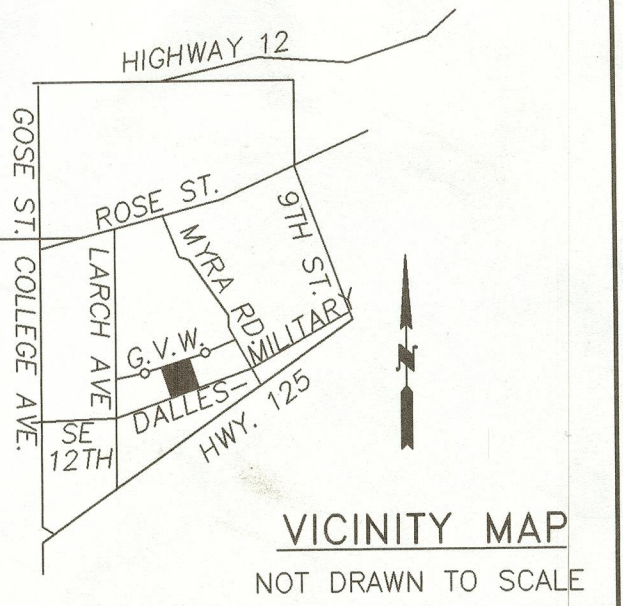


VILLAGES AT GARRISON CREEK PHASE TEN COLLEGE PLACE, WASHINGTON VALLEY DEVELOPMENT



SYMBOL LEGEND		
EXISTING	PROPOSED	
- - - - -	[Solid Line]	NEW ACP
- - - - -	[Dashed Line]	SIDEWALK
- - - - -	[Dashed Line]	EDGE OF PAVEMENT
- - - - -	[Dashed Line]	CURB
- - - - -	[Dashed Line]	ROW / PROP LINE
- - - - -	[Dashed Line]	EASEMENT
- - - - -	[Dashed Line]	ORIGINAL GROUND CONTOUR
- - - - -	[Dashed Line]	STORM DRAIN
- - - - -	[Dashed Line]	SANITARY SEWER LINE
- - - - -	[Dashed Line]	WATER LINE
- - - - -	[Dashed Line]	GAS LINE
- - - - -	[Dashed Line]	WATER LINE
[Circle]	[Circle]	4" SS SERVICE UTILITY LINE
[Circle]	[Circle]	WATER SERVICE
[Circle]	[Circle]	EXF TRENCH
[Circle]	[Circle]	MONUMENT
[Circle]	[Circle]	STREET LIGHT
[Circle]	[Circle]	STREET SIGN
[Circle]	[Circle]	SANITARY SEWER MANHOLE
[Circle]	[Circle]	CLEAN OUT
[Circle]	[Circle]	CATCH BASIN
[Circle]	[Circle]	STORM DRAIN MANHOLE
[Circle]	[Circle]	VALVE
[Circle]	[Circle]	FIRE HYDRANT
[Circle]	[Circle]	PIPE STUB-OUT
[Circle]	[Circle]	BLOW OFF
[Circle]	[Circle]	FLOW DIRECTION
[Circle]	[Circle]	POWER POLE
[Circle]	[Circle]	POWER VAULT
[Circle]	[Circle]	TREE
[Circle]	[Circle]	GUY WIRE
[Circle]	[Circle]	WELL
[Circle]	[Circle]	TELEPHONE MANHOLE
[Circle]	[Circle]	ARCH REC. FF ELEV
[Circle]	[Circle]	ENG REC. FF ELEV

CONSTRUCTION NOTES

- EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL NOTIFY THE UNDERGROUND UTILITY LOCATION CENTER 48 HRS. IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS & TECHNIQUES OF CONSTRUCTION AS WELL AS MAINTAINING A SAFE WORK PLACE FOR ALL CONSTRUCTION ACTIVITIES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF CITY OF COLLEGE PLACE AND WSDOT STANDARD SPECIFICATIONS AND STANDARD PLANS.
- CONTRACTOR SHALL CONTROL DUST IN ACCORDANCE WITH LOCAL AIR POLLUTION CONTROL AUTHORITY AND DEPT. OF ECOLOGY.
- CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING ALL PERMITS NECESSARY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ADHERE TO ALL PERMIT REQUIREMENTS.
- PLACE MONUMENTS SHOWN PER CITY STD.
- CONTRACTOR SHALL PROVIDE OWNER WITH ONE SET OF PLANS SHOWING ALL CHANGES FROM THE APPROVED DESIGN DIMENSIONS AND ELEVATIONS FOR USE IN PREPARING CONSTRUCTION RECORD DRAWINGS.

STORM SEWER NOTES

- STORM SEWER PIPE TO BE SDR 35 PVC.
- CATCH BASINS SHALL BE PER CITY OF COLLEGE PLACE STD PLAN NO. 311.02 WITH INLAND FOUNDRY FRAME NO. 432 AND GRATE STYLE D-2.
- BEDDING AND BACKFILLING TRENCHES SHALL BE IN ACCORDANCE WITH CITY STANDARD PLAN NO. 310.07.
- EXFILTRATION TRENCH PER DETAIL SHEET 3.

SEWER NOTES

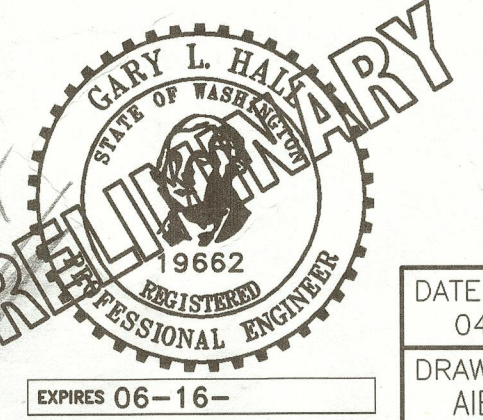
- SEWER PIPE TO BE SDR 35 PVC IN 13' JOINTS.
- TRENCH EXCAVATION & BACKFILL SHALL BE IN CONFORMANCE WITH CITY OF COLLEGE PLACE STANDARD PLAN NO. 310.07.
ALL PIPE SHALL BE FULLY BEDDED WITH A MINIMUM OF 4" UNDER PIPE AND 6" OVER PIPE WITH MATERIALS PER THE STANDARD SPECIFICATIONS OR AS APPROVED BY CITY ENGINEER PRIOR TO USE.
SERVICE LATERALS SHALL BE FULLY BEDDED.
WHEN GROUNDWATER IS PRESENT, OVER EXCAVATE TO 12" BELOW INVERT AND BACKFILL WITH COMPACTED CLASS B FOUNDATION MATERIAL PER WSDOT 9-03.17.
- MANHOLE CONSTRUCTION IN ACCORDANCE WITH CITY OF COLLEGE PLACE STD PLAN NO. 310.01 & 310.06.
- SEWER SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH CITY OF COLLEGE PLACE STD PLAN 310.05.
- END OF ALL SEWER STUBS SHALL BE LOCATED AND MARKED WITH A STEEL FENCE POST AND 12 GA COPPER TRACER WIRE.
- AIR TEST AT 5 PSI. ADDITIONALLY, ACCEPTANCE BASED ON SATISFACTORY T.V. REPORT. CONTRACTOR SHALL CALL CITY OF COLLEGE PLACE WASTEWATER DIRECTOR 48 HOURS BEFORE REQUIRED T.V. INSPECTION.

WATER

- NEW 12"x8" WATER LINES TO BE CL 50 DUCTILE IRON. 4" SHALL BE PVC C900. 2" SHALL BE 200 PSI POLYETHYLENE WITH COPPER OUTSIDE DIAMETER.
- MAINTAIN 30" COVER OVER PIPE. COMPACT BACKFILL TO 95% MAXIMUM DENSITY PER ASTM D-698.
- FIRE HYDRANTS TO BE PER CITY OF COLLEGE PLACE STANDARD 210.02.
- WATER SERVICES TO BE 1" COPPER WITH CORP STOP AT MAIN AND CURB STOP AT PROPERTY LINE.
- DISINFECT & TEST PER LATEST EDITION OF WSDOT STANDARD.

Thrust Protection?
2" meter but Brooks #67
DETAIL SHEET PRELIMINARY

APPROVED:
CITY OF COLLEGE PLACE



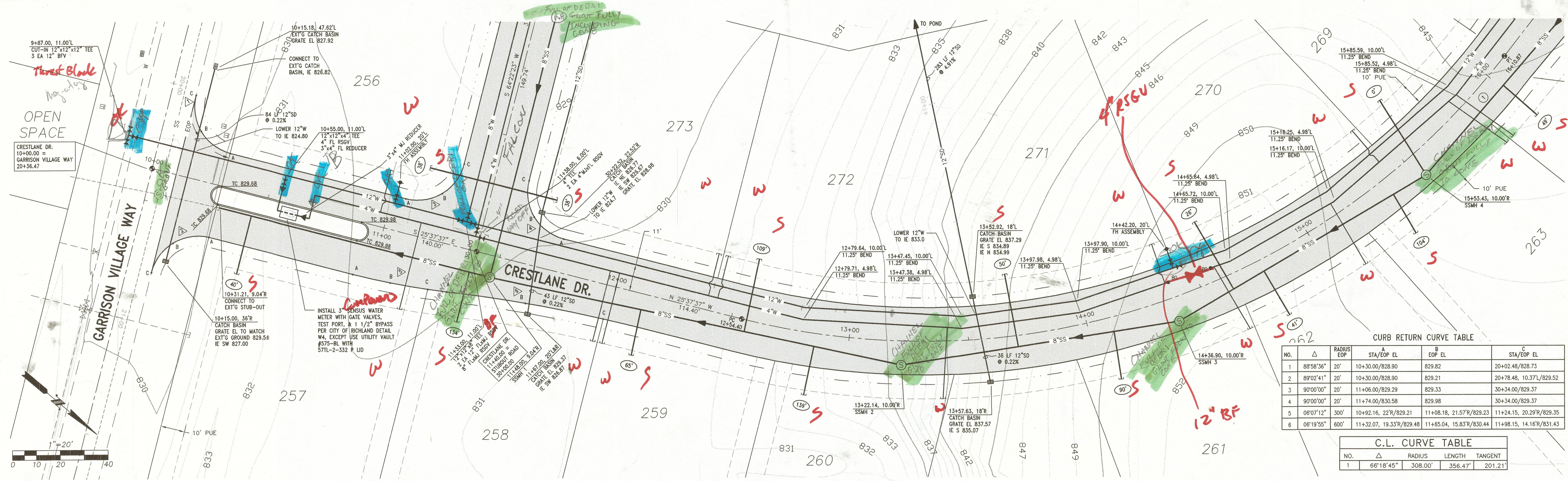
1"=30'
0 15 30 60
NE, SE, SW, AND SE 1/4'S OF THE NE 1/4 OF SECTION 36, TWP. 7 NORTH, RNG. 35 EAST, W.M., CITY OF COLLEGE PLACE, WALLA WALLA COUNTY, WASHINGTON.
BASIS OF BEARINGS
N 01°26'52" W ALONG LARCH ST. CENTERLINE AS SHOWN ON SURVEY VOLUME 6 PAGE 295.
VERTICAL DATUM
NGVD '29

City Comments rec'd 4-28-04

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SE CRESTLANE DR. P/P STA. 9+50 TO 16+00
3	SE CRESTLANE DR. P/P STA. 15+50 TO 19+00
4	P/P STUB ROAD P/P
5	LOTS 271 & 272 STORM DRAIN P/P
6	LOT 267 STORM DRAIN P/P

SHEET 1 OF 6
CALL BEFORE YOU DIG (800) 553-4344

DATE: 04-21-04	VALLEY DEVELOPMENT	HALL ENGINEERING ASSOCIATES
DRAWN BY: AIB		
DWG. NO. 061-D083	VILLAGES AT GARRISON CREEK; PHASE 10	10 SOUTH AUBURN - KENNEWICK, WA 99336 (509) 582-2200 - FAX (509) 586-2897
	COVER SHEET	

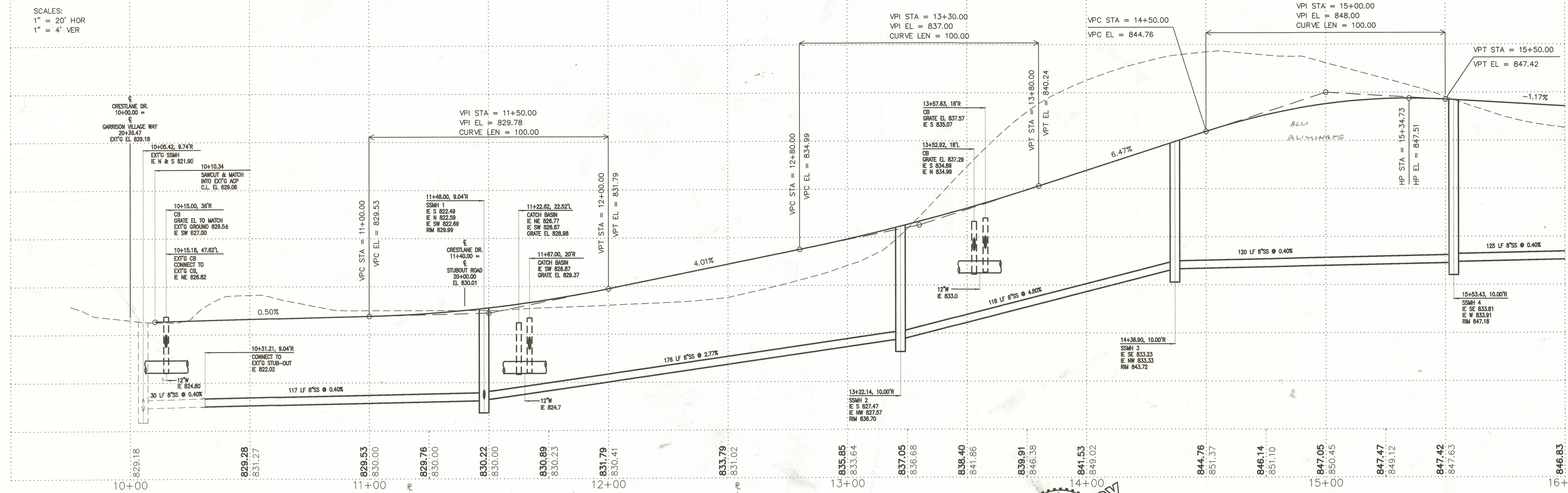


CURB RETURN CURVE TABLE

NO.	Δ	RADIUS	A STA/EOP EL	B EOP EL	C STA/EOP EL
1	88°58'36"	20'	10+30.00/828.90	829.21	20+02.48/828.73
2	89°02'41"	20'	10+30.00/828.90	829.21	20+78.48, 10.37L/829.52
3	90°00'00"	20'	11+06.00/829.29	829.33	30+34.00/829.37
4	90°00'00"	20'	11+74.00/830.58	829.98	30+34.00/829.37
5	06°07'12"	300'	10+92.16, 22°R/829.21	11+08.18, 21.57°R/829.23	11+24.15, 20.29°R/829.35
6	06°19'55"	600'	11+32.07, 19.33°R/829.48	11+65.04, 15.83°R/830.44	11+98.15, 14.16°R/831.43

C.L. CURVE TABLE

NO.	Δ	RADIUS	LENGTH	TANGENT
1	66°18'45"	308.00'	356.47'	201.21'

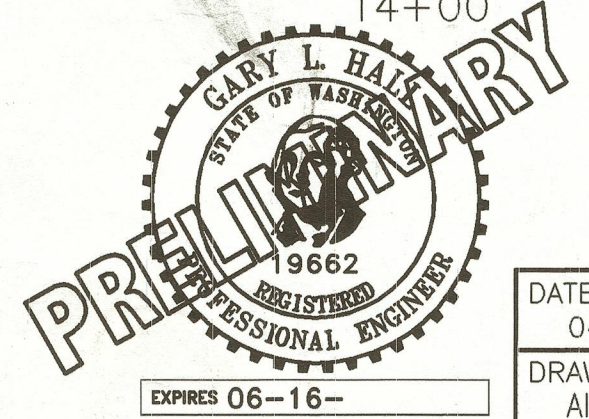
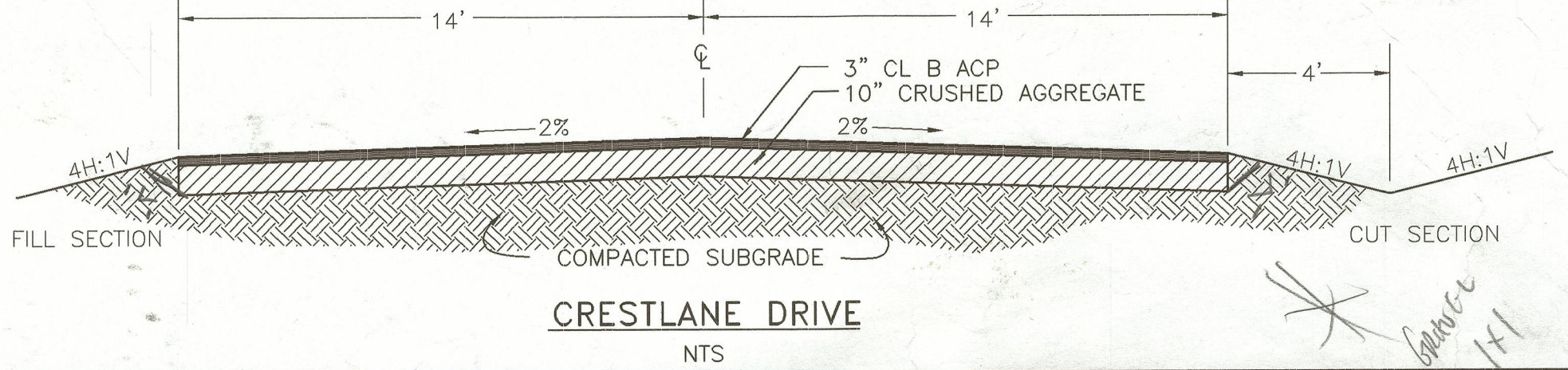


PROFILE LEGEND

- EXISTING GROUND
- DESIGN & FINISH GRADE
- ⊕ ELEVATION

DESIGN
 --- EXT'G

C:\D\61-VALDE\PHASE 10\DESIGN\PCPD0101.DWG
 REFERENCED DRAWINGS: C:\D\61-VALDE\PHASE 10\DESIGN\rcprf001.dwg
 C:\D\61-VALDE\PHASE 10\DESIGN\BASE.dwg
 C:\D\61-VALDE\PHASE 10\DESIGN\CONTOURS.dwg



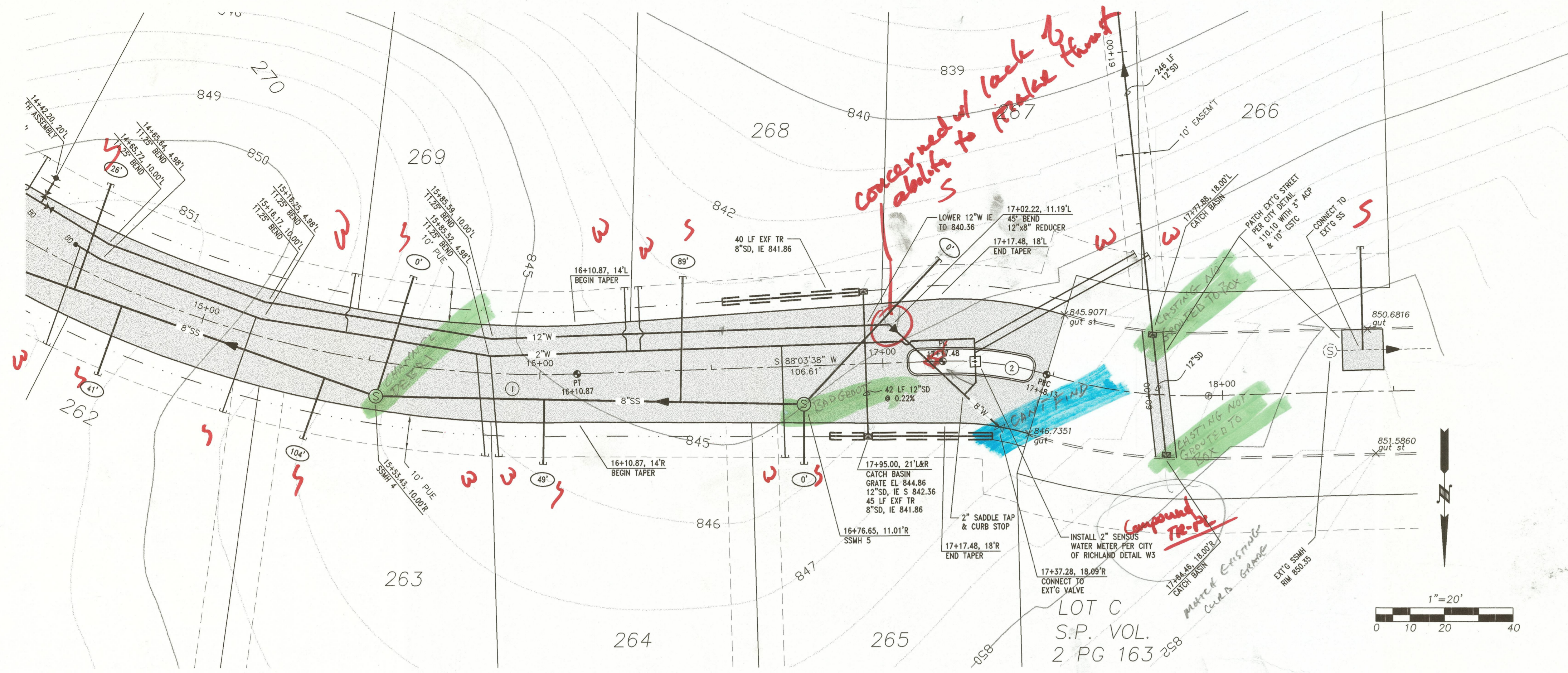
SHEET 2 OF 6
 CALL BEFORE YOU DIG (800) 553-4344

VALLEY DEVELOPMENT
 VILLAGES AT GARRISON CREEK, PHASE 10
 CRESTLANE DR. PIP STA. 9+50 TO 16+00

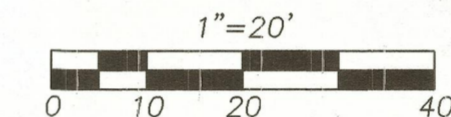
HALL ENGINEERING ASSOCIATES
 10 SOUTH AUBURN - KENNEWICK, WA 99336
 (509) 582-2200 - FAX (509) 586-2897

DATE: 04-21-04
 DRAWN BY: AIB
 DWG. NO: 061-D084

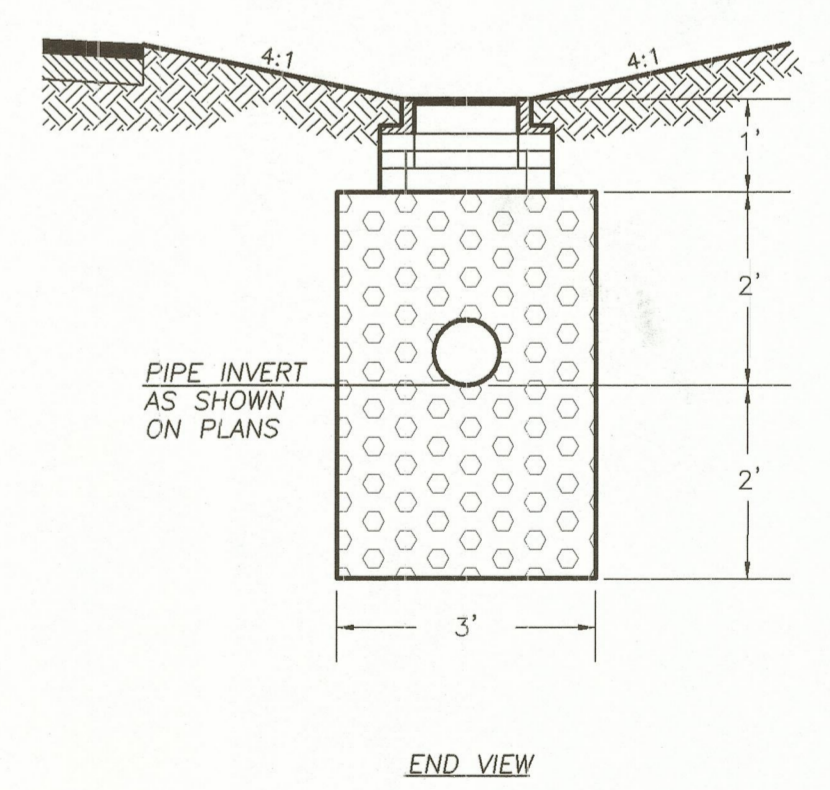
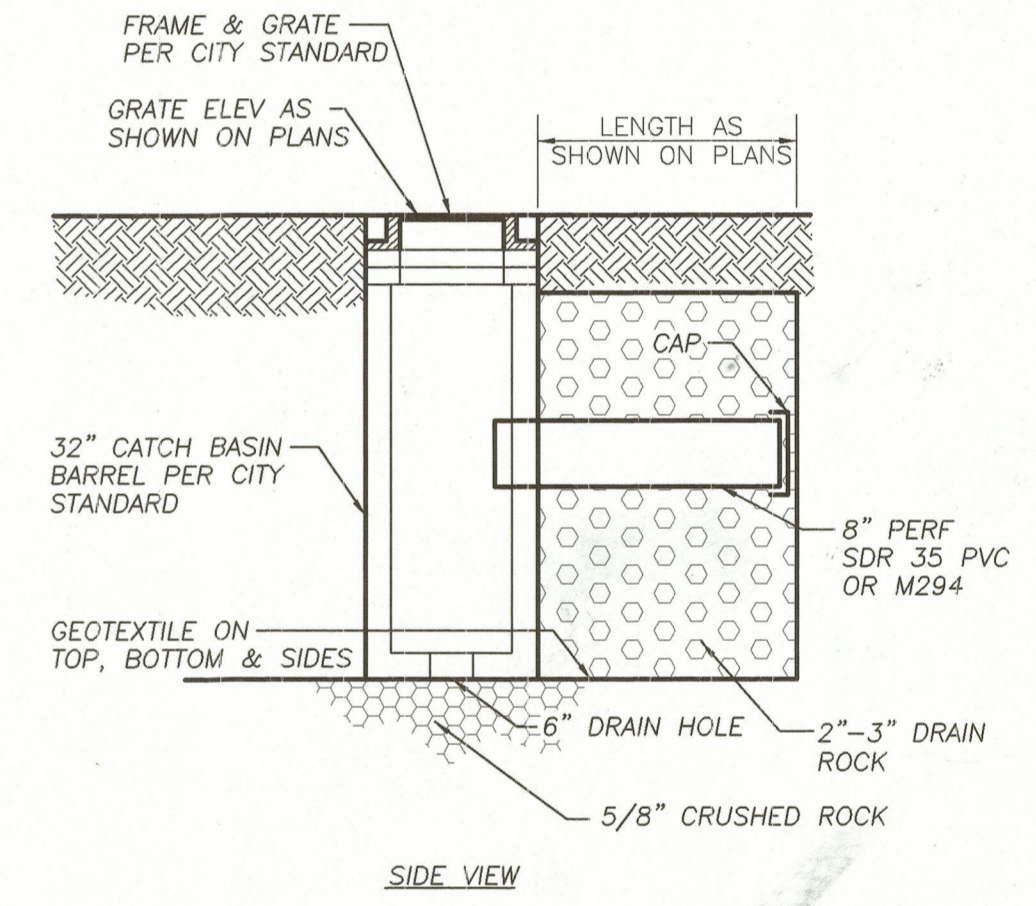
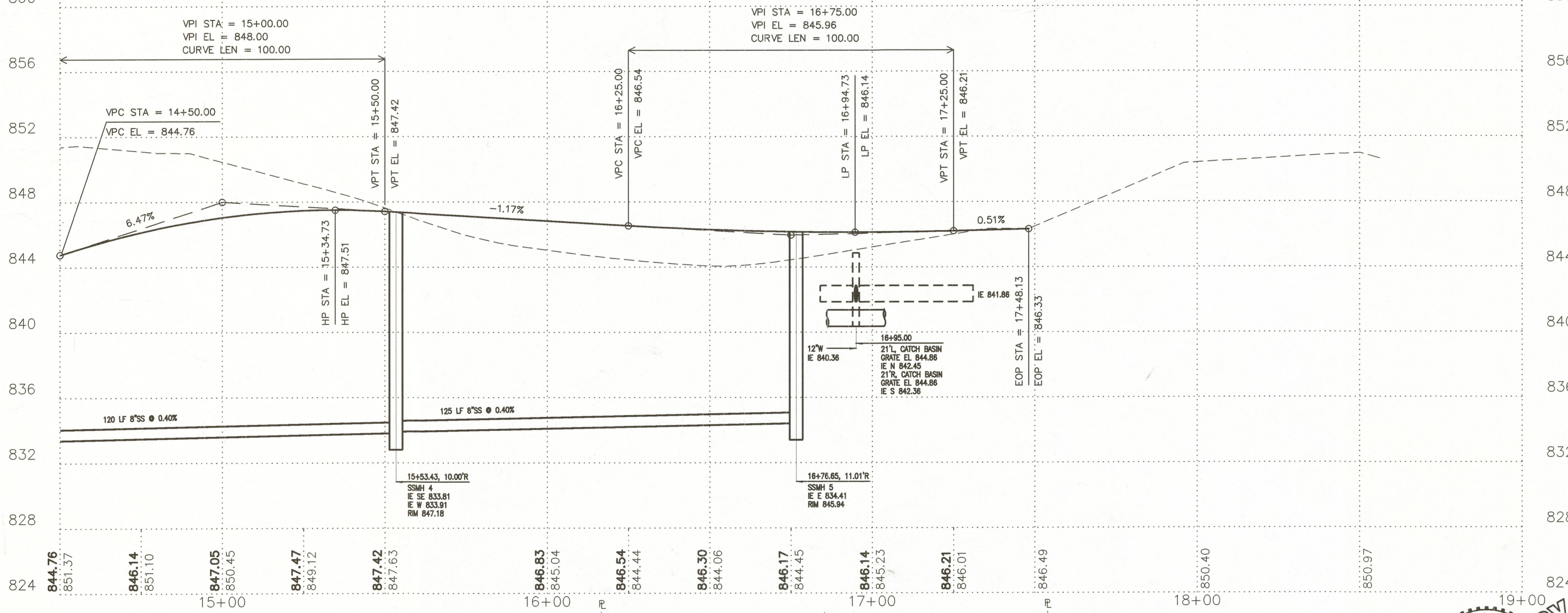
C.L. CURVE TABLE				
NO.	Δ	RADIUS	LENGTH	TANGENT
1	66°18'45"	308.00'	356.47'	201.21'
2	18°44'12"	93.71'	30.64'	15.46'



12" BANDS MEG-A-LUG + THRUST
8" FIELD LOCK GASKETS + MEG-A-LUG + THRUST



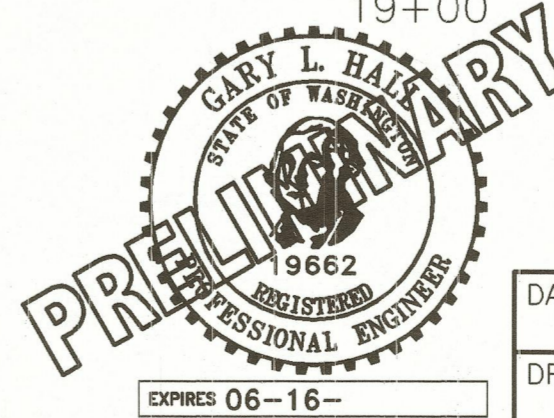
SCALES:
 1" = 20' HOR
 1" = 4' VER



CATCH BASIN & PERCOLATION TRENCH DETAIL

PROFILE LEGEND	
	EXISTING GROUND
	DESIGN & FINISH GRADE
	DESIGN
	EXT G
	ELEVATION

C:\D\61-VALDE\PHASE 10\DESIGN\RCP02001.DWG
 REFERENCED DRAWINGS: C:\D\61-VALDE\PHASE 10\DESIGN\RCPFR001.DWG
 C:\D\61-VALDE\PHASE 10\DESIGN\BASE.DWG
 C:\D\61-VALDE\PHASE 10\DESIGN\CONTOURS.DWG



SHEET 3 OF 6
 CALL BEFORE YOU DIG (800) 553-4344

DATE: 04-21-04	VALLEY DEVELOPMENT	HALL ENGINEERING ASSOCIATES
DRAWN BY: AIB		
DWG. NO: 061-D085	VILLAGES AT GARRISON CREEK; PHASE 10 CRESTLANE DR. P/P STA. 14+50 TO 19+00	10 SOUTH AUBURN - KENNEWICK, WA 98336 (509) 582-2200 • FAX (509) 586-2897