



ARCHIBALD & CO.
ARCHITECTS, P.S.

660 Symons Street
Richland WA 99354

p: 509.946.4189
f: 509.943.1796

www.archibald.design

GOODWILL INDUSTRIES
NEW RETAIL FACILITY
1017 NE C STREET | COLLEGE PLACE, WA

GRADING, DRAINAGE AND
EROSION CONTROL PLAN

CAD FILE:
66058.004_C3.0.dwg

DESIGNED: KWB/LLW

DRAWN: DCC

CHECKED: KWB

DATE: 2021.Jan.15

REVISION:

DRAWING:
C3.0

PBS JOB# 66058-004
30-19

1. SEE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

GENERAL EROSION CONTROL NOTES

- 1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROLS. EROSION AND SEDIMENTATION CONTROLS SHALL BE AS RECOMMENDED IN CHAPTER 8 OF THE WSDOT CONSTRUCTION MANUAL AND CHAPTER 710 OF THE WSDOT ROADSIDE MANUAL.
2. IN ADDITION TO THE TEMPORARY EROSION AND SEDIMENT CONTROL METHODS OUTLINED ON THIS PLAN, THE CONTRACTOR IS ENCOURAGED TO EVALUATE THE PROJECT EARTHWORK REQUIREMENTS AND NATURAL DRAINAGE AND STAGE CONSTRUCTION ACTIVITIES TO LIMIT THE EXTENT OF DISTURBED AREAS. THE CONTRACTOR SHALL EVALUATE THE EROSION AND SEDIMENT CONTROLS DURING THE COURSE OF THE PROJECT TO IDENTIFY POTENTIAL PROBLEM AREAS AND PROVIDE ADDITIONAL MEASURES TO INCREASE THEIR EFFECTIVENESS IN MINIMIZING EROSION AND SEDIMENT RUNOFF.
3. SILT FENCING SHALL BE INSTALLED AS DETAILED PRIOR TO ANY CONSTRUCTION WORK THAT INVOLVES EARTHWORK OR WILL POTENTIALLY DISTURB THE NATIVE VEGETATION. WHERE POSSIBLE, SILT FENCING SHALL FOLLOW THE EXISTING GROUND CONTOURS. WHERE SILT FENCING MUST BE INSTALLED ON A SLOPE, THE SLOPE SHALL BE LIMITED TO 3:1 (HORIZONTAL TO VERTICAL) AND GRAVEL CHECK DAMS SHALL BE PLACED AT 10 FOOT INTERVALS TO MINIMIZE RUNOFF FLOW ALONG THE FENCE. TO ENSURE SILT FENCING CAPTURES RUNOFF WATER, ENDS OF FENCING SHALL BE FLARED UPHILL AT LEAST 2 FEET.
4. UPON COMPLETION OF ROUGH SITE GRADING AND PAVING, THE CONTRACTOR SHALL OBSERVE DRAINAGE RUNOFF FLOW ACROSS THE FUTURE BUILDING SITE AND FORM TEMPORARY DRAINAGE SWALES AS NECESSARY TO ENSURE THAT SURFACE WATER IS RETAINED AND NOT PERMITTED TO LEAVE THE SITE OR DRAIN ACROSS STEEPLY GRADED SURFACES RESULTING IN EROSION.
5. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE CLEARING AND DISTURBANCE TO EXISTING VEGETATION OUTSIDE AREAS REQUIRED FOR CONSTRUCTION ACTIVITIES. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE STABILIZED AND RESTORED BY HYDROSEEDING OR OTHER APPROVED METHODS AS EARLY AS PRACTICABLE.
6. STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AT INGRESS/EGRESS POINTS CONNECTING EXISTING PAVED ROADWAYS USING 4" TO 8" QUARRY SPALLS, 15' WIDE FOR A DISTANCE OF AT LEAST 50' SIMILAR TO WSDOT STANDARD PLAN 1-14. AT LEAST 1 CONSTRUCTION ENTRANCE SHALL BE REQUIRED DEPENDING ON CONTRACTORS INGRESS/EGRESS THROUGH THE SITE.
7. SURFACE RUNOFF SHALL NOT BE ALLOWED TO LEAVE THE PROPERTY. LONG-TERM BMP MEASURES TO CONTROL AND RETAIN RUNOFF FROM THE GRADED LOT SHALL INCLUDE TEMPORARY SWALES, PONDS, BERMS, STRAW BALES, ETC. AND MUST BE MAINTAINED AND/OR MODIFIED DURING AND FOLLOWING SITE GRADING ACTIVITIES UNTIL THE LOT IS FULLY-DEVELOPED.
8. ALL ON-SITE CATCH BASINS SHALL BE PROTECTED BY A MANUFACTURED SEDIMENT TRAP, "ULTRA-DRAIN GUARD" TRASH AND DEBRIS MODEL 9227, AS MANUFACTURED BY ULTRATECH INTERNATIONAL, INC., OR AN APPROVED EQUAL.

STORMWATER TABLE

Table with 5 columns: #, TYPE, RIM/GRATE, INVERT OUT ELEV, DOWNSTREAM PIPE LENGTH. Lists various catch basins (CB 4, 5A, 5B, 6, 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, 7K, 7L, 7M, 7N, 7O, 7P, 7Q, 7R, 7S, 7T, 7U, 7V, 7W, 7X, 7Y, 7Z) and storm sewer manholes (SDMH 4, 5, 6, 7, 8, 9, 10) and drywells (DW 4, 5, 6, 7, 8, 9, 10).

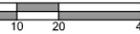
*NOTE: ALL PIPE SLOPE S = 0.0050 FT/FT MIN

ABBREVIATIONS

- BEG BEGIN
BW BOTTOM OF WALL
CF CURB FACE HEIGHT
EXTG EXISTING
FL FLOWLINE
FS FINISH SURFACE
GB GRADE BREAK
HP HIGH POINT
TC TOP OF CURB
TW TOP OF WALL
VC VERTICAL CURVE



Scale 1" = 20'

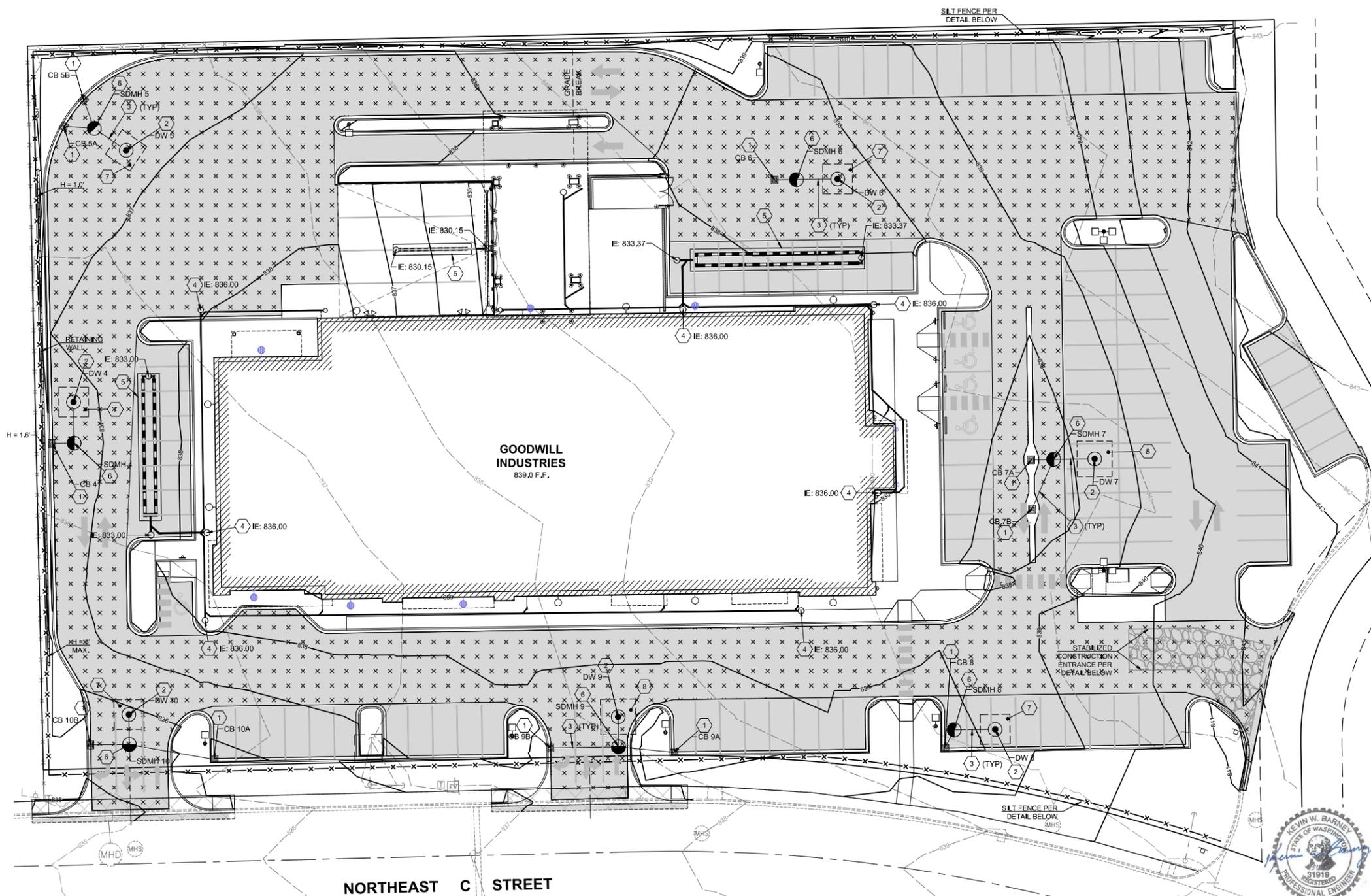


CITY OF COLLEGE PLACE

Approved for Construction Date



PBS Engineering and Environmental Inc.
400 Bradley Blvd., Ste 300
Richland, WA 99352
509.942.1600
pbsusa.com



NORTHEAST C STREET

GOODWILL INDUSTRIES
839.0 F.F.

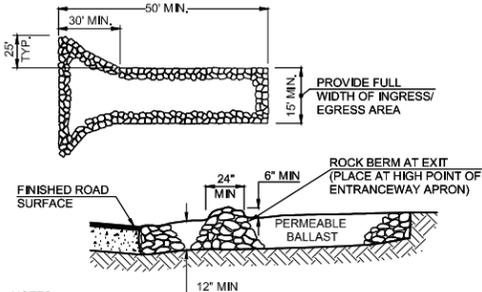
Utility Locate
Call 811
2 Business Days
Before Digging

GRADING NOTES

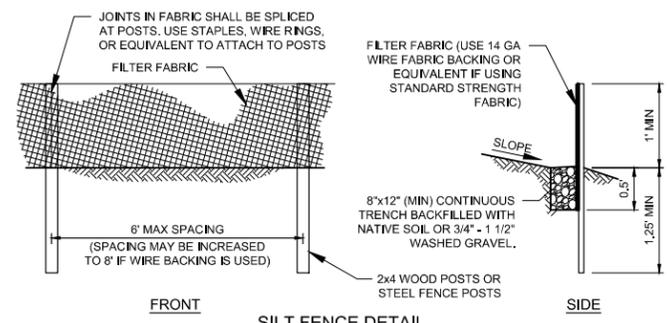
- 1. ALL ELEVATIONS SHOWN HEREON ARE FINISH SURFACE ELEVATIONS UNLESS NOTED OTHERWISE.
2. ALL TOP OF CURB ELEVATIONS (TC) AND ALL DIMENSIONS SHOWN HEREON ARE TO FACE OF CURB.
3. EXISTING AND FINISH CONTOUR INTERVAL = 1'.

KEYED STORM DRAIN CONSTRUCTION NOTES:

- 1 PRECAST CATCH BASIN PER CITY OF COLLEGE PLACE STD, PLANS 311.01, 311.02 AND 311.05.
2 INSTALL DRYWELL PER DETAIL THIS SHEET. DRYWELL SHALL BE WRAPPED IN FILTER FABRIC AND EXTEND TO NATIVE GRAVELS. CONTRACTOR SHALL NOTIFY ENGINEER UPON EXCAVATING SO GRAVEL CAN BE VERIFIED PRIOR TO DRYWELL AND ASSOCIATED INFRASTRUCTURE BEING INSTALLED.
3 STORMWATER PIPE, ADS N-12, PVC DR35, OR ENGINEER'S APPROVED EQUAL.
4 ROOF DRAIN POINT OF CONNECTION, 6" PVC SD, PROVIDE SDCO AT CONNECTION TO FOOTING DRAIN PER DETAIL C5.0, MINIMUM PIPE SLOPE S=0.5%
5 INSTALL PERFORATED STORMWATER PIPE TRENCH PER DETAIL SHEET C5.0. DRAINAGE ROCK SHALL BE WRAPPED IN FILTER FABRIC.
6 INSTALL STORM SEWER MANHOLE PER CITY OF COLLEGE PLACE STD, PLAN 311.04.
7 INSTALL 2 FOOT DRAIN ROCK ENVELOPE. SEE DRYWELL DETAIL SHEET C5.0.
8 INSTALL 3 FOOT DRAIN ROCK ENVELOPE. SEE DRYWELL DETAIL SHEET C5.0.



- NOTES:
1. EXCAVATE MINIMUM OF 12" OF EXISTING SOILS.
2. PERMEABLE BALLAST (2" TO 2-1/2" ROCK) PER WSDOT STD. SPEC. 9-03.9(2).
3. CONSTRUCT ROCK BERM ALONG TRANSITION POINT TO FINISH PAD SURFACE. DIVERT RUNOFF TO ONSITE AREA.



FRONT SILT FENCE DETAIL SIDE

L:\Projects\66058\66058-004\CAD\Working\Sheets\66058-004_C3.0.dwg Layout: 66058-004_C3.0 Date: 2021-Jan-15, 5:04 PM