



**ADDENDUM #1
Public Works
Lake Valley/North Rim Resurfacing
BID # 7194-20**

January 8, 2021

The attached addendum supersedes the original Information and Specifications regarding BID # 7194-20 where it adds to, deletes from, clarifies or otherwise modifies. All other conditions and any previous addendums shall remain unchanged.

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

1. Question: The asphalt specified is an N-50. N-50 designs are no longer made in Colorado. The standard is N-75 for residential, would that be an acceptable alternative?

ANSWER: The 50 Gyration Super pave mix is available. The mix design shall be provided by the supplier/producer.

2. Question: Will you be sending out some sort of bid form (i.e. excel spreadsheet) to enter in our pricing for the items?

ANSWER: See attached Bid form in Xcel format. This reflects the revised/modified quantities contained in this addendum.

3. Question: Under what items are the retaining walls paid?

ANSWER: The area that contained the retaining wall has been eliminated from this project. The revised plans are contained in this addendum.

4. Question: Is this a 60 working day contract or 60 calendar day project?

ANSWER: This a 60 working day project

5. Question: What will be the testing requirements/frequencies we are required to provide?

ANSWER: Quality Control:

Contractor Roles and Responsibilities

The Contractor shall be responsible to establish, document, and implement a Quality Control Plan. The Quality Control Plan shall include all procedures necessary for the Contractor to control the quality of its production processes to meet the requirements of the Contract. The Contractor's Quality Control Plan shall include a testing and inspection schedule to control the production processes.

Quality Assurance:

Boulder County will provide a qualified Construction Quality Assurance team to perform Quality Assurance (QA) auditing and acceptance testing. The QA staff shall remain independent from the Contractor's production and Quality Control (QC)... The Boulder County construction QA Team or Consultant's will perform on-site inspection and testing of the construction elements of the work to verify that all work has been constructed in conformance with the Contract requirements.

6. Question: Is the Boulder County Stormwater Permit a no cost fee? If not, what should we expect it to cost?

ANSWER: The BOCO SWQP fees will be waived for county sponsored projects. The state CDPHE permit fees will be paid by the contractor.

7. Question: Is there a specific culvert that needs to be cleaned? I'm not finding this item.

ANSWER: Note 10.C Sheet 31 refers to the cleaning of culverts per the SWMP as needed. This shall be at the direction of the County Project inspector. May include all culverts on the project. The quantity has been updated to 8.

8. Question: The Typical sections shown on plan sheets 21 and 24 show the depth of the reclaimed material to be removed, however, the typical sections shown on plan sheets 20 and 22 do not indicate how much reclaimed material is to be removed. Is this an oversight? Should we assume the material being displaced by the new asphalt on sheets 20 and 22 will be removed similarly to the typical sections shown on pages 21 and 24?

ANSWER: The excess material generated by the FDR process shall be removed. This was quantified as bid item 203-00010 UNCLASSIFIED EXCAVATION.

9. Question: We have done a takeoff on some of the items and we are finding some large discrepancies compared to what you have on the bid form...
Removal of Asphalt Mat planning.....36% difference
FDR 0-8"26% difference
FDR 8-12"12% difference

ANSWER: The quantities have been adjusted and the revised bid form is attached.

10. Question: One of our concrete contractors has submitted the following questions:
Having trouble matching Plans, Bid Quantities and Scope
Curb & Gutter is close
8' Type 2 Gutter Bid Q=60 lf Finding 78 lf
Sidewalk Q= 225 sy Finding 314 sy
No Item for 6' Type 2 Gutter Finding 26 lf
No Item for Spandrels/Aprons Finding 28 sy: **Included in the Type 2 driveway detail pay item quantity**
No Item for ADA Ramp Finding 1 ea: **See revised plans and bid tab.**
No Item for Concrete Drive approach Finding 65 lf (Width ? No Detail) : **Match existing driveway**
No Bid Item for Demo/Remove Concrete

ANSWER: Quantities and bid tab have been updated to reflect the revised drawings and correct and discrepancies.

11. Question: Can the traveling public be allowed to travel on the pulverized roadway surface during construction?

ANSWER: Yes, if properly compacted

12. Question: Erosion Control items : On plan sheet 4, general notes, there is more erosion control items listed than bid items for the project. For an example, silt fence and vehicle control tracking pads. Can you list what items are incidental to the project that is not included as an erosion control bid item?

ANSWER: Bid what is on the bid tab.

13. Question: Clearing n Grubbing bid item. The special provision section 201 discusses (1) foot beyond the edge of asphalt and any tree trimming within 2 ' of the work area.

On plan sheet 5 (C.), it is referring to wildlife bird nesting and birds of

prey within a specified date range. This type of CDOT activity is a separate bid item. Is it Boulder County's intent to include bird nest activities within clearing and grubbing item?

ANSWER: A wildlife biologist item has been added to accommodate this if needed.

14. Question: On plan sheet 5 (P7), it states the nature of project incentives. Can you describe what these are?

ANSWER: There are no incentives on this project for smoothness.

The attached plan addendum contains the following:

- **Sheet # 17 has been replaced with sheet A-11**
- **Sheet # 18 has been replaced with Sheet A-4**
- **Sheet 25 has been replaced with A-6**
- **Sheet 37 has been replaced with A-12**
- **The general note sheets have been updated – Replace with the attached sheets 3,4 and 5.**
- **The remainder of the sheets contain supplement information for the sheets replaced.**
- **New sheet added for two cross walks along Golf Club drive. This included the addition of the appropriate signage and striping.**

The revised bid tab updates the above changes, corrections and additions and is attached to this addendum.

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 January 15, 2021.**

Please note that email responses are limited to a maximum of 50MB capacity. NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. 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; identified as **BID # 7194-20** 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**

January 8, 2021

Dear Vendor:

This is an acknowledgment of receipt of Addendum #1 for BID #7194-20, Lake Valley/North Rim Resurfacing.

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 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.**

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 _____

End of Document

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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 HIS 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 ASBUILT 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.
- 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/).

EARTHWORK NOTES

- E1. WATER SHALL BE USED AS A DUST PALLIATIVE, WHERE REQUIRED, AND APPROVED BY THE ENGINEER. LOCATIONS SHALL BE AS ORDERED AND WILL NOT BE PAID FOR SEPARATELY. DEPTH OF MOISTURE - DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
 - FULL DEPTH OF EMBANKMENTS
 - BASES OF CUTS AND FILLS EIGHT (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). PROOFROLLING OF ALL SUBGRADE WILL BE REQUIRED PRIOR TO PAVING AND SHALL BE INCLUDED IN THE COST OF THE WORK.

SIGNING, STRIPING AND 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.
- 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.

POSTS:

SIGN POSTS SHALL BE 2" X 2" X 10' (14 GAUGE) GALVANIZED PERFORATED SQUARE STEEL TUBING.

SIGN POST BASES SHALL BE 2 1/4" X 2 1/4" (12 GAUGE, 3' IN LENGTH) GALVANIZED PERFORATED SQUARE STEEL TUBING.

BASES SHALL BE INCLUDED IN THE COST FOR SIGN POSTS. TOP OF BASES SHALL BE 3" ± ABOVE FINISHED GRADE. THE SIGN POST SHALL BE INSTALLED 4" IN TO THE BASE AND BOLTED BOTH WAYS.

SIGN POST LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND ROAD MAINTENANCE SIGN SHOP REPRESENTATIVE PRIOR TO INSTALLATION.

POST LOCATIONS IN CONCRETE MEDIAN OR ISLANDS SHALL HAVE 6" PVC INSTALLED PRIOR TO POURING CONCRETE.

SIGNS:

THICKNESS OF ALL SIGN PANELS SHALL BE .100"

PAVEMENT MARKINGS:

FINAL PAVEMENT STRIPING SHALL BE EPOXY PER CDOT STANDARD SPECIFICATIONS.

ALL STOP LINES, CROSSWALKS AND PAVEMENT MARKING SYMBOLS SHALL BE WHITE, PREFORMED THERMOPLASTIC, "PREMARK" OR EQUIVALENT.

STOP LINES SHALL BE 2' WIDE; CROSSWALKS SHALL BE 2' X 9', UNLESS OTHERWISE NOTED.

PAVEMENT MARKING ARROWS SHALL BE ELONGATED.

BICYCLE DETECTOR PAVEMENT MARKINGS SHALL BE PER MUTCD FIG. 9C-7 B WITH HELMETED BICYCLE SYMBOL.

PAVEMENT MARKINGS FOR BIKE LANES SHALL BE PER MUTCD FIG. 9C-3 B WITH HELMETED BICYCLE SYMBOL.

PREFORMED THERMOPLASTIC INSTALLATION ON CONCRETE SHALL HAVE THE CONCRETE CURE REMOVED PRIOR TO INSTALLATION OR A BONDING AGENT APPLIED TO THE CONCRETE BEFORE INSTALLATION. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

EROSION AND STORMWATER NOTES

- ER1. A BOULDER COUNTY STORMWATER QUALITY PERMIT (SWQP) IS REQUIRED FOR THIS PROJECT. BECAUSE IT:
 - IS WITHIN 100 HORIZONTAL FEET OF A PERMANENT PERENNIAL STREAM OR A MAIN IRRIGATION DITCH. FOR MORE INFORMATION ON QUALIFYING WATERWAYS AND PROJECTS, REFER TO THE GUIDANCE FOR SMALL CONSTRUCTION PROJECTS AVAILABLE ON THE BOULDER COUNTY PUBLIC WORKS DEPARTMENT WEBSITE.

THE BOULDER COUNTY STORMWATER QUALITY PERMIT CAN BE ACQUIRED VIA <https://www.bouldercounty.org/transportation/permits/stormwater-quality-permit/>

ADDENDUM-1	<p style="font-size: 8px;">CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 5%;">DATE</th> <th style="width: 90%;">REVISION DESCRIPTION:</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.	DATE	REVISION DESCRIPTION:										<p style="font-weight: bold; font-size: 10px;">BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>DESIGNED: DD</td> <td>CAD/C3D: RL</td> <td>CHECKED: DD</td> <td>DATE: 01/07/2021</td> </tr> </table>	DESIGNED: DD	CAD/C3D: RL	CHECKED: DD	DATE: 01/07/2021	<p style="font-size: 8px;">LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING</p> <p style="text-align: center; font-weight: bold; font-size: 10px;">GENERAL NOTES (1)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td style="width: 50%;">PROJECT NO: RS-00-021</td> <td style="width: 50%;">SHEET NO: 3</td> </tr> </table>	PROJECT NO: RS-00-021	SHEET NO: 3
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- ER3. 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.
- ER4. 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 AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING. EROSION CONTROL MEASURES SHALL BE PLACED CONTINUALLY AS DRAINAGE FEATURES ARE BEING CONSTRUCTED.
- ER5. 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.
- ER6. SEE STORMWATER MANAGEMENT PLAN.
- ER7. CONTRACTOR/PERMITTEE SHALL PERIODICALLY INSPECT ALL INSTALLED CONTROL MEASURES, PROVIDE MAINTENANCE, AND MAKE REPAIRS AS NECESSARY TO PREVENT THEIR FAILURE.
- ER8. 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.
- ER9. VEHICLE TRACKING CONTROLS SHALL BE USED AT ALL VEHICLE AND EQUIPMENT ACCESS POINTS TO THE SITE TO PREVENT SEDIMENT EXITING THE PROJECT SITE ONTO PAVED PUBLIC ROADS. ACCESS SHALL BE PROVIDED ONLY AT LOCATIONS APPROVED BY THE ENGINEER. VEHICLE TRACKING CONTROL LOCATIONS SHALL BE RECORDED ON THE SWMP SITE MAP.
- ER10. ALL INLETS AND CULVERTS SHALL BE PROTECTED DURING ONSITE CONSTRUCTION ACTIVITIES. INLET PROTECTION LOCATIONS SHALL BE RECORDED ON THE SWMP SITE MAP.
- ER11. 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.
- ER12. THE CONTRACTOR/PERMITTEE 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/PERMITTEE MUST NOTIFY THE OWNER'S REPRESENTATIVE OR ENGINEER IMMEDIATELY.

WASTE MANAGEMENT

- WM1. THE CONTRACTOR/PERMITTEE SHALL NOT BURN, BURY, OR OTHERWISE DISCHARGE CONSTRUCTION OR DEMOLITION WASTE ON THE SITE UNLESS SPECIFIED OTHERWISE.
- WM2. THE CONTRACTOR/PERMITTEE SHALL PROVIDE A SANITARY FACILITY AND ASSOCIATED MAINTENANCE SCHEDULE FOR THE CONSTRUCTION AREA SUFFICIENT TO ACCOMMODATE THE CONSTRUCTION CREW AND ALL OTHER AUTHORIZED PERSONS TO BE ONSITE DURING CONSTRUCTION ACTIVITIES TO BE PAID FOR AS SANITARY FACILITY (EACH).

HAZARDOUS MATERIALS

- HM1. THE CONTRACTOR/PERMITTEE SHALL TRANSPORT, USE, AND STORE HAZARDOUS MATERIALS IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS. SPILLED HAZARDOUS MATERIALS, INCLUDING HAZARDOUS LIQUID WASTES, SHALL BE REMOVED FROM THE SITE AND THE PROPERTY RESTORED TO ITS PRE-SPILL STATE IN ACCORDANCE WITH REGULATORY REQUIREMENTS.
- HM2. THE CONTRACTOR/PERMITTEE SHALL IMMEDIATELY REPORT SPILLS TO THE PROPER REGULATORY AUTHORITY AND SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- HM3. HANDLING OF CONSTRUCTION FUELS AND LUBRICANTS:
 - A. THE CONTRACTOR/PERMITTEE SHALL EMPLOY PERSONS QUALIFIED TO HANDLE CONSTRUCTION EQUIPMENT FUELS AND LUBRICANTS.
 - B. THE CONTRACTOR/PERMITTEE SHALL REFUEL AND SERVICE EQUIPMENT AWAY FROM FLOODPLAINS OF RIVERS, STREAMS AND OTHER BODIES OF WATER. THE CONTRACTOR/PERMITTEE SHALL ENSURE EQUIPMENT THAT ENTERS THE WATER IS FREE FROM EXTERNAL GREASE, OIL, AND MUD.
 - C. THE CONTRACTOR/PERMITTEE SHALL PREVENT HANDLING AND FUELING OPERATIONS FROM CONTAMINATING THE GROUND, SURFACE WATER, AND GROUND WATER. THE CONTRACTOR/PERMITTEE SHALL USE CONTAINMENT BERMS AND AN IMPERMEABLE BASE COURSE OR OTHER SYSTEM TO CONTAIN SPILLED FUEL.

GENERAL CARE OF WATER

- WC1. CARE OF WATER SHALL INCLUDE THE DESIGN OF ALL TEMPORARY CARE OF WATER PROVISIONS INCLUDING COFFER DAMS, SUMPS, PUMPING SYSTEMS, PIPELINES, CHANNELS, FLUMES, DRAINS, AND OTHER PROTECTIVE AND DEWATERING WORKS TO ALLOW FOR WORK TO BE PERFORMED UNDER DRY CONDITIONS.
- WC2. NO CONSTRUCTION EQUIPMENT SHALL BE OPERATED BELOW THE EXISTING WATER SURFACE UNLESS SPECIFICALLY AUTHORIZED BY THE STORMWATER QUALITY PERMIT ISSUED BY BOULDER COUNTY, AND ANY OTHER APPLICABLE LOCAL, STATE OR FEDERAL LICENSE OR PERMIT.
- WC3. THE CONTRACTOR/PERMITTEE IS RESPONSIBLE FOR ALL CARE OF WATER INCLUDING BUT NOT LIMITED TO DESIGNING, SUPPLYING, CONSTRUCTING, OPERATING, AND REMOVING ALL CARE OF WATER PROVISION INCLUDING COFFER DAMS AND SEDIMENT REMOVAL SYSTEMS; DESIGNING, SUPPLYING, INSTALLING, MAINTAINING, AND REMOVING PROTECTIVE WORKS FOR WINTER OPERATIONS OF CARE OF WATER SYSTEMS.

- WC4. THE CONTRACTOR/PERMITTEE SHALL COMPLY WITH ALL USACE 404 PERMIT REQUIREMENTS INCLUDING ANY SPECIAL CARE REQUIREMENTS ISSUED FOR THIS PROJECT.
- WC5. WHEN REQUIRED THE CONTRACTOR/PERMITTEE SHALL DESIGN TEMPORARY STREAM DIVERSIONS TO FACILITATE UPSTREAM FISH PASSAGE. INSTREAM VELOCITIES SHALL BE LIMITED TO 7 FT/SEC WHEN THIS PROVISION IS REQUIRED.
- WC6. CARE OF WATER SHALL INCLUDE PROVISIONS FOR HANDLING GROUNDWATER, RAINSTORM RUNOFF, SNOW, SNOWMELT, AND ICE THAT MAY ENTER THE WORK AREA.
- WC7. PROTECTIVE WORKS SHALL BE DESIGNED BY THE CONTRACTOR/PERMITTEE AS NECESSARY TO INCLUDE ENCLOSURES, INSULATION, AND HEATING SYSTEMS TO ENSURE THAT DEWATERING SYSTEMS OPERATE CONTINUOUSLY AND DO NOT BECOME FROZEN DURING COLD WEATHER.
- WC8. THE CONTRACTOR/PERMITTEE SHALL PROVIDE AND MAINTAIN SEDIMENT PONDS OR OTHER MEANS, REMOVE SEDIMENT FROM WATERS COLLECTED WITHIN ACTIVE CONSTRUCTION AREAS PRIOR TO ALLOWING IT TO ENTER OR RETURN INTO THE WATERCOURSE. CONTRACTOR/PERMITTEE SHALL DISPOSE OF SEDIMENTS IN A SUITABLE OFF- SITE WASTE DISPOSAL FACILITY.
- WC9. THE CONTRACTOR/PERMITTEE SHALL MONITOR WATER TURBIDITY DURING CONSTRUCTION ACTIVITIES AND SHALL SHUT DOWN WORKS AT TIMES OF EXCESS TURBIDITY IN ORDER TO ALLOW THE WATER TO CLEAR PRIOR TO RE- COMMENCEMENT OF IN-STREAM WORK.
- WC10. TURBIDITY IS EXPECTED DURING PLACEMENT AND REMOVAL OF WATER CONTROL. IF WATERS BECOME NOTICEABLY TURBID, CONTRACTOR/PERMITTEES SHOULD PROMPTLY HALT OPERATIONS TO ALLOW WATERS TO CLEAR PRIOR TO RESUMING OPERATIONS. FURTHERMORE, SHUTDOWNS FOR SILTY OR TURBID WATER MAY BE SPECIFIED BY THE ENGINEER OR THE OWNER'S REPRESENTATIVE, AT THEIR DISCRETION.
- WC11. IN THE EVENT OF UNSCHEDULED CONSTRUCTION ACTIVITY THAT RESULTS IN A VISUALLY CONSPICUOUS PLUME OF SEDIMENT, CONTRACTOR/PERMITTEE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND UNDERTAKE MITIGATION ACTIONS NECESSARY TO COMPLY WITH THE SPECIFIED CLEAN WATER CRITERIA.

UTILITY NOTES

- U1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/ OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, ARE 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.
- U2. THE CONTRACTOR SHALL CALL FOR UTILITY LOCATIONS A MINIMUM OF THREE (3) WORKING DAYS (PREFERRED SEVEN (7) WORKING DAYS) PRIOR TO ANY EXCAVATION AT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 OR 811. ALSO, NOTIFY INDIVIDUAL UTILITIES 48-HOURS PRIOR TO ANY EXCAVATION.
- U3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING UTILITIES, INCLUDING ALL ACTIVE IRRIGATION FACILITIES DURING CONSTRUCTION AND SHALL HOLD THE COUNTY HARMLESS FOR DAMAGE ARISING FROM FAILURE TO ADEQUATELY PROTECT UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS REQUIRED TO PROTECT EXISTING UTILITIES AND/OR TO WORK AROUND SUCH UTILITIES. THIS INCLUDES, BUT IT NOT LIMITED TO, SUPPORTING AND SHORING OF EXISTING UTILITIES.
- U4. ALL UNDERGROUND UTILITY CONSTRUCTION SHALL BE COMPLETED AND ACCEPTED PRIOR TO PLACING PAVEMENT.
- U5. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH BOULDER COUNTY AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS, EXTENSIONS AND REARRANGEMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES, IN ADVANCE, AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE AS WELL AS THE UTILITY COMPANIES.
- U6. IF A CONFLICT EXISTS BETWEEN UTILITIES AND PROPOSED IMPROVEMENTS AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN. DESIGN MODIFICATION(S) MUST BE APPROVED BY BOULDER COUNTY PRIOR TO BEGINNING CONSTRUCTION.
- U7. THE FOLLOWING IS A LIST OF KNOWN UTILITIES WITH SERVICE WITHIN THE PROJECT AREA AND THE CONTACT INDIVIDUALS:
 - 1. Century Link: Chris Janoski 303-552-8545/ Dan Lewis 303-441-7233
 - 2. Left Hand Water District: Steve Buckbee 303-530-4200
 - 3. Xcel Energy: Coral Breidenach 303-245-2281/ Keisha Hirsch 303-245-2280
 - 4. Fairways Metro District: Nick Moncada 303-987-0835
 - 5. Comcast: Kevin Young 720-281-8666

ADDENDUM-1	<p style="font-size: 8px;">CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="font-size: 8px;">NO.</th> <th style="font-size: 8px;">DATE</th> <th style="font-size: 8px;">REVISION DESCRIPTION:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION:							<p style="font-weight: bold; font-size: 10px;">BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>DESIGNED: DD</td> <td>CAD/C3D: RL</td> <td>CHECKED: DD</td> <td>DATE: 01/07/2021</td> </tr> </table>	DESIGNED: DD	CAD/C3D: RL	CHECKED: DD	DATE: 01/07/2021	<p style="font-size: 8px;">LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING</p> <p style="font-weight: bold; font-size: 10px;">GENERAL NOTES (2)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>PROJECT NO: RS-00-021</td> <td>SHEET NO: 4</td> </tr> </table>	PROJECT NO: RS-00-021	SHEET NO: 4
NO.	DATE	REVISION DESCRIPTION:																	
DESIGNED: DD	CAD/C3D: RL	CHECKED: DD	DATE: 01/07/2021																
PROJECT NO: RS-00-021	SHEET NO: 4																		

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ENVIRONMENTAL NOTES:

- EN1. 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.
- A. 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 A BIOLOGIST BEFORE ANY TREE REMOVAL OR TRIMMING ACTIVITIES BEGIN.
- B. BRIDGE/CULVERT WORK: BRIDGE OR CULVERT WORK THAT MAY DISTURB NESTING BIRDS 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. IF WORK ACTIVITIES ARE PLANNED BETWEEN THESE DATES, NESTS SHALL BE REMOVED BEFORE NESTING BEGINS AND APPROPRIATE MEASURES TAKEN TO ASSURE NO NEW NESTS ARE CONSTRUCTED. FAILURE TO REMOVE AND KEEP NESTS FROM BECOMING ESTABLISHED MAY POSTPONE PROJECT CONSTRUCTION.
- C. 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. IN COLORADO, MOST NESTING AND REARING ACTIVITIES OCCUR 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.
- D. BIRDS OF PREY: IF CONSTRUCTION OCCURS BETWEEN FEBRUARY 15 AND AUGUST 31, A PRE-CONSTRUCTION SURVEY FOR NESTING RAPTORS MUST BE COMPLETED WITHIN A HALF-MILE BUFFER OF THE PROJECT LIMITS. IF ANY NESTING RAPTORS OCCUR WITHIN THIS BUFFER AREA, FOLLOW THE COLORADO PARKS AND WILDLIFE'S "RECOMMENDED BUFFER ZONES AND SEASONAL RESTRICTIONS FOR COLORADO RAPTORS" GUIDELINES ([HTTPS://CPW.STATE.CO.US/DOCUMENTS/WILDLIFESPECIES/LIVINGWITHWILDLIFE/RAPTORBUFFERGUIDELINES2008.PDF](https://cpw.state.co.us/documents/wildlifpecies/livingwithwildlife/raptorbufferguidelines2008.pdf)).
- EN2. NOXIOUS WEEDS: NOXIOUS WEEDS MAY PERSIST ON OR ADJACENT TO THE PROJECT LOCATION. NOXIOUS WEEDS ON THE STATE A & B WEEDS LIST MUST BE CONTROLLED IN ACCORDANCE WITH STATE REQUIREMENTS. THE STATE WEED LIST IS AVAILABLE HERE: [HTTPS://WWW.COLORADO.GOV/PACIFIC/AGCONSERVATION/NOXIOUS-WEED-SPECIES](https://www.colorado.gov/pacific/agconservation/noxious-weed-species).
- EN3. WASTE MANAGEMENT: 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. THE 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 SHALL REMAIN THE PROPERTY OF THE CONTRACTOR. THE COST OF CONTROL AND CLEANUP OF POL LEAKS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE WORK.
- EN4. 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 WETLANDS OR WATERS OF THE U.S.
- EN5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL GENERATED ONSITE, NO STOCKPILING WILL BE ALLOWED.
- EN6. INVASIVE AQUATIC SPECIES: THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) AND THE COLORADO PARKS & WILDLIFE HAVE THE FOLLOWING CONDITIONS FOR WORK IN STREAMS. IF HEAVY EQUIPMENT IS USED THAT WAS PREVIOUSLY WORKING IN ANOTHER STREAM, RIVER, LAKE, POND OR WETLAND WITHIN 10 DAYS OF WORKING ON THIS PROJECT, ONE FO THE FOLLOWING DISINFECTION PRACTICES IS NECESSARY PRIOR TO CONSTRUCTION TO PREVENT THE SPREAD OF NEW ZEALAND MUD SNAILS AND OTHER AQUATIC HITCHHIKERS INTO THIS DRAINAGE. ALSO CLEAN ANY HAND TOOLS, BOOTS, OR OTHER EQUIPMENT THAT WILL BE SUED IN THE WATER WITH ONE OF THE BELOW METHODS. THESE PRACTICES ALSO ARE NECESSARY AFTER PROJECT COMPLETION, PRIOR TO EQUIPMENT BEING USED IN ANOTHER STREAM, RIVER, LAKE, POND OR WETLAND FOR THE SAME PURPOSE:
- A. REMOVE ALL MUD AND DEBRIS FROM EQUIPMENT (TRACKS, TURRETS, BUCKETS, DRAGS, TEETH, ETC.) AND THEN KEEP EQUIPMENT DRY FOR 10 DAYS; OR
- B. REMOVE ALL MUD AND DEBRIS FROM EQUIPMENT (TRACKS, TURRETS, BUCKETS, DRAGS, TEETH, ETC.) AND SPRAY/SOAK EQUIPMENT WITH A 1:1 SOLUTION FO FORMULA 409 HOUSEHOLD CLEANER AND WATER, OR A 1:15 SOLUTION OF SPARQUAT INSTITUTIONAL CLEANER AND WATER. KEEP ALL EQUIPMENT MOIST FOR AT LEAST 10 MINUTES, OR
- C. REMOVE ALL MUD AND DEBRIS FROM EQUIPMENT (TRACKS, TURRETS, BUCKETS, DRAGS, TEETH, ETC.) AND SPRAY/SOAK EQUIPMENT WITH WATER GREATER THAN 130 DEGREES FAHRENHEIT FOR AT LEAST 10 MINUTES.
- EN7. ONCE VEGETATION HAS BEEN COMPLETED, THE ENGINEER AND THE CONTRACTOR WILL CONDUCT A WALKTHROUGH OF THE PROJECT SITE. THE PURPOSE OF THE WALKTHROUGH IS TO IDENTIFY ANY AREAS WHERE CONTROL MEASURES NEED TO BE REMOVED OR MAINTAINED AND IDENTIFICATION OF RESPONSIBLE PARTY UNTIL CDPS PERMIT IS CLOSED.

PAVEMENT NOTES:

- P1. PLAN QUANTITIES OF SURFACING MATERIALS ARE BASED ON THE FOLLOWING UNIT WEIGHTS AND APPLICATION RATES:
- HOT MIX ASPHALT @ 150 LBS/C.F.
 - TACK COAT DILUTED EMULSIFIED ASPHALT (SLOW SETTING @ 0.10 GAL/S.Y. (DILUTED 1:1 WITH WATER)
 - AGGREGATE BASE COURSE @ 135 LBS./C.F.
- THE ENGINEER SHALL RESERVE THE RIGHT TO ADJUST RATES OF APPLICATION IN THE FIELD AS CONDITIONS WARRANT.
- P2. TACK COAT WILL NOT BE REQUIRED FOR NEW PAVEMENT PLACED ON AN AGGREGATE BASE COURSE.
- P3. 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.
- P4. 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.
- P5. EMULSIFIED ASPHALT (SLOW SETTING) SHALL CONSIST OF 1 PART WATER AND 1 PART EMULSIFIED ASPHALT. EMULSIFIED ASPHALT (SLOW SETTING) WILL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.
- P6. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED TO IMPROVE BOND AT THE FOLLOWING 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
- P7. 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.



DRAINAGE NOTES

- D1. THE CONTRACTOR IS REQUIRED TO KEEP ALL DRAINAGE FACILITIES FUNCTIONAL AND MAINTAIN DRAINAGE TO THOSE FACILITIES AT ALL TIMES DURING CONSTRUCTION.

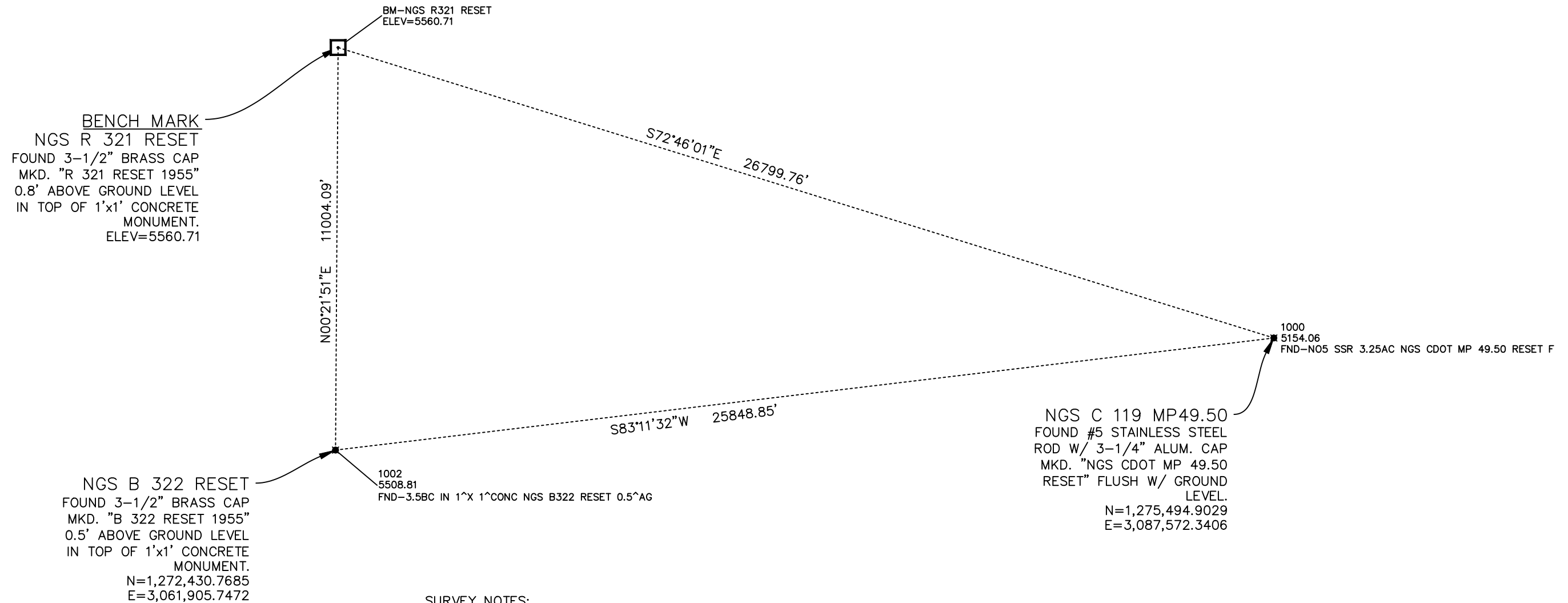
QUANTITY NOTES

- Q1. THE FOLLOWING ITEMS ARE INCLUDED IN THE SUMMARY OF APPROXIMATE QUANTITIES:

CLEARING & GRUBBING	LS	1	
SANITARY FACILITY	EA	1	
CONSTRUCTION SURVEY	LS	1	
MOBILIZATION	LS	1	
F/A MINOR CONTRACT REVISIONS	F/A		1

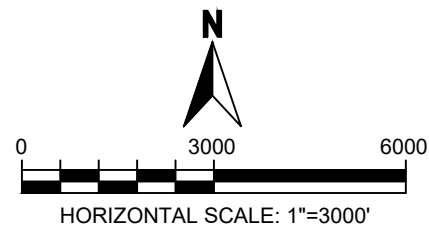
ADDENDUM-1	 <p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">NO.</th> <th style="width: 5%;">DATE</th> <th style="width: 90%;">REVISION DESCRIPTION:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION:							 <p>BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED: DD</td> <td>CAD/C3D: RL</td> <td>CHECKED: DD</td> <td>DATE: 01/07/2021</td> </tr> </table>	DESIGNED: DD	CAD/C3D: RL	CHECKED: DD	DATE: 01/07/2021	<p>LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING</p> <p>GENERAL NOTES (3)</p> <p>PROJECT NO: RS-00-021 SHEET NO: 5</p>
NO.	DATE	REVISION DESCRIPTION:																
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DESIGN MAPPING OF TWO TRACTS OF LAND LOCATED IN THE E1/2 OF SECTION 32, T2N, R70W OF THE 6TH P.M., COUNTY OF BOULDER, STATE OF COLORADO. FOR: BOULDER COUNTY PUBLIC WORKS




SURVEY NOTES:


1. BEARINGS SHOWN ON THE ACCOMPANYING MAP ARE GRID BEARINGS BASED ON UTM ZONE 13-N, WHERE THE EAST LINE OF THE NE1/4 OF THE NE1/4 OF SECTION 32, T2N, R70W OF THE 6TH P.M., BEARS N00°05'04"E AS MONUMENTED AND SHOWN HEREON.
2. THE BASIS OF COORDINATES SHOWN ON THIS MAP IS UTM ZONE 13-N, IN U.S. SURVEY FEET, MODIFIED TO GROUND LEVEL USING COMBINED FACTOR 1.000290285.
3. THE PRIMARY BENCH MARK USED TO DETERMINE THE BASIS OF ELEVATIONS FOR THIS MAP IS NGS BENCH MARK R 321 RESET, A 3-1/2" BRASS CAP MARKED "R 321 RESET 1955" 0.8' ABOVE GROUND LEVEL IN TOP OF 1'x1' CONCRETE MONUMENT LOCATED SOUTHEAST OF LYONS, 1 FOOT WEST OF BARBED WIRE FENCE ON THE RIGHT-OF-WAY LINE OF HIGHWAY 66. NAVD 1988 ELEVATION = 5560.71 FEET.
4. RECORDED EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THIS MAP ARE AS INDICATED ON EXISTING SUBDIVISION PLATS & SURVEYS. NO ADDITIONAL RESEARCH WAS COMPLETED.
5. AT THE REQUEST OF THE CLIENT NO APPARENT EASEMENTS AND RIGHTS-OF-WAY SUCH AS OVERHEAD UTILITY LINES ARE SHOWN ON THE MAP. NO ADDITIONAL RESEARCH WAS COMPLETED.
6. FIELD WORK WAS COMPLETED ON OCTOBER 27, 2020.
7. LINEAR DIMENSIONS SHOWN ON THIS MAP ARE U.S. SURVEY FEET.
8. CONTOUR INTERVAL = 1 FOOT
9. SURVEY CONDUCTED BY: CIVIL ARTS, INC, ROY MOESSER, COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 30110



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

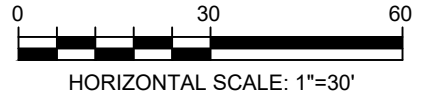
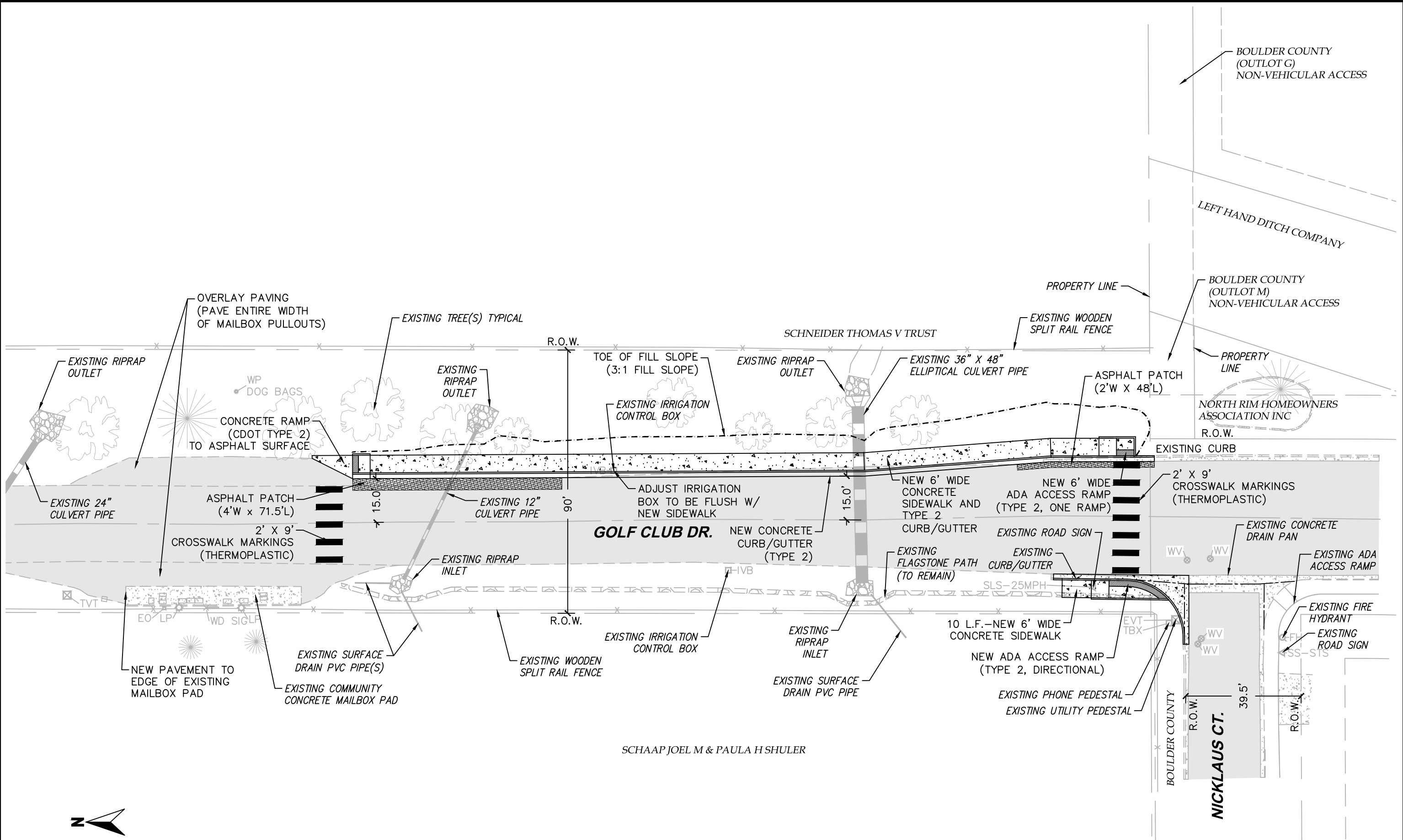
REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021


LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
FIELD SURVEY-CONTROL DIAGRAM
 PROJECT NO: **RS-00-021** SHEET NO: **A-1**

C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-SURVEY-CONTROL 15 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:24 AM

C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-MAILBOX-SIDEWALK 03 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:24 AM



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

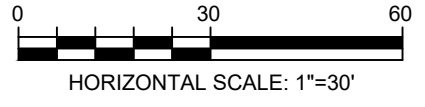
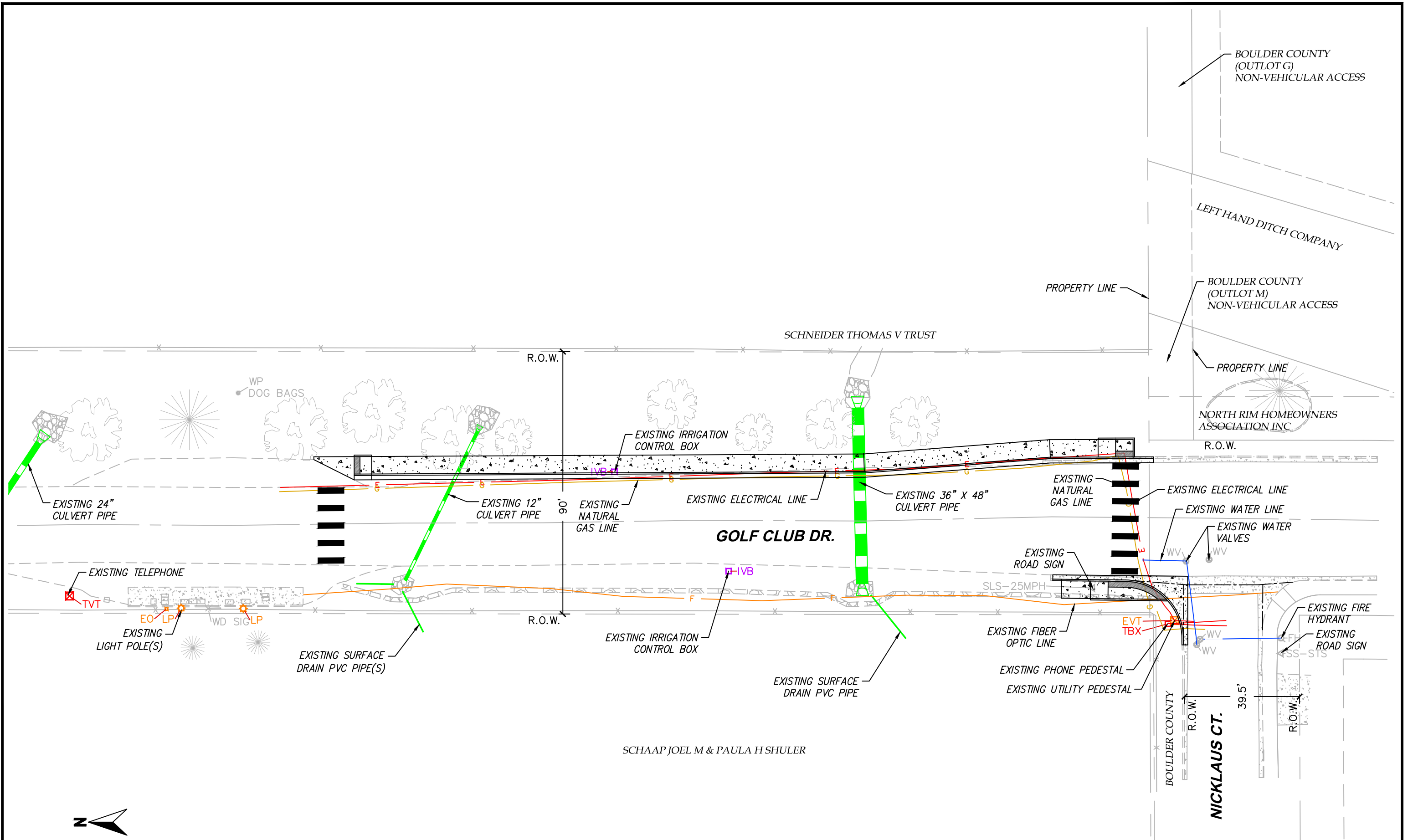
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BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-MAILBOX SIDEWALK
 PROJECT NO: RS-00-021 SHEET NO: A-2

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ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

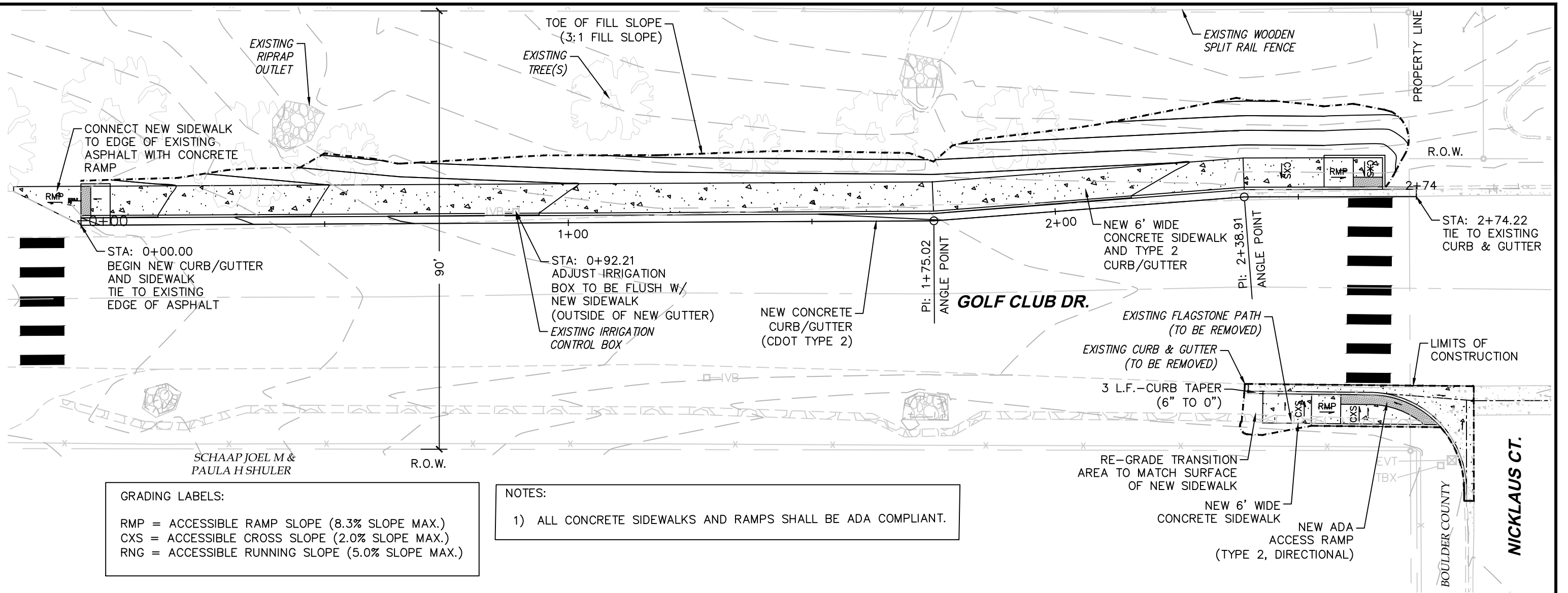
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BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

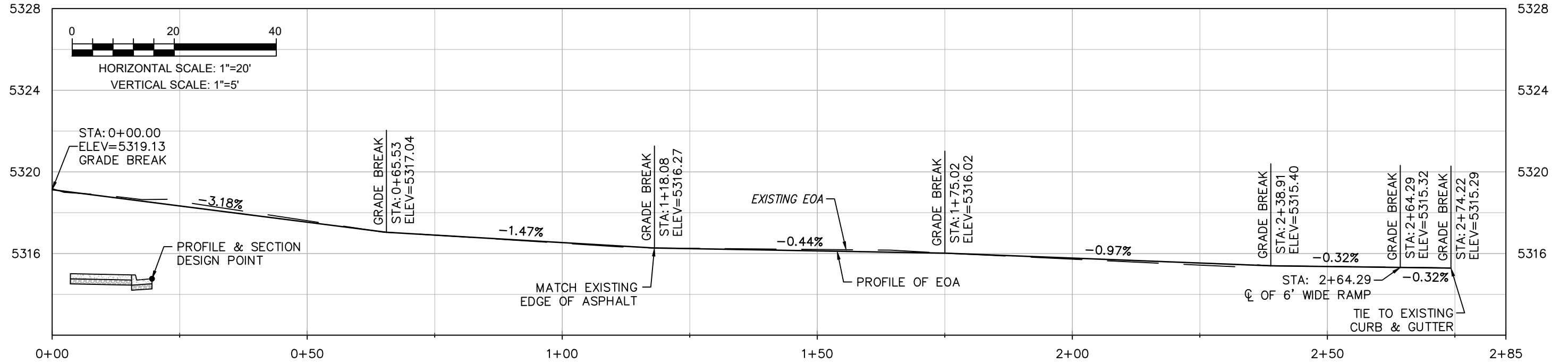
LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-811 UTILITIES
 PROJECT NO: RS-00-021 SHEET NO: A-3

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GRADING LABELS:
RMP = ACCESSIBLE RAMP SLOPE (8.3% SLOPE MAX.)
CXS = ACCESSIBLE CROSS SLOPE (2.0% SLOPE MAX.)
RNG = ACCESSIBLE RUNNING SLOPE (5.0% SLOPE MAX.)

NOTES:
1) ALL CONCRETE SIDEWALKS AND RAMPS SHALL BE ADA COMPLIANT.



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

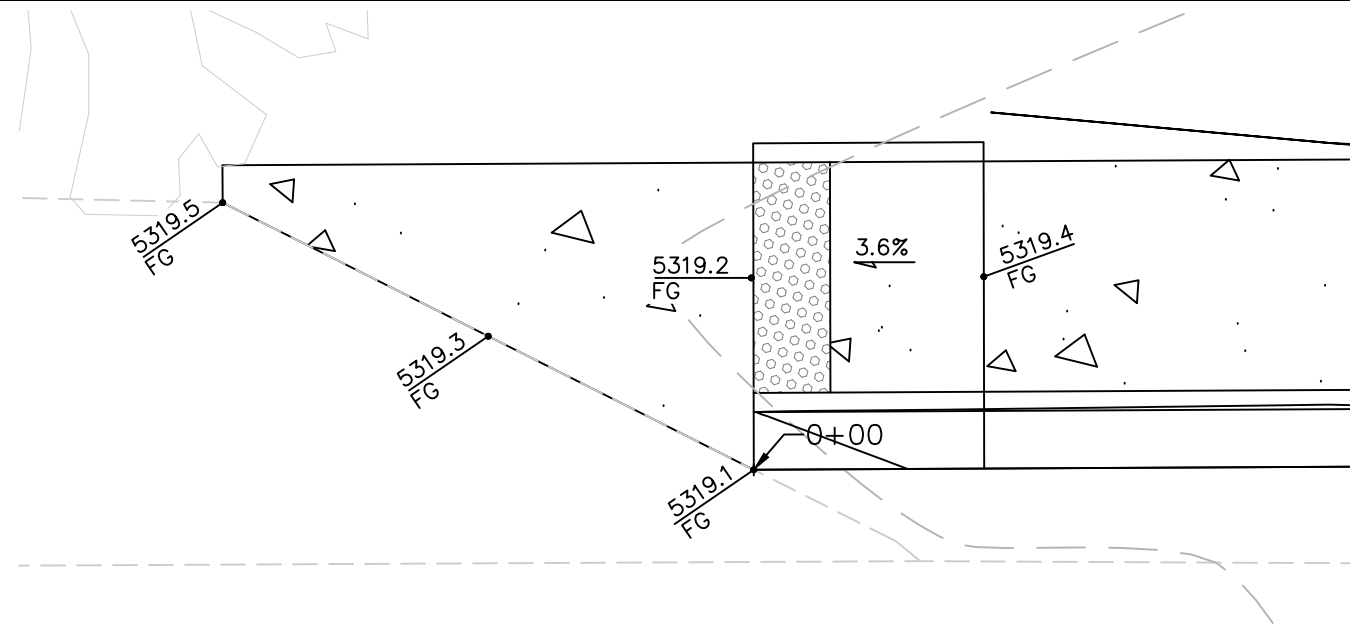
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BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION

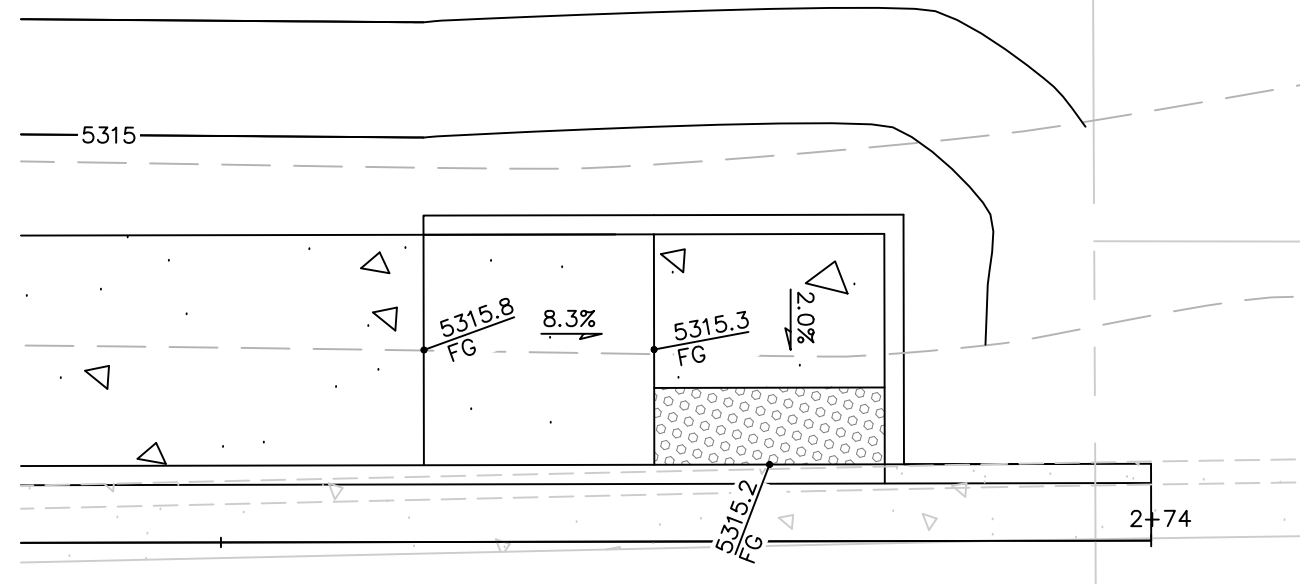
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LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-SIDEWALK GRADING
PROJECT NO: RS-00-021 SHEET NO: A-4

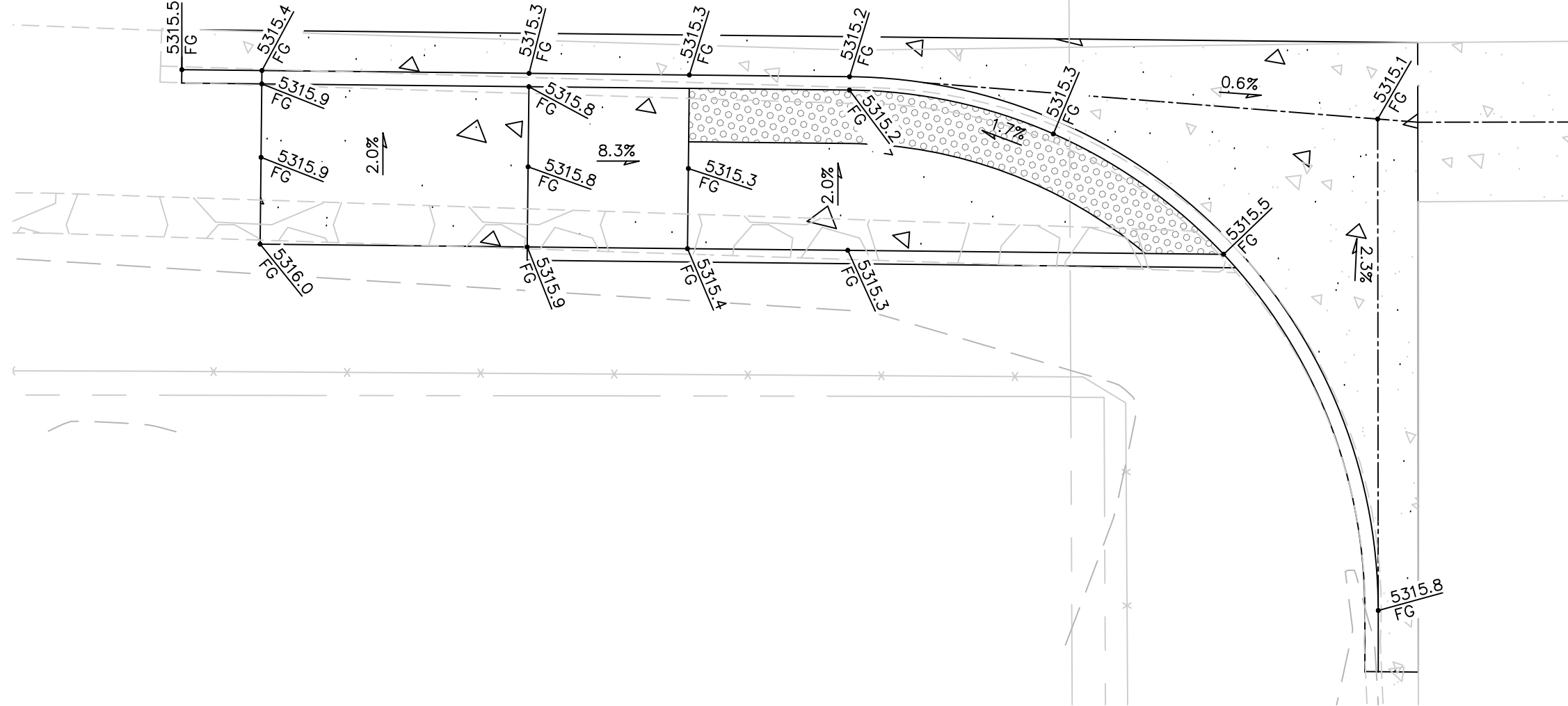
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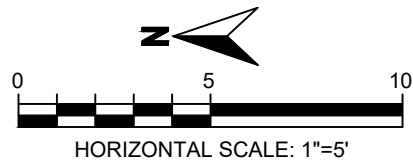
PROPOSED NORTH SIDE SIDEWALK RAMP - GOLF CLUB DRIVE
SCALE: 1"=5'



PROPOSED EAST SIDE SIDEWALK RAMP - GOLF CLUB DRIVE
SCALE: 1"=5'



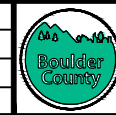
PROPOSED WEST SIDE SIDEWALK RAMP - GOLF CLUB DRIVE
SCALE: 1"=5'



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

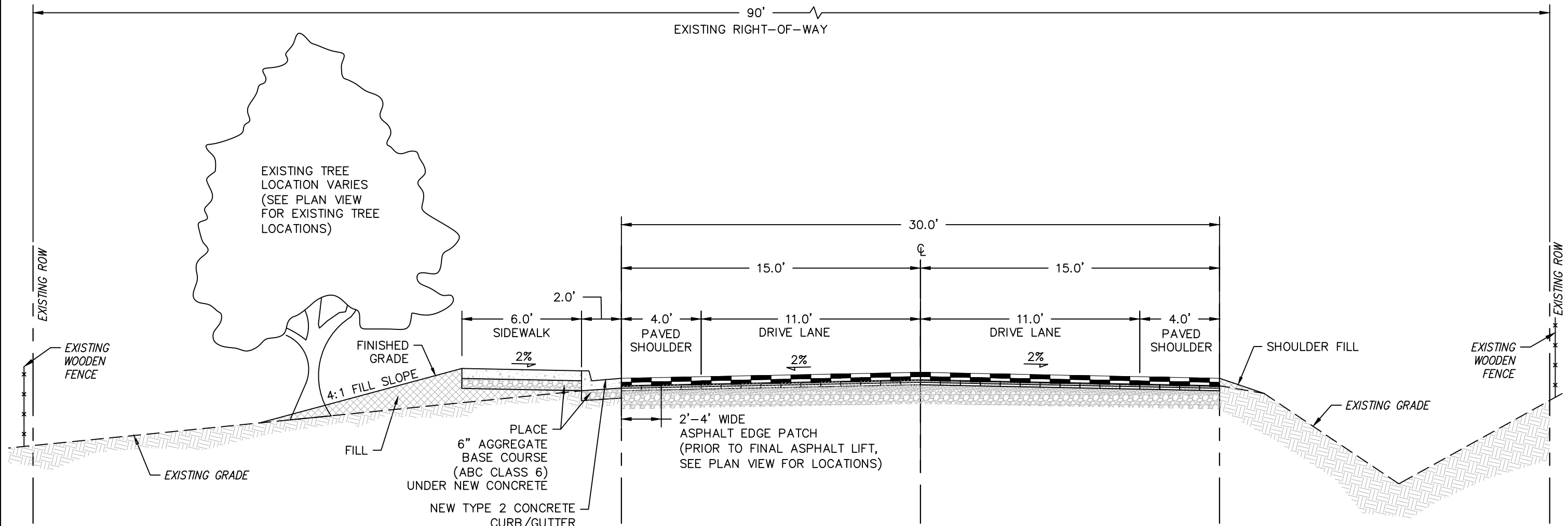
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BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
RAMP GRADING
PROJECT NO: RS-00-021 SHEET NO: A-5

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PROPOSED EAST SIDE SIDEWALK - GOLF CLUB DRIVE
SCALE: 1"=5'



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

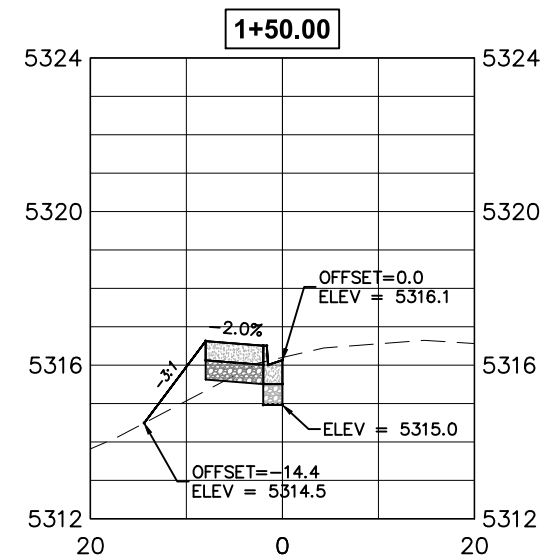
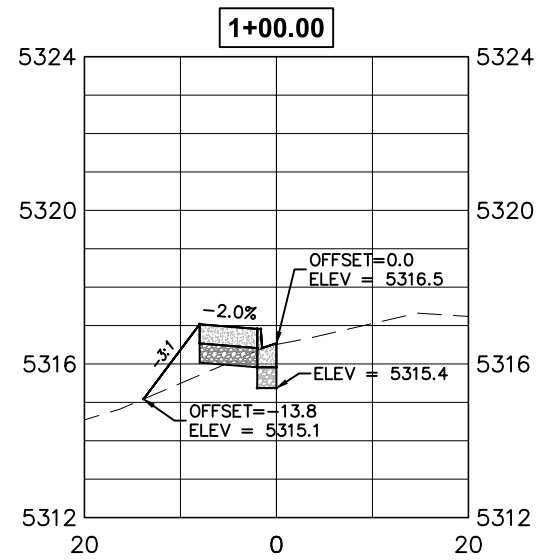
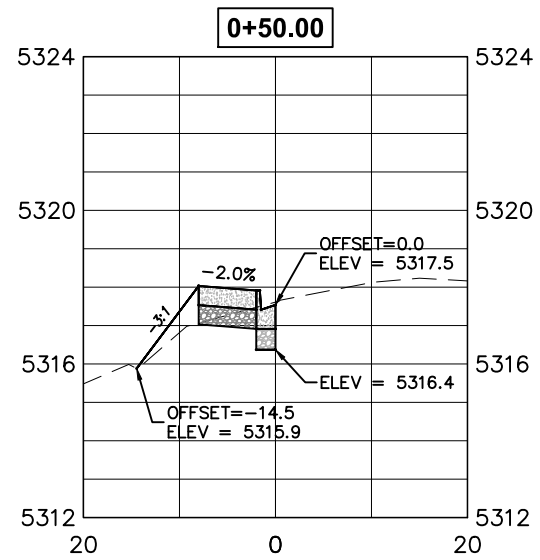
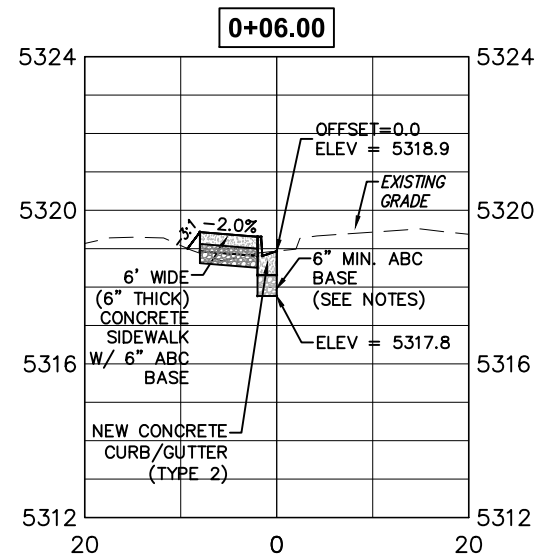
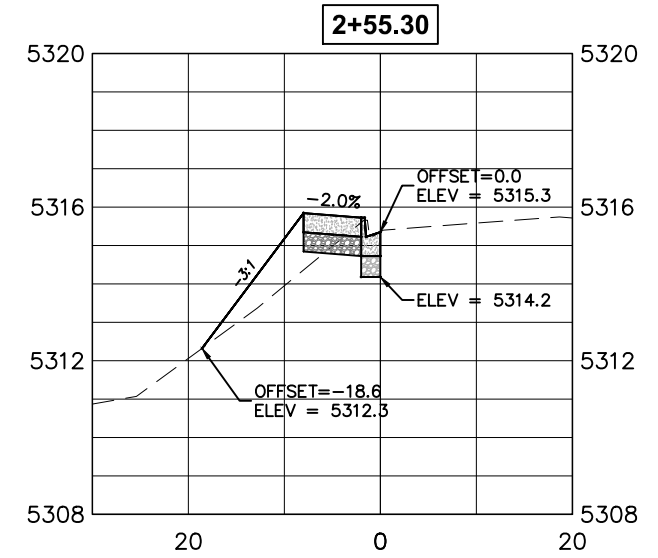
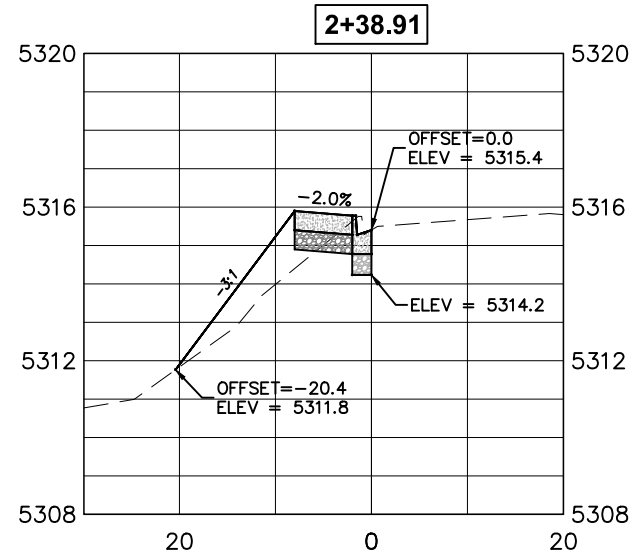
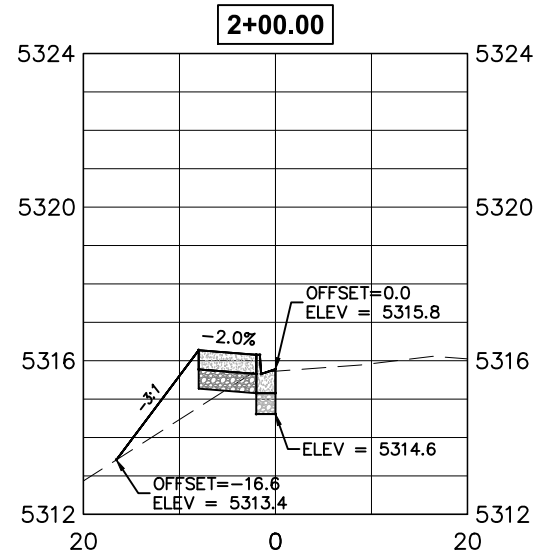
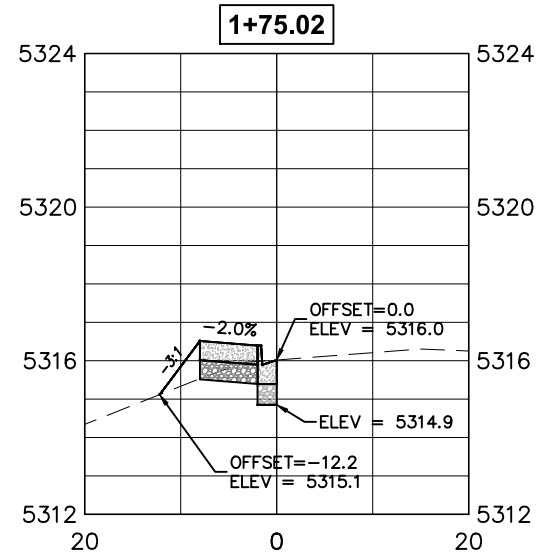
NO.	DATE	REVISION DESCRIPTION:



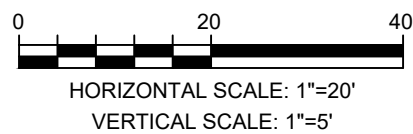
BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-SIDEWALK SECTION
PROJECT NO: RS-00-021 SHEET NO: A-6


C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-SIDEWALK GRADING 18 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:24 AM



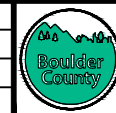
NOTE:
STATION 0+00 TO 6+00 IS A RAMP



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

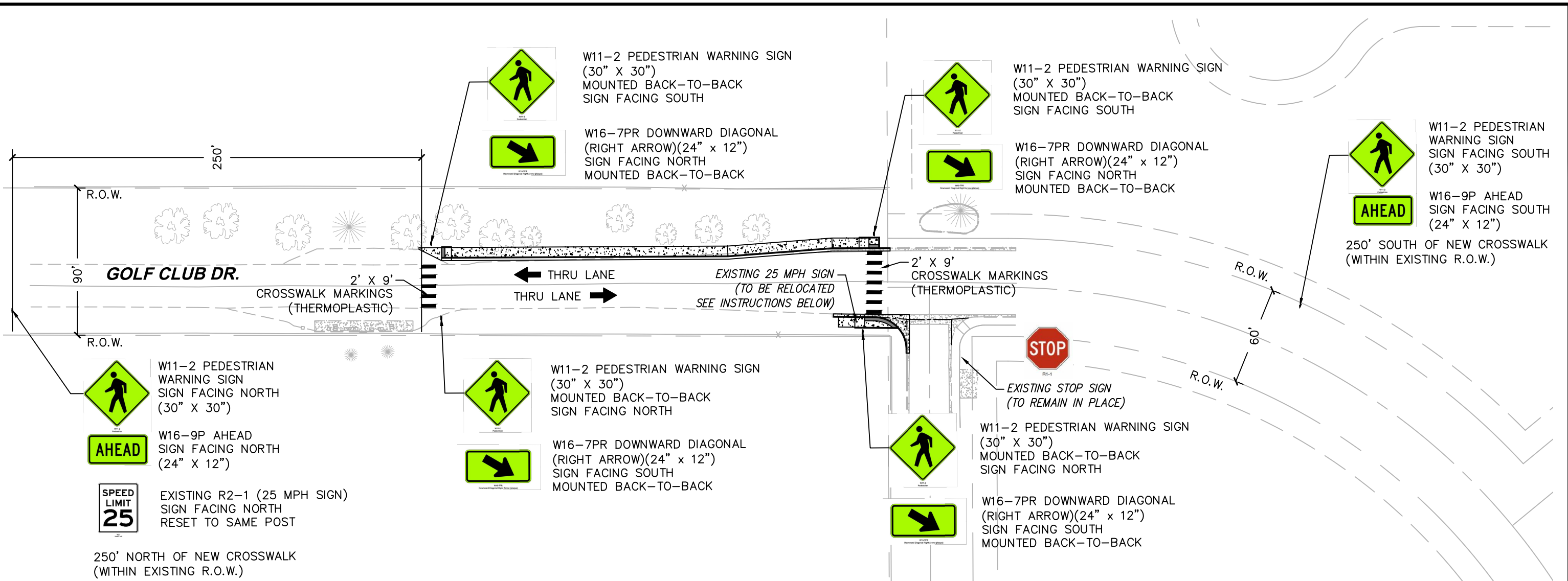
NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
SIDEWALK-SECTIONS
 PROJECT NO: RS-00-021 SHEET NO: A-7

C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-SIGNS 17 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:25 AM



SIGN DESCRIPTION (MUTCD)	SIGN DIMENSIONS	COLOR	# OF SIGNS
W11-2	30" X 30"	FLUORESCENT GREEN/YELLOW	6
W16-7PR (ARROW POINTING DOWN & RIGHT)	24" X 12"	FLUORESCENT GREEN/YELLOW	4
W16-9P	24" X 12"	FLUORESCENT GREEN/YELLOW	2
SIGN RESETS			
R2-1 (EXISTING SIGN)	18" X 24"	WHITE	1

NOTES:

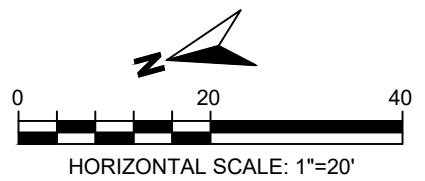
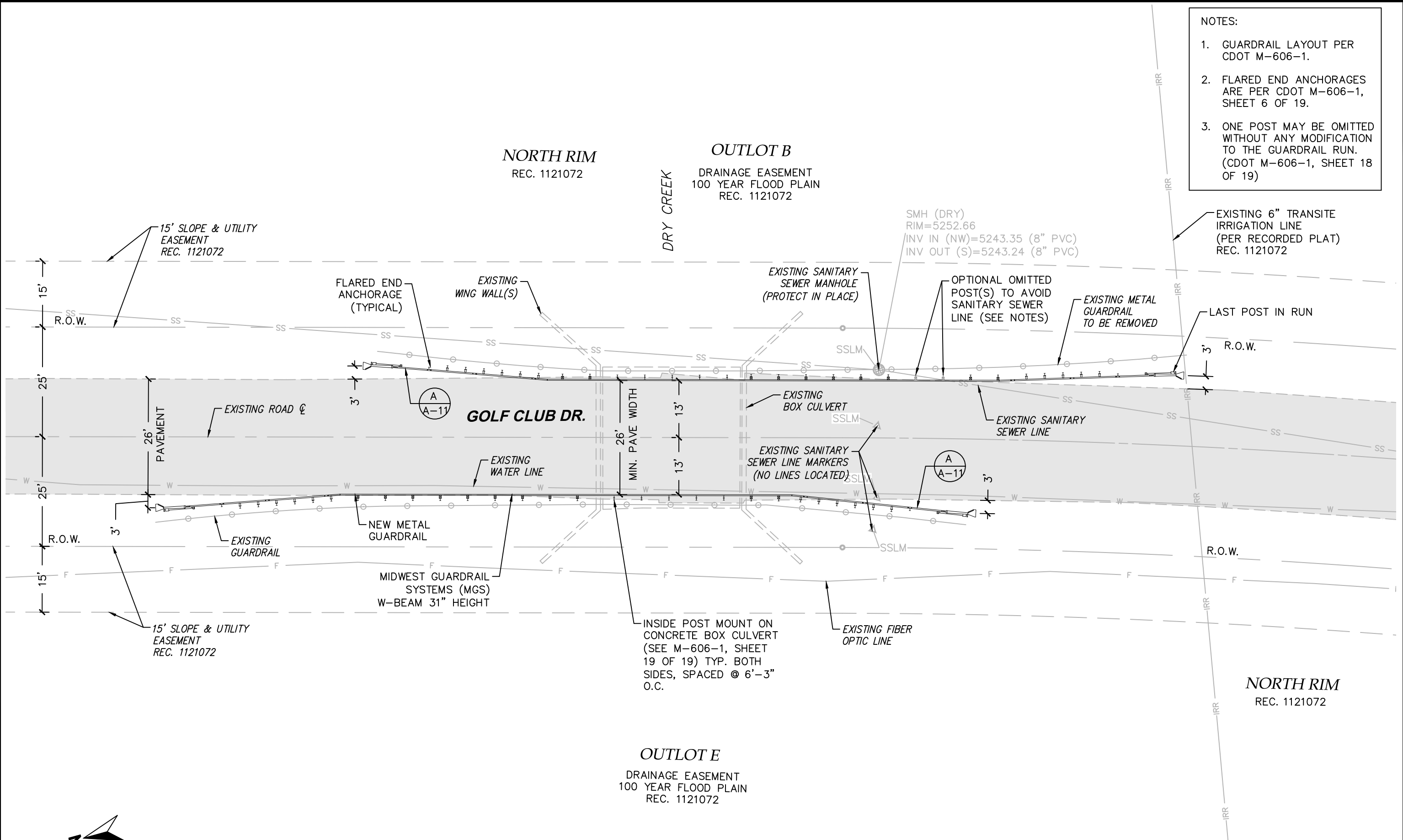
- SIGNS ARE PER MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD).
- CHECK TO MAKE SURE THAT ALL ROAD SIGNS ARE VISIBLE AND NOT BLOCKED BY TREE LIMBS. IF TREES NEED TO BE TRIMMED FOR PROPER SIGN INSTALLATION, NOTIFY BOULDER COUNTY CONSTRUCTION INSPECTOR OR PROJECT ENGINEER PRIOR TO TRIMMING.




ADDENDUM-1	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION:				<p>BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION</p> <p>DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021</p>	<p>LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING</p> <p>GOLF CLUB DR-SIGNAGE</p> <p>PROJECT NO: RS-00-021 SHEET NO: A-8</p>
NO.	DATE	REVISION DESCRIPTION:								

C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-GUARDRAIL 07 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:25 AM

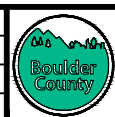
- NOTES:
1. GUARDRAIL LAYOUT PER CDOT M-606-1.
 2. FLARED END ANCHORAGES ARE PER CDOT M-606-1, SHEET 6 OF 19.
 3. ONE POST MAY BE OMITTED WITHOUT ANY MODIFICATION TO THE GUARDRAIL RUN. (CDOT M-606-1, SHEET 18 OF 19)



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

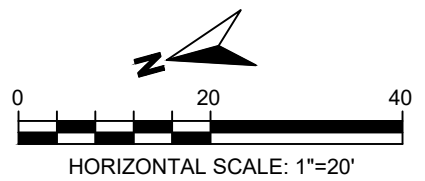
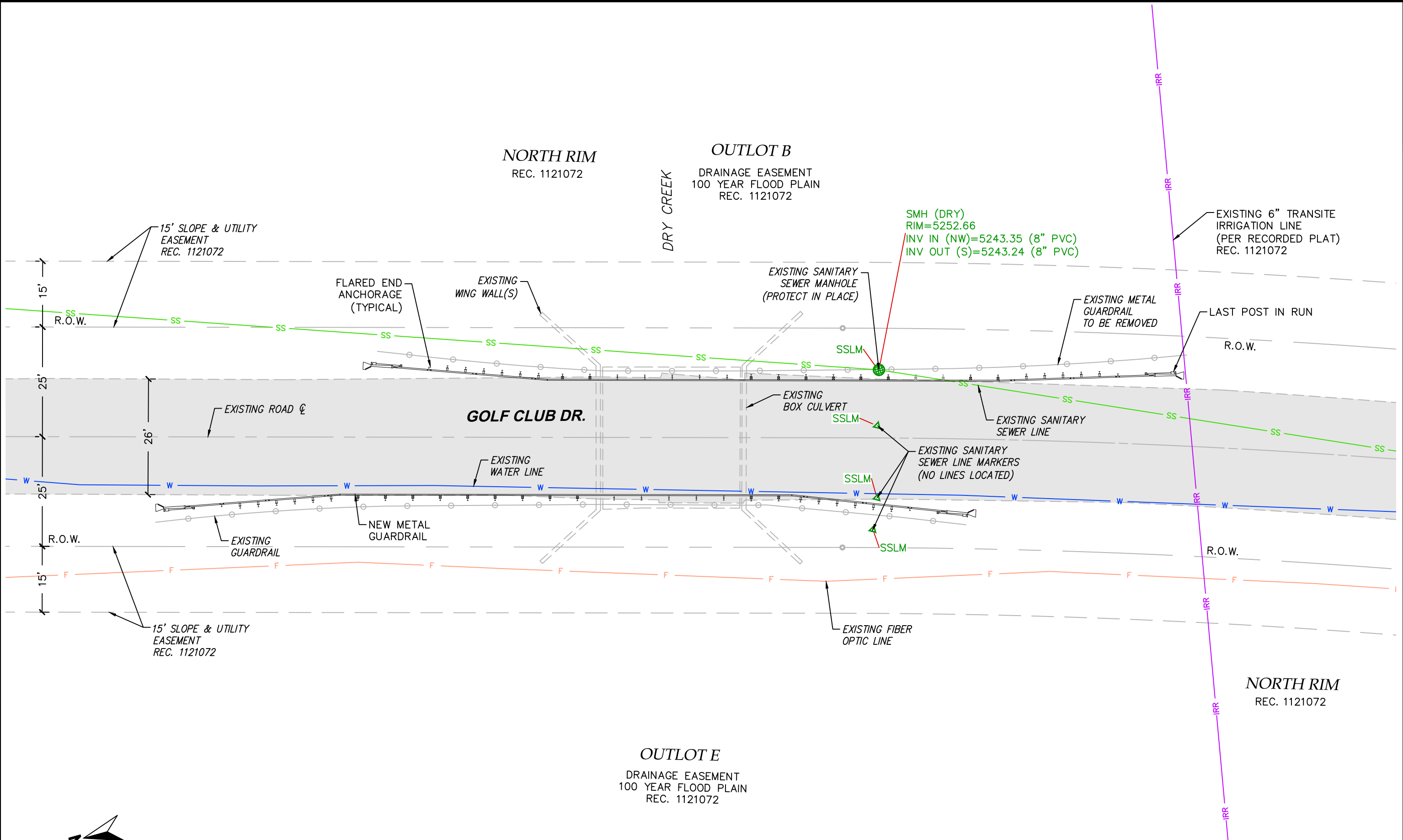
NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-GUARDRAIL
 PROJECT NO: RS-00-021 SHEET NO: **A-9**

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ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

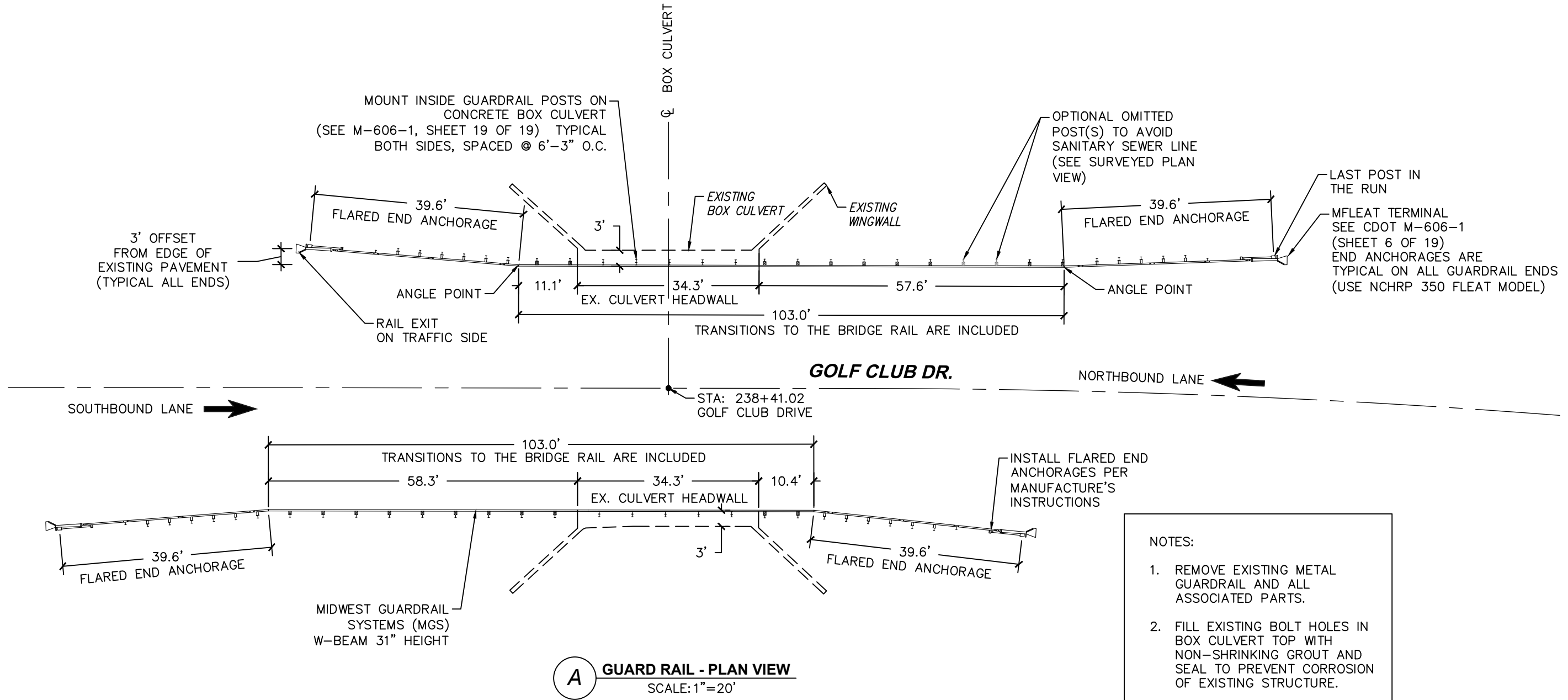
NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB DR-GUARDRAIL 811 UTILITES
 PROJECT NO: RS-00-021 SHEET NO: A-10

C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-GUARDRAIL-DETAIL-REV 10 DEC 2020-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:25 AM



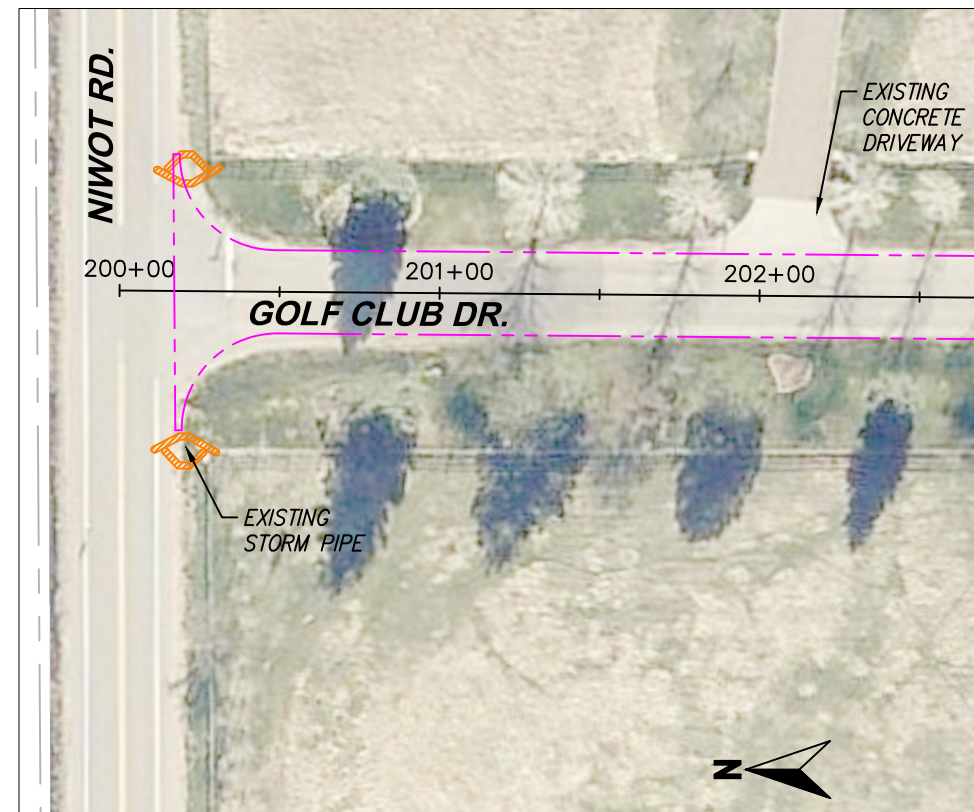
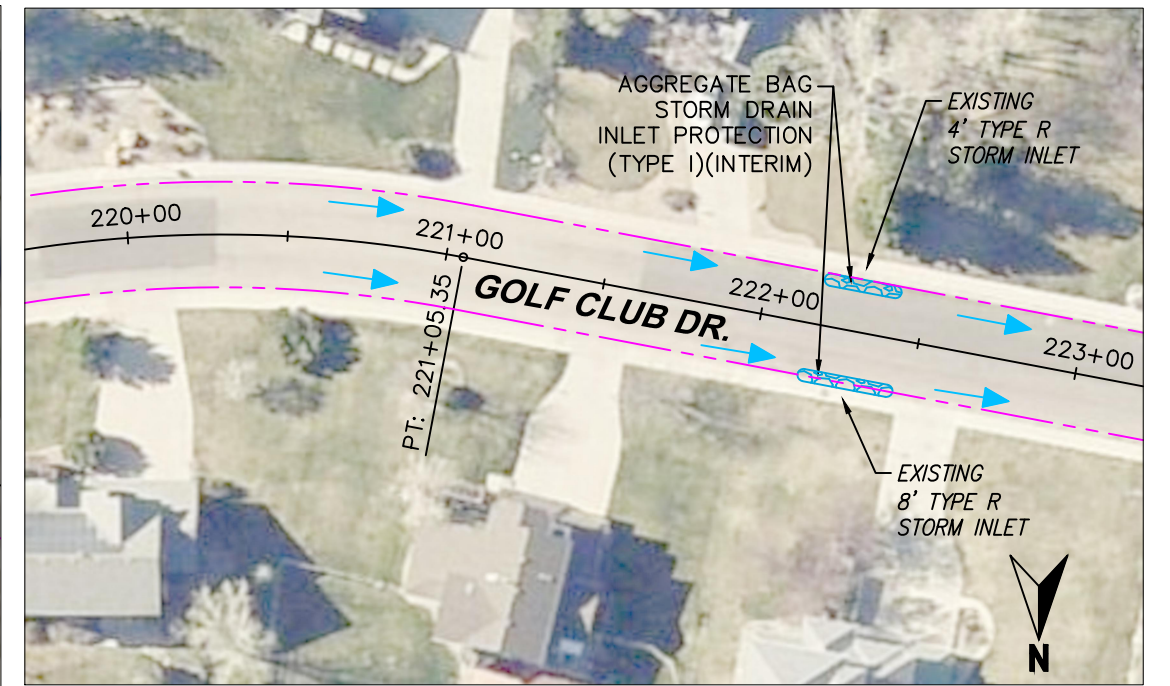
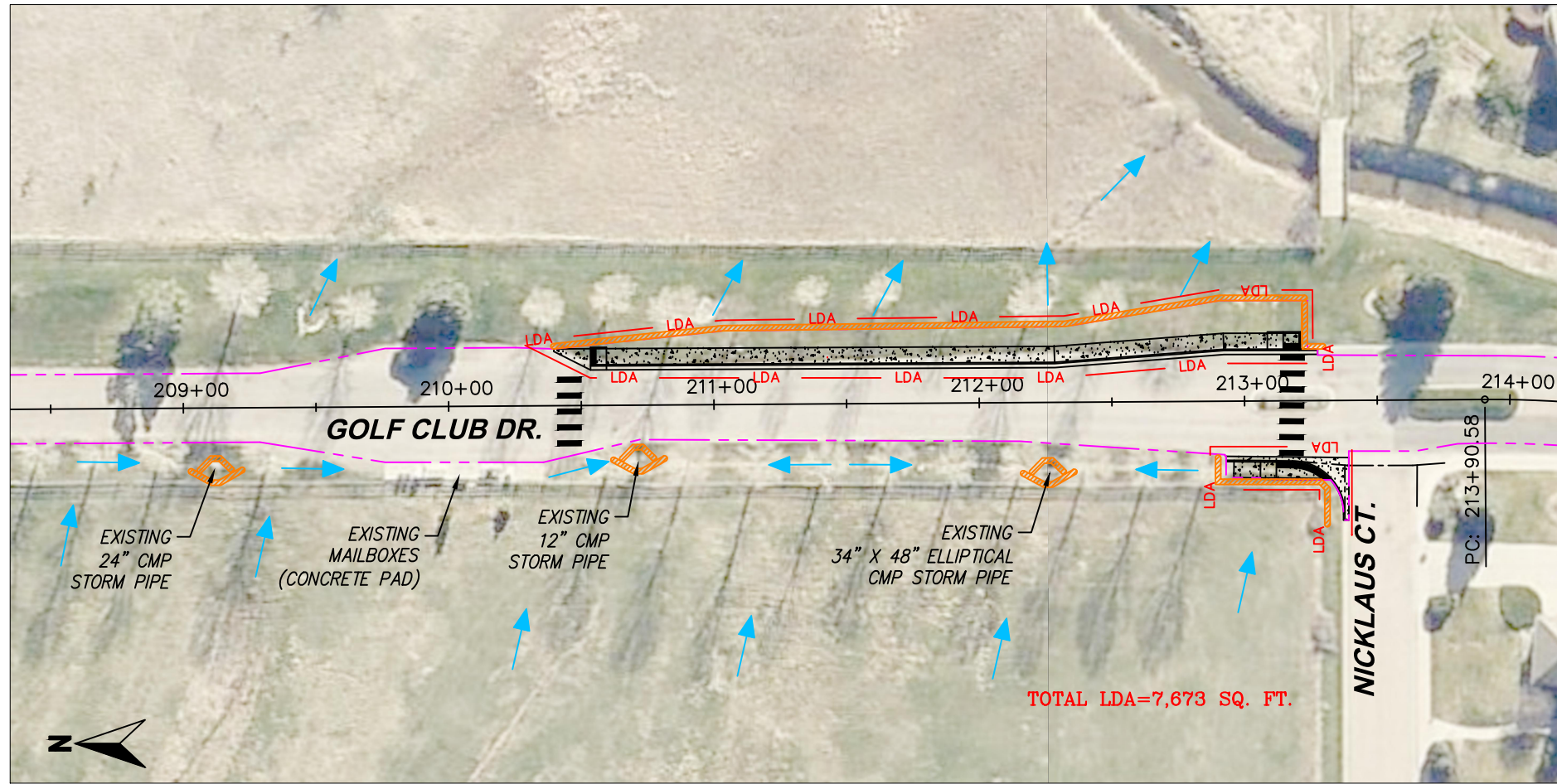
A **GUARD RAIL - PLAN VIEW**
SCALE: 1"=20'

- NOTES:**
1. REMOVE EXISTING METAL GUARDRAIL AND ALL ASSOCIATED PARTS.
 2. FILL EXISTING BOLT HOLES IN BOX CULVERT TOP WITH NON-SHRINKING GROUT AND SEAL TO PREVENT CORROSION OF EXISTING STRUCTURE.



ADDENDUM-1	<p style="font-size: 8px;">CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="font-size: 8px;">REVISIONS:</th> <th style="font-size: 8px;">NO.</th> <th style="font-size: 8px;">DATE</th> <th style="font-size: 8px;">REVISION DESCRIPTION:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS:	NO.	DATE	REVISION DESCRIPTION:													<p style="font-size: 8px;">BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DESIGNED: DD</td> <td style="font-size: 8px;">CAD/C3D: RL</td> <td style="font-size: 8px;">CHECKED: DD</td> <td style="font-size: 8px;">DATE: 01/07/2021</td> </tr> </table>	DESIGNED: DD	CAD/C3D: RL	CHECKED: DD	DATE: 01/07/2021	<p style="font-size: 8px;">LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING</p> <p style="font-size: 8px;">GOLF CLUB DR-GUARDRAIL DETAIL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">PROJECT NO: RS-00-021</td> <td style="font-size: 8px;">SHEET NO: A-11</td> </tr> </table>	PROJECT NO: RS-00-021	SHEET NO: A-11
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PROJECT NO: RS-00-021	SHEET NO: A-11																									

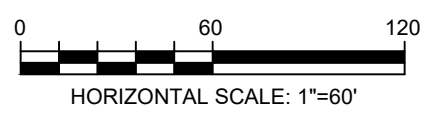
C:\AUTOCAD\PROJECTS\LAKE VALLEY ESTATES\PAVING\PLAN SET\ADDENDUMS\LAKE VALLEY-GOLF CLUB SWMP 05 JAN 2021-ADDENDUM-1.DWG LAST PLOTTED 1/7/2021 8:25 AM



NOTE:
 1. EROSION LOGS AND AGGREGATE BAGS SHALL BE INSTALLED PRIOR TO THE START OF PAVEMENT MILLING OPERATIONS.

SWMP LEGEND:

	LIMITS OF CONSTRUCTION
	LDA LIMITS OF DISTURBED AREA
	EROSION LOG (TYPE 1) (9 INCH) (INITIAL)(INTERIM)
	STORM DRAIN INLET PROTECTION-AGGREGATE BAG (TYPE I)(INITIAL)(INTERIM)
	SURFACE RUNOFF FLOW DIRECTION ARROW



ADDENDUM-1

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY PUBLIC WORKS ENGINEERING DIVISION
 DESIGNED: DD CAD/C3D: RL CHECKED: DD DATE: 01/07/2021

LAKE VALLEY ESTATES/NORTH RIM ASPHALT RESURFACING
GOLF CLUB SWMP (1)
 PROJECT NO: RS-00-021 SHEET NO: A-12