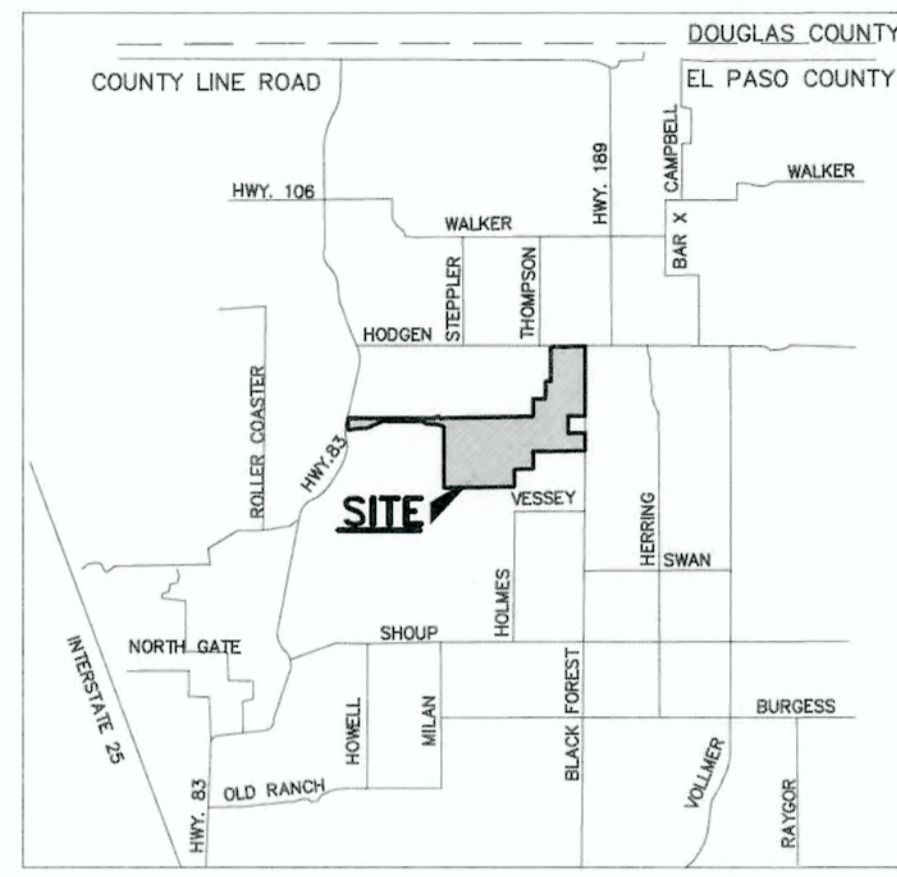


FLYING HORSE NORTH FILING NO. 1

COUNTY OF EL PASO, STATE OF COLORADO

STREET IMPROVEMENT PLANS

JULY 2018



VICINITY MAP
N.T.S.

GENERAL CONSTRUCTION NOTES:

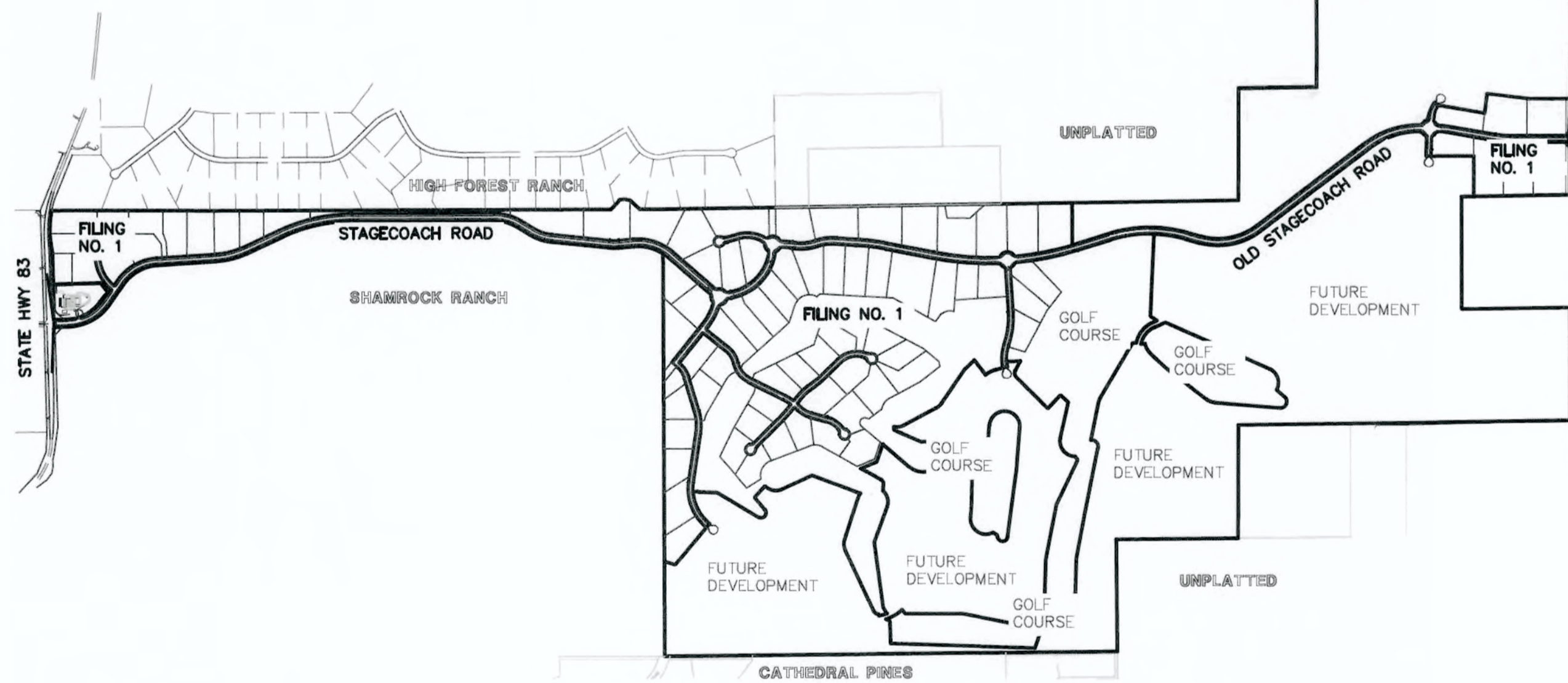
- THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
- THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C.
- ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY DEVELOPMENT SERVICES DEPARTMENT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED.
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

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 EXISTING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 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 6" 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-B 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 PREFORMED 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. CROSSWALKS 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 (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 PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



KEY MAP
SCALE: N.T.S.

SHEET INDEX

SHEET 1 OF 45	TITLE SHEET
SHEET 2 OF 45	INDEX SHEET
SHEET 2A OF 45	TYPICAL ROADWAY SECTIONS
SHEETS 3-17 OF 45	STAGECOACH RD. / OLD STAGECOACH RD. / SHORTWALL DR. PLAN AND PROFILES
SHEETS 18-25 OF 45	LOCAL ROAD PLAN AND PROFILES
SHEETS 26-37 OF 45	ROUND-ABOUT PLANS INCL. SIGNAGE AND STRIPING
SHEETS 38-40 OF 45	OVERALL SIGNAGE AND STRIPING PLANS
SHEETS 45 OF 45	DETAIL SHEET

PLEASE NOTE THAT SHEETS 41-44 ARE NOT UTILIZED AS SHEETS 2A, 22A, 25A AND 29A ARE USED INSTEAD.

AGENCIES:

OWNER/DEVELOPER:	PRI #2 6385 CORPORATE DRIVE, SUITE 200 COLORADO SPRINGS, CO 80919 MR. DREW BALSICK, (719) 592-9333
CIVIL ENGINEER:	CLASSIC CONSULTING ENGINEERS & SURVEYORS 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, COLORADO 80903 MR. MARC A. WHORTON, P.E. (719) 785-2802
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, COLORADO 80910 MR. GILBERT LAFORCE (719) 520-7945
GAS COMPANY:	BLACKHILLS ENERGY 37 WIDEFIELD BOULEVARD WIDEFIELD, COLORADO 80911 MR. GEORGE M. PETERSON, (719) 392-3491
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC P.O. BOX 1600 LIMON, COLORADO 80828 MR. LES ULFERS, (719) 495-2283
FIRE DISTRICT:	DONALD WESCOTT FIRE PROTECTION DISTRICT 15415 GLENEAGLE DRIVE COLORADO SPRINGS, CO 80921 CHIEF WINNY BURNS, (719) 488-8680
FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK, (719) 495-4300
TELEPHONE COMPANY:	CENTURY LINK (LOCATORS) 811 AT & T (LOCATORS) 811

APPROVALS:

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

MARC A. WHORTON, COLORADO P.E. #37155
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

9/17/18
DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Drew Balsick
MR. DREW BALSICK
PRI #2

9-18-18
DATE

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JENNIFER IRVINE, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

PCD No. SF-18-001

BENCHMARKS

- THE NORTHWESTERLY CORNER OF LOT 1, WESCOTT FIRE STATION NO. 3, RECORDED UNDER RECEPTION NO. 212713192 RECORDS OF EL PASO COUNTY COLORADO, BEING MONUMENTED BY A 1 1/2 INCH ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 30118" ELEVATION=7387.14
- THE SOUTHEAST CORNER OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, BEING A 3 1/4 INCH ALUMINUM SURVEYORS CAP STAMPED "JR ENG LTD RLS 10377" IN A RANGE BOX IN BLACK FOREST ROAD. ELEVATION=7554.01

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	4-4-18
2	REVISED PER COUNTY COMMENTS	7-30-18
	REVISED PER COUNTY COMMENTS	9-13-18

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

9/17/18

DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLANS

TITLE SHEET

DESIGNED BY	MAW	SCALE	DATE	10-2-17
DRAWN BY	MAW	(H) 1"= N/A	SHEET	1 OF 45
CHECKED BY	(V) 1"= N/A	JOB NO.	1096.11	



STREET PLAN SHEETS DEPICTED BELOW
(SHEETS 3-25)

ROUND-ABOUT SHEETS
(SHEETS 26-37)

STRIPING AND SIGNAGE SHEETS
(SHEETS 38-40)

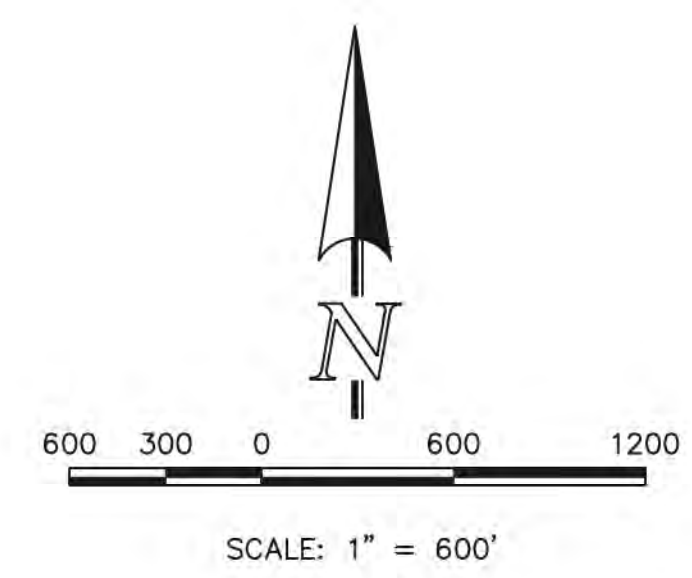
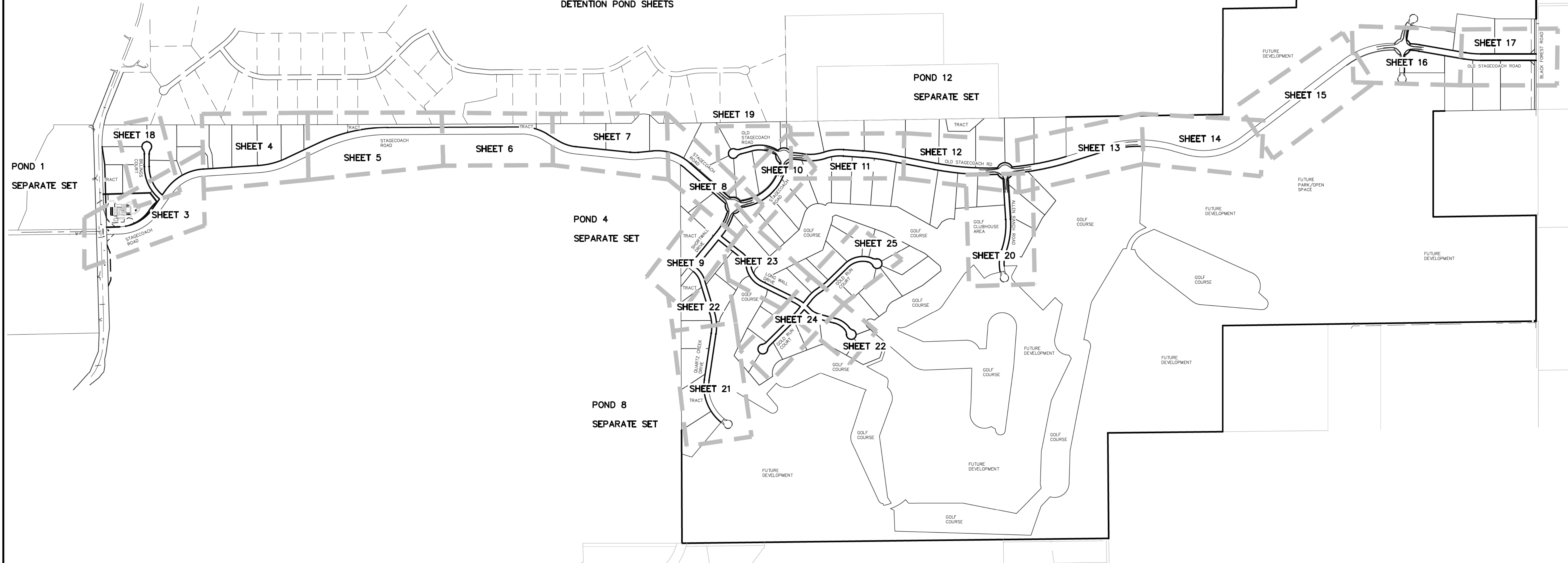
DETAIL SHEET
(SHEET 45)



PLEASE NOTE THAT SHEETS 41-44 ARE
NOT UTILIZED AS SHEETS 2A, 22A, 25A
AND 29A ARE USED INSTEAD.

(SEPARATE SET OF DRAINAGE PLANS)

CULVERT PROFILE SHEETS

DETENTION POND SHEETS

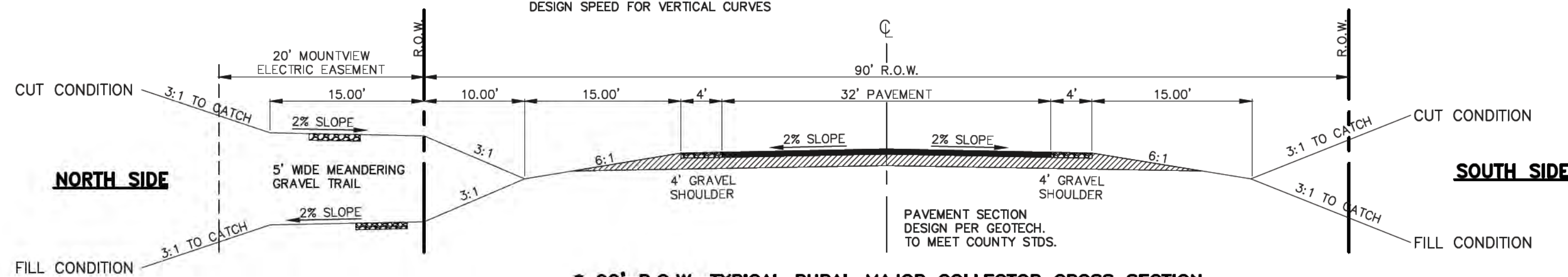


<p style="text-align: center;">48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811</p> <p style="text-align: center;">UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p><small>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</small></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">NO. REVISION</th> <th style="text-align: left;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	NO. REVISION	DATE									<p>REVIEW:</p> <p><small>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</small></p> <div style="text-align: center;">  </div> <p>MARC A. WHORTON, COLORADO P.E. #37155</p>	<div style="text-align: center;">  </div> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</p> <p>(719) 785-0790 (719) 785-0799 (Fax)</p>	<p>FLYING HORSE NORTH FILING NO. 1 CONSTRUCTION DRAWINGS INDEX MAP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>MAW</td> <td>SCALE</td> <td>DATE</td> <td>4-4-18</td> </tr> <tr> <td>DRAWN BY</td> <td>MAW</td> <td>(H) 1" = 600'</td> <td>SHEET</td> <td>2 OF 45</td> </tr> <tr> <td>CHECKED BY</td> <td> </td> <td>(V) 1" = N/A</td> <td>JOB NO.</td> <td>1096.11</td> </tr> </table>	DESIGNED BY	MAW	SCALE	DATE	4-4-18	DRAWN BY	MAW	(H) 1" = 600'	SHEET	2 OF 45	CHECKED BY		(V) 1" = N/A	JOB NO.	1096.11
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N:\JOB\B\DRAWINGS\CONSTRUCTION\109611-S-02.dwg, 9/13/2018 3:41:44 PM, 1:1

* PER APPROVED DEVIATION FOR CONSIDERATION BY THE BOCC DATED 10/21/2016 (AS A PART OF THE FLYING HORSE NORTH PUD)
RURAL MINOR COLLECTOR STANDARDS UTILIZED FOR THIS SECTION OF ROADWAY INCLUDE:

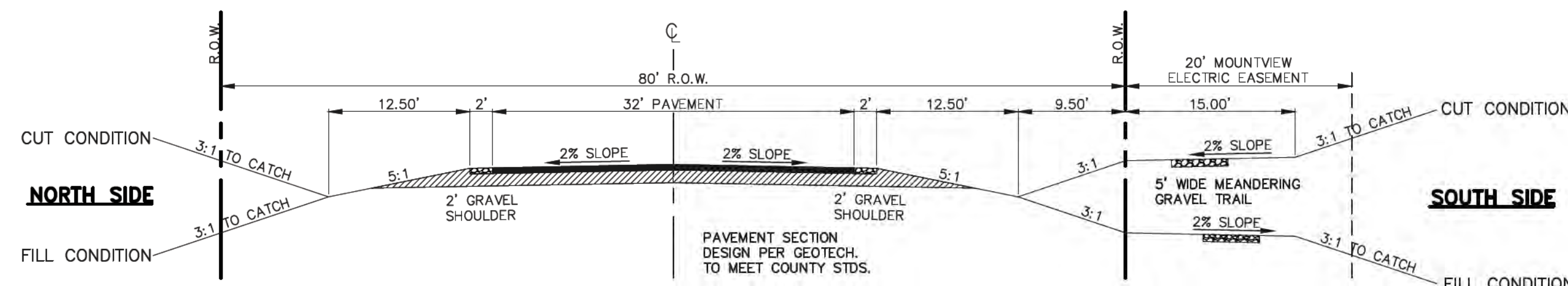
MIN. CL. CURVE RADIUS
LOT ACCESS PERMITTED
INTERSECTION SPACING
DESIGN SPEED FOR VERTICAL CURVES



90' R.O.W. TYPICAL RURAL MAJOR COLLECTOR CROSS SECTION

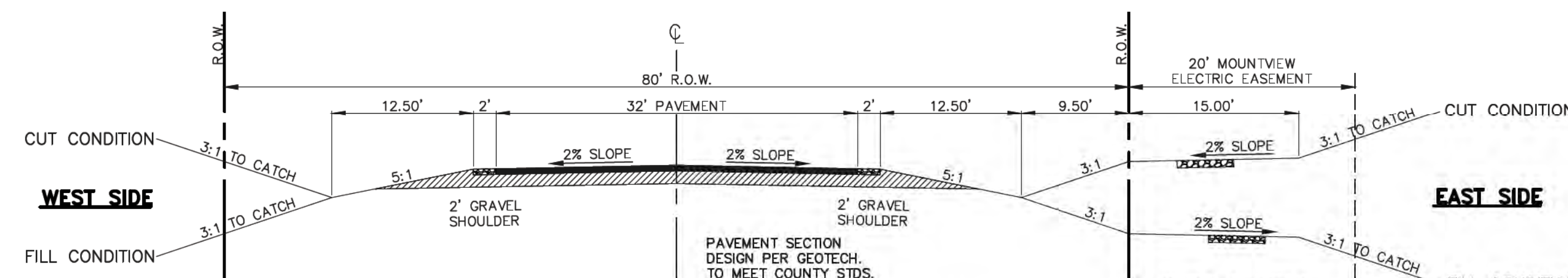
SCALE: 1" = 10'

STAGECOACH ROAD
(HIGHWAY 83 TO FIRST ROUND-ABOUT)



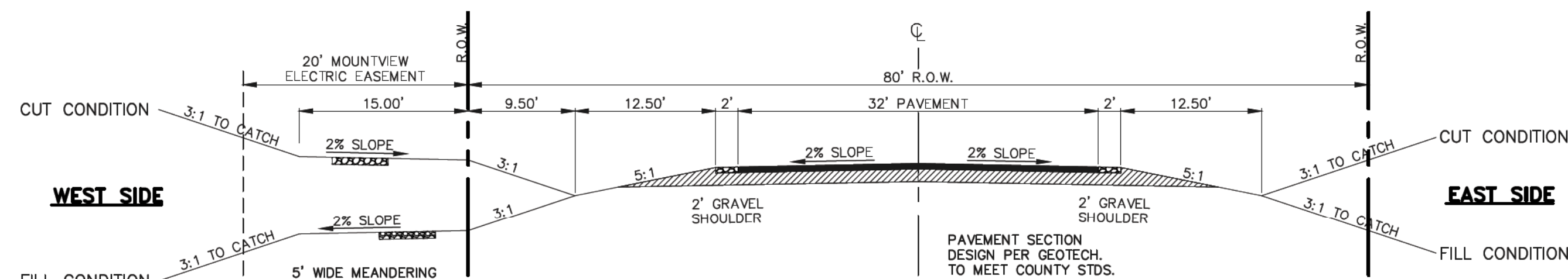
80' R.O.W. TYPICAL RURAL MINOR COLLECTOR CROSS SECTION

SCALE: 1" = 10'
OLD STAGECOACH ROAD



80' R.O.W. TYPICAL RURAL MINOR COLLECTOR CROSS SECTION

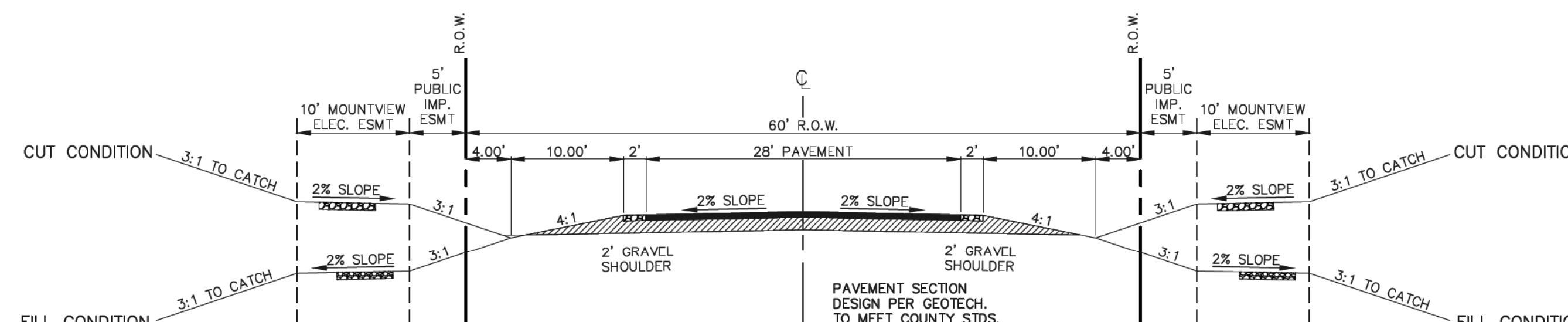
SCALE: 1" = 10'
SHORTWALL DRIVE



80' R.O.W. TYPICAL RURAL MINOR COLLECTOR CROSS SECTION

SCALE: 1" = 10'

STAGECOACH ROAD (BETWEEN 1ST AND 2ND ROUND-ABOUTS)



60' R.O.W. TYPICAL RURAL LOCAL CROSS SECTION

SCALE: 1" = 10'

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811

UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC



MARC A. WHORTON, COLORADO P.E. #37155

9/17/18

DATE



619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

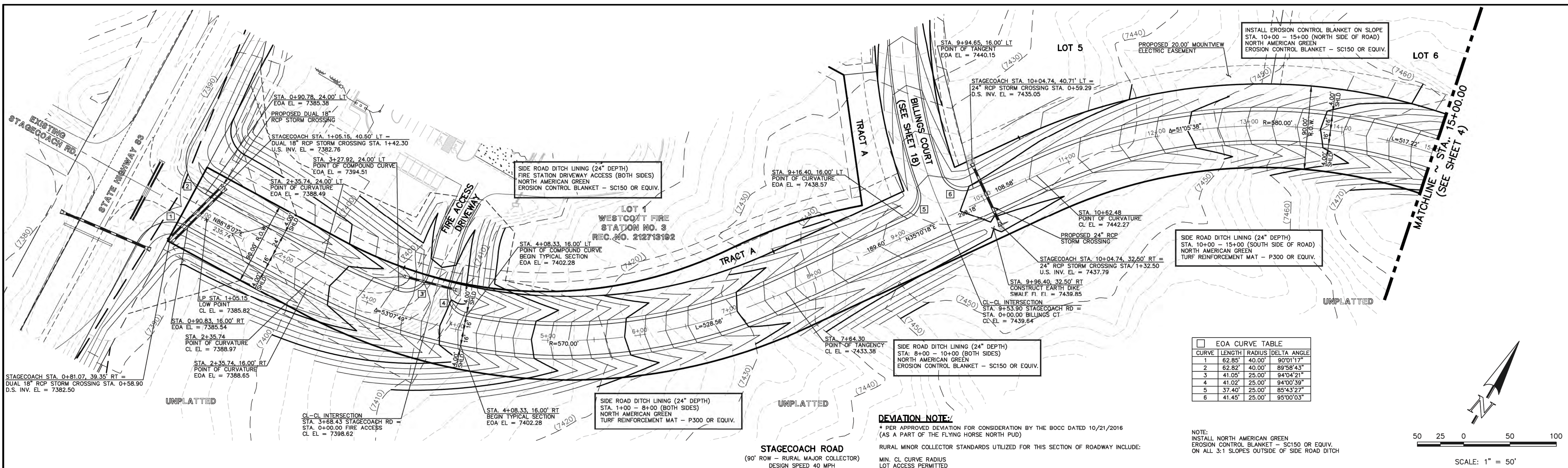
(719) 785-0790
(719) 785-0799 (fax)

FLYING HORSE NORTH FILING NO. 1
CONSTRUCTION DRAWINGS
TYPICAL ROADWAY CROSS SECTION DETAILS

DESIGNED BY	MAW	SCALE	DATE	5/14/18
DRAWN BY	MAW	(H) 1" = 10'	SHEET 2A	OF 45
CHECKED BY		(V) 1" = N/A	JOB NO.	1096.11



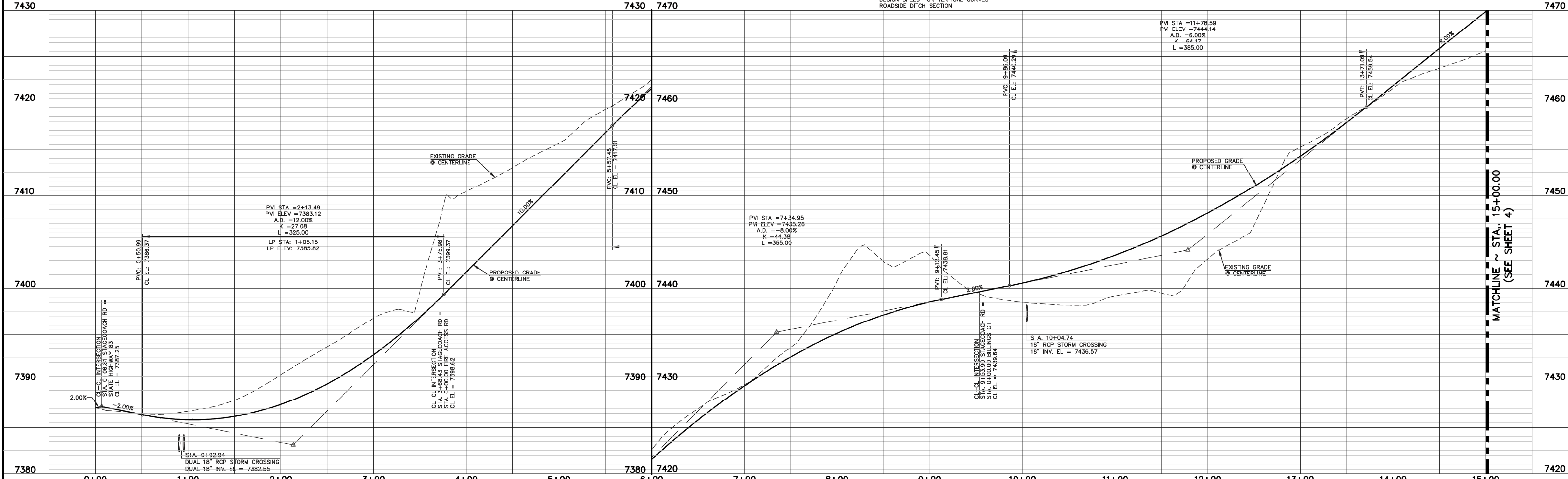
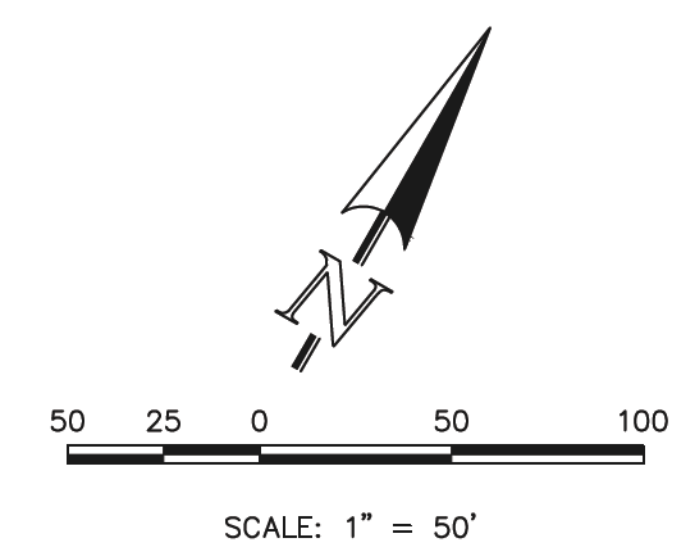
CLASSIC CONSULTING ENGINEERS AND SURVEYORS



EOA CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
1	62.85'	40.00'	90°01'17"
2	62.82'	40.00'	89°58'43"
3	41.05'	25.00'	94°04'21"
4	41.02'	25.00'	94°00'39"
5	37.40'	25.00'	85°43'27"
6	41.45'	25.00'	95°00'03"

DEVIATION NOTE:
 * PER APPROVED DEVIATION FOR CONSIDERATION BY THE BOCC DATED 10/21/2016 (AS A PART OF THE FLYING HORSE NORTH PUD)
 RURAL MINOR COLLECTOR STANDARDS UTILIZED FOR THIS SECTION OF ROADWAY INCLUDE:
 MIN. CL CURVE RADIUS
 LOT ACCESS PERMITTED
 INTERSECTION SPACING
 DESIGN SPEED FOR VERTICAL CURVES
 ROADSIDE DITCH SECTION

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH



48 HOURS BEFORE YOU DIG,
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NO.	REVISION	DATE	REVIEW:

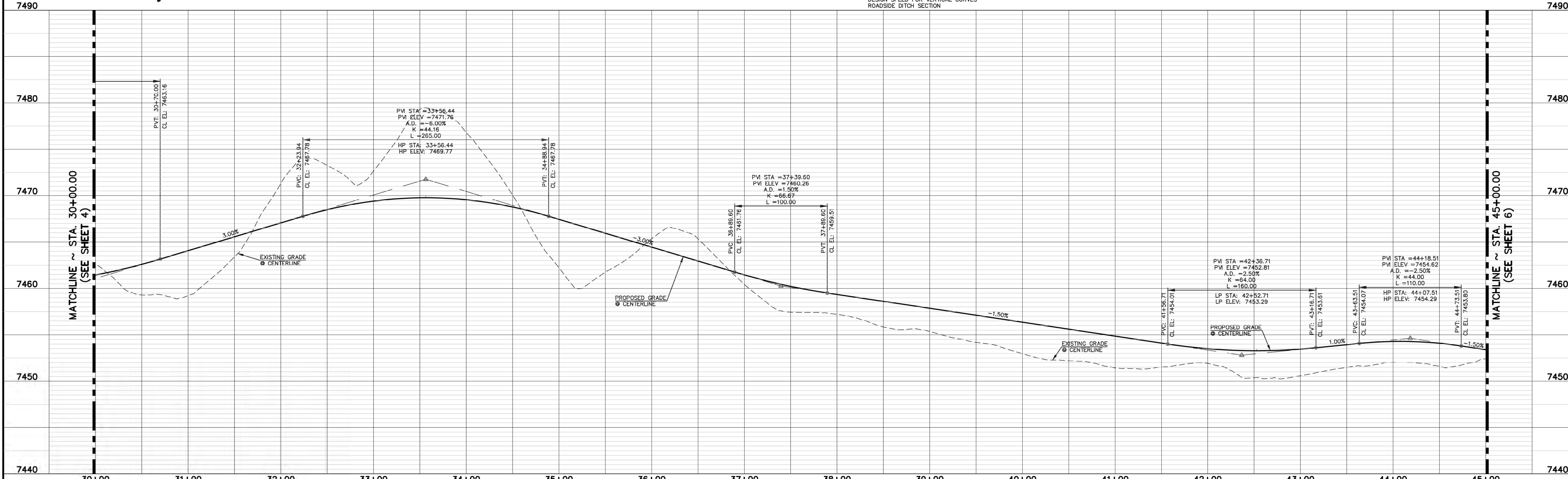
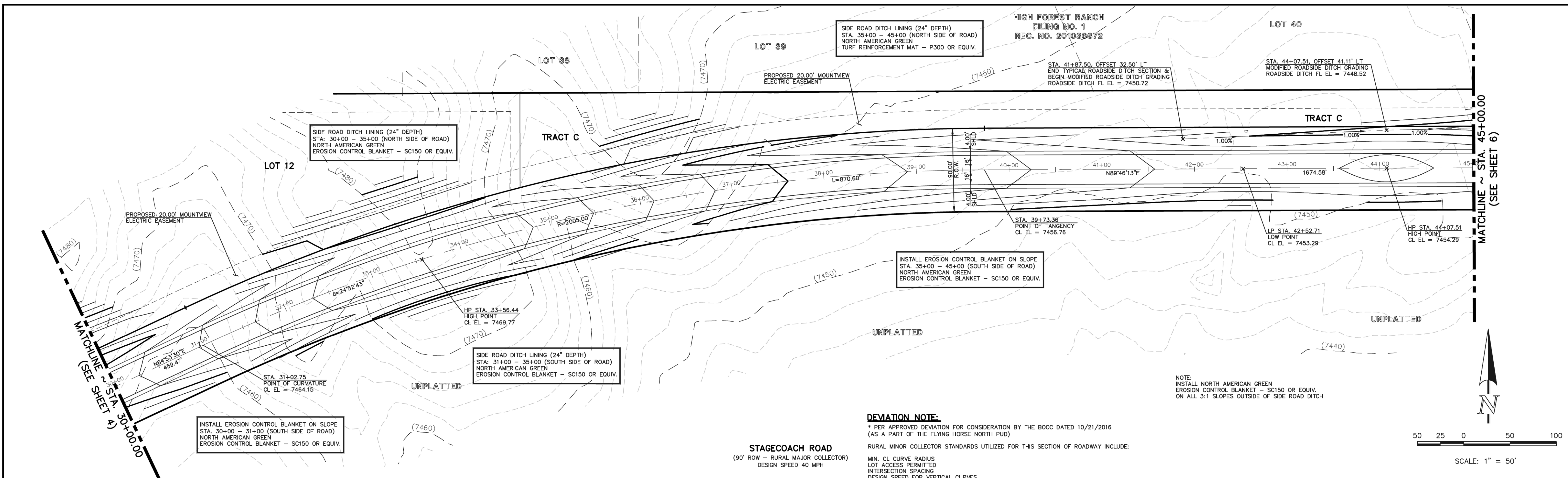
PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

 MARC A. WHORTON, COLORADO P.E. #37155
 DATE 9/17/18

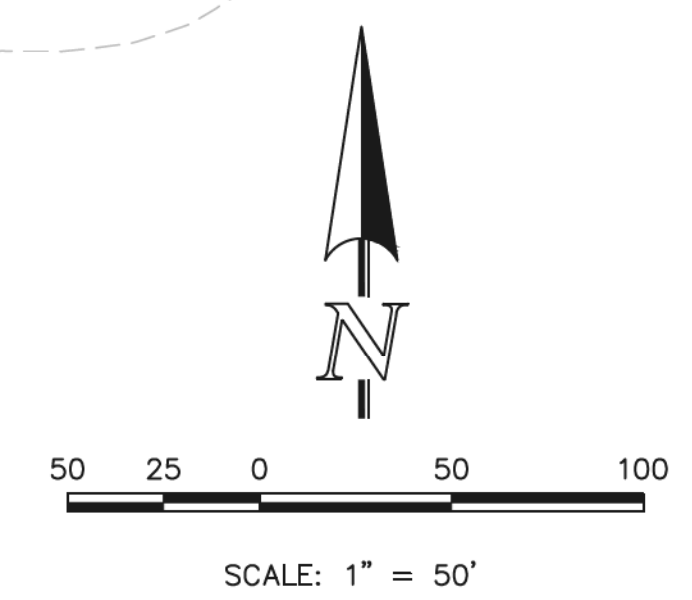
CLASSIC
 CONSULTING ENGINEERS & SURVEYORS
 619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)


FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 STAGECOACH ROAD
 STA. 0+00.00 - STA. 15+00.00
 DESIGNED BY PRA SCALE DATE 08-11-17
 DRAWN BY PRA (H) 1" = 50' SHEET 3 OF 45
 CHECKED BY (V) 1" = 5' JOB NO. 1096.11

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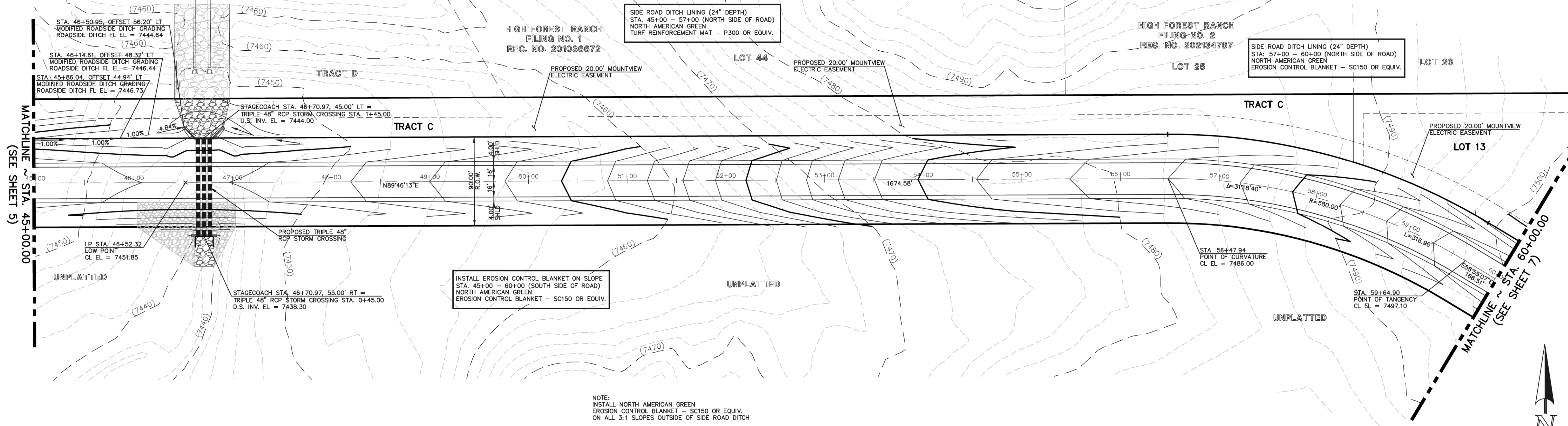


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 LOT ACCESS PERMITTED
 INTERSECTION SPACING
 DESIGN SPEED FOR VERTICAL CURVES
 ROADSIDE DITCH SECTION



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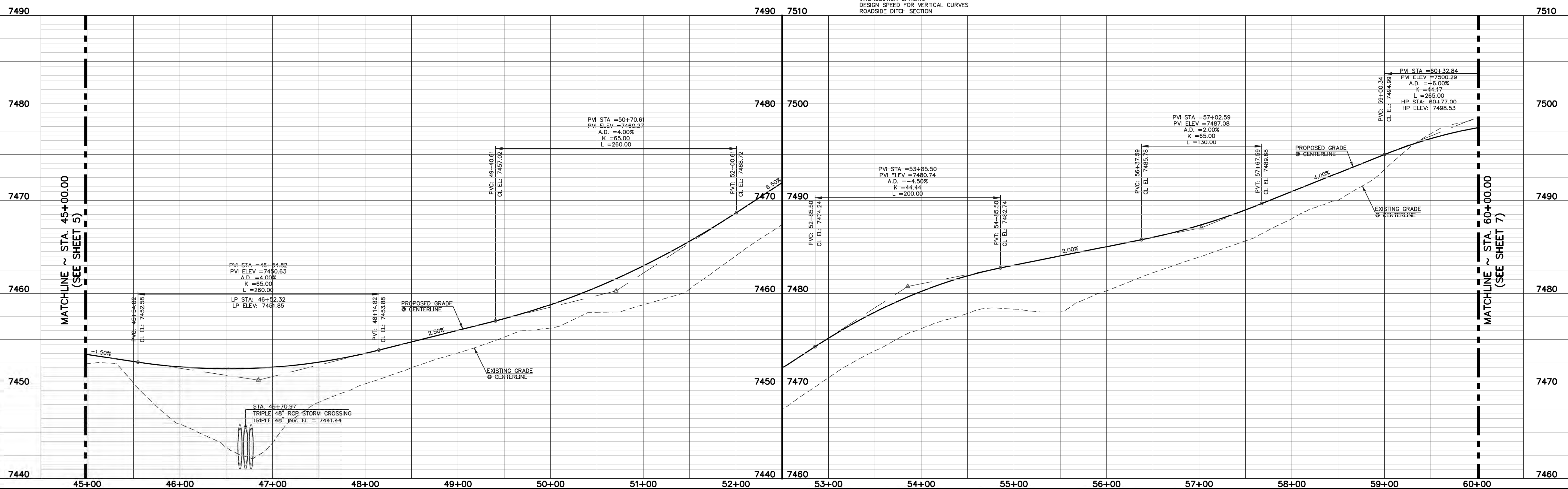
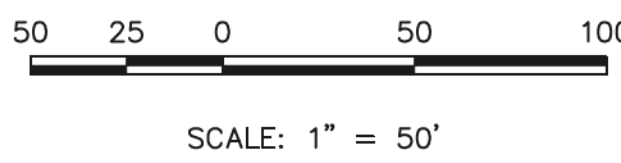


NOTE:
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 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

DEVIATION NOTE:
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STAGECOACH ROAD
 (90' ROW - RURAL MAJOR COLLECTOR)
 DESIGN SPEED 40 MPH

RURAL MINOR COLLECTOR STANDARDS UTILIZED FOR THIS SECTION OF ROADWAY INCLUDE:
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 INTERSECTION SPACING
 DESIGN SPEED FOR VERTICAL CURVES
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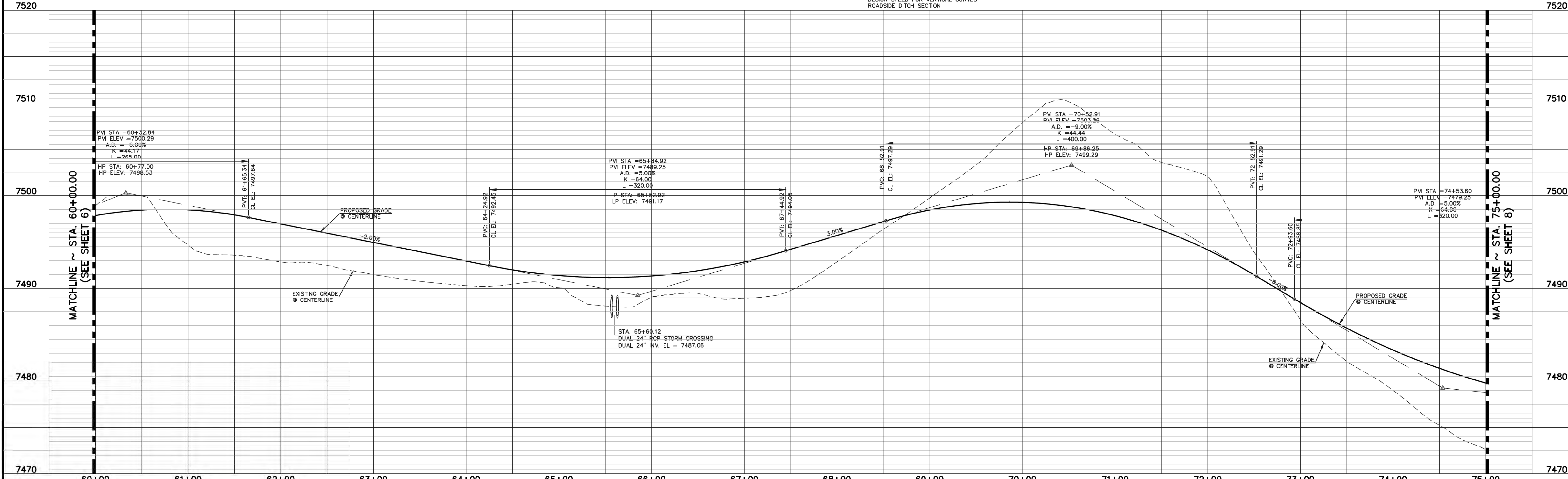
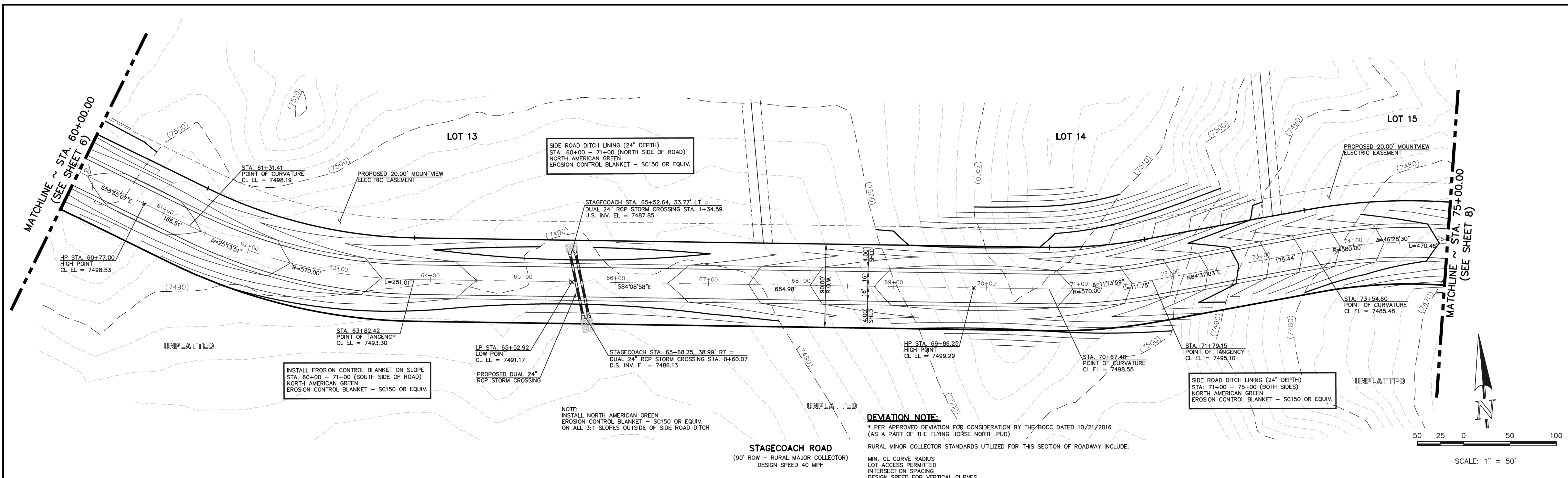
MARC A. WHORTON, COLORADO P.E. #37155

DATE: 9/17/18

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
 STAGECOACH ROAD
 STA. 45+00.00 - STA. 60+00.00

DESIGNED BY: PRA SCALE: DATE: 08-11-17
 DRAWN BY: PRA (H) 1" = 50' SHEET 6 OF 45
 CHECKED BY: (V) 1" = 5' JOB NO.: 1096.11

CLASSIC
 ENGINEERS & SURVEYORS



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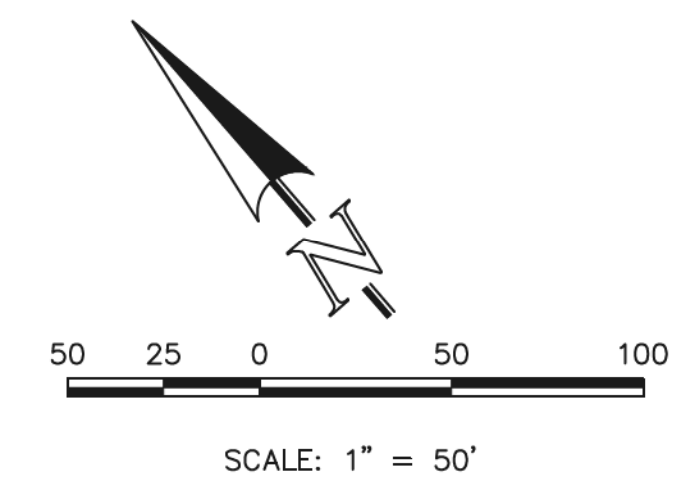
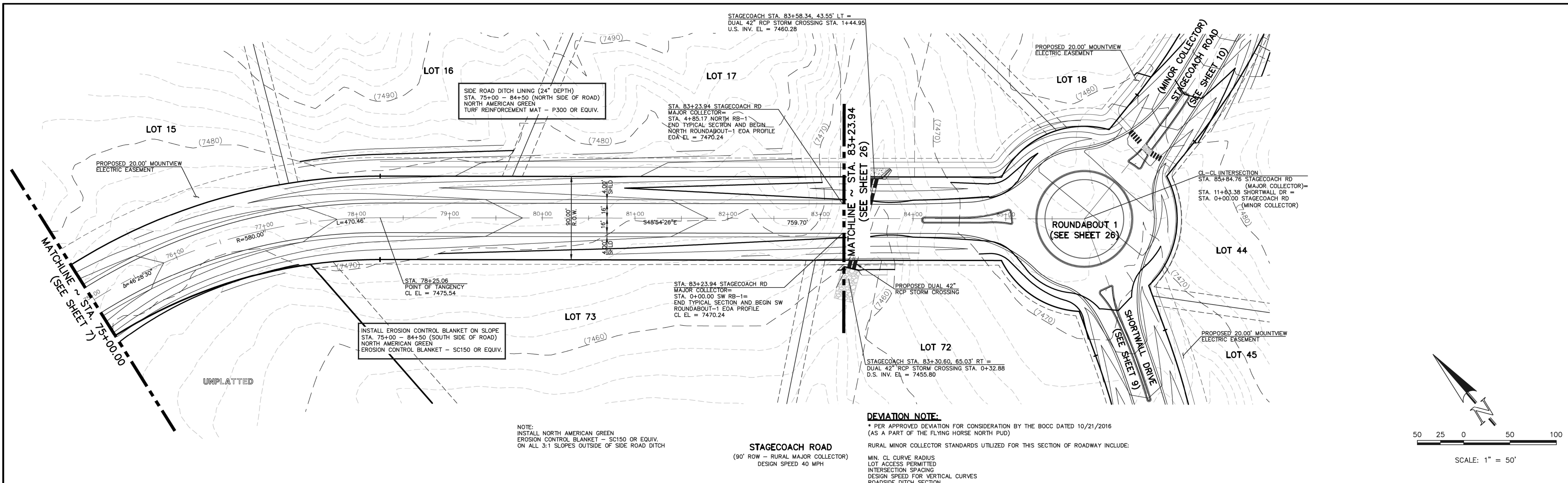
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STREET IMPROVEMENT PLAN
STAGECOACH ROAD
STA. 60+00.00 - STA. 75+00.00

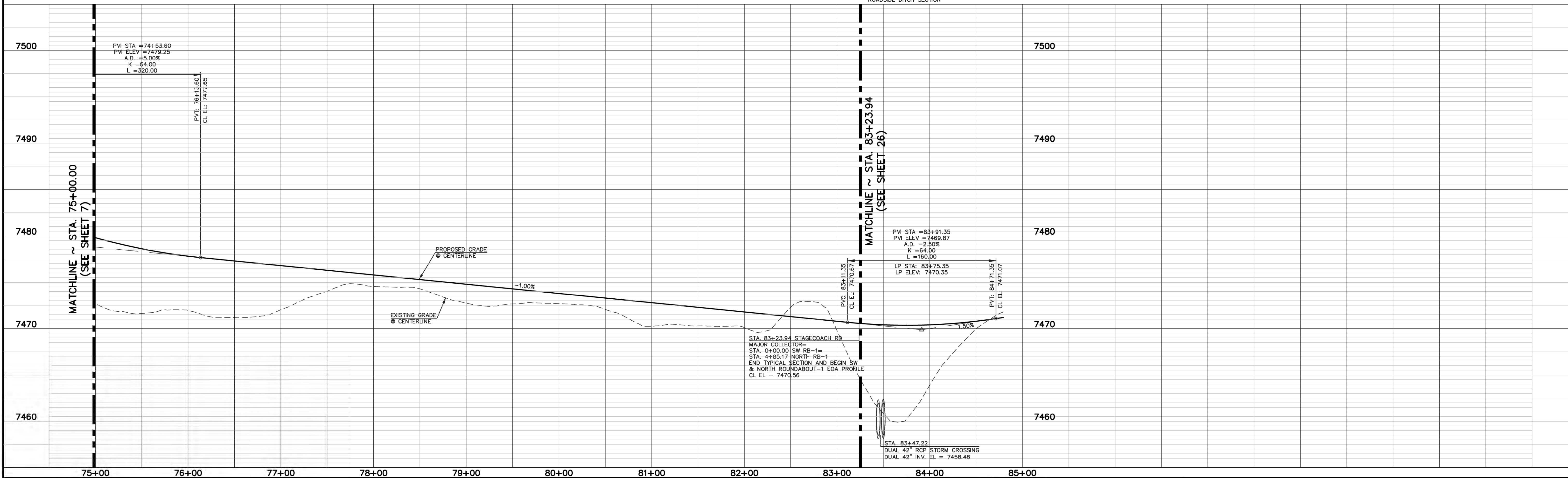
DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	7 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	



NOTE:
INSTALL NORTH AMERICAN GREEN
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ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

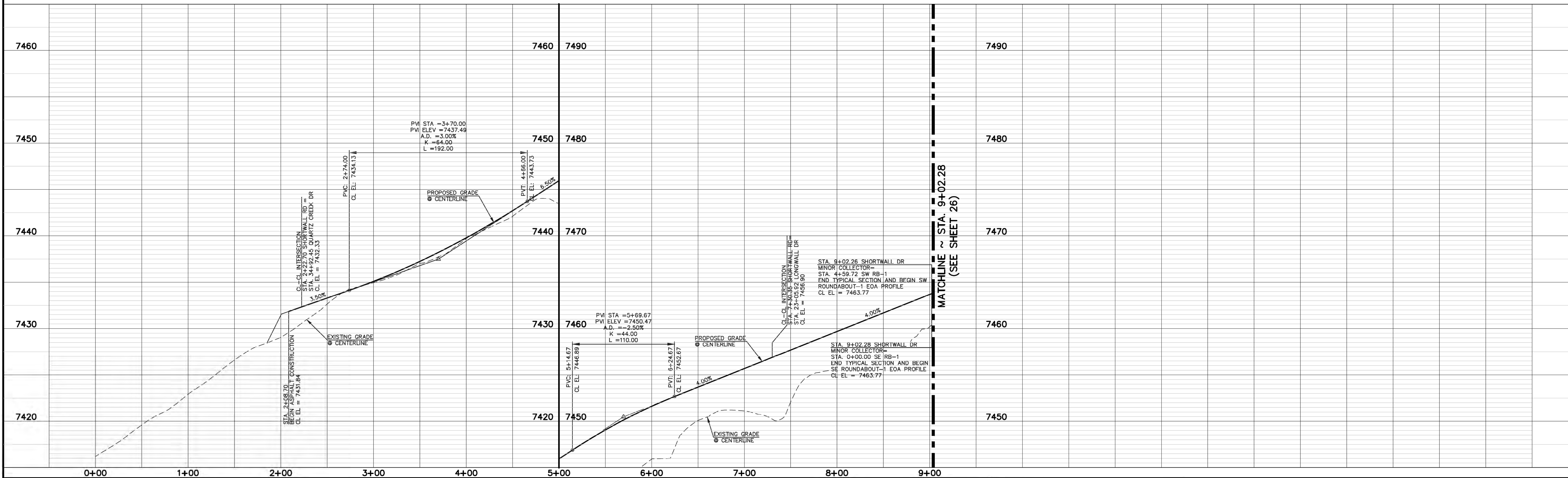
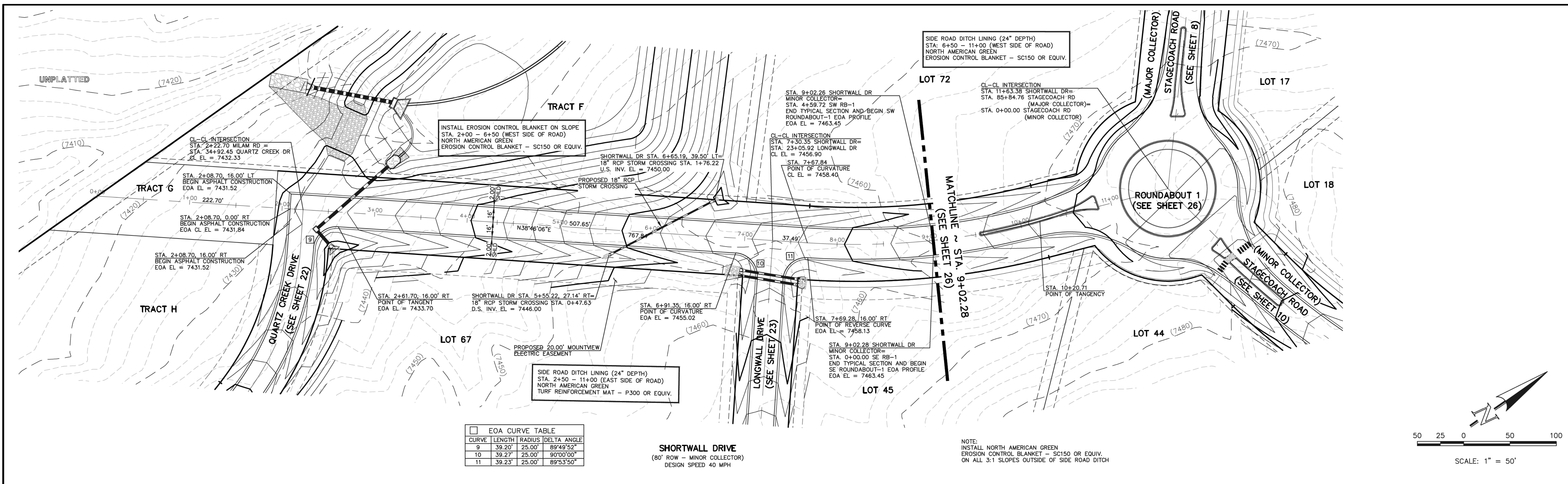
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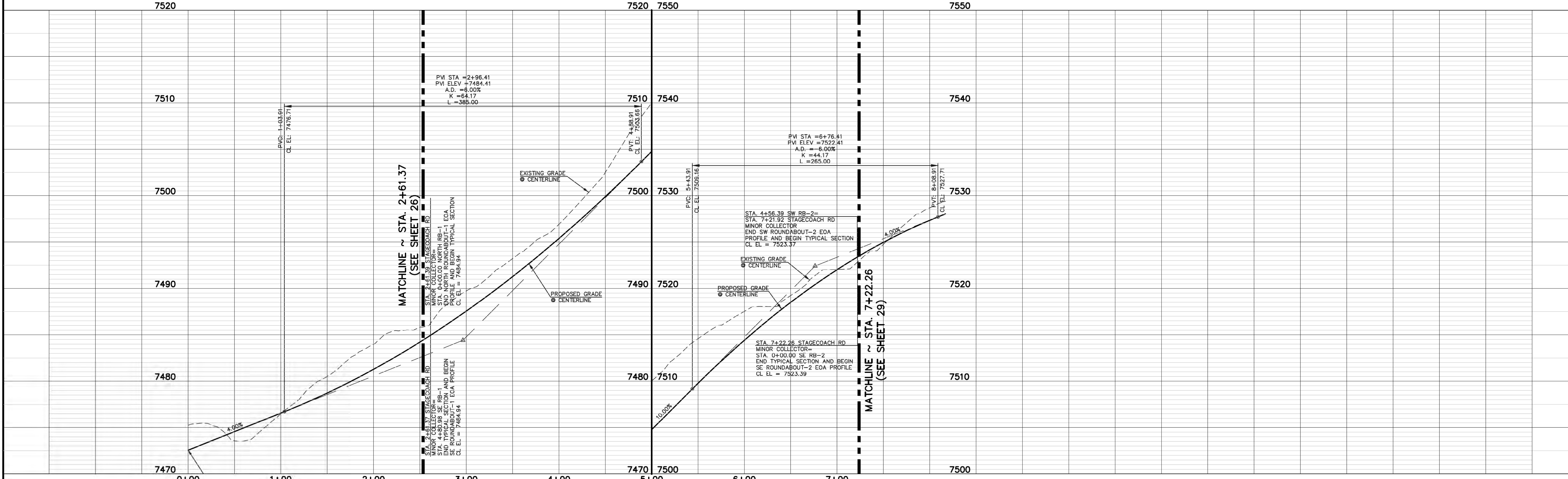
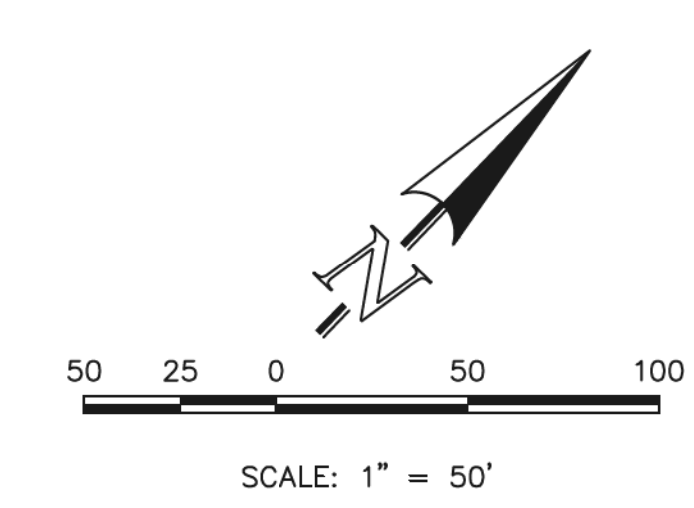
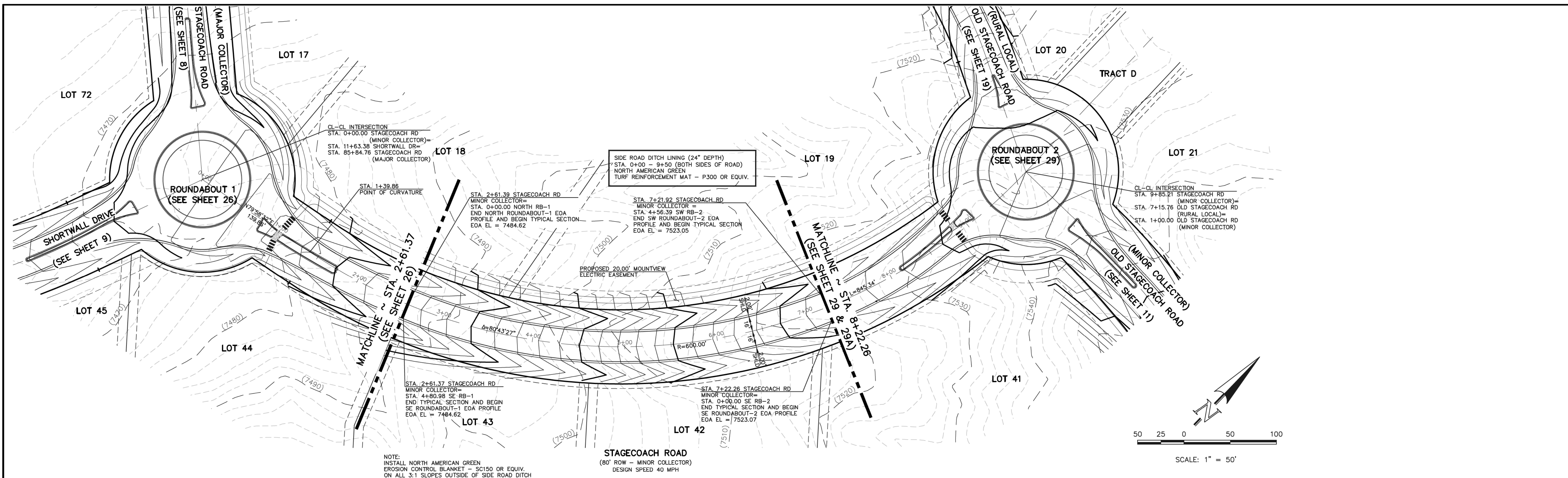
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<p style="text-align: center;">48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p style="font-size: small;">THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="font-size: x-small;">NO.</th> <th style="font-size: x-small;">REVISION</th> <th style="font-size: x-small;">DATE</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> </tr> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION	DATE							<p>REVIEW:</p> <p style="font-size: x-small;">PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <div style="text-align: center;"> </div> <p style="font-size: x-small;">MARC A. WHORTON, COLORADO P.E. #37155</p>	<div style="text-align: center;"> <p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p> </div> <p style="font-size: x-small;">619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)</p>	<p style="font-size: x-small;">FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN STAGECOACH ROAD STA. 75+00.00 - STA. 83+23.94</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="font-size: xx-small;">DESIGNED BY</td> <td style="font-size: xx-small;">PRA</td> <td style="font-size: xx-small;">SCALE</td> <td style="font-size: xx-small;">DATE</td> <td style="font-size: xx-small;">08-11-17</td> </tr> <tr> <td style="font-size: xx-small;">DRAWN BY</td> <td style="font-size: xx-small;">PRA</td> <td style="font-size: xx-small;">(H) 1" = 50'</td> <td style="font-size: xx-small;">SHEET</td> <td style="font-size: xx-small;">8 OF 45</td> </tr> <tr> <td style="font-size: xx-small;">CHECKED BY</td> <td style="font-size: xx-small;">(V) 1" = 5'</td> <td style="font-size: xx-small;">JOB NO.</td> <td colspan="2" style="font-size: xx-small;">1096.11</td> </tr> </table>	DESIGNED BY	PRA	SCALE	DATE	08-11-17	DRAWN BY	PRA	(H) 1" = 50'	SHEET	8 OF 45	CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	
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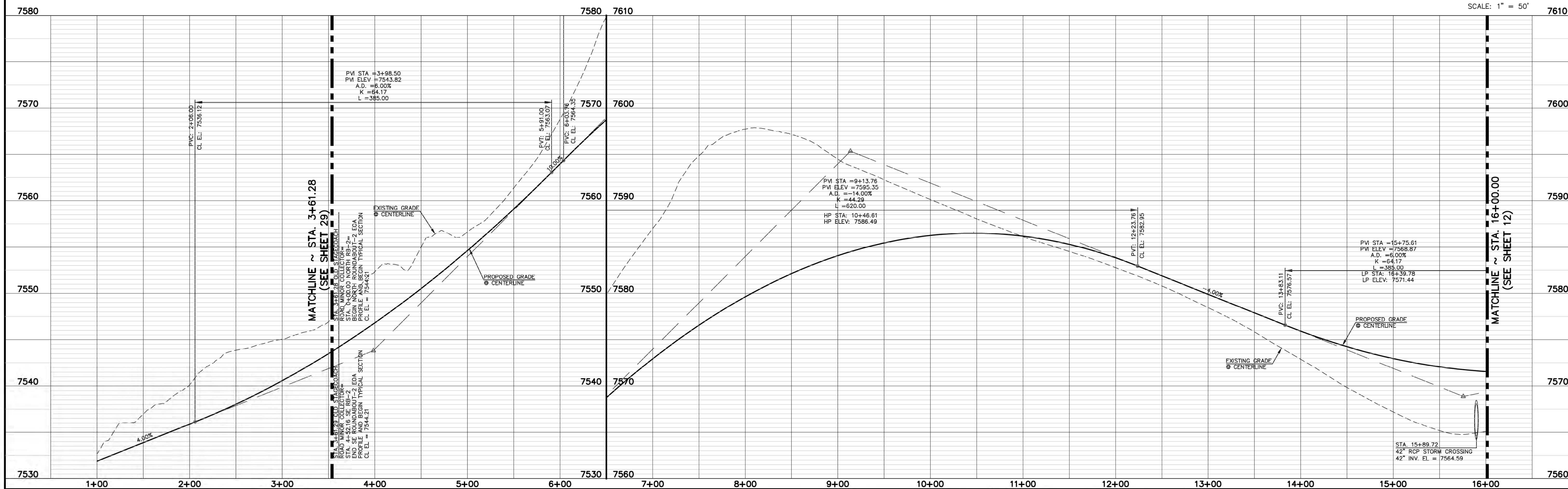
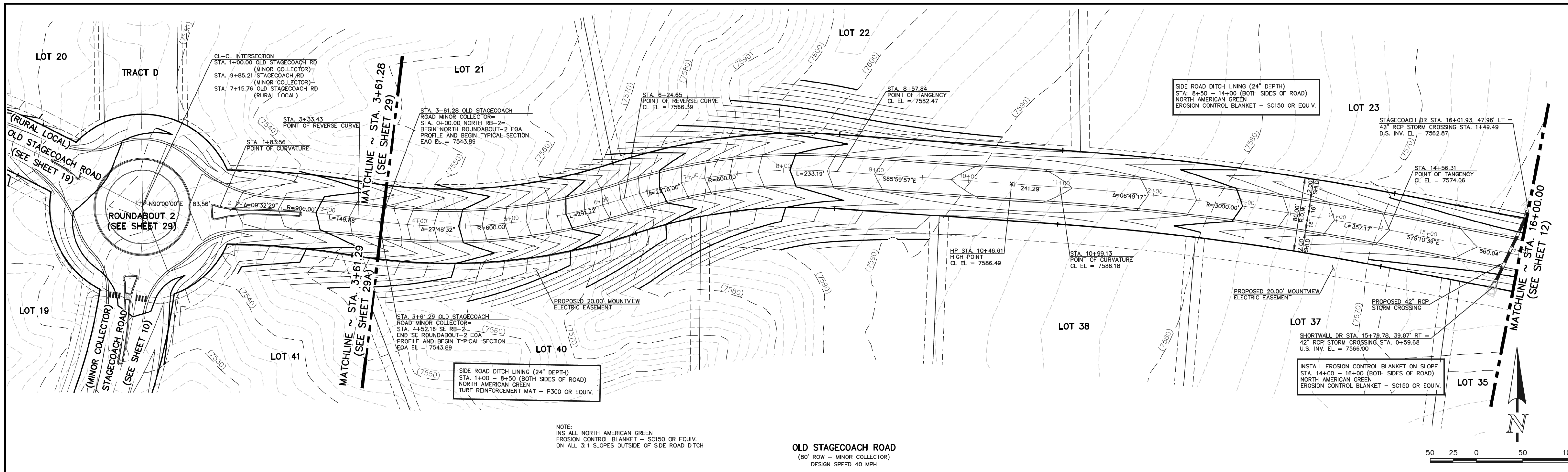
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	<p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)</p>			<p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p>

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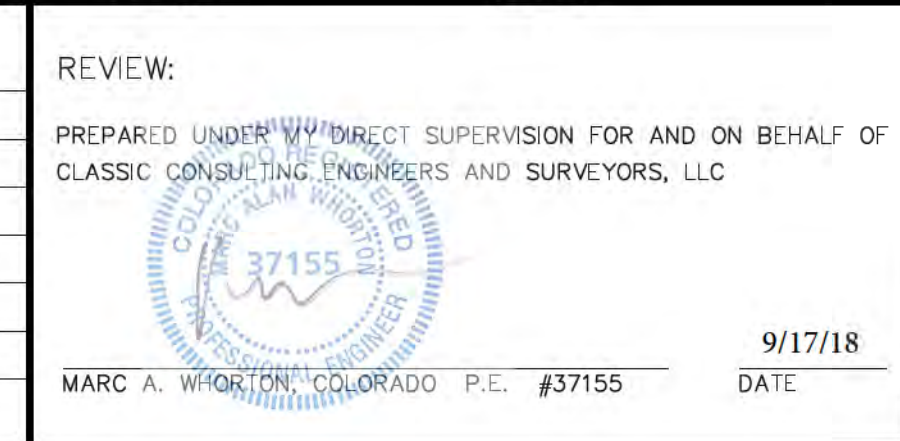
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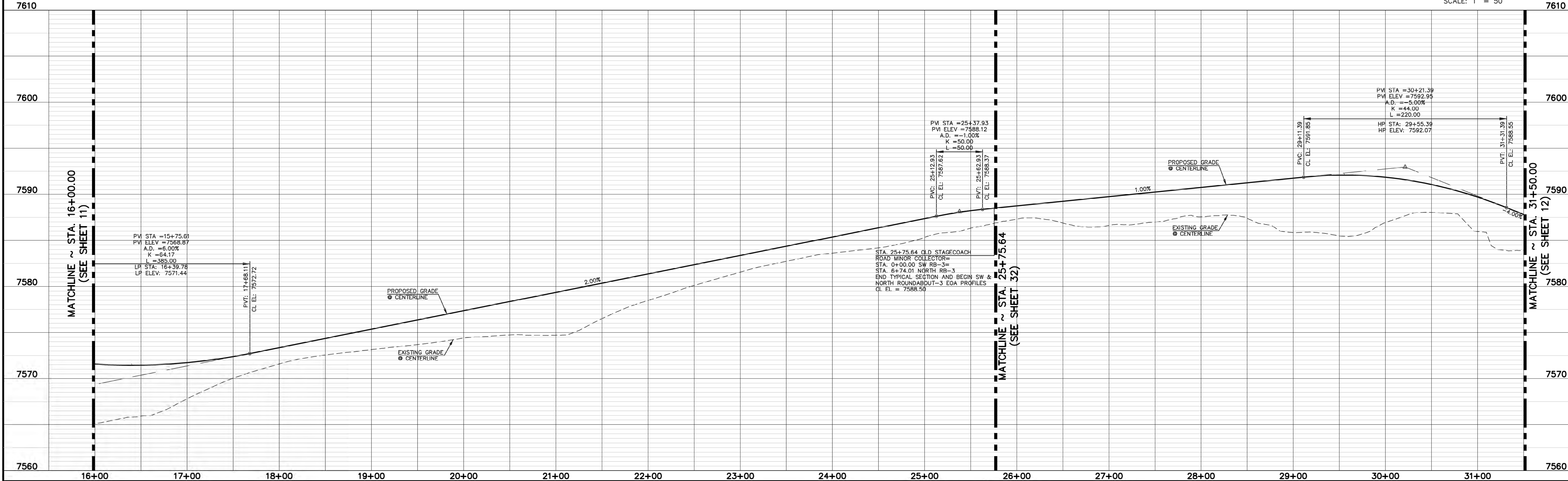
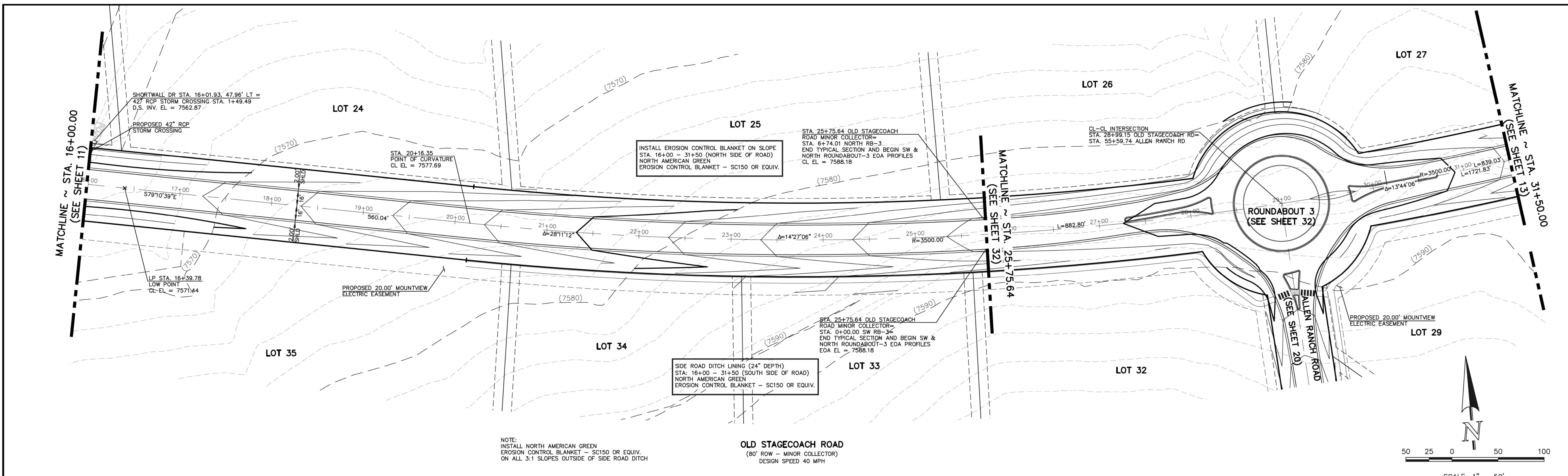
9/17/18





FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 OLD STAGECOACH ROAD - MINOR COLLECTOR
 STA. 3+55.28 - STA. 16+00.00

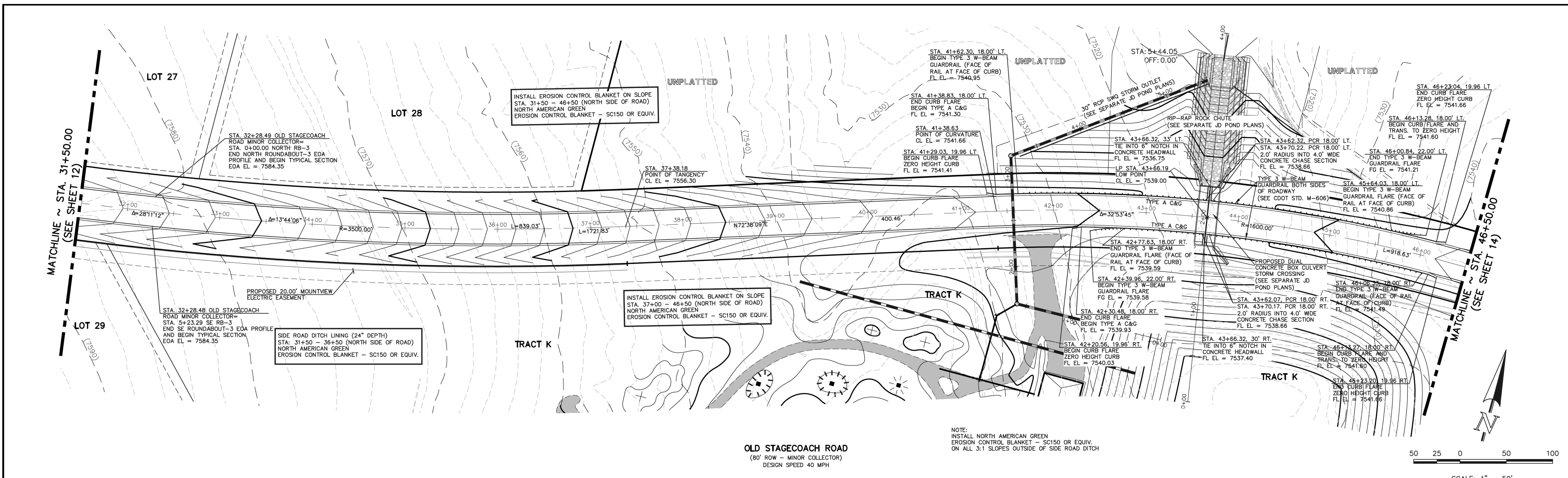
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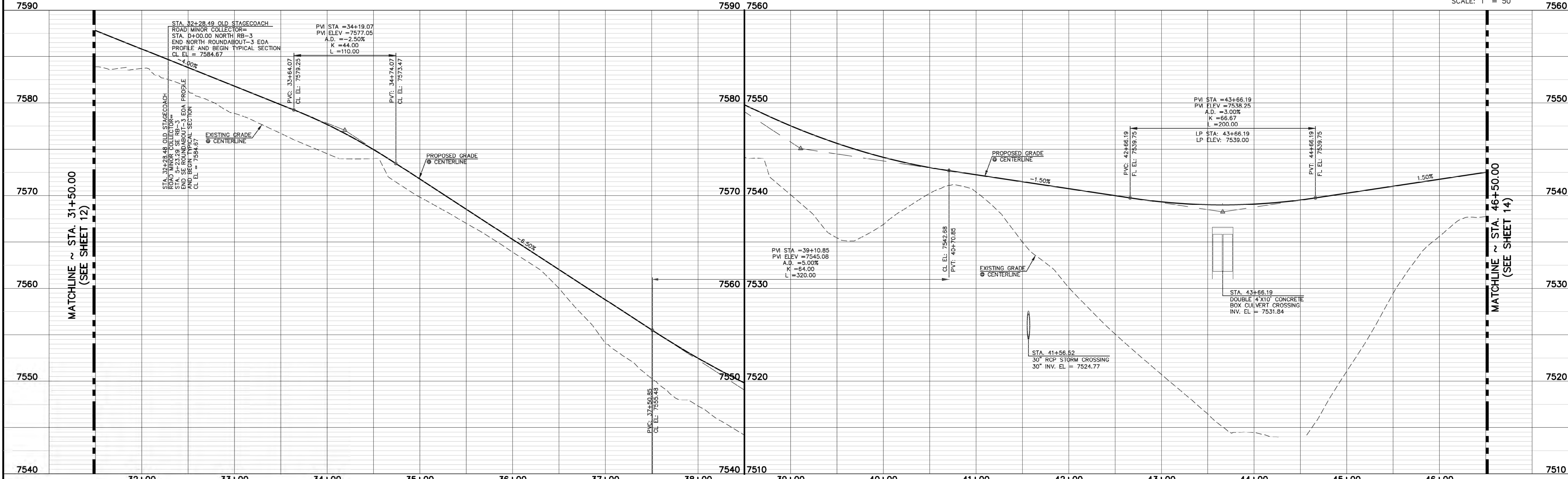
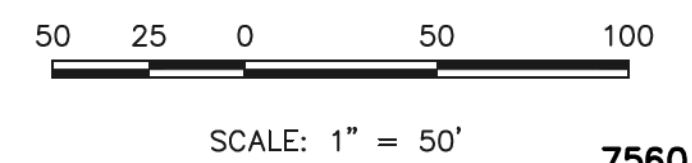
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<p style="text-align: center;">48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811</p> <p style="text-align: center;">UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p style="font-size: small;">THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION	DATE				<p>REVIEW:</p> <p style="font-size: x-small;">PREPARED UNDER DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <div style="text-align: center;">  <p>MARC A. WHORTON, COLORADO P.E. #37155</p> </div> <p style="text-align: right;">9/17/18 DATE</p>	 <p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p> <p style="font-size: x-small;">619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)</p>	<p>FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN</p> <p>OLD STAGECOACH ROAD - MINOR COLLECTOR STA. 16+00.00 - STA. 31+50.00</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td>DESIGNED BY</td> <td>PRA</td> <td>SCALE</td> <td>DATE</td> <td>08-11-17</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = 50'</td> <td>SHEET</td> <td>12 OF 45</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = 5'</td> <td>JOB NO.</td> <td colspan="2">1096.11</td> </tr> </table>	DESIGNED BY	PRA	SCALE	DATE	08-11-17	DRAWN BY	PRA	(H) 1" = 50'	SHEET	12 OF 45	CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	
NO.	REVISION	DATE																							
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OLD STAGECOACH ROAD
 (80' ROW - MINOR COLLECTOR)
 DESIGN SPEED 40 MPH

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH



N:\190811\DRAWINGS\CONSTRUCTION\08611-5-13.dwg, 9/17/2018 4:04:21 PM, 1:1

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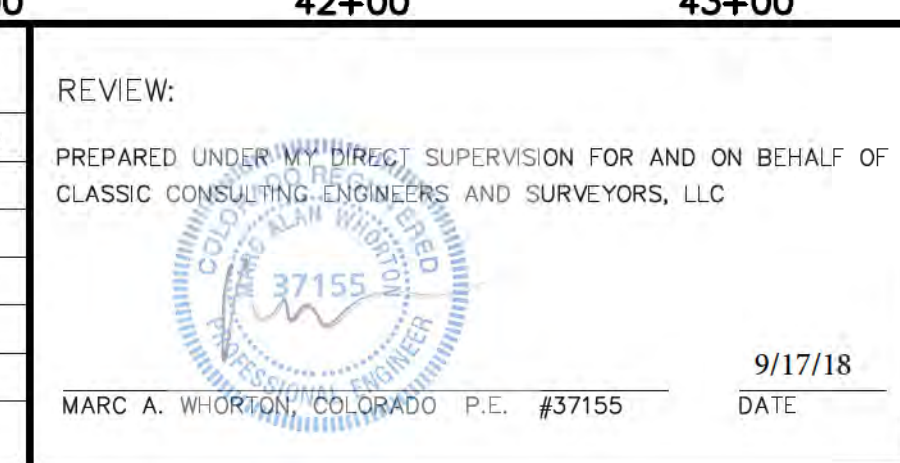
NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	7-31-18

REVIEW:

PREPARED UNDER DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

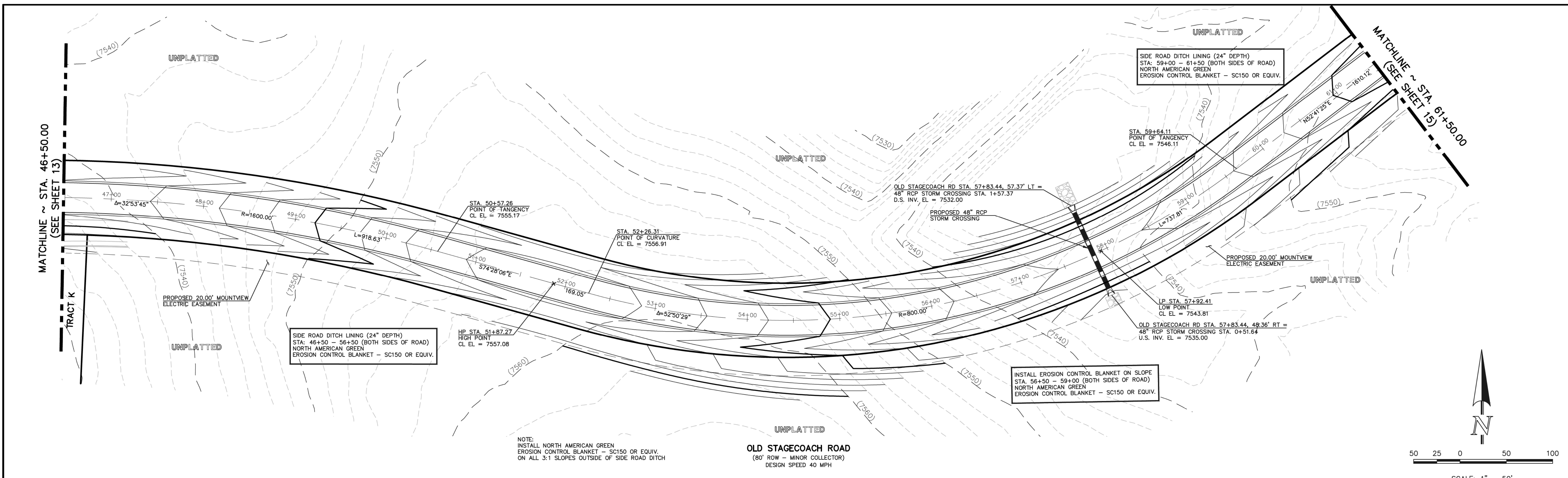
MARC A. WILSON, COLORADO P.E. #37155

9/17/18



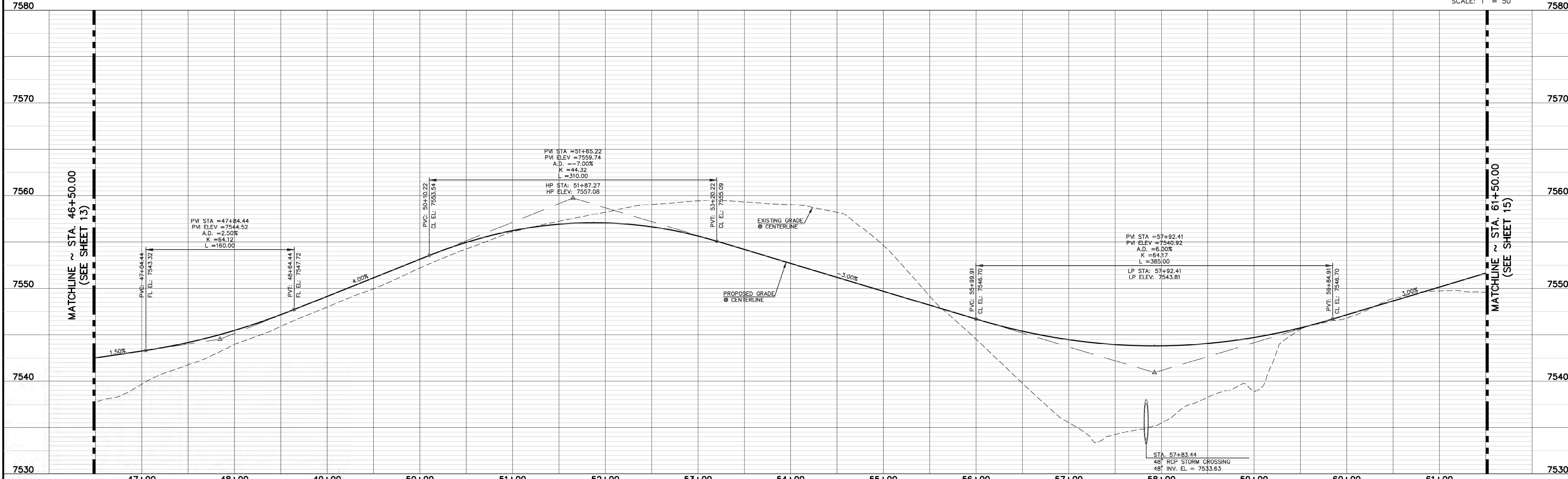
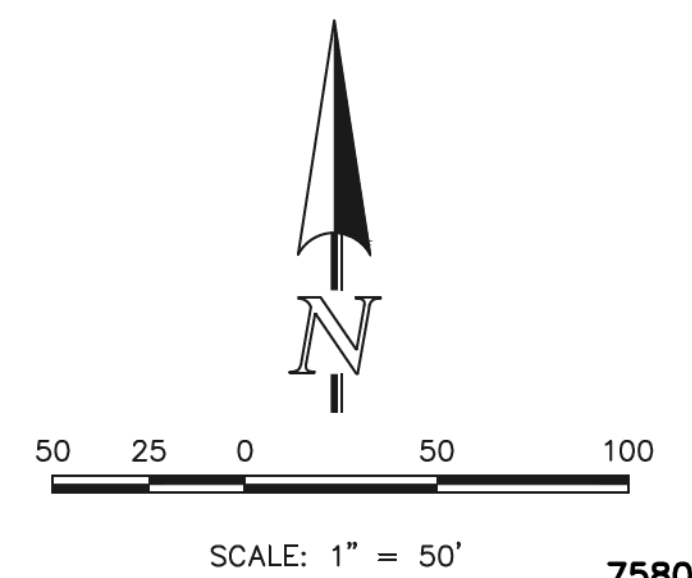
FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
 OLD STAGECOACH ROAD - MINOR COLLECTOR
 STA. 31+50.00 - STA. 46+50.00

DESIGNED BY: PRA SCALE: DATE: 08-11-17
 DRAWN BY: PRA (H) 1" = 50' SHEET 13 OF 45
 CHECKED BY: (V) 1" = 5' JOB NO.: 1096.11

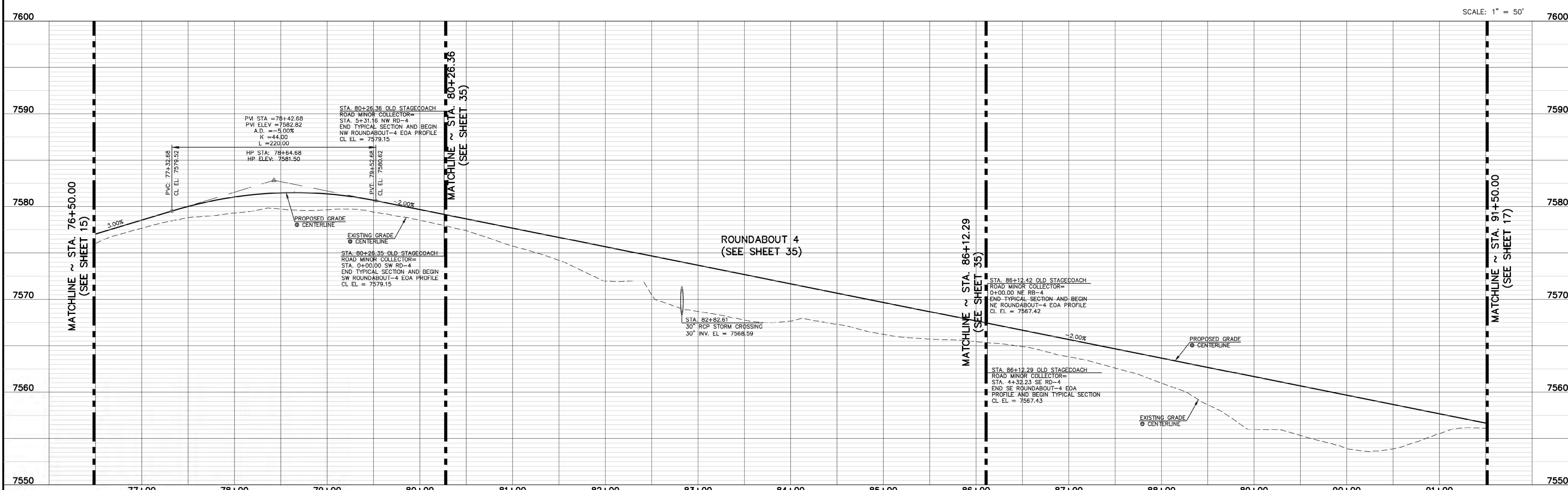
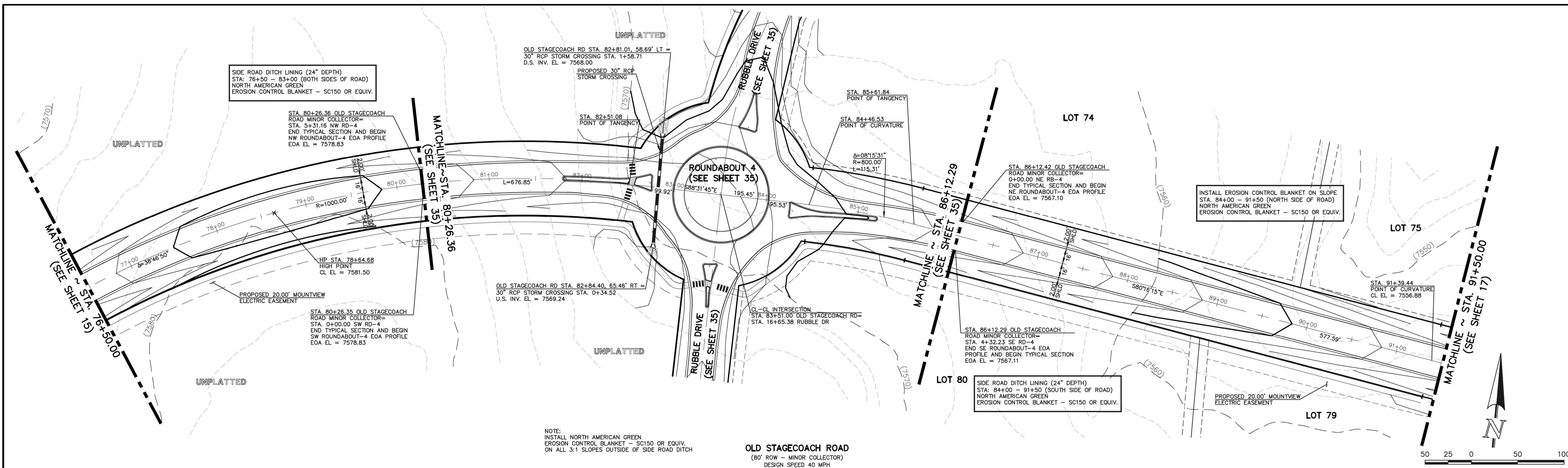


NOTE:
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 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

OLD STAGECOACH ROAD
 (80' ROW - MINOR COLLECTOR)
 DESIGN SPEED 40 MPH

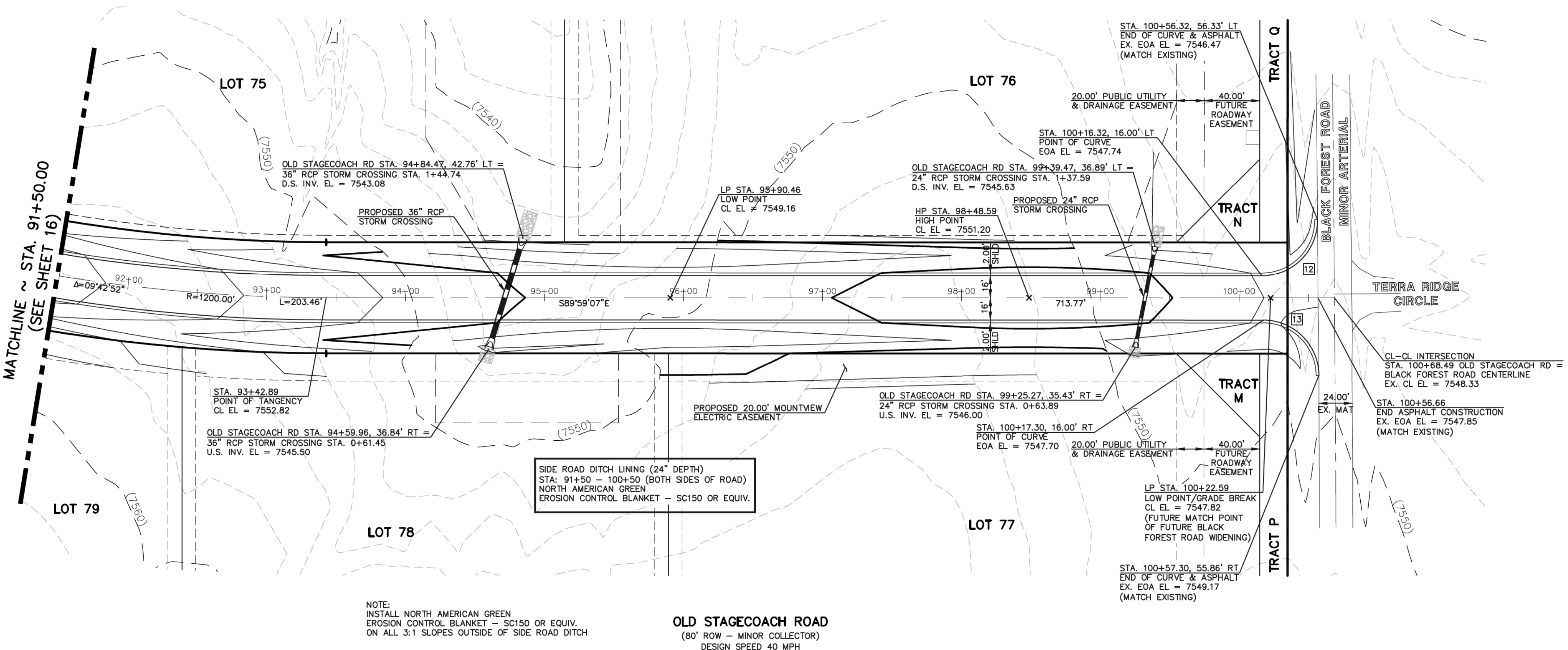


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<p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p>								

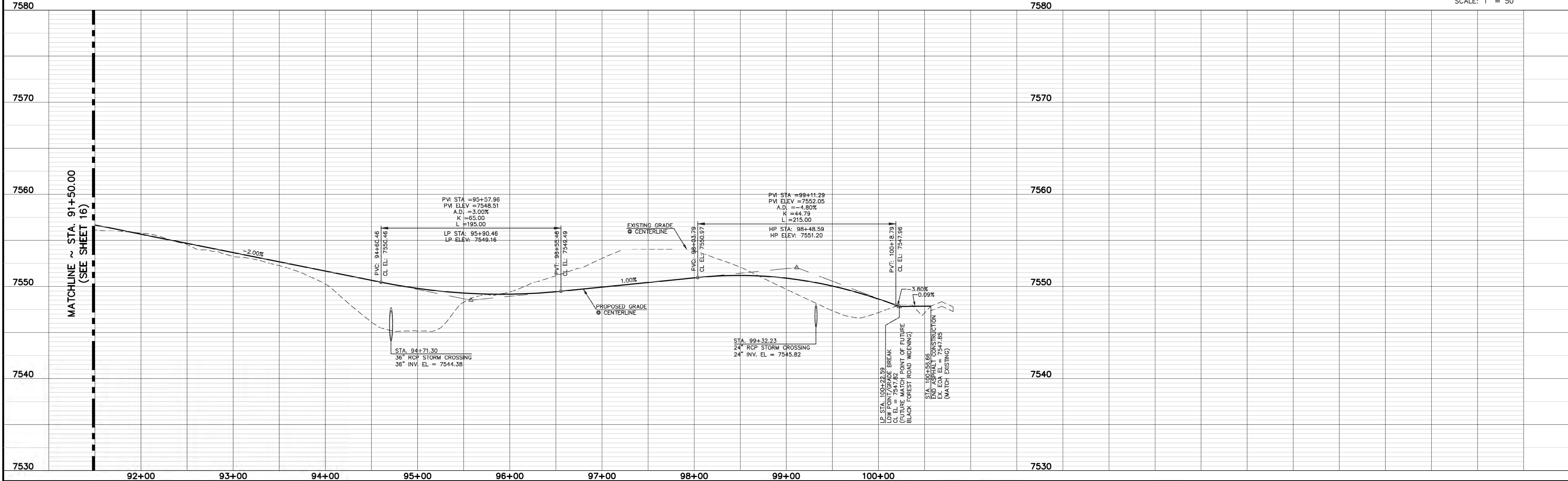
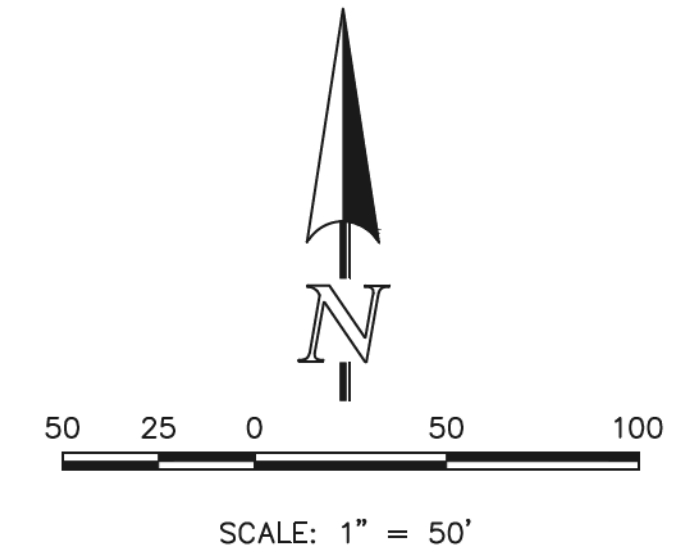
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EOA CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
12	63.16'	40.00'	90°28'10"
13	62.69'	40.00'	89°47'53"

NOTE:
INSTALL NORTH AMERICAN GREEN
EROSION CONTROL BLANKET - SC150 OR EQUIV.
ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

OLD STAGECOACH ROAD
(80' ROW - MINOR COLLECTOR)
DESIGN SPEED 40 MPH



N:\190811\DRAWINGS\CONSTRUCTION\09611-5-17.dwg, 9/17/2018 4:17:28 PM, 1:1

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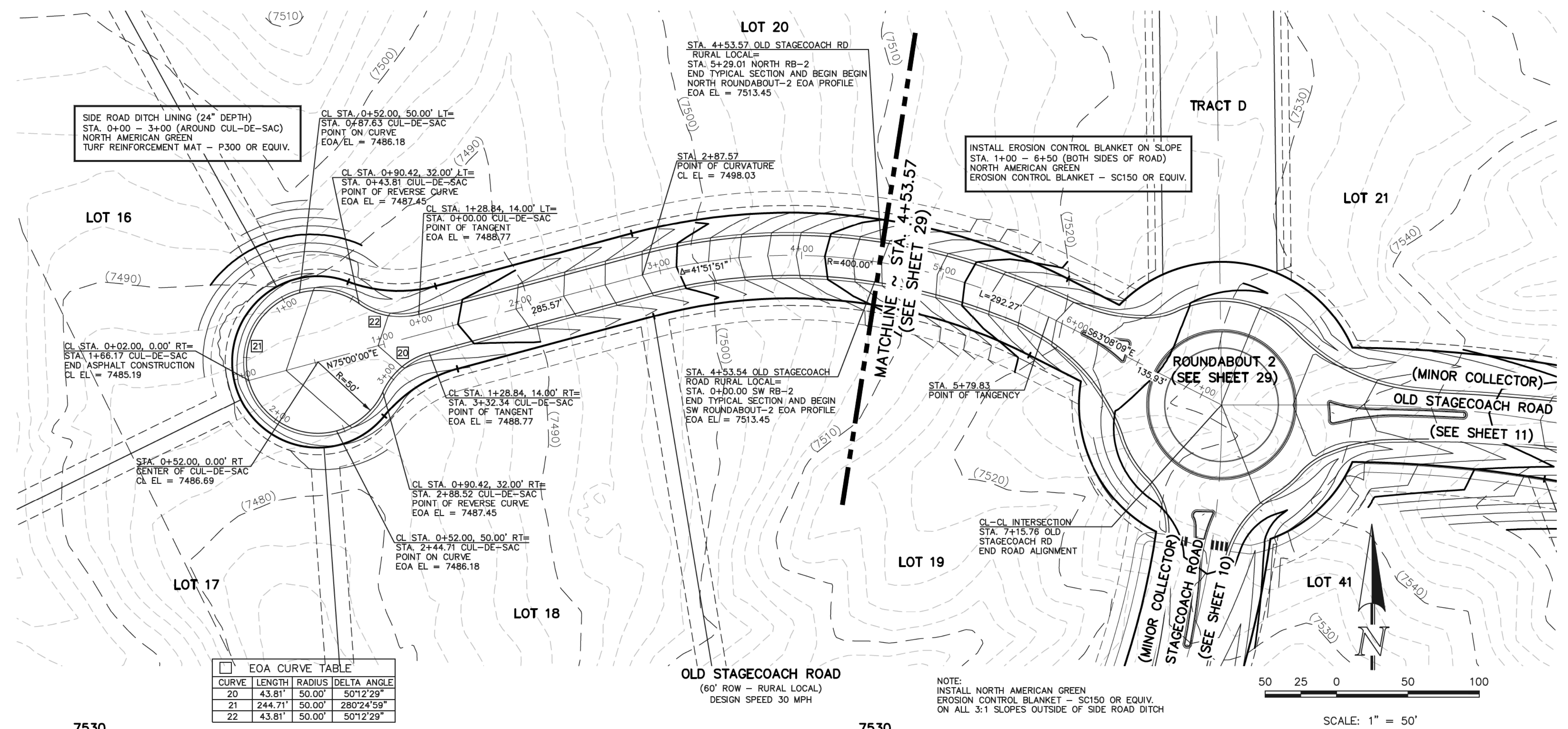
9/17/18

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
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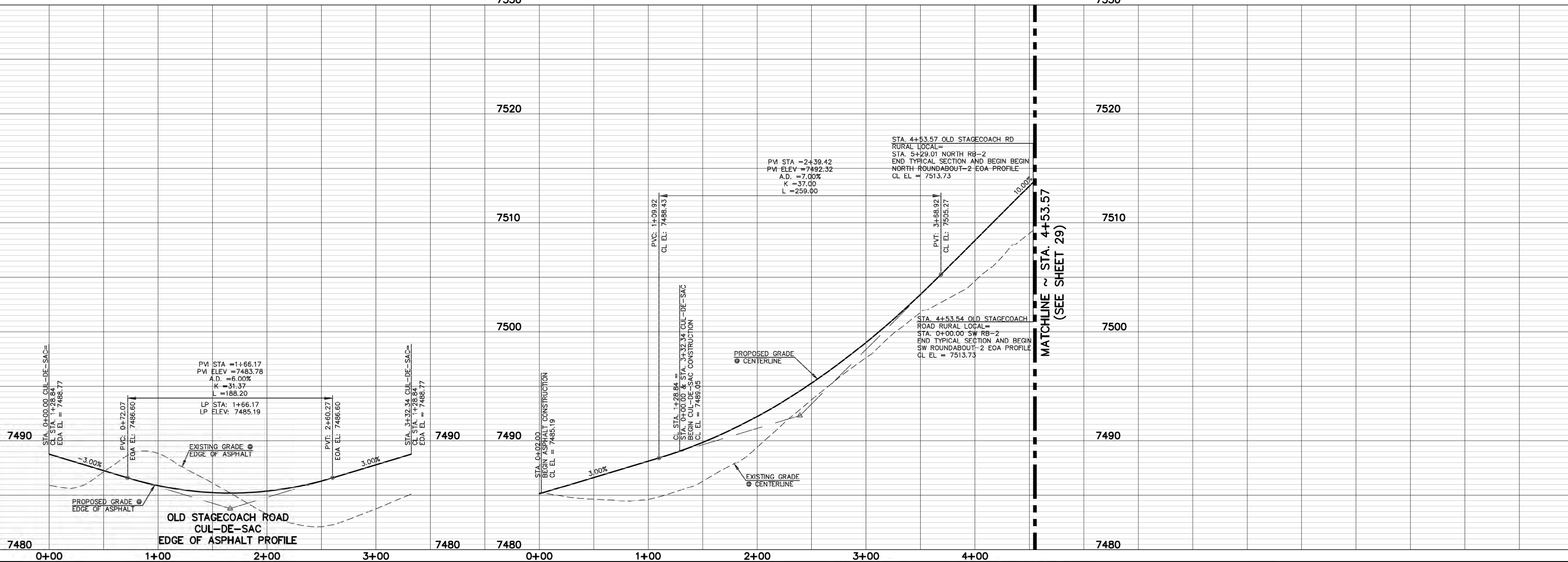
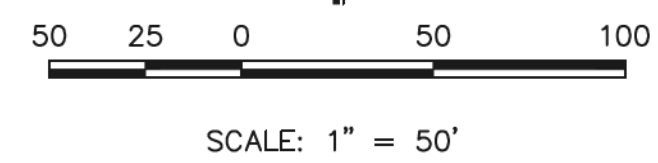
FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN			
OLD STAGECOACH ROAD - MINOR COLLECTOR STA. 91+50.00 - STA. 100+56.66			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 17 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11



EOA CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA ANGLE
20	43.81'	50.00'	50°12'29"
21	244.71'	50.00'	280°24'59"
22	43.81'	50.00'	50°12'29"

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH



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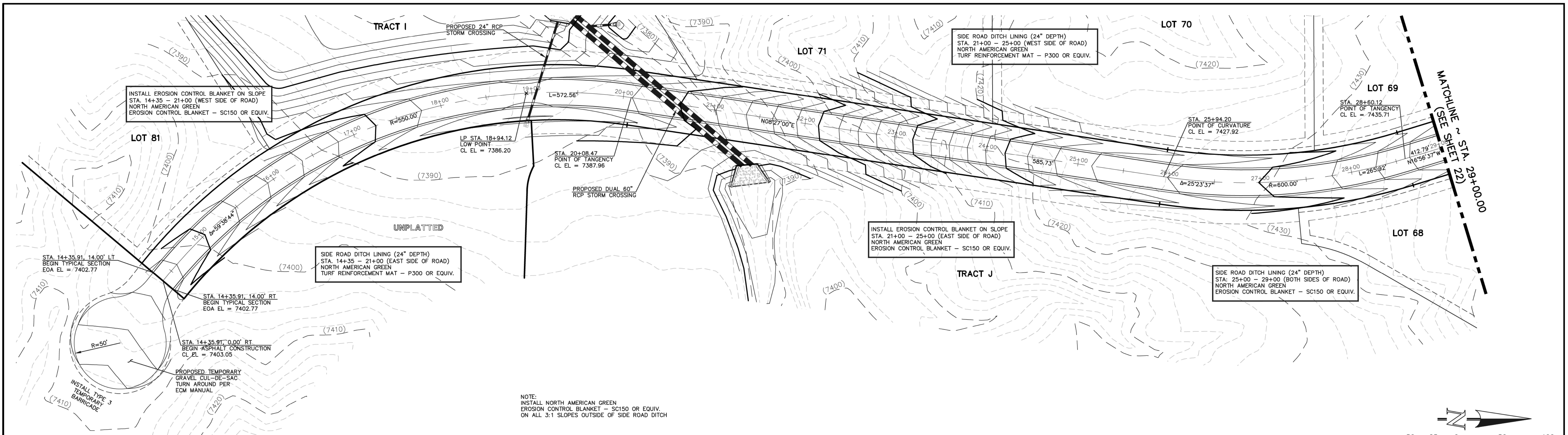
MARC A. WILSON, COLORADO P.E. #37155

DATE: 9/17/18

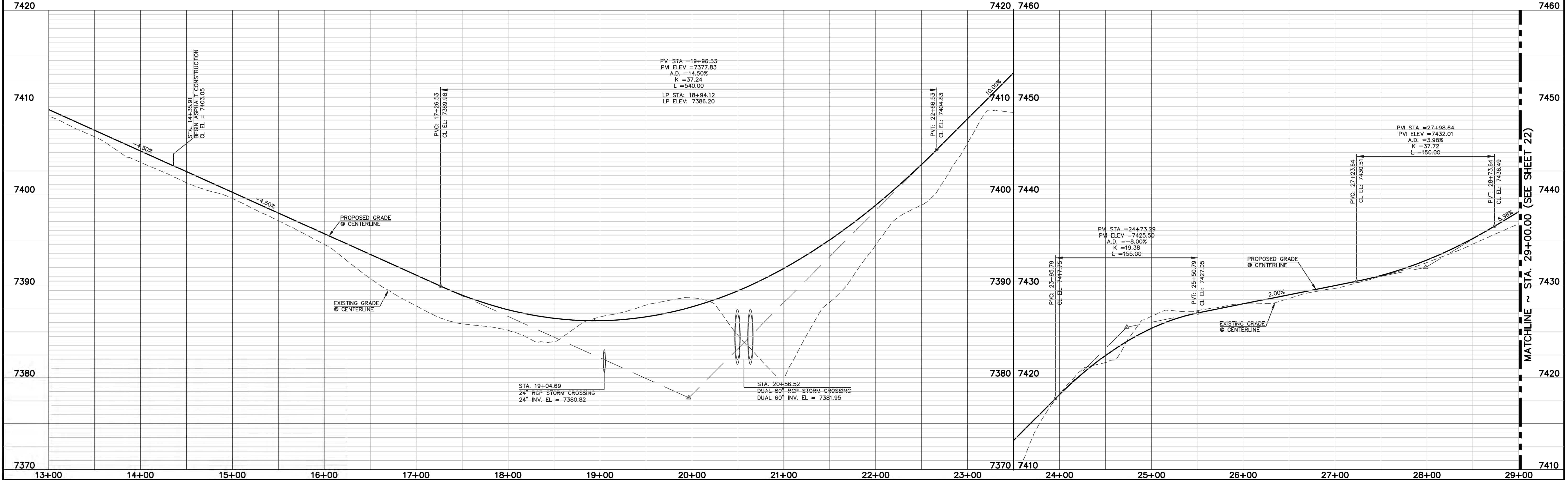
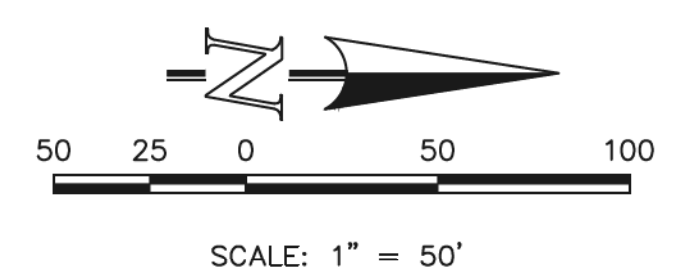
FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 OLD STAGECOACH ROAD - RURAL LOCAL

DESIGNED BY	PRA	SCALE	DATE
			08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 19 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11

CLASSIC
 ENGINEERS & SURVEYORS



QUARTZ CREEK DRIVE
 (60' ROW - RURAL LOCAL)
 DESIGN SPEED 30 MPH



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MARC A. WHITTON, COLORADO P.E. #37155

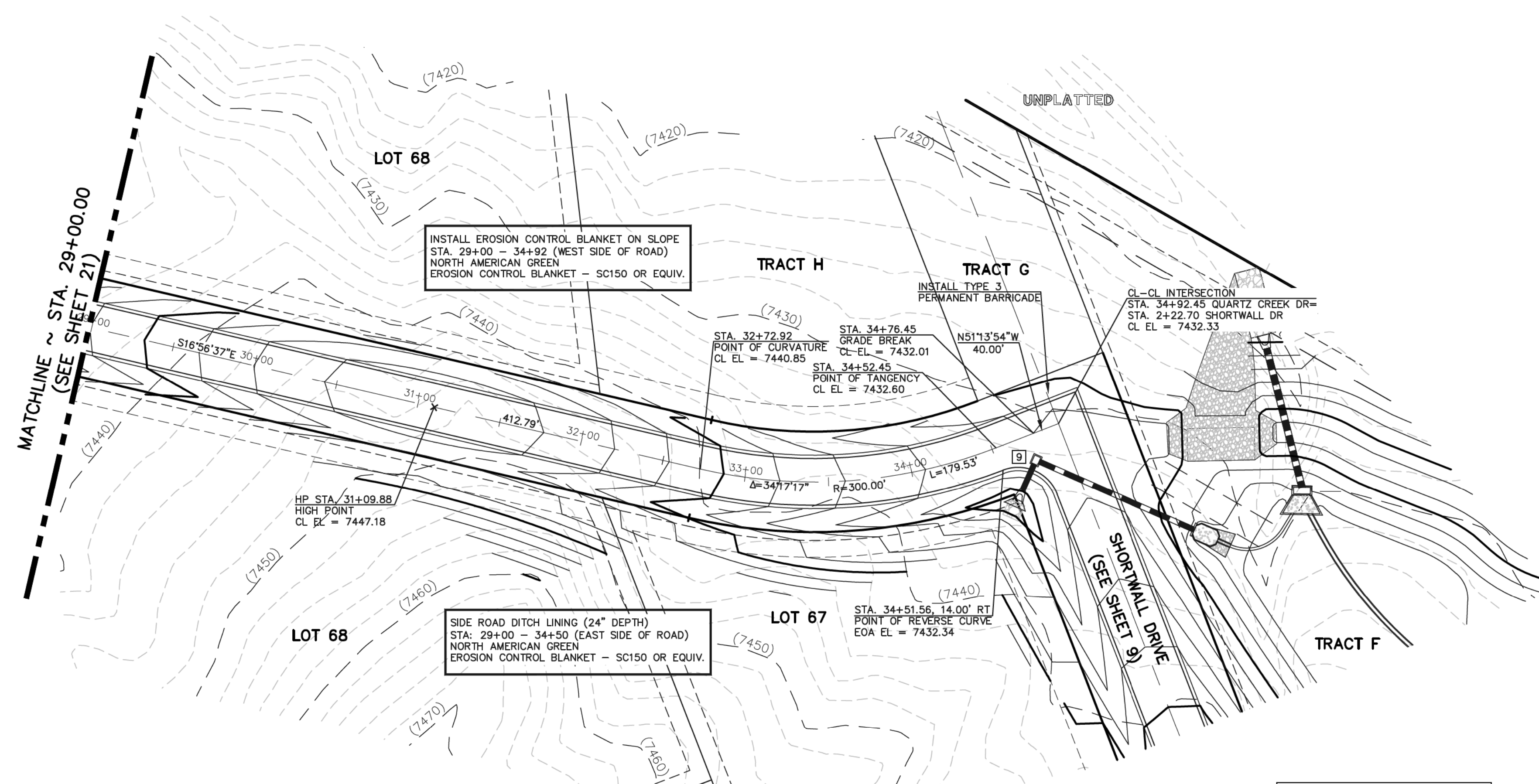
DATE: 9/17/18

CLASSIC CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
QUARTZ CREEK DRIVE
 (STA. 14+35.91 - STA. 29+00.00)

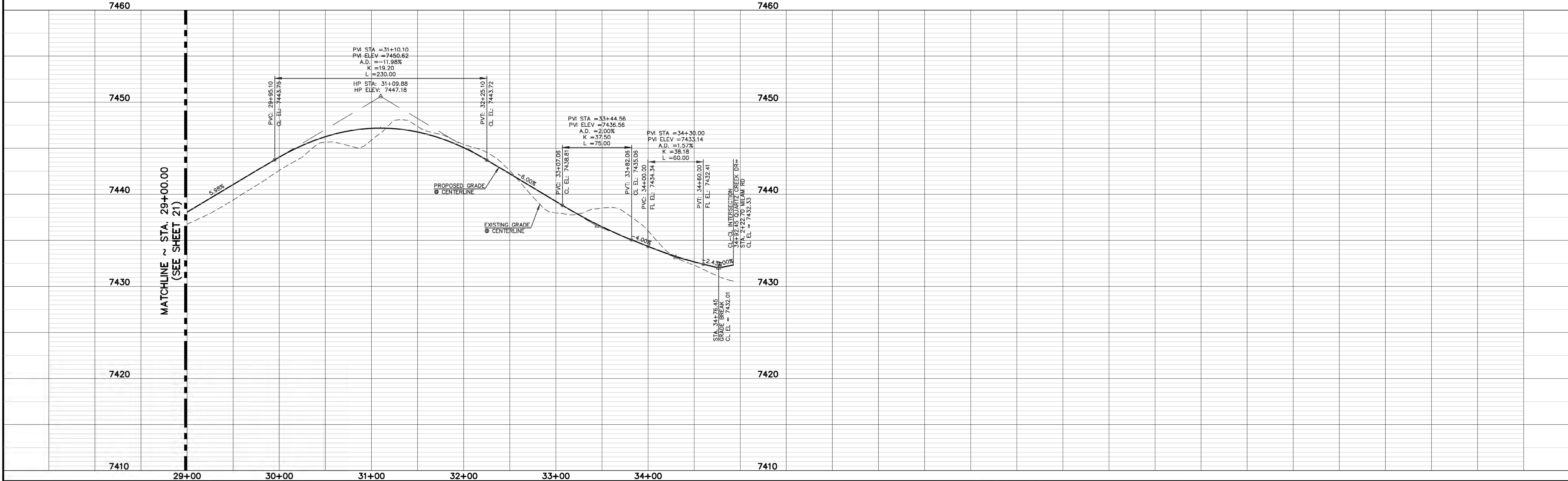
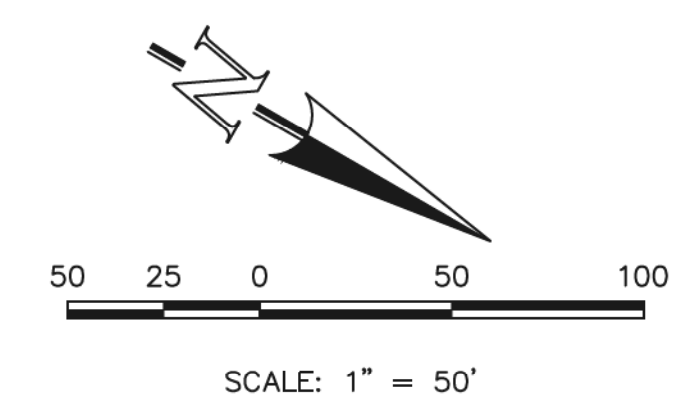
DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	21 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	



NOTE:
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 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

QUARTZ CREEK DRIVE
 (60' ROW - RURAL LOCAL)
 DESIGN SPEED 30 MPH

CURVE	LENGTH	RADIUS	DELTA	ANGLE
9	39.20'	25.00'	89°49'52"	



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48 HOURS BEFORE YOU DIG,
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NO.	REVISION	DATE
1	REVISED INT. DESIGN WITH SHORTWALL	9-13-18

REVIEW:
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MARC A. WILKINSON, P.E. #37155

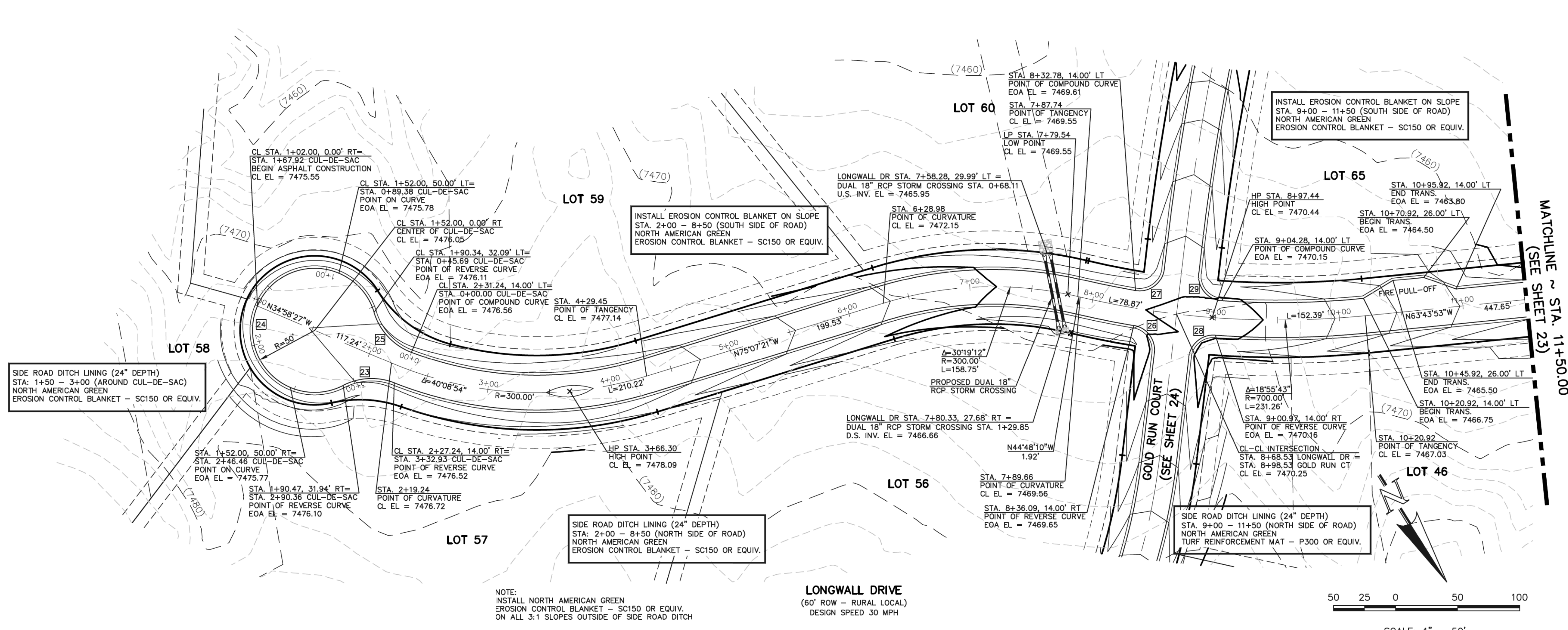
9/17/18

FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 QUARTZ CREEK DRIVE
 (STA. 29+00.00 - STA. 34+92.45)

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	22 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	

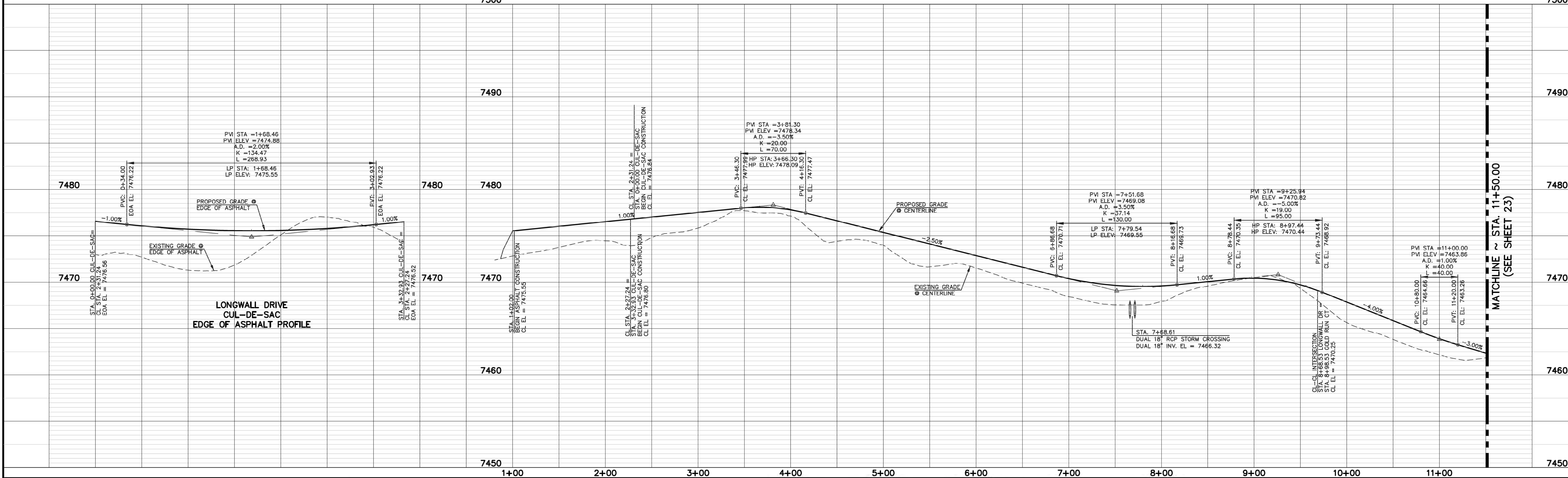
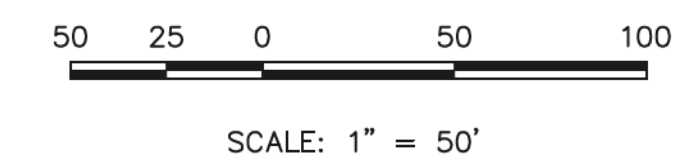
CLASSIC CONSULTING ENGINEERS & SURVEYORS

EOA CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
23	42.57'	50.00'	48°46'35"
24	244.67'	50.00'	280°22'18"
25	45.69'	50.00'	52°21'37"
26	30.49'	20.00'	87°20'42"
27	32.44'	20.00'	92°55'35"
28	30.49'	20.00'	87°20'42"
29	32.44'	20.00'	92°55'35"



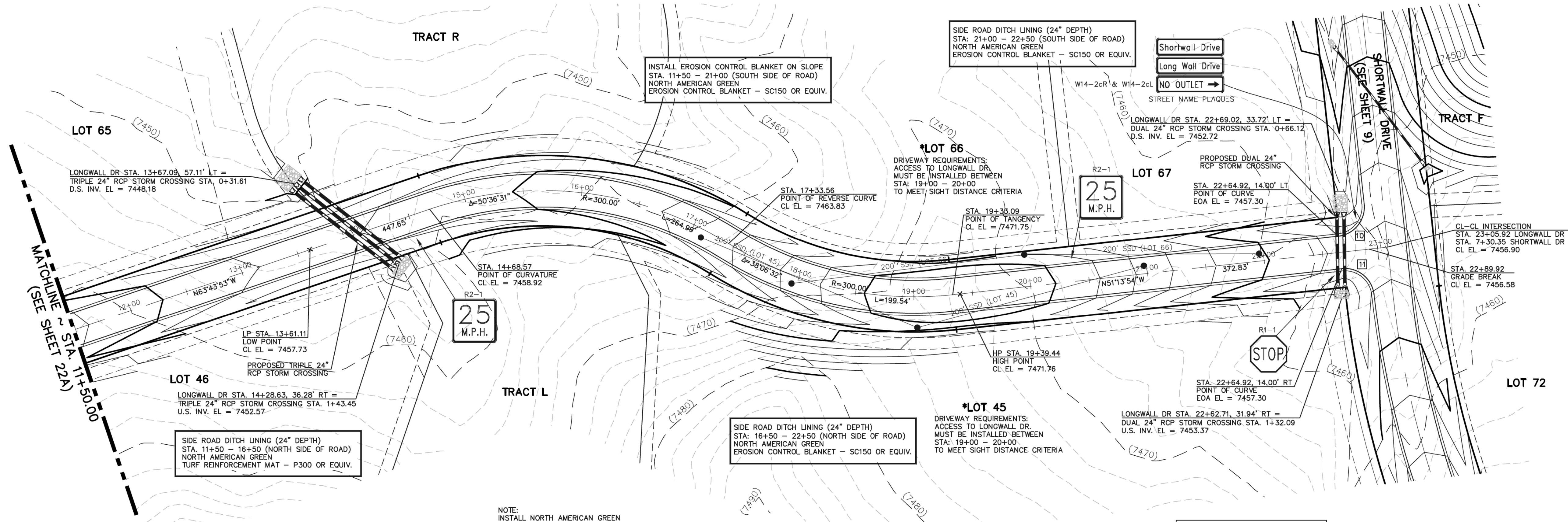
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LONGWALL DRIVE
(60' ROW - RURAL LOCAL)
DESIGN SPEED 30 MPH

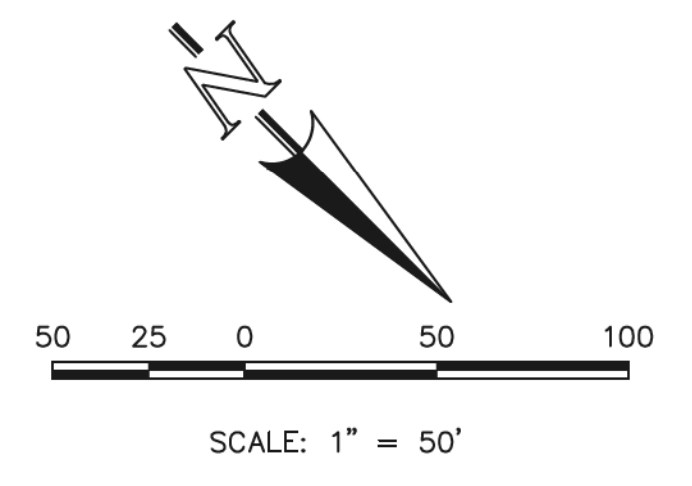


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	1	REVISED PER FIRE DISTRICT REQUEST	5-10-18			
<p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</p> <p>(719) 785-0790 (719) 785-0799 (Fax)</p>						



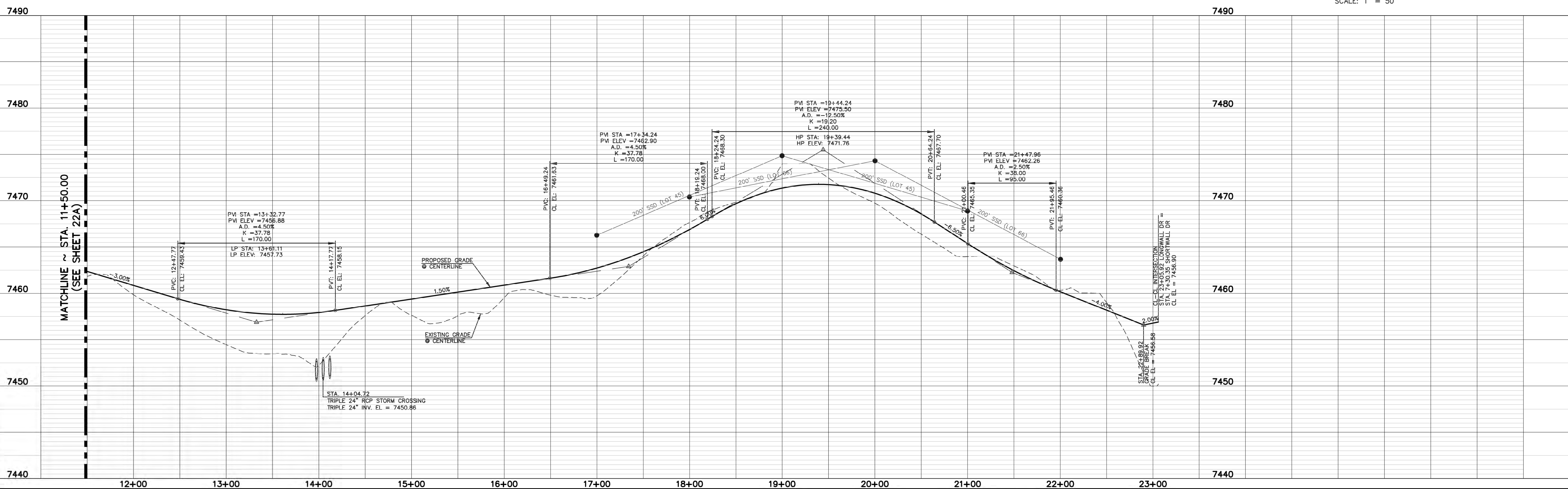
ENTERING SIGHT DISTANCE FOR DRIVEWAYS (LOTS 45 & 66)
 SEE SPECIFIC LOCATION REQUIREMENTS FOR EACH LOT
 REFERENCE EOM TABLES 2-34, 2-35 & 2-36
 REDUCED POSTED SPEED TO 25 MPH
 DESIGN VEHICLE: RESIDENTIAL, NON-SCHOOL BUS ROUTE
 ADJUSTMENT FACTOR OF 0.80 FOR UPGRADE 5%-7.5%
 REQUIRED ENTERING SITE DISTANCE OF 200' FOR EACH LOT



EOA CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
10	39.27'	25.00'	90°00'00"
11	39.23'	25.00'	89°53'50"

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

LONGWALL DRIVE
 (60' ROW - RURAL LOCAL)
 DESIGN SPEED 30 MPH



N:\190811\DRAWINGS\CONSTRUCTION\190811-5-23.dwg, 9/17/2018 4:28:53 PM, 1:1

48 HOURS BEFORE YOU DIG,
 CALL UTILITY LOCATORS
811
 UTILITY NOTIFICATION CENTER OF COLORADO
 IT'S THE LAW
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NO.	REVISION	DATE
1	REVISED PER COUNTY DEVIATION COMMENTS	5-2-18

REVIEW:
 PREPARED UNDER DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
 9/17/18
 DATE
 MARC A. WILSON, COLORADO P.E. #37155

CLASSIC
 CONSULTING ENGINEERS & SURVEYORS
 619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
 LONGWALL DRIVE
 (STA. 11+50.00 - STA. 23+05.92)

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	23 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 0+00 - 3+00 (AROUND CUL-DE-SAC)
 NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 2+00 - 7+00 (BOTH SIDES OF ROAD)
 NORTH AMERICAN GREEN
 TURF REINFORCEMENT MAT - P300 OR EQUIV.

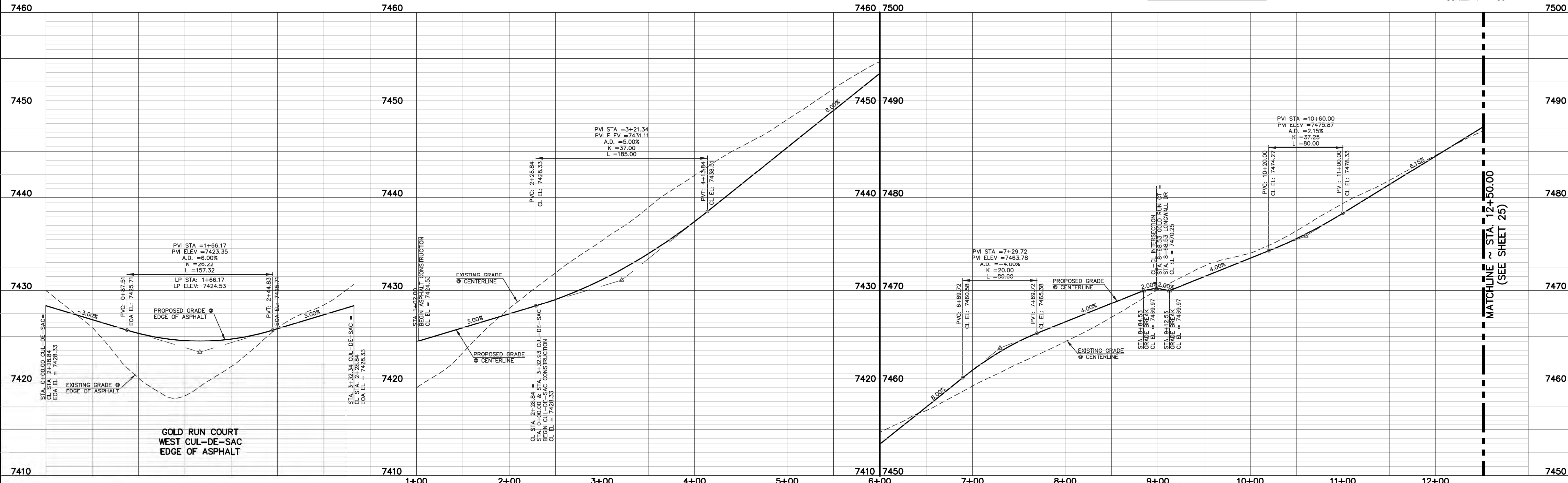
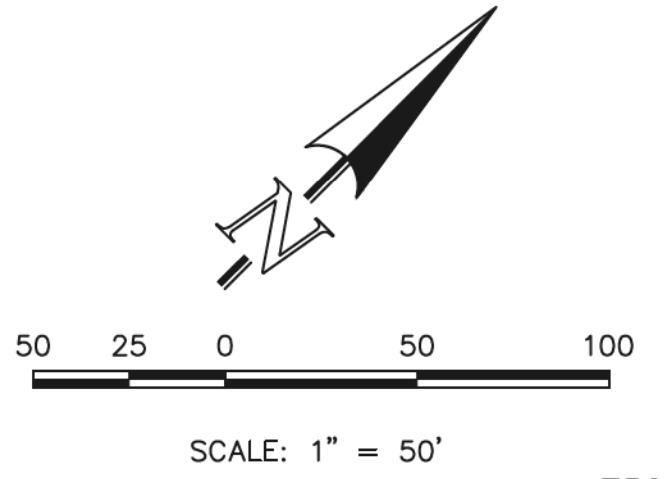
INSTALL EROSION CONTROL BLANKET ON SLOPE
 STA: 7+00 - 8+65 (BOTH SIDES OF ROAD)
 NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 9+30 - 12+50 (BOTH SIDES OF ROAD)
 NORTH AMERICAN GREEN
 TURF REINFORCEMENT MAT - P300 OR EQUIV.

CURVE	LENGTH	RADIUS	DELTA ANGLE
26	30.49'	20.00'	87°20'42"
27	32.44'	20.00'	92°55'35"
28	30.49'	20.00'	87°20'42"
29	32.44'	20.00'	92°55'35"
30	43.81'	50.00'	50°12'29"
31	244.71'	50.00'	280°24'59"
32	43.81'	50.00'	50°12'29"

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

GOLD RUN COURT
 (60' ROW - RURAL LOCAL)
 DESIGN SPEED 30 MPH



**GOLD RUN COURT
 WEST CUL-DE-SAC
 EDGE OF ASPHALT**

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NO.	REVISION	DATE
1	REVISED PER DEVIATION COMMENTS	5-9-18

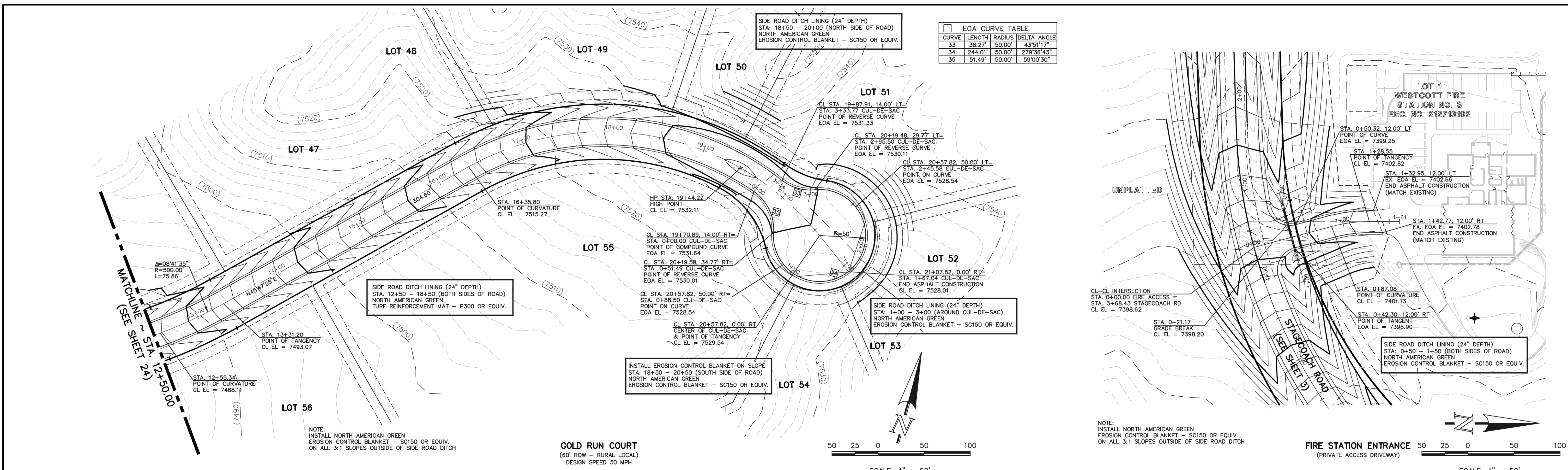
REVIEW:
 PREPARED UNDER DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
 MARC A. WILSON, COLORADO P.E. #37155
 DATE: 9/17/18

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
GOLD RUN COURT
 (STA. 1+02.00-STA. 12+50.00)

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	24 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 18+50 - 20+00 (NORTH SIDE OF ROAD)
 NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.

CURVE	LENGTH	RADIUS	DELTA ANGLE
33	38.27'	50.00'	43°51'17"
34	244.01'	50.00'	279°36'43"
35	51.49'	50.00'	59°00'30"



LOT 1
 WESTCOTT FIRE
 STATION NO. 3
 REC. NO. 212713192

STA: 0+50.32, 12.00' LT
 POINT OF CURVE
 EOA EL = 7399.25

STA: 1+28.55
 POINT OF TANGENCY
 CL EL = 7402.82

STA: 1+32.95, 12.00' LT
 EX. EOA EL = 7402.66
 END ASPHALT CONSTRUCTION
 (MATCH EXISTING)

STA: 1+42.77, 12.00' RT
 EX. EOA EL = 7402.78
 END ASPHALT CONSTRUCTION
 (MATCH EXISTING)

CL-CL INTERSECTION
 STA: 0+00.00 FIRE ACCESS
 STA: 3+68.43 STAGECOACH RD
 CL EL = 7398.62

STA: 0+21.17
 GRADE BREAK
 CL EL = 7398.20

STA: 0+97.08
 POINT OF CURVATURE
 CL EL = 7401.13

STA: 0+42.30, 12.00' RT
 POINT OF TANGENCY
 EOA EL = 7398.90

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 0+50 - 1+50 (BOTH SIDES OF ROAD)
 NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.

SIDE ROAD DITCH LINING (24" DEPTH)
 STA: 12+50 - 18+50 (BOTH SIDES OF ROAD)
 NORTH AMERICAN GREEN
 TURF REINFORCEMENT MAT - P300 OR EQUIV.

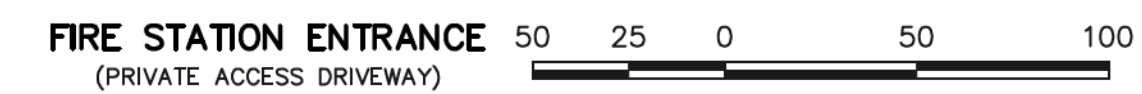
INSTALL EROSION CONTROL BLANKET ON SLOPE
 STA: 18+50 - 20+50 (SOUTH SIDE OF ROAD)
 NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.

NOTE:
 INSTALL NORTH AMERICAN GREEN
 EROSION CONTROL BLANKET - SC150 OR EQUIV.
 ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

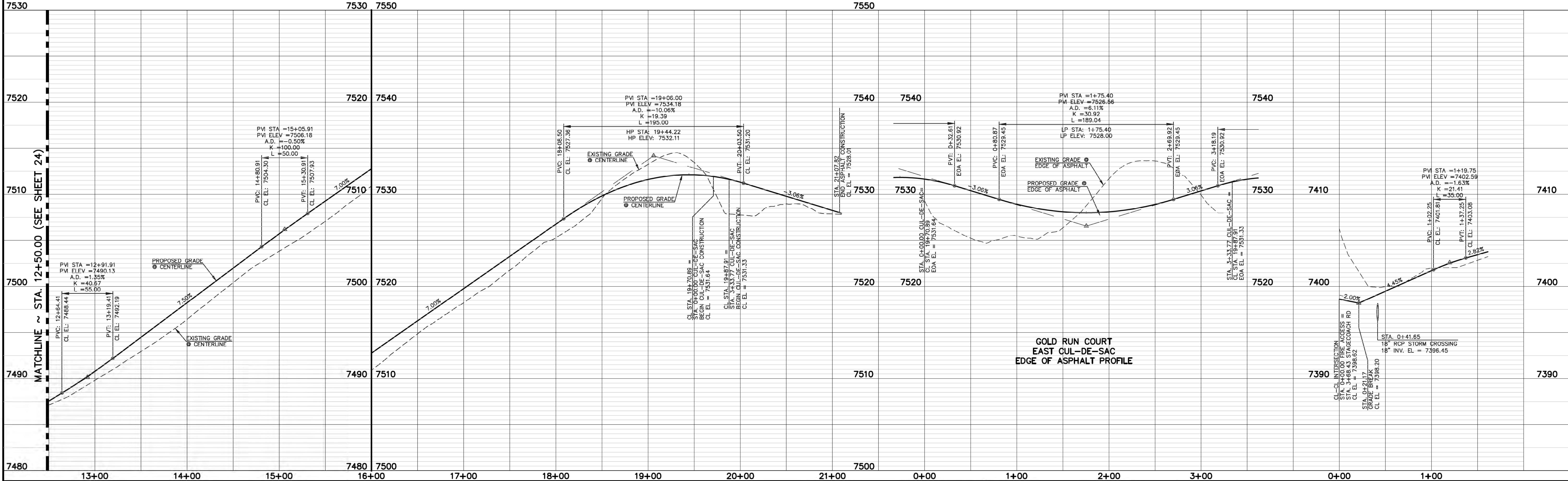
GOLD RUN COURT
 (60' ROW - RURAL LOCAL)
 DESIGN SPEED 30 MPH



SCALE: 1" = 50'



SCALE: 1" = 50'



GOLD RUN COURT
 EAST CUL-DE-SAC
 EDGE OF ASPHALT PROFILE

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NO.	REVISION	DATE

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

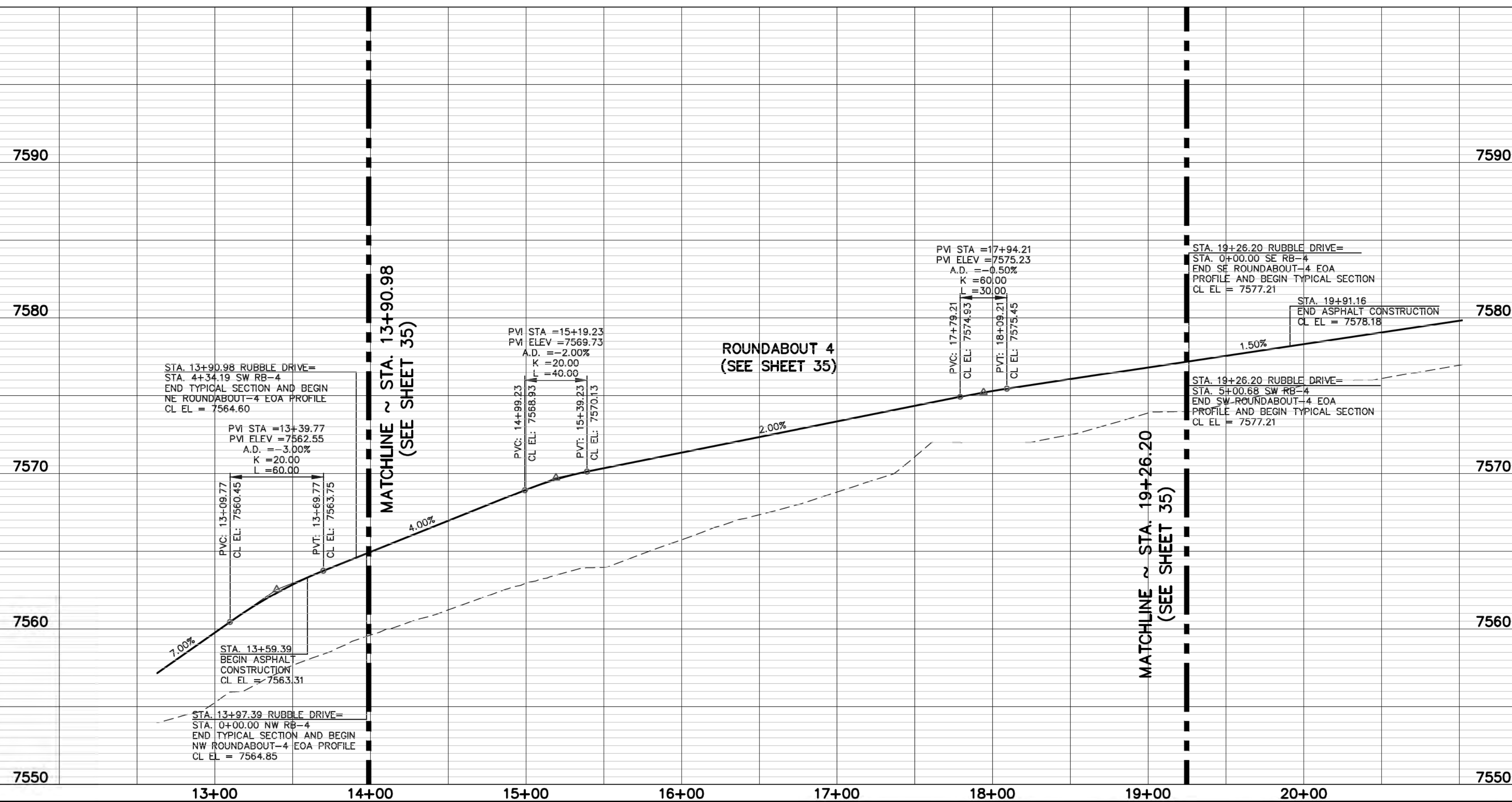
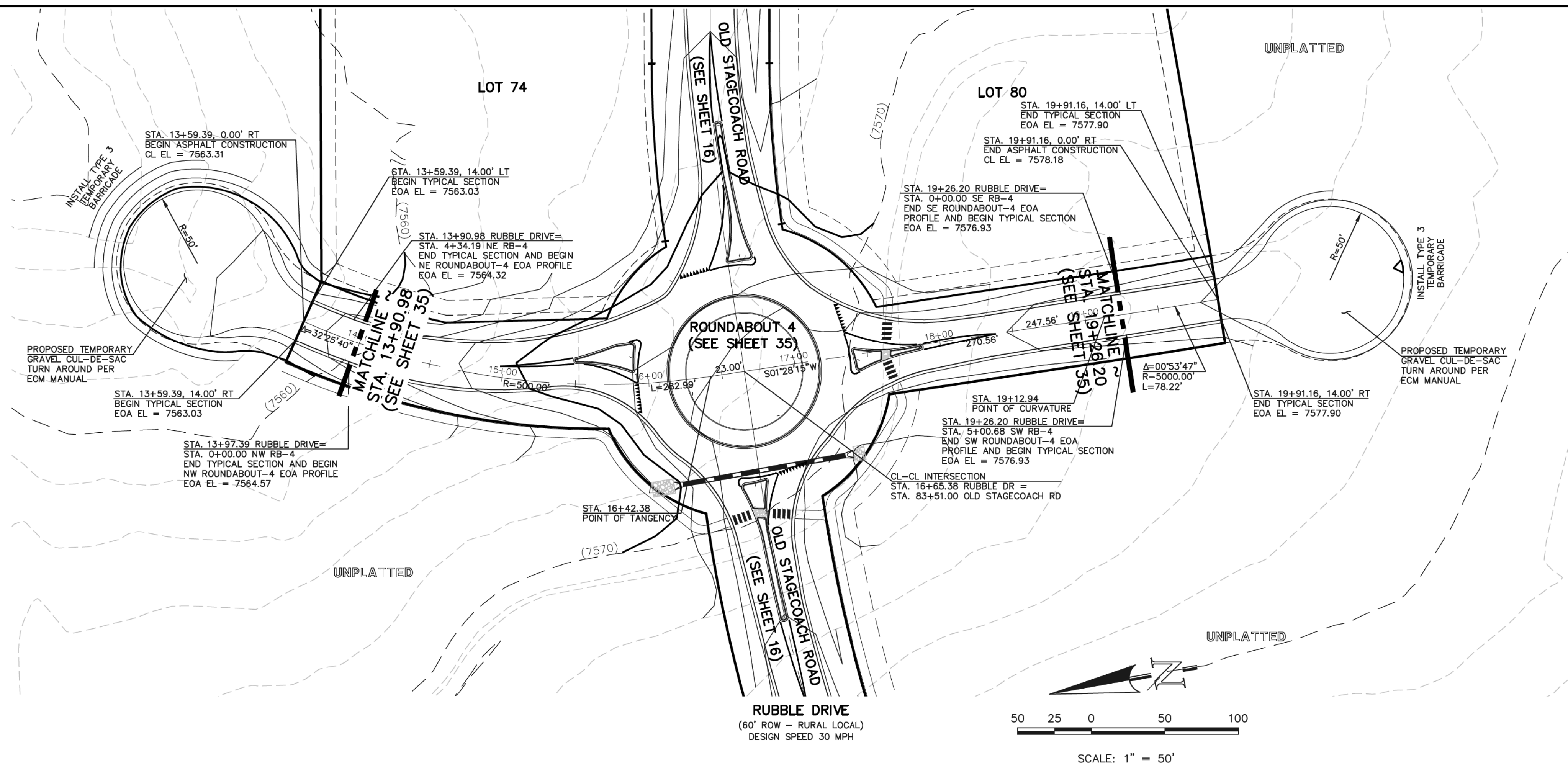
MARC A. WHORTON, COLORADO P.E. #37155

DATE: 9/17/18



FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
GOLD RUN COURT
 (STA. 12+50.00-STATION 21+07.82)

DESIGNED BY: PRA SCALE: DATE: 08-11-17
 DRAWN BY: PRA (H) 1" = 50' SHEET 25 OF 45
 CHECKED BY: (V) 1" = 50' JOB NO.: 1096.11



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NO. REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WILGOTON, COLORADO P.E. #37155

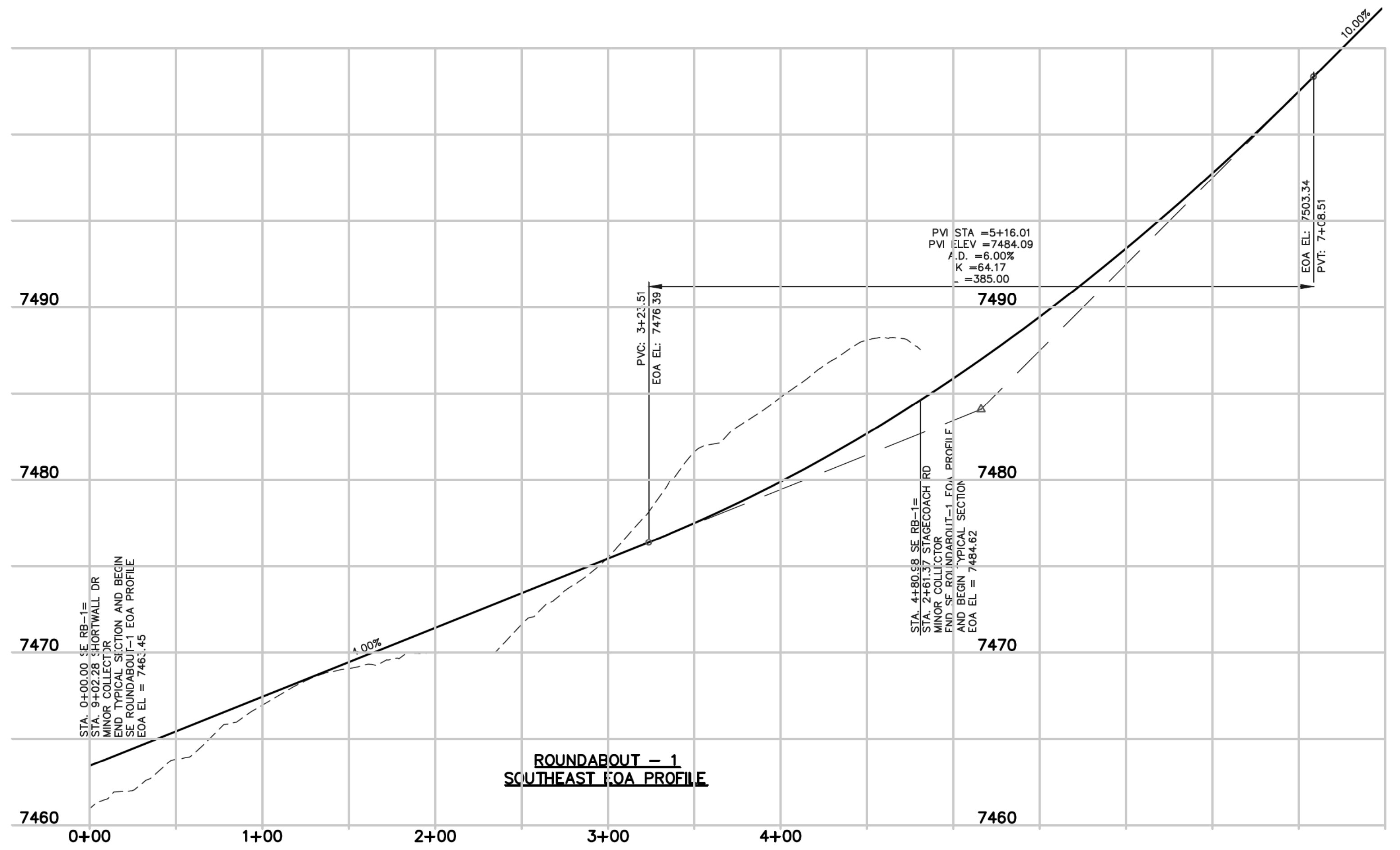
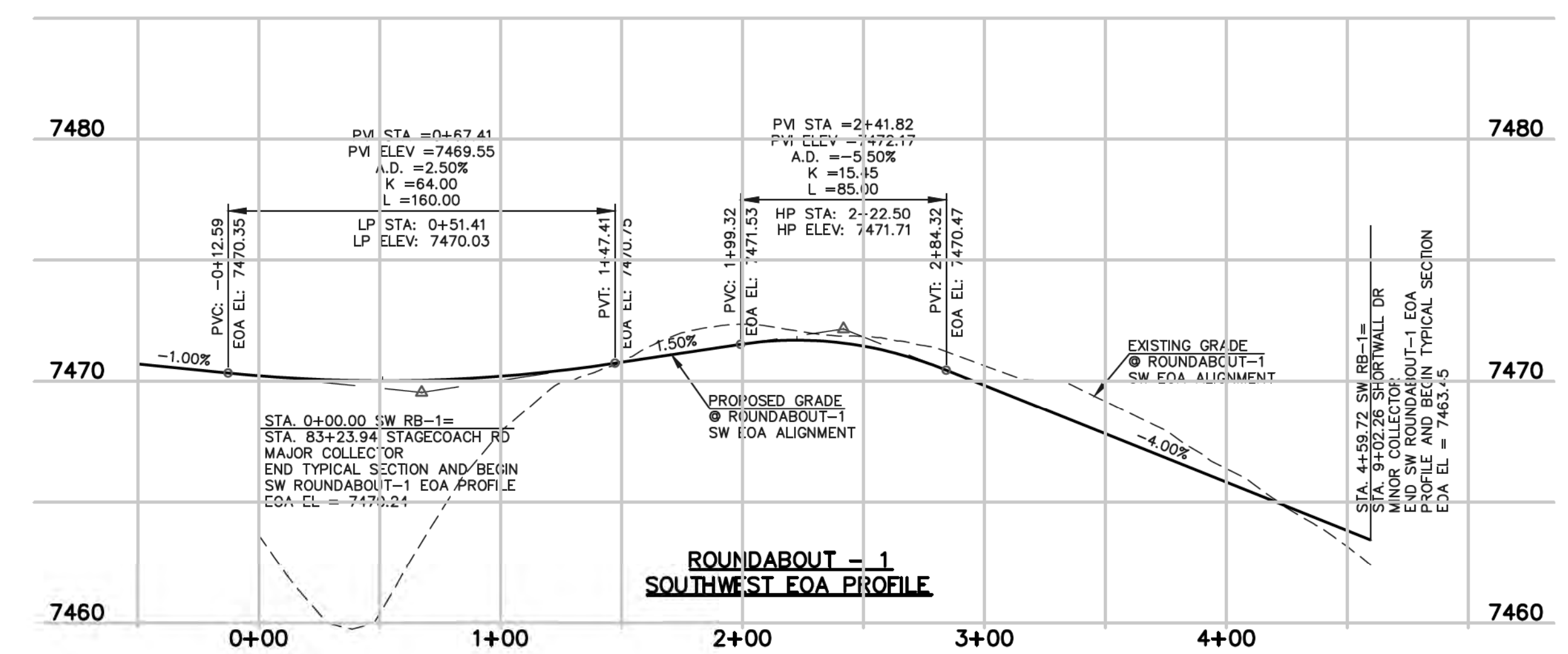
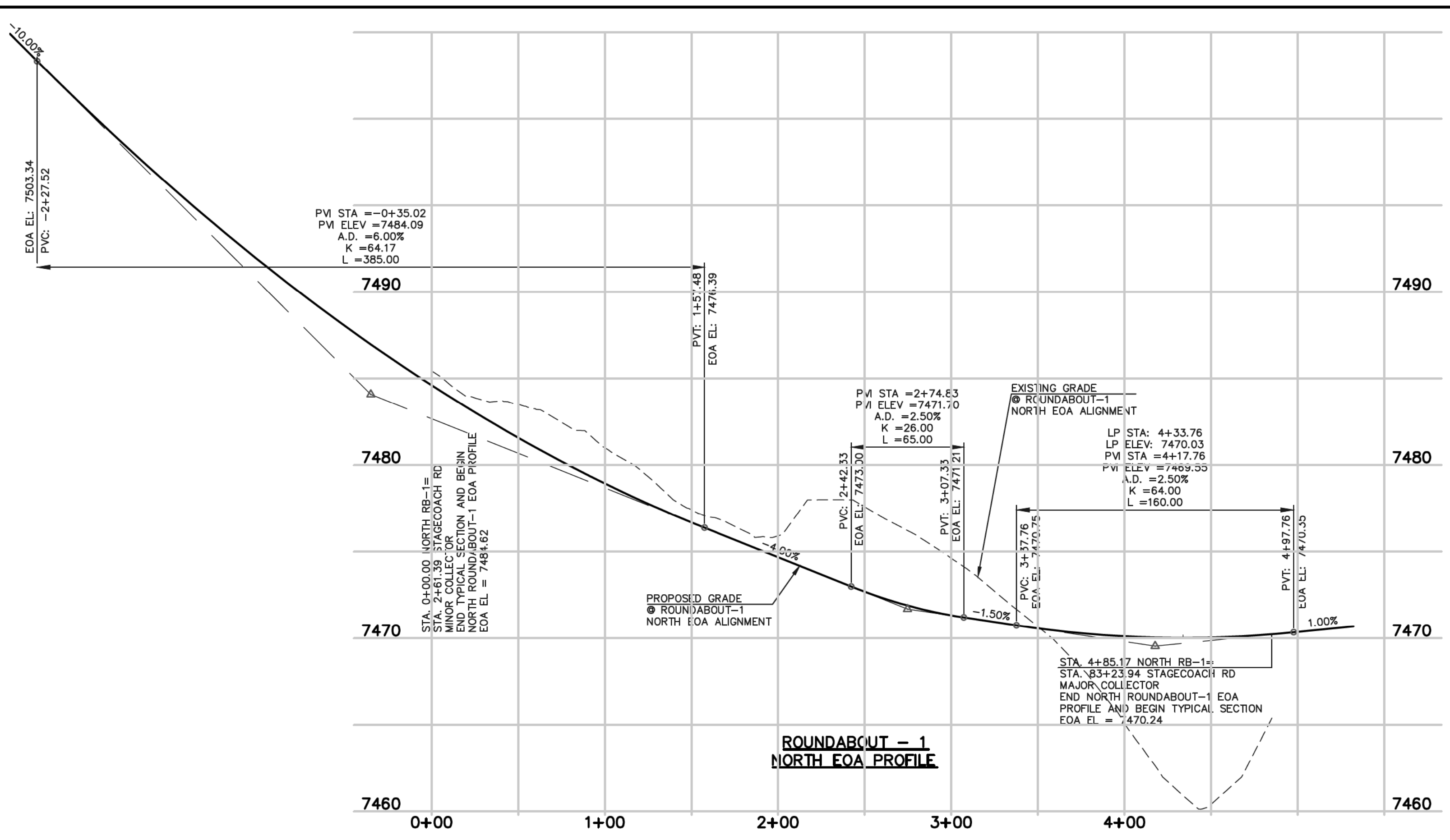
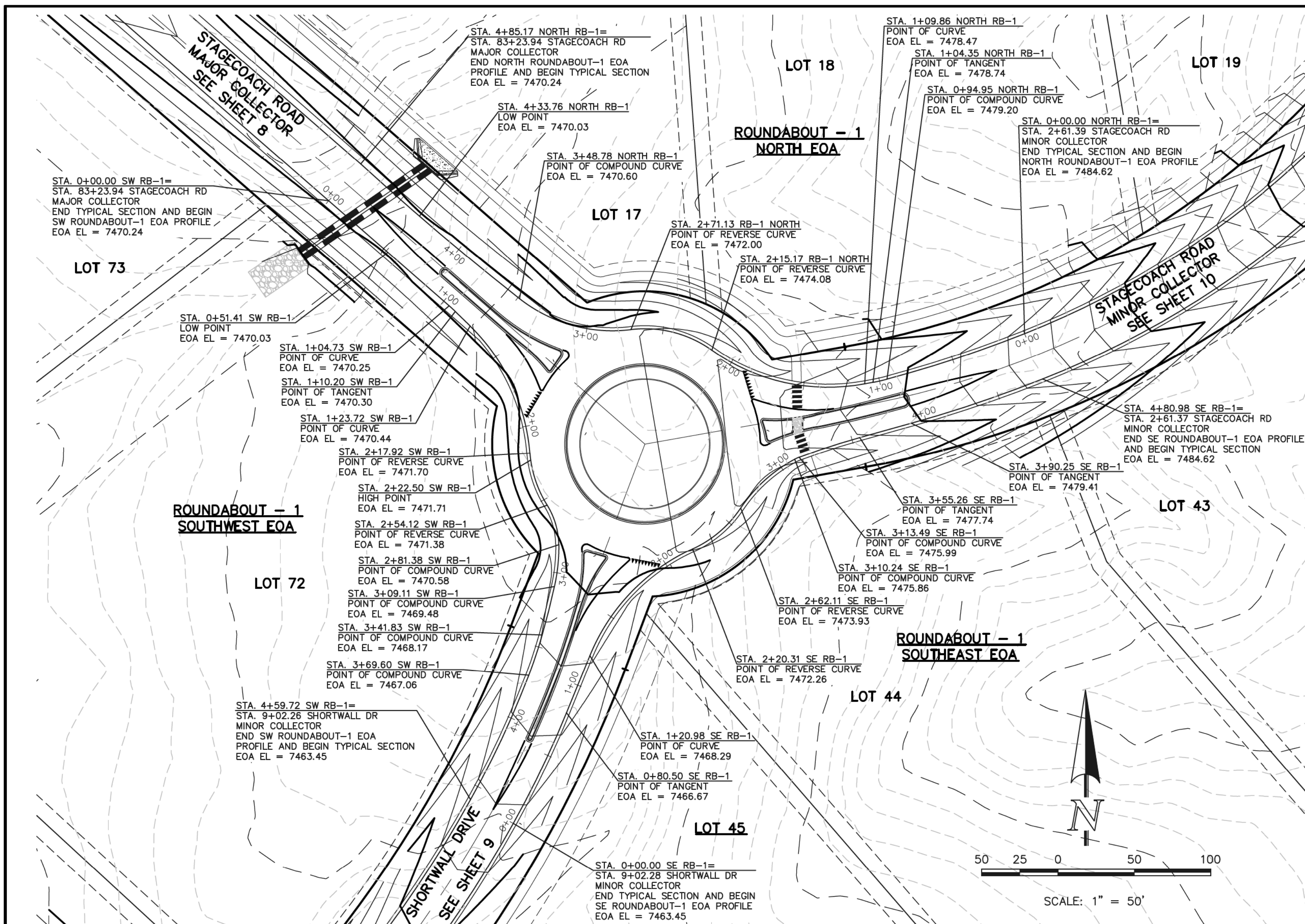
9/17/18

CLASSIC CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1			
STREET IMPROVEMENT PLAN			
RUBBLE DRIVE - RURAL LOCAL			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 25A OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11



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48 HOURS BEFORE YOU DIG,
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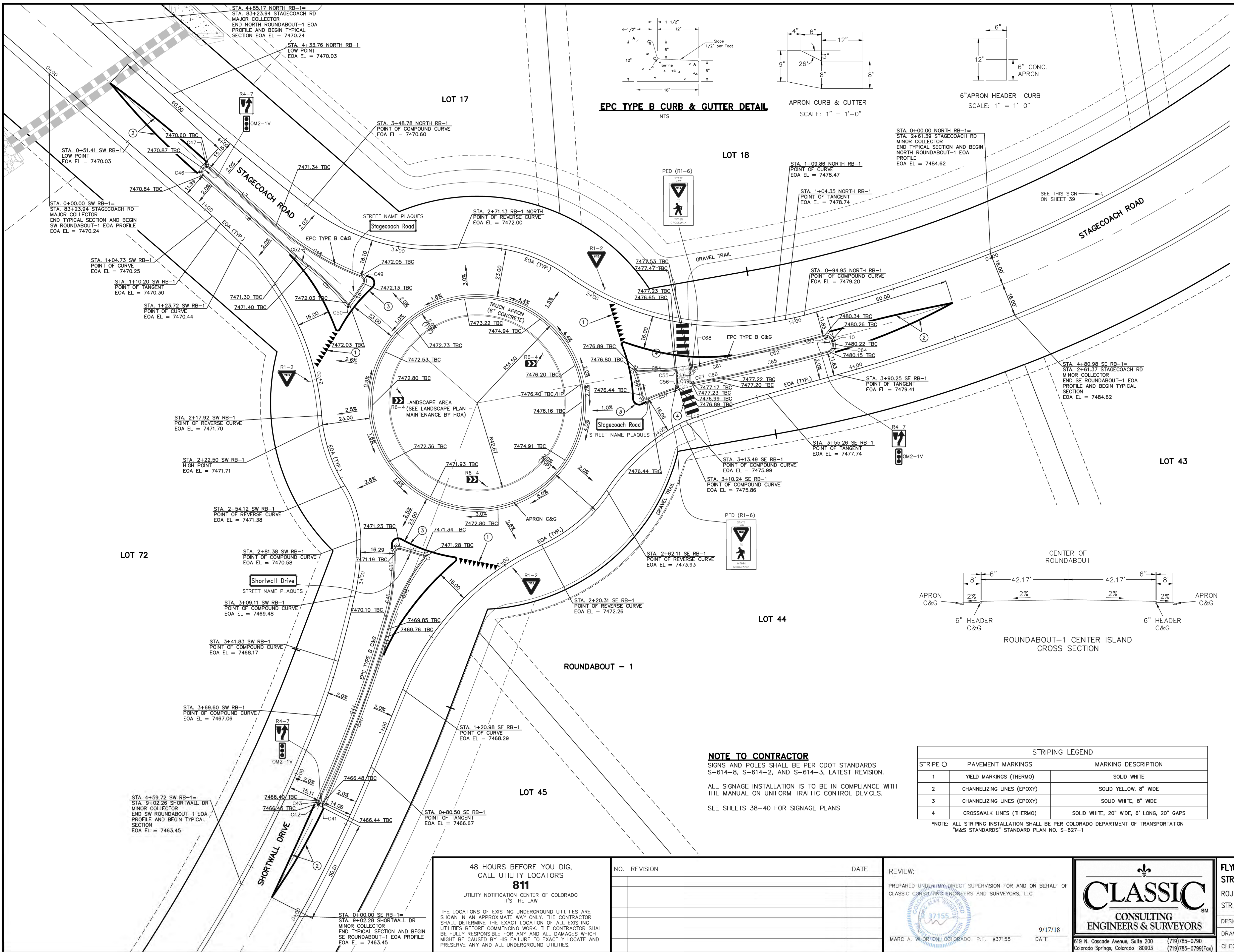
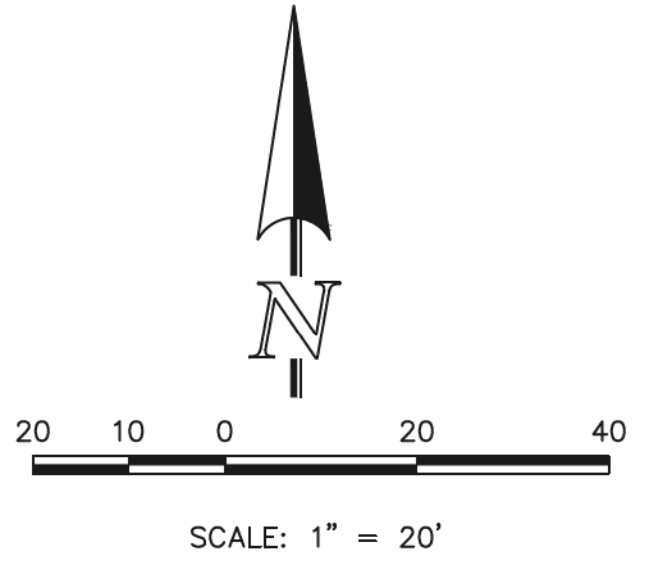
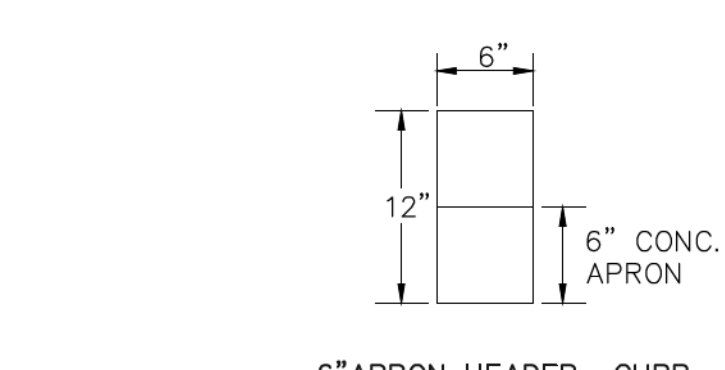
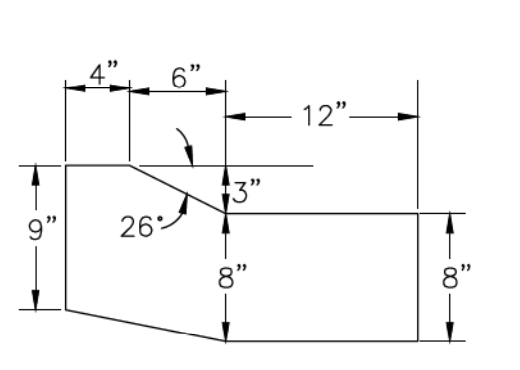
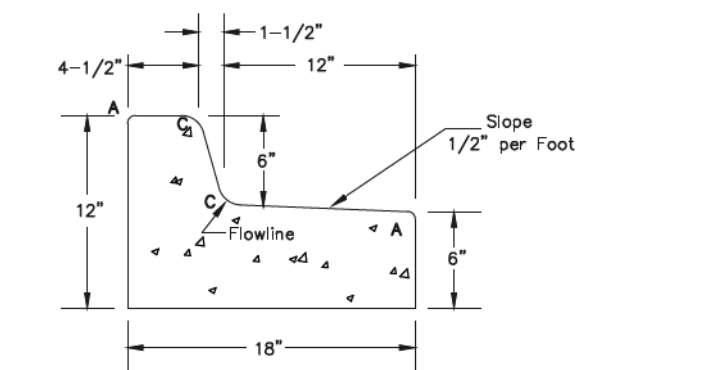
9/17/18



FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
ROUNDABOUT 1
PLAN AND PROFILE PLAN

DESIGNED BY: PRA SCALE: DATE: 08-11-17
DRAWN BY: PRA (H) 1" = 50' SHEET 26 OF 45
CHECKED BY: (V) 1" = 5' JOB NO.: 1096.11





Curb Curve Table

Curve #	Length	Radius	Delta
C35	12.43	128.85	5.52
C36	3.71	2.00	106.37
C37	0.98	0.50	111.81
C38	39.13	101.50	22.09
C39	85.37	651.64	7.51
C40	85.37	651.64	7.51
C41	0.99	0.70	80.90
C42	0.49	6.40	4.39
C43	1.16	0.70	94.71
C44	94.20	649.80	8.31
C45	19.36	101.50	10.93
C46	3.14	2.00	90.00
C47	3.14	2.00	90.00
C48	48.23	134.50	20.54
C49	3.63	2.00	103.87
C50	0.94	0.50	107.41
C51	26.34	100.57	15.01
C52	7.42	99.50	4.27
C53	0.99	0.50	113.70
C54	18.13	101.83	10.20

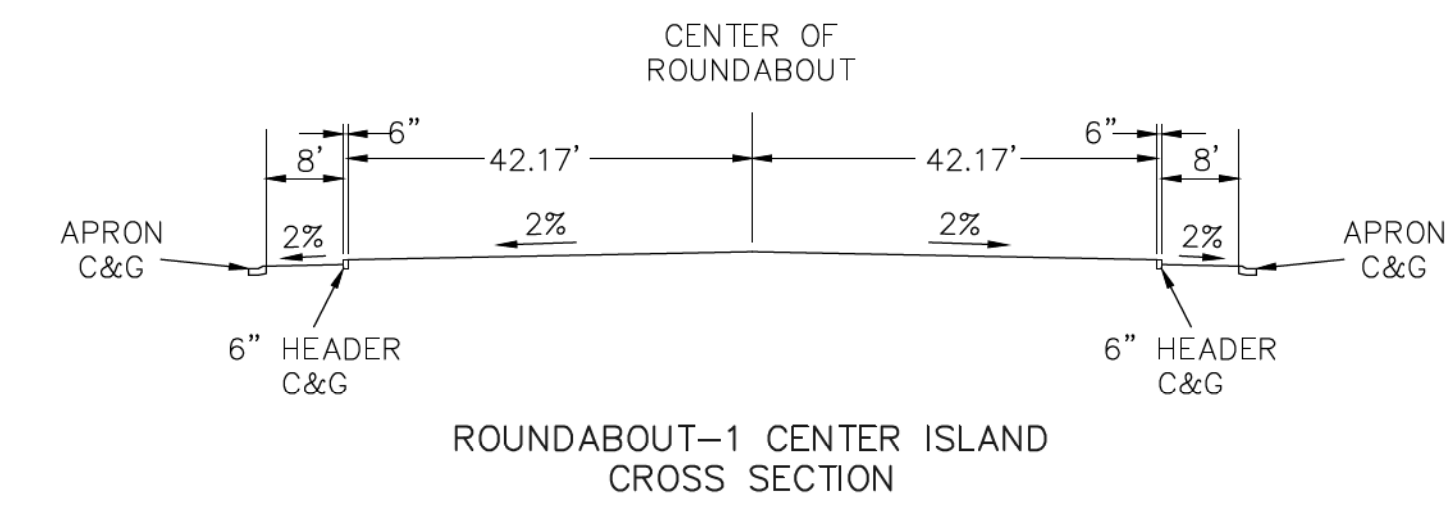
Curb Curve Table

Curve #	Length	Radius	Delta
C55	0.82	0.50	94.51
C56	0.65	0.50	74.07
C57	14.56	133.41	6.25
C58	3.15	1.75	103.10
C59	11.37	73.01	8.92
C60	0.71	0.50	80.98
C61	7.68	149.50	2.94
C62	49.97	838.61	3.41
C63	4.71	3.00	89.98
C64	4.71	3.00	90.02
C65	54.66	846.03	3.70
C66	4.32	149.50	1.65
C67	8.45	133.41	3.63
C68	8.22	101.83	4.63
C69	0.89	0.50	102.40

Curb Line Table

Line #	Length	Direction
L6	11.65	S34° 25' 32.98"W
L7	42.49	S48° 53' 51.99"E
L8	59.50	N48° 53' 51.99"W
L9	6.05	S1° 21' 41.36"E
L10	1.35	N15° 30' 17.12"W
L11	11.39	S73° 59' 47.40"E
L12	7.12	S1° 21' 41.36"E

CURB LABEL NOTE:
LINE AND CURVE TABLES REFER TO TOP BACK OF CURB OF CURB/GUTTER.



NOTE TO CONTRACTOR
SIGNS AND POLES SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.
ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
SEE SHEETS 38-40 FOR SIGNAGE PLANS

STRIPING LEGEND

STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	YIELD MARKINGS (THERMO)	SOLID WHITE
2	CHANNELIZING LINES (EPOXY)	SOLID YELLOW, 8" WIDE
3	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 4" WIDE
4	CROSSWALK LINES (THERMO)	SOLID WHITE, 20" WIDE, 6" LONG, 20" GAPS

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1

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NO.	REVISION	DATE

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

9/17/18

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

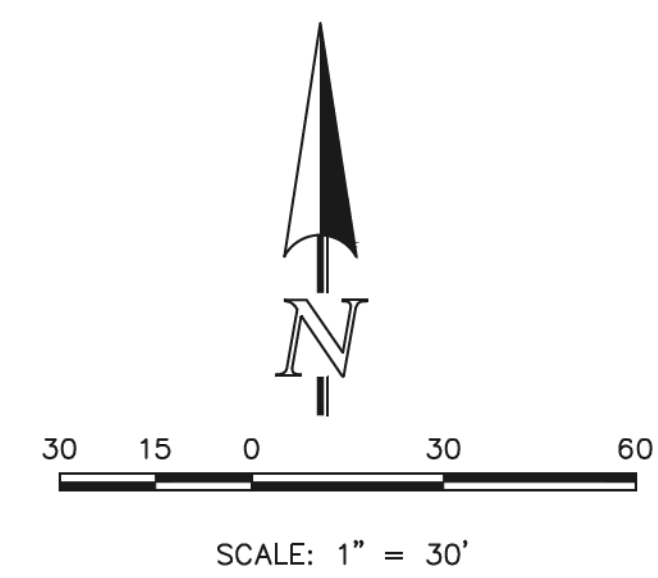
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
ROUNDABOUT 1
STRIPING AND DETAILED GRADING PLAN

DESIGNED BY: PRA SCALE: DATE: 08-11-17
DRAWN BY: PRA (H) 1" = 20' SHEET 27 OF 45
CHECKED BY: (V) 1" = N/A JOB NO. 1096.11

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NORTH LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	174.38' / 24.64 MPH	0.23	-0.02
R2	92.99' / 19.30 MPH	0.23	-0.02
R3	234.76' / 27.68 MPH	0.23	-0.02
R4	51.04' / 15.29 MPH	0.23	-0.02
R5	N/A		

SOUTHWEST LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	N/A		
R2	N/A		
R3	N/A		
R4	57.50' / 16.01 MPH	0.23	-0.02
R5	110.35' / 20.62 MPH	0.23	-0.02

SOUTHEAST LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	N/A		
R2	N/A		
R3	N/A		
R4	57.43' / 16.00 MPH	0.23	-0.02
R5	143.33' / 22.83 MPH	0.23	-0.02


NOTE:
 ROUNDABOUT-1 WAS DESIGNED USING THE
 CIVIL 3D VEHICLE TRACKING CONTROL PROGRAM.
 USING FHWA 2010: RURAL SINGLE LANE
 ROUNDABOUT CRITERIA.

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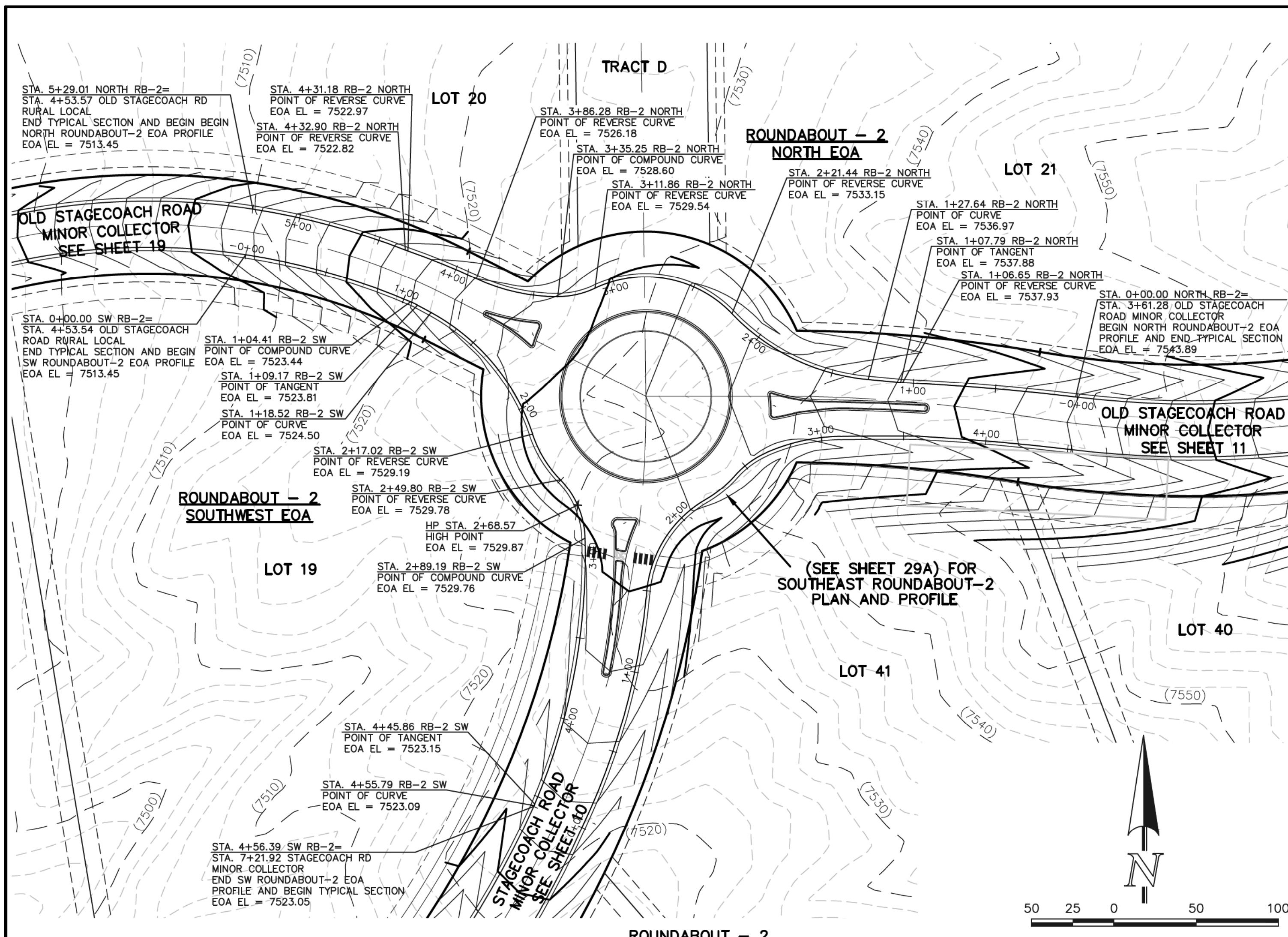
MARC A. WHORTON, COLORADO P.E. #37155
 DATE 9/17/18



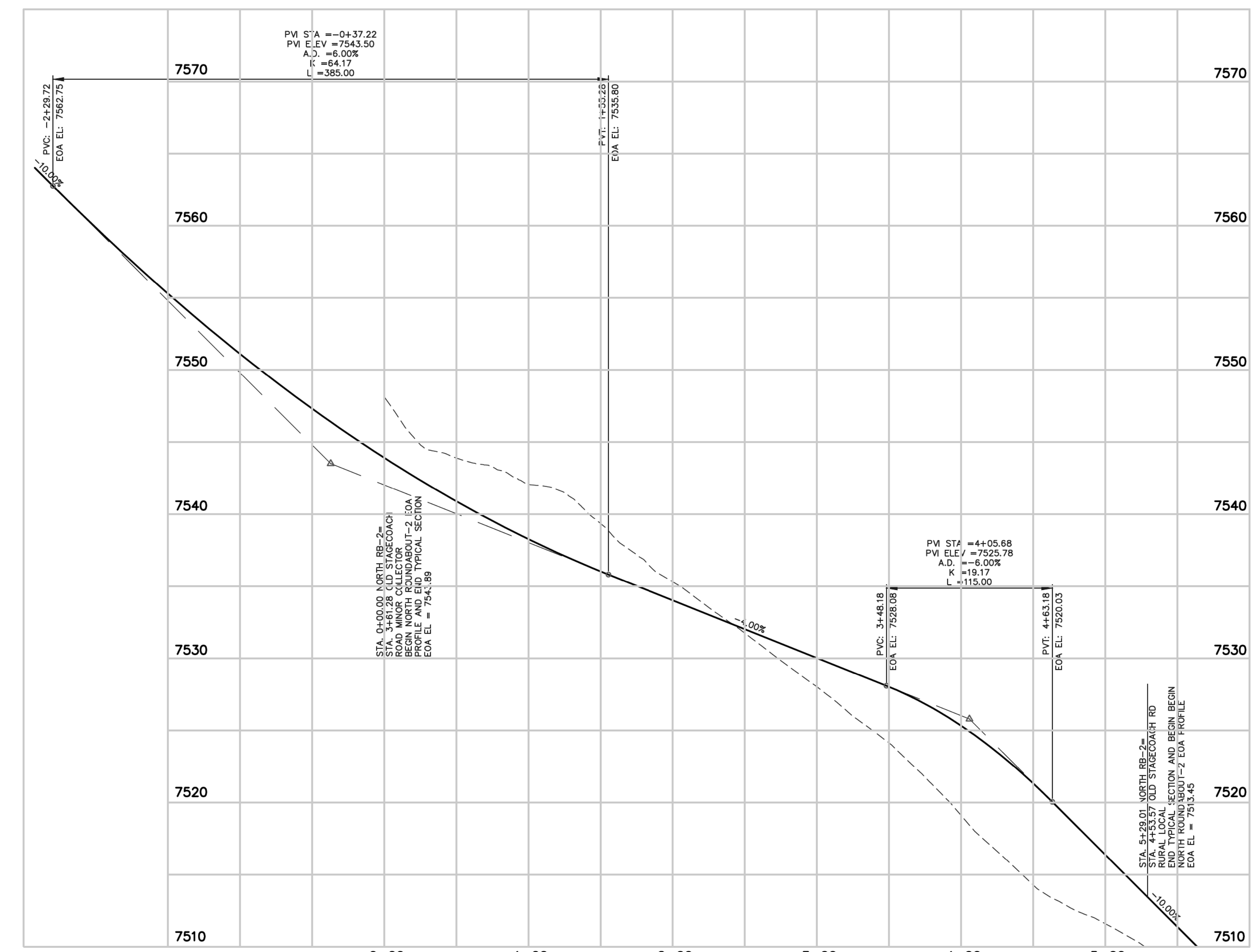
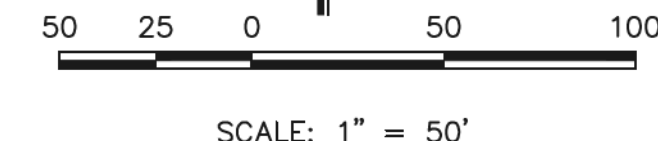
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1			
STREET IMPROVEMENT PLAN			
ROUNDABOUT 1			
FASTEST PATHS			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 30'	SHEET 28 OF 45
CHECKED BY	(V) 1" = N/A	JOB NO.	1096.11

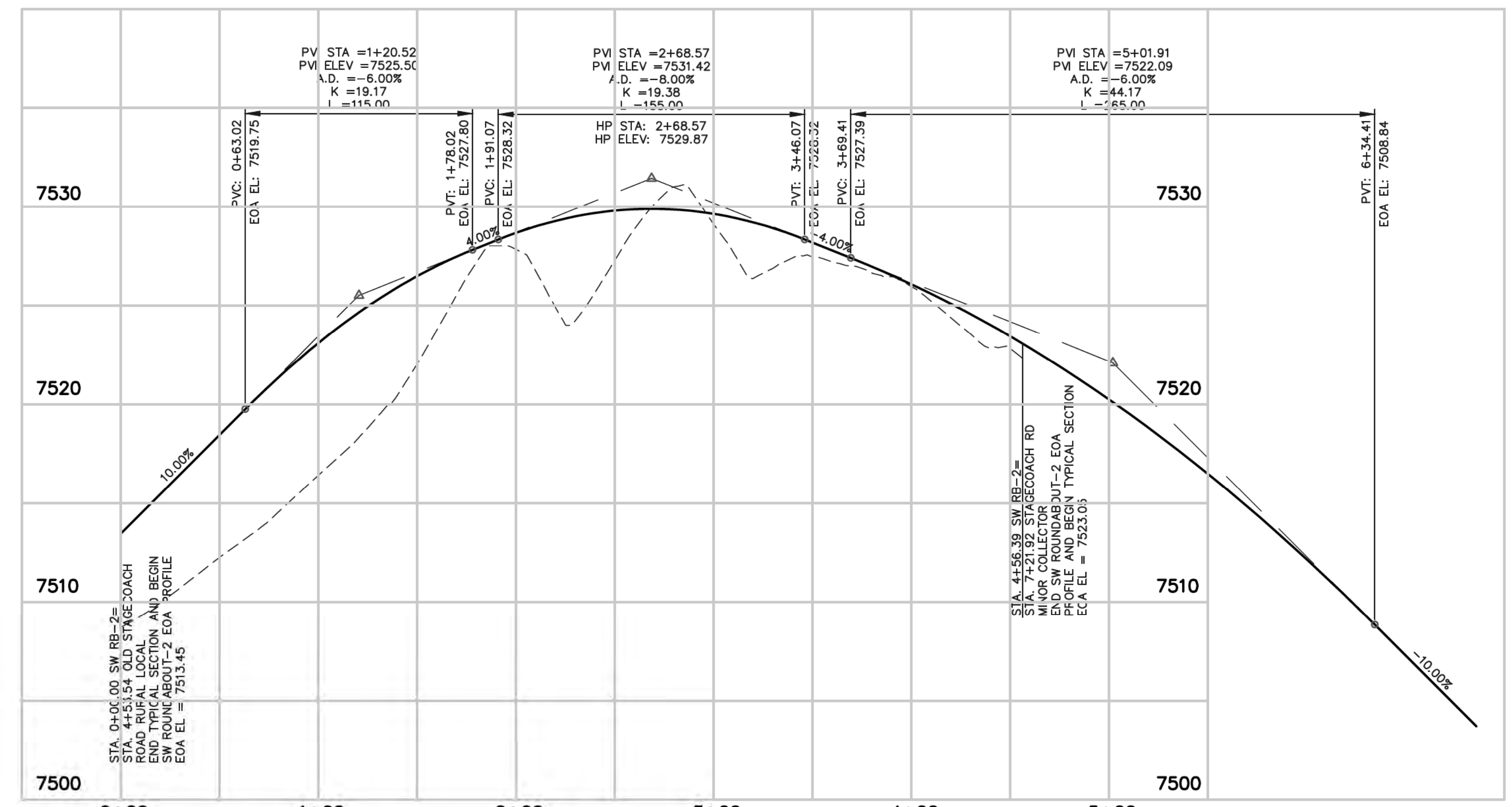
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ROUNDABOUT - 2



ROUNDABOUT - 2
NORTH EOA PROFILE



ROUNDABOUT - 2
SOUTHWEST EOA PROFILE

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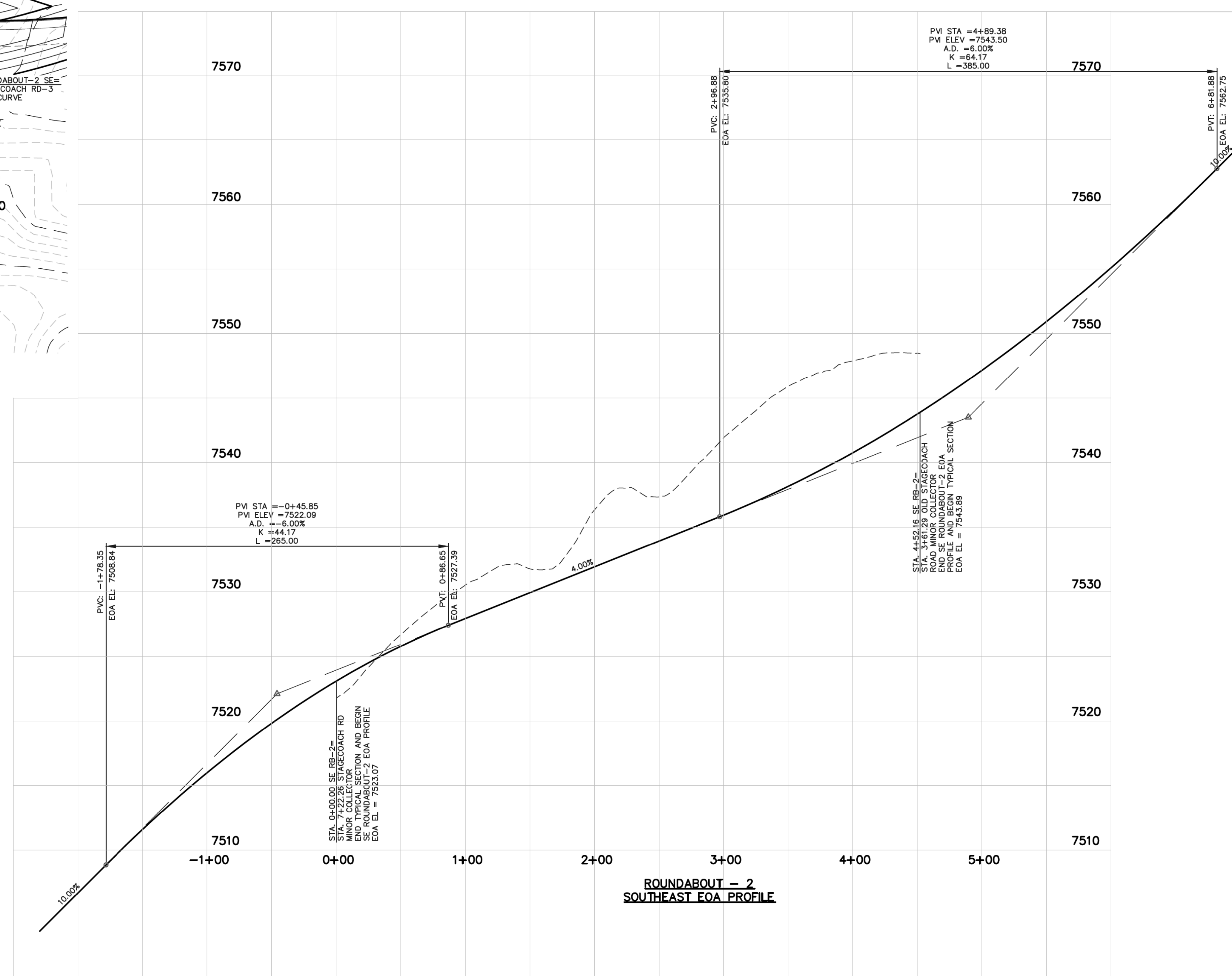
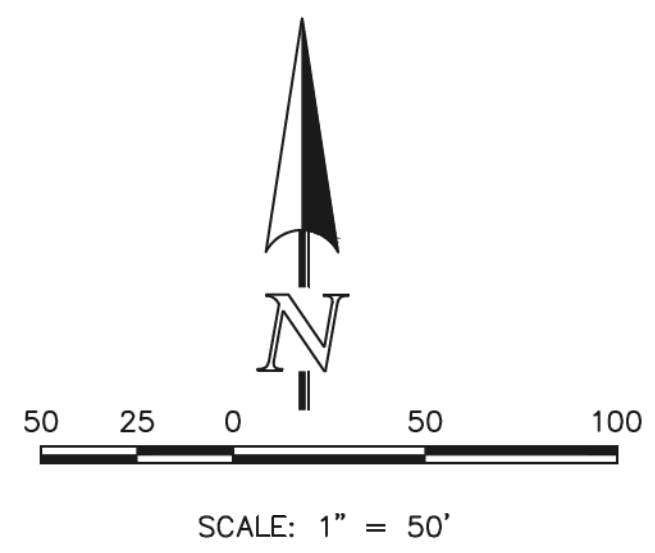
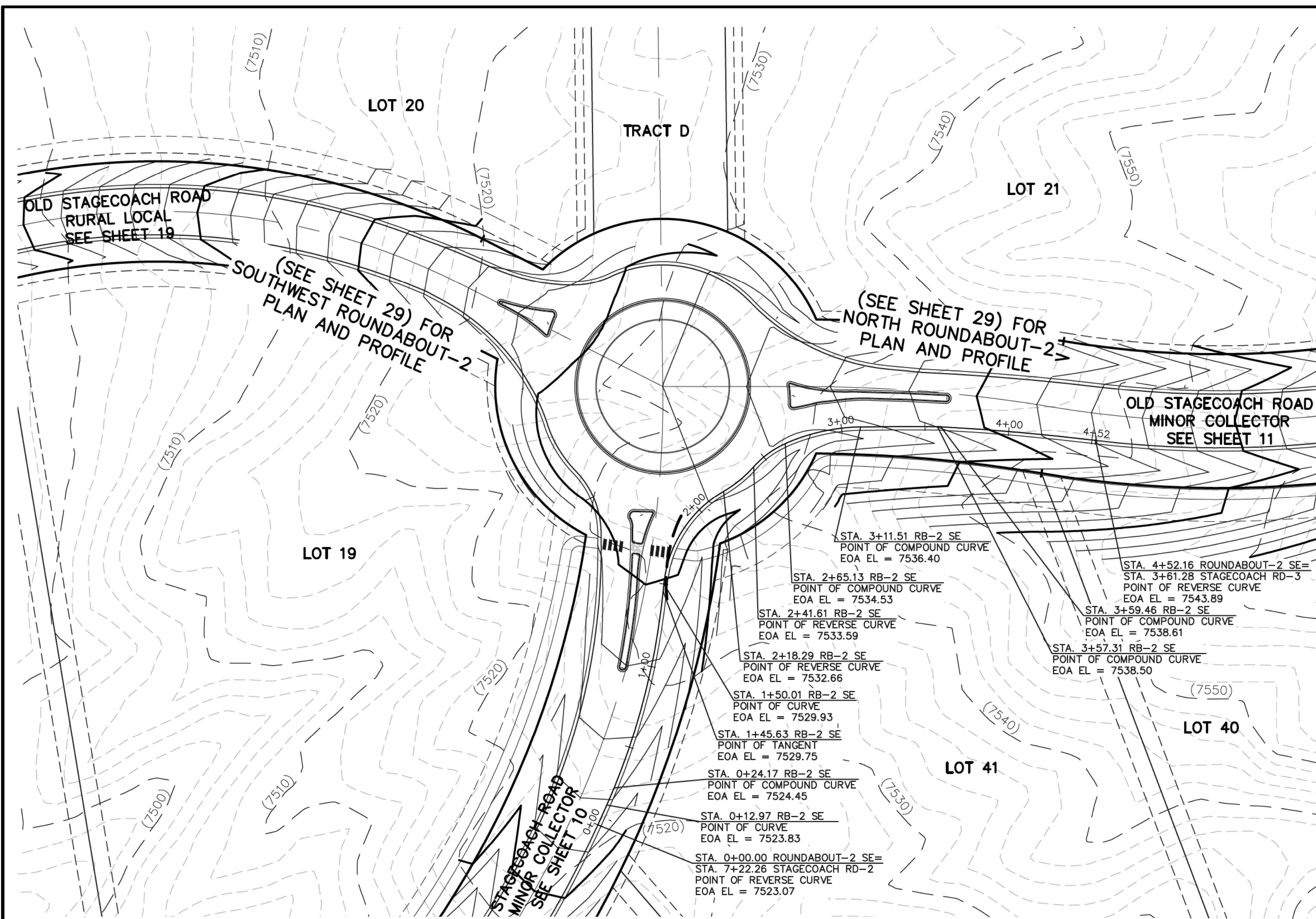
9/17/18
DATE

MARC A. WILSON, CO. ORADO P.E. #37155

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN ROUNDABOUT-2, NORTH AND SOUTHWEST PLAN AND PROFILE PLAN			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 29 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11





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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WILSON, COLORADO P.E. #37155

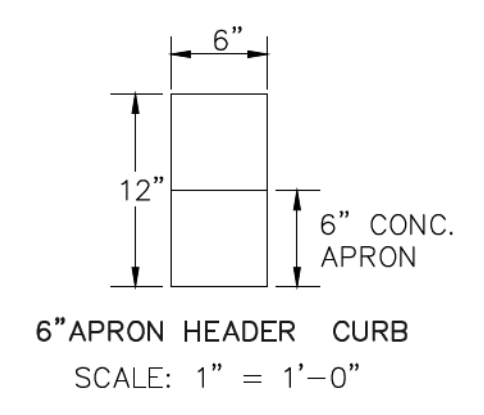
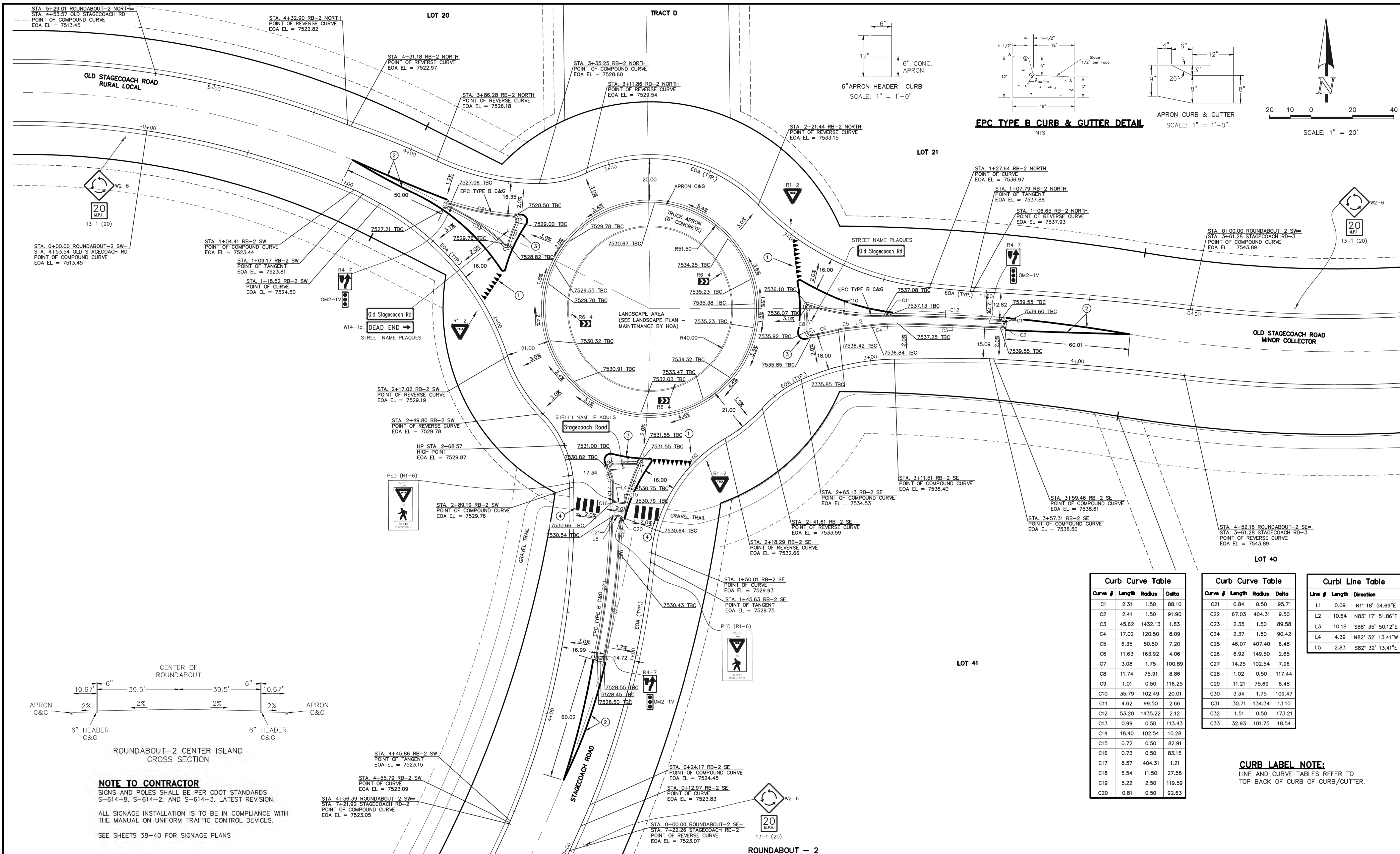
9/17/18

CLASSIC CONSULTING ENGINEERS & SURVEYORS

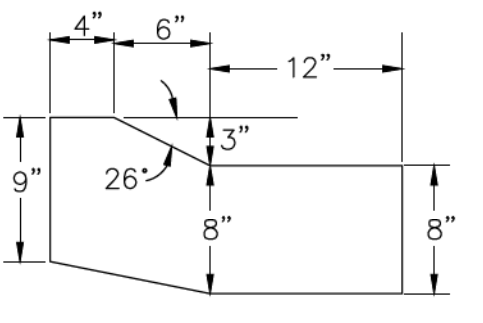
619 N. Cascade Avenue, Suite 200
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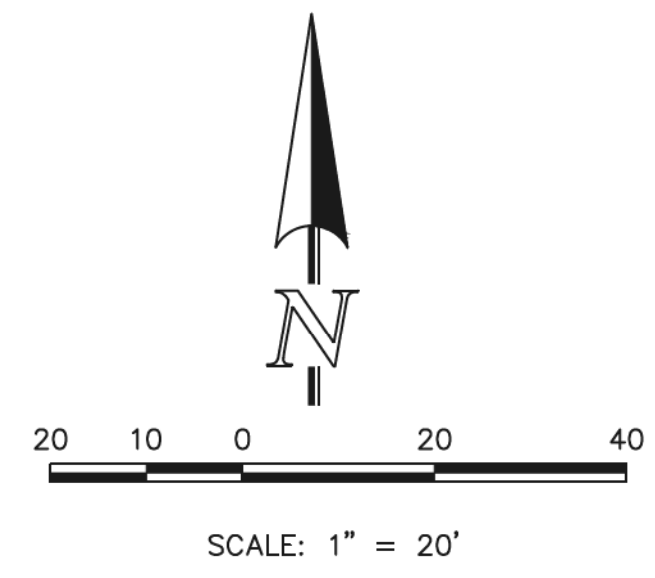
FLYING HORSE NORTH FILING NO. 1			
STREET IMPROVEMENT PLAN			
ROUNDABOUT-2, SOUTHEAST			
PLAN AND PROFILE PLAN			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 29A OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11



EPC TYPE B CURB & GUTTER DETAIL
NTS



APRON CURB & GUTTER
SCALE: 1" = 1'-0"



Curb Curve Table

Curve #	Length	Radius	Delta
C1	2.31	1.50	88.10
C2	2.41	1.50	91.90
C3	45.62	1432.13	1.83
C4	17.02	120.50	8.09
C5	6.35	50.50	7.20
C6	11.63	163.92	4.06
C7	3.08	1.75	100.89
C8	11.74	75.91	8.86
C9	1.01	0.50	116.25
C10	35.79	102.49	20.01
C11	4.62	99.50	2.66
C12	53.20	1435.22	2.12
C13	0.99	0.50	113.43
C14	18.40	102.54	10.28
C15	0.72	0.50	82.91
C16	0.73	0.50	83.15
C17	8.57	404.31	1.21
C18	5.54	11.50	27.58
C19	5.22	2.50	119.59
C20	0.81	0.50	92.63

Curb Curve Table

Curve #	Length	Radius	Delta
C21	0.84	0.50	95.71
C22	67.03	404.31	9.50
C23	2.35	1.50	89.58
C24	2.37	1.50	90.42
C25	46.07	407.40	6.48
C26	6.92	149.50	2.65
C27	14.25	102.54	7.96
C28	1.02	0.50	117.44
C29	11.21	75.69	8.48
C30	3.34	1.75	109.47
C31	30.71	134.34	13.10
C32	1.51	0.50	173.21
C33	32.93	101.75	18.54

Curbl Line Table

Line #	Length	Direction
L1	0.09	N1° 18' 54.69"E
L2	10.64	N83° 17' 51.86"E
L3	10.18	S88° 35' 50.12"E
L4	4.39	N82° 32' 13.41"W
L5	2.83	S82° 32' 13.41"E

CURB LABEL NOTE:
LINE AND CURVE TABLES REFER TO TOP BACK OF CURB OF CURB/GUTTER.

NOTE TO CONTRACTOR
SIGNS AND POLES SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.
ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
SEE SHEETS 38-40 FOR SIGNAGE PLANS

STRIPING LEGEND

STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	YIELD MARKINGS (THERMO)	SOLID WHITE
2	CHANNELIZING LINES (EPOXY)	SOLID YELLOW, 8" WIDE
3	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE
4	CROSSWALK LINES (THERMO)	SOLID WHITE, 20" WIDE, 6' LONG, 20" GAPS

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WILSON, COLORADO P.E. #37155

DATE: 9/17/18

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
ROUNDABOUT-2
STRIPING AND DETAILED GRADING PLAN

DESIGNED BY: PRA SCALE: DATE: 08-11-17
DRAWN BY: PRA (H) 1" = 20' SHEET 30 OF 45
CHECKED BY: (V) 1" = N/A JOB NO. 1096.11

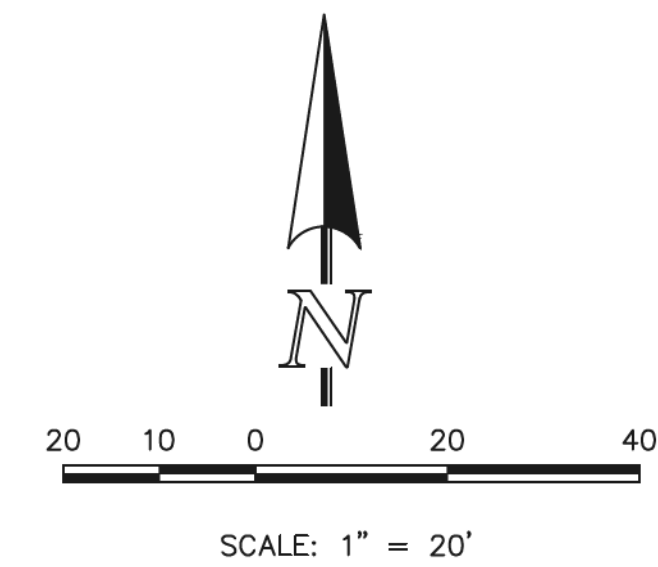
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LOT 20

TRACT D

LOT 21

OLD STAGECOACH ROAD LOCAL



NORTH LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	174.38' / 24.64 MPH	0.23	-0.02
R2	92.99' / 19.30 MPH	0.23	-0.02
R3	234.76' / 27.68 MPH	0.23	-0.02
R4	51.04' / 15.29 MPH	0.23	-0.02
R5	N/A		

SOUTHWEST LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	142.94' / 22.81 MPH	0.23	-0.02
R2	58.06' / 16.07 MPH	0.23	-0.02
R3	184.99' / 25.22 MPH	0.23	-0.02
R4	N/A		
R5	97.33' / 19.64 MPH	0.23	-0.02

OLD STAGECOACH ROAD MINOR COLLECTOR

LOT 19

SOUTHEAST LEG FASTEST PATHS			
		F VALUE	E VALUE
R1	N/A		
R2	N/A		
R3	N/A		
R4	57.36' / 16.00 MPH	0.23	-0.02
R5	91.60' / 19.18 MPH	0.23	-0.02

LOT 40

NOTE:
 ROUNDABOUT-2 WAS DESIGNED USING THE CIVIL 3D VEHICLE TRACKING CONTROL PROGRAM. USING FHWA 2010: RURAL SINGLE LANE ROUNDABOUT CRITERIA.

STAGECOACH ROAD MINOR COLLECTOR

LOT 41

ROUNDABOUT - 2

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC



MARC A. WHORTON, COLORADO P.E. #37155 DATE 9/17/18

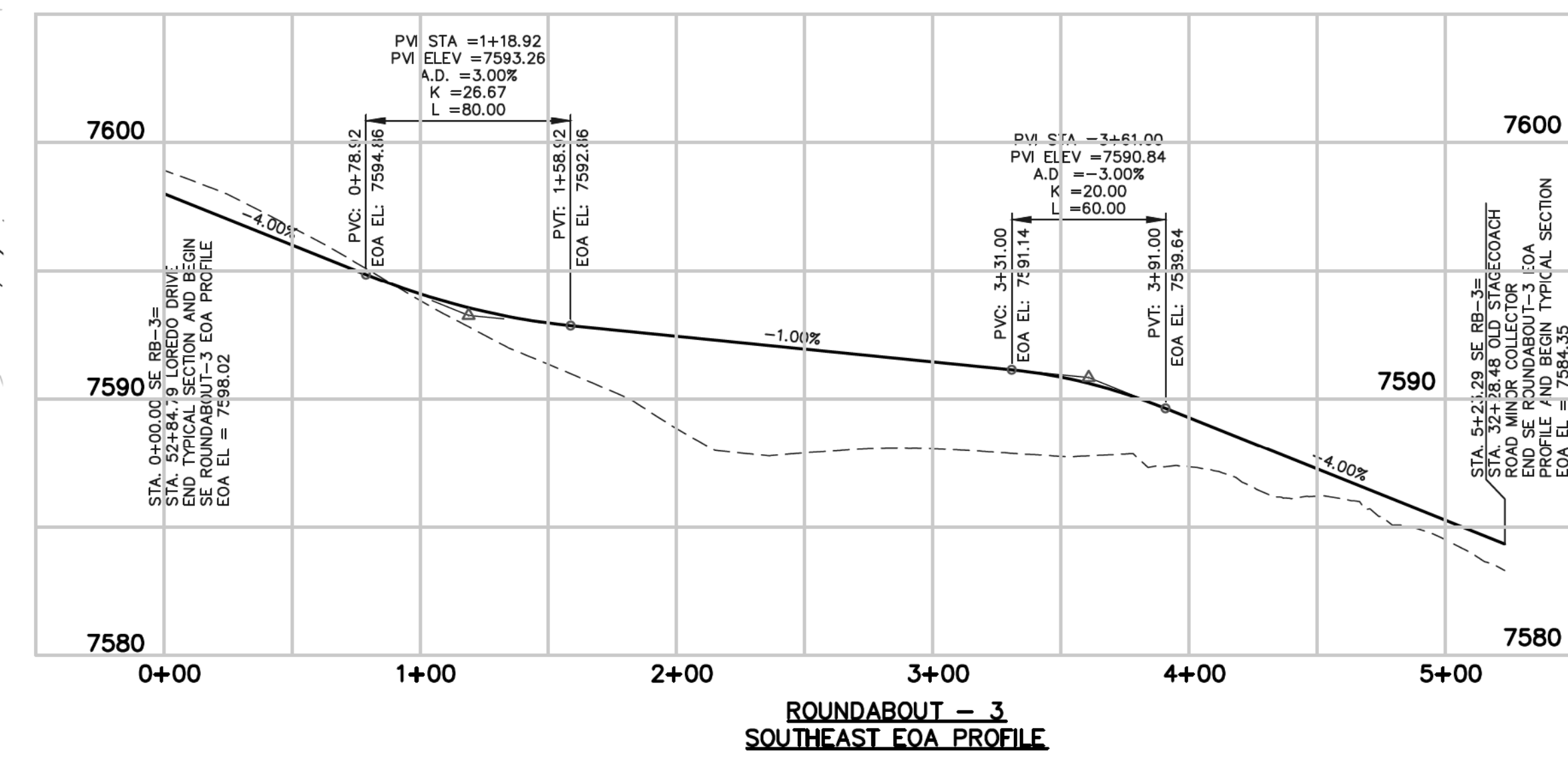
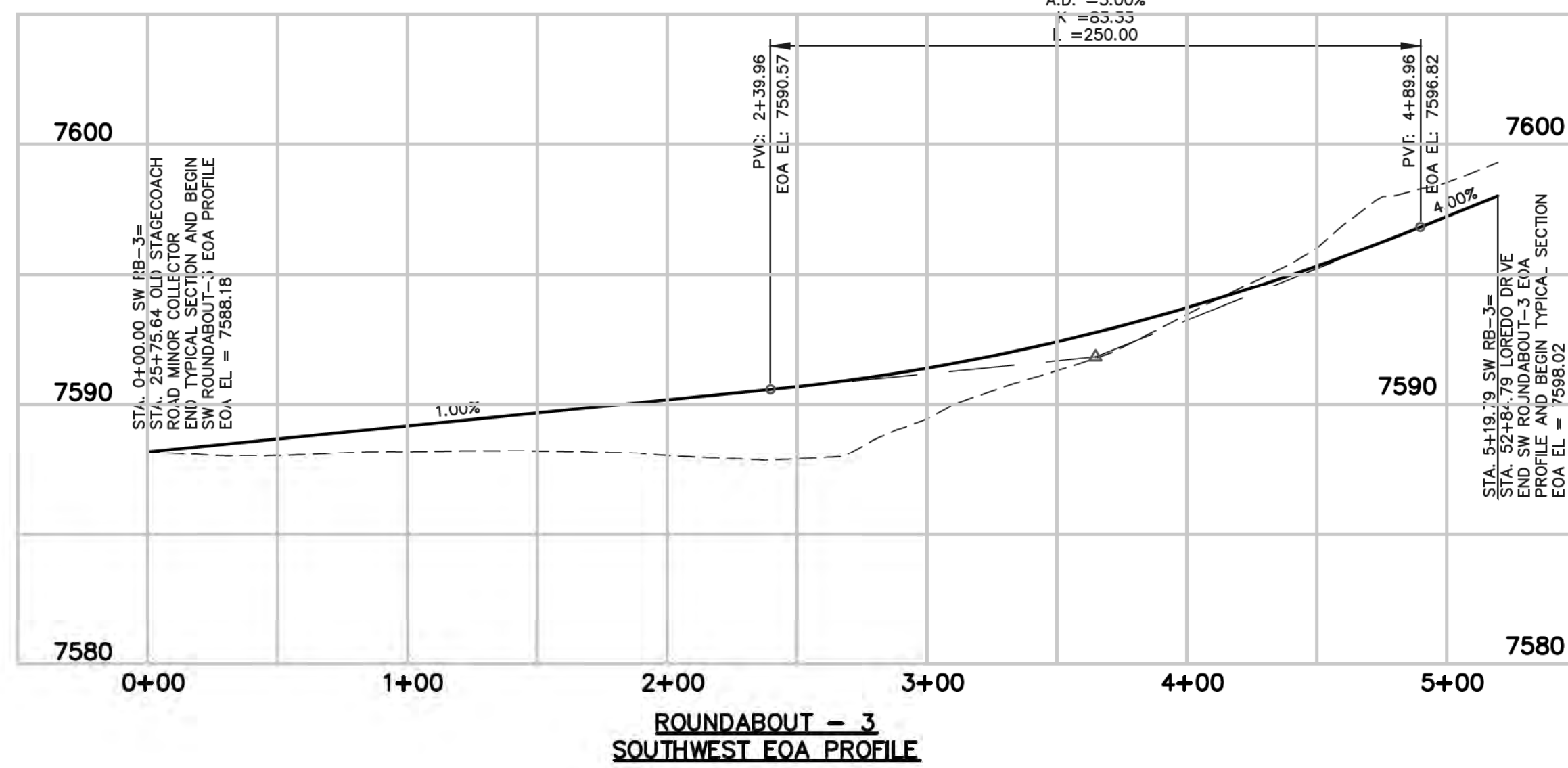
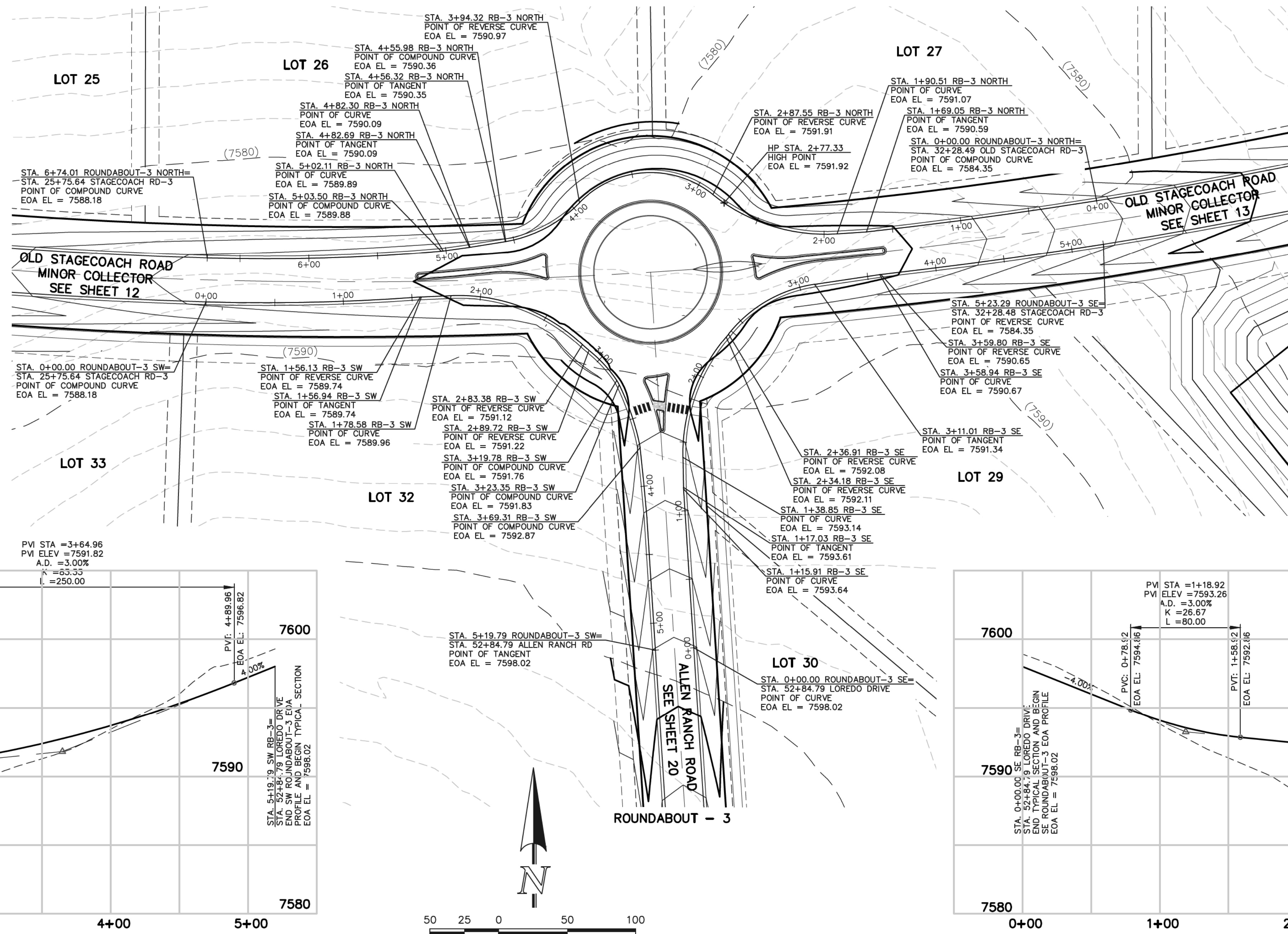
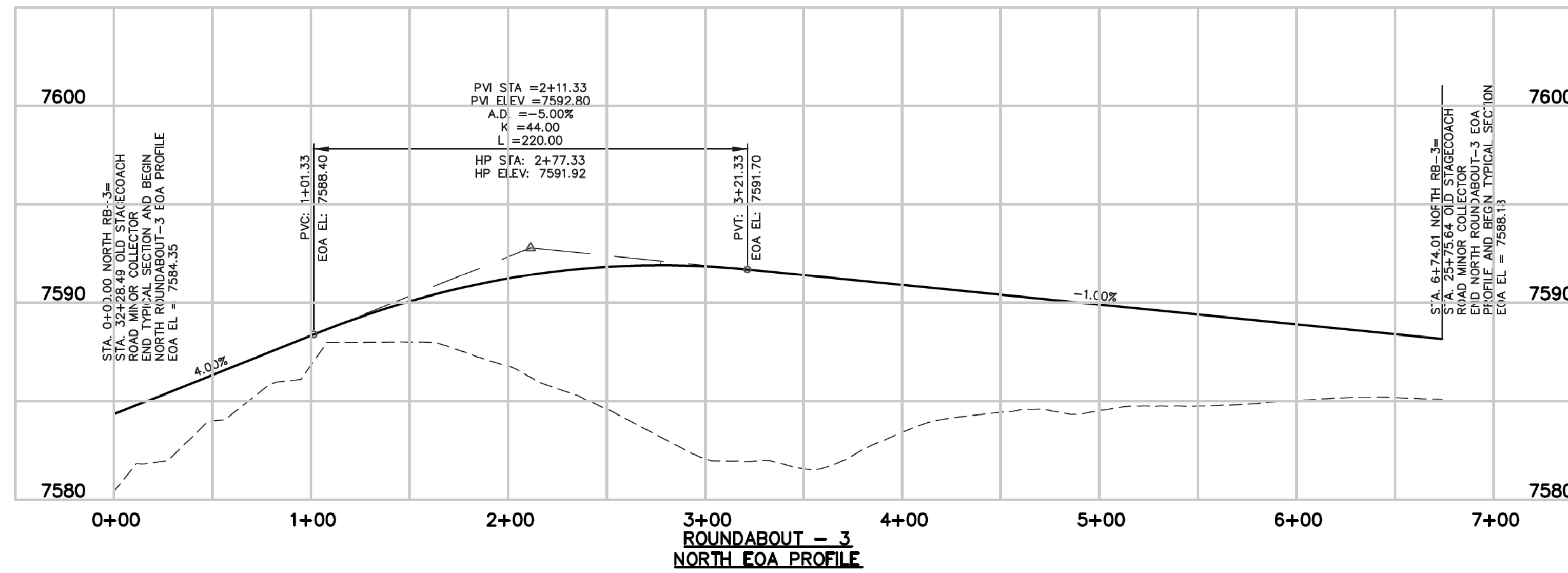


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FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 ROUNDABOUT-2
 FASTEST PATHS

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 20'	SHEET	31 OF 45
CHECKED BY	(V) 1" = N/A	JOB NO.	1096.11	





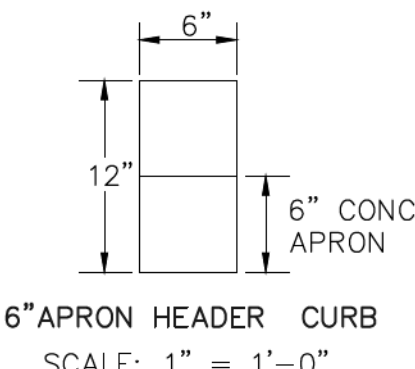
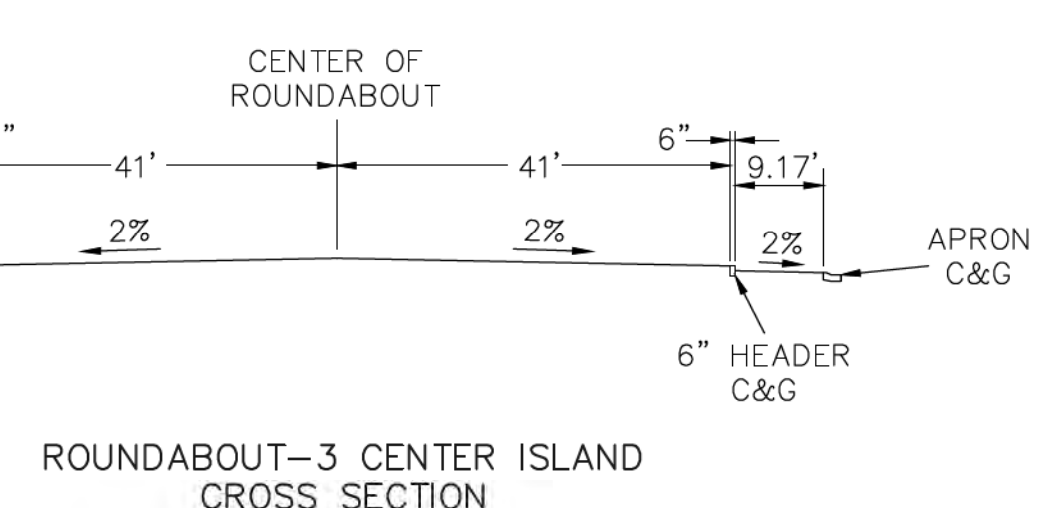
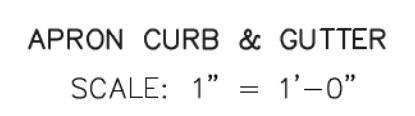
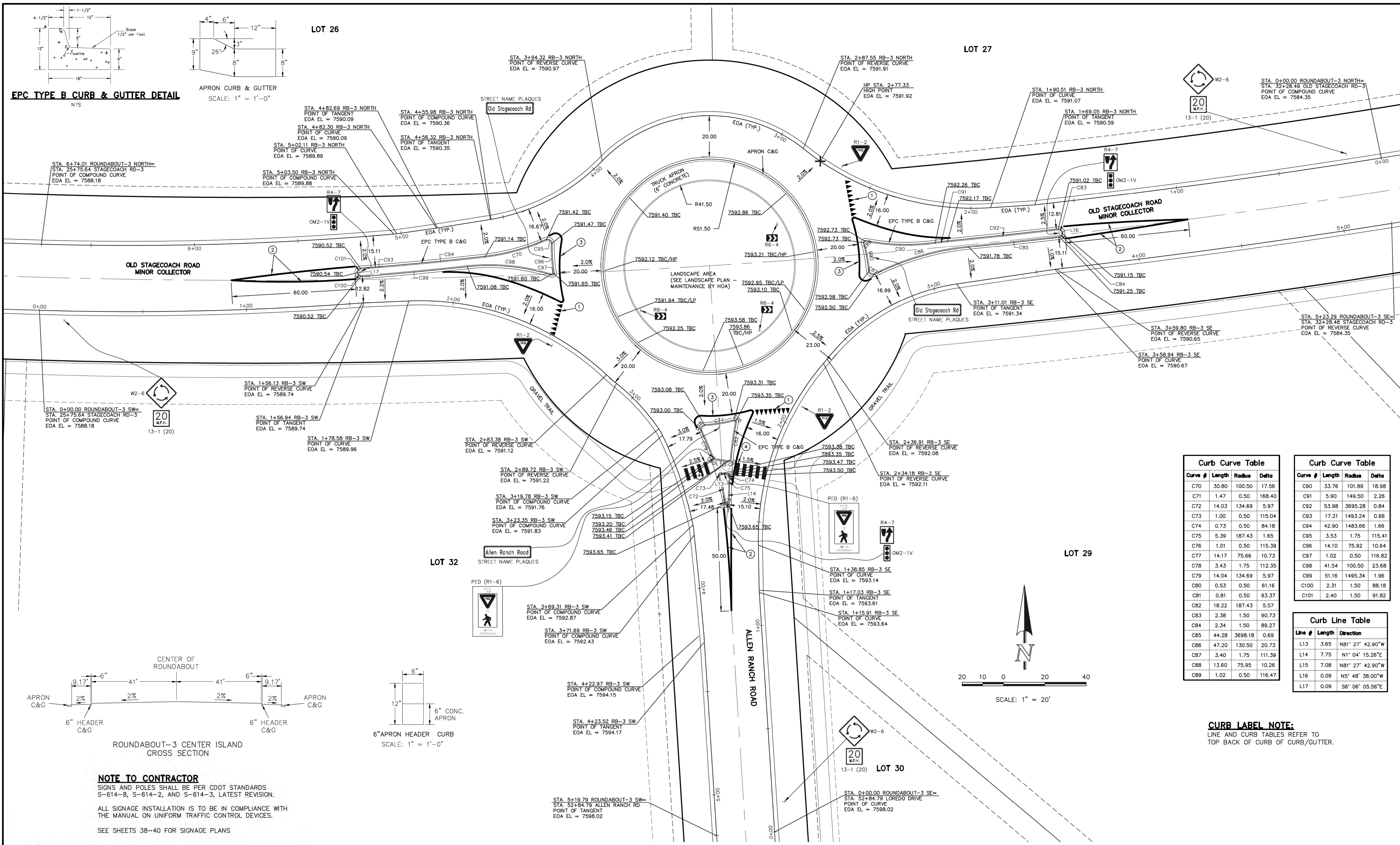
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48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW		NO. REVISION	DATE
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REVIEW:	DATE: 9/17/18
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC	
MARC A. WILSON, COLORADO P.E. #37155	

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN ROUNDABOUT-3 PLAN AND PROFILE PLAN			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET 32 OF 45
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11



NOTE TO CONTRACTOR
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STRIPING LEGEND		
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1	YIELD MARKINGS (THERMO)	SOLID WHITE
2	CHANNELIZING LINES (EPOXY)	SOLID YELLOW, 8" WIDE
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MARC A. WHORTON, COLORADO P.E. #37155

DATE: 9/17/18

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619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 ROUNDABOUT-3
 STRIPING AND DETAILED GRADING PLAN

DESIGNED BY: PRA SCALE: DATE: 08-11-17
 DRAWN BY: PRA (H) 1" = 20' SHEET 33 OF 45
 CHECKED BY: (V) 1" = N/A JOB NO. 1096.11

Curb Curve Table			
Curve #	Length	Radius	Delta
C70	30.80	100.50	17.56
C71	1.47	0.50	168.40
C72	14.03	134.69	5.97
C73	1.00	0.50	115.04
C74	0.73	0.50	84.18
C75	5.39	187.43	1.65
C76	1.01	0.50	115.39
C77	14.17	75.66	10.73
C78	3.43	1.75	112.35
C79	14.04	134.69	5.97
C80	0.53	0.50	61.16
C81	0.81	0.50	93.37
C82	18.22	187.43	5.57
C83	2.38	1.50	90.73
C84	2.34	1.50	89.27
C85	44.28	3698.18	0.69
C86	47.20	130.50	20.73
C87	3.40	1.75	111.39
C88	13.60	75.95	10.26
C89	1.02	0.50	116.47

Curb Curve Table			
Curve #	Length	Radius	Delta
C90	33.76	101.89	18.98
C91	5.90	149.50	2.26
C92	53.98	3695.28	0.84
C93	17.21	1493.24	0.66
C94	42.90	1483.66	1.66
C95	3.53	1.75	115.41
C96	14.10	75.92	10.64
C97	1.02	0.50	116.82
C98	41.54	100.50	23.68
C99	51.16	1495.34	1.96
C100	2.31	1.50	88.18
C101	2.40	1.50	91.82

Curb Line Table		
Line #	Length	Direction
L13	3.65	N81° 27' 42.90"W
L14	7.75	N1° 04' 15.26"E
L15	7.08	N81° 27' 42.90"W
L16	0.09	N5° 48' 38.00"W
L17	0.09	S6° 06' 05.56"E

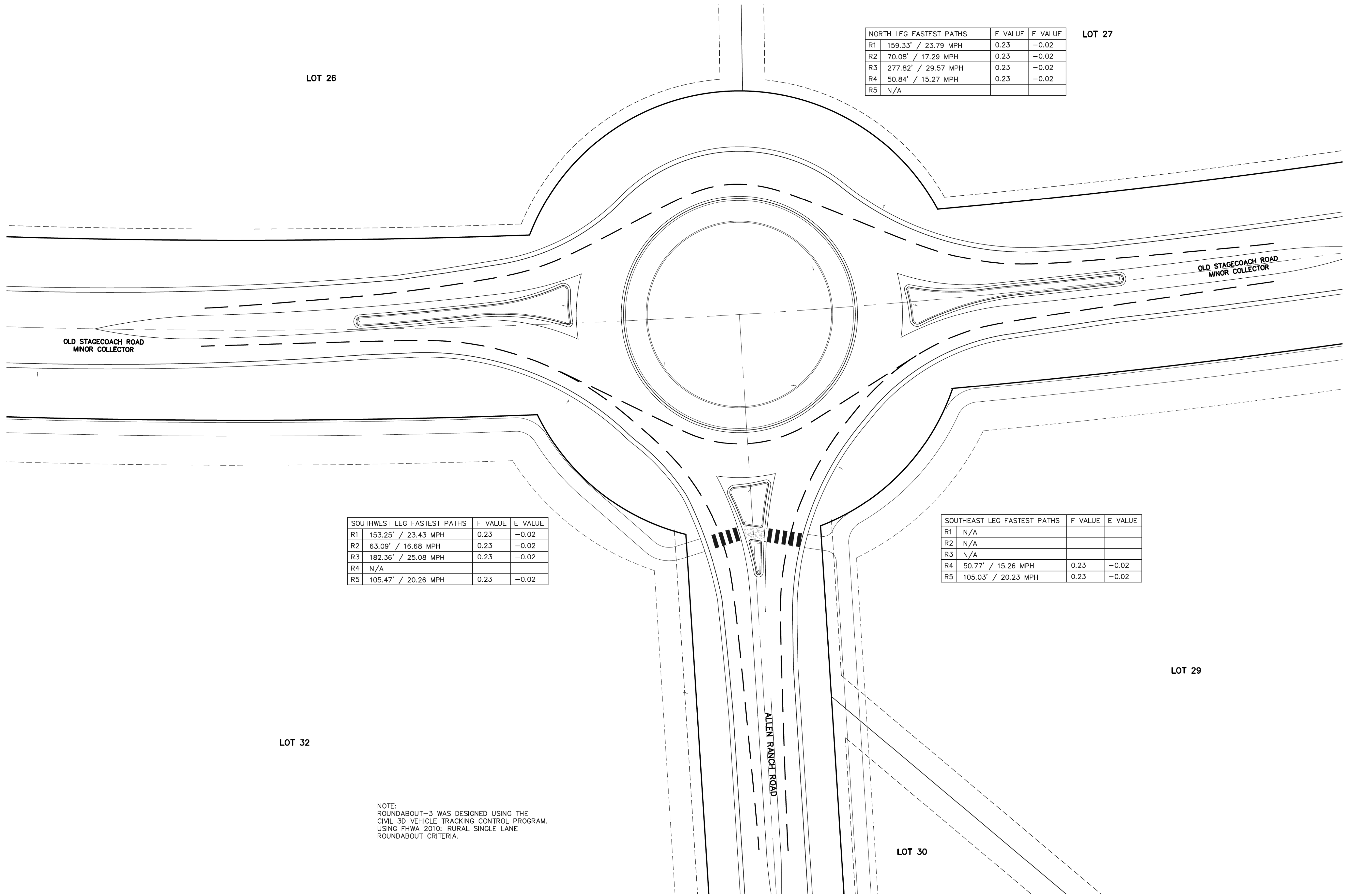
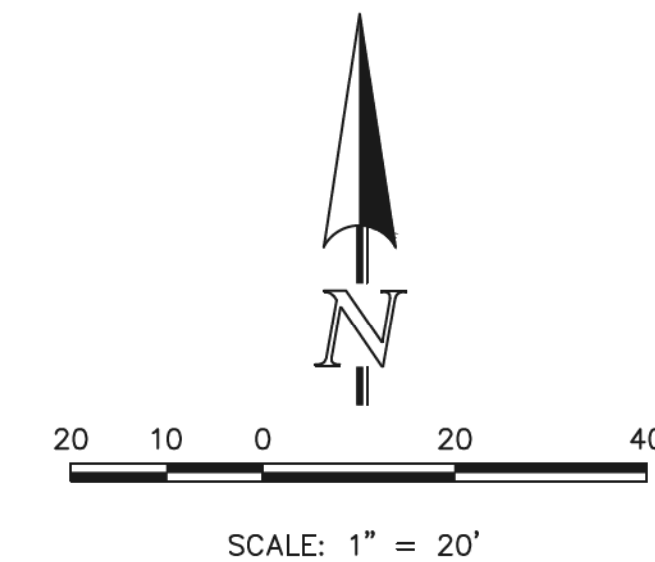
CURB LABEL NOTE:
 LINE AND CURB TABLES REFER TO TOP BACK OF CURB OF CURB/GUTTER.

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NORTH LEG FASTEST PATHS		F VALUE	E VALUE
R1	159.33' / 23.79 MPH	0.23	-0.02
R2	70.08' / 17.29 MPH	0.23	-0.02
R3	277.82' / 29.57 MPH	0.23	-0.02
R4	50.84' / 15.27 MPH	0.23	-0.02
R5	N/A		

LOT 27

LOT 26



SOUTHWEST LEG FASTEST PATHS			
R	Length	Speed	Value
R1	153.25'	23.43 MPH	0.23
R2	63.09'	16.68 MPH	0.23
R3	182.36'	25.08 MPH	0.23
R4	N/A		
R5	105.47'	20.26 MPH	0.23

SOUTHEAST LEG FASTEST PATHS			
R	Length	Speed	Value
R1	N/A		
R2	N/A		
R3	N/A		
R4	50.77'	15.26 MPH	0.23
R5	105.03'	20.23 MPH	0.23

LOT 32

LOT 29

ALLEN RANCH ROAD

LOT 30

NOTE:
 ROUNDABOUT-3 WAS DESIGNED USING THE CIVIL 3D VEHICLE TRACKING CONTROL PROGRAM. USING FHWA 2010: RURAL SINGLE LANE ROUNDABOUT CRITERIA.

ROUNDABOUT - 3

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NO.	REVISION	DATE

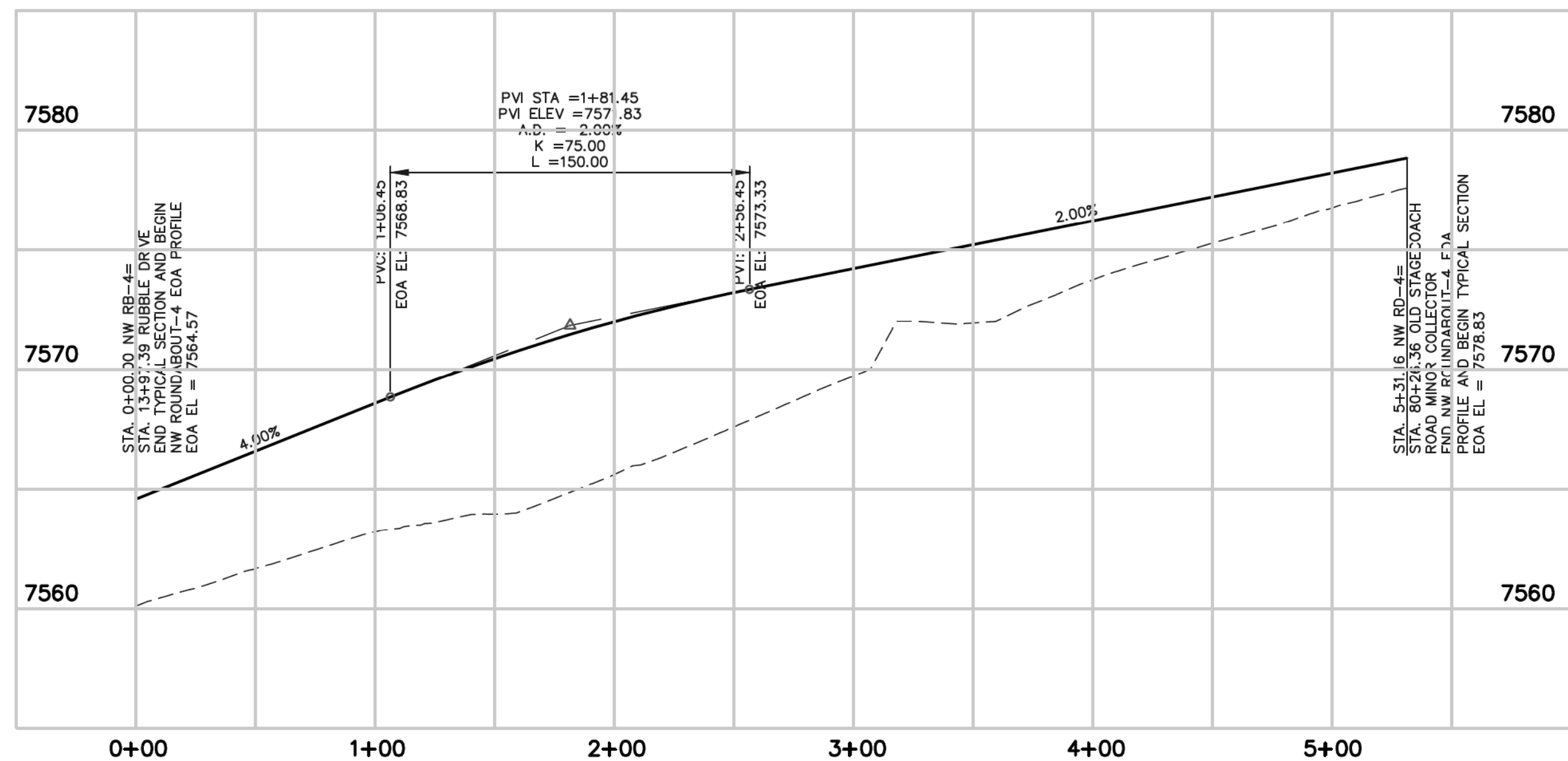
REVIEW:
 PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON / COLORADO P.E. #37155
 DATE: 9/17/18

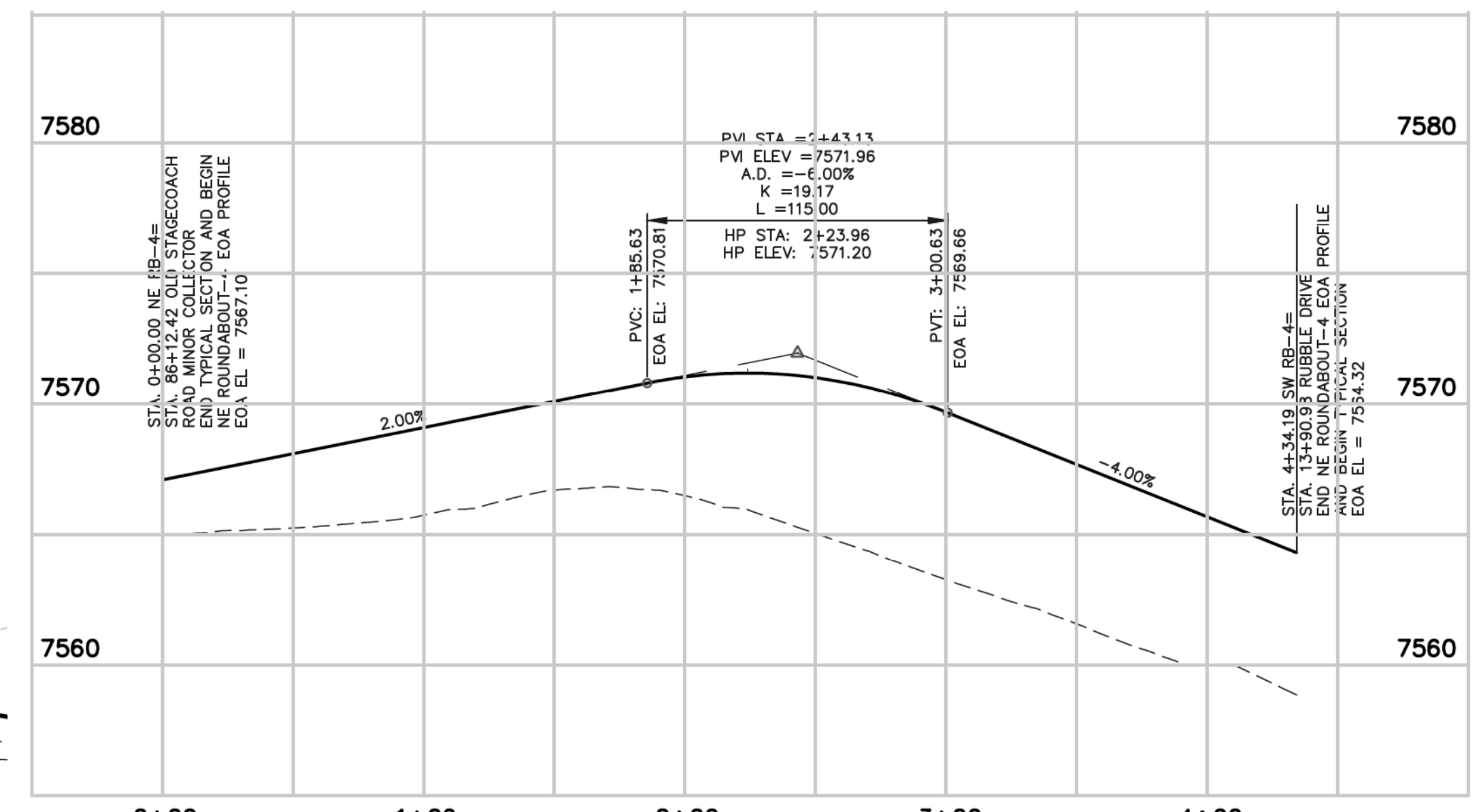
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 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN ROUNDABOUT-3 FASTEST PATHS			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1" = 20'	SHEET 34 OF 45
CHECKED BY	(V)	1" = N/A	JOB NO. 1096.11

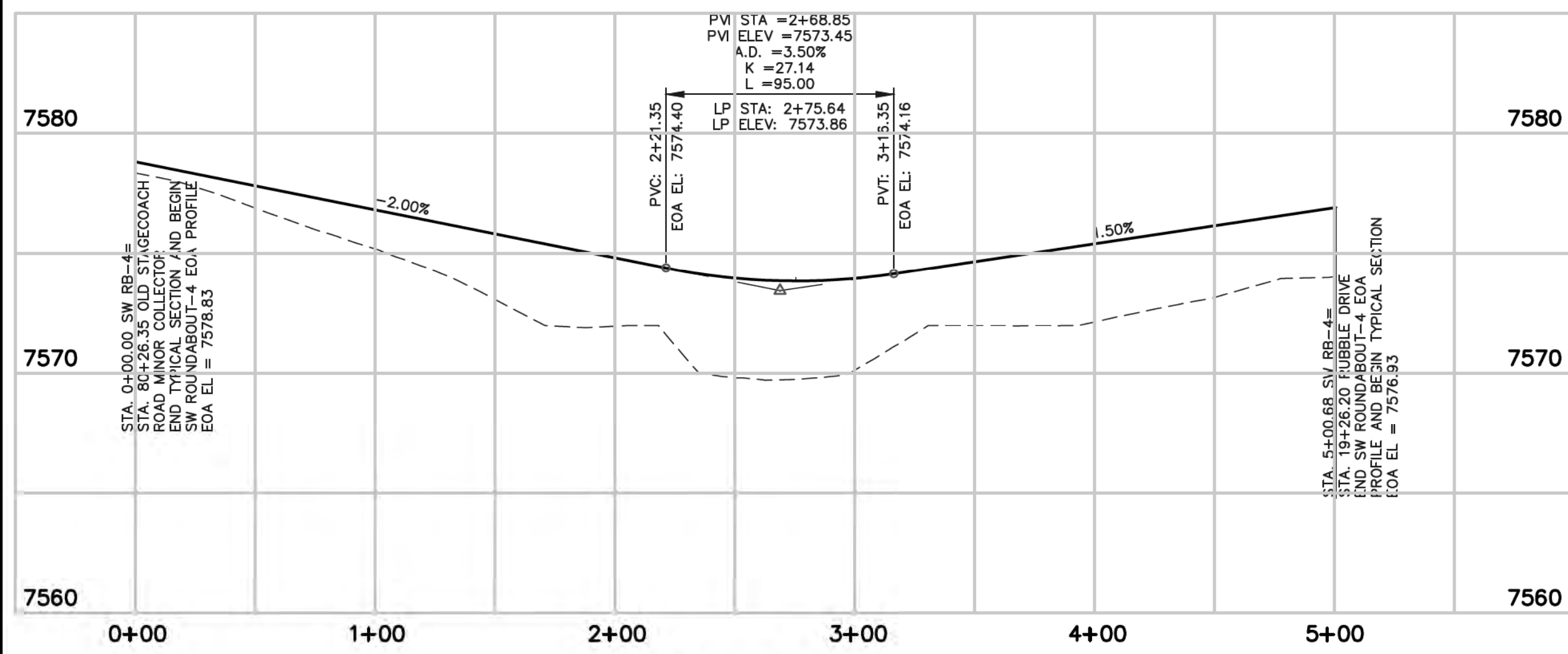
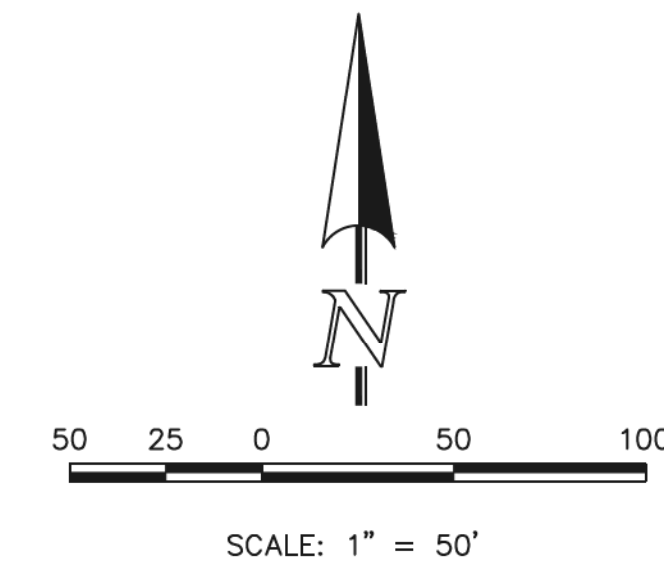
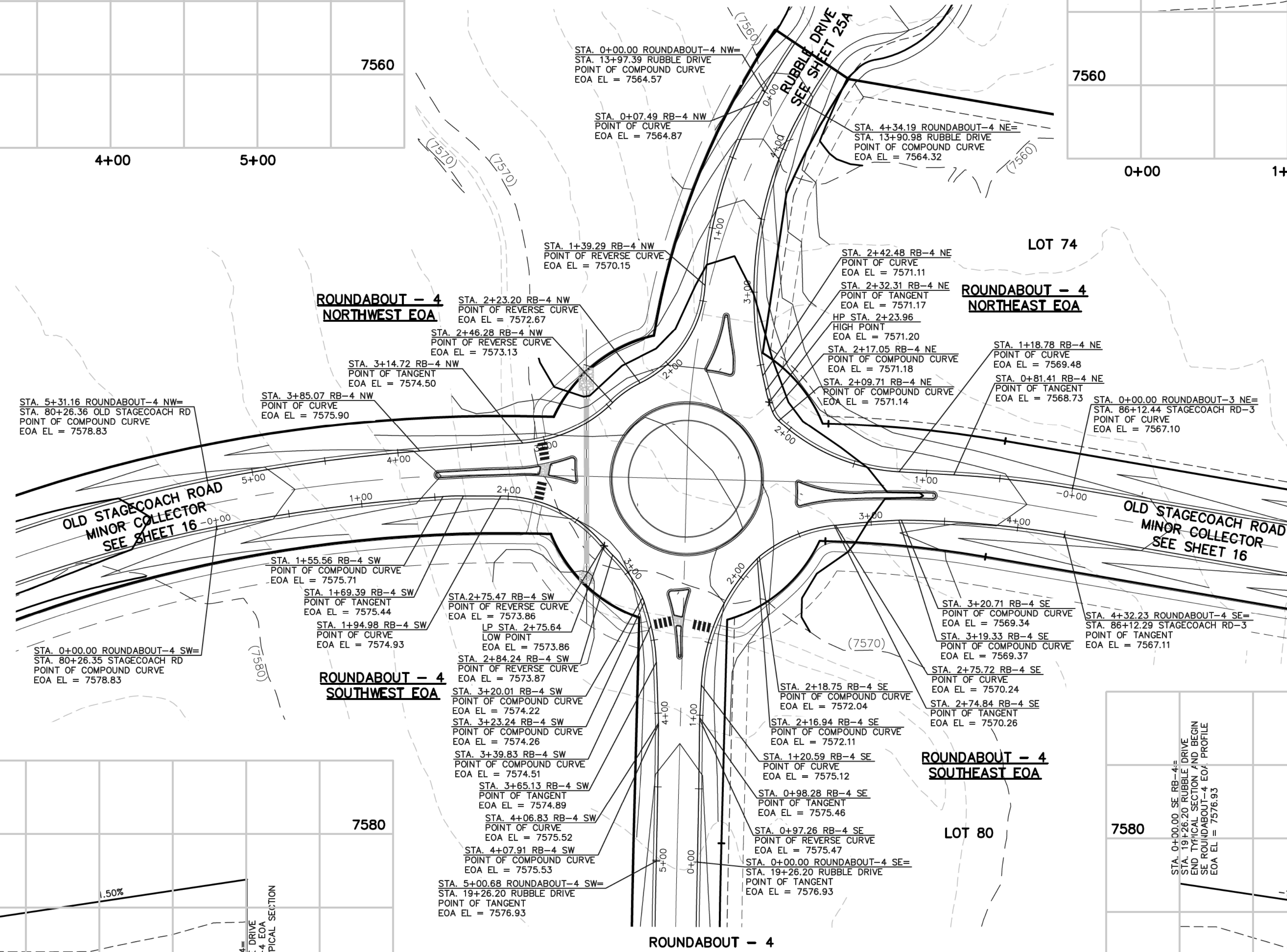
CLASSIC CONSULTING ENGINEERS & SURVEYORS



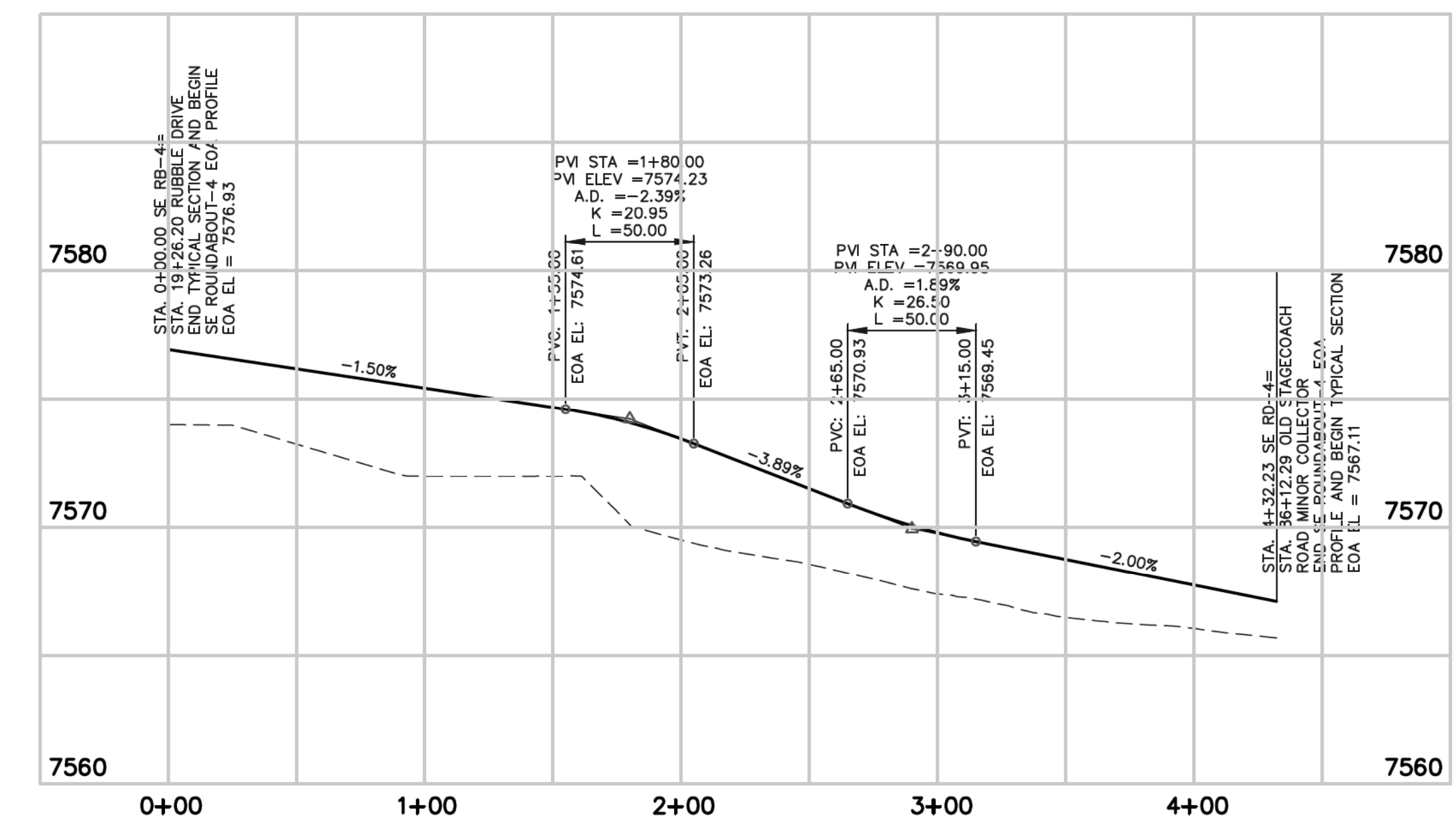
**ROUNDABOUT - 4
NORTHWEST EOA PROFILE**



**ROUNDABOUT - 4
NORTHEAST EOA PROFILE**



**ROUNDABOUT - 4
SOUTHWEST EOA PROFILE**



**ROUNDABOUT - 4
SOUTHEAST EOA PROFILE**

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9/17/18

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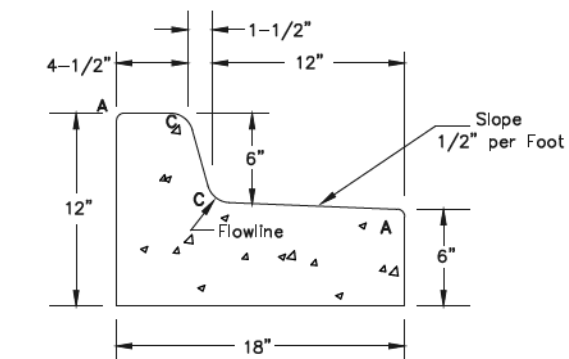
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FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
ROUNDABOUT - 4
PLAN AND PROFILE PLAN

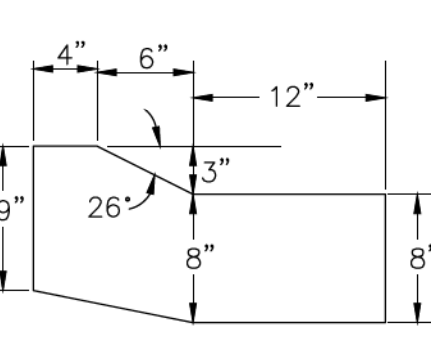
DESIGNED BY: PRA SCALE: DATE: 08-11-17
DRAWN BY: PRA (H) 1" = 50' SHEET 35 OF 45
CHECKED BY: (V) 1" = 5' JOB NO. 1096.11



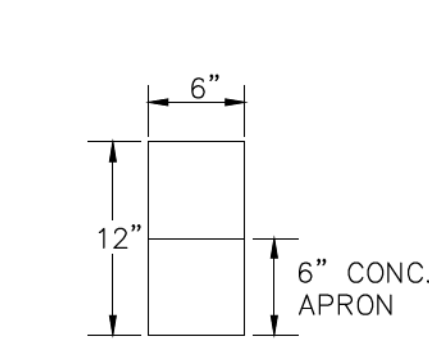
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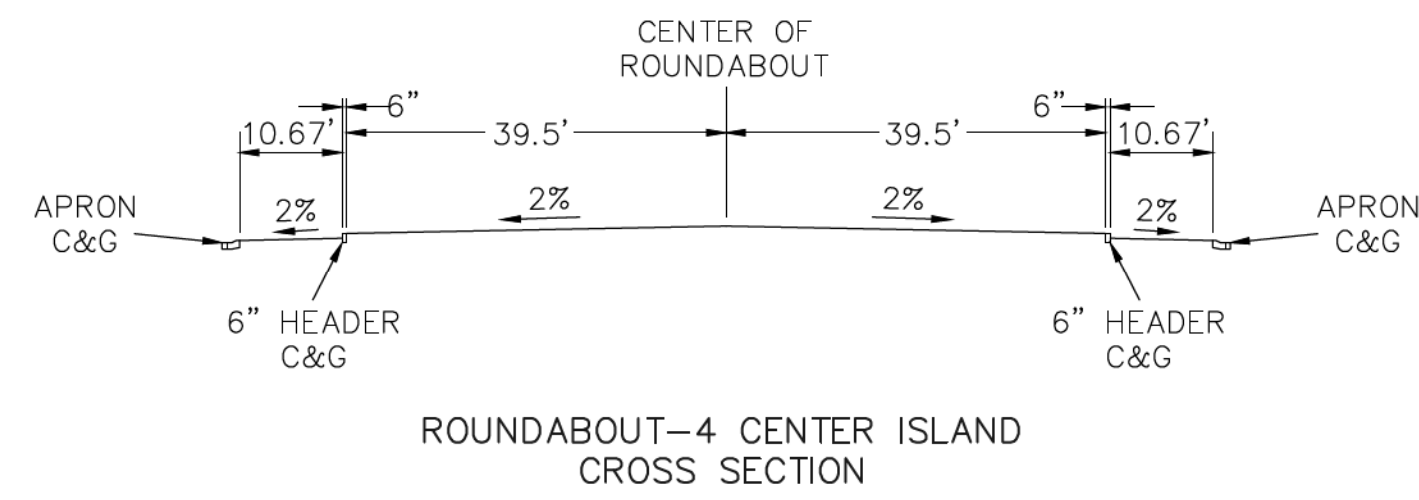
EPC TYPE B CURB & GUTTER DETAIL
NTS



APRON CURB & GUTTER
SCALE: 1" = 1'-0"



6\"/>



ROUNDAABOUT-4 CENTER ISLAND CROSS SECTION

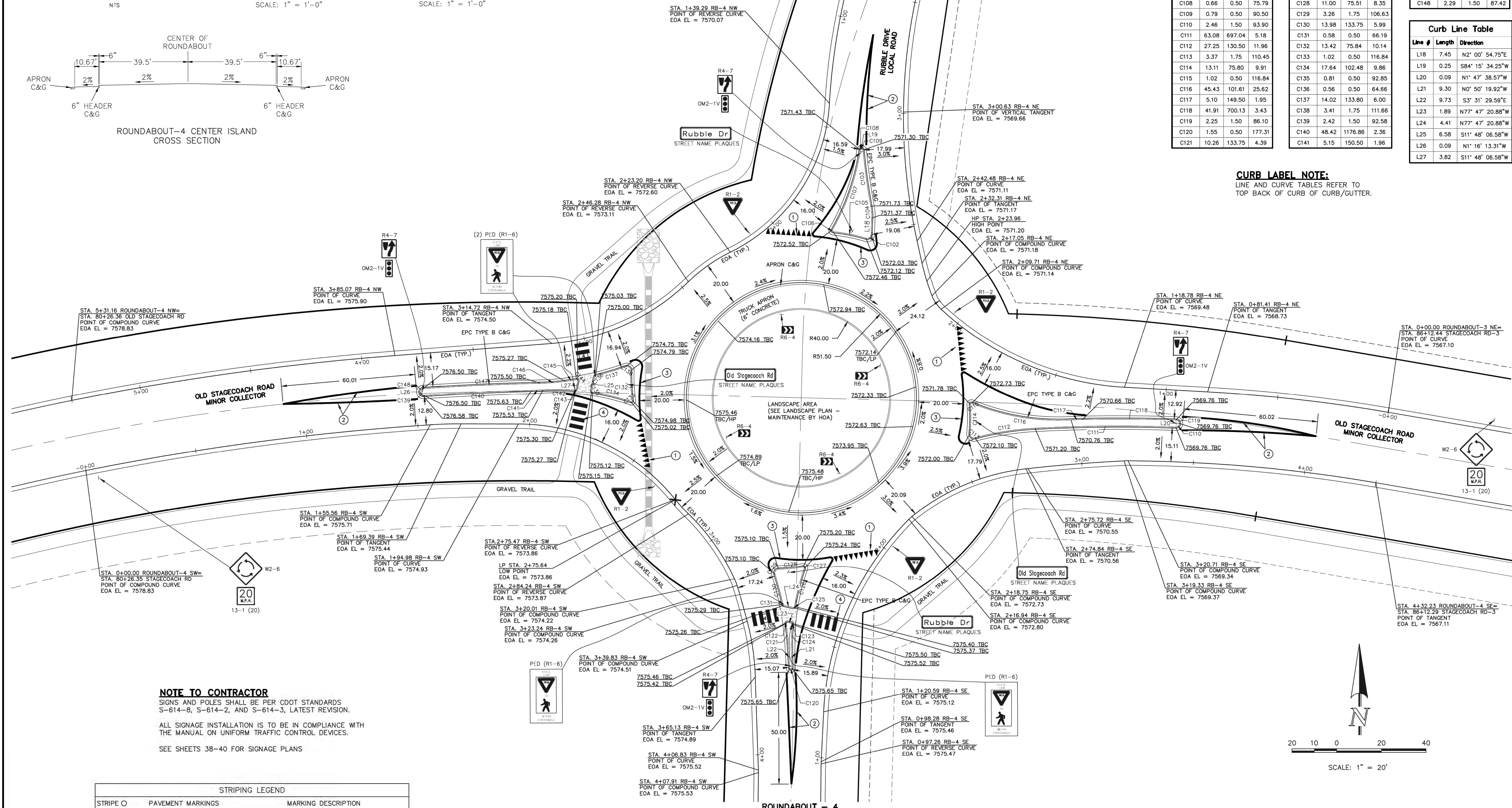
Curve #	Length	Radius	Delta
C102	3.20	1.75	104.86
C103	25.38	273.06	5.32
C104	5.38	24.50	12.58
C105	15.06	75.94	11.36
C106	1.00	0.50	114.51
C107	38.22	101.63	21.55
C108	0.66	0.50	75.79
C109	0.79	0.50	90.50
C110	2.46	1.50	93.90
C111	63.08	697.04	5.18
C112	27.25	130.50	11.96
C113	3.37	1.75	110.45
C114	13.11	75.80	9.91
C115	1.02	0.50	116.84
C116	45.43	101.61	25.62
C117	5.10	149.50	1.95
C118	41.91	700.13	3.43
C119	2.25	1.50	86.10
C120	1.55	0.50	177.31
C121	10.26	133.75	4.39

Curve #	Length	Radius	Delta
C122	0.96	0.50	110.13
C123	0.72	0.50	82.66
C124	10.21	102.44	5.71
C125	0.81	0.50	92.87
C126	17.60	102.44	9.84
C127	1.03	0.50	118.50
C128	11.00	75.51	8.35
C129	3.26	1.75	106.63
C130	13.98	133.75	5.99
C131	0.58	0.50	66.19
C132	13.42	75.84	10.14
C133	1.02	0.50	116.84
C134	17.64	102.48	9.86
C135	0.81	0.50	92.85
C136	0.56	0.50	64.66
C137	14.02	133.80	6.00
C138	3.41	1.75	111.66
C139	2.42	1.50	92.58
C140	48.42	1176.86	2.36
C141	5.15	150.50	1.96

Curve #	Length	Radius	Delta
C142	14.20	102.48	7.94
C143	0.72	0.50	82.68
C144	0.97	0.50	111.62
C145	5.07	133.80	2.17
C146	11.15	100.50	6.18
C147	52.57	1180.01	2.55
C148	2.29	1.50	87.42

Line #	Length	Direction
L18	7.45	N2° 00' 54.75\"/>
L19	0.25	S84° 15' 34.25\"/>
L20	0.09	N1° 47' 38.57\"/>
L21	9.30	N0° 50' 19.92\"/>
L22	9.73	S3° 31' 29.59\"/>
L23	1.89	N77° 47' 20.88\"/>
L24	4.41	N77° 47' 20.88\"/>
L25	6.58	S11° 48' 06.58\"/>
L26	0.09	N1° 16' 13.31\"/>
L27	3.82	S11° 48' 06.58\"/>

CURB LABEL NOTE:
LINE AND CURVE TABLES REFER TO TOP BACK OF CURB OF CURB/GUTTER.



NOTE TO CONTRACTOR
SIGNS AND POLES SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.
ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
SEE SHEETS 38-40 FOR SIGNAGE PLANS

STRIPING LEGEND		
STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	YIELD MARKINGS	SOLID WHITE
2	CHANNELIZING LINES (EPOXY)	SOLID YELLOW, 8\"/>
3	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8\"/>
4	CROSSWALK LINES (THERMO)	SOLID WHITE, 20\"/>

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO.	REVISION	DATE

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORSTON, COLORADO P.E. #37155

9/17/18

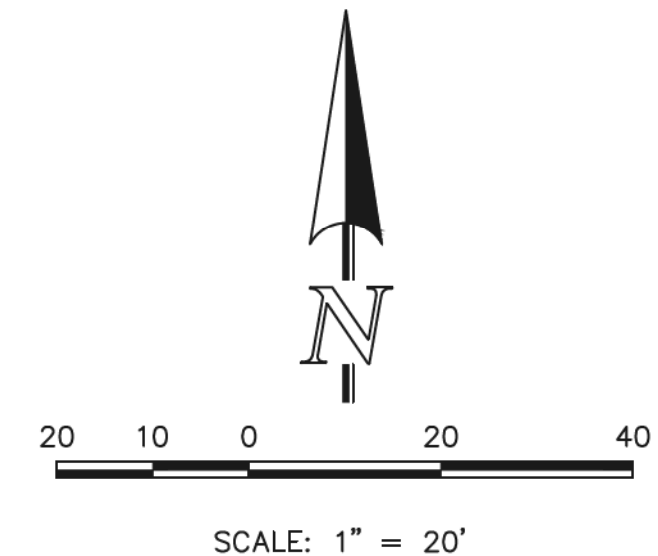
CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

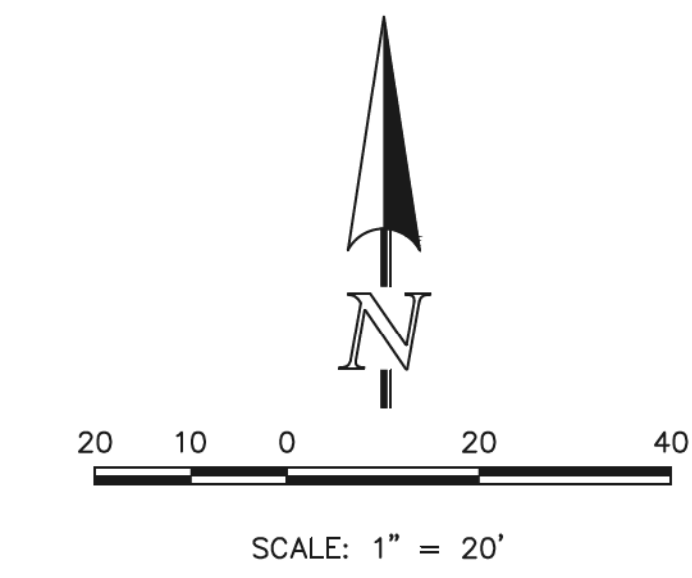
(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
STREET IMPROVEMENT PLAN
ROUNDAABOUT-4
STRIPING AND DETAILED GRADING PLAN

DESIGNED BY: PRA SCALE: DATE: 08-11-17
DRAWN BY: PRA (H) 1" = 20' SHEET 36 OF 45
CHECKED BY: (V) 1" = N/A JOB NO. 1096.11



M:\09861\DRAWINGS\CONSTRUCTION\09861-S-36.dwg, 9/14/2018 8:34:07 AM, 1:1

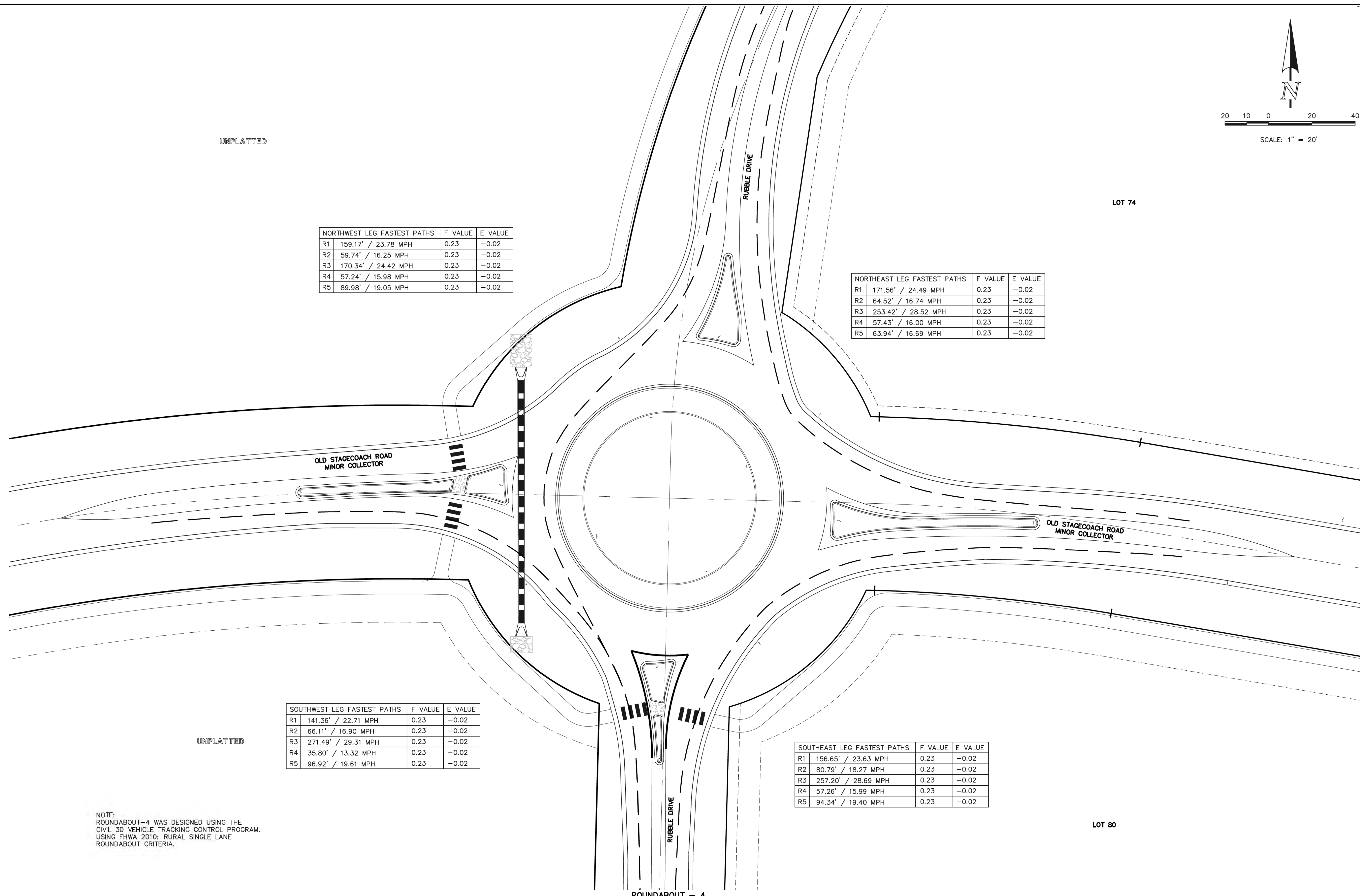


UNPLATTED

LOT 74

NORTHWEST LEG FASTEST PATHS			F VALUE	E VALUE
R1	159.17' / 23.78 MPH	0.23	-0.02	
R2	59.74' / 16.25 MPH	0.23	-0.02	
R3	170.34' / 24.42 MPH	0.23	-0.02	
R4	57.24' / 15.98 MPH	0.23	-0.02	
R5	89.98' / 19.05 MPH	0.23	-0.02	

NORTHEAST LEG FASTEST PATHS			F VALUE	E VALUE
R1	171.56' / 24.49 MPH	0.23	-0.02	
R2	64.52' / 16.74 MPH	0.23	-0.02	
R3	253.42' / 28.52 MPH	0.23	-0.02	
R4	57.43' / 16.00 MPH	0.23	-0.02	
R5	63.94' / 16.69 MPH	0.23	-0.02	



SOUTHWEST LEG FASTEST PATHS			F VALUE	E VALUE
R1	141.36' / 22.71 MPH	0.23	-0.02	
R2	66.11' / 16.90 MPH	0.23	-0.02	
R3	271.49' / 29.31 MPH	0.23	-0.02	
R4	35.80' / 13.32 MPH	0.23	-0.02	
R5	96.92' / 19.61 MPH	0.23	-0.02	

SOUTHEAST LEG FASTEST PATHS			F VALUE	E VALUE
R1	156.65' / 23.63 MPH	0.23	-0.02	
R2	80.79' / 18.27 MPH	0.23	-0.02	
R3	257.20' / 28.69 MPH	0.23	-0.02	
R4	57.26' / 15.99 MPH	0.23	-0.02	
R5	94.34' / 19.40 MPH	0.23	-0.02	

UNPLATTED

LOT 80

NOTE:
 ROUNDABOUT-4 WAS DESIGNED USING THE
 CIVIL 3D VEHICLE TRACKING CONTROL PROGRAM.
 USING FHWA 2010: RURAL SINGLE LANE
 ROUNDABOUT CRITERIA.

ROUNDABOUT - 4

48 HOURS BEFORE YOU DIG,
 CALL UTILITY LOCATORS
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 UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	REVISION	DATE

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

(Professional Seal)

MARC A. WILSON, COLORADO P.E. #37155

DATE: 9/17/18

CLASSIC
 CONSULTING
 ENGINEERS & SURVEYORS

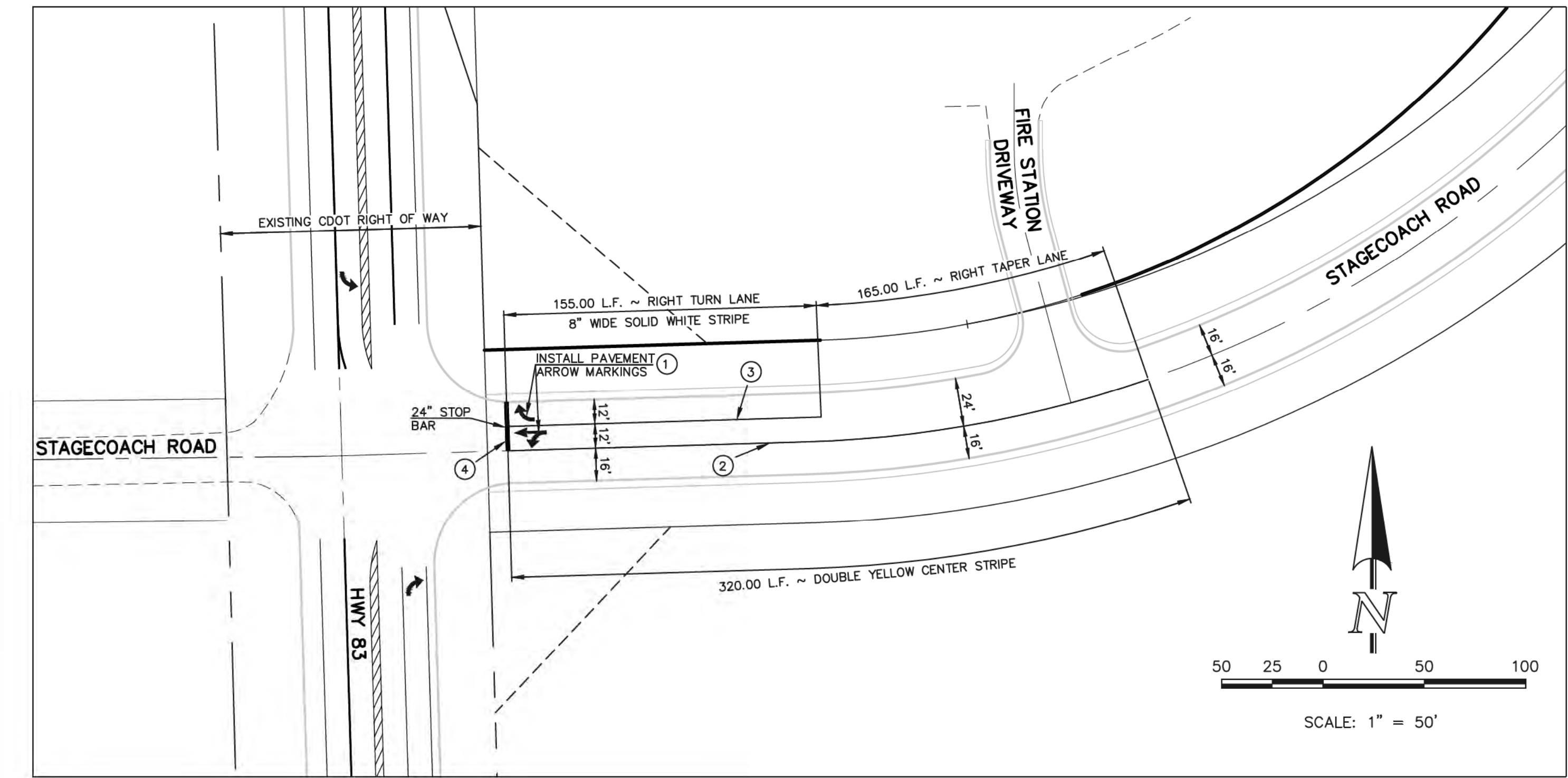
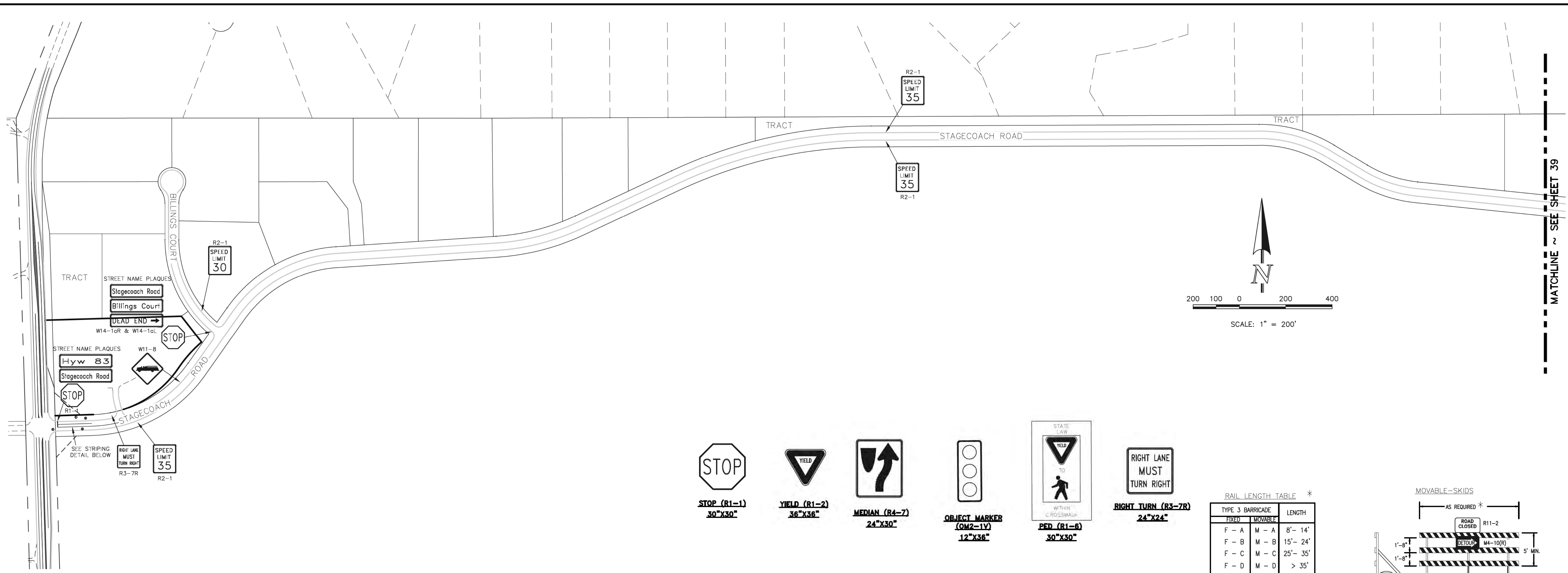
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
 STREET IMPROVEMENT PLAN
 ROUNDABOUT-4
 FASTEST PATHS

DESIGNED BY	PRA	SCALE	DATE
			08-11-17
DRAWN BY	PRA	(H) 1" = 20'	SHEET 37 OF 45
CHECKED BY	(V) 1" = N/A	JOB NO.	1096.11

N:\109611\DRAWINGS\CONSTRUCTION\109611-51-37.dwg, 9/14/2018 8:35:13 AM, 1:1

MATCHLINE ~ SEE SHEET 39



STOP (R1-1)
30"X30"

YIELD (R1-2)
36"X36"

MEDIAN (R4-7)
24"X30"

OBJECT MARKER (OM2-1V)
12"X36"

PED (R1-6)
30"X30"

RIGHT LANE MUST TURN RIGHT (R3-7R)
24"X24"

Street Name (D-3)
STREET NAME (D-3)

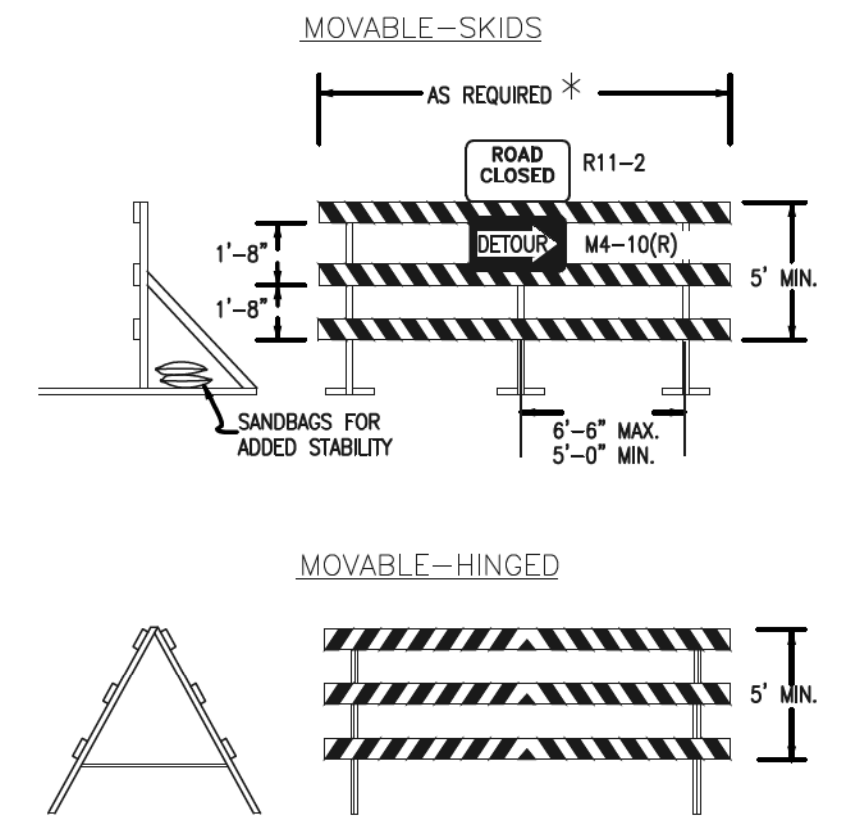
SPEED LIMIT (R2-1)
24"X30"

ROUNDABOUT (W2-6)
(13-1 (20))
30"X30"

RAIL LENGTH TABLE *

TYPE 3 BARRICADE		LENGTH
FIXED	MOVABLE	
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'

- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
 - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
 - DETACHABLE EXTENSION WING RAILS FOR BYPASSING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE ADEQUATE TO CLOSE THE BORROW PIT AND/OR SHOULDER AS REQUIRED.



TYPICAL TYPE 3 BARRICADES

NOTE TO CONTRACTOR
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SEE SHEETS 38-40 FOR SIGNAGE PLANS

STRIPING LEGEND

STRIPE	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	ARROW MARKINGS (THERMO)	SOLID WHITE, 12" WIDE
2	CENTER STRIPING (EPOXY)	SOLID DOUBLE YELLOW, 4" WIDE, 3" GAP
3	CHANNELIZING LINE (EPOXY)	SOLID WHITE, 8" WIDE
4	STOP BAR (THERMO)	SOLID WHITE, 24" WIDE, 24' LONG

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1

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NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	7-10-18

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

DATE: 9/17/18

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
CONSTRUCTION DRAWINGS
STRIPING & SIGNAGE INDEX MAP

DESIGNED BY	PRA	SCALE	DATE
		(H) 1" = 200'	05-02-18

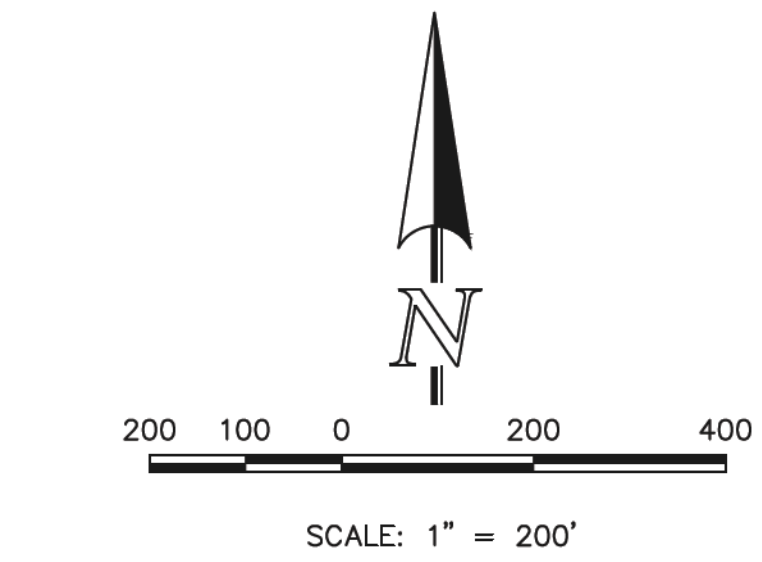
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CHECKED BY	SCALE	JOB NO.
	(V) 1" = N/A	1096.11

N:\109611\DRAWINGS\CONSTRUCTION\109611-S-38 STRIPING-0100.dwg, 9/14/2018 8:36:25 AM, 1:1

MATCHLINE ~ SEE SHEET 38

MATCHLINE ~ SEE SHEET 40



PERMANENT TYPE 3 BARRICADE & CM4-2

TRACT R2-1 SPEED LIMIT 30

SEE SHEET 27 FOR ROUNDABOUT SIGNAGE

R2-1 SPEED LIMIT 30

SEE SHEET 30 FOR ROUNDABOUT SIGNAGE

R2-1 SPEED LIMIT 35

R2-1 SPEED LIMIT 35

SEE SHEET 33 FOR ROUNDABOUT SIGNAGE

SPEED LIMIT 35 R2-1

R2-1 SPEED LIMIT 35

TRACT

R2-1 SPEED LIMIT 35

Shortwall Drive

Long Wall Drive

NO OUTLET → W14-2aR & W14-2aL STREET NAME PLAQUES

R2-1 SPEED LIMIT 25

Shortwall Drive

Quartz Creek Drive

NO OUTLET → (TEMPERARY) W14-2aR & W14-2aL STREET NAME PLAQUES

R2-1 SPEED LIMIT 25

Long Wall Drive

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

STOP

Gold Run Court

Long Wall Drive

STREET NAME PLAQUES R1-1

ROAD CLOSED TO THRU TRAFFIC

TEMPERARY TYPE 3 BARRICADE & R11-4

FUTURE DEVELOPMENT

ROAD CLOSED TO THRU TRAFFIC

TEMPERARY TYPE 3 BARRICADE & R11-4

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NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	7-10-18

REVIEW:
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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

9/17/18

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (fax)

FLYING HORSE NORTH FILING NO. 1
CONSTRUCTION DRAWINGS
STRIPING & SIGNAGE INDEX MAP

DESIGNED BY	PRA	SCALE	DATE	05-02-18
DRAWN BY	PRA	(H) 1" = 200'	SHEET	39 OF 45
CHECKED BY	(V)	1" = N/A	JOB NO.	1096.11

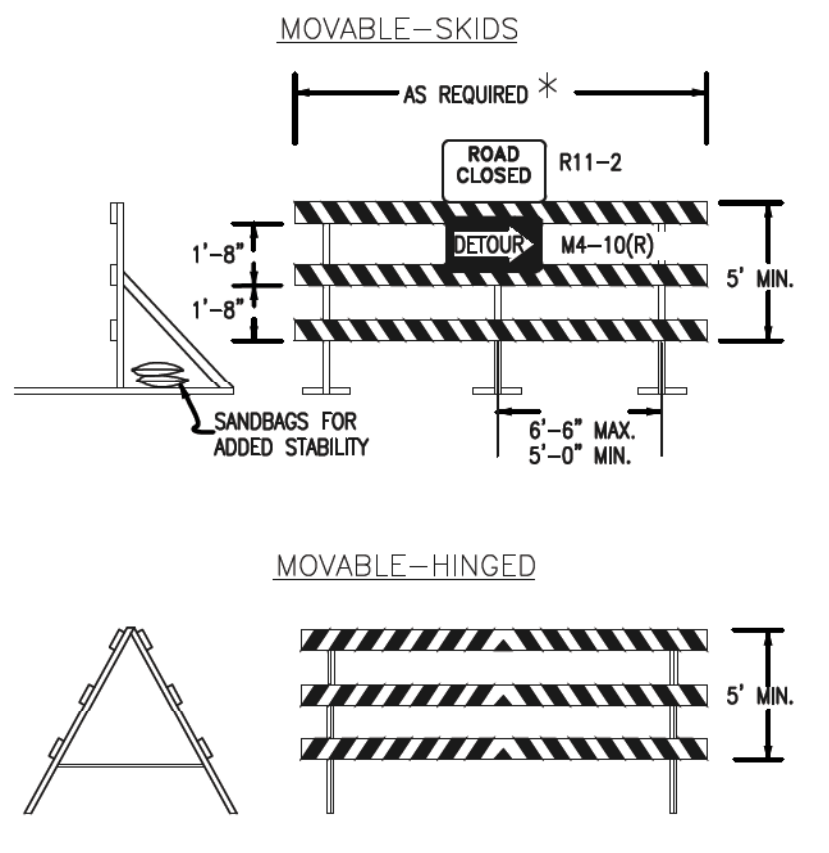
CLASSIC
ENGINEERS & SURVEYORS

N:\109611\DRAWINGS\CONSTRUCTION\109611-SI-39-STRIPING-0101.dwg, 9/14/2018 8:37:55 AM, 1:1

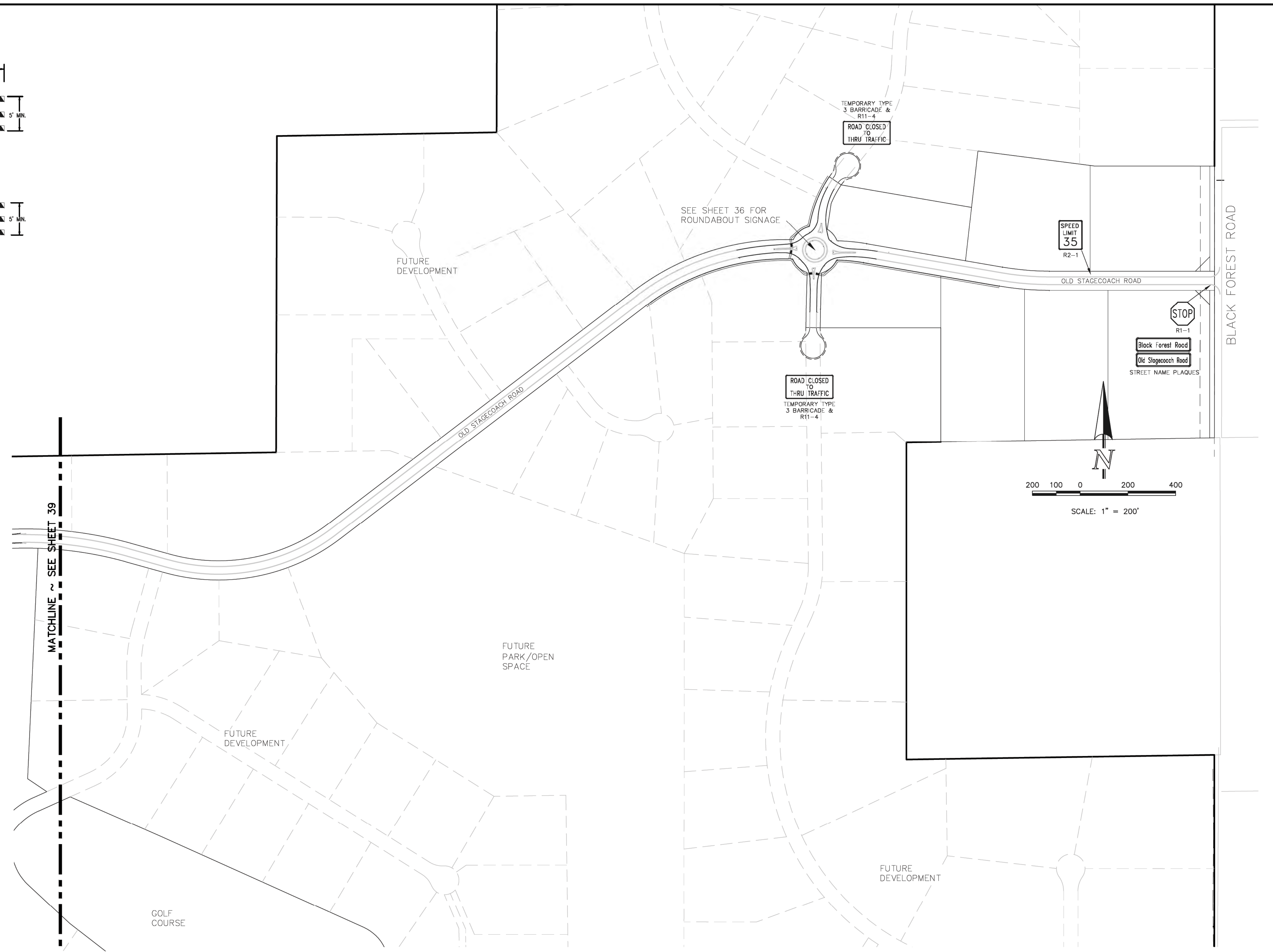
RAIL LENGTH TABLE *

TYPE 3 BARRICADE		LENGTH
FIXED	MOVABLE	
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'

- NOTES
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TYPICAL TYPE 3 BARRICADES



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NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	7-10-18

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

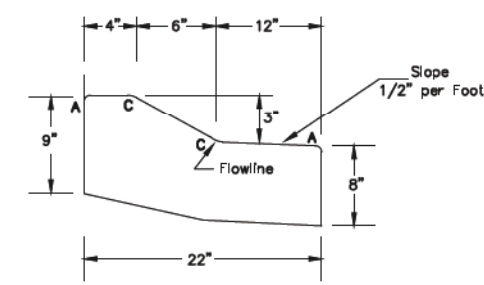
9/17/18

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

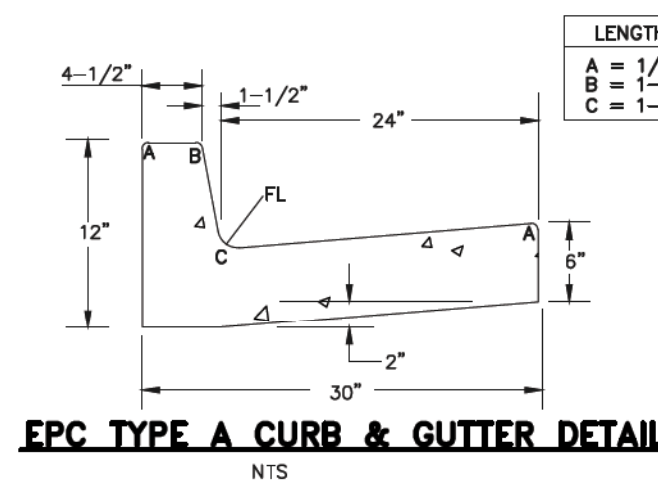
(719) 785-0790
(719) 785-0799 (fax)

FLYING HORSE NORTH FILING NO. 1
CONSTRUCTION DRAWINGS
STRIPING & SIGNAGE INDEX MAP

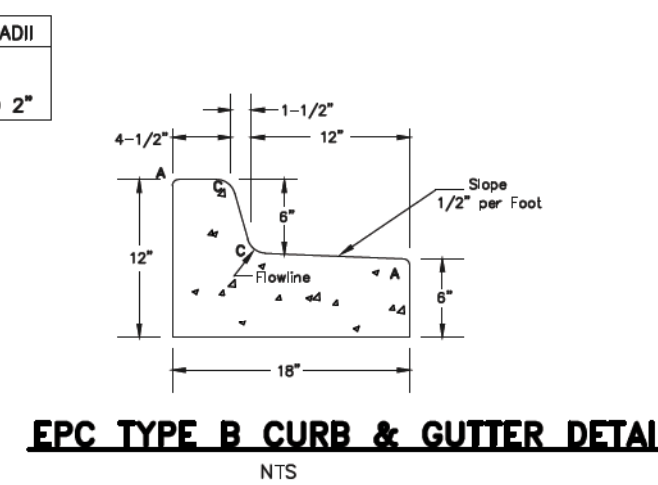
DESIGNED BY	PRA	SCALE	DATE
			05-02-18
DRAWN BY	PRA	(H) 1" = 200'	SHEET 40 OF 45
CHECKED BY	(V) 1" = N/A	JOB NO.	1096.11



ROUND-ABOUT CENTER ISLAND CURB & GUTTER DETAIL
NTS



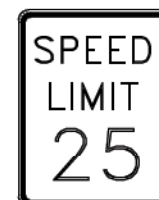
EPC TYPE A CURB & GUTTER DETAIL
NTS



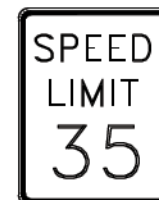
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NTS



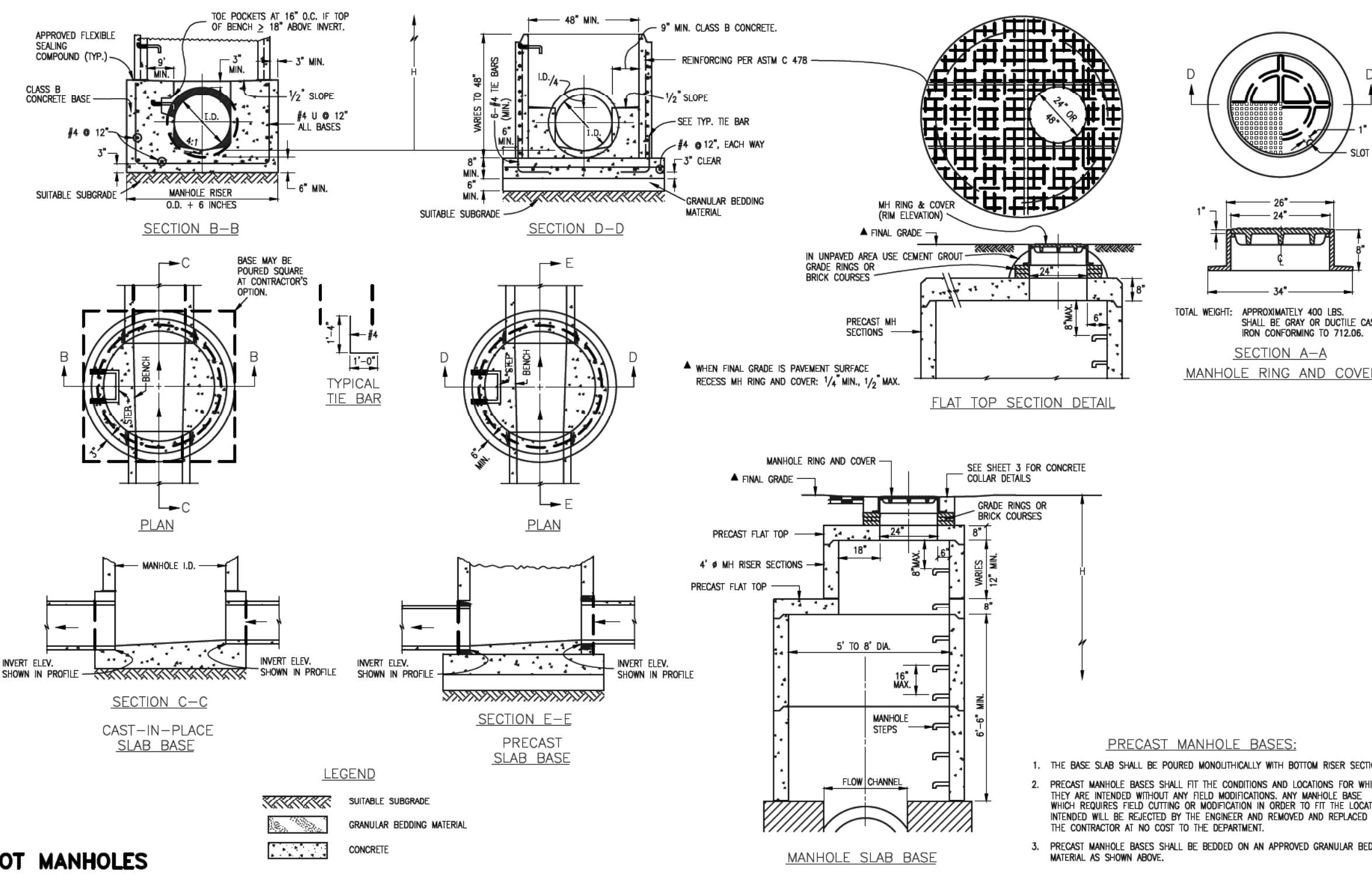
CDOT R1-1 STOP SIGN



CDOT R2-1 SPEED LIMIT SIGN
(LOCAL RES. STREETS)



CDOT R2-1 SPEED LIMIT SIGN
(COLLECTOR STREETS)



CDOT MANHOLES
STD. PLAN NO: M-604-20



- PRECAST MANHOLE BASES:**
1. THE BASE SLAB SHALL BE POURED MONOLITHICALLY WITH BOTTOM RISER SECTION.
 2. PRECAST MANHOLE BASES SHALL FIT THE CONDITIONS AND LOCATIONS FOR WHICH THEY ARE INTENDED WITHOUT ANY FIELD MODIFICATIONS. ANY MANHOLE BASE WHICH REQUIRES FIELD CUTTING OR MODIFICATION IN ORDER TO FIT THE LOCATIONS INTENDED WILL BE REJECTED BY THE ENGINEER AND REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
 3. PRECAST MANHOLE BASES SHALL BE BEDDED ON AN APPROVED GRANULAR BEDDING MATERIAL AS SHOWN ABOVE.

48 HOURS BEFORE YOU DIG,
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811

UTILITY NOTIFICATION OF COLORADO
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NO. REVISION	DATE

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37155

MARC A. WHORTON, COLORADO P.E. #37155

DATE: 9/17/18

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1
CONSTRUCTION PLANS
DETAIL SHEET

DESIGNED BY	MAW	SCALE	DATE	12-12-17
DRAWN BY	MAW	(H) 1" = N/A	SHEET	45 OF 45
CHECKED BY	(V) 1" = N/A	JOB NO.	1096.11	

