ANDERSON HAY SITE GRADING IMPROVEMENTS

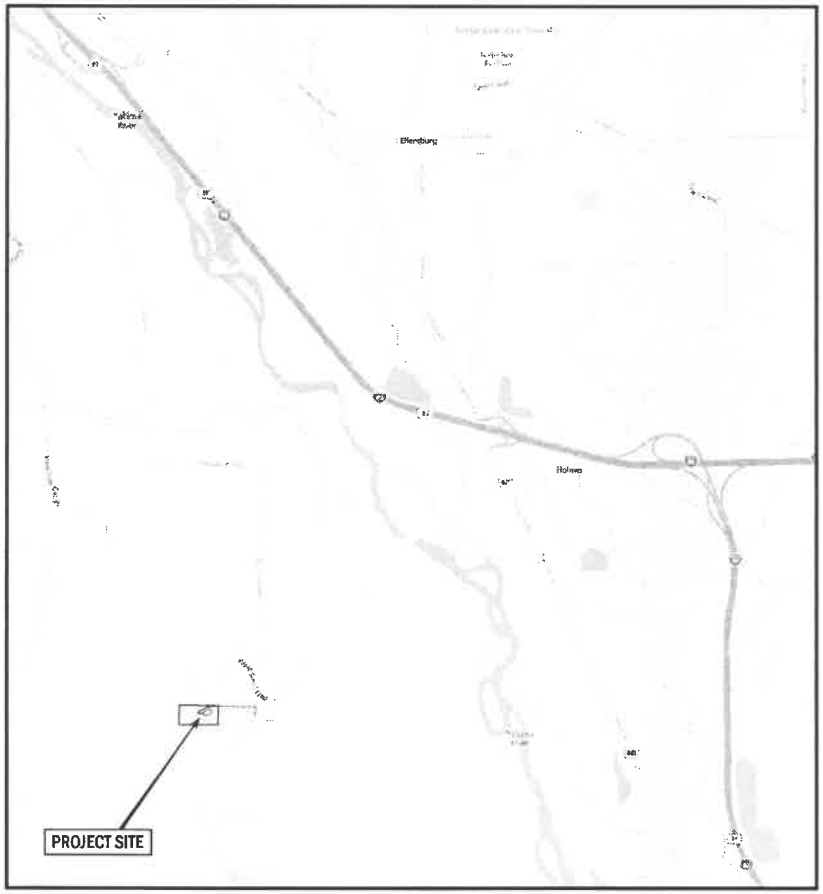
KITTITAS COUNTY, WASHINGTON

KITTITAS COUNTY
PUBLIC WORKS DEPARTMENT
APPROVED

SIGNATURE

PRINTED NAME DATE
COUNTY ENGINEER
(509) 962-7523

KITTITAS COUNTY SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF ROADWAY AND APPURTENANT IMPROVEMENTS, INCLUDING STORM DRAINAGE STRUCTURES AND PIPES OUTSIDE OF THE COUNTY RIGHT-OF-WAY.



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VICINITY MAP
SCALE: 1" = 2000'

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PROPONENT
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RECEIVED
AUG 20 2021
Kittitas County CDS

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
0	4/29/21	PRELIMINARY GRADING			
1	7/29/21	GRADING PERMIT SET			

PACIFIC ENGINEERING
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07/29/2021

ANDERSON HAY & GRAIN COMPANY, INC.
SITE GRADING IMPROVEMENTS

ELLENSBURG, WASHINGTON
PROJECT NO. 18129CA DRAWN BY: DG CHECKED BY: MR

IF NOT ONE INCH ON THIS SHEET ADJUST SCALE ACCORDINGLY
0 1"

COVER

C1.0

LEGEND

Symbol	Description
SD	EXISTING STORM DRAIN
SS	EXISTING SANITARY SEWER
FM	EXISTING FORCE MAIN
W	EXISTING WATER LINE
OHP	EXISTING OVERHEAD POWER
UGP	EXISTING UNDERGROUND POWER
TEL	EXISTING TELEPHONE
FO	EXISTING FIBER LINE
IRR	EXISTING IRRIGATION LINE
GAS	EXISTING GAS LINE
	EXISTING POWER POLE
	EXISTING POWER VAULT
	EXISTING TELEPHONE VAULT OR RISER
	EXISTING DRYWELL OR STORM DRAIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING WATER WELL
	EXISTING SIGN
	EXISTING EDGE OF PAVEMENT
780	EXISTING MAJOR CONTOUR
783	EXISTING MINOR CONTOUR
RD	PROPOSED ROOF DRAIN
SD	PROPOSED STORM DRAIN
	PROPOSED FLOW LINE
PW	PROPOSED PROCESS WATER LINE
SS	PROPOSED SANITARY SEWER
W	PROPOSED DOMESTIC WATER LINE
FIRE	PROPOSED FIRE LINE
P	PROPOSED POWER CONDUIT
FO	PROPOSED FIBER CONDUIT
X	PROPOSED FENCE
PV	PROPOSED POWER VAULT
	PROPOSED SWITCH CABINET
	PROPOSED POWER TRANSFORMER
FP	PROPOSED FIBER PEDESTAL
	PROPOSED CATCH BASIN
D	PROPOSED STORM DRAIN MANHOLE
S	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER OR IRRIGATION VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED SIGN
780	PROPOSED MAJOR CONTOUR
783	PROPOSED MINOR CONTOUR
× 811.70	FINISHED GRADE ELEVATION
	RIGHT-OF-WAY LINE
	EASEMENT LINE
	PROPOSED HIGH TRAFFIC HOT MIX ASPHALT SURFACE
	PROPOSED REGULAR HOT MIX ASPHALT SURFACE
	PROPOSED CONCRETE
	PROPOSED GRAVEL SURFACE
SECTION NO. / DRAWING ON WHICH SECTION APPEARS (3 / C2.3)	SECTION CUT
SECTION NO. / DRAWING ON WHICH DETAIL APPEARS (9 / C3.1)	DETAIL CALLOUT

STANDARD ABBREVIATIONS

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
AC	ACRE	NE	NORTHEAST
ACP	ASPHALT CONC. PAVEMENT	NIC	NOT IN CONTRACT
APPROX.	APPROXIMATE(LY)	NO	NUMBER
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	NTS	NOT TO SCALE
ASSY.	ASSEMBLY	NW	NORTHWEST
AUX	AUXILIARY	OD	OUTSIDE DIAMETER, OUTSIDE DIMENSION
AVE	AVENUE	OHP	OVERHEAD POWER LINE
AWWA	AMERICAN WATER WORKS ASSOCIATION	OHP&T	OVERHEAD POWER & TELEPHONE
BLDG	BUILDING	OSS	ONSITE SEWAGE SYSTEM
BLVD	BOULEVARD	PC	POINT OF CURVATURE
BMP	BEST MANAGEMENT PRACTICE	PCC	PORTLAND CONCRETE CEMENT
BST	BITUMINOUS SURFACE TREATMENT	PE	PLAIN END
CB	CATCH BASIN	PERF	PERFORATED
CESCL	CERTIFIED EROSION & SEDIMENT CONTROL LEAD	PI	POINT OF INTERSECTION
CF	CUBIC FEET	P/L	PROPERTY LINE
CFM	CUBIC FEET PER MINUTE	PP	POWER POLE
CFS	CUBIC FEET PER SECOND	PROP	PROPOSED
CI	CAST IRON	PRV	PRESSURE REGULATING VALVE
CIP	CAST IRON PIPE	PT	POINT, POINT OF TANGENCY
CJ	CONSTRUCTION JOINT	PUD	PUBLIC UTILITY DISTRICT
℄	CENTERLINE	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	PVI	POINT OF VERTICAL INTERSECTION
CMU	CONCRETE MASONRY UNIT	PVMT	PAVEMENT
CO	CLEANOUT	PWR	POWER
CONC	CONCRETE	QTY	QUANTITY
CONT	CONTINUOUS	R	RADIUS, RANGE, RIGHT
CPE	CORRUGATED POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE
CSBC	CRUSHED SURFACE BASE COURSE	RD	ROAD
CSTC	CRUSHED SURFACE TOP COURSE	REF	REFERENCE
CTR	CENTER	REINF	REINFORCED
CULV	CULVERT	REQD	REQUIRED
DCSD	DOUGLAS COUNTY SEWER DISTRICT	RJ	RESTRAINED JOINT
DI	DUCTILE IRON	RP	RADIUS POINT
DIA	DIAMETER	RR	RAILROAD
DIM	DIMENSION	ROW	RIGHT OF WAY
DIST	DISTRICT	S	SOUTH, SLOPE
DNR	DEPARTMENT OF NATURAL RESOURCES	SCH	SCHEDULE
DWG(S)	DRAWING(S)	SD	STORM DRAIN
E	EAST	SE	SOUTH EAST
EA	EACH	SEC	SECOND
EL.	ELEVATION	SECT	SECTION
EOP	EDGE OF PAVEMENT	SF	SQUARE FEET
EQUIP	EQUIPMENT	SHT	SHEET
ESMT	EASEMENT	SMMEW	STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON
EWWD	EAST WENATCHEE WATER DISTRICT	SPEC	SPECIFICATIONS
EXIST.	EXISTING	SQ	SQUARE
FF	FINISH FLOOR	SS	SANITARY SEWER
FH	FIRE HYDRANT	ST	STREET
FL	FLANGE, FLOW LINE	STA	STATION
FM	FORCE MAIN	STD	STANDARD
FO	FIBER OPTIC	STD PLN	WSDOT STANDARD PLAN
FT	FOOT, FEET	STL	STEEL
G	GAS	SW	SOUTH WEST
GAL	GALLON	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
GALV	GALVANIZED	SY	SQUARE YARD
GPD	GALLONS PER DAY	TAN	TANGENT
GPM	GALLONS PER MINUTE	TBM	TEMPORARY BENCH MARK
GV	GATE VALVE	TC	TOP OF CURB
H	HORIZONTAL	TEMP	TEMPORARY
HDPE	HIGH DENSITY POLYETHYLENE	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
HOR	HORIZONTAL	THRU	THROUGH
HP	HIGH PRESSURE	TOC	TOP OF CONCRETE
HT	HEIGHT	TYP	TYPICAL
HWY	HIGHWAY	TWP	TOWNSHIP
HYD	HYDRANT	U/G	UNDERGROUND
IBC	INTERNATIONAL BUILDING CODE	UGP	UNDERGROUND POWER
ID	INSIDE DIAMETER	U/P	UTILITY POLE
I.E.	INVERT ELEVATION	USGS	UNITED STATES GEOLOGICAL SURVEY
INV	INVERT	UTIL	UTILITY
L	LEFT	V	VERTICAL
LF	LINEAL FOOT, FEET	VAR	VARIES
LS	LUMP SUM	VC	VERTICAL CURVE
MAINT	MAINTENANCE	VFY.	VERIFY
MAX	MAXIMUM	W	WEST
MB	MAILBOX	WA	WATER
MDD	MAXIMUM DRY DENSITY	W/	WITH
MH	MANHOLE	W/O	WITHOUT
MIC	MONUMENT IN CASE	WM	WATER MAIN, WATER METER, WIRE MESH
MIN	MINIMUM	WS	WATER SERVICE
MISC	MISCELLANEOUS	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
MJ	MECHANICAL JOINT	YD	YARD
MON	MONUMENT	YR	YEAR
MPH	MILES PER HOUR	#	NUMBER, POUNDS
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	&	AND
N	NORTH	@	AT
N/A	NOT APPLICABLE	Ø	DIAMETER, PHASE

GENERAL NOTES

1. ALL WORK ON THE SITE AND WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE COUNTY ENGINEER OR A DESIGNATED REPRESENTATIVE.
2. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
3. ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RIGHT-OF-WAY, ROAD, UTILITY, ENVIRONMENTAL AND ANY OTHER RELATED PERMITS PRIOR TO CONSTRUCTION ACTIVITY.
5. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE AS-BUILT RECORDS AND SHALL COORDINATE FINAL AS-BUILT RECORD AND PLAN FORMULATION WITH PACIFIC ENGINEERING & DESIGN AS NECESSARY DURING THE PERFORMANCE OF CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN ACCORDANCE WITH THE LINES, GRADES AND ROADWAY SECTIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROJECT SURVEYING. THE CONTRACTOR SHALL PROTECT AND MAINTAIN SURVEY BENCHMARKS, CONTROL POINTS, AND MONUMENTS FROM DISTURBANCE DURING CONSTRUCTION.
7. ADJUSTMENTS TO UTILITY AND ROADWAY GRADES MAY BE REQUIRED DURING CONSTRUCTION TO AVOID CONFLICTS. ALL CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF PACIFIC ENGINEERING & DESIGN FOR RESOLUTION.
8. ALL UNDERGROUND POWER, TELEPHONE AND CABLE SERVICE CONDUIT SHALL BE INSTALLED BY THE CONTRACTOR IN COORDINATION WITH THEIR RESPECTIVE AGENCIES. LOCATIONS OF TRANSFORMERS, RISERS AND OTHER UNDERGROUND UTILITY APPURTENANCES SHALL BE PER EACH AGENCY PLAN.
9. LOCATION OF ALL PRIVATE IRRIGATION PIPELINES AND APPURTENANCES ARE GENERALLY UNDOCUMENTED. IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO INDEPENDENTLY VERIFY, AVOID AND/OR RELOCATE ANY IRRIGATION UTILITIES SHOWN OR NOT SHOWN ON THE PLANS WHICH MAY BE AFFECTED BY CONSTRUCTION.
10. IF REQUIRED BY THE COUNTY OR UTILITY AGENCY, PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH COUNTY/UTILITY PERSONNEL.
11. A COPY OF THESE APPROVED PLANS SHALL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. PLANS APPROVED BY THE COUNTY ENGINEER, UTILITY AGENCY AND SEALED BY THE DESIGN ENGINEER SHALL TAKE PRECEDENCE OVER ALL OTHER PLANS.
12. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO POWER POLES, CONDUIT, LUMINAIRES, TRAFFIC SIGNALS, RISERS, ETC., BY CONTACTING THE APPROPRIATE UTILITY COMPANY.
13. QUALITY ASSURANCE AND QUALITY CONTROL SHOULD BE PROVIDED BY THE OWNER TO ENSURE CONTRACTOR CONSTRUCTS/INSTALLS ALL APPURTENANCES CONTAINED HEREIN IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. CONSTRUCTION DEVIATIONS, MEANS AND METHODS SHOULD BE DOCUMENTED BY INSPECTOR ACCORDINGLY. RECOMMENDED QUALITY CONTROL TESTING INCLUDES, BUT IS NOT LIMITED TO, COMPACTION TESTING AND VISUAL INSPECTIONS FOR SUBGRADES, UTILITY TRENCHES, PIPE INSTALLATIONS, BACKFILL AND BACKFILL MATERIALS, LOW PRESSURE AIR TESTS FOR STORM DRAIN AND SANITARY SEWER SYSTEMS, FORMWORK FOR CEMENT CONCRETE CURBS AND PAVEMENTS, CRUSHED SURFACING PRIOR TO PLACEMENT OF HMA.
14. UNLESS DESIGNATED BY THE OWNER, PACIFIC ENGINEERING & DESIGN DOES NOT PROVIDE CONSTRUCTION ENGINEERING OR CONSTRUCTION MANAGEMENT IN ASSOCIATION WITH THESE PLANS. THOSE SERVICES ARE STRICTLY RESERVED TO THE OWNER AND/OR HIS DESIGNATED REPRESENTATIVE.
15. THE SOILS INFORMATION USED FOR THE STUDY AND DESIGN OF THIS PROJECT WAS DOCUMENTED IN A GEOTECHNICAL ENGINEERING REPORT PREPARED BY ________________, DATED ____________. THE GEOTECHNICAL REPORT INCLUDES A RECORD OF EXPLORATIONS, DOCUMENTS SUBSURFACE CONDITIONS, AND PROVIDES CONCLUSIONS, RECOMMENDATIONS, AND CONSTRUCTION CONSIDERATIONS RELEVANT TO THE CIVIL SITE WORK. THE CONTRACTOR SHALL PERFORM EARTHWORK IN A MANNER CONSISTENT WITH THE CONSTRUCTION CONSIDERATIONS IN THE GEOTECHNICAL ENGINEERING REPORT. IF AN INCONSISTENCY EXISTS BETWEEN THE SPECIFIC RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING REPORT AND THE STANDARD SPECIFICATIONS, THE GEOTECHNICAL ENGINEERING REPORT SHALL TAKE PRECEDENCE.
16. PREVENT SURFACE RUNOFF AND GROUNDWATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING THE PROJECT SITE OR SURROUNDING AREA. PREVENT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE FROM SURFACE RUNOFF OR GROUNDWATER. DO NOT USE EXCAVATED TRENCHES TO CONTROL STORMWATER RUNOFF. CONVEY SURFACE RUNOFF AWAY FROM EXCAVATIONS TO PROPER BMPS - SEE T.E.S.C. PLAN.
17. LEGALLY DISPOSE OF ALL SURPLUS AND WASTE MATERIALS.

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
0	4/20/21	PRELIM ROAD/GRADING			
1	7/20/21	GRADING PERMIT SET			

PACIFIC ENGINEERING
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07/20/2021

ANDERSON HAY & GRAIN COMPANY, INC.
SITE GRADING IMPROVEMENTS
ELLENSBURG, WASHINGTON
PROJECT NO. 19129CA DRAWN BY: DG CHECKED BY: MR

GENERAL NOTES, LEGEND & ABBREVIATIONS

C1.1