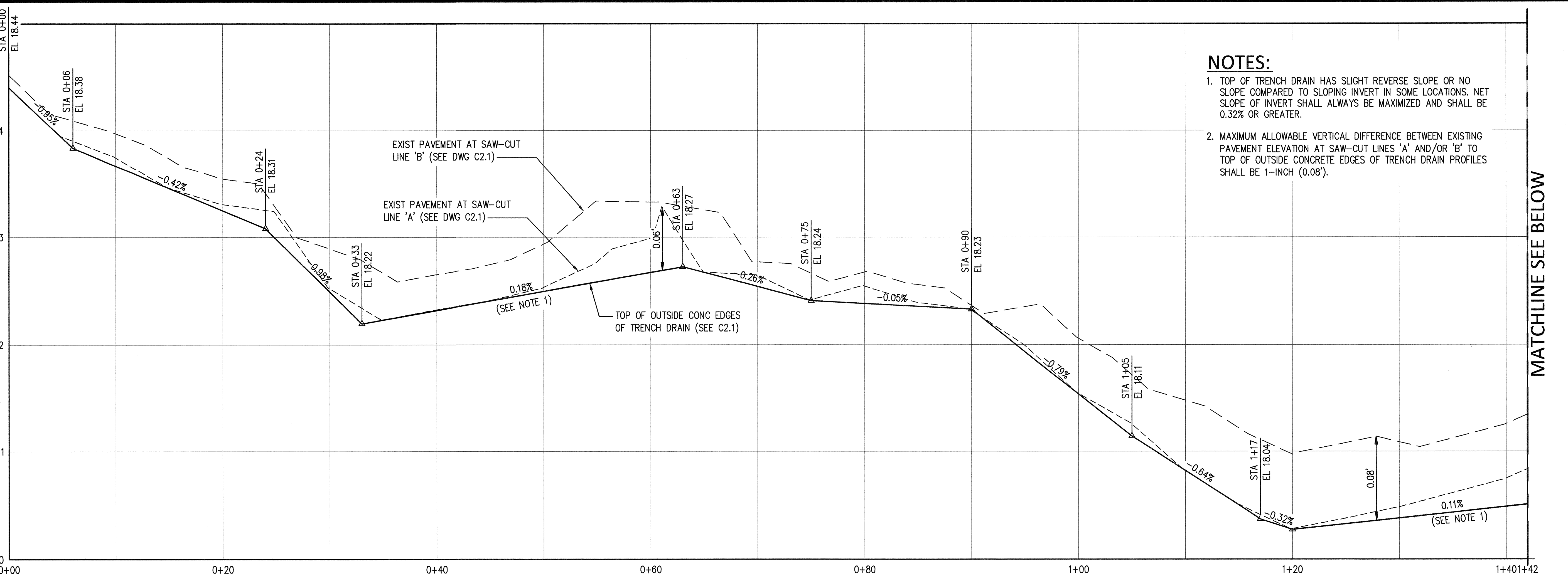
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 C2.0
 SECTION - PIPE CONNECTION
 SCALE: NTS

ISSUED FOR BID

6554 C2.3 SHEET 9 OF 13	OCT TRENCH DRAINAGE				JUV	2/3/16
	DRAINAGE AND PAVING SECTIONS & DETAILS - SHEET 3				CHECKED BY	DATE
	CONTRACT NO: 070154	TOWNSHIP: 21N	RANGE: 03E	SECTION: 34	VHN	2/3/16
	MASTER ID NO: 91573	DAT-HRZ: WA83-SF	VERT: MLW	PRINTED BY: bollinger	PROJ. ENGR	DATE
PHASE: ISSUED FOR BID		PARCEL: OCT	DRAWING SCALE: AS SHOWN		PORT ADDRESS: ONE SITCUM WAY	TACOMA, WA 98421-2300
				APPROVED: <i>[Signature]</i>		DATE: 2-4-16
				DIR OF ENG		DATE
				BY: bollinger		DATE
				MARK: REVISION:		DATE
				BY:		DATE
				APPR:		DATE
				DATE:		




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1. TOP OF TRENCH DRAIN HAS SLIGHT REVERSE SLOPE OR NO SLOPE COMPARED TO SLOPING INVERT IN SOME LOCATIONS. NET SLOPE OF INVERT SHALL ALWAYS BE MAXIMIZED AND SHALL BE 0.32% OR GREATER.
2. MAXIMUM ALLOWABLE VERTICAL DIFFERENCE BETWEEN EXISTING PAVEMENT ELEVATION AT SAW-CUT LINES 'A' AND/OR 'B' TO TOP OF OUTSIDE CONCRETE EDGES OF TRENCH DRAIN PROFILES SHALL BE 1-INCH (0.08').

MATCHLINE SEE BELOW

10" = 1'



A horizontal scale bar with alternating black and white segments. It is labeled '0' in the middle and '1' at the right end. Below the bar, the word 'scale' is on the left and 'inches' is on the right.

ISSUED FOR BID

SHEET 10 OF 13

PROFILE - TRENCH DRAIN

PROJ. ENGR DATE

DIR OF ENG DATE

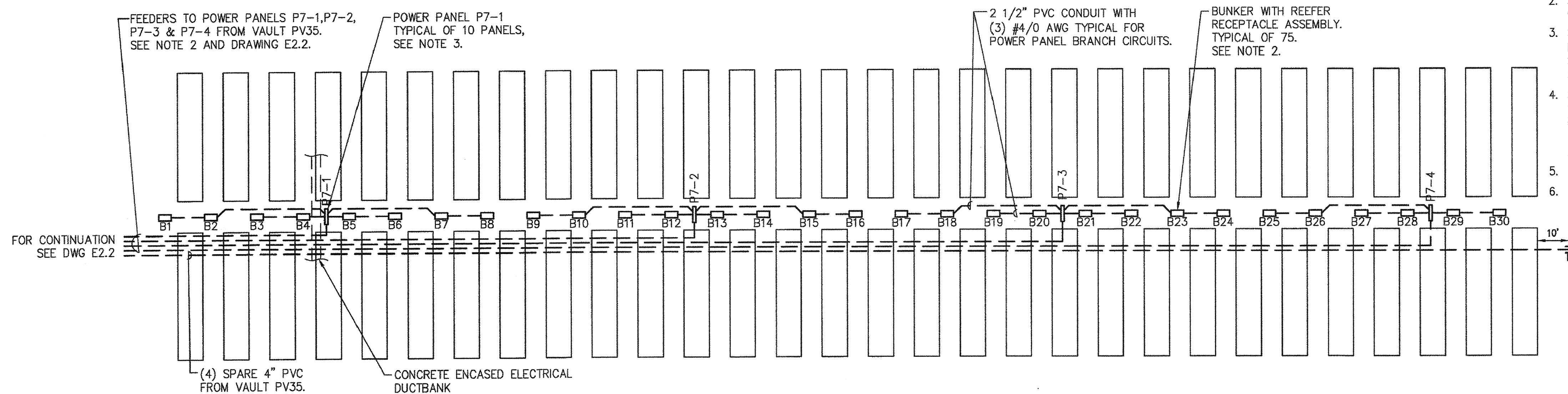
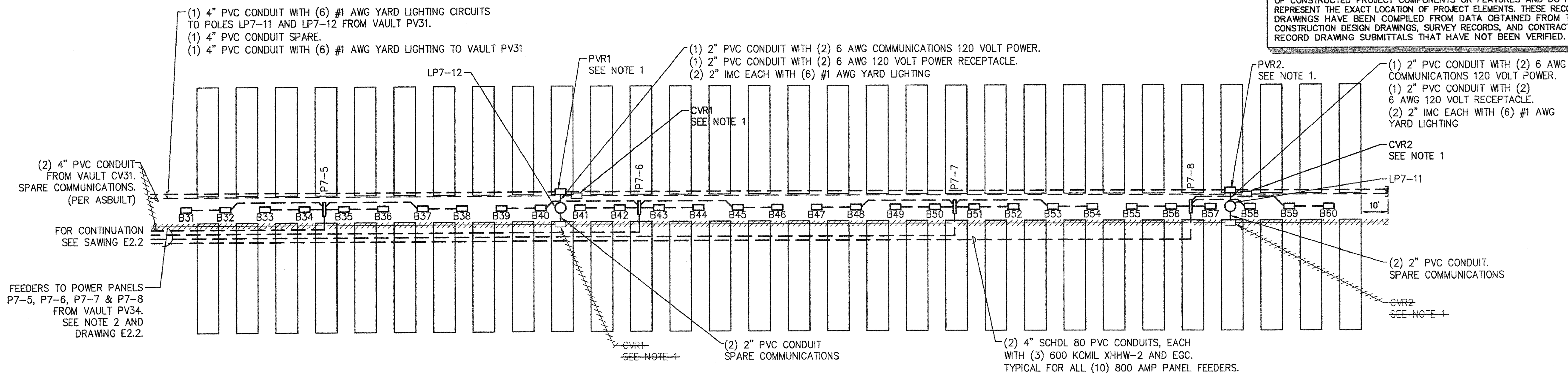
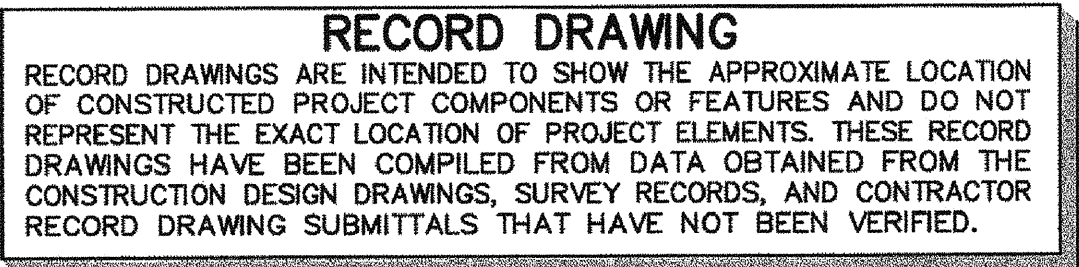
PROFILE - TRENCH DRAIN

33301 9th Avenue South, Suite 300
Federal Way, Washington 98003-2600

P.O. BOX 1837 TACOMA, WA 98401 (253)383-5841

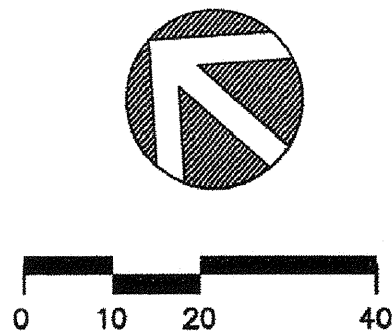
91-3716

CELL: UC1	DRAWING SCALE: AS SHOWN	TACOMA, WA 90421-2300	THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK DISCLOSED COPIED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION
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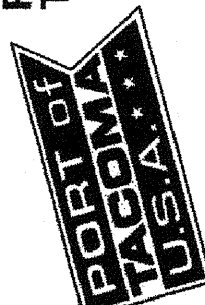
- NOTES**
1. PROVIDE TYPE 2 VAULT.
 2. SEE SPECIFICATIONS AND DRAWING E5.0 FOR CONCRETE BUNKERS AND RECEPTACLE ASSEMBLY.
 3. SEE SPECIFICATIONS FOR 800 AMP POWER PANELS P7-1 THRU P7-10. PROVIDE FOUR 8" DIAMETER STEEL BOLLARDS TO PROTECT EACH POWER PANEL. SEE CIVIL DRAWINGS FOR BOLLARD REQUIREMENTS.
 4. SUPPORT EACH 800 AMP POWER PANEL WITH STAINLESS STEEL C CHANNEL SET IN CONCRETE. PANEL STRUCTURAL SUPPORTS SHALL BE MINIMUM OF TWO 6"x 2"x 3/8" CHANNELS SET 3' DEEP IN MINIMUM 2" DIAMETER CONCRETE BASES.
 5. ALL PVC CONDUIT SHALL BE SCHEDULE 80.
 6. PROVIDE PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTORS.

- STUB OUT 10' AND
CAP WITH PLASTIC
CONDUIT CAP.



REFRIGERATION RECEPTACLES - DISTRIBUTION PLAN

PORT OF TACOMA P.O. BOX 1837
TACOMA, WA 98401 253-383-5841



**REFRIGERATION RECEPTACLES
DISTRIBUTION PLAN**

EP-6266-14
E3.0

DRAWING DATE: 02/09/05	MARK	REVISION	BY:	APPROVED:	DATE: 02/10/08
PORT ADDRESS: PO BOX 1837, TACOMA WA 98401	RECORD DRAWING				
PORT PARCEL: 227520063					

OWNERSHIP: 20N RANGE: 3E SECTION: 27 & 34
 DATUM: HORIZ: NAD 83/91 VERT: PORT OF TACOMA MLLW. TIDE 22=19.39
 DRAWING SCALE: 1" = 20'

6554

R2.0
SHEET 12 OF 13


CONT/CONS: 070154
 MASTER ID NO: 91573
 PHASE: ISSUED FOR BID

TRENCH DRAIN

REFERENCE DRAWING

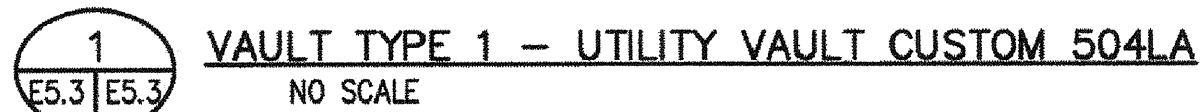
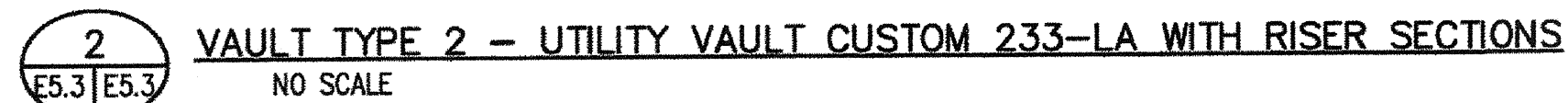
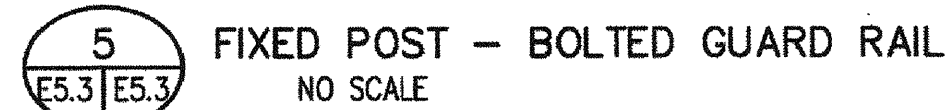
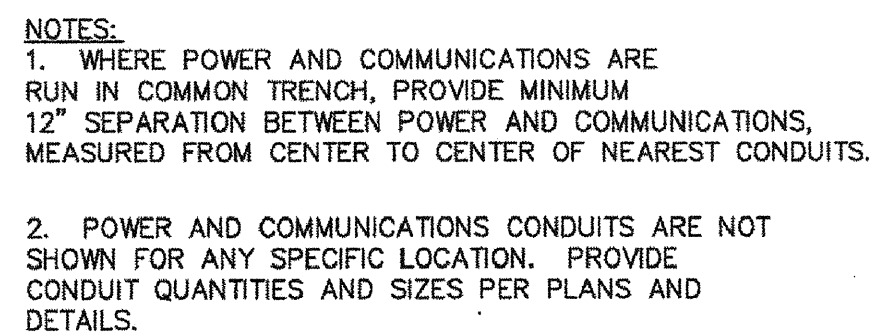
RANGE: 03E	SECTION: 34
VERT: MLLW	
DRAWING SCALE: AS SHOWN	

APPROVED: <i>Mike Howard</i>	CHECKED BY	DATE
<i>2-4-16</i>	PROJ. ENGR	DATE
PRINTED BY: bollinger		
PORT ADDRESS: ONE SITCUM WAY		
TACOMA, WA 98421-2300		

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ISSUED FOR BID



EP-6266-14

E5.3
SHEET 79 OF 80

ELECTRICAL DETAILS

6554

R3.0
SHEET 13 OF 13

CONT/CONS:	070154
MASTER ID NO:	91573
PHASE:	ISSUED FOR BID

OCT TRENCH DRAINAGE

REFERENCE DRAWING

TOWNSHIP: 21N	RANGE: 03E	SECTION: 34
DAT-HRZ: WA83-SF		
PARCEL: OCT		DRAWING SCALE: AS SHOWN

APPROVED:	<i>Wing Swaid</i>
	2-4-16
	DIR OF ENG DATE
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IA. WA 98421-2300	



Port of
Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (253) 383-3841

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