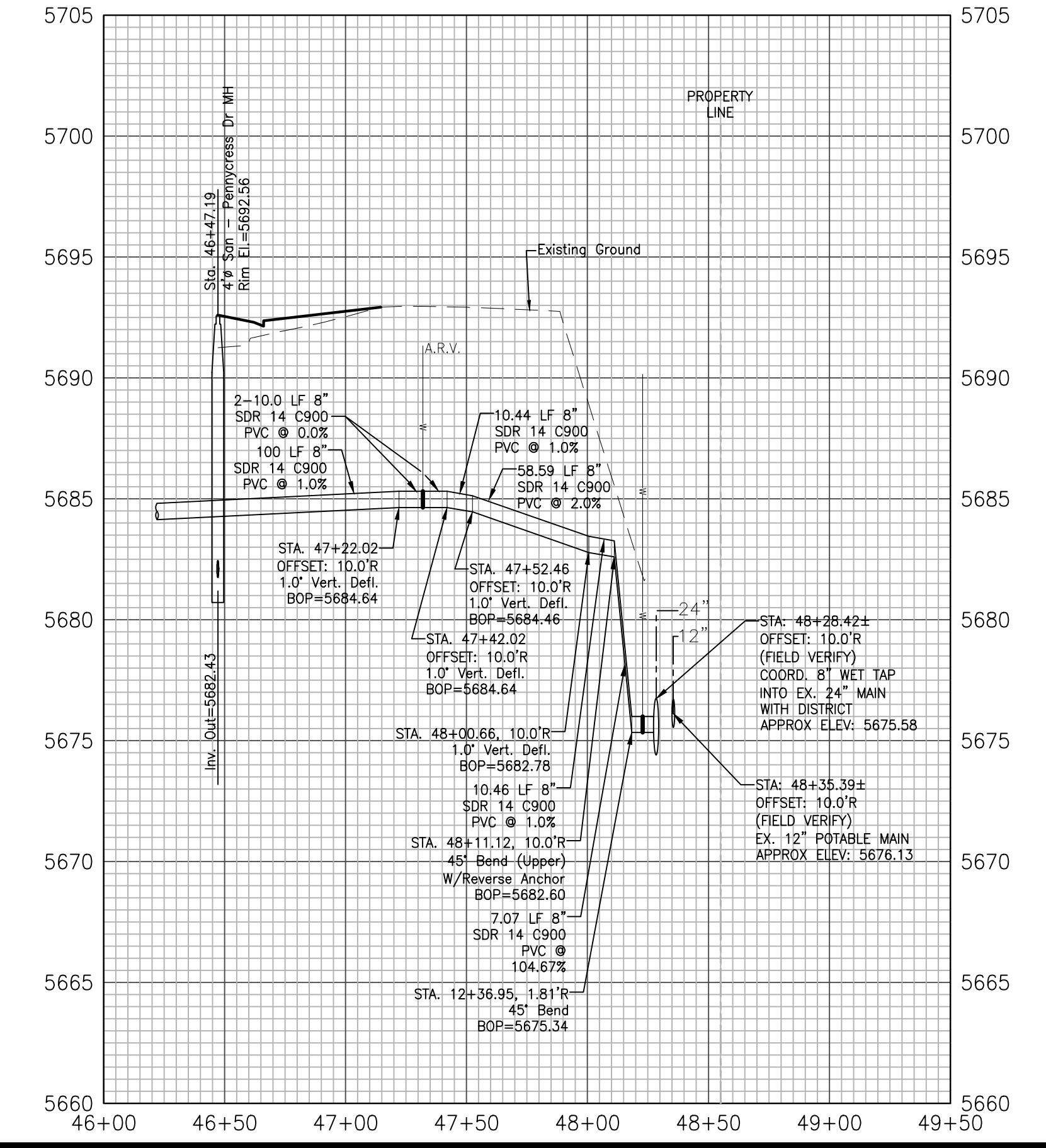
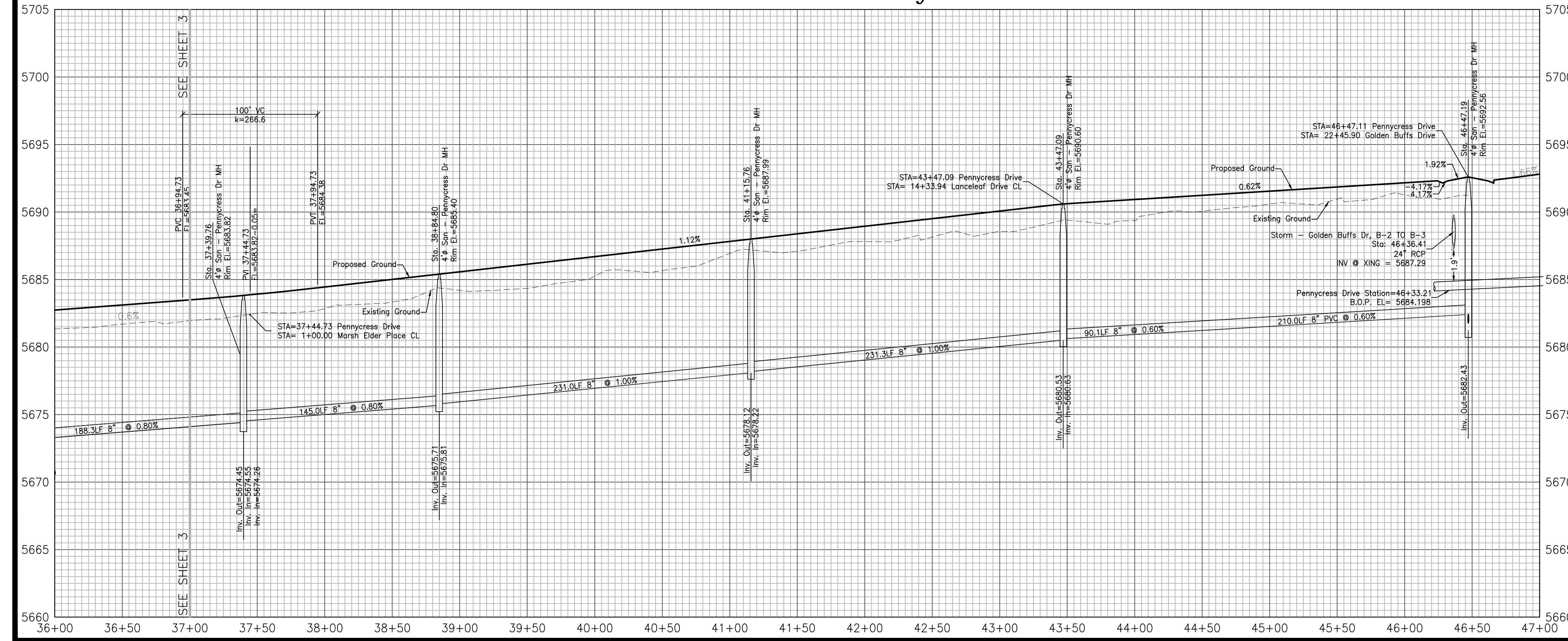


CURVE DATA	
8N	Δ=86°22'12" L=30.15' R=20.00'
8O	Δ=86°22'12" L=30.15' R=20.00'
8P	Δ=12°24'59" L=112.04' R=517.00'
8Q	Δ=28°46'26" L=552.42' R=1100.00'
8R	Δ=21°54'39" L=414.16' R=1083.00'
8S	Δ=28°46'26" L=560.96' R=1117.00'
8A	Δ=96°51'47" L=33.81' R=20.00'
8B	Δ=87°08'27" L=30.42' R=20.00'
8C	Δ=2°51'33" L=54.05' R=1083.00'
8D	Δ=90°00'00" L=31.42' R=20.00'



Pennycress Drive

Pennycress Drive Water Main Extension



GLEN AT WIDEFIELD NO. 11
Plan and Profile - Pennycress Drive
Sta: 37+00 to 46+47.19
EL PASO, COUNTY, COLORADO

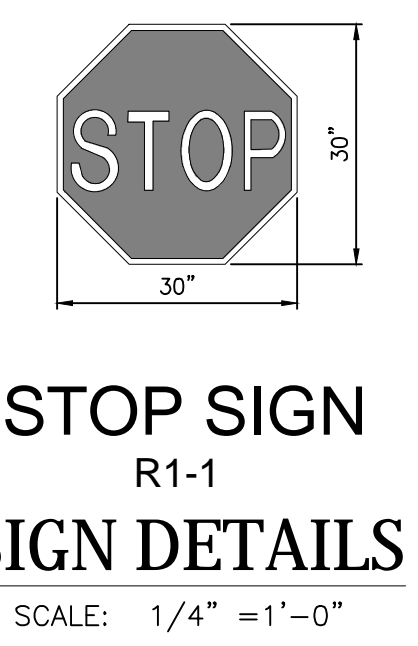
Project No.:	19016
Date:	June 21, 2021
Design:	MJK
Drawn:	MJK
Check:	AWMc
Revisions:	
1.	REMOVE ACCESS

19016-GW11-04-PP.dwg/June 16, 2022

- Signing and Striping Notes:**
- All signs and pavement markings shall be in compliance with the current Manual on Uniform Traffic Control Devices (MUTCD).
 - Removal of existing pavement markings shall be accomplished by a method that does not materially damage the pavement. The pavement markings shall be removed to the extent that they will not be visible under day or night conditions. At no time will it be acceptable to paint over existing pavement markings.
 - Any deviation from the striping and signing plan shall be approved by El Paso County Planning and Community Development Review Services.
 - All signs shown on the signing and striping plan shall be new signs. Existing signs may remain or be reused if they meet current El Paso County and MUTCD standards.
 - Street name and regulatory stop signs shall be on the same post at intersections.
 - All removed signs shall be disposed of in a proper manner by the contractor.
 - All street name signs shall have "D" series letters, with local roadway signs being 4" upper-lower case lettering on 8" blank and non-local roadway signs being 5" lettering, upper-lower case on 12" blank, with a white border that is not recessed. Multi-lane roadways with speed limits of 40 mph or higher shall have 8" upper-lower case lettering on 18" blank with a white border that is not recessed. The width of the non-recessed white borders shall match page 255 of the 2012 MUTCD "Standard Highway Signs".
 - All traffic signs shall have a minimum High Intensity Prismatic grade sheeting.
 - All local residential street signs shall be mounted on a 1.75" x 1.75" square tube sign post and stub post base. For other applications, refer to the CDOT Standard S-614-8 regarding use of the P2 tubular steel post slipbase design.
 - All signs shall be single sheet aluminum with 0.100" minimum thickness.
 - All limit lines/stop lines, crosswalk lines, pavement legends, and arrows shall be a minimum 125 mil thickness performed thermoplastic pavement markings with tapered leading edges per CDOT Standard S-627-1. Word and symbol markings shall be the narrow type. Stop bars shall be 24" in width. Crosswalk lines shall be 12" wide and 8' long per CDOT S-627-1.
 - All longitudinal lines shall be a minimum 15mil thickness epoxy paint. All non-local residential roadways shall include both right and left edge line striping and any additional striping as required by CDOT S-627-1.
 - The contractor shall notify El Paso County Planning and Community Development Review Services (719) 520-6819 prior to and upon completion of signing and striping.
 - The contractor shall obtain a work in the right of way permit from the El Paso County Department of Public Works (DPW) prior to any signage or striping work within an existing El Paso County roadway.

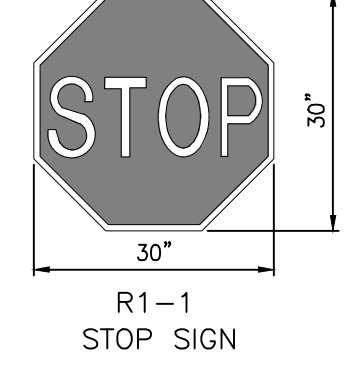
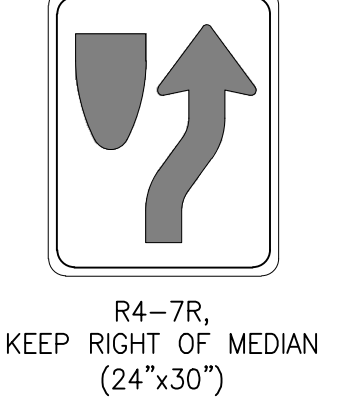
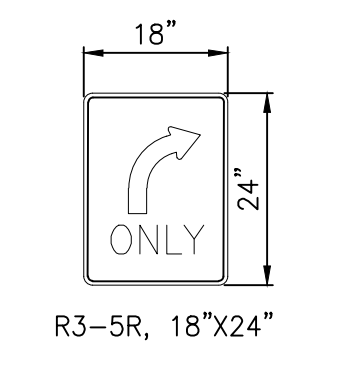
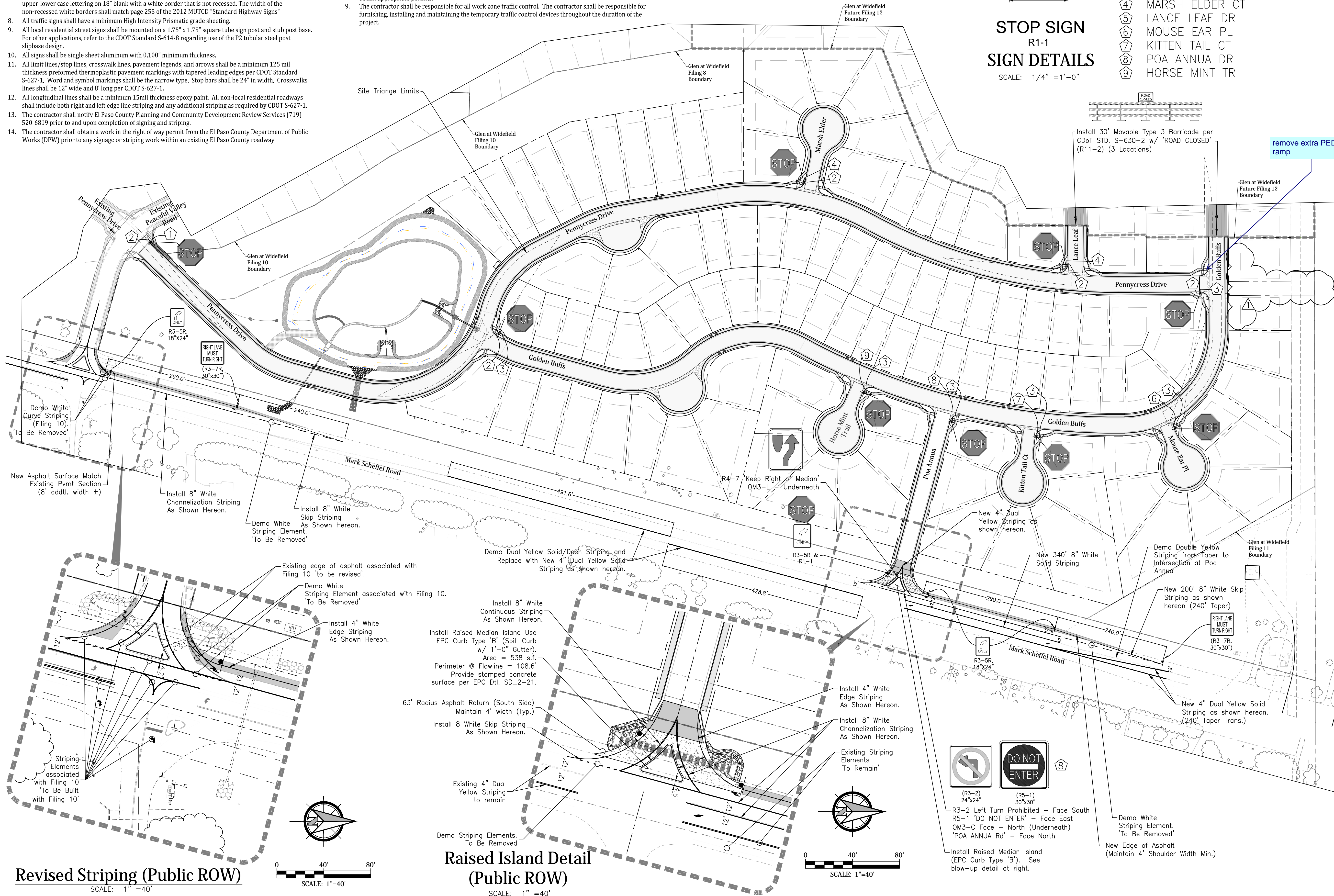
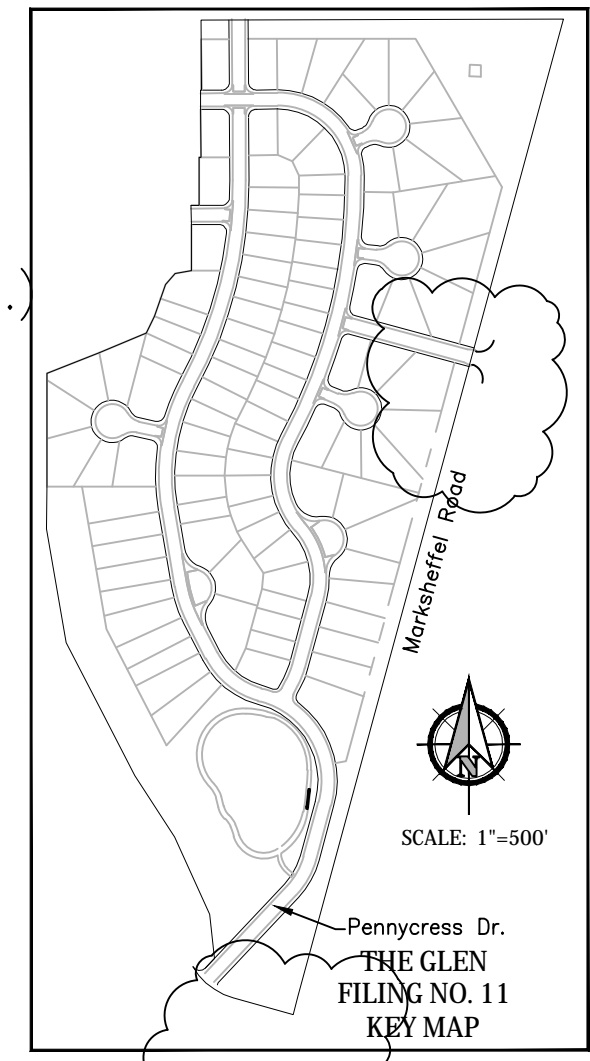
- General Notes:**
- Before excavating, contractor shall verify location of underground utilities.
 - Contractor shall be responsible for any monumentation and/or benchmarks which will be disturbed or destroyed by construction. Such points shall be referenced and replaced with appropriate monumentation by a registered professional authorized to practice land surveying.
 - Approval of these plans by the County does not authorize any work to be performed until a permit has been issued.
 - The approval of these plans or issuance of a permit by El Paso County does not authorize the contractor, subcontractor, or owner to violate any Federal, State, or City laws, ordinances, regulations, or policies.
 - The contractor shall be responsible for all new, temporary and existing traffic signs from the start of the construction project until acceptance by El Paso County.
 - All traffic signs, pavement, and traffic signals shall meet or exceed M.U.T.C.D. Standards.
 - The contractor shall not remove any existing signs, pavement markings or traffic signals during the project without authorization of the Engineering Inspector assigned to the project.
 - The contractor shall prepare a detailed Traffic Control Plan, submit to El Paso County for approval, and obtain appropriate permits.
 - The contractor shall be responsible for all work zone traffic control. The contractor shall be responsible for furnishing, installing and maintaining the temporary traffic control devices throughout the duration of the project.

- NOTE:**
- Stop Sign Placement Locations shall be per Section 2b-9 of the Manual on Uniform Traffic Control Devices, latest edition and CDOT S-614-1.
 - Street Signs Shall Be Mounted Perpendicular to their associated street as shown in the plan area. Install per EPC Stds.

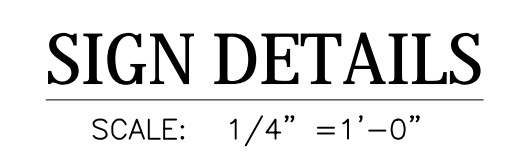


INDEX OF STREET SIGNS (PER EPC STD.)

KEY	DESCRIPTION
1	PEACEFUL VALLEY DR
2	PENNYCRESS DR
3	GOLDEN BUFFS DR
4	MARSH ELDER CT
5	LANCE LEAF DR
6	MOUSE EAR PL
7	KITTEN TAIL CT
8	POA ANNUA DR
9	HORSE MINT TR



- Note:**
- Stop sign placement locations shall be per section 2b-10 of the Manual on Uniform Traffic Control Devices, latest edition and CDOT S-614-1.



Revised Striping (Public ROW)
SCALE: 1" = 40'

Raised Island Detail (Public ROW)
SCALE: 1" = 40'

GLEN AT WIDEFIELD NO. 11
Signing & Striping - Overall

EL PASO, COUNTY, COLORADO

Project No.:	19016
Date:	June 21, 2021
Design:	MJK
Drawn:	MJK
Check:	AWMc
Revisions:	
1.	REMOVE ACCESS

SHEET

Kiowa
Engineering Corporation
1604 South 21st Street
Colorado Springs, Colorado 80904
(719) 630-7342

W
WIDEFIELD
Investment Group

ADDITIONAL UTILITY NOTES

Gas - All Gas Mains and Services are to be installed per the city of Colorado Springs.

Electric - All Electric Services are to be installed per the City of Fountain Electric Division.

UTILITY CONTACTS

Sewer:	Widefield W&S District (WWS&S)	390-7111
Water:	Widefield W&S District (WWS&S)	390-7111
Electric:	Mountain View Electric	495-2283
Gas:	Peoples Natural Gas	800-333-0752
Phone:	US West	636-4632

LEGEND

Proposed 8" Pvc Water Main (dr 18) with MJ Fittings (unless otherwise noted)

Widefield Water & Sanitation District Standard Fire Hydrant Assembly. Install per Widefield Water And Sanitation District Construction Specifications

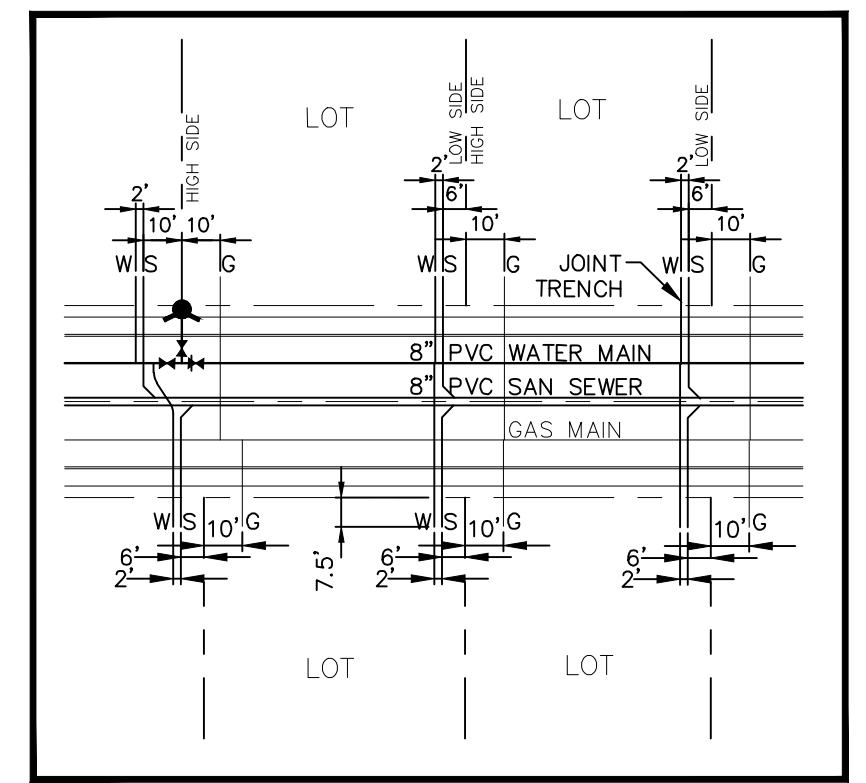
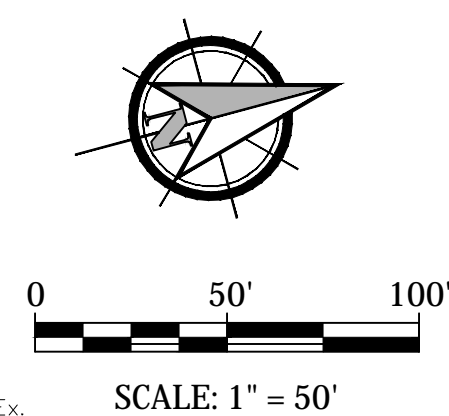
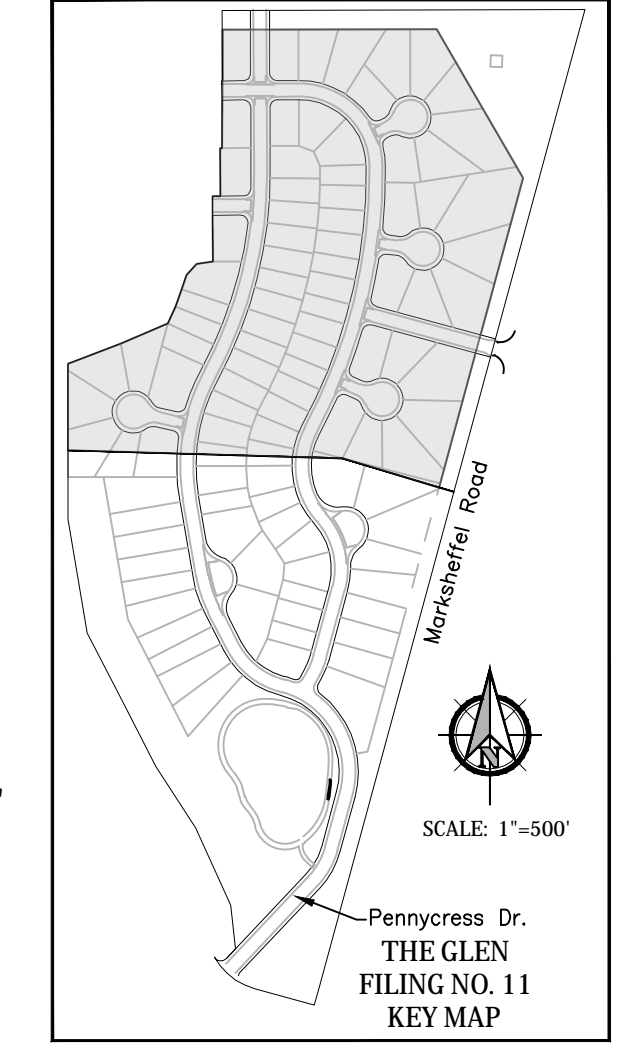
8" Gate Valve (unless otherwise noted)

Tee w/Concrete Thrust Block

Minimum Radius Shown For Water Main = 290'
Per WWS&S Specifications and El Paso County ECM 4.3.6.a.1&2. The Minimum Cover over Water Main & Services and Sanitary Sewer Mains & Services is 5 feet.

Subsequent to stripping and grubbing the following overlot/pipe installation procedures are anticipated for the sanitary sewer located on proposed embankments:

- The removal and replacement of metastable soil.
- Testing of the fill subsequent to the penetration of the metastable soil will continue until a minimum of 7 feet of structural fill has been placed above the proposed sewer line elevation.
- Utility trenches shall be excavated and sanitary sewer line installed. The pipe shall be properly bedded and structural fill placed and tested to the previous grade.
- The overlot and embankment fill can be completed.
- Where the sanitary sewer is placed in embankment fill during the overlot process, ste shall monitor and test all work associated with the affected portions.



Glen at Widefield Filing 11 Boundary

WATER AND SEWER MAIN EXTENSIONS

Any changes or alterations affecting the grade, alignment, elevation and/or depth of cover of any water or sewer mains or other appurtenance shown on this drawing shall be the responsibility of the Owner/Developer. The Owner/Developer shall be responsible for all operational damages and defects in installation and material for mains and services from the date of approval until final acceptance is issued.

Signed _____ Date _____

Print Name: J. Mark Watson, President

DBA: GLEN DEVELOPMENT COMPANY

Address: 3 Widefield Boulevard
Colorado Springs, CO 80911
(719) 392-0194

FIRE AUTHORITY APPROVAL

The number of fire hydrants and hydrant locations shown on this water installation plan are correct and adequate to satisfy the fire protection requirements as specified by the Security Fire District.

Security Fire Department

Signed _____ Date _____

UTILITY APPROVALS

DISTRICT APPROVALS

The Widefield Water and Sanitation District recognizes the design engineer as having responsibility for the design. The Widefield Water and Sanitation District has limited its scope of review accordingly.

**WIDEFIELD WATER AND SANITATION DISTRICT
WASTEWATER DESIGN APPROVAL**

Date: _____ By: _____

PROJECT NO. _____

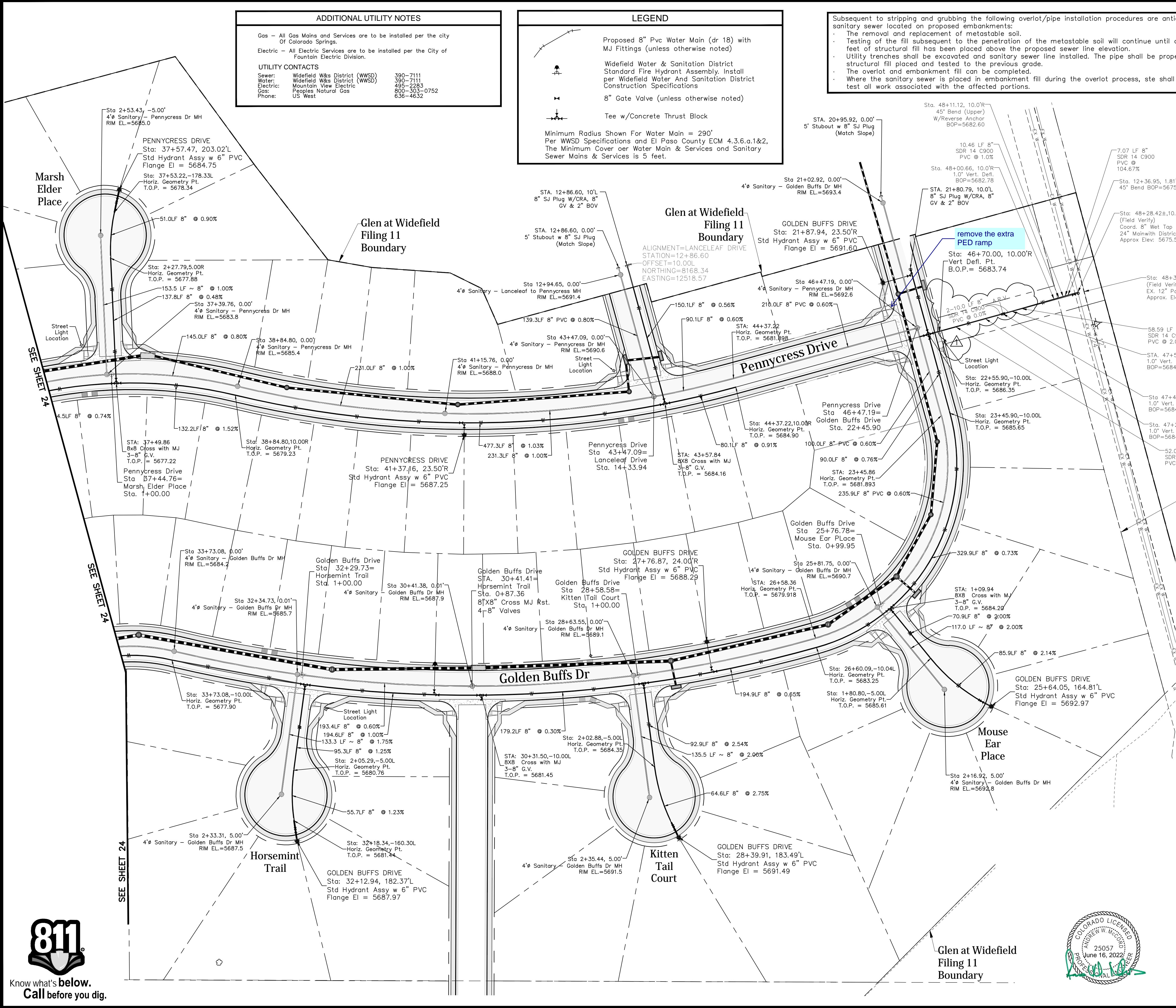
In case of errors or omissions with the sewer design as shown on this document the standards as defined in the "Rules and Regulations for Installation of Sewer Mains and Services" shall rule. Approval expires 180 days from Design Approval.

**WIDEFIELD WATER AND SANITATION DISTRICT
WATER DESIGN APPROVAL**

Date: _____ By: _____

PROJECT NO. _____

In case of errors or omissions with the sewer design as shown on this document the standards as defined in the "Rules and Regulations for Installation of Sewer Mains and Services" shall rule. Approval expires 180 days from Design Approval.



Kiowa Engineering Corporation
1604 South 21st Street
Colorado Springs, Colorado 80904
(719) 630-7342

WIDEFIELD Investment Group

GLEN AT WIDEFIELD NO. 11
Utility Plan
NORTH HALF OF SITE
EL PASO, COUNTY, COLORADO

Project No.: 19016
Date: June 21, 2021
Design: MK
Drawn: MK
Check: AWMc
Revisions:
1. REMOVE ACCESS

SHEET
25
25 of 30 Sheets

811
Know what's below.
Call before you dig.