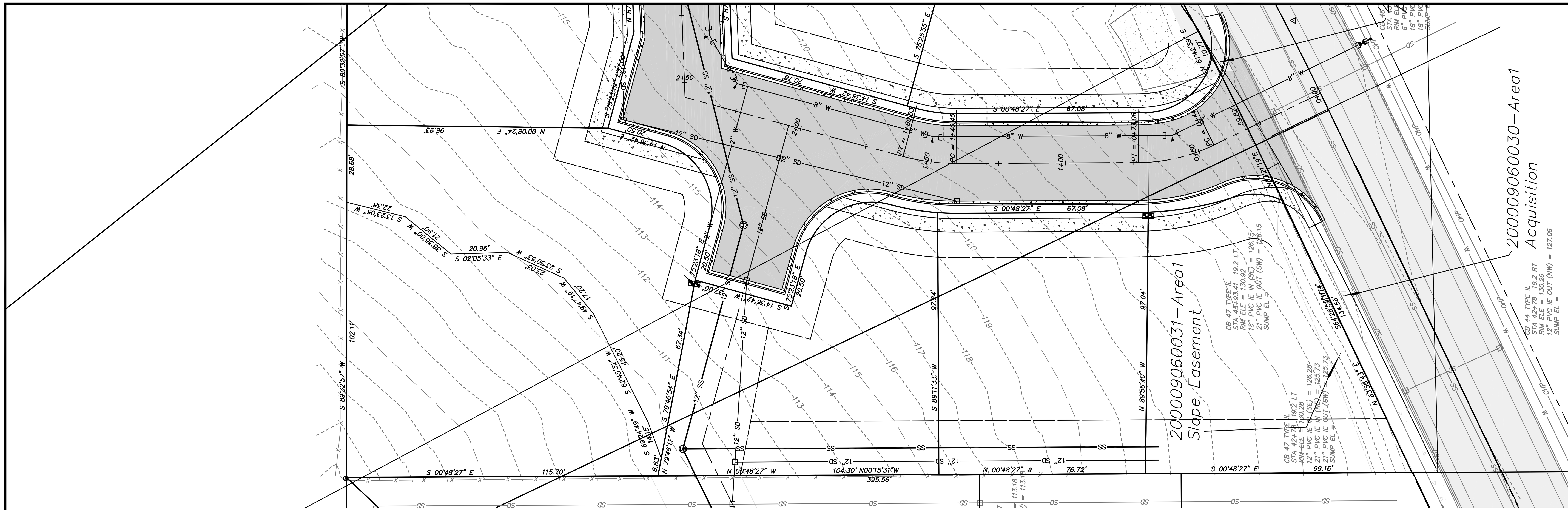
Road Profile shown with road grades in %
Station
Equations for intersecting roads
Measure lines to verify view port scale is correct
Verify all detail callouts are correctly referenced
LBL Horizontal & vertical scale in profile
LBL lines in profile – Existing ground – LT & RT gnd profiles
Profile – Show ground Line left & right of Centerline and Center Lines
P–edit Ground Lines & LTGen, Center Line and type for Centerline and dashed types for left & right Profiles
Label Pipe slopes and grades
Verify all crossings for intersection with sewer/water/storm
Verify all grades Hand Calculate
Show piping text in profiles only
Final and interim grade contours as appropriate, drainage basins, and the direction of stormwater flow during and upon completion of construction.
Cut and fill slopes indicating top and bottom of slope catch lines.
Locations for swales, interceptor trenches, or ditches.
Temporary and permanent pipe inverts and minimum slopes and cover.
Grades, dimensions, and direction of flow in all ditches and swales, culverts, and pipes.
Details, for bypassing off–site runoff around disturbed areas.
Locations and outlets of any dewatering systems.
Dimension pond berm widths and inside and outside pond slopes.
Typical section views through pond and outlet structure.
Control/ restrictor device location & details.
Rock specifications and detail for rock check dam, if used.

PE/LS Stamp Current Reg. Date
Project Number
Drawing Number
Sheet Numbers
Project Title
Sheet Name
Company Name & Logo
Drawing Scale
North Arrow
Drawn By
Checked By
Revision Block
One Call Number
Approval Signature block – edited for reviewing agency
Road Names
Bearing/Distance Centerline of Roads
Township, Section, Range
Spell Check
Agency Project Number
Division/Phase Boundaries
Adjoining Plats
Measure lines to verify view port scale is correct

Z:\Projects\2016\16027–Pinnacle Resources\dwg\16027.dwg Mar 24, 2017 – 3:28pm



SANITARY SEWER CONSTRUCTION NOTES:

1. EXCAVATE EXISTING SEWER LINE & REPLACE WITH NEW 6" PVC LINE. MATCH GRADE AND ALIGNMENT. CONTRACTOR TO CAMERA EXISTING SEWER LINE & VERIFY CONNECTION LOCATION & NOTE FOR ASBUILTING OF SEWER LINE.
2. TIE TO EXISTING SEWER MANHOLE. RECAST CHANNELS IN BASE TO DIRECT FLOWS TO DOWNSTREAM INVERT.
3. BRING EXISTING SSMH TO GRADE.
4. INSTALL 6" SS LINE TO FUTURE BUILDING. MIN

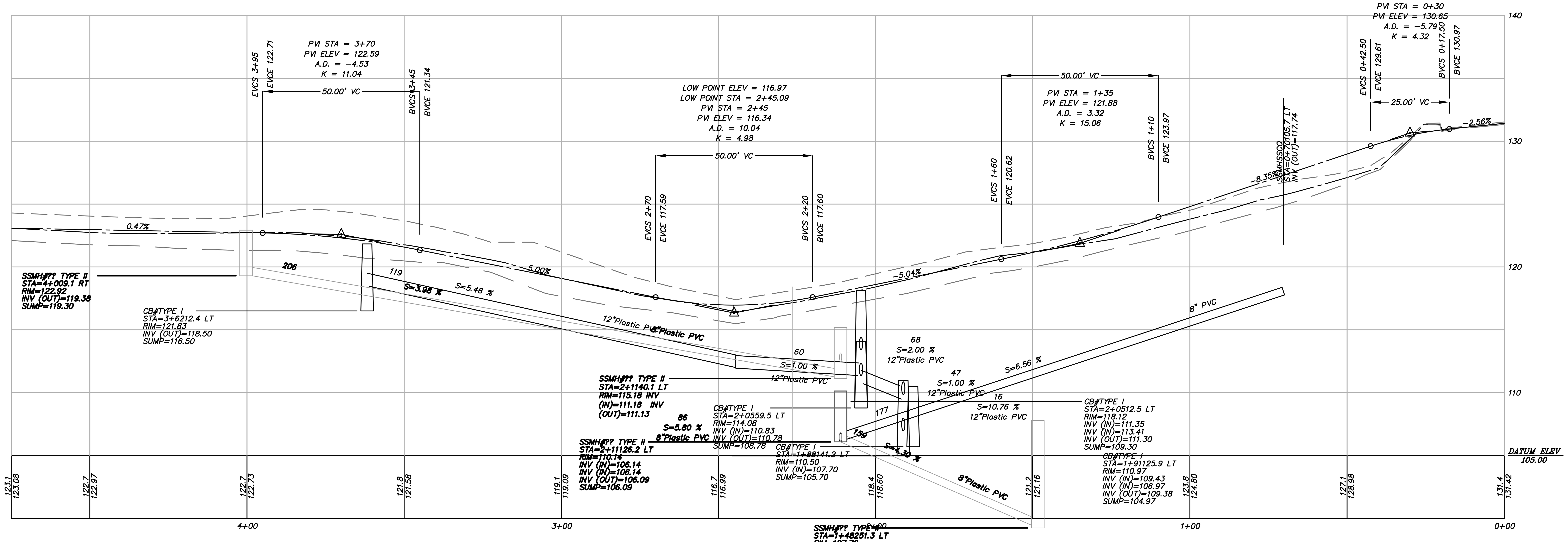
WATER CONSTRUCTION NOTES:

WATER INSTALLATION SHALL BE PER SKAGIT COUNTY PUD #1 SPEC SHEETS C11 & C12. WHERE TAPPING SLEEVE OCCURS, TAP TO BE BY CERTIFIED TAPPING COMPANY APPROVED BY PUD.

1. EXCAVATE EXISTING WATER SERVICE & REPLACE WATER SERVICE LINE BETWEEN WATER METER AND FACE OF BLDG WITH NEW 4" GALVANIZED IRON PIPE.
2. RELOCATE HYDRANT.
3. DEDUCT METER FOR IRRIGATION SEE DETAIL

WATERLINE NOTES

THE DEVELOPER'S PRIVATE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EXCAVATION, SHORING, DEWATERING, TRAFFIC CONTROL, CONCRETE THRUST BLOCKING, BACKFILL, COMPACTION AND SURFACE RESTORATION WORK NECESSARY FOR THE DISTRICT'S WORK.



	4+00		3+00		2+00		1+00		0+00
123.1 / 123.08	122.7 / 122.97	122.7 / 122.73	121.8 / 121.58	119.1 / 119.09	116.7 / 116.99	118.4 / 118.60	121.2 / 121.16	123.8 / 124.80	127.1 / 128.98	131.4 / 131.42
122.1	121.8	121.3	120.5	117.7	115.7	117.4	120.0	122.9	126.7	131.3
124.3	124.0	124.0	123.7	121.2	117.7	119.5	121.9	124.5	127.6	131.5

NORTH

GRAPHIC SCALE
(IN FEET)
1 inch = ft.
? FOOT CONTOURS

DOUGLAS E. SCHWIND STATE OF WASHINGTON 28023 REGISTERED PROFESSIONAL ENGINEER

CALL 48 HOURS BEFORE YOU DIG 811

DESCRIPTION	REV	REVISED	BY	CHK

PROJECT FOR CLIENT

SECTION 18 , T 34 N, R 4 E, W.M.

DATE
SCALE N/A
DRAWN BY
CHECKED BY des

NORTHWEST DATUM & DESIGN, Inc.
CIVIL ENGINEERING AND SURVEYING SOLUTIONS
2209 MONICA DRIVE
MOUNT VERNON, WASHINGTON 98273
PH: (360) 424-4865 FAX: (360) 424-4866
DOUGLAS E. SCHWIND P.E., P.L.S.

STORM DRAINAGE AND GRADING PLAN

PROJECT
DRAWING
SHEET CX OF C