





C:\vaill\East Vail Housing-2018\dwg\Master\Storm.dwg, 5/28/2019 9:54:54 AM, Wabey



- LEGEND**
- PROPERTY LINE
  - EXISTING CONTOUR
  - BUILDING SETBACK
  - PROPOSED CONTOUR
  - PROPOSED GRADING, SLOPE
  - PROPOSED STORM SEWER
  - PROPOSED BOULDER RETAINING WALL
  - PROPOSED MSE OR SOIL NAIL WALL
  - PROPOSED CONCRETE/ASPHALT



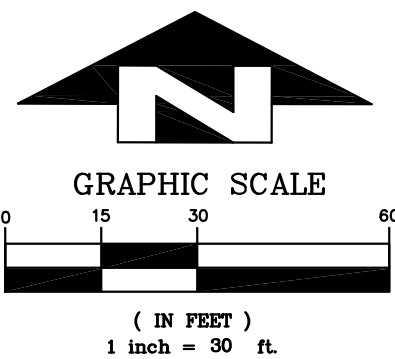
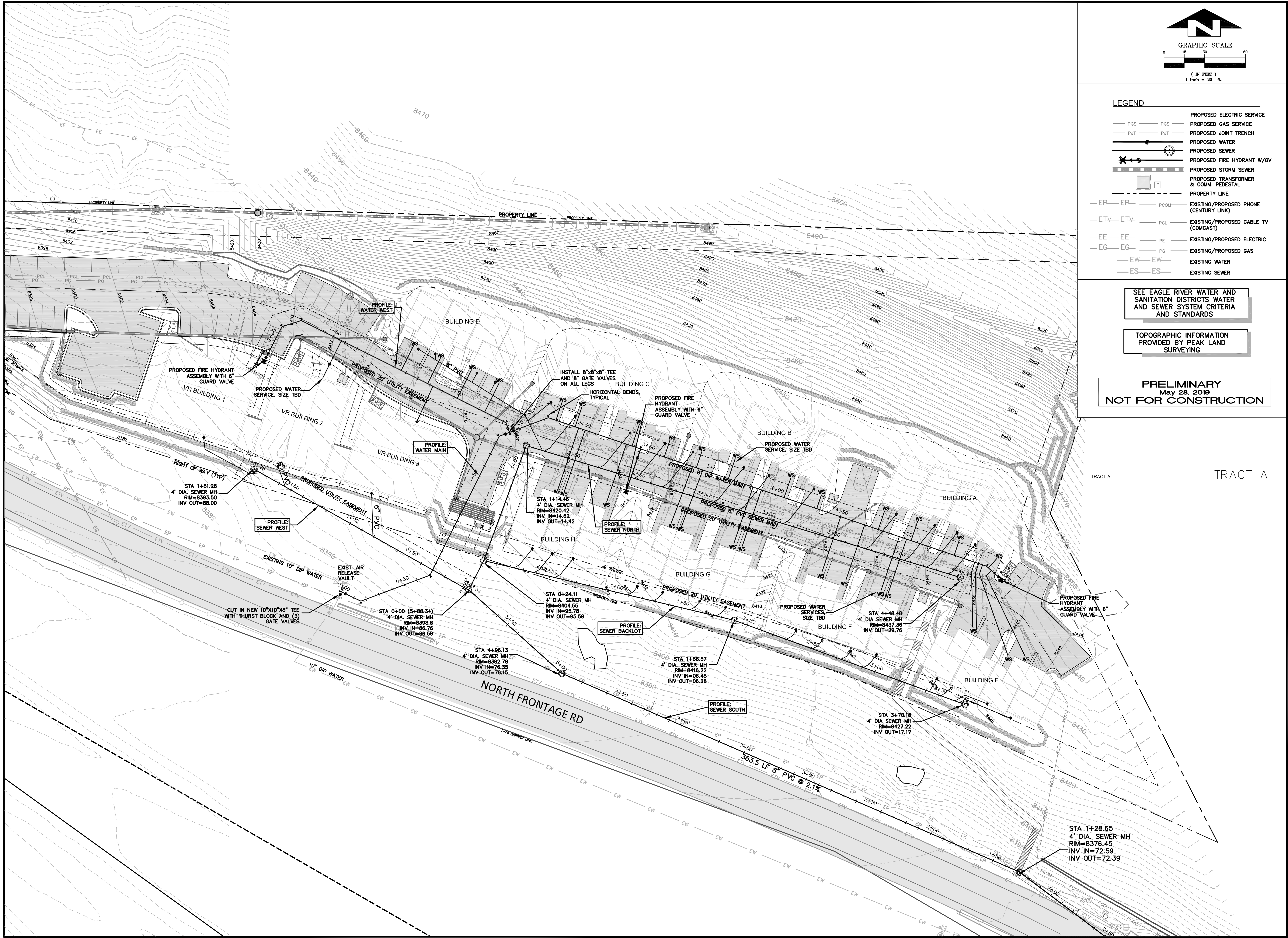
**EAST VAIL HOUSING**  
VAIL, CO  
PRELIM. STORM SEWER

NO.	DATE	REVISIONS	BY
1	05/28/2019	PEC SUBMITTAL	MCW
DESIGNED	MW		
DRAWN	MW		
CHECKED	MW		
JOB NO.	78709		
DATE	02/21/2019		

SHEET  
C4.1



C:\vaill\East Vail Housing - 2018\dwg\MasterUtility.dwg, 5/29/2019 10:00:26 AM, Wadley



LEGEND

- PGS — PGS — PROPOSED ELECTRIC SERVICE
- PJT — PJT — PROPOSED GAS SERVICE
- — — PROPOSED JOINT TRENCH
- — — PROPOSED WATER
- — — PROPOSED SEWER
- — — PROPOSED FIRE HYDRANT W/GV
- — — PROPOSED STORM SEWER
- — — PROPOSED TRANSFORMER & COMM. PEDESTAL
- — — PROPERTY LINE
- EP—EP— —PCOM— EXISTING/PROPOSED PHONE (CENTURY LINK)
- ETV—ETV— —PCL— EXISTING/PROPOSED CABLE TV (COMCAST)
- EE—EE— —PE— EXISTING/PROPOSED ELECTRIC
- EG—EG— —PG— EXISTING/PROPOSED GAS
- EW—EW— — — EXISTING WATER
- ES—ES— — — EXISTING SEWER

SEE EAGLE RIVER WATER AND SANITATION DISTRICTS WATER AND SEWER SYSTEM CRITERIA AND STANDARDS

TOPOGRAPHIC INFORMATION PROVIDED BY PEAK LAND SURVEYING

PRELIMINARY  
May 28, 2019  
NOT FOR CONSTRUCTION



EAST VAIL HOUSING  
VAIL, CO  
WATER AND SEWER PLAN

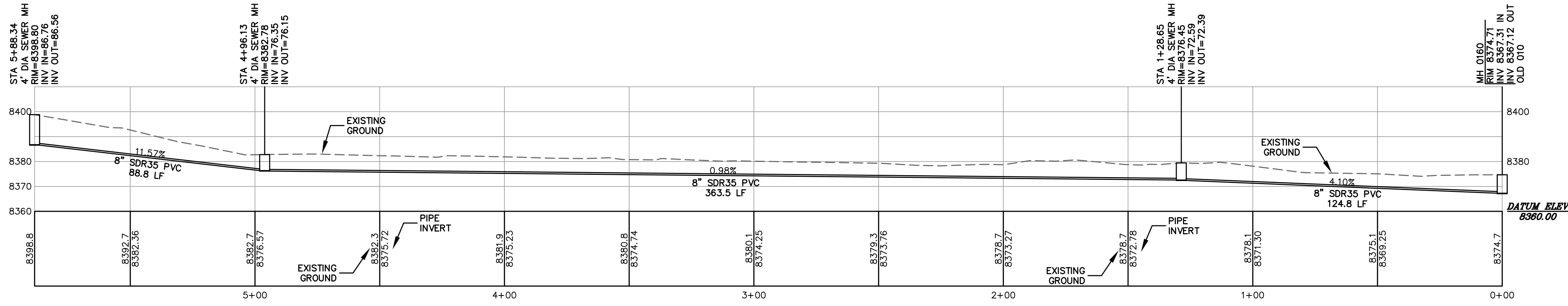
NO.	DATE	REVISIONS	BY
1	05/28/2019	PEC SUBMITTAL	MCW

DESIGNED	MW
DRAWN	MW
CHECKED	MW
JOB NO.	78709
DATE	02/21/2019

SHEET  
C5.0

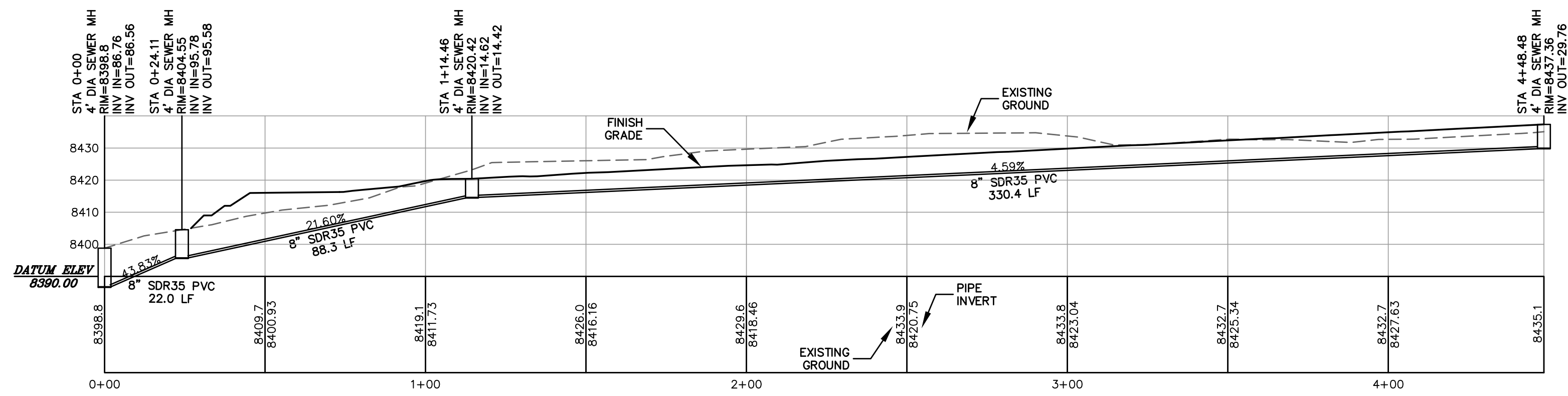


PROFILE: SEWER SOUTH



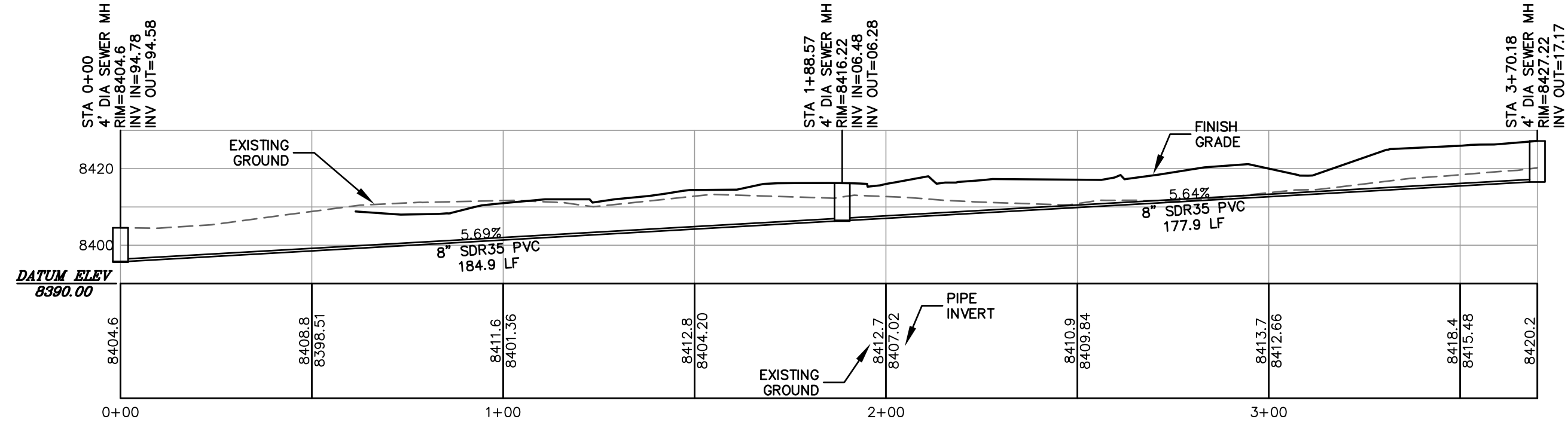
SCALE: VERTICAL 1"=30'  
HORIZONTAL 1"=30'

PROFILE: SEWER NORTH

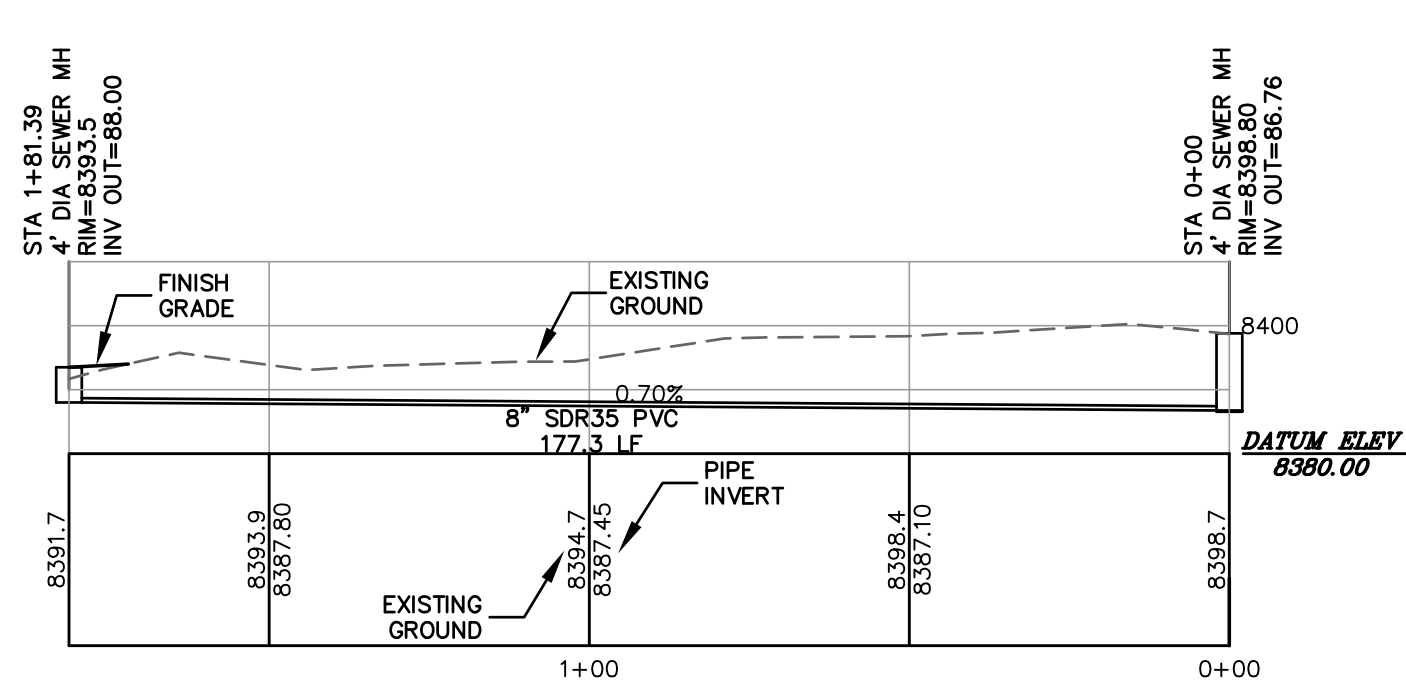


PRELIMINARY  
May 28, 2019  
NOT FOR CONSTRUCTION

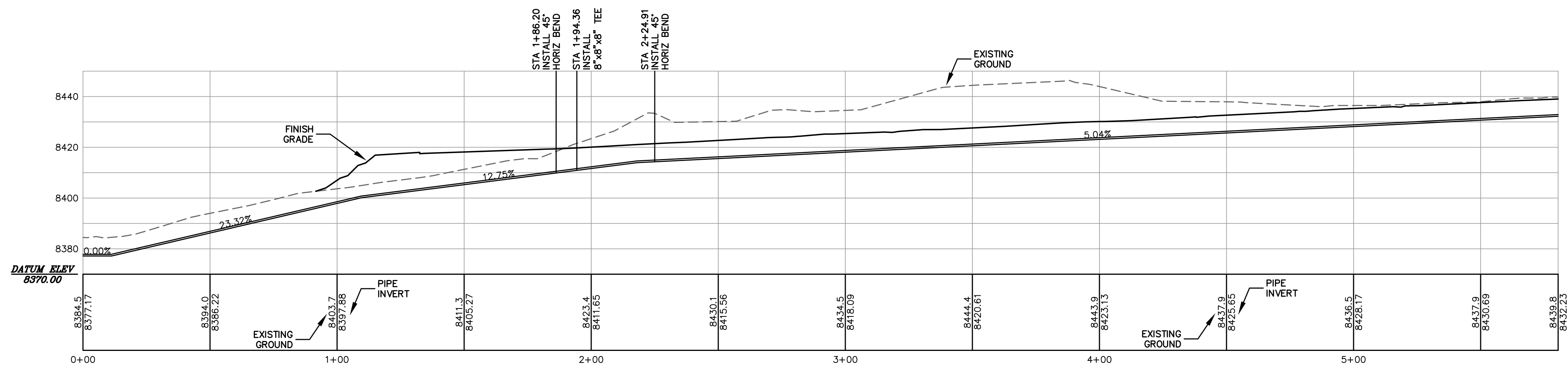
PROFILE: SEWER BACKLOT



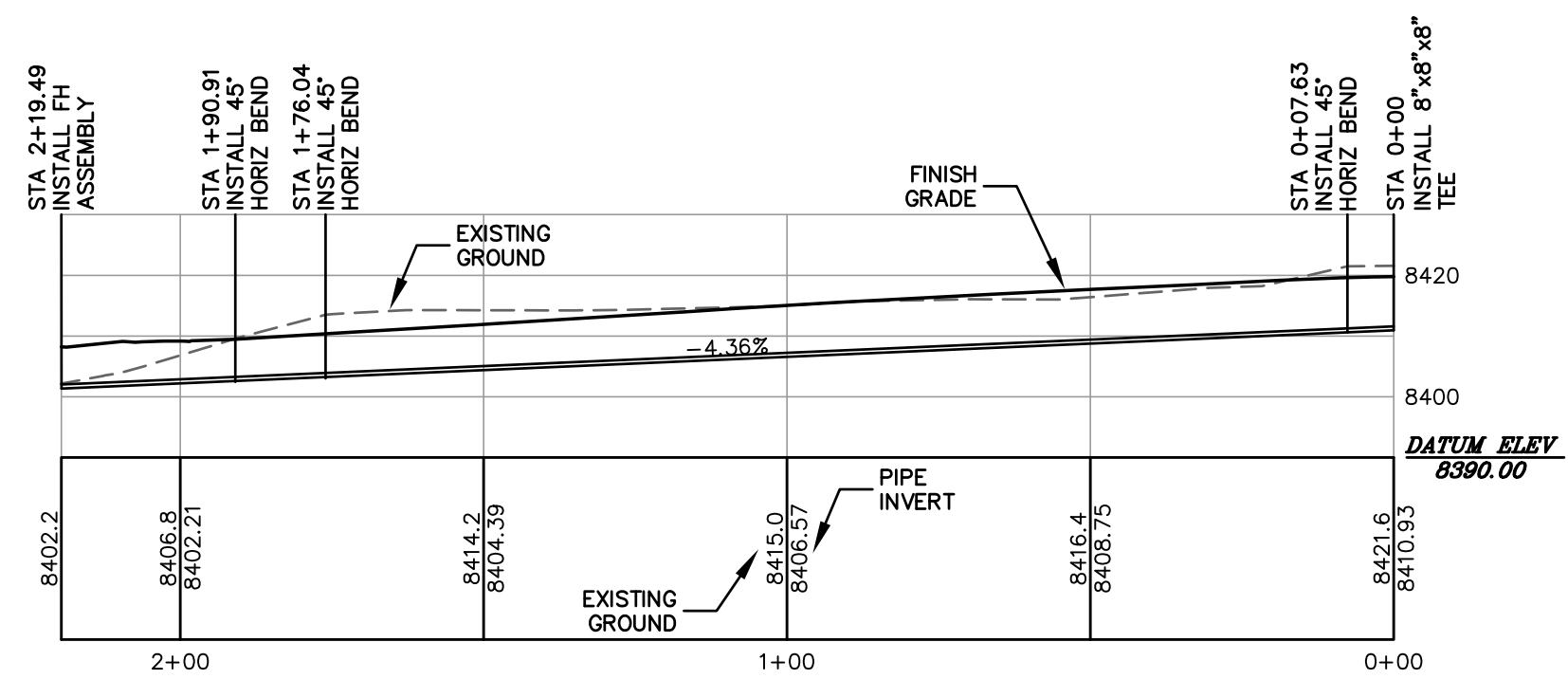
PROFILE: SEWER WEST



PROFILE: WATER MAIN



PROFILE: WATER WEST

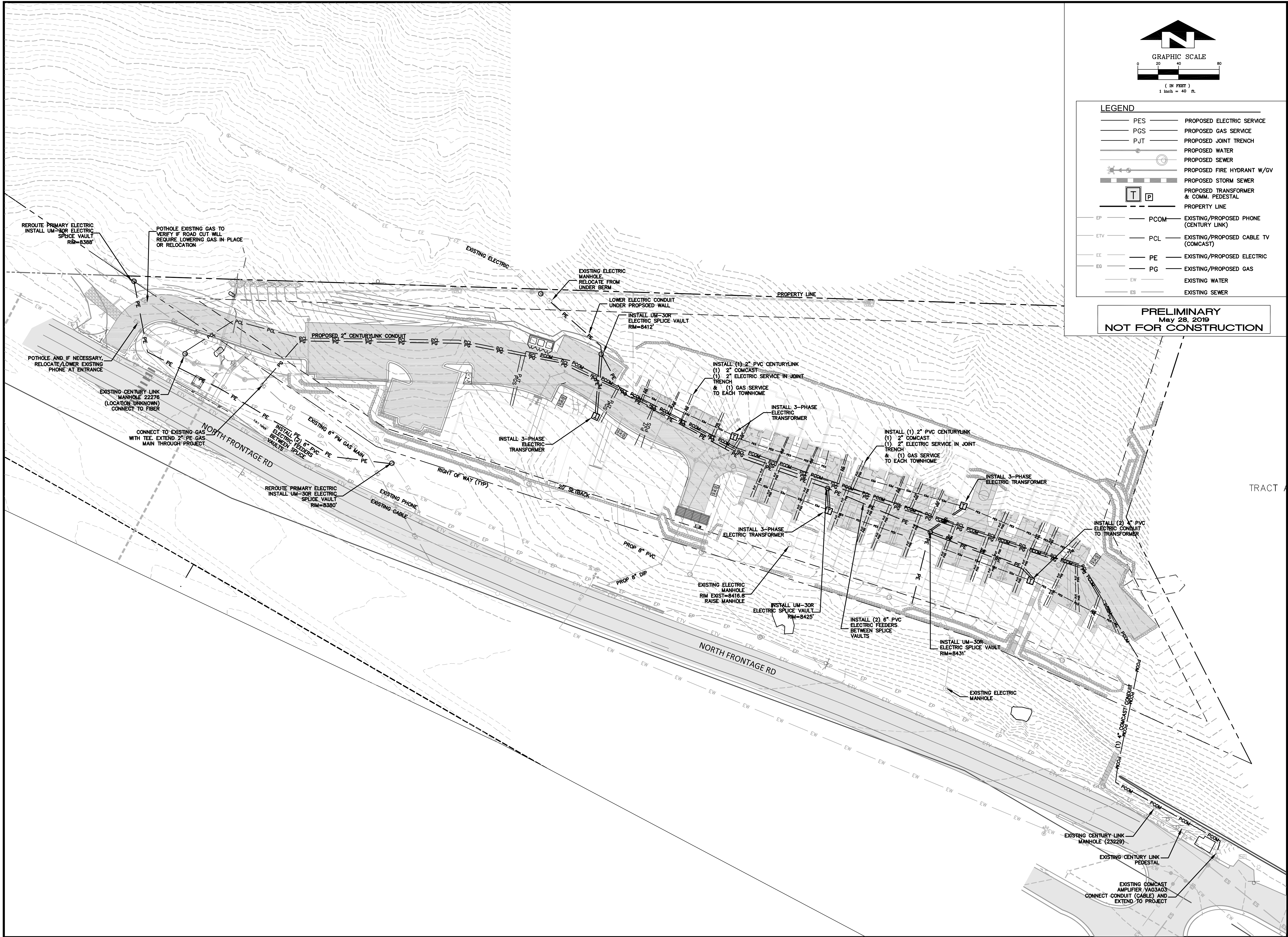


EAST VAIL HOUSING  
VAIL, CO  
WATER AND SEWER PROFILES

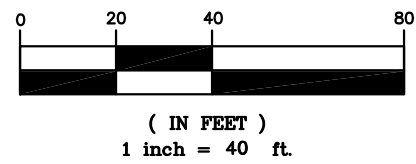
NO.	DATE	REVISIONS	BY
1	05/28/2019	PEC SUBMITTAL	MCW

SHEET  
C5.1

C:\Vail\East Vail Housing - 2018\dwg\Master\Shallows.dwg, 5/28/2019 10:02:49 AM, Wadley



GRAPHIC SCALE



LEGEND

- |         |   |
|---------|---|
| — PES — | PROPOSED ELECTRIC SERVICE                     |
| — PGS — | PROPOSED GAS SERVICE                          |
| — PJT — | PROPOSED JOINT TRENCH                         |
| — P —   | PROPOSED WATER                                |
| — S —   | PROPOSED SEWER                                |
| — F —   | PROPOSED FIRE HYDRANT W/GV                    |
| — SS —  | PROPOSED STORM SEWER                          |
| — T —   | PROPOSED TRANSFORMER & COMM. PEDESTAL         |
| — PL —  | PROPERTY LINE                                 |
| — EP —  | PCOM — EXISTING/PROPOSED PHONE (CENTURY LINK) |
| — ETV — | PCL — EXISTING/PROPOSED CABLE TV (COMCAST)    |
| — EE —  | PE — EXISTING/PROPOSED ELECTRIC               |
| — EG —  | PG — EXISTING/PROPOSED GAS                    |
| — EW —  | EXISTING WATER                                |
| — ES —  | EXISTING SEWER                                |

PRELIMINARY  
May 28, 2019  
NOT FOR CONSTRUCTION



**EAST VAIL HOUSING**  
VAIL, CO  
SHALLOW UTILITY PLAN

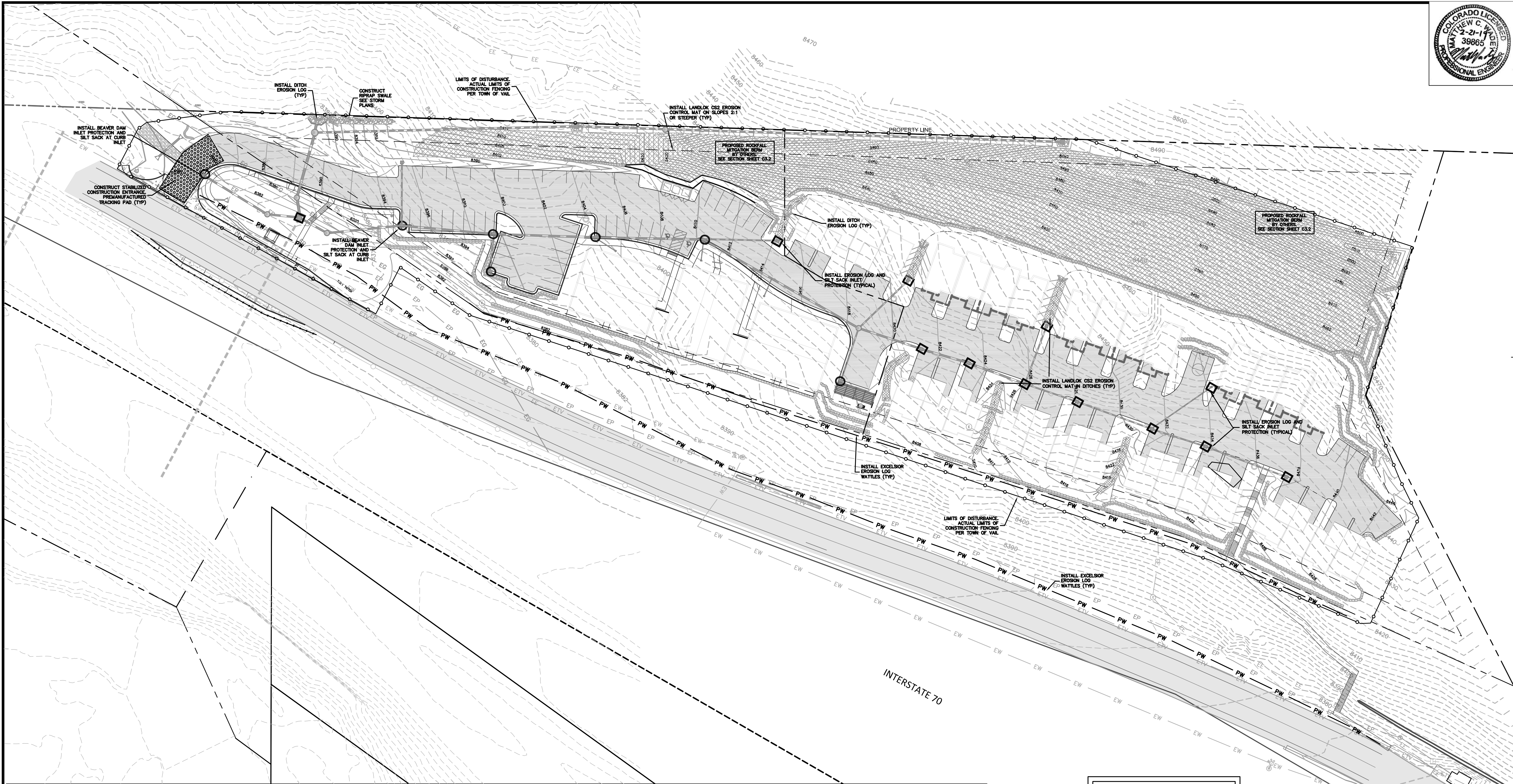
NO.	DATE	REVISIONS	BY
1	05/28/2019	PEC SUBMITTAL	MCW

DESIGNED	MW
DRAWN	MW
CHECKED	MW
JOB NO.	78709
DATE	02/21/2019

SHEET  
C6.0



C:\Vail\East Vail Housing\2018\dwg\Master\Erosion.dwg, 5/28/2019 10:08:43 AM, Wadley



# EAST VAIL HOUSING VAIL, CO EROSION CONTROL

## GENERAL NOTES FOR SEDIMENT CONTROL

- CONTRACTOR SHALL SUBMIT A CONSTRUCTION STAGING & MANAGEMENT PLAN IDENTIFYING CONSTRUCTION FENCING, STAGING, STORAGE & CONSTRUCTION TRAILER LOCATION PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- INSTALL AND MAINTAIN SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THESE PLANS AND AS NEEDED TO PREVENT SEDIMENT FROM DISCHARGING OFF-SITE OR ENTERING THE RIVER.
- ALL PROPOSED SEDIMENT CONTROL MEASURES ARE TEMPORARY MEASURES UNLESS SPECIFIED OTHERWISE ON PLANS.
- SEDIMENT CONTROL MEASURES MAY REQUIRE FIELD ADJUSTMENTS AT THE TIME OF CONSTRUCTION TO INSURE THAT THEIR INTENDED PURPOSE IS ACCOMPLISHED.
- PROVIDE REGULAR INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES TO INSURE THAT SEDIMENT CONTROL EFFICIENCY IS OBTAINED UNTIL FINAL STABILIZATION OF SITE HAS TAKEN PLACE.
- INSTALL SEDIMENT CONTROL MEASURES AT THE ONSET OF GRADING OPERATIONS SO THAT EFFECTIVE SEDIMENT CONTROL CAN BE ACHIEVED DURING THE ENTIRE CONSTRUCTION PERIOD.
- STABILIZE ALL POINTS OF INGRESS AND EGRESS WITH TRACKING PAD DURING CONSTRUCTION TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS.
- FOR TEMPORARY STOCKPILES APPLY SEED, HYDROMULCH AND TACKIFIER IMMEDIATELY AFTER THEY ARE CONSTRUCTED FOR STABILIZATION. IF EROSION OCCURS AFTER APPLICATION OF THE TACKIFIER, USE EXCELSIOR C2 EROSION CONTROL FABRIC. INSTALL SILT FENCE BELOW STOCKPILES TO CAPTURE SEDIMENT.
- THE TERM 'REVEGETATION' ON THIS PLAN MEANS THE SUCCESSFUL GERMINATION AND ESTABLISHMENT OF STABLE GRASS COVER FROM A PROPERLY PREPARED SEEDBED CONTAINING THE SPECIFIED AMOUNTS OF FERTILIZER IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS. REFER TO LANDSCAPE PLANS FOR SEED MIX, FERTILIZER TYPE, MULCH, TACKIFIER AND APPLICATION RATES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE APPROPRIATE MEASURES TO INSURE THAT NO SEDIMENT LADEN WATER IS DISCHARGED FROM THE SITE.
- APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES BEFORE REMOVAL OF SEDIMENT CONTROLS.
- CONTRACTOR SHALL OBTAIN AND CONFORM TO STORMWATER DISCHARGE PERMIT AND ALL ENVIRONMENTAL PERMITS AND KEEP STREETS CLEAN AND FREE OF SEDIMENT.
- REMOVAL AND CLEANUP OF ANY SEDIMENT THAT LEAVES THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR

## CONSTRUCTION SEQUENCE OF EROSION/SEDIMENT CONTROL MEASURES

### BEFORE COMMENCING GRADING OR CONSTRUCTION

- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AT ALL POINTS OF INGRESS AND EGRESS.
- CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE THAT NO SEDIMENT LEAVES THE SITE.
- CONSTRUCT SILT FENCE AND WATTLES AND ALL SEDIMENT CONTROL DEVICES.
- BEGIN DEMOLITION, EXCAVATION AND CONSTRUCTION.
- INSTALL EROSION CONTROL MEASURES AFTER DITCHES AND SWALES HAVE BEEN CONSTRUCTED AND TOPSOIL AND SEED HAVE BEEN PLACED. INSTALL INLET PROTECTION IN ALL INLETS AS THEY ARE CONSTRUCTED.
- TOPSOIL AND REVEGETATE ALL DISTURBED AREAS WITH APPROVED SEED MIX PER LANDSCAPE PLAN.
- CONTRACTOR SHALL REMOVE SEDIMENT CONTROL FACILITIES AFTER FINAL STABILIZATION.

## FUGITIVE DUST CONTROL

THE CONTRACTOR IS RESPONSIBLE TO CONTROL FUGITIVE DUST AND TO INCORPORATE THE FOLLOWING:

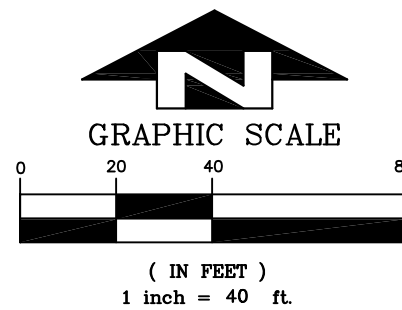
- ALL UNPAVED ROADS AND OTHER DISTURBED AREAS ON SITE SHALL BE WATERED TO MINIMIZE FUGITIVE DUST.
- HAUL ROADS SHALL BE TREATED WITH MAGNESIUM CHLORIDE IF WATER IS NOT CONTROLLING THE DUST.
- ALL DISTURBED SURFACE AREAS SHALL BE REVEGETATED OR SURFACED PER THE LANDSCAPE PLAN AS SOON AS POSSIBLE.
- MUD AND DIRT CARRYOUT ONTO PAVED SURFACES SHALL BE PREVENTED. ANY MUD AND DIRT CARRYOUT ONTO PAVED SURFACES SHALL BE CLEANED UP DAILY.

A CONCRETE WASHOUT IS TO BE USED FOR WASTE CONCRETE (SEE DETAIL). A. Direct wash water into a leak-proof container or leak-proof and lined pit designed so that no overflows can occur due to inadequate sizing or precipitation; B. Handle washout or cleanout wastes as follows: i. Do not dump liquid wastes in storm sewers or waters of the U.S.; ii. Dispose of liquid wastes in accordance with applicable requirements; and iii. Remove and dispose of hardened concrete waste consistent with your handling of other construction wastes. C. Locate any washout or cleanout activities as far away as possible from waters of the U.S. and stormwater inlets or conveyances, and, to the extent feasible, designate areas to be used for these activities and conduct such activities only in these areas.

CONTRACTOR SHALL MARKUP A SITE MAP WITH SOIL STOCKPILES, DUMPSTERS, PORTABLE TOILETS, MATERIAL STORAGE AREAS, CONSTRUCTION WASTE AND THE EROSION CONTROL LOGS UTILIZED AS STOCKPILE CONTAINMENT AS THEY ARE IMPLEMENTED.

PORTABLE TOILETS ARE TO BE STAKED DOWN.

DISTURBED AREA = 5 Acres



## LEGEND

- PW EROSION LOG WATTLES
- STABILIZED CONSTRUCTION ENTRANCE
- BEAVER DAM INLET PROTECTION
- SILT SACK INLET PROTECTION

## LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- BUILDING SETBACK
- PROPOSED CONTOUR
- PROPOSED GRADING, SLOPE
- PROPOSED STORM SEWER
- PROPOSED BOULDER RETAINING WALL
- PROPOSED MSE OR SOIL NAIL WALL
- PROPOSED CONCRETE/ASPHALT

NO.	DATE	REVISIONS	BY
1	05/28/2019	PEC SUBMITTAL	MCW
DESIGNED	MW		
DRAWN	MW		
CHECKED	MW		
JOB NO.	78709		
DATE	02/21/2019		

SHEET  
C7.0



C:\Vall\Est\Val Housing - 2018.dwg\Xref\Steep Slopes.dwg, 6/17/2019 2:23:45 PM, lath

