



Area of Disturbance = 17,996 SF

Earthwork Quantities					
Description	CUT	FILL	NET	Max CUT	Max FILL
Proposed Residence	142	17	125 (CUT)	4.40	2.00
Proposed ADU	10	48	38 (FILL)	1.50	2.30
Driveway	128	173	45 (FILL)	5.00	4.50
Infiltration Trench	74	46	28 (CUT)	7.80	2.50
Water Tank Pad	0	17	17 (FILL)	0.00	1.70
<b>Total</b>	<b>354</b>	<b>301</b>	<b>70 (CUT)</b>		

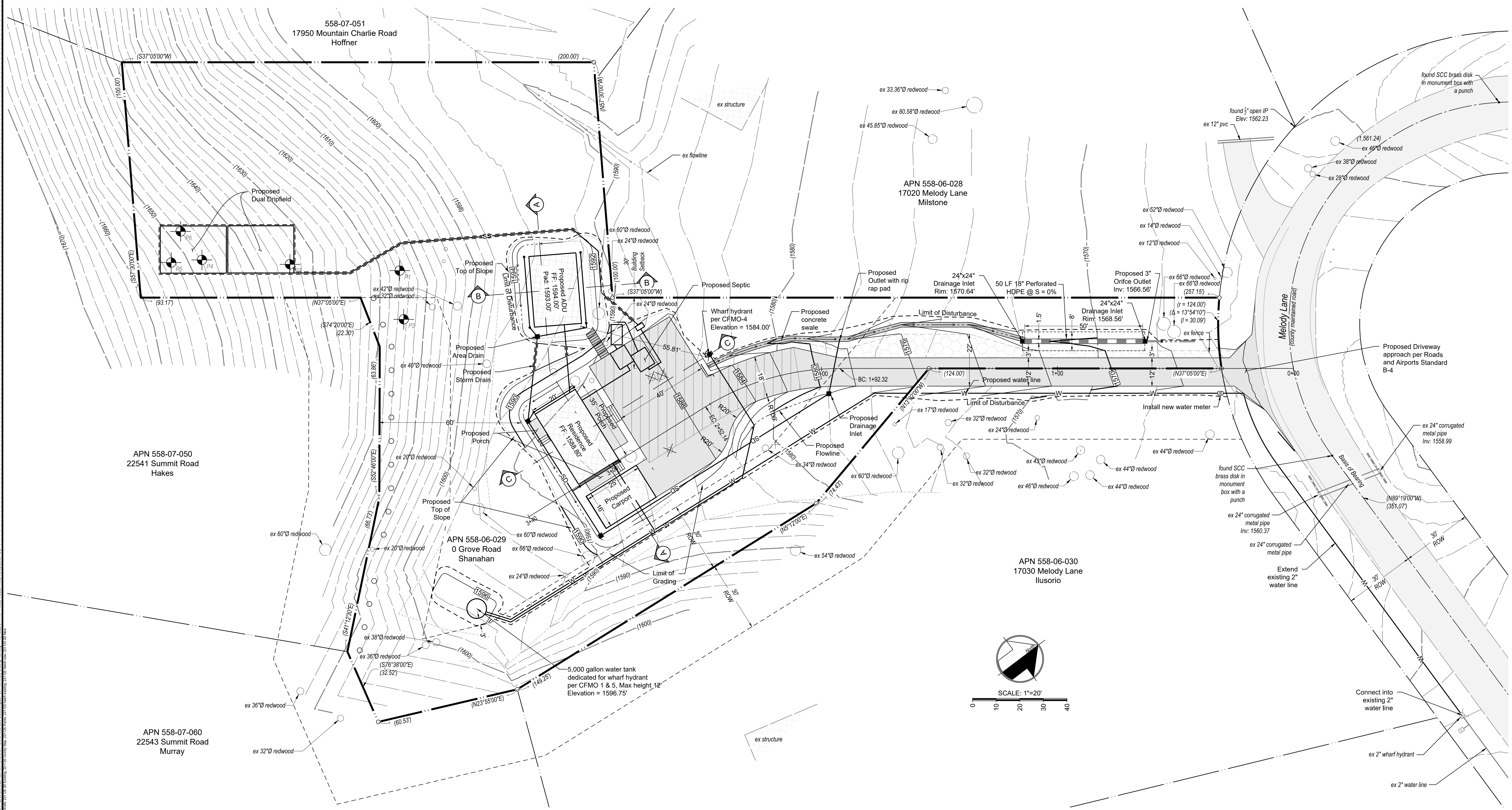
Impervious Area Summary	
Description	Area (SF)
Proposed Residence	700
Proposed ADU	600
Carport	400
Driveway	5309
Covered Porch	302
<b>Total Impervious Area</b>	<b>7311</b>

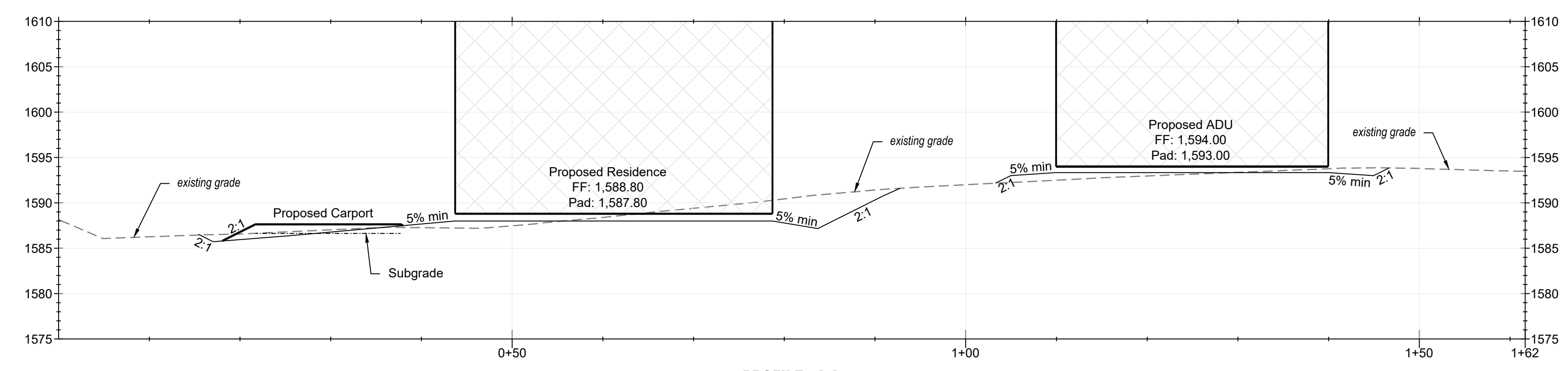
Drainage Notes

- All culverts shall be made of high density polyethylene (HDPE), polyvinyl chloride (PVC), or reinforced concrete (RCF). All culverts shall have a smooth interior.
- Inlets shall be made of concrete and have a smooth bottom.
- All roof downspouts shall be directed onto splash blocks to drain away from the foundation at a minimum of 5% into vegetated areas.
- All roof downspouts shall be connected to the storm drain system as shown and directed into the treatment area.
- Paved surfaces adjacent to foundations shall be sloped away at a minimum of 2%. Unpaved surfaces adjacent to foundations shall be sloped away at a minimum of 5%.
- All non improved disturbed areas shall be hydro seeded with native vegetation.

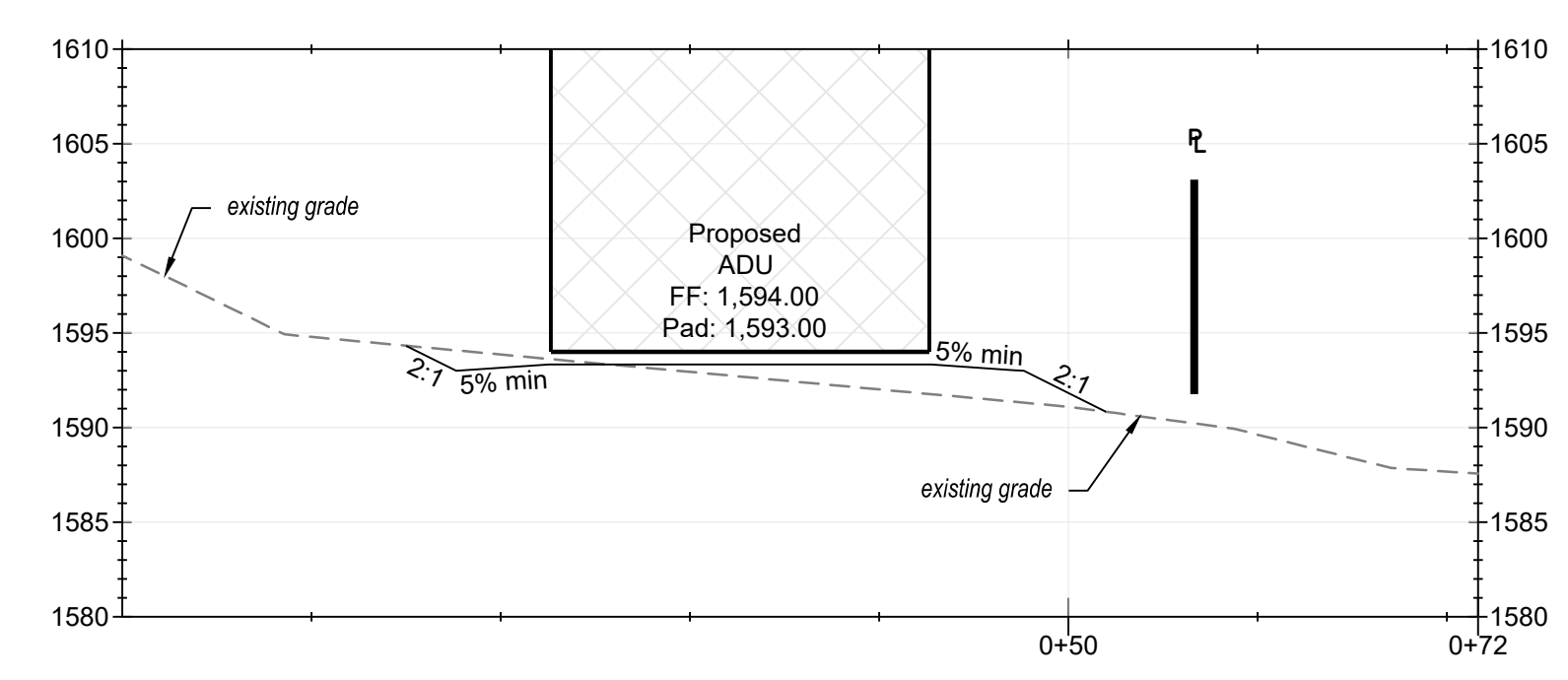
Drainage Calculation Notes

- Project is required to meet tier 1 post construction performance requirements.
- The stormwater will be treated via an infiltration trench located along the driveway. See detail on sheet 3.
- The peak flow mitigation will be achieved through an orifice located on the outlet of the infiltration trench. See detail on sheet 3.
- The post development stormwater will be collected via a storm drain system as shown and a drainage ditch along the driveway.
- The outflow will be routed into the natural drainage path of the property.
- A drainage ditch will be placed above the development area to redirect runoff around the development.
- All flowlines will end with an energy dissipater device.

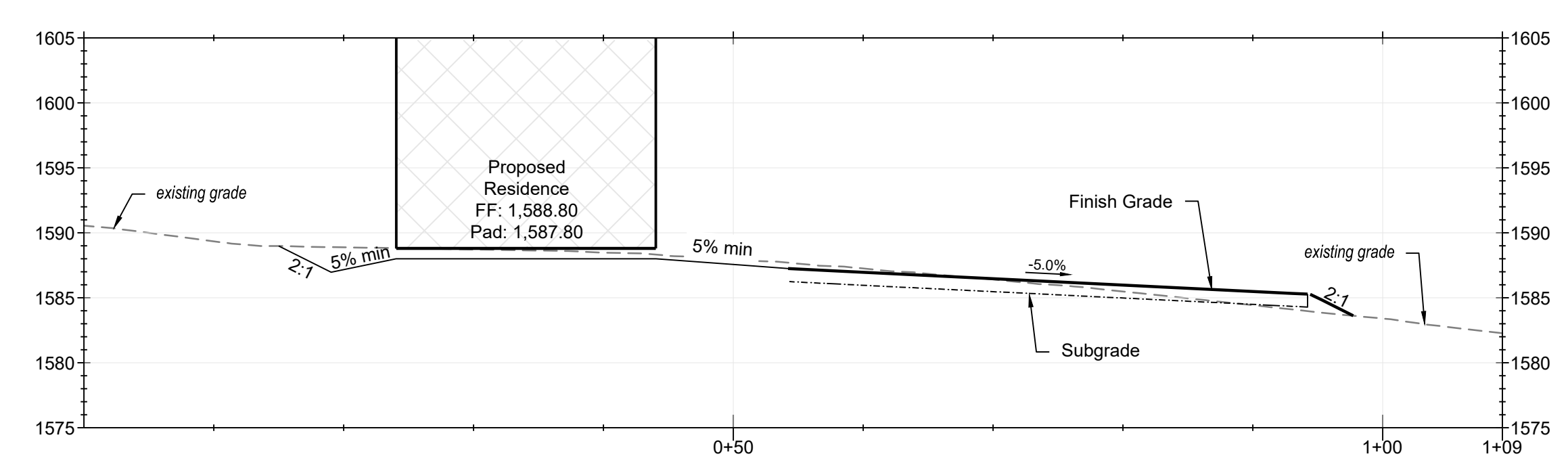




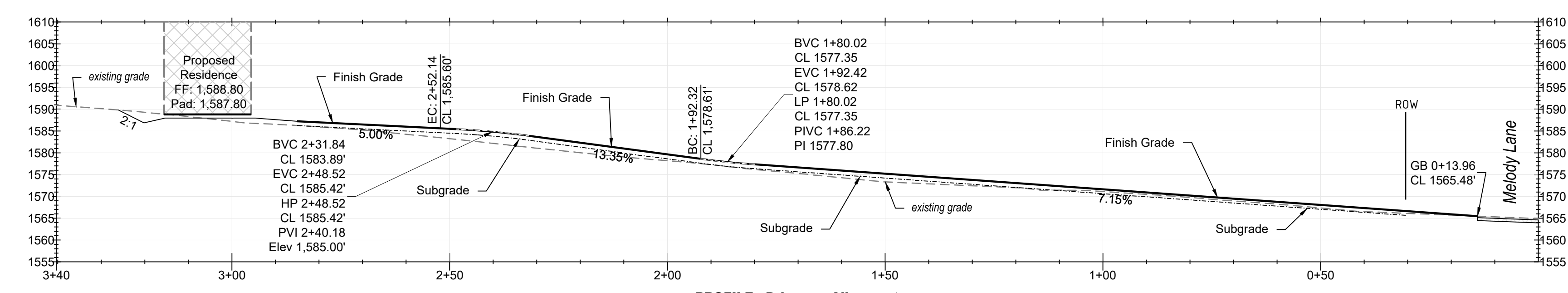
**PROFILE: A-A**  
 SCALE H: 1"=10' SCALE V: 1"=10'



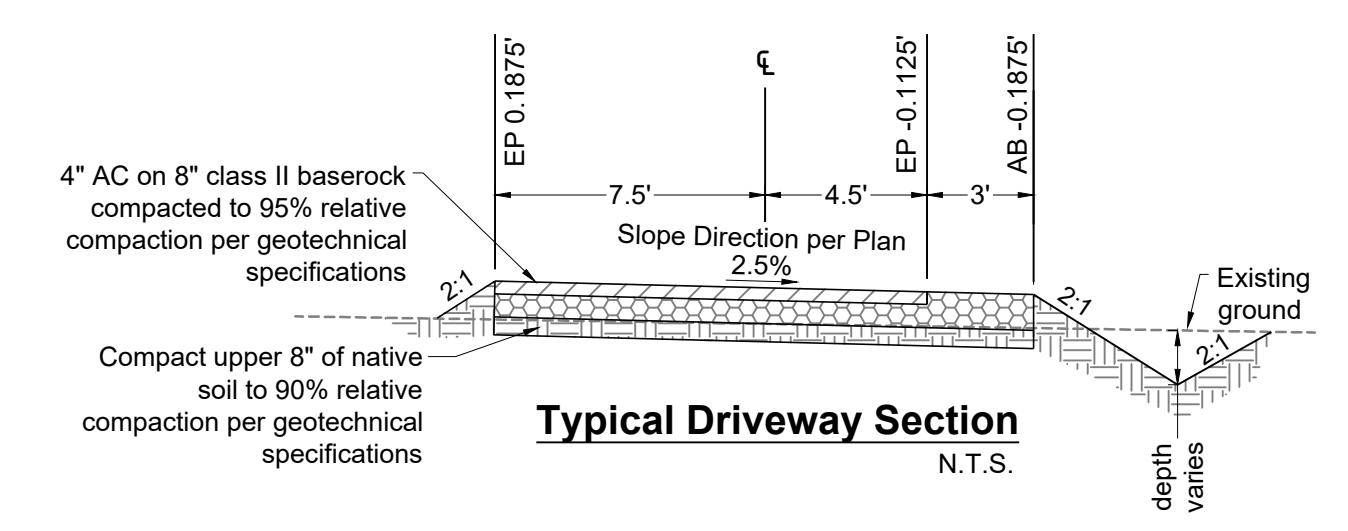
**PROFILE: B-B**  
 SCALE H: 1"=10' SCALE V: 1"=10'



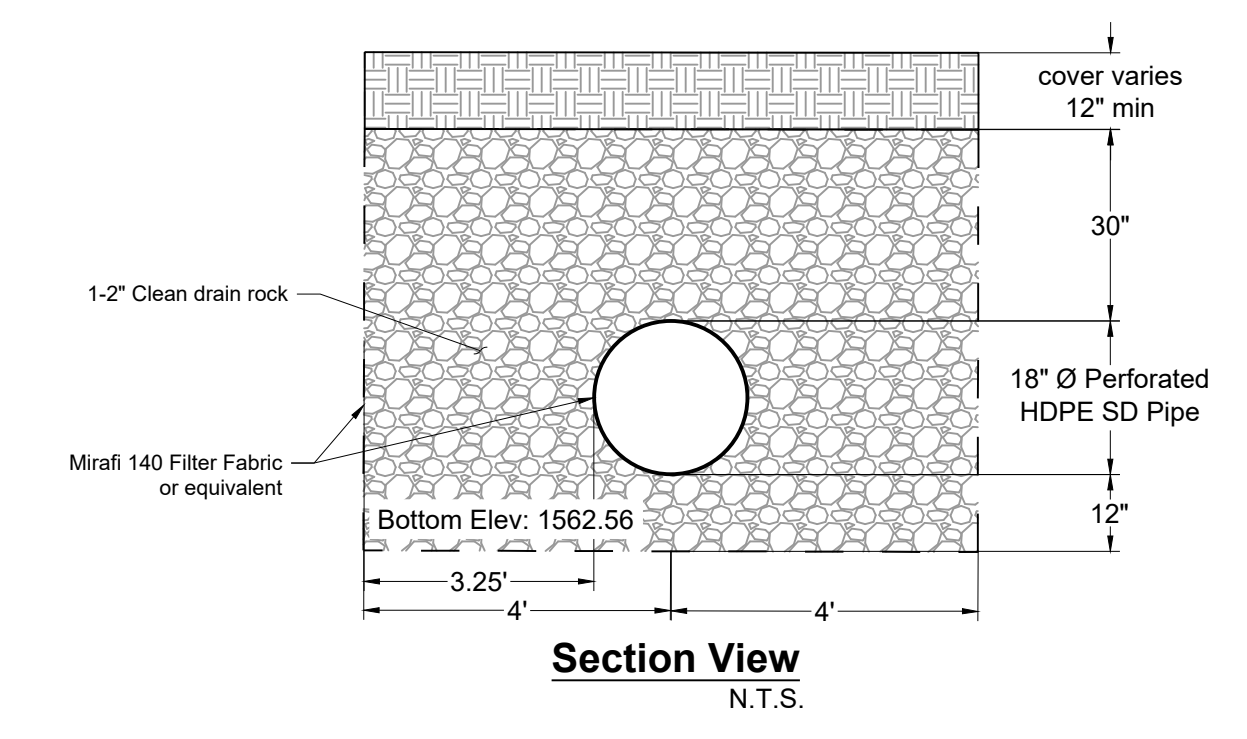
**PROFILE: C-C**  
 SCALE H: 1"=10' SCALE V: 1"=10'



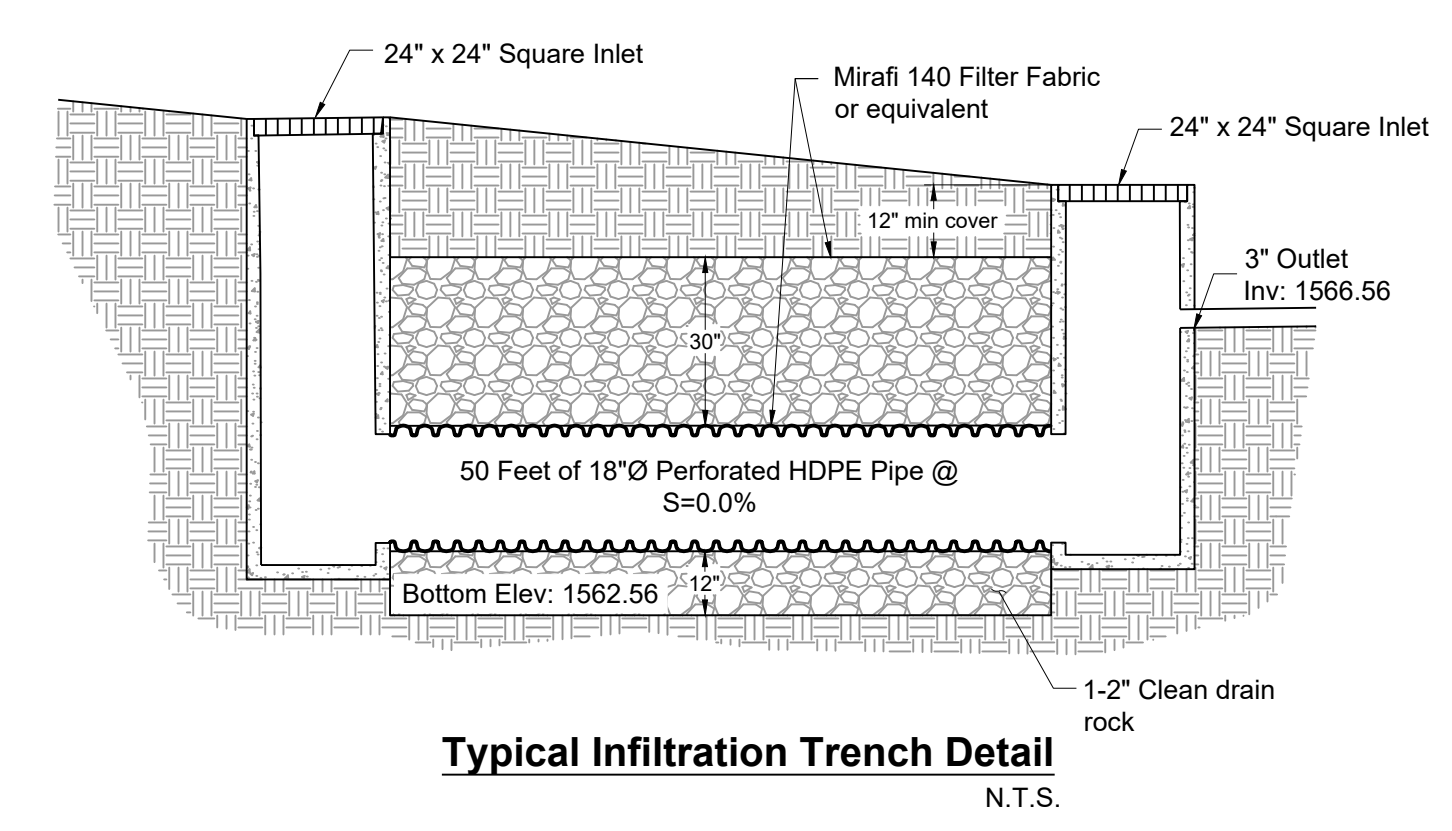
**PROFILE: Driveway Alignment**  
 SCALE H: 1"=20' SCALE V: 1"=20'



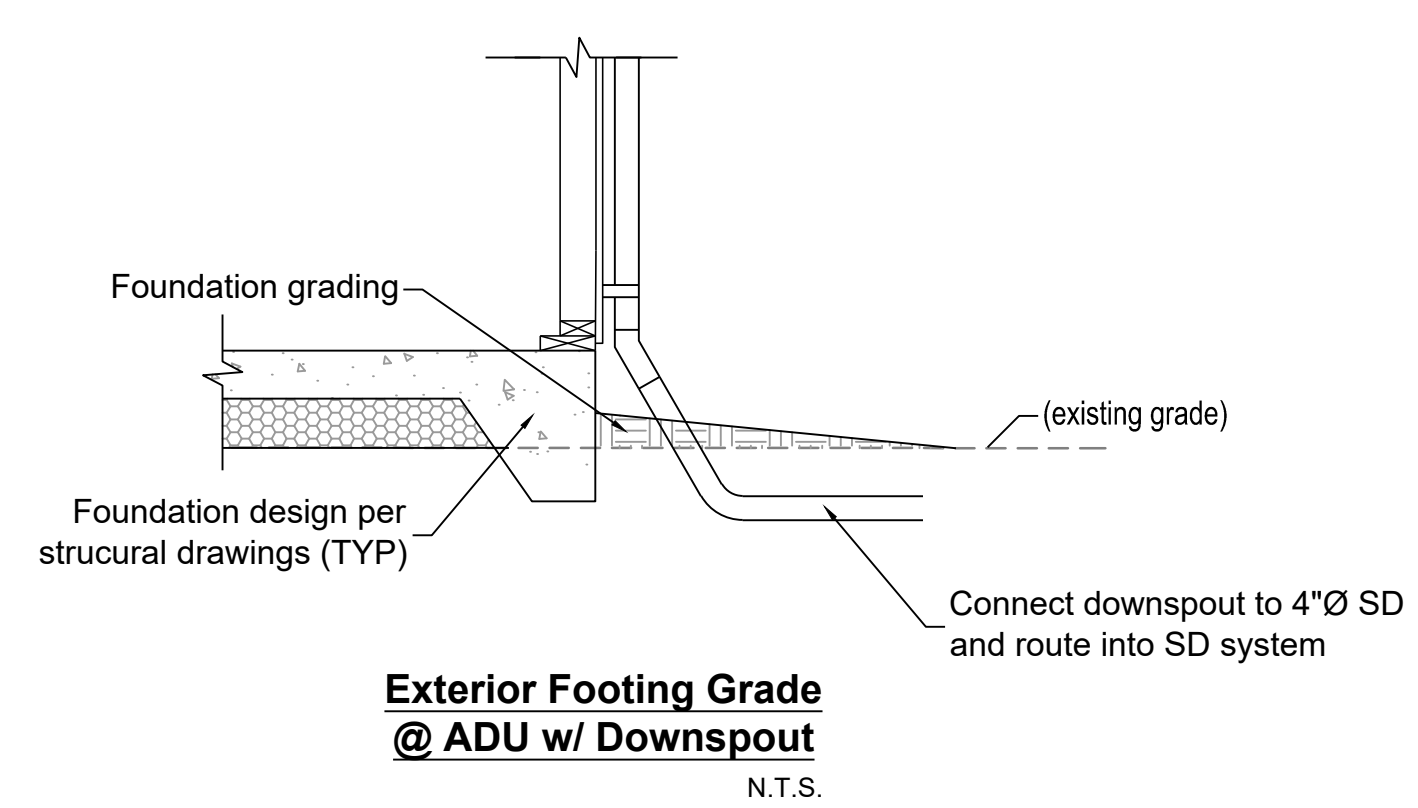
**Typical Driveway Section**  
 N.T.S.



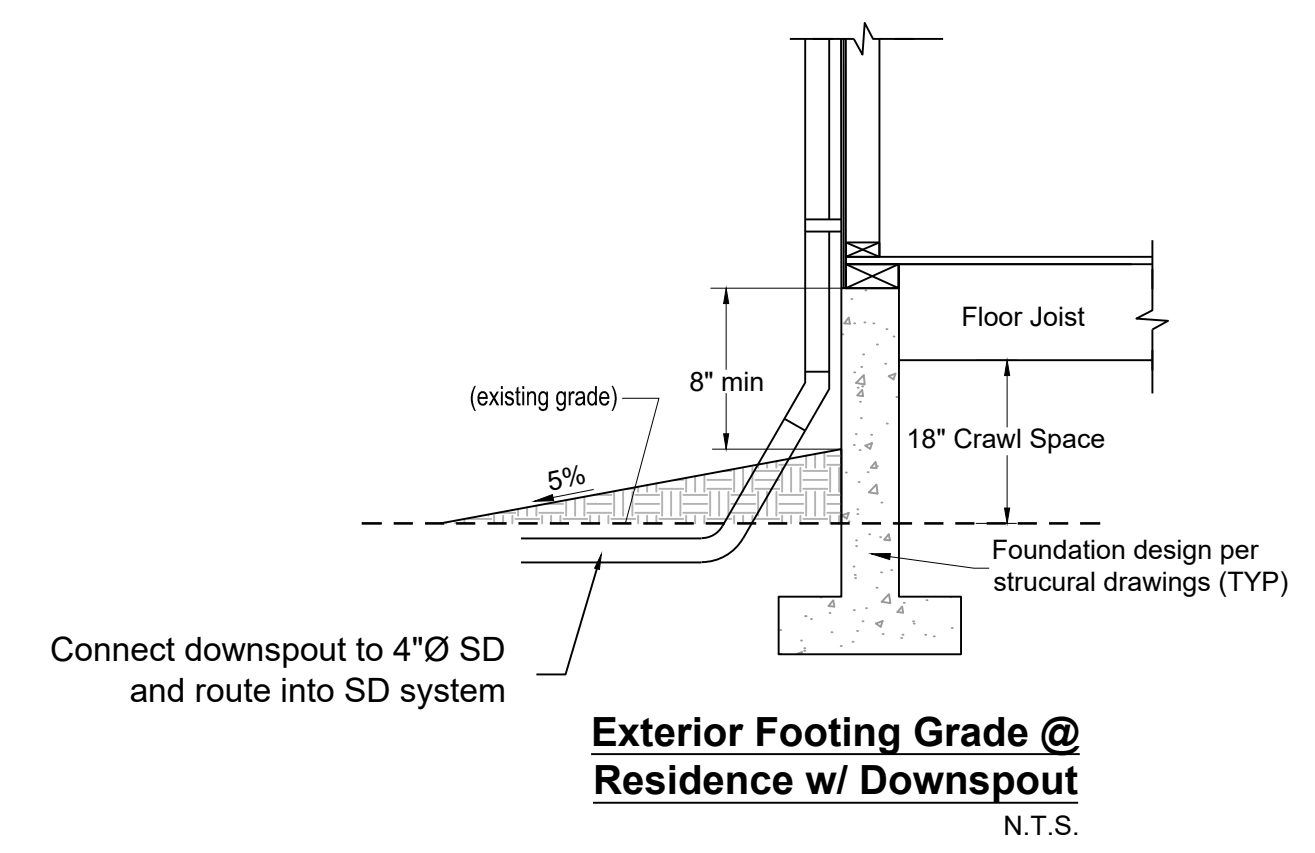
**Section View**  
 N.T.S.



**Typical Infiltration Trench Detail**  
 N.T.S.



**Exterior Footing Grade @ ADU w/ Downspout**  
 N.T.S.



**Exterior Footing Grade @ Residence w/ Downspout**  
 N.T.S.