



**ADDENDUM #1  
Public Works  
Olde Stage Road Rehabilitation (Shoulder Widening & Mill/Overlay)  
BID # 7331-22**

March 16, 2022

The attached addendum supersedes the original Information and Specifications regarding BID # 7331-22 where it adds to, deletes from, clarifies or otherwise modifies. All other conditions and any previous addendums shall remain unchanged.

**ATTENTION: The plans for this project were not included in the original posting. They are included at the end of this document.**

Please note: Due to COVID-19, BIDS will only be accepted electronically by emailing [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org).

**Submittal Instructions:**

Submittals are due at the email box only, listed below, for time and date recording on or before **2:00 p.m. Mountain Time on April 13, 2022.**

**Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.**

**NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. THIS INCLUDES GOOGLE DOCS AND SIMILAR SITES. ALL SUBMITTALS MUST BE RECEIVED AS AN ATTACHMENT (E.G. PDF, WORD, EXCEL).**

**Electronic submittals must be received in the email box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This email box is only accessed on the due date of your questions or proposals. Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified**

**above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.**

Email [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org); identified as **BID # 7331-22** in the subject line.

All proposals must be received and time and date recorded at the purchasing email by the above due date and time. Sole responsibility rests with the Offeror to see that their bid is received on time at the stated location(s). Any bid received after due date and time will be returned to the bidder. No exceptions will be made.

The Board of County Commissioners reserve the right to reject any and all bids, to waive any informalities or irregularities therein, and to accept the bid that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.



**RECEIPT OF LETTER  
ACKNOWLEDGMENT**

March 16, 2022

Dear Vendor:

This is an acknowledgment of receipt of Addendum #1 for BID #7331-22, Olde Stage Road Rehabilitation (Shoulder Widening & Mill/Overlay).

In an effort to keep you informed, we would appreciate your acknowledgment of receipt of the preceding addendum. Please sign this acknowledgment and email it back to [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org) as soon as possible. If you have any questions, or problems with transmittal, please call us at 303-441-3525. This is also an acknowledgement that the vendor understands that **due to COVID-19, BIDS will only be accepted electronically by emailing [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org).**

Thank you for your cooperation in this matter. This information is time and date sensitive; an immediate response is requested.

Sincerely,

Boulder County Purchasing

**Signed by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Name of Company** \_\_\_\_\_



**GENERAL NOTES:**

- G1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019 AND THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD PLANS M&S STANDARDS, BOULDER COUNTY MULTIMODAL TRANSPORTATION STANDARDS, APPLICABLE STATE AND FEDERAL REGULATIONS, PROJECT SPECIAL PROVISIONS AND PROJECT PLANS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS, SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE MOST RESTRICTIVE STANDARD SHALL APPLY. ALL REFERENCE TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- G2. LOCATION OF STAGING AREAS, EQUIPMENT AND MATERIAL STORAGE ARE THE CONTRACTOR'S RESPONSIBILITY, AND MUST BE COORDINATED WITH THE PROPERTY OWNER.
- G3. CONTRACTOR SHALL PROTECT ALL SURVEY AND RIGHT-OF-WAY MONUMENTATION DURING CONSTRUCTION OPERATIONS. ANY MONUMENTS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE RESET BY THE CONTRACTOR AT THEIR EXPENSE, IN ACCORDANCE WITH CDOT SPECIFICATIONS, SECTION 629, SURVEY MONUMENTATION.
- G4. CONSTRUCTION SURVEYING INCLUDES ALL FIELD SURVEY STAKING AS REQUIRED FOR CONSTRUCTION OF THE PROJECT, INCLUDING LAYOUT FOR STRIPING AND PAVING MARKINGS.
- G5. CONTRACTOR SHALL PROTECT EXISTING VEGETATION NOT DESIGNATED FOR REMOVAL, INSIDE AND OUTSIDE THE PROJECT AREA, LOCATE, MARK, AND PROTECT VALVES AND CONTROL BOXES ADJACENT TO CONSTRUCTION ACTIVITIES. DAMAGED VEGETATION UNDESIGNATED FOR REMOVAL, SHALL BE REPLACED WITH SIMILAR ITEMS AT THE CONTRACTOR'S EXPENSE.
- G6. CONSTRUCTION INSPECTION AND MATERIAL TESTING WILL BE PROVIDED BY BOULDER COUNTY.
- G7. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE. ANY DISTURBANCE BEYOND THOSE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES SHALL ALSO INCLUDE VEHICLE AND EQUIPMENT PARKING, DISPOSAL OF LITTER, AND ANY OTHER ACTIVITY THAT WOULD ALTER EXISTING CONDITIONS.
- G8. UNLESS OTHERWISE SPECIFIED, REMOVAL ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVALS SHALL BE DISPOSED OF OUTSIDE OF THE PROJECT'S LIMITS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- G9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL AND SECURITY. REFER TO OSHA PUBLICATION 2226, EXCAVATING AND TRENCHING.
- G10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE BOULDER COUNTY INSPECTOR AT ALL TIMES. THESE UPDATES SHALL BE DONE AS WORK PROGRESSES. PREPARATION OF AS-BUILT PLANS WILL NOT BE PAID FOR SEPARATELY. FINAL PIPE INVERTS AND SIGN LOCATIONS SHALL BE PROVIDED IN CAD FORMAT AND SHALL BE INCLUDED IN THE WORK.
- G11. UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, OR TO THE GRADES AND CONDITION REQUIRED IN THESE PLANS. THIS WILL NOT BE PAID FOR SEPARATELY AND IS INCLUDED IN THE WORK.
- G12. DISPOSAL OF EXCESS MATERIAL OFF-SITE OR THE IMPORTING OF MATERIALS ON-SITE, REGARDLESS OF PROPERTY OWNERSHIP, MUST BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS AND POLICES.
- G13. ALL EXCESS MATERIAL GENERATED WITHIN THE PROJECT LIMITS SHALL BE REMOVED FROM THE PROJECT SITE AT NO ADDITIONAL COST TO THE PROJECT UNLESS SPECIFIED IN THE PLANS.
- G14. A BOULDER COUNTY HAULER LICENSE IS REQUIRED FOR HAULING OF MATERIAL OFF SITE, REGARDLESS OF WHERE THE MATERIAL IS DEPOSITED. THIS APPLIES TO THE PRIME CONTRACTOR AS WELL AS ANY SUBCONTRACTORS THAT COLLECT, TRANSPORT OR DISPOSE OF DISCARDED MATERIALS (GARBAGE, RECYCLABLES, OR COMPOSTABLES, CONSTRUCTION AND DEMOLITION WASTE, OR LANDSCAPING MATERIALS) IN UNINCORPORATED BOULDER COUNTY. SEE LINK FOR ADDITIONAL INFORMATION  
[HTTPS://WWW.BOULDERCOUNTY.ORG/ENVIRONMENT/TRASH/HAULER-LICENSE/](https://www.bouldercounty.org/environment/trash/hauler-license/)
- G15. THE CONTRACTOR SHALL HAVE, ONSITE AT ALL TIMES, AN UP TO DATE STORMWATER EROSION CONTROL PLAN, A BMP MAINTENANCE FOLDER, ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB. THE CONTRACTOR SHALL COMPLY WITH ALL THE TERMS AND CONDITIONS OF THE STORM WATER MANAGEMENT PLAN, AND THE EROSION CONTROL PLAN.
- G16. MUD AND DEBRIS MUST BE REMOVED FROM OLDE STAGE ROAD BY THE END OF EACH WORKING DAY BY AN APPROPRIATE MECHANICAL METHOD (I.E. STREET SWEEPER, LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY BOULDER COUNTY. POWER BROOMS WILL NOT BE ACCEPTABLE—MUST USE STREET SWEEPER. THIS WORK SHALL BE INCIDENTAL TO OTHER ITEMS.
- G17. THE CONTRACTOR SHALL PROCEED WITH ALL PERMIT ACQUISITIONS AS SOON AS HE DEEMS NECESSARY FOLLOWING THE NOTICE OF AWARD. NO CONTRACT DELAYS OR EXTENSIONS WILL BE GRANTED TO THE CONTRACTOR FOR FAILURE TO DEVELOP THE REQUIRED PLANS AND OBTAIN THE REQUIRED STATE, COUNTY, OR CITY PERMITS IN A TIMEFRAME NECESSARY TO BEGIN THE WORK AS SPECIFIED IN THE CONTRACT.
- G18. PLAN QUANTITIES OF SURFACING MATERIALS ARE BASED ON THE FOLLOWING UNIT WEIGHTS AND APPLICATION RATES:
  - A. HOT MIX ASPHALT @ 150 LBS./C.F.
  - B. TACK COAT DILUTED EMULSIFIED ASPHALT (SLOW SETTING) @ 0.10 GAL./S.Y. (DILUTED 1:1 WITH WATER)
  - C. AGGREGATE BASE COURSE @ 135 LBS./C.F.
 RATES OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.
- G19. TACK COAT WILL NOT BE REQUIRED FOR NEW PAVEMENT PLACED ON AN AGGREGATE BASE COURSE. TACK COAT WILL NOT BE PAID FOR SEPARATELY AND IS INCLUDED IN THE WORK.

- G20. CONTRACTORS SHALL CALL FOR UTILITY LOCATIONS THREE (3) WORK DAYS PRIOR TO ANY EXCAVATION AT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 (1-800-922-1987) ALSO, NOTIFY INDIVIDUAL UTILITIES 48-HOURS PRIOR TO ANY EXCAVATION.
  - G21. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
  - G22. CONTRACTORS ARE RESPONSIBLE FOR PROTECTING UTILITIES, INCLUDING ACTIVE IRRIGATION FLOWS AND DITCHES, DURING CONSTRUCTION AND SHALL HOLD THE COUNTY HARMLESS FOR DAMAGE ARISING FROM FAILURE TO ADEQUATELY PROTECT UTILITIES. CONTRACTOR SHALL COORDINATE WITH UTILITIES TO AVOID CONFLICTS WITH PROGRESS OF THE WORK. ALL UNDERGROUND UTILITY CONSTRUCTION SHALL BE COMPLETED AND ACCEPTED PRIOR TO PLACING PAVEMENT.
  - G23. UTILITY CONTACT LIST:  
THE FOLLOWING IS A LIST OF KNOWN UTILITIES WITH SERVICE WITHIN THE PROJECT AREA AND THE CONTACT INDIVIDUALS:  
CENTURYLNK TBD TBD@CENTURYLNK.COM  
XCEL BOB VOEGELY BOB.VOEGELY@XCELENERGY.COM  
COMCAST KEVIN YOUNG KEVIN.YOUNG@COMCAST.COM  
OSWD LOU BECKER INFO@ORCWATER.COM
  - G24. SWEEP DIRT AND GRAVEL FROM THE EXISTING ASPHALT SURFACE PRIOR TO PLACING HOT MIX ASPHALT. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.
  - G25. ANY LAYER OF HOT MIX ASPHALT PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
  - G26. EMULSIFIED ASPHALT (SLOW SETTING) SHALL CONSIST OF 1 PART WATER AND PART EMULSIFIED ASPHALT. EMULSIFIED ASPHALT (SLOW SETTING) WILL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.
  - G27. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED TO IMPROVE BOND AT THE FOLLOWING TIMES OR LOCATIONS:
    - BEFORE PLACING NEW PAVEMENT OVER EXISTING PAVEMENT
    - ALONG THE FACE OF ALL CURBS, GUTTERS, MANHOLES, ADJACENT EXISTING PAVEMENT, AND OTHER SURFACES AGAINST WHICH ASPHALT WILL BE PLACED BETWEEN PAVEMENT COURSES.
  - G28. DUE TO THE NATURE OF THE PROJECT, INCENTIVES WILL NOT BE USED FOR ASPHALT PAVEMENT SMOOTHNESS. PROVIDE A BITUMINOUS PAVER AND DEVICES IN ACCORDANCE WITH SUBSECTION 401.10 OF THE SPECIFICATIONS.
  - G29. THE REMOVAL OF TREES AND SHRUBBERY WITH TRUNK THICKNESSES OF 6 INCHES OR LESS WILL BE PAID FOR UNDER CLEARING & GRUBBING. ALL OTHER TREES DESIGNATED FOR REMOVAL SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO REMOVAL.
  - G30. THE RESETTING OF MAILBOXES SHALL INCLUDE ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO RESET THE POSTS IN AN EQUAL (OR BETTER) FASHION AS THEY CURRENTLY EXIST.
- EARTHWORK NOTES**
- E1. WATER SHALL BE USED AS A DUST PALLIATIVE, WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED BY THE ENGINEER. WATER USED FOR DUST PALLIATIVE AND TO OBTAIN MOISTURE DENSITY WILL NOT BE PAID FOR SEPARATELY. DEPTH OF MOISTURE - DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
    - FULL DEPTH OF ALL EMBANKMENTS
    - BASES OF CUTS AND FILLS 8 INCHES
  - E2. EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
  - E3. THE TYPE OF COMPACTION FOR EARTHWORK ON THIS PROJECT SHALL BE AASHTO T99. (STANDARD PROCTOR), PROOF ROLLING OF ALL SUBGRADE WILL BE REQUIRED PRIOR TO PAVING AND PATH PLACEMENT AND SHALL BE INCLUDED IN COST OF THE WORK. THE EQUIPMENT USED FOR PROOF ROLLING SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY.
- SIGNING, STRIPING, TRAFFIC CONTROL NOTES:**
- S1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE REQUIRED CONSTRUCTION ZONE TRAFFIC CONTROL DEVICES AND PERSONNEL PER SPECIAL PROVISIONS, SECTION 630 OF THE STANDARD SPECIFICATIONS AND THE MUTCD. THE CONTRACTOR IS PROHIBITED FROM STARTING WORK AT ANY LOCATION IF A TRAFFIC CONTROL PLAN, INCLUDING BICYCLES AND PEDESTRIANS, HAS NOT BEEN SUBMITTED AND APPROVED BY THE BOULDER COUNTY ENGINEER OR TRAFFIC ENGINEER. PLANS SHALL BE SUBMITTED A MINIMUM OF TWO WORKING DAYS PRIOR TO WORK HOWEVER CONTRACTOR SHOULD ALSO CONSIDER TIME FOR CHANGES.
  - S2. CONTRACTOR SHALL PROVIDE SAFE, LOCAL ACCESS FOR ALL ADJACENT PROPERTY OWNERS, EMERGENCY SERVICES, SCHOOL BUSES, DELIVERIES, ETC. AT ALL TIMES.
  - S3. REMOVAL OF TEMPORARY PAVEMENT MARKINGS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
  - S4. THE CONTRACTOR SHALL MAINTAIN PAVEMENT MARKINGS ON THE PROJECT AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
  - S5. TRAFFIC WILL USE THE PRESENT ROADWAY DURING CONSTRUCTION.
  - S6. ONLY ONE LANE MAY BE CLOSED TO TRAFFIC AT ANY TIME, UNLESS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL ONLY CLOSE THE SECTION OF ROADWAY REQUIRED TO PERFORM THE WORK FOR THE CURRENT CONSTRUCTION PHASE.
  - S7. TWO LANES OF TRAFFIC SHALL BE MAINTAINED DURING ALL NON-WORKING HOURS.
  - S8. THE CONTRACTOR SHALL NOT LEAVE A VERTICAL EDGE NEXT TO THE TRAVELED WAY DURING NON-WORKING HOURS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

- S9. THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS, SUNDAYS OR HOLIDAYS UNLESS THERE IS SPECIFIC WRITTEN APPROVAL BY BOULDER COUNTY.
  - S10. SIGN POSTS SHALL BE 2" X 2" X 10' (14 GAUGE) GALVANIZED PERFORATED SQUARE STEEL TUBING.
  - S11. SIGN POST BASES SHALL BE 2 1/4" X 2 1/4" (12 GAUGE, 3' IN LENGTH) GALVANIZED PERFORATED SQUARE STEEL TUBING.
  - S12. SIGN POSTS AND BASES SHALL BE INCLUDED IN THE COST FOR THE NEW SIGN PANEL OR RESET SIGN. TOP OF BASES SHALL BE 3" ± ABOVE FINISHED GRADE. THE SIGN POST SHALL BE INSTALLED 4" IN TO THE BASE AND BOLTED BOTH WAYS.
  - S13. SIGN POST LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND ROAD MAINTENANCE SIGN SHOP REPRESENTATIVE PRIOR TO INSTALLATION.
  - S14. THICKNESS OF ALL SIGN PANELS SHALL BE .100"
  - S15. FINAL PAVEMENT STRIPING SHALL BE EPOXY PER CDOT STANDARD SPECIFICATIONS.
- SUBSURFACE UTILITY ENGINEERING NOTES:**
- SU1. DREXEL, BARRELL & CO. (DBC) HAS DEPICTED UNDERGROUND UTILITIES SHOWN ON THIS PLAN WITHIN THE PROPOSED EXCAVATION LIMITS TO THE REQUIREMENTS OF COLORADO SB-18-167.
  - SU2. DBC PLACED A UTILITY LOCATE REQUEST WITH COLORADO 811 PRIOR TO 2018 AND SB-18-167. THESE MARKINGS WERE SURVEYED AND ADDED TO THE PLANS. UTILITY MAPS WERE ALSO OBTAINED AND COMPARED WITH FIELD MARKINGS.
  - SU3. BOULDER COUNTY UTILIZED ANOTHER CONSULTANT, GOODBEE & ASSOCIATES, FOR REQUIRED UNDERGROUND UTILITY RELOCATIONS IN 2018. THE FOLLOWING IS A SUMMARY OF THAT WORK:
    - A. THE WATER LINE WAS LOCATED BY POTHOLING IN SEPTEMBER 2018. THE SUCCESSFUL POTHOLES WERE NORTH AND SOUTH OF THE EXCAVATION AREA AND THE WATERLINE APPEARS TO BE OUTSIDE THE ENTIRE LIMITS OF PROPOSED EXCAVATION.
    - B. ALL UTILITY OWNERS LISTED BY UNCC WERE CONTACTED AND CONFIRMED THEIR FACILITIES ARE OVERHEAD, NOT IN PROJECT AREA, OR FOUND DURING POTHOLING.
  - SU4. THIS INVESTIGATION BY DREXEL, BARRELL & CO. DOES NOT RELIEVE THE CONTRACTOR, EXCAVATOR, OR UTILITY OWNER OF THE RESPONSIBILITY TO CALL 811 FOR UTILITY LOCATES PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY COLORADO STATE STATUTES.
  - SU5. UTILITIES ARE DEPICTED AT QUALITY LEVEL B UNLESS OTHERWISE NOTED. THE RELOCATED GAS LINE WAS NOT SURVEYED AND IS CONSIDERED QUALITY LEVEL C BY DBC.
- EROSION AND STORMWATER NOTES**
- ER1. A BOULDER COUNTY STORMWATER QUALITY PERMIT (SWQP) IS NOT REQUIRED FOR THIS PROJECT. BECAUSE IT IS LESS THAN ONE ACRE.
  - ER2. THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM WATER AT ALL TIMES. AREA AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER SHALL BE PROMPTLY DEWATERED AND RESTORED AT NO COST TO THE OWNER. THIS SHALL INCLUDE REMOVAL OF ANY DEBRIS CAUSED BY FLOODING.
  - ER3. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION AND AT AREAS WITH DISTURBED SOIL, ON OR OFF SITE, PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREA IS STABILIZED WITH HARD SURFACE OR LANDSCAPING. EROSION CONTROL MEASURES SHALL BE PLACED CONTINUALLY AS DRAINAGE FEATURES ARE BEING CONSTRUCTED.
  - ER4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN EXISTING CONTROL MEASURES AND ENSURE THEIR COMPLETE REMOVAL FROM THE PROJECT ONCE 70% OF THE PRE-EXISTING VEGETATION HAS BEEN RE-ESTABLISHED.
  - ER5. SEE STORMWATER MANAGEMENT PLAN.
  - ER6. CONTRACTOR/PERMITEE SHALL PERIODICALLY INSPECT ALL INSTALLED CONTROL MEASURES, PROVIDE MAINTENANCE, AND MAKE REPAIRS AS NECESSARY TO PREVENT THEIR FAILURE.
  - ER7. SILT FENCE OR AN EQUIVALENT SHALL BE PLACED AS PERIMETER CONTROL ON ALL CONSTRUCTION ACTIVITIES THAT OCCUR ON LAND. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR OTHERWISE REQUESTED, REMOVE PERIMETER CONTROLS WITHIN 30 DAYS AFTER THE DATE OF WARRANTY PERFORMANCE OF THE WORK OR IN ACCORDANCE WITH CONTROL MEASURES.
  - ER8. ALL INLETS AND CULVERTS SHALL BE PROTECTED DURING ONSITE CONSTRUCTION ACTIVITIES. INLET PROTECTION LOCATIONS SHALL BE RECORDED ON THE SWMP SITE MAP.
  - ER9. CONCRETE WASTED IN DESIGNATED DEWATERING AREAS SHALL BE COLLECTED, REMOVED FROM THE PROJECT SITE, AND DISPOSED OF PROPERLY. WASTED CONCRETE ALSO INCLUDES EXCESS CONCRETE REMOVED FROM FORMS, SPILLS, SLOP, AND ALL OTHER UNUSED CONCRETE THAT ENDS UP ON THE GROUND.
  - ER10. THE CONTRACTOR/PERMITEE MUST MAINTAIN A SPILL KIT ON SITE WHEN WORKING AROUND SURFACE WATERS. IF POLLUTANTS ARE SPILLED INTO ANY SURFACE WATERS DURING THE COURSE OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR/PERMITEE MUST NOTIFY THE OWNER'S REPRESENTATIVE OR ENGINEER IMMEDIATELY.
  - ER11. ALL EXISTING MATURE TREES WITHIN THE DESIGNATED PROJECT AREA ARE TO BE FENCE PROTECTED IN PLACE AT DRIPLINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PRIOR TO THE INITIATION OF WORK, THE ENGINEER SHALL MARK ANY TREES AND/OR LARGE SHRUBS TO BE REMOVED AS PART OF CONSTRUCTION ACTIVITIES. AREAS OF TREE REMOVAL SHALL BE DETERMINED AND MARKED IN COLLABORATION BETWEEN THE CONTRACTOR/PERMITEE AND THE ENGINEER.
  - ER12. ALL EXCAVATION ACTIVITIES OCCURRING WITHIN 10 FEET OF THE DRIPLINE SHALL BE PERFORMED BY HAND AND IF NECESSARY, ROOTS SHALL BE CLEANLY CUT NOT TORN OR RIPPED. IF EXPOSED, TREE ROOTS SHALL BE BACKFILLED AND WATERED ON THE SAME DAY OF CUTTING AND APPROVED ROOT STIMULATOR SHALL BE APPLIED. SOILS SHALL NOT BE COMPACTED WITHIN THE DRIPLINE OF MATURE TREES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

**LEGEND**

PROPERTY/ ROW LINE.....	
PROPOSED STORM SEWER.....	
PROPOSED SIGN.....	
PROPOSED SWALE.....	
PROPOSED SAW CUT LINE.....	
EXISTING INDEX CONTOUR.....	
EXISTING INTERMEDIATE CONTOUR.....	
PROJECT LIMITS OF DISTURBANCE LINE.....	
PROPOSED INDEX CONTOUR.....	
PROPOSED INTERMEDIATE CONTOUR.....	
PROPOSED ASPHALT (OVERLAY).....	
PROPOSED GRAVEL.....	
PROPOSED TOPSOIL & NATIVE SEEDING.....	
W/ SOIL RETENTION BLANKET	
EXISTING CONCRETE.....	
EXISTING STORM LINE.....	
EXISTING FIBER OPTIC LINE.....	
EXISTING CABLE TV LINE.....	
EXISTING FENCE.....	
EXISTING TELEPHONE LINE.....	
EXISTING WATER LINE.....	
EXISTING GAS LINE.....	
EXISTING ELECTRICAL LINE.....	
EXISTING PETROLEUM LINE.....	
EXISTING UTILITY POLE.....	
EXISTING STORM MANHOLE/INLETS.....	
EXISTING UTILITY BOX.....	
EXISTING LIGHT POLE.....	
EXISTING TREE.....	
EXISTING SIGN.....	
EXISTING FIRE HYDRANT/ WATER VALVE & METER.....	
UTILITY POTHOLE.....	

PREPARED BY:

**DBC**  
Drexel, Barrell & Co.  
Engineers-Surveyors  
1800 38TH STREET  
BOULDER, COLORADO 80301  
CONTACT: DEREK SCHULER, P.E.  
(303) 442-4338  
BOULDER  
COLORADO SPRINGS  
GREELEY

OWNER/CLIENT:

**Boulder County**  
2525 13TH STREET, SUITE 203  
PO BOX 471  
BOULDER, CO 80306  
(303) 682-8779  
COLTON COUGHNIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS

FILE NAME: 20940-01\_NT01

ORIGINAL DRAWING SCALE:	
HORIZONTAL:	N/A
VERTICAL:	N/A

GENERAL NOTES & LEGEND

PROJECT: 20940-01BLTR  
DRAWING NO.

**NT01**

SHEET: 02 OF 40



PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-100-1	STANDARD SYMBOLS (3 SHEETS).....	1-3
<input type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS).....	4-7
<input type="checkbox"/> M-203-1	APPROACH ROADS.....	8
<input type="checkbox"/> M-203-2	DITCH TYPES.....	9
<input type="checkbox"/> M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS).....	10-12
<input type="checkbox"/> M-203-12	SUPERELEVATION STREETS (2 SHEETS).....	13-14
<input type="checkbox"/> M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS).....	15-16
<input type="checkbox"/> M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS).....	17-18
<input checked="" type="checkbox"/> M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS).....	19-29
<input type="checkbox"/> M-210-1	MAILBOX SUPPORTS (2 SHEETS).....	30-31
<input type="checkbox"/> M-214-1	NURSERY STOCK DETAILS.....	32
<input type="checkbox"/> M-216-1	SOIL RETENTION COVERING (2 SHEETS).....	33-34
<input type="checkbox"/> M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS).....	<del>35-39</del>
	<i>(REVISED ON JANUARY 31, 2022)</i>	
<input type="checkbox"/> M-412-2	CONCRETE PAVEMENT CRACK REPAIR (4 SHEETS).....	
	<i>(NEW, ISSUED ON OCTOBER 7, 2019)</i>	
<input type="checkbox"/> M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING.....	40
<input type="checkbox"/> M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	41-42
	(2 SHEETS)	
<input type="checkbox"/> M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	43-44
	(2 SHEETS)	
<input type="checkbox"/> M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	45-46
	(2 SHEETS)	
<input type="checkbox"/> M-601-10	HEADWALL FOR PIPES.....	47
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**COLORADO**  
**DEPARTMENT OF TRANSPORTATION**  
**M&S STANDARDS PLANS LIST**  
 July 31, 2019  
 Revised on January 31, 2022

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX , AND WILL BE ATTACHED TO THE PLANS. ALL THE OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

PREPARED BY:



OWNER/CLIENT:



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 COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
 BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_MS01

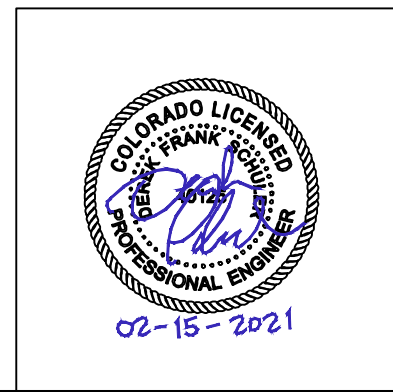
ORIGINAL DRAWING SCALE:  
 HORIZONTAL: N/A  
 VERTICAL: N/A

CDOT M&S  
 STANDARD  
 PLAN LIST

PROJECT: 20940-01BLTR  
 DRAWING NO.

**MS01**

SHEET: 03 OF 40



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SUMMARY OF APPROXIMATE QUANTITIES								
ITEM NO.	CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	SHOULDER WIDENING		MILL & OVERLAY		PROJECT TOTALS
				PLAN	AS CONSTRUCTED	PLAN	AS CONSTRUCTED	
SHOULDER WIDENING & MILL/OVERLAY								
1	201-00000	CLEARING AND GRUBBING (SPECIAL)	LS	1				1
2	202-00035	REMOVAL OF PIPE	LF	33				33
3	202-00035	REMOVAL OF PIPE (MISC)*	LF	250				250
4	202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	18				18
5	202-00220	REMOVAL OF ASPHALT MAT (6 INCH)	SY	254				254
6	202-00240	REMOVAL OF ASPHALT MAT (PLANING)-1/2"	SY	6,250		37,639		43,889
7	202-05006	SAWING CONCRETE (6 INCH)-DRIVEWAY	LF	28				28
8	202-05026	SAWING ASPHALT MATERIAL (6 INCH)	LF	2,287				2,287
9	203-00000	UNCLASSIFIED EXCAVATION	CY	200				200
10	207-00205	TOPSOIL (SPECIAL)	CY	27				27
11	208-00007	EROSION LOG (8 INCH)	LF	219				219
12	210-00010	RESET MAILBOX STRUCTURE	EA	14				14
13	210-00810	RESET GROUND SIGN	EA	5				5
14	210-04000	ADJUST TIMBER WALL	EA	1				1
15	212-00006	SEEDING (NATIVE)	ACRE	0.05				0.05
16	213-00003	MULCHING (WEED FREE)	ACRE	0.05				0.05
17	304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	578		1,103		1,681
18	403-33721	HOT MIX ASPHALT (GRADING S)(75)(PG 58-28) - 4.5" TOTAL (SPECIAL)	TON	915				915
19	403-34721	HOT MIX ASPHALT (GRADING SX)(75)(PG 58-28) - 2" TOTAL (SPECIAL)	TON	774				774
20	403-33721	HOT MIX ASPHALT (GRADING S)(75)(PG 58-28) - 2" M/O ROADWAY (SPECIAL)	TON			4,141		4,141
21	403-34721	HOT MIX ASPHALT (GRADING SX)(75)(PG 58-28) - 2" M/O ROADWAY (SPECIAL)	TON			4,141		4,141
22	403-34721	HOT MIX ASPHALT (GRADING SX)(75)(PG 58-28) - 4" TOTAL DRIVEWAY (SPECIAL)	TON	96		392		488
23	506-00206	RIPRAP (6 INCH)	CY	5				5
24	603-10180	18 INCH CORRUGATED STEEL PIPE	LF	32				32
25	603-10180	18 INCH CORRUGATED STEEL PIPE (MISC)*	LF	250				250
26	603-30018	18 INCH STEEL END SECTION	EA	2				2
27	614-00011	SIGN PANEL (CLASS I) & POST	SF	10				10
28	625-00000	CONSTRUCTION SURVEYING (SPECIAL)	LS			1		1
29	626-00000	MOBILIZATION	LS			1		1
30	627-00005	EPOXY PAVEMENT MARKING	GAL	37		173		210
31	630-00016	TRAFFIC CONTROL (SPECIAL)	LS			1		1
32	630-80355	PORTABLE MESSAGE SIGN PANEL	EA			3		3
33	700-70010	F/A MINOR CONTRACT REVISIONS	F A			1		1

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
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BID SET	02/15/22
DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_SQ01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

SUMMARY OF APPROXIMATE QUANTITIES

PROJECT: 20940-01BLTR  
DRAWING NO.

**SQ01**

SHEET: 04 OF 40



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 DRAWN BY: KRC  
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 FILE NAME: 20940-01\_TS01



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Call before you dig.



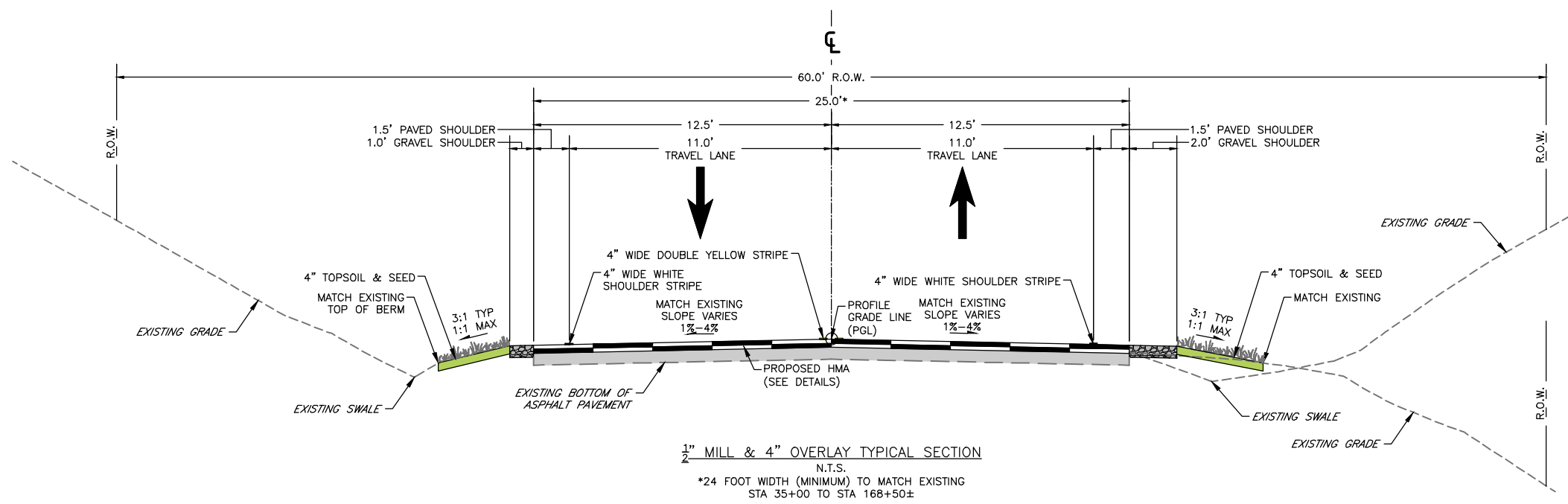
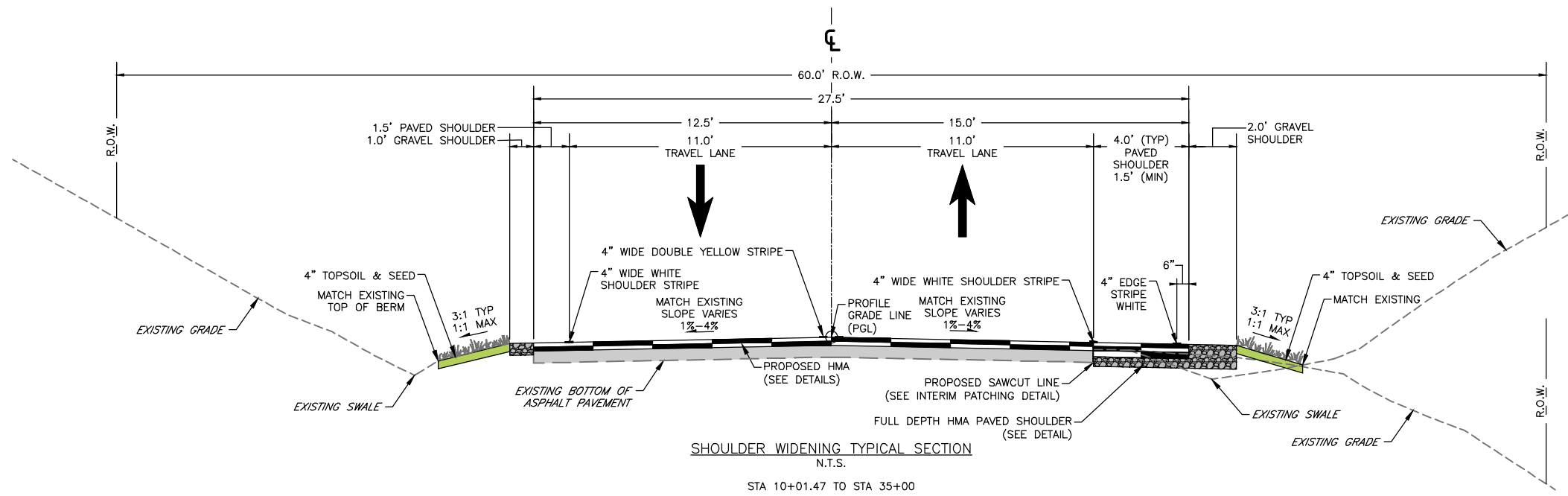
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TYPICAL SECTION

PROJECT: 20940-01BLTR  
DRAWING NO.

**TS01**

SHEET: 05 OF 40



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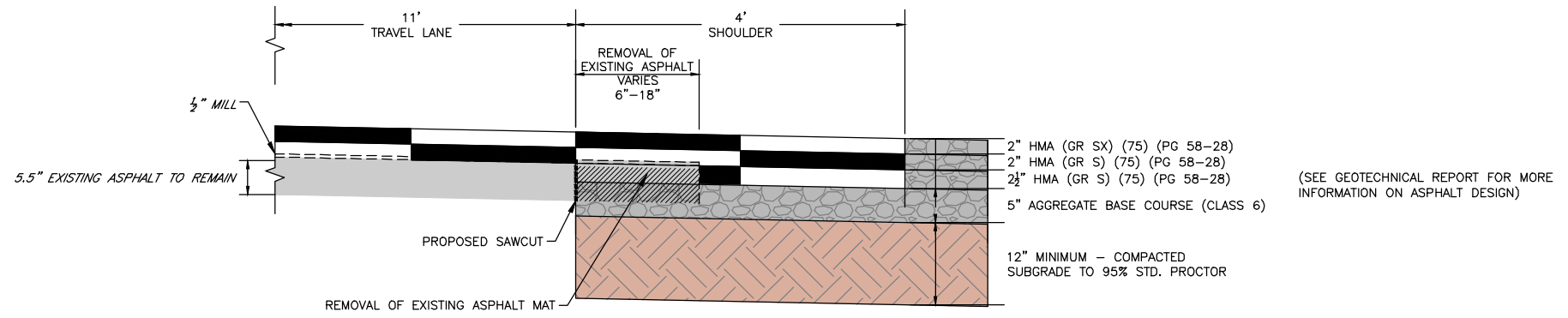
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TYPICAL SECTION

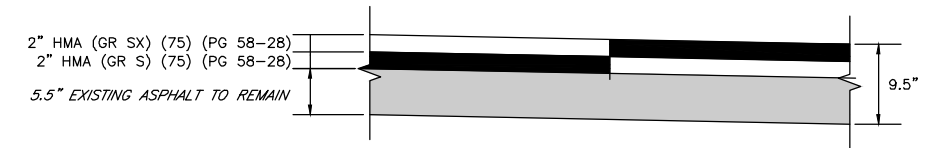
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**TS02**

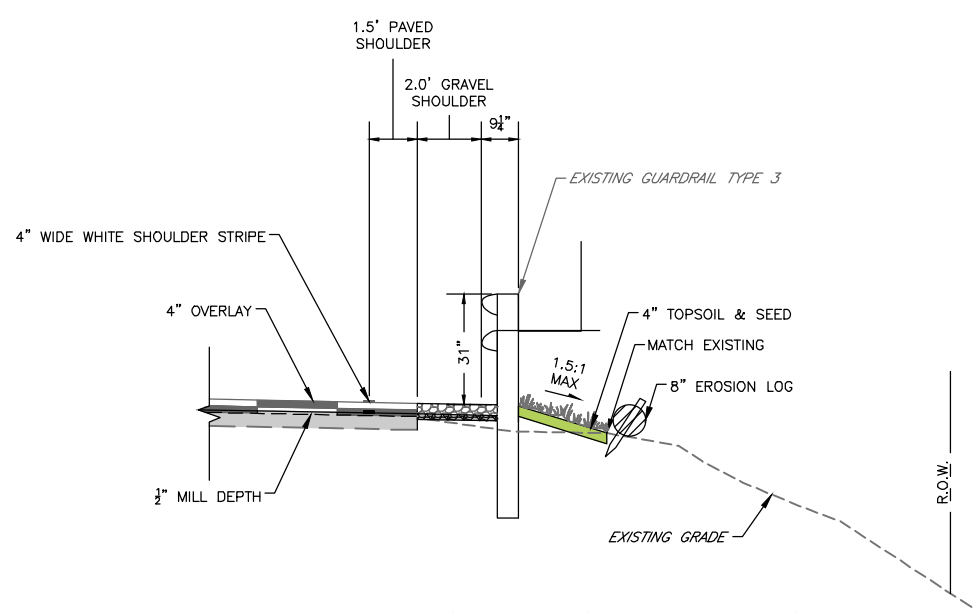
SHEET: 06 OF 40



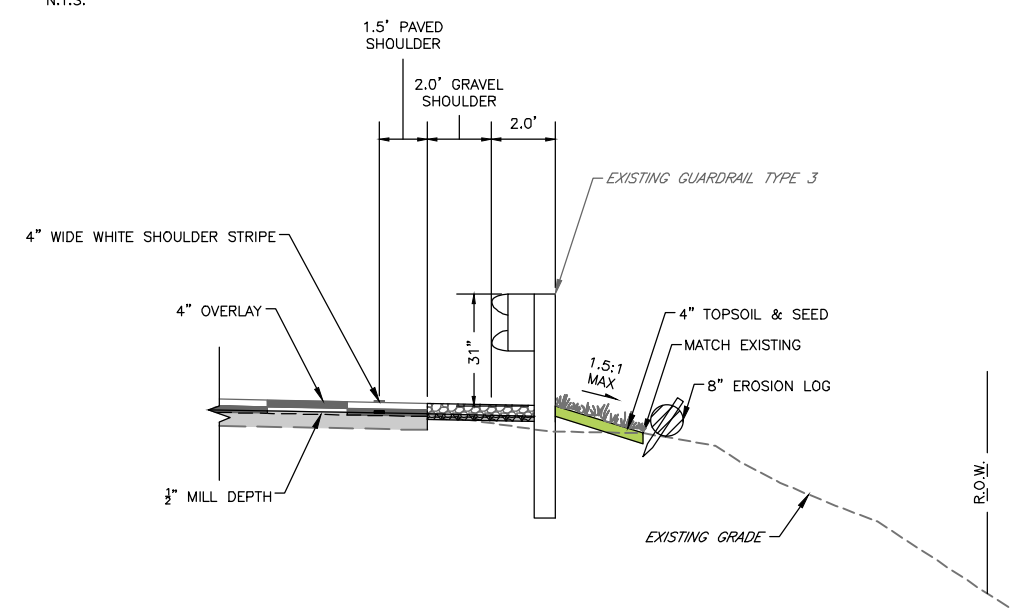
SHOULDER WIDENING DETAIL  
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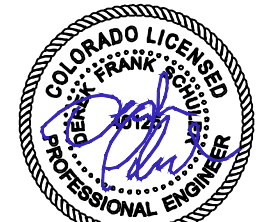
1/2" MILL & 4" OVERLAY HMA DETAIL  
N.T.S.



TYPICAL SECTION W/ GUARDRAIL (RESTRICTIVE SECTION)  
N.T.S.



TYPICAL SECTION W/ GUARDRAIL  
N.T.S.



02-15-2021

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CONSTRUCTION PLANS FOR:  
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 DRAWN BY: KRC  
 CHECKED BY: DFS  
 FILE NAME: 20940-01\_DT01

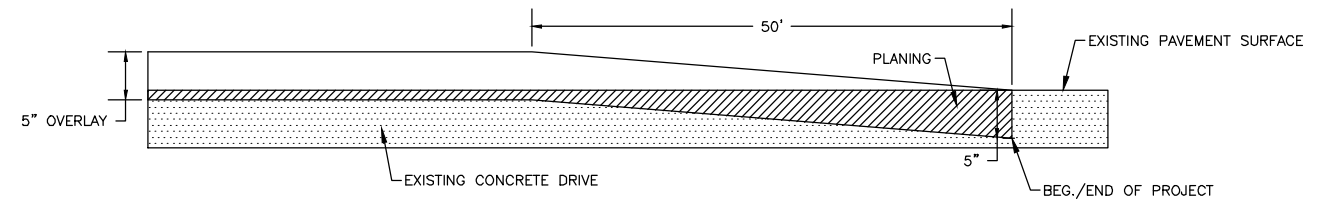
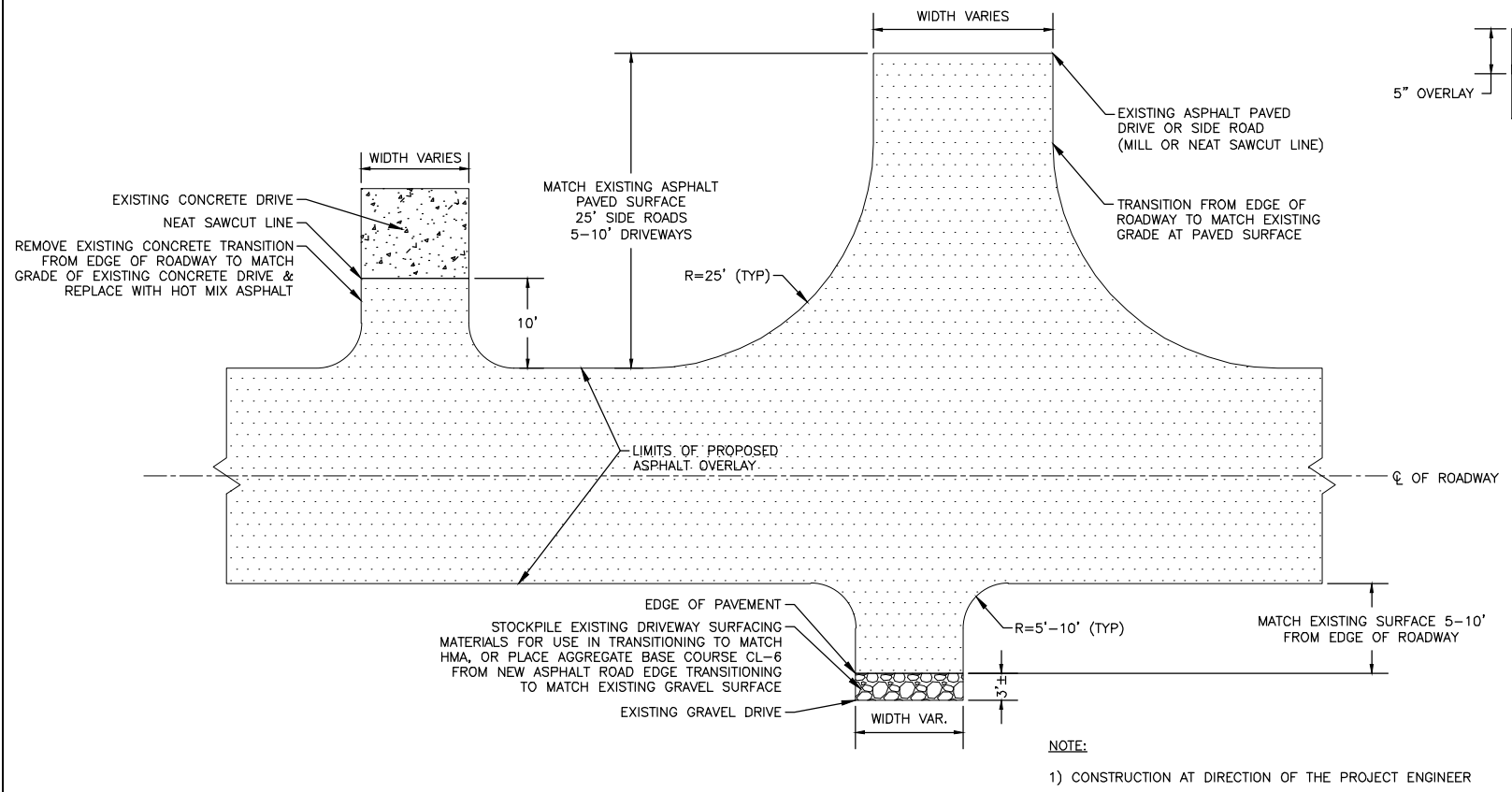
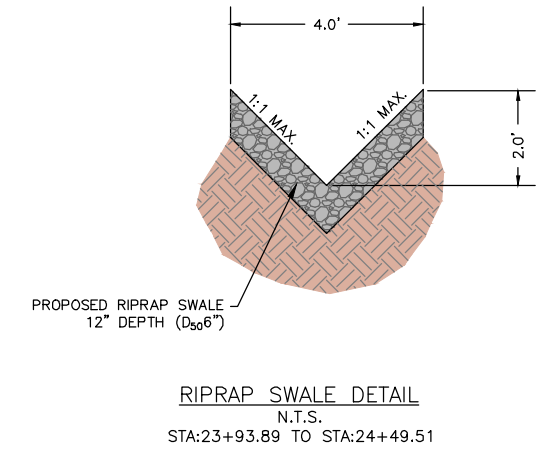
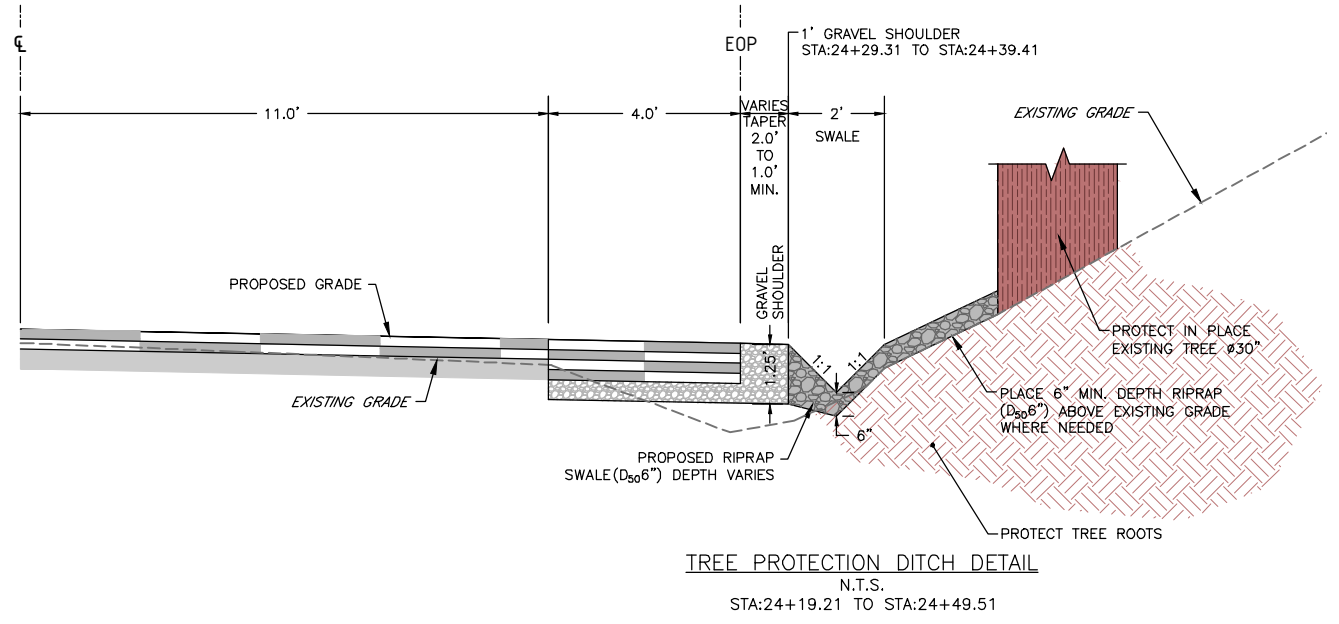
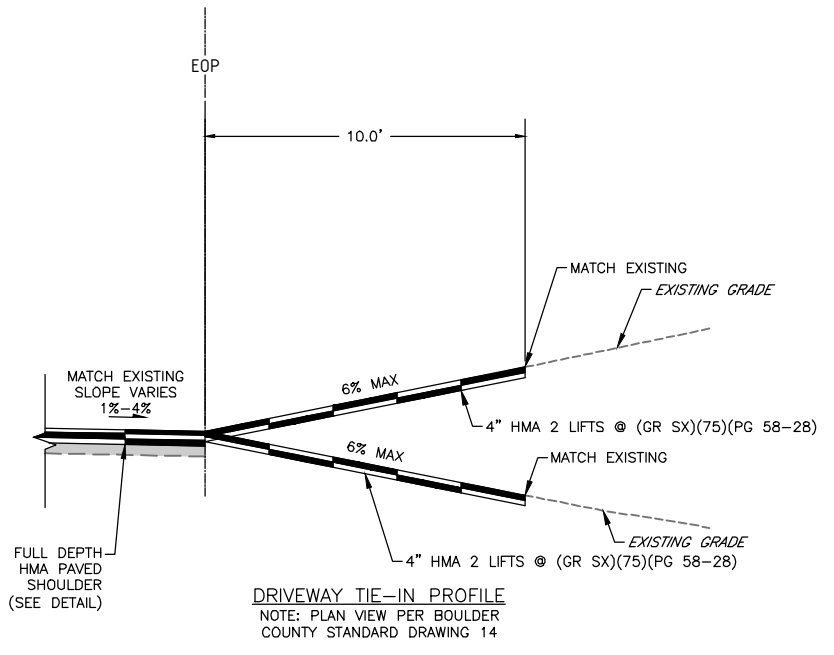
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 VERTICAL: N/A

DETAILS

PROJECT: 20940-01BLTR  
DRAWING NO.

**DT01**

SHEET: 07 OF 40

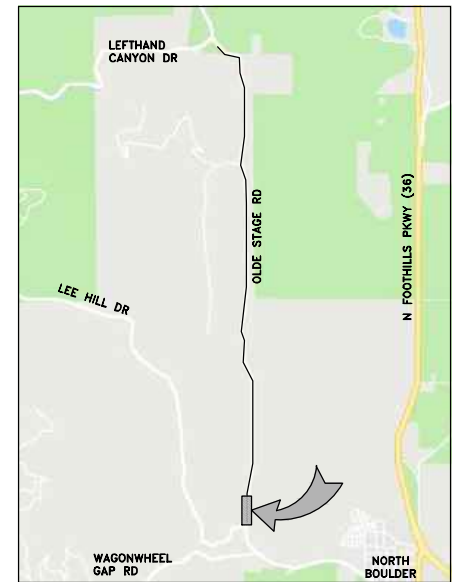
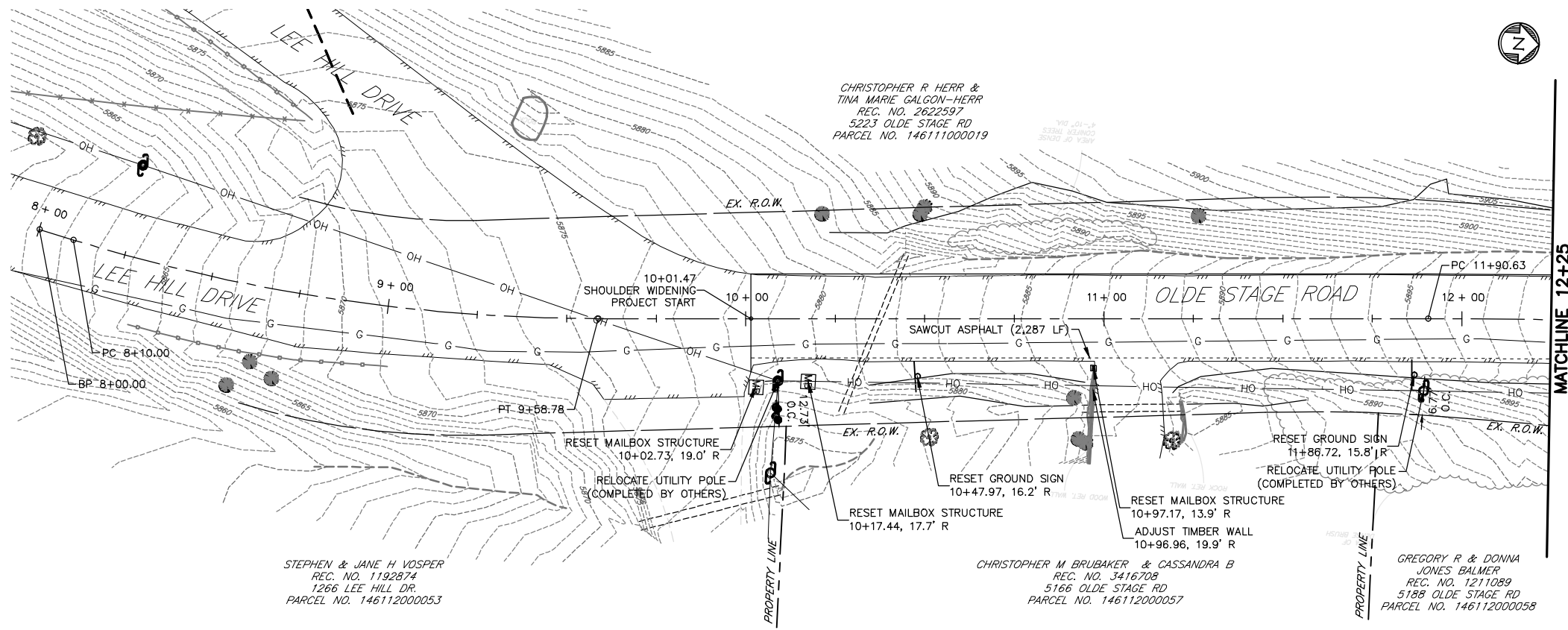


- NOTES:**
- EXISTING ASPHALT MATERIAL SHALL BE MILLED AS SHOWN IN THE TABULATION OF REMOVAL ASPHALT MATERIAL (PLANING).
  - ASPHALT OVERLAY SHALL BE PLACED TO A BUTT JOINT AS SHOWN.

**NOTE:**  
 1) CONSTRUCTION AT DIRECTION OF THE PROJECT ENGINEER



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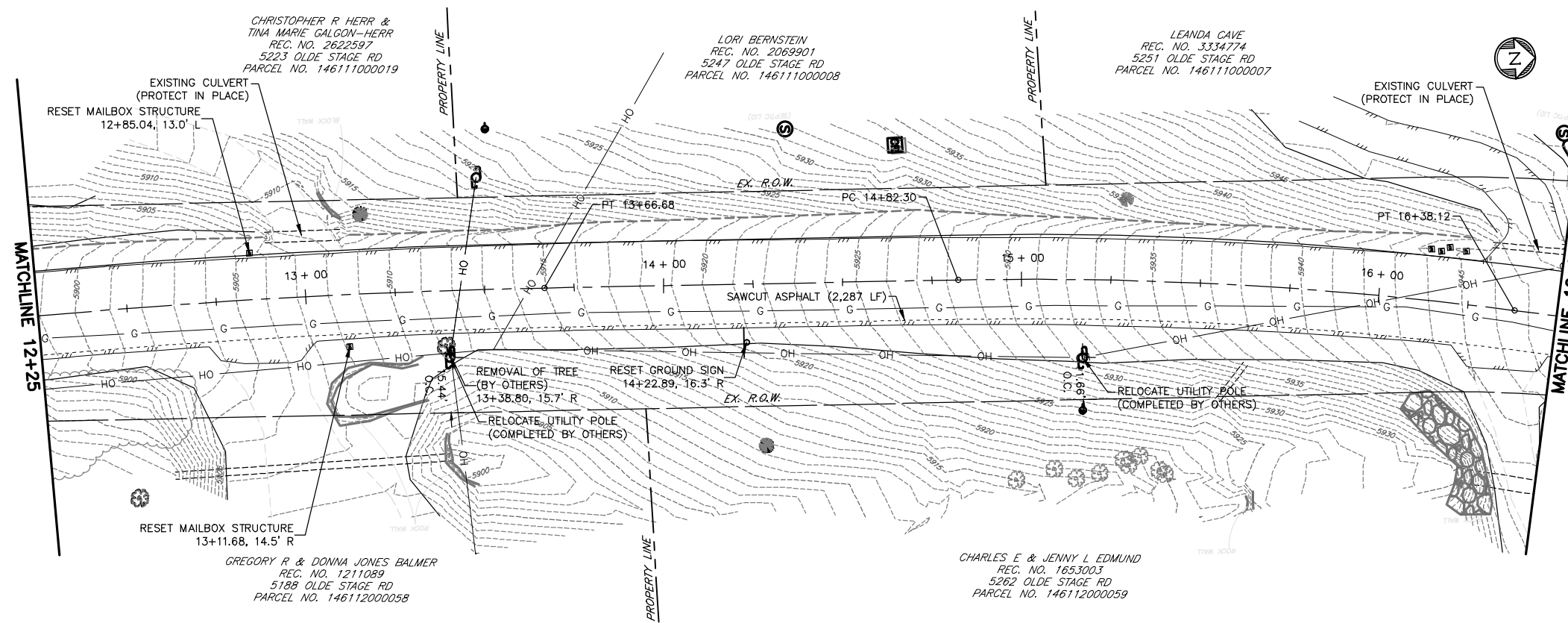
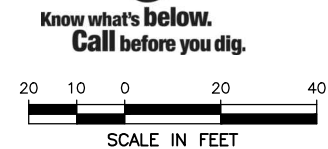
PREPARED BY:  
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ORIGINAL DRAWING SCALE:  
 HORIZONTAL: SEE PLAN  
 VERTICAL: SEE PLAN

**REMOVALS & RESETS**

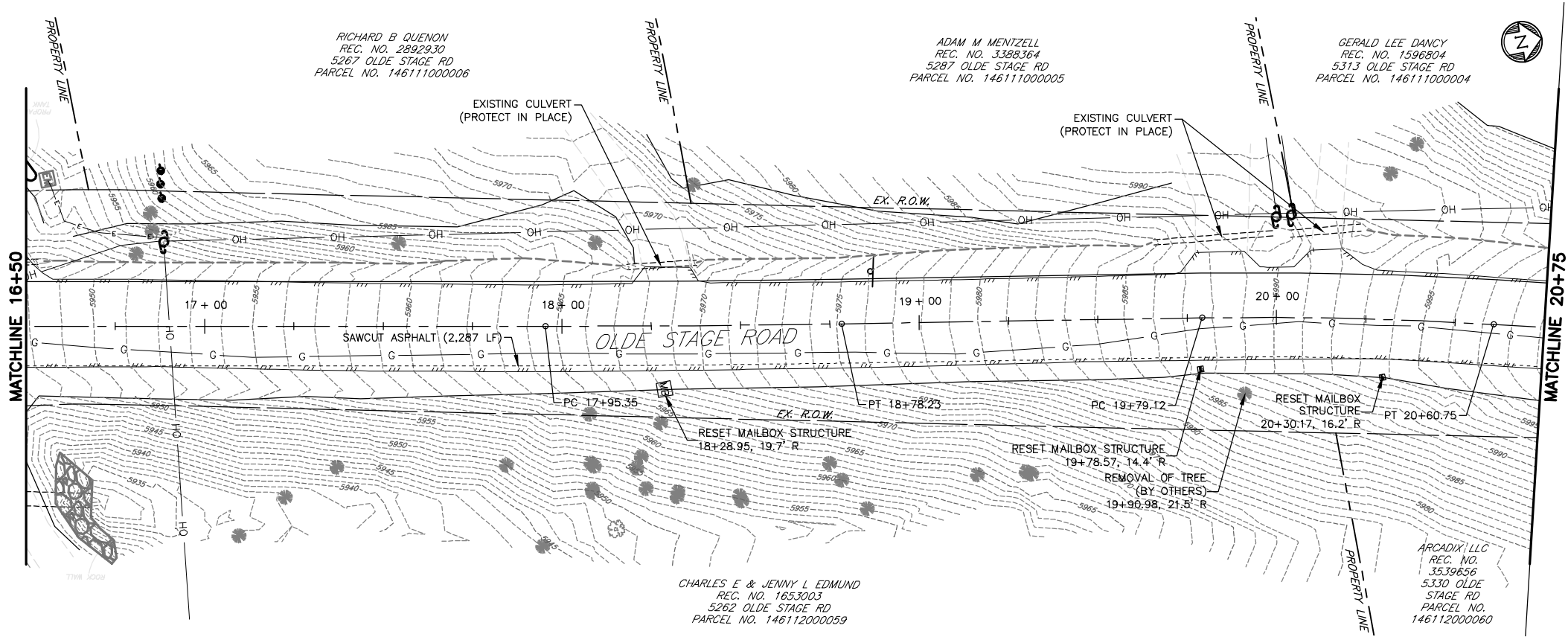
PROJECT: 20940-01BLTR  
 DRAWING NO.

**DM01**

SHEET: 08 OF 40

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H:\20940-01BLTR\Plans\Sheets\Phase 2 - Shoulder Widening & Mill Overlay\20940-01\_DM02.dwg, 2/15/2022 11:23:27 AM



KEY MAP  
NOT TO SCALE

PREPARED BY:

**DBC**  
Drexel, Barrell & Co.  
Engineers-Surveyors  
1800 38TH STREET  
BOULDER, COLORADO 80301  
CONTACT: DEREK SCHULER, P.E.  
(303) 442-4338  
BOULDER  
COLORADO SPRINGS  
GREELEY

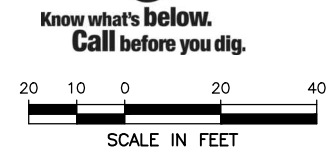
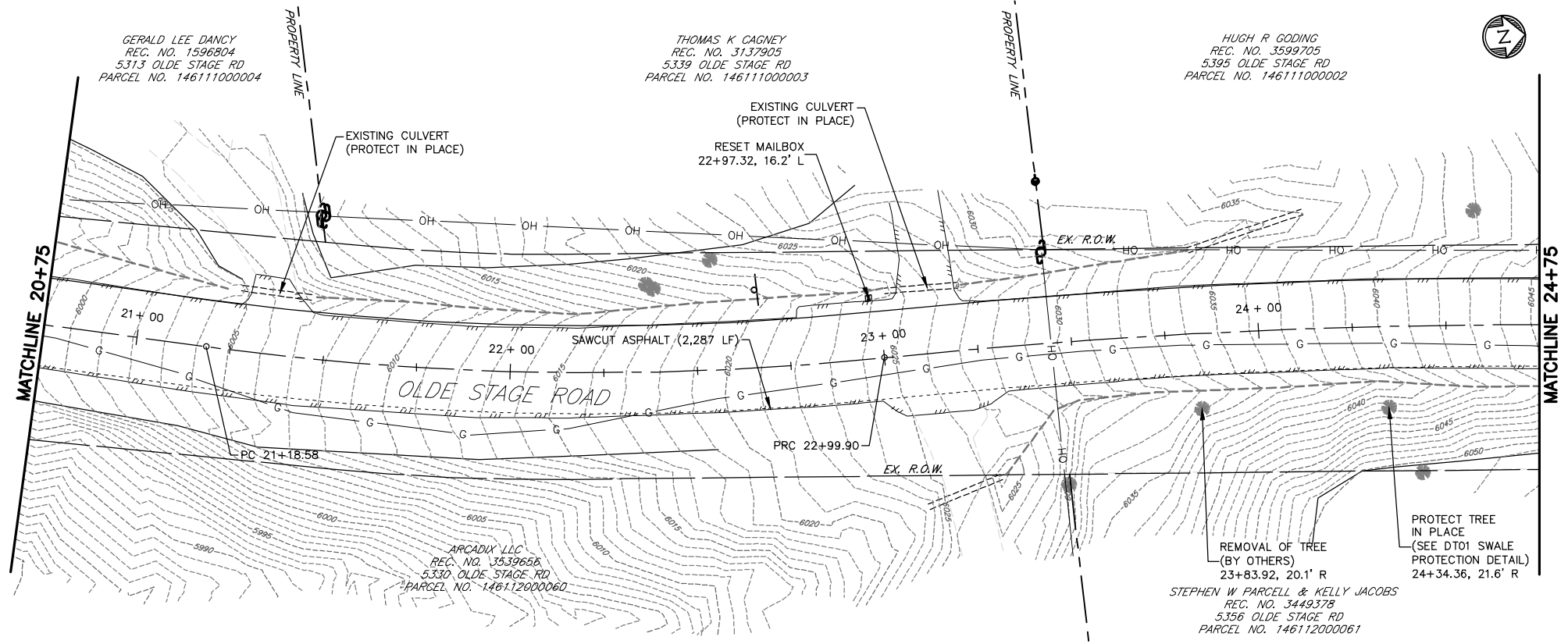
OWNER/CLIENT:

**Boulder County**  
2525 13TH STREET, SUITE 203  
PO BOX 471  
BOULDER, CO 80306  
(303) 682-8779  
COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD &  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_DM01



ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

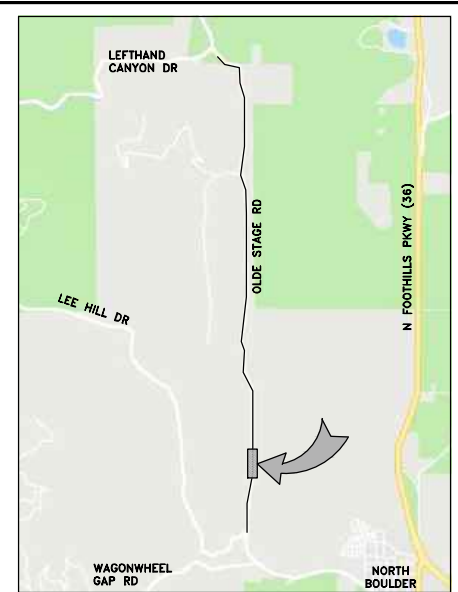
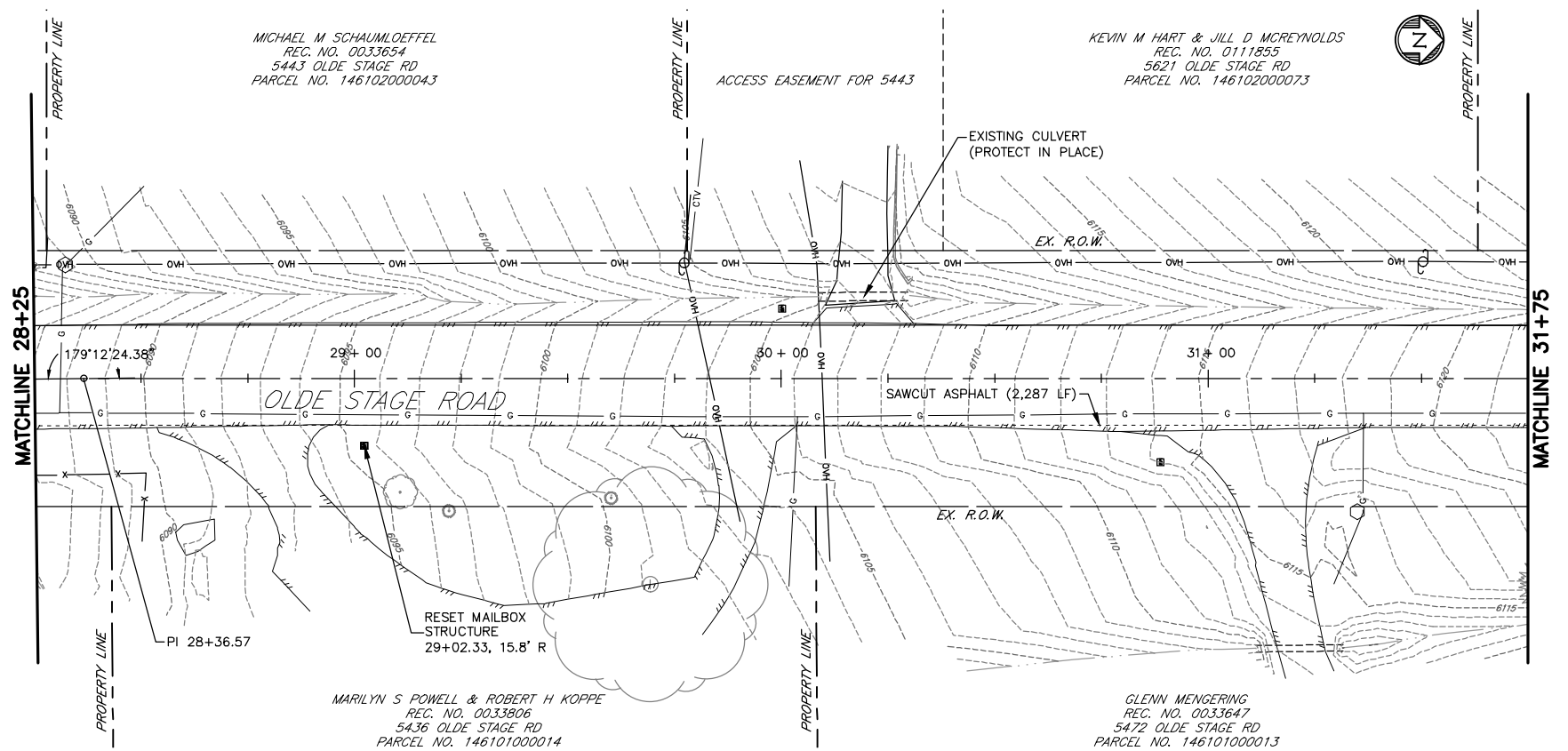
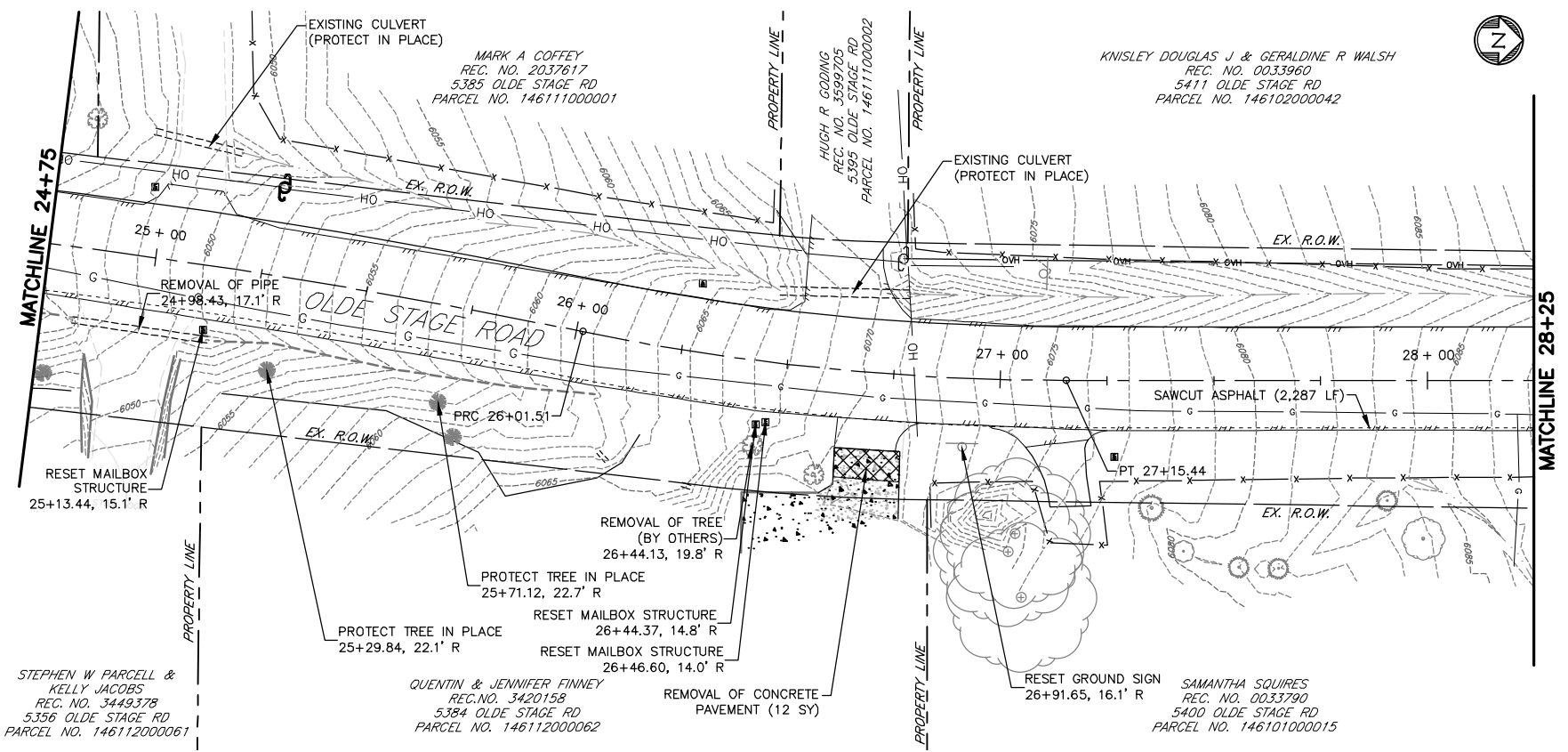
**REMOVALS  
& RESETS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**DM02**

SHEET: 09 OF 40

H:\20940-01\BLTR\Plans\Sheets\Phase 2 - Shoulder Widening & Mill Overlay\20940-01\_DM03.dwg, 2/15/2022 11:24:18 AM



KEY MAP  
NOT TO SCALE

PREPARED BY:

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GREELEY

OWNER/CLIENT:

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD &  
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ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_DM01



Know what's below.  
Call before you dig.



ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

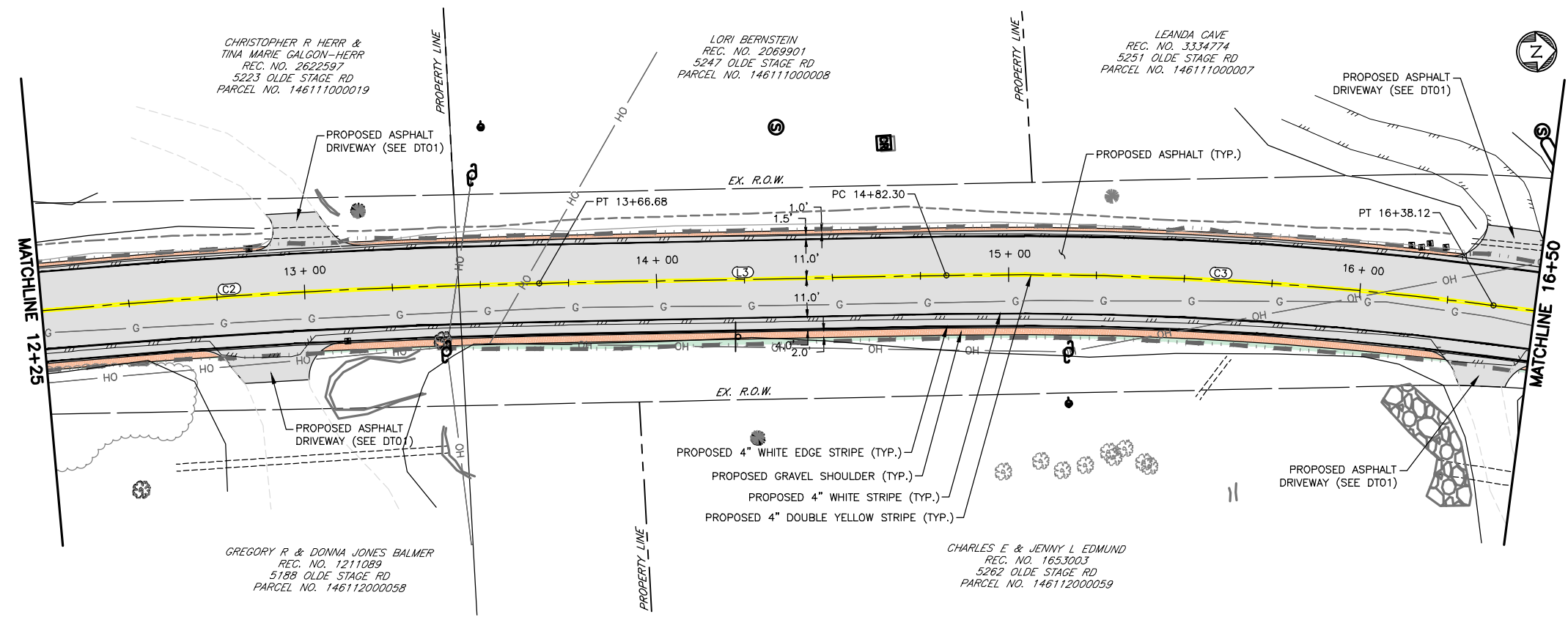
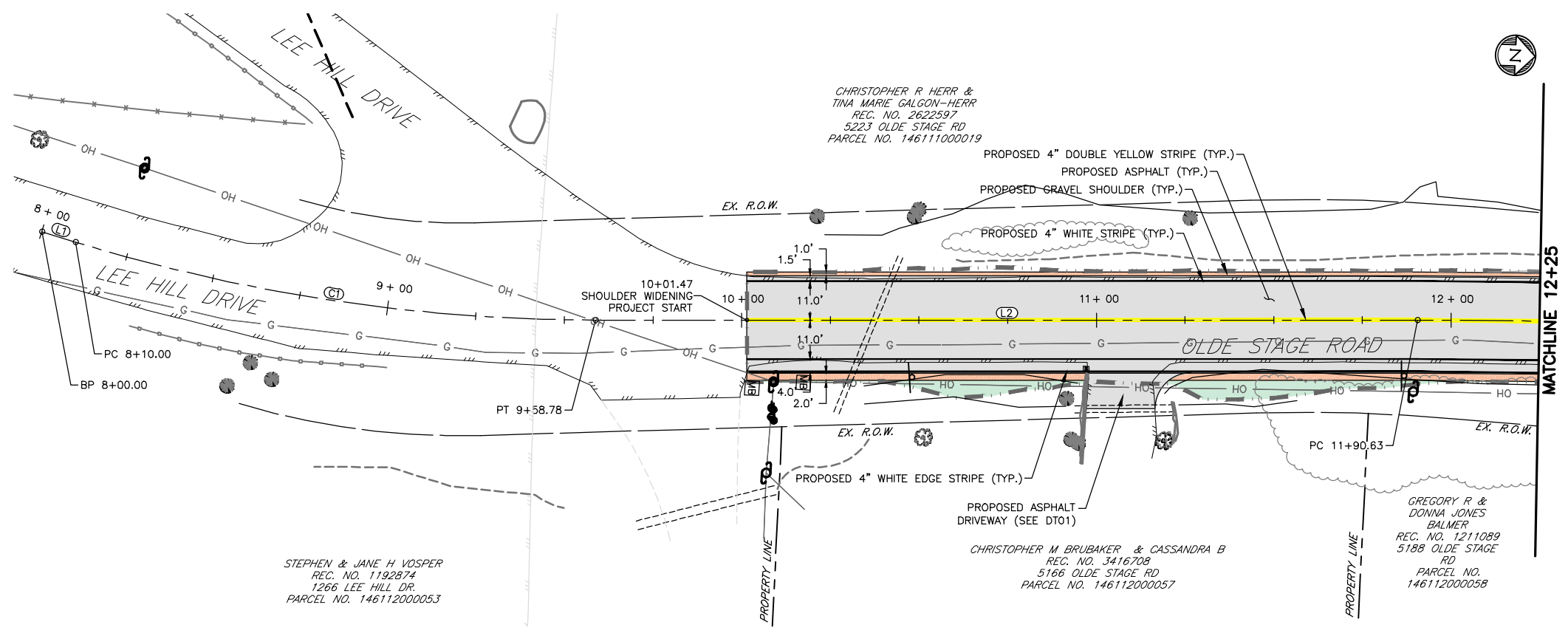
**REMOVALS  
& RESETS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**DM03**



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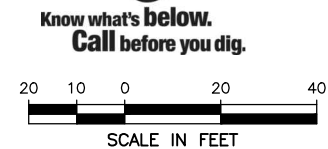


KEY MAP  
NOT TO SCALE

PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
L1	10.00		N14°12'44"E
C1	148.78	500.00	17°02'55"
L2	231.85		N2°50'11"W
C2	176.05	2000.00	5°02'37"
L3	115.62		N2°12'26"E
C3	155.82	1050.00	8°30'09"
L4	157.23		N10°42'35"E

LEGEND:

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

**DBC**  
Drexel, Barrell & Co.  
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OWNER/CLIENT:

**Boulder County**  
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COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_SW01

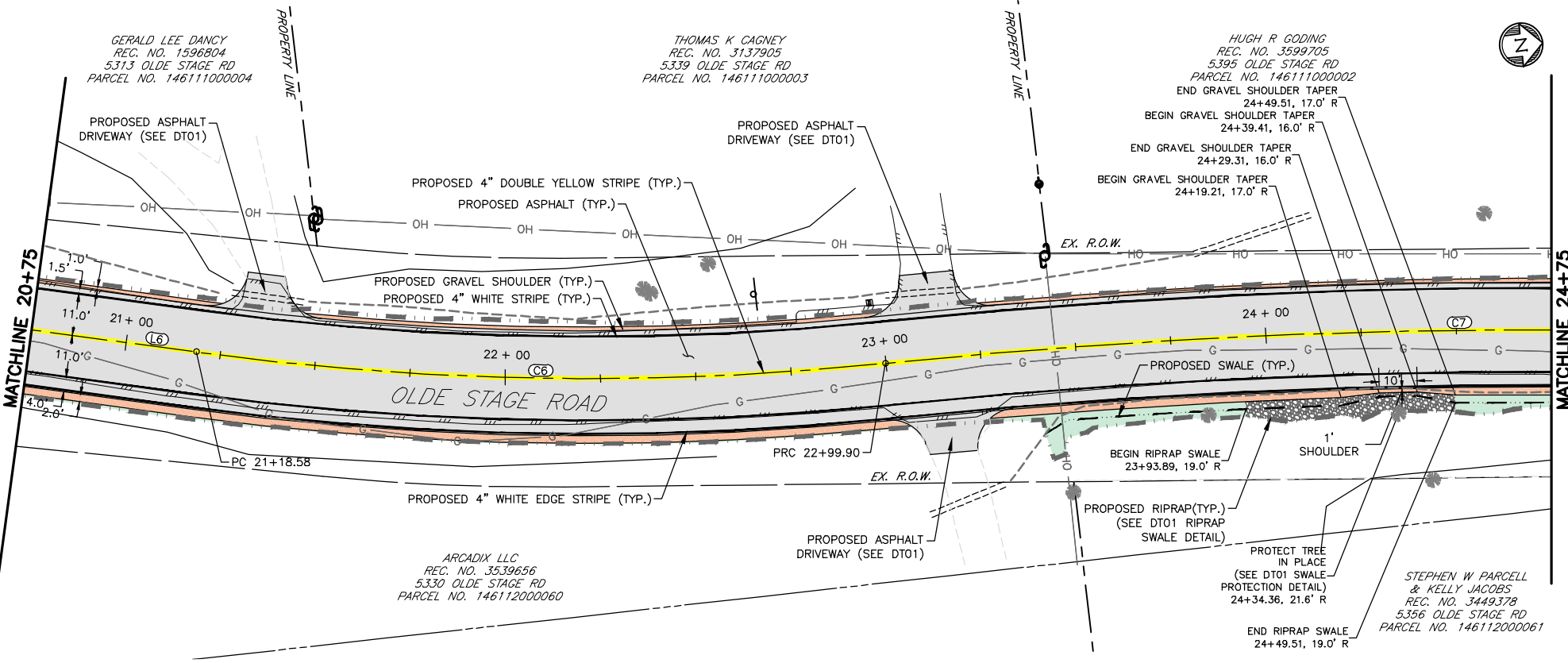
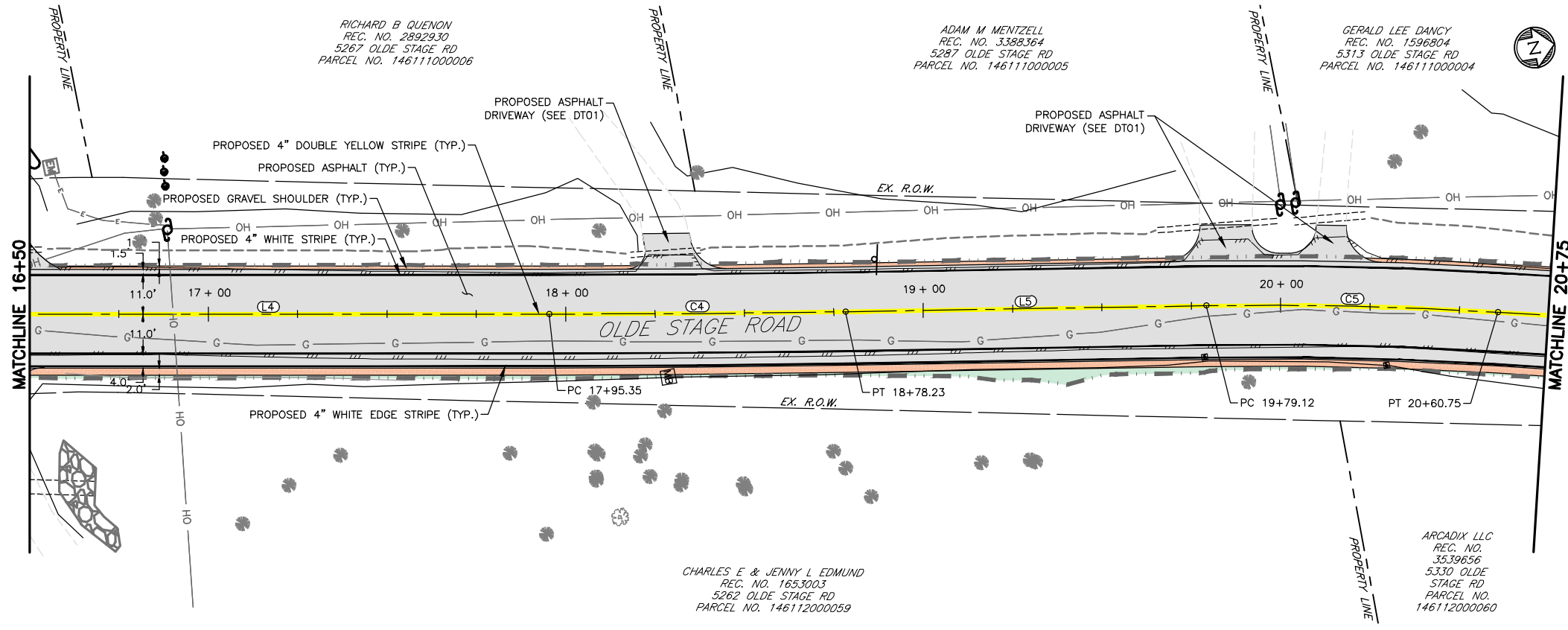
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**SHOULDER WIDENING PLANS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SW01**

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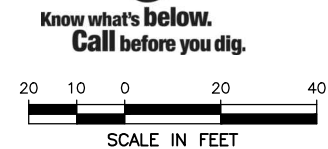


KEY MAP  
NOT TO SCALE

PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
L4	157.23		N10°42'35"E
C4	82.88	5000.00	0°56'59"
L5	100.89		N9°45'35"E
C5	81.63	1050.00	4°27'16"
L6	57.83		N14°12'52"E
C6	181.31	765.00	13°34'47"
C7	301.61	1700.00	10°09'55"

LEGEND:

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_SW01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

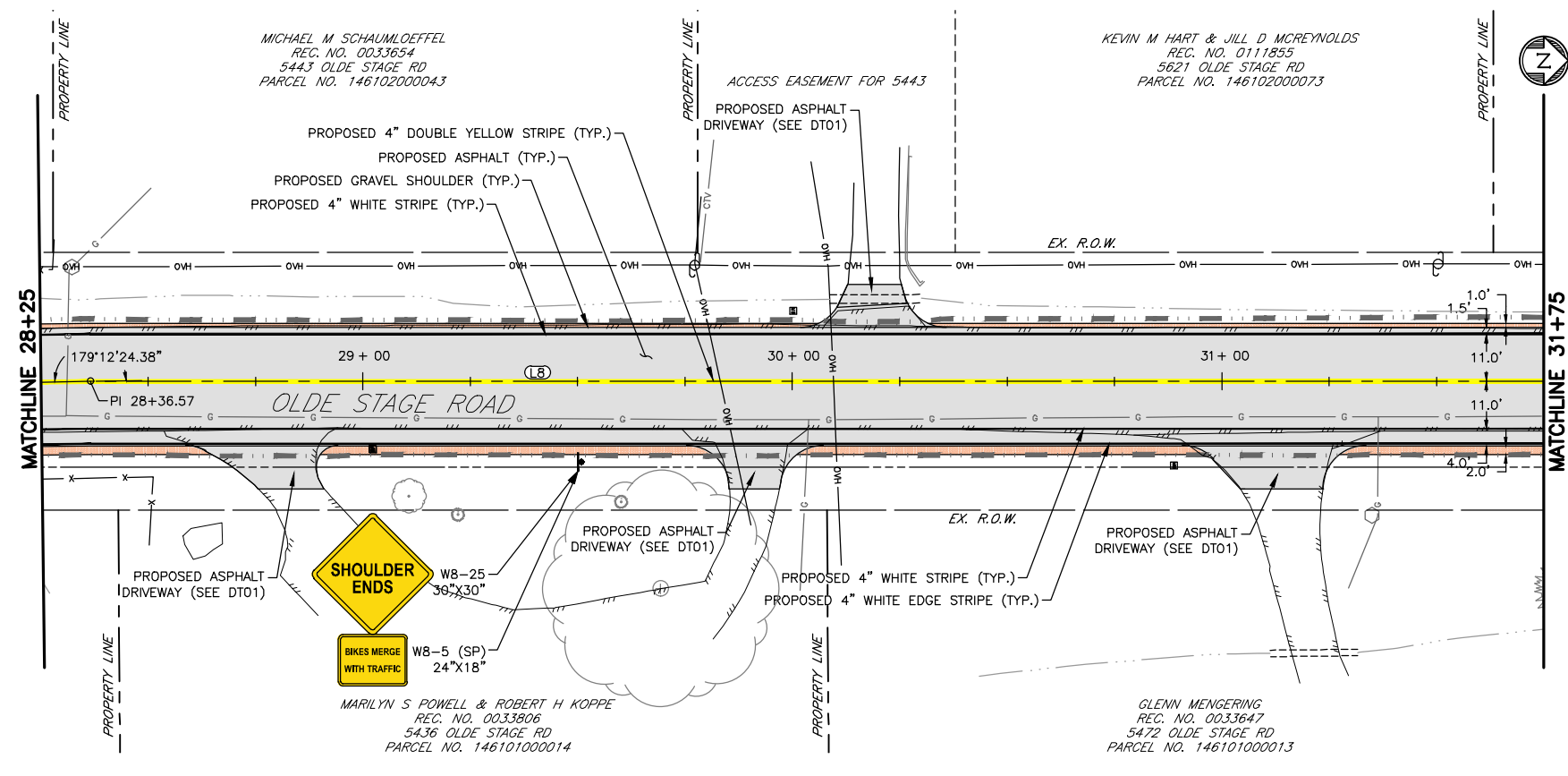
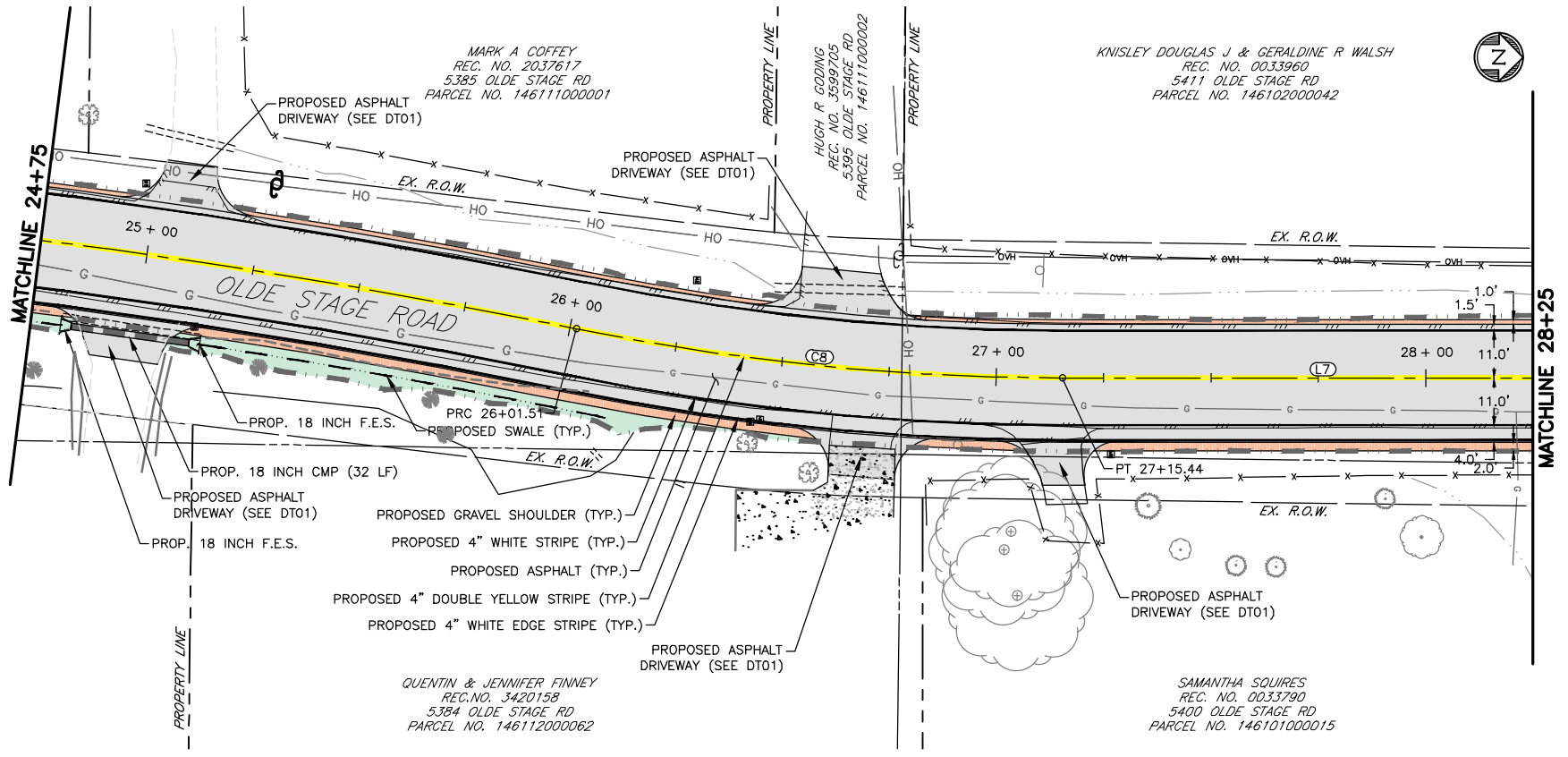
**SHOULDER WIDENING PLANS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SW02**



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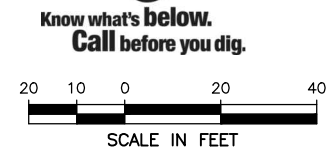


KEY MAP  
NOT TO SCALE

PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
C7	301.61	1700.00	10°09'55"
C8	113.93	566.00	11°32'00"
L7	121.13		N0°44'00"W
L8	763.43		N0°03'35"E

LEGEND:

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_SW01

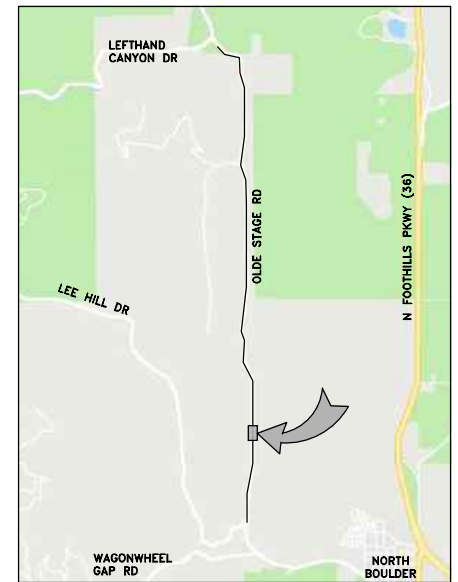
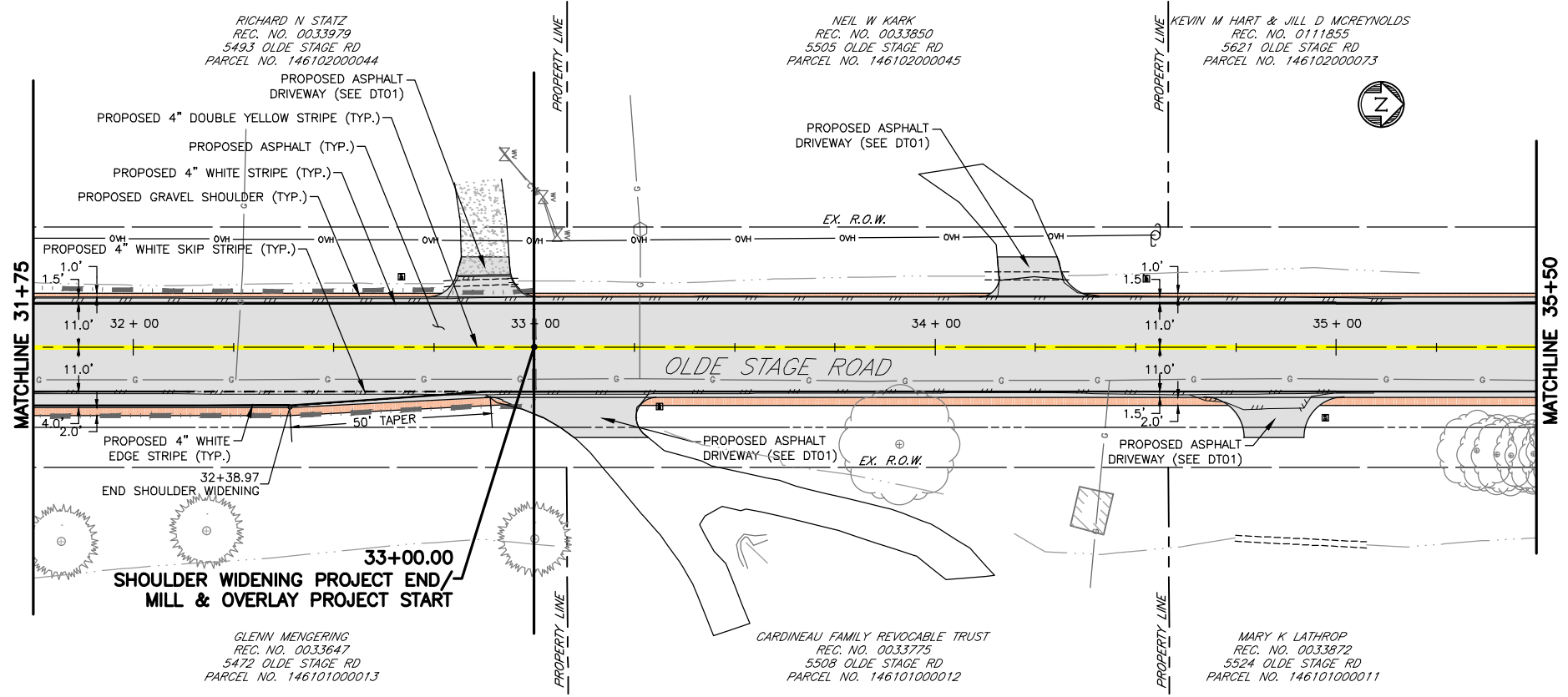
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**SHOULDER WIDENING PLANS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SW03**

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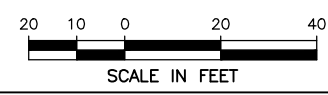
PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
L8	763.43		N0°03'35"E

**LEGEND:**

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



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



PREPARED BY:

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2525 13TH STREET, SUITE 203  
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COLTON COUGHLIN, E.I.T.

**CONSTRUCTION PLANS FOR:  
OLDE STAGE ROAD  
SHOULDER WIDENING &  
MILL/OVERLAY  
BOULDER COUNTY, COLORADO**

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_SW01

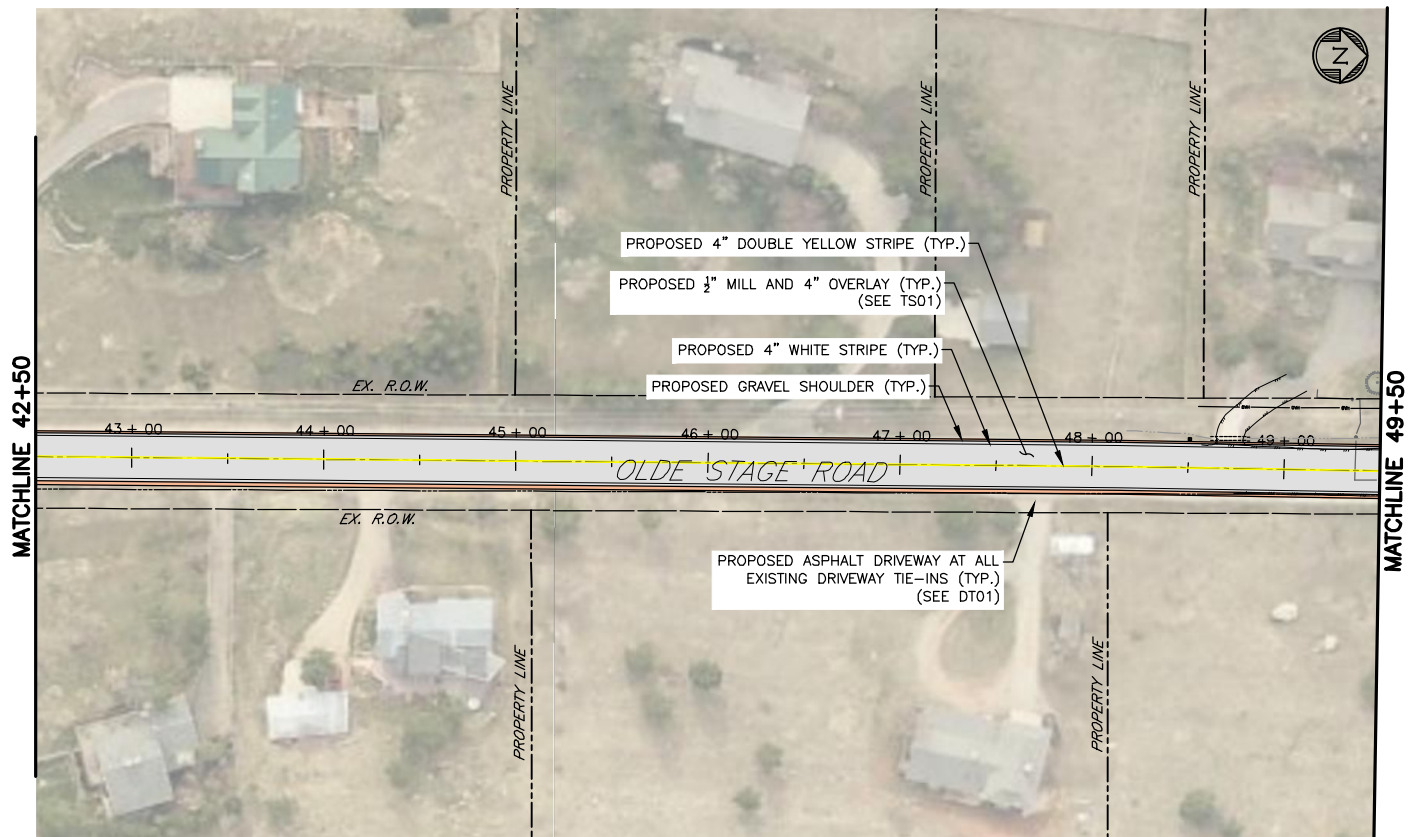
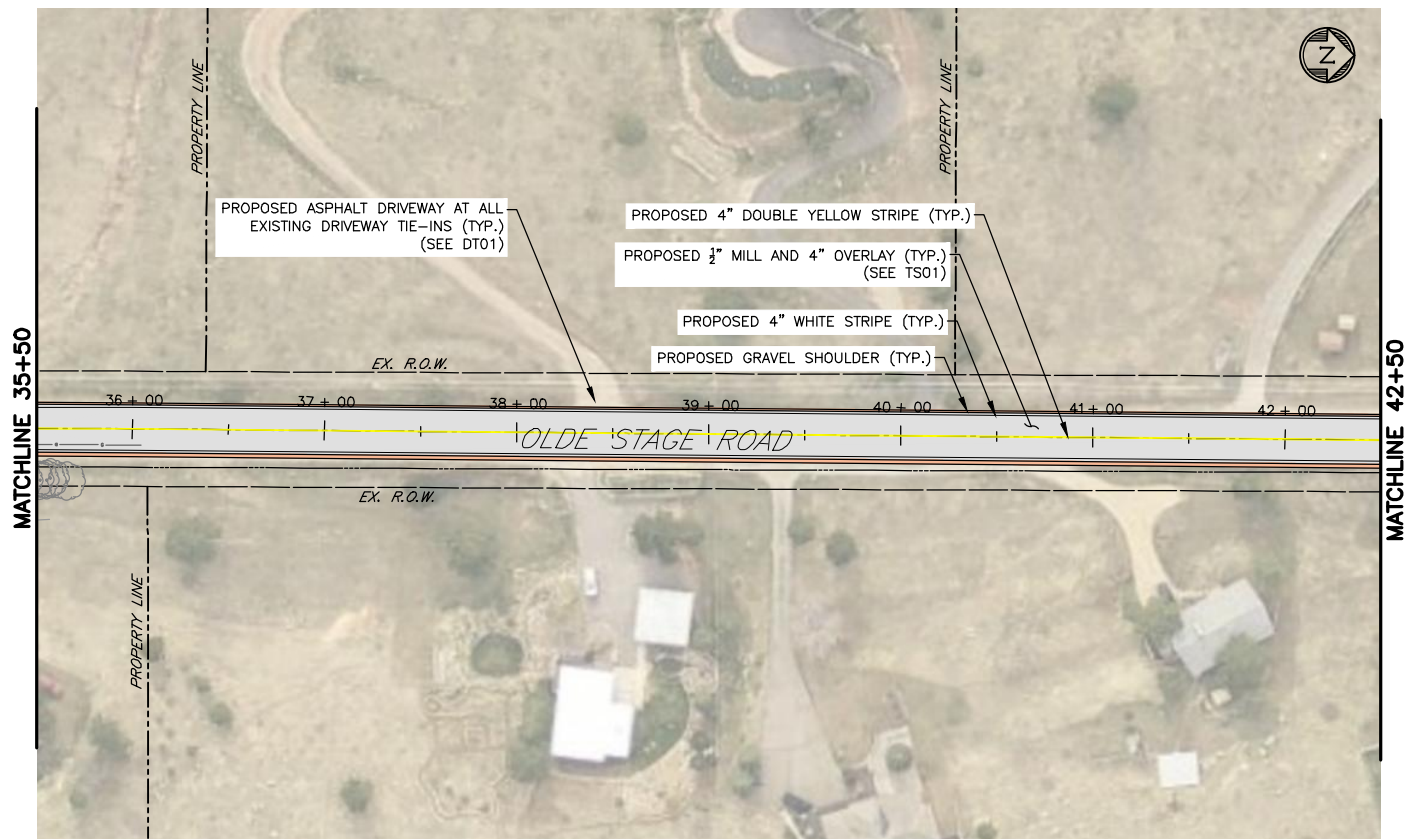
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**SHOULDER WIDENING PLANS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SW04**

H:\20940-01\BLTR\Plans\Sheets\Phase 2 - Shoulder Widening & Mill Overlay\20940-01\_M005.dwg, 2/15/2022 11:29:02 AM



KEY MAP  
NOT TO SCALE

PREPARED BY:

**DBC**  
Drexel, Barrell & Co.  
Engineers-Surveyors  
1800 38TH STREET  
BOULDER, COLORADO 80301  
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GREELEY

OWNER/CLIENT:

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COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_M005



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ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY  
PLANS

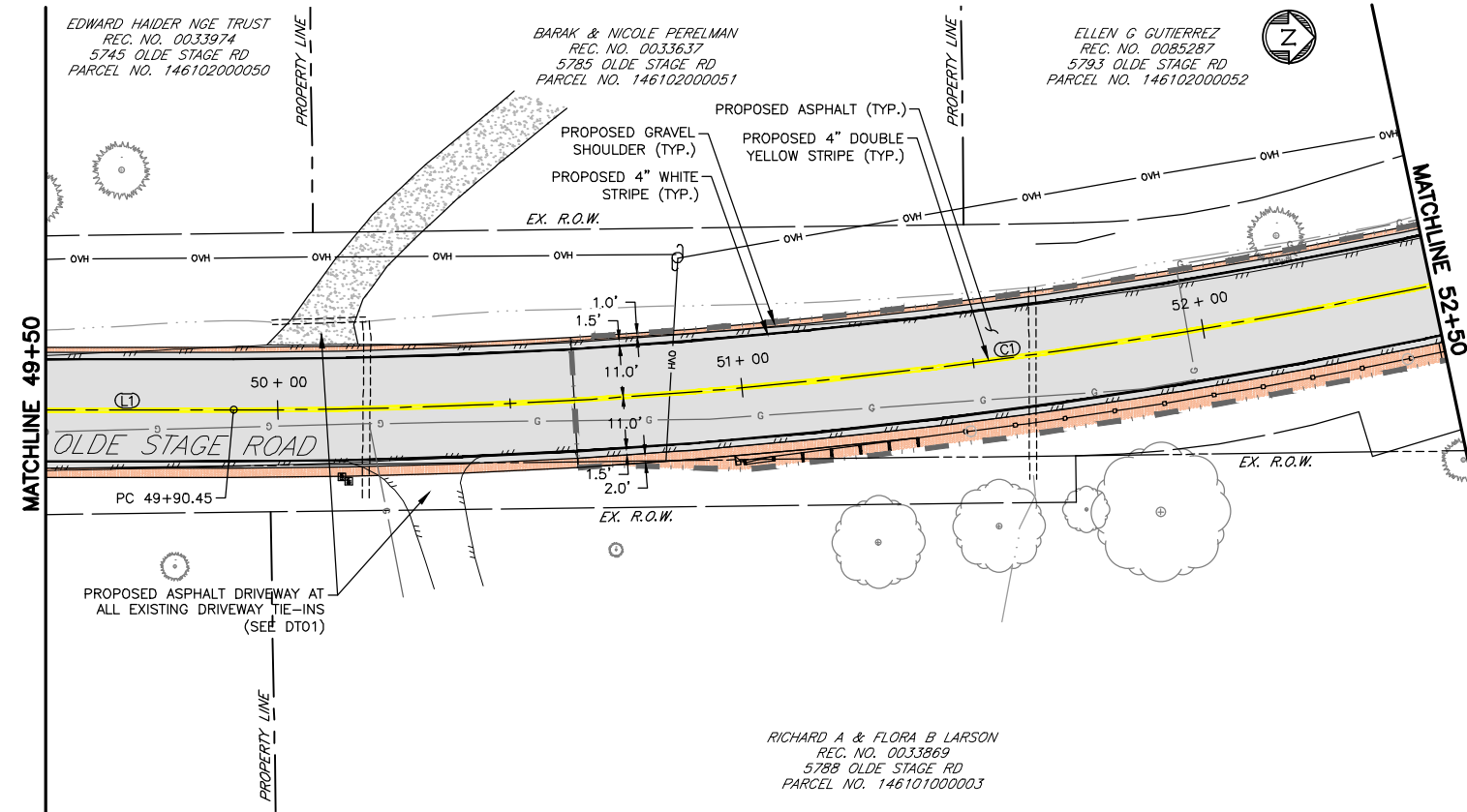
PROJECT: 20940-01BLTR  
DRAWING NO.

**M005**

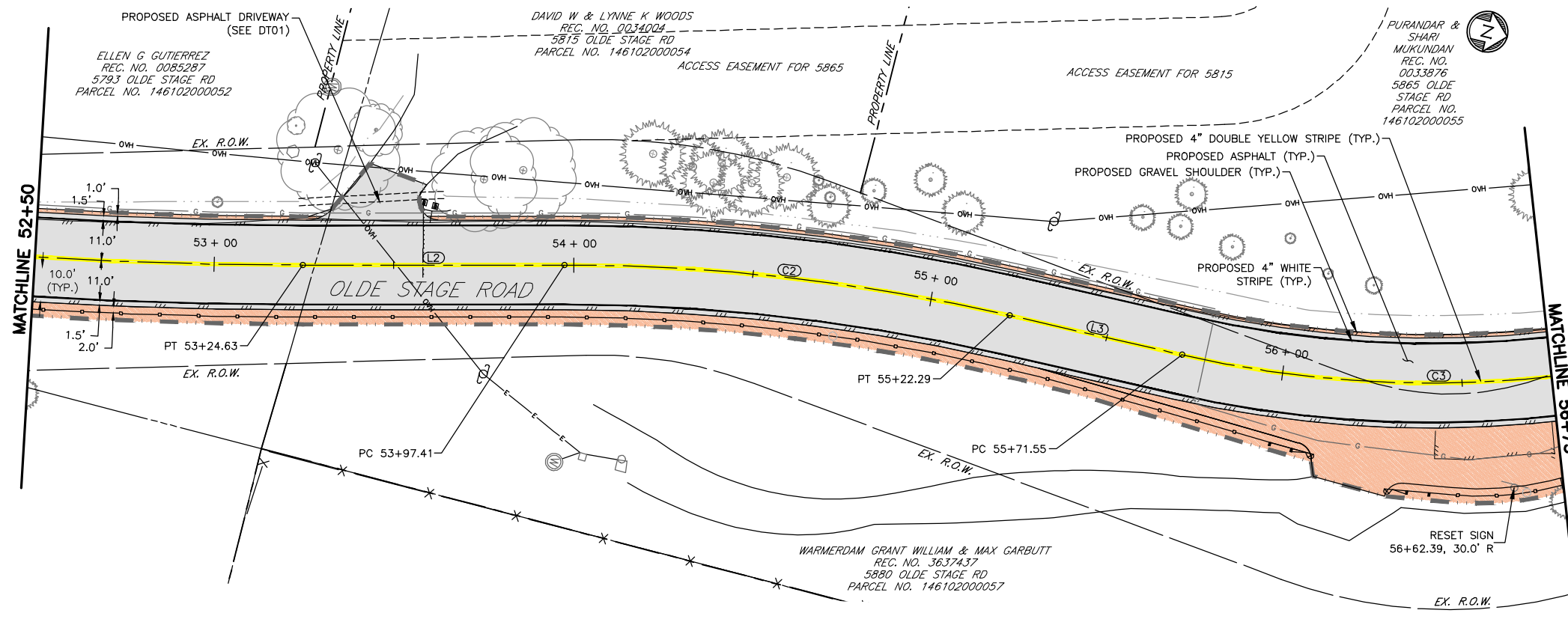
SHEET: 16 OF 40

PROPOSED 1/2" MILL AND 4" OVERLAY  
(SEE SHEET TS01)

SHEETS M006-M008 DEPICT WORK  
AROUND EXISTING GUARDRAIL.  
(SEE TS02)



PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
L1	176.64		N0°45'39"E
C1	334.18	1250.00	15°19'03"
L2	72.78		N14°33'24"W
C2	124.87	554.00	12°54'53"
L3	49.26		N1°38'31"W
C3	143.96	310.00	26°36'29"

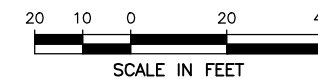


LEGEND:

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



Know what's below.  
Call before you dig.



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OWNER/CLIENT:

**Boulder County**  
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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING &**  
**MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_M006

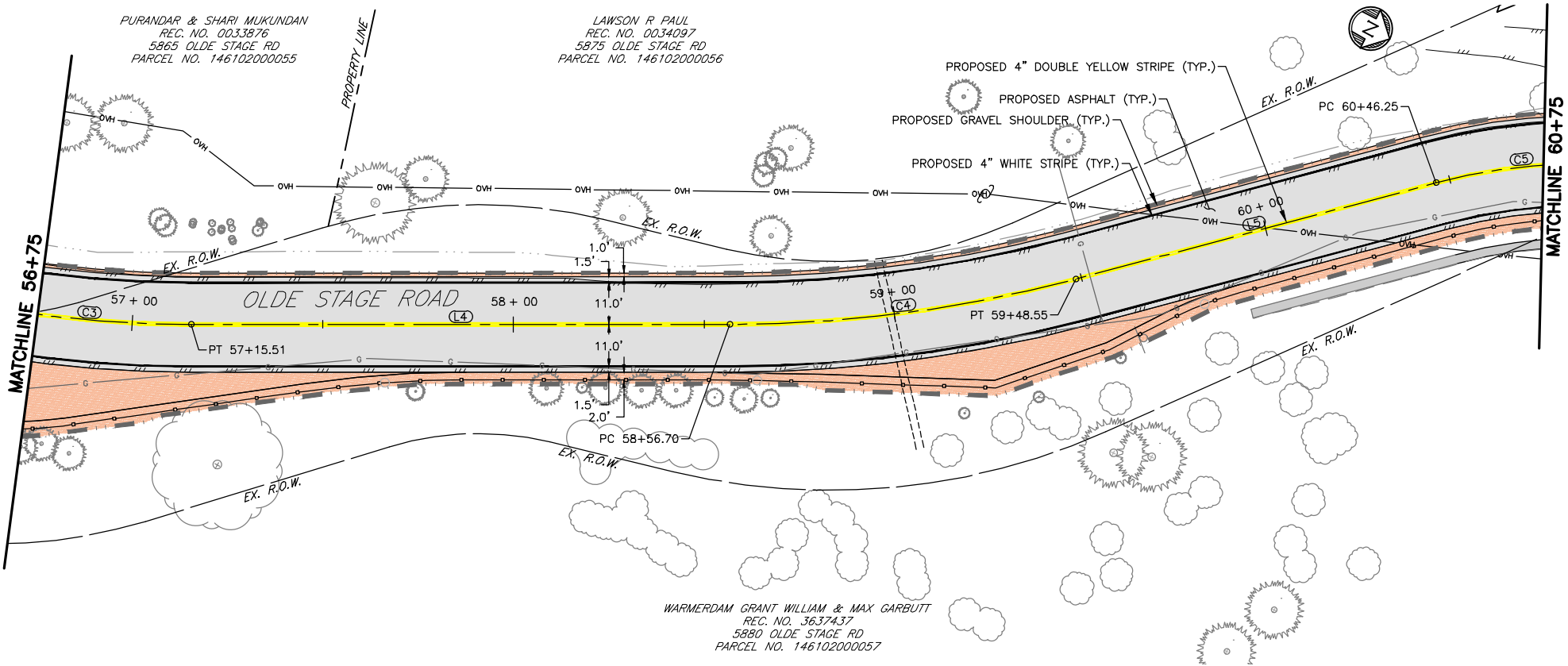
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY  
PLANS

PROJECT: 20940-01BLTR  
DRAWING NO.

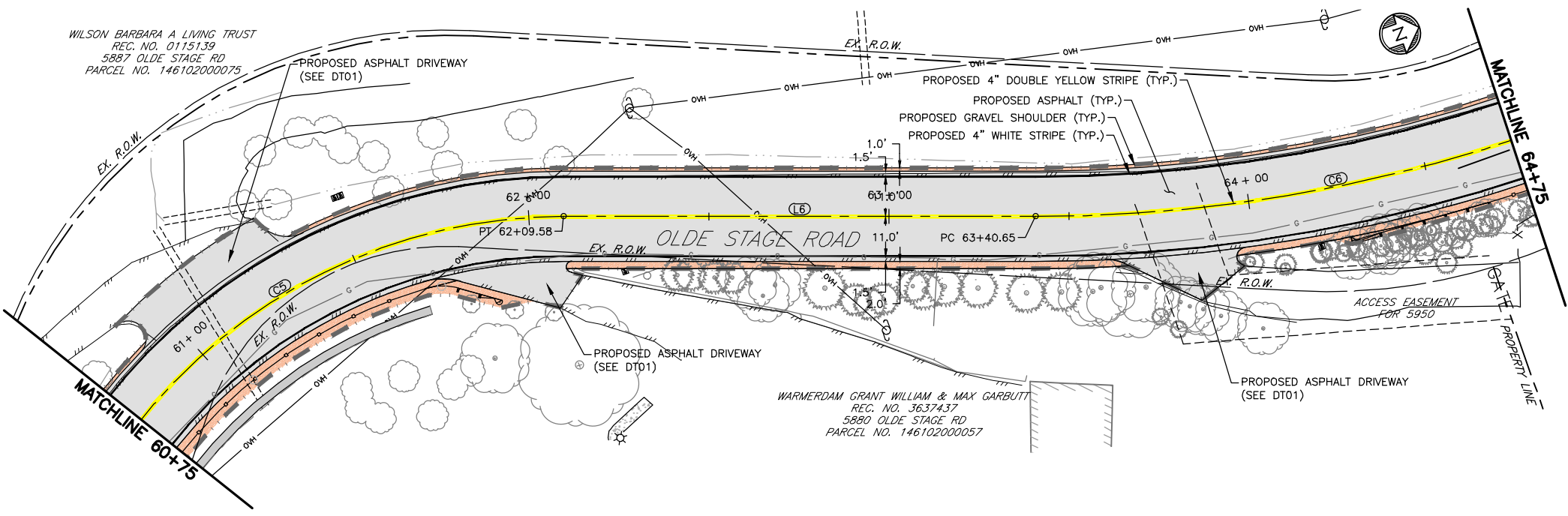
**M006**

SHEET: 17 OF 40



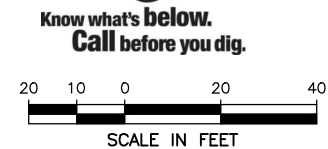
KEY MAP  
NOT TO SCALE

PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
C3	143.96	310.00	26°36'29"
L4	141.19		N28°15'00"W
C4	91.85	352.00	14°57'00"
L5	97.71		N43°12'00"W
C5	163.33	150.00	62°23'09"
L6	131.08		N19°11'09"E
C6	168.35	425.00	22°41'44"



LEGEND:

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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Drexel, Barrell & Co.  
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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD & SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_M006

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY PLANS

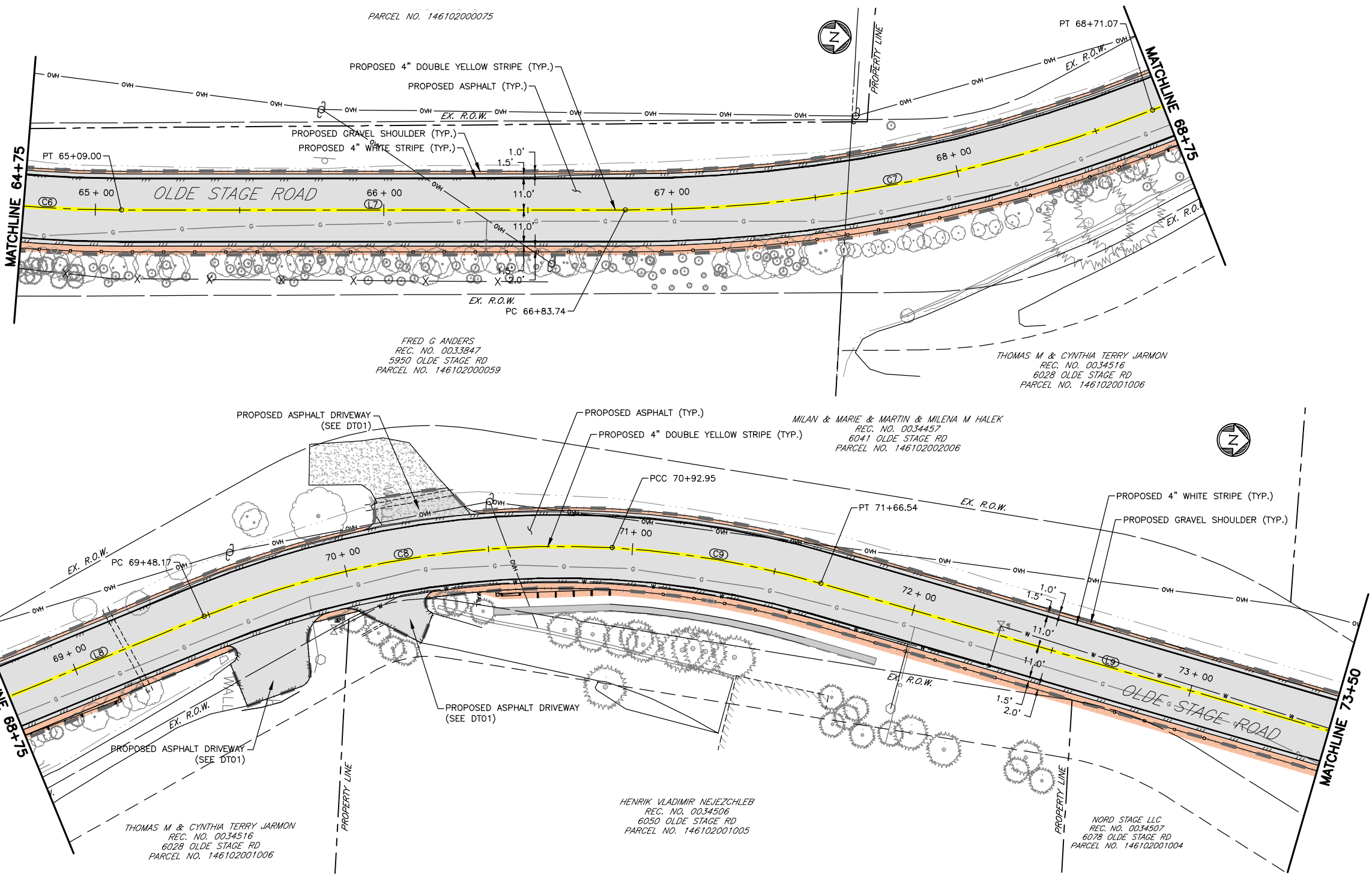
PROJECT: 20940-01BLTR  
DRAWING NO.

**M007**

SHEET: 18 OF 40

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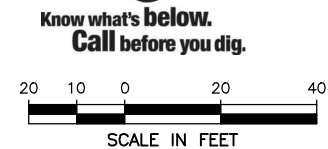


**KEY MAP**  
NOT TO SCALE

PROPOSED ALIGNMENT TABLE			
NUMBER	LENGTH	RADIUS	BEARING/DELTA
C6	168.35	425.00	22°41'44"
L7	174.74		N3°30'35"W
C7	187.33	500.00	21°27'59"
L8	77.10		N24°58'35"W
C8	144.78	325.00	25°31'27"
C9	73.59	325.00	12°58'24"
L9	247.27		N13°31'16"E

**LEGEND:**

- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- EXISTING EDGE OF ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD &  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

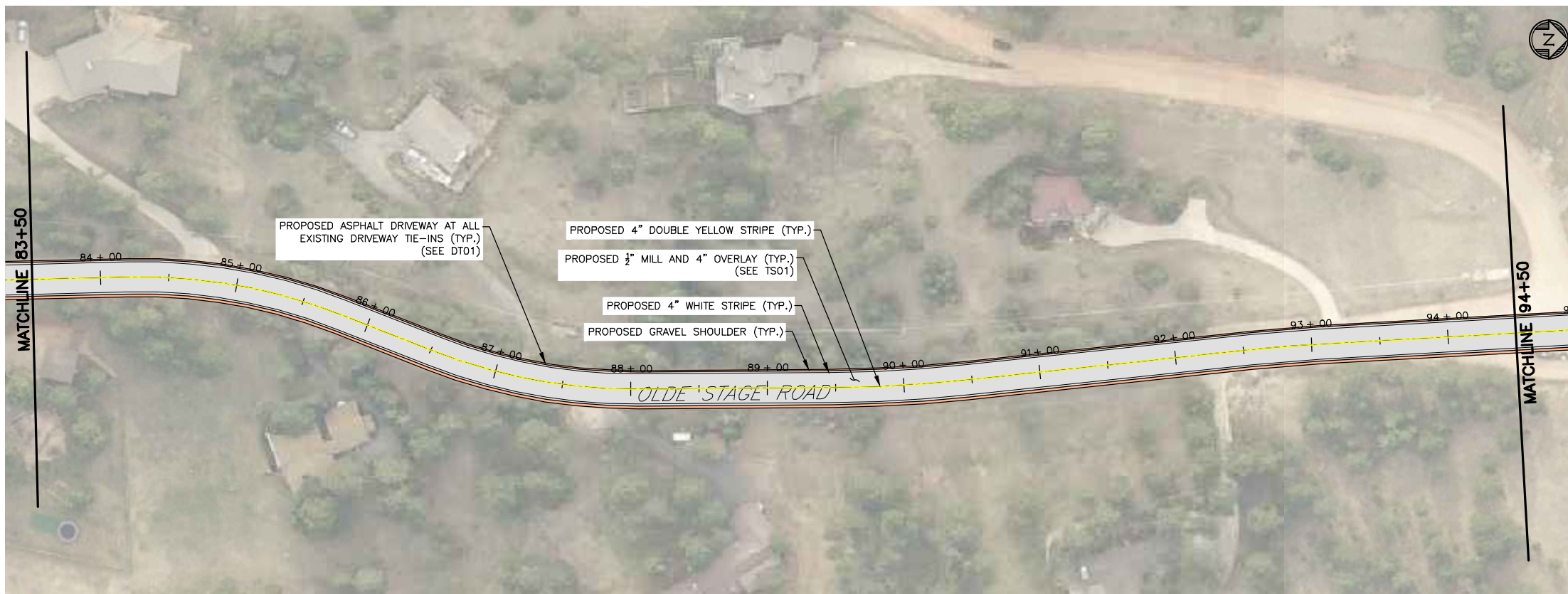
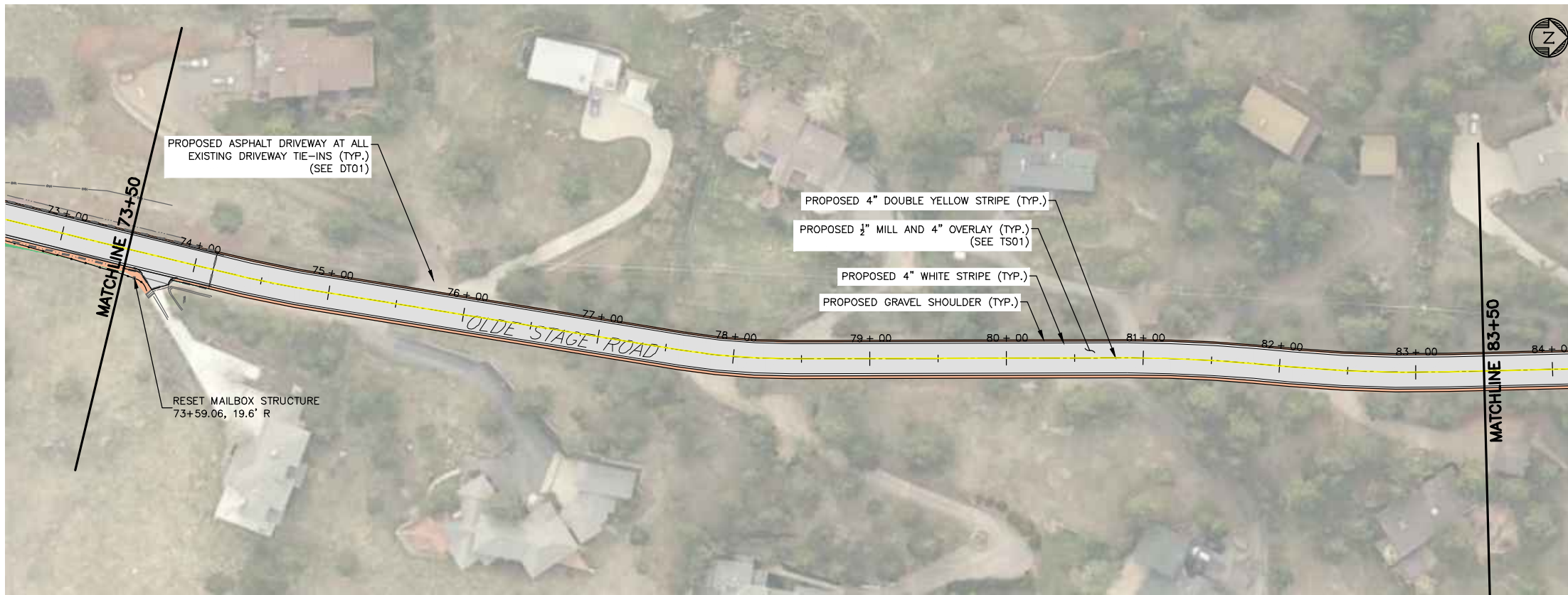
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DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_M008

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**MILL/OVERLAY  
PLANS**

PROJECT: 20940-01BLTR  
DRAWING NO.

**M008**



KEY MAP  
NOT TO SCALE

PREPARED BY:

**DBC**

Drexel, Barrell & Co.  
Traditional Services, Innovative Solutions

Drexel, Barrell & Co.  
Engineers-Surveyors  
1800 38TH STREET  
BOULDER, COLORADO 80301  
CONTACT: DEREK SCHULER, P.E.  
(303) 442-4338  
BOULDER  
COLORADO SPRINGS  
GREELEY

OWNER/CLIENT:



2525 13TH STREET, SUITE 203  
PO BOX 471  
BOULDER, CO 80306  
(303) 682-8779  
COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING &**  
**MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

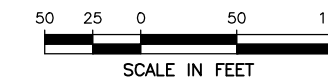
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90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS

FILE NAME: 20940-01\_M009



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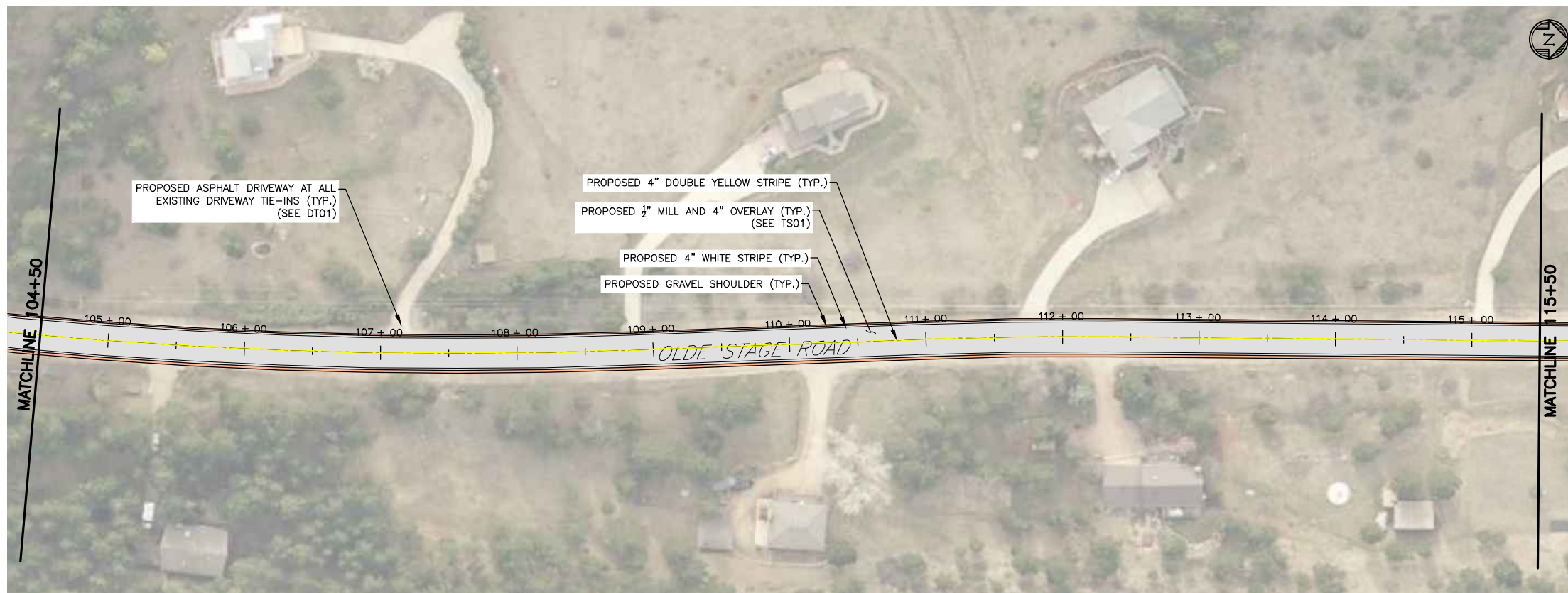
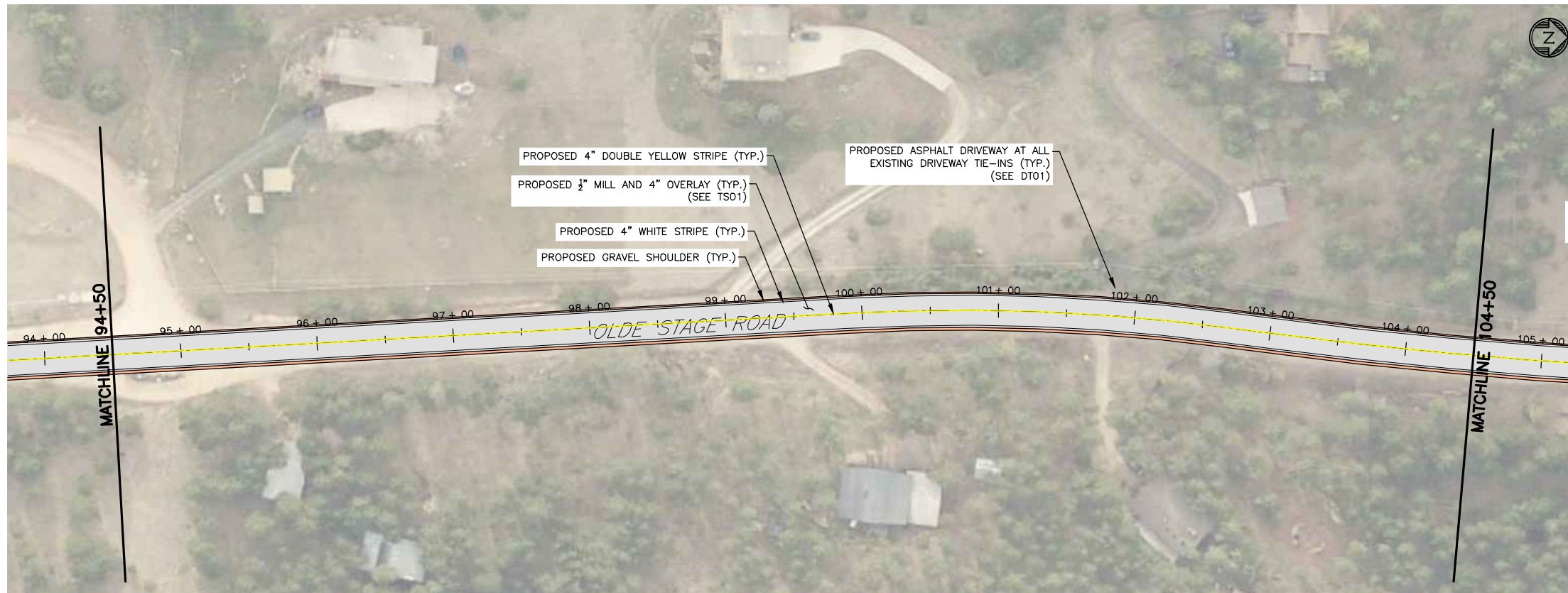
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY  
PLANS

PROJECT: 20940-01BLTR  
DRAWING NO.

**MO09**

SHEET: 20 OF 40



KEY MAP  
NOT TO SCALE

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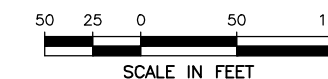
CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING &**  
**MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

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DRAWN BY:	KRC
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FILE NAME:	20940-01_M009



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SCALE IN FEET



ORIGINAL DRAWING SCALE:  
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VERTICAL: SEE PLAN

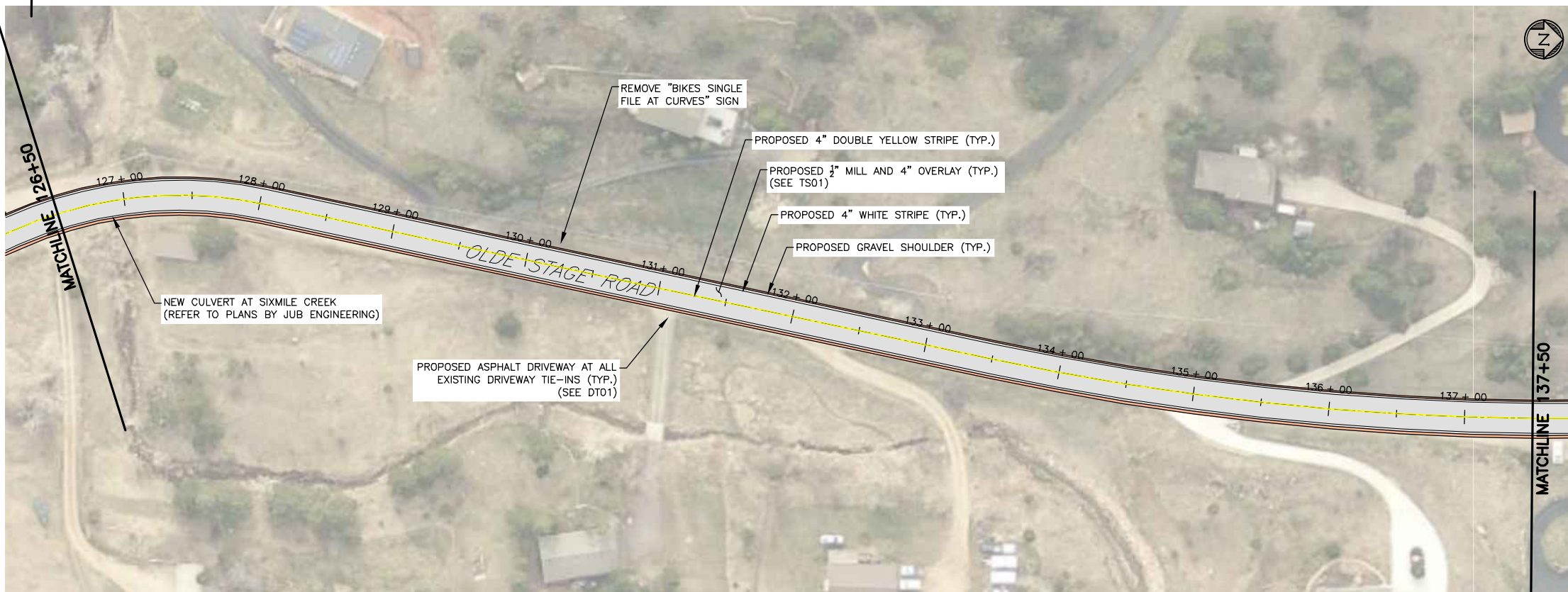
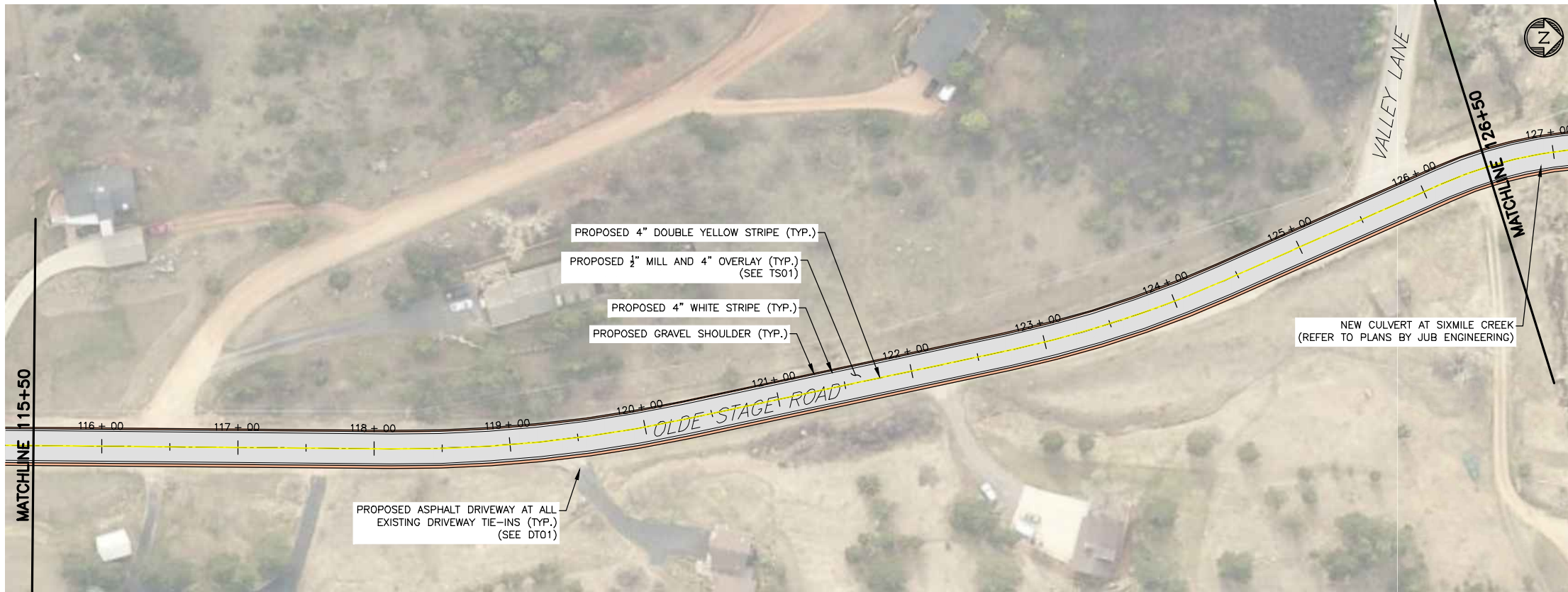
MILL/OVERLAY  
PLANS

PROJECT: 20940-01BLTR  
DRAWING NO.

**M010**

SHEET: 21 OF 40





KEY MAP  
NOT TO SCALE

PREPARED BY:



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CONSTRUCTION PLANS FOR:  
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**SHOULDER WIDENING &**  
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BOULDER COUNTY, COLORADO

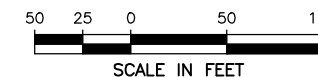
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100% SET	07/17/19
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BID SET	02/15/22

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DRAWN BY: KRC  
CHECKED BY: DFS

FILE NAME: 20940-01\_M009



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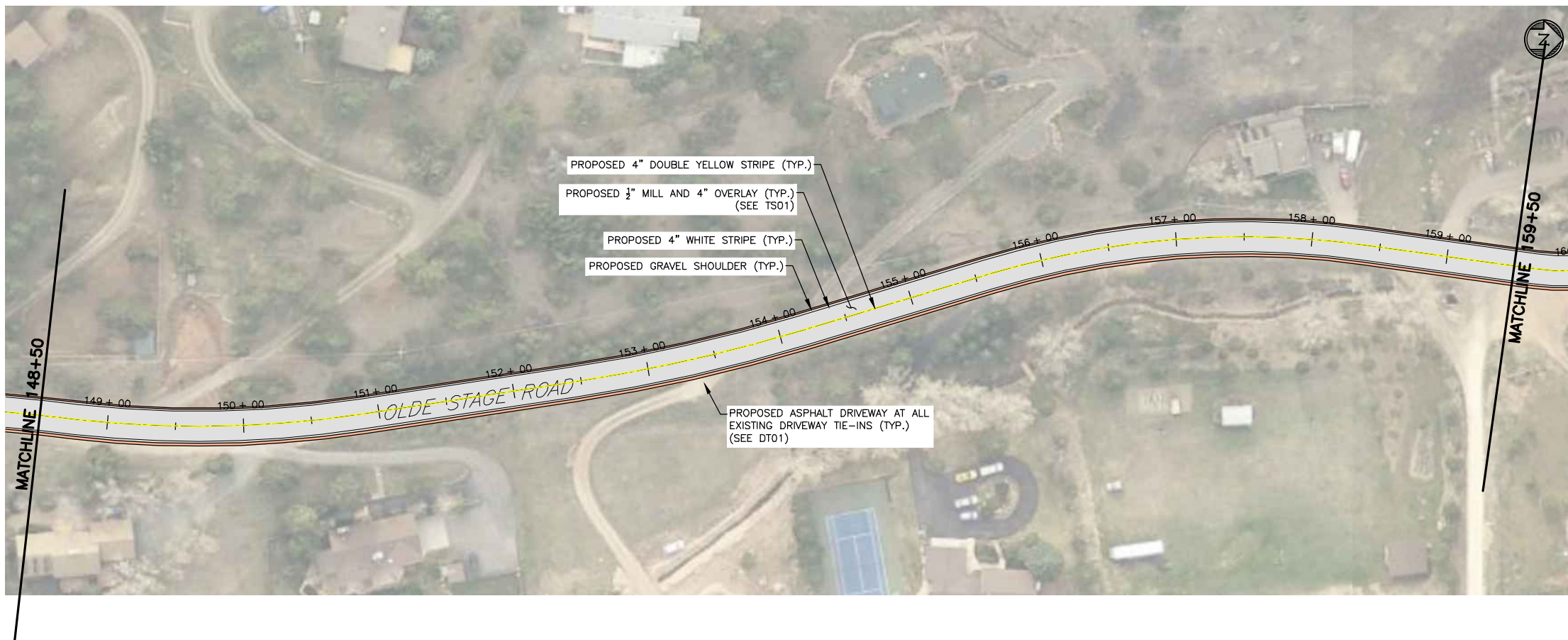
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY  
PLANS

PROJECT: 20940-01BLTR  
DRAWING NO.

**M011**

SHEET: 22 OF 40



KEY MAP  
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CONSTRUCTION PLANS FOR:  
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**SHOULDER WIDENING &**  
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BOULDER COUNTY, COLORADO

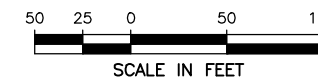
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100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

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DRAWN BY:	KRC
CHECKED BY:	DFS

FILE NAME: 20940-01\_M009



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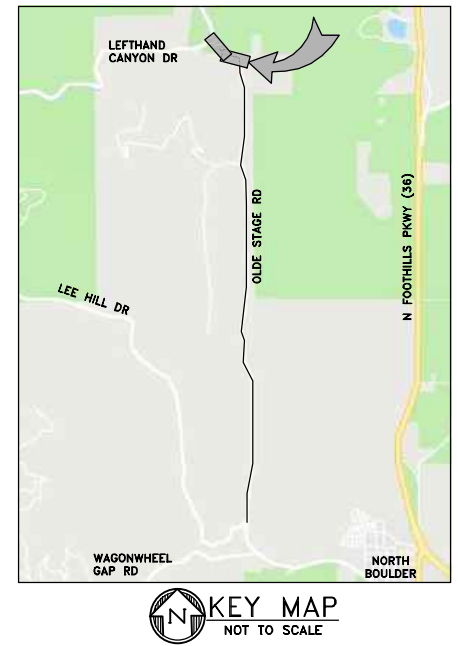
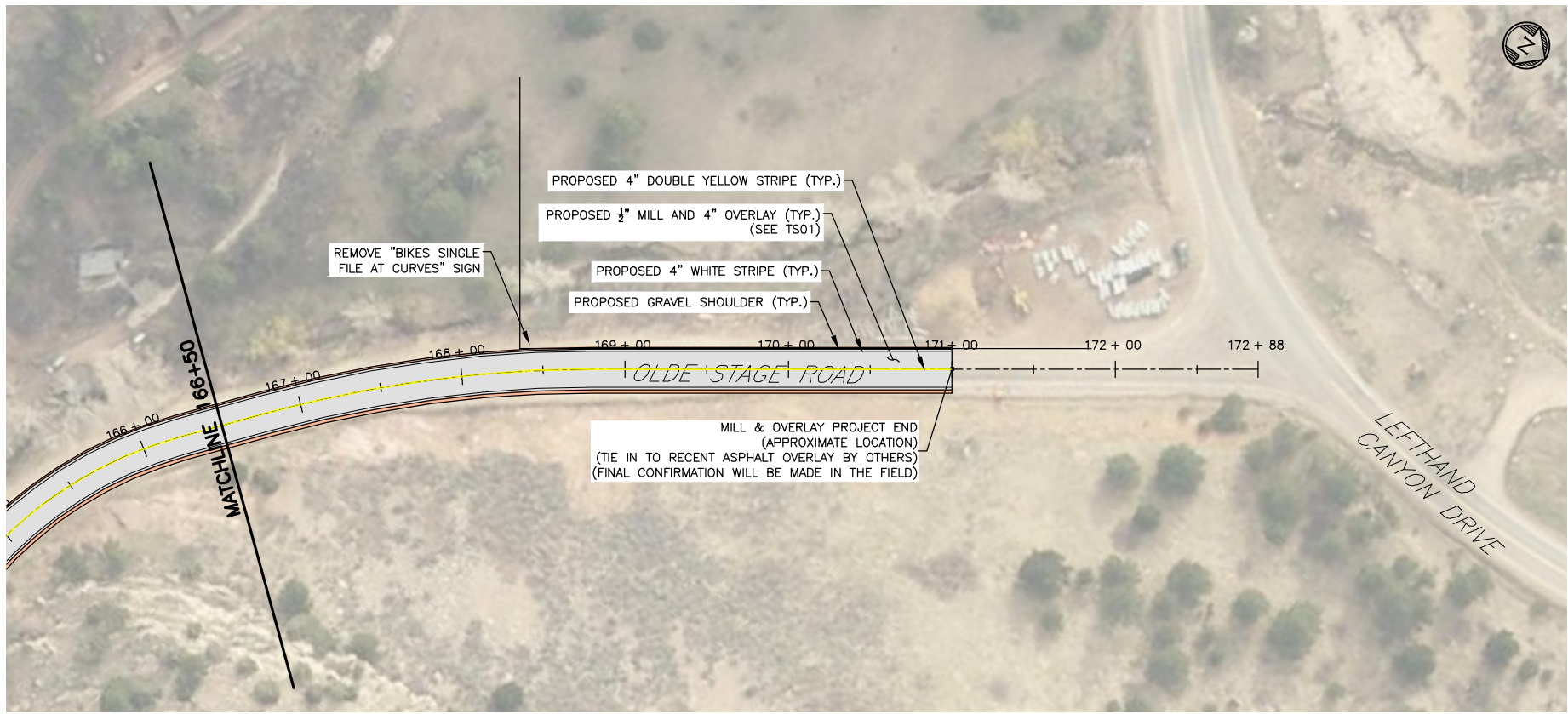
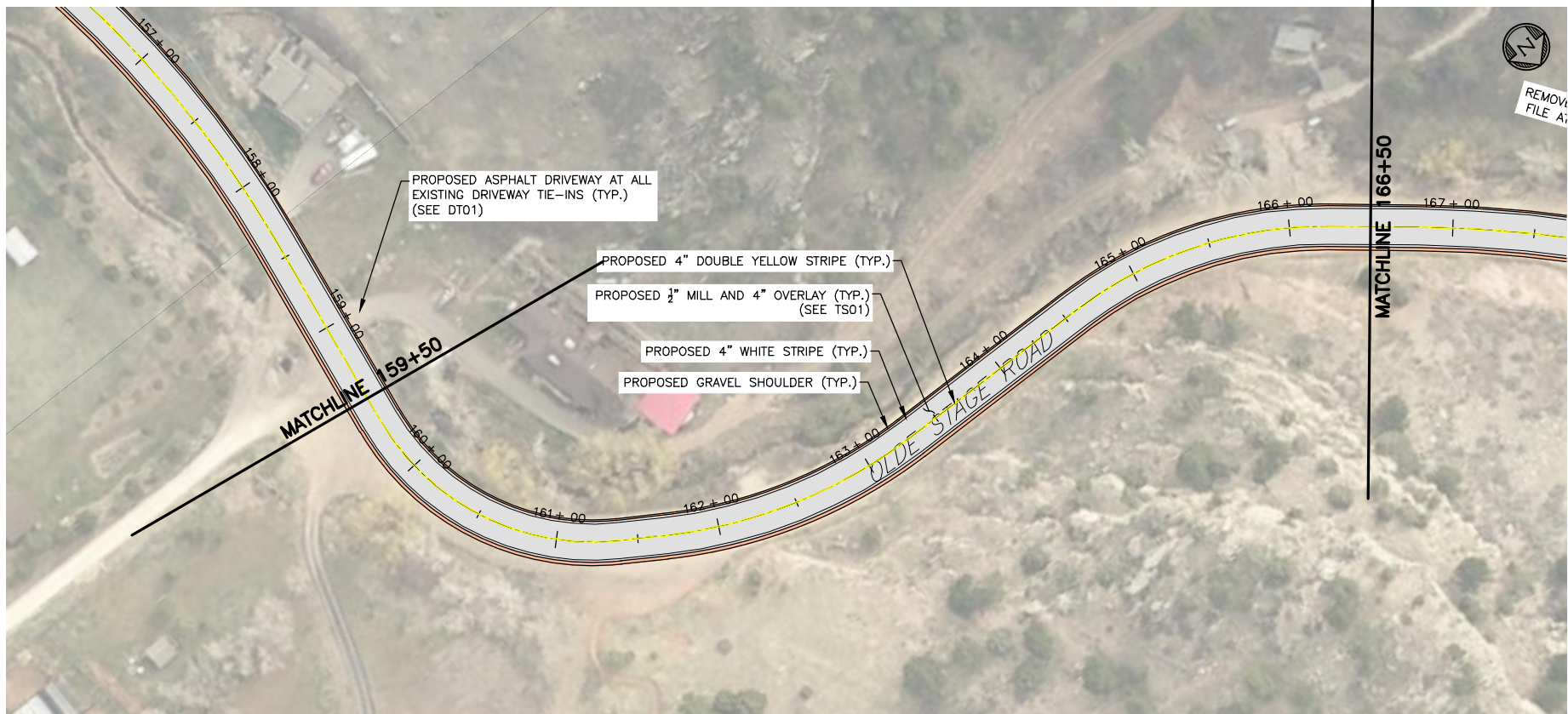
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

MILL/OVERLAY  
PLANS

PROJECT: 20940-01BLTR  
DRAWING NO.

**M012**

SHEET: 23 OF 40



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**SHOULDER WIDENING &**  
**MILL/OVERLAY**  
 BOULDER COUNTY, COLORADO

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DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
 DRAWN BY: KRC  
 CHECKED BY: DFS

FILE NAME: 20940-01\_M009

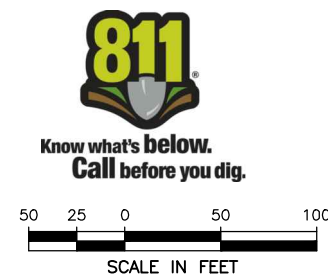
ORIGINAL DRAWING SCALE:  
 HORIZONTAL: SEE PLAN  
 VERTICAL: SEE PLAN

MILL/OVERLAY  
 PLANS

PROJECT: 20940-01BLTR  
 DRAWING NO.

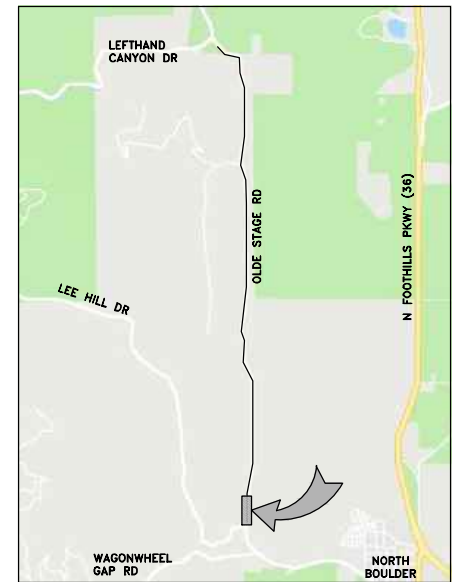
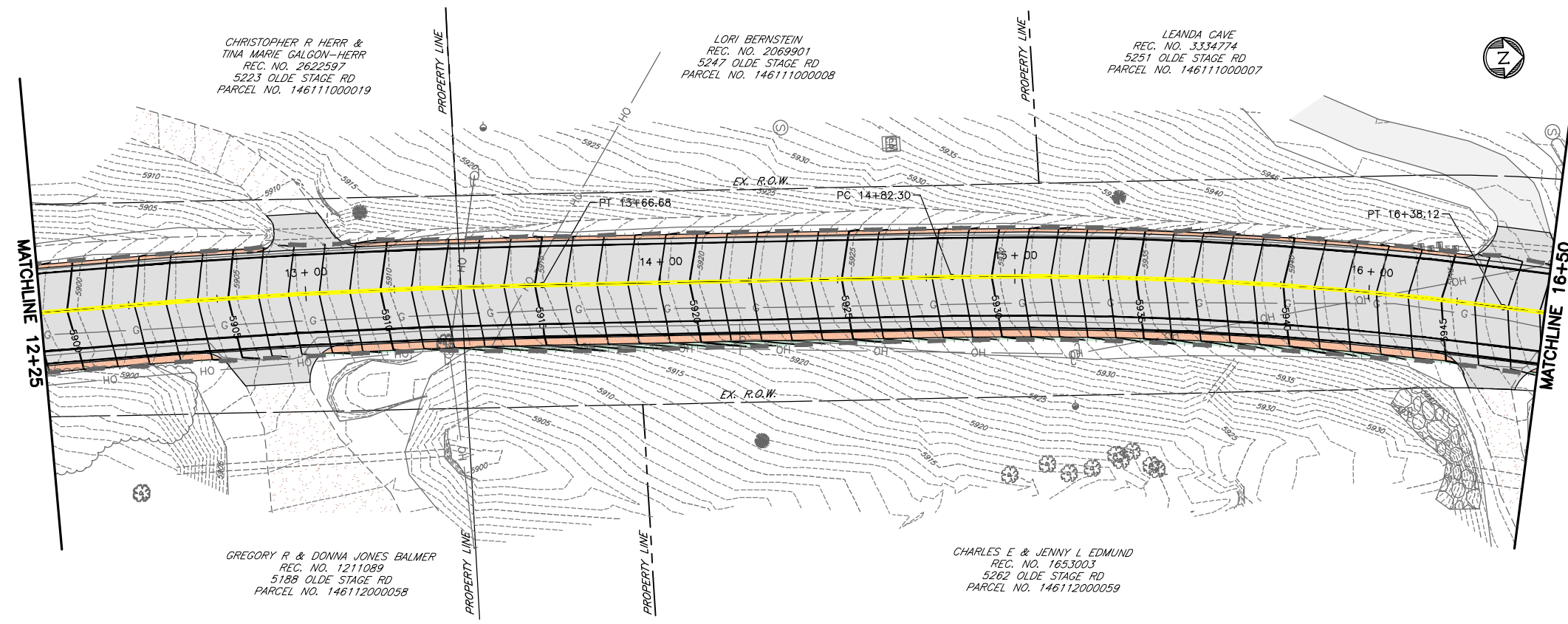
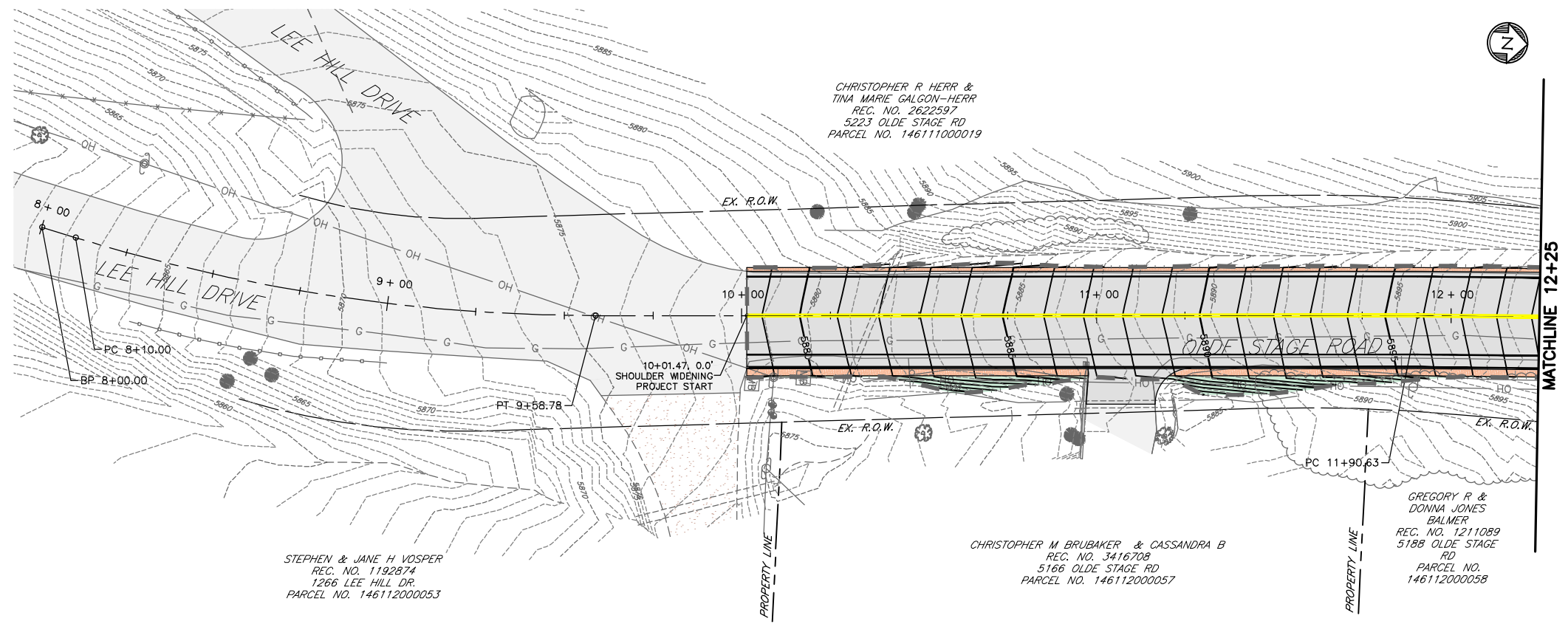
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SHEET: 24 OF 40



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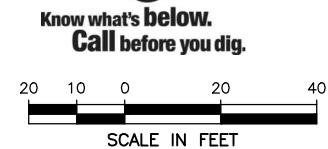
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KEY MAP  
NOT TO SCALE

LEGEND:

- EXISTING INDEX CONTOUR.....-5900-
- EXISTING INTERMEDIATE CONTOUR.....-5899-
- PROPOSED INDEX CONTOUR.....-6735-
- PROPOSED INTERMEDIATE CONTOUR.....-6736-
- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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GREELEY

OWNER/CLIENT:

**Boulder County**  
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COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD & SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
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DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_GP01

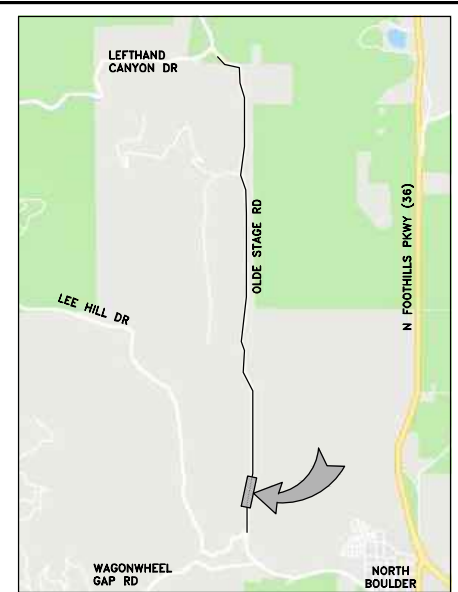
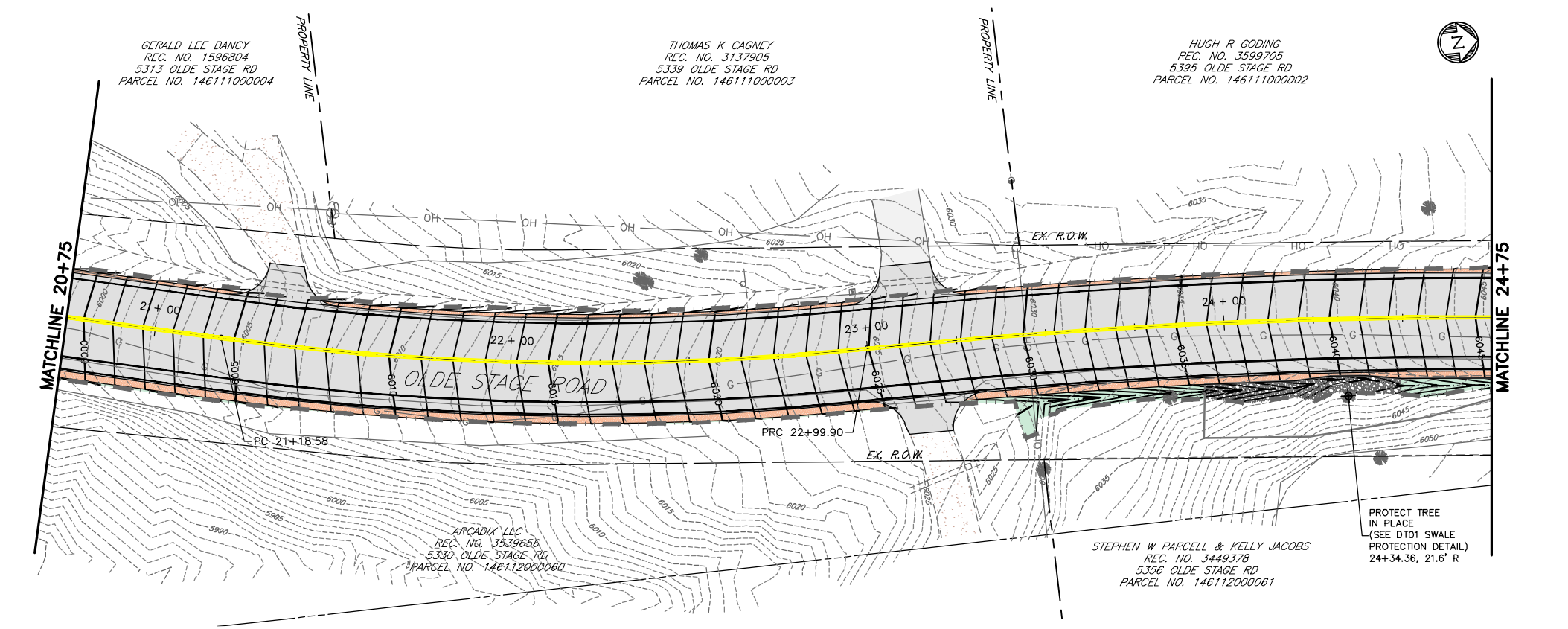
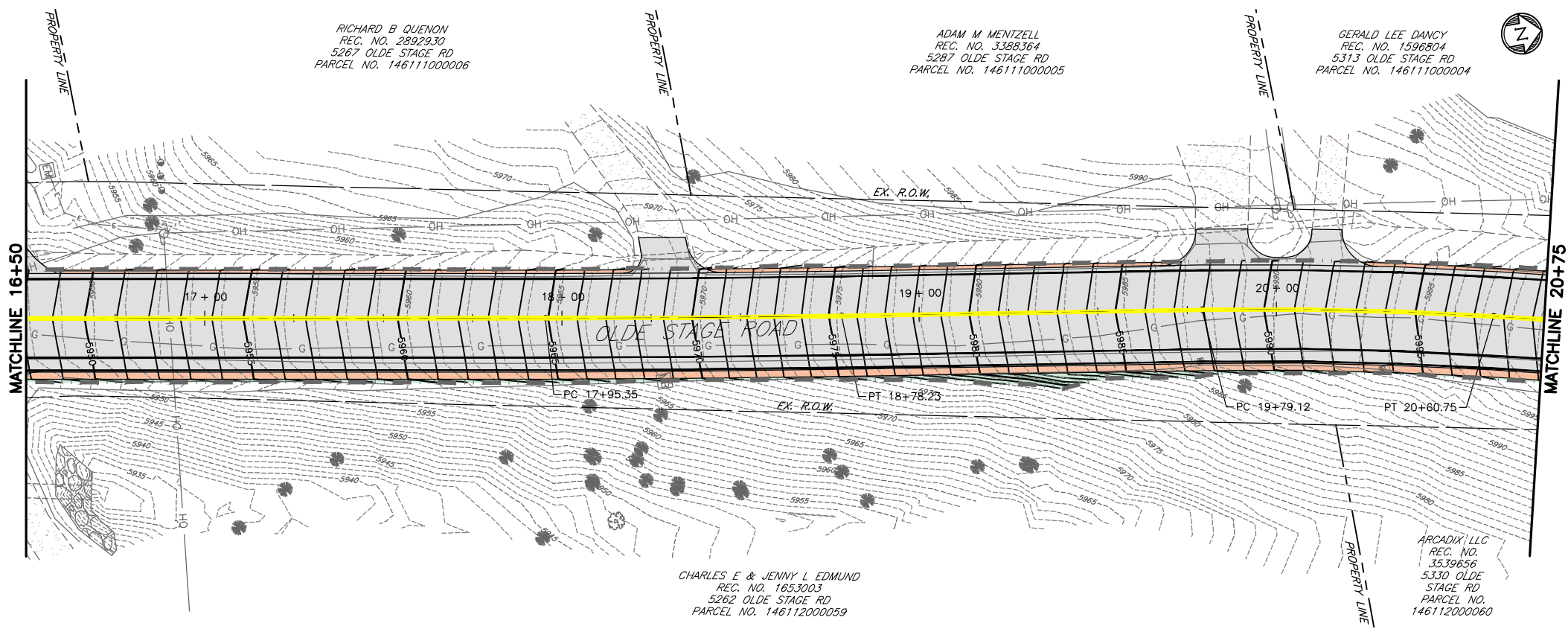
ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

GRADING & EASEMENT PLAN

PROJECT: 20940-01BLTR  
DRAWING NO.

**GP01**

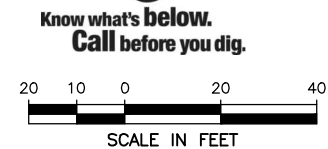
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KEY MAP  
NOT TO SCALE

LEGEND:

- EXISTING INDEX CONTOUR.....-5900-
- EXISTING INTERMEDIATE CONTOUR.....-5899-
- PROPOSED INDEX CONTOUR.....-6735-
- PROPOSED INTERMEDIATE CONTOUR.....-6736-
- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- AREA OF DISTURBANCE.....



PREPARED BY:

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COLTON COUGHLIN, E.I.T.

CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_GP01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

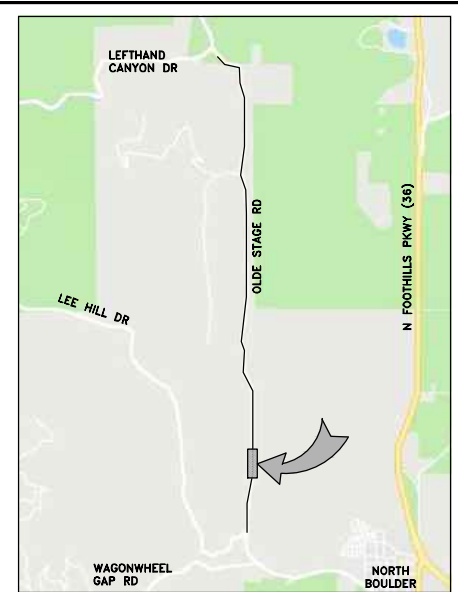
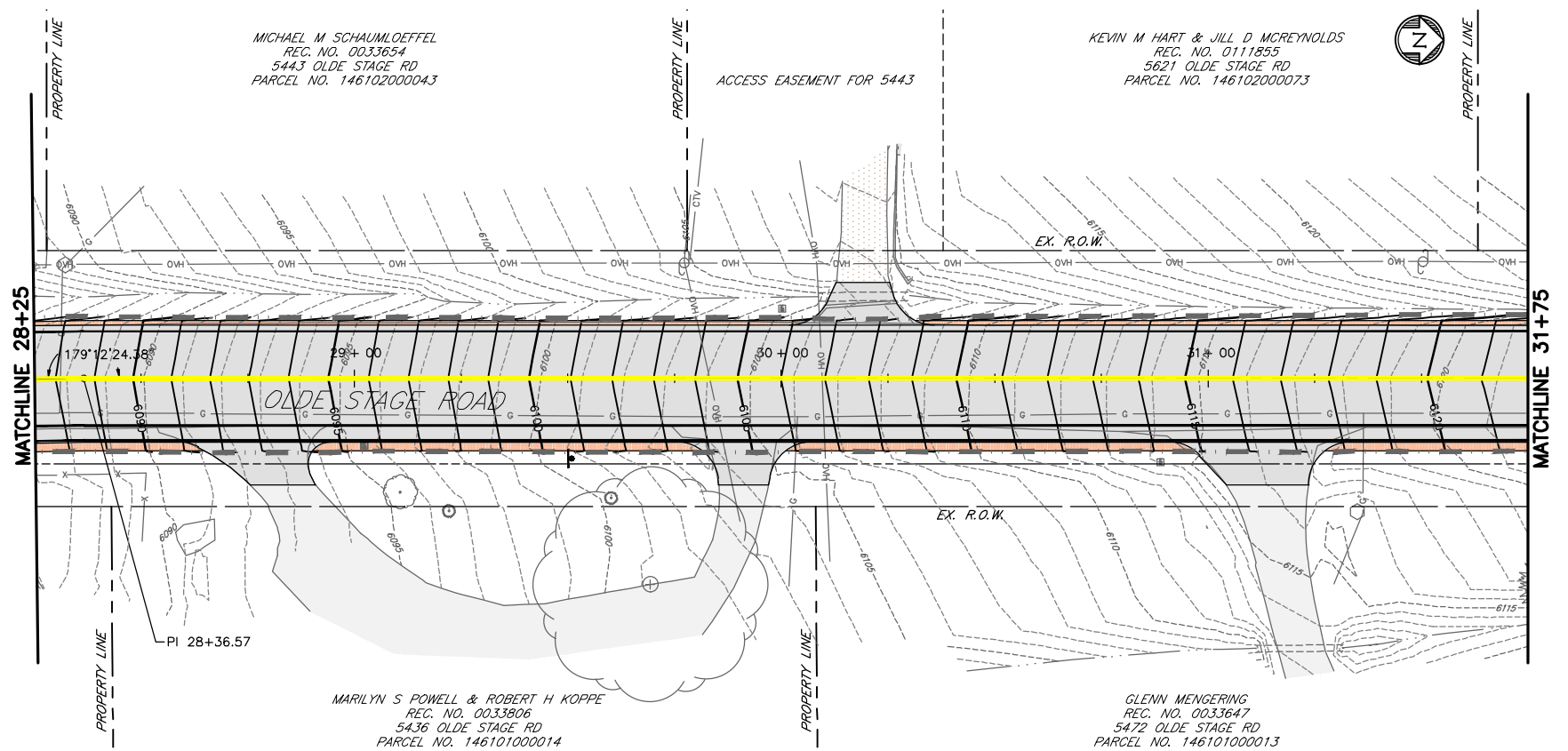
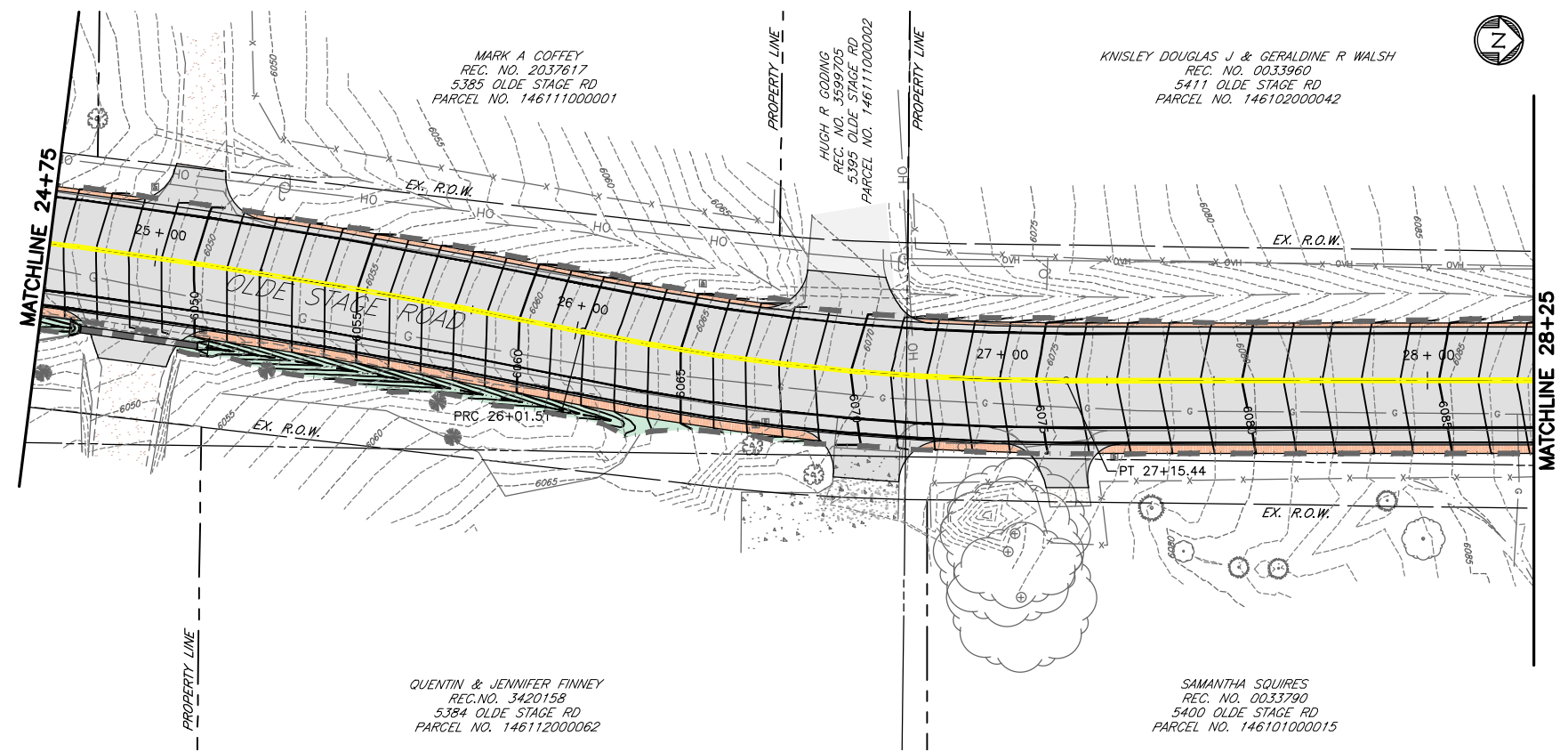
**GRADING &  
EASEMENT  
PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**GP02**

SHEET: 26 OF 40

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**KEY MAP**  
NOT TO SCALE

**LEGEND:**

- EXISTING INDEX CONTOUR.....-5900-
- EXISTING INTERMEDIATE CONTOUR.....-5899-
- PROPOSED INDEX CONTOUR.....-6735-
- PROPOSED INTERMEDIATE CONTOUR.....-6736-
- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- AREA OF DISTURBANCE.....

**811**  
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SCALE IN FEET



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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD &  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS  
FILE NAME: 20940-01\_GP01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**GRADING &  
EASEMENT  
PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**GP03**

SHEET: 27 OF 40

RICHARD N STATZ  
REC. NO. 0033979  
5493 OLDE STAGE RD  
PARCEL NO. 14610200044

NEIL W KARK  
REC. NO. 0033850  
5505 OLDE STAGE RD  
PARCEL NO. 14610200045

KEVIN M HART & JILL D MCREYNOLDS  
REC. NO. 0111855  
5621 OLDE STAGE RD  
PARCEL NO. 14610200073

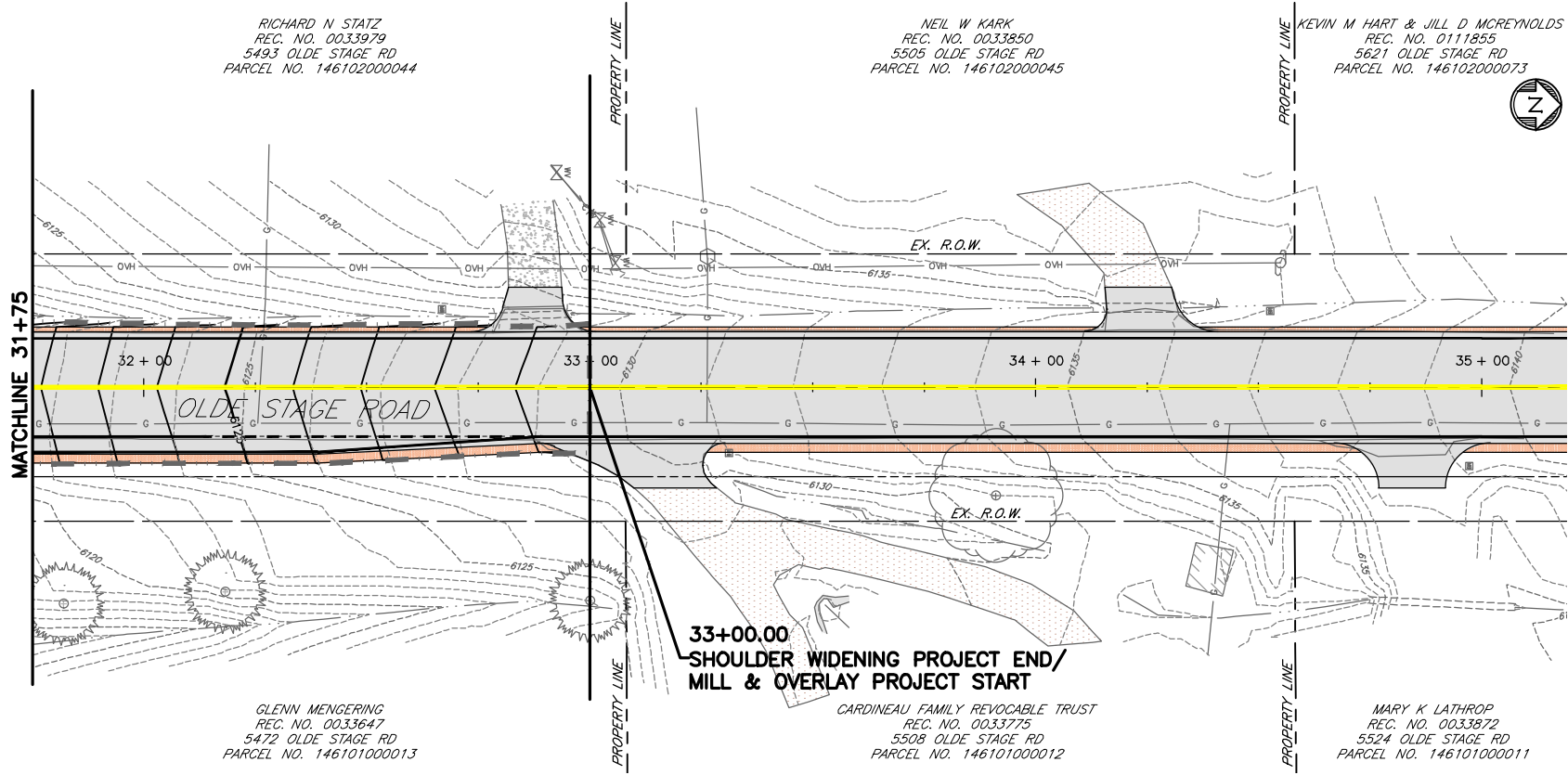
GLENN MENGERING  
REC. NO. 0033647  
5472 OLDE STAGE RD  
PARCEL NO. 14610100013

CARDINEAU FAMILY REVOCABLE TRUST  
REC. NO. 0033775  
5508 OLDE STAGE RD  
PARCEL NO. 14610100012

MARY K LATHROP  
REC. NO. 0033872  
5524 OLDE STAGE RD  
PARCEL NO. 14610100011

33+00.00  
SHOULDER WIDENING PROJECT END/  
MILL & OVERLAY PROJECT START

MATCHLINE 31+75



KEY MAP  
NOT TO SCALE

LEGEND:

- EXISTING INDEX CONTOUR.....-5900-
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- PROPOSED INTERMEDIATE CONTOUR.....-6736-
- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- AREA OF DISTURBANCE.....



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CONSTRUCTION PLANS FOR:  
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BOULDER COUNTY, COLORADO

ISSUE	DATE
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DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_GP01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**GRADING &  
EASEMENT  
PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**GP04**

SHEET: 28 OF 40

## SWMP NARRATIVE:

THE OVERALL PROJECT FOR OLDE STAGE ROAD REHABILITATION IS A COMBINATION OF ROADWAY MAINTENANCE WITH SOME NEW CONSTRUCTION OF MINOR ROADWAY IMPROVEMENTS. IT WILL INCLUDE SHOULDER WIDENING PLUS A MILL/OVERLAY OF THE ENTIRE 3 MILE ROADWAY.

THE PROJECT SITE IS IN THE FOOTHILLS WITH MIXED FOREST AND MEADOW AREAS. RURAL RESIDENTIAL DEVELOPMENT OCCURS IN THIS AREA. VEGETATION ON THE SITE CONSISTS MOSTLY OF GRASSES WITH NUMEROUS NON-NATIVE AND WEEDY PLANT SPECIES PRESENT, INCLUDING SMOOTH BROME, CHEAT GRASS, THISTLES, ORCHARD GRASS, PONDEROSA PINE TREES, AND ASH TREES. 80% VEGETATIVE GROUND COVER IS ESTIMATED. SUBSURFACE CONDITIONS ENCOUNTERED INCLUDED SANDS, CLAY/SILTS, AND GRAVELS. THEY WERE INTERBEDDED AND CONTAINED COBBLES AND LIKELY BOULDERS, HAD FINE TO COARSE GRAINED SAND PORTIONS, MEDIUM TO HIGH PLASTICITY, MOIST, AND BROWN TO RED IN COLOR. BASED ON AREA SOIL SURVEY, THE POTENTIAL FOR SOIL EROSION IS LOW TO MODERATE.

MORE INFORMATION CAN BE FOUND IN THE FOLLOWING PROJECT REPORTS:

- BIOLOGICAL ASSESSMENT, WETLANDS DELINEATION, AND THREATENED & ENDANGERED SPECIES SURVEY, PROFESSIONAL WETLANDS CONSULTING, INC., AUGUST 9, 2018
- REVISED GEOTECHNICAL REPORT, PAVEMENT DESIGN AND EVALUATION, GROUND ENGINEERING CONSULTANTS, NOVEMBER 21, 2016

## TOPSOIL NOTES:

- ALL TOPSOIL SHALL BE EITHER SECURED FROM THE SITE OR IMPORTED.
- ALL TOPSOIL SHALL BE PLACED UPON CONSTRUCTED CUT AND FILL SLOPES AFTER GRADING OPERATIONS ARE COMPLETED AND PRIOR TO SEEDING. SURFACE OF TOPSOIL SHALL MATCH FINAL GRADES SHOWN ON DRAWINGS OR AS DIRECTED BY THE ENGINEER OR VEGETATION SPECIALIST.
- ALL TOPSOIL SHALL BE A MINIMUM THICKNESS OF 4 INCHES.
- IMPORTED TOPSOIL:
  - SHALL BE APPROVED BY BOULDER COUNTY AT THE SOURCE PRIOR TO IMPORT.
  - SHALL CONSIST OF ROUGHLY EQUAL PARTS SAND, CLAY & LOAM (I.E., A SANDY CLAY LOAM) AND CAPABLE OF SUPPORTING PLANT LIFE.
  - SHALL BE FREE OF SUBSOIL, REFUSE, STUMPS, WOODY ROOTS, ROCKS, BRUSH, NOXIOUS WEED SEED AND REPRODUCTIVE PLANT PARTS FROM CURRENT STATE AND BOULDER COUNTY WEED LISTS (AS FEASIBLE), HEAVY CLAY, HARD CLODS, TOXIC SUBSTANCES, OR OTHER MATERIAL WHICH WOULD BE DETRIMENTAL TO ITS USE ON THE PROJECT.
  - SHALL NOT BE TOXIC TO PLANT LIFE AND EXHIBIT THE FOLLOWING QUALITIES
    - PH BETWEEN 6.0 AND 8.0.
    - SALTS SHALL BE LESS THAN 2.0 MMHOS/CM OR EC AND SODIUM LESS THAN 10 ESP OR MEQ/100G SOIL.
    - CEC NO LESS THAN 15.0
- AN AGRONOMIC SOIL NUTRIENT ANALYSIS OF EXISTING AND IMPORTED SOIL SHALL BE PROVIDED BY THE CONTRACTOR A MINIMUM OF FOUR WEEKS BEFORE ITS USE ON THE PROJECT SITE FOR THE VEGETATION SPECIALIST'S APPROVAL. TOPSOIL ANALYSIS SHALL BE CURRENT AND HAVE BEEN CONDUCTED WITHIN 60 DAYS FROM THE SUBMITTAL DATE. THE ANALYSIS SHALL INDICATE ANY DEFICIENCIES OR EXCESSES, AND RECOMMENDED AMENDMENTS AND RATES, INCLUDING MACRO- AND MICRO-NUTRIENTS FOR NATIVE SEEDING. THE CONTRACTOR SHALL PROVIDE AS MANY SAMPLES AND ANALYSES FROM AS MANY SOURCES AS NECESSARY UNTIL A SUITABLE TOPSOIL IS FOUND OR CAN BE AMENDED TO BE SUITABLE. THE VEGETATION SPECIALIST RESERVES THE RIGHT TO WAIVE SPECIFIC REQUIREMENTS SET FORTH HEREIN

## EROSION CONTROL NOTES:

- COLORADO DISCHARGE PERMIT SYSTEM STORMWATER CONSTRUCTION PERMIT (CDPS-SCP): COLORADO REVISED STATUTES REQUIRE THAT ALL CONSTRUCTION SITES/DEVELOPMENT PROJECTS, WHICH BY DEFINITION, DISTURB ONE OR MORE ACRES IN AREA, SHALL BE COVERED BY A STATE ISSUED GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES. INFORMATION ON THE APPLICATION REQUIREMENTS FOR THE STATE PERMIT CAN BE OBTAINED BY PHONE AT 303-692-3500; OR BY VISITING THEIR OFFICES LOCATED AT 4300 CHERRY CREEK DRIVE SOUTH, DENVER, CO 80246. OR ON THE WEB AT: WWW.CDPHE.STATE.CO.US.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED BEFORE CONSTRUCTION AND GRADING OPERATIONS BEGIN. ALL EROSION CONTROL MEASURES SHALL BE PLACED CONTINUALLY AS DRAINAGE FEATURES ARE BEING CONSTRUCTED. MEASURES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE AND SUBSTANTIALLY STABILIZED (70% OF PRE-DISTURBANCE LEVELS). ANY EROSION CONTROL MEASURE DAMAGED OR REMOVED SHALL BE FIXED OR REPLACED AS NECESSARY. THIS WORK SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.

## SEED NOTES:

- SEED DISTURBED AREAS WITH APPROPRIATE SEED MIX AS DESCRIBED BELOW-

FOOTHILLS SEED MIX				
COMMON NAME	SPECIES NAME	VARIETY	% OF MIX	#PLS/ACRE
SIDE OATS GRAMA	BOUTELOUA CURTIPENDULA	VAUGHN	10%	1.82
BLUE GRAMA	BOUTELOUA GRACILIS	NATIVE, ALMA, OR HACHITA	15%	0.63
SLENDER WHEATGRASS	ELYMUS TRACHYCAULUS	SAN LUIS	20%	4.38
JUNEGRASS	KOELERIA MACRANTHA	NATIVE	10%	0.15
WESTERN WHEATGRASS	PASCOPYRUM SMITHII	ARRIBA	10%	3.17
WESTERN WHEATGRASS	PASCOPYRUM SMITHII	NATIVE	10%	3.17
SWITCHGRASS	PANICUM VIRGATUM	BLACKWELL OR NEBRASKA 2B	7%	0.63
LITTLE BLUESTEM	SCHIZACHYRIUM SCAPARIUM	CIMARRON OR PASTURA	8%	1.07
GREEN NEEDLEGRASS	STIPA VIRIDULA	LODORM OR NATIVE	10%	1.93

- SEEDING APPLICATION - SEEDING SHALL BE HAND BROADCAST AND RAKED TO A DEPTH OF 0.25" TO 0.50" INTO THE SOIL.
- MULCHING APPLICATION - HYDROMULCH OR USE 1.5-TON CERTIFIED WEED FREE HAY OR STRAW PER ACRE TO BE CRIMPED INTO THE TOPSOIL.

## ENVIRONMENTAL NOTES:

- THE MIGRATORY BIRD TREATY ACT (MBTA) PROTECTS MIGRATORY BIRDS AND THEIR NESTS AND EGGS. FOR PROJECTS THAT COULD POTENTIALLY HAVE AN IMPACT, THE FOLLOWING CONDITIONS APPLY:
  - TREE TRIMMING/REMOVAL TREE TRIMMING AND/OR REMOVAL ACTIVITIES SHALL BE COMPLETED BEFORE BIRDS BEGIN TO NEST OR AFTER THE YOUNG HAVE FLEDGED. IN COLORADO, MOST NESTING AND REARING ACTIVITIES OCCUR BETWEEN APRIL 1 AND AUGUST 31. HOWEVER, SINCE SOME BIRDS NEST AS EARLY AS FEBRUARY, A NESTING BIRD SURVEY SHALL BE CONDUCTED BY BOULDER COUNTY BEFORE ANY TREE TRIMMING OR REMOVAL ACTIVITIES BEGIN.
  - CLEARING/GRUBBING ACTIVITIES CLEARING AND GRUBBING OF VEGETATION THAT MAY DISTURB GROUND NESTING BIRDS SHALL BE COMPLETED BEFORE BIRDS BEGIN TO NEST OR AFTER THE YOUNG HAVE FLEDGED. IF WORK ACTIVITIES ARE PLANNED BETWEEN APRIL 1 AND AUGUST 31, VEGETATION SHALL BE REMOVED AND/OR TRIMMED TO A HEIGHT OF SIX (6) INCHES OR LESS PRIOR TO APRIL 1. ONCE VEGETATION HAS BEEN REMOVED AND/OR TRIMMED, APPROPRIATE MEASURES, I.E. REPEATED MOWING/TRIMMING, SHALL BE IMPLEMENTED TO ASSURE VEGETATION DOES NOT GROW MORE THAN SIX (6) INCHES. FAILURE TO MAINTAIN VEGETATION HEIGHT OF SIX (6) INCHES OR LESS MAY POSTPONE PROJECT CONSTRUCTION.
  - BIRDS OF PREY FOR BIRDS OF PREY THAT COULD POTENTIALLY NEST NEAR THE PROJECT SITE, PLEASE CONTACT BOULDER COUNTY AND/OR REFER TO THE COLORADO DIVISION OF WILDLIFE'S "RECOMMENDED BUFFER ZONES AND SEASONAL RESTRICTIONS FOR COLORADO RAPTORS" GUIDELINES AVAILABLE AT COLORADO DIVISION OF WILDLIFE DISTRICT OFFICES.
- CONTAINMENT AND CLEANUP OF EQUIPMENT FUEL, OIL AND LUBRICANT LEAKS FOR PROJECTS IN SENSITIVE AREAS CONTRACTOR SHALL INSPECT EQUIPMENT AND VEHICLES AS OFTEN AS IS NECESSARY TO INSURE THAT PETROLEUM, OILS, AND LUBRICANTS (POL) ARE NOT LEAKING ONTO THE SOIL OR PAVEMENT. ABSORBENT MATERIALS OR CONTAINERS APPROVED BY THE ENGINEER SHALL BE USED TO PREVENT LEAKING POL FROM REACHING THE SOIL OR PAVEMENT. CONTRACTOR SHALL HAVE READY APPROVED ABSORBENT MATERIALS OR CONTAINERS OF SUFFICIENT CAPACITY TO CONTAIN ANY LEAK OF POL THAT CAN REASONABLY BE FORESEEN. ALL MATERIALS RESULTING FROM POL LEAKAGE CONTROL AND CLEANUP REMAIN THE PROPERTY OF THE CONTRACTOR. THE COST FOR CONTROL AND CLEANUP OF POL LEAKS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF WORK.
- WASTE MATERIALS THERE SHALL BE NO STOCKPILING OR SIDE CASTING OF WASTE MATERIALS INCLUDING BUT NOT LIMITED TO PAINT CHIPS, ASPHALT, OR CONCRETE ADJACENT TO ANY DRAINAGES (INCLUDING DRY DRAINAGES). PAINT MATERIAL REMOVED IN THE COURSE OF RESTRIPING SHALL BE PROPERLY CONTAINED AND DISPOSED OF TO PREVENT SUCH MATERIALS FROM ENTERING WATERS OF THE STATE.

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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD  
SHOULDER WIDENING &  
MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY: GSG  
DRAWN BY: KRC  
CHECKED BY: DFS

FILE NAME: 20940-01\_SWMP01

ORIGINAL DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

**STORM WATER  
MANAGEMENT  
NOTES**

PROJECT: 20940-01BLTR  
DRAWING NO.

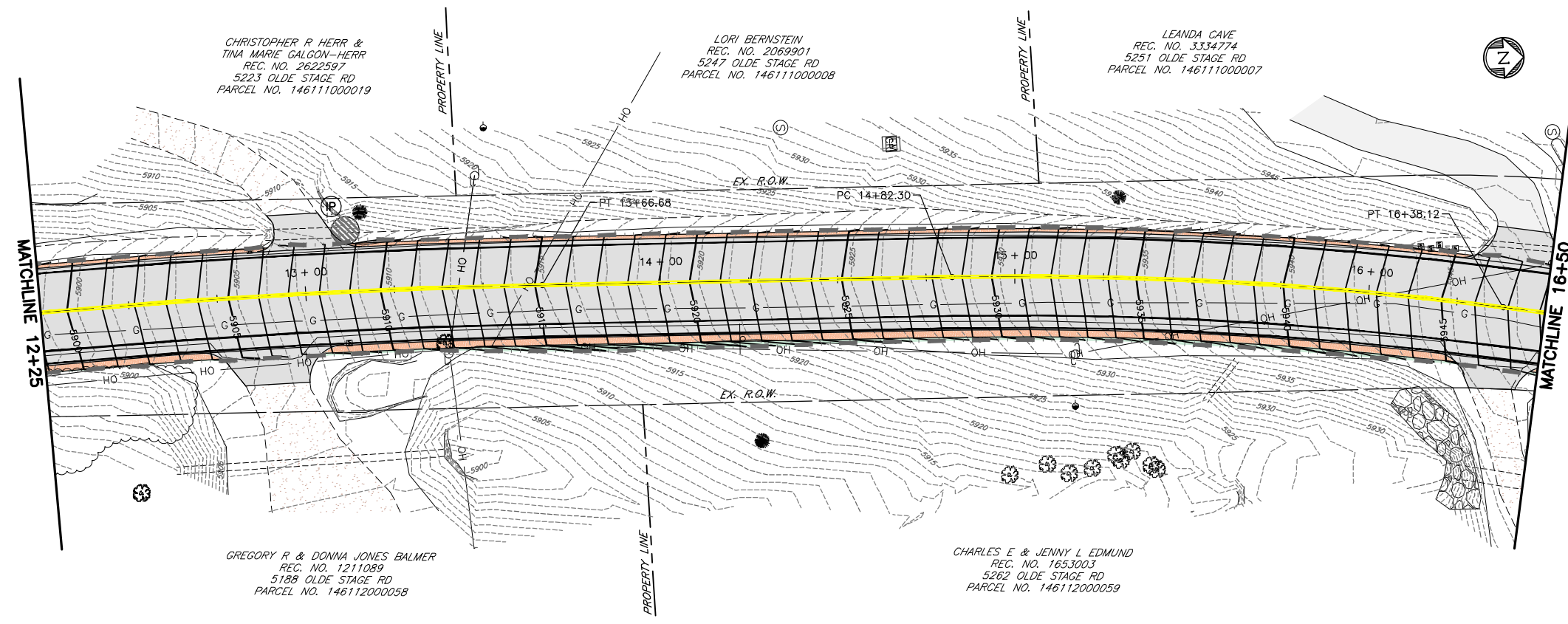
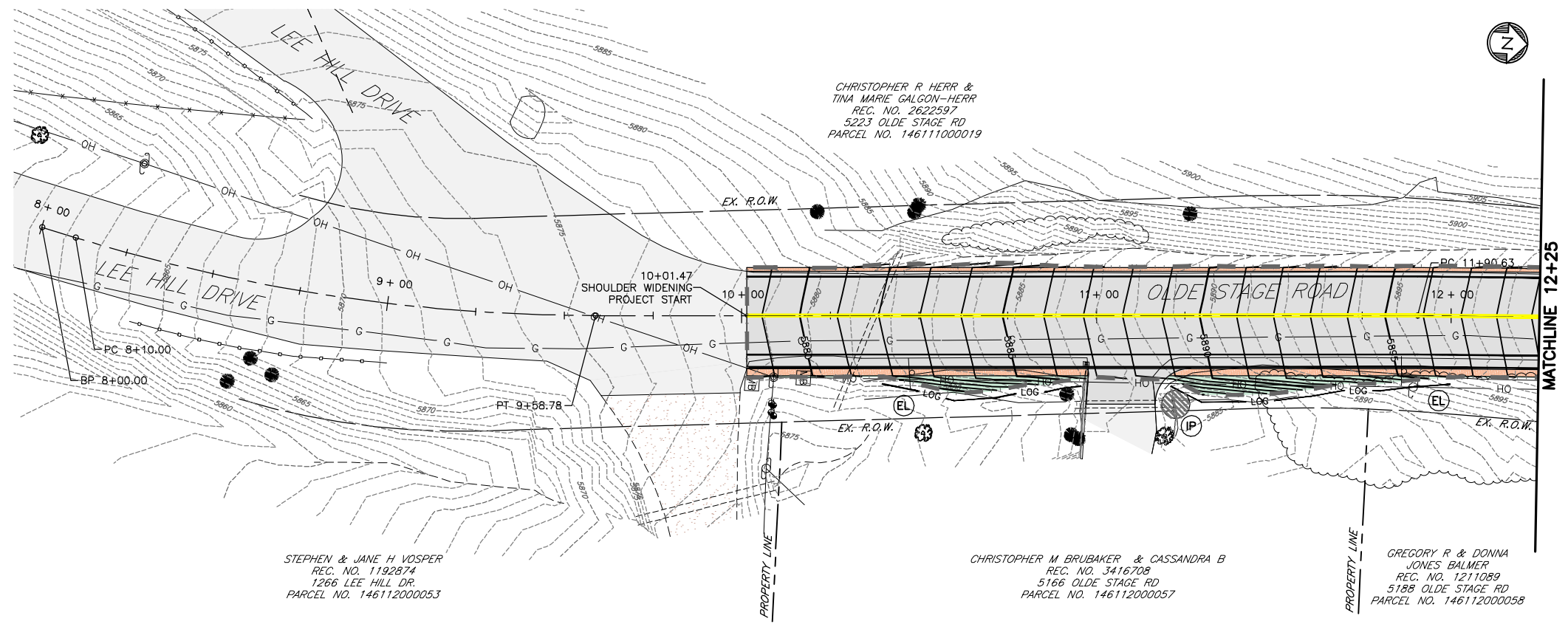
**SWMP01**

SHEET: 29 OF 40





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KEY MAP  
NOT TO SCALE

S.W.M.P. LEGEND:

- EXISTING INDEX CONTOUR.....5900
- EXISTING INTERMEDIATE CONTOUR.....5899
- PROPOSED INDEX CONTOUR.....6735
- PROPOSED INTERMEDIATE CONTOUR.....6736
- PROPOSED GRAVEL.....
- PROPOSED ASPHALT.....
- TOPSOIL & NATIVE SEEDING.....(NS)
- TOPSOIL & NATIVE SEEDING W/ SOIL RETENTION BLANKET.....(NS/RB)
- EROSION LOG.....(EL) — LOG
- INLET PROTECTION.....(IP)
- DIRECTION OF PROPOSED FLOW.....→
- DIRECTION OF EXISTING FLOW.....- - - - -
- AREA OF DISTURBANCE.....



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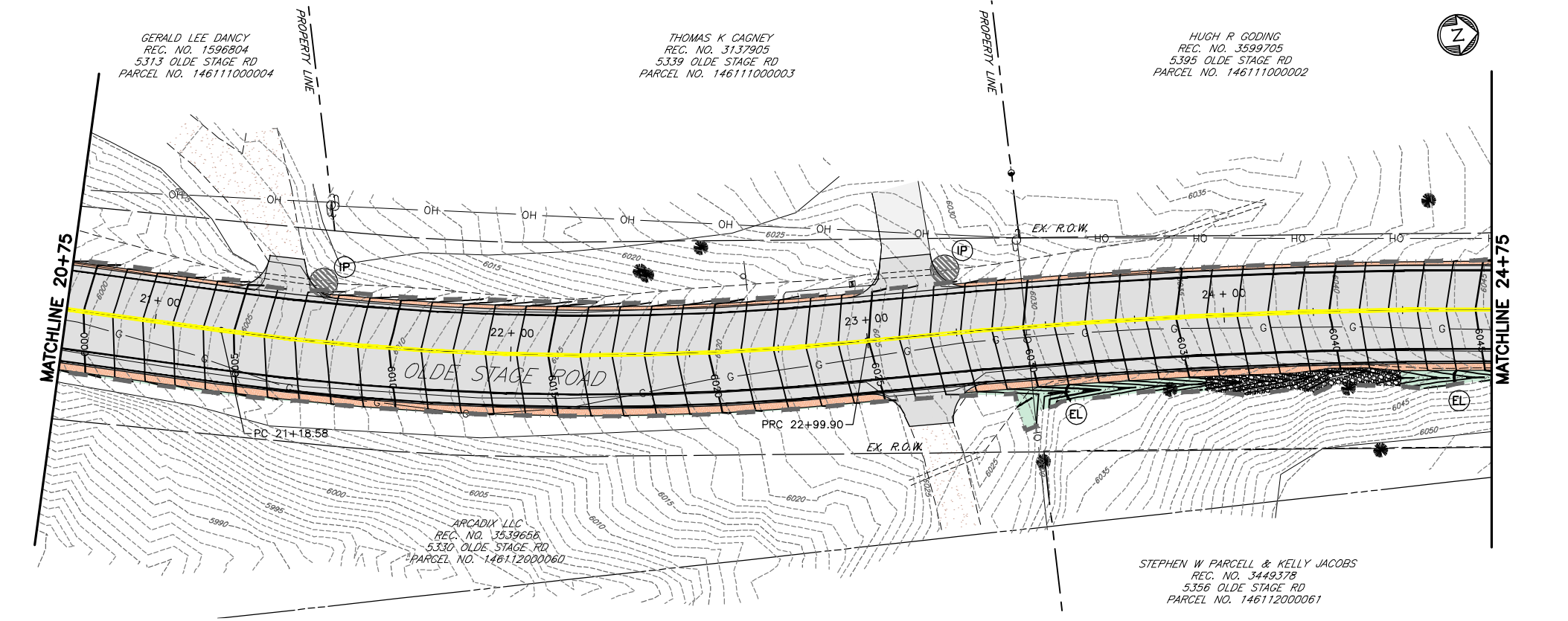
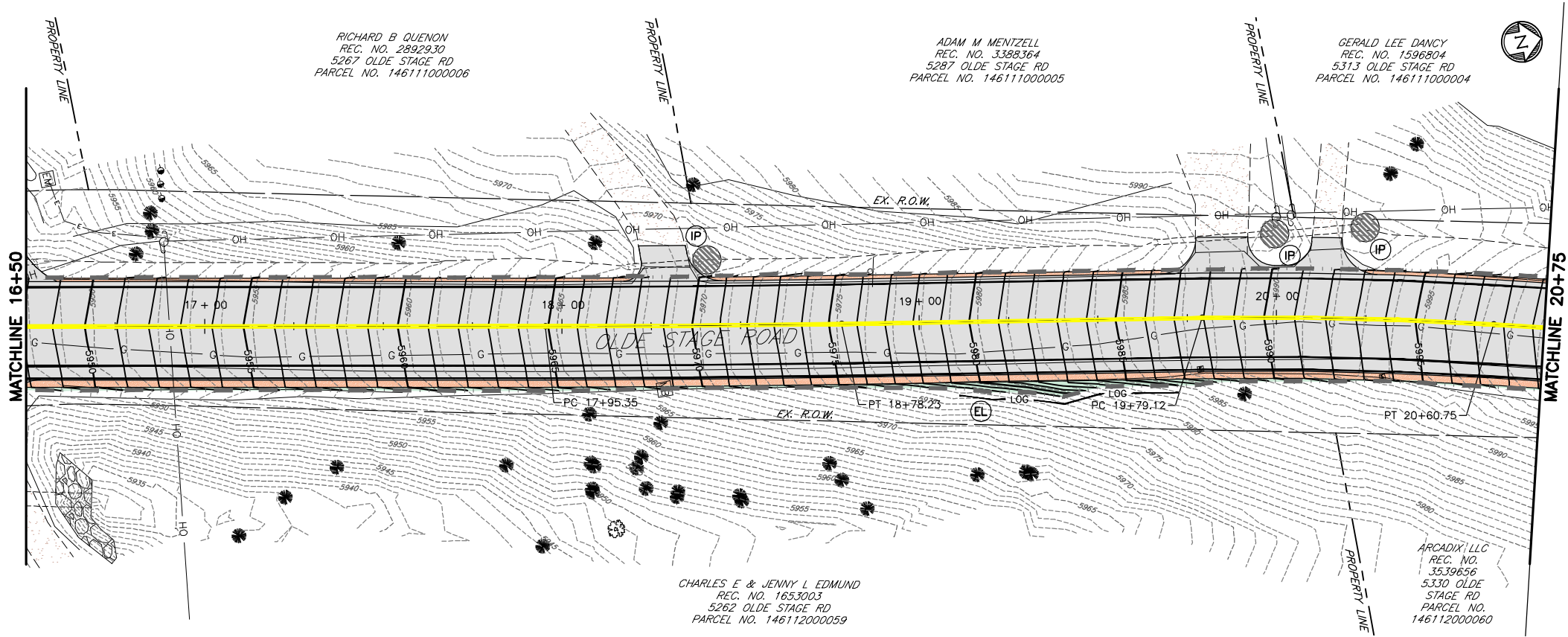
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HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

**STORMWATER  
MANAGEMENT  
PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SWMP02**

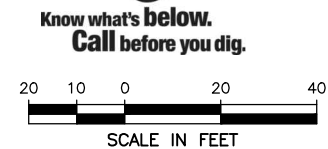
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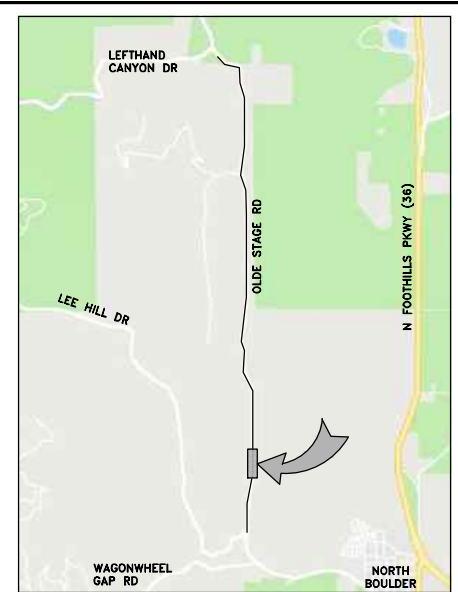
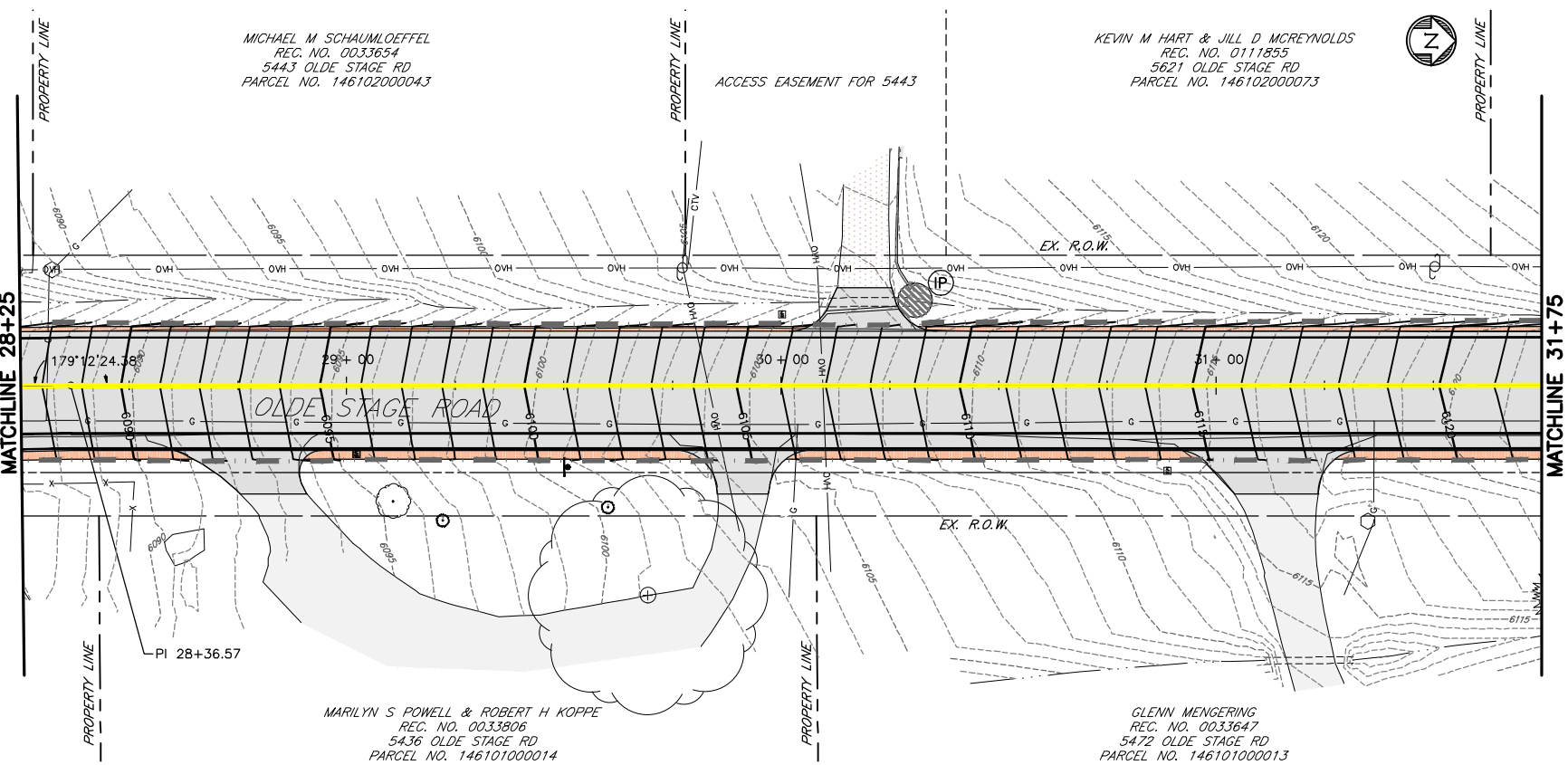
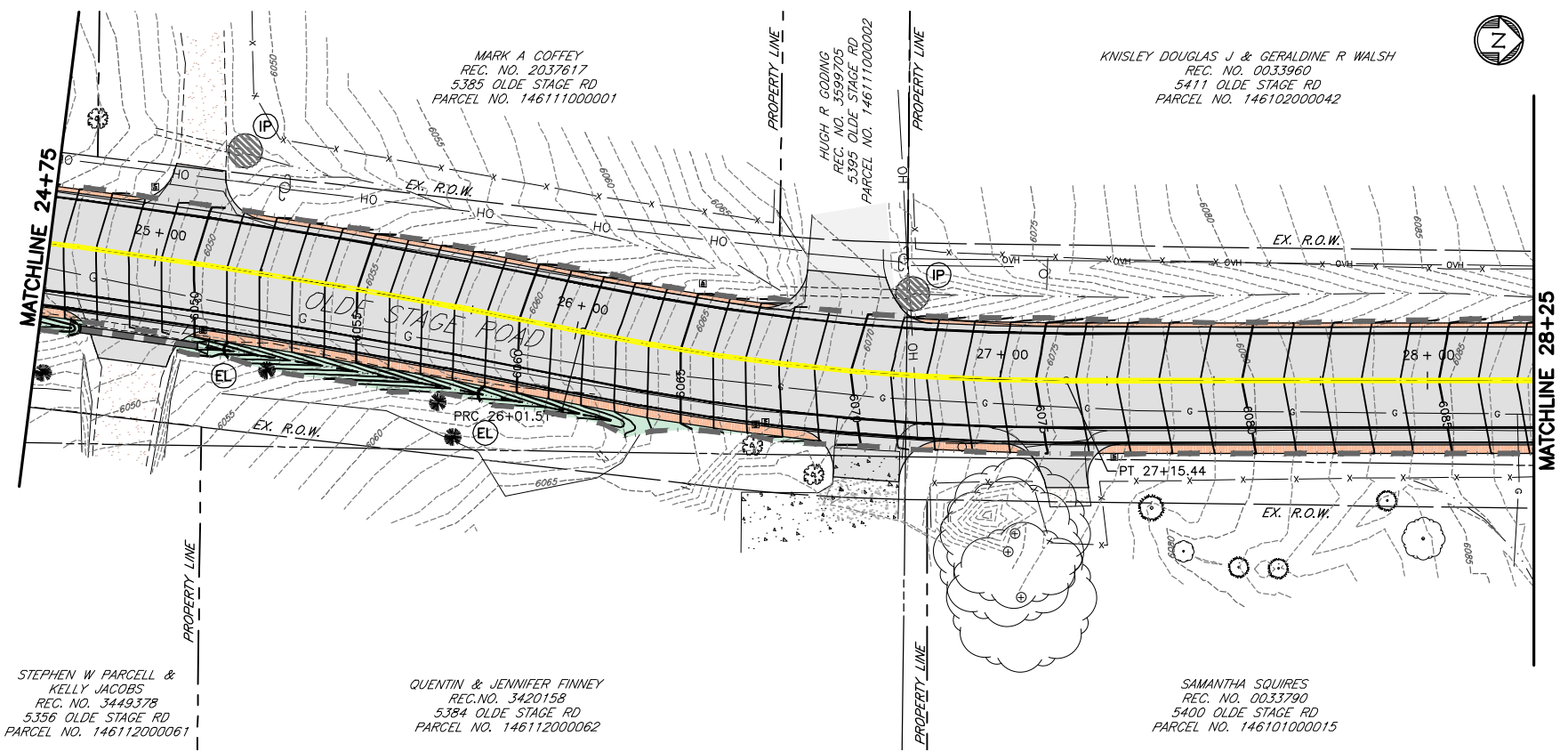
**STORMWATER MANAGEMENT PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SWMP03**

SHEET: 31 OF 40

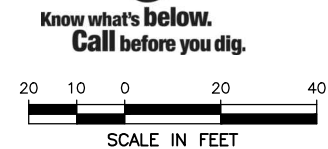
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**KEY MAP**  
NOT TO SCALE

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- DIRECTION OF EXISTING FLOW.....→
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BOULDER COUNTY, COLORADO

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**STORMWATER MANAGEMENT PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SWMP04**

SHEET: 32 OF 40

RICHARD N STATZ  
REC. NO. 0033979  
5493 OLDE STAGE RD  
PARCEL NO. 14610200044

NEIL W KARK  
REC. NO. 0033850  
5505 OLDE STAGE RD  
PARCEL NO. 14610200045

KEVIN M HART & JILL D MCREYNOLDS  
REC. NO. 0111855  
5621 OLDE STAGE RD  
PARCEL NO. 14610200073

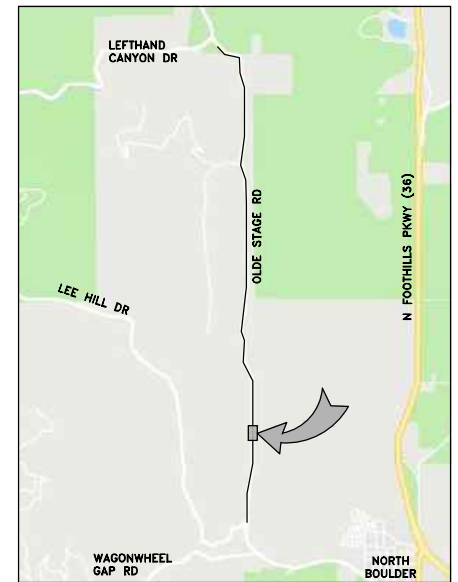
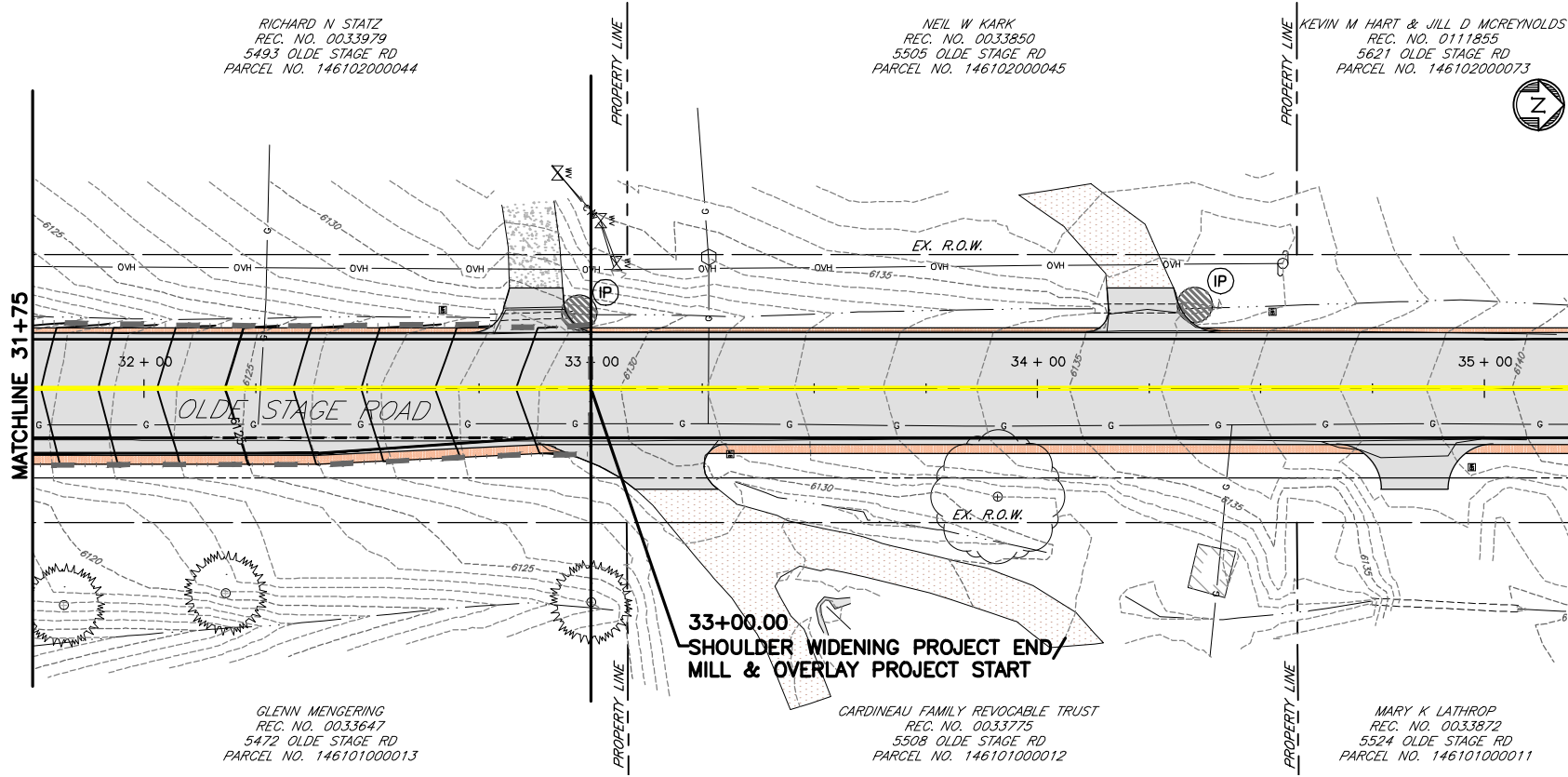
GLENN MENGERING  
REC. NO. 0033647  
5472 OLDE STAGE RD  
PARCEL NO. 14610100013

CARDINEAU FAMILY REVOCABLE TRUST  
REC. NO. 0033775  
5508 OLDE STAGE RD  
PARCEL NO. 14610100012

MARY K LATHROP  
REC. NO. 0033872  
5524 OLDE STAGE RD  
PARCEL NO. 14610100011

33+00.00  
SHOULDER WIDENING PROJECT END/  
MILL & OVERLAY PROJECT START

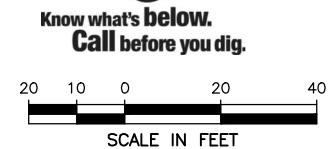
MATCHLINE 31+75



KEY MAP  
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**STORMWATER  
MANAGEMENT  
PLAN**

PROJECT: 20940-01BLTR  
DRAWING NO.

**SWMP05**

SHEET: 33 OF 40

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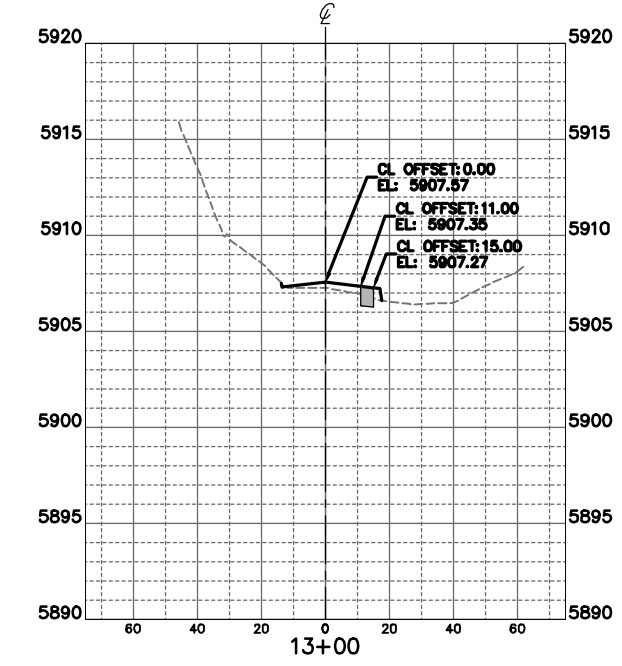
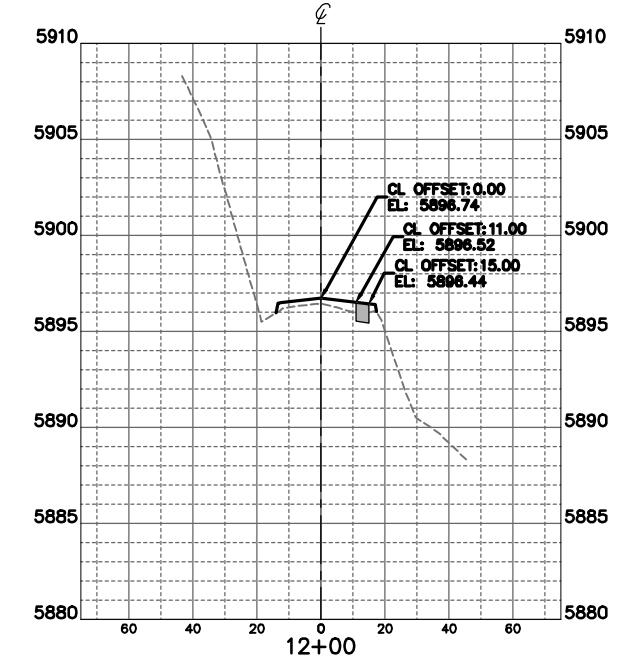
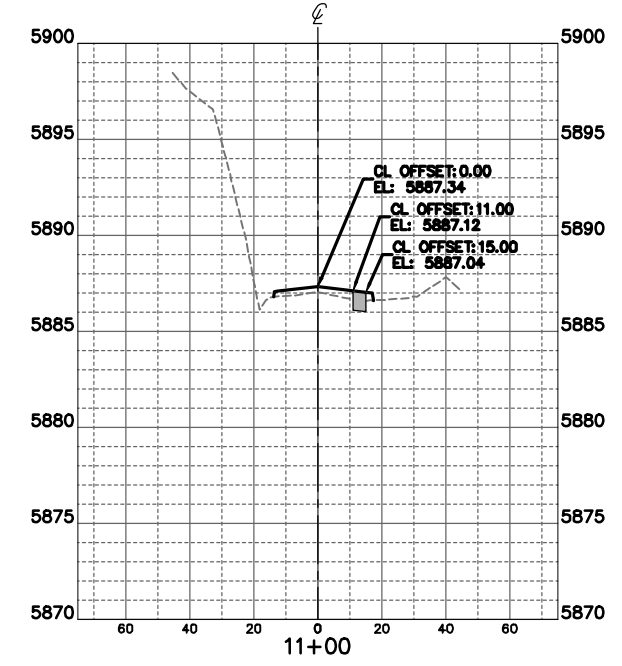
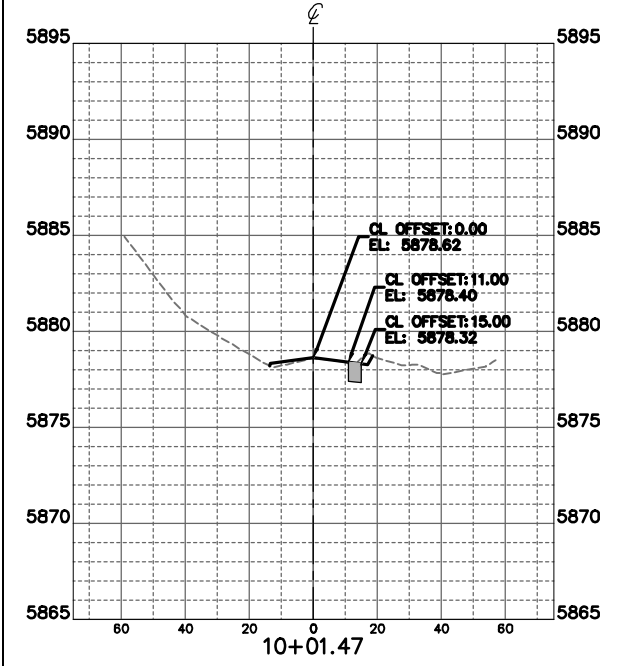
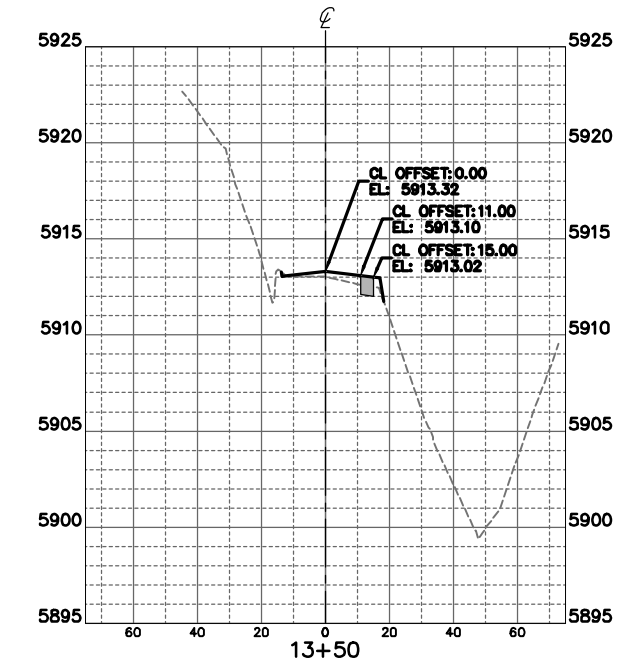
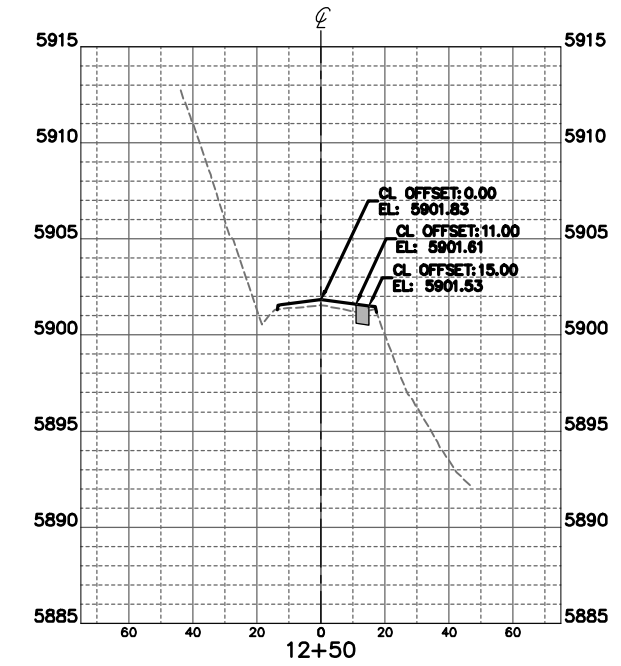
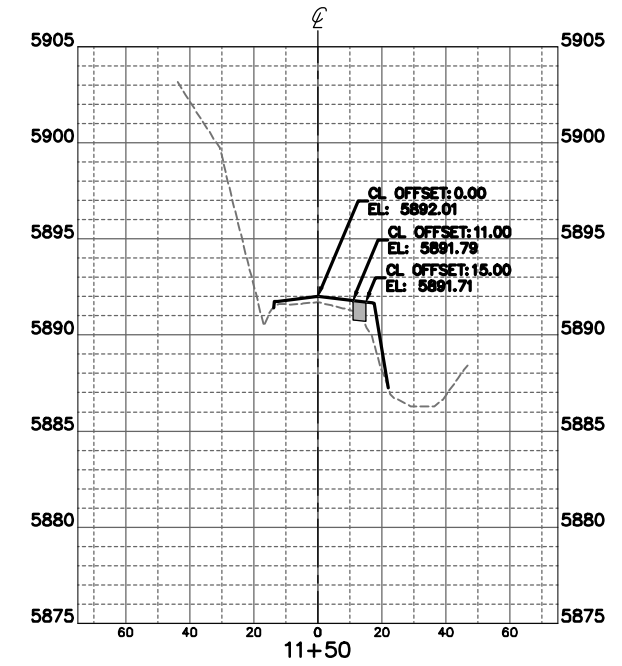
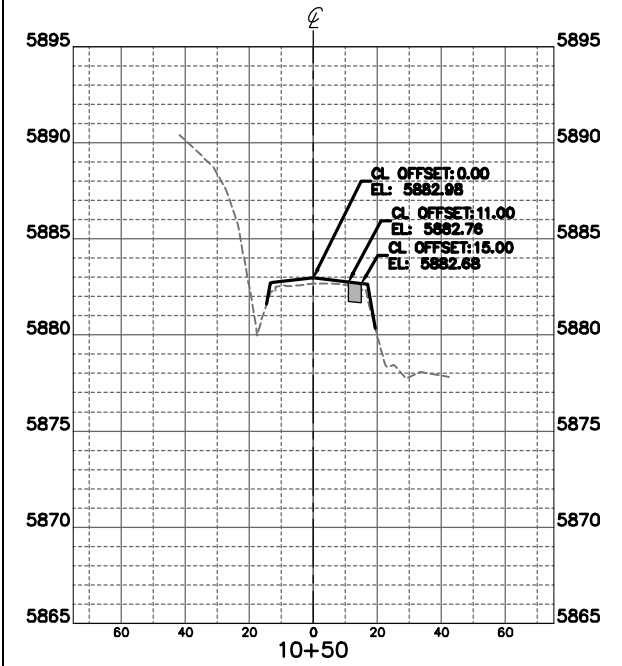
ORIGINAL DRAWING SCALE:  
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CROSS  
SECTIONS

PROJECT:20940-01BLTR  
DRAWING NO.

**XS01**

SHEET: 34 OF 40



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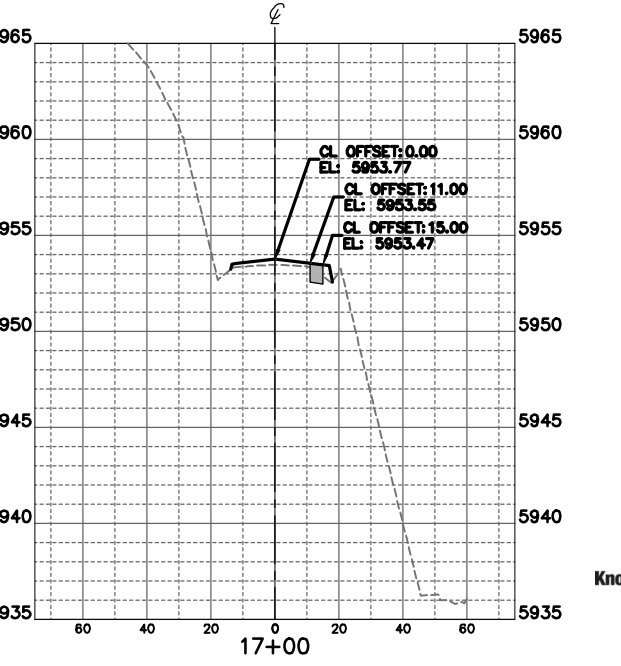
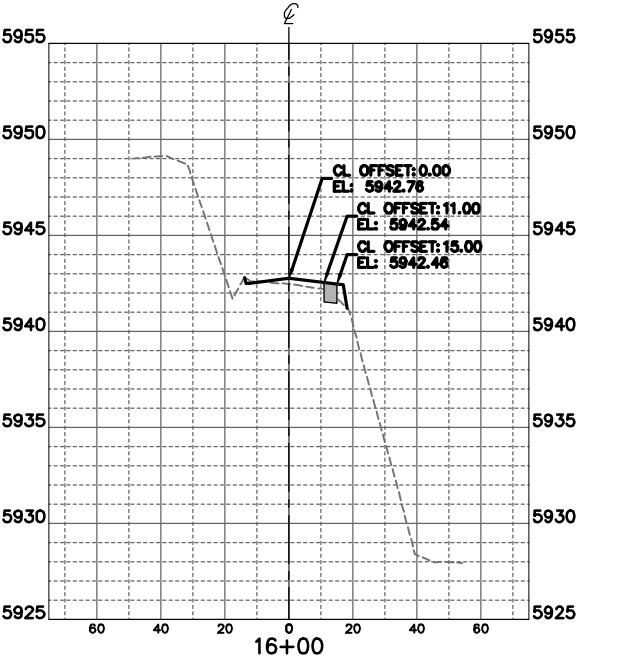
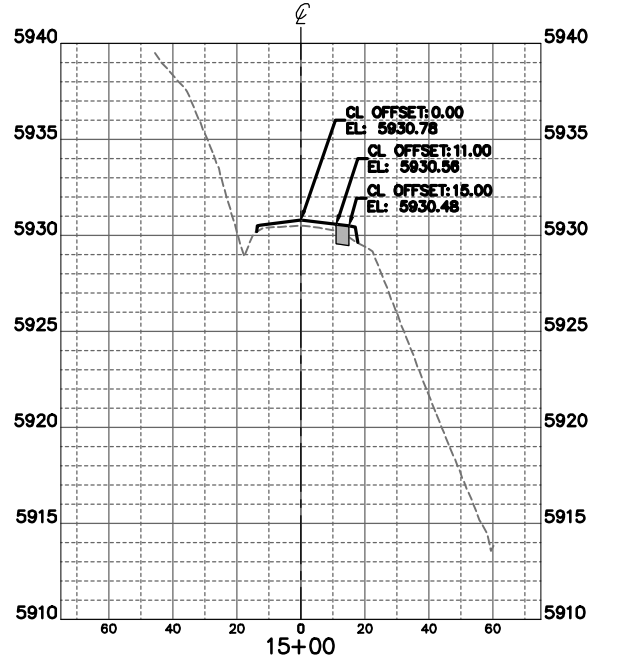
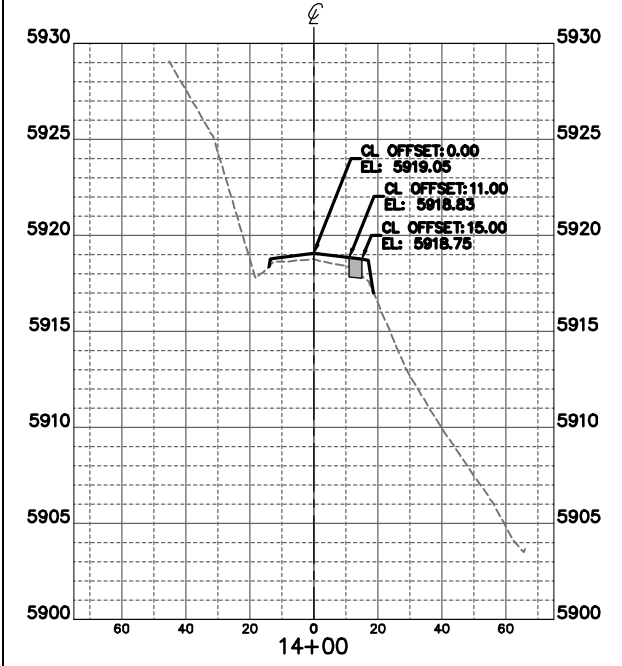
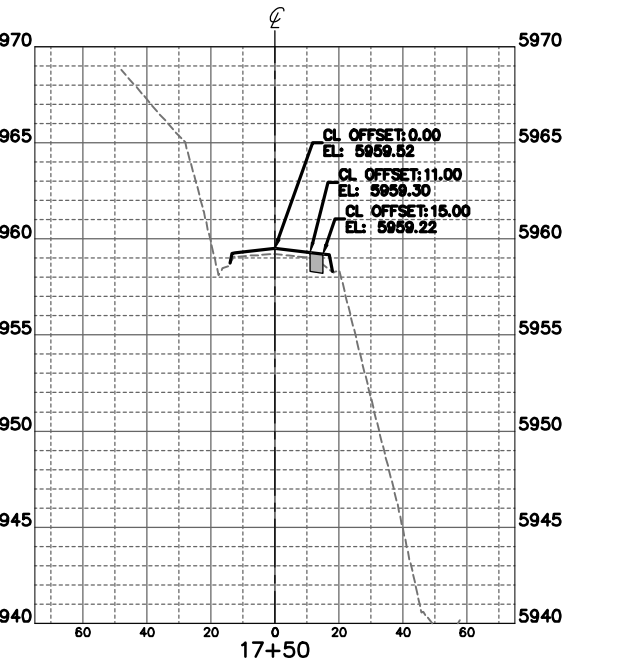
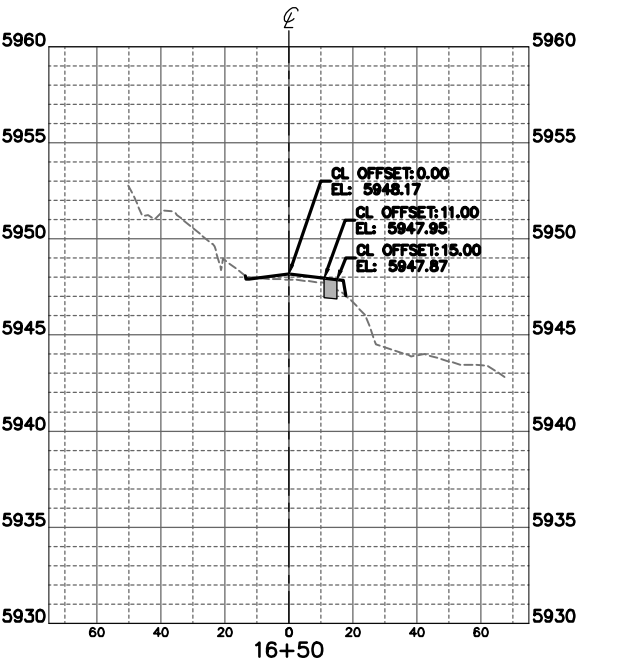
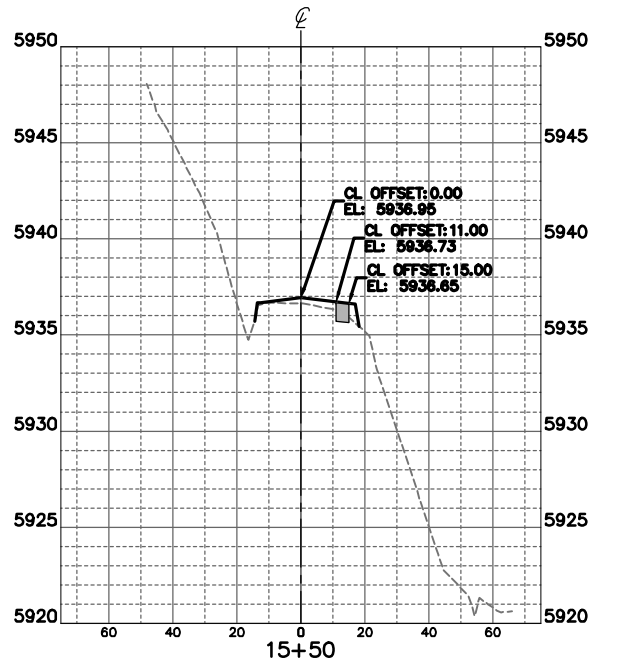
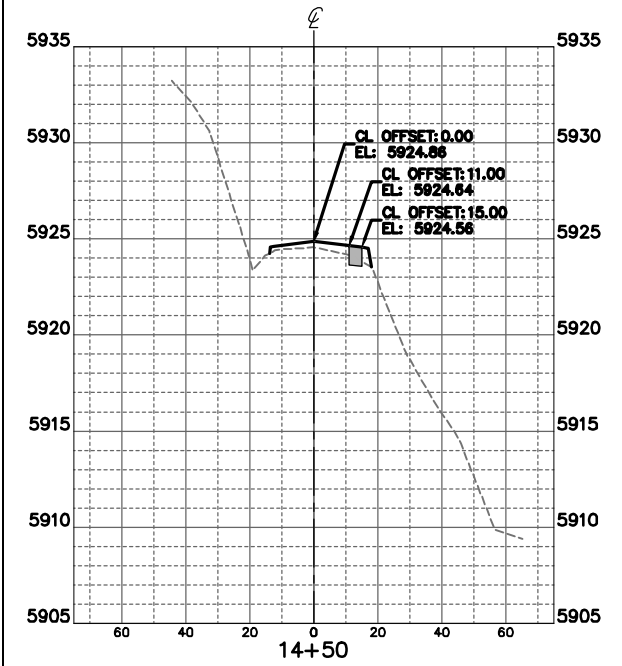
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HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

CROSS SECTIONS

PROJECT: 20940-01BLTR  
DRAWING NO.

**XS02**

SHEET: 35 OF 40



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CONSTRUCTION PLANS FOR:  
**OLDE STAGE ROAD**  
**SHOULDER WIDENING & MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

ISSUE	DATE
90% SET	10/23/18
100% SET	07/17/19
DRAFT BID SET	06/24/21
BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_XRS

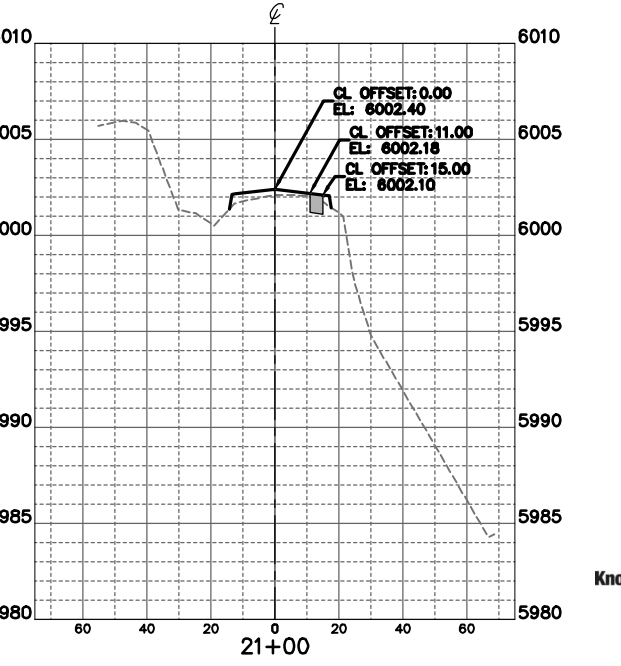
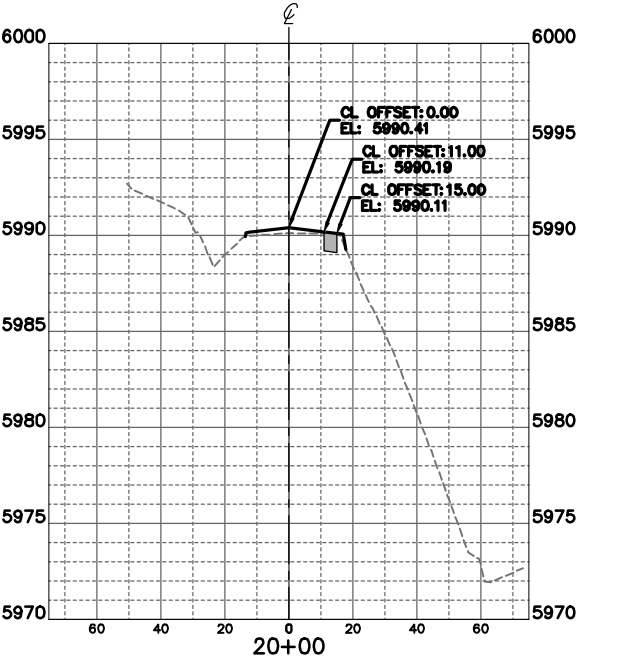
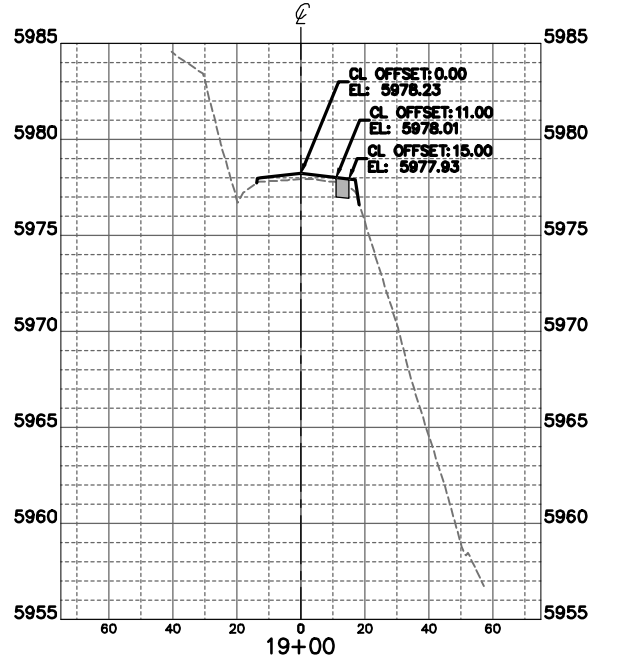
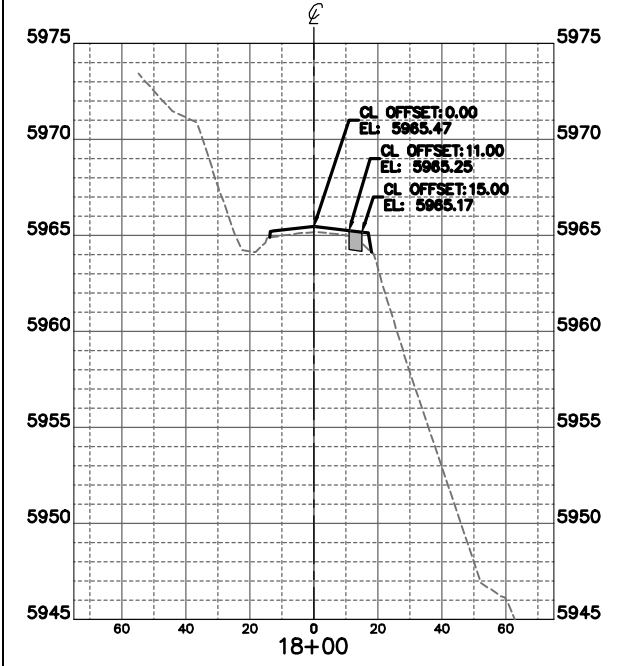
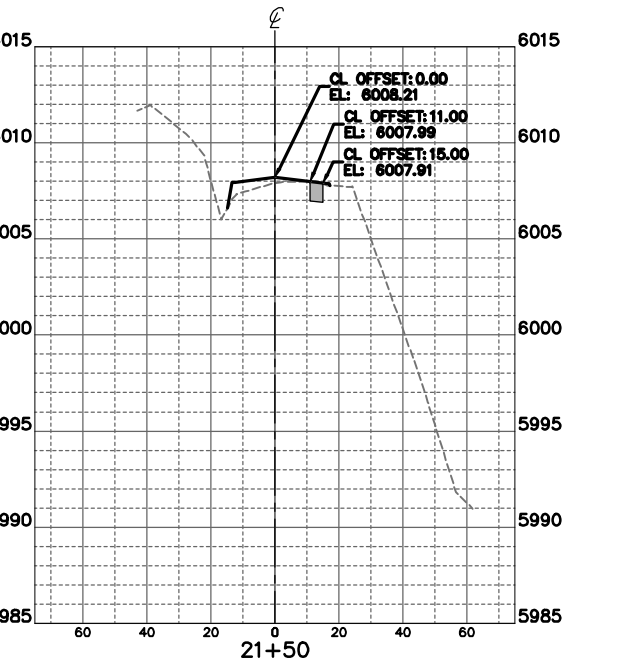
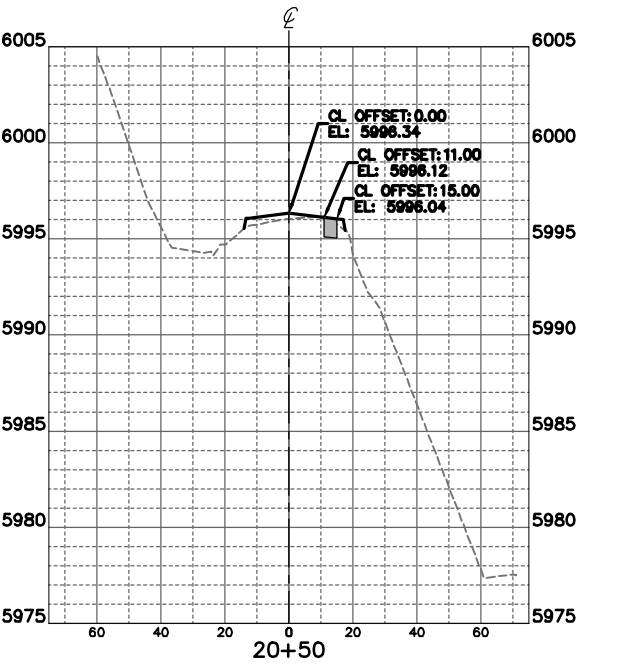
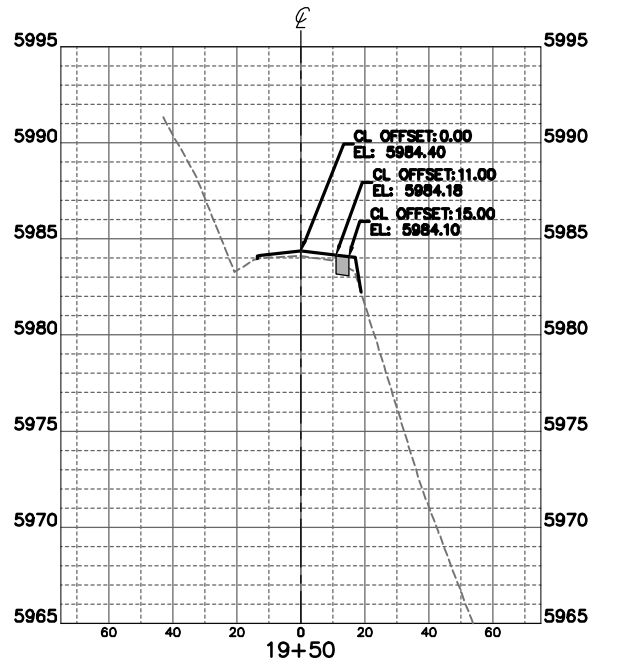
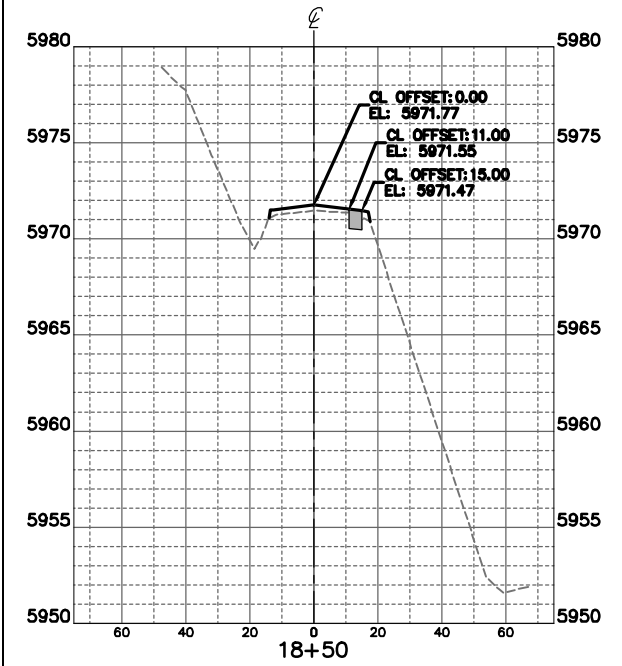
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HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

CROSS SECTIONS

PROJECT: 20940-01BLTR  
DRAWING NO.

**XS03**

SHEET: 36 OF 40



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CONSTRUCTION PLANS FOR:  
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BOULDER COUNTY, COLORADO

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BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_XRS

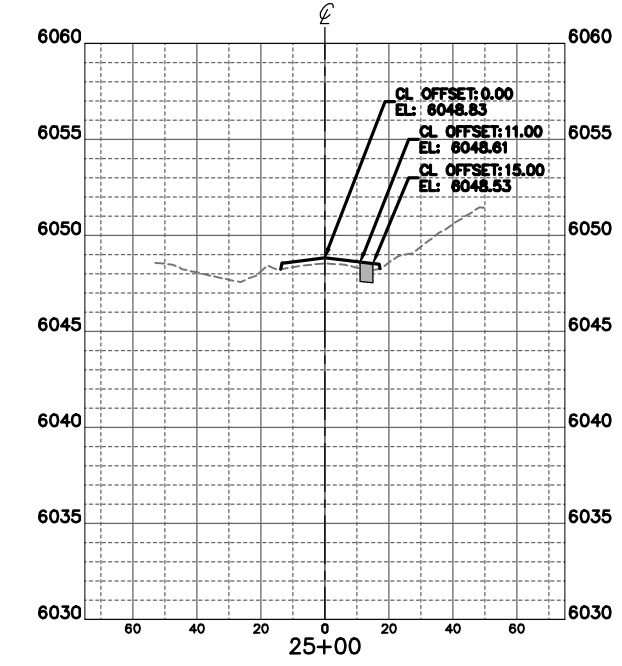
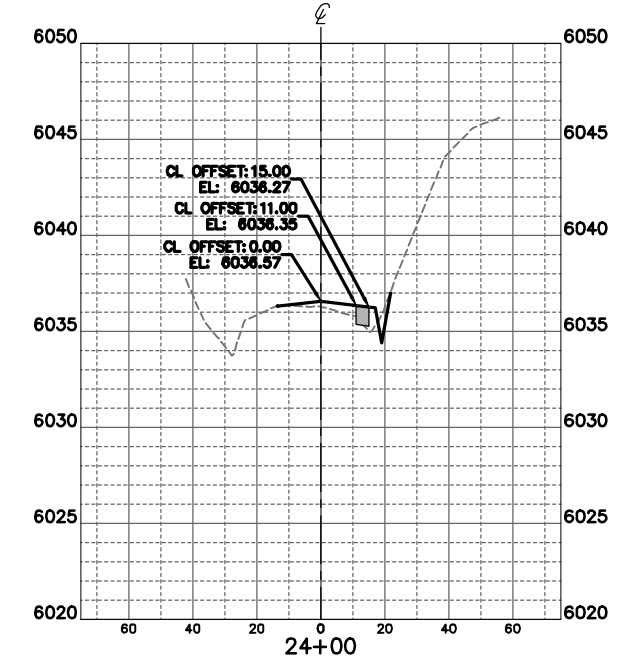
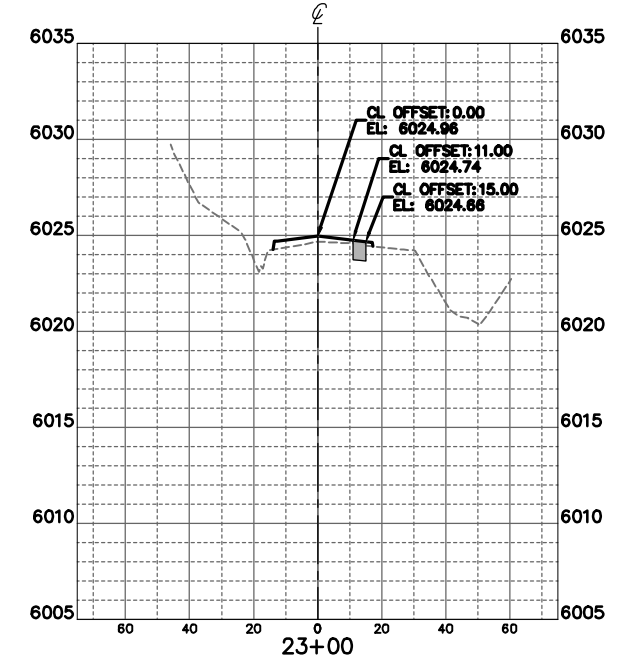
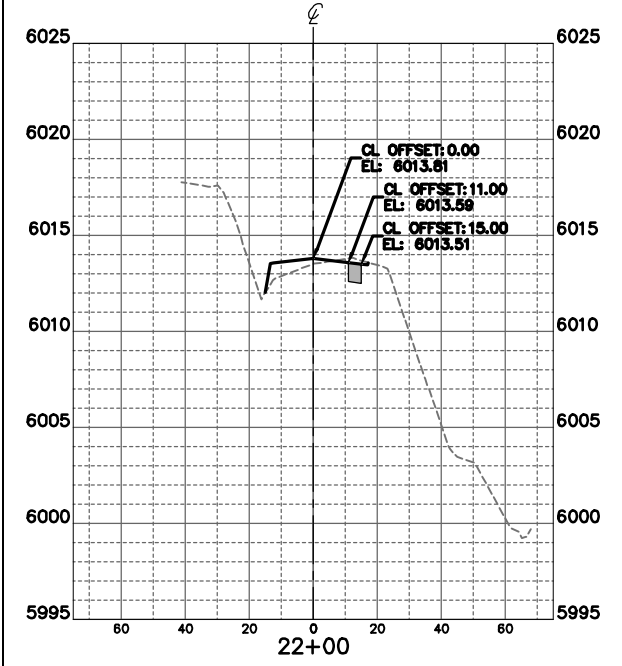
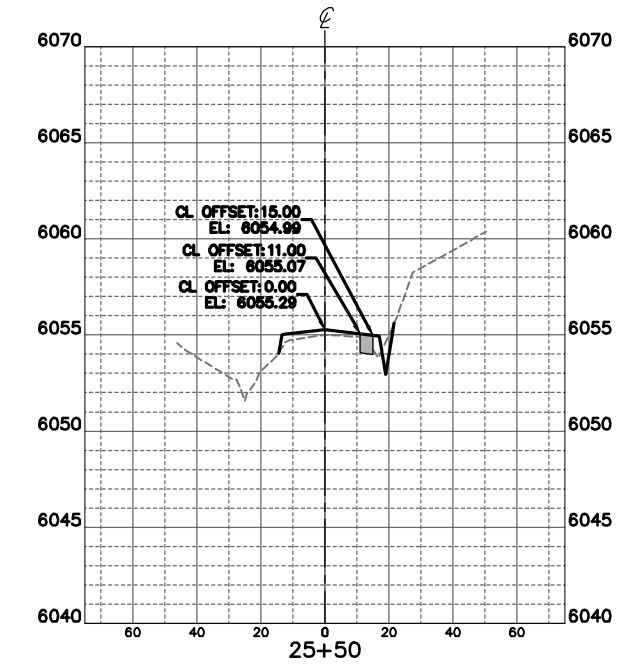
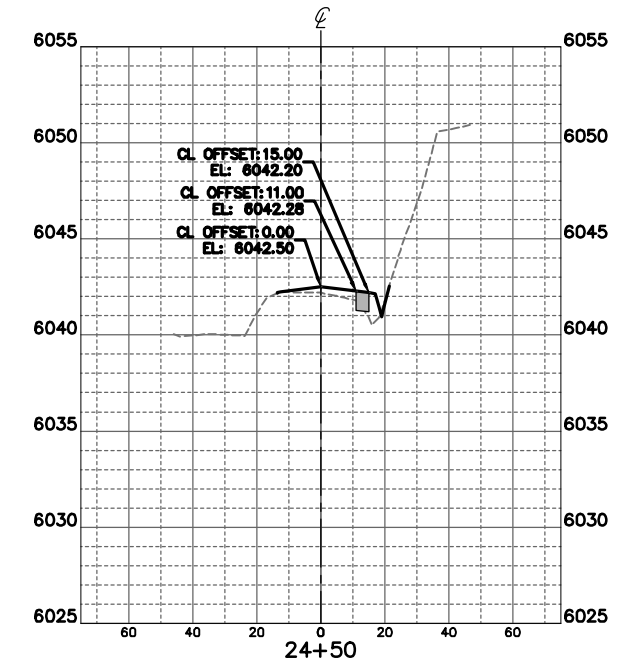
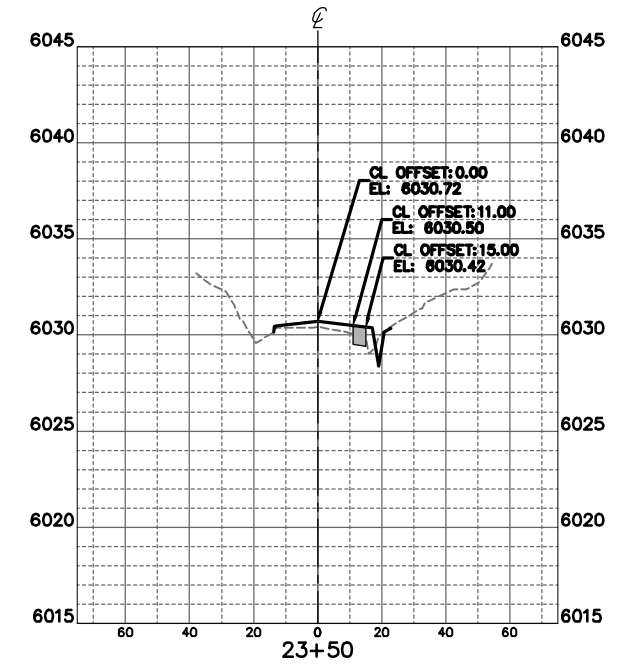
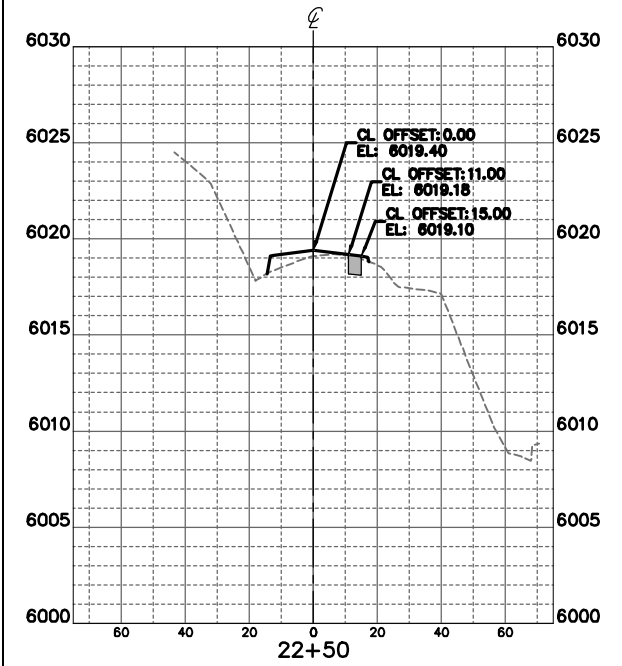
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VERTICAL: SEE PLAN

CROSS SECTIONS

PROJECT: 20940-01BLTR  
DRAWING NO.

**XS04**

SHEET: 37 OF 40



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CONSTRUCTION PLANS FOR:  
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MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

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DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_XRS

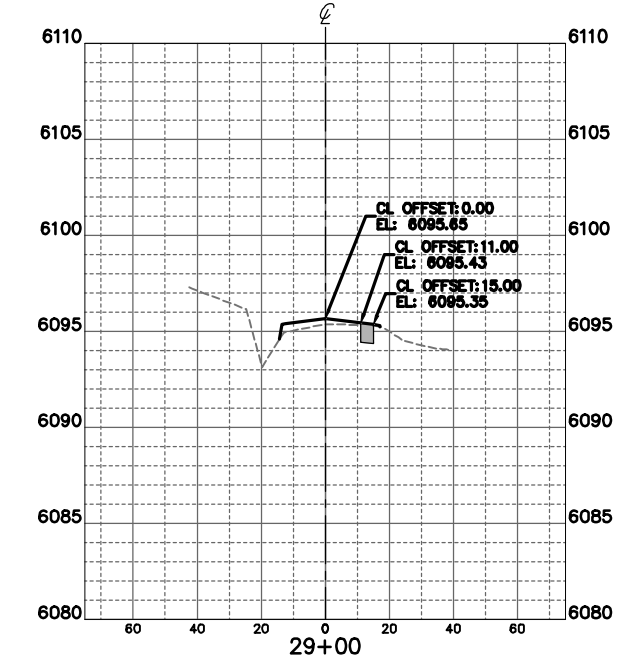
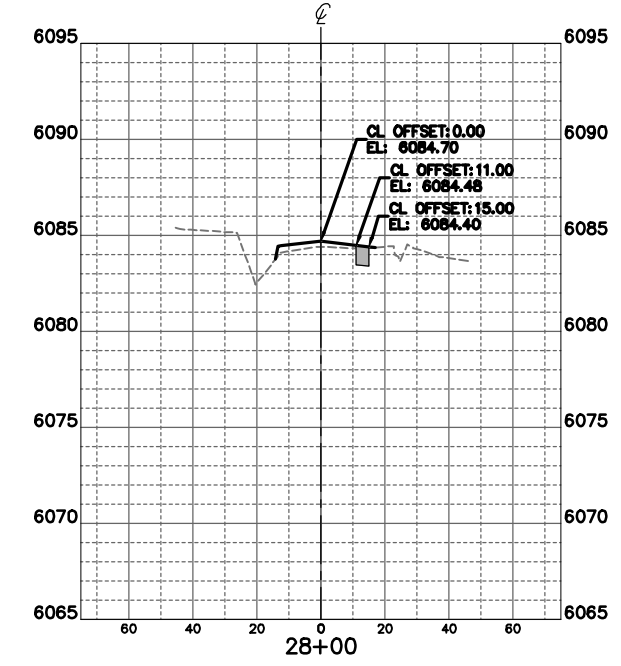
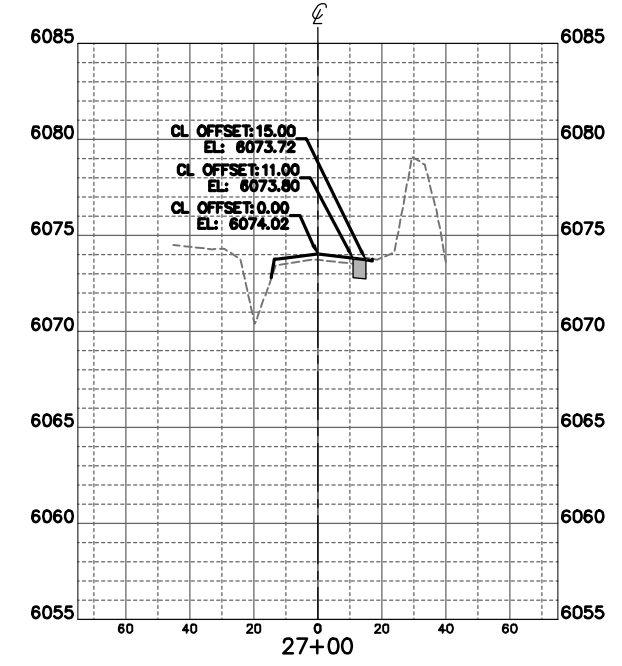
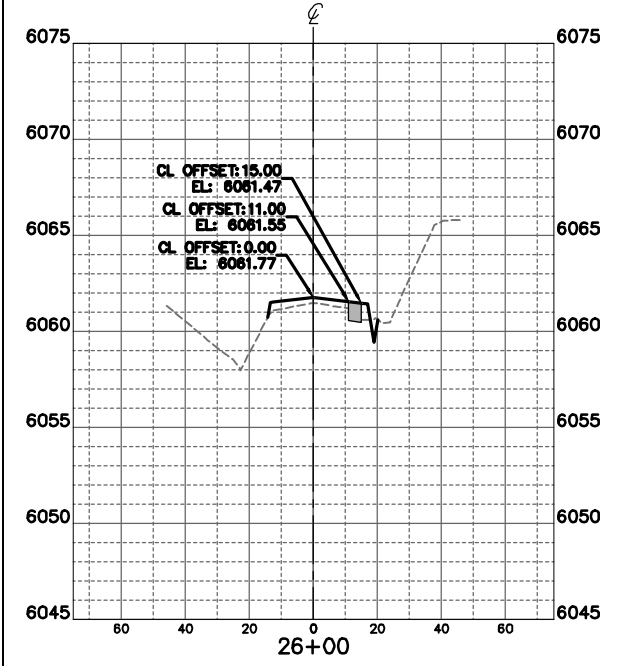
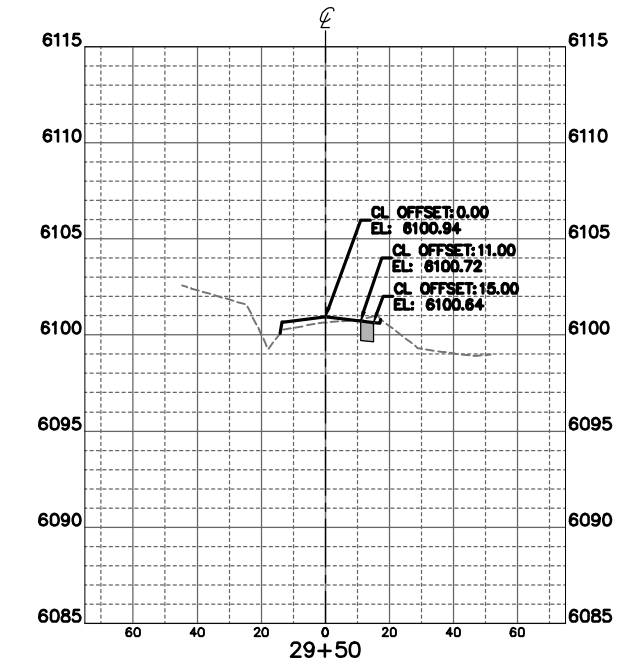
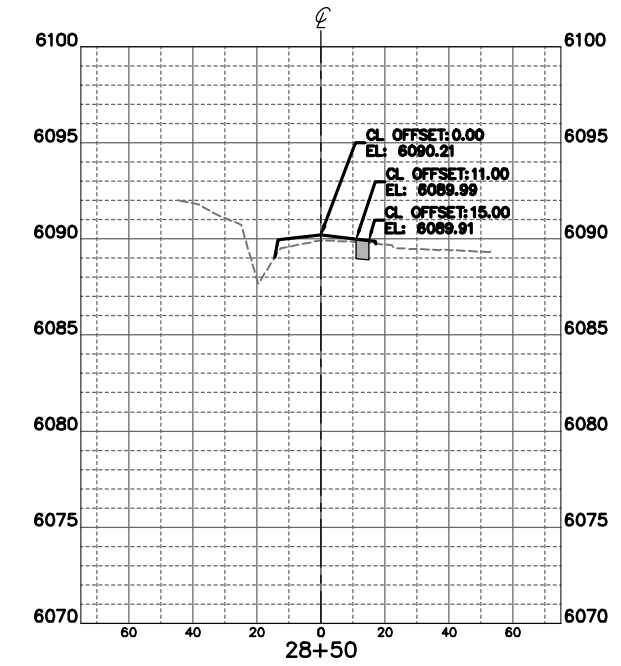
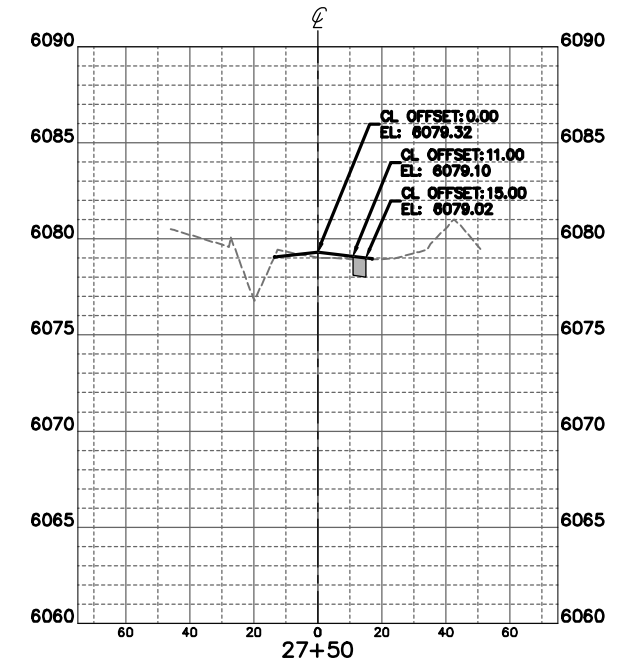
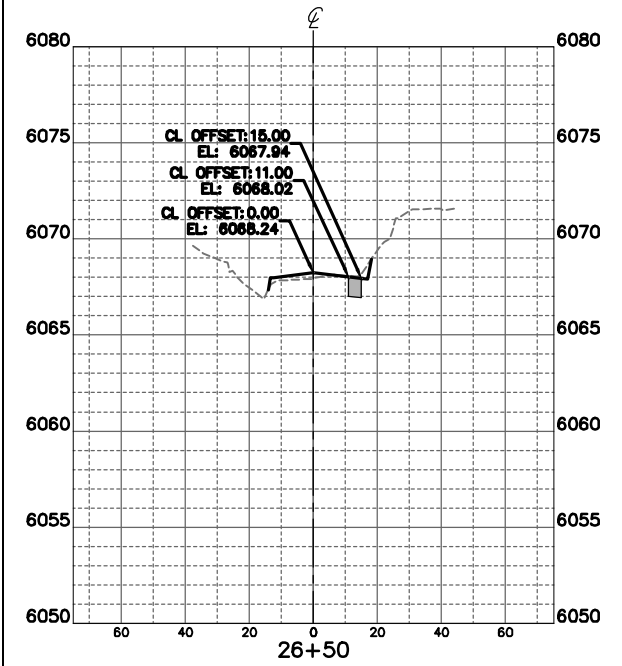
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CROSS  
SECTIONS

PROJECT:20940-01BLTR  
DRAWING NO.

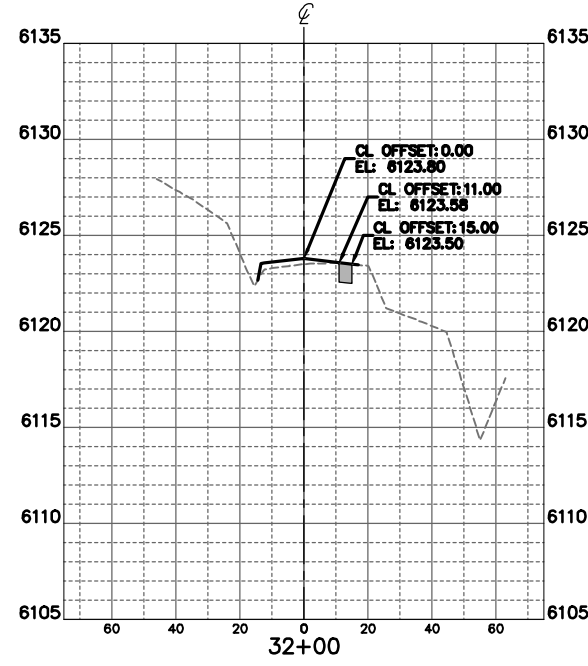
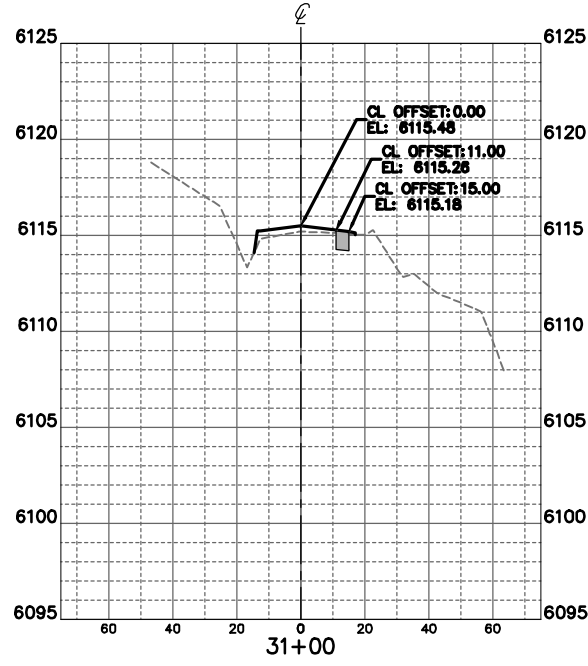
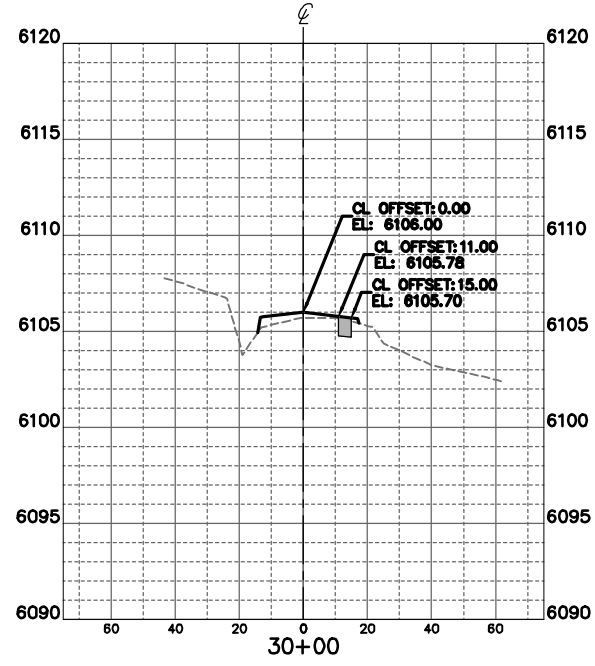
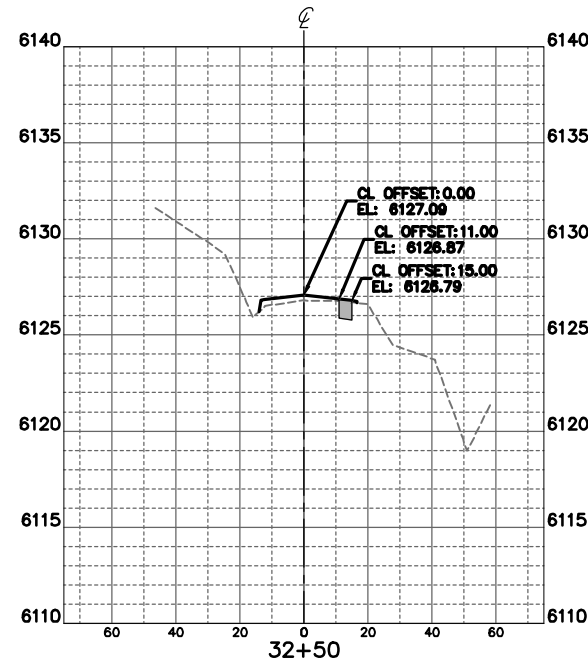
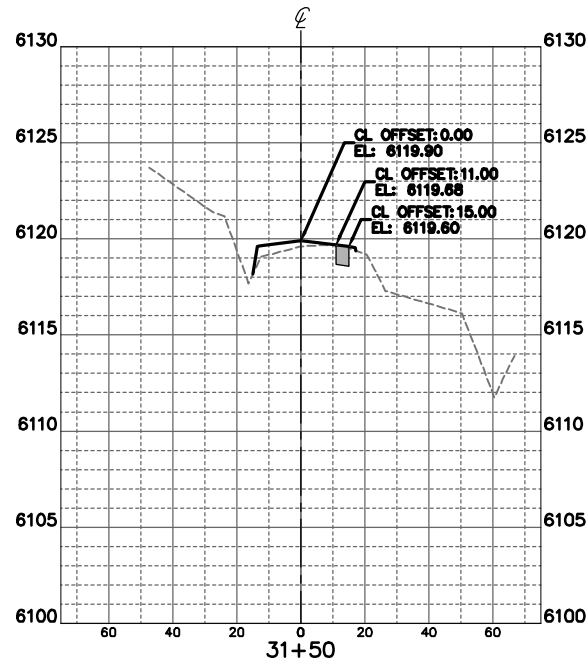
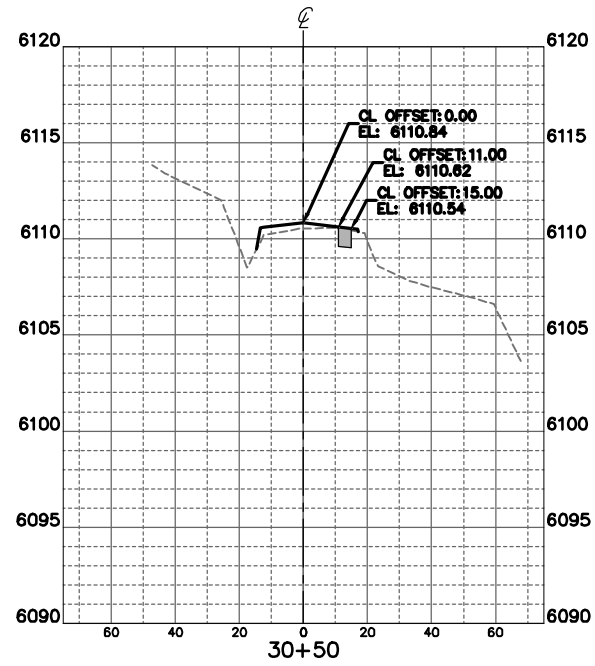
**XS05**

SHEET: 38 OF 40



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CONSTRUCTION PLANS FOR:  
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**MILL/OVERLAY**  
BOULDER COUNTY, COLORADO

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BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_XRS

ORIGINAL DRAWING SCALE:  
HORIZONTAL: SEE PLAN  
VERTICAL: SEE PLAN

CROSS  
SECTIONS

PROJECT: 20940-01BLTR  
DRAWING NO.

**XS06**

SHEET: 39 OF 40

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BID SET	02/15/22

DESIGNED BY:	GSG
DRAWN BY:	KRC
CHECKED BY:	DFS
FILE NAME:	20940-01_TC01

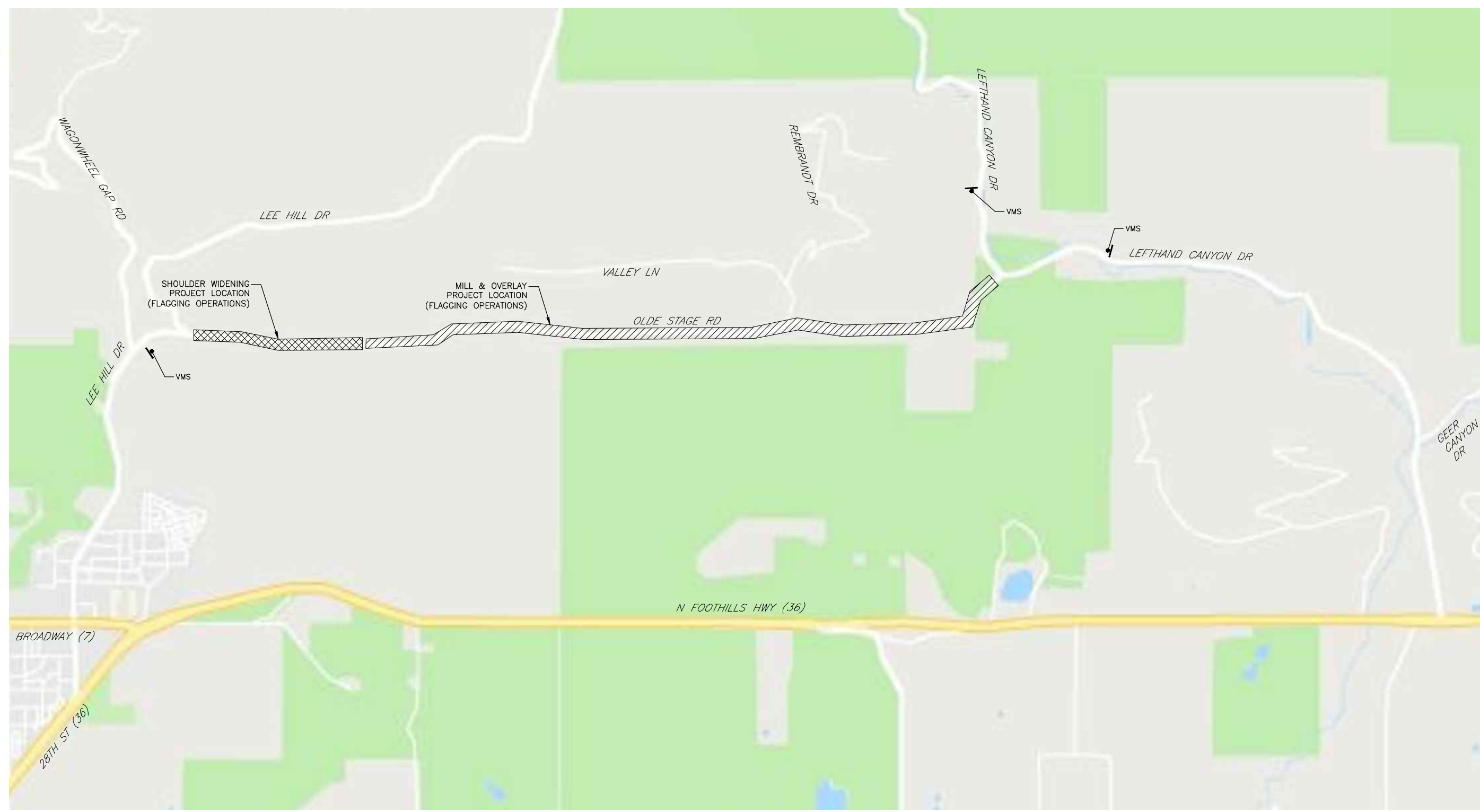
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**SUGGESTED**  
**TRAFFIC CONTROL**  
**PLAN**

PROJECT: 20940-01BLTR  
 DRAWING NO.

**TC01**

SHEET: 40 OF 40



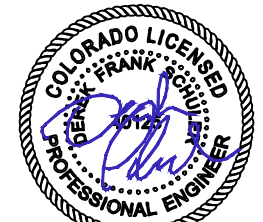
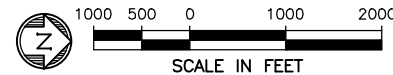
TABULATION OF RECOMMENDED CONSTRUCTION  
 ZONE TRAFFIC CONTROL PAY ITEMS

PAY ITEM	UNIT	QUANTITY
FLAGGING	HOUR	480
TRAFFIC CONTROL INSPECTION	DAY	30
TRAFFIC CONTROL MANAGEMENT	DAY	30
CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH	14
PORTABLE MESSAGE SIGN PANEL*	EACH	3
DRUM CHANNELIZING DEVICE	EACH	20
TRAFFIC CONE	EACH	40
DELINEATOR (TYPE I) (TEMPORARY)	EACH	10

\* PAID FOR AS SEPARATE BID ITEM FROM TRAFFIC CONTROL. CALLED OUT IN PLAN VIEW AS VMS.

GENERAL NOTES:

- FOR INFORMATION ONLY. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN TO BE APPROVED BY BOULDER COUNTY.
- ALL SIGNAGE AND MATERIALS SHALL COMPLY WITH MANUAL ON TRAFFIC CONTROL DEVICES, 2009 EDITION AND CDOT M&S STANDARDS, 2019.
- VMS TO INCLUDE WARNING OF PROJECT AND FLAGGING OPERATIONS.
- TWO WAY TRAFFIC SHOULD BE MAINTAINED AT ALL TIMES. ONE LANE MAY BE TEMPORARILY CLOSED AT A TIME WITH FLAGGING OPERATIONS DURING NONPEAK WORKING HOURS (9AM-3PM).



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