SEC. 36, TWP 21 N, R6E W.M.

ENUMCLAW RECYCLE

KING COUNTY WASHINGTON

COMMERCIAL SITE DEVELOPMENT PERMIT

KING COUNTY FILE GRDE17-0075

MAY 31, 2018

PROJECT TEAM

OWNER
BUCKLEY RECYCLE CENTER, INC
CONTACT: RON SHEAR
P.O BOX 1373
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

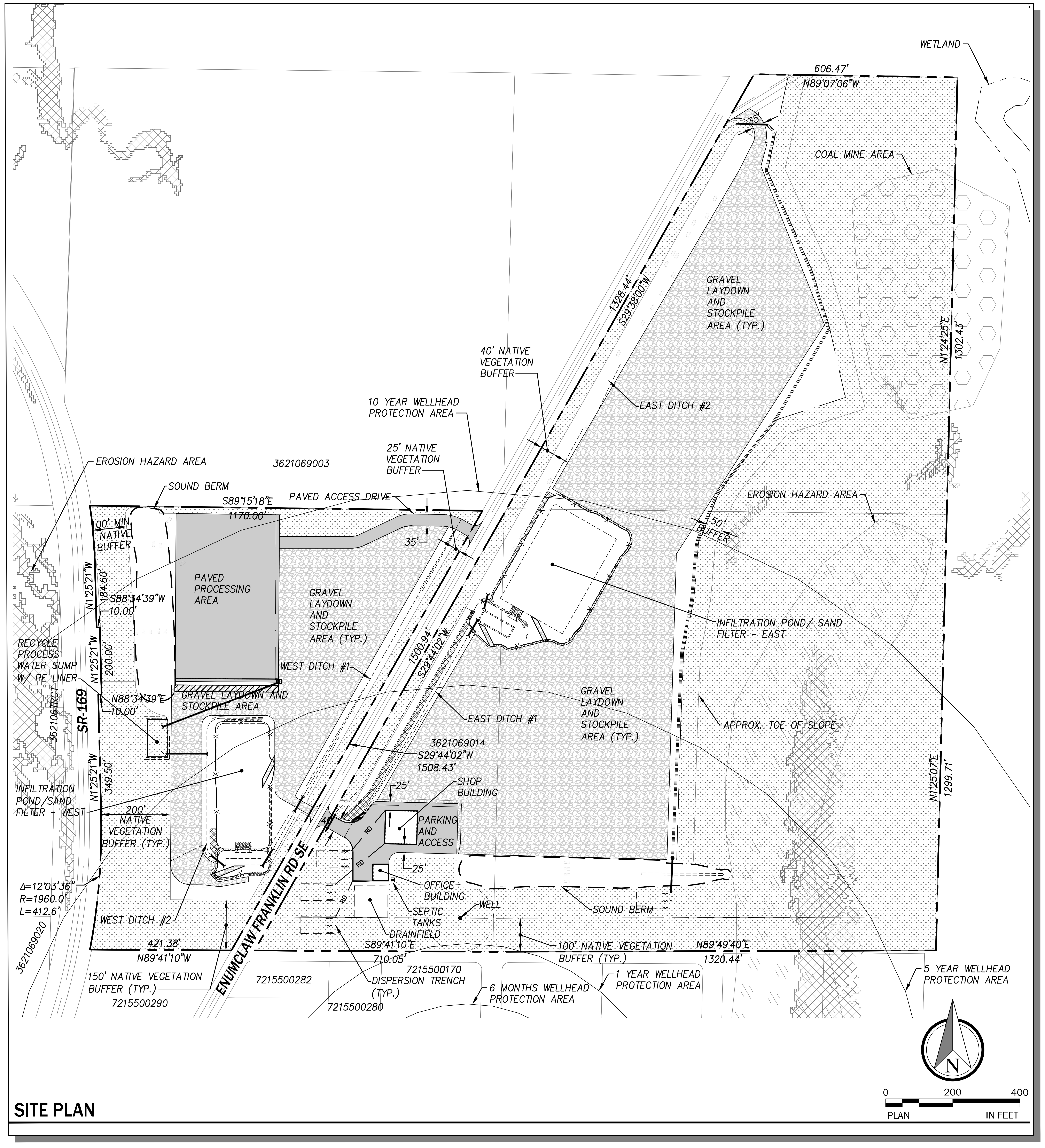
SURVEYOR
LEROY SURVEYORS & ENGINEERS, INC.
CONTACT: DENNIS RAY BAKER, PLS
P.O BOX 740
PUYALLUP, WA 98371
PHONE: (253) 848-6608
FAX: (253) 840-4140

TRAFFIC
HEATH & ASSOCIATES, INC
CONTACT: GREGARY HEATH, PE
2214 TACOMA RD
PUYALLUP, WA 98371
PHONE: (253) 770-1401

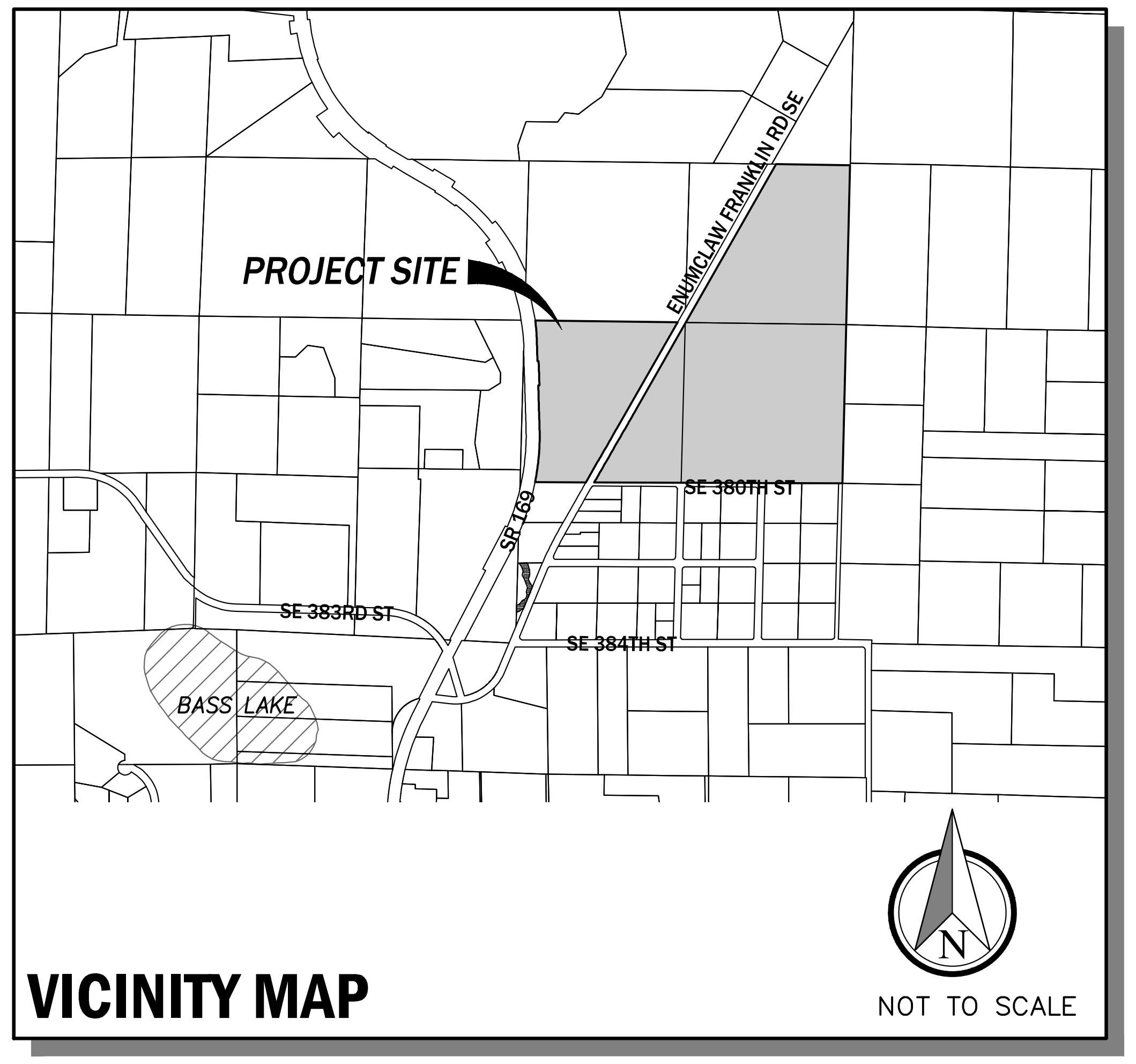
CIVIL ENGINEER
CPH CONSULTANTS
CONTACT: JAMIE SCHROEDER, PE
11431 WILLOWS RD NE, SUITE 120
REDMOND, WA 98052
PHONE: (425) 285-2390
FAX: (425) 285-2389

ENVIRONMENTAL CONSULTANT
SNR COMPANY
CONTACT: STEVEN F. NEUGEBAUER
15315 1ST AVE NE
DUVALL, WA 98019
PHONE: (425) 788-3015

GEOTECHNICAL ENGINEER
LEROY SURVEYORS & ENGINEERS, INC
CONTACT: REX B. HUMPHREY, L.E.G.
P.O BOX 740
PUYALLUP, WA 98371
PHONE: (253) 848-6608
FAX: (263) 840-4140



SITE PLAN



VICINITY MAP

DRAWING INDEX

SHEET	*DWG*	*DESCRIPTION*
1	C0.00	COVER SHEET
2	C0.01	KING COUNTY COVER SHEET
3	C0.02	LEGEND ABBREVIATION AND GENERAL NOTES
4	C0.03	KING COUNTY STANDARD PLAN NOTES
5	C0.10	EXISTING CONDITIONS
6	C0.15	RECORD OF SURVEY
7	C0.20	RECORD OF SURVEY
8	C1.00	TESC PLAN
9	C1.01	TESC PLAN
10	C1.100	TESC DETAILS
11	C1.101	TESC DETAILS
12	C2.00	SOURCE CONTROL BMP PLAN
13	C3.00	OVERALL GRADING AND DRAINAGE
14	C3.01	OVERALL GRADING AND DRAINAGE
15	C3.02	POND PLAN AND DETAILS
16	C3.100	GRADING AND DRAINAGE DETAILS
17	C3.101	GRADING AND DRAINAGE DETAILS
18	C3.102	ROAD SECTIONS
19	C3.103	DETAILS
20	C3.104	DETAILS
	L-01	LANDSCAPE SITE PLAN
	L-02	LANDSCAPE PRELIMINARY PLAN
	L-03	LANDSCAPE PRELIMINARY PLAN
	L-04	LANDSCAPE PRELIMINARY PLAN
	L-05	LANDSCAPE PRELIMINARY PLAN
	L-06	LANDSCAPE PRELIMINARY PLAN
	L-07	LANDSCAPE PRELIMINARY PLAN
	L-08	LANDSCAPE PRELIMINARY PLAN
	L-09	LANDSCAPE PRELIMINARY PLAN
	L-10	LANDSCAPE PRELIMINARY PLAN
	L-11	LANDSCAPE PRELIMINARY PLAN
	L-12	LANDSCAPE PRELIMINARY PLAN
	L-13	LANDSCAPE PRELIMINARY PLAN
	L-14	LANDSCAPE PRELIMINARY PLAN
	L-15	LANDSCAPE PRELIMINARY PLAN
	L-16	LANDSCAPE PLANT SCHEDULES
	L-17	LANDSCAPE NOTES AND DETAILS

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

811
Know what's **below.**
Call before you dig.

CP|H
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C0.00.dwg
5/31/2018 12:11 PM PETER EVANS

DRAWING INDEX

SHEET	DWG	DESCRIPTION
1	C0.00	COVER SHEET
2	C0.01	KING COUNTY COVER SHEET
3	C0.02	LEGEND ABBREVIATION AND GENERAL NOTES
4	C0.03	KING COUNTY STANDARD PLAN NOTES
5	C0.10	EXISTING CONDITIONS
6	C0.15	RECORD OF SURVEY
7	C0.20	RECORD OF SURVEY
8	C1.00	TESC PLAN
9	C1.01	TESC PLAN
10	C1.100	TESC DETAILS
11	C1.101	TESC DETAILS
12	C2.00	SOURCE CONTROL BMP PLAN
13	C3.00	OVERALL GRADING AND DRAINAGE
14	C3.01	OVERALL GRADING AND DRAINAGE
15	C3.02	POND PLAN AND DETAILS
16	C3.100	GRADING AND DRAINAGE DETAILS
17	C3.101	GRADING AND DRAINAGE DETAILS
18	C3.102	ROAD SECTIONS
19	C3.103	DETAILS
20	C3.104	DETAILS
	L-01	LANDSCAPE SITE PLAN
	L-02	LANDSCAPE PRELIMINARY PLAN
	L-03	LANDSCAPE PRELIMINARY PLAN
	L-04	LANDSCAPE PRELIMINARY PLAN
	L-05	LANDSCAPE PRELIMINARY PLAN
	L-06	LANDSCAPE PRELIMINARY PLAN
	L-07	LANDSCAPE PRELIMINARY PLAN
	L-08	LANDSCAPE PRELIMINARY PLAN
	L-09	LANDSCAPE PRELIMINARY PLAN
	L-10	LANDSCAPE PRELIMINARY PLAN
	L-11	LANDSCAPE PRELIMINARY PLAN
	L-12	LANDSCAPE PRELIMINARY PLAN
	L-13	LANDSCAPE PRELIMINARY PLAN
	L-14	LANDSCAPE PRELIMINARY PLAN
	L-15	LANDSCAPE PRELIMINARY PLAN
	L-16	LANDSCAPE PLANT SCHEDULES
	L-17	LANDSCAPE NOTES AND DETAILS

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

SURVEY DATA

EXISTING BOUNDARY, TOPOGRAPHIC, AND PLANIMETRIC INFORMATION SHOWN ON THIS PLAN AND OTHERS IN THIS SET WERE USED AS A BASIS FOR DESIGN AND REPRESENT FIELD SURVEY DATA AND MAPPING PREPARED BY AXIS SURVEY AND MAPPING (LEROY SURVEYORS & ENGINEERS JOB NO. 11-036), AS PROVIDED BY THE PROJECT OWNER, AND DOES NOT REPRESENT WORK BY CPH CONSULTANTS. THE FOLLOWING SURVEY DATA WAS PROVIDED WITH THE TOPOGRAPHIC MAP BY AXIS SURVEY AND MAPPING :

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF ENUMCLAW, IN THE COUNTY OF KING, STATE OF WASHINGTON, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, W.M., IN KING COUNTY, WASHINGTON;

EXCEPT COUNTY ROAD;

EXCEPT THAT PORTION FOR STATE HIGHWAY 35 (ALSO KNOWN AS STATE ROUTE 169).

PARCEL B:

LOT B OF KING COUNTY EXEMPT SEGREGATION NO. L11M0029, RECORDED UNDER RECORDING NUMBER 20111213900009, RECORDS OF KING COUNTY, WASHINGTON.

PARCEL C:

THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, W.M., IN KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

THE PRECEDING DESCRIPTIONS ARE PER FIDELITY NATIONAL INSURANCE COMPANY'S OWNER'S POLICY OF TITLE INSURANCE NO.: WA-FBCM-IMP-27306-1-16-20372794, ORDER NO.: 20372794-410-KA6-MAW, DATED JUNE 27, 2016.

SURVERYORS NOTES

1. *HORIZONTAL DATUM: WASHINGTON COORDINATE SYSTEM OF 1983, WITH 2011 CORRECTION, NORTH ZONE.*
2. *THE METHOD OF DERIVING THE HORIZONTAL DATUM WAS BY GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) UTILIZING REAL-TIME CORRECTIONS FROM THE WASHINGTON STATE REFERENCE NETWORK (RTN), WHICH IS BASED ON THE NATIONAL GEODETIC SURVEY NAD 83-2011, EPOCH 2010.00 REFERENCE NETWORK, GEOID 12A MODEL, UTILIZING A TOPCON HYPER V DUAL-FREQUENCY GNSS RECEIVER.*
3. *THE METHOD OF MARKER AND FEATURE LOCATION WAS BY GNSS RTN AND CONVENTIONAL FIELD TRAVERSE SURVEY PROCEDURES, UTILIZING A TRIMBLE S6 ROBOTIC TOTAL STATION.*
4. *THE FIELDWORK FOR THIS SURVEY WAS CONDUCTED IN DECEMBER, 2016 AND JANUARY, 2017. THE DEED MARKERS WERE ESTABLISHED JANUARY 19, 2017.*
5. *THIS SURVEY WAS PERFORMED TO ESTABLISH MARKERS AT THE CORNERS AND ALONG THE NORTH AND SOUTH LINES OF PARCEL A, LYING NORTHWESTERLY OF ENUMCLAW - FRANKLIN ROAD SE. THE BOUNDARY LINES WERE NOT TRAVERSED, EXCEPT FOR SAID NORTH AND SOUTH LINES.*
6. *THIS SURVEY DOES NOT SHOW ALL EASEMENTS, RESTRICTIONS AND/OR RESERVATIONS WHICH MAY AFFECT THESE PROPERTIES. LS&E ASSUMES NO RESPONSIBILITY FOR ANY ENCUMBRANCES OTHER THAN THOSE SHOWN.*
7. *THE 6 FEET HIGH CHAIN-LINK FENCE ALONG THE SOUTH LINE MAY HAVE PRIOR RIGHTS. DO NOT REMOVE IT WITHOUT THE NEIGHBOR'S AGREEMENT OR LEGAL COUNSEL.*
8. *THE 6 FEET HIGH CHAIN-LINK FENCE ENCROACHMENT SHOWN BY THIS SURVEY MAY BE AN INDICATION OF UNWRITTEN RIGHTS BY EITHER A PEACEFUL SETTLEMENT OR HOSTILE RELATIONS. NO ATTEMPT WAS MADE TO VERIFY IF AN UNWRITTEN RIGHT HAS EXTINGUISHED ANY PORTION OF THE WRITTEN TITLE SHOWN BY THIS SURVEY. ANY CLAIMANT SHOULD SEEK THE CONSULTATION OF AN ATTORNEY CONCERNING THE BURDEN OF PROOF REQUIRED TO PERFECT AN UNWRITTEN RIGHT AND OBTAIN A WRITTEN TITLE.*
9. *THIS SURVEY MEETS OR EXCEEDS THE STANDARDS AND GUIDELINES SET FORTH IN THE "SURVEY RECORDING ACT" CHAPTER 58.09 RCW. THE FINAL RESULTS MEETS OR EXCEEDS THE STANDARDS CONTAINED IN WAC 332-130-090.*

PROJECT INFORMATION

GENERAL

PARCEL NOS:	3621069004, 3621069013, 3621069014
SITE LOCATION:	ENUMCLAW FRANKLIN RD SE, ENUMCLAW, WA 98022
ZONING:	RA-5
COMPREHENSIVE PLAN:	RA

SITE DEVELOPMENT

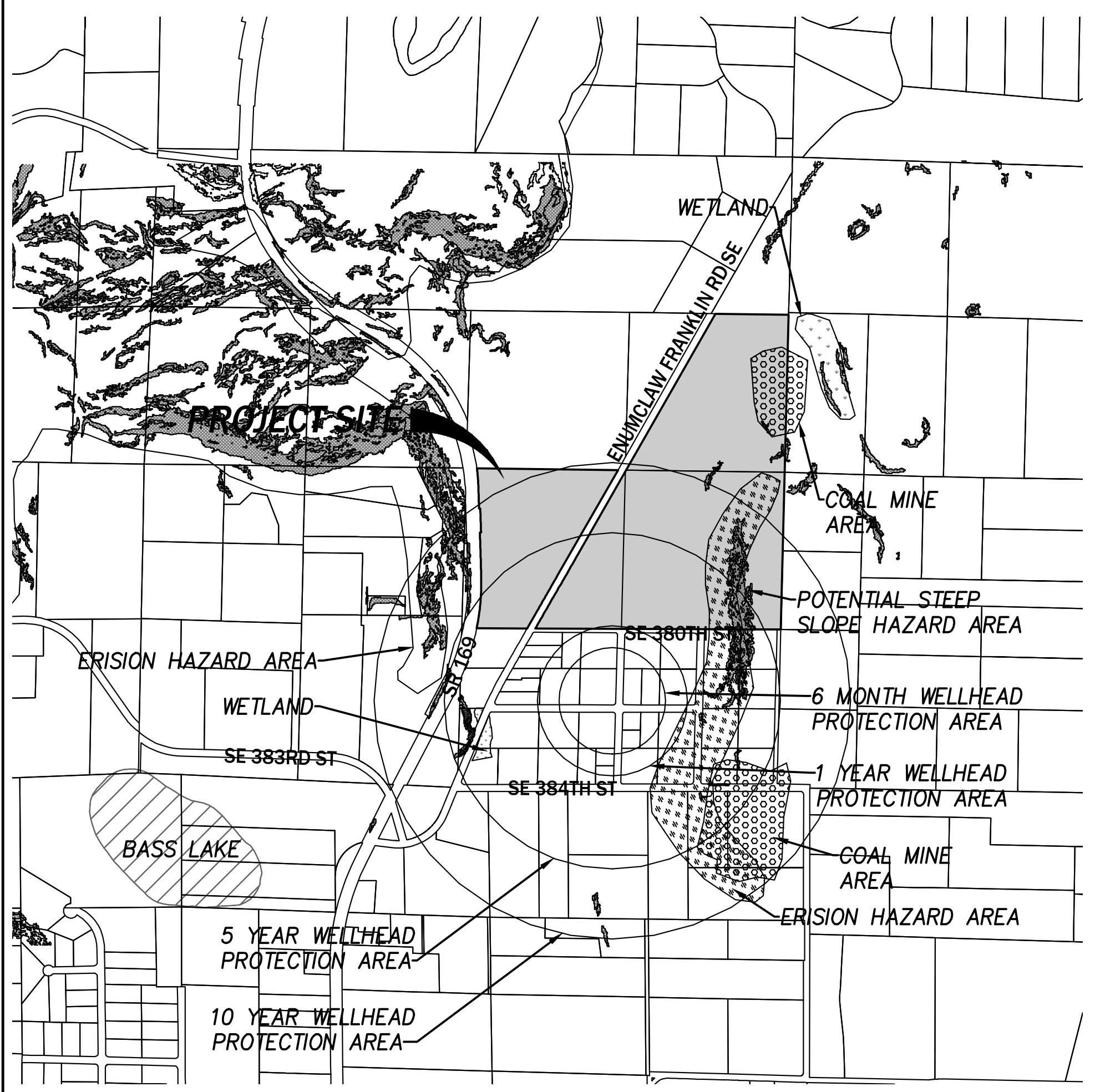
TOTAL SITE AREA:	4,480,439 SF (102.86 ACRES)
PROPOSED USE:	COMMERCIAL
ALLOWABLE IMPERVIOUS AREA:	40%
TOTAL IMPERVIOUS SURFACE:	1,804,280 SF (41.41 ACRES)
NEW IMPERVIOUS SURFACE:	1,804,280 SF (41.41 ACRES)
REPLACED IMPERVIOUS SURFACE:	N/A
IMPERVIOUS COVERAGE:	41.41/102.86 = 40%
CLEARED AREA:	2,087,488 SF (47.92 ACRES)

SETBACKS

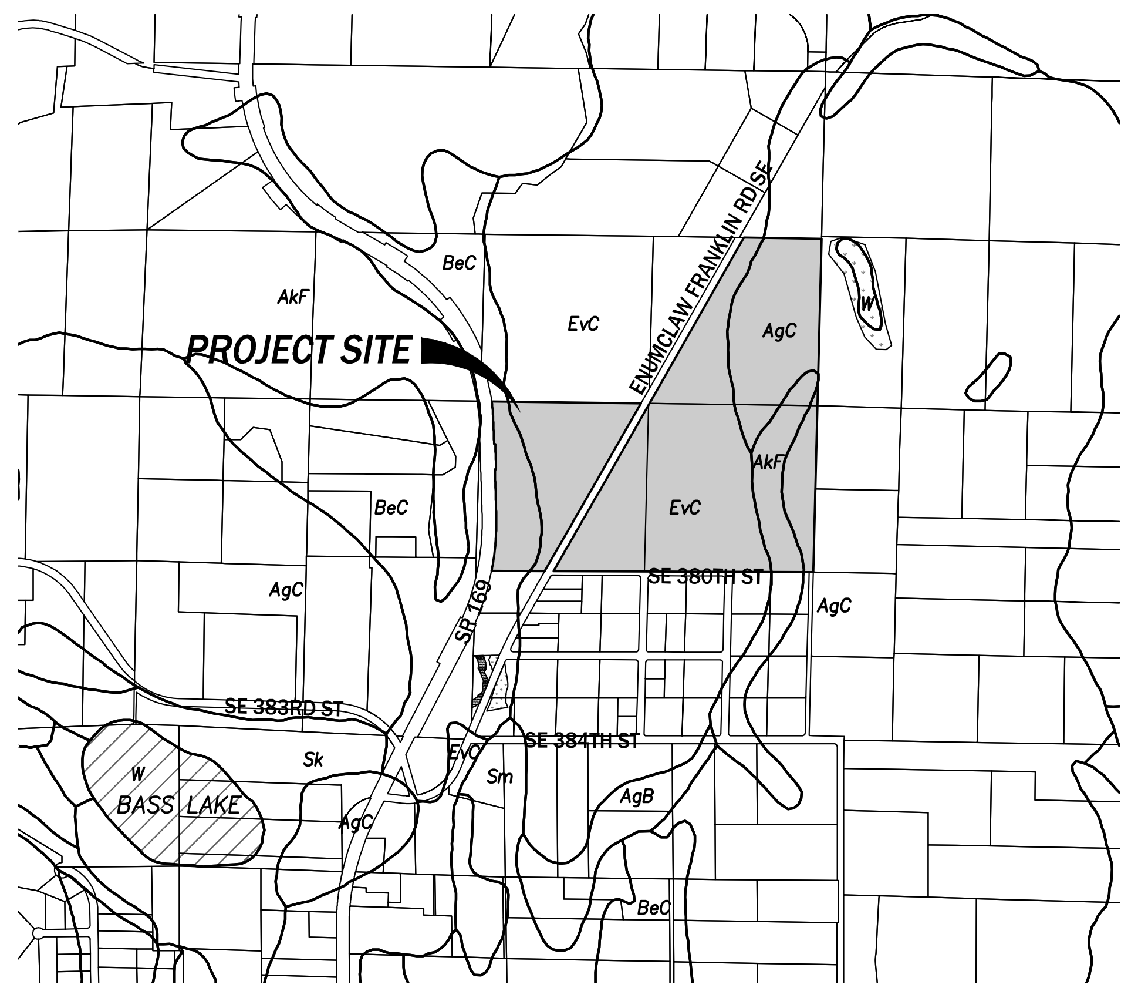
STREET:	30'
PROPERTY LINE:	30'
MAX BUILDING HEIGHT:	40'

Know what's below. Call before you dig.

Vicinity Map — Not To Scale



Soils Map — Not To Scale



Notice Required

Contractors shall notify operators who maintain underground utility lines in the area of proposed excavation or blasting at least two business days, but not more than ten working days prior to commencement of excavation or demolition in accordance with RCW Title 19. Names and telephone numbers of the operators of underground utility lines in this project appear below. These numbers shall also be used to serve in an emergency conditions as required.

	Phone
N/A Sanitary Sewer	*N/A*
N/A Water District	*N/A*
N/A Gas Company	*N/A*
PUGET SOUND ENERGY Power Company	*(800) 321-4321*

Call Before You Dig DIAL–A–DIG 1–800–424–5555

Notes

1. The Developer is required to notify the Land Use Services Division, Land Use Inspection Section (206) 296–6642, three days prior to the beginning of construction for a preconstruction conference and specifically request inspection before beginning:
   - A. Installing siltation and erosion control measures
   - B. Clearing and grubbing
   - C. Earthwork
   - D. Installation of any underground utility
   - E. Before placing subbase, base or paving surfaces
   - F. Installation of any forms or placing any concrete
2. A permit must be obtained from the office of the Resident Engineer, Washington State Department of Transportation, before any construction is started on any existing state route.
3. A Hydraulic Project Approval (HPA) Permit must be obtained from the Washington State Department of Fisheries prior to any work when required.

Bonding Information

Restoration Bond Amount $ ____________

Performance Bond Amount $ ____________

Site Plan Approval

Approval of these plans is for construction of road and drainage improvements, site drainage & grading and temporary erosion control in unincorporated King County only. These plans do not authorize any other utility approval or improvements proposed in any State right of way.

Site plan approval is void if the commercial building permit has not been obtained or renewed within two years of approval.

Subdivision plan approval is void if the final plat is not recorded prior to the preliminary plat approval expiration.

PRO RATA SHARE ASSESSMENT ANALYSIS
(County Use Only)

Section	Township	Range	Tax Parcel	Number

Site Location is within the ________________ drainage shed(s)

Pro Rata Share Assessment(s) are: ☐ Required ☐ Not Required

from the site due to development for increased storm water runoff.

Peak Runoff Assessment Rate($) per c.f.s. increases.(10 year, 2 hour storm)

Peak Volume Assessment Rate($) per Ac. Ft. increases.(2 year, 2 hour storm)

AGREEMENTS, PLAN REFERENCES, PERMITS ETC.
(To be completed by Consultant)

Preliminary Plat Approval/Permit Issued Date: ____________

Expiration Date: ____________

Other Related Permit Numbers Received:

Right–of–Way Use Permit ____________

Grading ____________

Building/Structural ____________

Other ____________ ____________

Board feet of tree removal on site: *N/A*

Cubic yards of material hauled on/off the site: *N/A*

Is this a highly sensitive area site? (Yes/No): *NO*

Note: If "yes", per SWDM Appendix D44 a Highly Sensitive Site Erosion Control Supervisor is required. See ESC plan.

Emergency
911
Police–Fire–Rescue

RECOMMENDED FOR APPROVAL
(To be completed by King County)

Date ____________

____________ Review Engineer

____________ Senior Engineer

____________ Traffic & Planning Engineer

____________ Sensitive Areas

____________ Structural Review Engineer

____________ Other

King County

APPROVED FOR CONSTRUCTION
DEPARTMENT OF PERMITTING & ENVIRONMENTAL REVIEW

Date ____________ Scott Smith, P.E.
Development Engineer

PROJECT CONTACT INFORMATION
(To be completed by Consultant)

Applicant: ☐ Contract ☒ Owner ☐ Lease

BUCKLEY RECYCLE COMPANY, INC. — Name
(253) 223-8586 — Phone
P.O BOX 1372, ENUMCLAW, WA 98022 — Address and Zip Code
☐ A Partnership
☐ An Individual

Ownership: ☒ Owner ☐ Trustee

Name ____________ Phone ____________
Address and Zip Code ____________
☐ A Corporation
☒ A Partnership
☐ An Individual

Certified: ☐ Surveyor or ☒ Engineer

CPH CONSULTANTS, LLC — Name
(425) 285-2390 — Phone
11431 WILLOWS ROAD NE, SUITE 120, REDMOND, WA 98052 — Address and Zip Code

11431 Willows Road NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390
FAX: (425) 285-2389
www.cphconsultants.com

CP|H
CONSULTANTS

JAMIE SCHROEDER, PE
Project Coordinator

(425) 285-2390
Phone

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT

KING COUNTY COVER SHEET

KING COUNTY

WASHINGTON

DPER FILE NUMBERS:
Activity Number: *GRDE17-0075*
Project Number: *0164-17-001*
Development No: ____________

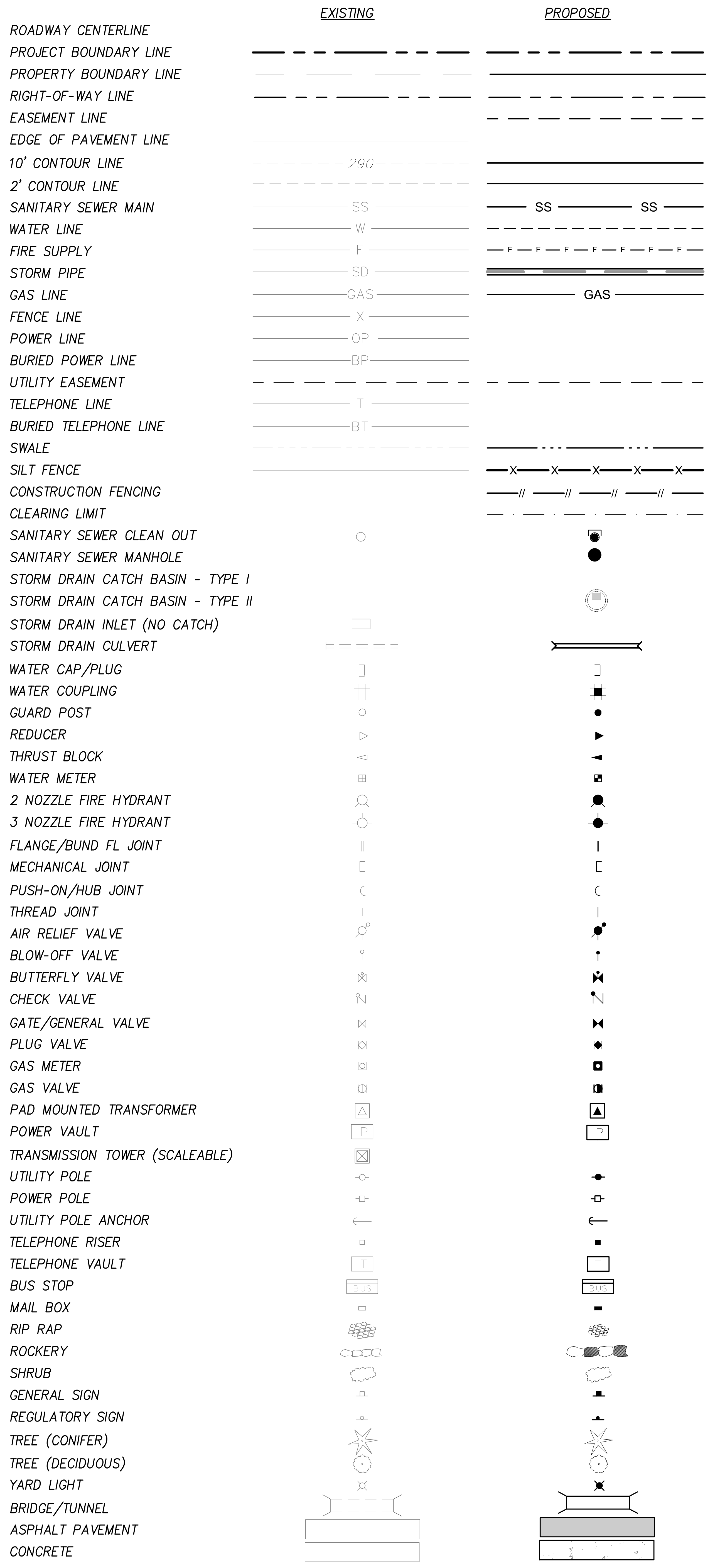
JAMIE B SCHROEDER
37610
5-31-18

C0.01
Sheet 2 of 20

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.

LEGEND



ABBREVIATIONS

AC	ASPHALT CONCRETE PAVEMENT	LCPE	LINED CORRUGATED POLYETHYLENE PIPE
AP	ANGLE POINT	LF	LINEAL FEET
ATB	ASPHALT TREATED BASE	LT	LEFT
AVE	AVENUE	LUI	LAND USE INSPECTOR
BCR	BEGIN CURB RETURN	MAX.	MAXIMUM
BOC	BACK OF CURB	MFR.	MANUFACTURER
BOW	BOTTOM OF WALL	MH	MANHOLE
℄	CENTERLINE	MIN.	MINIMUM
CB	CATCH BASIN	MJ	MECHANICAL JOINT
CDF	CONTROLLED DENSITY FILL	N	NORTH
CMP	CORRUGATED METAL PIPE	NIC	NOT IN CONTRACT
CONC.	CONCRETE	O.A.	ON CENTER
CONN.	CONNECTION	PC	POINT OF CURVATURE
CONT.	CONTINUOUS	PE	PLAIN END
COR	CITY OF REDMOND	PI	POINT OF INTERSECTION
CPP	CORRUGATED POLYETHYLENE PIPE	PL	PLACE
	(W/SMOOTH INTERIOR WALLS)	PT	POINT OF TANGENCY
CSBC	CRUSHED SURFACING BASE COURSE	PVI	POINT OF VERTICAL INTERSECTION
CSTC	CRUSHED SURFACING TOP COURSE	PUE	PUBLIC UTILITY EASEMENT
DIAM.	DIAMETER	REQ'D.	REQUIRED
DI	DUCTILE IRON	ROW	RIGHT-OF-WAY
DW	DRIVEWAY	RT	RIGHT
E	EAST	S	SOUTH
ECR	END CURB RETURN	SD	STORM DRAIN
ELEV.	ELEVATION	SP	SPACE
EOP	EDGE OF PAVEMENT	SS	SANITARY SEWER
ESC	EROSION AND SEDIMENT CONTROL	SSD	STOPPING SIGHT DISTANCE
ESD	ENTERING SIGHT DISTANCE	STA	STATION
ESMT.	EASEMENT	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
EVA	EMERGENCY VEHICLE ACCESS	TOC	TOP OF CURB
EXIST.	EXISTING	TYP.	TYPICAL
FL	FLOW LINE	TBW	TOP BACK OF WALK
FL.	FLANGE	TOW	TOP OF WALL
FOC	FACE OF CURB	UNO	UNLESS NOTED OTHERWISE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
IE	INVERT ELEVATION	WSDOT	WASHINGTON DEPT. OF TRANSPORTATION
INT.	INTERSECTION	W/	WITH
INV.	INVERT	W	WEST
KC	KING COUNTY	WS	WATER SERVICE
KCRS	KING COUNTY ROAD STANDARDS		

CONSTRUCTION MATERIALS

MATERIAL	WSDOT SPEC (UNLESS OTHERWISE NOTED)
CRUSHED SURFACING TOP COURSE	9-03.9(3)
CRUSHED SURFACING BASE COURSE	9-03.9(3)
ASPHALT TREATED BASE (ATB)	9-03.6
PIPE ZONE BEDDING	9-03.12(3)
WASHED DRAIN ROCK	9-03.12(4)
CLEAN SAND	9-03.13
QUARRY SPALLS	9-13.6
ASPHALT CEMENT CONCRETE	9-02.1 & 9-03.8
NATIVE FILL MATERIAL AND STRUCTURAL BORROW	9-03.14(3)
IMPORTED STRUCTURAL FILL MATERIAL	9-03.14(3)
IMPORTED SELECT FILL MATERIAL	9-03.14(1)
GEOTEXTILE OR GEOTEX FABRIC	9-33.2, TABLE 3 (MIRAFI 600X OR EQUAL)
GEO-FABRIC SILT FENCE	9-33.2, TABLE 6 (MIRAFI 100X OR EQUAL)
NON-WOVEN GEOTEXTILE OR GEOTEX FABRIC	9-33.2, TABLE 1 & 2 (MIRAFI 140N OR EQUAL)
UNSUITABLE EXCAVATION	2-03.3(14)E,F
GRAVEL BORROW	9-03.14(1) REVISED FOR 5% MAX. PASSING A US NO. 200 SIEVE
RIP RAP (HEAVY)	9-13.1(1)
RIP RAP (LIGHT)	9-13.1(2)
RIP RAP (HAND PLACED)	9-13.2
LINED CORRUGATED POLYETHYLENE PIPE (LCPE)	9-05.1(7)
PORTLAND CEMENT CONCRETE	6.02.3(2)B
DUCTILE IRON PIPE	9-05.13
CONCRETE PIPE	9-05.7
CORRUGATED METAL PIPE (CMP)	9-05.1(2)
PVC PIPE	9-05.12
BLACK VINYL COATED CHAIN LINK FENCE	9.16.1 WSDOT STANDARD PLAN L-2 TYPE 1 OR TYPE 3 WITH VINYL COATING

GENERAL PROJECT NOTES

1. ALL WORKMANSHIP, METHODS AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PRODUCED BY WSDOT AND THE WASHINGTON STATE CHAPTER OF THE APWA, 2016 AND KING COUNTY ROAD STANDARDS, AND ALL AMENDMENTS TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS PROVIDED BY THESE PLANS OR OTHER CONTRACT DOCUMENTS FOR THE PROJECT.

2. EXISTING UTILITIES ARE SHOWN IN THESE PLANS PER THE LATEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND RELATED SURFACE FEATURES WITHIN THE PROJECT AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE PLAN INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL, AT MINIMUM, CONTACT THE UNDERGROUND UTILITIES LOCATE CENTER (1-800-424-5555) TO HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO CONSTRUCTION.

3. THE EROSION AND SEDIMENTATION CONTROL (ESC) MEASURES SHOWN IN THESE PLANS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL PROVIDE ANY REASONABLE ADDITIONAL MEASURES AS MAY BE REQUIRED TO FACILITATE ACTUAL SITE RUNOFF CONDITIONS AT THE TIME OF CONSTRUCTION. ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN-PLACE PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.

4. ALL NEW PAVEMENT, SIDEWALKS, AND CURB AND GUTTER INSTALLED BY THIS PROJECT SHALL BEAR ON SUITABLE, COMPACT FOUNDATION SOILS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND PROJECT CONTRACT DOCUMENTS. SIMILAR EXISTING FACILITIES TO REMAIN, WHICH ARE DISTURBED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED IN-KIND TO THE SAME STANDARDS OF NEW FACILITIES.

5. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE WSDOT STANDARD PLANS AND SPECIFICATIONS AS AMENDED OR SUPPLEMENTED BY THE PLANS, DETAILS, AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS. ALL STREET SIGNS SHALL BE INSTALLED BY KING COUNTY.

6. ALL EXISTING ON-SITE WELLS OR SEPTIC TANKS SHALL BE PROPERLY ABANDONED BY A LICENSED CONTRACTOR, CERTIFIED TO PERFORM SUCH WORK, AND WRITTEN VERIFICATION OF ABANDONMENT SHALL BE PROVIDED TO THE OWNER, WASHINGTON STATE DEPARTMENT OF ECOLOGY, AND KING COUNTY HEALTH DEPARTMENT.

7. AT LEAST TWO COPIES OF THESE PLANS SHALL BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR SHALL ALSO HAVE COPIES OF THE APPLICABLE REGULATORY AGENCY STANDARDS AVAILABLE AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS. ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION ACTIVITY. ONE COMPLETE SET OF PROJECT PLANS WITH RECORDS OF AS-BUILT INFORMATION SHALL BE PROVIDED TO THE PROJECT ENGINEER AT THE END OF THE PROJECT.

8. THE CONTRACTOR SHALL COORDINATE ACTIVITIES OF ALL UTILITY PURVEYORS IMPACTED BY WORK FOR THIS PROJECT AND SHALL CONTACT THEM PRIOR TO CONSTRUCTION TO SCHEDULE WORK FOR PROVISIONS FOR AND BE RESPONSIBLE TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT AND KEEP IN SERVICE ALL EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS DURING CONSTRUCTION.

9. UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO COMPLETE THE PROPOSED WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES. CUTTING AND PLUGGING OF LINES TO BE ABANDONED SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK PERFORMED.

10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB AND PAVING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY PROVISION OF THE SOIL REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRES FURTHER CLARIFICATION.

11. THE CONTRACTOR OR OWNER SHALL OBTAIN THE SERVICES OF A QUALIFIED SOILS ENGINEER AND/OR TESTING AGENCY TO PERFORM SUBGRADE/BACKFILL DENSITY TESTS OR TO DIRECT THE REMOVAL AND REPLACEMENT OF ANY UNSUITABLE MATERIALS DURING CONSTRUCTION. A REPRESENTATIVE OF THE SOILS ENGINEER AND/OR TESTING AGENCY SHALL BE AVAILABLE TO OBSERVE AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS AS REQUIRED TO CERTIFY THE METHODS AND MATERIALS ARE IN ACCORDANCE WITH PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE APPROPRIATE SOILS INSPECTIONS AND TESTING.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL DURING CONSTRUCTION ADJACENT TO OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION.

13. NO CONSTRUCTION OR SITE DISTURBANCE FOR THIS PROJECT MAY BEGIN BEFORE THE APPLICANT FIRST OBTAINS A CONSTRUCTION STORMWATER GENERAL PERMIT FROM THE WASHINGTON STATE DEPARTMENT OF ECOLOGY (DOE).

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
LEGEND ABBREVIATION AND GENERAL NOTES
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C0.02

SHEET 3 OF 20

811
Know what's below.
Call before you dig.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C0.02.dwg
5/31/2018 12:12 PM PETER EVANS

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.

STANDARD PLAN NOTES

1. GENERAL NOTES

(1) ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), THE KING COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS (KCRDCS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.

(2) THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF PERMITTING AND ENVIRONMENTAL REVIEW (DPER) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DPER PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR TO CONSTRUCTION.

(3) APPROVAL OF THIS ROAD, GRADING, PARKING AND DRAINAGE PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)

(4) BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DPER'S DEVELOPMENT INSPECTOR, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.

(5) A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

(6) GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.

(7) IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK. EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

(8) FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KCRDCS CHAPTER 8 ARE SUBMITTED TO THE DPER'S DEVELOPMENT INSPECTOR THREE DAYS PRIOR TO CONSTRUCTION.

(9) DATUM SHALL BE NAVD88 UNLESS OTHERWISE APPROVED BY DPER.

(10) DEWATERING SYSTEM (UNDERDRAIN) CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNEATH THE ROADWAY SECTION. ALL UNDERDRAIN SYSTEMS MUST BE CONSTRUCTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS.

(11) ALL UTILITY TRENCHES AND ROADWAY SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT MAXIMUM DENSITY PER WSDOT STANDARD SPECIFICATIONS 2-03.3(14)D, METHOD C.

(12) OPEN CUTTING OF EXISTING ROADWAYS FOR NON-FRANCHISED UTILITY OR STORM WORK IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DPER AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH KCRDCS.

(13) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY. WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY KING COUNTY.

DRAINAGE NOTES

(1) PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO DPER PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES, PREFERABLY AT THE PRECONSTRUCTION MEETING.

(2) ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.

(3) STEEL PIPE SHALL BE ALUMINIZED, OR GALVANIZED WITH ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE.

(4) ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.

(5) ALL CATCH BASIN GRATES SHALL CONFORM TO KCRDCS, WHICH INCLUDES THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS" AND "PROPERTY OF KING COUNTY", EXCEPT THAT PRIVATE DRAINAGE SYSTEMS SHALL NOT HAVE THE WORDS "PROPERTY OF KING COUNTY".

(6) ALL DRIVEWAY CULVERTS LOCATED WITHIN KING COUNTY RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE PER KCRDCS.

(7) ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1 FOOT, AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8"/40%-70% PASSING; 2"- 4" ROCK/30%-40%PASSING; AND -2" ROCK/10%-20% PASSING. INSTALLATION SHALL BE IN ACCORDANCE WITH KCRDCS.

(8) DRAINAGE OUTLETS (STUB-OUTS) SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT, EXCEPT FOR THOSE LOTS APPROVED FOR INFILTRATION BY KING COUNTY. STUB-OUTS SHALL CONFORM TO THE FOLLOWING:

  (a) EACH OUTLET SHALL BE SUITABLY LOCATED AT THE LOWEST ELEVATION ON THE LOT, SO AS TO SERVICE ALL FUTURE ROOF DOWNSPOUTS AND FOOTING DRAINS, DRIVEWAYS, YARD DRAINS, AND ANY OTHER SURFACE OR SUBSURFACE DRAINS NECESSARY TO RENDER THE LOTS SUITABLE FOR THEIR INTENDED USE. EACH OUTLET SHALL HAVE FREE-FLOWING, POSITIVE DRAINAGE TO AN APPROVED STORMWATER CONVEYANCE SYSTEM OR TO AN APPROVED OUTFALL LOCATION.

  (b) OUTLETS ON EACH LOT SHALL BE LOCATED WITH A FIVE-FOOT-HIGH, 2" X 4" STAKE MARKED "STORM" OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE, AND BE SECURED TO THE STAKE.

  (c) PIPE MATERIAL SHALL CONFORM TO UNDERDRAIN SPECIFICATIONS DESCRIBED IN KCRDCS AND, IF NON-METALLIC, THE PIPE SHALL CONTAIN WIRE OR OTHER ACCEPTABLE DETECTION.

  (d) DRAINAGE EASEMENTS ARE REQUIRED FOR DRAINAGE SYSTEMS DESIGNED TO CONVEY FLOWS THROUGH INDIVIDUAL LOTS.

  (e) THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB-OUT CONVEYANCE LINES WITH RESPECT TO THE UTILITIES (E.G. POWER, GAS, TELEPHONE, TELEVISION).

  (f) ALL INDIVIDUAL STUB-OUTS SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE LOT HOME OWNER.

(9) ALL DISTURBED PERVIOUS AREAS (COMPACTED, GRADED, LANDSCAPED, ETC.) OF THE DEVELOPMENT SITE MUST DEMONSTRATE ONE OF THE FOLLOWING, IN ACCORDANCE WITH KCC AND THE LOW IMPACT DEVELOPMENT (LID) COMPONENTS OF THE APPROVED SITE PLAN: THE EXISTING DUFF LAYER SHALL BE STAGED AND REDISTRIBUTED TO MAINTAIN THE MOISTURE CAPACITY OF THE SOIL, OR; AMENDED SOIL SHALL BE ADDED TO MAINTAIN THE MOISTURE CAPACITY.

(10) SEASONAL CLEARING IS LIMITED BETWEEN OCTOBER 1 AND APRIL 30 INCLUSIVE, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.

(11) IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE "IN OPERATION", (KCC 9.04).

EROSION AND SEDIMENTATION CONTROL NOTES

(1) APPROVAL OF THIS EROSION AND 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/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.

(3) THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (KING COUNTY SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.

(4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.

(5) THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED), AND ADJACENT PROPERTIES IS MINIMIZED.

(6) 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 MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).

(7) THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.

(8) ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).

(9) ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.

(10) THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH (MORE FREQUENTLY AS REQUIRED BY THE DPER SITE INSPECTOR) OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.

(11) AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. 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.

(12) ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. FLOW CONTROL BMP FACILITY AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION.

(13) COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.

(14) PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DPER INSPECTOR FOR REVIEW.

STRUCTURAL NOTES

(1) THESE PLANS ARE APPROVED FOR STANDARD ROAD AND DRAINAGE IMPROVEMENTS ONLY. PLANS FOR STRUCTURES SUCH AS BRIDGES, VAULTS, AND RETAINING WALLS REQUIRE A SEPARATE REVIEW AND APPROVAL BY DPER PRIOR TO CONSTRUCTION (KCC 16.04. 16.70, 14.20).

(2) ROCKERIES ARE CONSIDERED TO BE A METHOD OF BANK STABILIZATION AND EROSION CONTROL. ROCKERIES SHALL NOT BE CONSTRUCTED TO SERVE AS RETAINING WALLS. ALL ROCKERIES IN COUNTY ROAD RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH KCRDCS. ROCKERIES OUTSIDE OF ROAD RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

CONSTRUCTION STORMWATER POLLUTION PREVENTION RECOMMENDED CONSTRUCTION SEQUENCE

(1) PRE-CONSTRUCTION MEETING.

(2) POST SIGN WITH NAME AND PHONE NUMBER OF CSWPP/ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).

(3) FLAG OR FENCE CLEARING LIMITS.

(4) INSTALL CATCH BASIN PROTECTION AND FLOW CONTROL BMP AREA PROTECTION AS REQUIRED.

(5) GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).

(6) INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).

(7) CONSTRUCT SEDIMENT PONDS AND TRAPS.

(8) GRADE AND STABILIZE CONSTRUCTION ROADS.

(9) CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. CONSTRUCT SWPPS CONTROLS IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G., CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT OR ROADWAY CONSTRUCTION)

(10) MAINTAIN EROSION CONTROL AND SWPPS MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

(11) RELOCATE EROSION CONTROL AND SWPPS MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL AND POLLUTANT PROTECTION IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY CONSTRUCTION STORMWATER POLLUTION PREVENTION STANDARDS.

(12) COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, OR EQUIVALENT.

(13) STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.

(14) SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.

(15) UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMPS REMOVED IF APPROPRIATE.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C0.03.dwg
5/31/2018 12:12 PM PETER EVANS

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
KING COUNTY STANDARD PLAN NOTES
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CP|H
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

811
Know what's below.
Call before you dig.

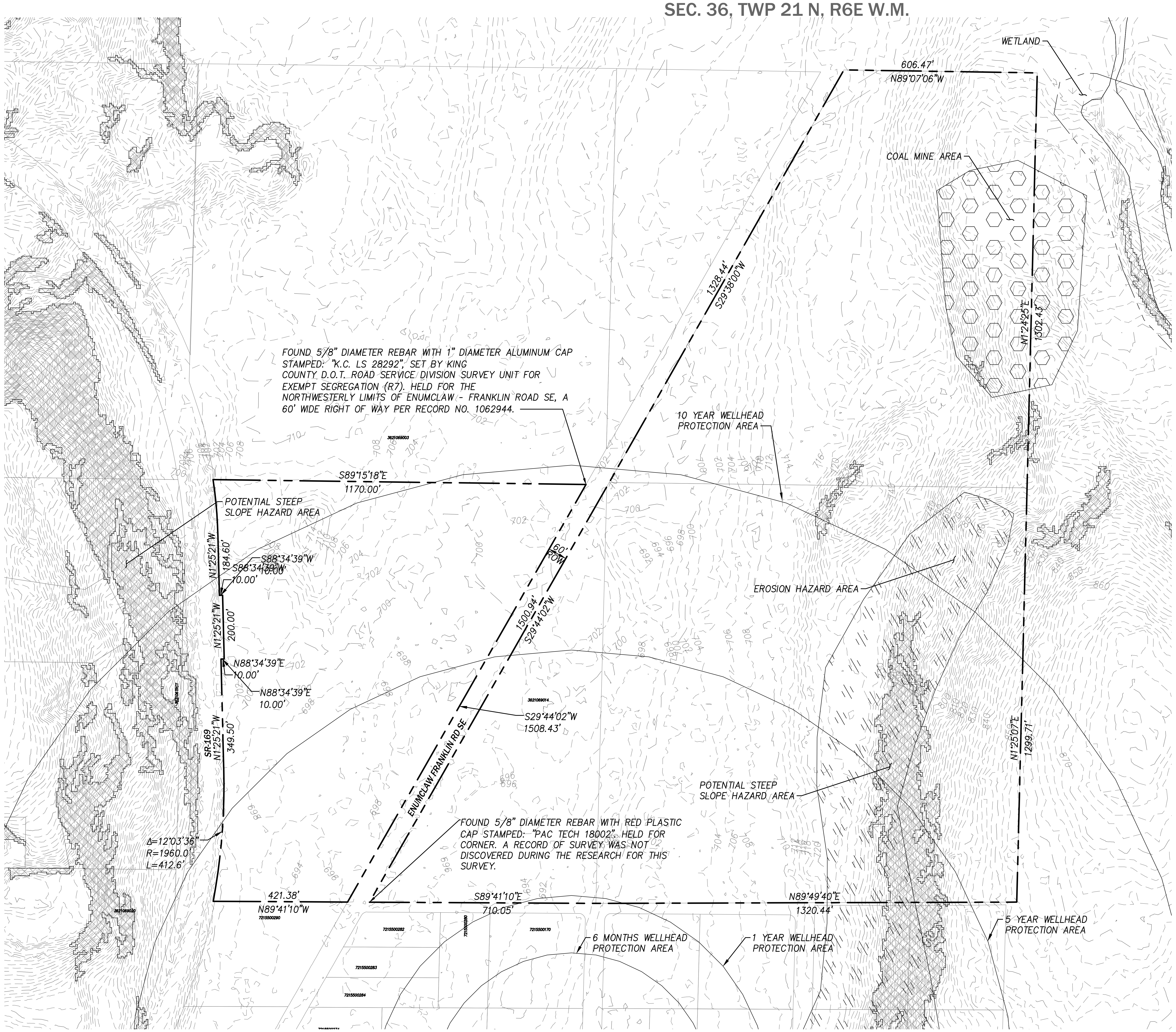
PROJECT NO.
0164-17-001

DRAWING
C0.03

TBLOCK
OLIDAR1641701
OTOP1641701
OGIS1641701

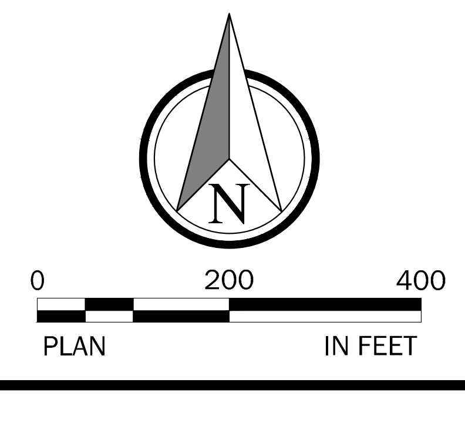
SEC. 36, TWP 21 N, R6E W.M.

NOTE:
SEE "RECORD OF SURVEY" SHEETS, C0.15 AND C0.20 FOR LEGAL DESCRIPTION AND SURVEYOR'S NOTES.



FOUND 5/8" DIAMETER REBAR WITH 1" DIAMETER ALUMINUM CAP STAMPED: "K.C. LS 28292", SET BY KING COUNTY D.O.T. ROAD SERVICE DIVISION SURVEY UNIT FOR EXEMPT SEGREGATION (R7). HELD FOR THE NORTHWESTERLY LIMITS OF ENUMCLAW - FRANKLIN ROAD SE, A 60' WIDE RIGHT OF WAY PER RECORD NO. 1062944.

FOUND 5/8" DIAMETER REBAR WITH RED PLASTIC CAP STAMPED: "PAC TECH 18002". HELD FOR CORNER. A RECORD OF SURVEY WAS NOT DISCOVERED DURING THE RESEARCH FOR THIS SURVEY.



Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
1	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE

COMMERCIAL SITE DEVELOPMENT PERMIT

EXISTING CONDITIONS

KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C0.10

SHEET 5 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C0.10.dwg
5/31/2018 12:12 PM PETER EVANS

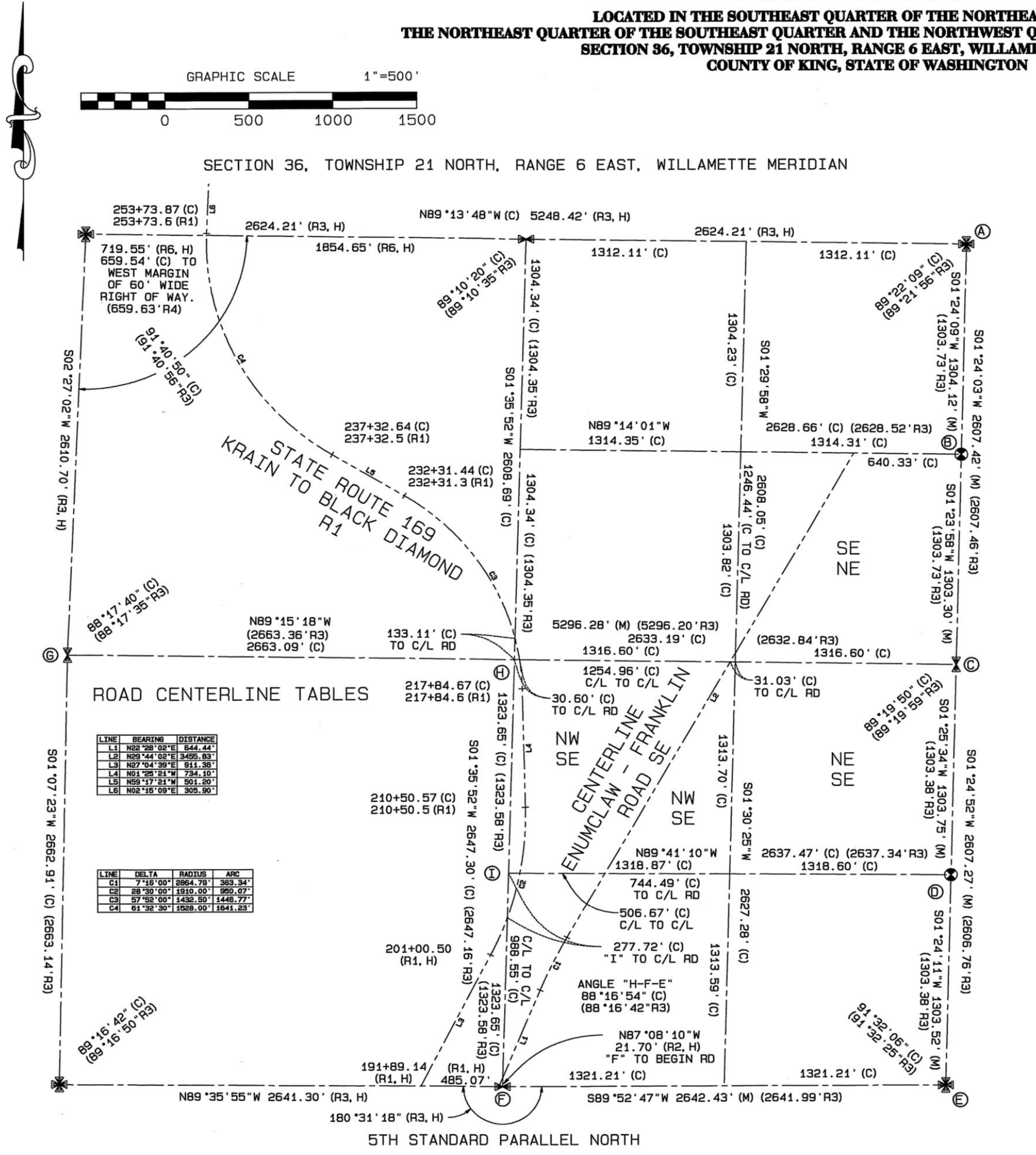
SEC. 36, TWP 21 N, R6E W.M.

Instrument Number: 20180530900023 Book:SURVEY Vol: 385 Page: 37 Document:SURVEY
Record Date: 5/30/2018 1:08 PM Rec: $163.00 In King County, WA

385/037

RECORD OF SURVEY

**LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER,
THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND THE NORTHWEST QUARTER OF THE SOUTHEST QUARTER
SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN
COUNTY OF KING, STATE OF WASHINGTON**



ROAD CENTERLINE TABLES

LINE	BEARING	DISTANCE
L1	N22°28'02"E	644.44'
L2	N29°44'02"E	3455.83'
L3	N27°04'39"E	911.36'
L4	N01°25'21"W	734.10'
L5	N59°17'21"W	501.20'
L6	N02°15'09"E	305.90'

LINE	DELTA	RADIUS	ARC
C1	7°15'00"	2864.79'	363.34'
C2	28°30'00"	1910.00'	950.07'
C3	57°52'00"	1432.50'	1446.77'
C4	61°32'30"	1528.00'	1641.23'

LEGAL DESCRIPTIONS:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF ENUMCLAW, IN THE COUNTY OF KING, STATE OF WASHINGTON, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, W.M., IN KING COUNTY, WASHINGTON;

EXCEPT COUNTY ROAD;

EXCEPT THAT PORTION FOR STATE HIGHWAY 35 (ALSO KNOWN AS STATE ROUTE 169).

PARCEL B:

LOT B OF KING COUNTY EXEMPT SEGREGATION NO. L11M0029, RECORDED UNDER RECORDING NUMBER 20111213900009, RECORDS OF KING COUNTY, WASHINGTON.

PARCEL C:

THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, W.M., IN KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

THE PRECEDING DESCRIPTIONS ARE PER FIDELITY NATIONAL INSURANCE COMPANY'S OWNER'S POLICY OF TITLE INSURANCE NO.: WA-FBCM-IMP-27306-1-16-20372794, ORDER NO.: 20372794-410-KA6-MAW, DATED JUNE 27, 2016.

LEGEND:

(R1)	MAP OF STATE ROUTE 169, KRAIN TO BLACK DIAMOND, KING COUNTY, STATE OF WASHINGTON, DEPARTMENT OF HIGHWAYS, OLYMPIA, WASHINGTON, APPROVED OCTOBER 28, 1947.
(R2)	PLAT OF REMOLIF ADDITION AS RECORDED APRIL 29, 1969, IN BOOK 89 OF PLATS, ON PAGES 43 & 44, UNDER AUDITOR'S FILE NO. 6503154.
(R3)	STATE OF WASHINGTON, DEPARTMENT OF NATURAL RESOURCES MAP SHOWING SURVEY OF SECTION 36, T21N, R6E, WM, IN KING COUNTY DATED JANUARY 1984.
(R4)	KING COUNTY BOUNDARY LINE ADJUSTMENT NO. L98L0157 AS RECORDED JULY 6, 1999, IN BOOK 130 OF SURVEYS, AT PAGE 200AB, UNDER AUDITOR'S FILE NO. 19990706900019.
(R5)	SURVEY AS RECORDED JULY 9, 2001, IN BOOK 146 OF SURVEYS, ON PAGE 39, UNDER UNDER AUDITOR'S FILE NO. 20010709900015.
(R6)	KING COUNTY BOUNDARY LINE ADJUSTMENT NO. L07L0018 AS RECORDED AUGUST 9, 2007, IN BOOK 224 OF SURVEYS, AT PAGE 285, UNDER AUDITOR'S FILE NO. 20070809900013.
(R7)	KING COUNTY EXEMPT SEGREGATION NO. L11M0029 AS RECORDED DECEMBER 13, 2011, IN BOOK 284 OF SURVEYS, AT PAGE 284, UNDER AUDITOR'S FILE NO. 20111213900009.
(C)	CALCULATED
(M)	MEASURED
(H)	HELD
Ⓐ	FOUND 4" DIAMETER BRASS DISK STAMPED: "1995, P.C.C.C. 18898, SEC 31".
Ⓑ	FOUND STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED: "T21N, R6E I R7E, N1/16, S36 I S31", SET IN CONCRETE TUBE.
Ⓒ	FOUND STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK.
Ⓓ	FOUND STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED: "T21N, R6E I R7E, S1/16, S36 I S31, 1989" SET IN CONCRETE TUBE.
Ⓔ	FOUND MAGNETIC SURVEYOR'S NAIL WITH WASHER AND TWO 2.00' REFERENCE NAILS AT A 90° ANGLE.
Ⓕ	FOUND STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK WITH PUNCH, SET IN CONCRETE FLUSH WITH ROAD SURFACE.
Ⓖ	FOUND STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED: "1/4, S35 I S36".
Ⓗ	FOUND DISTURBED STANDARD 3" DIAMETER WASHINGTON DEPARTMENT OF NATURAL RESOURCES BRASS DISK STAMPED: " CTR SEC 36, 1933", SET IN CONCRETE IN 3" DIAMETER ADS PIPE, AT TOE OF ROAD FILL, LEANING 4" EAST, 0.18' SOUTH & 0.85' EAST OF CALCULATED CENTER OF SECTION 36.
Ⓘ	FOUND OBLITERATED STANDARD DNR CONCRETE MONUMENT. THE CENTER-SOUTH 1/16TH POSITION IS CALCULATED AT THE MID-POINT OF "F" AND "H".

LEROY SURVEYORS & ENGINEERS
P. O. Box 740, Puyallup, WA 98371
(253) 848-6608 FAX: (253) 840-4140
WWW.LSEINC.COM

*SURVEYORS
ENGINEERS
PLANNERS
CARTOGRAPHERS
GIS, GPS
ENVIRONMENTAL
& URBANIZATION
CONSULTANTS*

May 29, 2018
LYLE E. FOX
12944

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF SURVEY RECORDING ACT AT THE REQUEST OF RON SHEAR IN DECEMBER 2017.

Lyle E Fox
LYLE E. FOX
LS 12944 CERTIFICATE NUMBER

AUDITOR'S CERTIFICATE

FILED FOR RECORD THIS 30 DAY OF MAY, 2018, AT 1:08 PM., IN BOOK 385 OF SURVEYS, AT PAGE 37-38, AT THE REQUEST OF LS&E.

MANAGER SUPT. OF RECORDS
Norm Alberg

RECORD OF SURVEY
FOR:
BUCKLEY RECYCLING CENTER

SE NE, NE SE & NW SE, SEC 36, T21N, R6E.			
JOB NO:	11036	DRAWN BY:	DRB
DATE:	May. 29. 2018		
SCALE:	1"= 500'		
SHEET:	ONE OF TWO		

20180530900023 Vol:385 Page:37
SURVEY
Pages: 2
5/30/2018 1:08 PM
Rec: $163.00
KING COUNTY, WA

NO.	DATE	REVISION	BY	CK.
1	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
RECORD OF SURVEY
KING COUNTY WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CP|H CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

811 Know what's below. Call before you dig.

PROJECT NO. 0164-17-001

DRAWING C0.15

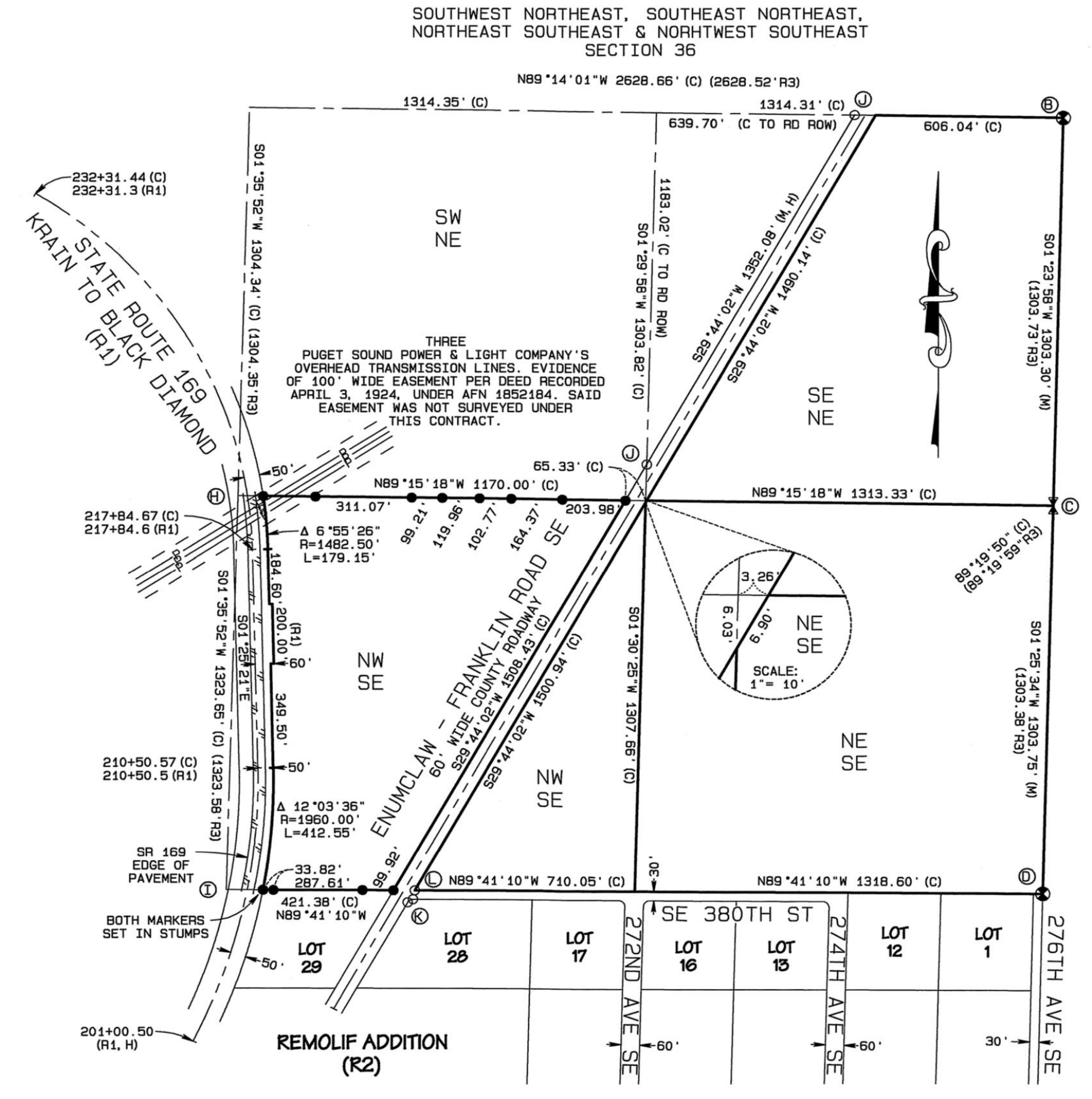
TBLOCK
OLIDAR1641701
OTOP1641701
OGIS1641701

SEC. 36, TWP 21 N, R6E W.M.

385/038

RECORD OF SURVEY

LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER,
THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND THE NORTHWEST QUARTER OF THE SOUTHEST QUARTER
SECTION 36, TOWNSHIP 21 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN
COUNTY OF KING, STATE OF WASHINGTON



LEGEND:

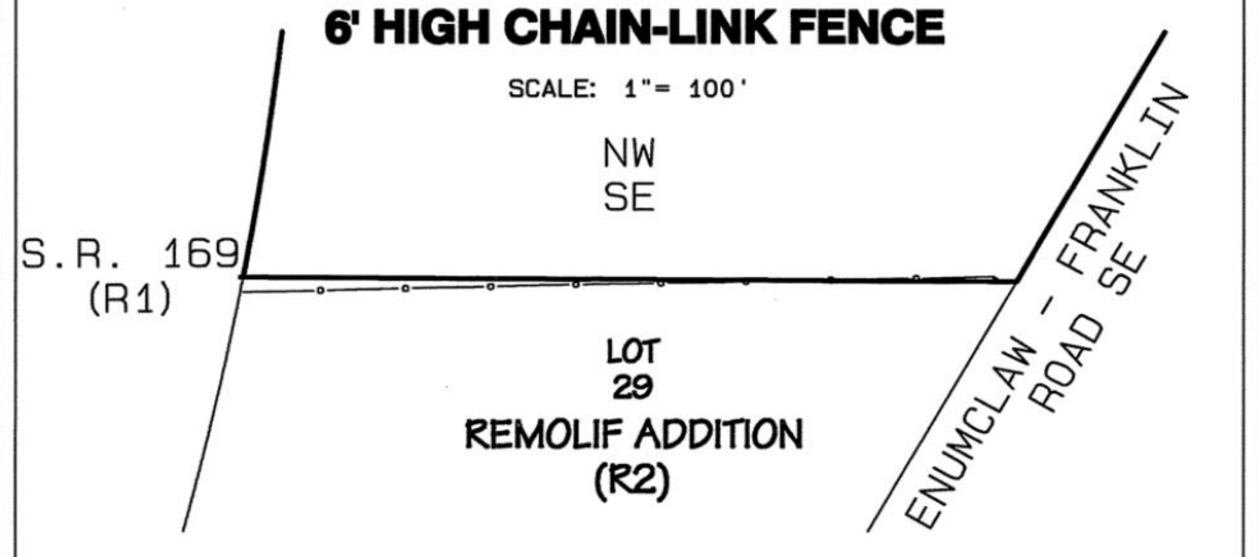
- ○ FOUND SURVEY MARKER AS DESCRIBED.
- ● SET 1/2" DIAMETER REBAR, 24" IN LENGTH, WITH AN ORANGE PLASTIC CAP STAMPED: "LS&E PLS 35972".
- Ⓙ FOUND 5/8" DIAMETER REBAR WITH 1" DIAMETER ALUMINUM CAP STAMPED: "K.C. LS 28292", SET BY KING COUNTY D.O.T. ROAD SERVICE DIVISION SURVEY UNIT FOR EXEMPT SEGREGATION (R7). HELD FOR THE NORTHWESTERLY LIMITS OF ENUMCLAW - FRANKLIN ROAD SE, A 60' WIDE RIGHT OF WAY PER RECORD NO. 1062944.
- Ⓚ FOUND 5/8" DIAMETER REBAR WITH YELLOW PLASTIC CAP STAMPED: "HDGA LS 36795" SET PER SURVEY R5. HELD FOR SOUTHEASTERLY LIMITS OF ENUMCLAW - FRANKLIN ROAD SE.
- Ⓛ FOUND 5/8" DIAMETER REBAR WITH RED PLASTIC CAP STAMPED: "PAC TECH 18002". HELD FOR CORNER. A RECORD OF SURVEY WAS NOT DISCOVERED DURING THE RESEARCH FOR THIS SURVEY.

SURVEYOR'S NOTES:

1. HORIZONTAL DATUM: WASHINGTON COORDINATE SYSTEM OF 1983, WITH 2011 CORRECTION, NORTH ZONE.
2. THE METHOD OF DERIVING THE HORIZONTAL DATUM WAS BY GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) UTILITIZING REAL-TIME CORRECTIONS FROM THE WASHINGTON STATE REFERENCE NETWORK (RTN), WHICH IS BASED ON THE NATIONAL GEODETIC SURVEY NAD 83-2011, EPOCH 2010.00 REFERENCE NETWORK, GEOID 12A MODEL, UTILIZING A TOPCON HYPER V DUAL-FREQUENCEY GNSS RECEIVER.
3. THE METHOD OF MARKER AND FEATURE LOCATION WAS BY GNSS RTN AND CONVENTIONAL FIELD TRAVERSE SURVEY PROCEDURES, UTILIZING A TRIMBLE S6 ROBOTIC TOTAL STATION.
4. THE FIELDWORK FOR THIS SURVEY WAS CONDUCTED IN DECEMBER, 2016 AND JANUARY, 2017. THE DEED MARKERS WERE ESTABLISHED JANUARY 19, 2017.
5. THIS SURVEY WAS PERFORMED TO ESTABLISH MARKERS AT THE CORNERS AND ALONG THE NORTH AND SOUTH LINES OF PARCEL A, LYING NORTHWESTERLY OF ENUMCLAW - FRANKLIN ROAD SE. THE BOUNDARY LINES WERE NOT TRAVERSED, EXCEPT FOR SAID NORTH AND SOUTH LINES. THIS SURVEY DOES NOT SHOW ALL EASEMENTS, RESTRICTIONS AND/OR RESERVATIONS WHICH MAY AFFECT THESE PROPERTIES. LS&E ASSUMES NO RESPONSIBILITY FOR ANY ENCUMBRANCES OTHER THAN THOSE SHOWN.
6. THE 6 FEET HIGH CHAIN-LINK FENCE ALONG THE SOUTH LINE MAY HAVE PRIOR RIGHTS. DO NOT REMOVE IT WITHOUT THE NEIGHBOR'S AGREEMENT OR LEGAL COUNSEL.
7. THE 6 FEET HIGH CHAIN-LINK FENCE ENCROACHMENT SHOWN BY THIS SURVEY MAY BE AN INDICATION OF UNWRITTEN RIGHTS BY EITHER A PEACEFUL SETTLEMENT OR HOSTILE RELATIONS. NO ATTEMPT WAS MADE TO VERIFY IF AN UNWRITTEN RIGHT HAS EXTINGUISHED ANY PORTION OF THE WRITTEN TITLE SHOWN BY THIS SURVEY. ANY CLAIMANT SHOULD SEEK THE CONSULTATION OF AN ATTORNEY CONCERNING THE BURDEN OF PROOF REQUIRED TO PERFECT AN UNWRITTEN RIGHT AND OBTAIN A WRITTEN TITLE.
8. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS AND GUIDELINES SET FORTH IN THE "SURVEY RECORDING ACT" CHAPTER 58.09 RCW. THE FINAL RESULTS MEETS OR EXCEEDS THE STANDARDS CONTAINED IN WAC 332-130-090.

DETAIL
6' HIGH CHAIN-LINK FENCE

SCALE: 1"= 100'



WEST END OF FENCE IS 8.6' SOUTH & 1.5' EAST OF DEED CORNER.
EAST END OF FENCE IS 2.4' NORTH & 10.5' WEST OF DEED CORNER.
FENCE IS ON DEED LINE 109.3' WEST OF SOUTHEAST DEED CORNER.

GRAPHIC SCALE 1"=300'
0 300 600 900

LEROY SURVEYORS & ENGINEERS
P. O. Box 740, Puyallup, WA 98371
(253) 848-6608 FAX: (253) 840-4140
WWW.LSEINC.COM

SURVEYORS
ENGINEERS
PLANNERS
CARTOGRAPHERS
GIS, GPS
ENVIRONMENTAL
& URBANIZATION
CONSULTANTS

May 29, 2018
LYLE E. FOX
12944

RECORD OF SURVEY
FOR:
BUCKLEY RECYCLING CENTER

SE NE, NE SE & NW SE, SEC 36, T21N, R6E.			
JOB NO:	11036	DRAWN BY:	DRB
DATE:	May. 29, 2018		
SCALE:	1"= 300'		
SHEET:	TWO OF TWO		

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
RECORD OF SURVEY
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C0.20

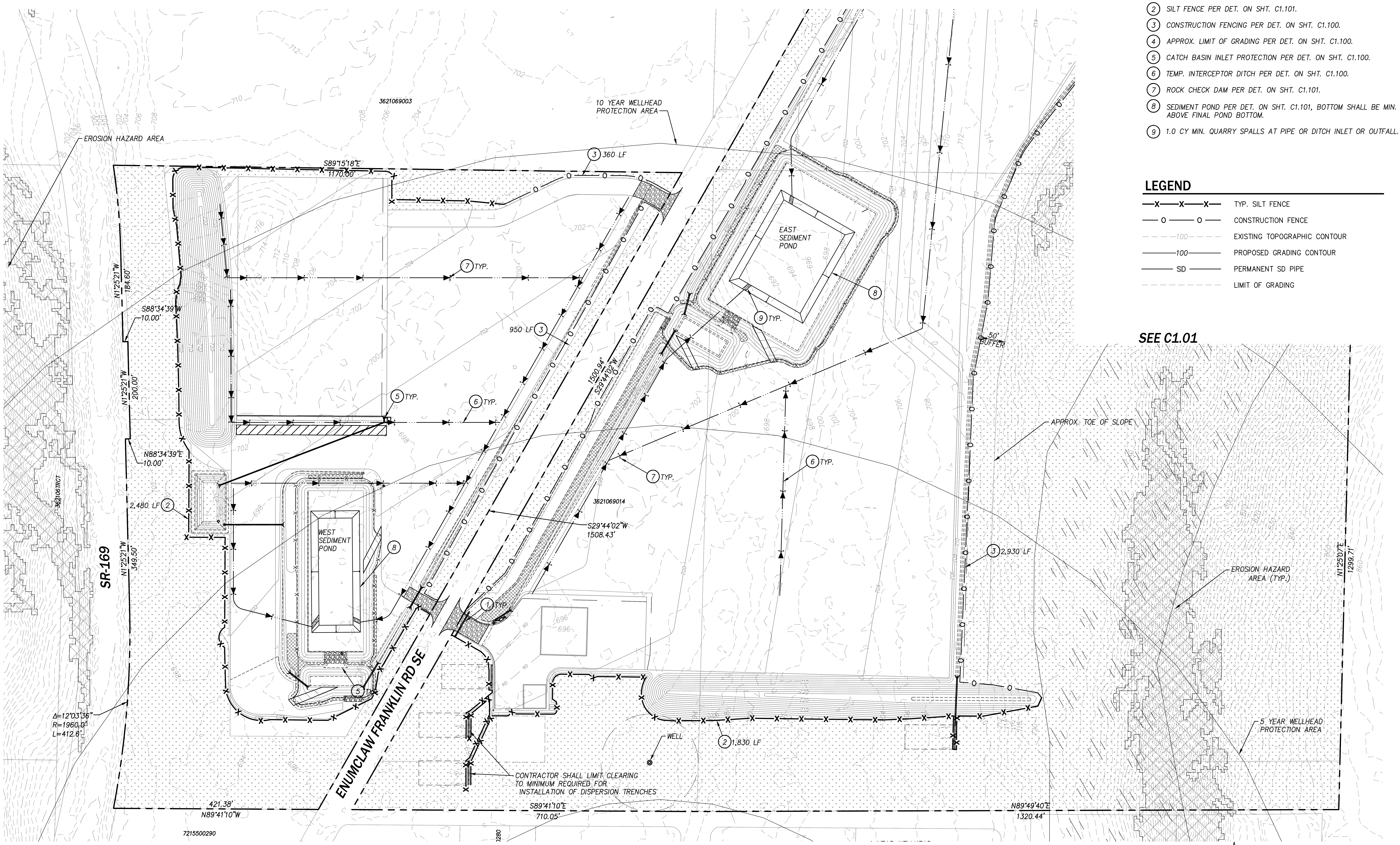
SHEET 7 OF 20

811
Know what's below.
Call before you dig.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C0.20.dwg
5/31/2018 12:12 PM PETER EVANS

TBLOCK
OLIDAR1641701
OTOP1641701
CSIT1641701
CGRD1641701
CUSD1641701
TESC1641701
OGIS1641701

SEC. 36, TWP 21 N, R6E W.M.

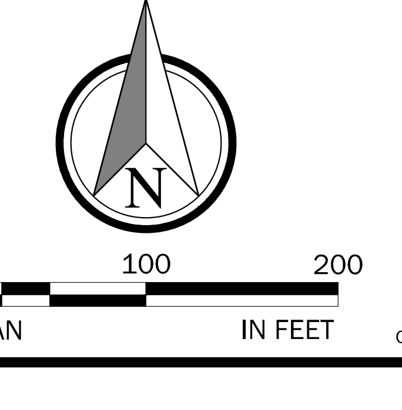


CONSTRUCTION NOTES

① STABILIZED CONSTRUCTION ENTRANCE PER DETAIL ON SHT. C3.101.
② SILT FENCE PER DET. ON SHT. C1.101.
③ CONSTRUCTION FENCING PER DET. ON SHT. C1.100.
④ APPROX. LIMIT OF GRADING PER DET. ON SHT. C1.100.
⑤ CATCH BASIN INLET PROTECTION PER DET. ON SHT. C1.100.
⑥ TEMP. INTERCEPTOR DITCH PER DET. ON SHT. C1.100.
⑦ ROCK CHECK DAM PER DET. ON SHT. C1.101.
⑧ SEDIMENT POND PER DET. ON SHT. C1.101, BOTTOM SHALL BE MIN. 12" ABOVE FINAL POND BOTTOM.
⑨ 1.0 CY MIN. QUARRY SPALLS AT PIPE OR DITCH INLET OR OUTFALL.

LEGEND

—x—x—x—	TYP. SILT FENCE
—o——o—	CONSTRUCTION FENCE
— — —100— — —	EXISTING TOPOGRAPHIC CONTOUR
——100——	PROPOSED GRADING CONTOUR
—— SD ——	PERMANENT SD PIPE
— — — — — —	LIMIT OF GRADING



811
Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
TESC PLAN
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

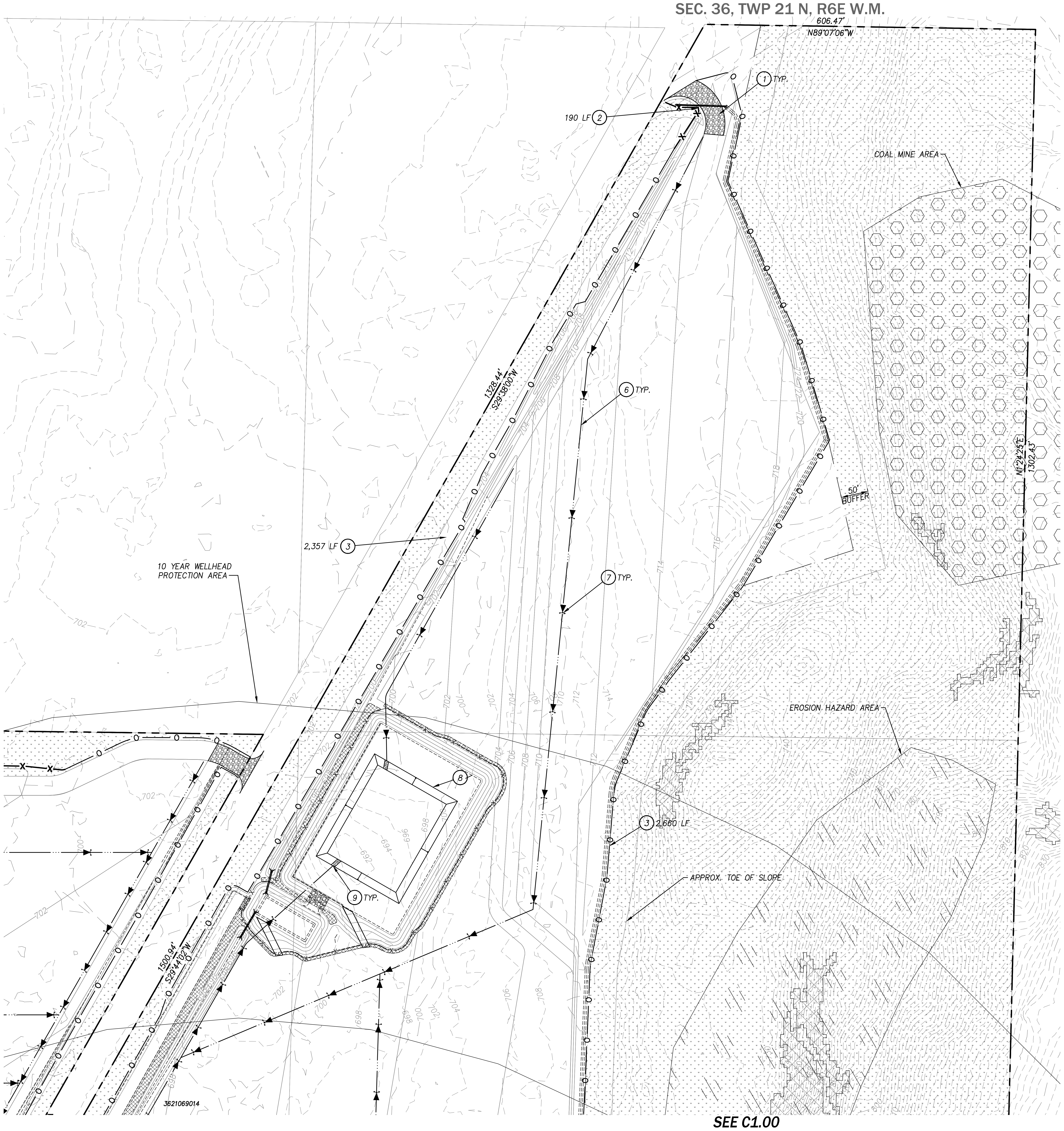
PROJECT NO.
0164-17-001

DRAWING
C1.00

SHEET 8 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C1.00.dwg
5/31/2018 12:13 PM PETER EVANS

TBLOCK
OLIDAR1641701
OTOP1641701
CSIT1641701
CGRD1641701
CUSD1641701
TESC1641701
OGIS1641701

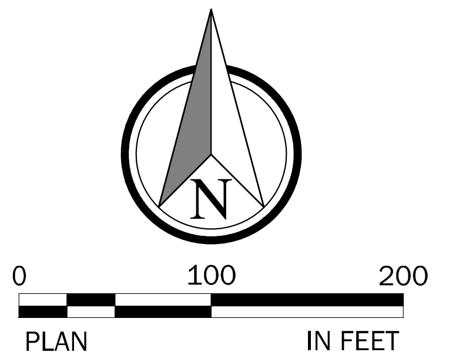


CONSTRUCTION NOTES

① STABILIZED CONSTRUCTION ENTRANCE PER DETAIL ON SHT. C3.101.
② SILT FENCE PER DET. ON SHT. C1.101.
③ CONSTRUCTION FENCING PER DET. ON SHT. C1.100.
④ APPROX. LIMIT OF GRADING PER DET. ON SHT. C1.100.
⑤ CATCH BASIN INLET PROTECTION PER DET. ON SHT. C1.100.
⑥ TEMP. INTERCEPTOR DITCH PER DET. ON SHT. C1.100.
⑦ ROCK CHECK DAM PER DET. ON SHT. C1.101.
⑧ SEDIMENT POND PER DET. ON SHT. C1.101, BOTTOM SHALL BE MIN. 12" ABOVE FINAL POND BOTTOM.
⑨ 1.0 CY MIN. QUARRY SPALLS AT PIPE OR DITCH INLET OR OUTFALL.

LEGEND

—x—x—x—	TYP. SILT FENCE
— o — o —	CONSTRUCTION FENCE
— — —100— — —	EXISTING TOPOGRAPHIC CONTOUR
——100——	PROPOSED GRADING CONTOUR
—— SD ——	PERMANENT SD PIPE
— — — — — —	LIMIT OF GRADING



Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
TESC PLAN

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

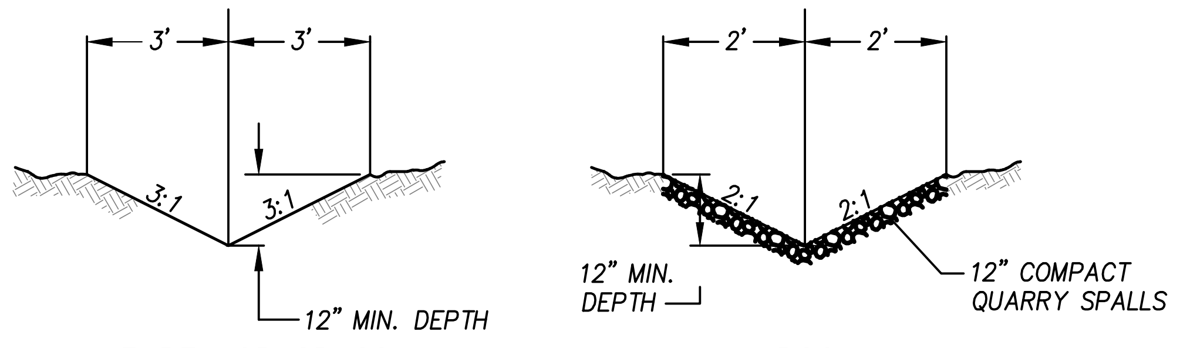
DRAWING
C1.01

SHEET 9 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C1.01.dwg
5/31/2018 12:13 PM PETER EVANS

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.



EARTH OR GRASS LINED

ROCK LINED

NOTES:

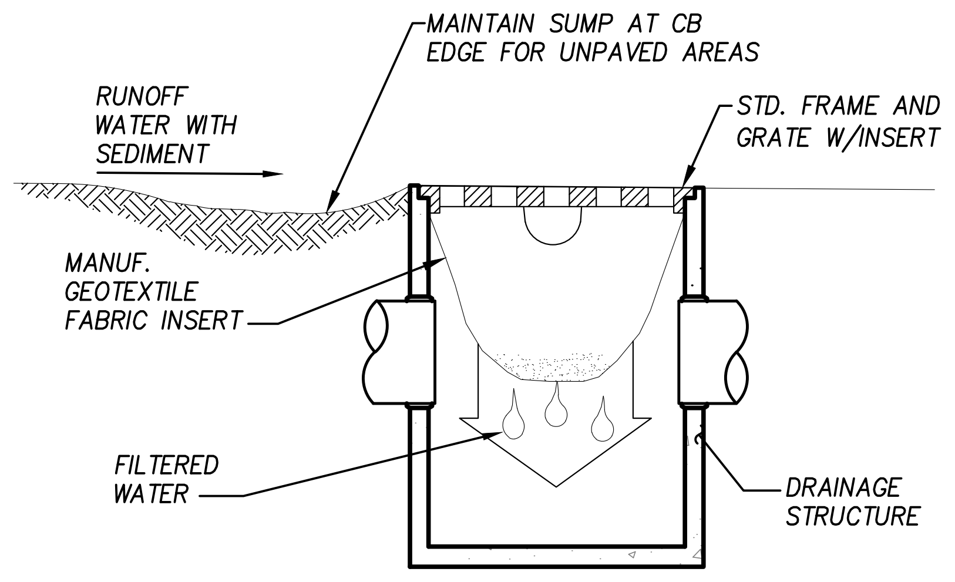
1. EARTH OR GRASS LINED DITCHES SHALL HAVE SLOPES OF 6% OR LESS AND A MAXIMUM FLOW VELOCITY OF 5FPS.
2. ROCK CHECK DAMS SHALL BE USED IN EARTH OR GRASS LINED DITCHES FOR SLOPES GREATER THAN 3%.
3. ROCK LINED DITCHES SHALL BE USED WHEN SLOPES EXCEED 6% OR FOR FLOW VELOCITY GREATER THAN 5FPS.

MAINTENANCE STANDARDS:

1. ANY SEDIMENT DEPOSITION OF MORE THAN 0.5 FEET SHALL BE REMOVED SO THAT THE CHANNEL IS RESTORED TO ITS DESIGN CAPACITY.
2. IF THE CHANNEL CAPACITY IS INSUFFICIENT FOR THE DESIGN STORM, IT MUST BE DETERMINED WHETHER THE PROBLEM IS LOCAL (E.G., A CONSTRICTION OR BEND) OR THE CHANNEL IS UNDERDESIGNED. IF THE PROBLEM IS LOCAL, THE CHANNEL CAPACITY MUST BE INCREASED THROUGH CONSTRUCTION OF A BERM(S) OR BY EXCAVATION. IF THE PROBLEM IS UNDERDESIGN, THE DESIGN ENGINEER SHALL BE NOTIFIED AND THE CHANNEL REDESIGNED TO A MORE CONSERVATIVE STANDARD TO BE APPROVED BY SNOHOMISH COUNTY.
3. THE CHANNEL SHALL BE EXAMINED FOR SIGNS OF SCOURING AND EROSION OF THE BED AND BANKS. IF SCOURING OR EROSION HAS OCCURRED, AFFECTED AREAS SHALL BE PROTECTED BY RIP-RAP OR AN EROSION CONTROL BLANKET OR NET.

TEMPORARY INTERCEPTOR DITCH

NOT TO SCALE

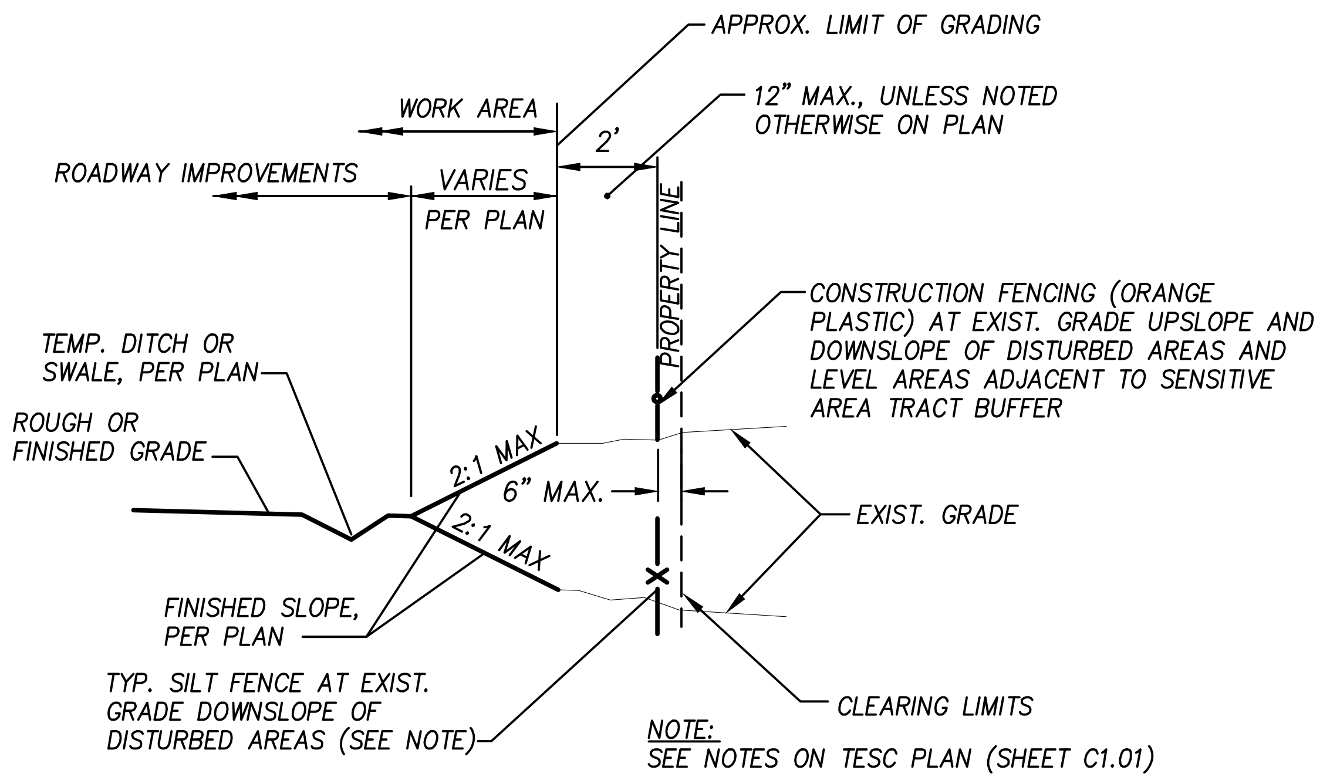


MAINTENANCE STANDARDS

1. ANY ACCUMULATED SEDIMENT ON OR AROUND INLET PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON SITE OR HAULED OFF SITE.
2. ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE SEDIMENT HAS FILLED ONE THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACE AT LEAST MONTHLY.
3. REGULAR MAINTENANCE IS CRITICAL FOR ALL FORMS OF CATCH BASIN/INLET PROTECTION. UNLIKE MANY FORMS OF PROTECTION THAT FAIL GRADUALLY. CATCH BASIN PROTECTION WILL FAIL SUDDENLY AND COMPLETELY IF NOT MAINTAINED.

CATCH BASIN INLET PROTECTION

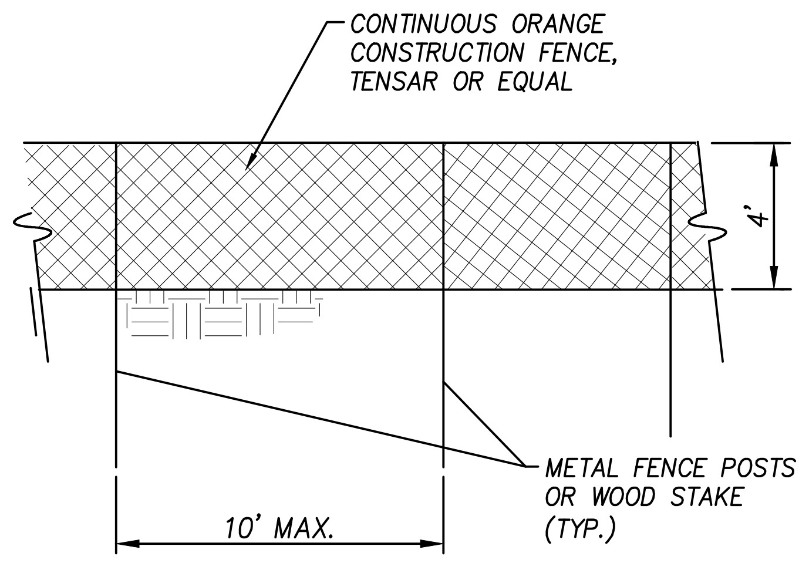
NOT TO SCALE



NOTE:
SEE NOTES ON TESC PLAN (SHEET C1.01) FOR ADDITIONAL SPECIFICATIONS FOR SILT FENCE LOCATION/PHASING.

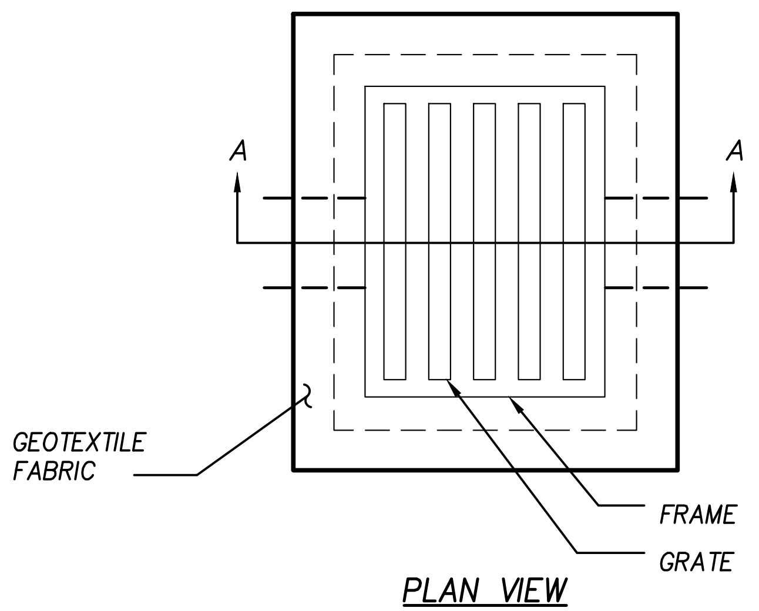
TYPICAL CLEARING LIMITS

NOT TO SCALE

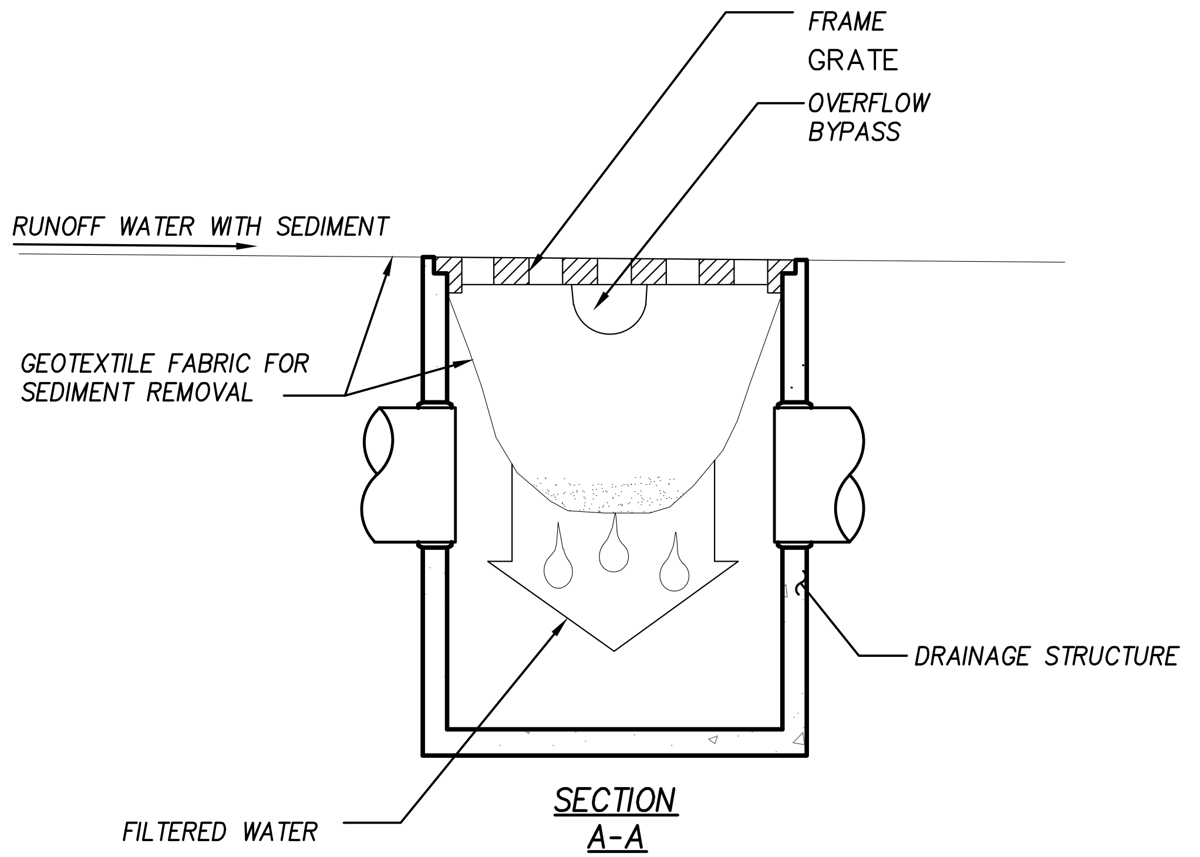


CONSTRUCTION FENCE

NOT TO SCALE



PLAN VIEW



SECTION A-A

ALTERNATE INLET PROTECTION

CATCH BASIN PROTECTION

NOT TO SCALE

811®
Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
TESC DETAILS

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CP|H
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

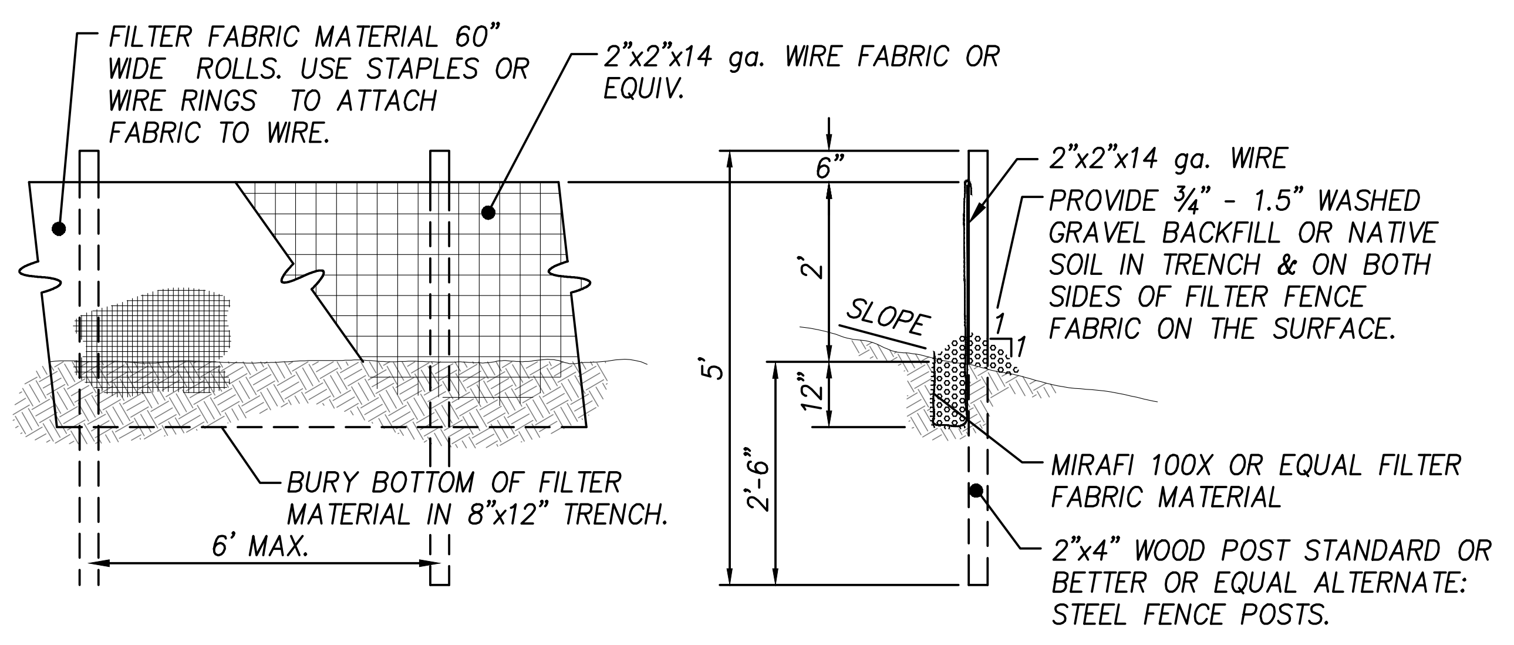
DRAWING
C1.100

SHEET 10 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C1.100.dwg
5/31/2018 12:13 PM PETER EVANS

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.



STANDARD NOTES:

A. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.

B. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS (WHERE FEASIBLE). THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).

C. A TRENCH SHALL BE EXCAVATED, ROUGHLY 8 INCHES WIDE AND 12 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.

D. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

E. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

F. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTE E. APPLYING.

G. THE TRENCH SHALL BE BACKFILLED WITH ¾-INCH MINIMUM WASHED GRAVEL.

H. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

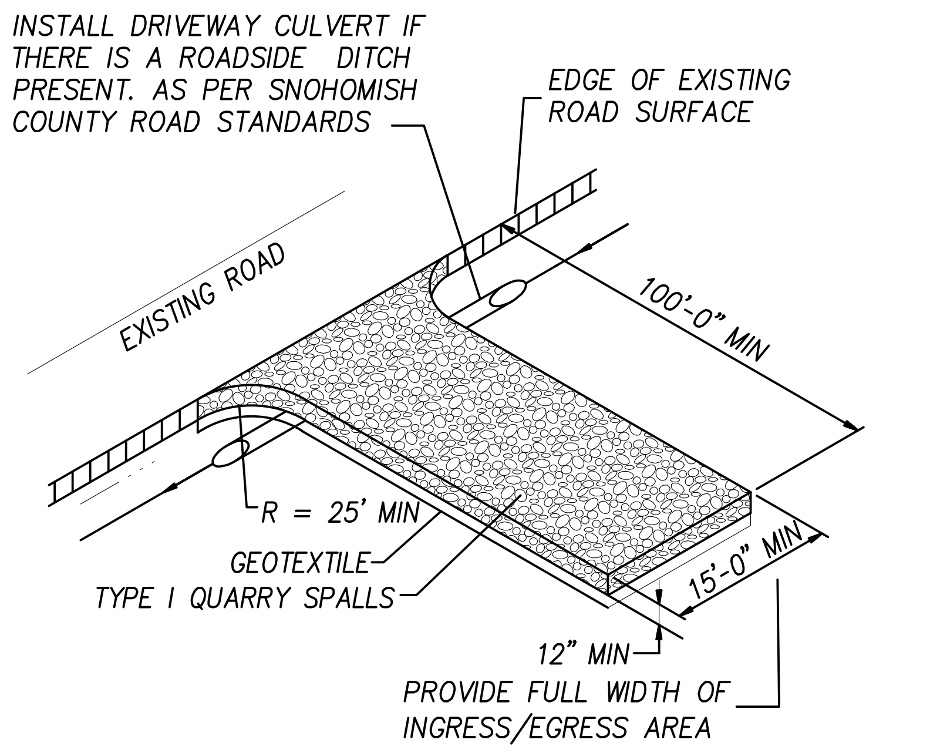
I. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

MAINTENANCE STANDARDS:

1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

TYPICAL SILT FENCE

NOT TO SCALE



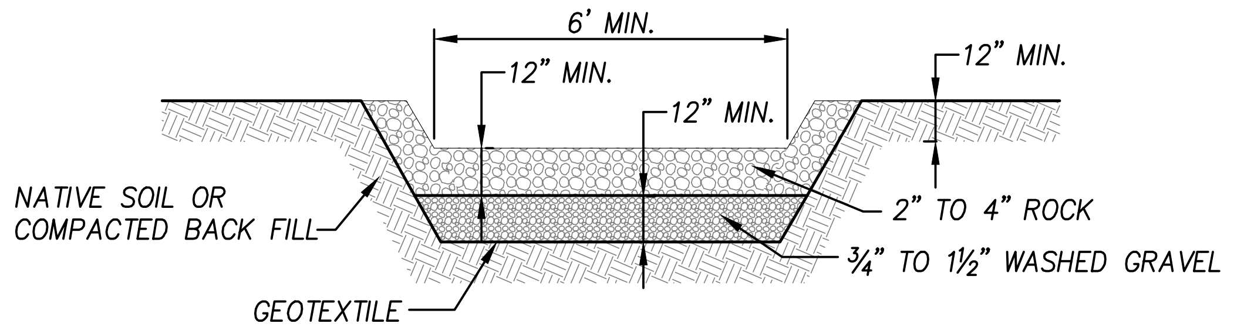
MAINTENANCE STANDARDS:

1. QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
2. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT TRAP OR POND.
3. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON-SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP.
4. ANY ROCK SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
5. IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING (SECTION 5.4.1) SHALL BE INSTALLED TO CONTROL TRAFFIC.

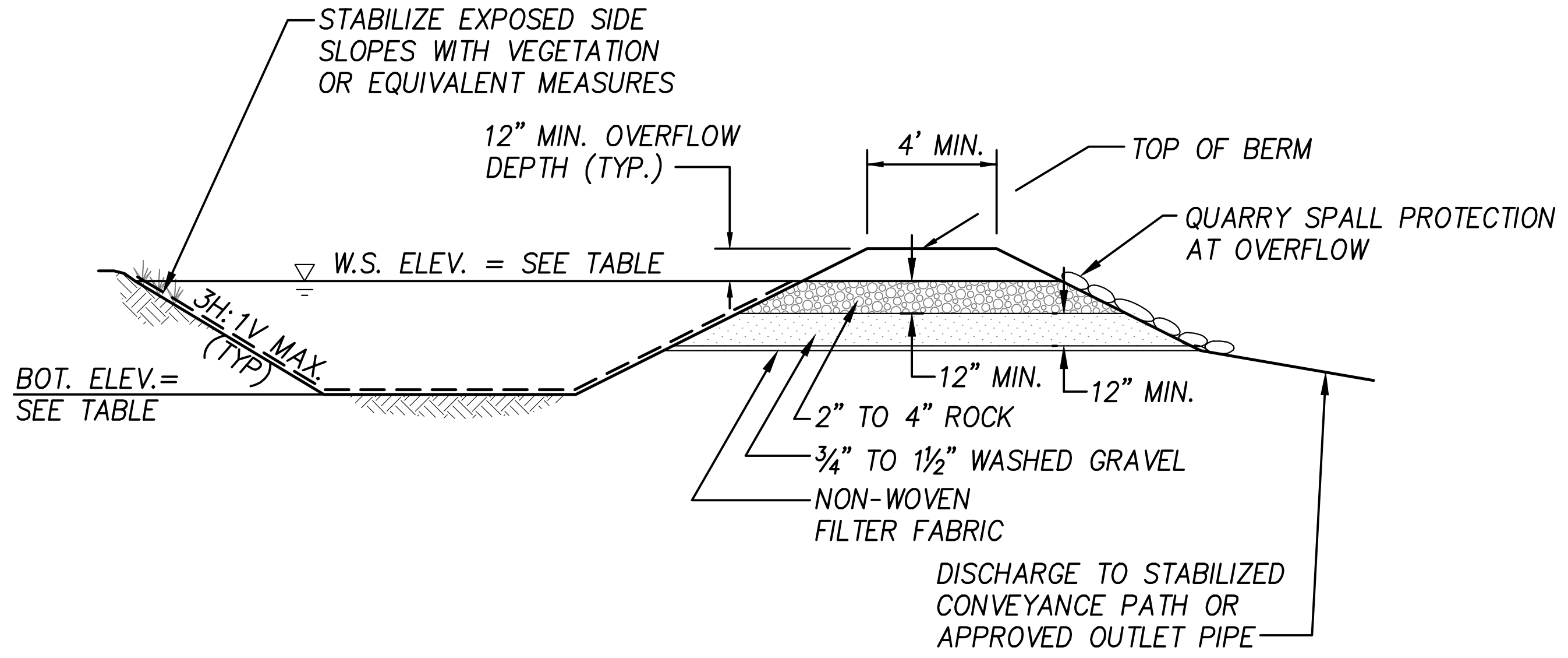
NOTE:
DRIVEWAYS SHALL BE PAVED TO THE EDGE OF ROW PRIOR TO INSTALLATION OF THE CONSTRUCTION ENTRANCE TO AVOID DAMAGING OF THE ROADWAY. IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS OFF THE PAD.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



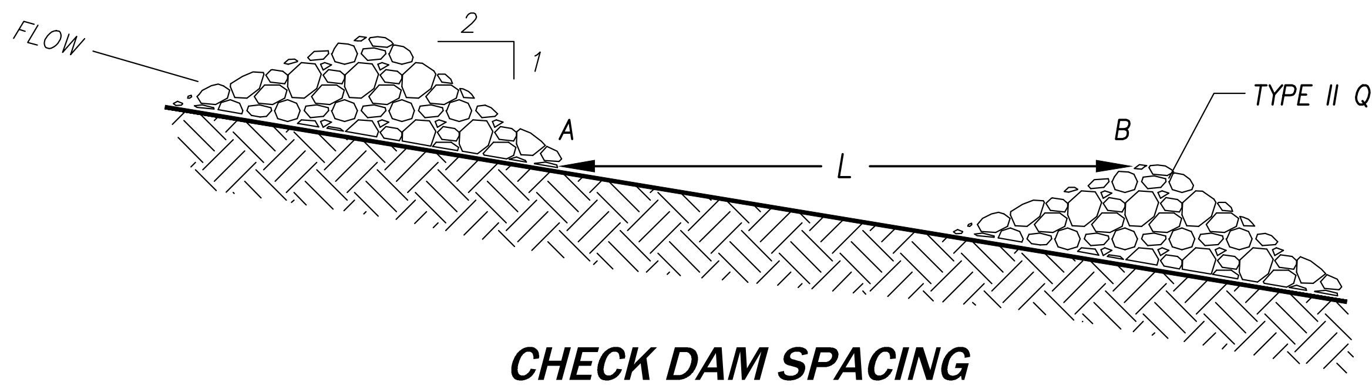
OUTLET



SECTION

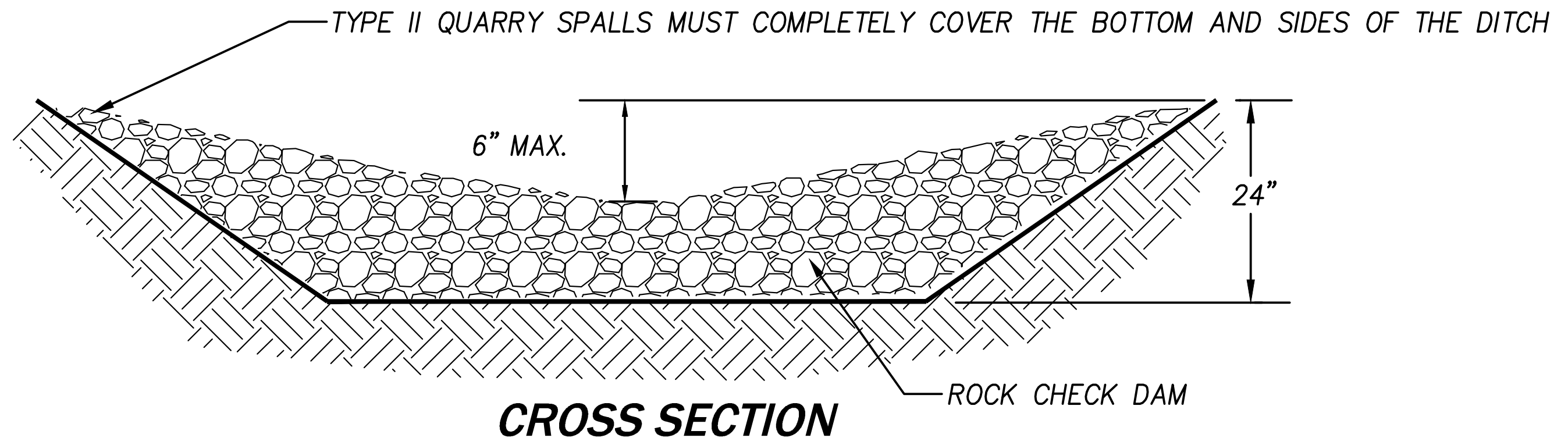
TEMPORARY SEDIMENT POND

NOT TO SCALE



CHECK DAM SPACING

L=THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION



CROSS SECTION

ROCK CHECK DAM

NOT TO SCALE

WEST SEDIMENT POND SUMMARY TABLE

FACILITY NO.	IMPERVIOUS (AC.)	PERVIOUS (AC.)	TOTAL (AC.)	DESIGN Q_{10} (CFS)	MINIMUM WATER SURFACE AREA (SF)	W.S. ELEV. (FT.)	BOT. ELEV. (FT.)
WEST SED. POND	14.51	2.54	17.05	9.83	20,452	697.00	695.00

EAST SEDIMENT POND SUMMARY TABLE

FACILITY NO.	IMPERVIOUS (AC.)	PERVIOUS (AC.)	TOTAL (AC.)	DESIGN Q_{10} (CFS)	MINIMUM WATER SURFACE AREA (SF)	W.S. ELEV. (FT.)	BOT. ELEV. (FT.)
EAST SED. POND	26.90	3.97	30.87	18.14	37,732	697.00	695.00

NOTES:
1. SQUARE FOOTAGE REQUIREMENT SHOWN AT WEIR WATER SURFACE ELEVATION.
2. POND MAY BE FORMED BY BERM OR BY PARTIAL OR COMPLETE EXCAVATION.
3. CONTRACTOR MAY PROPOSE ABOVE-GRADE TANK SYSTEM W/PUMP INTAKE AND OUTLET OR SIMILAR MANUFACTURED SEDIMENT REMOVAL/SETTLING SYSTEM EQUIVALENT TO THE DESIGN CAPACITY AND PERFORMANCE OF THE TYPICAL SEDIMENT POND FOR APPROVAL BY ENGINEER.

811
Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
TESC DETAILS
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

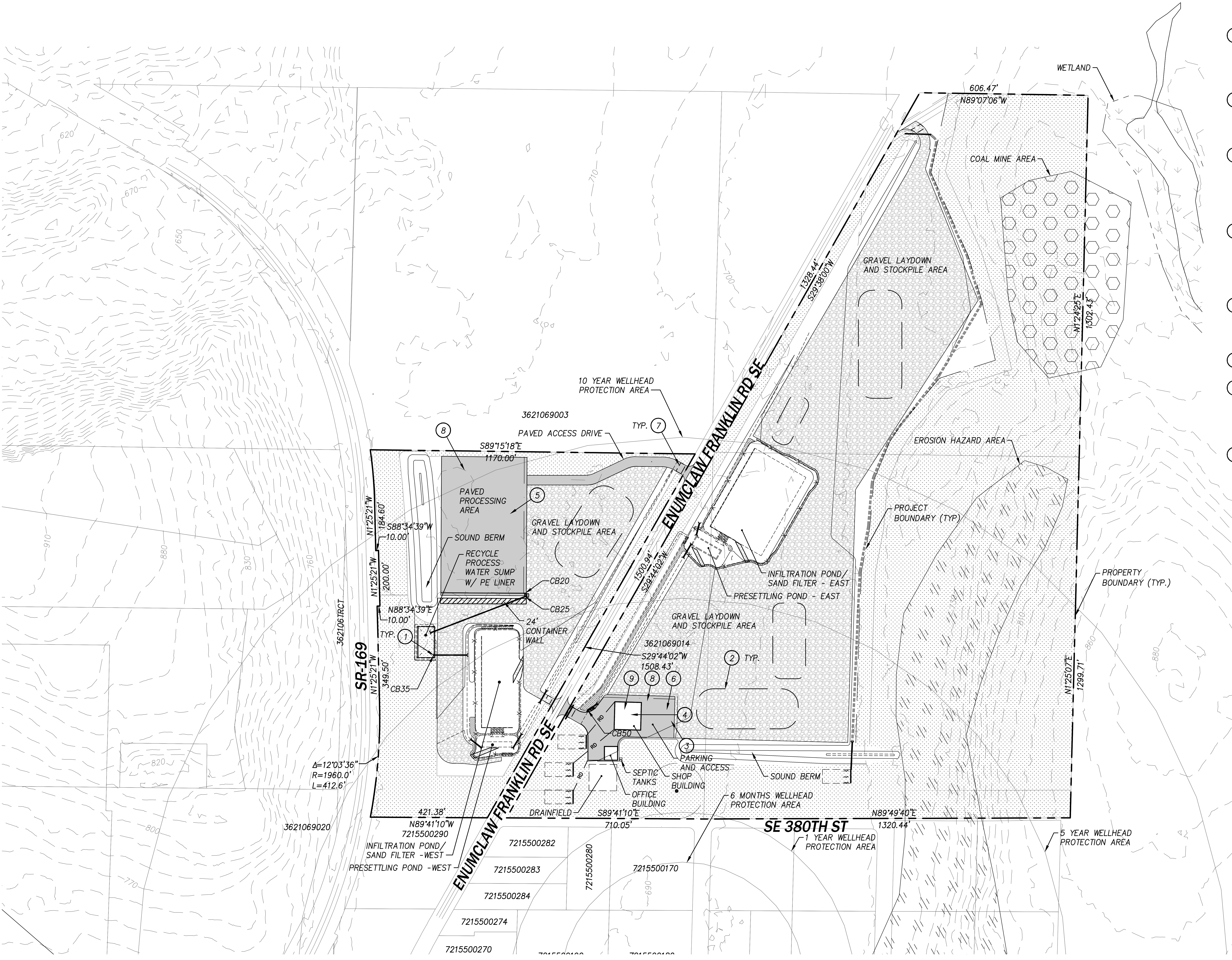
DRAWING
C1.100

SHEET 11 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C1.101.dwg
5/31/2018 12:13 PM PETER EVANS

TBLOCK
CSIT1641701
OTOP1641701
CGRD1641701
CUSD1641701
OLIDAR1641701
OGIS1641701

SEC. 36, TWP 21 N, R6E W.M.



CONSTRUCTION NOTES

① A-1: REQUIRED BEST MANAGEMENT PRACTICES FOR ALL PROPERTIES WITH COMMERCIAL ACTIVITIES:
- CLEAN AND MAINTAIN STORM DRAINAGE SYSTEM
- LABEL ALL STORM DRAIN INLETS ON THE PROPERTY
- ELIMINATE ILLICIT CONNECTIONS TO THE STORM DRAINAGE SYSTEM

② A-4: OUTDOOR STORAGE OF SOIL, SAND, AND OTHER ERODIBLE MATERIALS, SEE NOTE 1:
- COVER AND CONTAIN STOCKPILED MATERIALS, COVERS MUST IN PLACE AT ALL TIMES WHEN THE STOCKPILE IS NOT IN ACTIVE USE
- DO NOT HOSE DOWN THE CONTAINED STOCKPILE AREA
- IMPLEMENT EROSION CONTROL PRACTICES IF THE STOCKPILES CANNOT FEASIBLY BE COVERED AND CONTAINED

③ A-13: VEHICLE WASHING AND STEAM CLEANING, SEE NOTE 2:
- CAR WASHING MUST BE DONE IN A CONTAINED AREA WHERE ALL WATER IS COLLECTED AND EITHER RECYCLED OR DISCHARGED TO THE SANITARY SEWER
- DO NOT CONDUCT OIL CHANGES OR OTHER ENGINE MAINTENANCE IN THE DESIGNATED WASHING AREA

④ A-18: VEHICLE AND EQUIPMENT REPAIR AND MAINTENANCE:
- ALL INCOMING VEHICLES AND EQUIPMENT ARE TO BE INSPECTED FOR LEAKS AND USE DRIP PANS/ABSORBENT MATERIAL IF NECESSARY WHILE WAITING FOR SERVICE.
- WORK MAY ONLY BE DONE IN AN INDOOR OR COVERED AREA, WASTE OIL, ANTIFREEZE AND OTHER FLUIDS MUST BE COVERED AND CONTAINED.
- ROUTINE INSPECTIONS WILL BE REQUIRED DAILY TO CHECK FOR LEAKS.

⑤ A-24: COMMERCIAL COMPOSTING:
- SCREEN INCOMING WASTE FOR DANGEROUS MATERIALS AND SOLID WASTE.
- DRAIN ALL LEACHATE FROM COMPOSTING OPERATIONS TO A SANITARY SEWER, HOLDING TANK, OR ON-SITE TREATMENT SYSTEM.
- COLLECT THE LEACHATE WITH A DIKE OR BERM, OR INTERCEPTING DRAINS PLACED ON THE DOWN SLOPE SIDE OF THE COMPOST AREA
- DIRECT OUTSIDE RUNOFF AWAY FROM THE COMPOSTING AREAS

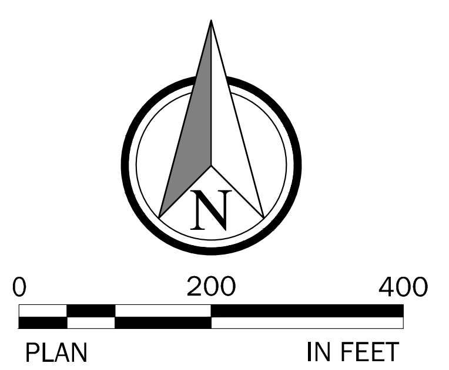
⑥ A-31: VEHICLE AND EQUIPMENT PARKING AND STORAGE:
- SWEEP PARKING LOTS, STORAGE AREAS, AND DRIVEWAY AS NEEDED TO COLLECT DIRT, WASTE, AND DEBRIS.
- COLLECT AND DISCHARGE WAS WATER TO A SANITARY SEWER OR HAUL FOR OFFSITE DISPOSAL IF WASHING OF THE LOT OCCURS.

⑦ A-41: WHEEL WASH AND TIRE BATH TRACK OUT CONTROL, APPROX. LOCATION SHOWN:
- INSTALL A PORTABLE OR PERMANENT WHEEL WASH SYSTEM

⑧ A-44: DUST CONTROL FOR COMMERCIAL OPERATIONS:
- SWEEPING AND VACUUMING TO MINIMIZE GENERATION OF AIRBORNE DUST
- CLEAN EQUIPMENT/VEHICLES THAT LEAVE THE PROPERTY TO PREVENT DUST/TRACK OUT OF MATERIAL
- TRAIN EMPLOYEES IN THE PROPER OPERATING PROCEDURES TO MINIMIZE DUST ACCUMULATION

⑨ A-48: MOBILE FUELING OF VEHICLES AND HEAVY EQUIPMENT:
- LOCATE FUELING AT LEAST 25 FEET FROM NEAREST STORMDRAIN OR DRAINAGE DITCH
- PLACE DRIP PAN OR ABSORBENT PAD UNDER EACH FUELING LOCATION
- DO NOT TOP OFF FUEL TANKS
- DO NOT USE DISPERSANTS OR SOAP TO CLEAN UP SPILLS OR SHEENS

NOTES:
1. OUTDOOR STORAGE LOCATIONS TO BE DOCUMENTED REGULARLY BY OPERATOR, APPROX. LOCATIONS SHOWN
2. VEHICLES AND EQUIPMENT WILL BE WASHED IN A DESIGNATED AREA BY A PRIVATE CONTRACTOR AND WASH WATER WILL BE COLLECTED BY THE WASH COMPANY AND DISPOSED OF OFF-SITE.
3. FOR ADDITIONAL INFORMATION REGARDING SOURCE CONTROL BMP'S SEE APPENDIX D OF THE TIR



811
Know what's below.
Call before you dig.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C2.00.dwg
5/31/2018 12:13 PM PETER EVANS

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
SOURCE CONTROL BMP PLAN
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

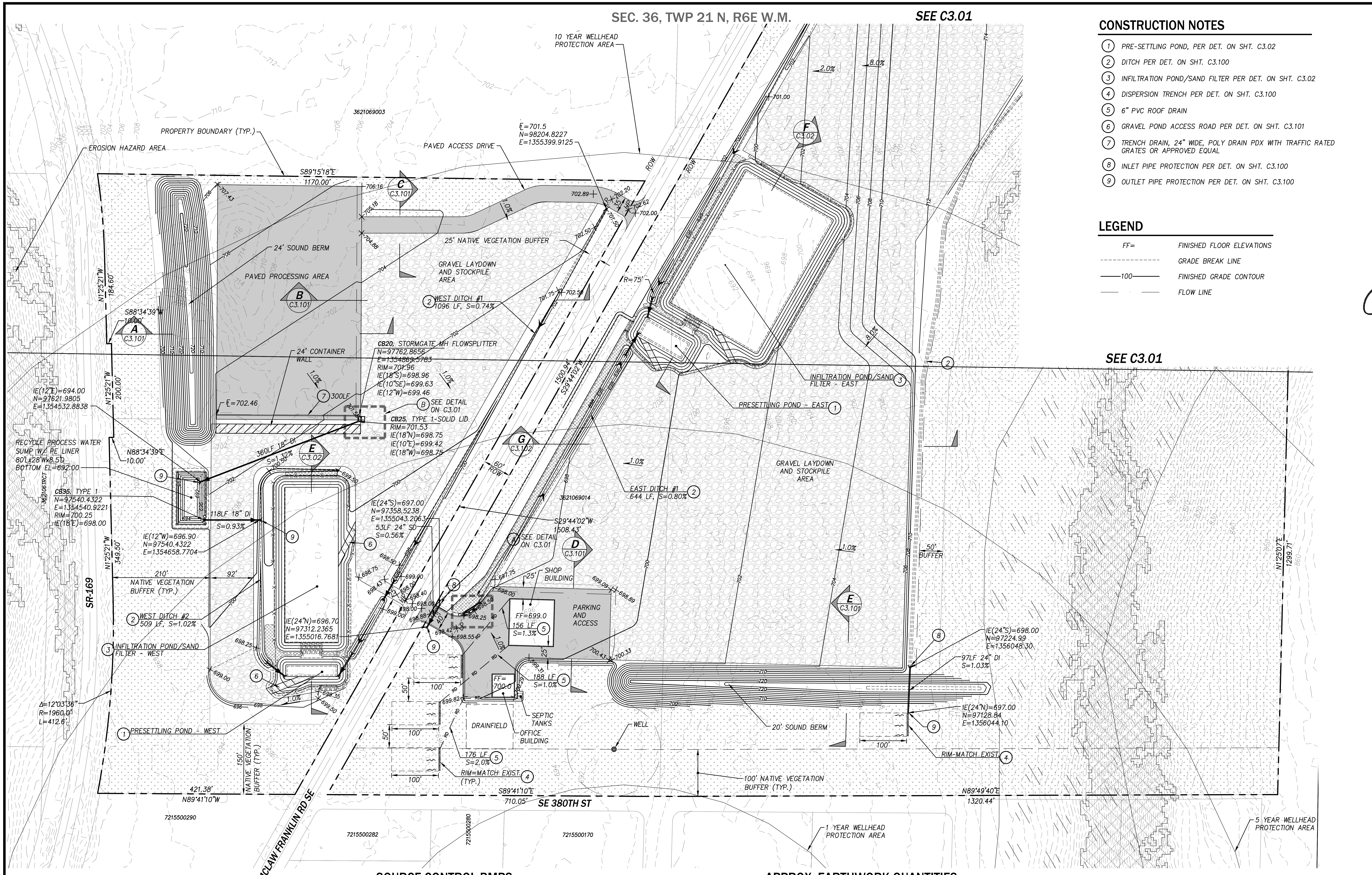
CPH CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C2.00

SHEET 12 OF 20

TBLOCK
CSIT1641701
OTOP1641701
CCRD1641701
CUSD1641701
OLIDAR1641701
OGIS1641701



CONSTRUCTION NOTES

① PRE-SETTLING POND, PER DET. ON SHT. C3.02
② DITCH PER DET. ON SHT. C3.100
③ INFILTRATION POND/SAND FILTER PER DET. ON SHT. C3.02
④ DISPERSION TRENCH PER DET. ON SHT. C3.100
⑤ 6" PVC ROOF DRAIN
⑥ GRAVEL POND ACCESS ROAD PER DET. ON SHT. C3.101
⑦ TRENCH DRAIN, 24" WIDE, POLY DRAIN PDX WITH TRAFFIC RATED GRATES OR APPROVED EQUAL
⑧ INLET PIPE PROTECTION PER DET. ON SHT. C3.100
⑨ OUTLET PIPE PROTECTION PER DET. ON SHT. C3.100

LEGEND

FF=	FINISHED FLOOR ELEVATIONS
- - - - - - -	GRADE BREAK LINE
——100——	FINISHED GRADE CONTOUR
—— · ——	FLOW LINE

SOURCE CONTROL BMPS

THE FOLLOWING SOURCE CONTROL BMPS ARE PROPOSED TO BE USED ON-SITE TO MEET SPECIAL REQUIREMENT #4 AS DESCRIBED IN SECTION 1.3.4 OF THE 2016 KCSWDM:

A-1: REQUIRED BMPS FOR ALL PROPERTIES WITH COMMERCIAL ACTIVITIES
A-2: OUTDOOR STORAGE OF FLUID MATERIALS IN STATIONARY TANKS
A-4: OUTDOOR STORAGE OF SOIL, SAND, AND OTHER ERODIBLE MATERIALS
A-13: VEHICLE WASHING AND STEAM CLEANING
A-24: COMMERCIAL COMPOSTING
A-41: WHEEL WASH AND TIRE BATH TRACK OUT CONTROL
A-44: DUST CONTROL FOR COMMERCIAL OPPERATIONS

APPROX. EARTHWORK QUANTITIES

EARTHWORK QUANTITIES WERE ESTIMATED USING A GRID VOLUME METHOD AND AUTODESK AUTOCAD CIVIL3D SOFTWARE. THE FOLLOWING VALUES ARE APPROXIMATE AND PROVIDED TO ILLUSTRATE GENERAL EARTHWORK EFFORTS BASED ON AVAILABLE SURVEY AND DESIGN DATA EXCLUDING ESTIMATES OF ANY VAULT, FOUNDATION, AND PAVEMENT QUANTITIES:

FILL: 90,018 CY
CUT: 82,509 CY
NET: 7,509 CY(FILL)

THESE VALUES ARE NOT FOR CONSTRUCTION BID PURPOSES. THE CONTRACTOR SHALL USE THEIR OWN MEANS AND METHODS TO ESTIMATE EARTHWORK QUANTITIES.

811
Know what's **below.**
Call before you dig.

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
OVERALL GRADING AND DRAINAGE

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

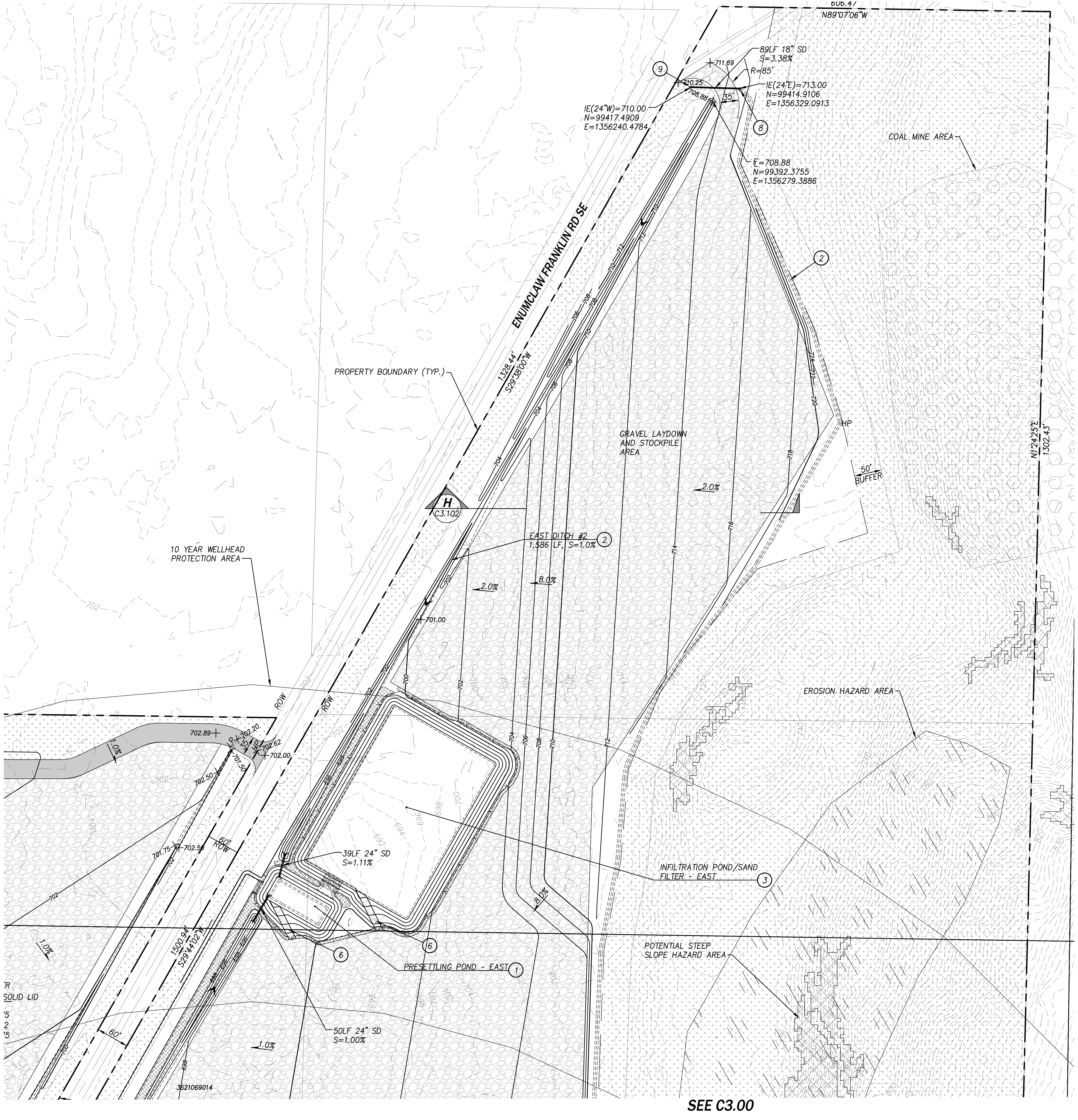
DRAWING
C3.00

SHEET 13 OF 20

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.00.dwg
5/31/2018 12:14 PM PETER EVANS

TBLOCK
CSIT1641701
OTOP1641701
CGRD1641701
CUSD1641701
OLIDAR1641701
OGIS1641701

SEC. 36, TWP 21 N, R6E W.M.



CONSTRUCTION NOTES

- ① PRE-SETTLING POND, PER DET. ON SHT. C3.02
- ② DITCH PER DET. ON SHT. C3.100
- ③ INFILTRATION POND/SAND FILTER PER DET. ON SHT. C3.02
- ④ DISPERSION TRENCH PER DET. ON SHT. C3.100
- ⑤ 6" PVC ROOF DRAIN
- ⑥ GRAVEL POND ACCESS ROAD PER DET. ON SHT. C3.101
- ⑦ TRENCH DRAIN, 24" WIDE, POLY DRAIN PDX WITH TRAFFIC RATED GRATES OR APPROVED EQUAL
- ⑧ INLET PIPE PROTECTION PER DET. ON SHT. C3.100
- ⑨ OUTLET PIPE PROTECTION PER DET. ON SHT. C3.100

LEGEND

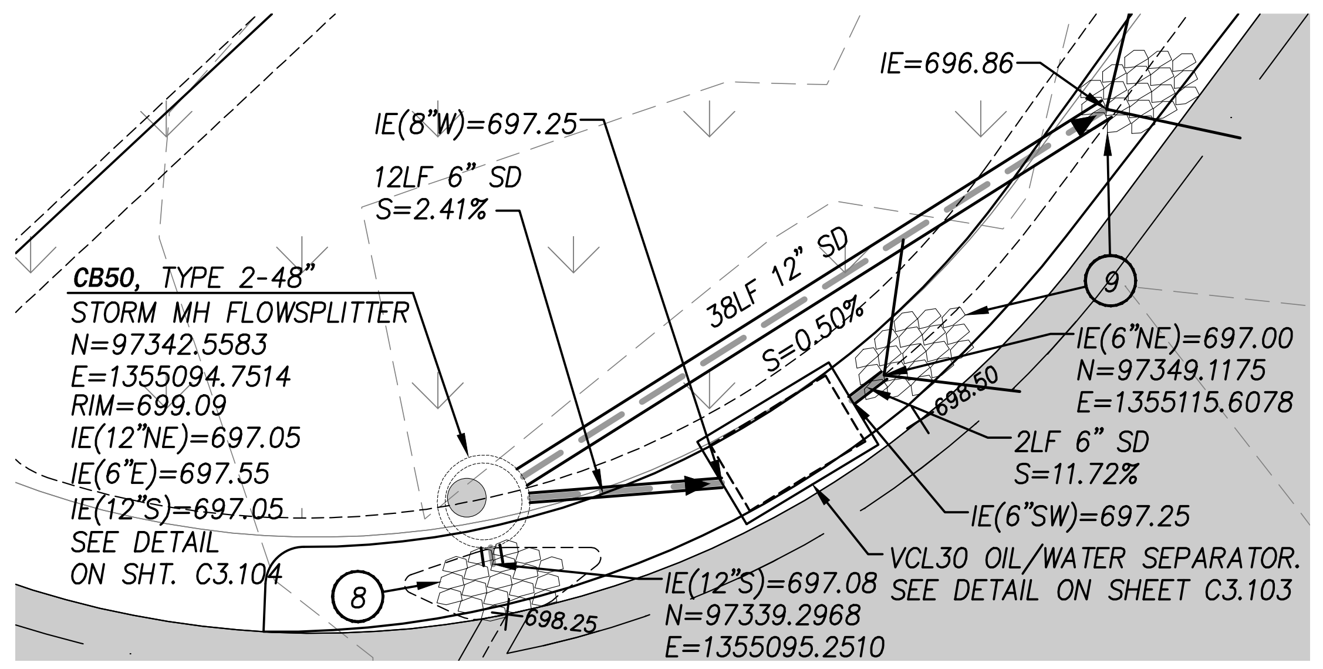
FF=	FINISHED FLOOR ELEVATIONS
- - - - - - -	GRADE BREAK LINE
——100——	FINISHED GRADE CONTOUR
— · —	FLOW LINE

APPROX. EARTHWORK QUANTITIES

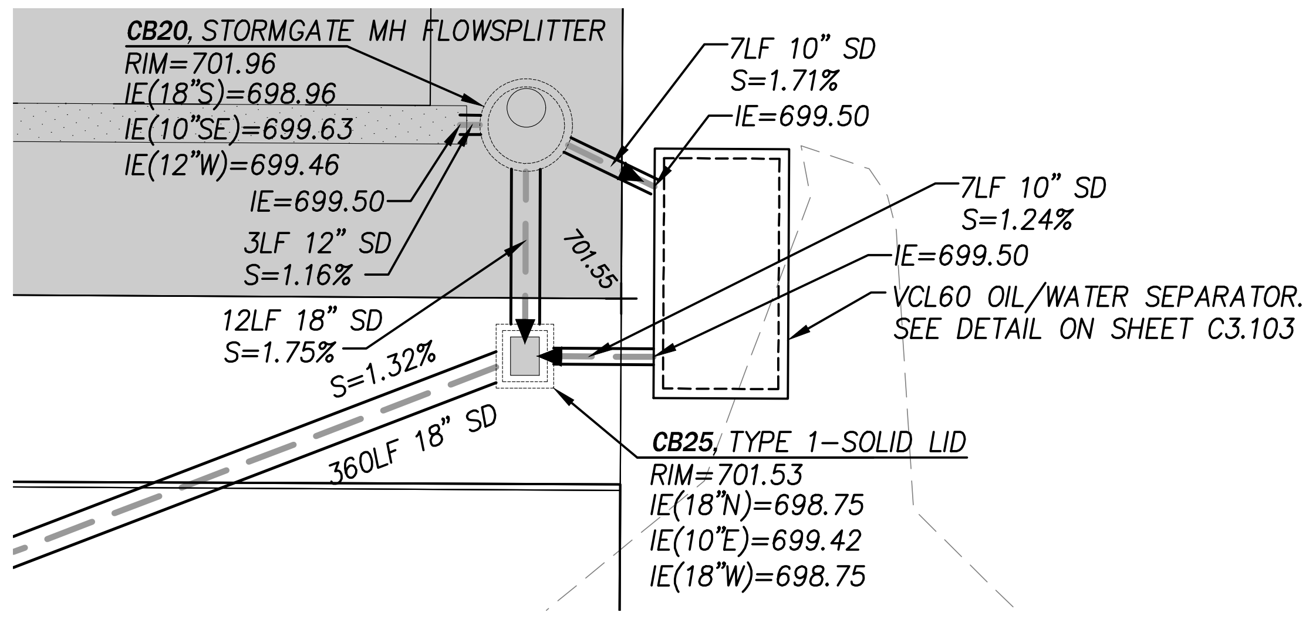
EARTHWORK QUANTITIES WERE ESTIMATED USING A GRID VOLUME METHOD AND AUTODESK AUTOCAD CIVIL3D SOFTWARE. THE FOLLOWING VALUES ARE APPROXIMATE AND PROVIDED TO ILLUSTRATE GENERAL EARTHWORK EFFORTS BASED ON AVAILABLE SURVEY AND DESIGN DATA EXCLUDING ESTIMATES OF ANY VAULT, FOUNDATION, AND PAVEMENT QUANTITIES:

FILL: 90,018 CY
CUT: 82,509 CY
NET: 7,509 CY(FILL)

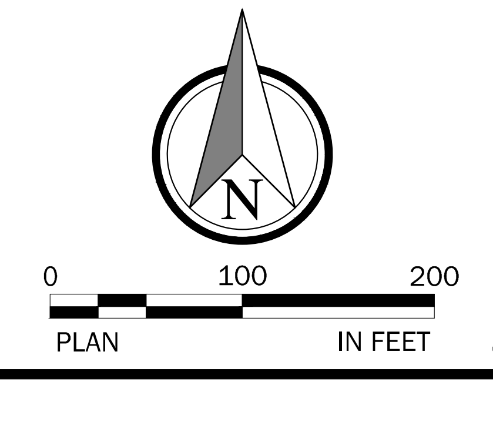
THESE VALUES ARE NOT FOR CONSTRUCTION BID PURPOSES. THE CONTRACTOR SHALL USE THEIR OWN MEANS AND METHODS TO ESTIMATE EARTHWORK QUANTITIES.



A/C3.00 DETAIL
1"=10'



B/C3.00 DETAIL
1"=10'



811
Know what's below.
Call before you dig.

NO.	DATE	REVISION	BY	CK.
1	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
STATE OF WASHINGTON
37610
REGISTERED PROFESSIONAL ENGINEER
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
OVERALL GRADING AND DRAINAGE
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C3.01

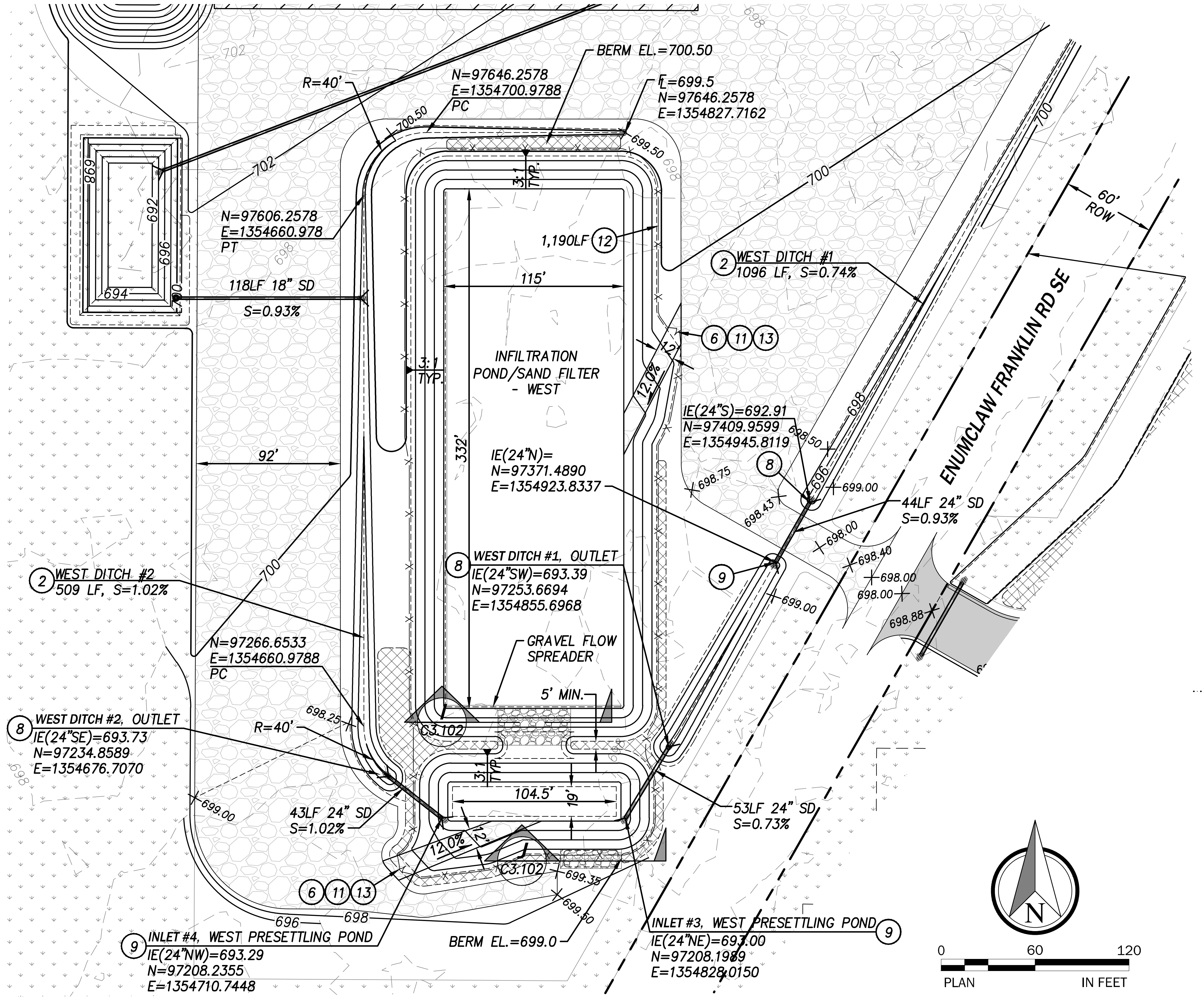
SHEET 14 OF 20

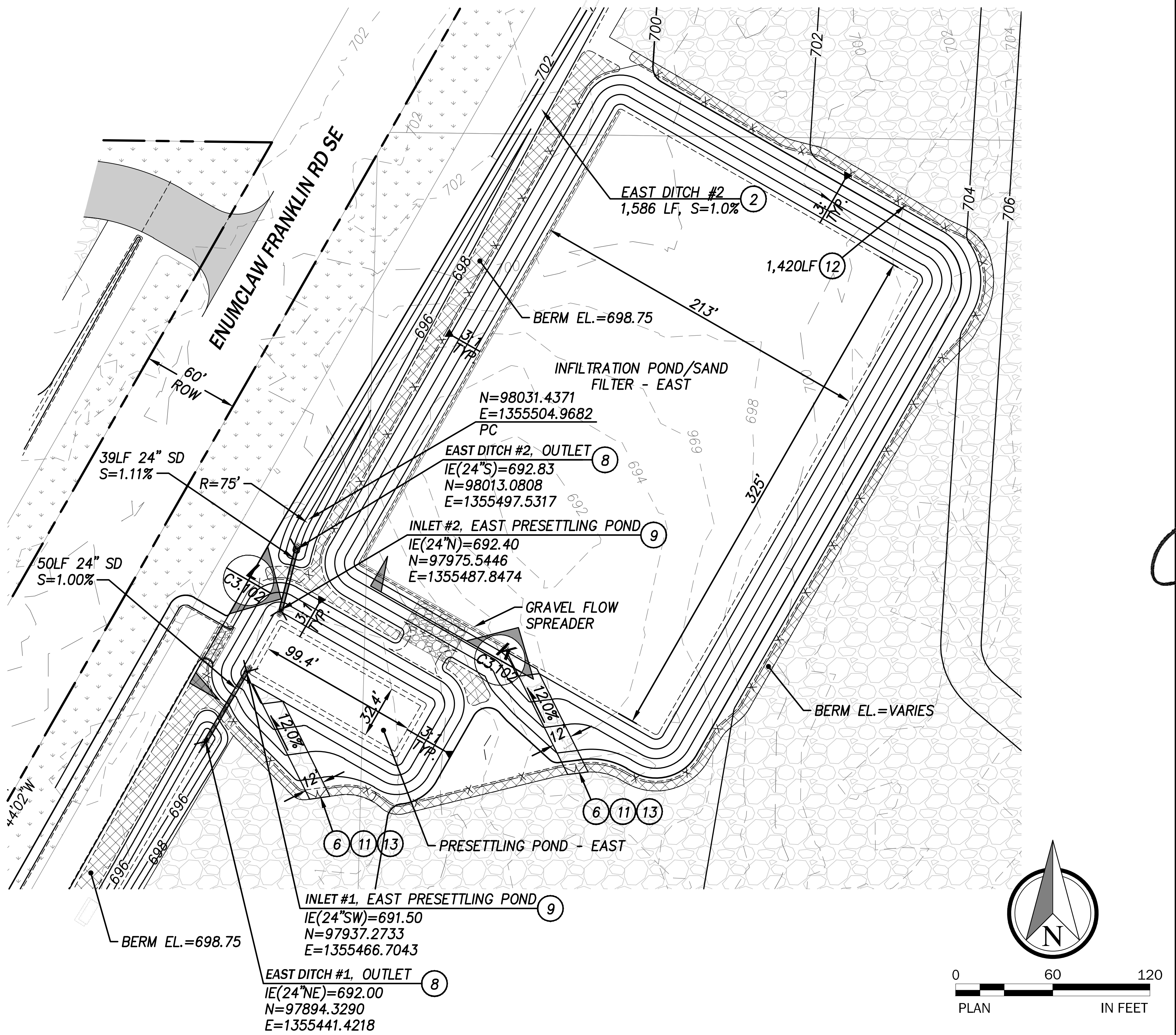
P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.01.dwg
5/31/2018 12:14 PM PETER EVANS

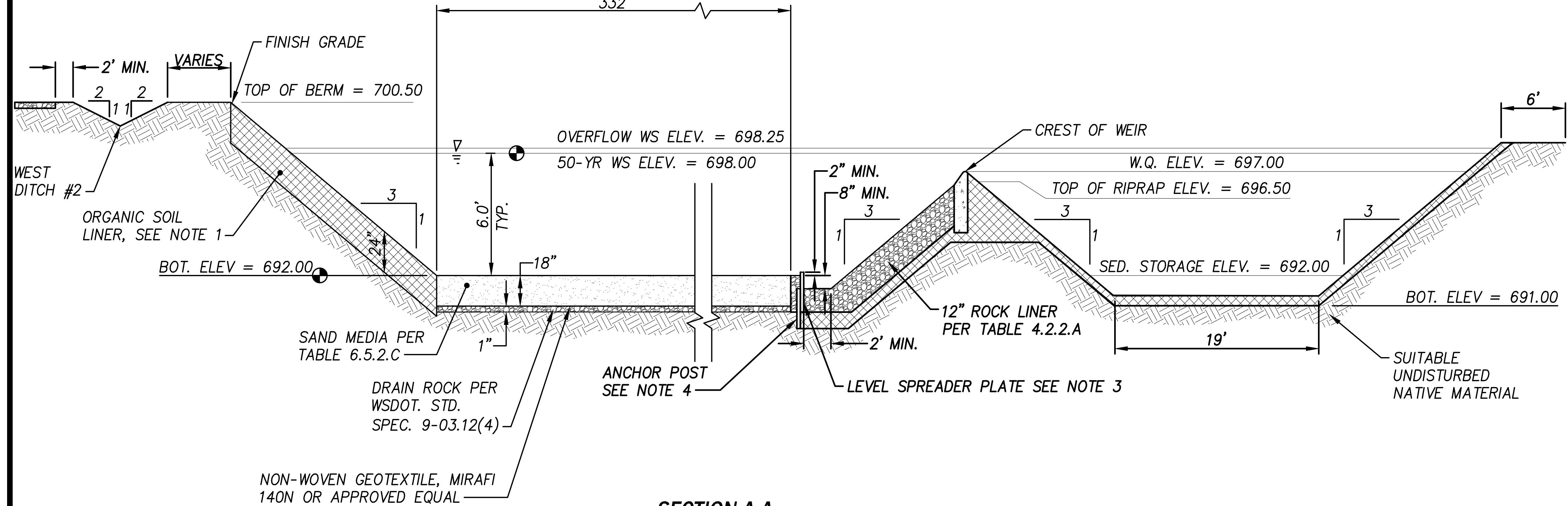
TBLOCK
CGRD1641701
CSIT1641701
OTOP1641701
CUSD1641701
OLIDAR1641701

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.02.dwg
5/31/2018 12:15 PM PETER EVANS

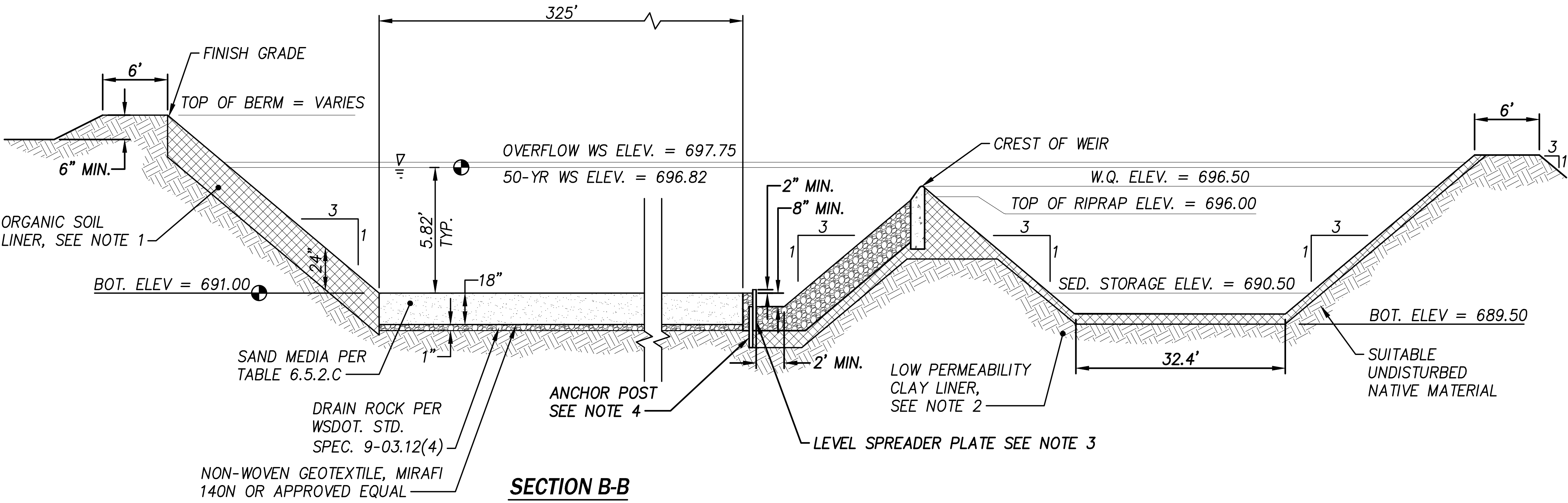
SEC. 36, TWP 21 N, R6E W.M.







SECTION A-A



SECTION B-B

(E / C3.00) INFILTRATION POND/SAND FILTER - WEST

NOT TO SCALE

(F / C3.00) INFILTRATION POND/SAND FILTER - EAST

NOT TO SCALE

NOTES:

1. A TWO-FOOT THICK LAYER OF SOIL WITH A MINIMUM ORGANIC MATTER (OM) CONTENT OF 1.0% AND A MINIMUM CATION EXCHANGE CAPACITY (CEC) OF 8 MILLIEQUIVALENTS PER 100 GRAMS (MEQ/100G) SHALL BE USED AS A TREATMENT LAYER ALONG THE POND SIDE SLOPES AROUND PERIMETER OF POND UP TO THE TOP OF BERM ELEV. IF THE SOIL IS AMENDED OR IMPORTED, THE TOP 8 INCHES MUST HAVE A MINIMUM CATION EXCHANGE CAPACITY OF 10 MEQ/100G AND THE REMAINDER OF THE DEPTH NO LESS THAN 8 MEQ/100G.
2. A MINIMUM 12" THICK DRY (UNSWOLLEN) CLAY LINER SHALL BE USED AS A LOW PERMEABILITY LINER AND SHALL MEET THE FOLLOWING REQUIREMENTS:
   - COMPACTED TO 95% MINIMUM DRY DENSITY, STANDARD PROCTOR METHOD ASTM D-698
   - CLAY PARTICLES PASSING, ASTM D-422, NOT LESS THAN 30 PERCENT
   - PLASTICITY INDEX OF CLAY, ASTM D4318, NOT LESS THAN 15 PERCENT
3. FLOW SPREADER PLATE SHALL BE MADE OF EITHER WOOD, STAINLESS STEEL, OR FIBERGLASS REINFORCED PLASTIC. IF WOOD, UNTREATED 4"x10" CEDAR HEARTWOOD OR CEDAR LANDSCAPE TIMBERS.
4. ANCHOR POSTS SHALL BE TUBULAR STAINLESS.

TABLE 4.2.2.A ROCK PROTECTION OUTFALLS	
ROCK LINKING SHALL BE QUARRY SPALLS WITH GRADATION AS FOLLOWS	
PASSING 8-INCH SQUARE SIEVE	100%
PASSING 3-INCH SQUARE SIEVE	40 TO 60% MAX.
PASSING 3/4-INCH SQUARE SIEVE	0 TO 10% MAX.

TABLE 6.5.2.C - SAND MEDIA SPECIFICATIONS

U.S. SIEVE SIZE	PERCENT PASSING
#4	95 - 100
#8	70 - 100
#16	40 - 90
#30	25 - 75
#50	2 - 25
#100	0 - 4
#200	0 - 2

CONSTRUCTION NOTES

① PRE-SETTLING POND, PER DET. ON SHT. C3.02
② DITCH PER DET. ON SHT. C3.100
③ INFILTRATION POND/SAND FILTER PER DET. ON SHT. C3.02
④ DISPERSION TRENCH PER DET. ON SHT. C3.100
⑤ 6" PVC ROOF DRAIN
⑥ GRAVEL POND ACCESS ROAD PER DET. ON SHT. C3.101
⑦ TRENCH DRAIN, 24" WIDE, POLY DRAIN PDX WITH TRAFFIC RATED GRATES, O.A.E., INSTALLED PER
⑧ INLET PIPE PROTECTION PER DET. ON SHT. C3.100
⑨ OUTLET PIPE PROTECTION PER DET. ON SHT. C3.100
⑩ DEBRIS CAGE PER KCRS FIG. 7-028
⑪ 20' DRIVEWAY GATE FOR ACCESS DRIVE PER WSDOT STD. PLAN L-30.10-02
⑫ 6' BLACK VINYL COATED CHAIN LINK FENCE PER WSDOT STD. PLAN L-20.10-03
⑬ PERMANENT SURFACE WATER CONTROL POND SIGN

811
Know what's **below.**
Call before you dig.

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
POND PLAN AND DETAILS

KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C3.02

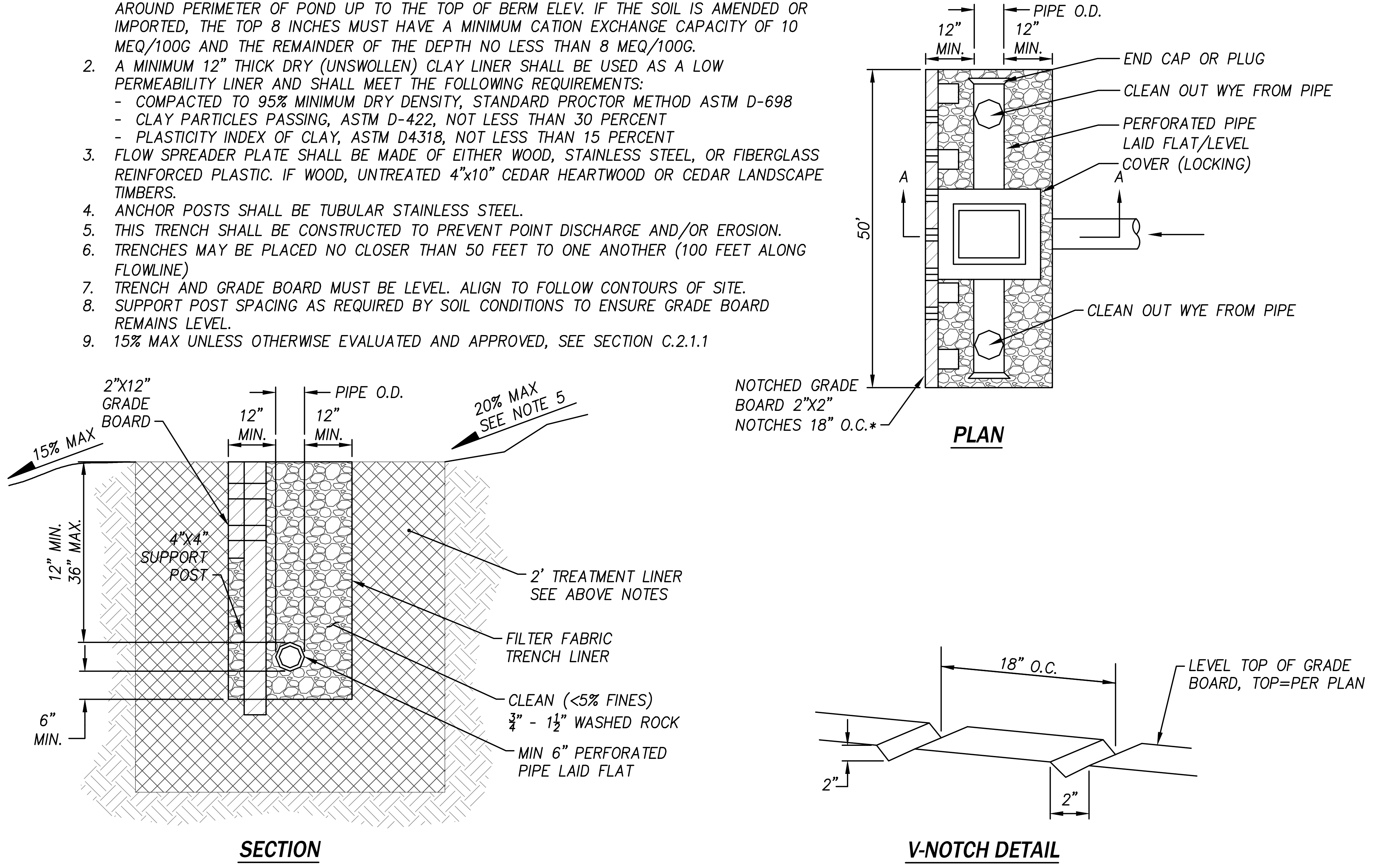
SHEET 15 OF 20

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.

NOTES:

1. A TWO-FOOT THICK LAYER OF SOIL WITH A MINIMUM ORGANIC MATTER (OM) CONTENT OF 1.0% AND A MINIMUM CATION EXCHANGE CAPACITY (CEC) OF 8 MILLIEQUIVALENTS PER 100 GRAMS (MEQ/100G) SHALL BE USED AS A TREATMENT LAYER ALONG THE POND SIDE SLOPES AROUND PERIMETER OF POND UP TO THE TOP OF BERM ELEV. IF THE SOIL IS AMENDED OR IMPORTED, THE TOP 8 INCHES MUST HAVE A MINIMUM CATION EXCHANGE CAPACITY OF 10 MEQ/100G AND THE REMAINDER OF THE DEPTH NO LESS THAN 8 MEQ/100G.
2. A MINIMUM 12" THICK DRY (UNSWOLLEN) CLAY LINER SHALL BE USED AS A LOW PERMEABILITY LINER AND SHALL MEET THE FOLLOWING REQUIREMENTS:
    - COMPACTED TO 95% MINIMUM DRY DENSITY, STANDARD PROCTOR METHOD ASTM D-698
    - CLAY PARTICLES PASSING, ASTM D-422, NOT LESS THAN 30 PERCENT
    - PLASTICITY INDEX OF CLAY, ASTM D4318, NOT LESS THAN 15 PERCENT
3. FLOW SPREADER PLATE SHALL BE MADE OF EITHER WOOD, STAINLESS STEEL, OR FIBERGLASS REINFORCED PLASTIC. IF WOOD, UNTREATED 4"x10" CEDAR HEARTWOOD OR CEDAR LANDSCAPE TIMBERS.
4. ANCHOR POSTS SHALL BE TUBULAR STAINLESS STEEL.
5. THIS TRENCH SHALL BE CONSTRUCTED TO PREVENT POINT DISCHARGE AND/OR EROSION.
6. TRENCHES MAY BE PLACED NO CLOSER THAN 50 FEET TO ONE ANOTHER (100 FEET ALONG FLOWLINE)
7. TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS OF SITE.
8. SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL.
9. 15% MAX UNLESS OTHERWISE EVALUATED AND APPROVED, SEE SECTION C.2.1.1



TYPICAL GRAVEL DISPERSION TRENCH

NOT TO SCALE

NOTES:

A LOW PERMEABILITY LINER SHALL BE PLACED ALONG THE FULL LENGTH OF ALL CONVEYANCE DITCHES THAT DISCHARGE TO A PRESETTLING POND AND SHALL MEET THE FOLLOWING REQUIREMENTS:

COMPACTED TILL LINER

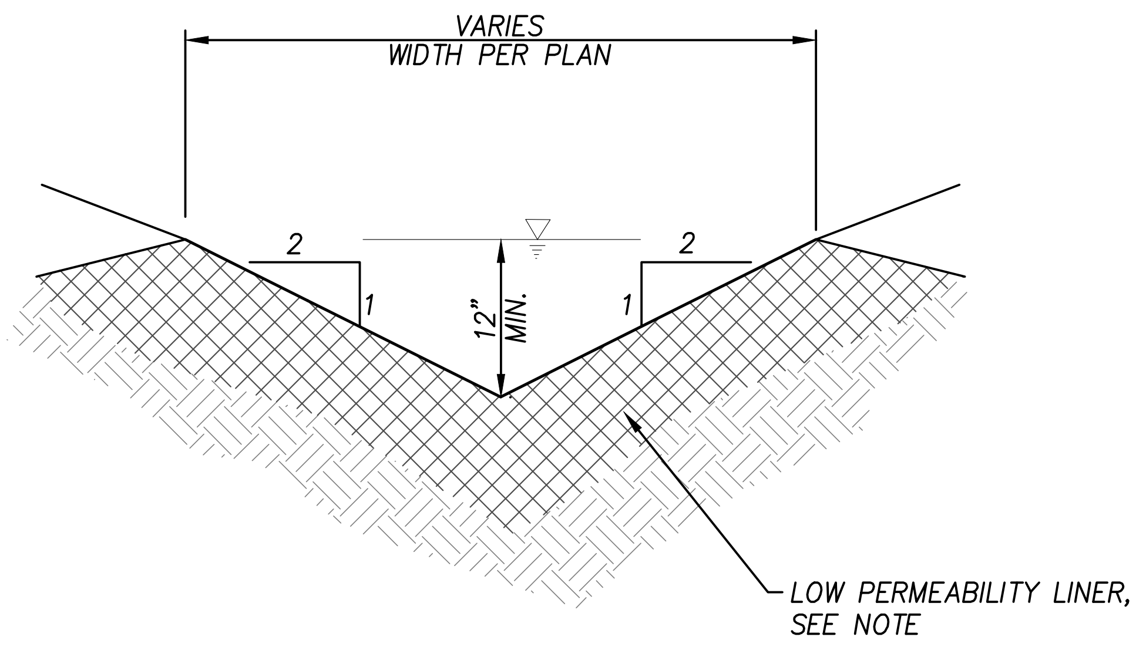
- LINER THICKNESS SHALL BE 18 INCHES AFTER COMPACTION
- SOIL SHALL BE COMPACTED TO 95% MINIMUM DRY DENSITY, MODIFIED PROCTOR METHOD (ASTM D-1557)
- SOIL SHALL BE PLACED IN 6 INCH LIFTS
- SOILS MAY BE USED THAT MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
6 INCH	100
4 INCH	90
#4	70-100
#200	30-100

OR,

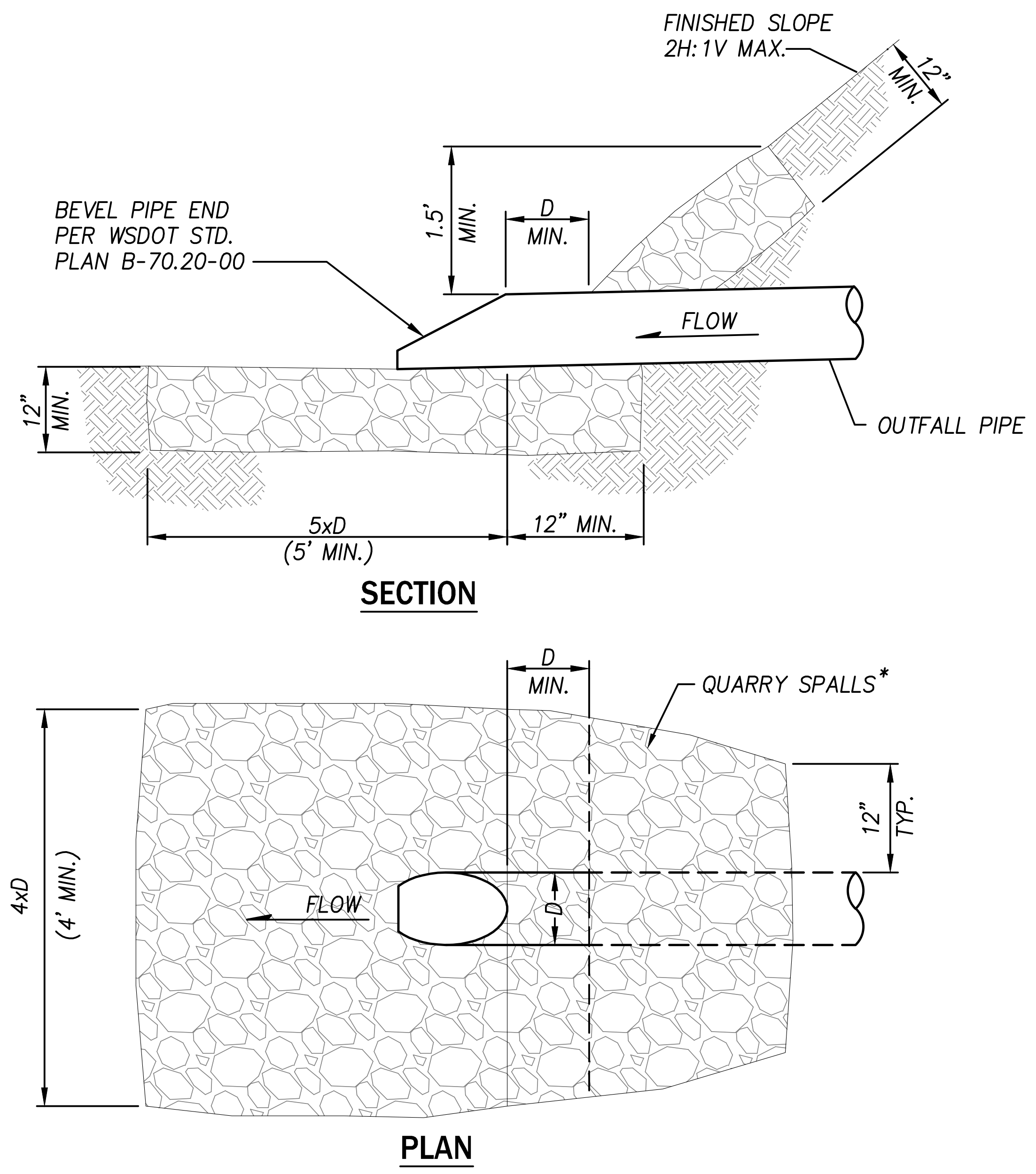
CLAY LINER

- MINIMUM DRY (UN-SWOLLEN) THICKNESS OF 12 INCHES
- COMPACTED TO 95% MINIMUM DRY DENSITY, STANDARD PROCTOR METHOD ASTM D-698
- CLAY PARTICLES PASSING, ASTM D-422, NOT LESS THAN 30 PERCENT
- PLASTICITY INDEX OF CLAY, ASTM D4318, NOT LESS THAN 15 PERCENT
- THE SLOPE OF CLAY LINERS MUST BE RESTRICTED TO 3H:1V FOR ALL AREAS REQUIRING SOIL COVER; OTHERWISE, THE SOIL LAYER MUST BE STABILIZED BY ANOTHER METHOD SO THAT SOIL SLIPPAGE INTO THE FACILITY DOES NOT OCCUR. ANY ALTERNATIVE SOIL STABILIZATION METHOD MUST TAKE MAINTENANCE ACCESS INTO CONSIDERATION.



TYPICAL DITCH SECTION

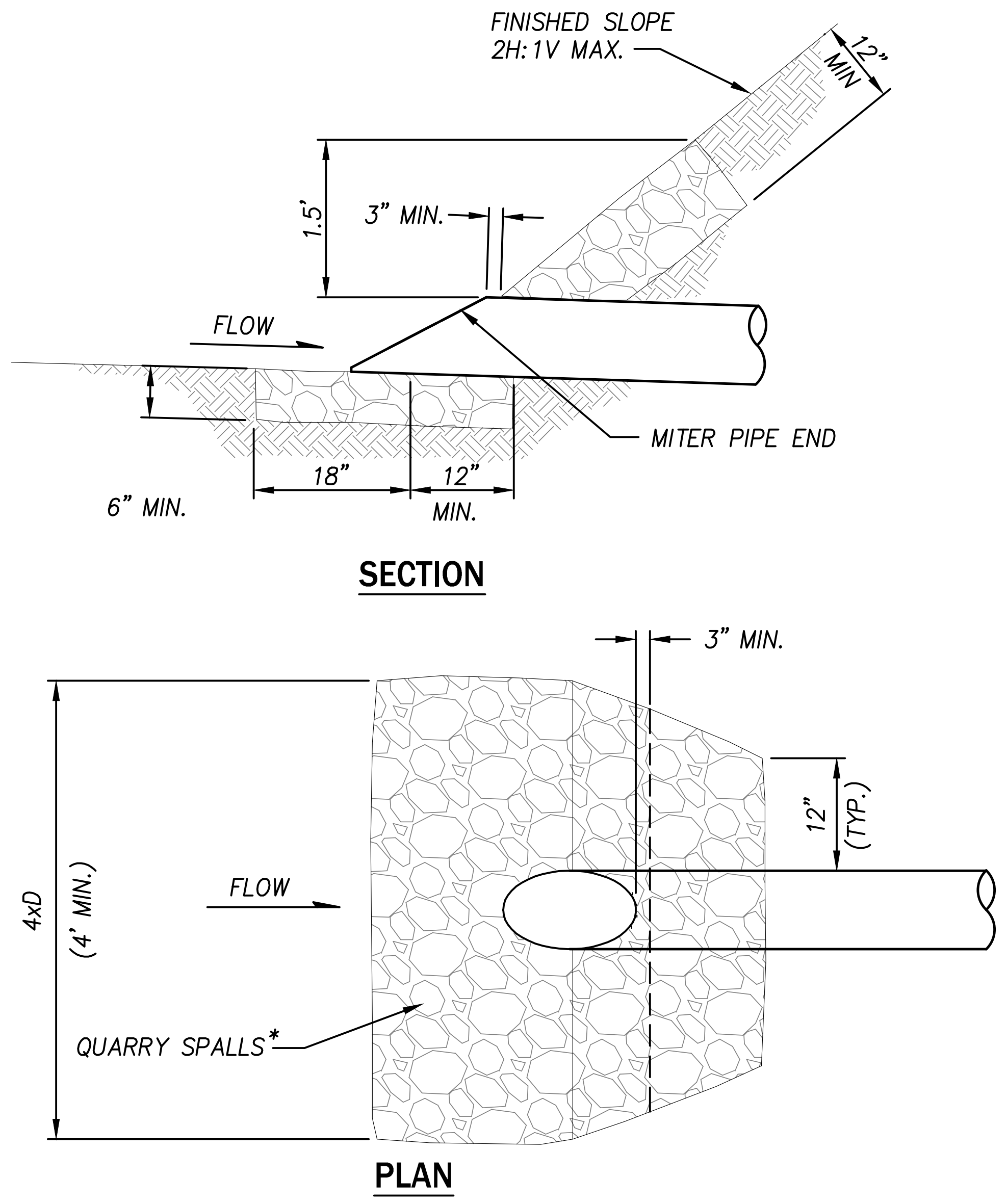
NOT TO SCALE



* QUARRY SPALLS MATERIALS PER WSDOT 9-13.6

PIPE OUTLET PROTECTION

NOT TO SCALE



* QUARRY SPALLS MATERIALS PER WSDOT 9-13.6

PIPE INLET PROTECTION

NOT TO SCALE

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
GRADING AND DRAINAGE DETAILS

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

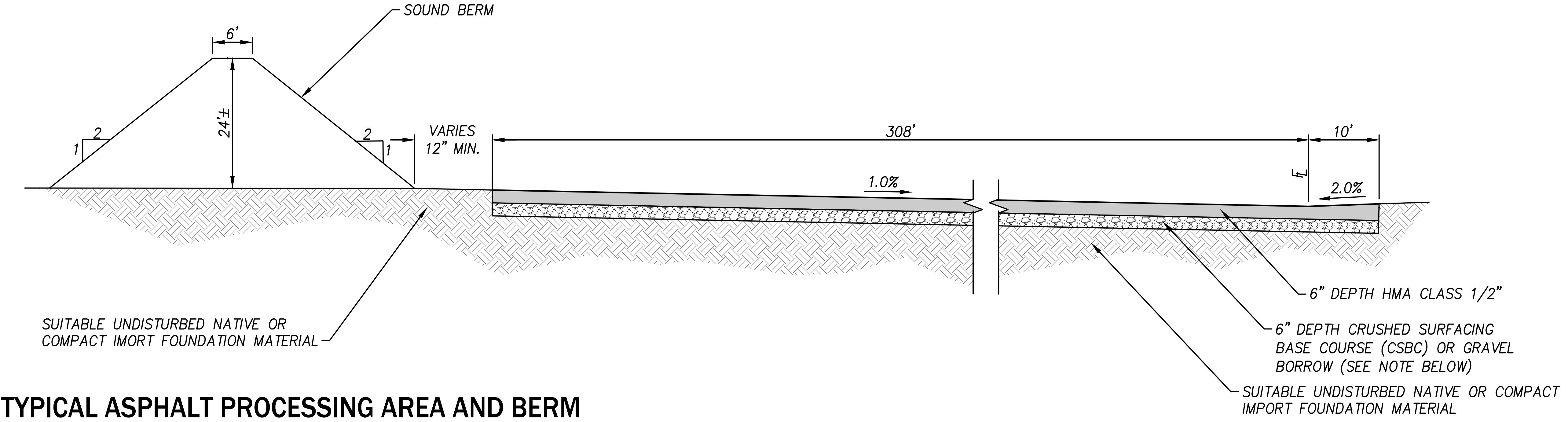
PROJECT NO.
0164-17-001

DRAWING
C3.100

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.100.dwg
5/31/2018 12:15 PM PETER EVANS

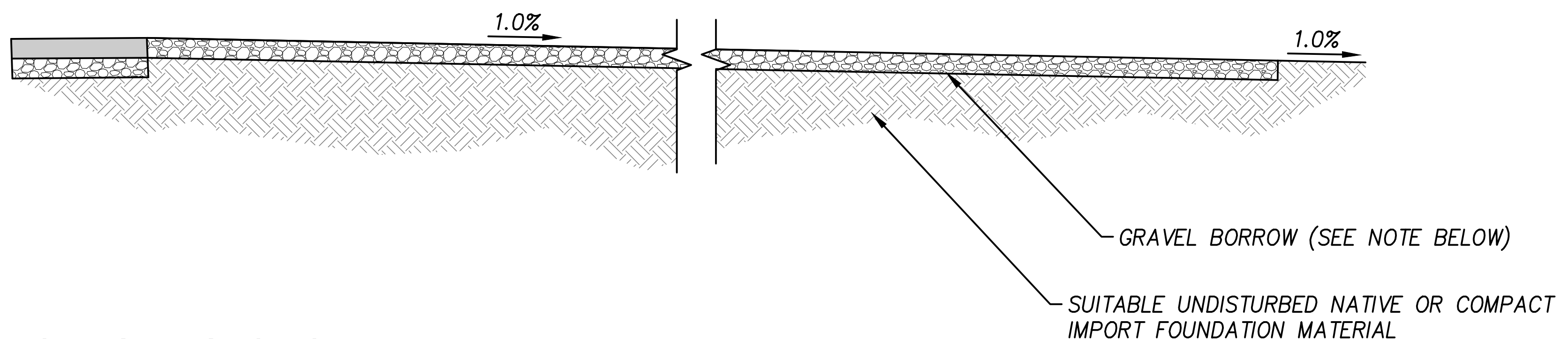
TBLOCK

SEC. 36, TWP 21 N, R6E W.M.



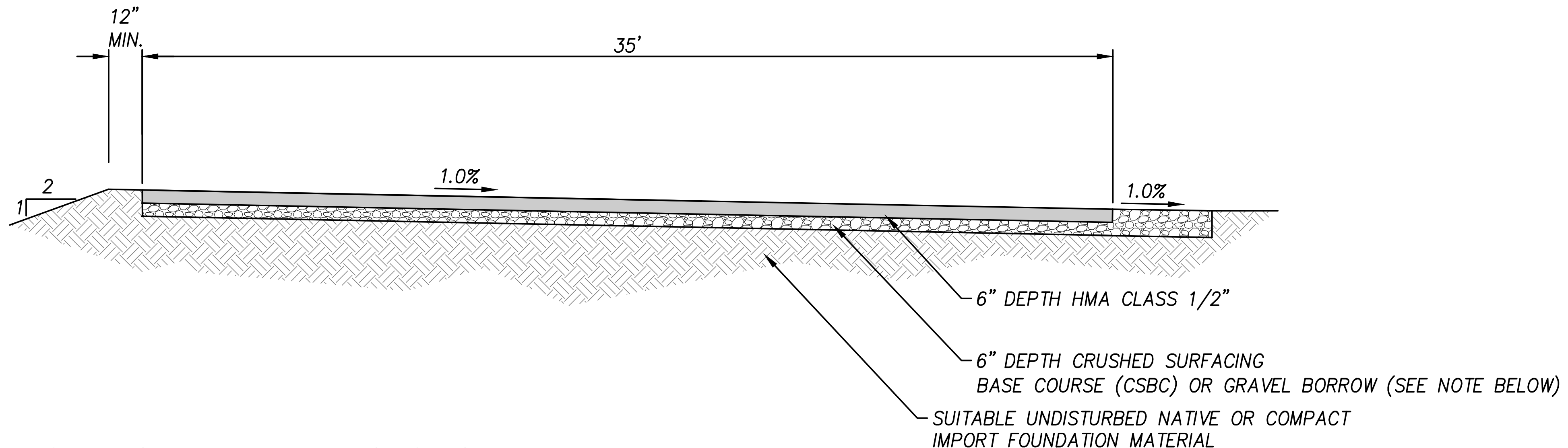
A C3.00 TYPICAL ASPHALT PROCESSING AREA AND BERM

NOT TO SCALE



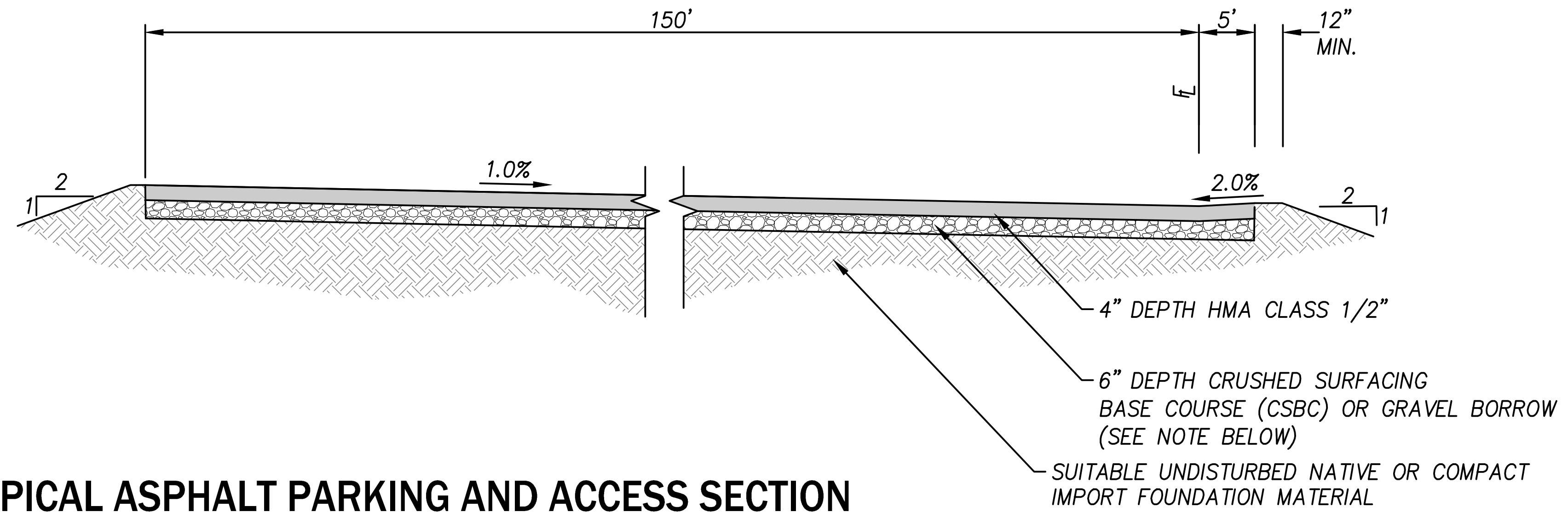
B C3.00 TYPICAL SITE SECTION

NOT TO SCALE



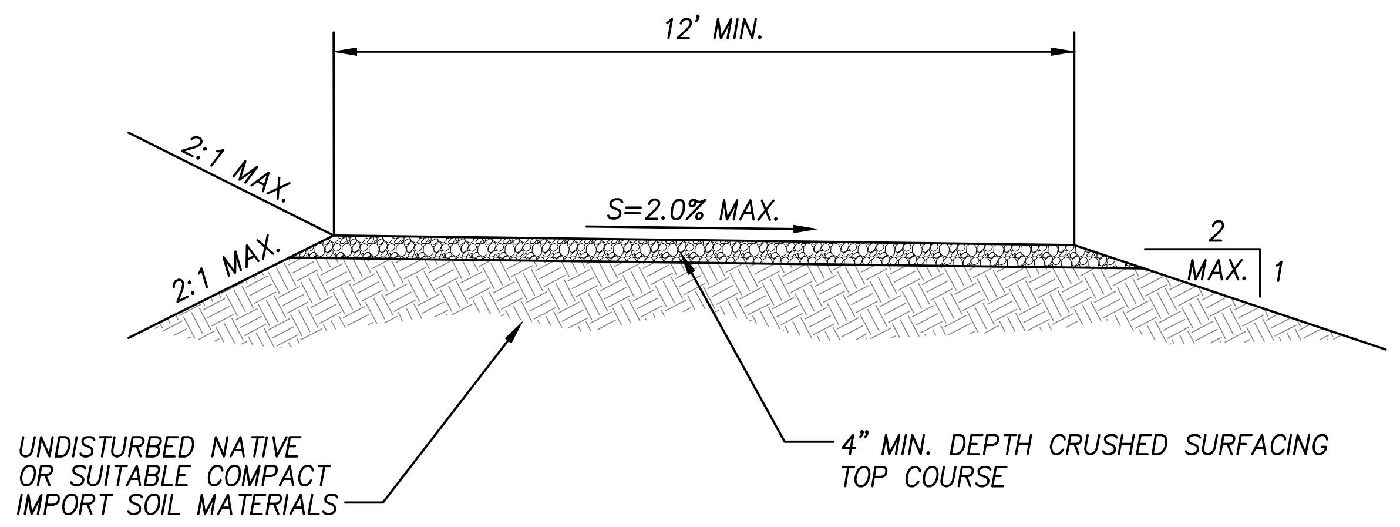
C C3.00 TYPICAL ASPHALT DRIVE SECTION

NOT TO SCALE



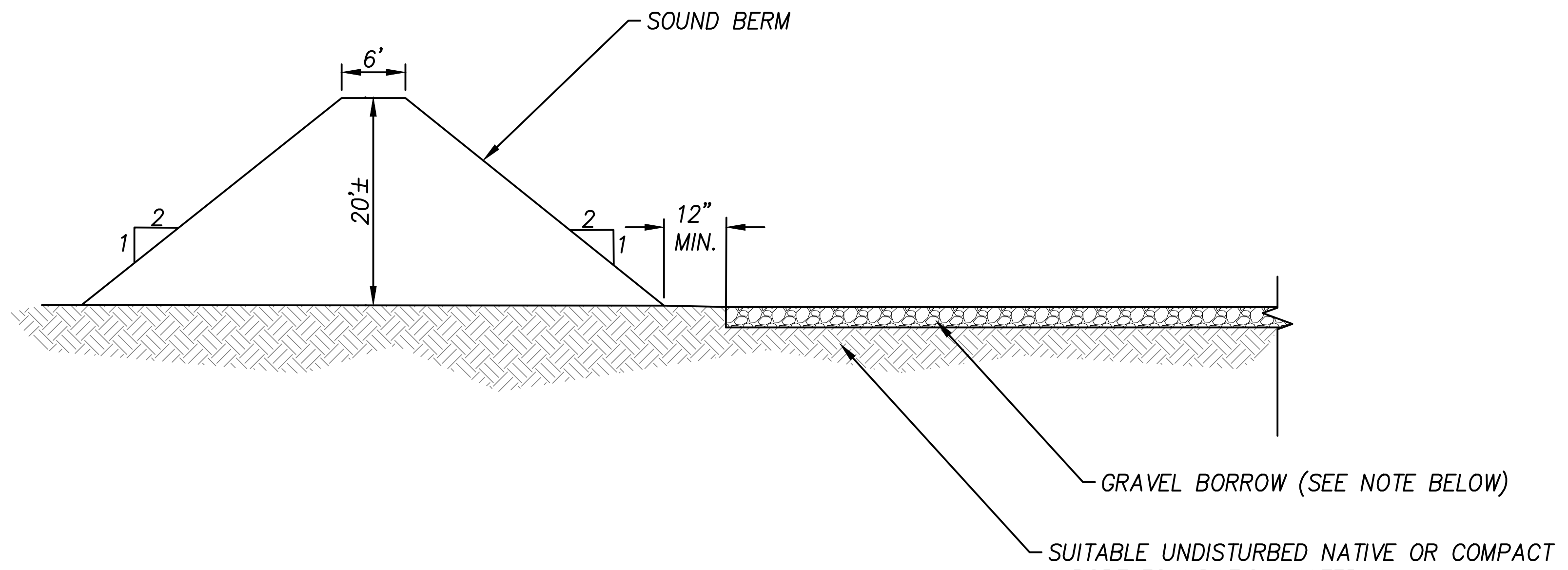
D C3.00 TYPICAL ASPHALT PARKING AND ACCESS SECTION

NOT TO SCALE



TYPICAL GRAVEL POND ACCESS ROAD

NOT TO SCALE



E C3.00 TYPICAL SITE SECTION

NOT TO SCALE

NOTE:
CONTRACTOR SHALL CONSULT W/ GEOTECHNICAL ENGINEER TO DETERMINE SUITABILITY OF ONSITE MATERIAL TO BE USED AS CRUSHED SURFACING BASE COURSE (CSBC) OR GRAVEL BORROW BENEATH HMA.

811
Know what's below.
Call before you dig.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.101.dwg
5/31/2018 12:15 PM PETER EVANS

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
GRADING AND DRAINAGE DETAILS
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CP|H
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

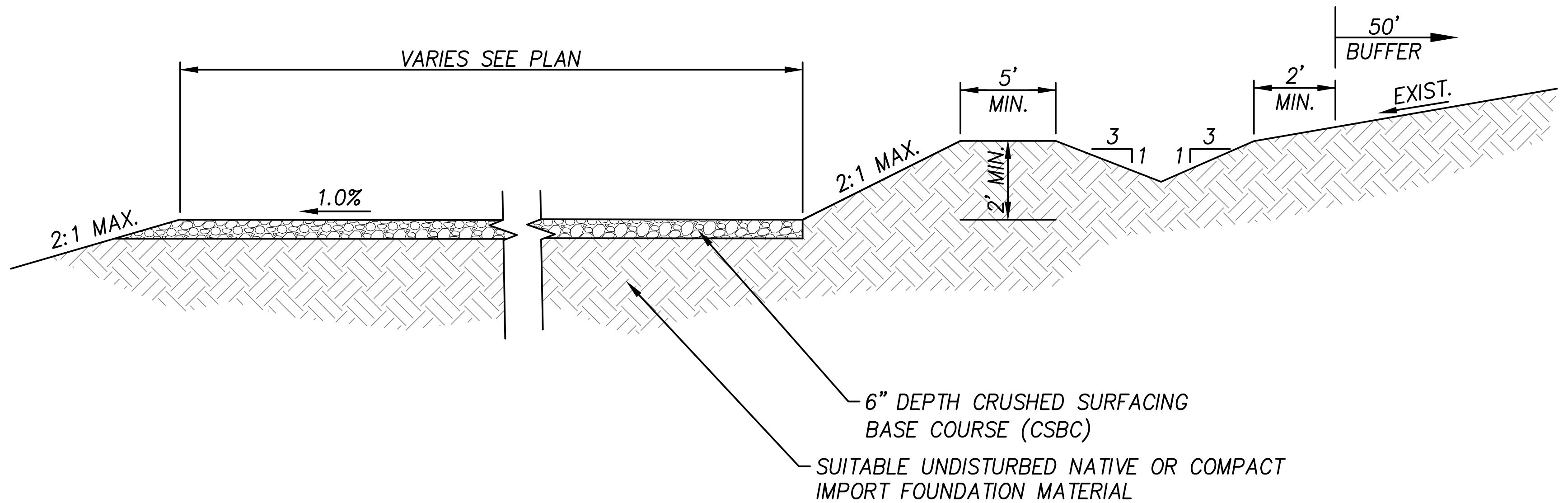
PROJECT NO.
0164-17-001

DRAWING
C3.101

SHEET 17 OF 20

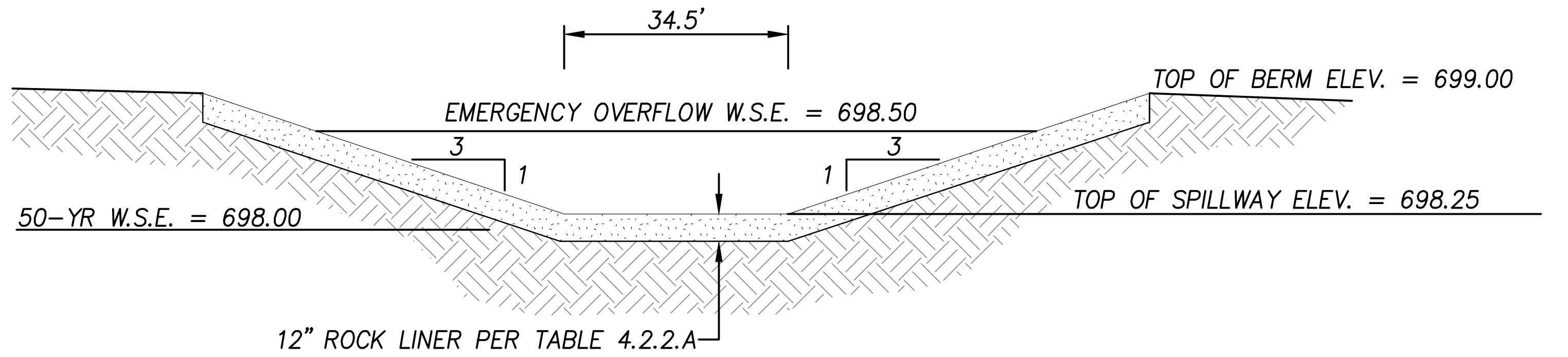
TBLOCK

SEC. 36, TWP 21 N, R6E W.M.



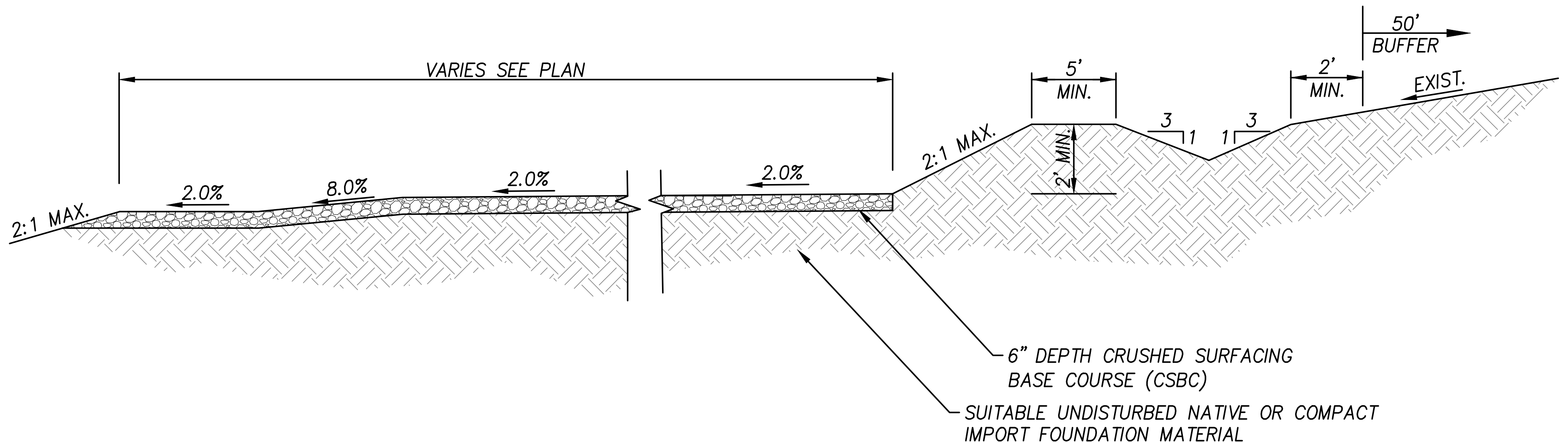
G C3.00 **TYPICAL SITE SECTION**

NOT TO SCALE



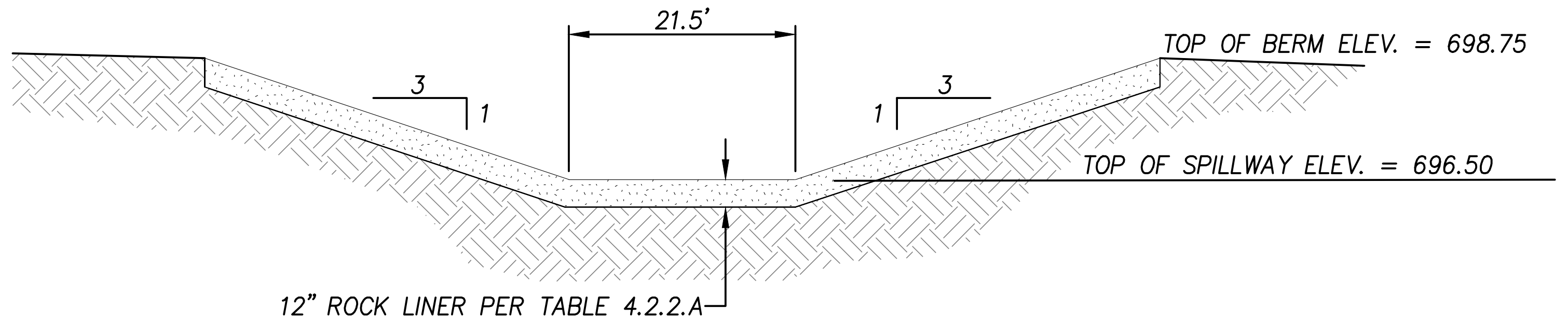
J C3.02 **TYPICAL OVERFLOW SPILLWAY SECTION, INFILTRATION POND/SAND FILTER - WEST**

NOT TO SCALE



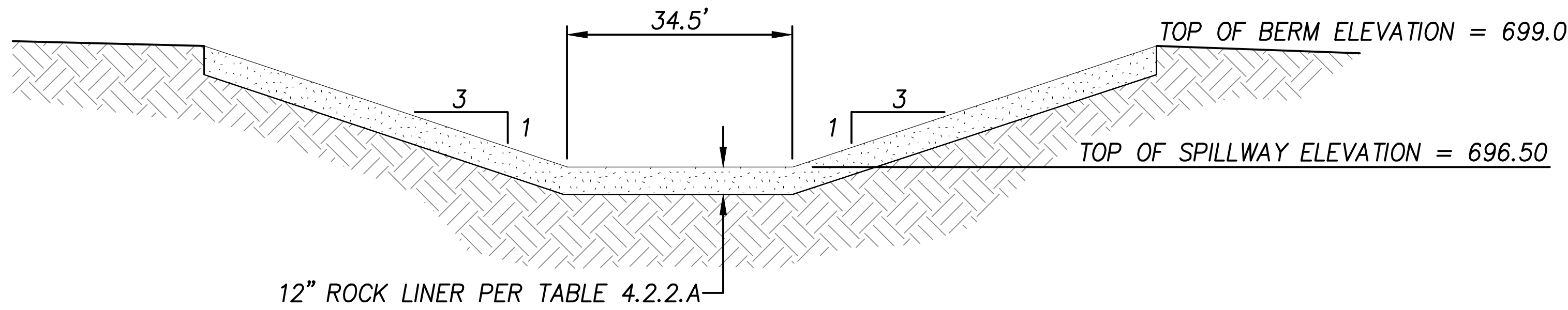
H C3.00 **TYPICAL SITE SECTION**

NOT TO SCALE



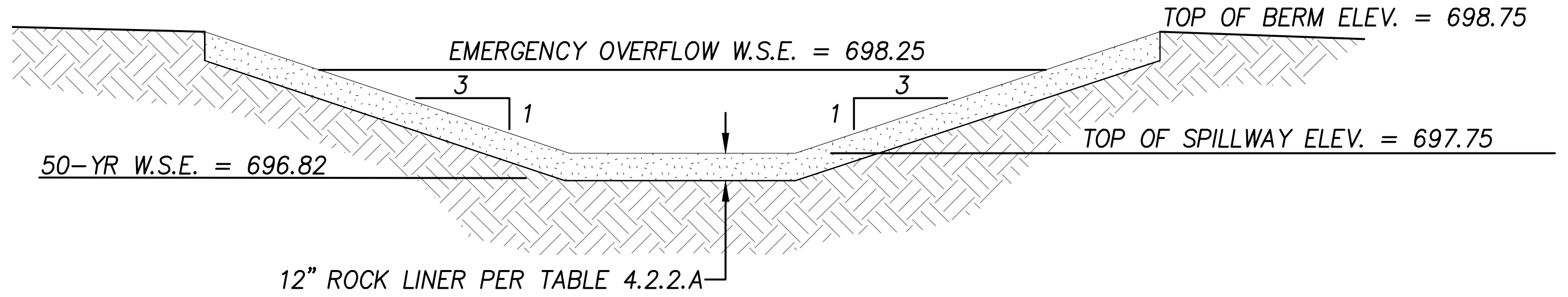
K C3.02 **TYPICAL SPILLWAY SECTION, PRE-SETTLING POND - EAST**

NOT TO SCALE



I C3.02 **TYPICAL SPILLWAY SECTION, PRESETTLING POND - WEST**

NOT TO SCALE



L C3.02 **TYPICAL OVERFLOW SPILLWAY SECTION, INFILTRATION POND/SAND FILTER - EAST**

NOT TO SCALE

NO.	DATE	REVISION	BY	CK.
1	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
ROAD SECTIONS
KING COUNTY
WASHINGTON

CLIENT
BUCKLEY RECYCLE CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C3.102

SHEET 18 OF 20

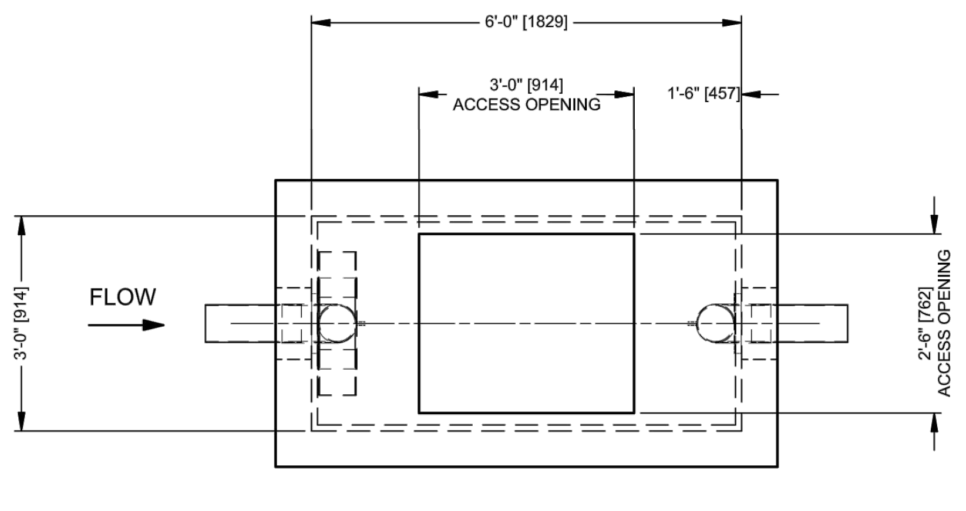
811
Know what's below.
Call before you dig.

P:\projects\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.102.dwg
5/31/2018 12:15 PM PETER EVANS

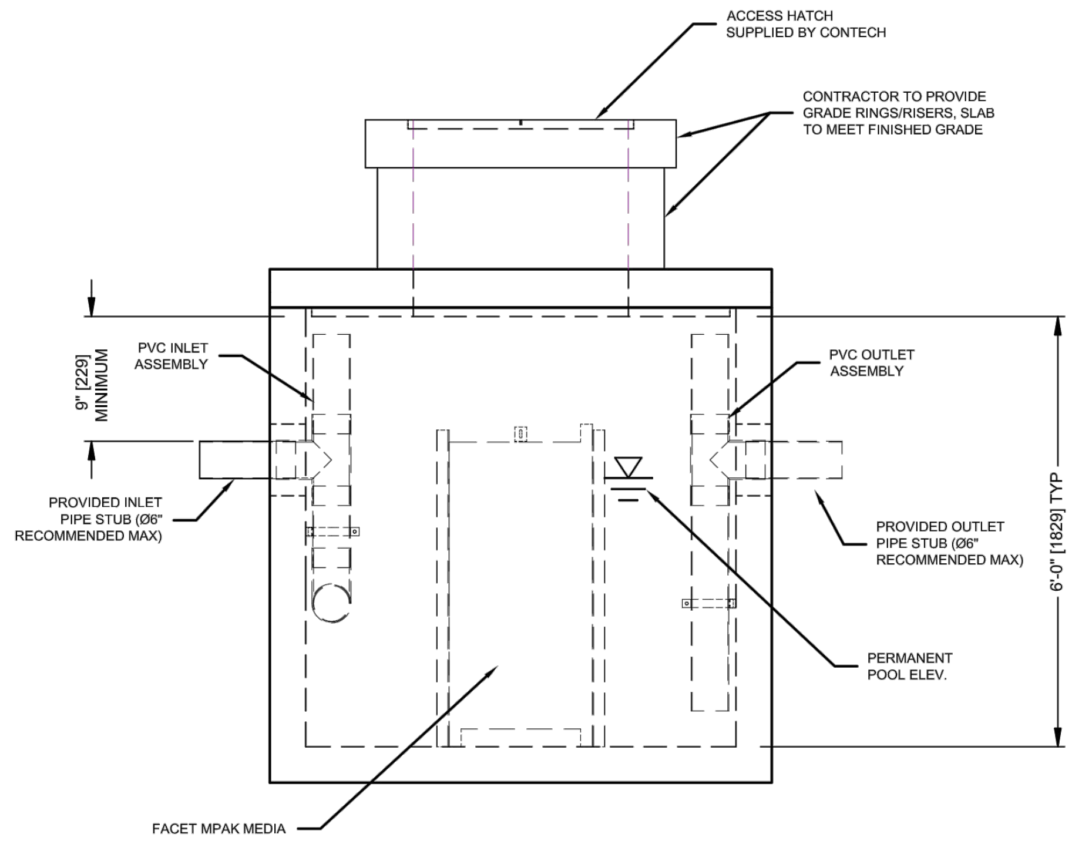
TBLOCK

SEC. 36, TWP 21 N, R6E W.M.

C:\USERS\EATONN\DESKTOP\WORK IN PROGRESS\VCL30-DTL.DWG 7/1/2014 1:11 PM



PLAN VIEW
(MEDIA NOT SHOWN FOR CLARITY)



ELEVATION VIEW

VortClarex®

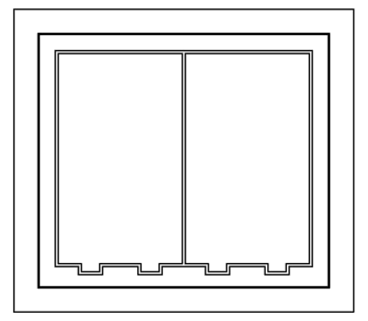
VCL30 DESIGN NOTES

VCL30 RATED TREATMENT CAPACITY IS 110 GPM [6.93 l/s], OR PER LOCAL REGULATIONS. IF THE SITE CONDITIONS EXCEED RATED TREATMENT CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

THE VORTCLAREX SYSTEM SHALL REMOVE ESSENTIALLY ALL FREE AND DISPERSED NON-EMULSIFIED OIL FROM THE WATER STREAM AND PRODUCE A DESIRED EFFLUENT BASED ON AN OIL DROPLET TYPICAL OF THE SITE.

THE VORTCLAREX SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH STOKES LAW AND API BULLETIN NO. 421.

THE STANDARD INLET/OUTLET CONFIGURATION IS SHOWN. FOR OTHER CONFIGURATION OPTIONS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com



30" x 36" [762 x 914] ACCESS HATCH
(ACTUAL PRODUCT MAY VARY)
N.T.S.

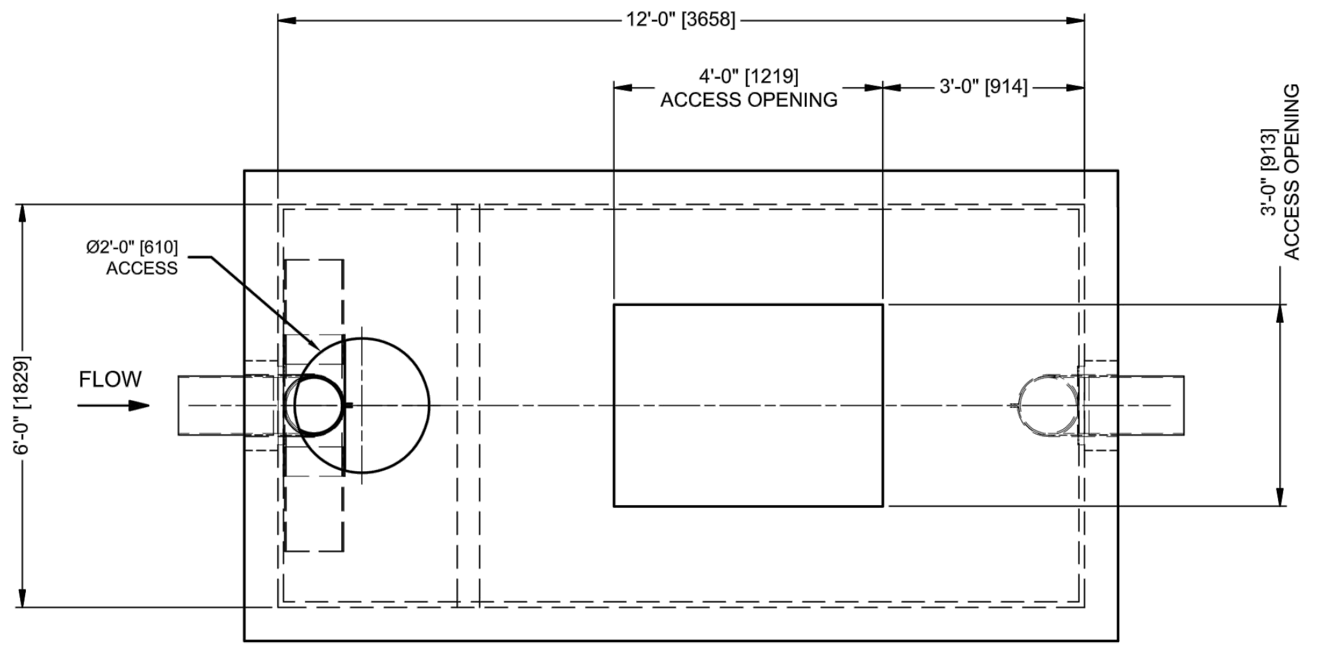
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. VORTCLAREX WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION
5. INLET AND OUTLET PIPES MUST BE PERPENDICULAR TO THE VAULT TO ALLOW CONNECTION WITH PROVIDED PIPE STUBS.
6. FLOW LINE IN AND OUT OF THE VORTCLAREX IS RECOMMENDED TO BE AT THE SAME ELEVATION.
7. ALTERNATE UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

INSTALLATION NOTES
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTCLAREX STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE AND INSTALL FERNCO, OR EQUIVALENT, COUPLER TO MATE EXISTING TRUNKLINE TO THE PROVIDED PIPE STUBS. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.

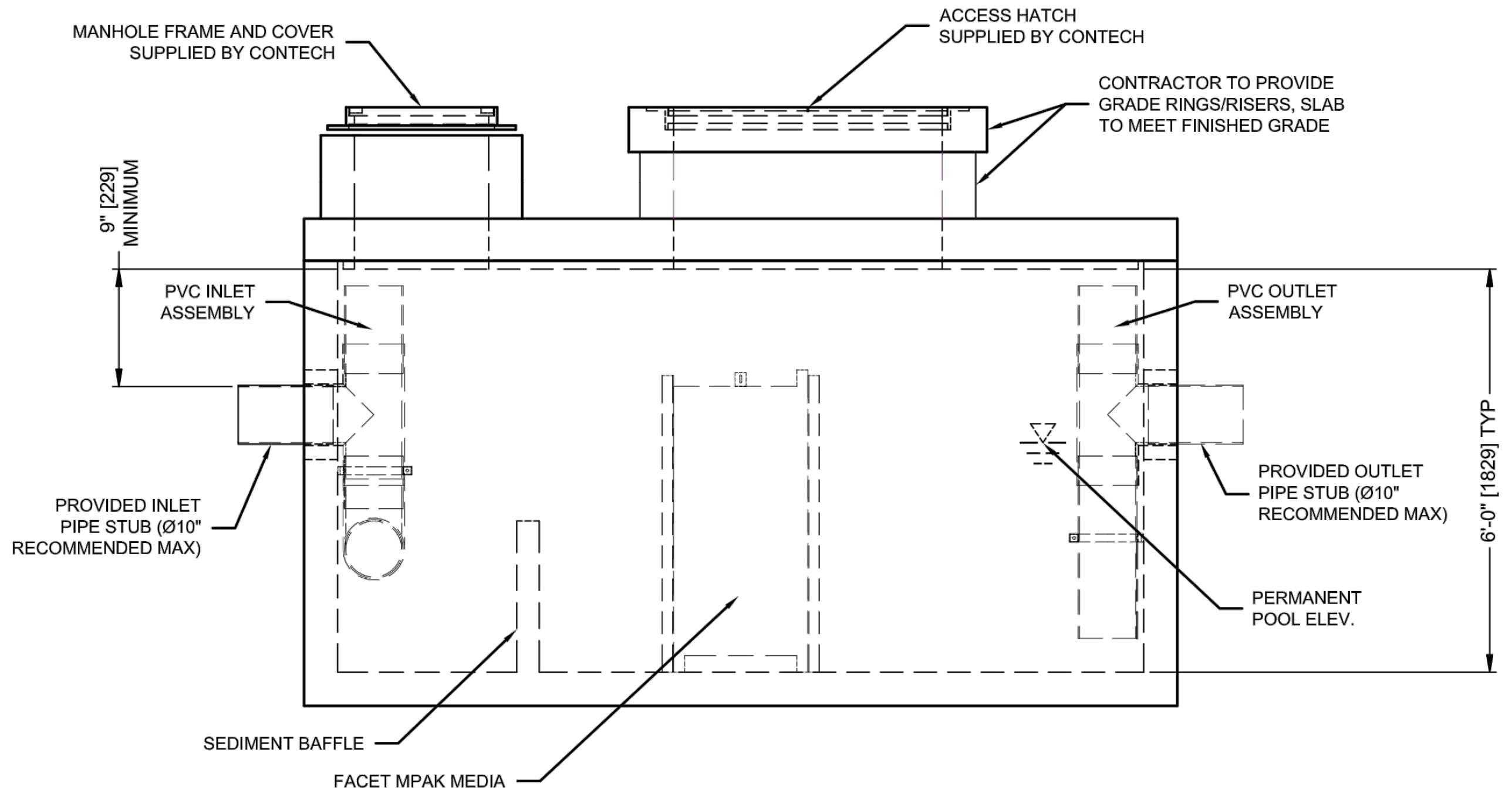
CONTECH®
ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

VORTCLAREX VCL30
STANDARD DETAIL

C:\USERS\EATONN\DESKTOP\WORK IN PROGRESS\VCL60-1-DTL.DWG 7/1/2014 4:25 PM



PLAN VIEW
(MEDIA NOT SHOWN FOR CLARITY)



ELEVATION VIEW

VortClarex®

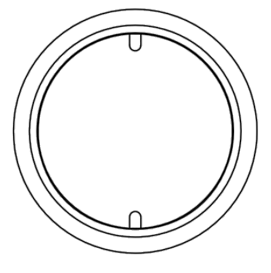
VCL60-1 DESIGN NOTES

VCL60-1 RATED TREATMENT CAPACITY IS 225 GPM [14.19 l/s], OR PER LOCAL REGULATIONS. IF THE SITE CONDITIONS EXCEED RATED TREATMENT CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

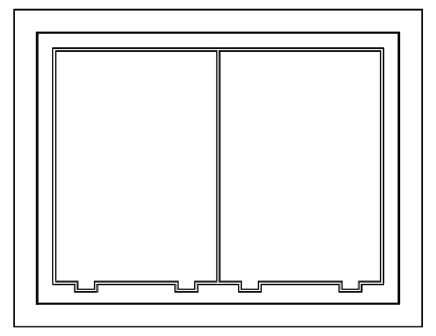
THE VORTCLAREX SYSTEM SHALL REMOVE ESSENTIALLY ALL FREE AND DISPERSED NON-EMULSIFIED OIL FROM THE WATER STREAM AND PRODUCE A DESIRED EFFLUENT BASED ON AN OIL DROPLET TYPICAL OF THE SITE.

THE VORTCLAREX SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH STOKES LAW AND API BULLETIN NO. 421.

THE STANDARD INLET/OUTLET CONFIGURATION IS SHOWN. FOR OTHER CONFIGURATION OPTIONS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com



24" [610] FRAME AND COVER
(ACTUAL PRODUCT MAY VARY)
N.T.S.



36" x 48" [914 x 1219] ACCESS HATCH
(ACTUAL PRODUCT MAY VARY)
N.T.S.

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. VORTCLAREX WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION
5. INLET AND OUTLET PIPES MUST BE PERPENDICULAR TO THE VAULT TO ALLOW CONNECTION WITH PROVIDED PIPE STUBS.
6. FLOW LINE IN AND OUT OF THE VORTCLAREX IS RECOMMENDED TO BE AT THE SAME ELEVATION.
7. ALTERNATE UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

INSTALLATION NOTES
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTCLAREX STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE AND INSTALL FERNCO, OR EQUIVALENT, COUPLER TO MATE EXISTING TRUNKLINE TO THE PROVIDED PIPE STUBS. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.

CONTECH®
ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

VORTCLAREX VCL60-1
STANDARD DETAIL

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.103.dwg
5/31/2018 12:15 PM PETER EVANS

NO.	DATE	REVISION	BY	CK.
△	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE

COMMERCIAL SITE DEVELOPMENT PERMIT

DETAILS

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CP|H
CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

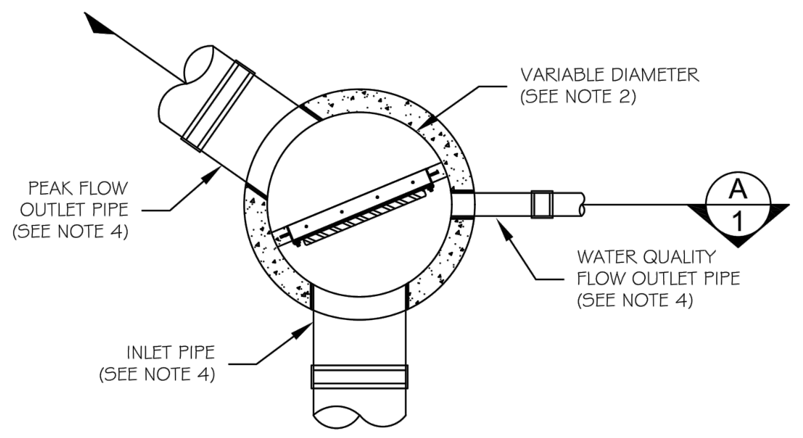
DRAWING
C3.103

SHEET 19 OF 20

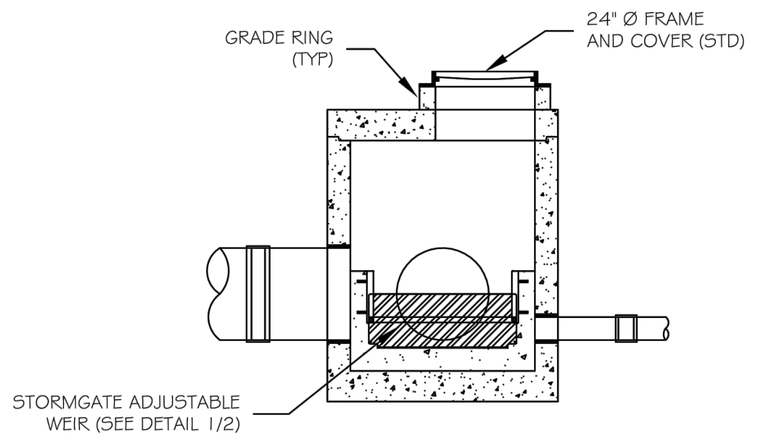
811
Know what's below.
Call before you dig.

TBLOCK

SEC. 36, TWP 21 N, R6E W.M.



STORMGATE MANHOLE - PLAN VIEW 1/1



STORMGATE MANHOLE - SECTION VIEW A/1

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com

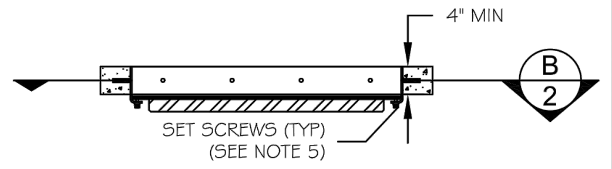
STORMGATE MANHOLE HIGH FLOW BYPASS
PLAN AND SECTION VIEWS
STANDARD DETAIL

DRAWING 1
1/2

DATE: 04/04/06 | SCALE: NONE | FILE NAME: SG-MH-DTL | DRAWN: MJW | CHECKED: ARG

GENERAL NOTES

1) STORMGATE BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.
2) PRECAST MANHOLE TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478. DETAIL DRAWING REFLECTS DESIGN INTENT ONLY. ACTUAL DIMENSIONS AND CONFIGURATION OF STRUCTURE WILL BE SHOWN ON PRODUCTION SHOP DRAWING.
3) STRUCTURE AND ACCESS COVERS TO MEET AASHTO H-20 LOAD RATING.
4) INLET AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR. PRECAST STORMGATE MANHOLE EQUIPPED WITH EITHER CORED OPENINGS OR KNOCKOUTS AT INLET AND OUTLET LOCATIONS.
5) CONTRACTOR TO ADJUST WEIR TO DESIGN ELEVATION SPECIFIED IN DATA TABLE BELOW. DO NOT EXCEED 5.0 FT-LBS TORQUE WHEN TIGHTENING SCREWS ON WEIR FRAME. SEAL WEIR TO FRAME WITH RTV SILICONE SEALANT AFTER FINAL ADJUSTMENT.



WEIR DETAIL - PLAN VIEW 1/2

STORMGATE MANHOLE DATA

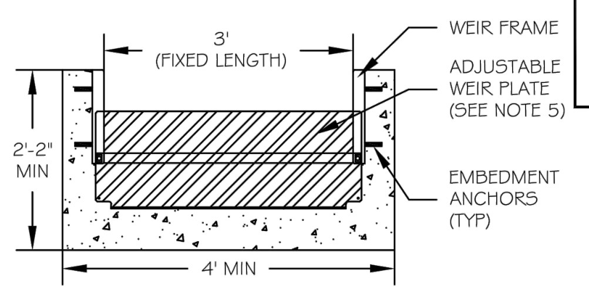
STRUCTURE ID	CB20
WATER QUALITY FLOW RATE (cfs)	0.48
PEAK FLOW RATE, Qpeak (cfs)	4.39
MANHOLE DIAMETER (48", 60", 72")	48"
RIM ELEVATION	XXX.XX'

PIPE DATA:	I.E.	ORIENTATION	MATERIAL	DIAMETER
INLET PIPE	699.46'	XX°	PVC	12"
WATER QUALITY FLOW OUTLET PIPE	699.63'	XX°	PVC	10"
PEAK FLOW OUTLET PIPE	698.75'	XX°	PVC	18"

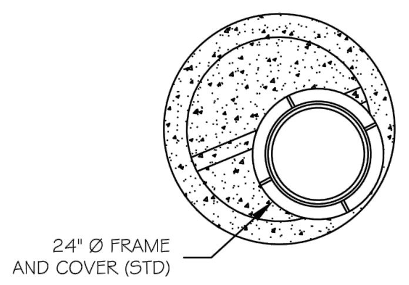
ORIFICE TYPE (PIPE, CAP, PLATE)	CAP
ORIFICE DIAMETER (in)	6"
WEIR CREST ELEVATION	700.13'
WEIR WALL ELEVATION	700.13'
HEAD OVER WEIR, H (ft)	0.48'
WSE at Qpeak	700.61'
WEIR ORIENTATION	XX°
FLOOR ELEVATION	XXX.XX'

NOTES/SPECIAL REQUIREMENTS:

PIPE ORIENTATION KEY: 90° 180° 0° 270°



WEIR DETAIL - SECTION VIEW B/2



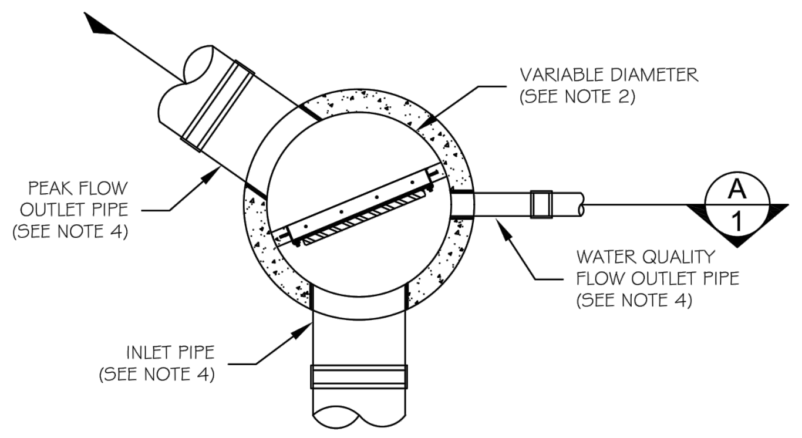
STORMGATE MANHOLE- TOP VIEW 2/2

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com

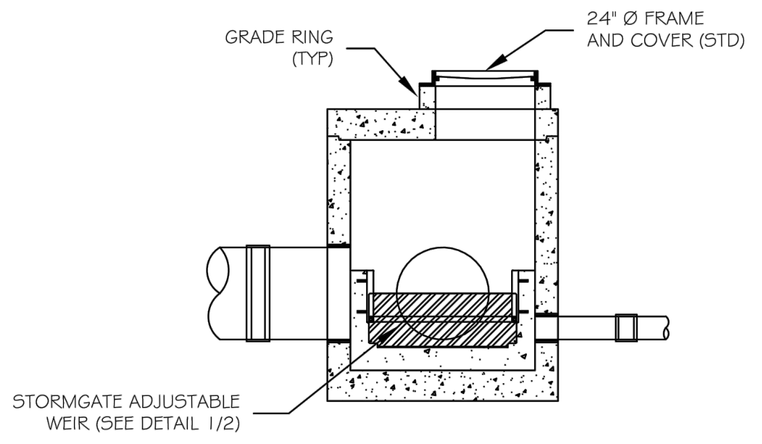
STORMGATE MANHOLE HIGH FLOW BYPASS
TOP VIEW, WEIR DETAIL, DATA AND NOTES
STANDARD DETAIL

DRAWING 2
2/2

DATE: 04/04/06 | SCALE: NONE | FILE NAME: SG-MH-DTL | DRAWN: MJW | CHECKED: ARG



STORMGATE MANHOLE - PLAN VIEW 1/1



STORMGATE MANHOLE - SECTION VIEW A/1

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com

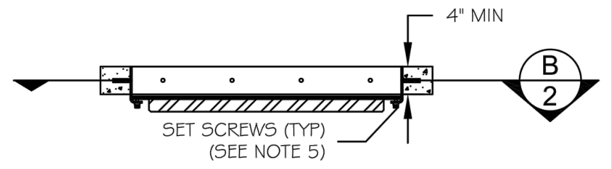
STORMGATE MANHOLE HIGH FLOW BYPASS
PLAN AND SECTION VIEWS
STANDARD DETAIL

DRAWING 1
1/2

DATE: 04/04/06 | SCALE: NONE | FILE NAME: SG-MH-DTL | DRAWN: MJW | CHECKED: ARG

GENERAL NOTES

1) STORMGATE BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.
2) PRECAST MANHOLE TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478. DETAIL DRAWING REFLECTS DESIGN INTENT ONLY. ACTUAL DIMENSIONS AND CONFIGURATION OF STRUCTURE WILL BE SHOWN ON PRODUCTION SHOP DRAWING.
3) STRUCTURE AND ACCESS COVERS TO MEET AASHTO H-20 LOAD RATING.
4) INLET AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR. PRECAST STORMGATE MANHOLE EQUIPPED WITH EITHER CORED OPENINGS OR KNOCKOUTS AT INLET AND OUTLET LOCATIONS.
5) CONTRACTOR TO ADJUST WEIR TO DESIGN ELEVATION SPECIFIED IN DATA TABLE BELOW. DO NOT EXCEED 5.0 FT-LBS TORQUE WHEN TIGHTENING SCREWS ON WEIR FRAME. SEAL WEIR TO FRAME WITH RTV SILICONE SEALANT AFTER FINAL ADJUSTMENT.



WEIR DETAIL - PLAN VIEW 1/2

STORMGATE MANHOLE DATA

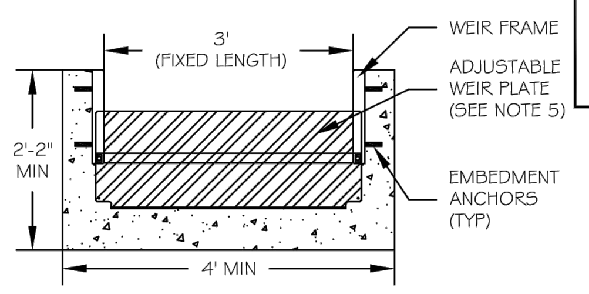
STRUCTURE ID	CB50
WATER QUALITY FLOW RATE (cfs)	0.13
PEAK FLOW RATE, Qpeak (cfs)	1.16
MANHOLE DIAMETER (48", 60", 72")	48"
RIM ELEVATION	XXX.XX'

PIPE DATA:	I.E.	ORIENTATION	MATERIAL	DIAMETER
INLET PIPE	697.05'	XX°	PVC	12"
WATER QUALITY FLOW OUTLET PIPE	697.55'	XX°	PVC	6"
PEAK FLOW OUTLET PIPE	697.05'	XX°	PVC	12"

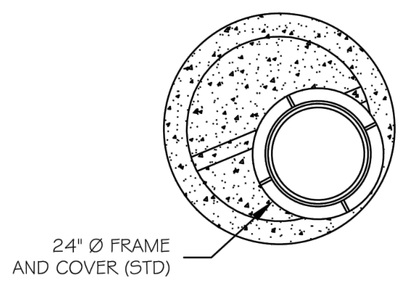
ORIFICE TYPE (PIPE, CAP, PLATE)	CAP
ORIFICE DIAMETER (in)	3"
WEIR CREST ELEVATION	697.97'
WEIR WALL ELEVATION	697.97'
HEAD OVER WEIR, H (ft)	0.20'
WSE at Qpeak	698.17'
WEIR ORIENTATIONcc	XX°
FLOOR ELEVATION	XXX.XX'

NOTES/SPECIAL REQUIREMENTS:

PIPE ORIENTATION KEY: 90° 180° 0° 270°



WEIR DETAIL - SECTION VIEW B/2



STORMGATE MANHOLE- TOP VIEW 2/2

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com

STORMGATE MANHOLE HIGH FLOW BYPASS
TOP VIEW, WEIR DETAIL, DATA AND NOTES
STANDARD DETAIL

DRAWING 2
2/2

DATE: 04/04/06 | SCALE: NONE | FILE NAME: SG-MH-DTL | DRAWN: MJW | CHECKED: ARG

NO.	DATE	REVISION	BY	CK.
0	5/31/18	KING COUNTY PERMIT SUBMITTAL	BHB	JBS

JAMIE B SCHROEDER
37610
5-31-18

ENUMCLAW RECYCLE
COMMERCIAL SITE DEVELOPMENT PERMIT
DETAILS

KING COUNTY
WASHINGTON

CLIENT

BUCKLEY RECYCLE
CENTER, INC.
P.O BOX 1372
ENUMCLAW, WA 98022
PHONE: (253) 223-8586

CPH CONSULTANTS
Site Planning • Civil Engineering
Land Use Consulting • Project Management
11431 Willows Rd. NE, Suite 120
Redmond, WA 98052
Phone: (425) 285-2390 | FAX: (425) 285-2389
www.cphconsultants.com

PROJECT NO.
0164-17-001

DRAWING
C3.104

SHEET 20 OF 20

811®
Know what's below.
Call before you dig.

P:\project\0164\17001\Dwg\Sheets\COMMERCIAL SITE DEVELOPMENT PERMIT\C3.104.dwg
5/31/2018 12:15 PM PETER EVANS