

N:\109611\DRAWINGS\CONSTRUCTION\109611-S-01 - STREETS ONLY.dwg, 7/29/2018 1:39:15 PM, 1:1

GENERAL CONSTRUCTION NOTES:

1. 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 LOCATED AND PRESERVE ANY AND ALL UTILITIES.
2. BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
3. 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.
4. 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.
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
6. 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.
7. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C.
8. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
9. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
10. 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.
11. 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.
12. 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
13. 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:

1. 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.
2. 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).
3. 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:
  - a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - d. CDOT M & S STANDARDS
4. 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 VERSIONS 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.
5. 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.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
10. 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.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. 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.

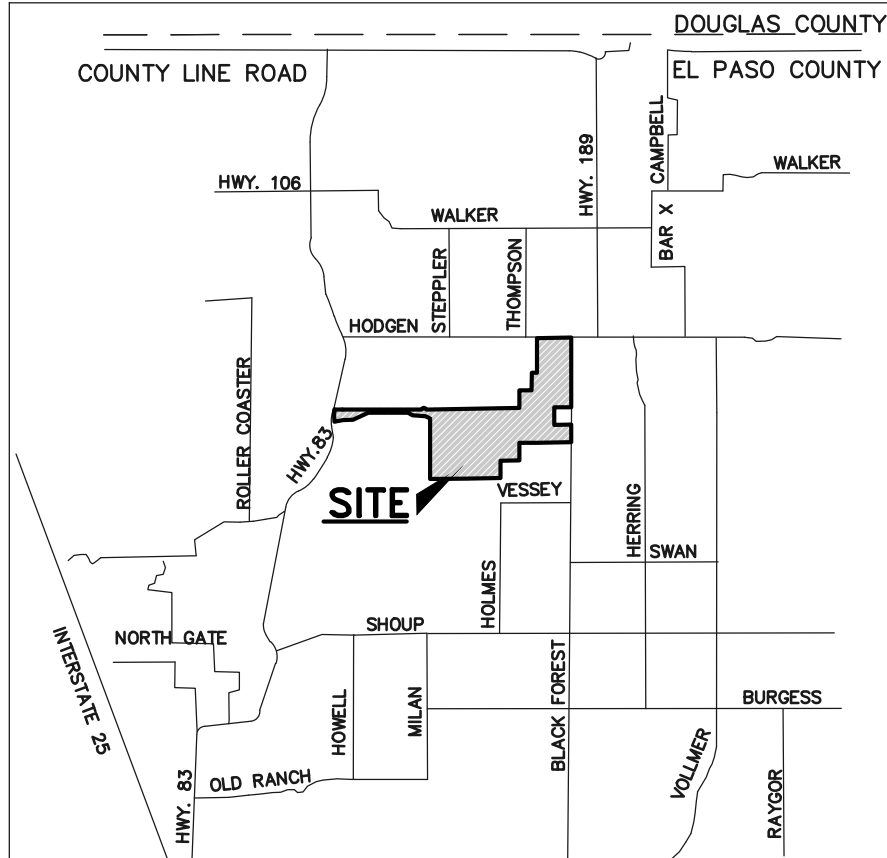
SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. 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.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. 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.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. 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."
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. 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 SUBBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. 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.
12. 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.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. 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.

BENCHMARKS

1. 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
2. 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

FLYING HORSE NORTH FILING NO. 1  
COUNTY OF EL PASO, STATE OF COLORADO  
STREET IMPROVEMENT PLANS  
JULY 2018



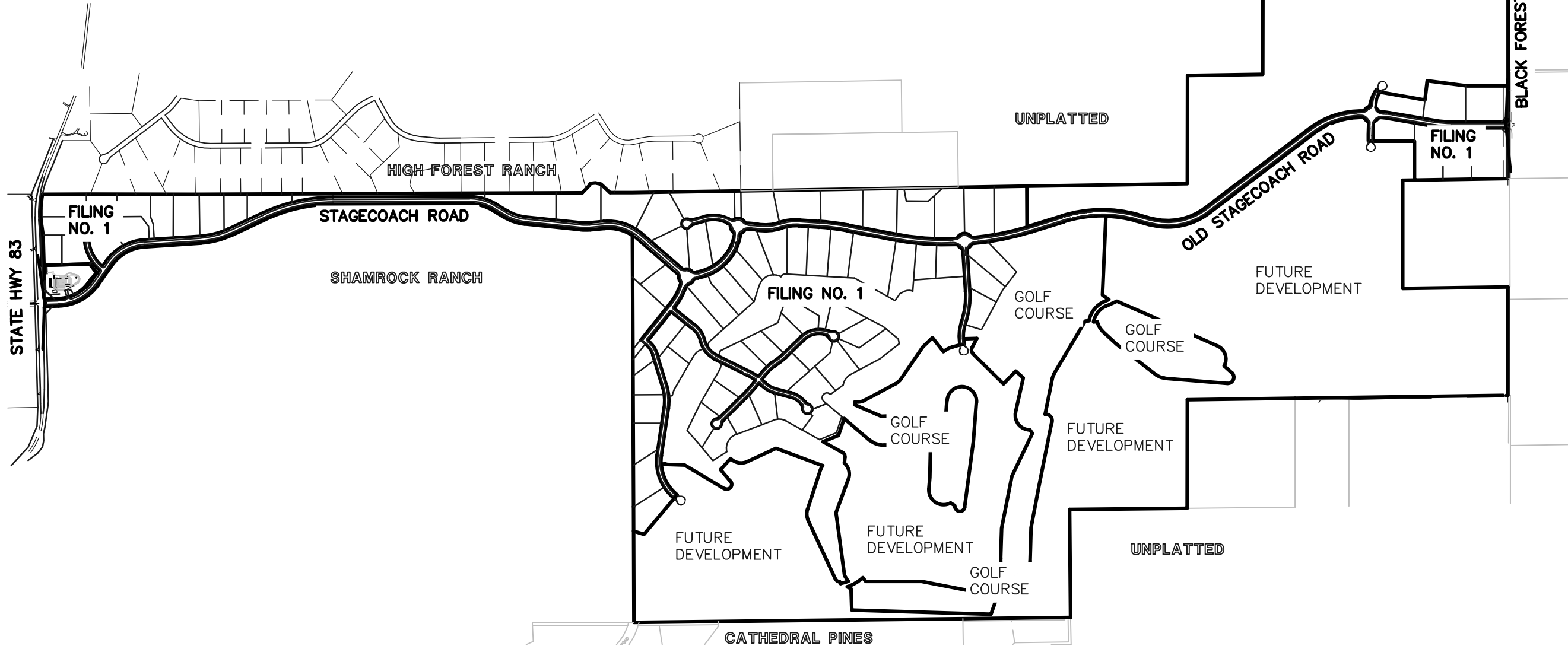
VICINITY MAP  
N.T.S.

**SHEET INDEX**

SHEET 1 OF 41	TITLE SHEET
SHEET 2 OF 41	INDEX SHEET
SHEET 2A OF 41	TYPICAL ROADWAY SECTIONS
SHEETS 3-17 OF 41	STAGECOACH RD. / OLD STAGECOACH RD. / SHORTWALL DR. PLAN AND PROFILES
SHEETS 18-25 OF 41	LOCAL ROAD PLAN AND PROFILES
SHEETS 26-37 OF 41	ROUND-ABOUT PLANS
SHEETS 38-40 OF 41	STRIPING AND SIGNAGE PLANS
SHEETS 41 OF 41	DETAIL SHEET

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8/16/18 The submitted document contains 45 total sheets



KEY MAP  
SCALE: N.T.S.

**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 NEGLIGENT 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

DATE \_\_\_\_\_

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

MR. DREW BALSICK  
PRI #2

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.

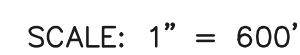
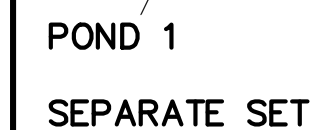
JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE \_\_\_\_\_

<div>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</div> <div>811</div> <div>UTILITY NOTIFICATION OF COLORADO IT'S THE LAW</div> <div>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.</div>	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	<div><div>CLASSIC<sup>SM</sup></div><div>CONSULTING ENGINEERS &amp; SURVEYORS</div></div> <div>619 N. Cascade Avenue, Suite 200 (719)785-0790 Colorado Springs, Colorado 80903 (719)785-0799(Fax)</div>	FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLANS TITLE SHEET			<div>CLASSIC<sup>SM</sup></div> <div>ENGINEERS &amp; SURVEYORS</div>		
	1	REVISED PER COUNTY COMMENTS	4-4-18				DESIGNED BY	MAW	SCALE		DATE	10-2-17
	2	REVISED PER COUNTY COMMENTS	7-30-18				DRAWN BY	MAW	(H) 1"= N/A		SHEET 1 OF 41	
							CHECKED BY		(V) 1"= N/A		JOB NO.	1096.11



DETENTION POND SHEETS



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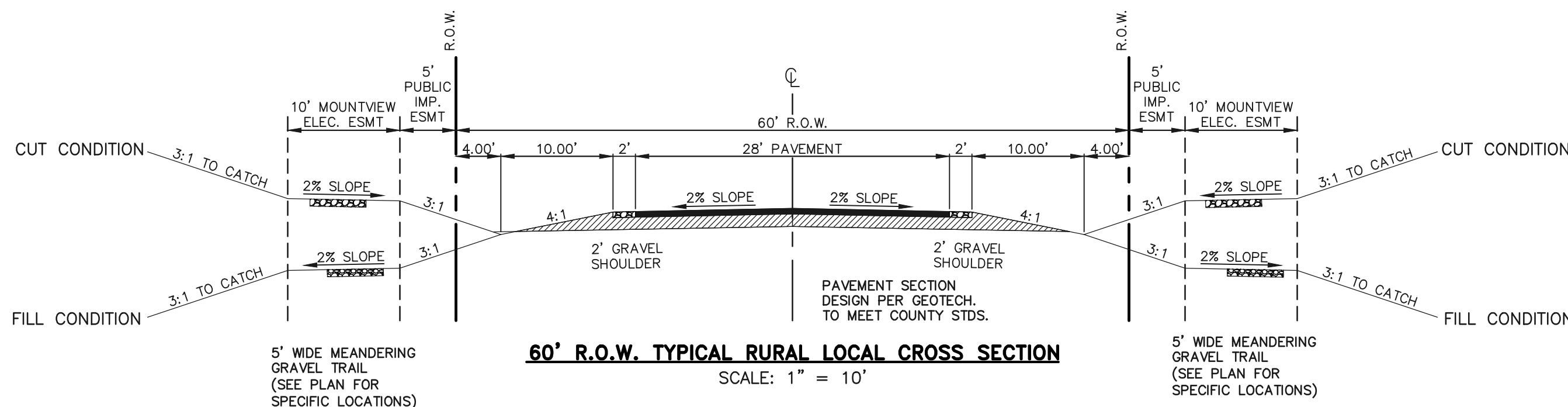
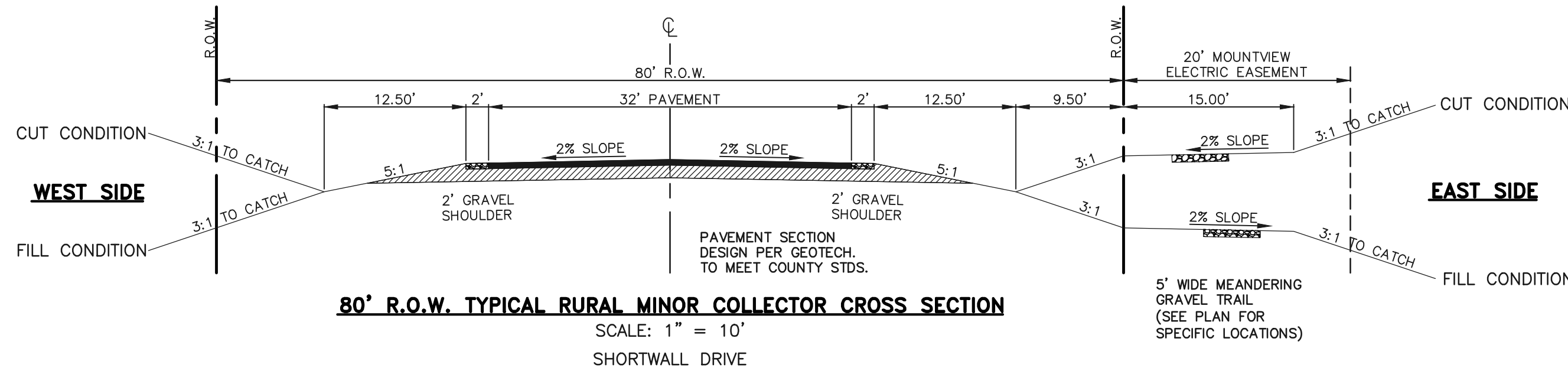
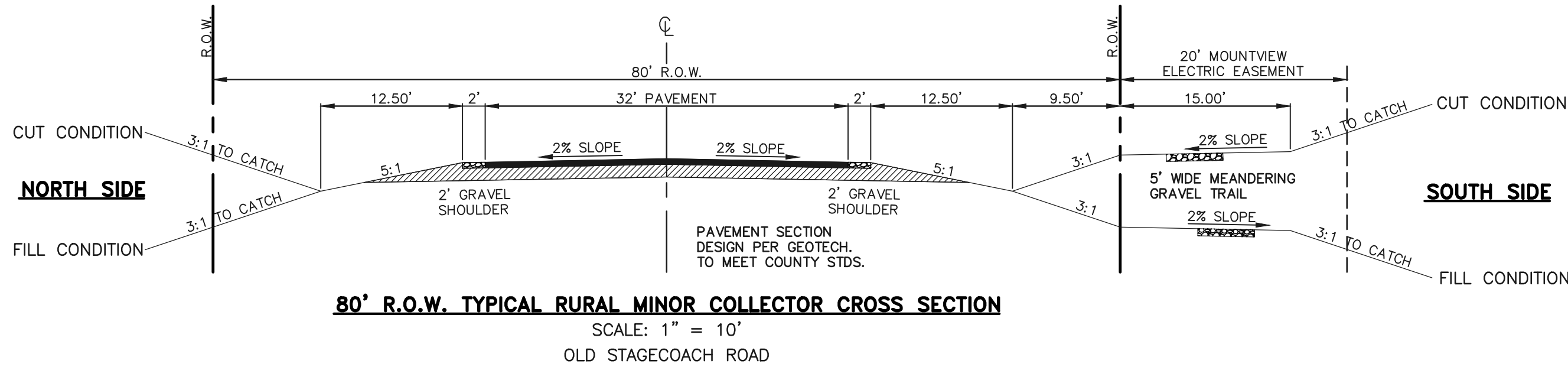
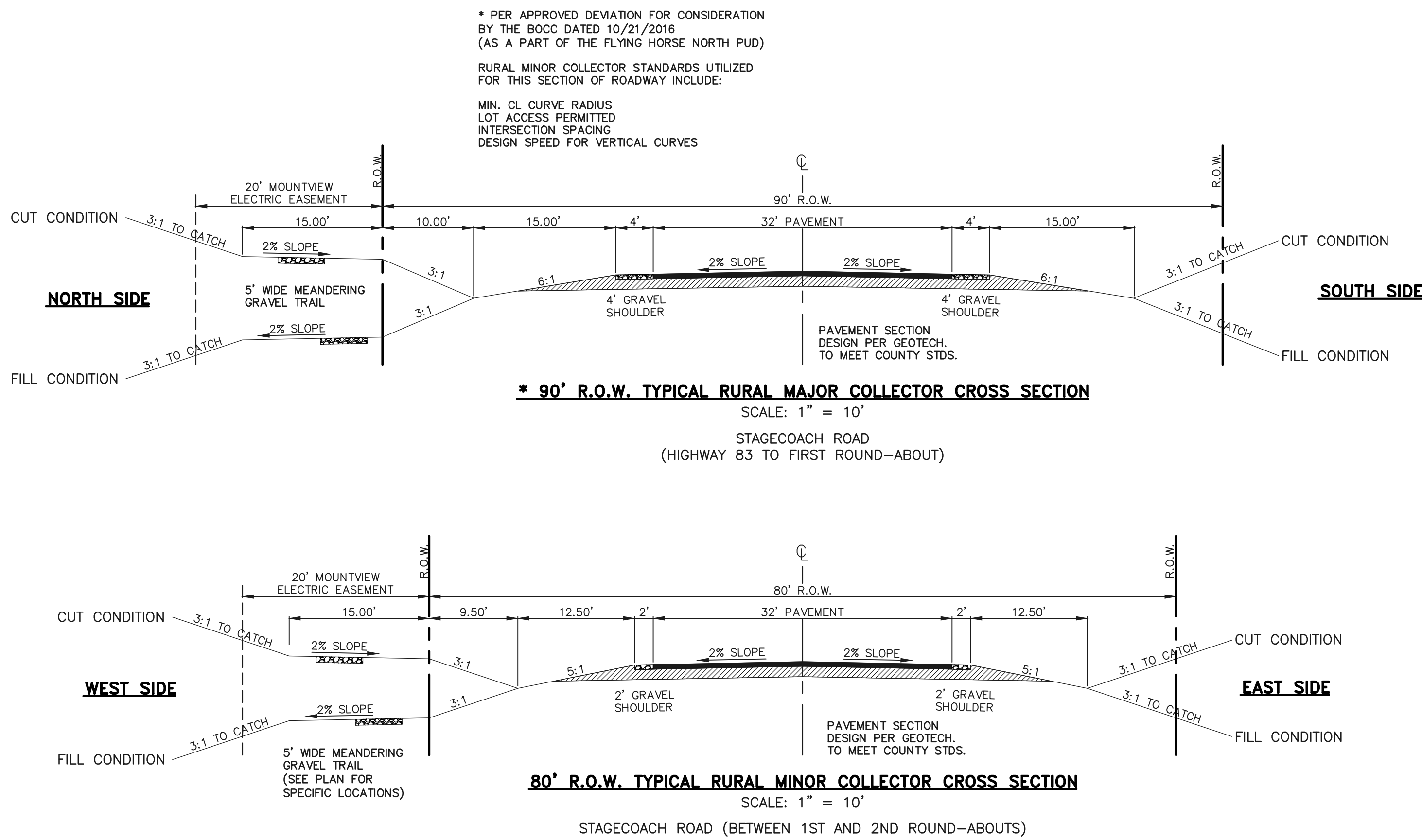
MARC A. WHORTON, COLORADO P.E. #37155



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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. WHORTON, COLORADO P.E. #37155

DATE



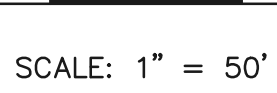
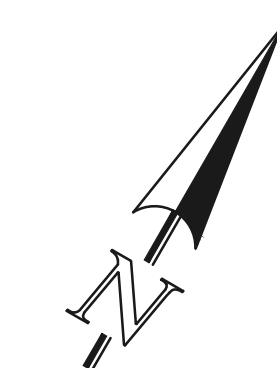
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(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
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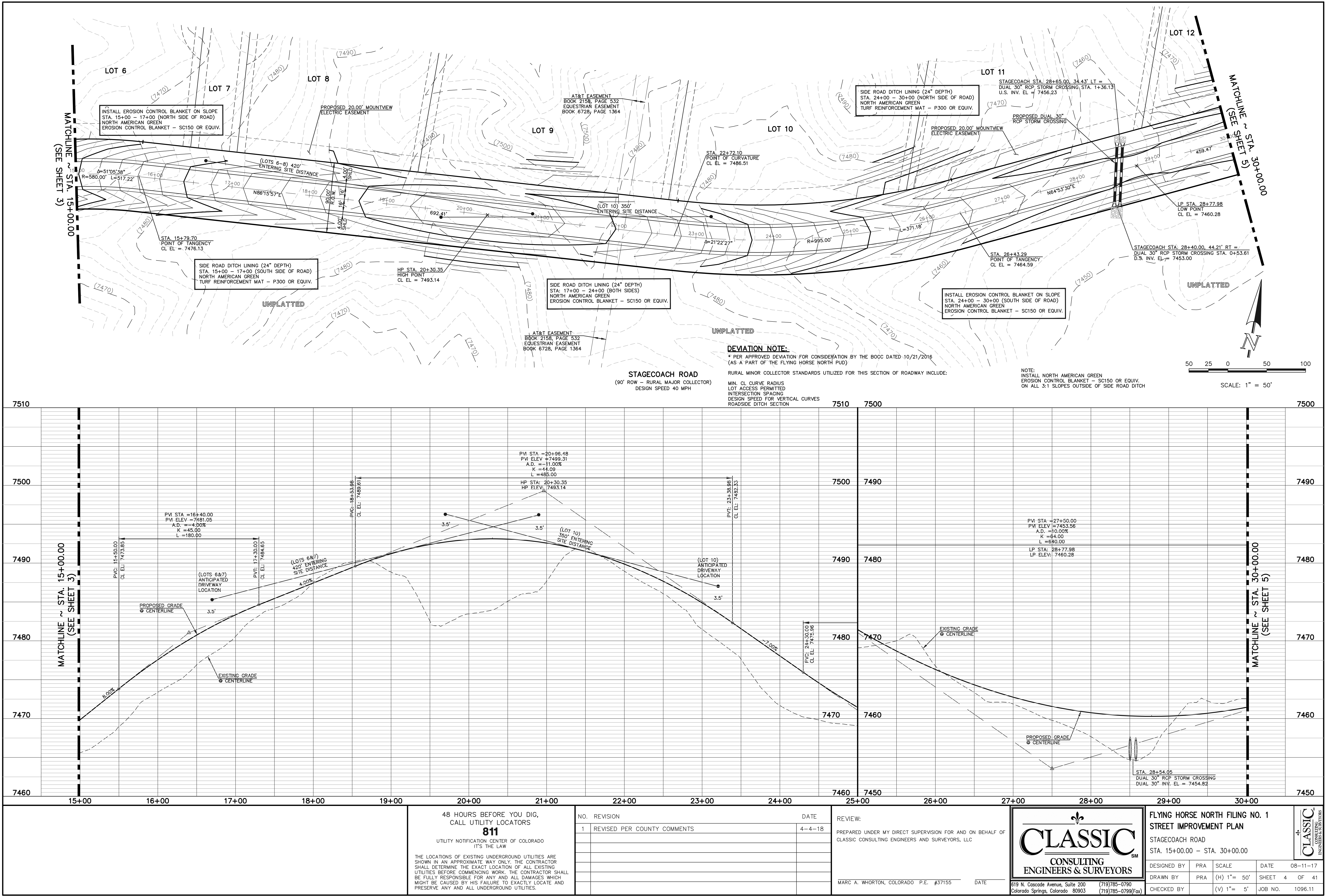
CLASSIC  
CONSULTING ENGINEERS & SURVEYORS



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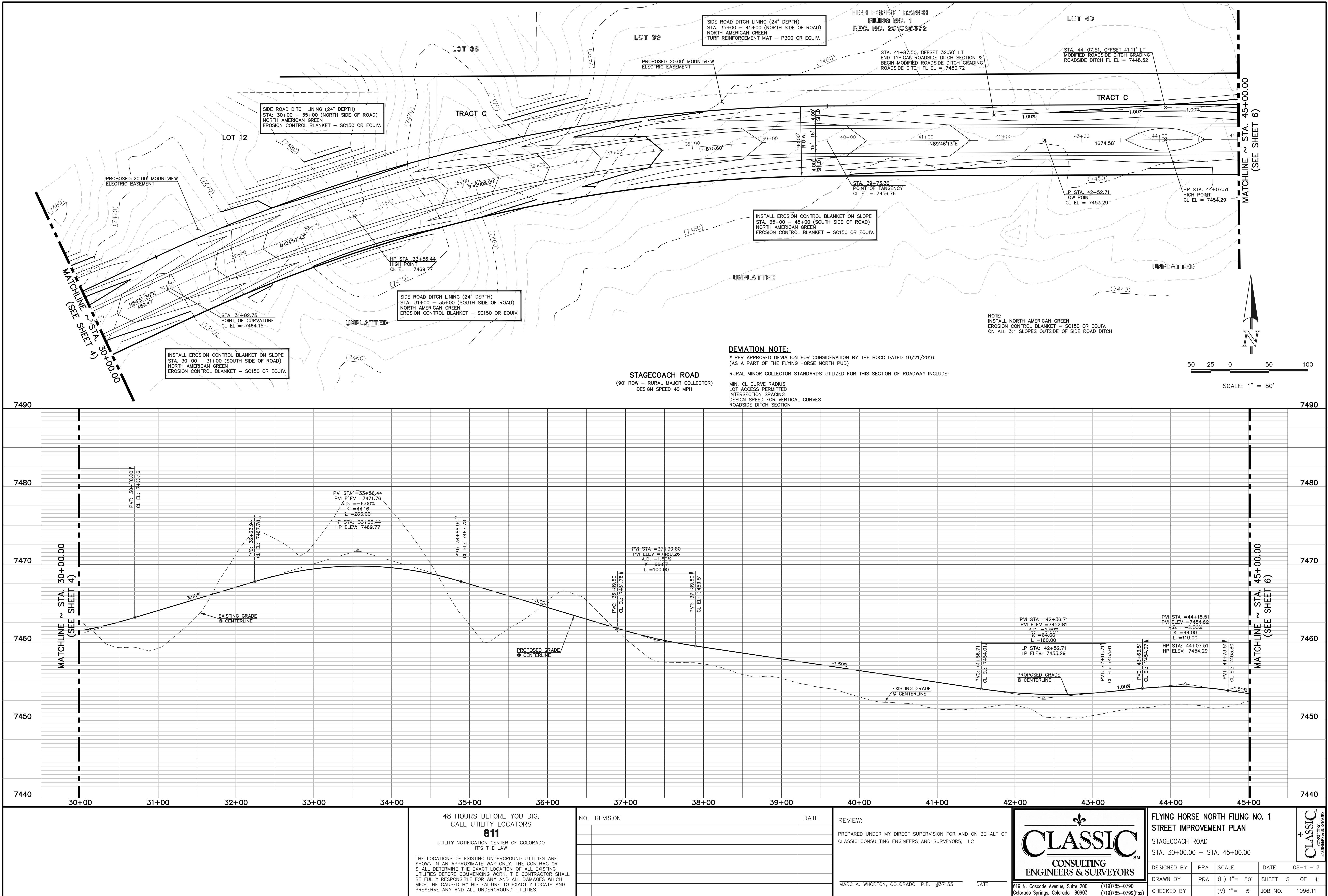
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
STAGECOACH ROAD  
STA. 15+00.00 - STA. 30+00.00

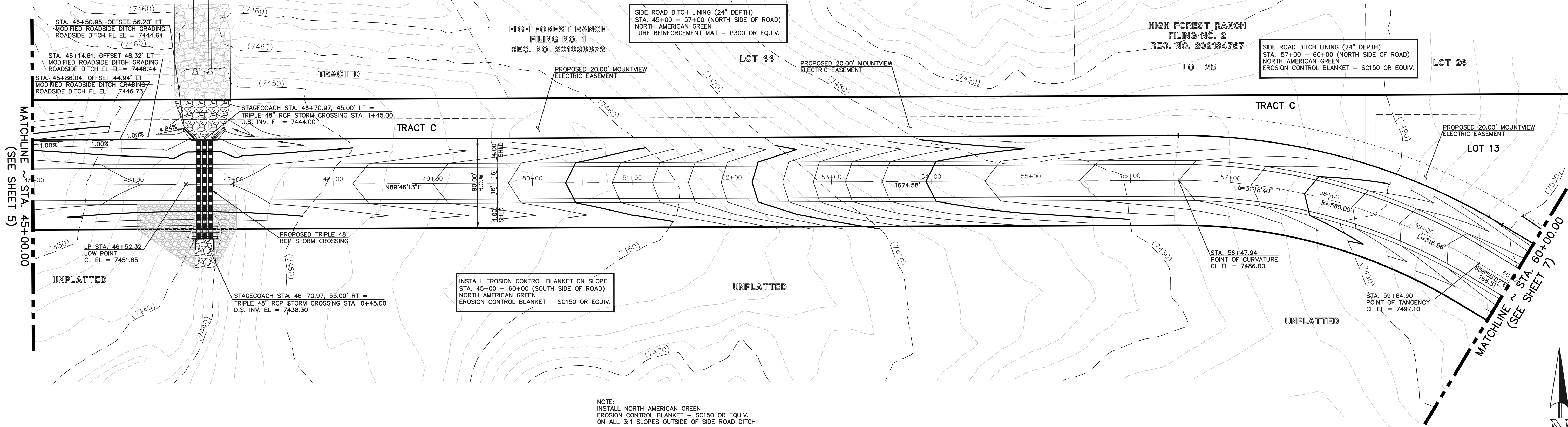
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NOTE:  
INSTALL NORTH AMERICAN GREEN  
EROSION CONTROL BLANKET - SC150 OR EQUIV.  
ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

#### DEVIATION NOTE:

\* PER APPROVED DEVIATION FOR CONSIDERATION BY THE BOCC DATED 10/21/2016  
(AS A PART OF THE FLYING HORSE NORTH PUD)

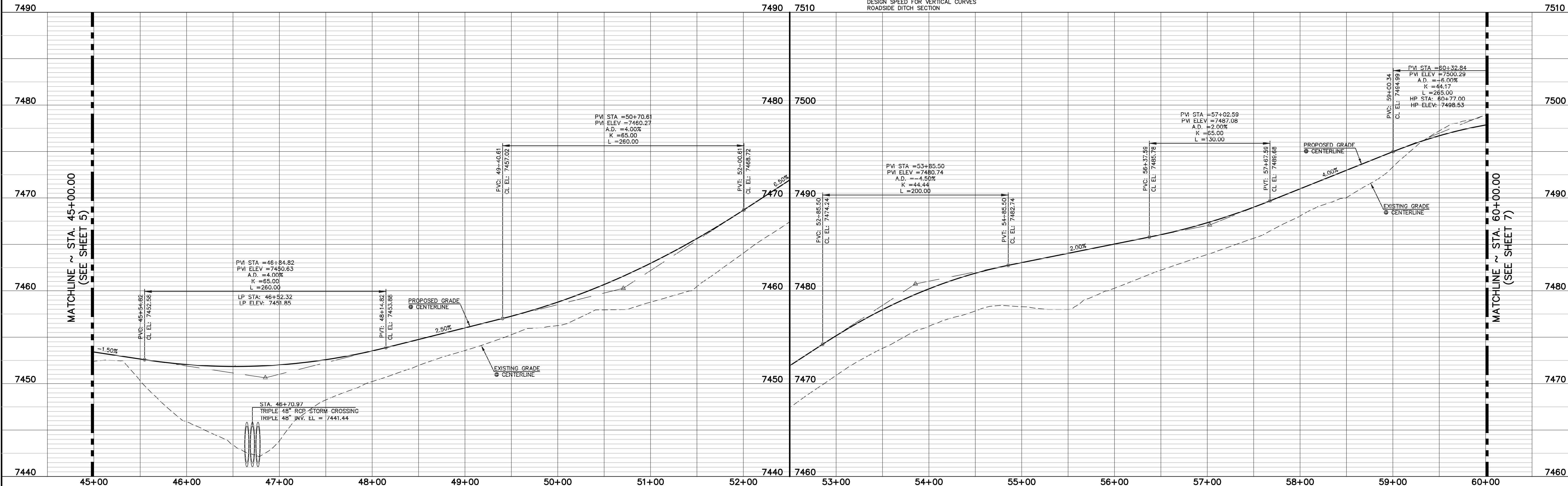
RURAL MINOR COLLECTOR STANDARDS UTILIZED FOR THIS SECTION OF ROADWAY INCLUDE:

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

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

50 25 0 50 100

SCALE: 1" = 50'



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

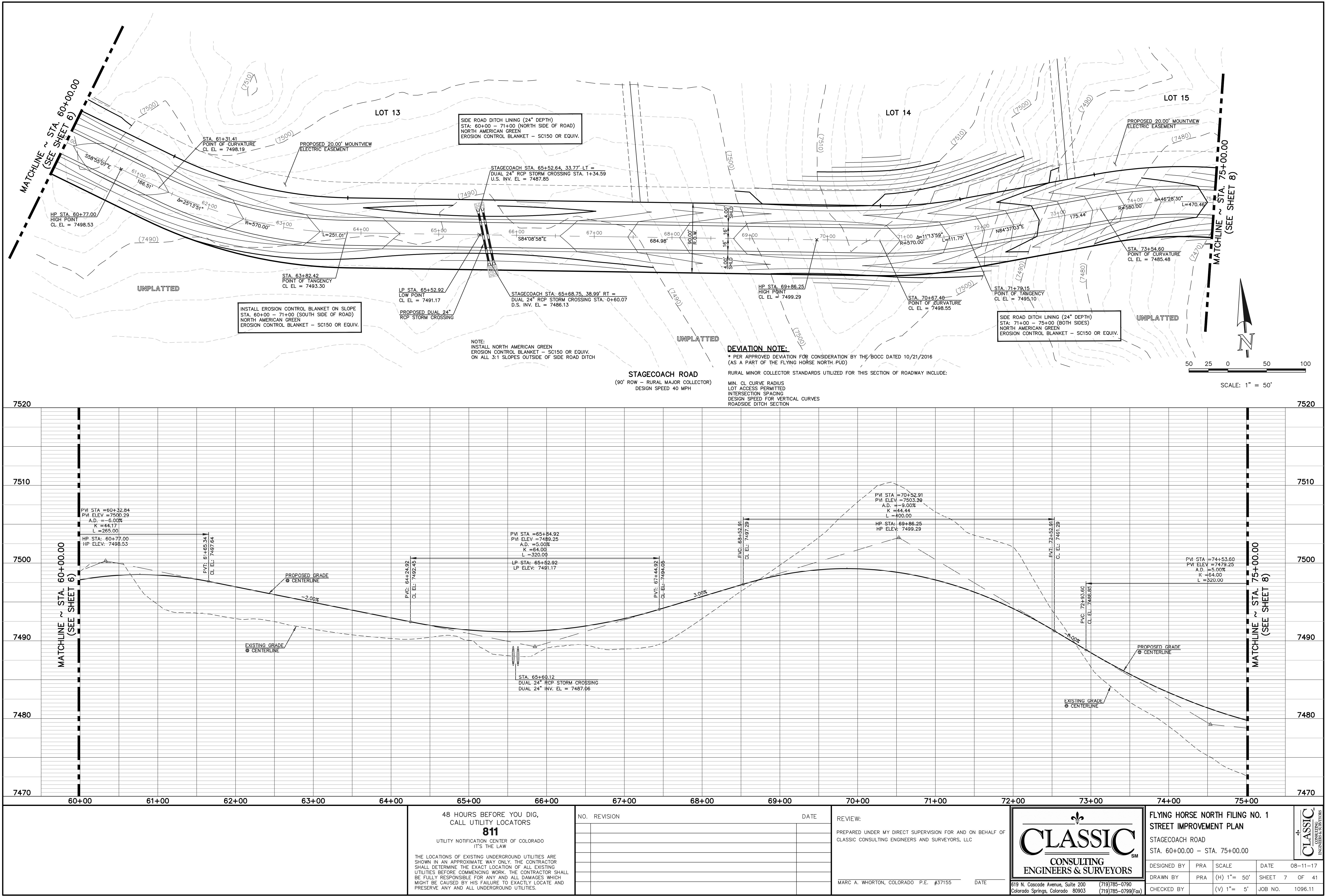
FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
STAGECOACH ROAD  
STA. 45+00.00 - STA. 60+00.00

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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

**CLASSIC**  
CONSULTING  
ENGINEERS & SURVEYORS

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

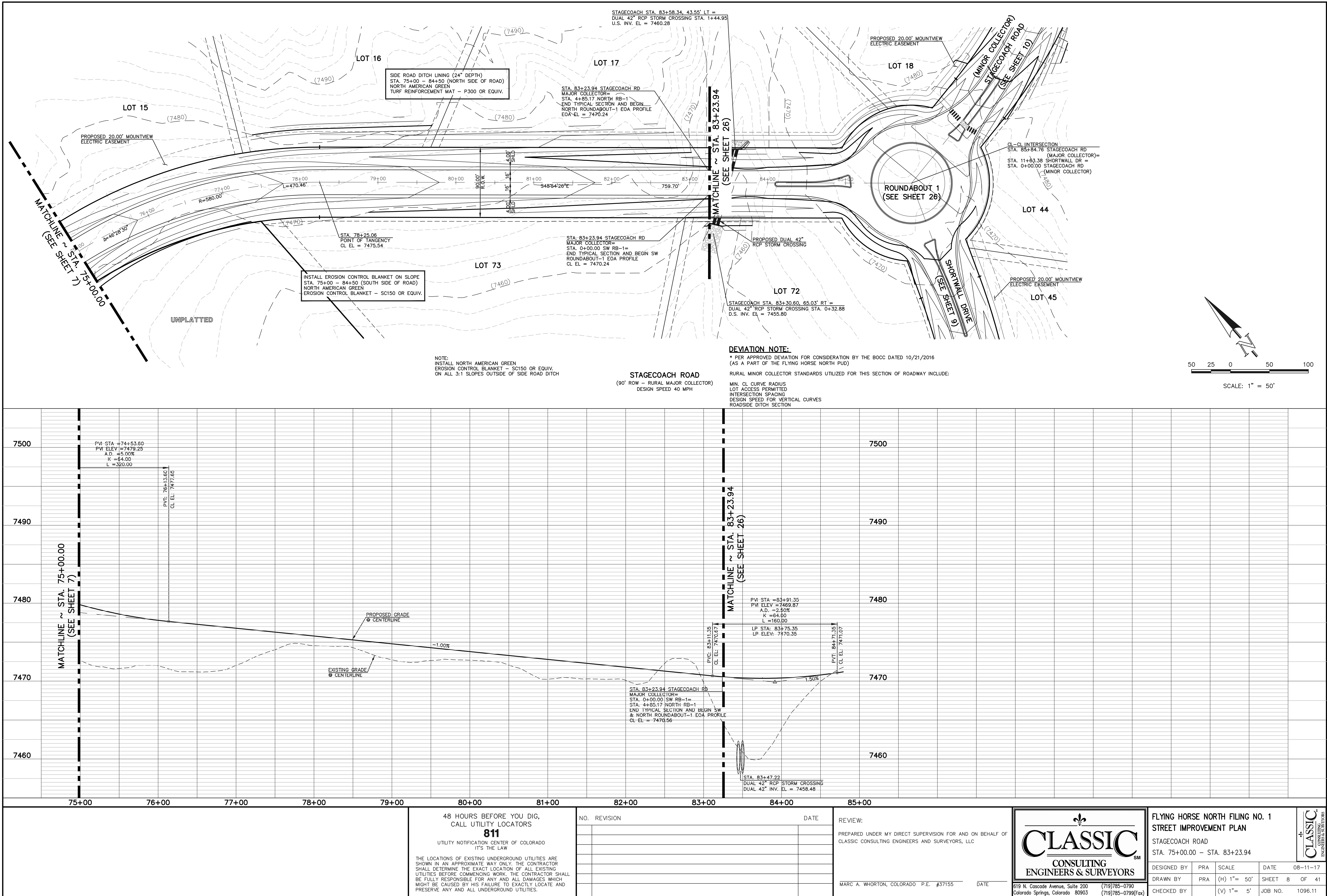
(719) 785-0790  
(719) 785-0799 (Fax)

FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
STAGECOACH ROAD  
STA. 60+00.00 - STA. 75+00.00

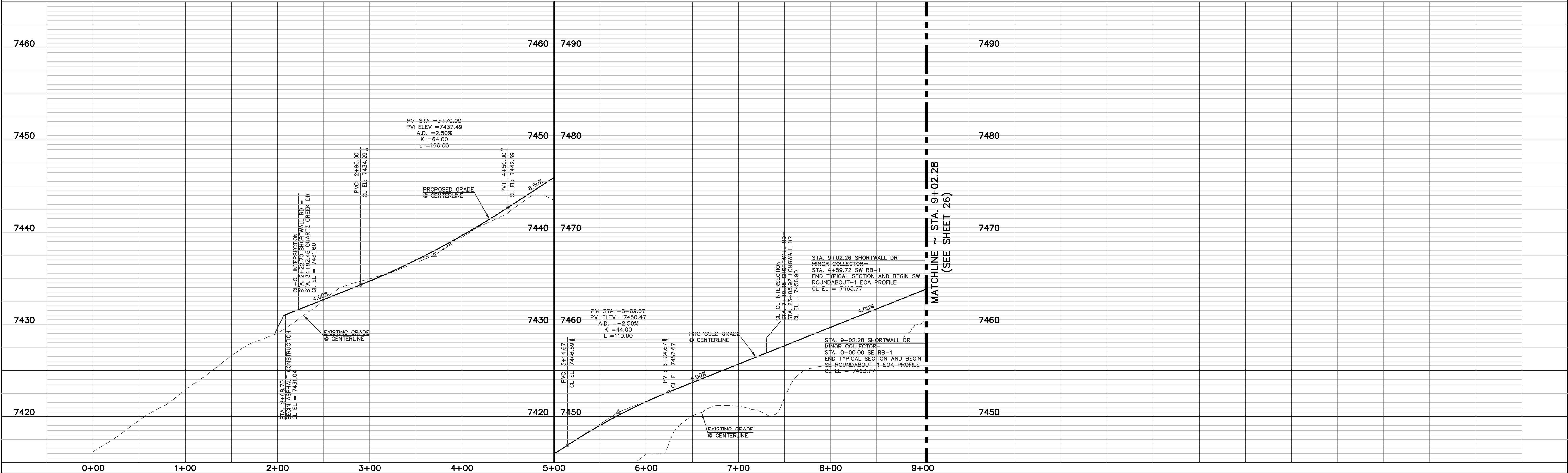
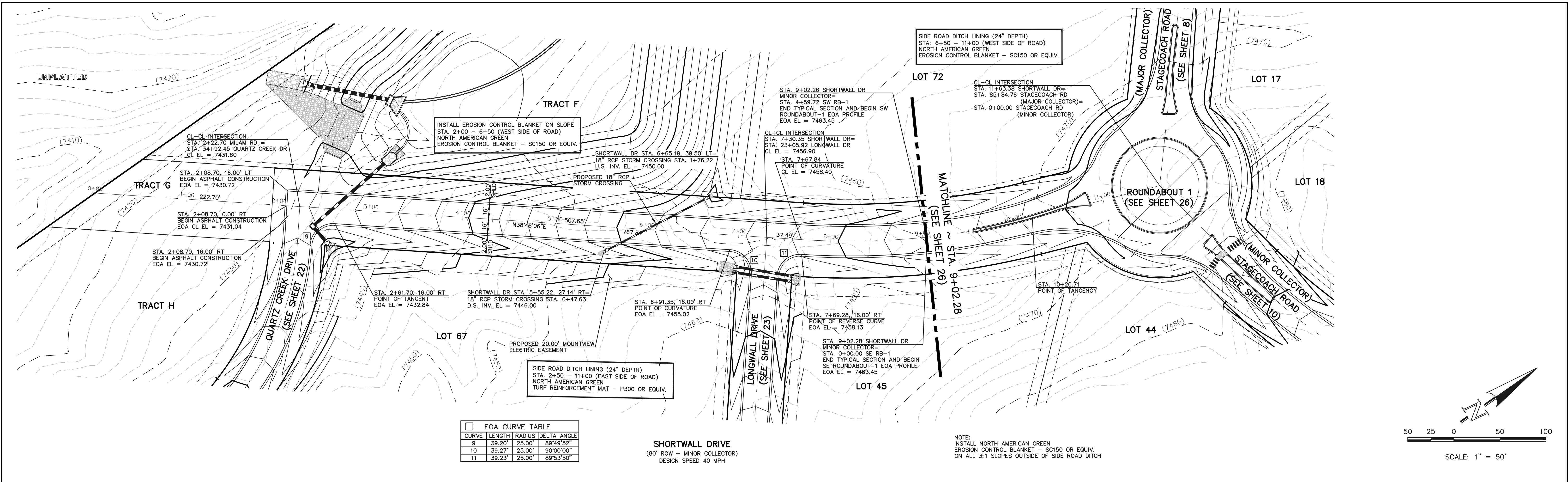
DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET	7 OF 41
CHECKED BY		(V) 1"= 5'	JOB NO.	1096.11



N:\109611\DRAWINGS\CONSTRUCTION\109611-S-08.dwg, 8/2/2016 5:00:00 PM, 1:1



N:\109611\DRAWINGS\CONSTRUCTION\109611-S-09.dwg, 8/2/2016 5:45:14 PM, 1:1



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW		NO. REVISION		DATE		REVIEW:	
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						MARC A. WHORTON, COLORADO P.E. #37155	
						DATE	

CLASSIC CONSULTING ENGINEERS & SURVEYORS

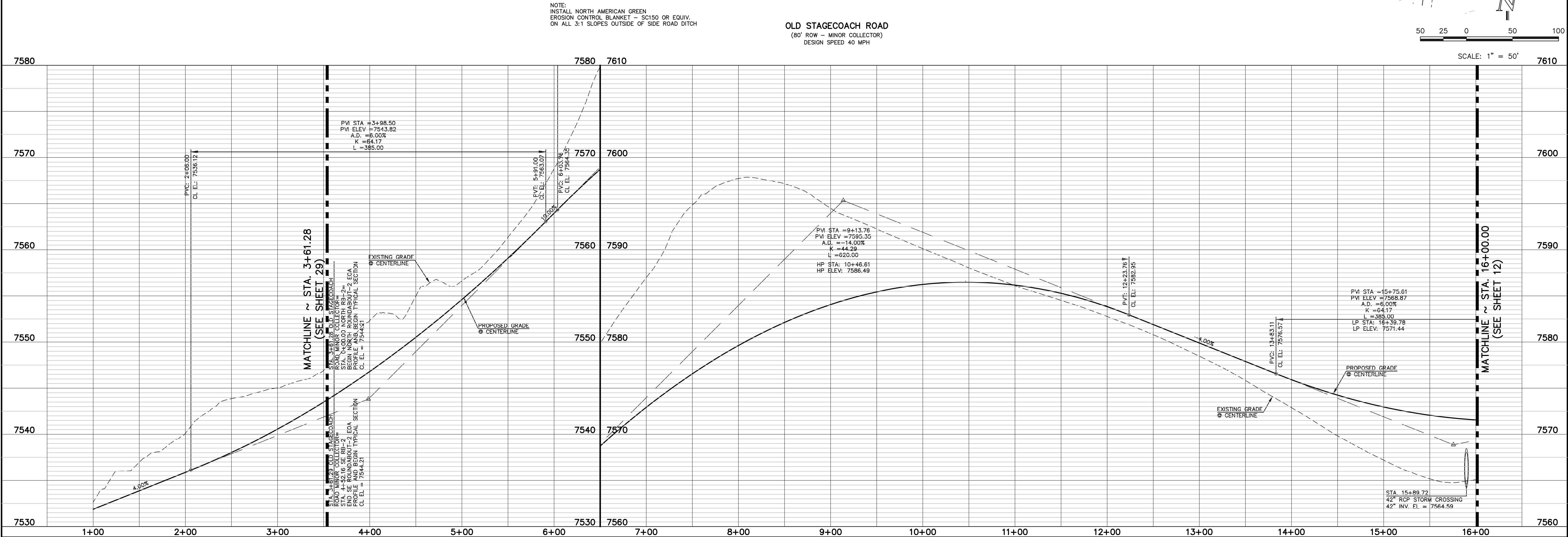
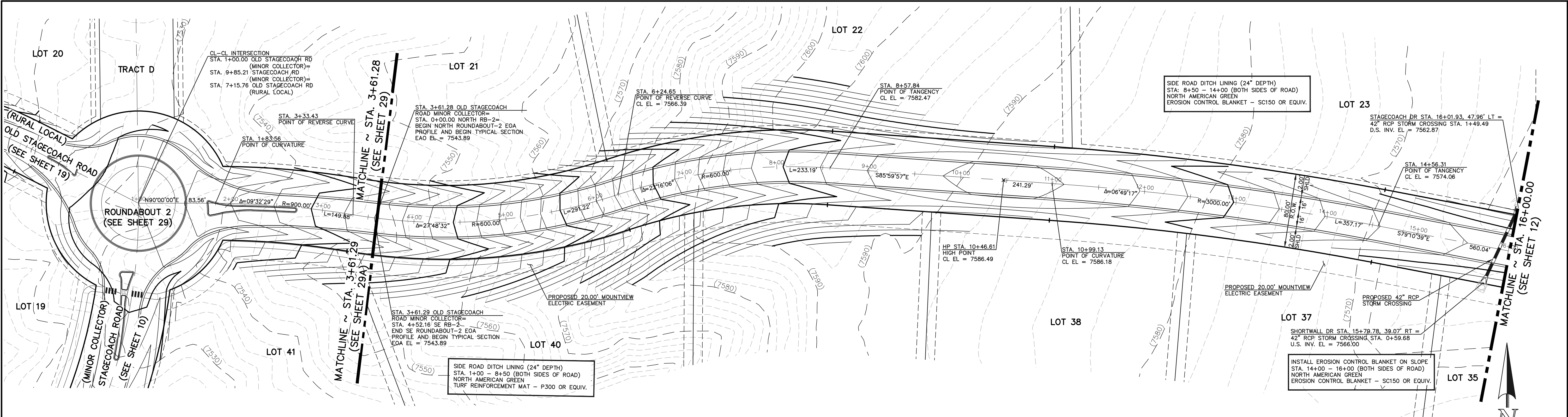
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

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

FLYING HORSE NORTH FILING NO. 1			
STREET IMPROVEMENT PLAN			
SHORTWALL DRIVE			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET 9 OF 41
CHECKED BY		(V) 1"= 5'	JOB NO. 1096.11

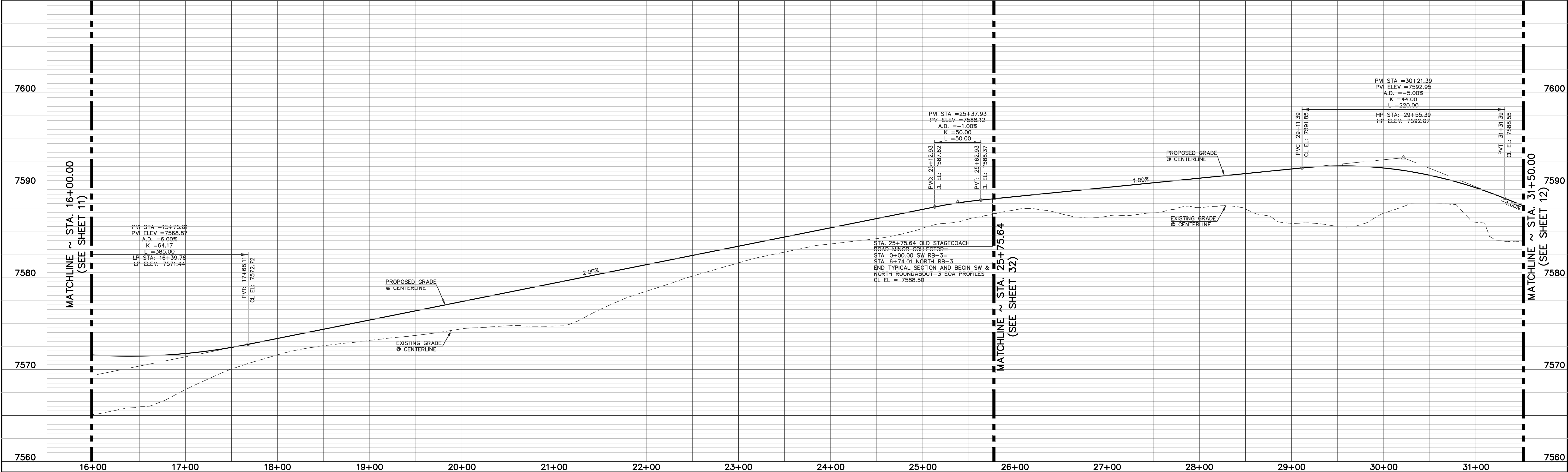
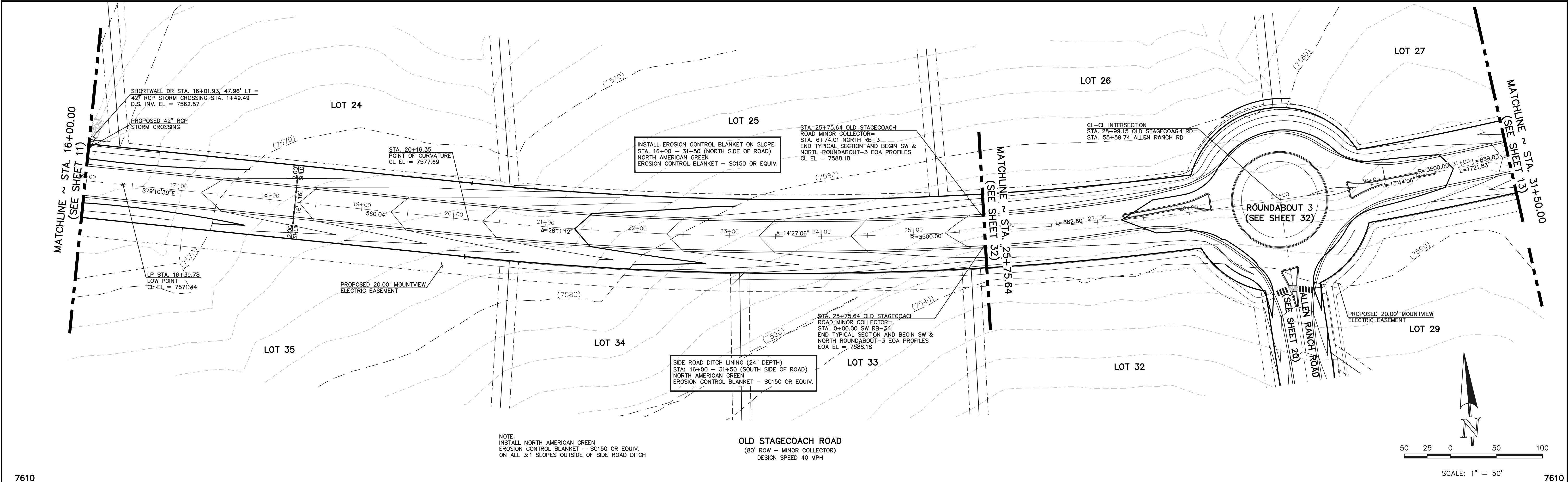







<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING 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>		<p>NO. REVISION</p> <table border="1"><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>												<p>DATE</p> <table border="1"><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>												<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155</p> <p>DATE</p>		<p>FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN OLD STAGECOACH ROAD - MINOR COLLECTOR STA. 3+55.28 - STA. 16+00.00</p> <p>DESIGNED BY PRA SCALE DATE 08-11-17 DRAWN BY PRA (H) 1"= 50' SHEET 11 OF 41 CHECKED BY (V) 1"= 5' JOB NO. 1096.11</p>		<p>CLASSIC CONSULTING ENGINEERS &amp; SURVEYORS</p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</p> <p>(719)785-0790 (719)785-0799(Fax)</p>	





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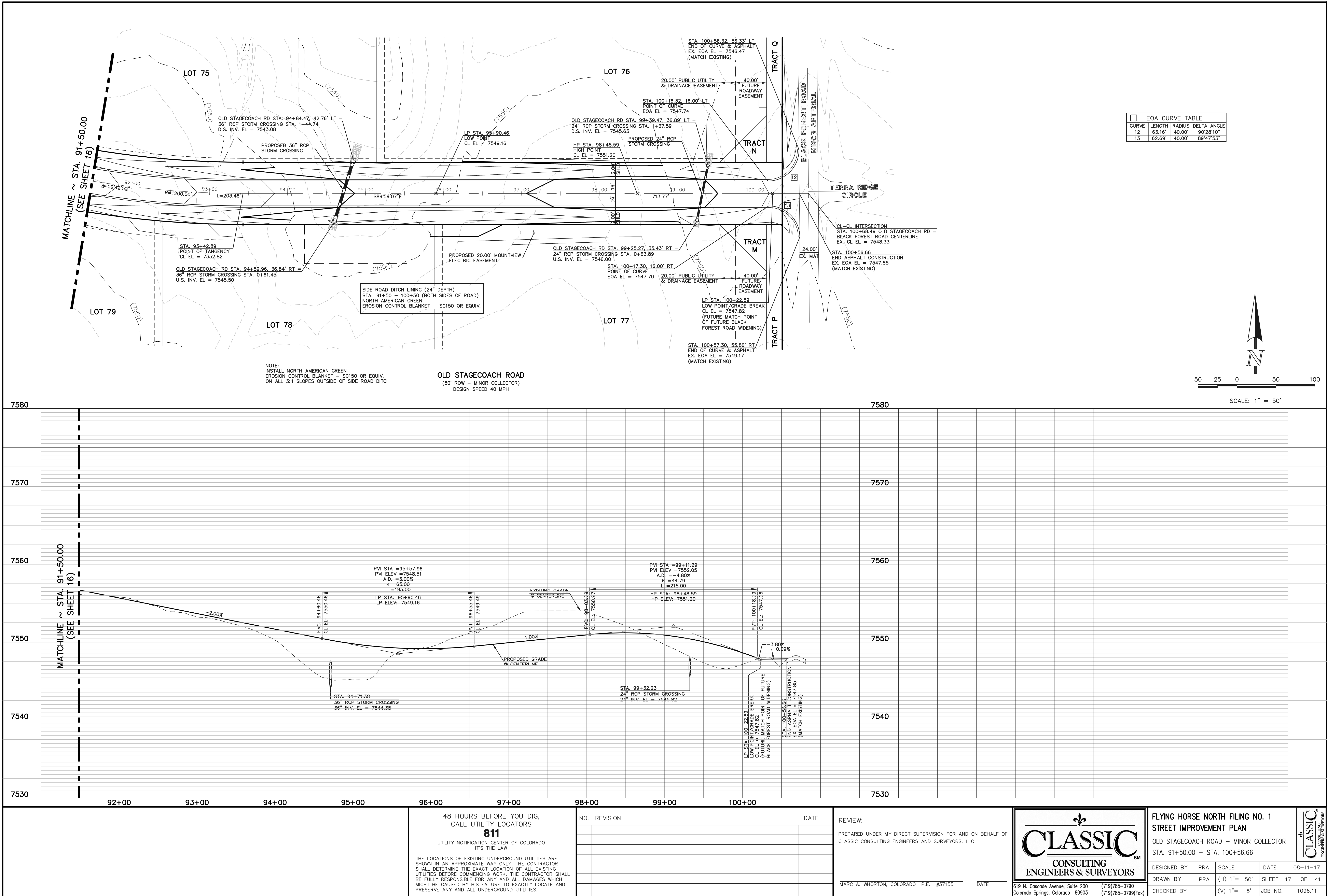




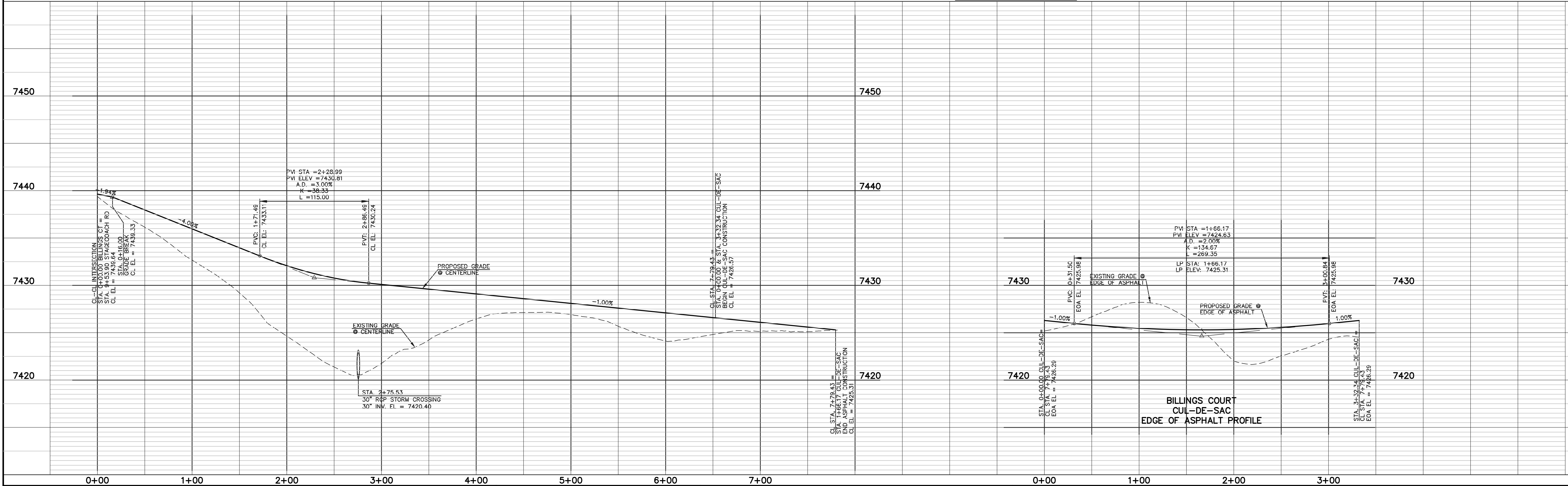




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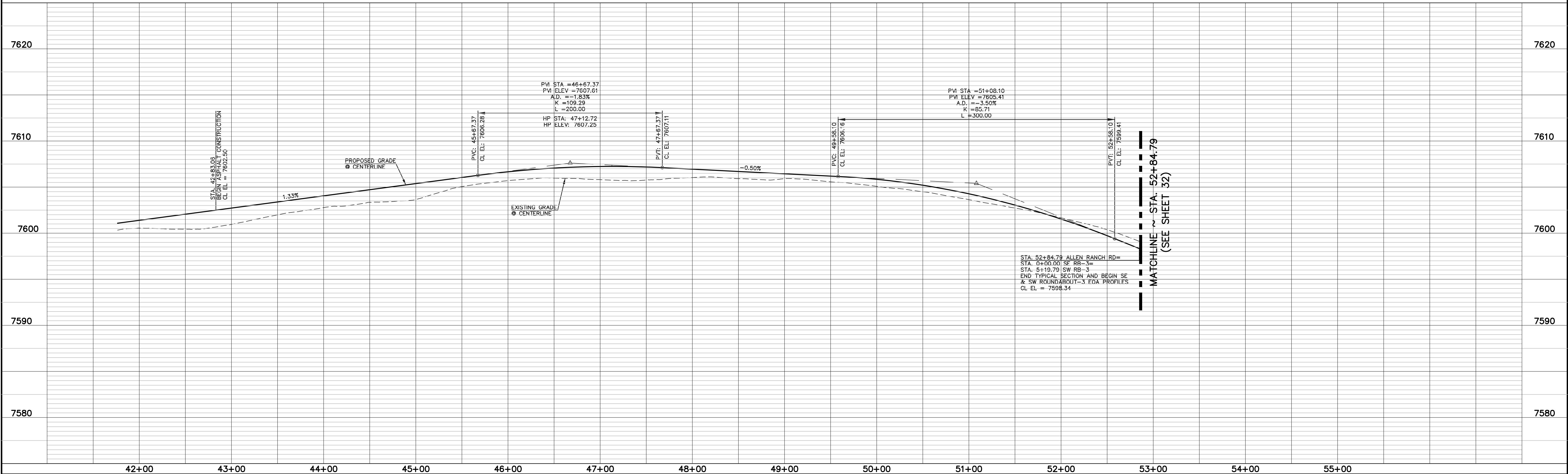
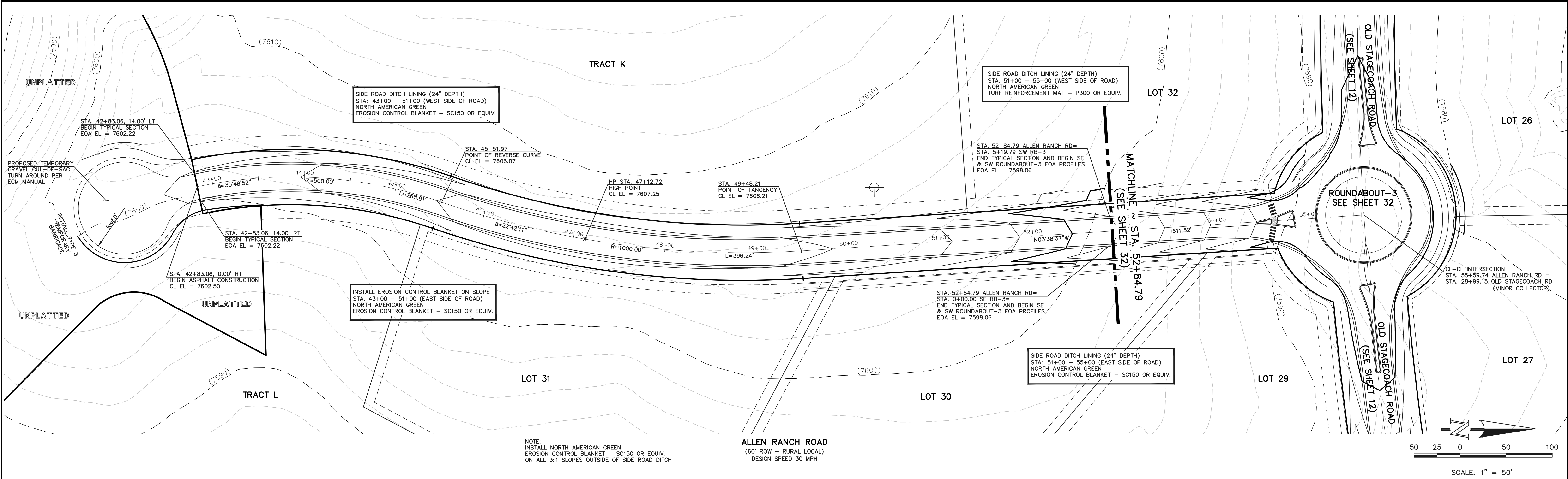




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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

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

DATE

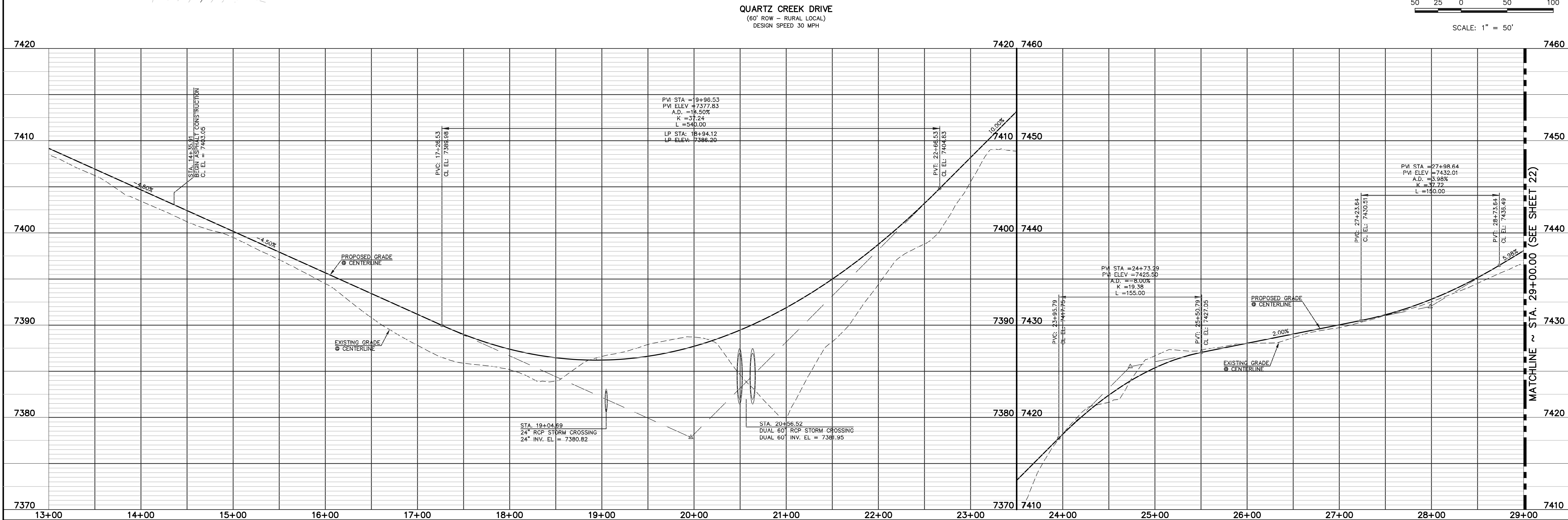
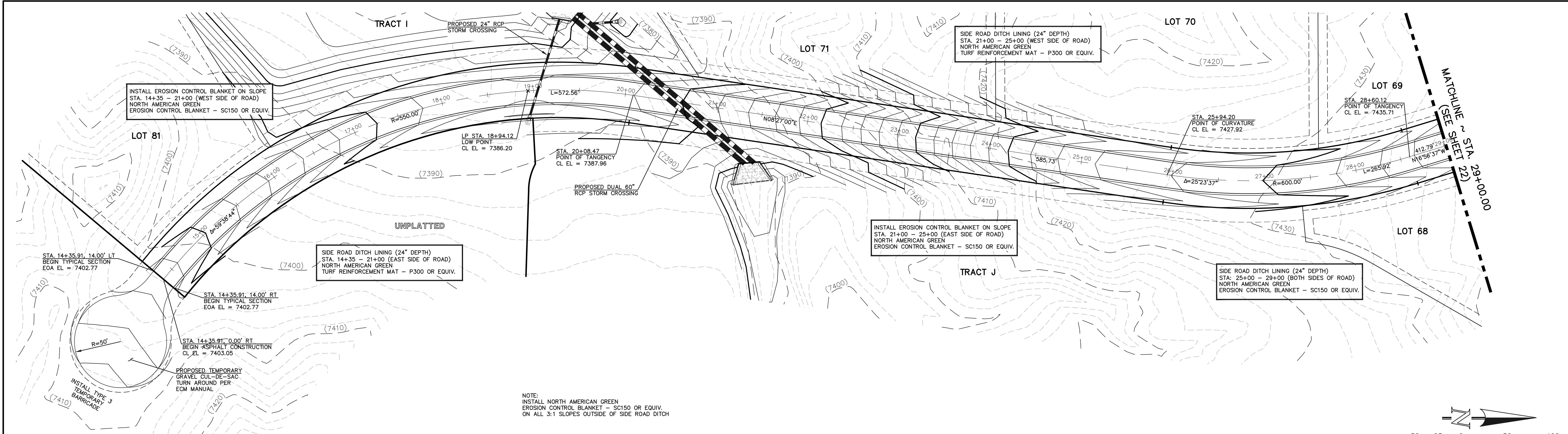
CLASSIC CONSULTING ENGINEERS & SURVEYORS

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 PLAN  
ALLEN RANCH ROAD

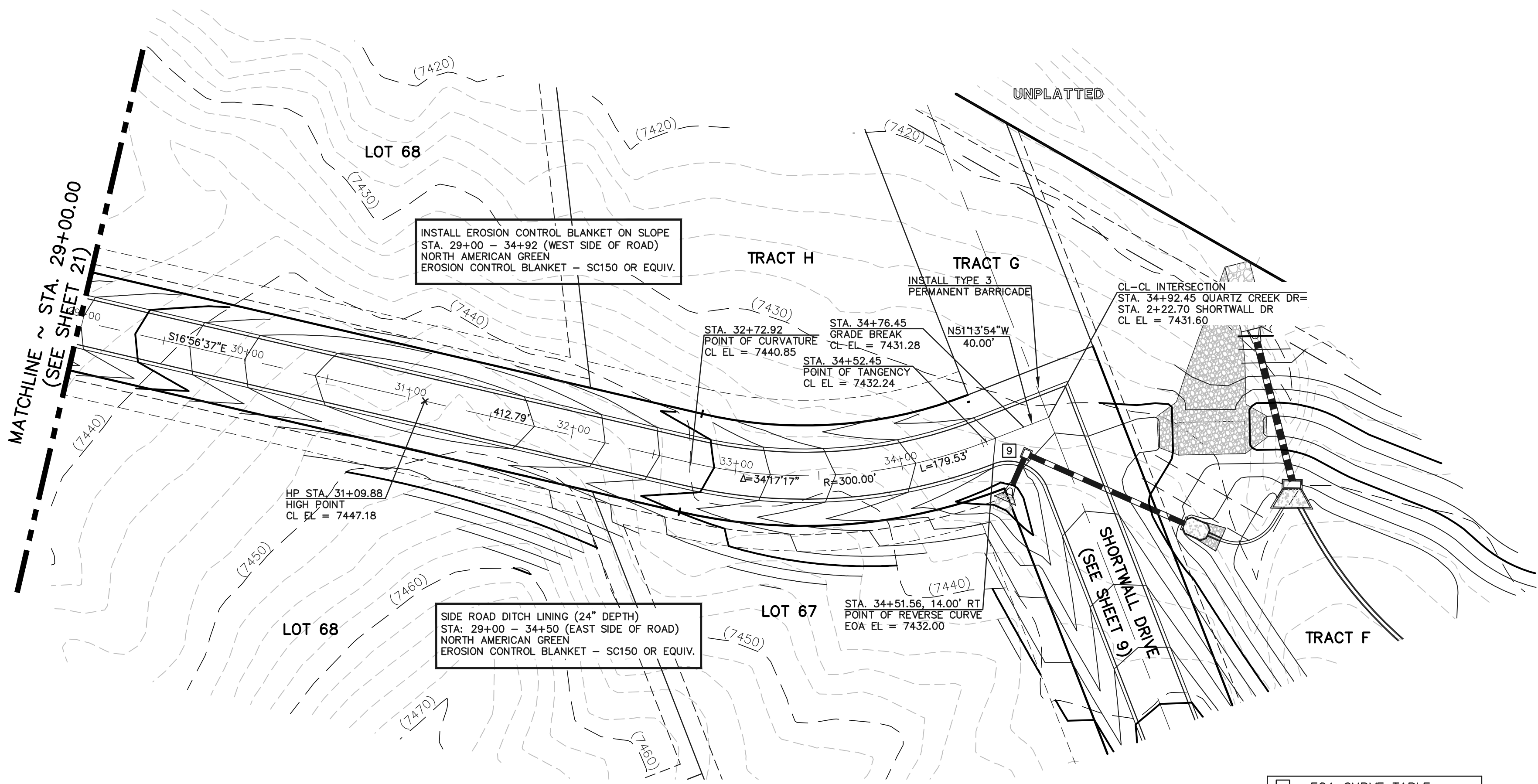
DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET	20 OF 41
CHECKED BY		(V) 1"= 5'	JOB NO.	1096.11



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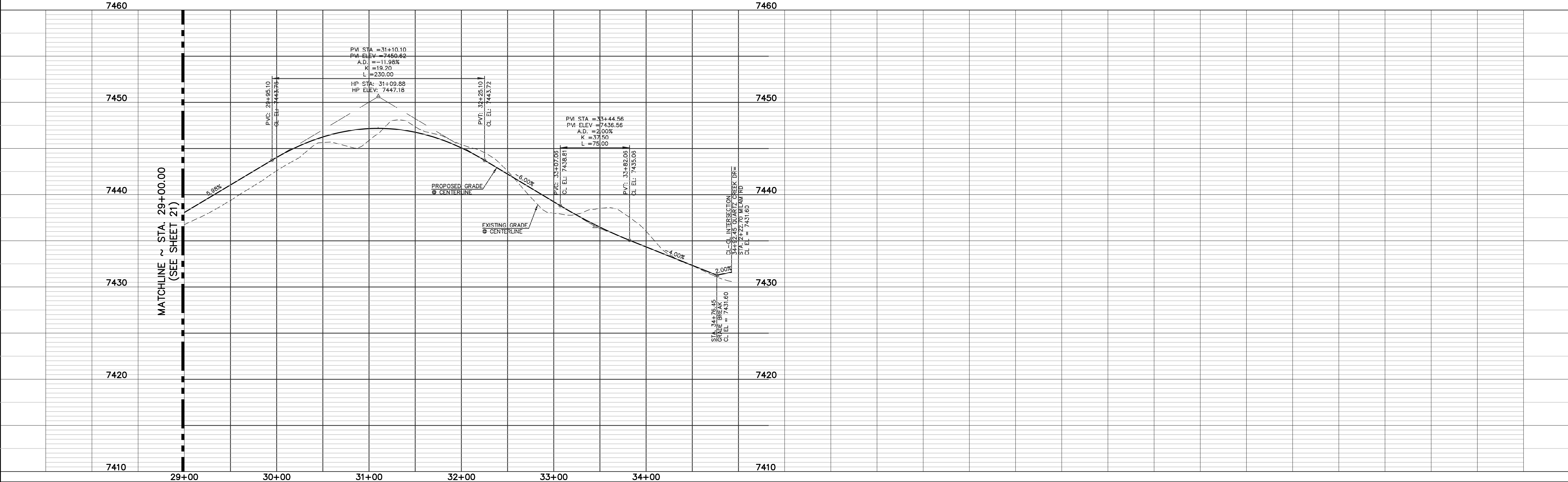
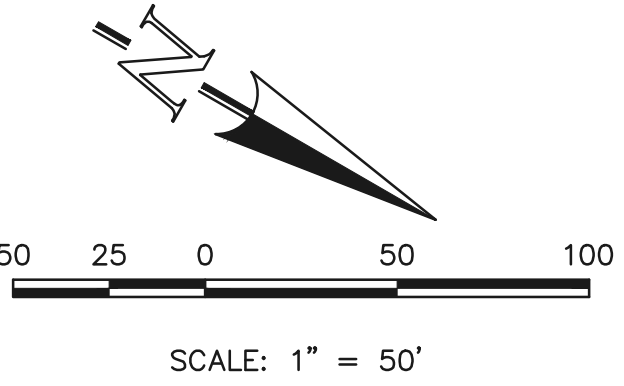
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NOTE:  
INSTALL NORTH AMERICAN GREEN  
EROSION CONTROL BLANKET - SC150 OR EQUIV.  
ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

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

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



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REVIEW:

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

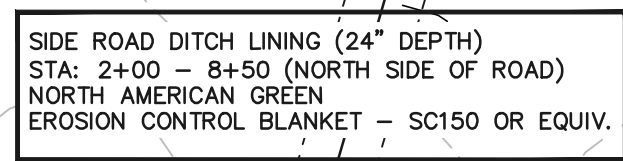


FLYING HORSE NORTH FILING NO. 1			
STREET IMPROVEMENT PLAN			
QUARTZ CREEK DRIVE			
(STA. 29+00.00-STA. 34+92.45)			
DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET 22 OF 41
CHECKED BY		(V) 1"= 5'	JOB NO. 1096.11

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

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

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"

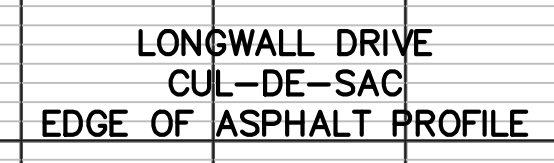


NOTE:  
INSTALL NORTH AMERICAN GREEN  
EROSION CONTROL BLANKET - SC150 OR EQUIV.  
ON ALL 3:1 SLOPES OUTSIDE OF SIDE ROAD DITCH

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



SCALE: 1" = 50'



MATCHLINE ~ STA. 11+50.00  
(SEE SHEET 23)

811

NO. REVISION		DATE
1	REVISED PER FIRE DISTRICT REQUEST	5-10-18

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

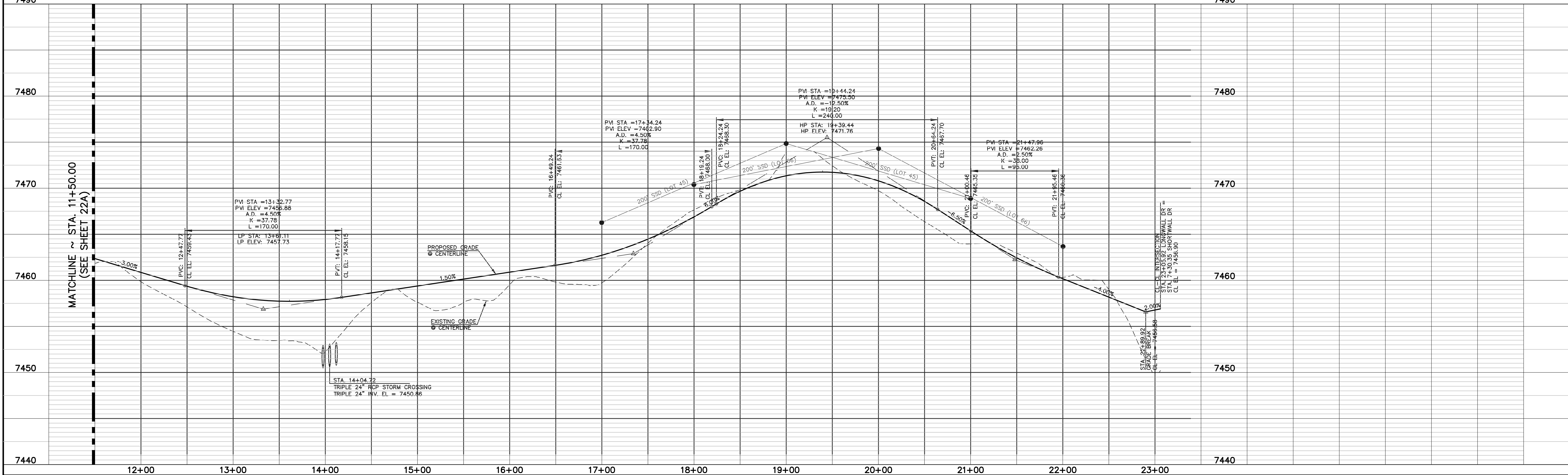
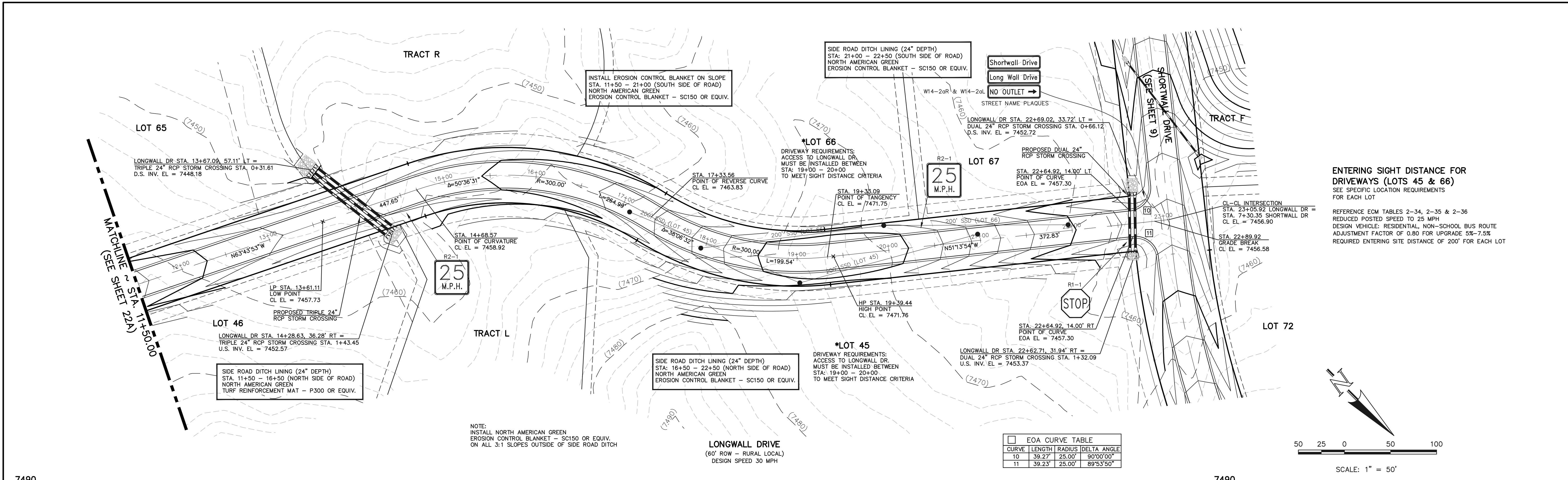


FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
LONGWALL DRIVE  
(STA. 1+02.00 - STA. 11+50.00)

DESIGNED BY	PRA	SCALE	DATE 08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET 22A OF 41
CHECKED BY		(V) 1"= 5'	JOB NO. 1096.11







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NO.	REVISION	DATE
1	REVISED PER COUNTY DEVIATION COMMENTS	5-2-18

REVIEW:

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

DESIGNED BY	PRA	SCALE	DATE	08-11-17
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CHECKED BY		(V) 1"= 5'	JOB NO.	1096.11

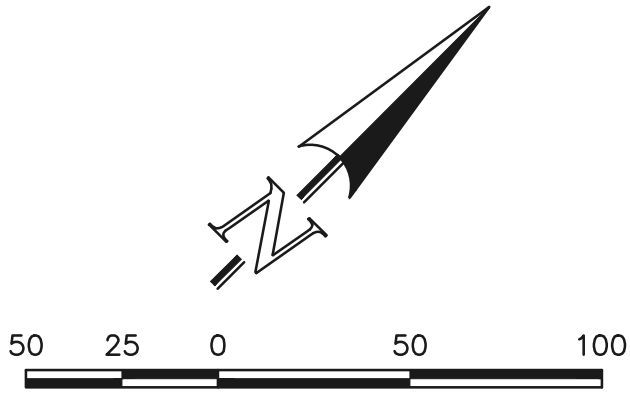
SIDE ROAD DITCH LINING (24" DEPTH)  
STA: 0+00 - 3+00 (AROUND CUL-DE-SAC)  
NORTH AMERICAN GREEN  
EROSION CONTROL BLANKET - SC150 OR EQUIV.

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.

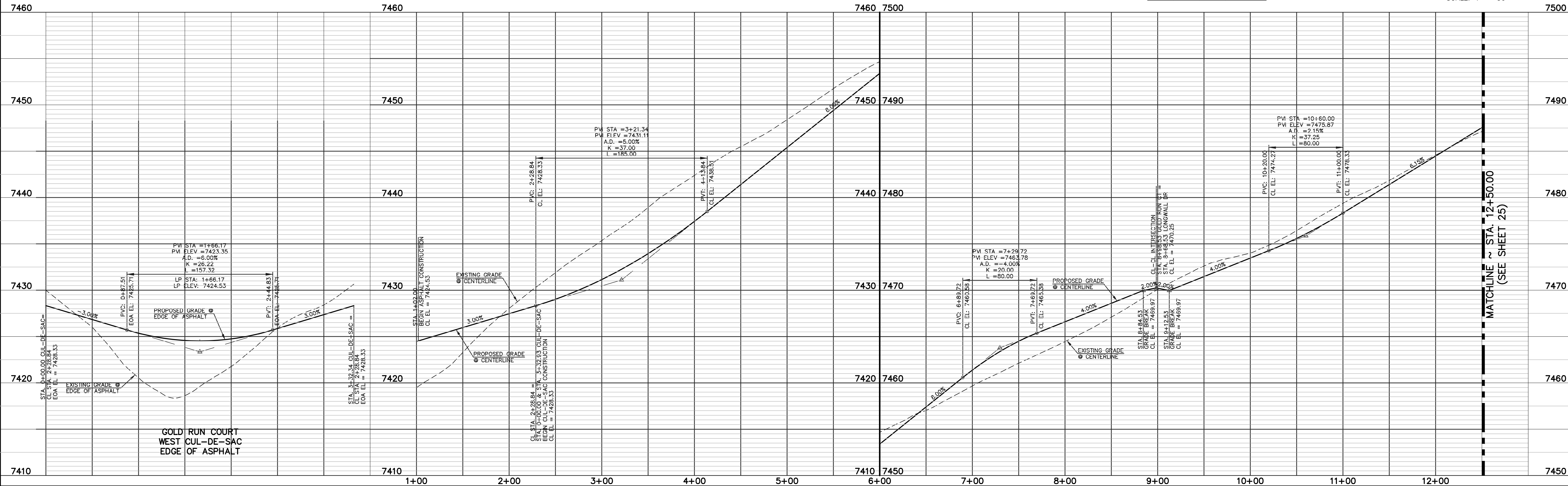
EOA CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
26	30.49'	20.00'	87°20'42"
27	32.44'	20.00'	92°55'35"
28	30.49'	20.00'	87°20'42"
29	32.44'	20.00'	92°55'35"
30	43.81'	50.00'	50°12'29"
31	244.71'	50.00'	280°24'59"
32	43.81'	50.00'	50°12'29"



SCALE: 1" = 50'

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

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



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

MATCHLINE ~ STA. 12+50.00  
(SEE SHEET 25)

48 HOURS BEFORE YOU DIG,  
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Colorado Springs, Colorado 80903

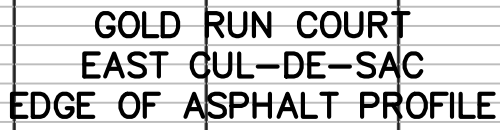
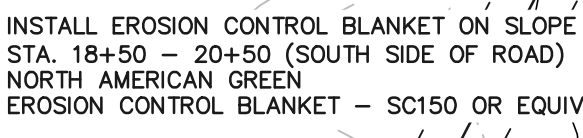
(719) 785-0790  
(719) 785-0799 (Fax)

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 41
CHECKED BY	(V) 1" = 5'	JOB NO.	1096.11	

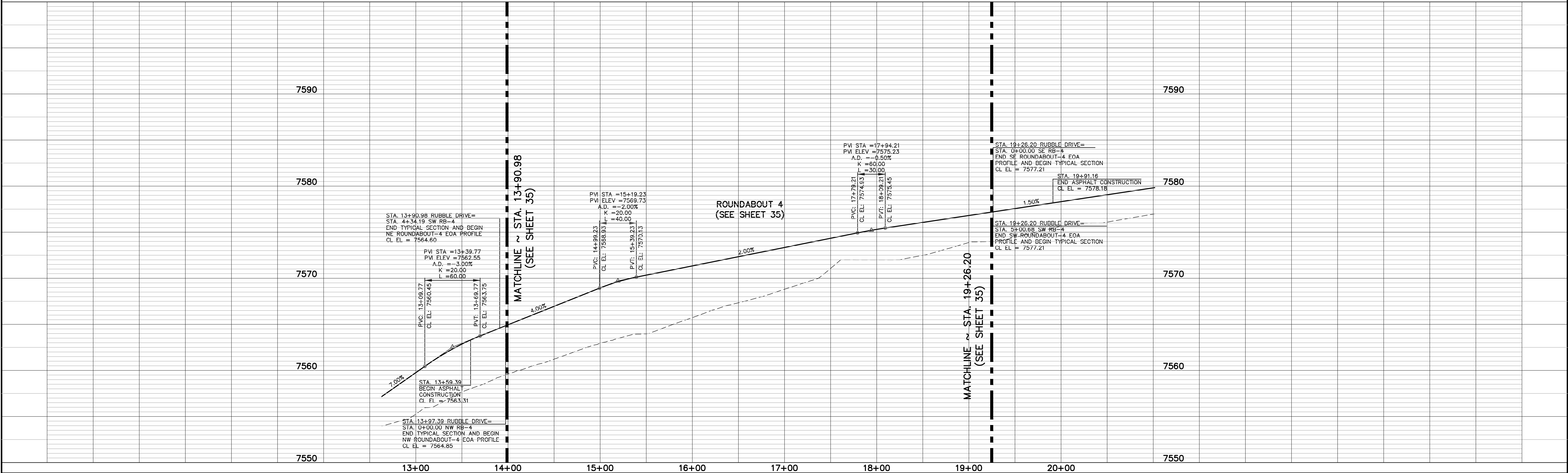
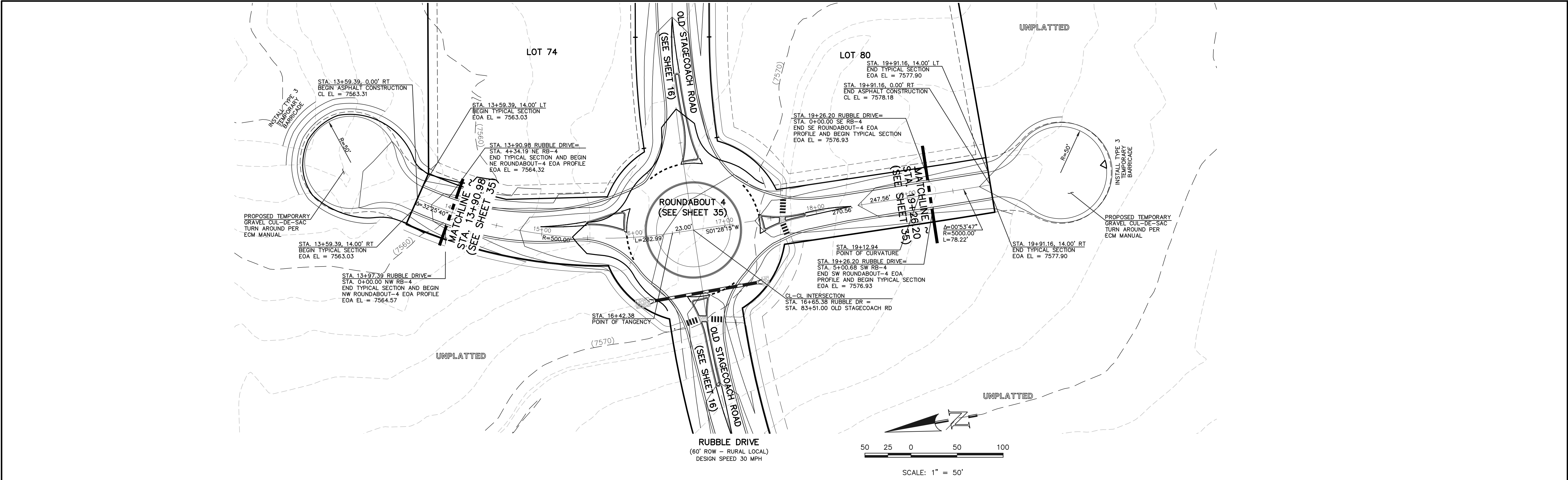






  
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CONSULTING  
ENGINEERS & SURVEYORS

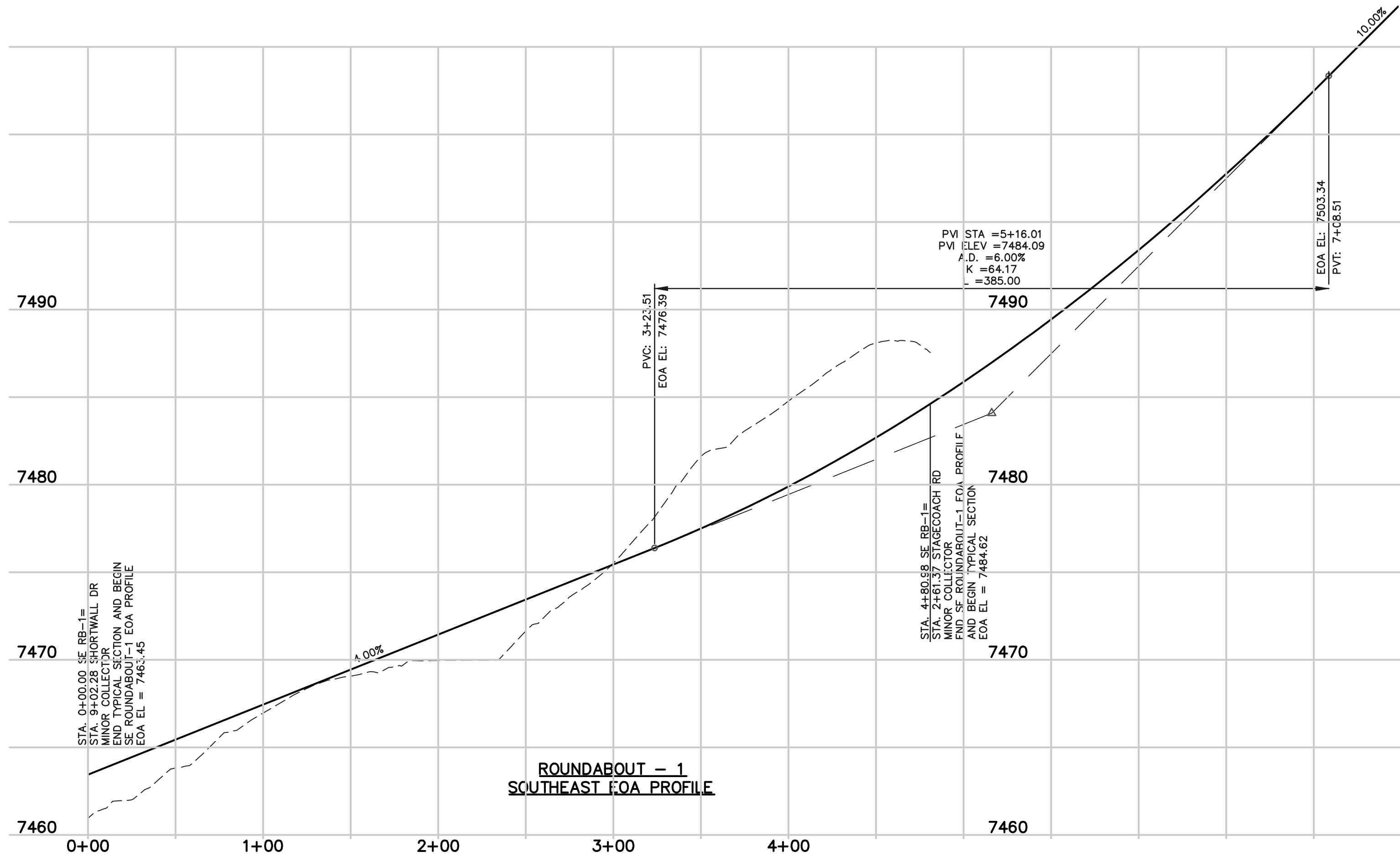
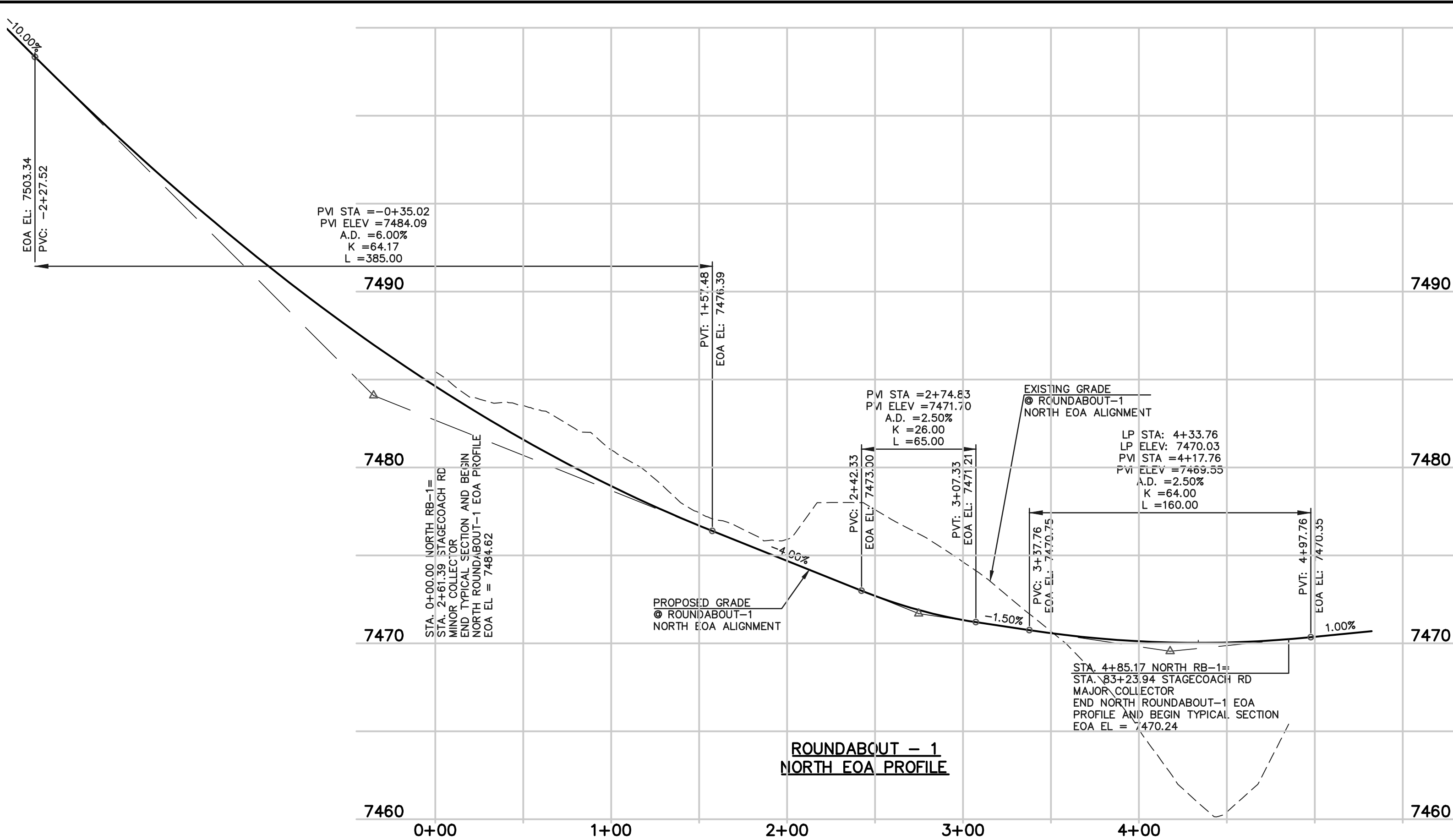
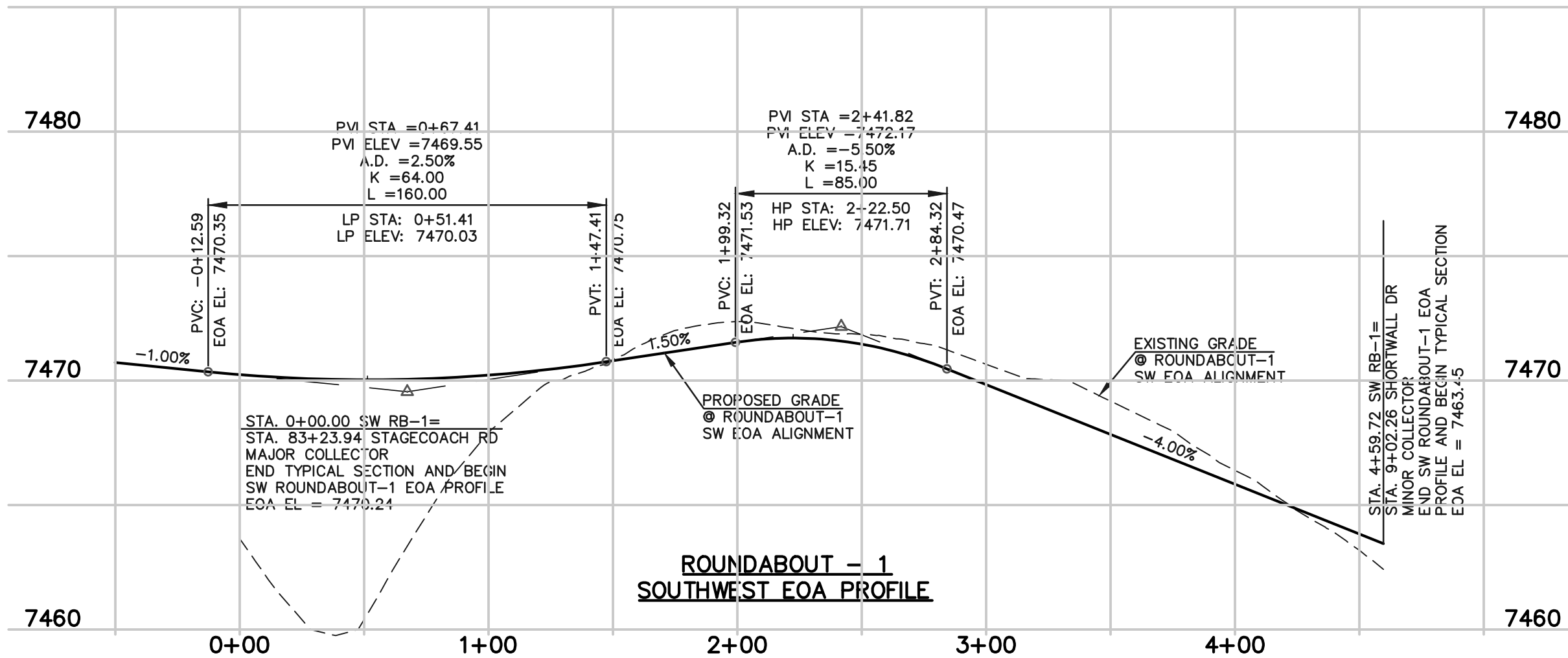
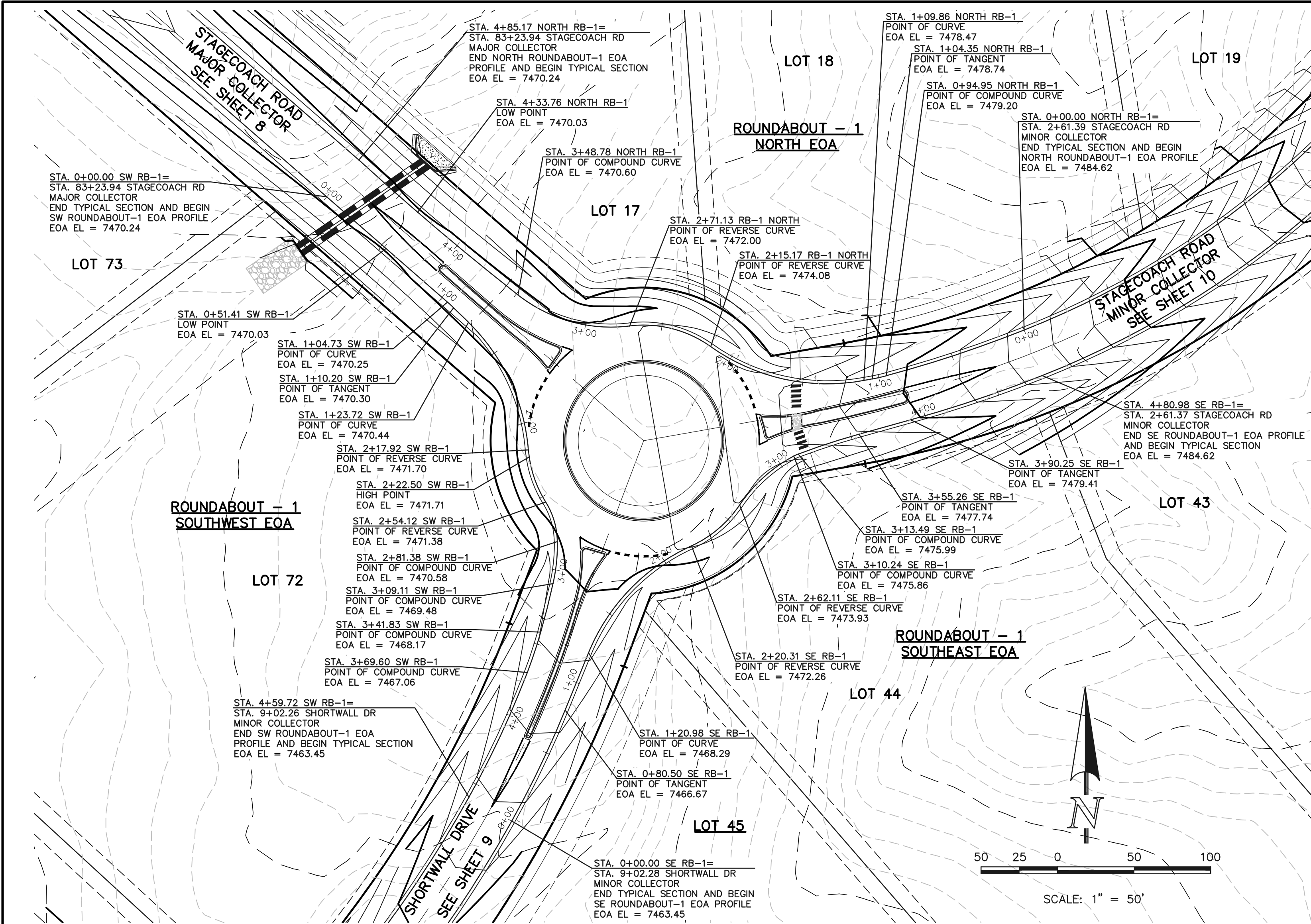
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<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT 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><thead><tr><th>NO.</th><th>REVISION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		NO.	REVISION	DATE																<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155      DATE      </p>		<div><p>CLASSIC CONSULTING ENGINEERS &amp; SURVEYORS</p></div> <p>619 N. Cascade Avenue, Suite 200 (719) 785-0790 Colorado Springs, Colorado 80903 (719) 785-0799 (Fax)</p>		<p>FLYING HORSE NORTH FILING NO. 1 STREET IMPROVEMENT PLAN RUBBLE DRIVE - RURAL LOCAL</p> <table><thead><tr><th>DESIGNED BY</th><th>PRA</th><th>SCALE</th><th>DATE</th><th>08-11-17</th></tr></thead><tbody><tr><td>DRAWN BY</td><td>PRA</td><td>(H) 1"= 50'</td><td>SHEET 25A</td><td>OF 41</td></tr><tr><td>CHECKED BY</td><td> </td><td>(V) 1"= 5'</td><td>JOB NO.</td><td>1096.11</td></tr></tbody></table>		DESIGNED BY	PRA	SCALE	DATE	08-11-17	DRAWN BY	PRA	(H) 1"= 50'	SHEET 25A	OF 41	CHECKED BY		(V) 1"= 5'	JOB NO.	1096.11
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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

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

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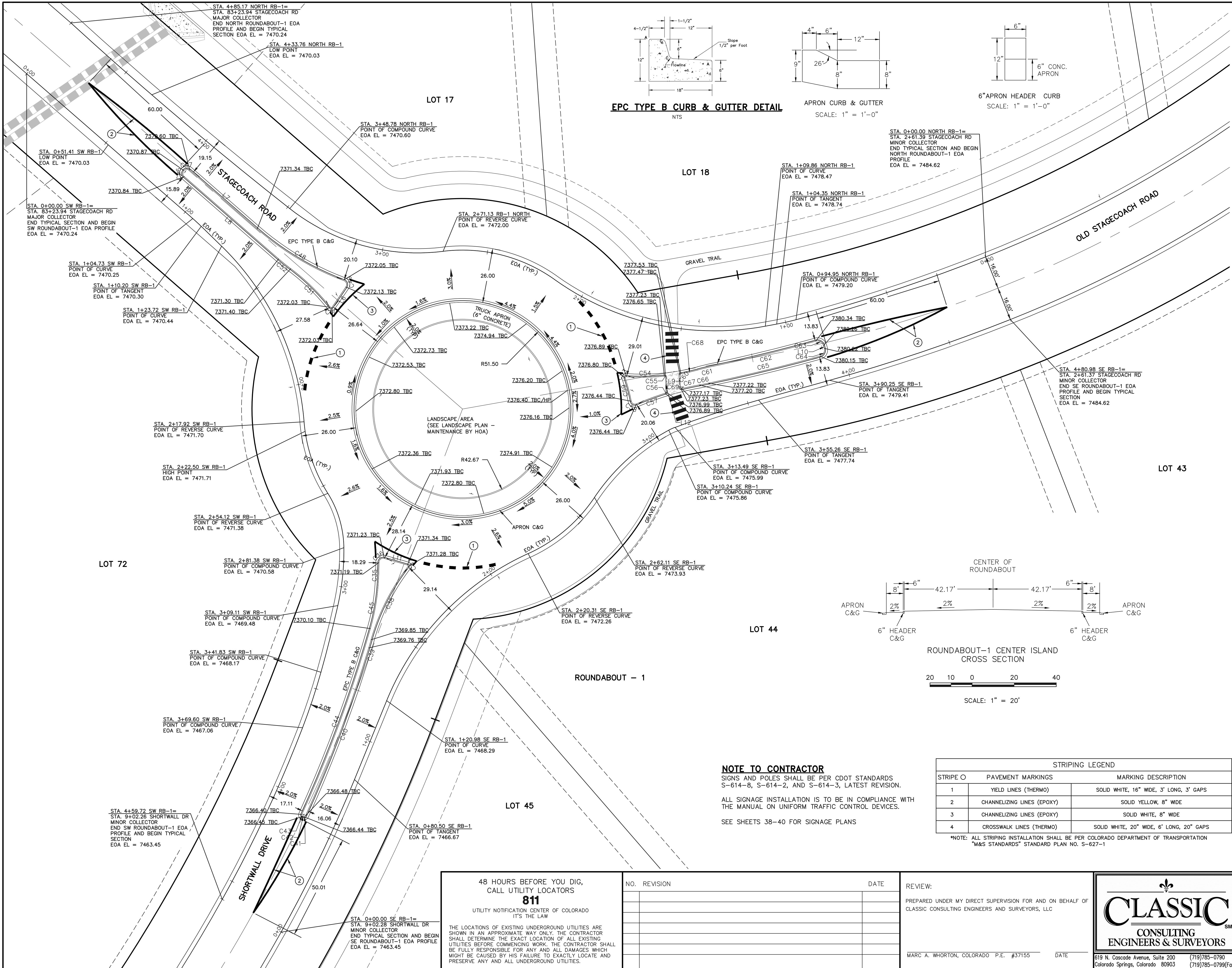


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Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (Fax)

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 41
CHECKED BY		(V) 1" = 5'	JOB NO.	1096.11





EPC TYPE B CURB & GUTTER DETAIL

NTS

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

6" APRON HEADER CURB  
SCALE: 1" = 1'-0"

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

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

Parcel 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

NOTE TO CONTRACTOR

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SEE SHEETS 38-40 FOR SIGNAGE PLANS

STRIPING LEGEND		
STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	YIELD LINES (THERMO)	SOLID WHITE, 16" WIDE, 3' LONG, 3' GAPS
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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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
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MARC A. WHORTON, COLORADO P.E. #37155

DATE



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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 41
CHECKED BY		(V) 1"= N/A	JOB NO.	1096.11



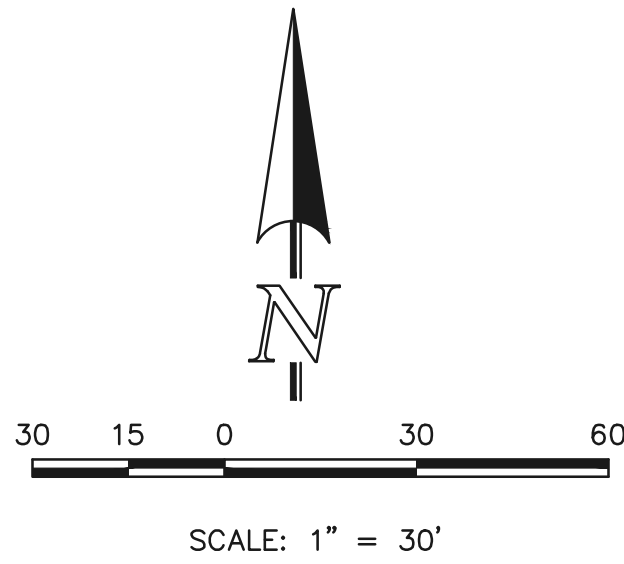


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NORTH LEG FASTEST PATHS				F VALUE	E VALUE
R1	174.38' / 24.64 MPH	0.23	-0.02		
R2	92.99' / 19.30 MPH	0.23	-0.02		
R3	234.76' / 27.68 MPH	0.23	-0.02		
R4	51.04' / 15.29 MPH	0.23	-0.02		
R5	N/A				

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

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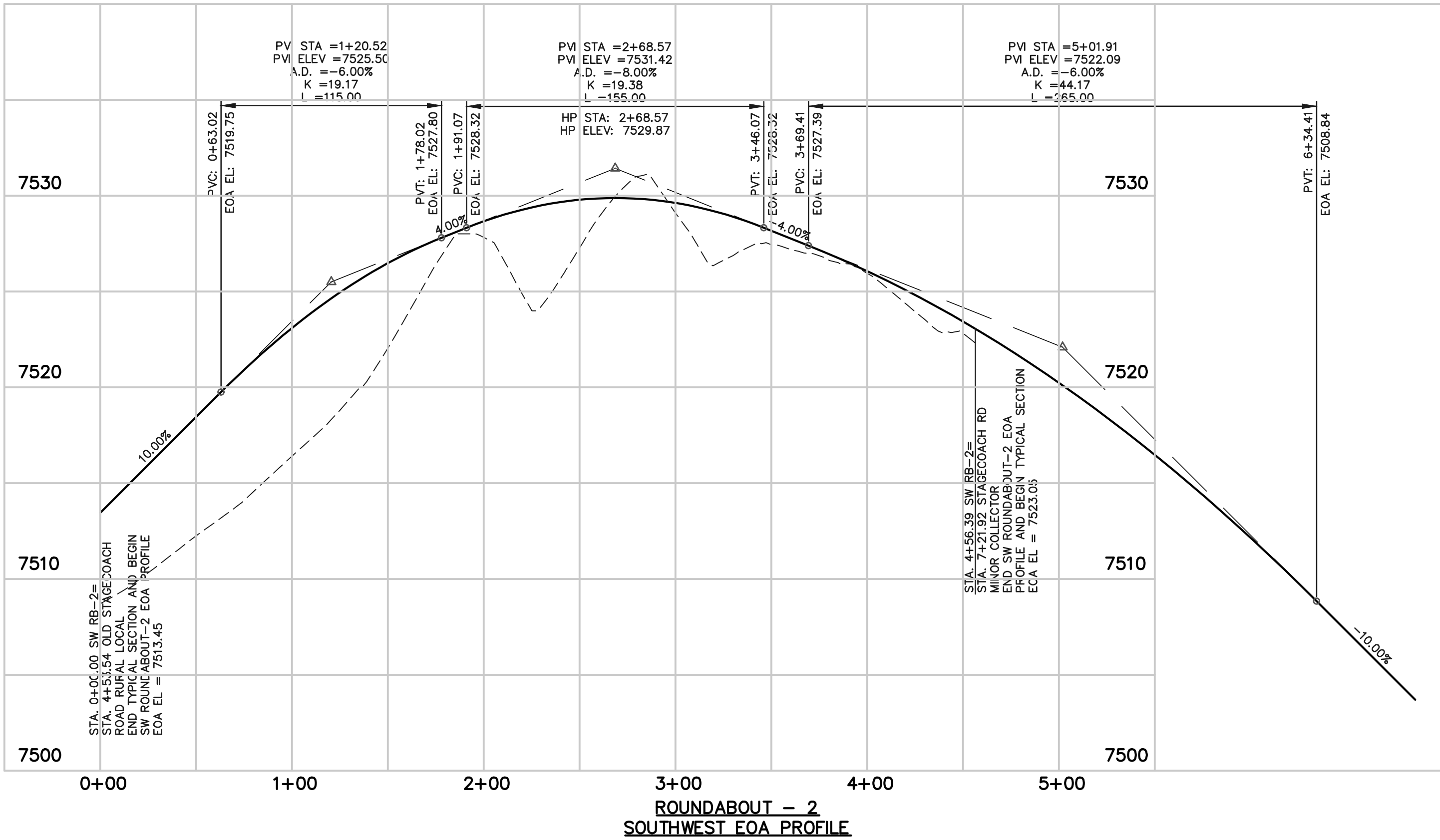
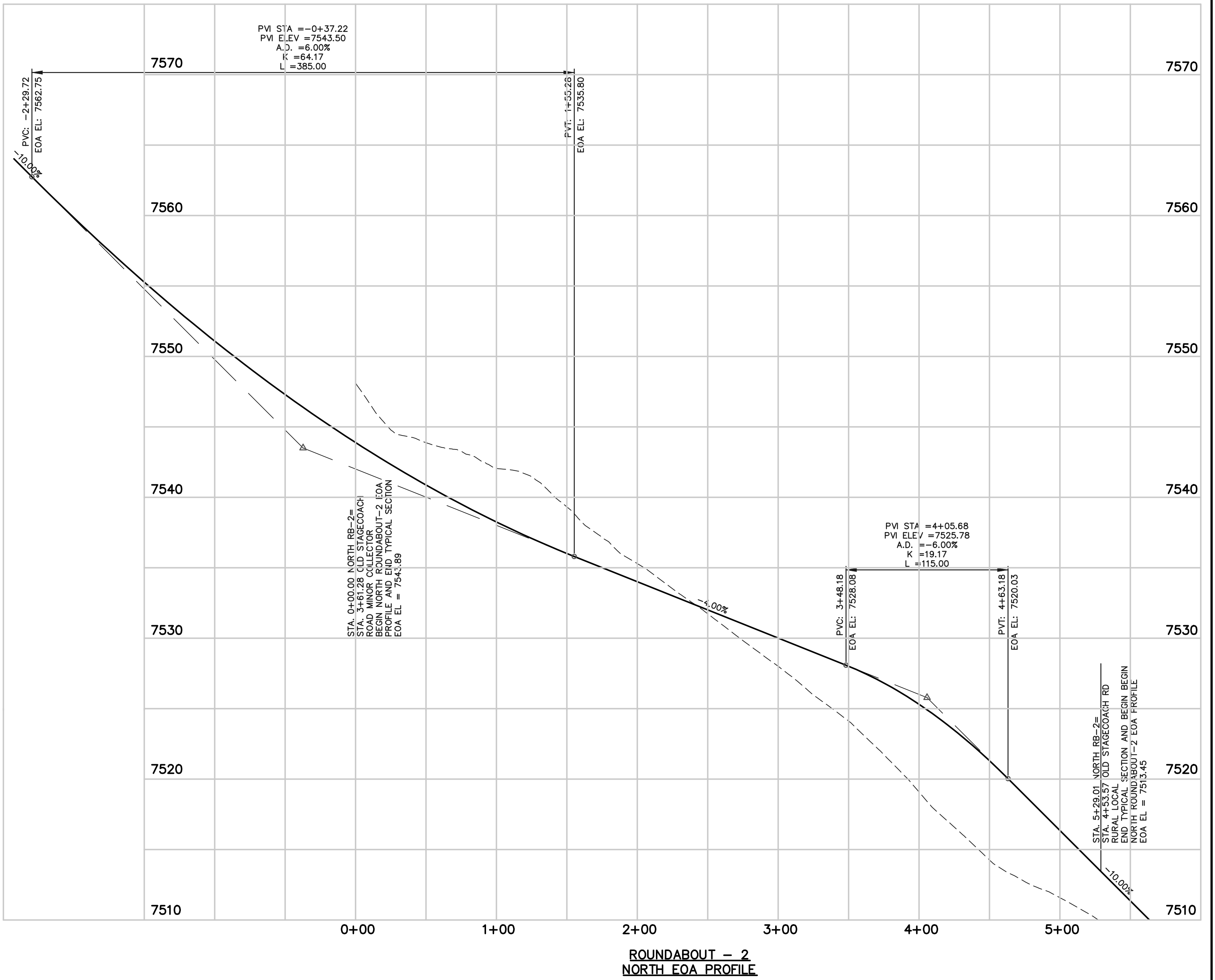
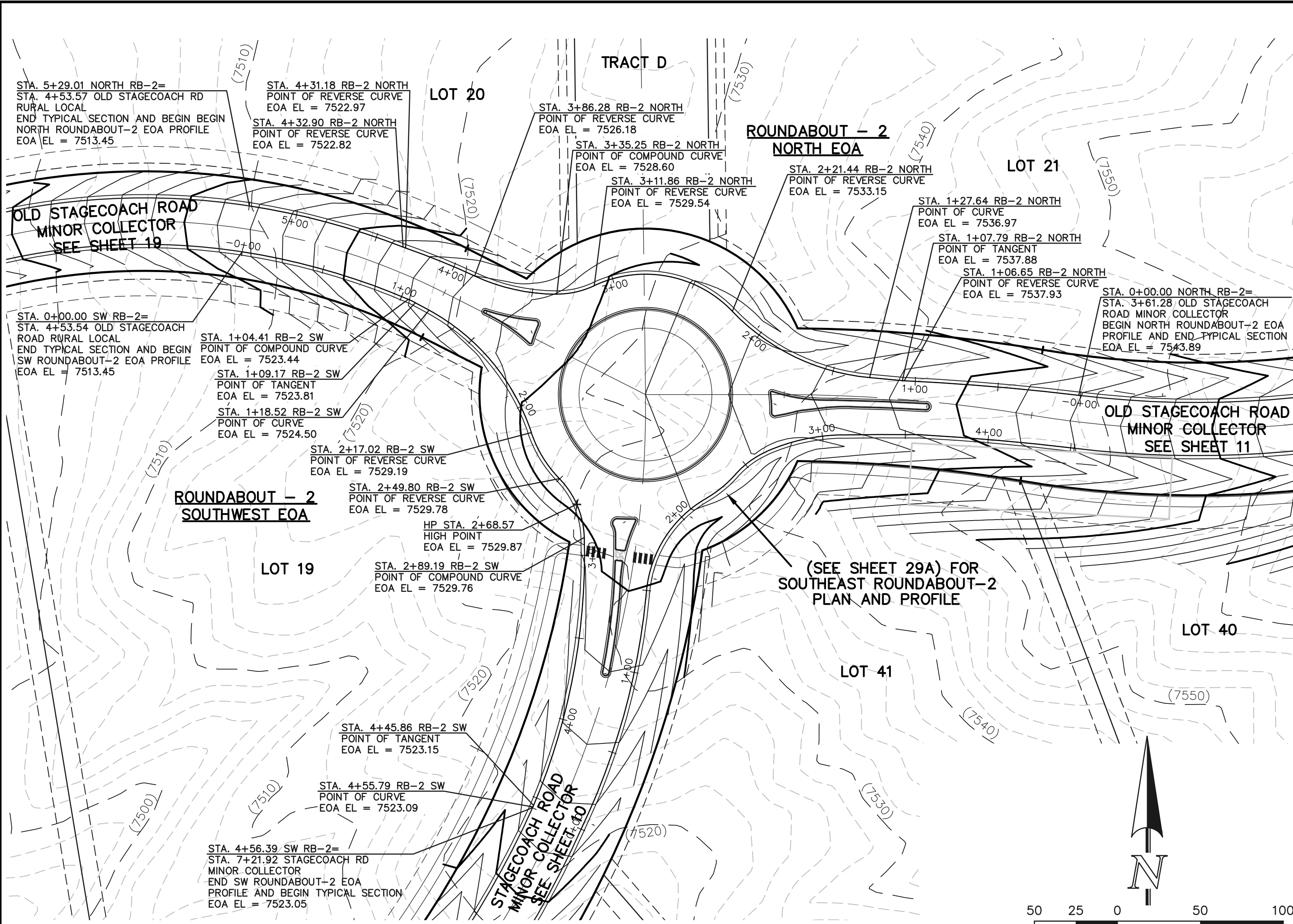
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FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
ROUNDBABOUT 1  
FASTEST PATHS

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1"= 30'	SHEET	28 OF 41
CHECKED BY	(V)	1"= N/A	JOB NO.	1096.11

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



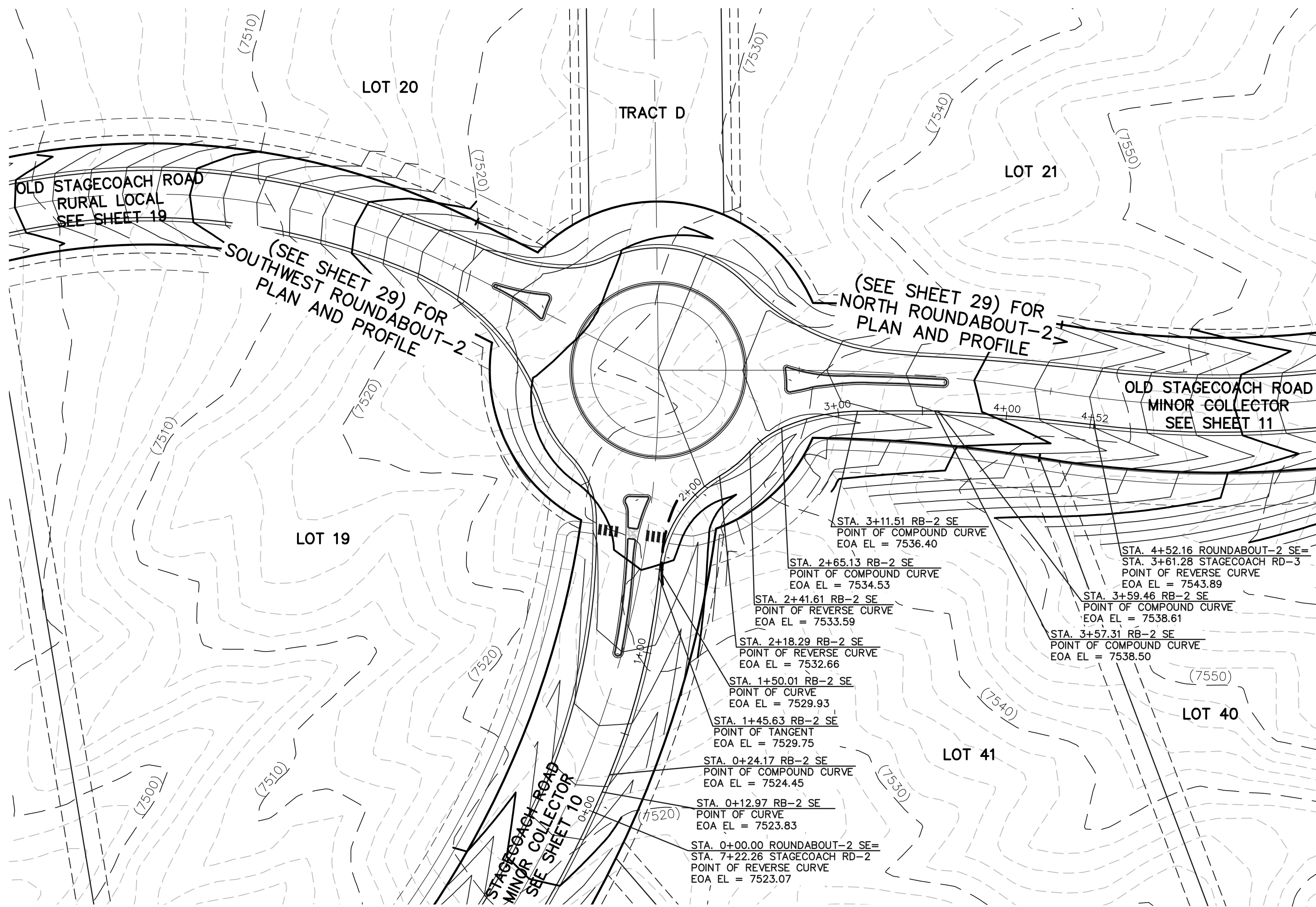
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FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
ROUNDABOUT-2, NORTH AND SOUTHWEST  
PLAN AND PROFILE PLAN

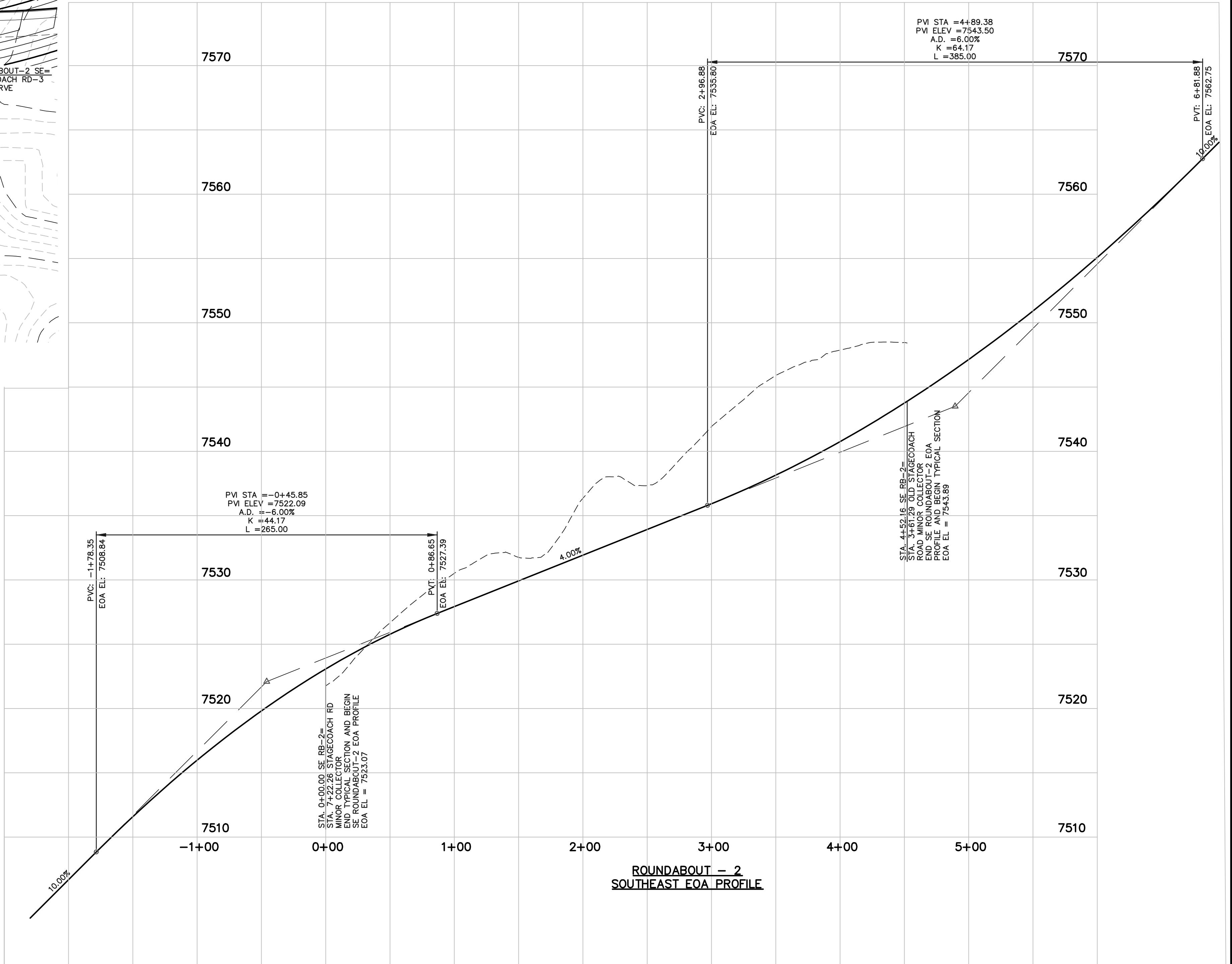
DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1" = 50'	SHEET	29 OF 41
CHECKED BY		(V) 1" = 5'	JOB NO.	1096.11







ROUNDABOUT - 2



ROUNDABOUT - 2  
SOUTHEAST EOA PROFILE

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FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN

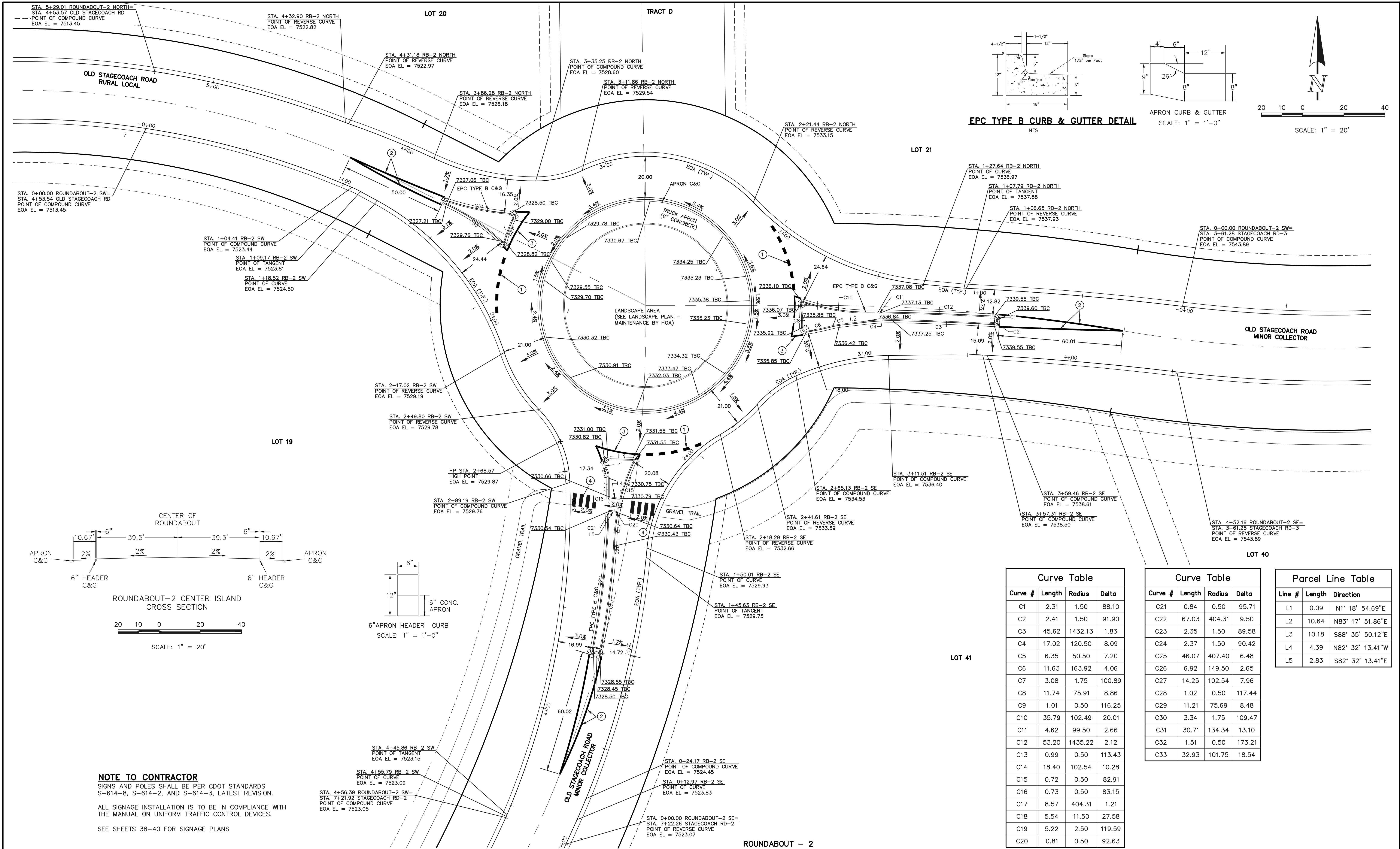
ROUNDABOUT-2, SOUTHEAST  
PLAN AND PROFILE PLAN

DESIGNED BY PRA SCALE DATE 08-11-17

DRAWN BY PRA (H) 1"= 50' SHEET 29A OF 41

CHECKED BY (V) 1"= 5' JOB NO. 1096.11





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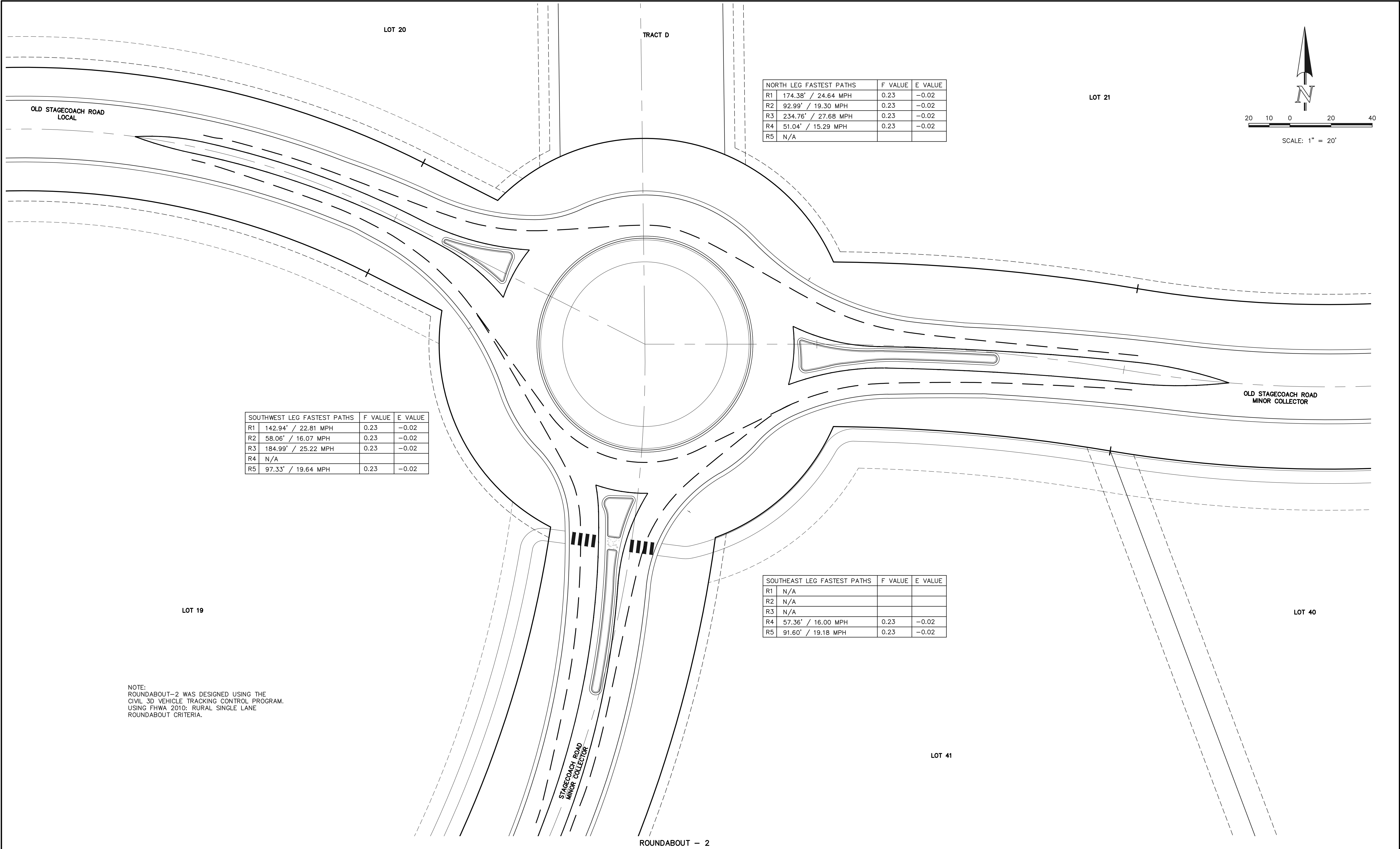
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(719) 785-0799 (Fax)

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 41
CHECKED BY		(V) 1" = N/A	JOB NO. 1096.11





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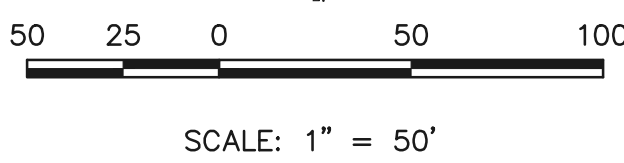
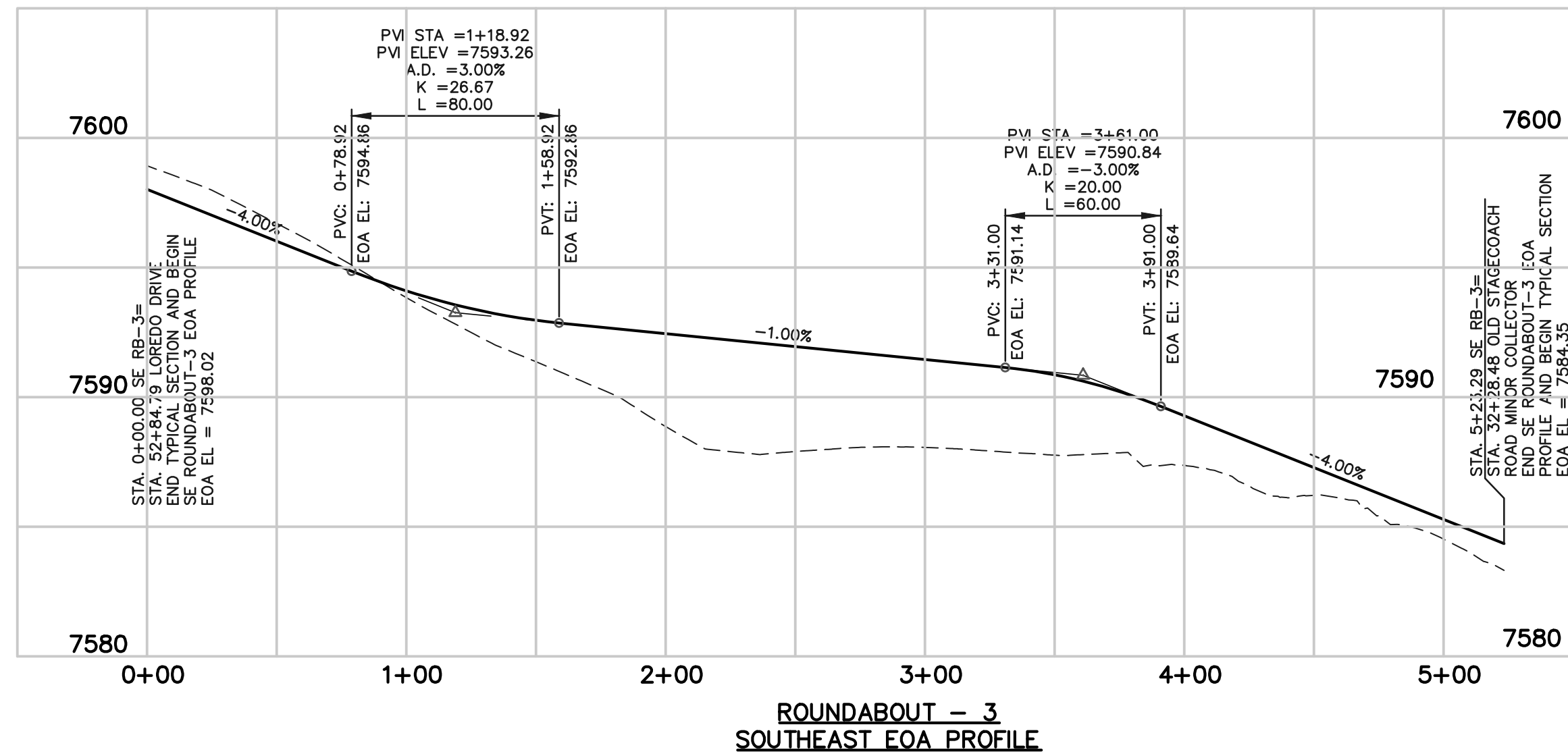
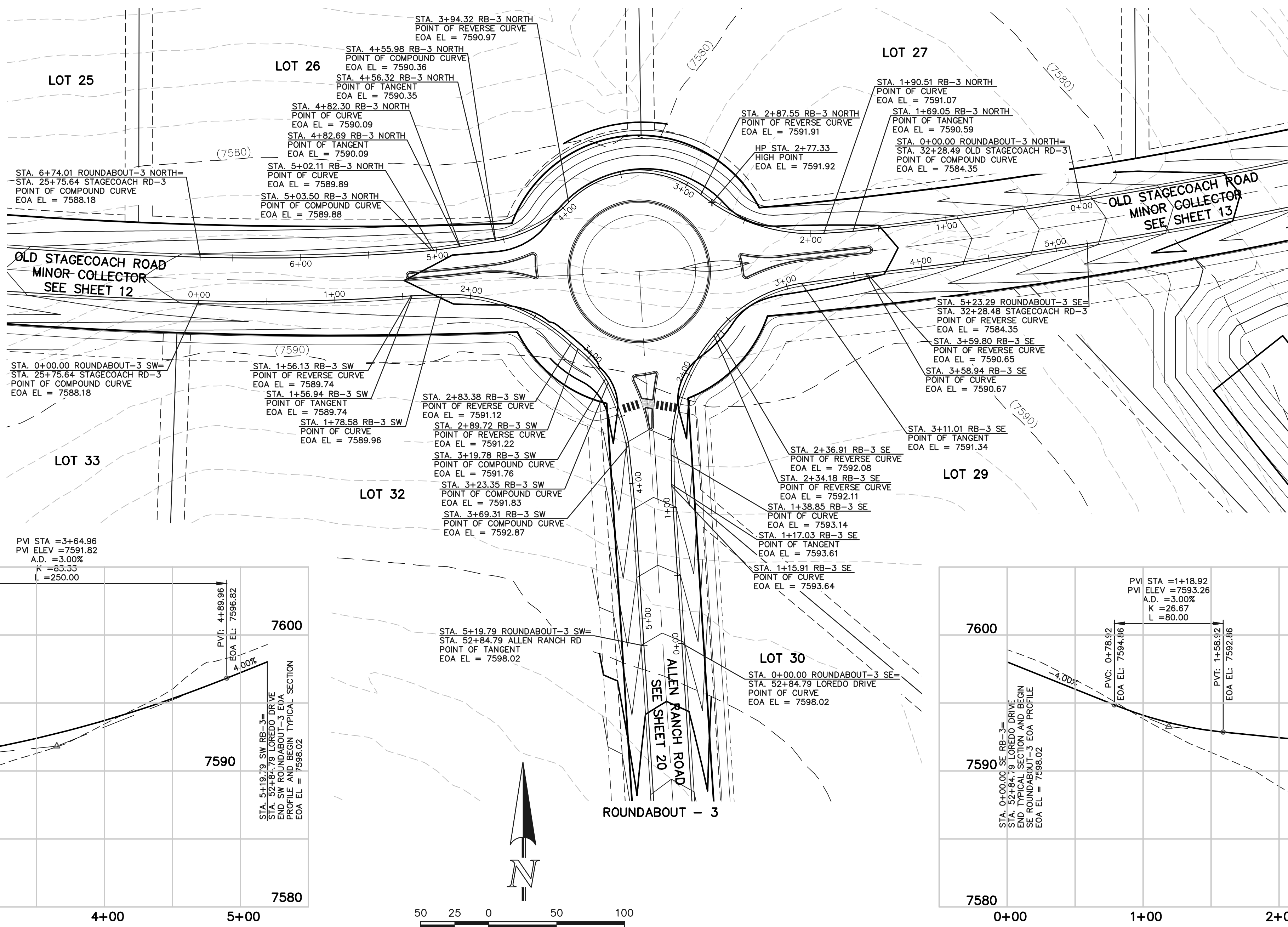
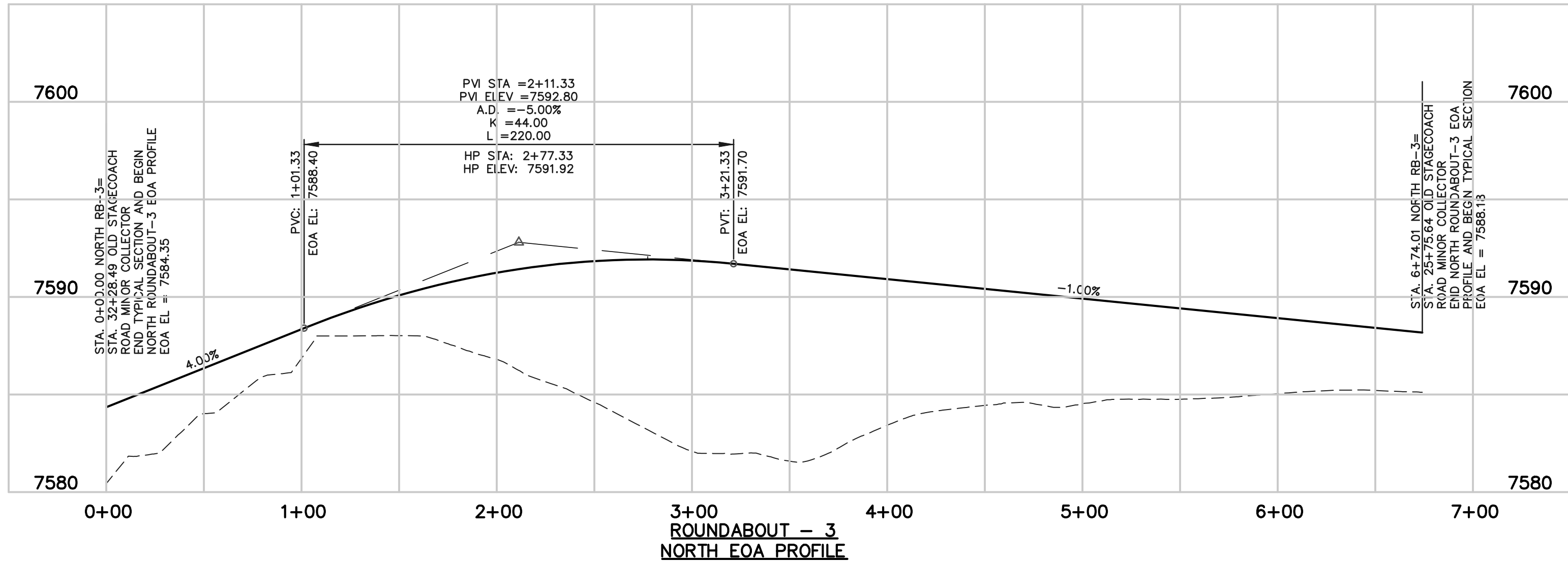


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			MARC A. WHORTON, COLORADO P.E. #37155
			DATE

		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 41
CHECKED BY		(V) 1"= N/A	JOB NO. 1096.11

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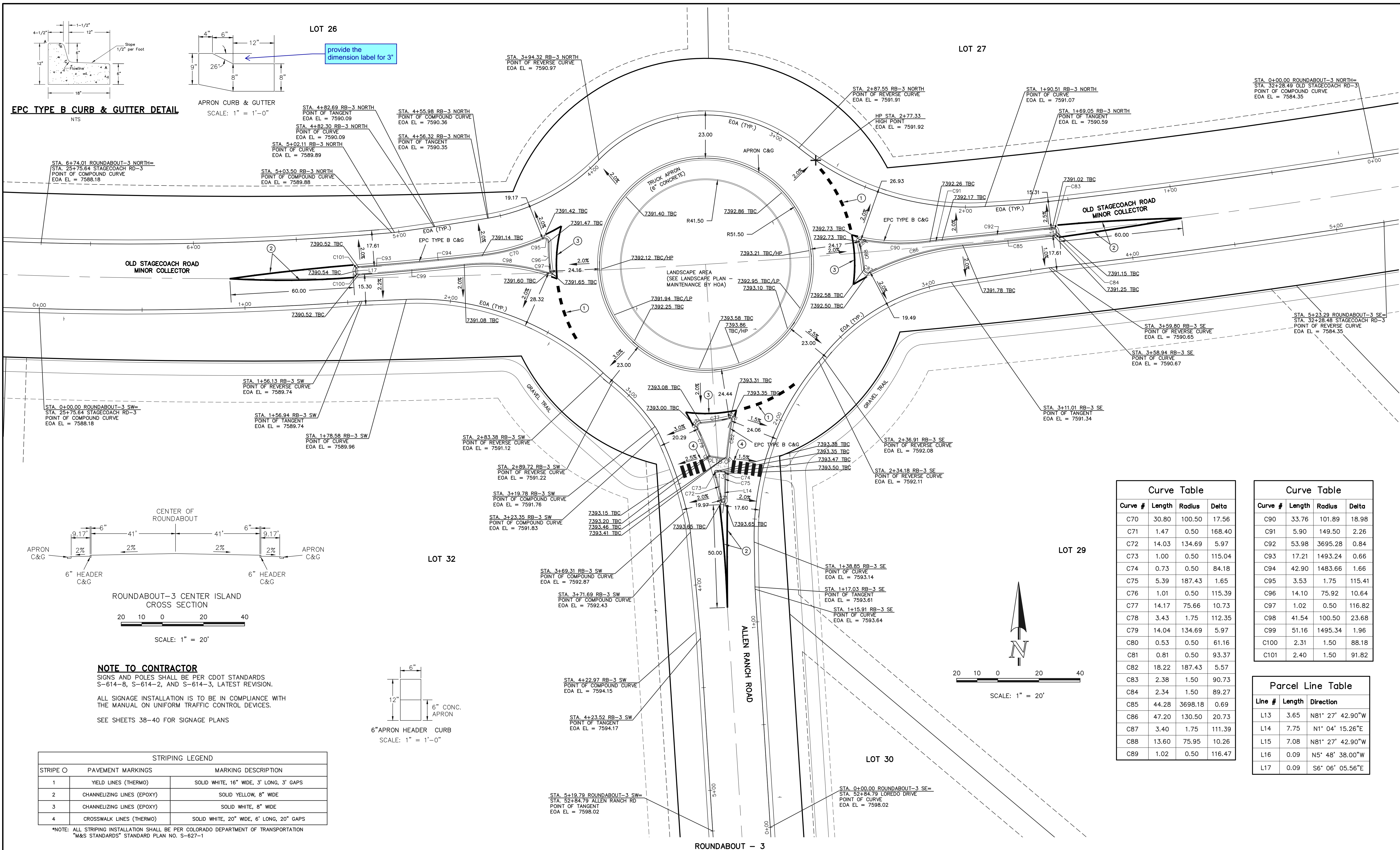


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FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN  
ROUNDABOUT-3  
PLAN AND PROFILE PLAN

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1"= 50'	SHEET	32 OF 41
CHECKED BY		(V) 1"= 5'	JOB NO.	1096.11





REVIEW:

STREET DESIGN FOR CITY ENGINEERING:

UTILITY GRADE REVIEW

TRAFFIC SIGNAGE & STRIPING

CURB & GUTTER REVIEW

FINAL REVIEW

DRAINAGE DESIGN:

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS 2001, AS AMENDED

DESIGN DATA:

SIDEWALKS: WIDTH: LOCATION:

CURB TYPE

R/W WIDTH

STREET TYPE

PAVEMENT:

TYPE: HMA PCC

THICKNESS

COMPOSITE SECTION

HMA

BASE

SUBGRADE STABILIZATION:

CHEMICAL: MECH.:

TYPE:

THICKNESS

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STREET IMPROVEMENT PLAN

ROUNDABOUT-3

STRIPING AND DETAILED GRADING PLAN

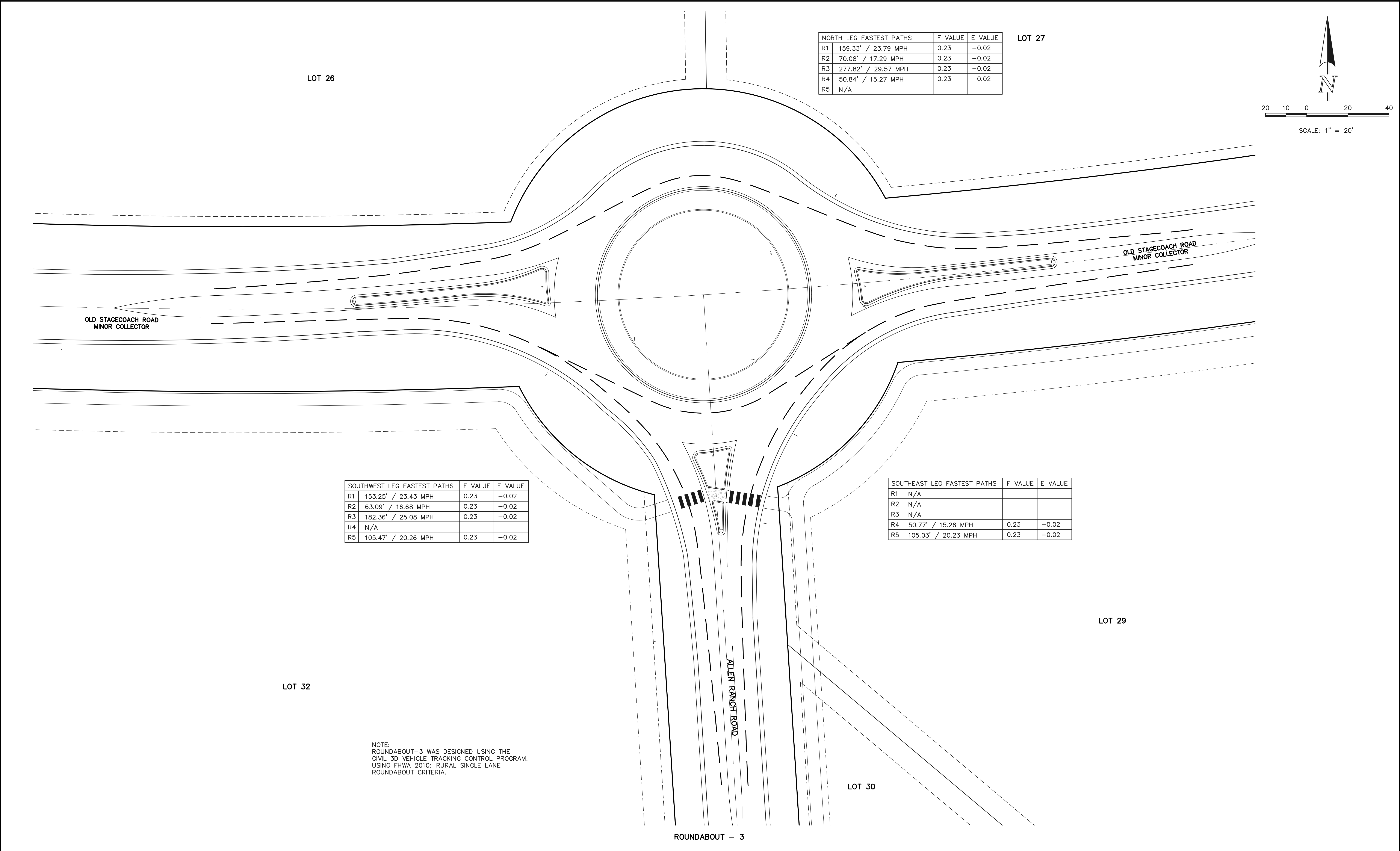
DESIGNED BY PRA SCALE DATE 08-11-17

DRAWN BY PRA (H) 1"= 20' SHEET 33 OF 41

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

N:\109611\DRAWINGS\CONSTRUCTION\109611-S-33.dwg, 8/2/2018 4:15:02 PM, 1:1





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



SCALE: 1" = 20'

LOT 26

SOUTHWEST LEG FASTEST PATHS		F VALUE	E VALUE
R1	153.25' / 23.43 MPH	0.23	-0.02
R2	63.09' / 16.68 MPH	0.23	-0.02
R3	182.36' / 25.08 MPH	0.23	-0.02
R4	N/A		
R5	105.47' / 20.26 MPH	0.23	-0.02

SOUTHEAST LEG FASTEST PATHS		F VALUE	E VALUE
R1	N/A		
R2	N/A		
R3	N/A		
R4	50.77' / 15.26 MPH	0.23	-0.02
R5	105.03' / 20.23 MPH	0.23	-0.02

LOT 29

LOT 32

LOT 30

ROUNDABOUT - 3

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. WHORTON, COLORADO P.E. #37155

DATE



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  
FASTEST PATHS

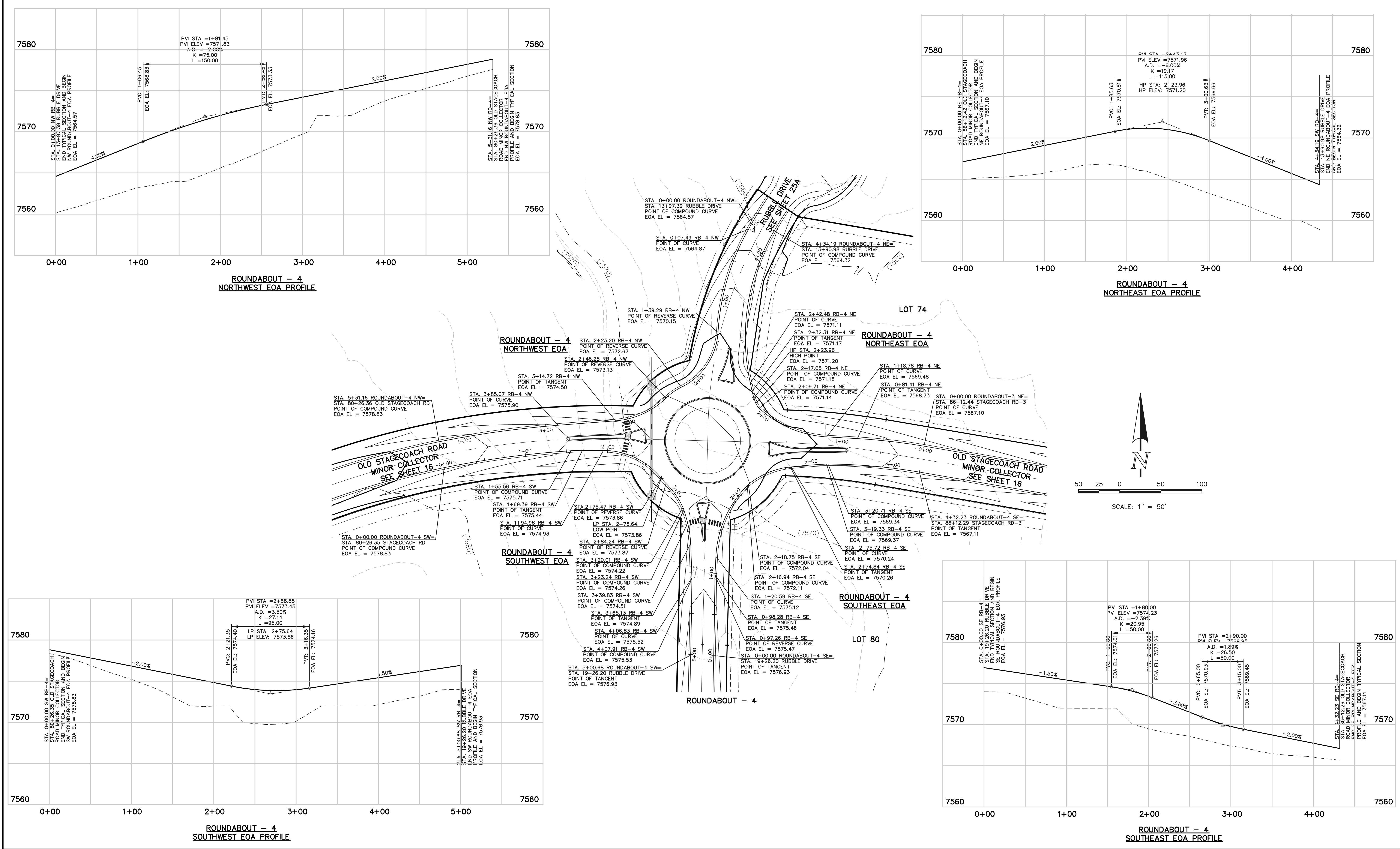
DESIGNED BY PRA SCALE DATE 08-11-17


DRAWN BY PRA (H) 1"= 20' SHEET 34 OF 41

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

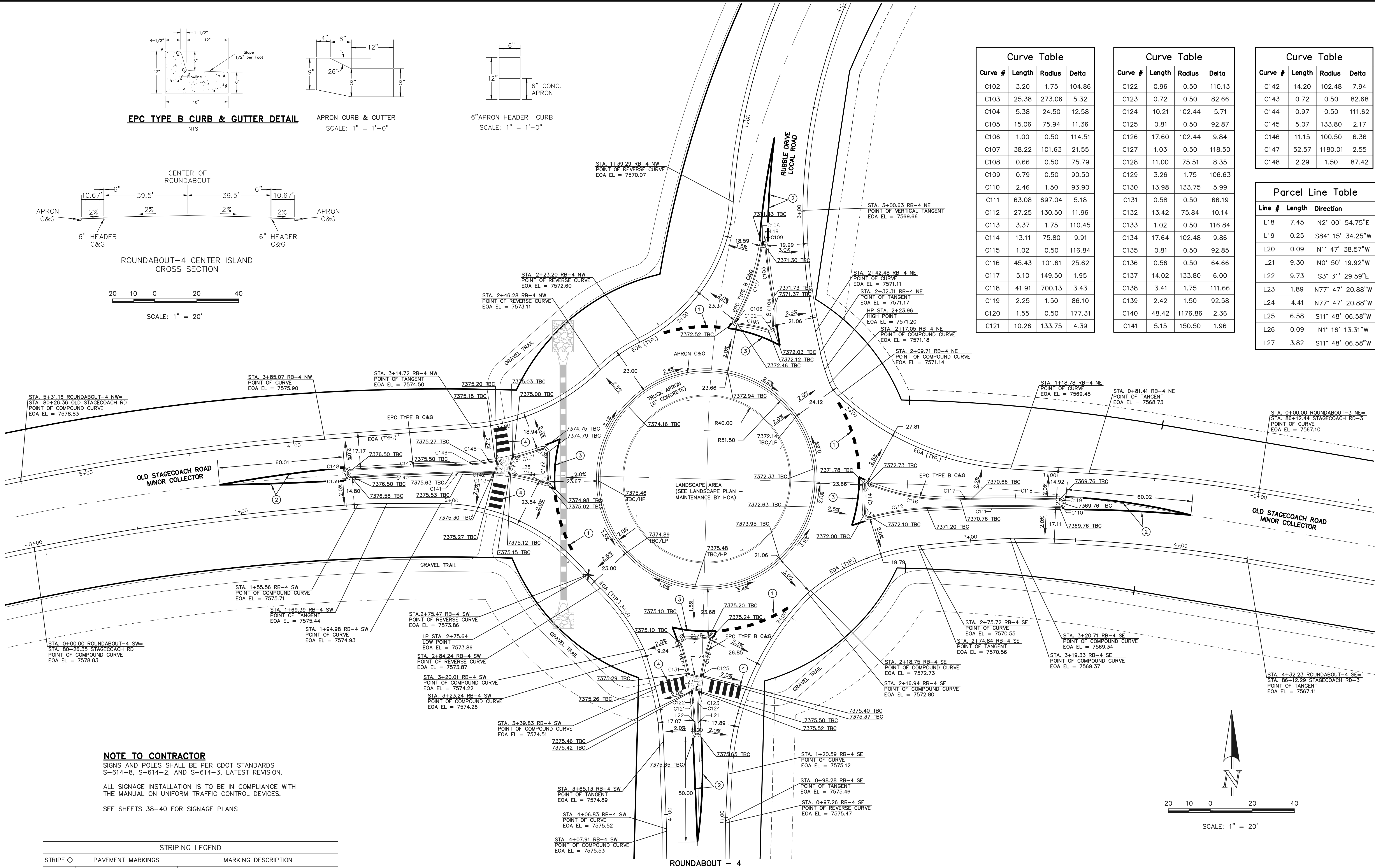
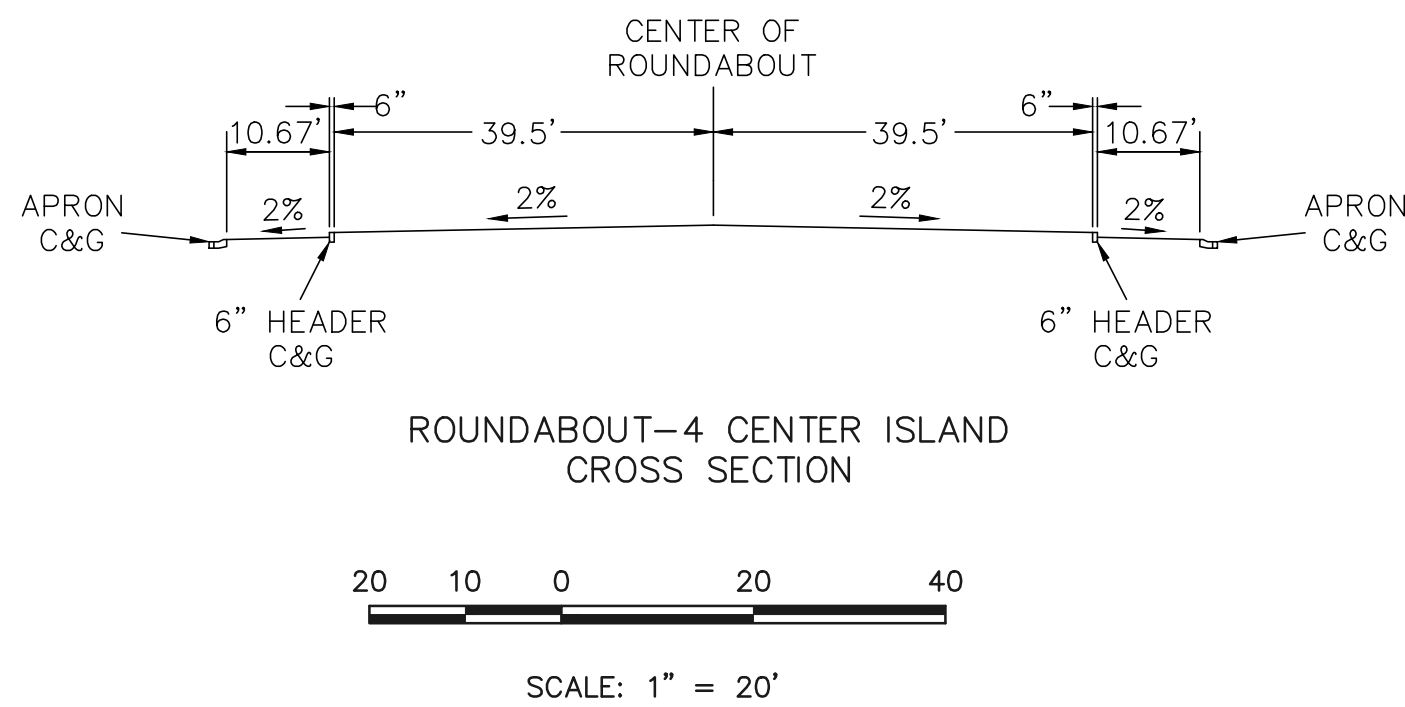
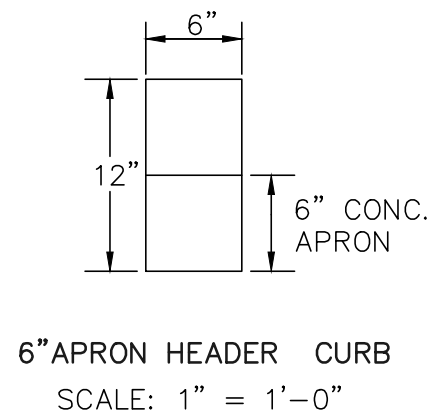
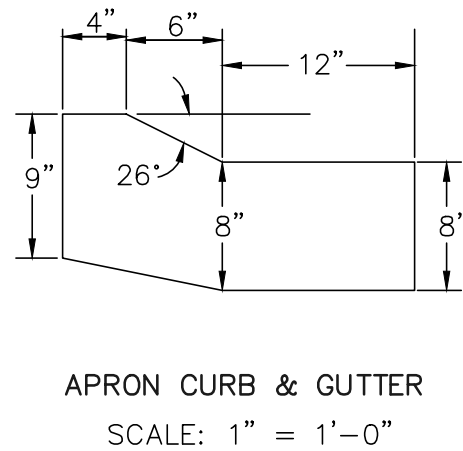
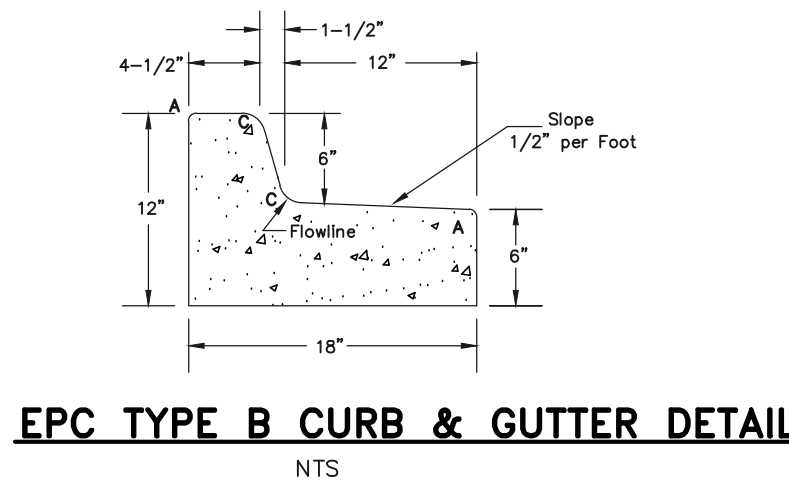






<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING 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"><thead><tr><th>NO.</th><th>REVISION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	NO.	REVISION	DATE										<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155      DATE</p>	<div><p>CLASSIC CONSULTING ENGINEERS &amp; SURVEYORS</p></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 STREET IMPROVEMENT PLAN ROUNDABOUT-4 PLAN AND PROFILE PLAN</p> <table border="1"><thead><tr><th>DESIGNED BY</th><th>PRA</th><th>SCALE</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td>08-11-17</td></tr></tbody></table> <table border="1"><thead><tr><th>DRAWN BY</th><th>PRA</th><th>(H) 1"= 50'</th><th>SHEET 35 OF 41</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <table border="1"><thead><tr><th>CHECKED BY</th><th>(V) 1"= 5'</th><th>JOB NO.</th></tr></thead><tbody><tr><td> </td><td> </td><td>1096.11</td></tr></tbody></table>	DESIGNED BY	PRA	SCALE	DATE				08-11-17	DRAWN BY	PRA	(H) 1"= 50'	SHEET 35 OF 41					CHECKED BY	(V) 1"= 5'	JOB NO.			1096.11
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Curve Table			
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 Table			
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 Table			
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	6.36
C147	52.57	1180.01	2.55
C148	2.29	1.50	87.42

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

**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	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	YIELD LINES (THERMO)	SOLID WHITE, 16" WIDE, 3' LONG, 3' GAPS
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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MARC A. WHORTON, COLORADO P.E. #37155

DATE



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

FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN

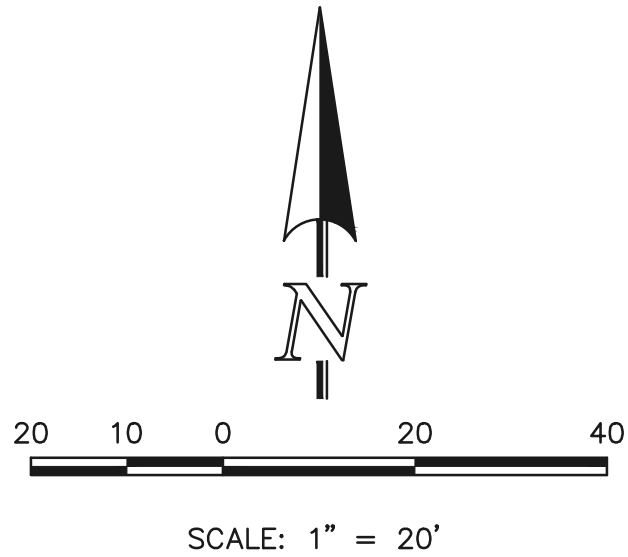
ROUNDABOUT-4  
STRIPING AND DETAILED GRADING PLAN

DESIGNED BY	PRA	SCALE	DATE	08-11-17
DRAWN BY	PRA	(H) 1"= 20'	SHEET	36 OF 41
CHECKED BY		(V) 1"= N/A	JOB NO.	1096.11





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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

OLD STAGECOACH ROAD  
MINOR COLLECTOR

OLD STAGECOACH ROAD  
MINOR COLLECTOR

UNPLATTED

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

LOT 80

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

ROUNDBOUT - 4

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

FLYING HORSE NORTH FILING NO. 1  
STREET IMPROVEMENT PLAN

ROUNDBOUT-4

FASTEST PATHS

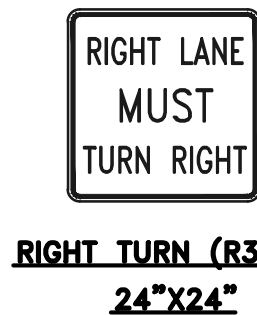
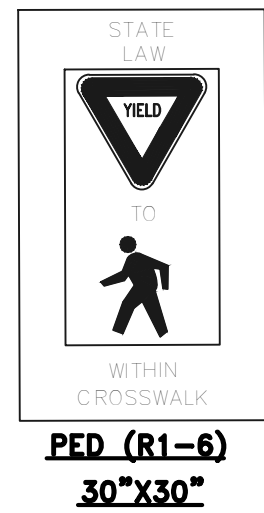
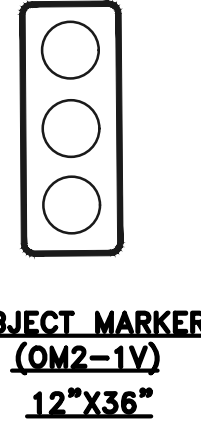
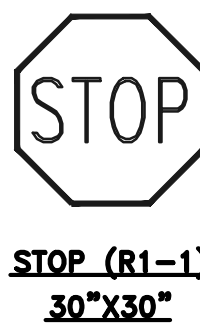
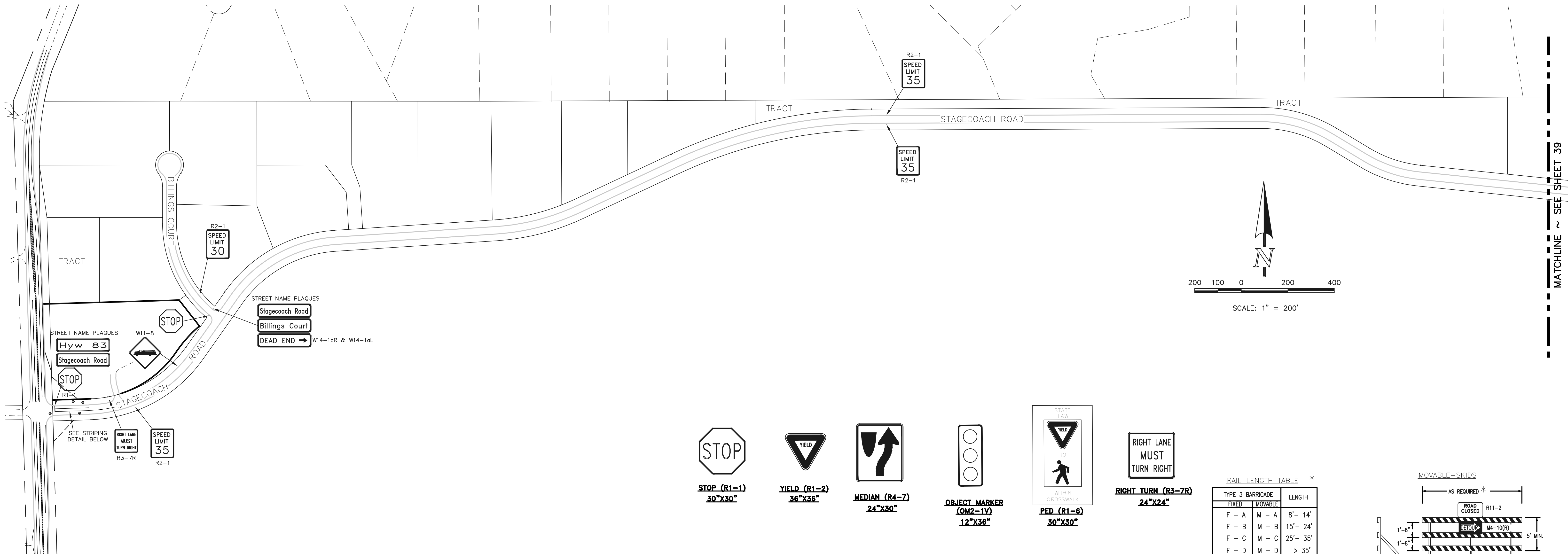
DESIGNED BY PRA SCALE DATE 08-11-17

DRAWN BY PRA (H) 1"= 20' SHEET 37 OF 41

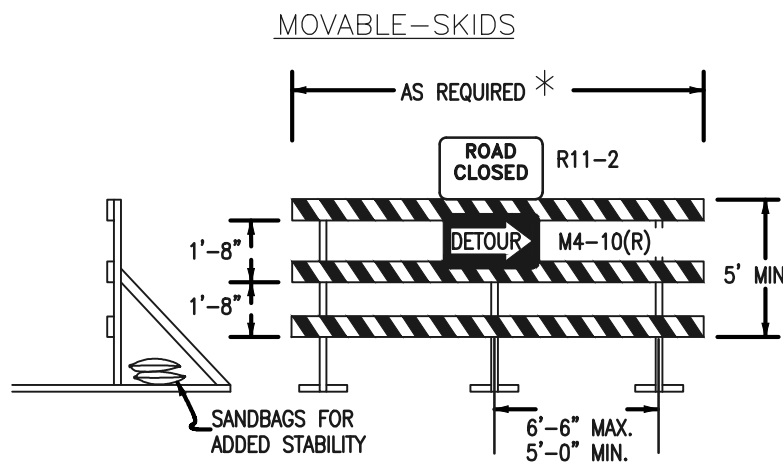
CHECKED BY (V) 1"= N/A JOB NO. 1096.11



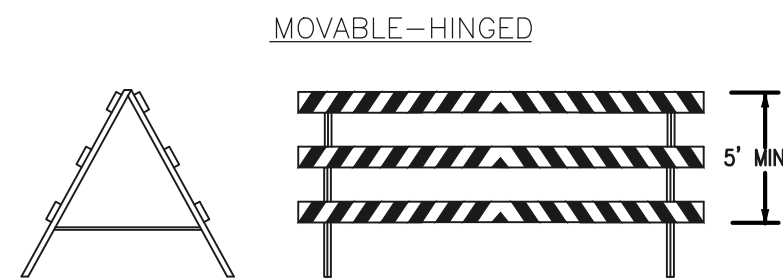
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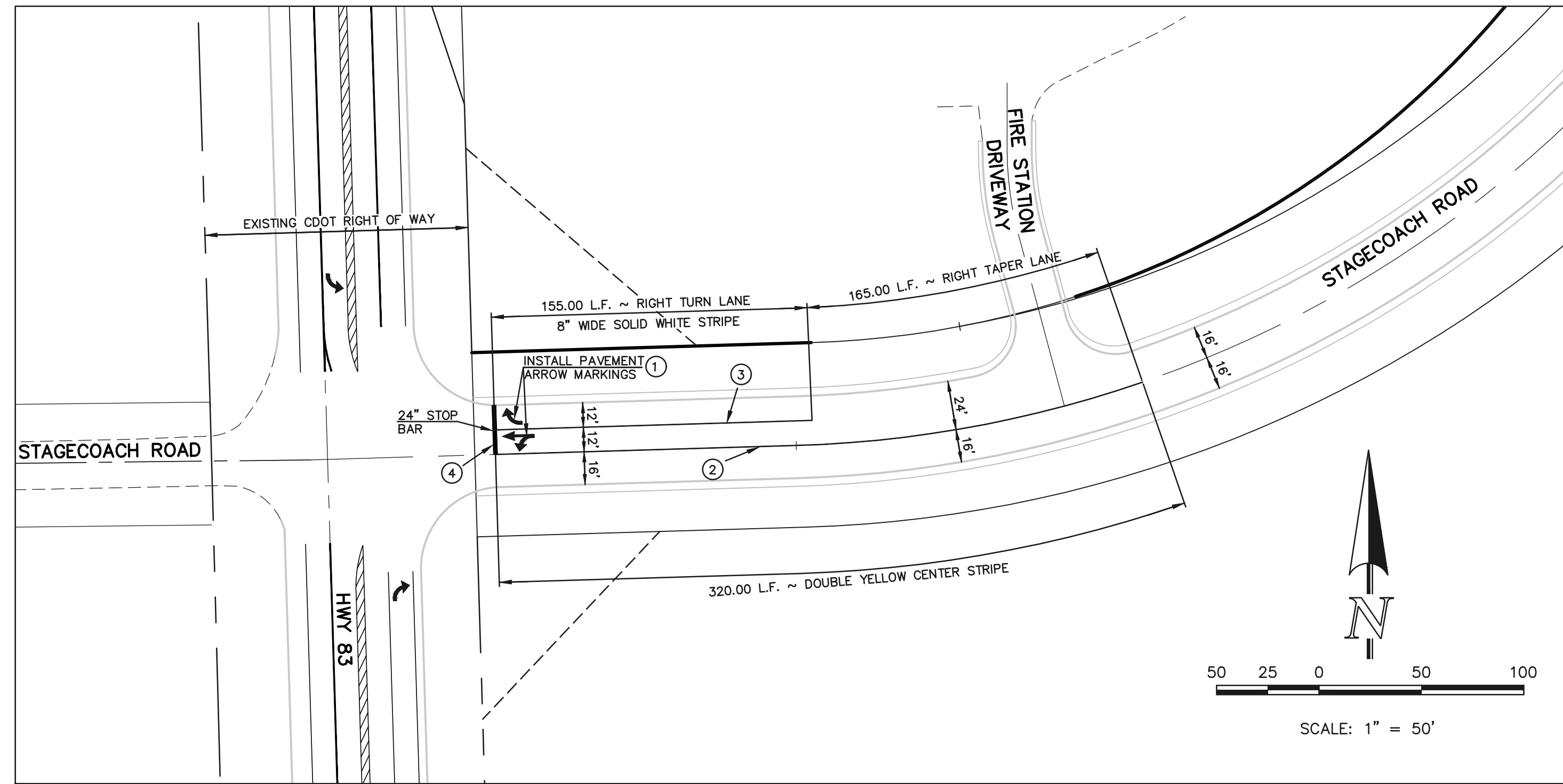
RAIL LENGTH TABLE *	
TYPE 3 BARRICADE	LENGTH
F - A	M - A 8'- 14'
F - B	M - B 15'- 24'
F - C	M - C 25'- 35'
F - D	M - D > 35'



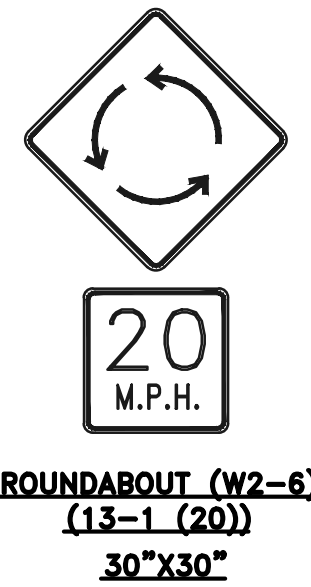
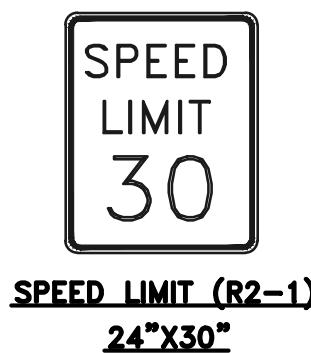
- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
  - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
  - DETACHABLE EXTENSION WING RAILS FOR BYPASSING 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:**  
ALL INTERNAL SIGNS SHALL BE 4" FONT LETTER SIZE.



**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



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 38 OF 41

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

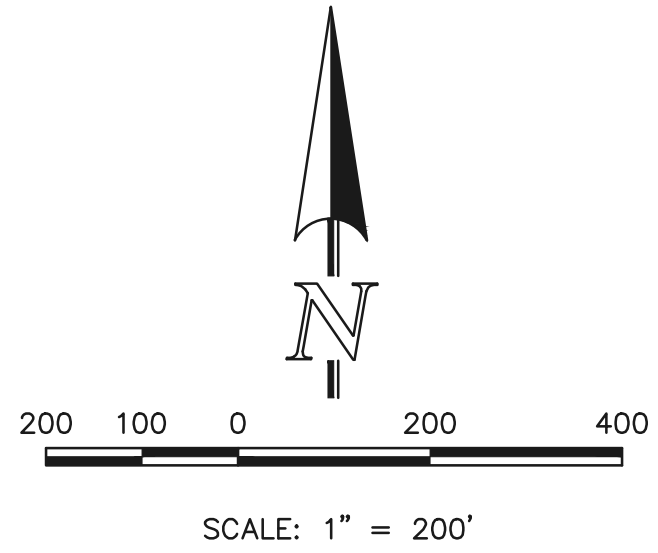
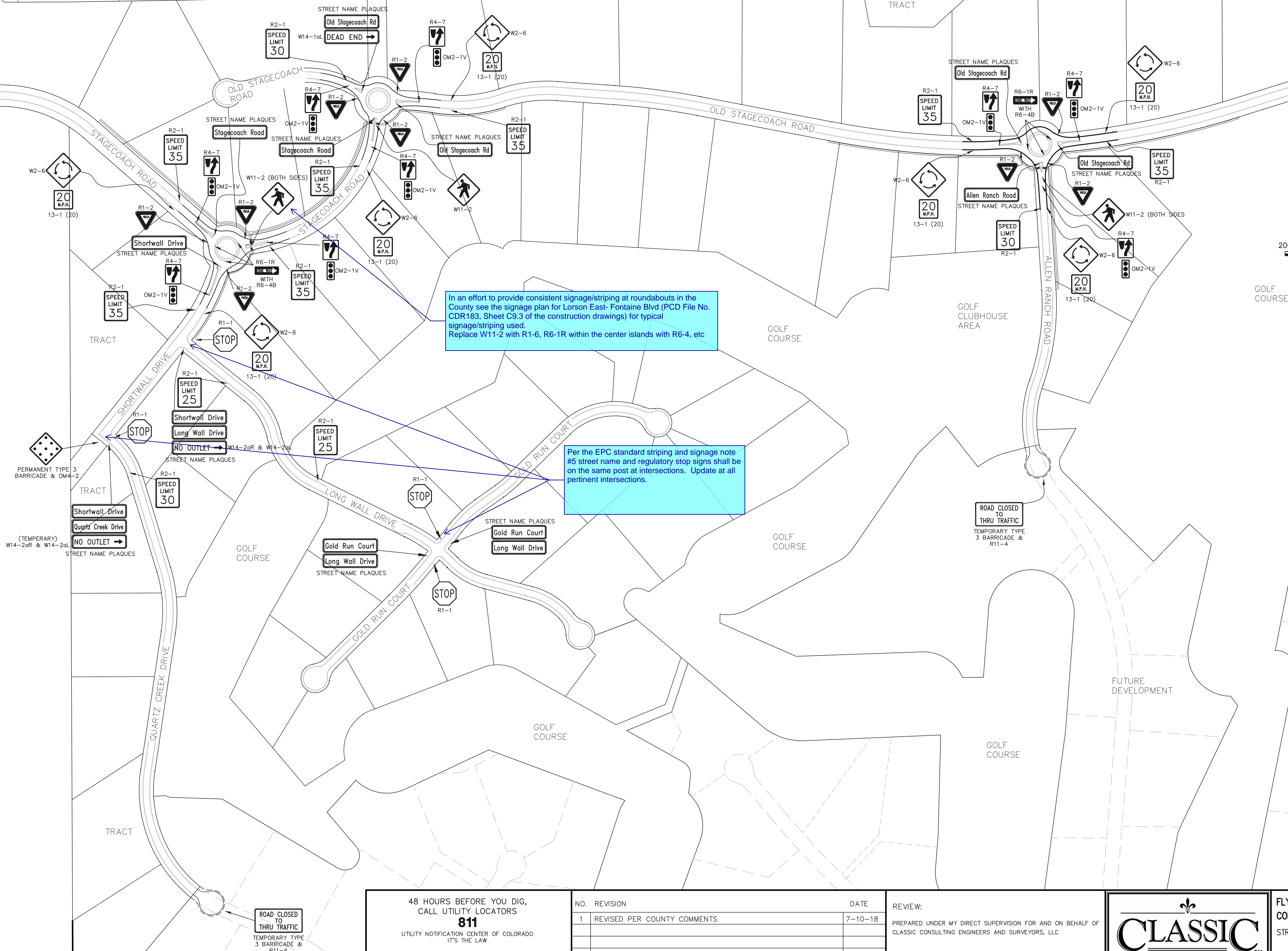




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MATCHLINE ~ SEE SHEET 38

MATCHLINE ~ SEE SHEET 40



<b>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811</b> <small>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</small>  <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>	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	<div><b>CLASSIC</b> CONSULTING ENGINEERS &amp; SURVEYORS</div> <div>619 N. Cascade Avenue, Suite 200      (719) 785-0790 Colorado Springs, Colorado 80903      (719) 785-0799 (Fax)</div>	<b>FLYING HORSE NORTH FILING NO. 1</b> <b>CONSTRUCTION DRAWINGS</b> STRIPING & SIGNAGE INDEX MAP													
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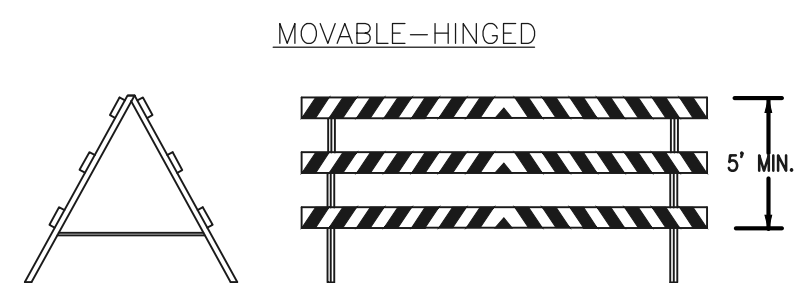
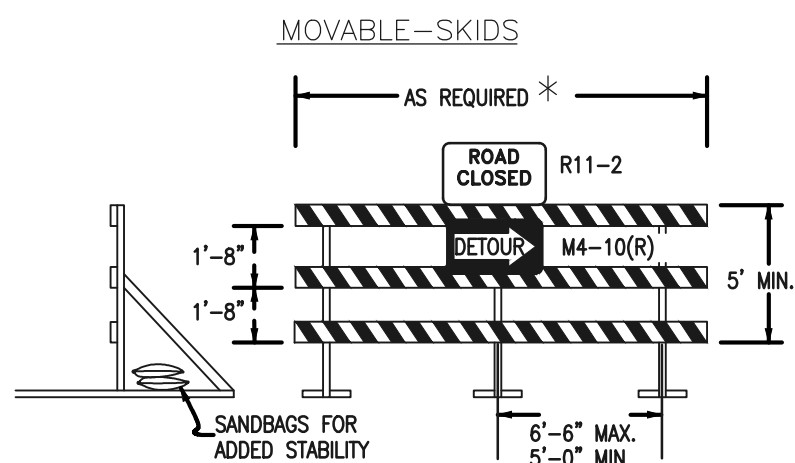


RAIL LENGTH TABLE \*

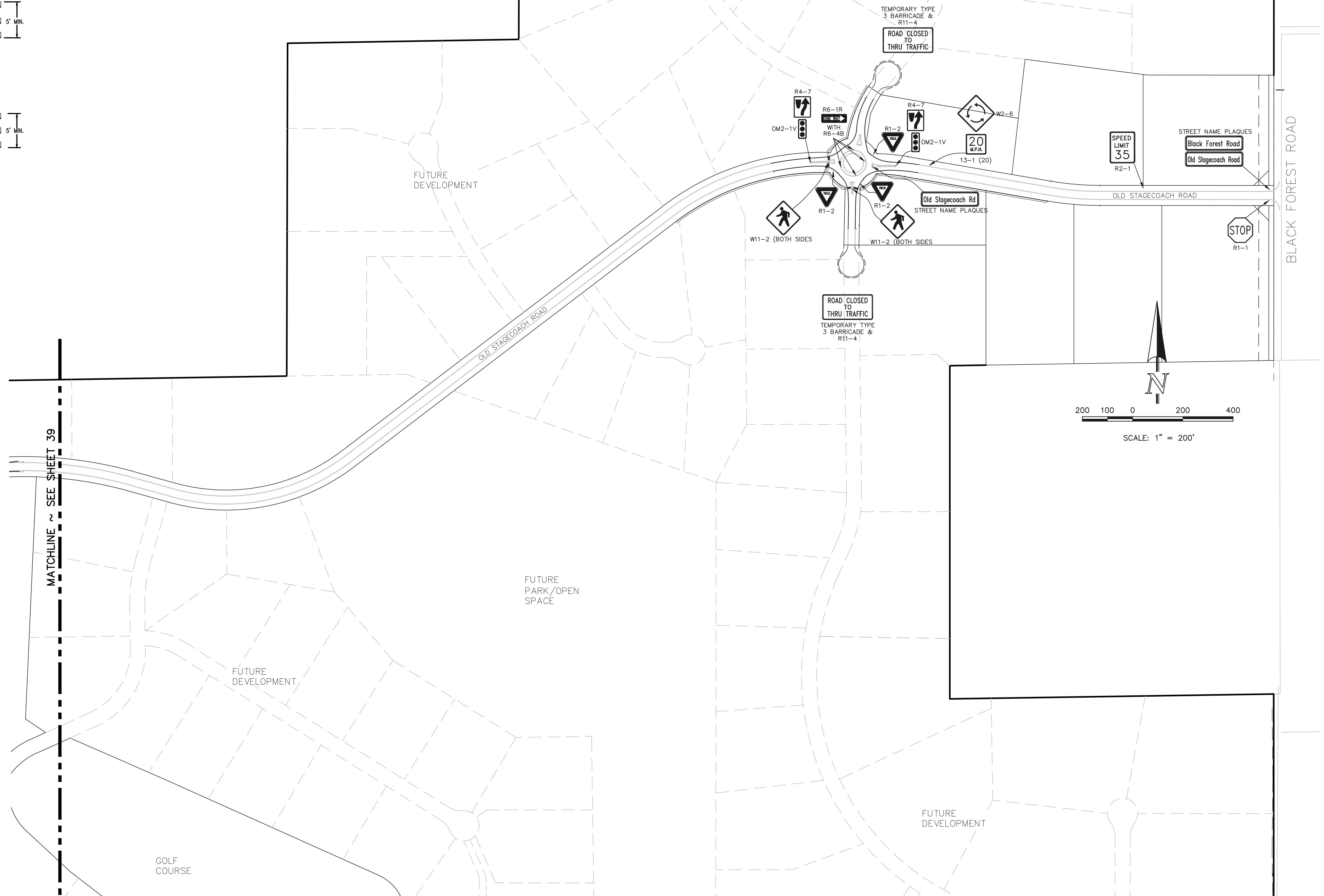
TYPE 3 BARRICADE		LENGTH
FIXED	MOVABLE	
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'

NOTES

1. TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
2. THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
3. 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



MATCHLINE ~ SEE SHEET 39

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS

UTILITY NOTIFICATION CENTER 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	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

DAT



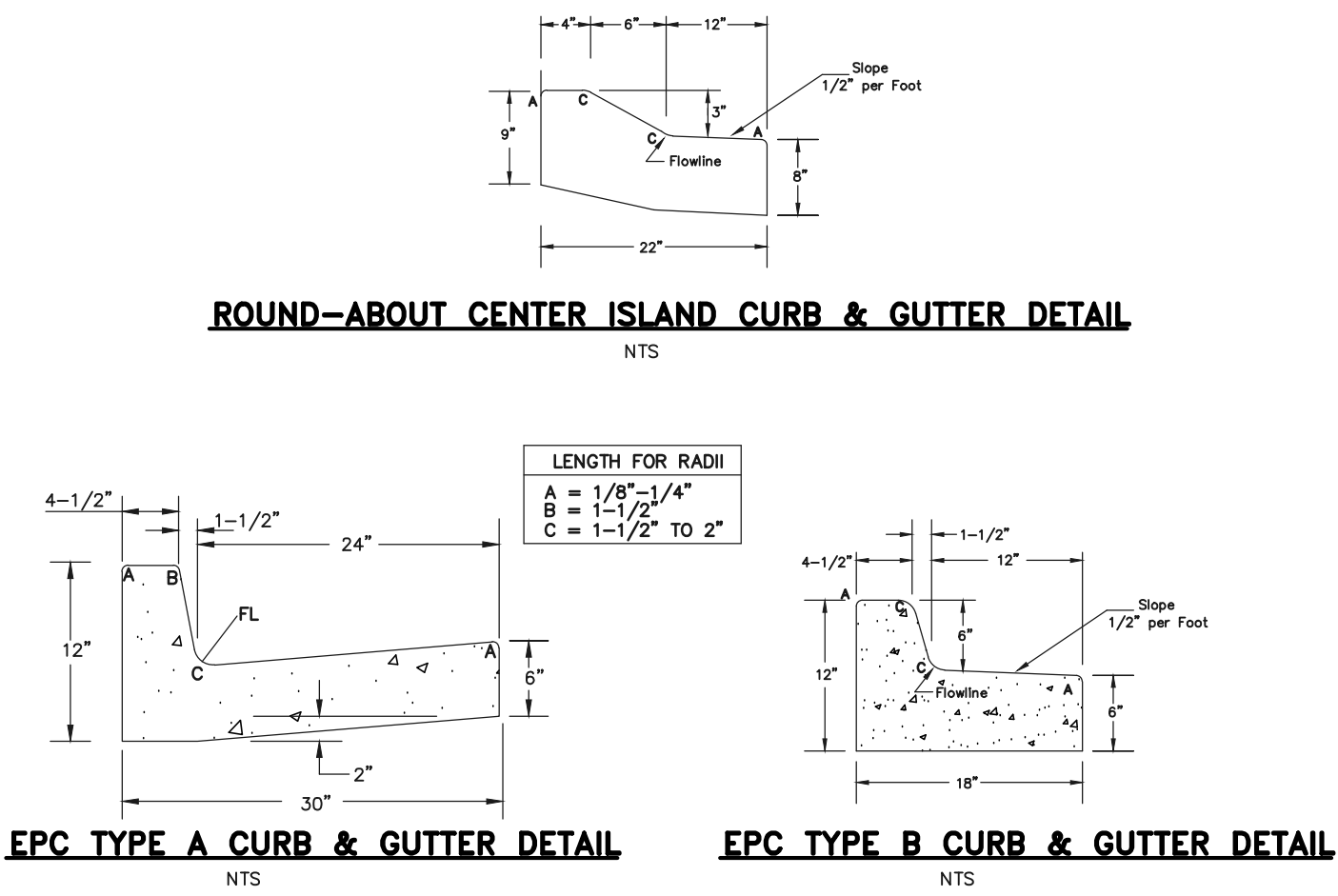
619 N. Cascade Avenue, Suite 200 (719)785-0790  
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

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

DESIGNED BY	PRA	SCALE	DATE	05-02-11
DRAWN BY	PRA	(H) 1"= 200'	SHEET	40 OF 4
CHECKED BY		(V) 1"= N/A	JOB NO.	1096.11







ROUND-ABOUT CENTER ISLAND CURB & GUTTER DETAIL

NTS

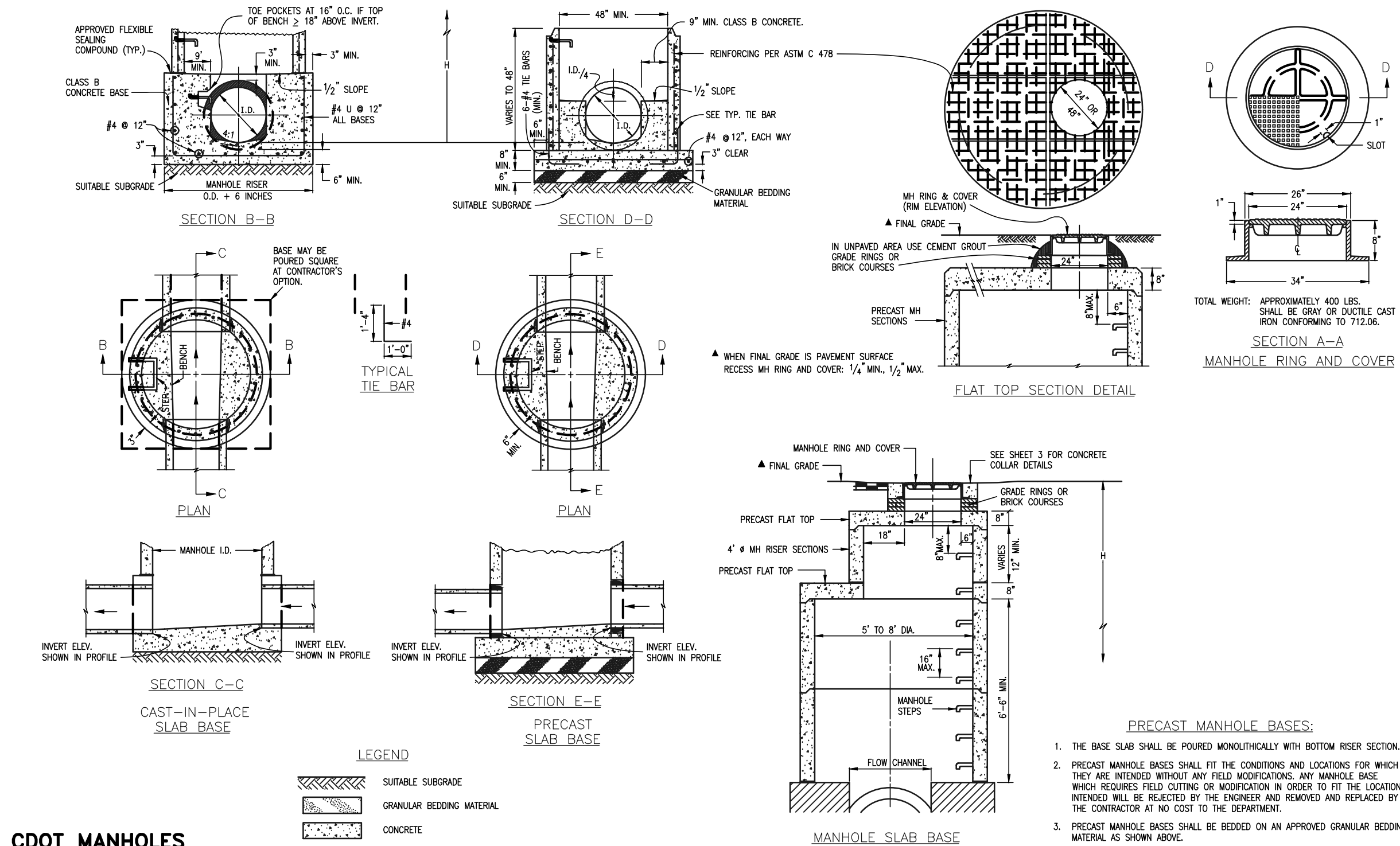
CDOT R1-1 STOP SIGN



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

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> 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		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	<div>FLYING HORSE NORTH FILING NO. 1 CONSTRUCTION PLANS DETAIL SHEET</div> <div>DESIGNED BYMAWSCALEDATE12-12-17</div> <div>DRAWN BYMAW(H) 1"= N/A SHEET 41 OF 41</div> <div>CHECKED BY(V) 1"= N/AJOB NO. 1096.11</div>	<div>CLASSIC<sup>SM</sup> CONSULTING ENGINEERS &amp; SURVEYORS</div> <div>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</div> <div>(719)785-0790 (719)785-0799(Fax)</div>