

## CONSTRUCTION CONTRACT

**THIS CONSTRUCTION CONTRACT** (“Contract”) is made and entered into on the date of the last signature set forth below, by and between the City of Littleton, a municipal corporation within the State of Colorado (“City”), and West Fork Construction LLC, a Colorado limited liability company (“Contractor”). The Contractor and the City are referred to as a “Party” or collectively the “Parties.”

1.1 **Contract Documents and Exhibits.** The term “Contract Documents” consist of this Contract together with the following:

Exhibit A	Scope of Work
Exhibit B	Bid Schedule
Exhibit C	Performance and Payment Bond
Exhibit D	<a href="#">Littleton Engineering Design Standards</a> (“Standards and Specifications”) (incorporated by reference only, Exhibit D available online)
Exhibit E	Drawings and Specifications
Exhibit F	Special Conditions

All exhibits referred to in this Contract are attached hereto and are, by reference, incorporated herein for all purposes. Any forms provided within the Contract are not intended to be considered final, and the City expressly reserves the right to modify said contract forms, in its sole discretion. In the event any matter, term, provision, or condition that is the subject of this Contract requires clarification or is in dispute, or is the subject of a difference of opinion, the purpose and intent of the Contract shall be first ascertained by reference to the Contract Documents in their entirety. In the event of any dispute or differences between the respective documents that constitute the Contract Documents, then the Contractor shall secure the written instructions from the City before proceeding with the performance of the services affected by such conflicts, omissions or discrepancies.

1.2 **Project.**

1.2.1 The Contractor shall commence and complete the Scope of Work (“Work”), **Exhibit A**, in accordance with the Contract Documents, as defined herein. The Contractor agrees to perform and complete the Work in a proper and workmanlike manner, consistent with the highest standards of professional and construction practices and in full compliance with, and as required by or pursuant to, this Contract, and with the greatest economy, efficiency, and expedition consistent therewith. The Contractor shall, at its own expense, furnish all labor, materials, tools, supplies, machinery, utilities, permits, licenses, and other equipment that may be necessary for the completion of

the Work, as outlined in the Contract Documents. The Contractor shall have no property right in materials after they have been attached, affixed or incorporated in the Work or the soil.

1.2.2 Further, the Contractor acknowledges that all reasonably necessary steps were taken to ascertain the nature and location of the Work, and the general and local conditions which can affect the Work or the cost of the Work. Failure by the Contractor to do so will not relieve it from responsibility for successfully performing Work without additional expense to the City. The City will not be responsible for any understanding or representations concerning conditions unless such understanding or representations are expressly stated in the Contract.

1.2.3 The City shall furnish all lands and rights-of-way required for completion of the Work. In acquiring rights-of-way, the City will proceed as expeditiously as possible, but in the event all rights-of-way or easements are not acquired prior to the beginning of construction, the Contractor shall begin Work on such lands and rights-of-way as have been acquired. No claim for damage will be allowed or shall be made by reason of the City's delay in obtaining lands, easements or rights-of-way. In the event of litigation or other delays in acquiring rights-of-way, the time allowed herein for completion will be extended to compensate for the time actually lost by such delay.

1.3 **Commencement and Completion of the Project.** The Contractor understands and agrees that all Work required under this Contract shall not commence until a Notice to Proceed is issued and shall be fully completed within **75 days of receiving the Notice to Proceed from the City**. The Contractor acknowledges and understands that it is an essential term of this Contract that Contractor maintain a rate of progress in the Work that will result in completion of the Work in accordance with the Contract Documents, and to that end, Contractor agrees to proceed with all due diligence to complete the Work in a timely manner in accordance with the Contract Documents.

1.4 **Contract Price.** The City accepts the Contractor's bid as set forth in the Bid Schedule, **Exhibit B**, in the total amount of **one million three hundred twenty-six thousand six hundred eighty-two dollars and fifty cents (\$1,326,682.50)**. The City shall make payment(s) to Contractor in the manner and at such times as set forth in the Standards and Specifications. Should the Contract price exceed one-hundred and fifty-thousand dollars (\$150,000.00), the City shall deduct and retain five (5) percent from the total amount of each approved invoice, including Change Orders. The City may also deduct in addition to retainage as stated above, the additional amount(s) of any and all outstanding claims pursuant to Colorado Revised Statute ("C.R.S.") §38-26-107 from each approved invoice.

## 1.5 **Payments to Constitute Current Expenditures.**

1.5.1 Notwithstanding any other term, provision, or condition herein, all financial obligations of the City are contingent on funds for that purpose being appropriated, budgeted and otherwise made available by the City Council. The City's obligations under the Contract shall not constitute a multiple-fiscal year direct or indirect debt or other financial obligation of the City within the meaning of Article X, Section 20 of the Colorado Constitution.

1.5.2 Further, pursuant to 103.6(2) of Article 91, Title 24, C.R.S., no Change Order, Amendment, or other form of order or directive by the City which requires additional compensable work to be performed, and which work causes the aggregate amount payable under this Contract to exceed the amount appropriated for the original Contract, shall be executed, or shall work be performed by the Contractor, unless the City provides written assurances to the Contractor that lawful appropriations to cover the costs of such additional work have been made or unless such work is covered under a remedy-granting provision of this Contract. For purposes of this paragraph, "remedy-granting provision" shall be defined as set forth in C.R.S. §24-91-103.6(4).

1.6 **Confidentiality.** Notwithstanding any provision in the Contract Documents to the contrary, the City is obligated to comply with the Colorado Open Records Act (C.R.S. §§24-72-101 *et seq.*), which may require the City to disclose all or a portion of communications relating to the Contract, or terms of same, or of any transaction under the Contract, and other related matters. The Contractor shall familiarize itself with the Colorado Open Records Act. In no event shall the City be liable to the Contractor for the disclosure of all or a portion of communications, or relating documents, or electronic imaging, including all documents and exhibits that may be included as part of this Contract.

## 1.7 **Bonds.**

1.7.1 Contemporaneous with the Contractor's execution of this contract, the Contractor shall provide a Performance Bond and a Labor and Material Payment Bond as security for the faithful performance and payment of all the Contractor's obligations under the Contract Documents. All bonds shall be in the form prescribed by the City, executed by a surety company i) licensed to do business in the State of Colorado; ii) with a general rating of A and a financial size category of Class X or better in Best's Insurance Guide, each in the penal sum of the contract price; and iii) in conformance with C.R.S. §§ 38-26-105 and 106 ("Bonds"). All Bonds signed by an agent or attorney-in-fact shall be accompanied by a certified copy of the signatory's authority to act. The Contractor shall, at all times while providing, performing, or completing the Work including without limitation at all times while correcting any failure to meet warranty pursuant to the Standards and

Specifications, maintain and keep in force the Bonds at the Contractor's expense.

- 1.7.2 If the Surety for any Bond furnished by the Contractor is placed in a receivership or declared bankrupt, or its rights to do business in Colorado are terminated, or it ceases to meet the requirements specified herein, the Contractor shall within five (5) days thereafter substitute another Bond and Surety, both of which shall be acceptable to the City.

## 1.8 Insurance.

- 1.8.1 The Contractor shall not commence work, and shall not allow any subcontractor to commence work, until it has obtained all insurance required herein and such insurance has been approved by City. For the duration of the Contract, the Contractor must maintain the insurance coverage required in this section. The City's acceptance of a certificate of insurance or other proof of insurance that does not comply with all insurance requirements set forth in this Contract shall not act as a waiver of the Contractor's breach of Contract or of any of the City's rights or remedies under this Contract.
- 1.8.2 The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to the Contract Documents by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.
- 1.8.3 The Contractor shall procure and maintain at its own cost and shall cause each subcontractor of the Contractor to procure and maintain at its own cost (or shall insure the activity of Contractor's subcontractors in Contractor's own policy with respect to), the minimum insurance coverages listed below. Such coverages shall be procured and maintained with forms and insurers acceptable to the City. All coverages shall be continuously maintained from the date of commencement of the Work. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage.
- i. Workers' Compensation and Employers' Liability insurance with minimum limits of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) each accident, FIVE HUNDRED THOUSAND DOLLARS (\$500,000) disease - policy limit, and FIVE HUNDRED THOUSAND DOLLARS (\$500,000) disease - each employee. The policy shall cover obligations imposed by the Workers' Compensation Act of Colorado and any other applicable laws for any employee engaged in the performance of Work.

- ii. Commercial General Liability insurance with minimum combined single limits of ONE MILLION DOLLARS (\$1,000,000) each occurrence and TWO MILLION DOLLARS (\$2,000,000) aggregate. The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, independent contractors, products, and both ongoing and completed operations. The policy shall include coverage for explosion, collapse, and underground hazards (XCU). The policy shall contain a severability of interests provision.
- iii. Comprehensive Automobile Liability insurance with a minimum combined single limit for bodily injury and property damage of ONE MILLION DOLLARS (\$1,000,000) with respect to each of Contractor's owned, hired and/or non-owned vehicles assigned to or used in performance of the Work. The policy shall contain a severability of interests provision.
- iv. Installation Floater/Inland Marine insurance with minimum limits of not less than the insurable value of the work to be performed at completion. The value shall include the aggregate value of any City-furnished equipment and materials to be erected or installed by the Contractor not otherwise insured. The policy shall protect the Contractor and the City from all insurable risks of physical loss or damage to materials and equipment not otherwise covered, while in warehouses or storage areas, during installation, during testing, and after the Work under this Contract is completed. The policy shall be of the "all risks" type, with coverages designed for the circumstances which may occur in the particular Work to be performed under this Contract. The policy shall provide for losses to be payable to the Contractor and the City as their interests may appear. The policy shall contain a provision that in the event of payment for any loss under the coverage provided, the insurance company shall have no rights of recovery against the Contractor or the City.
- v. Equipment Floater. If Contractor or subcontractors utilize high-value equipment, tools, or machinery, or provides its own equipment that will not become a permanent part of the Work, Contractor shall maintain Equipment Floater, at its sole cost and expense, to protect owned, leased, or rented equipment, tools and materials against risk of loss with

sufficient limits to cover the value of all of the equipment, tools and materials Contractor is solely responsible for any deductibles, self-insured retentions or uninsured losses for any reason arising out of Contractor's obligations of this subsection.

- 1.8.4 The City of Littleton shall be included as additional insured for Commercial General Liability and Comprehensive Automobile Liability insurance. The City of Littleton shall be included as additional insured or loss payee for Installation Floater/Inland Marine insurance. All policies of insurance providing additional insured status shall be primary insurance, and any insurance carried by the City, its officers, or its employees, shall be excess and not contributory insurance to that provided by Contractor. The additional insured endorsement for the Commercial General Liability insurance required above shall not contain any exclusion for bodily injury or property damage arising from completed operations. The Contractor shall be solely responsible for any deductible losses under each of the policies required above.
- 1.8.5 Certificates of insurance shall be completed by the Contractor's insurance company as evidence that policies providing the required coverages, conditions, and minimum limits are in full force and effect, and shall be subject to review and approval by the City. The certificate cannot contain "endeavor to" language in the portion of the certificate addressing cancellation. The City of Littleton shall be included as Certificate Holder. The City reserves the right to request and receive a certified copy of any policy and any endorsement thereto.
- 1.8.6 The coverages afforded under the policies shall not be cancelled, terminated or materially changed until at least thirty (30) days' prior written notice has been given to the City. Failure on the part of the Contractor to procure or maintain policies providing the required coverages, conditions, and minimum limits shall constitute a material breach of Contract upon which the City may immediately terminate the Contract, or at its discretion may procure or renew any such policy or any extended reporting period thereto and may pay any and all premiums in connection therewith, and all monies so paid by the City shall be repaid by Contractor to the City upon demand, or the City may offset the cost of the premiums against any monies due to Contractor from the City.
- 1.8.7 The Parties hereto understand and agree that the City is relying on, and does not waive or intend to waive by any provision of this Contract, the monetary limitations or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 et seq., as from time to time amended, or otherwise available to the City, its officers, or its employees.

- 1.9 **Patented Devices, Materials and Processes.** If the Contractor is required or desires to use any design, device, material or processes covered by patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the patentee or patent owner. The Contractor shall warrant that the materials, equipment or devices used on or incorporated in the Work shall be delivered free of any rightful claim of any third-party for infringement of any United States patent or copyright. If notified promptly in writing and given authority, information and assistance, the Contractor shall defend, or may settle, at its expense, any suit or proceeding against the City so far as based on a claimed patent or copyright infringement which would result in a breach of this warranty, and the Contractor shall pay all damages and costs awarded therein against the City due to such breach. In case any use of any materials, equipment or devices is in such suit held to constitute an infringement and such use is enjoined, the Contractor shall, at its expense and option, either procure for the City the right to continue using said materials, equipment or devices, or replace same with non-infringing materials, equipment or devices, or modify the same so it becomes non-infringing. The Contractor shall report to the City promptly and in reasonable written detail each notice or claim of patent or copyright infringement based on the performance of this Contract of which the Contractor has knowledge. In the event of any claim or suit against the City as a result of any alleged patent or copyright infringement arising out of the performance of this Contract or out of the use of any supplies furnished or Work or services performed hereunder, the Contractor shall furnish to the City when requested by the City, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the City except where the Contractor has agreed to indemnify the City. This clause shall be included in all subcontracts.
- 1.10 **Taxes.** The City of Littleton is not subject to taxation. The Contractor shall not invoice the City for any state, federal or local taxes whatsoever. Upon written notification by the City, the Contractor shall reimburse the City in a timely manner for any taxes erroneously paid by the City.
- 1.11 **Termination for Convenience of City.** This Contract and the performance of the Work hereunder may be terminated at any time, in whole or in part, for convenience. Any such termination shall be effected by delivery to the Contractor of a written notice ("Notice of Termination") specifying the extent to which performance of Work is terminated, the date upon which termination becomes effective, and any necessary actions to be taken by the Contractor to effectuate termination and close-out the Contract. If the Contract is terminated, the Contractor shall be paid on a prorated basis of Work satisfactorily completed, under the Work. The portion of Work satisfactorily completed but not yet accepted by the City shall be determined by the City.
- 1.12 **Cooperation with Other Contractors.** In connection with the improvements under this Contract, the right is reserved by the City to award any Work not

included in the Contract to another contractor for performance during the progress of this Contract, or to perform such Work with the City's forces, and the Contractor shall cooperate and so conduct its operation as to minimize the interference therewith, as directed by the Project Manager.

- 1.13 **Termination of Contractor's Responsibility.** This Contract will be considered complete when all Work and final cleanup has been finished, the Work has been accepted by the City, and all claims for payment of labor, materials, or services of any kind used in connection with the Work have been settled for by the Contractor or its Surety. The Contractor will then be released from further obligation except as set forth in the Bond and for its responsibility for injury to persons or property arising from its duties and obligations under the Standards and Specifications. The Bond executed for performance of this Contract shall be in full effect for a period of one (1) year following acceptance of the Work; except with regard to the representation regarding copyright infringement found in Section 1.9 where the Bond shall remain in effect for three (3) years, and except with regard to the representation regarding patent infringement found in Section 1.9, where the Bond shall remain in effect for six (6) years. Neither the final payment nor any provision in the Contract Documents shall relieve the Contractor of the responsibility for negligence or faulty materials or workmanship. Payment to the Contractor will not relieve the Contractor of any obligation under this Contract.
- 1.14 **Subcontracting or Assignment of Work.** No contractual relationship will be recognized under the Contract other than the contractual relationship between the City and Contractor. No portion of the Contract shall be subcontracted, assigned or otherwise disposed of except with the written consent of the City, which consent shall not be unreasonably withheld. Requests for permission to subcontract, assign or otherwise dispose of any portion of the Contract shall be in writing to the Project Manager and shall be accompanied by documents demonstrating the organization which will perform the Work is particularly experienced and equipped for such Work. Consent to subcontract, assign or otherwise dispose of any portion of the Contract shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the Contract.
- 1.15 **Waiver of Breach.** A waiver by any Party to the Contract or the breach of any term or provision of the Contract shall not operate or be construed as a waiver of any subsequent breach by either Party.
- 1.16 **No Third-Party Beneficiaries.** It is expressly understood and agreed that enforcement of the terms and conditions of this Contract, and all rights of action relating to such enforcement, shall be strictly reserved to the City and the Contractor and nothing contained in this Contract shall give or allow any such claim or right of action to any other third-party on this Contract. It is the express intention of the City and the Contractor that any person other than the City or the Contractor receiving services or benefits under this Contract shall be deemed to be an incidental beneficiary only.

- 1.17 **Independent Contractor.** The Contractor shall perform the Work as an independent contractor and shall not be deemed by virtue of this Contract to have entered into any partnership, joint venture, employer/employee or other relationship with the City other than as a contracting party and independent contractor.
- 1.18 **Accessibility Standards.** The Contractor shall comply with the accessibility standards for an individual with a disability adopted by the Colorado Office of Information Technology, in accordance with C.R.S. § 24-85-103 and its implementing regulations. Notwithstanding the foregoing, this requirement shall not be applicable to contracts or agreements for professional services, as defined by C.R.S. § 24-30-1402, or to any portion or part of the contract or agreement that is providing professional services. Further, the contractor shall indemnify, hold harmless, and assume liability on behalf of the city and the city's officers, employees, and agents, for all costs, expenses, claims, damages, liabilities, court awards, attorney fees and related costs, and any other amounts incurred by the city in relation to the contractor's noncompliance with the accessibility standards for an individual with a disability adopted by the Colorado Office of Information Technology, in accordance with C.R.S. § 24-85-103, and its implementing regulations.
- 1.19 **Non-Discrimination.** In connection with the performance of the Work, the Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ethnicity, citizenship, immigration status, sex, gender, age, sexual orientation, gender identity or gender expression, marital status, source of income, military status, protective hairstyle, genetic information, pregnancy, or disability, or any other status protected by applicable law. The Contractor will take affirmative action to ensure applicants are employed, and employees are treated during employment, without regard to their race, color, religion, national origin, ethnicity, citizenship, immigration status, sex, gender, age, sexual orientation, gender identity or gender expression, marital status, source of income, military status, protective hairstyle, genetic information, pregnancy, disability, or any other status protected by applicable law. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- 1.20 **Indemnification.** The Contractor agrees to investigate, defend, indemnify and hold harmless the City, its officers, employees, insurers, and self-insurance pool, from and against all liability, claims and demands on account of any losses, injuries, and damages, including but not limited to, alleged personal injury claims, and/or death claims, or property damage claims, or errors and omissions, which arise solely out of the Contractor's and/or any of its agents' officers or employees performance of the Contractor's obligations under this Contract. The City is

prohibited by Article XI, Section 1, Colorado Constitution, from indemnifying any individual or entity. Therefore, the City does not indemnify the Contractor, successors, or assigns under this Contract. Notwithstanding the foregoing, nothing herein is intended to constitute a covenant, promise, or agreement to indemnify and hold harmless the City from any liability or damages directly caused by or attributable to the City's own negligence, nor is anything herein intended to be nor may be construed as a waiver of the immunities, protections, or limitations on damages provided to the City by the Colorado Governmental Immunity Act, C.R.S. §§24-10-101 et seq., as it may from time to time be amended.

- 1.21 **Governing Law and Venue.** The Contract shall be governed by the laws of the State of Colorado. Venue for any action arising under the Contract or for the enforcement of the Contract shall be in the appropriate court for Arapahoe County, Colorado.
- 1.22 **Additional Documents or Action.** The Parties agree to execute any additional documents and to take any additional action that is necessary to carry out this Contract.
- 1.23 **Binding Effect.** This Contract shall inure to the benefit of, and be binding upon, the Parties, their respective legal representatives, successors, heirs, and assigns; provided, however, that nothing in this paragraph shall be construed to permit the assignment of this Contract except as otherwise expressly authorized herein.
- 1.24 **Integration, Amendment, and Severability.** This Contract represents the entire agreement between the Parties and there are no oral or collateral agreements or understandings. This Contract may be amended only by an instrument in writing signed by the Parties or as otherwise provided herein. If any other provision of this Contract is held invalid or unenforceable, no other provision shall be affected by such holding, and all of the remaining provisions of this Contract shall continue in full force and effect.
- 1.25 **Binding Authority.** The Contractor represents and affirms that the signature page hereof accurately states the full legal name of Contractor (whether as a corporation, partnership, limited liability company, sole proprietorship, or other), contains all requisite signature(s) on behalf of Contractor, has been properly acknowledged by attestation, notary acknowledgment, or both, and in all other respects is effective to bind Contractor, in accordance with all applicable statutes, regulations, resolutions, rules, bylaws, agreements, or similar sources of authority or limitation. This Contract may be executed in counterpart(s), each of which shall be deemed to be an original, and all of which, taken together, shall constitute one instrument.
- 1.26 **Subject to Legislative Approval and Compliance with Law.** The Contractor acknowledges and agrees that if a Change Order is required under the terms of the Contract, the City shall not incur any liability whatsoever for claims of payment,



**CITY OF LITTLETON, COLORADO**

**ATTEST**

\_\_\_\_\_  
Kyle Schlachter  
MAYOR

\_\_\_\_\_  
Colleen Norton  
CITY CLERK

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Reid Betzing  
CITY ATTORNEY



**CONTRACTOR**

\_\_\_\_\_  
Vlad Bocharov  
PM

\_\_\_\_\_  
Date

## **Exhibit A Scope of Work**

This roadway project along Euclid Avenue from Cherokee Street to Broadway includes geometric improvements at multiple local intersections, asphalt roadway reconstruction, concrete sidewalk/shared-use paths, storm sewer, traffic calming devices, flashing beacons, and signing & striping. The Contractor shall perform work to improve bike and pedestrian mobility, vehicular safety, and traffic calming.

The intersection of Euclid Avenue and Cherokee Street shall be fully opened to traffic by August 7, 2026.

**Exhibit B  
Bid Schedule**

Code	Description	UOM	Price	Quantity	Total Cost
202-00010	Removal of Tree	Each	3,000.00	1	3,000.00
202-00018	Removal of Chase Drain	Each	350	1	350
202-00090	Removal of Delineator	Each	15	10	150
202-00190	Removal of Concrete Median Cover Material	Square Yard	23	28	644
202-00195	Removal of Median Cover	Square Yard	36	25	900
202-00200	Removal of Sidewalk	Square Yard	24	287	6,888.00
202-00202	Removal of Gutter	Linear Foot/Feet	18	65	1,170.00
202-00203	Removal of Curb and Gutter	Linear Foot/Feet	4.5	836	3,762.00
202-00204	Removal of Curb, Gutter and Sidewalk	Linear Foot/Feet	6.5	1,681.00	10,926.50
202-00206	Removal of Concrete Curb Ramp	Square Yard	18.5	162	2,997.00
202-00210	Removal of Concrete Pavement	Square Yard	28	236	6,608.00
202-00220	Removal of Asphalt Mat	Square Yard	6	5,439.00	32,634.00
202-00226	Removal of Asphalt Mat (Special)	Square Yard	7	85	595
202-00810	Removal of Ground Sign	Each	60	13	780
202-00821	Removal of Sign Panel	Each	200	5	1,000.00
203-00010	Unclassified Excavation (Complete In Place)	Cubic Yard	28	2,297.00	64,316.00
206-00065	Structure Backfill (Flow-Fill)	Cubic Yard	180	50	9,000.00
206-00510	Filter Material (Class A)	Cubic Yard	300	2	600
207-00205	Topsoil	Cubic Yard	110	50	5,500.00
208-00008	Erosion Log Type 2 (12 Inch)	Linear Foot/Feet	8	691	5,528.00
208-00035	Aggregate Bag	Linear Foot/Feet	16	78	1,248.00
208-00046	Pre-fabricated Concrete Washout Structure	Each	8,000.00	1	8,000.00
208-00054	Storm Drain Inlet Protection (Type II)	Each	500	2	1,000.00
208-00075	Pre-fabricated Vehicle Tracking Pad	Each	5,000.00	1	5,000.00
208-00200	Erosion Control Management	Lump-Sum	8,000.00	1	8,000.00
210-00067	Reset Monument (Type 5)	Each	1,500.00	3	4,500.00
210-00810	Reset Ground Sign	Each	550	4	2,200.00
210-04010	Adjust Manhole	Each	800	3	2,400.00
210-04050	Adjust Valve Box	Each	500	9	4,500.00
212-01200	Landscape Restoration	Lump-Sum	17,000.00	1	17,000.00
216-00201	Erosion Retention Blanket (Straw-Coconut) (Biodegradable Class 1)	Square Yard	12	81	972
304-06007	Aggregate Base Course (Class 6)	Cubic Yard	70	1,600.00	112,000.00
403-00721	Hot Mix Asphalt (Patching) (Asphalt)	Square Yard	80	64	5,120.00
403-33741	Hot Mix Asphalt (Grading S) (75) (PG 64-22)	Ton	100	587	58,700.00

403-34741	Hot Mix Asphalt (Grading SX) (75) (PG 64-22)	Ton	112	597	66,864.00
412-00300	Concrete Pavement	Square Yard	118	48	5,664.00
412-00600	Concrete Pavement (6 Inch)	Square Yard	92	556	51,152.00
412-01000	Concrete Pavement (10 Inch)	Square Yard	125	54	6,750.00
412-01001	Concrete Pavement (10 Inch) (Special)	Square Yard	130	27	3,510.00
503-00018	Drilled Shaft (18 Inch)	Linear Foot/Feet	260	12	3,120.00
506-00409	Soil Riprap (9 Inch)	Cubic Yard	290	4	1,160.00
603-01180	18 Inch Reinforced Concrete Pipe	Linear Foot/Feet	110	54	5,940.00
603-05018	18 Inch Reinforced Concrete End Section	Each	4,000.00	1	4,000.00
604-16550	Inlet Type 16 (Double) (Special)	Each	12,000.00	2	24,000.00
608-00000	Concrete Sidewalk	Square Yard	85	2,188.00	185,980.00
608-00010	Concrete Curb Ramp	Square Yard	210	389	81,690.00
608-10010	Sidewalk Drain	Each	6,500.00	1	6,500.00
609-21020	Curb and Gutter Type 2 (Section II-B)	Linear Foot/Feet	32	2,444.00	78,208.00
609-24006	Gutter Type 2 (6 Foot)	Linear Foot/Feet	72	40	2,880.00
604	1-1/2 Inch Plastic Irrigation Pipe (PVC) (Class 200 BE)	Linear Foot/Feet	13	60	780
604	2 Inch Plastic Irrigation Pipe (PVC) (Class 160)	Linear Foot/Feet	13	60	780
604	4 Inch Plastic Irrigation Pipe (PVC) (Class 160)	Linear Foot/Feet	36	60	2,160.00
614-00011	Sign Panel (Class I)	Square Foot/Feet	30	18	540
614-00012	Sign Panel (Class II)	Square Foot/Feet	40	54	2,160.00
614-00217	Steel Sign Post (2x2 Inch Telespar Tubing)	Linear Foot/Feet	32	88	2,816.00
614-72860	Pedestrian Push Button	Each	2,000.00	2	4,000.00
614-80003	Rectangular Rapid Flashing Beacon	Each	7,000.00	2	14,000.00
614-84000	Traffic Signal Pedestal Pole Steel	Each	300	2	600
625-00000	Construction Surveying	Lump-Sum	35,500.00	1	35,500.00
626-00000	Mobilization	Lump-Sum	125,000.00	1	125,000.00
627-00008	Modified Epoxy Pavement Marking	Gallon	500	10	5,000.00
627-30405	Preformed Thermoplastic Pavement Marking (Word- Symbol)	Square Foot/Feet	27	120	3,240.00
627-30410	Preformed Thermoplastic Pavement Marking (Xwalk- Stop Line)	Square Foot/Feet	21	700	14,700.00
630-00000	Traffic Control	Lump-Sum	75,000.00	1	75,000.00
700-70010	Force Account				125,000.00

Total 1,326,682.50

**PERFORMANCE, LABOR AND MATERIAL PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS that West Fork Construction LLC (Contractor), as Principal (the "Principal") and Palomar Casualty and Surety Company, a corporation organized under the laws of the State of Louisiana, and authorized to transact business in the State of Colorado, as "Surety", jointly and severally, including their heirs, personal representatives, successors and assigns, are held and firmly bound unto the City of Littleton as Obligee, hereinafter called Owner, for the use and benefit of claimants as herein below defined, in the amount of One Million Three Hundred Twenty-Six Thousand Six Hundred Eighty-Two Dollars and Fifty Cents (\$1,326,682.50), for the payment and interest as provided by law for the performance of the Contract between the Principal and the Owner, dated \_\_\_\_\_, 2026, for the Euclid Avenue Roadway Improvements Phase II - Cherokee Street to Broadway Project in accordance with drawings and specifications; which the Contract is made a part hereof, and is hereinafter referred to as the Contract, and incorporated by this reference.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal, at all times, shall promptly and faithfully perform said Contract, and shall promptly make payment to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the Contract, any authorized modifications thereof during the original term of the Contract, any extensions thereof that may be granted by the Owner, and during the term of any guarantee or warranty required under the Contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense when the Owner may incur in making good any default, then the Principal and Surety shall have no obligation under this Bond, otherwise it shall remain in full force and effect for a period of one (1) year following execution of the Contract. Upon expiration, this Bond shall be extended by a continuation certificate for an additional one (1) year, and extended thereafter until the warranty period has expired in accordance with the terms of the Contract.

The Surety, for value received, agrees that no extension of time, change in, addition to, or other alteration or modification of the terms of the Contract or work to be performed there under or any other forbearance on the part of either the Owner or the Principal to the other shall in any way release or impact the Surety's liability or obligation on this Bond, and the Surety hereby waives notice of any extension of time, change in, addition to, or other alteration or forbearance.

Whenever the Owner terminates the Contract in accordance with the terms thereof, the Surety shall, within fifteen (15) calendar days after written notice of such termination, notify the Owner in writing of its election to complete the Contract in accordance with its terms and conditions, or notify the Owner that the Surety elects not to complete the Contract. If the Surety fails to provide the written notice within the fifteen (15) calendar day period, then it will have deemed to have not elected to complete the Contract. Should the Surety elect to complete the Contract, then it shall, within fifteen (15) additional calendar days, following written notice of such election, obtain a bid or bids for submission to Owner for completing the Contract in accordance with its terms and conditions. The Surety shall arrange for a contract between bidder and Owner, and make

available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price; but not exceeding, including other costs, attorneys fees of the Owner and damages for which the Surety shall be liable hereunder, the amount set forth in the first paragraph hereof. In the event of termination, the Surety may not engage the Principal to complete the Contract, without prior written consent of the Owner, which consent may be withheld in the Owner's sole discretion. If the Surety elects to complete the Contract, then it shall be entitled to receive the balance of the Contract price, less i) any amounts paid by the Owner to the Principal; ii) costs incurred by the Owner in correcting the defective work; iii) any additional legal, design professional or other costs incurred by the Owner resulting from Principal's default; and iv) any liquidated damages caused by the delayed performance or nonperformance of the Principal. Any progress payments, less retainage, due but not paid at the date of termination shall be paid to the Surety so long as the Surety has agreed to indemnify the Owner for the amount thereof and no other claims have been made to such funds by subcontractors or suppliers in accordance with the Contract or any applicable law. In the event that the Surety elects not to complete the Contract, the Owner may then have work completed by such means and in such manner, as it may deem advisable. The Surety, in such event, shall at all times make available, as work progresses under the Contract between the Owner and new contractor, sufficient funds to pay the cost of completion of the Contract pursuant to the its terms together with the other amounts set forth above, but in no event shall the Surety be responsible for the payment of any sums to the Owner until the Owner has paid in full its total obligation under the terms of the original Contract, plus Change Orders or amendments less deductions and claims chargeable by law or by the Contract, if any, and less the retainage which will be disbursed as provided by the Contract and any applicable law.

Any proceeding, whether legal or equitable, under this Bond, except for claims for payment of labor and material, or copyright or patent infringement, must be instituted before the expiration of two (2) years from the date on which final payment under the Contract falls due.


Further, the above named Principal and Surety hereby jointly and severally agree with the Owner that the Principal shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such Contract ("claimant"), and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, repairs or machinery, equipment and tools, consumed or used in connection with the construction of such work, whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

The above-named Principal and Surety hereby jointly and severally agree with the Owner that every claimant, who has not been paid in full at any time up to and including the time of final settlement for the work contracted to be done, file with the Owner, a verified statement of the amount due and unpaid in accordance with Section 38-26-107, C.R.S. Provided, further, that no final settlement between the Owner and the Principal shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied. The Owner shall not be liable for the payment of any costs, attorney fees, or other expenses of any such legal remedies a claimant may have against the Principal or Surety.

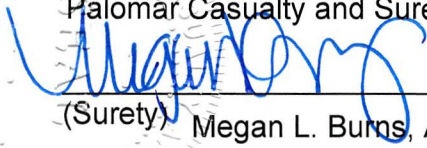
SIGNED this 8 day of June 2026.

In the presence of:

West Fork Construction LLC

  
\_\_\_\_\_  
(Contractor / Principal)

Palomar Casualty and Surety Company

  
\_\_\_\_\_  
(Surety) Megan L. Burns, Attorney-in-Fact

**(Accompany this Bond with Attorney in-fact's authority from the Surety to execute the Bond, certified to include the date of the Bond.)**

APPROVED FOR THE OWNER:

\_\_\_\_\_  
BRENT SODERLIN  
DIRECTOR OF PUBLIC WORKS AND UTILITIES

**PALOMAR SPECIALTY INSURANCE COMPANY  
PALOMAR CASUALTY AND SURETY COMPANY**

**POWER OF ATTORNEY FOR BONDS AND UNDERTAKINGS**

**Bond Number:** GSH8100156      **Principal:** West Fork Construction LLC  
**Description:** Euclid Avenue Roadway Improvements Phase II - Cherokee Street to Broadway Project

KNOW ALL BY THESE PRESENTS, THAT Palomar Specialty Insurance Company, a corporation duly organized and existing under the laws of the State of Oregon ("PSIC"), and Palomar Casualty and Surety Company, duly organized and existing under the laws of Louisiana, ("PCSC" and together with PSIC, the "Companies" or each "Company"), do hereby make, constitute, and appoint:

Edward Maxfield, Thomas W. Patton and Megan L. Burns

on behalf of the Companies named above its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its deed, bonds, or other writings obligatory in the nature of a bond, as surety, contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed the amount of \$75,000,000.00.

This Power of Attorney is granted and is signed by facsimile or other electronic transmission under and by the authority of the following Joint Resolutions adopted by the Boards of Directors of Palomar Specialty Insurance Company and Palomar Casualty and Surety Company at meetings duly called and held on the 13th day of March, 2026.

RESOLVED, that any President, or any Executive Vice President, or any Secretary specially authorized to do so by the Boards of Directors of the Companies, and Cullen S. Piske, President of PCSC, be and each of them hereby is authorized and empowered to appoint Attorneys-in-Fact as the business of the Companies may require, or to authorize any person(s) to execute and deliver on behalf of the Companies any bonds, undertakings, and all contracts relating to the surety business of the Companies, and that each or any of them is further authorized to attest to the execution of such Power of Attorney, and to attach the seal of each respective Company thereto.

FURTHER RESOLVED, that the signatures and attestations of such officers and the seal of each Company may be affixed to any such Power of Attorney or to any certificate relating thereto by electronic means and any such Power of Attorney or certificate bearing such electronic signatures or electronic seal shall be valid and binding upon each Company with respect to any bond, undertaking, recognizances or other contract of indemnity of writing obligatory in the nature thereof.

Cullen S. Piske  
President  
Palomar Casualty and Surety Company



State of Louisiana  
Parish of St. Tammany

On this 13th day of March, 2026, before me, a Notary Public, personally appeared Cullen S. Piske, President of Palomar Casualty and Surety Company, personally known to me, being duly sworn, acknowledged that they signed the above Power of Attorney and affixed the seals of the Company as an officer of, and acknowledged said instrument to be the voluntary act and deed, of the Company.



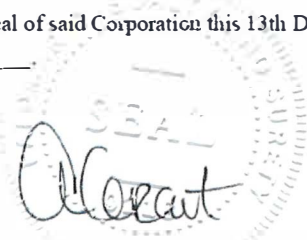
Leigh Anne Henican  
Notary Public  
Notary ID No. 92653  
Orleans Parish, Louisiana

Leigh Anne Henican  
Notary Public, Parish of Orleans State of Louisiana  
My Commission is for Life

I, Angela Grant, Secretary of Palomar Specialty Insurance Company, do hereby certify that the foregoing Joint Resolutions were adopted by the Boards of Directors of the Companies and the Powers of Attorney issued pursuant thereto, are true and correct and that both the Joint Resolution and the Powers of Attorney are in full force and effect.

IN WITNESS WHEREOF, I have herewith set my hand and affixed the seal of said Corporation this 13th Day of March, 2026.

Dated and effective this \_\_\_\_\_ day, of \_\_\_\_\_, \_\_\_\_\_.



Angela Grant  
Secretary



**PERFORMANCE AND PAYMENT BOND  
SURETY AUTHORIZATION**

City of Littleton  
City Manager  
2255 West Berry Avenue  
Littleton, CO 80120

RE: **West Fork Construction LLC**

City Project: # **26-07**

Project Name: **Euclid Avenue Roadway Improvements Phase II - Cherokee Street to Broadway Project**

Contract Amount: **\$1,326,682.50**

Performance and Payment Bond No.: **GSH8100156**

Dear Assistant City Attorney,

The Performance and Payment Bonds covering the above captioned project were executed by this agency, through Palomar Casualty and Surety Company, on June 3, 2026.

We hereby authorize the City of Littleton, Colorado, to date all bonds and powers of attorney to coincide with the date of the contract.

If you should have any additional questions or concerns, please don't hesitate to give me a call at 303-520-0249.

Thank you.

Sincerely,



Thomas W. Patton

Attorney-in-fact



PoDI / NHS

FHWA PROJECT OF DIVISION INTEREST (PoDI)?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
NATIONAL HIGHWAY SYSTEM?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES

# EUCLID AVE IMPROVEMENTS – PHASE 2 FROM CHEROKEE ST TO BROADWAY LITTLETON, COLORADO

PUBLIC WORKS & ENGINEERING  
LITTLETON PROJECT NO. 26-07



FOR BURIED UTILITY INFORMATION  
**THREE (3) BUSINESS DAYS  
BEFORE YOU DIG**  
CALL 811  
(or 1-800-922-1987)  
UTILITY NOTIFICATION  
CENTER OF COLORADO (UNCC)  
www.uncc.org



TABULATION OF LENGTH		
STATION	LENGTH	
	LINEAR FEET	MILES
ROADWAY IMPROVEMENTS		
BEGIN – STA 14+33.00	1,191.55	0.23
END – STA 26+24.55		
<b>TOTAL PROJECT LENGTH</b>	1,191.55	0.23

LITTLETON DESIGN DATA	
DESIGN SPEED	20 MPH

**DESIGNER CERTIFICATION:**

I HEREBY CERTIFY THAT THIS GRADING, SEDIMENT AND EROSION CONTROL PLAN WAS PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE PROVISIONS OF THE CITY OF LITTLETON'S STORM DRAINAGE DESIGN AND CRITERIA MANUAL FOR THE OWNERS THEREOF.

ENGINEER OF RECORD SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

STATE OF COLORADO PE NO. \_\_\_\_\_

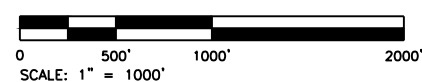
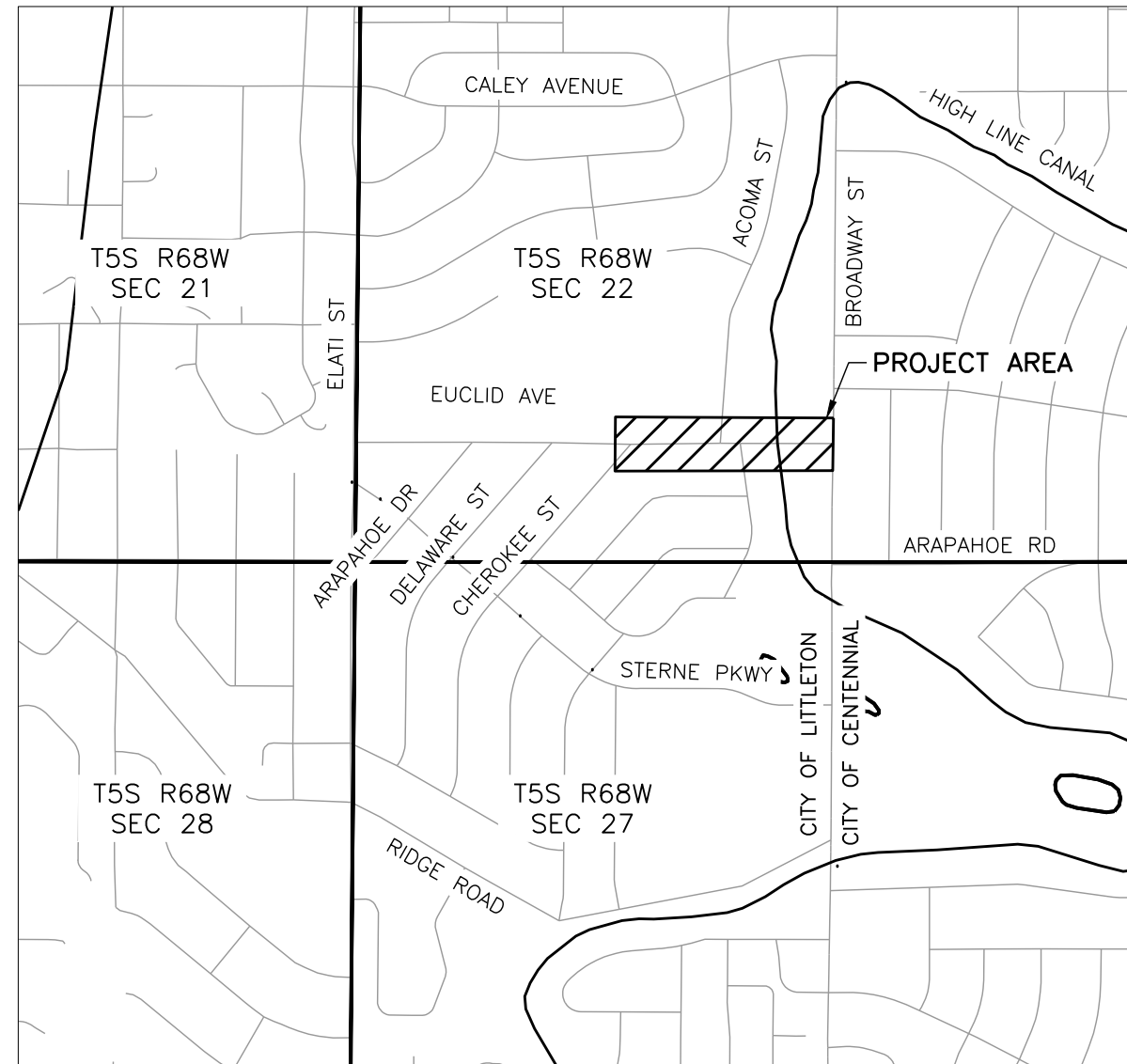
**PROPERTY OWNER CERTIFICATION:**

I HEREBY CERTIFY THAT THIS GRADING, SEDIMENT AND EROSION CONTROL PLAN FOR THE EUCLID AVE IMPROVEMENTS PROJECT – PHASE 1 IS MY RESPONSIBILITY TO IMPLEMENT AND MAINTAIN, AND I ACCEPT ALL OF THE TERMS OF THE GRADING, EROSION, AND SEDIMENT CONTROL GENERAL NOTES. I UNDER

PROPERTY OWNER PRINTED NAME \_\_\_\_\_ DATE \_\_\_\_\_

PROPERTY OWNER SIGNATURE \_\_\_\_\_

ADDRESS \_\_\_\_\_



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2	M&S STANDARDS LIST
3-4	GENERAL NOTES
5-8	SUMMARY OF APPROXIMATE QUANTITIES
9-11	TABULATION OF ROADWAY QUANTITIES
12	TOPOGRAPHIC SURVEY PLAN
13-15	TYPICAL SECTIONS
16-17	HORIZONTAL CONTROL PLANS
18-20	REMOVAL PLANS
21-26	ROADWAY PLAN AND PROFILES
27-51	ROADWAY DETAILS
52	STORM SEWER PLAN AND PROFILE
53	STORM SEWER DETAILS
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Print Date: 4/14/2026  
File Name: 1525-201872.18-CD-01-COVER.dwg  
Horizontal Scale: 1"=1000' Vertical Scale: \_\_\_\_\_

5660 Greenwood Plaza Blvd, 400N  
Greenwood Village, Colorado 80111  
(303) 771-6868

Sheet Revisions			
Date	Comments	Initials	

Public Works & Engineering  
2255 W Berry Avenue  
Littleton, Colorado 80120

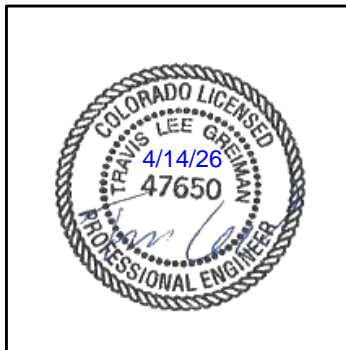
As Constructed	EUCLID AVE IMPROVEMENTS – PHASE 2 COVER SHEET	
No. Revisions:	Designer: LML	Structure Numbers
Revised:	Detailer: LML	
Void:	Sheet Subset: COVER	Subset Sheet Number: 1 of 1

Project No.
26-07
Sheet Number: 1 of 73

Y:\Colorado\1525-201872.18-Euclid\_School\Eng\_Docs\Drawings\Phase 2\1525-201872.18-CD-01-COVER.dwg - Current tab: 1 - Print Time: Tue, 14 Apr 2026 - 8:48am By: liehto Lost Save: Mon, 13 Apr 2026 - 5:49pm

Y:\Colorado\15X-205\1525-201872-18-CD-02-M&S STANDARDS.dwg - Current tab: 2 - Print Time: Tue, 14 Apr 2026 - 8:50am By: llehto Lost Save: Mon, 13 Apr 2026 - 5:45pm

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
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<input checked="" type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7	<input type="checkbox"/> M-604-10	INLET, TYPE C	65	<input type="checkbox"/> S-613-1	ROADWAY LIGHTING (6 SHEETS) (REVISED ON APRIL 3, 2025)	179-186
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MY RESPONSIBILITY WITH RESPECT TO THIS PLAN SHEET IS LIMITED TO THE SELECTION OF THE STANDARD PLANS FOR THIS PROJECT AND A DETERMINATION THAT THE SELECTION IS APPROPRIATE FOR THE PROJECT.

COLORADO DEPARTMENT OF TRANSPORTATION M&S STANDARDS PLANS LIST July 31, 2019 Revised on January 16, 2026

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 [X], AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

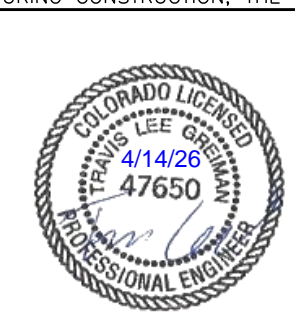
Print Date: 4/14/2026		Sheet Revisions			As Constructed		EUCLID AVE IMPROVEMENTS - PHASE 2		Project No.	
File Name: 1525-201872.18-CD-02-M&S STANDARDS.dwg							M&S STANDARDS LIST		26-07	
Horizontal Scale: Vertical Scale:		Date	Comments	Initials	No. Revisions:	Designer:	LML	Structure Numbers	Sheet Number: 2 of 73	
					Revised:	Detailer:	LML			
5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868					Void:	Sheet Subset:	M&S	Subset Sheet Number:	1 of 1	
Littleton Colorado Public Works & Engineering 2255 W Berry Avenue Littleton, Colorado 80120										


**GENERAL NOTES:**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2023 EDITION, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, THE PROJECT SPECIAL PROVISIONS, AND THE CDOT M&S STANDARDS PLANS.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE ENGINEER.
3. THE CONTRACTOR SHALL KEEP A COPY OF THE COLORADO DEPARTMENT OF TRANSPORTATION PLANS AND SPECIFICATIONS ON SITE AT ALL TIMES.
4. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS. THE ENGINEER MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED IN CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING THE WORK. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGNS ARE TO BE MADE WITHOUT PRIOR APPROVAL AND NOTIFICATION OF THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE ENGINEER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
6. ALL WORK SHALL BE CONDUCTED WITHIN THE PUBLIC RIGHT-OF-WAY WITH THE APPROPRIATE PUBLIC PERMITS ON THE JOB SITE AT ALL TIMES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH STANDARD SPECIFICATION 107.01 AND 107.02.
7. ANY FACILITIES DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S OPERATION ARE TO REMAIN, INCLUDING CURB AND GUTTER, SIDEWALK, CURB RAMP, ASPHALT CONCRETE PAVEMENT, LANDSCAPING, AND LAWN IRRIGATION, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION IMMEDIATELY AND PRIOR TO CONTINUING OTHER WORK.
8. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS NEEDED TO COMPLETE THE PROJECT. COSTS FOR OBTAINING PERMITS SHALL BE INCLUDED IN THE COST OF THE PROJECT.
9. THERE WILL BE NO STOCKPILING OR SIDE CASTING OF WASTE MATERIALS WITHIN PUBLIC RIGHT-OF-WAY, INCLUDING, BUT NOT LIMITED TO, PAINT CHIPS, CONCRETE, SOILS, TRAFFIC SIGNAL EQUIPMENT, SIGNAGE, ETC., THAT COULD POTENTIALLY RESULT FROM PROJECT ACTIVITIES. REMOVAL IS INCIDENTAL AND NOT AN ADDITIONAL COST TO THE PROJECT.
10. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPES AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS, WHERE APPROVED.
11. ANY MUD OR OTHER MATERIAL TRACKED OR OTHERWISE DEPOSITED ON THE ROADWAY SHALL BE REMOVED AS DIRECTED BY THE INSPECTOR. REMOVAL IS INCIDENTAL AND NOT AN ADDITIONAL COST TO THE PROJECT.
12. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED TO REDUCE MIGRATION OF AIR BORNE SOIL PARTICLES. THE CONTRACTOR SHALL PROVIDE WATER AS A DUST PALLIATIVE AS DIRECTED BY THE ENGINEER. WATER AS A DUST PALLIATIVE WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
13. ALL LANDSCAPING WITHIN THE PROJECT AREA THAT IS DAMAGED, NOT SPECIFIED FOR REMOVAL, OR REQUIRES RESTORATION FOLLOWING CONSTRUCTION OPERATIONS, SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR AS LANDSCAPE RESTORATION - 1 LUMP SUM. SEEDING, MULCHING, AND SOD WILL BE PAID FOR SEPARATELY.
14. WHERE IT IS REQUIRED TO CUT ROADWAY PAVEMENT, OR SIDEWALK/CURB/GUTTER, THE CUTTING SHALL BE PERFORMED TO A NEAT WORK LINE TO THE FULL DEPTH OF THE PAVEMENT WITH A PAVEMENT CUTTING SAW OR OTHER METHOD AS APPROVED BY THE PROJECT ENGINEERING. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK. ALL SAWCUT RESIDUE SHALL BE PROPERLY CONTAINED AND NOT ALLOWED TO DRAIN TO ANY LIVE TRAFFIC LANES, STORM DRAINS, OR WATER WAYS PER 101, 107, AND 208 SPECIFICATIONS.
15. THE CONTRACTOR SHALL USE AN APPROPRIATE AND APPROVED MEANS FOR THE CAPTURING AND REMOVAL OF ANY AND ALL CONCRETE WASHOUT. THE DUMPING OF THE CONCRETE WASHOUT OR WATER ONTO THE SITE OR INTO THE MATERIAL STOCKPILE WILL NOT BE ACCEPTABLE.
16. ANY REMAINING/EXCESS SOIL, CONCRETE, OR OTHER DEBRIS LEFT BY THE CONCRETE TRUCK AS IT IS BEING WASHED OUT SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED OFF-SITE INCIDENTAL TO THE PROJECT.
17. EROSION/SEDIMENT CONTROL MEASURES MUST BE IMPLEMENTED BEFORE CONSTRUCTION OPERATIONS BEGIN. ALL EROSION/SEDIMENT CONTROL BMPs SHALL BE PLACED AS NEEDED AND AS APPROVED BY THE PROJECT ENGINEER. ALL EROSION/SEDIMENT CONTROL AND STORM WATER RESPONSIBILITIES ARE AS STATED IN THE STORMWATER MANAGEMENT PLAN AND SPECIFICATIONS 101, 107, AND 208.
18. FINAL GRADING OF PAVING SHALL PROVIDE POSITIVE DRAINAGE. WATER POCKETS AND POOLING OF WATER ON THE ROADWAY, RAMPS, OR SIDEWALK WILL NOT BE ACCEPTED AND SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. A SOLUTION SHALL BE PROPOSED AND MUST BE APPROVED BY THE ENGINEER PRIOR TO CORRECTION.

**GENERAL NOTES (CONT'D):**

19. FOR PLAN QUANTITIES OF PAVEMENT MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:
  - AGGREGATE BASE COURSE @ 133 LBS/CU. FT.
  - HOT MIX ASPHALT @ 110 LBS/SY/INCH
  - TACK COAT DILUTED EMULSIFIED ASPHALT (SLOW-SETTING) @ 0.1 GAL/SY
20. A TACK COAT OF EMULSIFIED ASPHALT (SLOW-SETTING) SHALL BE APPLIED TO IMPROVE THE 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 WITH WHICH ASPHALT WILL BE PLACED
  - BETWEEN PAVEMENT COURSES WHEN DIRECTED BY THE ENGINEER
  - TACK COAT SHALL BE INCLUDED IN THE PRICE OF HOT MIX ASPHALT PAY ITEMS
21. ALL RANGE POINTS, TIES, BENCHMARKS, OR OTHER SURVEY CONTROL POINTS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION SHALL BE PRESERVED.
22. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY, RIGHT-OF-WAY, AND SECTION CORNER MONUMENTATION DURING CONSTRUCTION OPERATION UNLESS INSTRUCTED OTHERWISE. ANY MONUMENTS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE RESET BY A COLORADO LICENSED SURVEYOR AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL NOTE ALL MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION.
23. NO CONSTRUCTION VEHICLES SHALL BE IN THE TRAVELED WAY AT ANY TIME WITHOUT CONSTRUCTION TRAFFIC CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVED TRAFFIC CONTROL PLANS FROM THE CITY. TRAFFIC CONTROL SHALL FOLLOW MUTCD STANDARDS. ALL TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE CITY AND APPROVED BY THE CITY PRIOR TO THE COMMENCEMENT OF WORK.
24. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION IN CONFORMANCE WITH TRAFFIC CONTROL PLANS.
25. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AGENCY NOISE ORDINANCES AND/OR OTHER RESTRICTIONS APPLICABLE TO NIGHTTIME CONSTRUCTION ACTIVITIES FOR PROJECTS WITHIN THE LOCAL MUNICIPAL COVERAGE AREAS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR ALL NECESSARY NOISE EXEMPTIONS OR NOTICES, NOISE PERMIT VARIANCES, AND APPROVALS TO DO NIGHT WORK AS REQUIRED.
26. FOR THIS PROJECT, NIGHT WORK WILL NOT BE ALLOWED.
27. THE CONTRACTOR SHALL CONTROL FUGITIVE DUST THROUGH IMPLEMENTATION PER 107, 209, AND 250 SPECIFICATIONS AND THE AIR POLLUTION CONTROL DIVISION'S AIR POLLUTANT EMISSION NOTIFICATION (APEN) REQUIREMENTS.
28. THE FOLLOWING BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION:
  - MAINTAIN ENGINES AND EXHAUST SYSTEMS ON CONSTRUCTION EQUIPMENT AND VEHICLES IN GOOD WORKING ORDER. PROHIBIT TAMPERING WITH EQUIPMENT TO INCREASE HORSEPOWER OR DISABLING EMISSION CONTROL DEVICES. EQUIPMENT IS SUBJECT TO INSPECTION BY THE PROJECT MANAGER TO ENSURE MAINTENANCE IS CONDUCTED REGULARLY.
  - PROHIBIT UNNECESSARY IDLING OF CONSTRUCTION EQUIPMENT AND VEHICLES.
  - LOCATE STAGING AREAS AND STATIONARY CONSTRUCTION EQUIPMENT/DIESEL ENGINES AS FAR AS POSSIBLE FROM RESIDENCES AND OTHER SENSITIVE RECEPTORS. COVER, WET, COMPACT, OR USE CHEMICAL STABILIZATION TO CONTROL DUST FROM DISTURBED AREAS AND EXCAVATED MATERIALS.
29. THE CONTRACTOR SHALL ABIDE BY ALL LITTLETON CONSTRUCTION HOUR REQUIREMENTS. SHOULD WEEKEND WORK BE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING 48 HOURS IN ADVANCE. WEEKEND WORK MAY BE GRANTED BY THE CITY ON A CASE-BY-CASE BASIS.
30. THE CONTRACTOR SHALL CALL 811 FOR UTILITY LOCATIONS AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY DIGGING, NOT INCLUDING THE DAY OF ACTUAL CONTACT.
31. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN THE WORK AREA BEFORE COMMENCING WORK AND SHALL BE RESPONSIBLE FOR ANY DAMAGES THERE TO. IF UNDERGROUND UTILITIES ARE EXPOSED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE FACILITY TO ALLOW INSPECTION OF THE FACILITY FOR DAMAGE.
32. ACCESS TO EUCLID MIDDLE SCHOOL SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED FOLLOWING CONSTRUCTION.
33. THE CONTRACTOR SHALL PERFORM FINISH GRADE (BLUE TOP) SURVEY OF ROADWAY SUBGRADE AND BASE COURSE FOR ACCEPTANCE PRIOR TO ANY PAVING ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING 48 HOURS PRIOR TO PAVING ACTIVITIES FOR INSPECTIONS AND ACCEPTANCE OF BLUE TOP SURVEY.
34. THE QUANTITIES FOR HOT MIX ASPHALT AND AGGREGATE BASE COURSE SHALL BE PAID ACCORDING TO THE PLAN QUANTITIES, AS SHOWN IN THE SUMMARY OF APPROXIMATE QUANTITIES (SOAQ). ANY OVERAGES SHALL BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER PRIOR TO PLACEMENT.



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Revised:	Designer: LML	Structure Numbers	
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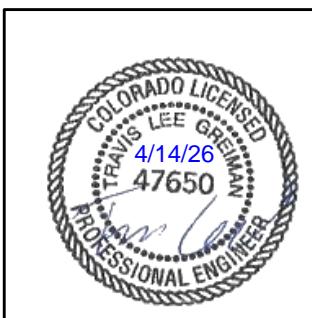
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**GRADING, EROSION, AND SEDIMENT CONTROL GENERAL NOTES:**

1. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE IS RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS AND THE INSTALLATION AND MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION AND SEDIMENT CONTROL, EVEN IF SPECIFIC TASKS MAY BE DESIGNATED TO OTHERS.
2. FOR ALL SITES DISTURBING ONE (1) OR MORE ACRES, THE STATE OF COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) REQUIRES A "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY" PERMIT. A COPY OF THAT ISSUES PERMIT SHALL BE SUBMITTED TO THE ENGINEERING DIVISION PRIOR TO THE ISSUANCE OF A LOCAL CITY PERMIT.
3. ALL BMPS SHOWN ON THE GRADING, EROSION, AND SEDIMENT (GESC) PLANS SHALL BE INSTALLED PROPERLY AND INSPECTED BY A CITY REPRESENTATIVE PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY ON THE SITE THAT DISTURBS THE GROUND. BMPS SHALL BE INSPECTED, CLEANED, AND MAINTAINED BY THE PROPERTY OWNER OR DESIGNEE AS NEEDED DURING CONSTRUCTION.
4. ISSUANCE OF A GRADING OR BUILDING PERMIT WITH AN APPROVED GESC PLAN PROVIDES AUTHORIZATION FOR THE CITY TO ENTER THE PREMISES FOR PURPOSES OF INSPECTION AND COMPLIANCE WITH THE APPROVED PLANS, PROVISIONS OF MUNICIPAL CODE TITLE 7, CHAPTER 7, AND THE CITY'S STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA.
5. THE CITY MAY REQUIRE THAT THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE PROVIDE ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES, SHOULD WATER OR WIND EROSION PROBLEMS OCCUR OR SHOULD THE IMPLEMENTED GESC PLAN AND BMPS NOT FUNCTION ADEQUATELY OR AS INTENDED.
6. INSPECTIONS AND NEEDED MAINTENANCE OF BMPS ARE REQUIRED A MINIMUM OF EVERY 14 DAYS AND AFTER STORM EVENTS, OR ALTERNATIVELY EVERY SEVEN (7) DAYS. THE CITY RESERVES THE RIGHT TO REQUIRE THE OPERATOR TO SUBMIT COPIES OF INSPECTION REPORTS OR OTHER STORMWATER MANAGEMENT DOCUMENTS AT ANY TIME.
7. GESC PLANS SHALL ACCOMMODATE CONSTRUCTION PHASING, INCLUDING CLEARING AND GRUBBING, UTILITIES, ROADS, VERTICAL CONSTRUCTION, FINAL GRADING, AND STABILIZATION, AND SHALL HAVE REDUNDANT DOWNSLOPE BMPS IN PLACE TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL DURING ALL PHASES.
8. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND FIELD UPDATES/CHANGES TO THE GESC PLAN THAT INCLUDES THE PLAN VIEW LAYOUT AND INSTALLATION DETAILS OF APPROPRIATE CONTROL MEASURES AND MAINTENANCE PROCEDURE.
9. IF THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE FAILS TO IMPLEMENT ANY OF THE PROVISIONS OF THE SWMP AND IGNORES THE CITY'S VERBAL OR WRITTEN REQUEST FOR IMMEDIATE REMEDY, THE CITY MAY MAKE ARRANGEMENTS TO HIRE A PRIVATE PROPERTY OWNER OR DESIGNEE TO PERFORM MAINTENANCE, INSTALLATION OR REPLACEMENT OF BMPS, OR CLEAN THE PUBLIC WAYS. CHARGES FOR SERVICES SHALL BE SENT TO THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE FOR PAYMENT. ENFORCEMENT PROCEDURES ARE OUTLINED IN LITTLETON MUNICIPAL CODE 7-7-12.
10. THE CITY MAY ISSUES A "STOP WORK" ORDER TO STOP ANY PERMITTED SITE CONSTRUCTION WORK FROM PROCEEDING UNTIL THE BMPS PROVIDED ON THE GESC PLANS ARE INSTALLED, IMPLEMENTED AS INTENDED, MAINTAINED, OR UNTIL CORRECTIVE MEASURES ARE TAKEN AND ANY NECESSARY CLEANUP IS PERFORMED. THE OWNER BEARS ALL COSTS ASSOCIATED WITH ANY DELAYS IN THE PROJECT.
11. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL NOT UTILIZE THE PUBLIC STREET AS A STAGING AREA FOR THE TEMPORARY STORAGE OF BUILDING MATERIALS, EXCAVATED MATERIALS, OR CONSTRUCTION EQUIPMENT, EXCEPT AS APPROVED BY THE CITY. USE OF OFFSITE PRIVATE PROPERTY FOR STAGING MAY BE SUBJECT TO REVIEW BY THE COMMUNITY DEVELOPMENT DEPARTMENT.
12. A CONSTRUCTION DEWATERING DISCHARGE PERMIT SHALL BE OBTAINED FROM CDPHE PRIOR TO PUMPING ANY SURFACE OR SUB-SURFACE WATER INTO ANY CITY PUBLIC WAY OR STORM DRAINAGE SYSTEM. ADEQUATE SEDIMENT CONTROL BMPS SHALL BE REQUIRED AT THE PUMP'S INLET AND OUTLET.
13. ALL SOIL AREAS DISTURBED SHALL BE GRADED, SEEDED, AND MULCHED OR OTHERWISE VEGETATED OR COVERED TO STABILIZE THE GROUND SURFACE WITHIN 14 DAYS OF COMPLETION OF GRADING OPERATIONS. THE CITY SHALL APPROVE THE SEED MIX AND RATE OF APPLICATION PRIOR TO SEEDING THE AREA. IF DISTURBED SOIL AREAS ARE TO BE LEFT DORMANT FOR OVER 14 DAYS, A TEMPORARY STABILIZING COVER IS REQUIRED (THE METHOD TO BE APPROVED BY THE CITY). THE WEEDS ARE NOT AN ACCEPTABLE TEMPORARY OR PERMANENT STABILIZATION COVER.
14. BMPS SHALL REMAIN IN-PLACE AND OPERATIONAL UNTIL ALL SITE PAVING, PERMANENT LANDSCAPING, OR ADEQUATE VEGETATIVE COVER ESTABLISHMENT IS COMPLETED. ADEQUATE VEGETATION COVER IS DEFINED AS A UNIFORM VEGETATIVE COVER WITH A PLANT DENSITY (STEM OR STALKS) OF AT LEAST 70% OF THE PRE-DISTURBANCE CONDITION. TEMPORARY IRRIGATION MAY BE NECESSARY TO ESTABLISH PLANT GROWTH. ADEQUATE VEGETATIVE COVER WILL BE DETERMINED BY CITY STAFF WITH AN ON-SITE INSPECTION PRIOR TO ANY PERMIT RELEASE INCLUDING TERMINATION OF A CDPHE STORMWATER PERMIT.
15. AFTER THE SITE HAS BEEN STABILIZED AS DETERMINED BY CITY STAFF, THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL REMOVE ALL BMPS AND CLEAN UP ANY STORM SEWERS WHERE CONSTRUCTION SEDIMENT MAY HAVE DEPOSITED.

**ASBESTOS ABATEMENT GENERAL NOTES:**

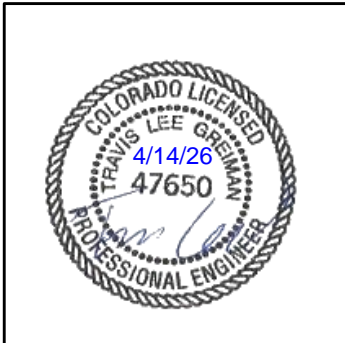
1. THERE MAY BE UTILITIES WITHIN THE PROJECT'S LIMITS THAT HAVE ASBESTOS CONTAINING MATERIALS. THE STRUCTURES AND COMPONENTS TO BE DISTURBED MUST BE INSPECTED FOR ASBESTOS BY A STATE-CERTIFIED ASBESTOS INSPECTOR.
2. IF THE AMOUNT OF ASBESTOS-CONTAINING MATERIAL TO BE DISTURBED EXCEEDS THE FOLLOWING TRIGGER LEVELS, AN ABATEMENT CONTRACTOR MUST REMOVE THE MATERIAL.  
 -THE TRIGGER LEVELS ARE 260 LINEAR FEET ON PIPES, 160 SQUARE FEET ON OTHER SURFACES, OR THE VOLUME EQUIVALENT OF A 55-GALLON DRUM.
3. A CERTIFIED REMOVAL CONTRACTOR (GENERAL ABATEMENT CONTRACTOR) MUST REMOVE ASBESTOS-CONTAINING MATERIALS THAT ARE REGULATED OR MAY BECOME REGULATED BEFORE THEY ARE DISTURBED BY RENOVATION OR DEMOLITION ACTIVITIES. CONTACT CDPHE OR GO TO THE FOLLOWING WEB SITE FOR A CURRENT LIST OF GENERAL ABATEMENT CONTRACTORS:  
[WWW.CDPHE.STATE.CO.US/AP/ASBESHOM.ASP](http://WWW.CDPHE.STATE.CO.US/AP/ASBESHOM.ASP)
4. A WRITTEN NOTIFICATION TO CDPHE, PAYMENT OF A NOTIFICATION FEE AND TEN (10) WORKING DAYS WAITING PERIOD IS REQUIRED BEFORE THE REMOVAL (ABATEMENT) OF REGULATED ASBESTOS CONTAINING MATERIALS.
5. REGULATED ASBESTOS-CONTAINING WASTE MATERIAL MUST BE DISPOSED OF AT AN APPROVED ASBESTOS WASTE DISPOSAL SITE.



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5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868				Void:	Detailer: LML		Sheet Number: 4 of 73	
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CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY/TRAFFIC		DRAINAGE		UTILITIES		PROJECT TOTALS	
			PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
202-00010	REMOVAL OF TREE	EA	1						1	
202-00018	REMOVAL OF CHASE DRAIN	EA	1						1	
202-00090	REMOVAL OF DELINEATOR	EA	10						10	
202-00190	REMOVAL OF CONCRETE MEDIAN COVER MAT	SY	28						28	
202-00195	REMOVAL OF MEDIAN COVER	SY	25						25	
202-00200	REMOVAL OF SIDEWALK	SY	287						287	
202-00202	REMOVAL OF GUTTER	LF	65						65	
202-00203	REMOVAL OF CURB AND GUTTER	LF	836						836	
202-00204	REMOVAL OF CURB, GUTTER AND SIDEWALK	LF	1681						1681	
202-00206	REMOVAL OF CONCRETE CURB RAMP	SY	162						162	
202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	236						236	
202-00220	REMOVAL OF ASPHALT MAT	SY	5439						5439	
202-00226	REMOVAL OF ASPHALT MAT (SPECIAL)	SY	85						85	
202-00810	REMOVAL OF GROUND SIGN	EA	13						13	
202-00821	REMOVAL OF SIGN PANEL	EA	5						5	
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	2297						2297	
206-00065	STRUCTURE BACKFILL (FLOW-FILL)	CY	50						50	
206-00510	FILTER MATERIAL (CLASS A)	CY			2				2	
207-00205	TOPSOIL	CY	50						50	
208-00008	EROSION LOG TYPE 2 (12 INCH)	LF	691						691	



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**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 SUMMARY OF APPROXIMATE QUANTITIES

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Detailer:	LML		
Sheet Subset:	SOAQ	Subset Sheet Number:	1 of 4

**Project No.**  
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CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY/TRAFFIC		DRAINAGE		UTILITIES		PROJECT TOTALS	
			PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
208-00035	AGGREGATE BAG	LF	78						78	
208-00046	PREFABRICATED CONCRETE WASHOUT STRUCTURE	EA	1						1	
208-00054	STORM DRAIN INLET PROTECTION (TYPE II)	EA	2						2	
208-00075	PREFABRICATED VEHICLE TRACKING PAD	EA	1						1	
208-00200	EROSION CONTROL MANAGEMENT	LS	1						1	
210-00067	RESET MONUMENT (TYPE 5)	EA	3						3	
210-00810	RESET GROUND SIGN	EA	4						4	
210-04010	ADJUST MANHOLE	EA					3		3	
210-04050	ADJUST VALVE BOX	EA					9		9	
212-01200	LANDSCAPE RESTORATION	LS	1						1	
216-00201	EROSION RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS 1)	SY	81						81	
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	1600						1600	
403-00721	HOT MIX ASPHALT (PATCHING) (ASPHALT)	SY	64						64	
403-33741	HOT MIX ASPHALT (GRADING S) (75) (PG 64-22)	TON	587						587	
403-34741	HOT MIX ASPHALT (GRADING SX) (75) (PG 64-22)	TON	597						597	
412-00300	CONCRETE PAVEMENT	SY	48						48	
412-00600	CONCRETE PAVEMENT (6 INCH)	SY	556						556	
412-01000	CONCRETE PAVEMENT (10 INCH)	SY	54						54	
412-01001	CONCRETE PAVEMENT (10 INCH) (SPECIAL)	SY	27						27	
503-00018	DRILLED SHAFT 18 INCH	LF	12						12	



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 File Name: 1525-201872.18-CD-04-SOAQ.dwg  
 Horizontal Scale: Vertical Scale:  
 5660 Greenwood Plaza Blvd, 400N  
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 (303) 771-6868

Sheet Revisions			
Date	Comments	Initials	

Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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Revised:
Void:

**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 SUMMARY OF APPROXIMATE QUANTITIES

Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	SOAQ	Subset Sheet Number:	2 of 4


**Project No.**  
 26-07

**Sheet Number:** 6 of 73

Y:\Colorado\1525-201872.18\_Eucidd\_School\Eng\_Docs\Drawings\Phase 2\1525-201872.18-CD-04-SOAQ.dwg - Current tab: 7 - Print Time: Tue, 14 Apr 2026 - 8:51am By: llehlo Lost Save: Mon, 13 Apr 2026 - 5:48pm

CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	ROADWAY/TRAFFIC		DRAINAGE		UTILITIES		PROJECT TOTALS	
			PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
506-00409	SOIL RIPRAP (9 INCH)	CY			4				4	
603-01180	18 INCH REINFORCED CONCRETE PIPE	LF			54				54	
603-05018	18 INCH REINFORCED CONCRETE END SECTION	EA			1				1	
604-16550	INLET TYPE 16 (DOUBLE) (SPECIAL)	EA			2				2	
608-00000	CONCRETE SIDEWALK	SY	2188						2188	
608-00010	CONCRETE CURB RAMP	SY	389						389	
608-10010	SIDEWALK DRAIN	EA	1						1	
609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	2444						2444	
609-24006	GUTTER TYPE 2 (6 FOOT)	LF	40						40	
614-00011	SIGN PANEL (CLASS I)	SF	18						18	
614-00012	SIGN PANEL (CLASS II)	SF	54						54	
614-00217	STEEL SIGN POST (2x2 INCH TELESPAR TUBING)	LF	88						88	
614-72860	PEDESTRIAN PUSH BUTTON	EA	2						2	
614-80003	RECTANGULAR RAPID FLASHING BEACON	EA	2						2	
614-84000	TRAFFIC SIGNAL PEDESTRIAN POLE STEEL	EA	2						2	
625-00000	CONSTRUCTION SURVEYING	LS	1						1	
626-00000	MOBILIZATION	LS	1						1	
627-00008	MODIFIED EPOXY PAVEMENT MARKING	GAL	10						10	
627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	SF	120						120	
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)	SF	700						700	



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EUCLID AVE IMPROVEMENTS - PHASE 2 SUMMARY OF APPROXIMATE QUANTITIES			
Designer:	LML	Structure	
Detailer:	LML	Numbers	
Sheet Subset:	SOAQ	Subset Sheet Number:	3 of 4

Project No.
26-07
Sheet Number: 7 of 73



Y:\Colorado\1525-201872.18-Eucild\_School\Eng\_Docs\Drawings\Phase 2\1525-201872.18-CD-05-ROADWAY TABS.dwg - Current tab: 9 - Print Time: Tue, 14 Apr 2026 - 8:51am By: llehto Last Save: Mon, 13 Apr 2026 - 5:47pm

REMOVAL QUANTITIES														
LOCATION	SIDE	202-00010	202-00018	202-00090	202-00190	202-00195	202-00200	202-00202	202-00203	202-00204	202-00206	202-00210	202-00220	202-00226
		REMOVAL OF TREE	REMOVAL OF CHASE DRAIN	REMOVAL OF DELINEATOR	REMOVAL OF CONCRETE MED COVER MAT	REMOVAL OF MED COVER	REMOVAL OF SIDEWALK	REMOVAL OF GUTTER	REMOVAL OF CURB AND GUTTER	REMOVAL OF CURB, GUTTER AND SIDEWALK	REMOVAL OF CONCRETE CURB RAMP	REMOVAL OF CONCRETE PAVEMENT	REMOVAL OF ASPHALT MAT	REMOVAL OF ASPHALT MAT (SPECIAL)
		EA	EA	EA	SY	SY	SY	LF	LF	LF	SY	SY	SY	SY
14+33 TO 14+73	RT								52	60				
14+33 TO 20+14	LT					25	31		31	522	45	27	3174	85
15+02 TO 21+35	RT						6			687	16	110	559	
20+14 TO 20+49	LT							32						
20+49 TO 26+25	LT	1		5			139		333	224	55	45	1675	
20+73 TO 21+06	LT				8				60		3			
20+73 TO 21+06	RT				20				66		6			
21+35 TO 21+70	RT							33						
21+70 TO 26+24	RT		1	5			111		294	188	37	54	31	
<b>TOTAL</b>		<b>1</b>	<b>1</b>	<b>10</b>	<b>28</b>	<b>25</b>	<b>287</b>	<b>65</b>	<b>836</b>	<b>1681</b>	<b>162</b>	<b>236</b>	<b>5439</b>	<b>85</b>

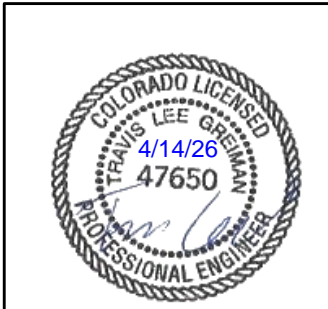
**REMOVAL NOTES:**

- SAWCUTTING SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT AND CONCRETE PAVEMENT.
- THE REMOVAL OF EXISTING SPEED HUMPS IS QUANTIFIED UNDER THE REMOVAL OF ASPHALT MAT (SPECIAL).

DRAINAGE QUANTITIES							
LOCATION	REF. NO.	206-00510	506-00409	603-01180	603-05018	604-16550	MEASURED HEIGHT (H)
		FILTER MATERIAL (CLASS A)	SOIL RIPRAP (9 INCH)	18 INCH REINFORCED CONCRETE PIPE	18 INCH REINFORCED CONCRETE END SECTION	INLET TYPE 16 (DOUBLE) (SPECIAL)	
		CY	CY	LF	EA	EA	
HIGH LINE CANAL	INLET 01					1	6.5
				20			
	INLET 02					1	7.1
				34			
	CONCRETE FES 01				1		
<b>TOTAL</b>		<b>2</b>	<b>4</b>	<b>54</b>	<b>1</b>	<b>2</b>	<b>-</b>

**DRAINAGE NOTES:**

- EXCAVATION AND BACKFILL FOR PIPES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PIPE.



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File Name: 1525-201872.18-CD-05-ROADWAY TABS.dwg		Date	Comments	Initials		No. Revisions:	TABULATION OF ROADWAY QUANTITIES			26-07		
Horizontal Scale: Vertical Scale:						Revised:	Designer: LML	Structure Numbers				
5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868					Void:	Detailer: LML	Subset Sheet Number: 1 of 3	Sheet Number: 9 of 73				

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ROADWAY QUANTITIES										
LOCATION	SIDE	210-00067	210-04010	210-04050	412-00300	608-00000	608-00010	608-10010	609-21020	609-24006
		RESET MONUMENT (TYPE 5)	ADJUST MANHOLE	ADJUST VALVE BOX	CONCRETE PAVEMENT	CONCRETE SIDEWALK	CONCRETE CURB RAMP	SIDEWALK DRAIN	CURB AND GUTTER TYPE 2 (SECTION II-B)	GUTTER TYPE 2 (6 FOOT)
		EA	EA	EA	SY	SY	SY	EA	LF	LF
14+33 TO 14+73	RT					99	29		95	
14+33 TO 20+14	LT					715	100		582	
15+02 TO 21+35	RT					361	52		697	
15+39	RT			1						
15+52	RT			1						
15+55	RT			1						
15+87	LT			1						
16+69	RT		1							
19+98 TO 20+65	LT				23					20
20+02	LT	1								
20+36	LT			1						
20+37	LT			1						
20+41	RT		1							
20+47	RT		1							
20+47	LT			1						
20+49 TO 26+21	LT					605	160		552	
20+52	LT	1								
21+10 TO 21+75	RT				25					20
21+47	RT			1						
21+70 TO 26+20	RT					408	48	1	518	
23+48	RT	1								
26+14	RT			1						
<b>TOTALS</b>		<b>3</b>	<b>3</b>	<b>9</b>	<b>48</b>	<b>2188</b>	<b>389</b>	<b>1</b>	<b>2444</b>	<b>40</b>

**ROADWAY NOTES:**

1. CONCRETE PAVEMENT SHALL BE POURED MONOLITHICALLY WITH CURB AND GUTTER AND SHALL BE AT LEAST 6" THICK OR HAVE THE SAME THICKNESS AS PAVEMENT SECTION 1 (AS DISPLAYED IN THE TYPICAL SECTIONS)



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File Name: 1525-201872.18-CD-05-ROADWAY TABS.dwg		Date	Comments	Initials		No. Revisions:	TABULATION OF ROADWAY QUANTITIES			26-07		
Horizontal Scale: Vertical Scale:						Revised:	Designer: LML	Structure Numbers				
<p>5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868</p>				Void:	Detailer: LML	Sheet Subset: RDWY TABS	Subset Sheet Number: 2 of 3	Sheet Number: 10 of 73				

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PAVEMENT QUANTITIES								
LOCATION	SIDE	304-06007	403-00721	403-33741	403-34741	412-00600	412-01000	412-01001
		AGGREGATE BASE COURSE (CLASS 6)	HMA (PATCHING)	HMA (GRADING S) (75) (PG 64-22)	HMA (GRADING SX) (75) (PG 64-22)	CONCRETE PAVEMENT (6 INCH)	CONCRETE PAVEMENT (10 INCH) (SPECIAL)	CONCRETE PAVEMENT (10 INCH) (SPECIAL)
		CY	SY	TON	TON	SY	SY	SY
14+33 TO 26+25	RT/LT	1221		587	587			
14+33 TO 14+71	RT	17						
14+33 TO 20+10	LT	120						
15+05 TO 21+31	RT	58						
20+52 TO 26+16	LT	101						
21+72 TO 26+15	RT	69						
6602 S CHEROKEE ST	-					59		
301 W EUCLID AVE	-		13			44		
6602 S CHEROKEE ST	-					20		
282 W EUCLID AVE	-					36		
252 W EUCLID AVE	-					47		
222 W EUCLID AVE	-					17		
220 W EUCLID AVE	-					60		
6605 S ACOMA ST	-					39		
6608 S ACOMA ST	-					33		
6658 S ACOMA ST	-		12			58		
6639 S BROADWAY	-		9			34		
6599 S BROADWAY	-		7			58		
6607 S BROADWAY	-		23			51		
16+53 TO 16+65	RT/LT				5			
19+03 TO 19+15	RT/LT				5			
22+94 TO 23+24	RT/LT	14					54	27
<b>TOTAL</b>		<b>1600</b>	<b>64</b>	<b>587</b>	<b>597</b>	<b>556</b>	<b>54</b>	<b>27</b>

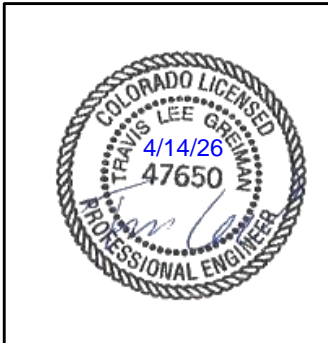
**PAVEMENT NOTES:**

1. THE ASPHALT MATERIAL FOR SPEED CUSHIONS IS QUANTIFIED UNDER HMA (GRADING SX) (75) (PG 64-22).

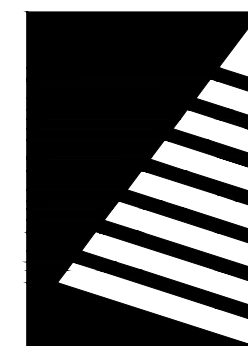
EARTHWORK QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	2,297
207-00205	TOPSOIL	CY	50
FOR INFORMATION ONLY			
	EMBANKMENT MATERIAL	CY	-107
	EMBANKMENT X FACTOR (1.15)	CY	-123
	EXCAVATION (ROADWAY)	CY	2,297
	EXCESS FOR DISPOSAL	CY	2,174

**EARTHWORK NOTES:**

1. THE QUANTITY FOR UNCLASSIFIED EXCAVATION REPRESENTS A COMPARISON BETWEEN THE EXISTING GROUND AND THE BOTTOM OF THE PROPOSED TYPICAL SECTION (E.G., PAVEMENT SECTION 1, CURB AND GUTTER, SIDEWALK, ETC.). THE REMOVAL OF ASPHALT MAT IS A SEPARATE QUANTITY (LISTED UNDER THE REMOVAL QUANTITIES ON SHEET 9), AND THE ASSOCIATED VOLUME OF EXISTING ASPHALT MAT IS NOT INCLUDED IN THE UNCLASSIFIED EXCAVATION QUANTITY.
2. HAULING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
3. THERE IS NO DESIGNATED BORROW SITE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE EMBANKMENT BORROW SITE.
4. TOPSOIL WILL BE REQUIRED TO A DEPTH OF 6 INCHES ON AREAS WHERE SEED AND SOD WILL BE ADDED. EXISTING TOPSOIL WITHIN THE LIMITS OF DISTURBANCE MAY BE STRIPPED AND REUSED. STRIPPING AND STOCKPILING EXISTING TOPSOIL WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
5. ON-SITE EXCAVATED MATERIAL MAY NOT BE SUITABLE FOR REUSE ON THE PROJECT. NATIVE MATERIAL SHALL BE TESTED BY THE CONTRACTOR TO CHECK IF IT MEETS THE EMBANKMENT MATERIAL SPECIFICATIONS.
6. THE EMBANKMENT COMPACTION FACTOR IS AN ESTIMATE AND HAS NOT BEEN VERIFIED.
7. THE EXCAVATION QUANTITY IS APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
8. EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
9. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. THE COST FOR THE DUST PALLIATIVE SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF WORK.



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File Name: 1525-201872.18-CD-05-ROADWAY TABS.dwg		Date	Comments	Initials		No. Revisions:	TABULATION OF ROADWAY QUANTITIES		26-07		
Horizontal Scale:      Vertical Scale:						Revised:	Designer: LML	Structure Numbers	3 of 3		
5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868				Void:	Detailer: LML	Subset Sheet Number:	Sheet Number: 11 of 73				

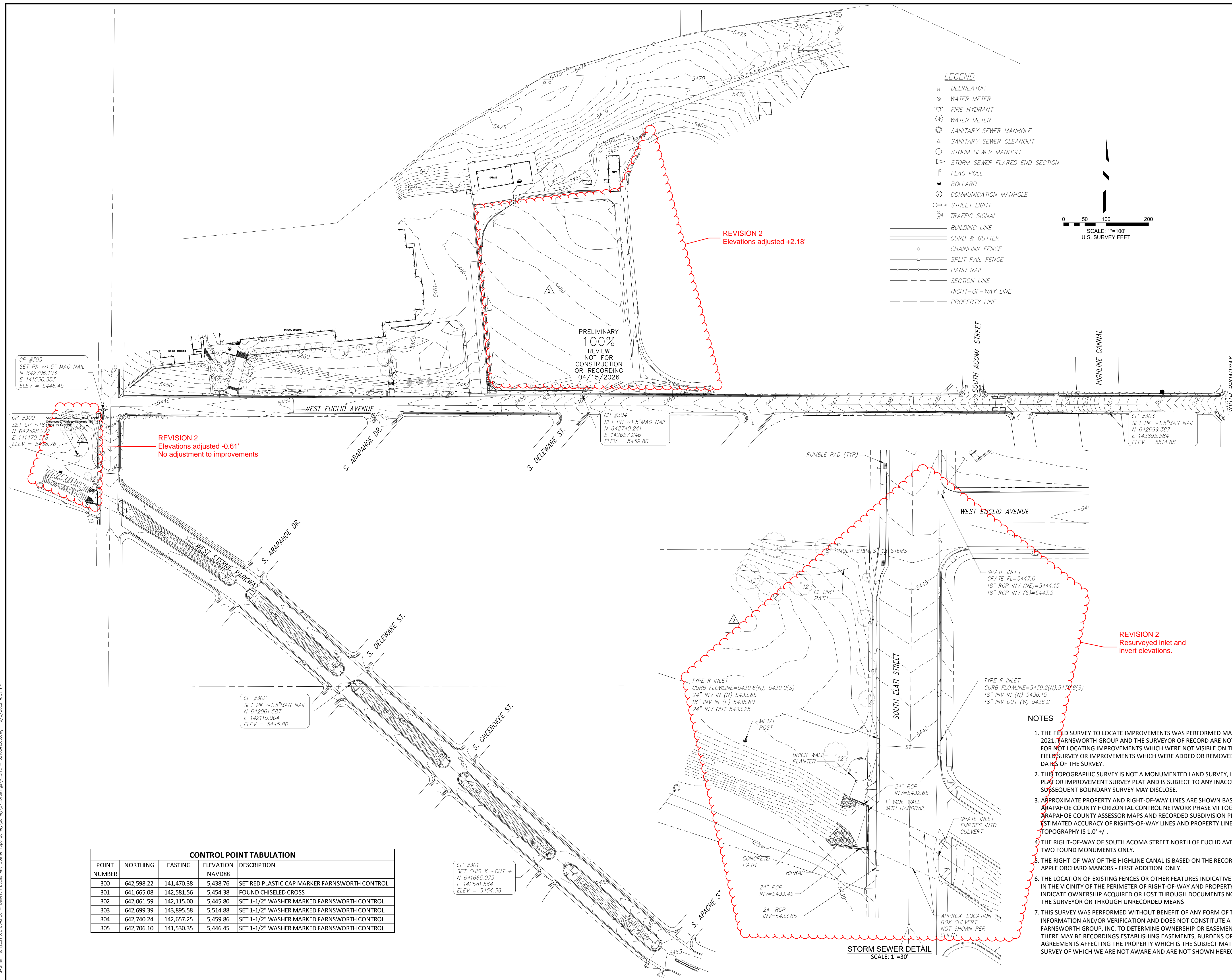


# Farnsworth GROUP

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Engineers | Architects | Surveyors | Scientists

ISSUE:	DATE:	DESCRIPTION:
#	08/03/2022	ADDED RIGHTS-OF-WAY
2	10/05/2022	CORRECTED SURVEY DATA



PROJECT:  
BENESCH

## EUCLID & STERNE TOPOGRAPHIC SURVEY

SW 1/4, SEC. 21 & NW 1/4, SEC. 27  
T. 5 S., R. 68 W., 6TH P.M.  
LITTLETON, CO.

DATE: 05/13/2022

DESIGNED:

DRAWN: JN

REVIEWED: CAB

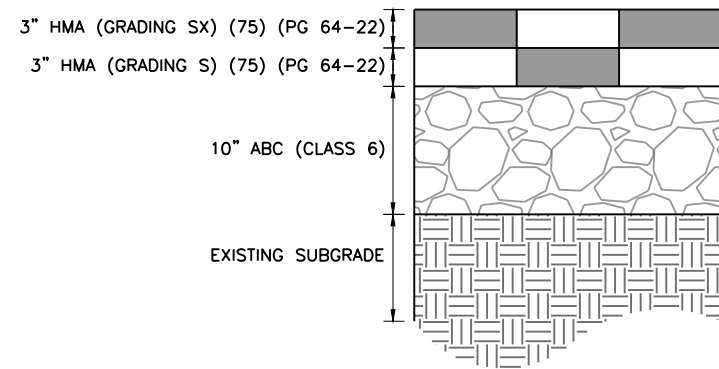
FIELD BOOK NO.: 2491 & 2503

SHEET TITLE:

## TOPOGRAPHIC SURVEY

SHEET NUMBER:

Y:\Colorado\15X-205\1525-201872.18-Euclid\_School\Eng\_Docs\Drawings\Phase 2\1525-201872.18-CD-07-TYPICAL SECTIONS.dwg - Current tab: 13 - Print Time: Tue, 14 Apr 2026 - 8:53am By: llehto Last Save: Mon, 13 Apr 2026 - 5:48pm



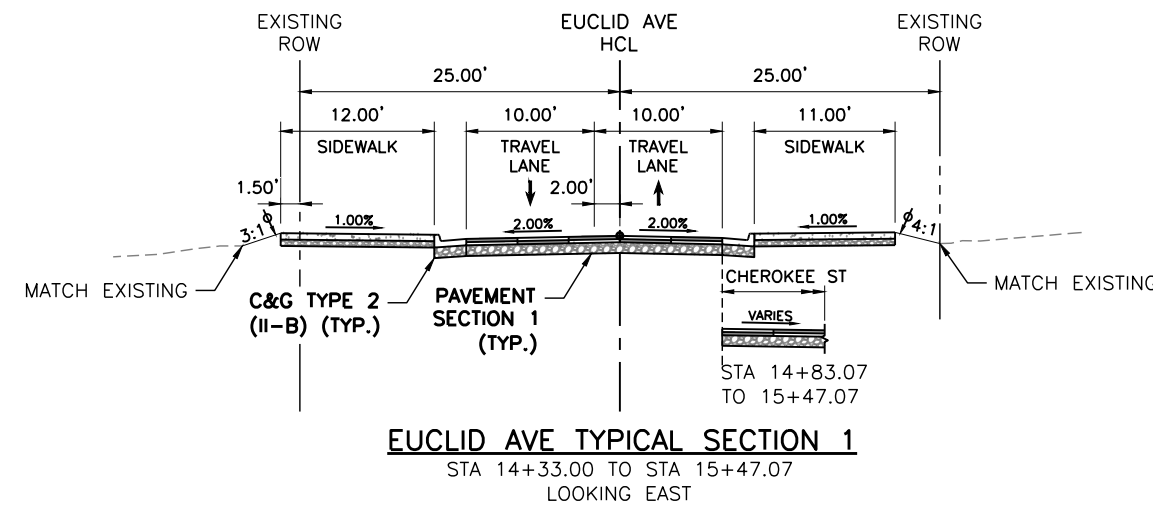
**PAVEMENT SECTION 1**  
HOT MIX ASPHALT

**LEGEND:**

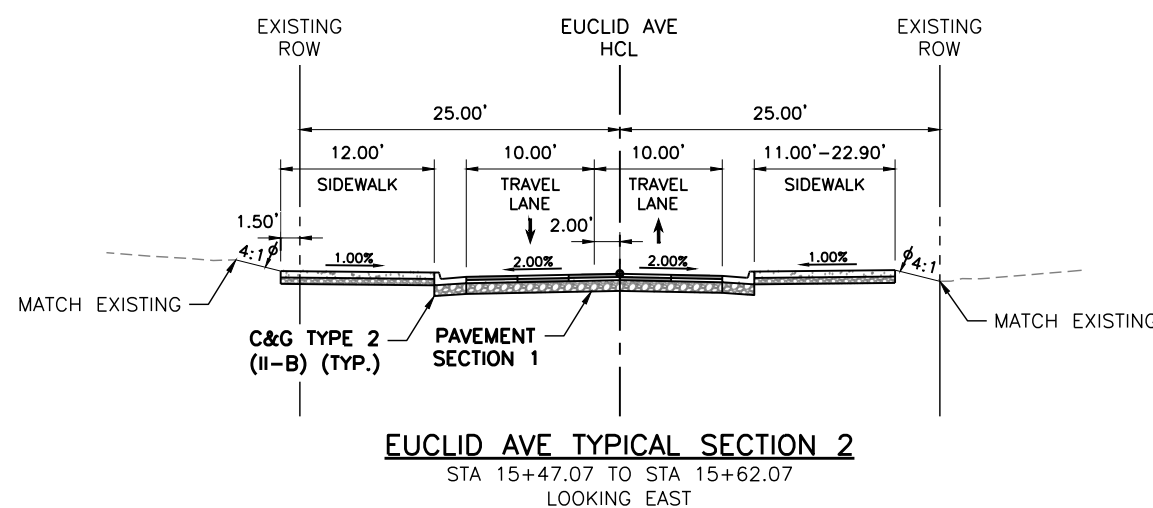
- ⌀ STABILIZE AND REVEGETATE TO THIS LINE WITH 6" OF TOPSOIL UNLESS OTHERWISE DIRECTED
- PROFILE GRADE LINE

**NOTES:**

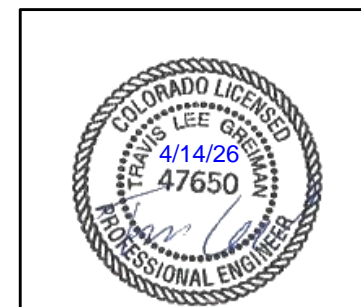
1. TYPICAL SECTIONS PROVIDE CROSS SECTIONAL ELEMENTS, DEPTHS, WIDTHS, MATERIAL AND APPROXIMATE SLOPES OVER VARYING STATION RANGES. DIMENSION SHOWN ARE TYPICAL. SAWCUT LOCATIONS, CROSS SLOPES, ROADWAY LANE WIDTHS, AND SIDEWALK WIDTH VARY AT SOME LOCATIONS. FOR ADDITIONAL INFORMATION, REFER TO THE ROADWAY PLAN AND PROFILES, ROADWAY DETAILS, AND SIGNING AND STRIPING PLANS.



**EUCLID AVE TYPICAL SECTION 1**  
STA 14+33.00 TO STA 15+47.07  
LOOKING EAST



**EUCLID AVE TYPICAL SECTION 2**  
STA 15+47.07 TO STA 15+62.07  
LOOKING EAST



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Sheet Revisions			
Date	Comments	Initials	

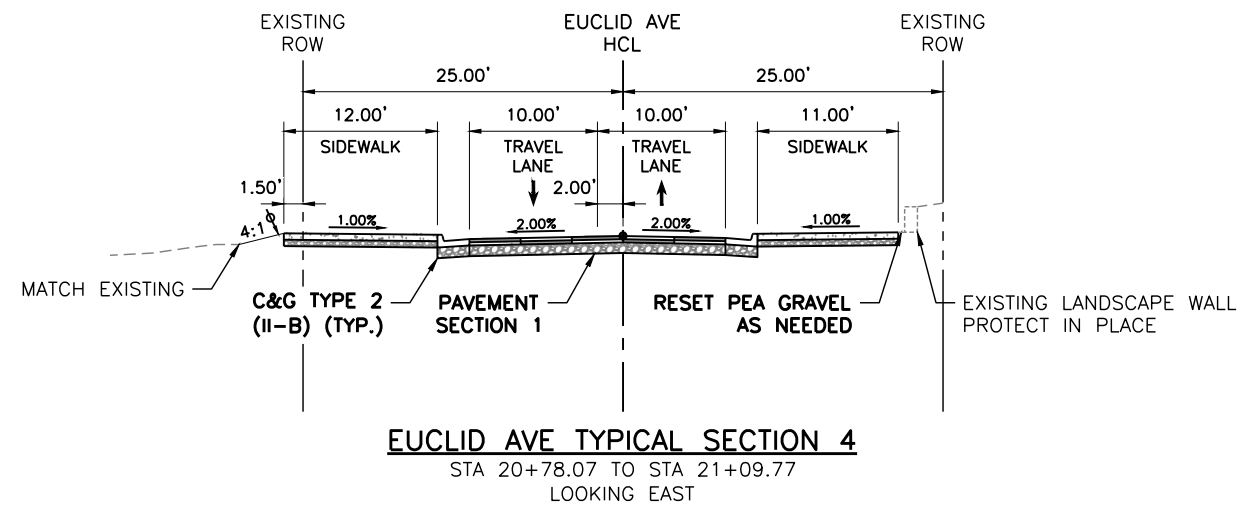
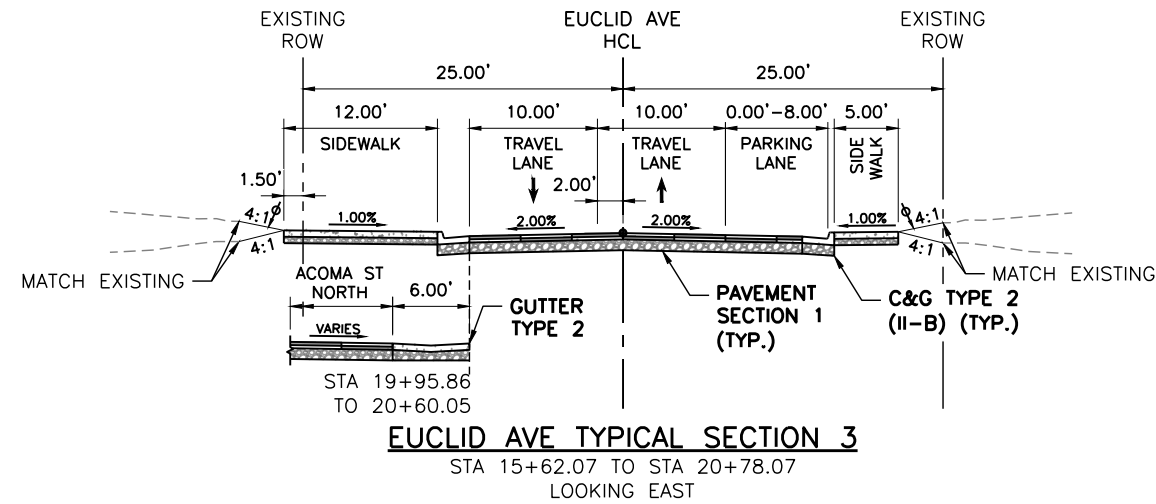
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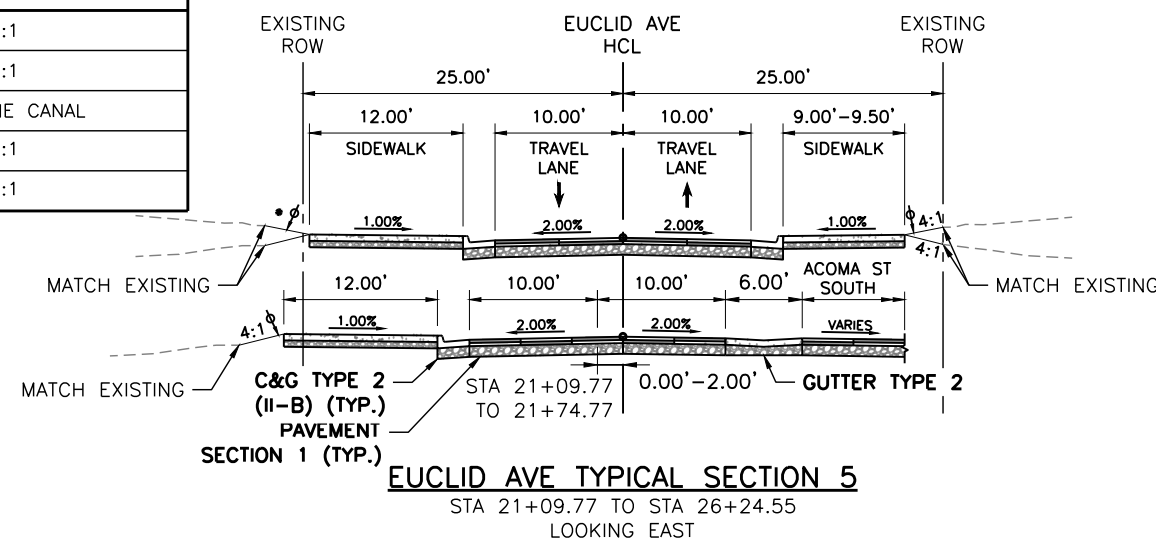
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TYPICAL SECTIONS			
Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	TYPICALS	Subset Sheet Number:	1 of 3

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*LT GRADING TABLE	
STA 21+09.77 TO STA 23+20.00	4:1
STA 23+20.00 TO STA 23+46.00	3:1
STA 23+46.00 TO STA 23+68.00	HIGH LINE CANAL
STA 23+68.00 TO STA 24+10.00	3:1
STA 24+10.00 TO STA 26+24.55	4:1

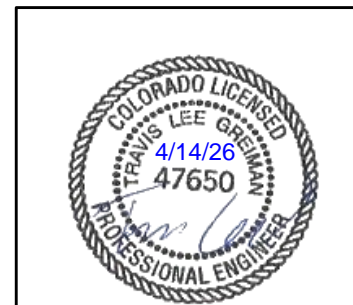


**LEGEND:**

- ⊕ STABILIZE AND REVEGETATE TO THIS LINE WITH 6" OF TOPSOIL UNLESS OTHERWISE DIRECTED
- PROFILE GRADE LINE

**NOTES:**

1. TYPICAL SECTIONS PROVIDE CROSS SECTIONAL ELEMENTS, DEPTHS, WIDTHS, MATERIAL AND APPROXIMATE SLOPES OVER VARYING STATION RANGES. DIMENSION SHOWN ARE TYPICAL. SAWCUT LOCATIONS, CROSS SLOPES, ROADWAY LANE WIDTHS, AND SIDEWALK WIDTH VARY AT SOME LOCATIONS. FOR ADDITIONAL INFORMATION, REFER TO THE ROADWAY PLAN AND PROFILES, ROADWAY DETAILS, AND SIGNING AND STRIPING PLANS.



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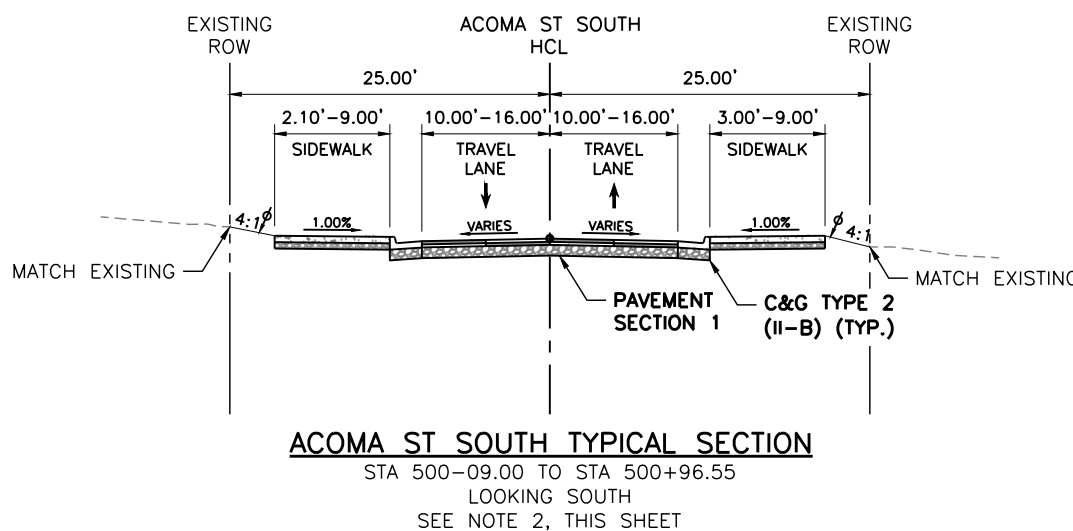
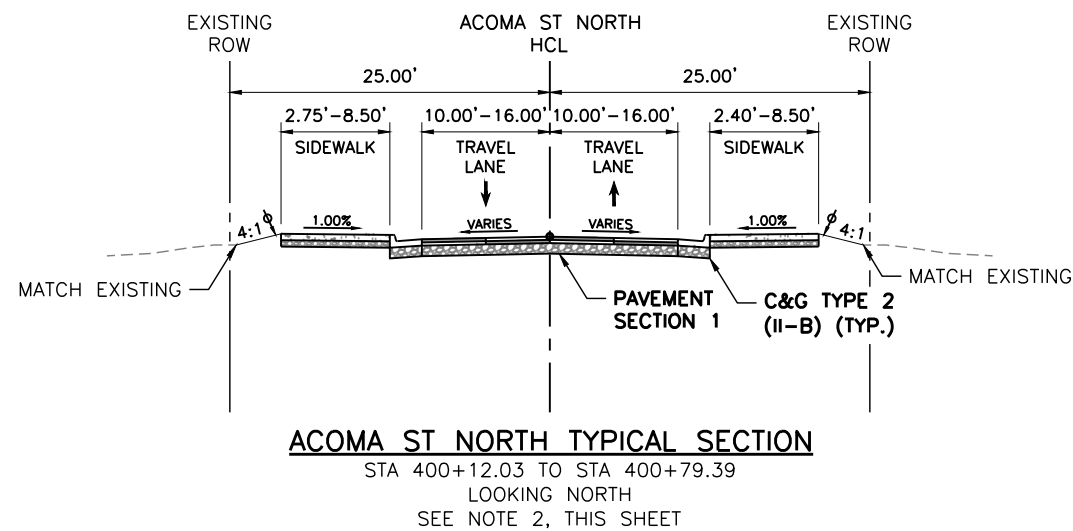
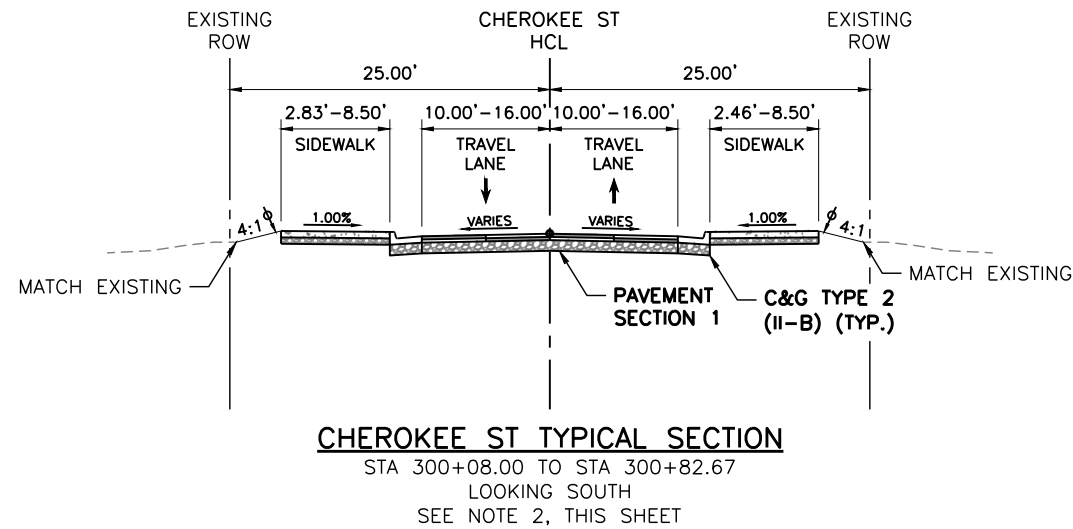
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EUCLID AVE IMPROVEMENTS - PHASE 2 TYPICAL SECTIONS		
Designer:	LML	Structure Numbers
Detailer:	LML	
Sheet Subset:	TYPICALS	Subset Sheet Number: 2 of 3

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26-07
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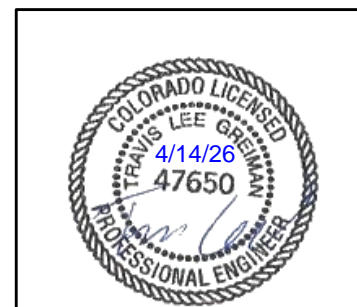


**LEGEND:**

- ⌀ STABILIZE AND REVEGETATE TO THIS LINE WITH 6" OF TOPSOIL UNLESS OTHERWISE DIRECTED
- PROFILE GRADE LINE

**NOTES:**

1. TYPICAL SECTIONS PROVIDE CROSS SECTIONAL ELEMENTS, DEPTHS, WIDTHS, MATERIAL AND APPROXIMATE SLOPES OVER VARYING STATION RANGES. DIMENSION SHOWN ARE TYPICAL. SAWCUT LOCATIONS, CROSS SLOPES, ROADWAY LANE WIDTHS, AND SIDEWALK WIDTH VARY AT SOME LOCATIONS. FOR ADDITIONAL INFORMATION, REFER TO THE ROADWAY PLAN AND PROFILES, ROADWAY DETAILS, AND SIGNING AND STRIPING PLANS.
2. THE STATION RANGE PROVIDED IS APPROXIMATE. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE NOTED STATION TIE-IN LOCATION. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE TIE-IN LOCATION SHOULD BE MODIFIED.



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Sheet Revisions			
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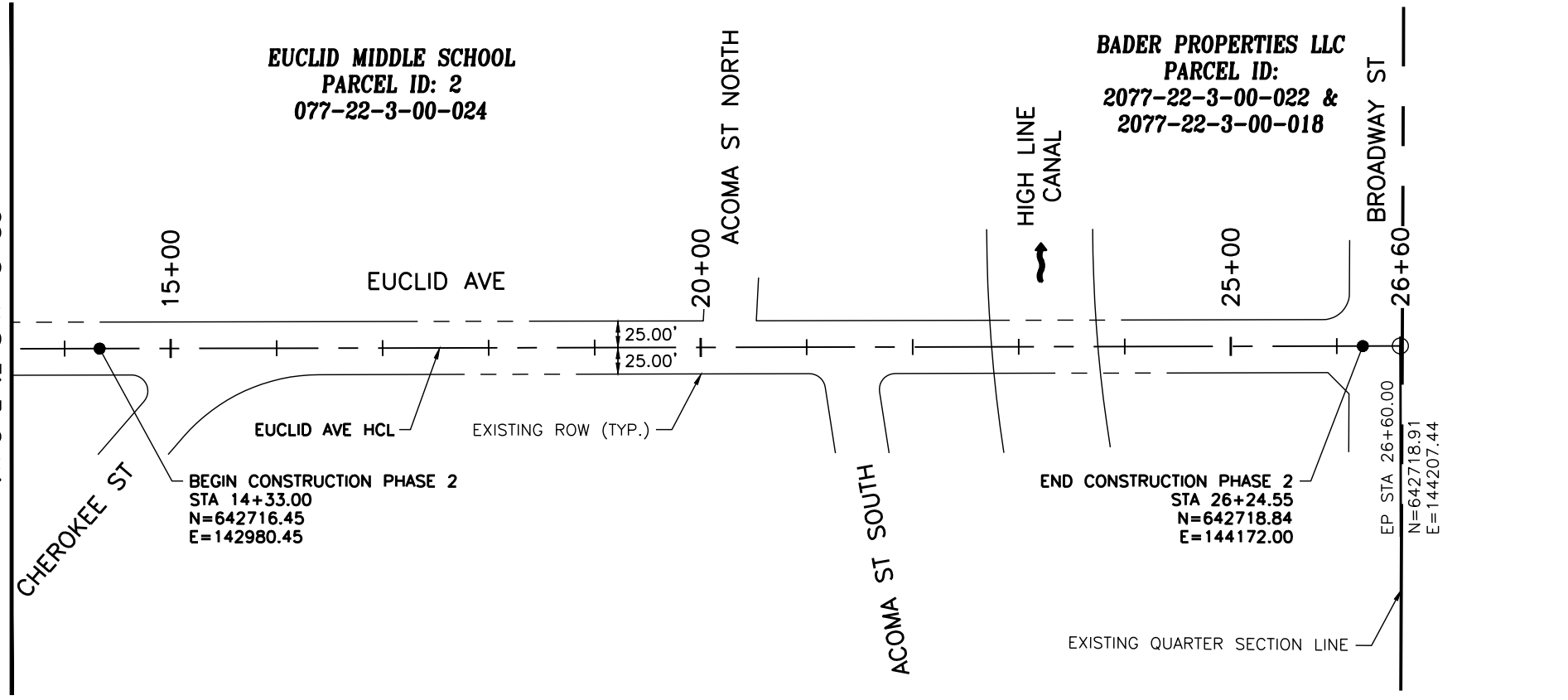
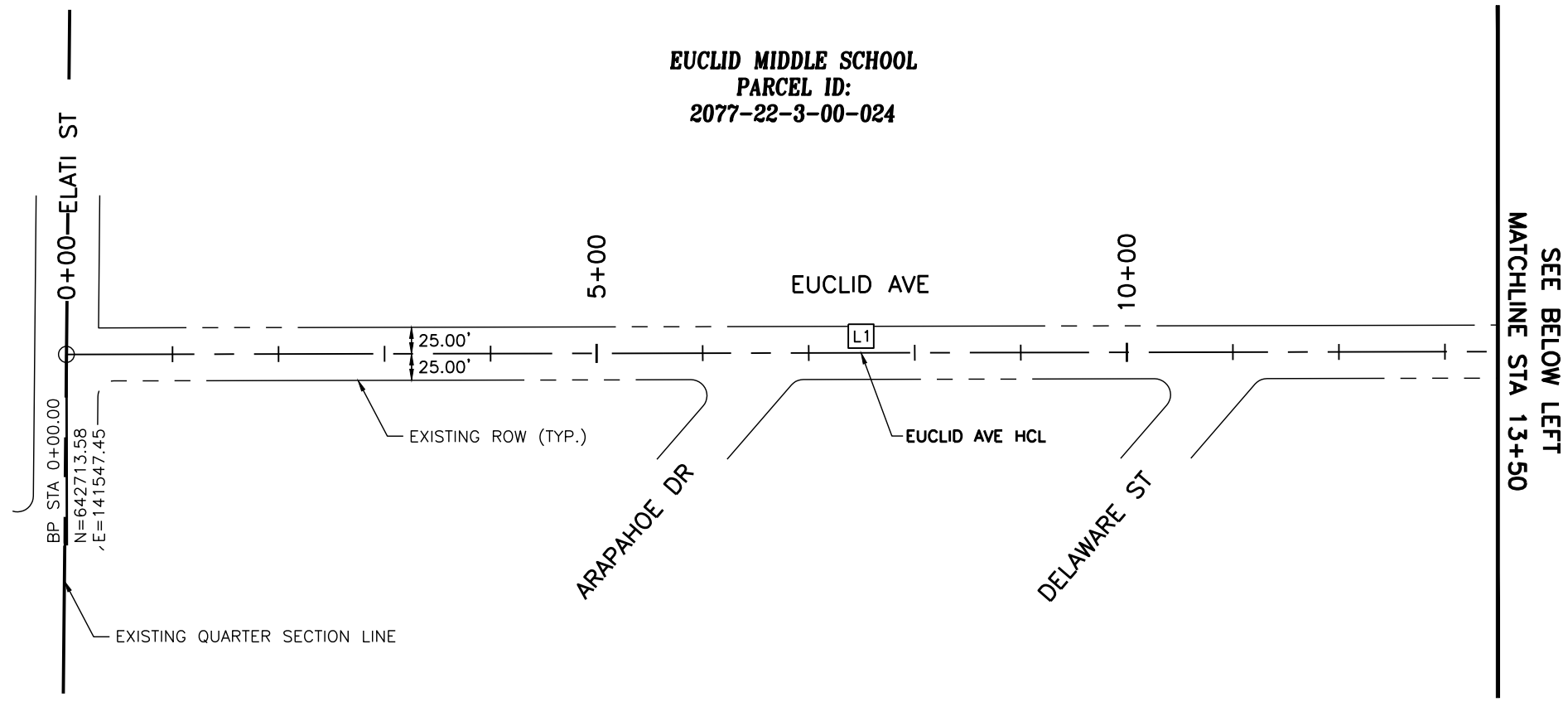
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No. Revisions:
Revised:
Void:

<b>EUCLID AVE IMPROVEMENTS - PHASE 2</b>			
TYPICAL SECTIONS			
Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	TYPICALS	Subset Sheet Number:	3 of 3

<b>Project No.</b>
26-07
Sheet Number: 15 of 73

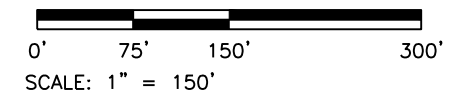
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LINE DATA TABLE		
LINE #	LENGTH	DIRECTION
L1	2660.00	N89° 53' 07"E

**NOTES:**

- HORIZONTAL CONTROL LINE (HCL) INFORMATION FOR CHEROKEE ST AND ACOMA ST CAN BE FOUND ON SHEET 17.



Print Date: 4/14/2026

File Name: 1525-201872.18-CD-08-HCL PLANS.dwg

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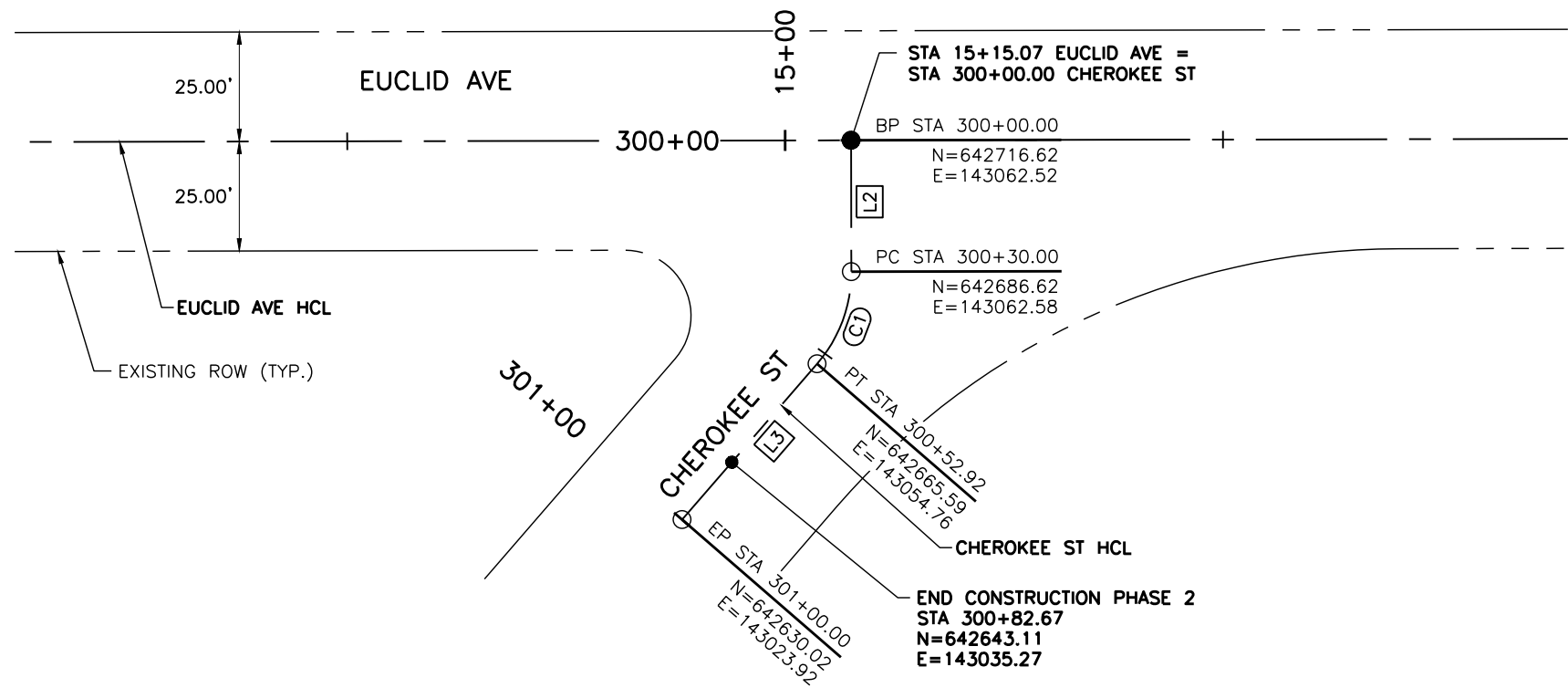
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Revised:	
Void:	

EUCLID AVE IMPROVEMENTS - PHASE 2 HORIZONTAL CONTROL PLANS EUCLID AVE			
Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	HCL	Subset Sheet Number:	1 of 2

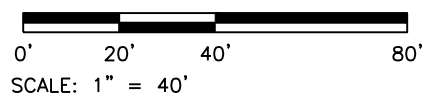
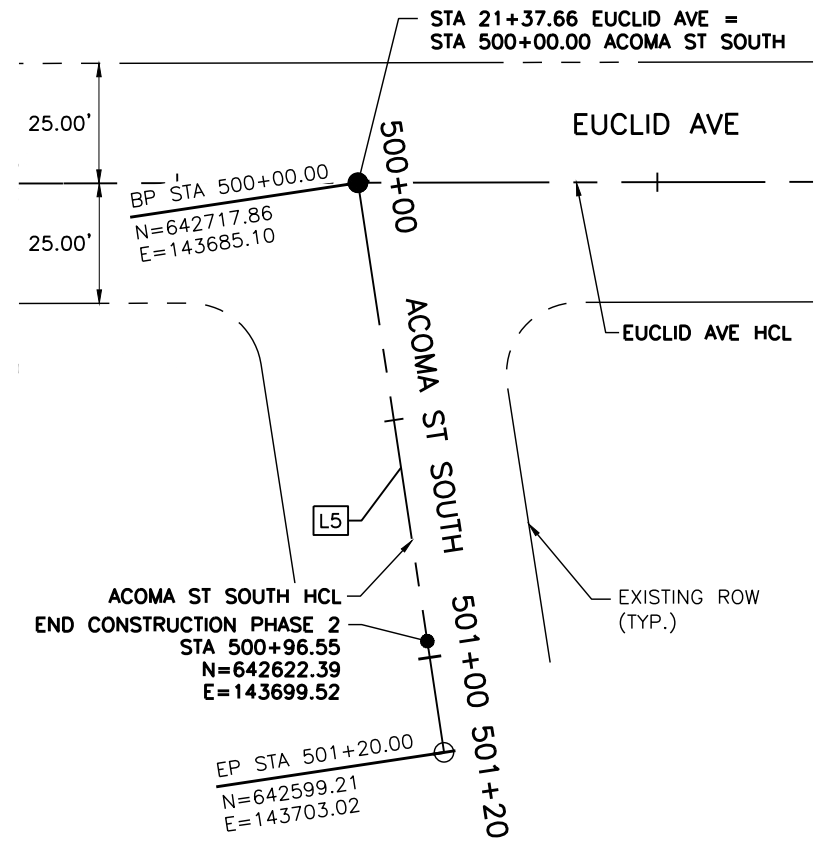
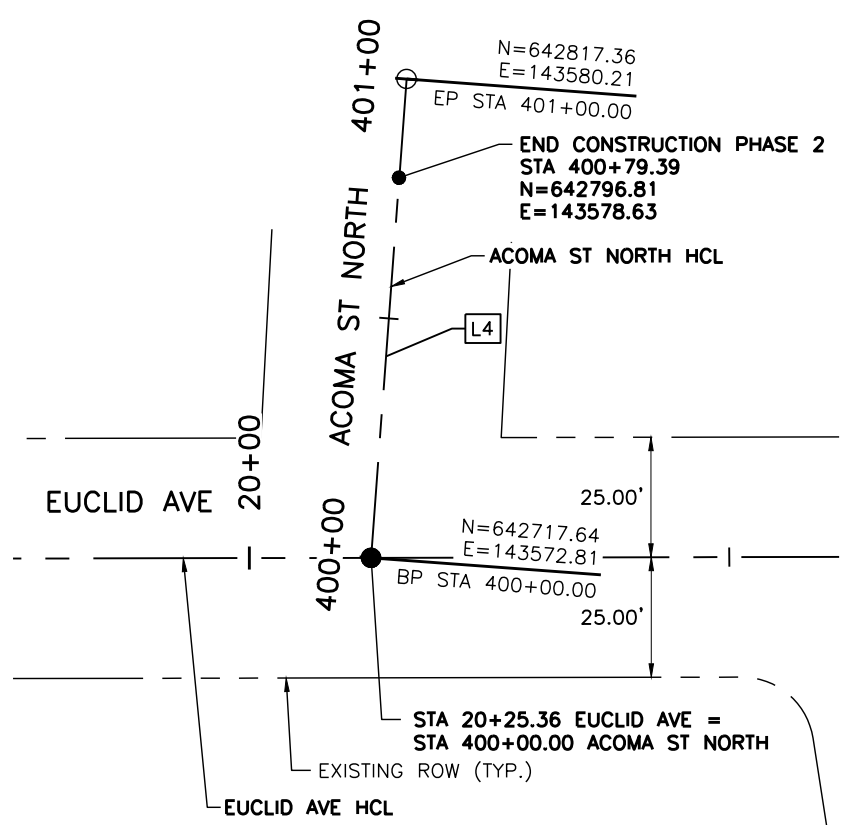
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LINE DATA TABLE		
LINE #	LENGTH	DIRECTION
L2	30.00	S00° 06' 53"E
L3	47.08	S40° 55' 29"W
L4	100.00	N04° 14' 45"E
L5	120.00	S08° 35' 08"E

CURVE DATA TABLE				
CURVE #	RADIUS	LENGTH	DELTA	TANGENT
C1	32.00	22.92	41° 02' 21.54"	11.98



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**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 HORIZONTAL CONTROL PLANS  
 CHEROKEE ST AND ACOMA ST

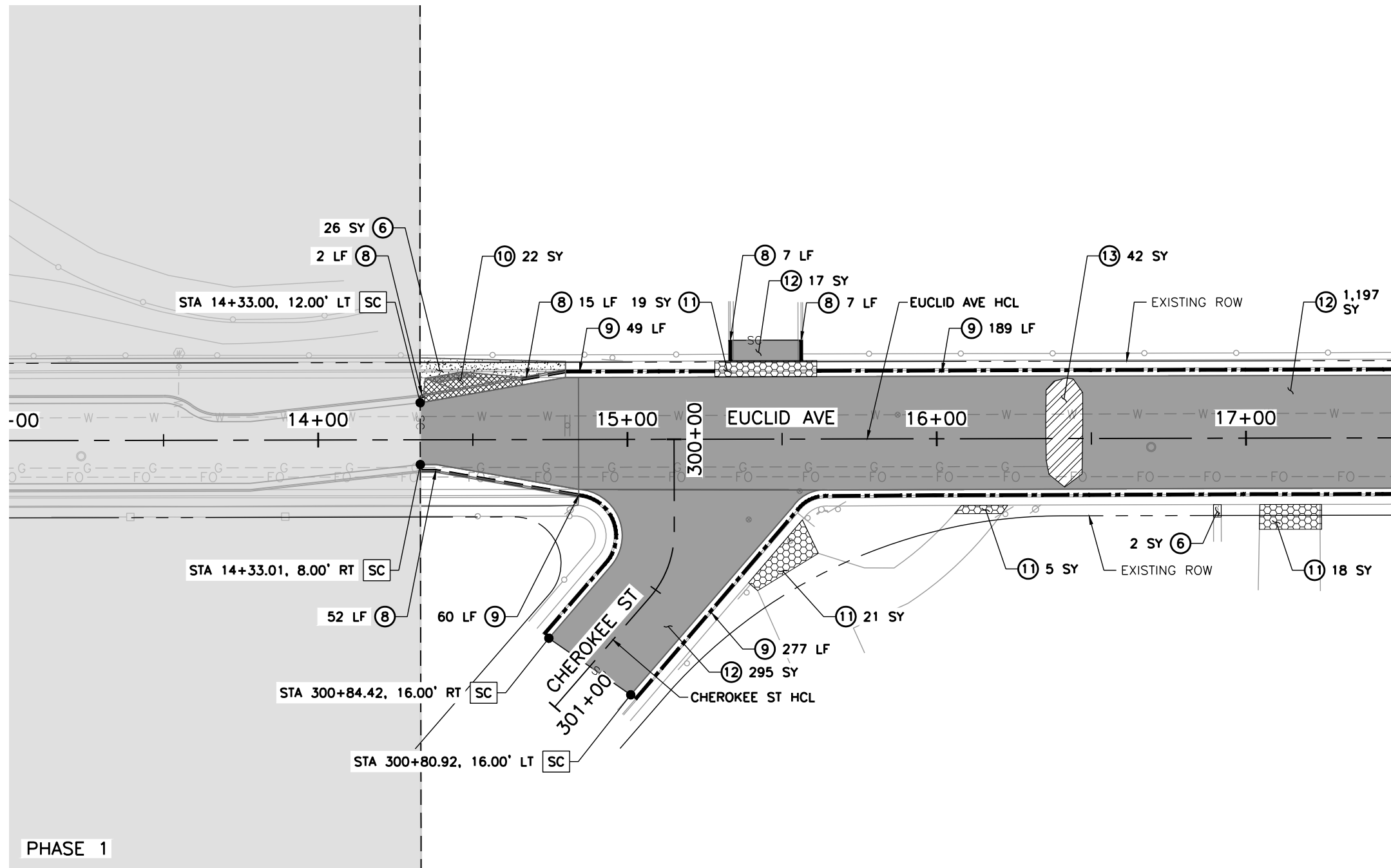
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 Subset Sheet Number: 2 of 2

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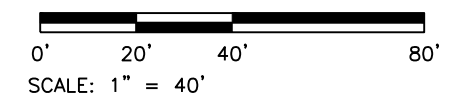
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MATCHLINE STA 17+50  
SEE SHEET 19

- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - SC SAWCUT LIMITS
  - ① REMOVAL OF TREE
  - ② REMOVAL OF CHASE DRAIN
  - ③ REMOVAL OF INLET
  - ④ REMOVAL OF CONCRETE MEDIAN COVER MATERIAL
  - ⑤ REMOVAL OF MEDIAN COVER
  - ⑥ REMOVAL OF SIDEWALK
  - ⑦ REMOVAL OF GUTTER
  - ⑧ REMOVAL OF CURB AND GUTTER
  - ⑨ REMOVAL OF CURB, GUTTER AND SIDEWALK
  - ⑩ REMOVAL OF CONCRETE CURB RAMP
  - ⑪ REMOVAL OF CONCRETE PAVEMENT
  - ⑫ REMOVAL OF ASPHALT MAT
  - ⑬ REMOVAL OF ASPHALT MAT (SPECIAL)
  - ⑭ REMOVAL OF DELINEATOR (INCLUDES THE REMOVAL OF SHUR-CURB)

- NOTES:**
1. SAWCUTTING SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT AND CONCRETE PAVEMENT.
  2. THE REMOVAL OF EXISTING SPEED HUMPS IS QUANTIFIED UNDER THE REMOVAL OF ASPHALT MAT (SPECIAL).
  3. THE REMOVAL OF TREES SHALL BE COMPLETED BY A LICENSED ARBORIST.



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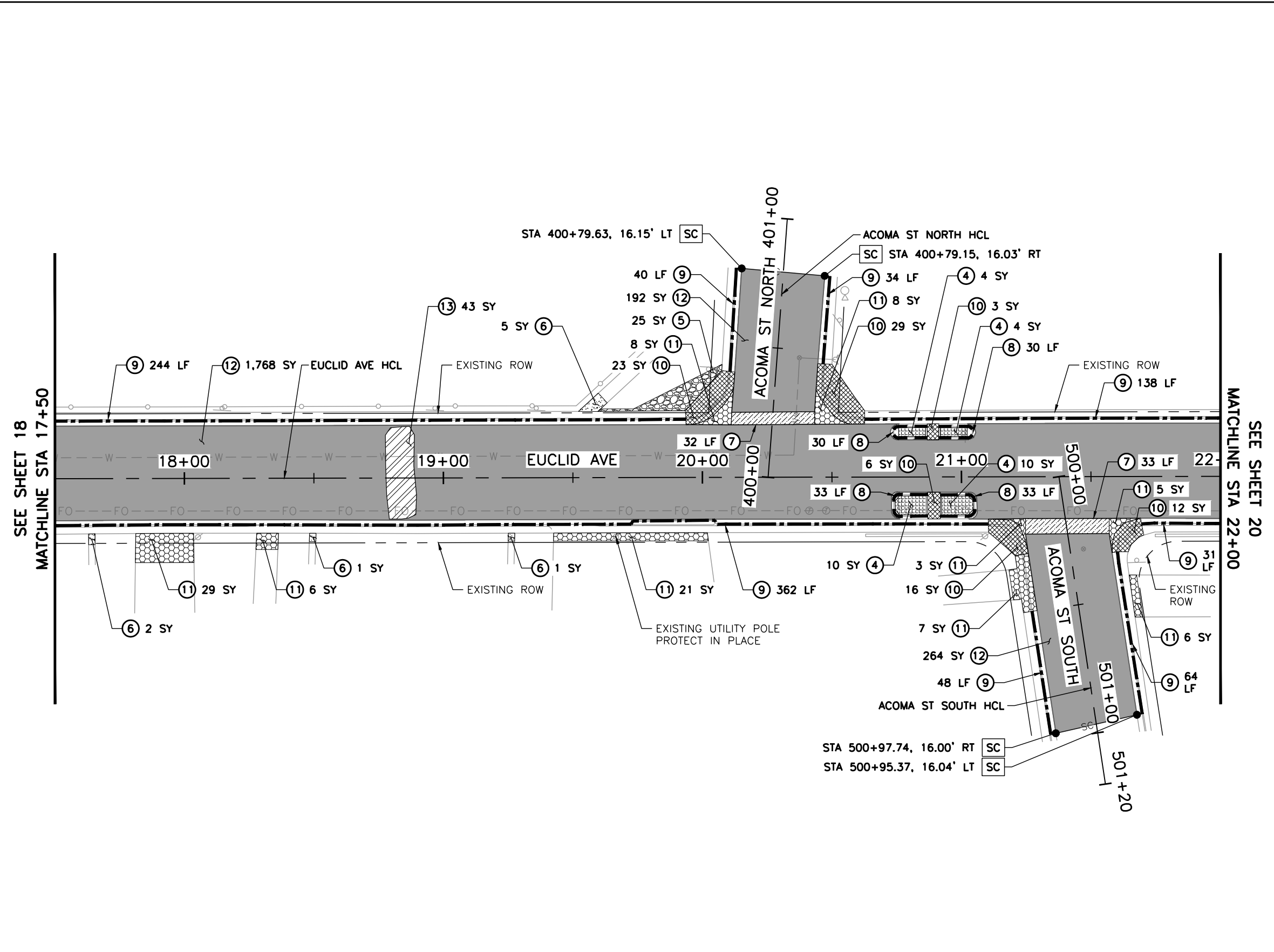
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No. Revisions:	Designer: LML	Structure Numbers
Revised:	Detailer: LML	
Void:	Sheet Subset: DEMO	Subset Sheet Number: 1 of 3

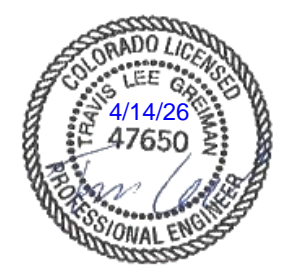
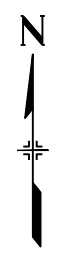
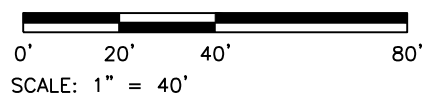
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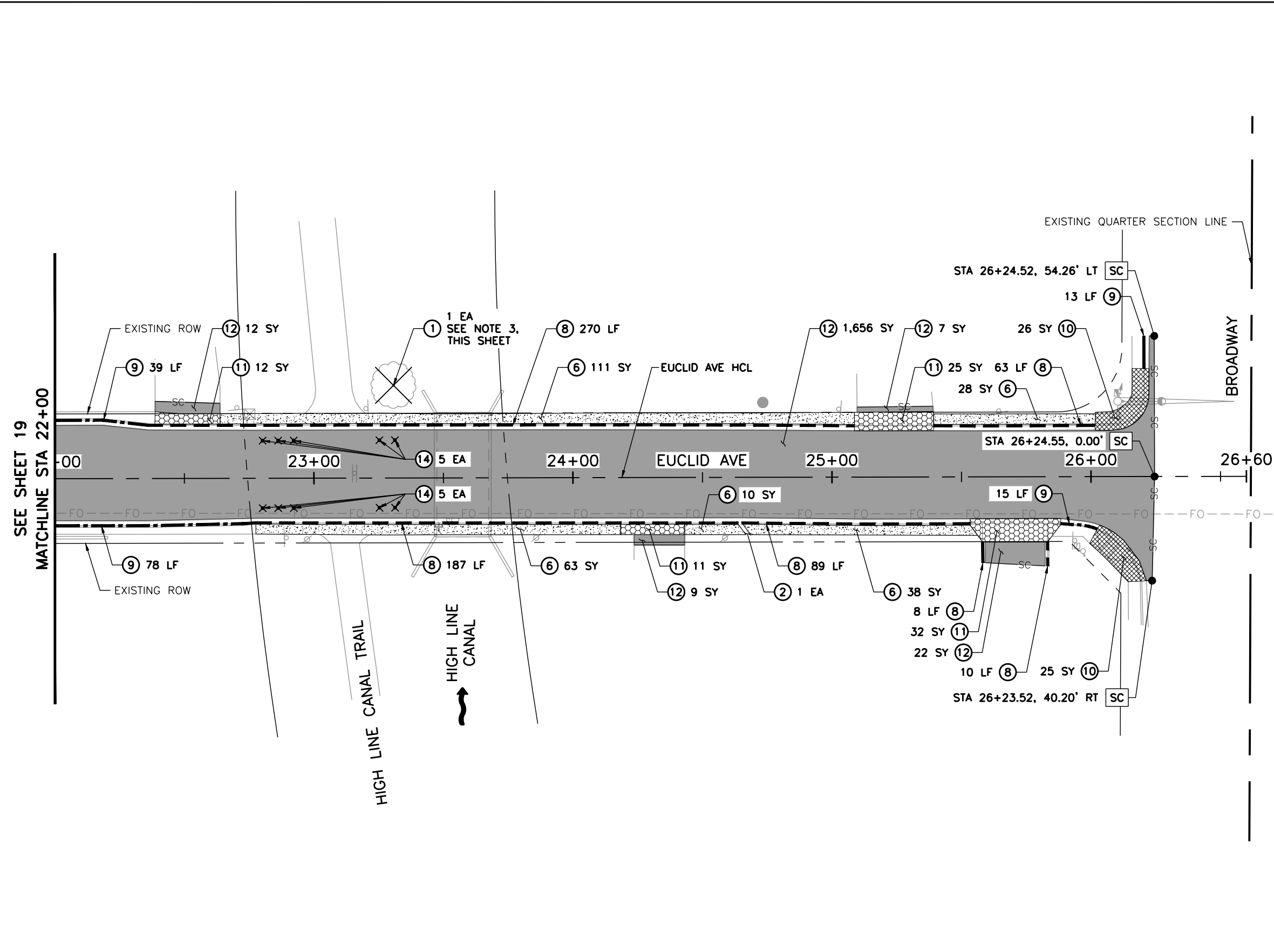
- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - SC SAWCUT LIMITS
  - 1 REMOVAL OF TREE
  - 2 REMOVAL OF CHASE DRAIN
  - 3 REMOVAL OF INLET
  - 4 REMOVAL OF CONCRETE MEDIAN COVER MATERIAL
  - 5 REMOVAL OF MEDIAN COVER
  - 6 REMOVAL OF SIDEWALK
  - 7 REMOVAL OF GUTTER
  - 8 REMOVAL OF CURB AND GUTTER
  - 9 REMOVAL OF CURB, GUTTER AND SIDEWALK
  - 10 REMOVAL OF CONCRETE CURB RAMP
  - 11 REMOVAL OF CONCRETE PAVEMENT
  - 12 REMOVAL OF ASPHALT MAT
  - 13 REMOVAL OF ASPHALT MAT (SPECIAL)
  - 14 REMOVAL OF DELINEATOR (INCLUDES THE REMOVAL OF SHUR-CURB)

- NOTES:**
1. SAWCUTTING SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT AND CONCRETE PAVEMENT.
  2. THE REMOVAL OF EXISTING SPEED HUMPS IS QUANTIFIED UNDER THE REMOVAL OF ASPHALT MAT (SPECIAL).
  3. THE REMOVAL OF TREES SHALL BE COMPLETED BY A LICENSED ARBORIST.



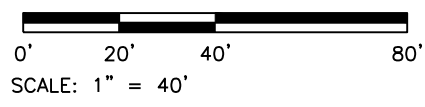
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R-X																	

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- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - SC - SAWCUT LIMITS
  - ⊗ ① REMOVAL OF TREE
  - ② REMOVAL OF CHASE DRAIN
  - ③ REMOVAL OF INLET
  - ▣ ④ REMOVAL OF CONCRETE MEDIAN COVER MATERIAL
  - ▤ ⑤ REMOVAL OF MEDIAN COVER
  - ▥ ⑥ REMOVAL OF SIDEWALK
  - ▦ ⑦ REMOVAL OF GUTTER
  - ▧ ⑧ REMOVAL OF CURB AND GUTTER
  - ▨ ⑨ REMOVAL OF CURB, GUTTER AND SIDEWALK
  - ▩ ⑩ REMOVAL OF CONCRETE CURB RAMP
  - ⑪ REMOVAL OF CONCRETE PAVEMENT
  - ⑫ REMOVAL OF ASPHALT MAT
  - ▬ ⑬ REMOVAL OF ASPHALT MAT (SPECIAL)
  - × ⑭ REMOVAL OF DELINEATOR (INCLUDES THE REMOVAL OF SHUR-CURB)

- NOTES:**
- SAWCUTTING SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT AND CONCRETE PAVEMENT.
  - THE REMOVAL OF EXISTING SPEED HUMPS IS QUANTIFIED UNDER THE REMOVAL OF ASPHALT MAT (SPECIAL).
  - THE REMOVAL OF TREES SHALL BE COMPLETED BY A LICENSED ARBORIST. THE QUANTITY FOR THIS REMOVAL NEAR THE HIGH LINE CANAL IS APPROXIMATE, AS THIS AREA WAS NOT INCLUDED IN THE ORIGINAL TOPOGRAPHIC SURVEY, AS SHOWN ON SHEET 12.



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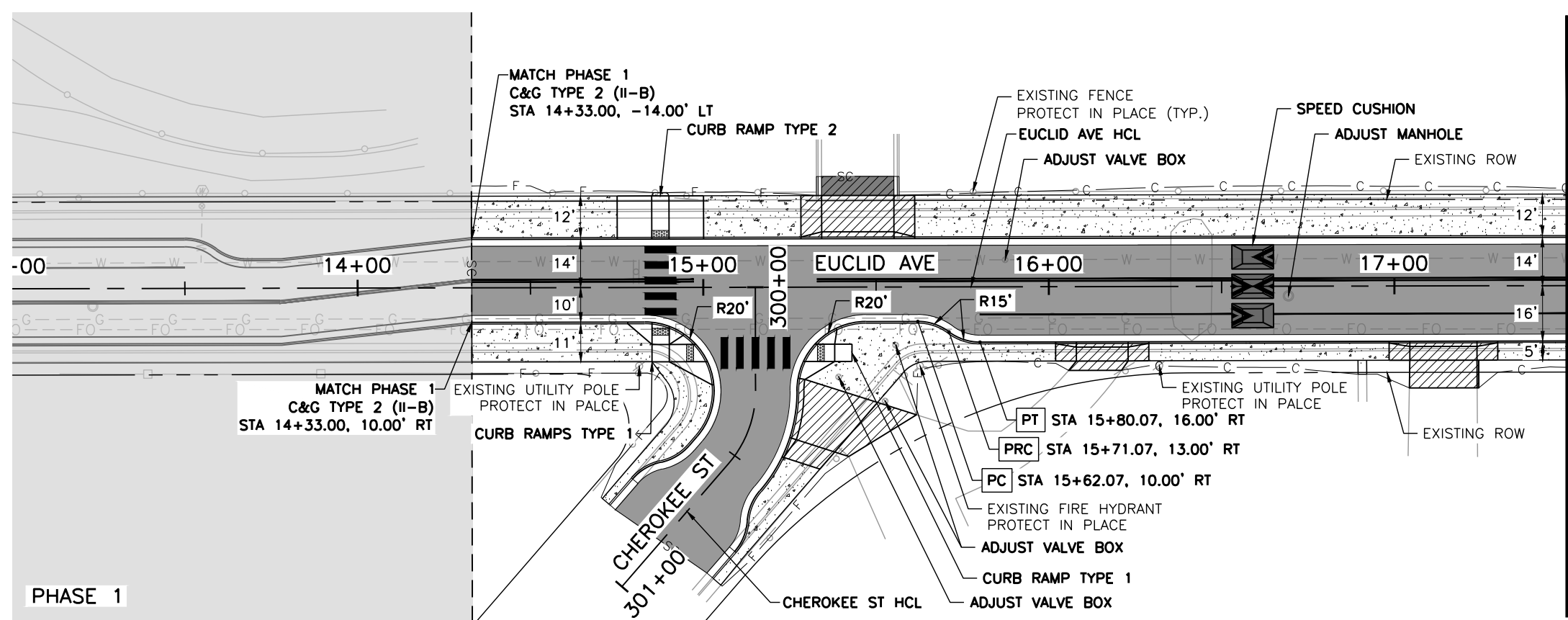
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EUCLID AVE IMPROVEMENTS - PHASE 2 REMOVAL PLANS			
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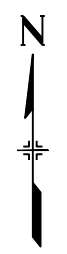
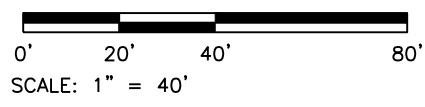
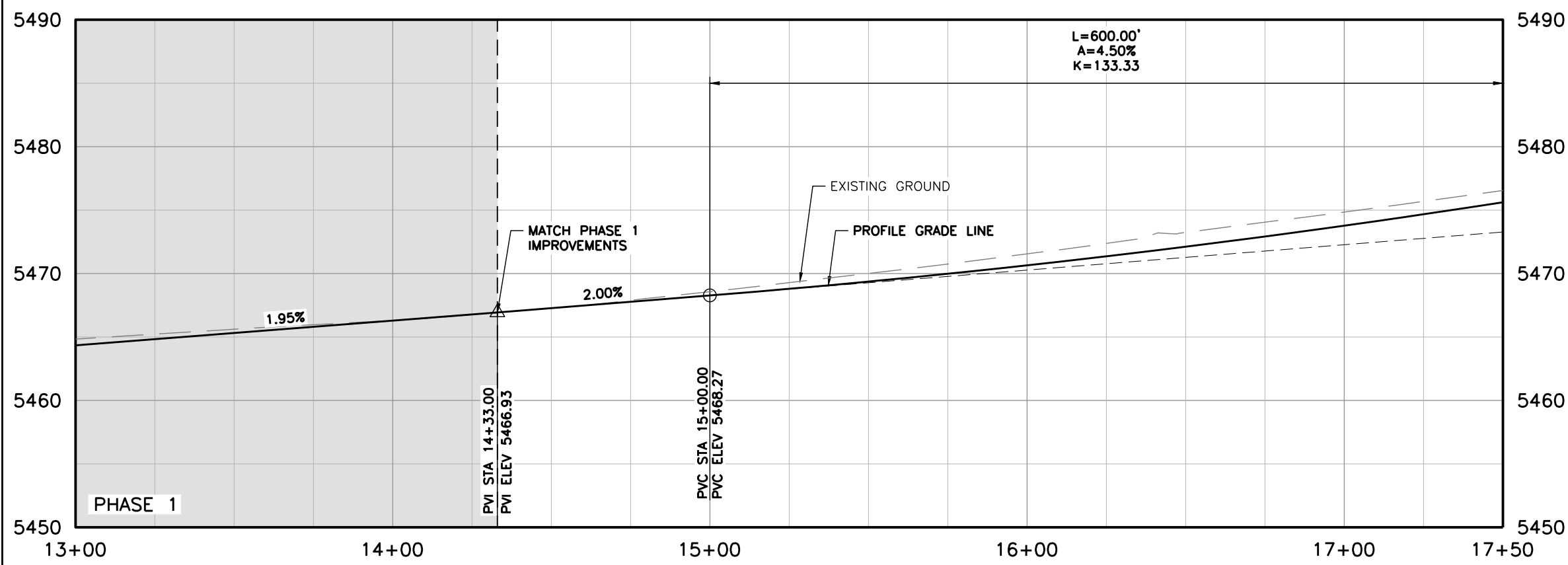
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MATCHLINE STA 17+50  
 SEE SHEET 22

- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - HOT MIX ASPHALT
  - HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL
  - C — TOP OF CUT
- NOTES:**
- ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  - ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
  - REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
  - REFER TO THE STORM SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION ON STORM SEWER IMPROVEMENTS.



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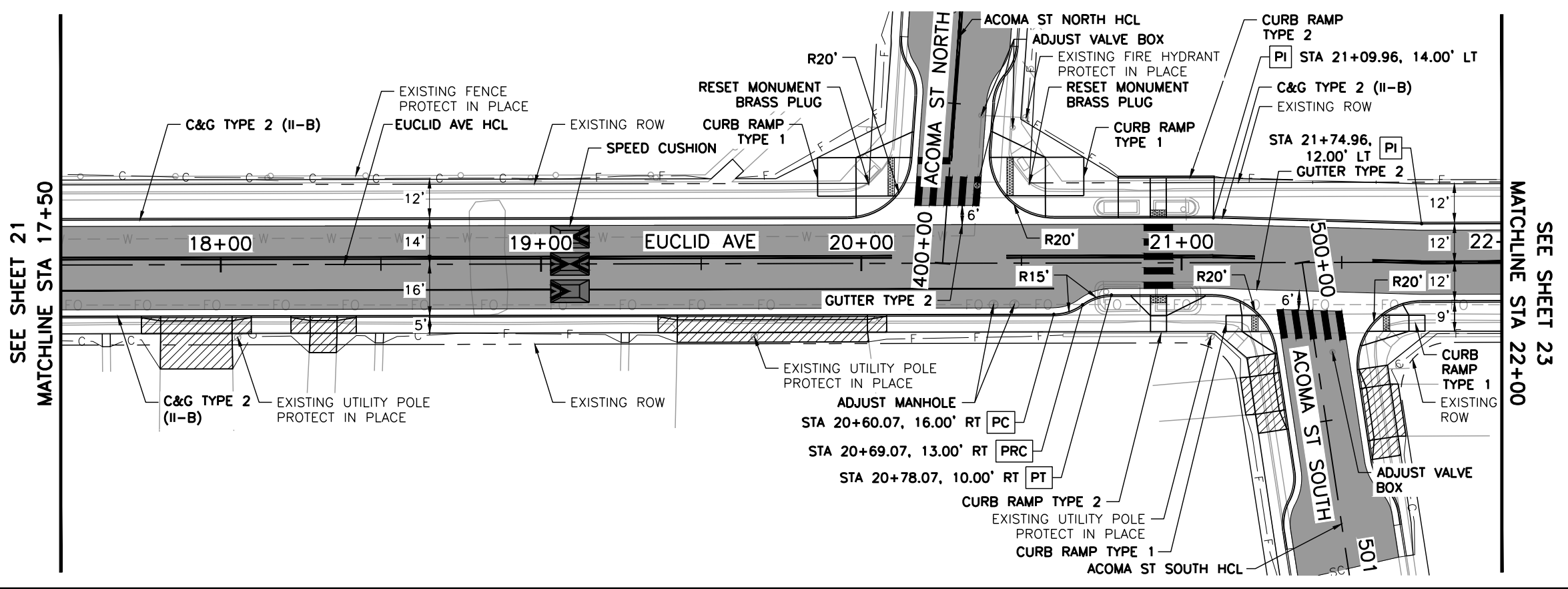
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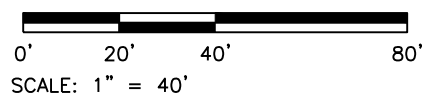
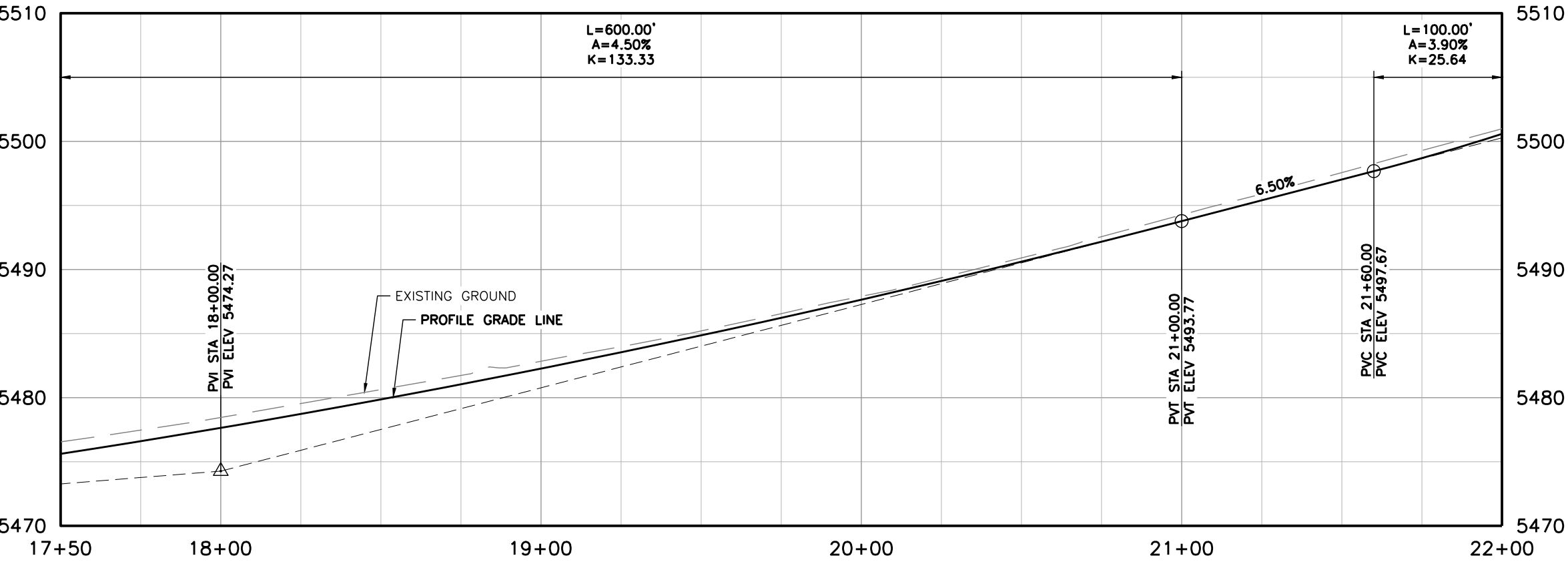
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- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - HOT MIX ASPHALT
  - HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL
  - C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
  3. REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
  4. REFER TO THE STORM SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION ON STORM SEWER IMPROVEMENTS.



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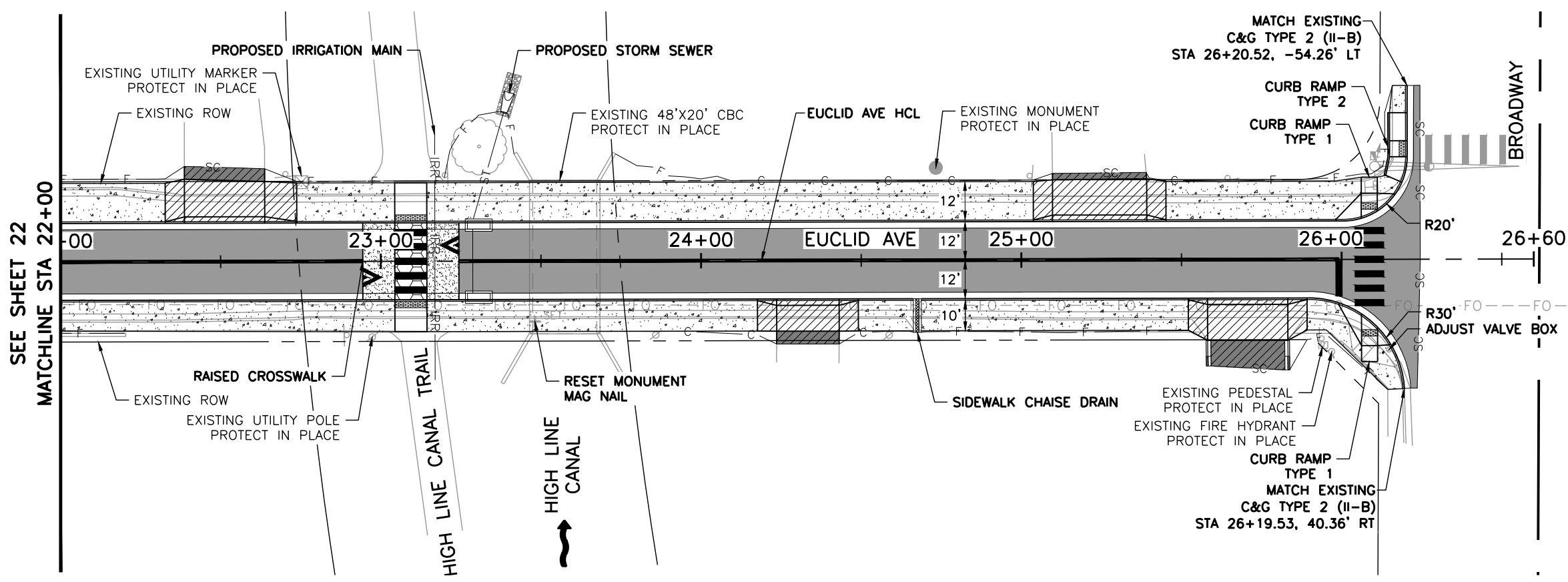
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Detailer:	LML		
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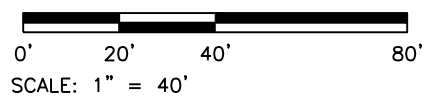
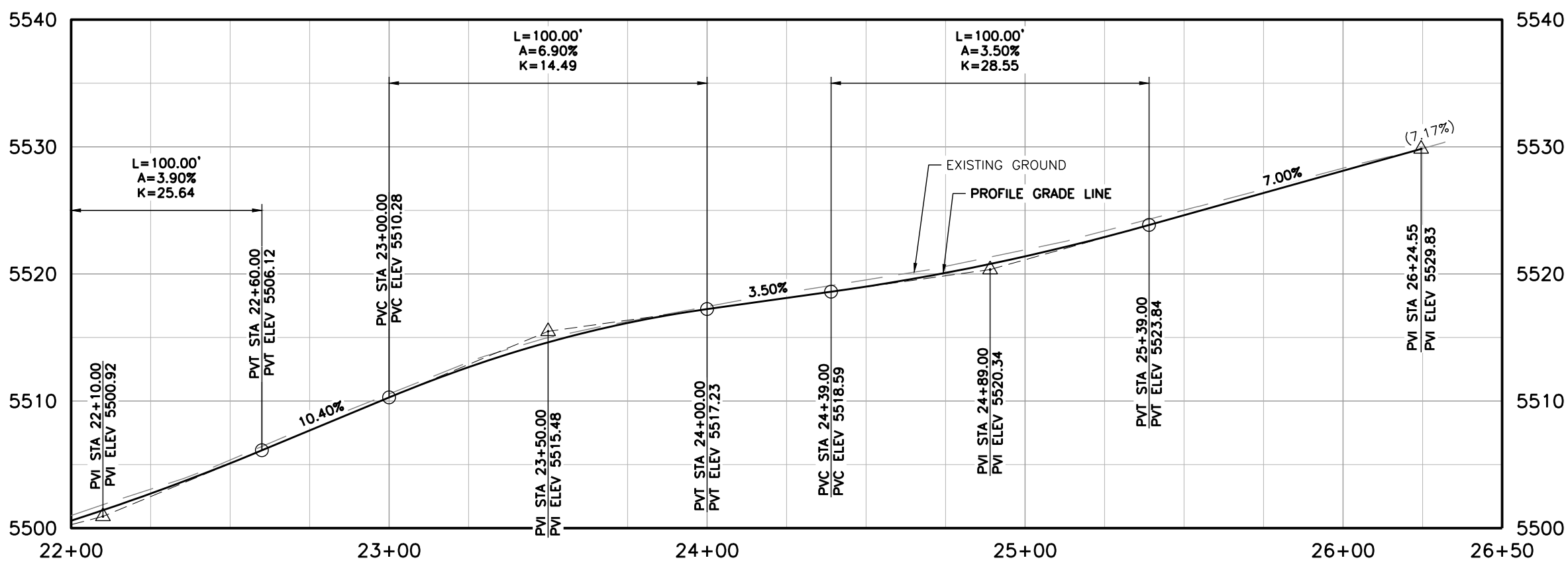
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- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - HOT MIX ASPHALT
  - HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
- SC - SAWCUT LIMITS  
 - F - TOE OF FILL  
 - C - TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
  3. REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
  4. REFER TO THE STORM SEWER PLAN AND PROFILE SHEET FOR ADDITIONAL INFORMATION ON STORM SEWER IMPROVEMENTS.
  5. REFER TO THE IRRIGATION SHEETS FOR ADDITIONAL INFORMATION ON PROPOSED IMPROVEMENTS AT THE HIGH LINE CANAL TRAIL.



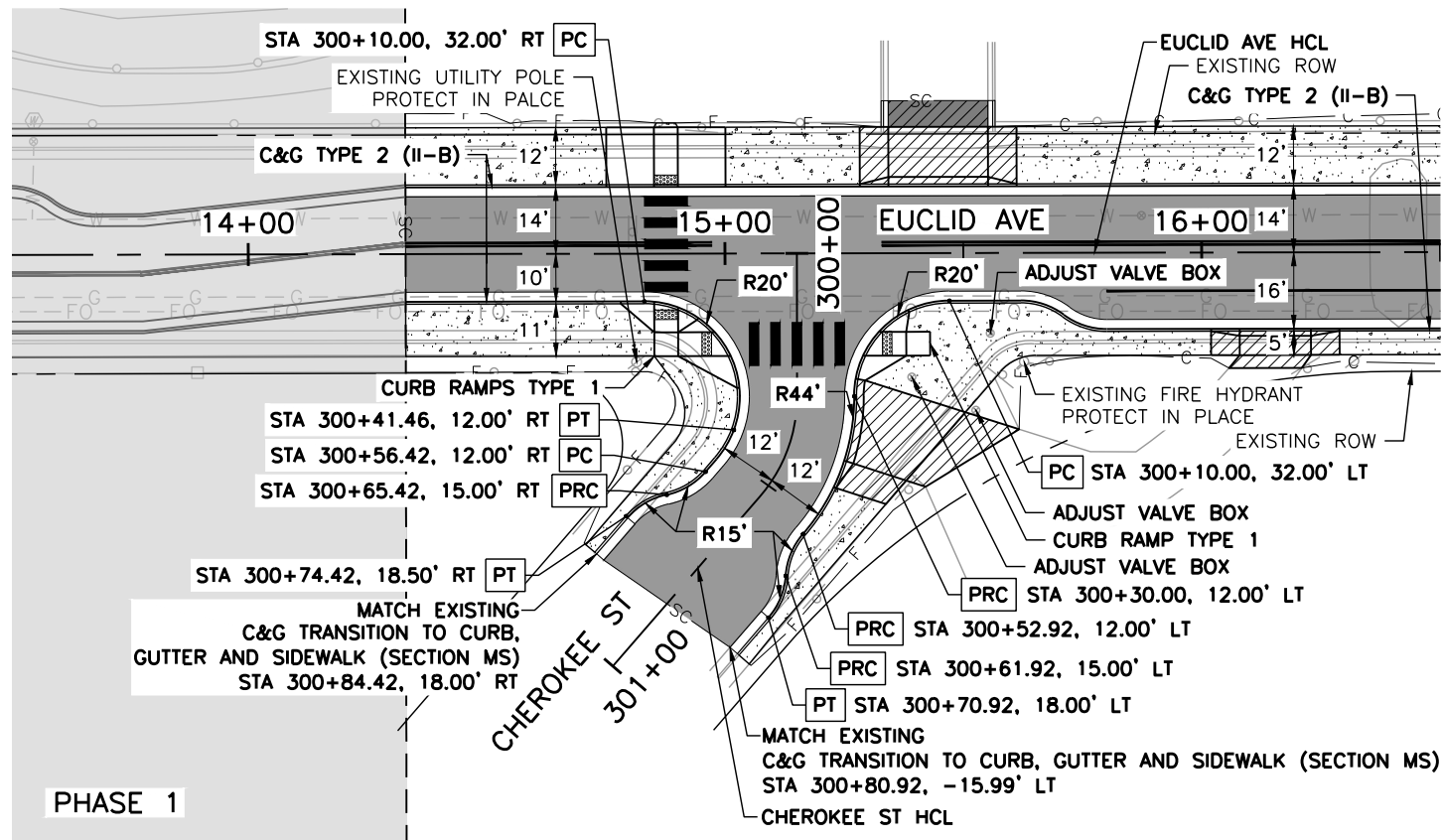
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No. Revisions:		Designer:	LML
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PHASE 1

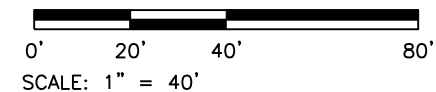
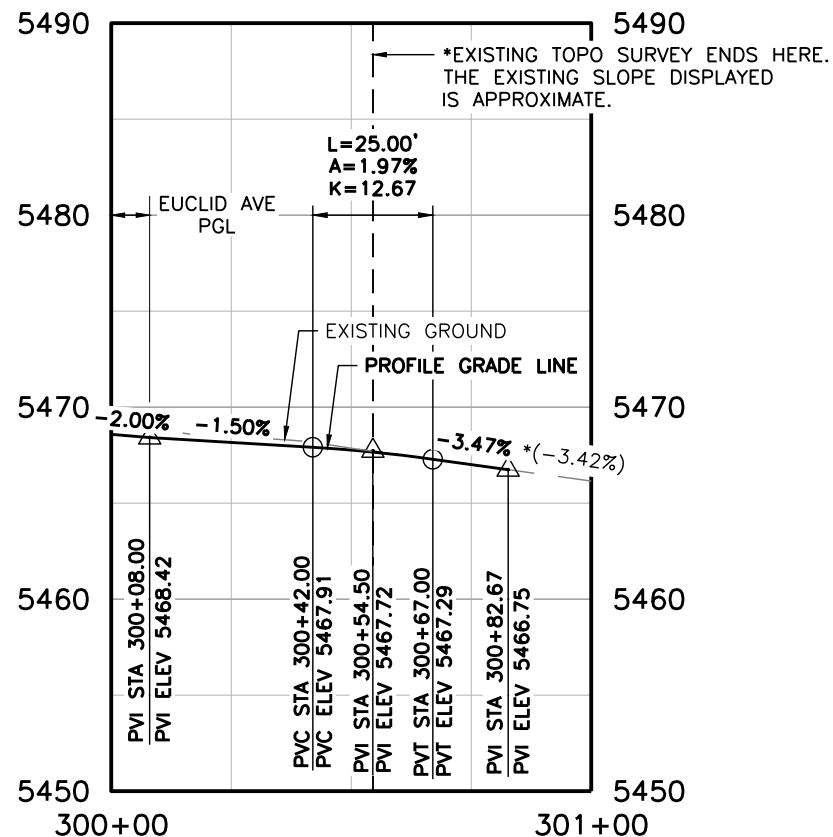
**LEGEND:**

- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
- HOT MIX ASPHALT
- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)

- SC — SAWCUT LIMITS
- F — TOE OF FILL
- C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE CHEROKEE ST HCL AND ARE TO THE FLOWLINE.
2. ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
3. REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
4. THE PROPOSED TIE-IN LOCATION ON CHEROKEE ST IS APPROXIMATE. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED SAWCUT LINE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE TIE-IN LOCATION SHOULD BE MODIFIED.
5. THE CHEROKEE ST PROFILE GRADE LINE SHOWN ON THIS SHEET IS APPROXIMATE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE VERTICAL ALIGNMENT SHOULD BE MODIFIED TO HAVE MINIMAL IMPACTS TO ADJACENT PRIVATE PROPERTIES.



Print Date: 4/14/2026  
 File Name: 1525-201872.18-CD-10.2-RDWAY PNP-SIDESTREET.dwg  
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Sheet Revisions			
Date	Comments	Initials	

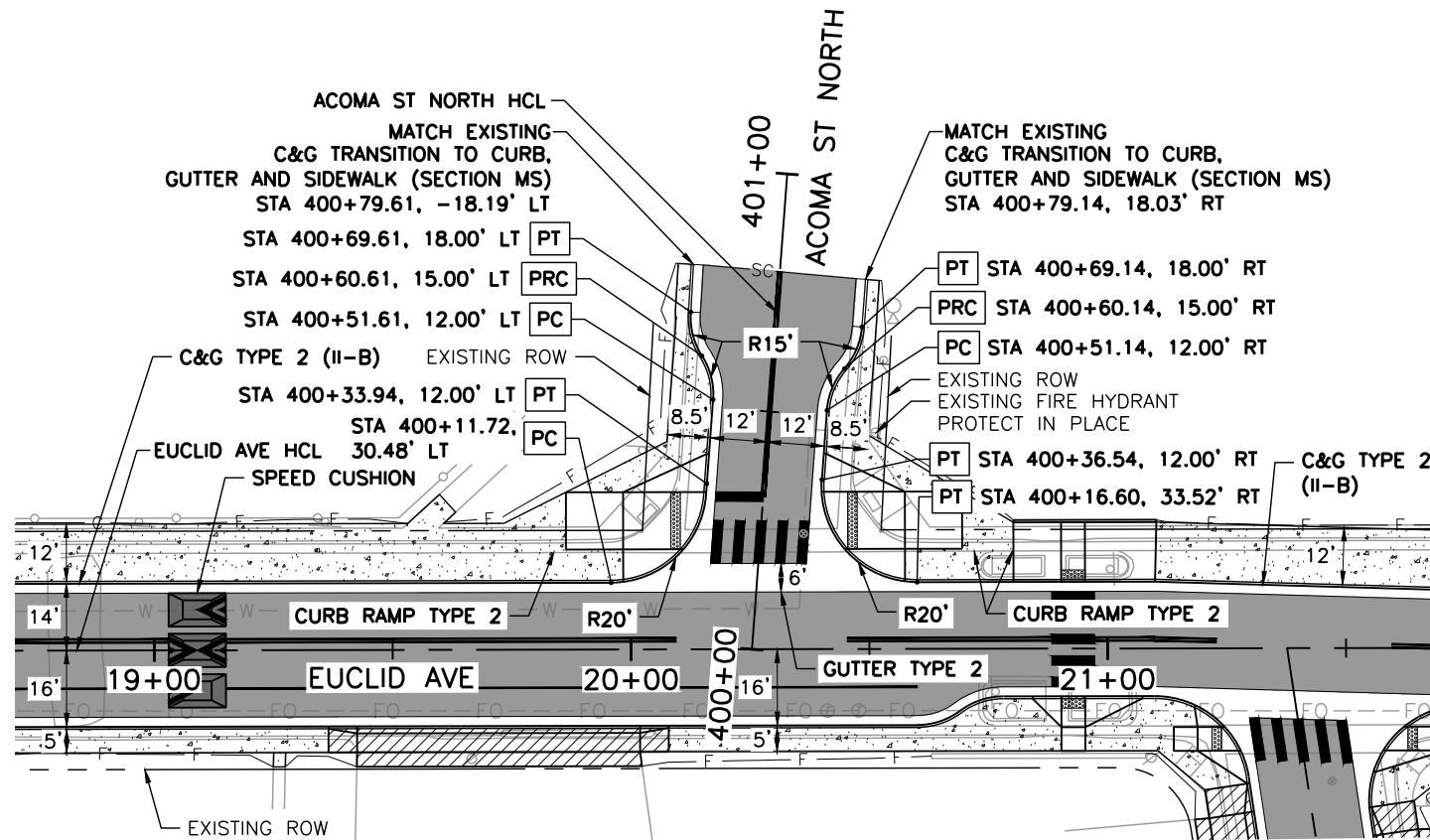
**Littleton**  
 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

**As Constructed**  
 No. Revisions:  
 Revised:  
 Void:

**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 ROADWAY PLAN AND PROFILES  
 CHEROKEE ST  
 Designer: LML  
 Detailer: LML  
 Sheet Subset: RDWAY PNP  
 Structure Numbers:  
 Subset Sheet Number: 4 of 6

**Project No.**  
 26-07  
 Sheet Number: 24 of 73

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**LEGEND:**

- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
- HOT MIX ASPHALT
- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)

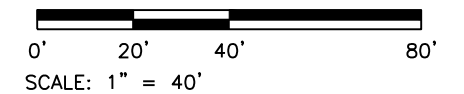
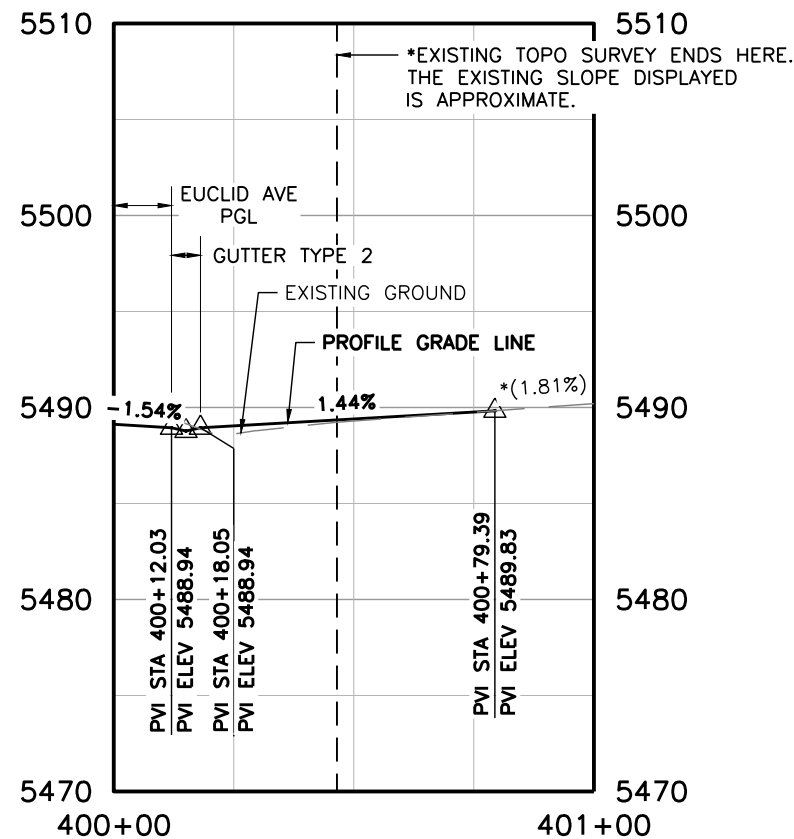
— SC — SAWCUT LIMITS

— F — TOE OF FILL

— C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE ACOMA ST NORTH HCL AND ARE TO THE FLOWLINE.
2. ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
3. REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
4. THE PROPOSED TIE-IN LOCATION ON ACOMA ST NORTH IS APPROXIMATE. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED SAWCUT LINE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE TIE-IN LOCATION SHOULD BE MODIFIED.
5. THE ACOMA ST NORTH PROFILE GRADE LINE SHOWN ON THIS SHEET IS APPROXIMATE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE VERTICAL ALIGNMENT SHOULD BE MODIFIED TO HAVE MINIMAL IMPACTS TO ADJACENT PRIVATE PROPERTIES.



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 (303) 771-6868

Sheet Revisions			
Date	Comments	Initials	

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 2255 W Berry Avenue  
 Littleton, Colorado 80120

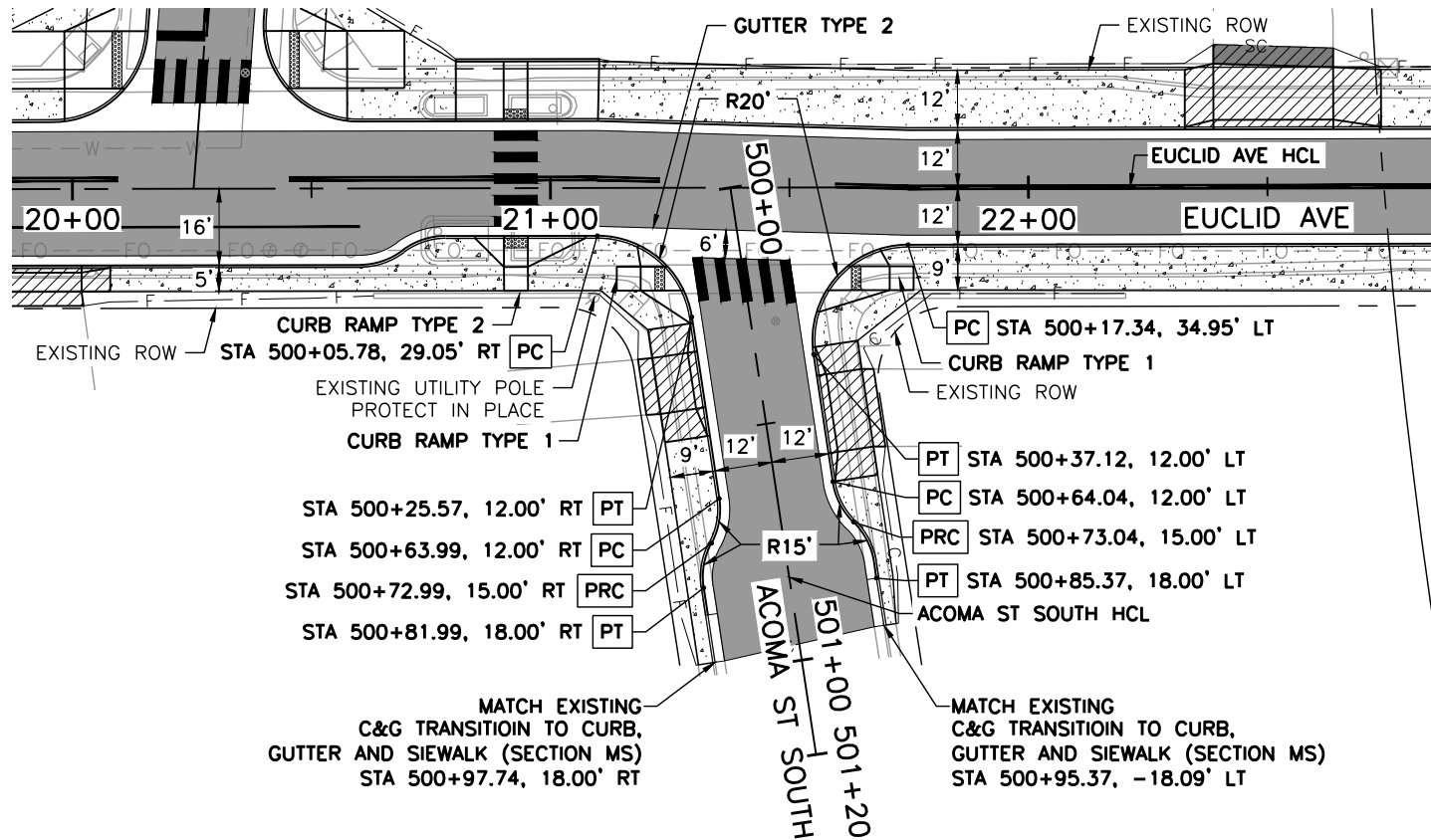
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No. Revisions:
Revised:
Void:

**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 ROADWAY PLAN AND PROFILES  
 ACOMA ST NORTH

Designer: LML	Structure Numbers:
Detailer: LML	
Sheet Subset: RDWAY PNP	Subset Sheet Number: 5 of 6

<b>Project No.</b>
26-07
Sheet Number: 25 of 73

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**LEGEND:**

- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
- HOT MIX ASPHALT
- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)

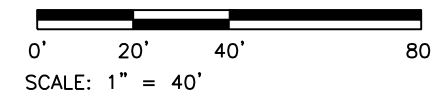
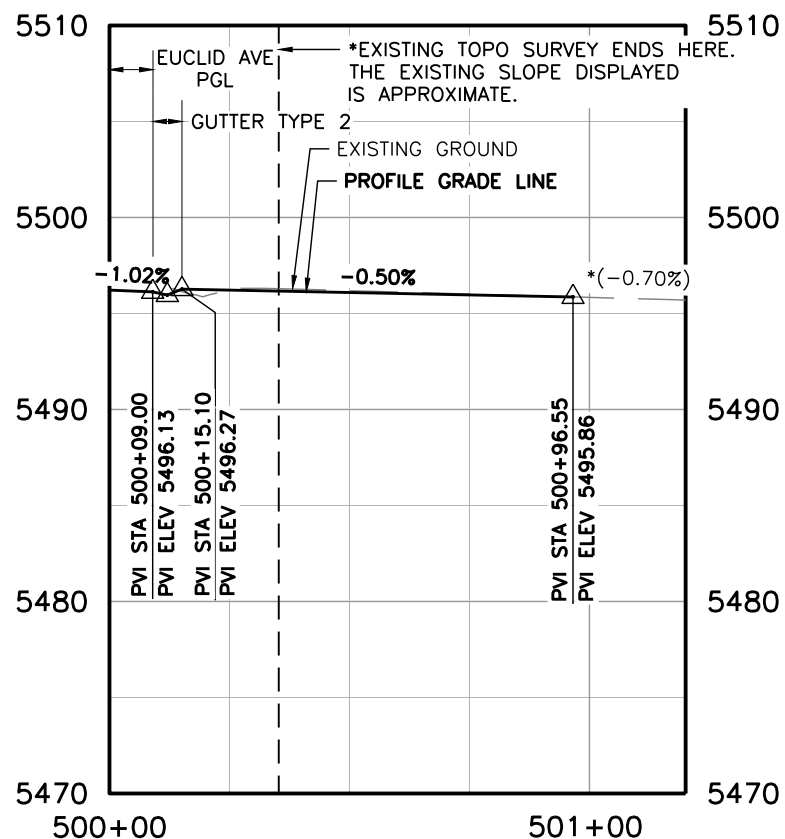
— SC — SAWCUT LIMITS

— F — TOE OF FILL

— C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE ACOMA ST SOUTH HCL AND ARE TO THE FLOWLINE.
2. ALL RADIAL DIMENSIONS ARE TO THE FLOWLINE.
3. REFER TO THE ROADWAY DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT PROVIDED ON THE ROADWAY PLAN AND PROFILE SHEETS.
4. THE PROPOSED TIE-IN LOCATION ON ACOMA ST SOUTH IS APPROXIMATE. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED SAWCUT LINE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE TIE-IN LOCATION SHOULD BE MODIFIED.
5. THE ACOMA ST SOUTH PROFILE GRADE LINE SHOWN ON THIS SHEET IS APPROXIMATE. ADJUSTMENTS IN THE FIELD MAY BE NEEDED TO DETERMINE IF THE VERTICAL ALIGNMENT SHOULD BE MODIFIED TO HAVE MINIMAL IMPACTS TO ADJACENT PRIVATE PROPERTIES. THE PROFILE GRADE LINE SHALL BE A MINIMUM OF 0.50%.



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 File Name: 1525-201872.18-CD-10.2-RDWAY PNP-SIDESTREET.dwg  
 Horizontal Scale: 1"=40'    Vertical Scale: 1"=10'

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Sheet Revisions			
Date	Comments	Initials	

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*Colorado*

Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>	
No. Revisions:	
Revised:	
Void:	

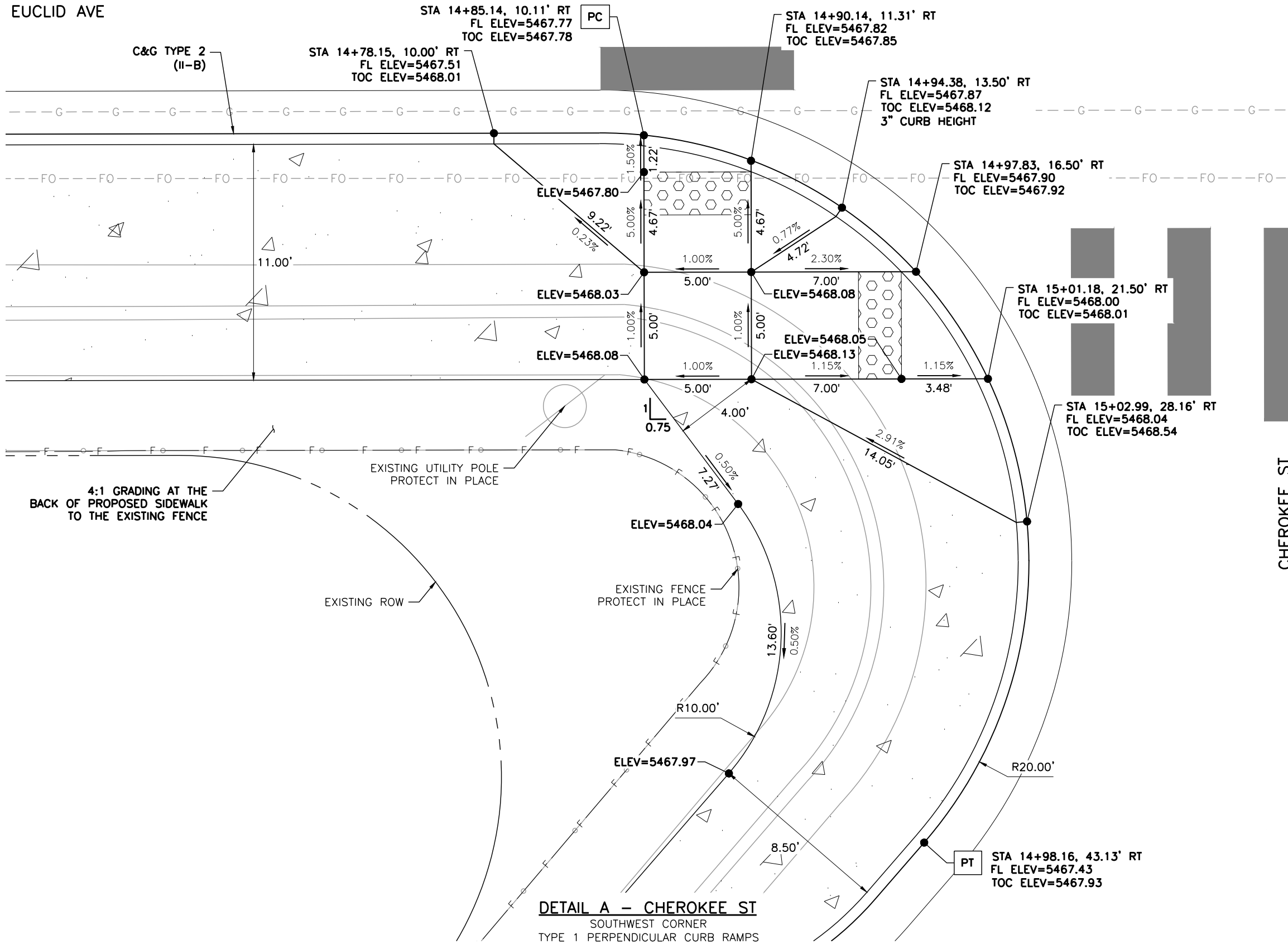
**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 ROADWAY PLAN AND PROFILES  
 ACOMA ST SOUTH

Designer: LML	Structure Numbers:
Detailer: LML	
Sheet Subset: RDWAY PNP	Subset Sheet Number: 6 of 6

<b>Project No.</b>	26-07
<b>Sheet Number:</b>	26 of 73

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EUCLID AVE



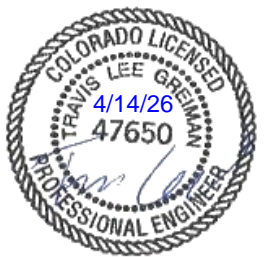
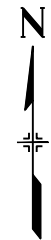
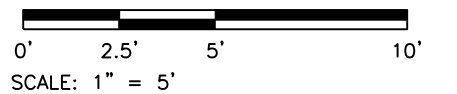
**DETAIL A - CHEROKEE ST**  
SOUTHWEST CORNER  
TYPE 1 PERPENDICULAR CURB RAMPS

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
6. FL=FLOWLINE      7. TOC=TOP OF CURB



Print Date: 4/14/2026

File Name: 1525-201872.18-CD-11-RDWAY DTLs.dwg

Horizontal Scale: 1"=5'      Vertical Scale:



Sheet Revisions			
Date	Comments	Initials	



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Littleton, Colorado 80120

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No. Revisions:

Revised:

Void:

EUCLID AVE IMPROVEMENTS - PHASE 2  
ROADWAY DETAILS

Designer: LML

Detailer: LML

Sheet Subset: RDWAY DTLs

Structure Numbers

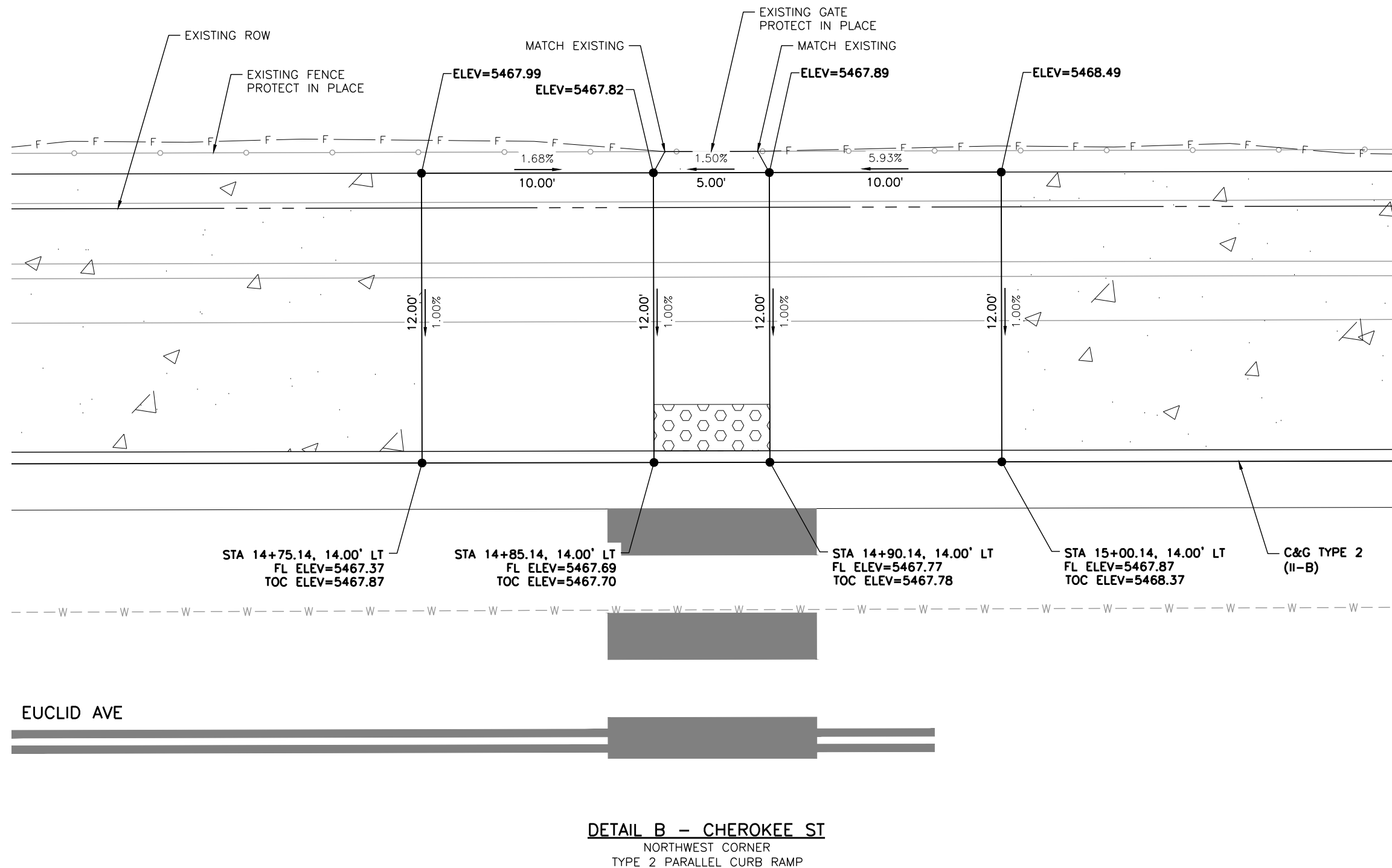
Subset Sheet Number: 1 of 25

Project No.

26-07

Sheet Number: 27 of 73

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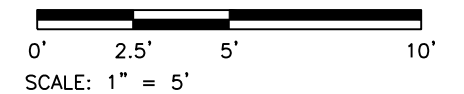


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
6. FL=FLOWLINE      7. TOC=TOP OF CURB



**DETAIL B - CHEROKEE ST**  
NORTHWEST CORNER  
TYPE 2 PARALLEL CURB RAMP

Print Date: 4/14/2026  
 File Name: 1525-201872.18-CD-11-RDWAY DTLS.dwg  
 Horizontal Scale: 1"=5'      Vertical Scale:

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 (303) 771-6868

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Date	Comments	Initials	

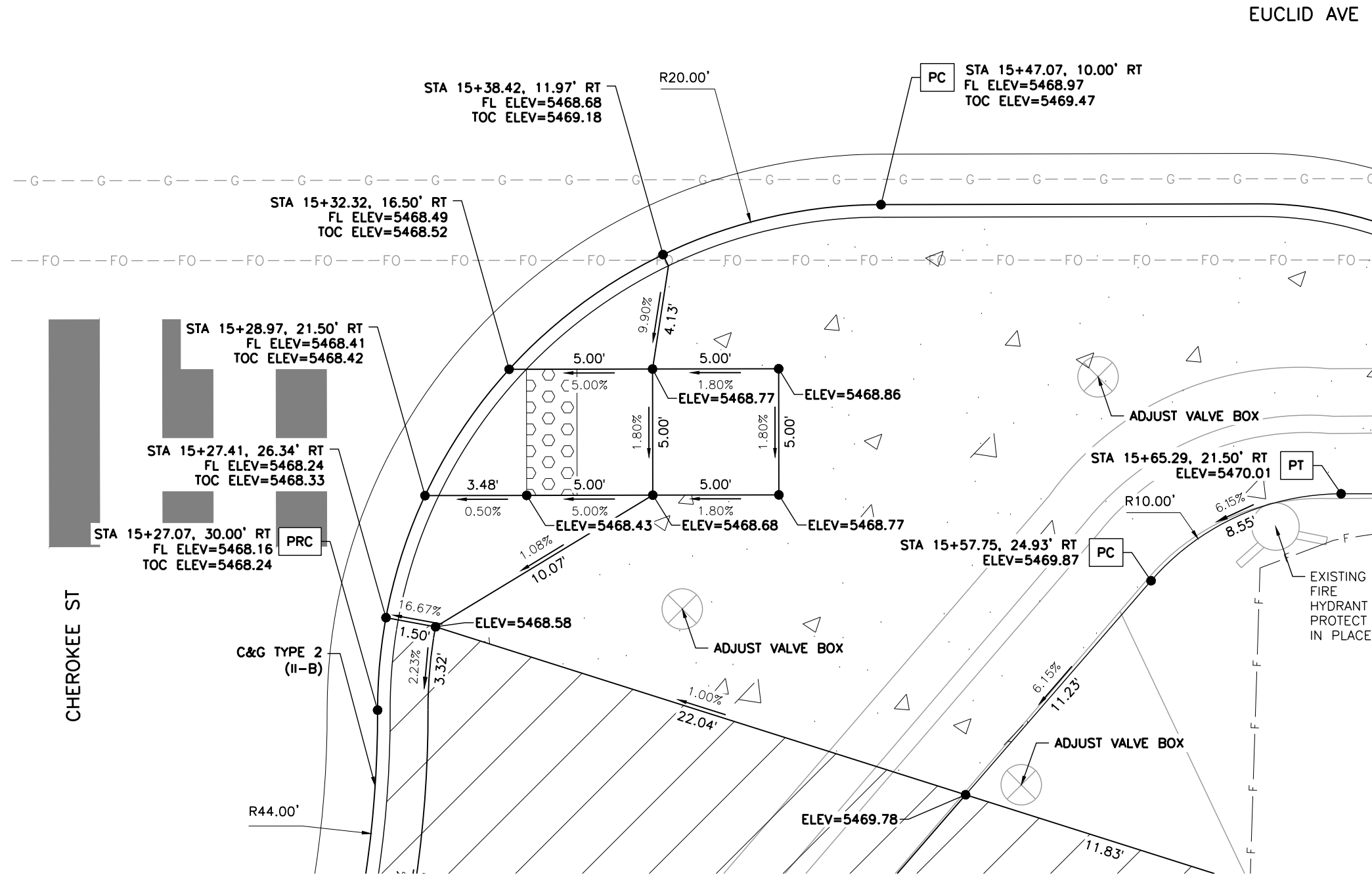
Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

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Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTLS	Subset Sheet Number:	2 of 25

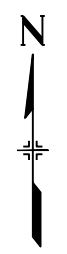
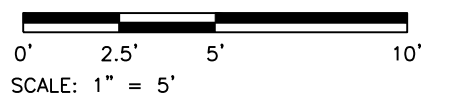
<b>Project No.</b>
26-07
Sheet Number: 28 of 73

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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL    — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
  6. FL=FLOWLINE      7. TOC=TOP OF CURB



**DETAIL C - CHEROKEE ST**  
SOUTHEAST CORNER  
TYPE 1 PERPENDICULAR CURB RAMP

Print Date: 4/14/2026  
 File Name: 1525-201872.18-CD-11-RDWAY DTLS.dwg  
 Horizontal Scale: 1"=5'    Vertical Scale:   
 5660 Greenwood Plaza Blvd, 400N  
 Greenwood Village, Colorado 80111  
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Sheet Revisions			
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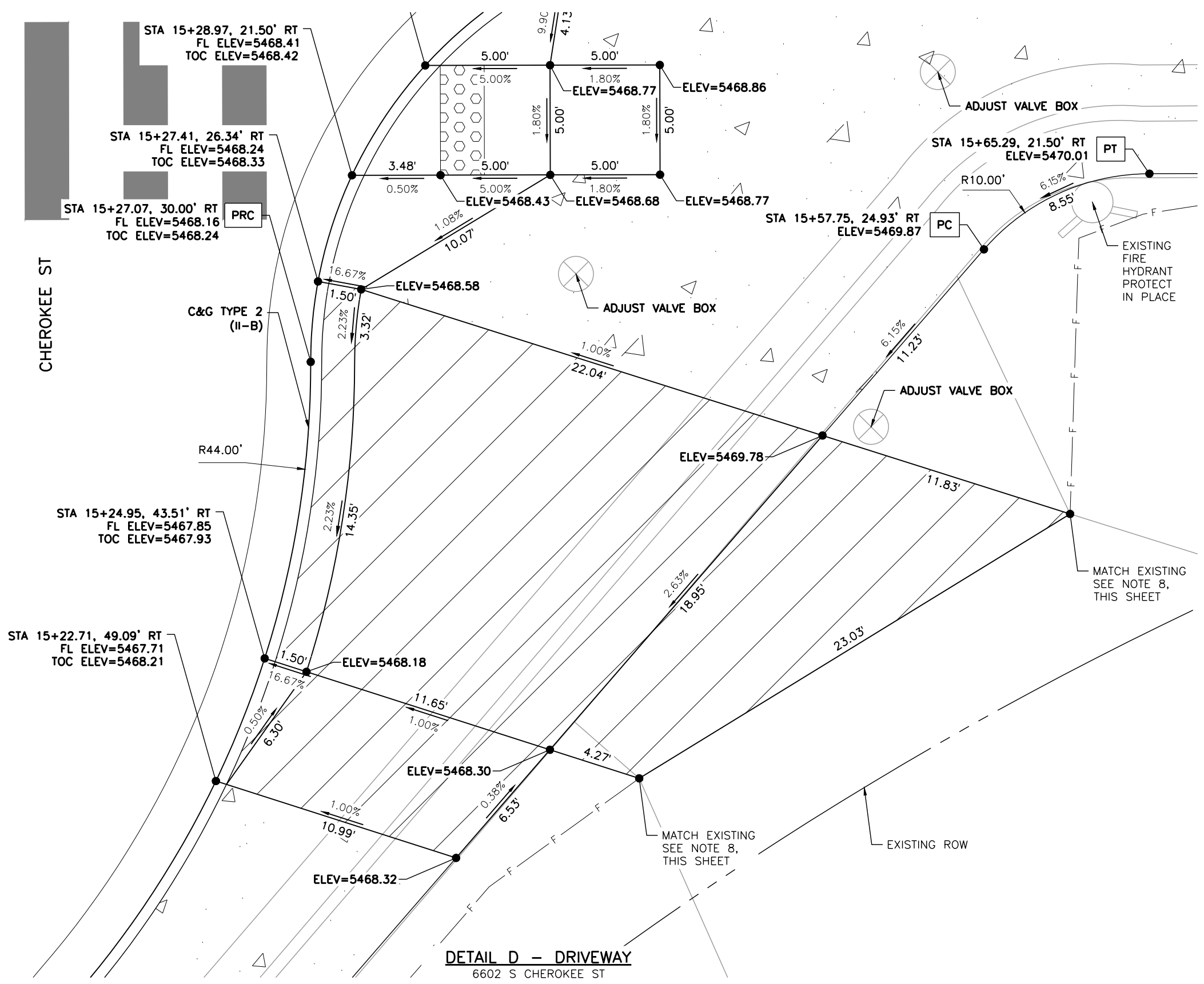
**Littleton**  
Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

<b>EUCLID AVE IMPROVEMENTS - PHASE 2</b>			
ROADWAY DETAILS			
Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTLS	Subset Sheet Number:	3 of 25

<b>Project No.</b>
26-07
Sheet Number: 29 of 73

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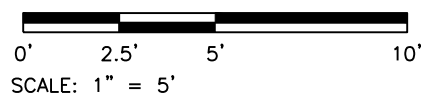


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
6. FL=FLOWLINE
7. TOC=TOP OF CURB
8. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED TIE-IN LOCATION. LINE DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.



**DETAIL D - DRIVEWAY**  
6602 S CHEROKEE ST

Print Date: 4/14/2026  
 File Name: 1525-201872.18-CD-11-RDWAY DTL5.dwg  
 Horizontal Scale: 1"=5'    Vertical Scale:   
 5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868

Sheet Revisions			
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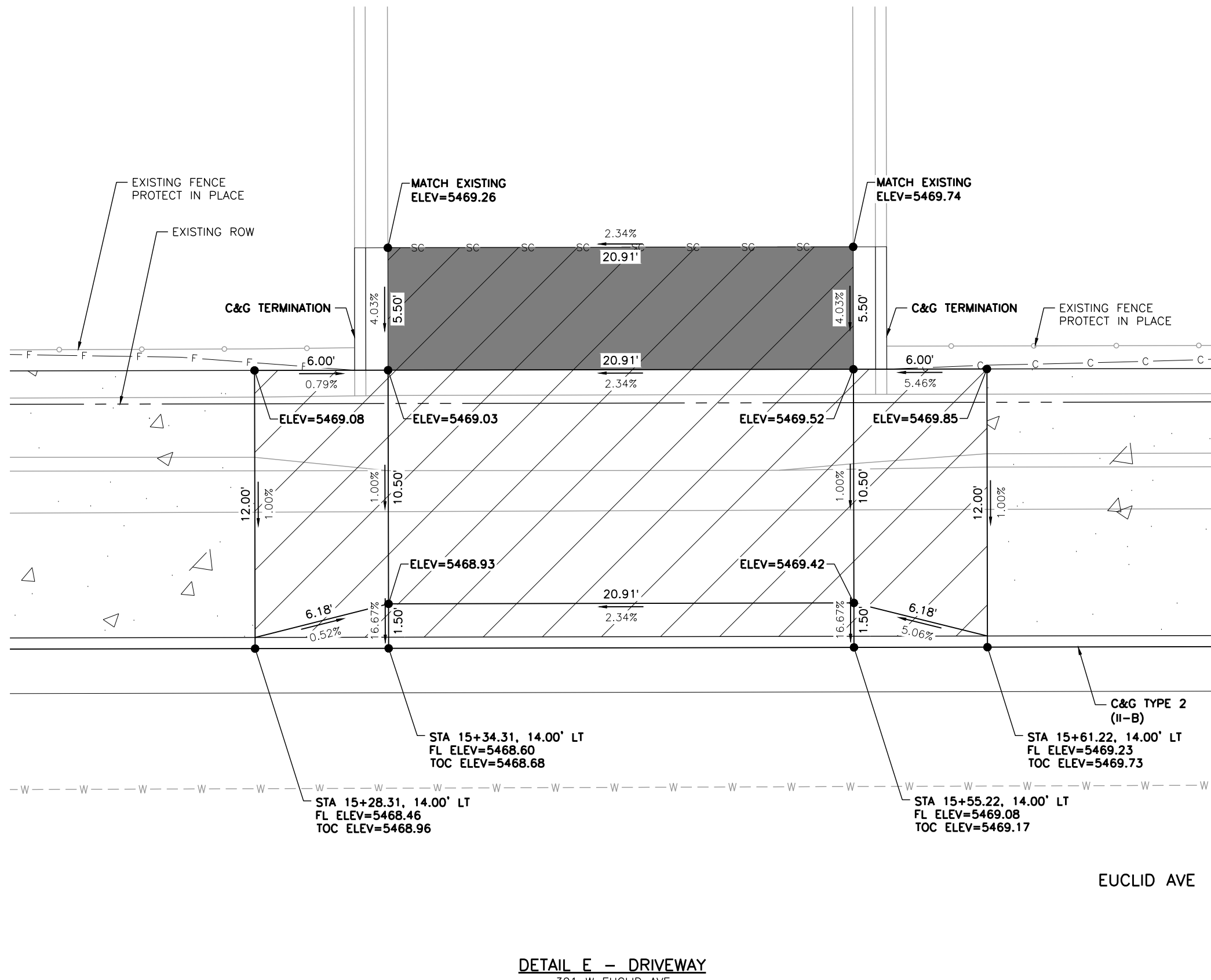
**Littleton**  
Colorado  
Public Works & Engineering  
2255 W Berry Avenue  
Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

<b>EUCLID AVE IMPROVEMENTS - PHASE 2</b>			
ROADWAY DETAILS			
Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTL5	Subset Sheet Number:	4 of 25

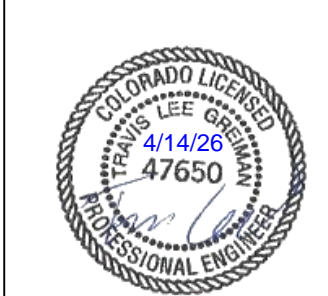
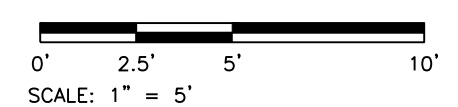
<b>Project No.</b>
26-07
Sheet Number: 30 of 73

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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL      — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
  6. FL=FLOWLINE
  7. TOC=TOP OF CURB

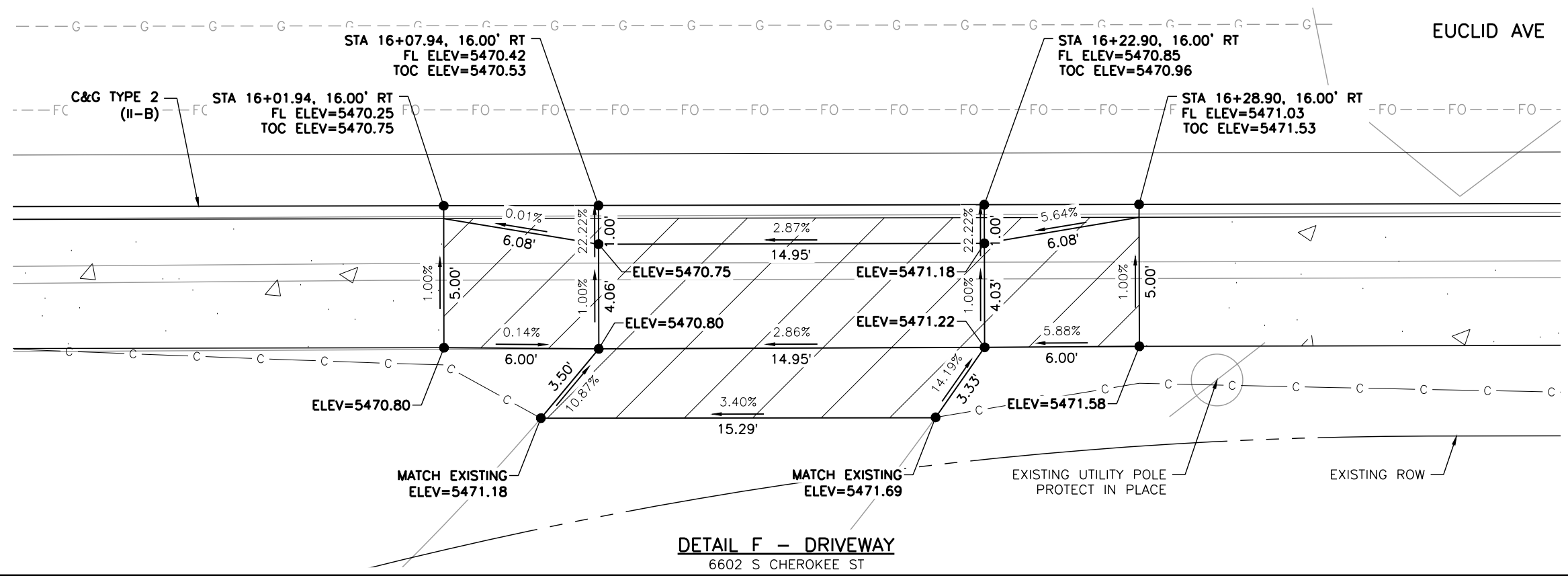


**DETAIL E - DRIVEWAY**  
301 W EUCLID AVE

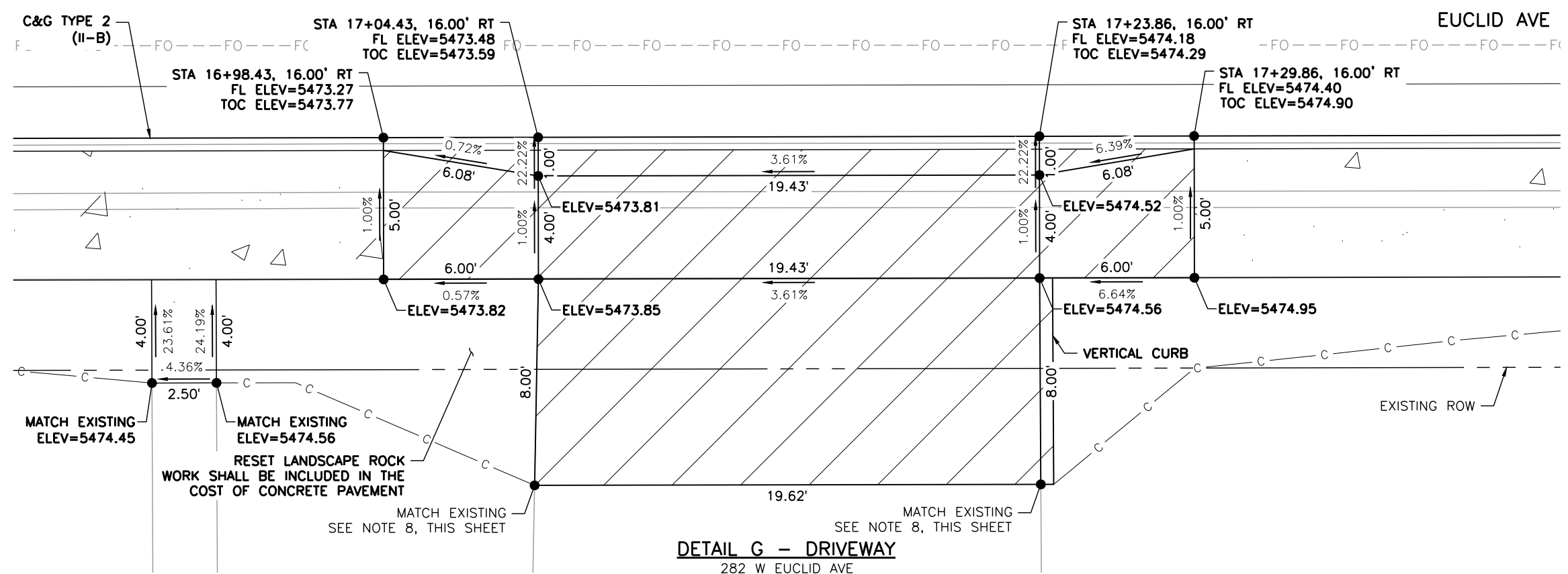
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Sheet Revisions																				
Date	Comments	Initials																		



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**DETAIL F - DRIVEWAY**  
6602 S CHEROKEE ST



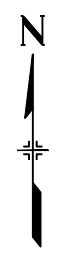
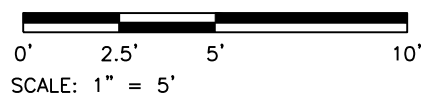
**DETAIL G - DRIVEWAY**  
282 W EUCLID AVE

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
6. FL=FLOWLINE
7. TOC=TOP OF CURB
8. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED TIE-IN LOCATION. LINE DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.



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Date	Comments	Initials	

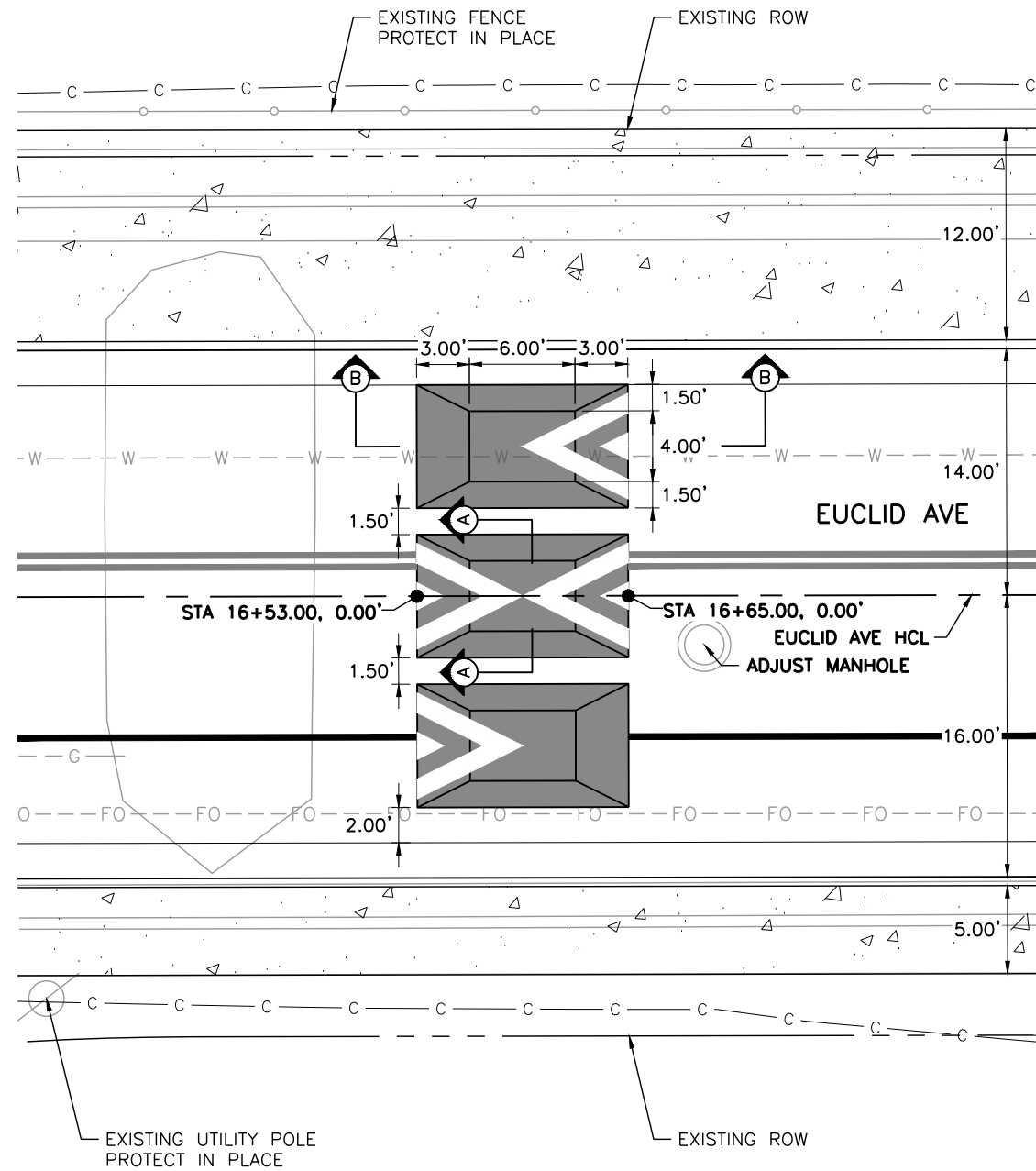
**Littleton**  
 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

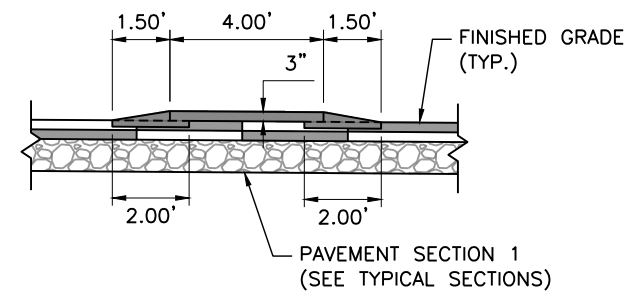
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<b>Project No.</b>
26-07
Sheet Number: 32 of 73

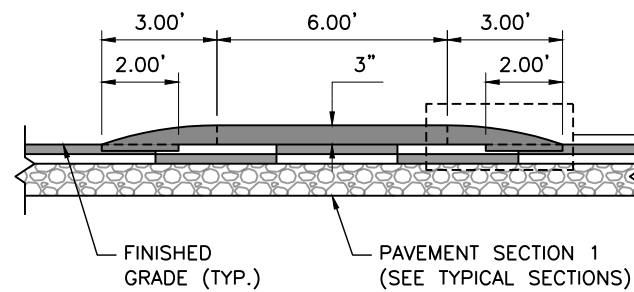
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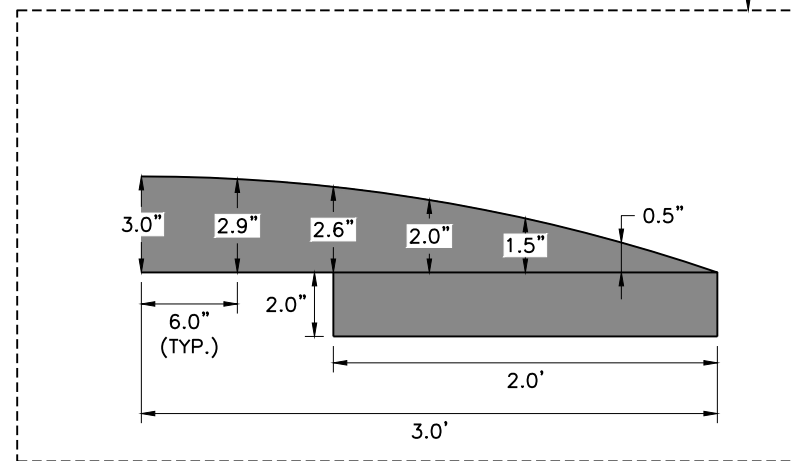
**DETAIL H - SPEED CUSHIONS**  
EAST OF CHEROKEE ST



**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

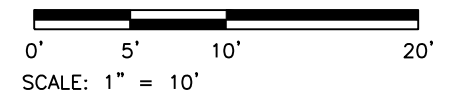


**LEGEND:**

- HOT MIX ASPHALT
- CONCRETE SIDEWALK (6 INCH)
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.



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Date	Comments	Initials	

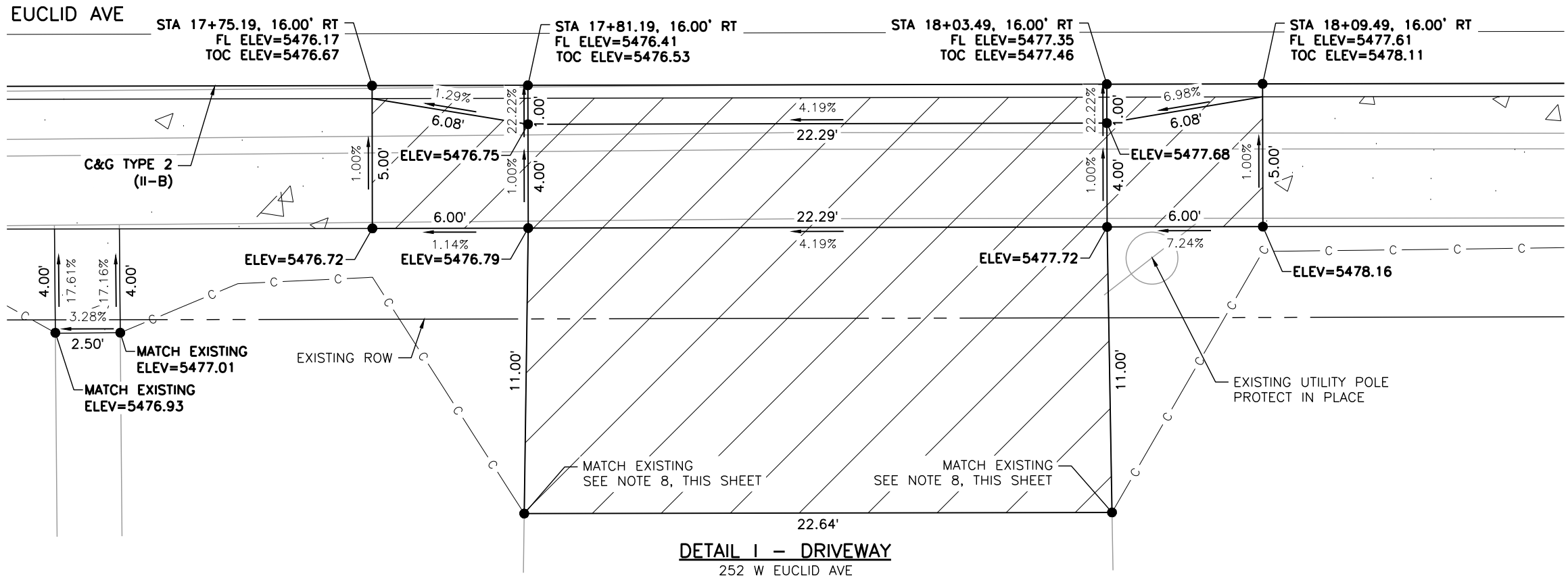
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*Colorado*  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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No. Revisions:
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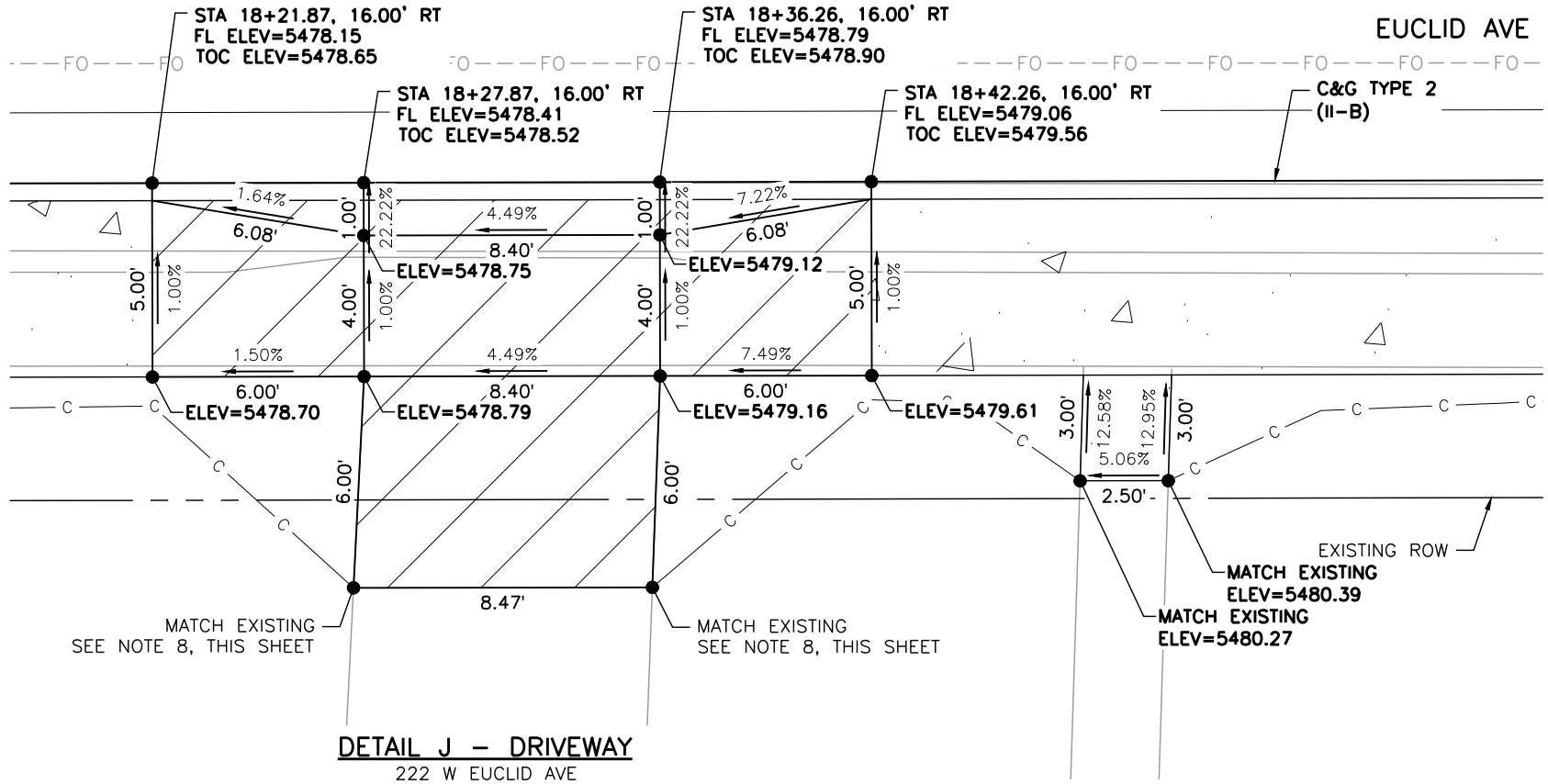
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<b>Project No.</b>
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**DETAIL I - DRIVEWAY**  
252 W EUCLID AVE



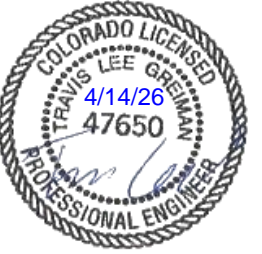
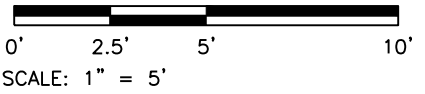
**DETAIL J - DRIVEWAY**  
222 W EUCLID AVE

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
6. FL=FLOWLINE
7. TOC=TOP OF CURB
8. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED TIE-IN LOCATION. LINE DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.



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Date	Comments	Initials	

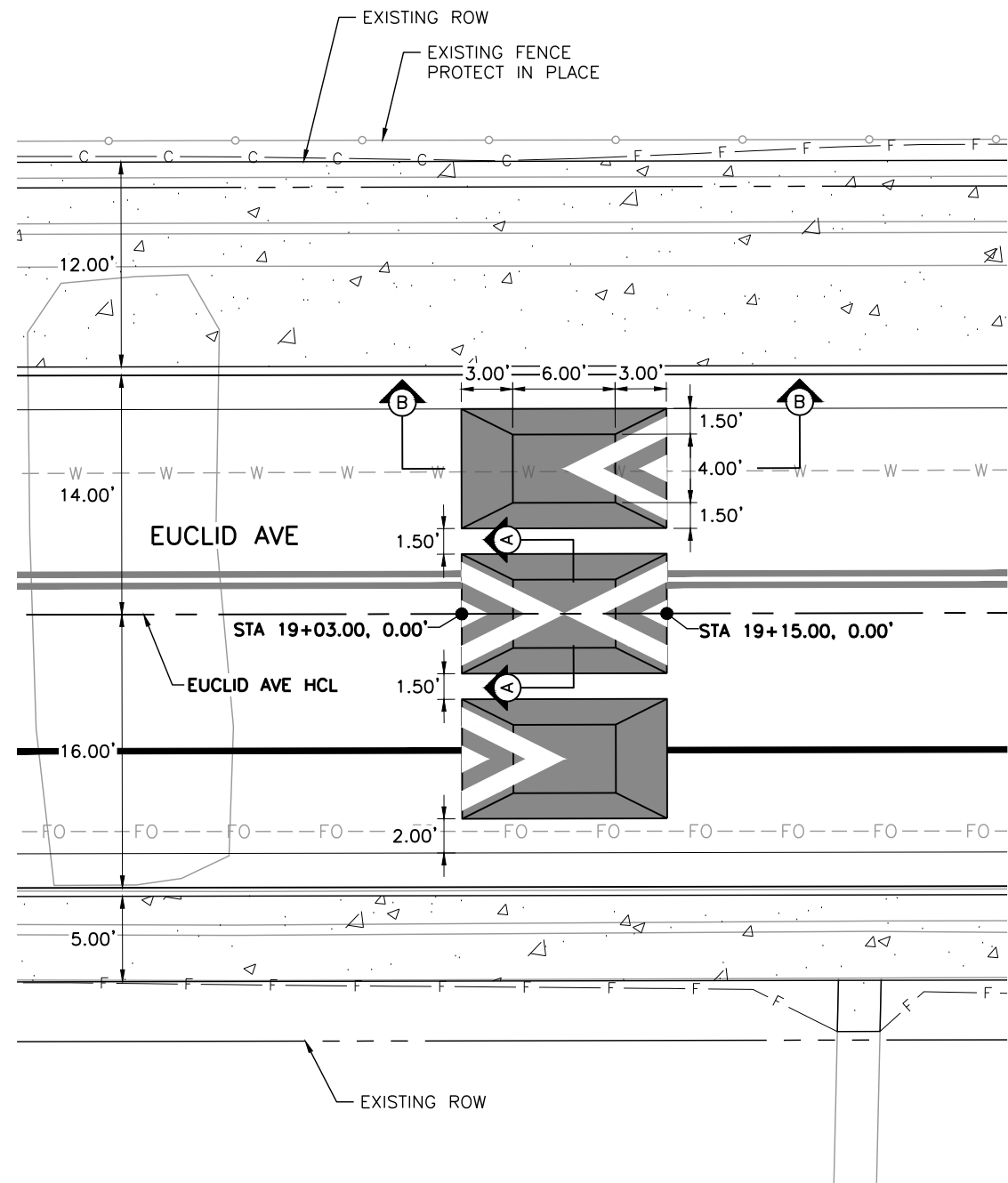
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 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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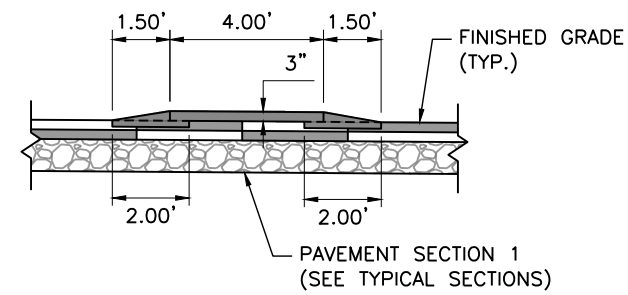
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<b>Project No.</b>
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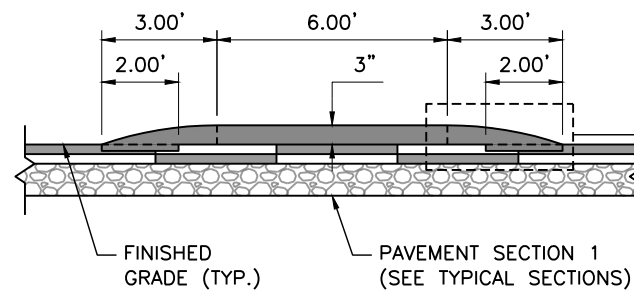
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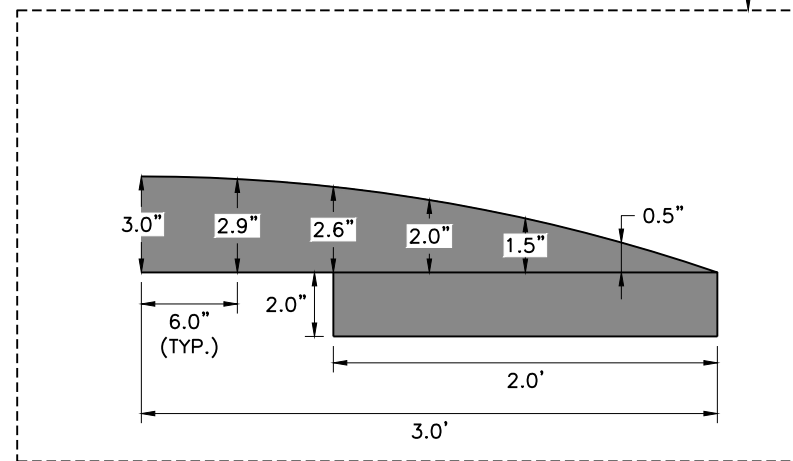
**DETAIL K - SPEED CUSHIONS**  
WEST OF ACOMA ST NORTH



**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

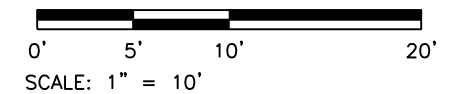


**LEGEND:**

- HOT MIX ASPHALT
- CONCRETE SIDEWALK (6 INCH)
- F— TOE OF FILL      —C— TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
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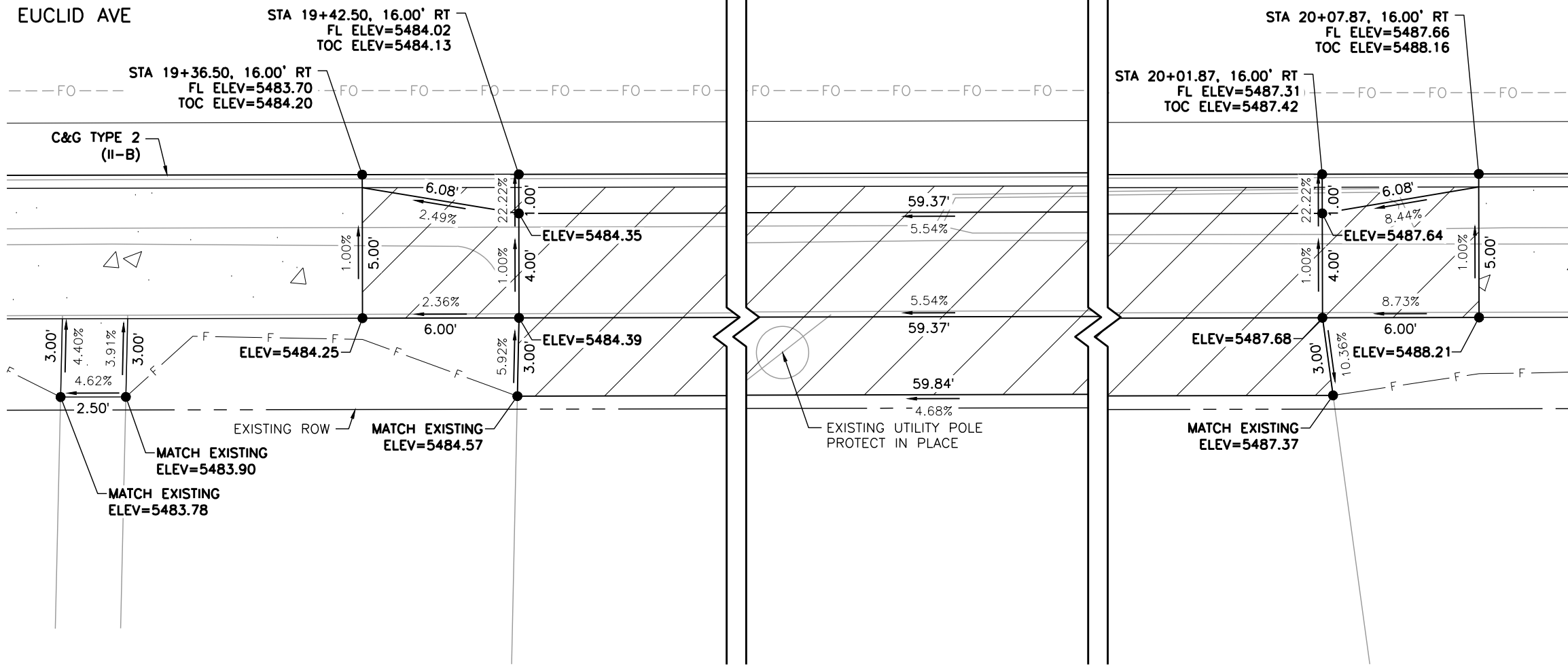
Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

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Detailer:	LML		
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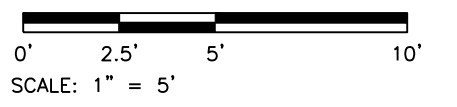
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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL    — C — TOP OF CUT

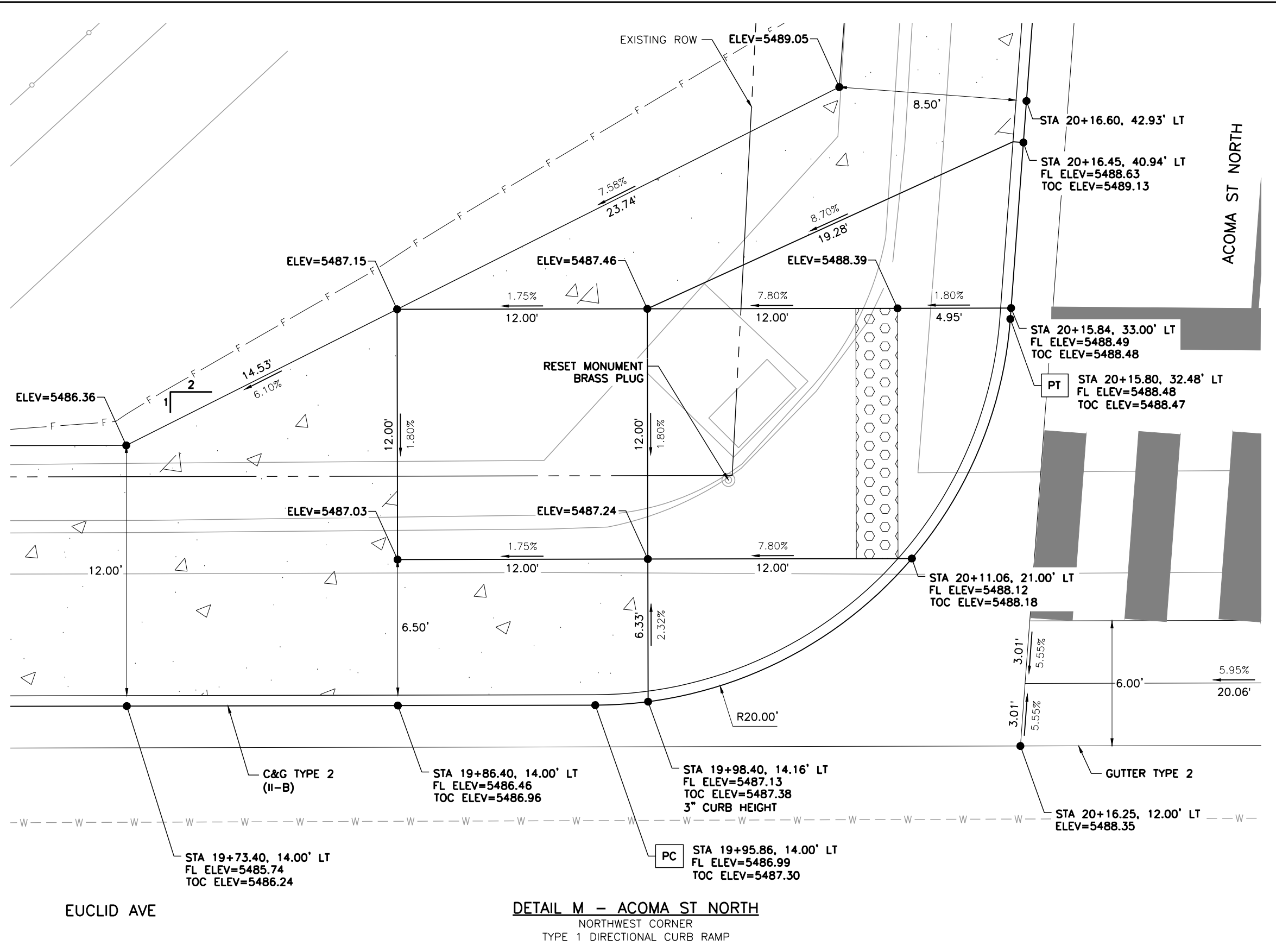
- NOTES:**
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  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
  6. FL=FLOWLINE
  7. TOC=TOP OF CURB



**DETAIL L - DRIVEWAY**  
220 W EUCLID AVE

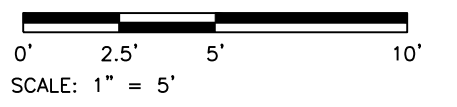
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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL    — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
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  5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
  6. FL=FLOWLINE    7. TOC=TOP OF CURB



**DETAIL M – ACOMA ST NORTH**  
 NORTHWEST CORNER  
 TYPE 1 DIRECTIONAL CURB RAMP

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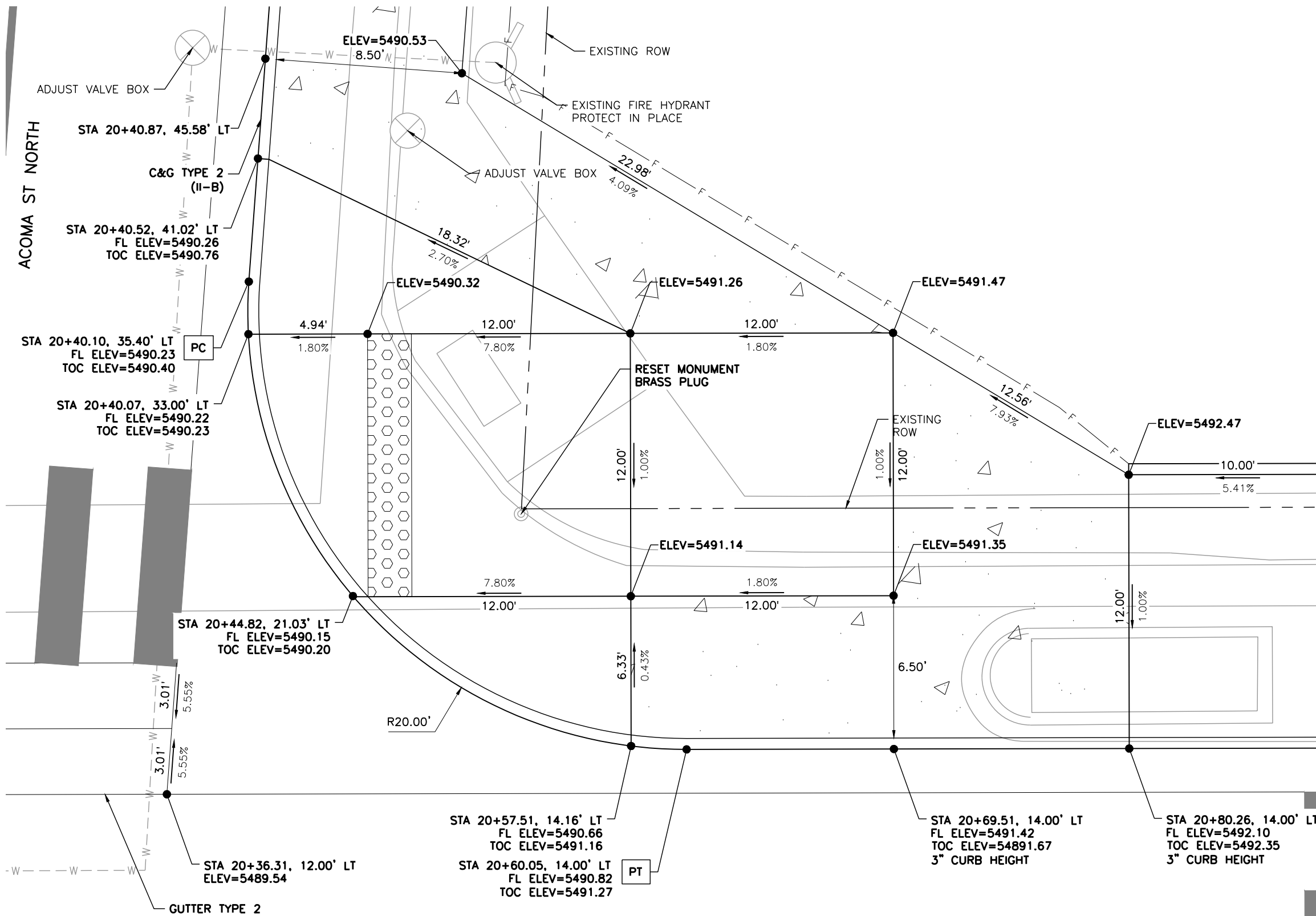
Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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No. Revisions:
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Void:

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26-07
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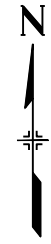
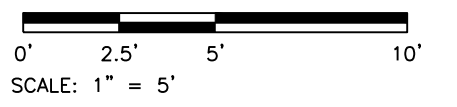


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
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**NOTES:**

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6. FL=FLOWLINE    7. TOC=TOP OF CURB



**DETAIL N - ACOMA ST NORTH**  
NORTHEAST CORNER  
TYPE 1 DIRECTIONAL CURB RAMP

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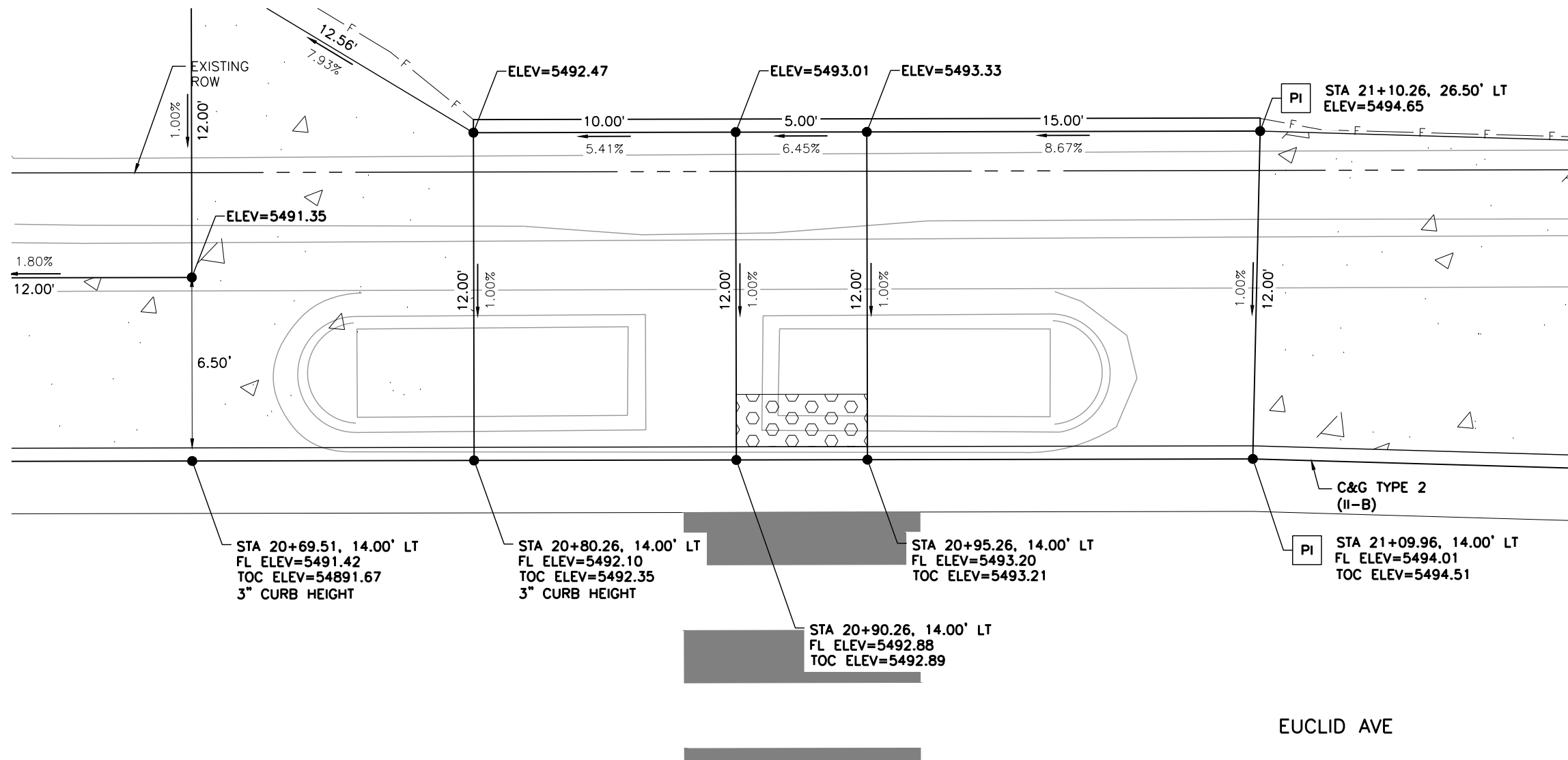
Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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No. Revisions:
Revised:
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ROADWAY DETAILS			
Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTLs	Subset Sheet Number:	12 of 25

<b>Project No.</b>
26-07
Sheet Number: 38 of 73

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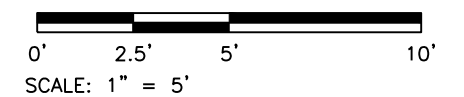
**DETAIL 0 - EUCLID AVE**  
 MIDBLOCK CROSSING  
 TYPE 2 PARALLEL RAMP

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
6. FL=FLOWLINE      7. TOC=TOP OF CURB



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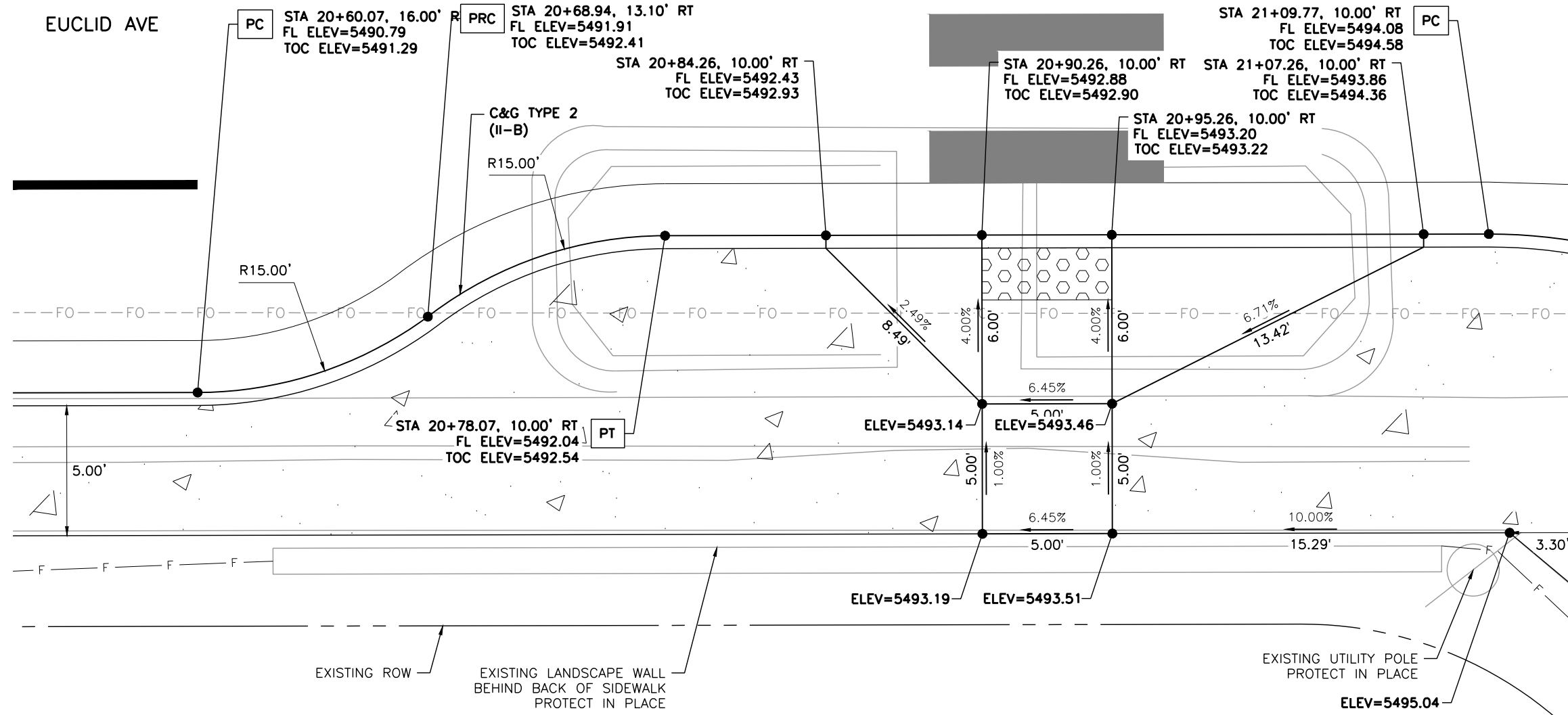
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 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

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No. Revisions:
Revised:
Void:

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Detailer:	LML		
Sheet Subset:	RDWAY DTLs	Subset Sheet Number:	13 of 25

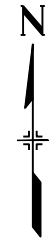
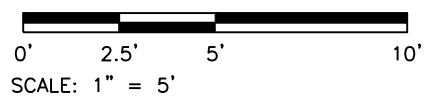
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Sheet Number: 39 of 73

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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS  
 — F — TOE OF FILL    — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
  6. FL=FLOWLINE    7. TOC=TOP OF CURB



**DETAIL P – EUCLID AVE**  
 MIDBLOCK CROSSING  
 TYPE 2 PARALLEL RAMP

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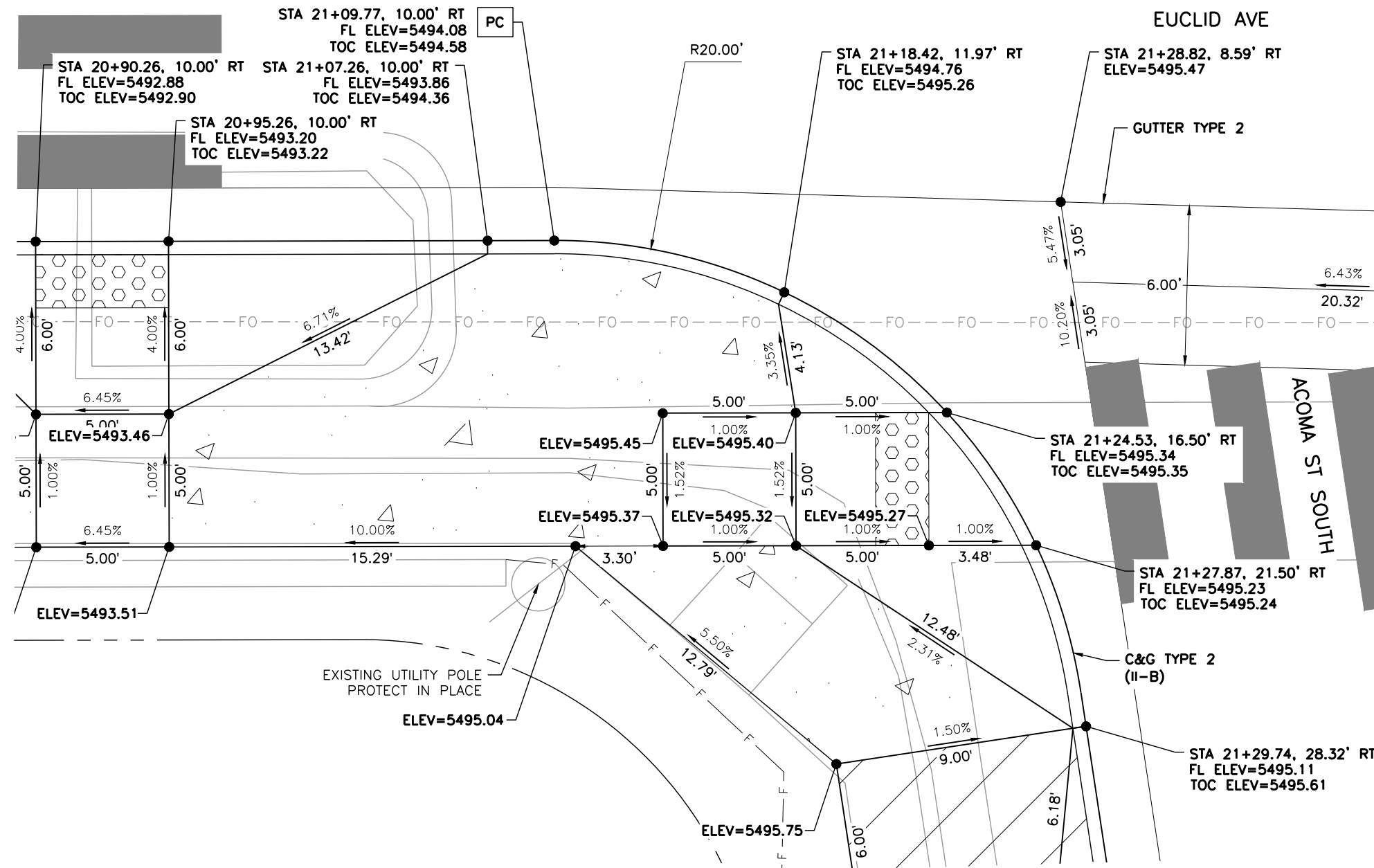
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 2255 W Berry Avenue  
 Littleton, Colorado 80120

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No. Revisions:
Revised:
Void:

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Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTLS	Subset Sheet Number:	14 of 25

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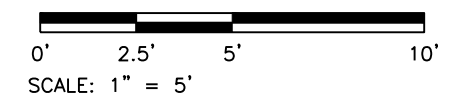
**DETAIL Q - ACOMA ST SOUTH**  
SOUTHWEST CORNER  
TYPE 1 PERPENDICULAR RAMP

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
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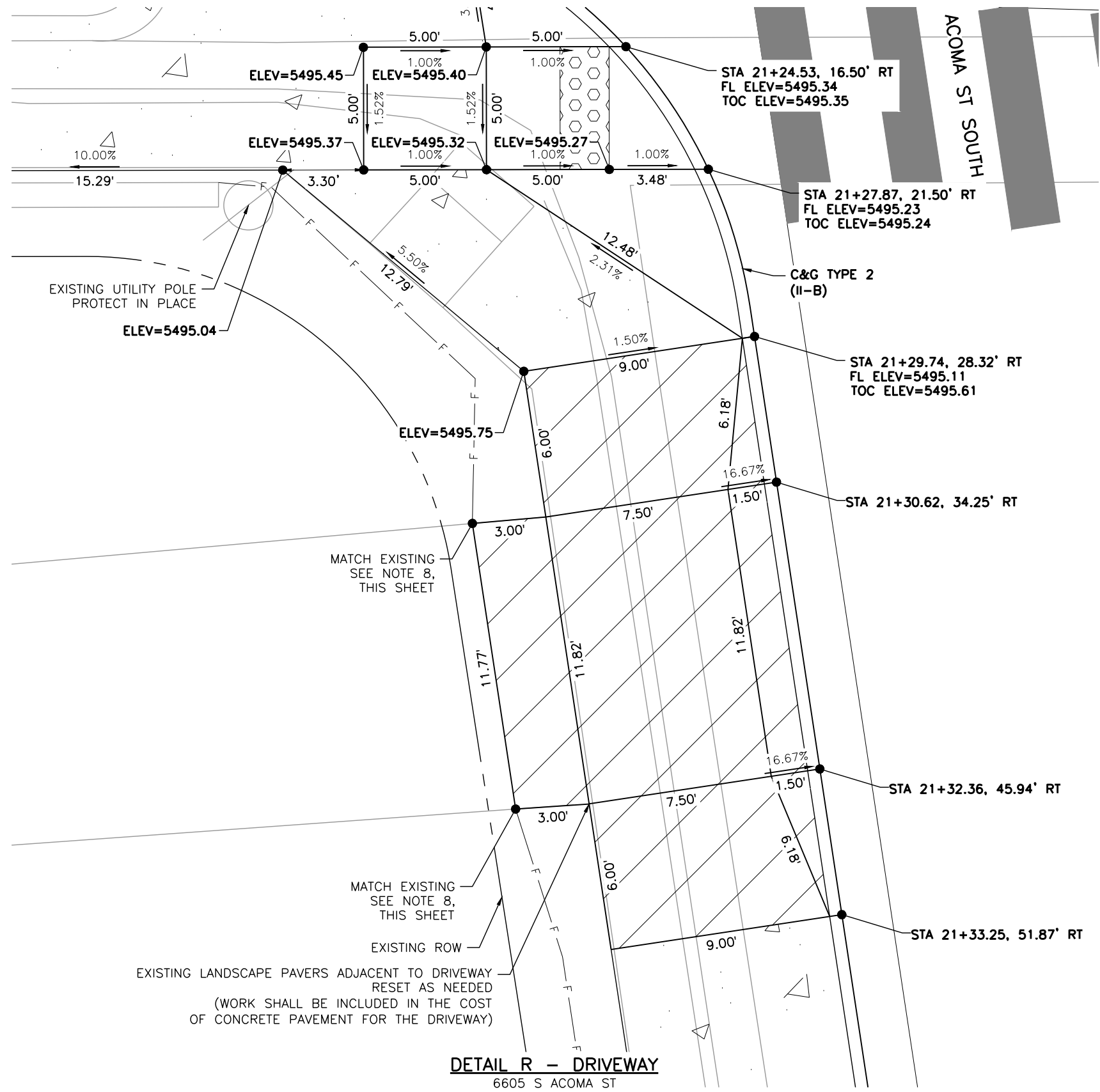
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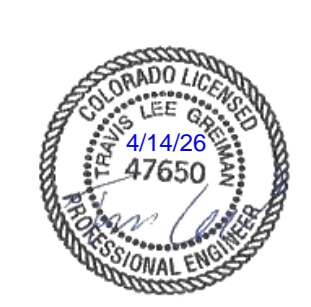
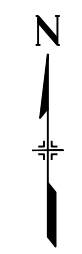
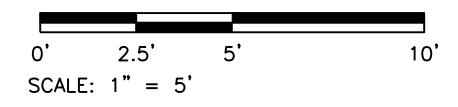


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

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5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
6. FL=FLOWLINE
7. TOC=TOP OF CURB
8. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED TIE-IN LOCATION. LINE DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.



**DETAIL R - DRIVEWAY**  
6605 S ACOMA ST

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 Littleton, Colorado 80120

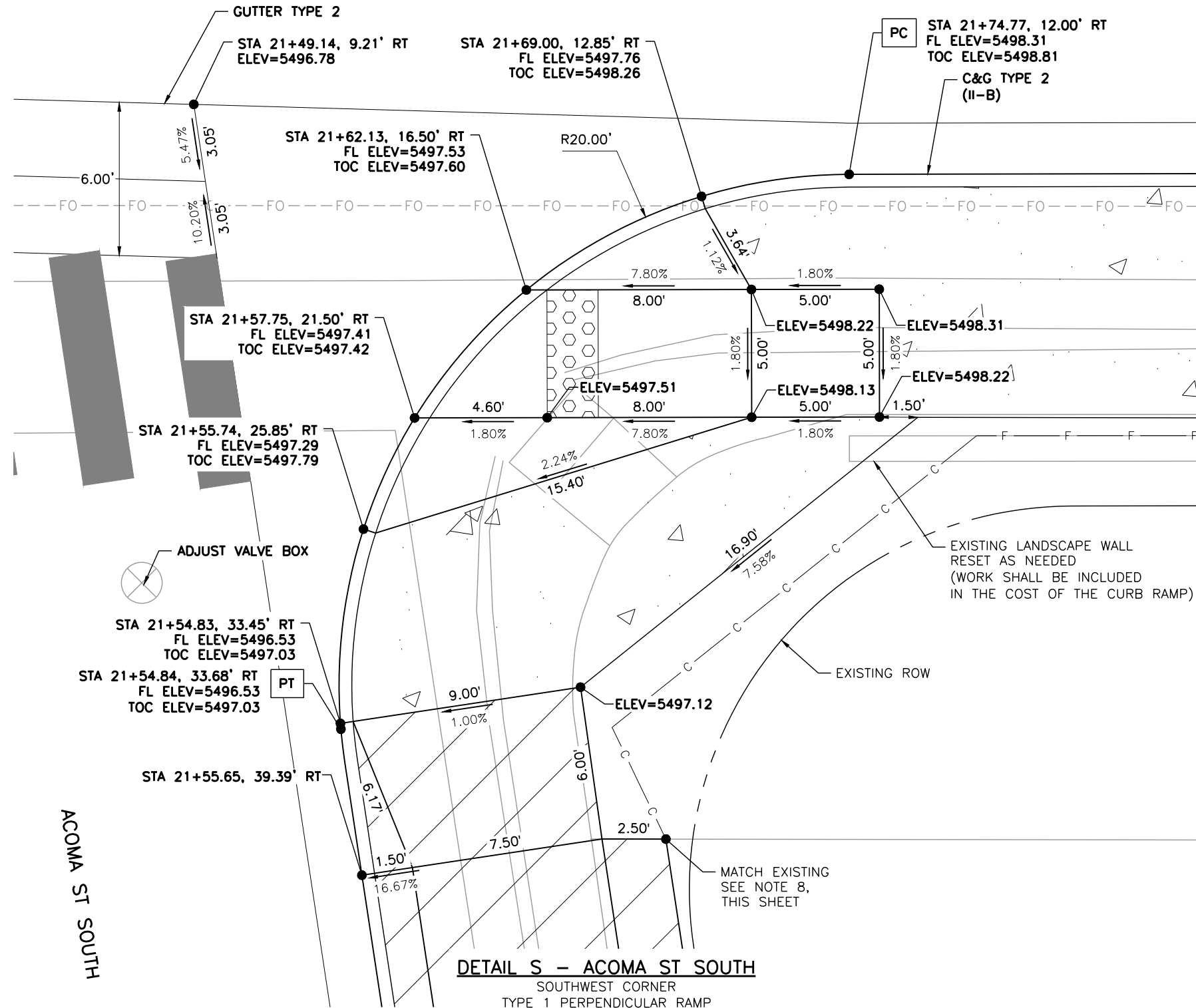
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26-07
Sheet Number: 42 of 73

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EUCLID AVE



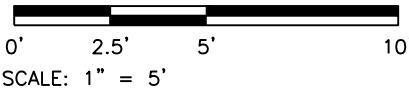
**DETAIL S - ACOMA ST SOUTH**  
SOUTHWEST CORNER  
TYPE 1 PERPENDICULAR RAMP

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

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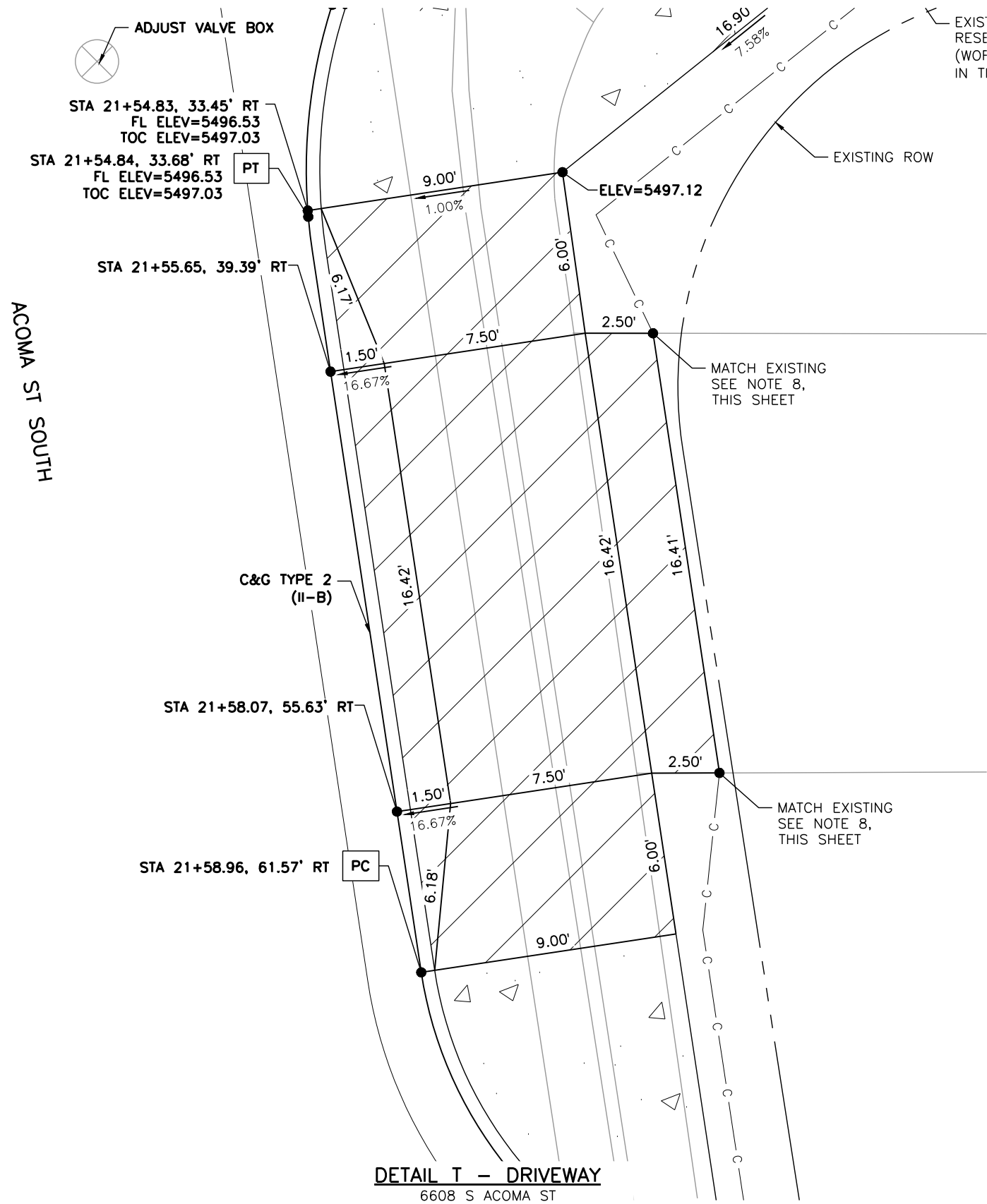
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ACOMA ST SOUTH

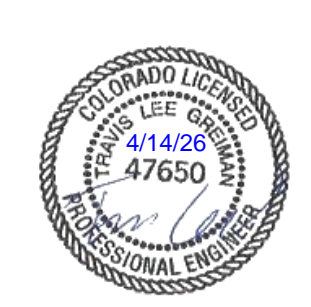
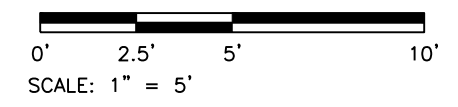


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
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- SC — SAWCUT LIMITS
- F — TOE OF FILL      — C — TOP OF CUT

**NOTES:**

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6. FL=FLOWLINE
7. TOC=TOP OF CURB
8. EXISTING TOPOGRAPHIC SURVEY ENDS PRIOR TO THE PROPOSED TIE-IN LOCATION. LINE DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.



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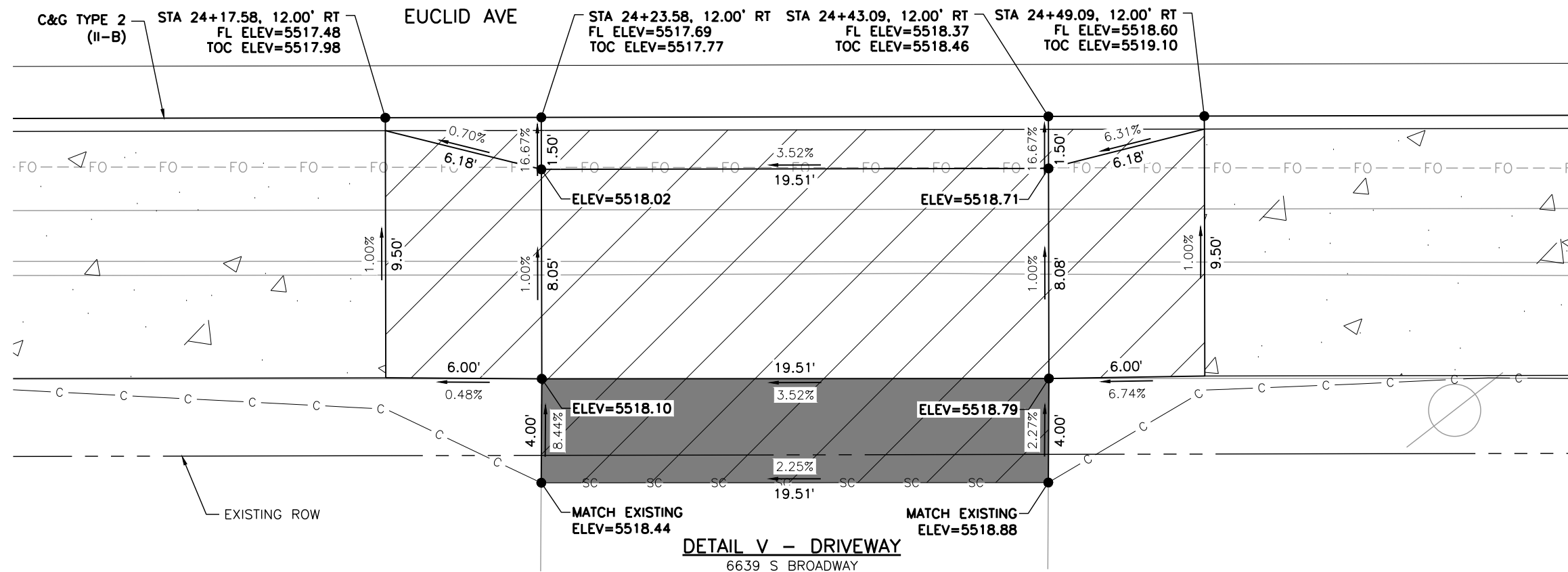
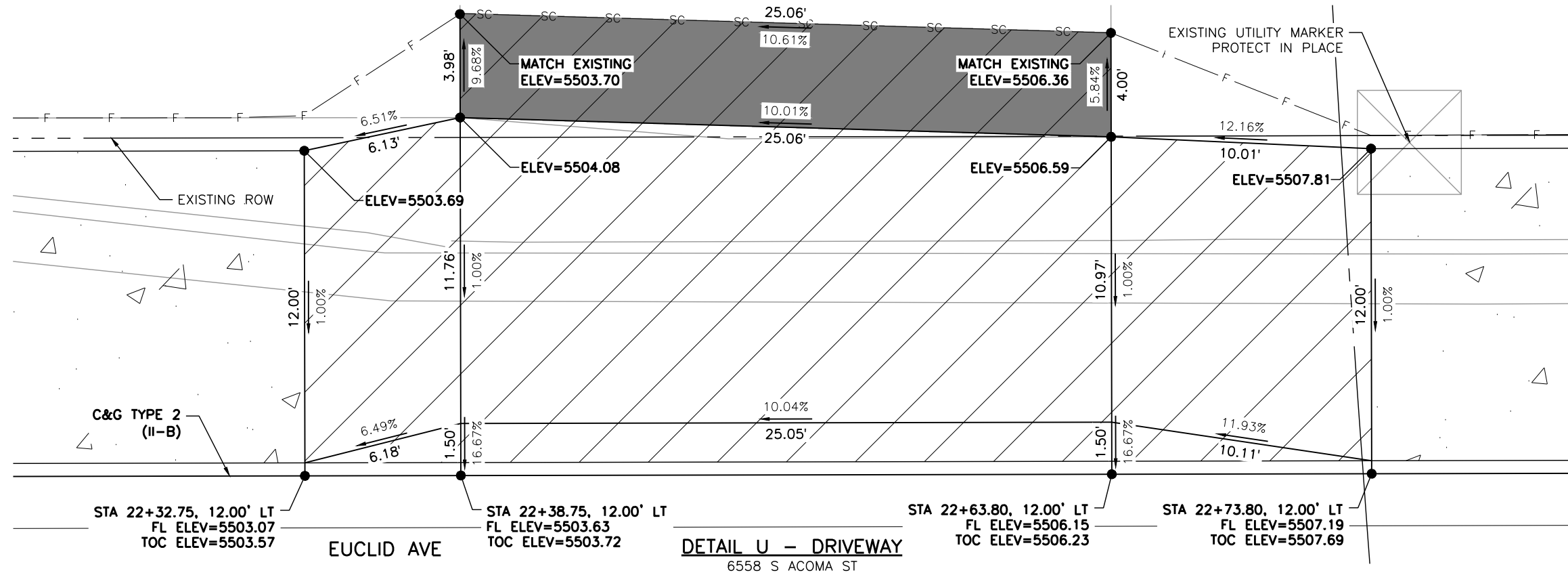
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 Littleton, Colorado 80120

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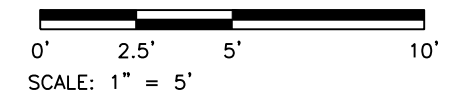


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

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7. TOC=TOP OF CURB



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Sheet Revisions			
Date	Comments	Initials	

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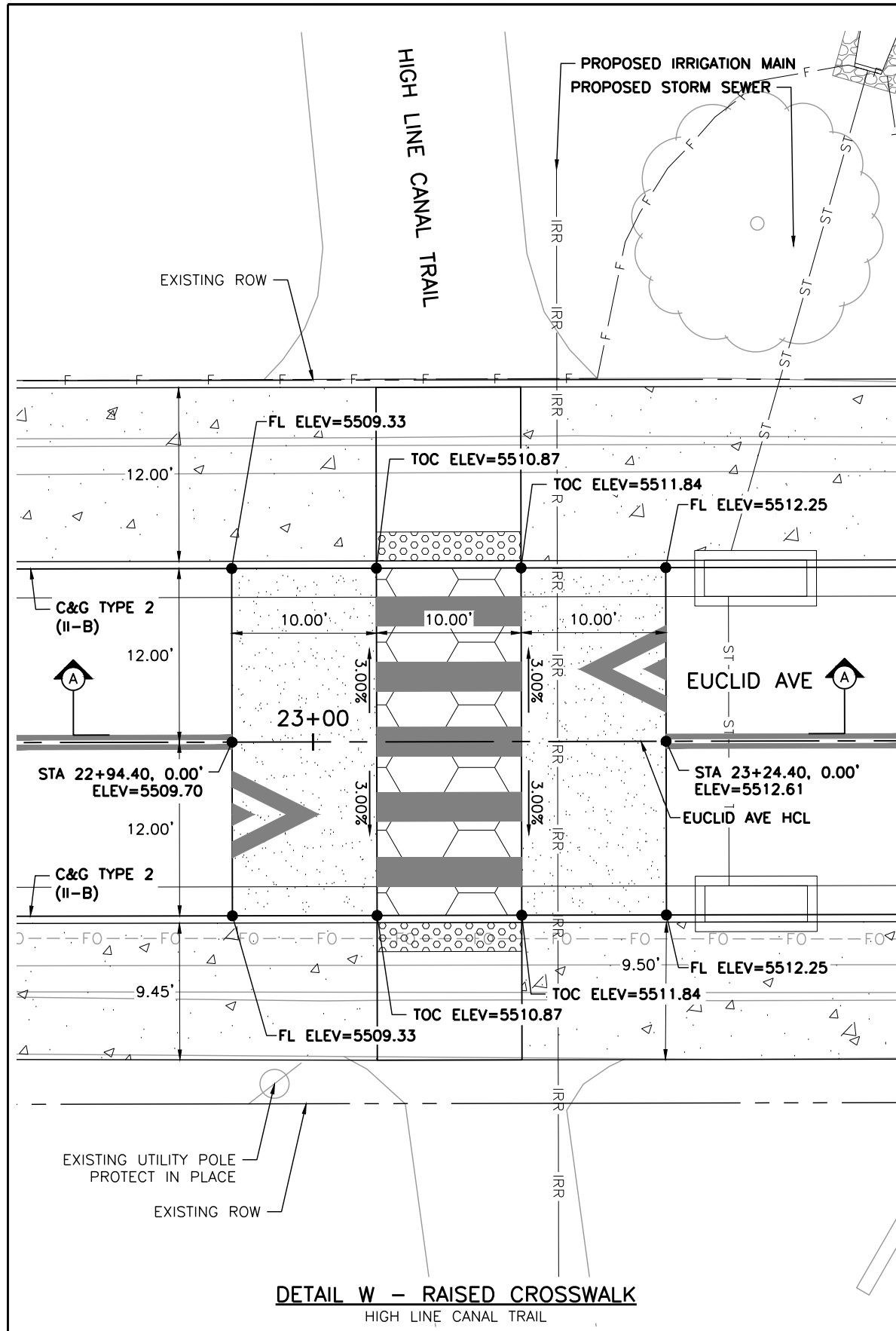
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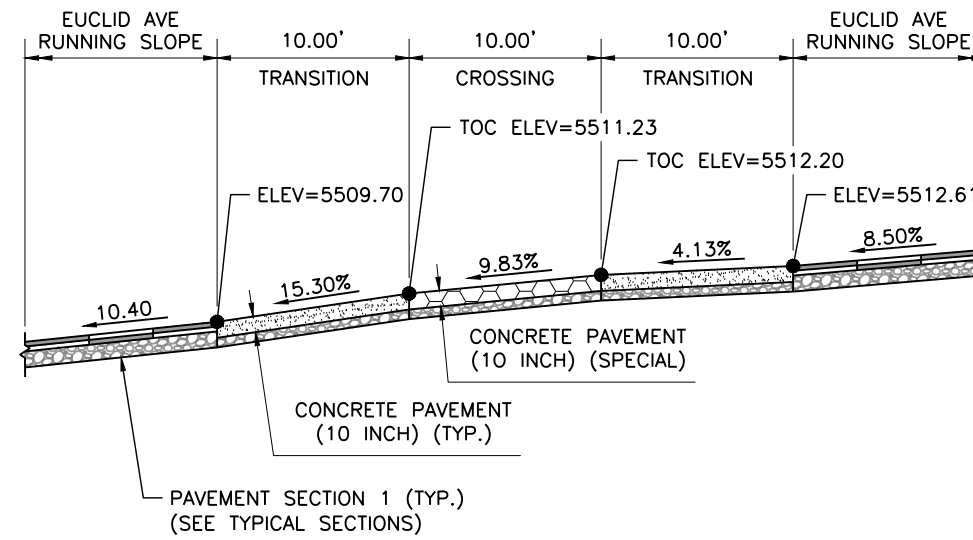
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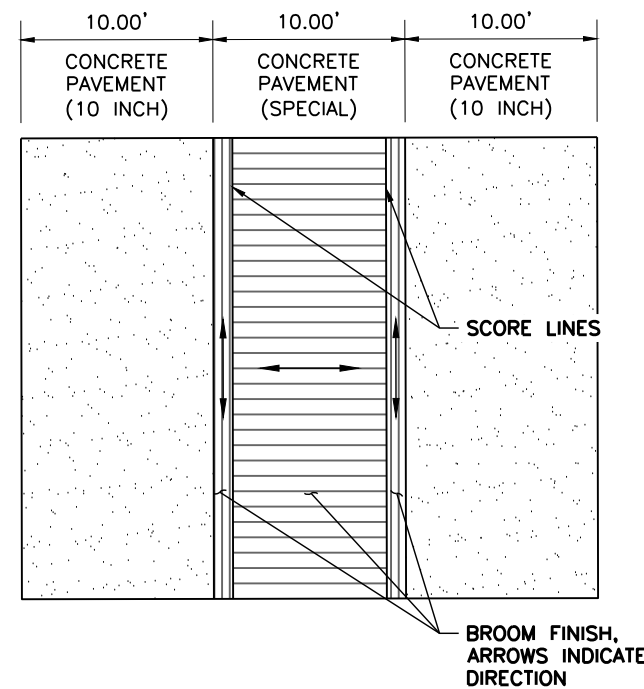
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**DETAIL W - RAISED CROSSWALK**  
HIGH LINE CANAL TRAIL



**SECTION A-A**  
RAISED CROSSWALK TYPICAL  
NOT TO SCALE



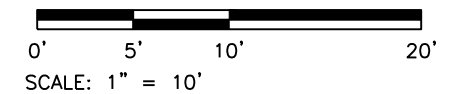
**RAISED CROSSWALK FINISHING DETAIL**  
NOT TO SCALE

**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE OR TOP OF RAISED CROSSWALK.
2. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
3. CONCRETE PAVEMENT (SPECIAL) SHALL INCLUDE AN INTEGRAL COLOR ADMIXTURE, FEDERAL COLOR 20109 "RED BROWN".
4. PROPOSED SLOPES ARROWS ARE POINTING TOWARDS THE LOW POINT.
5. REFER TO THE STORM SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION ON STORM SEWER IMPROVEMENTS.
6. REFER TO THE IRRIGATION PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION ON PROPOSED IMPROVEMENTS AT THE HIGH LINE CANAL TRAIL.
7. FL=FLOWLINE
8. TOC=TOP OF CROSSING



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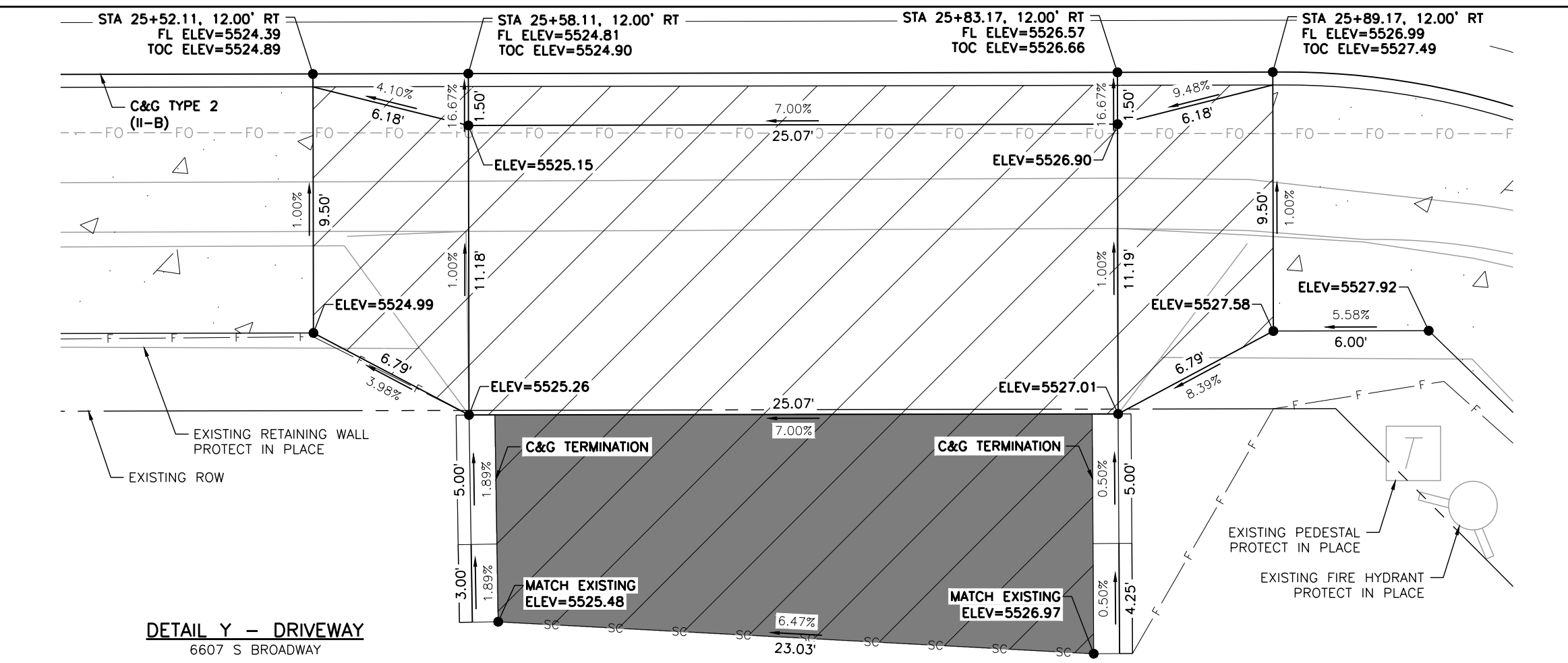
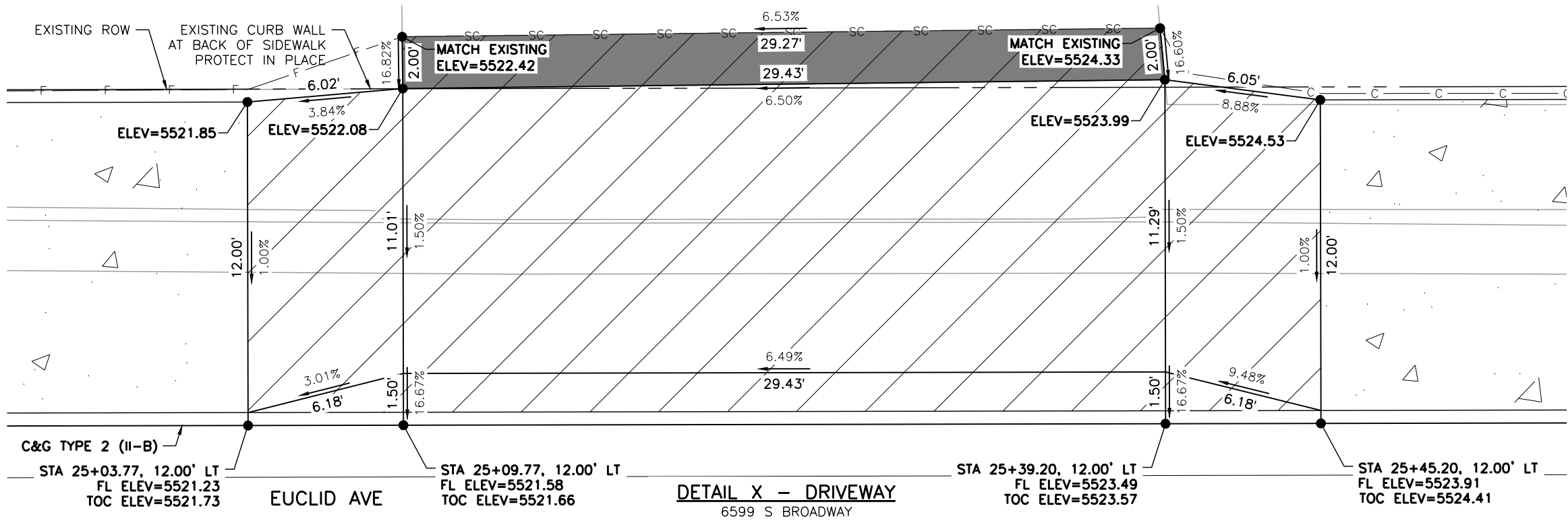
Sheet Revisions			
Date	Comments	Initials	

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As Constructed	EUCLID AVE IMPROVEMENTS - PHASE 2 ROADWAY DETAILS	
No. Revisions:	Designer: LML	Structure Numbers
Revised:	Detailer: LML	
Void:	Sheet Subset: RDWD DTL5	Subset Sheet Number: 20 of 25

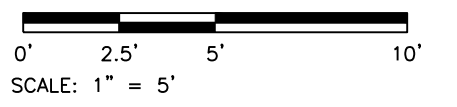
Project No.
26-07
Sheet Number: 46 of 73

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- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS  
 — F — TOE OF FILL — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR SHALL MODIFY AND FIELD-FIT THE DESIGN AS NECESSARY.
  6. FL=FLOWLINE
  7. TOC=TOP OF CURB



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Sheet Revisions			
Date	Comments	Initials	

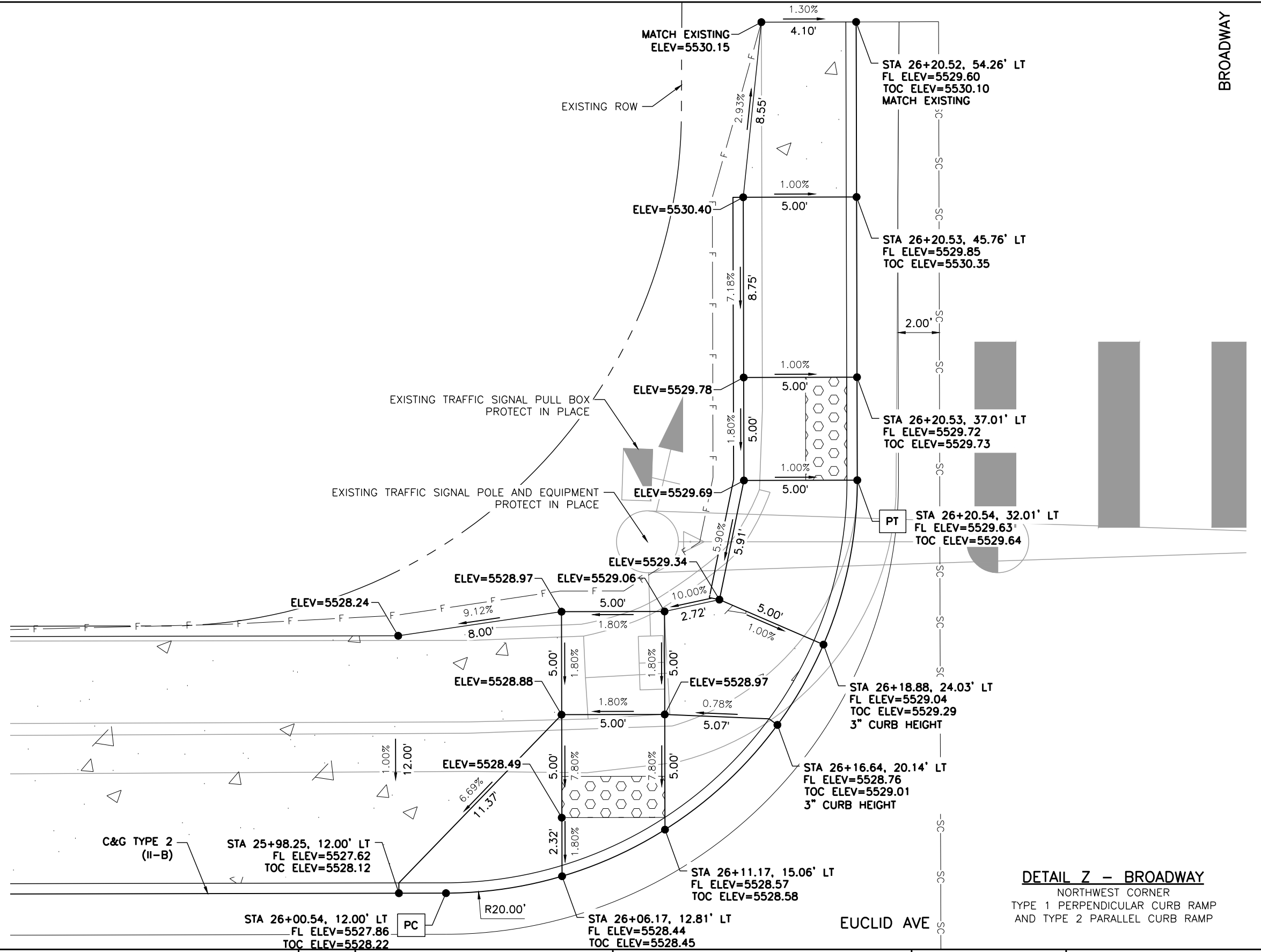
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 Colorado

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 Littleton, Colorado 80120

As Constructed	EUCLID AVE IMPROVEMENTS - PHASE 2	
No. Revisions:	ROADWAY DETAILS	
Revised:	Designer: LML	Structure Numbers
Void:	Detailer: LML	
	Sheet Subset: RDWAY DTL5	Subset Sheet Number: 21 of 25

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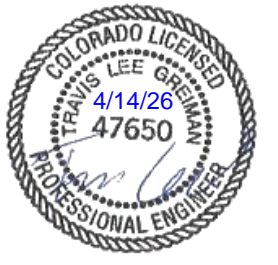
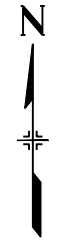
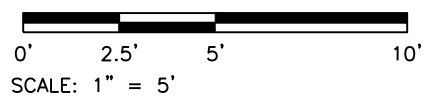
BROADWAY

EUCLID AVE

**DETAIL Z - BROADWAY**  
NORTHWEST CORNER  
TYPE 1 PERPENDICULAR CURB RAMP  
AND TYPE 2 PARALLEL CURB RAMP

- LEGEND:**
- HOT MIX ASPHALT (PATCHING)
  - CONCRETE PAVEMENT (6 INCH)
  - CONCRETE PAVEMENT (10 INCH)
  - CONCRETE PAVEMENT (SPECIAL)
  - CONCRETE SIDEWALK (6 INCH)
  - DETECTABLE WARNING SURFACE (2 FEET MIN.)
  - SC — SAWCUT LIMITS
  - F — TOE OF FILL    — C — TOP OF CUT

- NOTES:**
1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
  2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
  3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
  4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
  5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
  6. FL=FLOWLINE    7. TOC=TOP OF CURB



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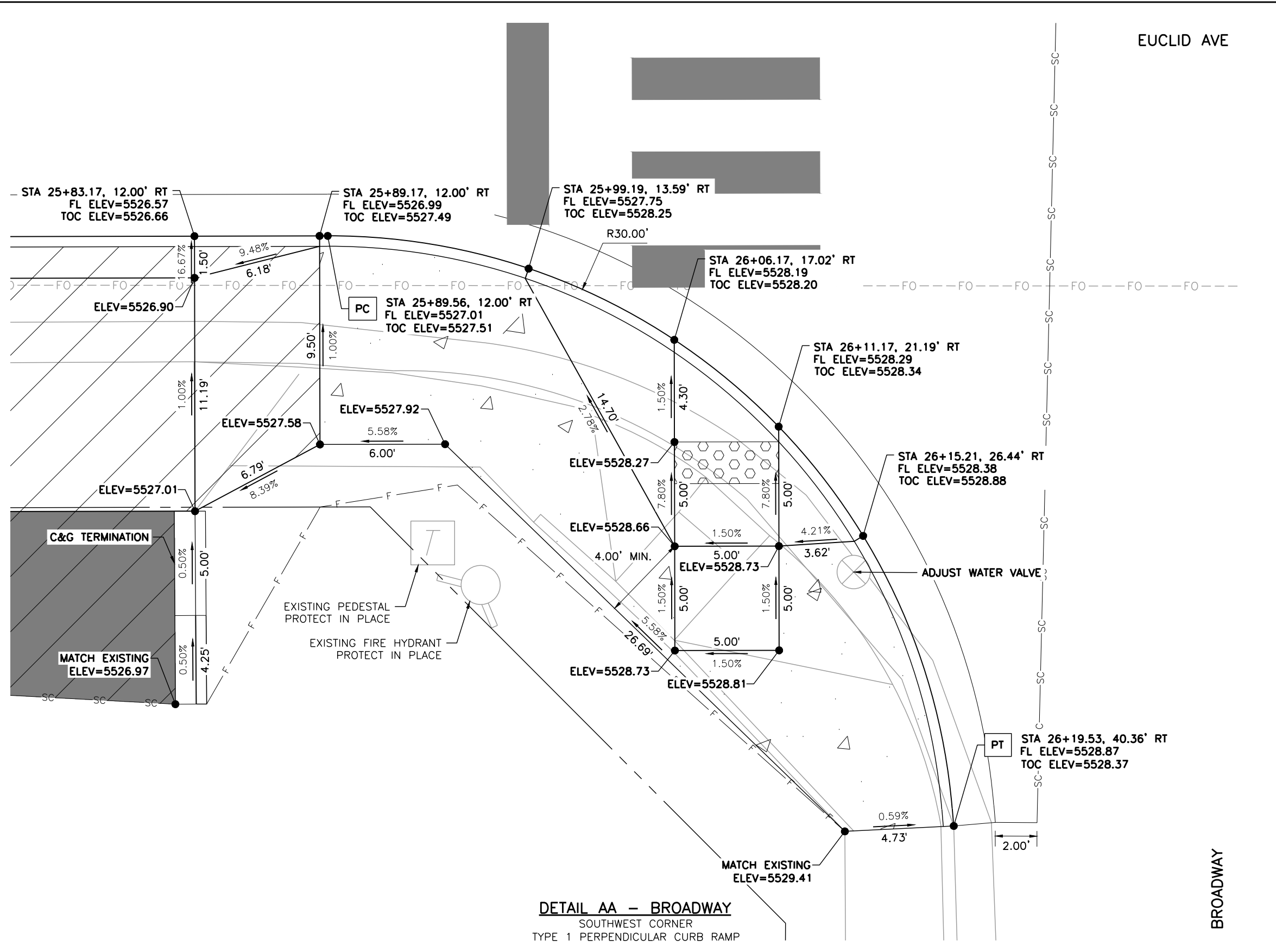
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Littleton, Colorado 80120

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Void:	

EUCLID AVE IMPROVEMENTS - PHASE 2 ROADWAY DETAILS			
Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	RDWAY DTLs	Subset Sheet Number:	22 of 25

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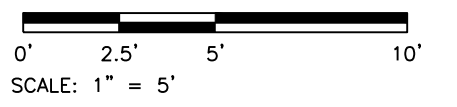


**LEGEND:**

- HOT MIX ASPHALT (PATCHING)
- CONCRETE PAVEMENT (6 INCH)
- CONCRETE PAVEMENT (10 INCH)
- CONCRETE PAVEMENT (SPECIAL)
- CONCRETE SIDEWALK (6 INCH)
- DETECTABLE WARNING SURFACE (2 FEET MIN.)
- SC — SAWCUT LIMITS
- F — TOE OF FILL    — C — TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. LINE AND CURVE DIMENSIONS AND PROPOSED SLOW ARROWS (POINTING TOWARDS THE LOW POINT) ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE.
3. TIE-IN LOCATIONS ARE APPROXIMATE. TIE-IN LOCATIONS SHALL BE TO THE NEAREST EXISTING JOINT.
4. EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE SIDEWALK AND BACK OF CURB AND AROUND FIXED OBJECTS. EXPANSION MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.
5. CURB RAMP CONSTRUCTION SHALL CONFORM TO THE GRADE, WIDTH, AND LENGTH REQUIREMENTS AS SHOWN IN CDOT STD PLAN NO. M-608-1. WHERE FIELD CONDITIONS PREVENT A FULLY COMPLIANT FACILITY, THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE FIELD CONSTRAINTS, DOCUMENT THAT THE FACILITY WILL BE BUILT TO BE COMPLIANT TO THE MAXIMUM EXTENT FEASIBLE, AND DOCUMENT AND EXCEPTION TO BE FILED WITH THE CITY.
6. FL=FLOWLINE    7. TOC=TOP OF CURB



**DETAIL AA - BROADWAY**  
SOUTHWEST CORNER  
TYPE 1 PERPENDICULAR CURB RAMP

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Sheet Revisions			
Date	Comments	Initials	

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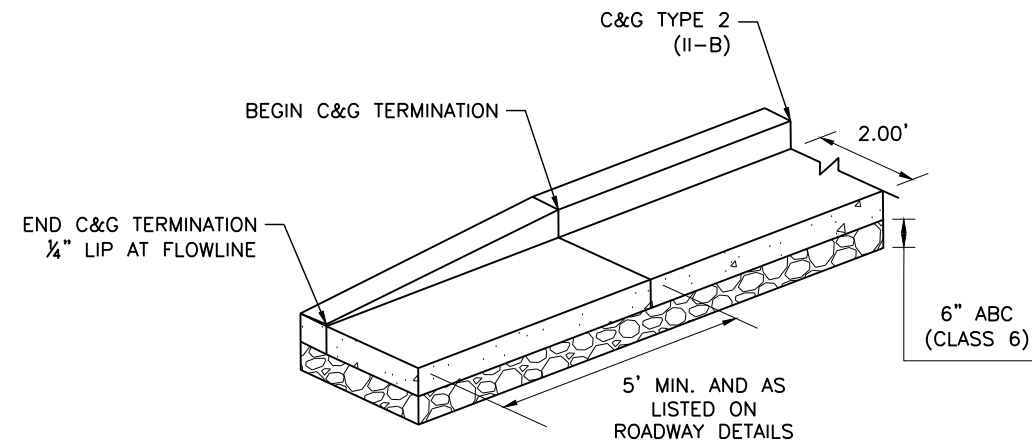
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<b>As Constructed</b>	
No. Revisions:	
Revised:	
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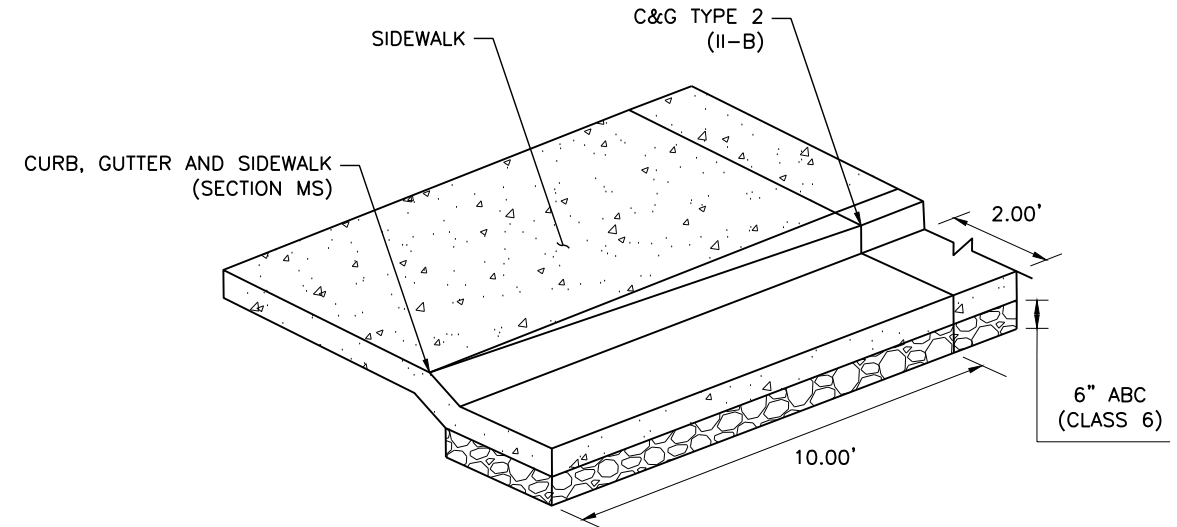
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Detailer:	LML		
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<b>Project No.</b>	26-07
Sheet Number:	49 of 73

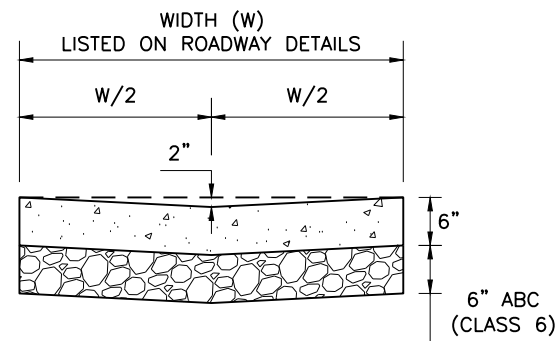
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**DETAIL BB - C&G TERMINATION**  
NOT TO SCALE (N.T.S.)




**DETAIL CC - C&G TRANSITION TO CURB, GUTTER AND SIDEWALK (SECTION MS)**  
NOT TO SCALE (N.T.S.)



**DETAIL DD - GUTTER TYPE 2**  
NOT TO SCALE (N.T.S.)



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Date	Comments	Initials	
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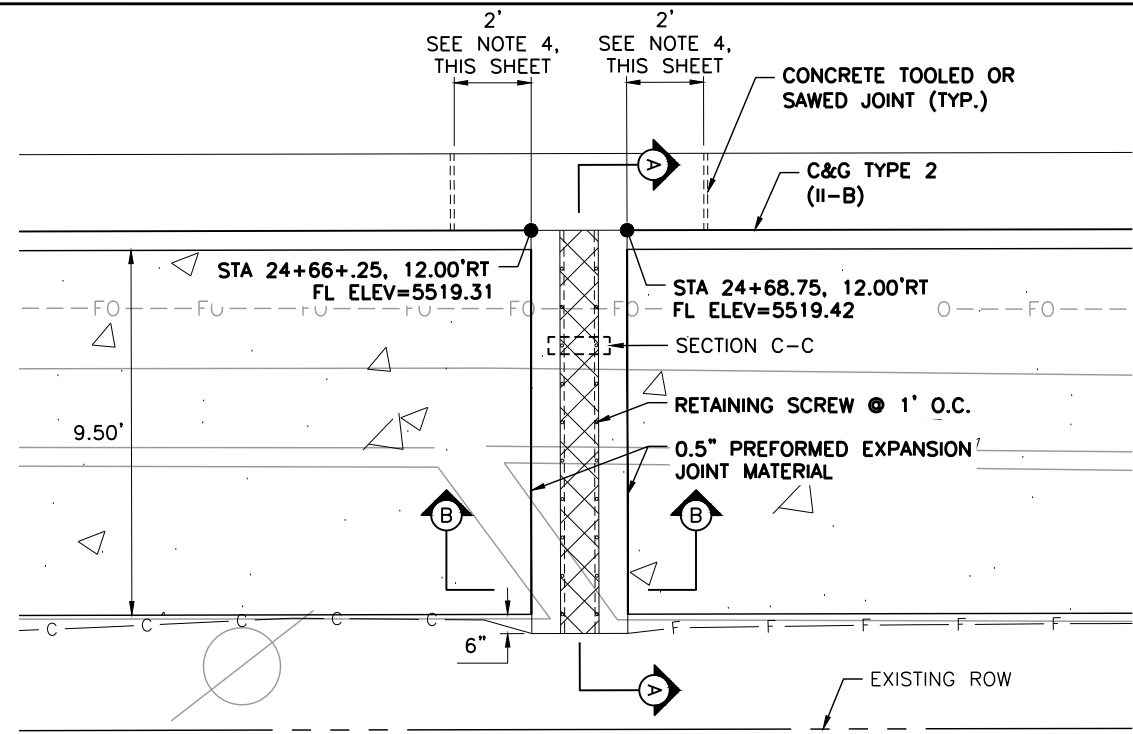
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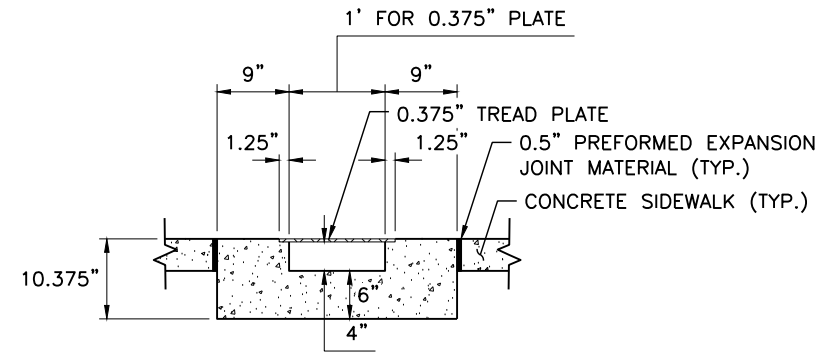
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ROADWAY DETAILS			
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<b>Project No.</b>
26-07
Sheet Number: 50 of 73

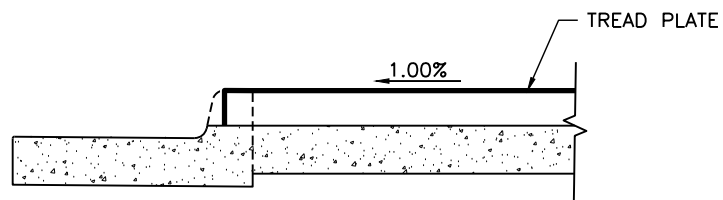
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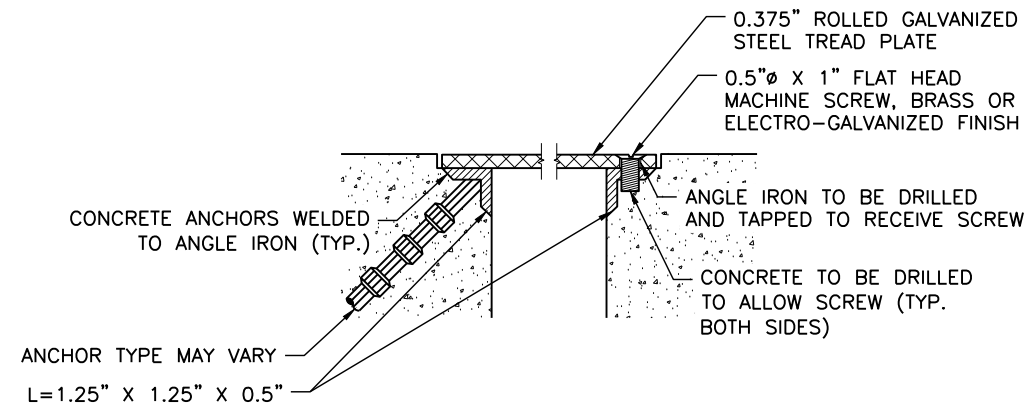
**DETAIL EE - SIDEWALK CHASE DRAIN**  
NEAR THE O-REILLY AUTO PARTS



**SECTION B-B**  
NOT TO SCALE



**SECTION A-A**  
NOT TO SCALE



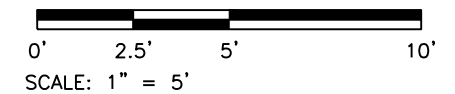
**SECTION C-C**  
TREAD PLATE CONNECTION  
NOT TO SCALE

**LEGEND:**

- CONCRETE SIDEWALK (6 INCH)
- GALVANIZED STEEL TREAD PLATE  
(0.375" ROLLED-STEEL DIAMOND PATTERN)
- TOE OF FILL
- TOP OF CUT

**NOTES:**

1. ALL STATION, OFFSET CALLOUTS REFERENCE THE EUCLID AVE HCL AND ARE TO THE FLOWLINE.
2. CHASE AND COVER PLATE RUN PERPENDICULARLY TO THE FLOWLINE.
3. CHASE AND CURB AND GUTTER TO BE PLACED MONOLITHICALLY. THE SIDEWALK SHALL BE PLACED SEPARATELY.
4. REMOVE ADDITIONAL CURB AND GUTTER TO MAINTAIN A 2' MINIMUM ADJACENT CURB AND GUTTER SECTION. TRANSITION THE CURB AND GUTTER TO THE END OF THE TREAD PLATE AS NECESSARY.



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Sheet Revisions			
Date	Comments	Initials	

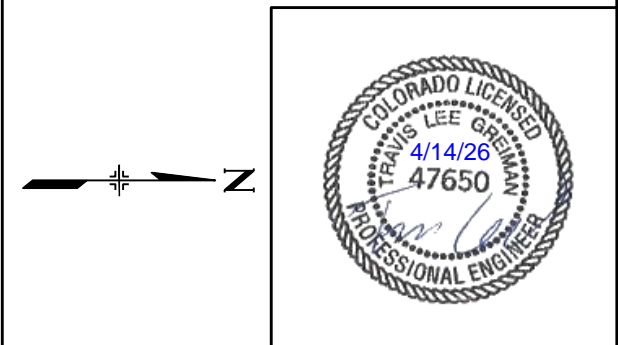
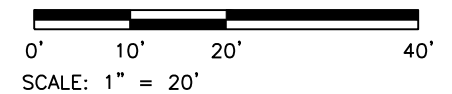
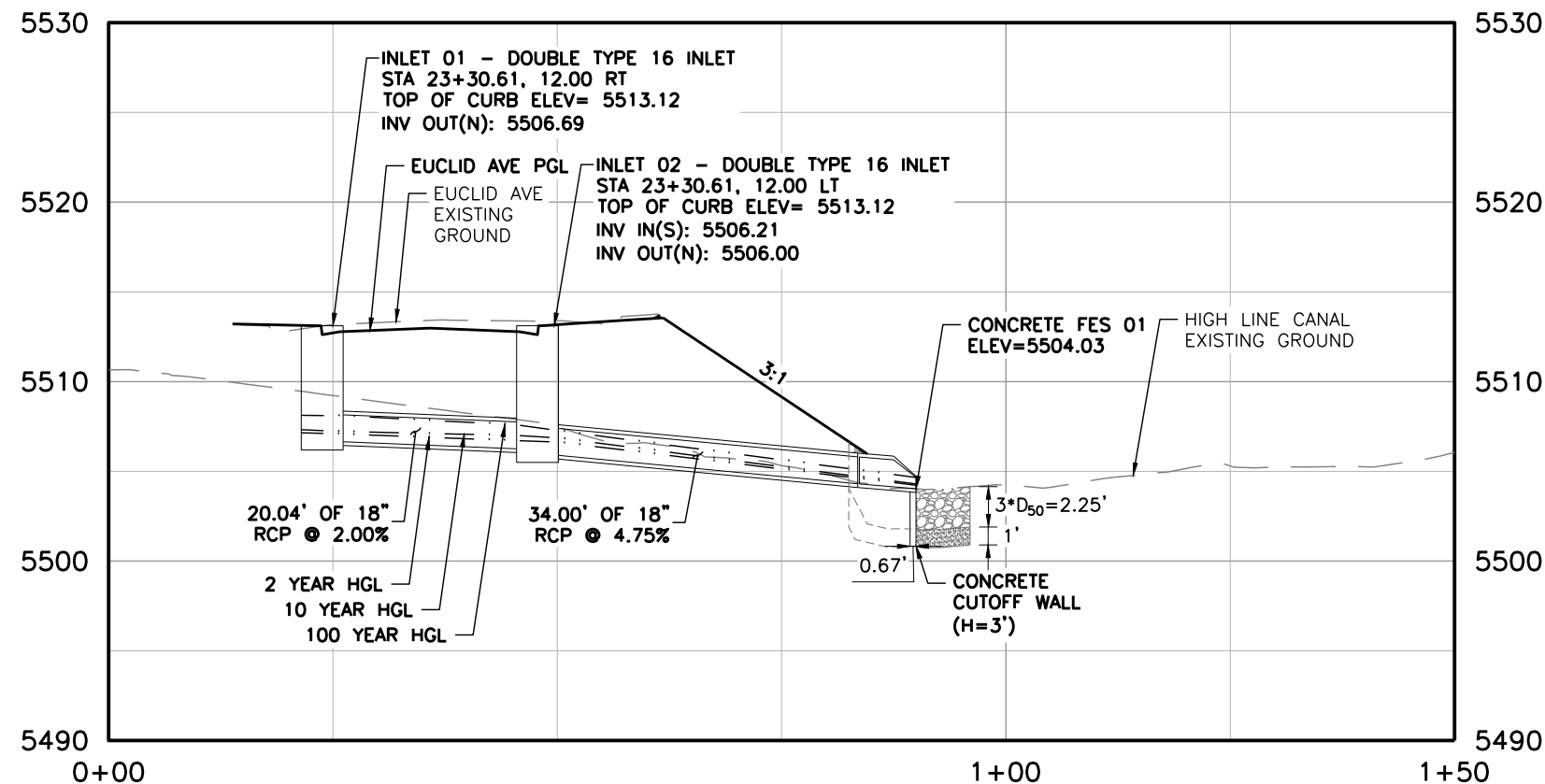
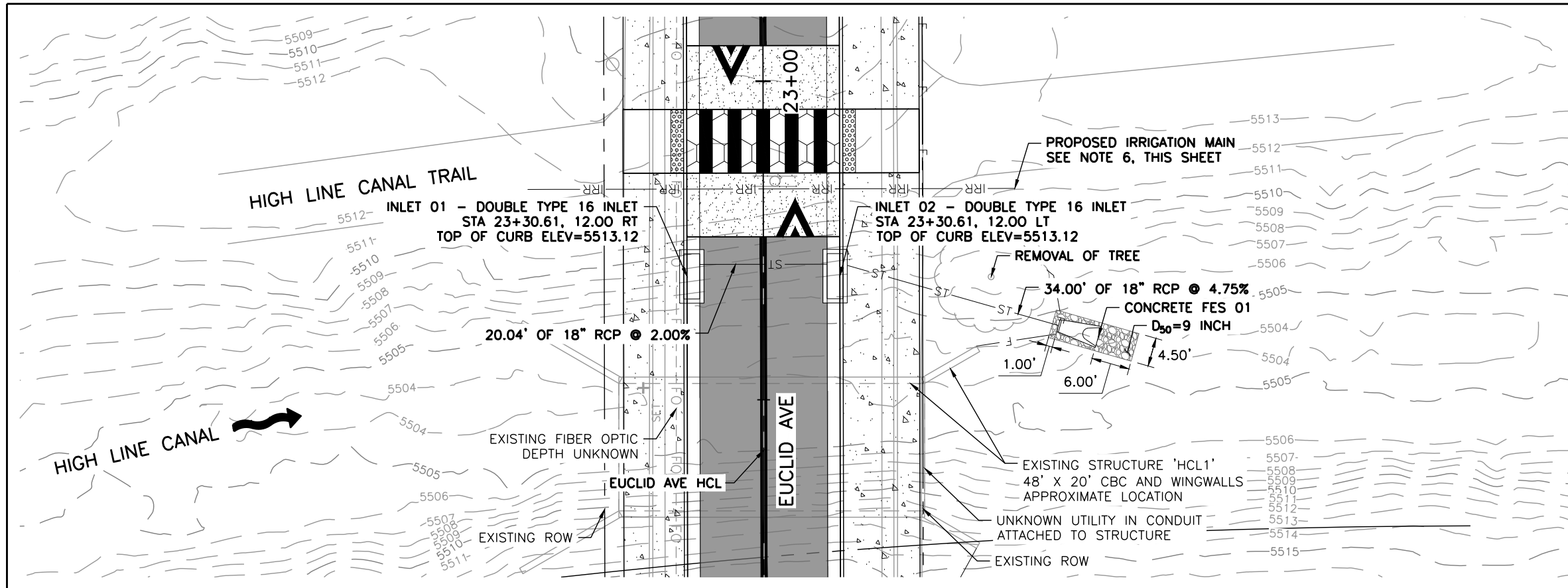
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EUCLID AVE IMPROVEMENTS - PHASE 2 ROADWAY DETAILS		
Designer:	LML	Structure Numbers
Detailer:	LML	
Sheet Subset:	RDWAY DTLs	Subset Sheet Number: 25 of 25

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26-07
Sheet Number: 51 of 73

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Print Date: 4/14/2026  
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Sheet Revisions			
Date	Comments	Initials	

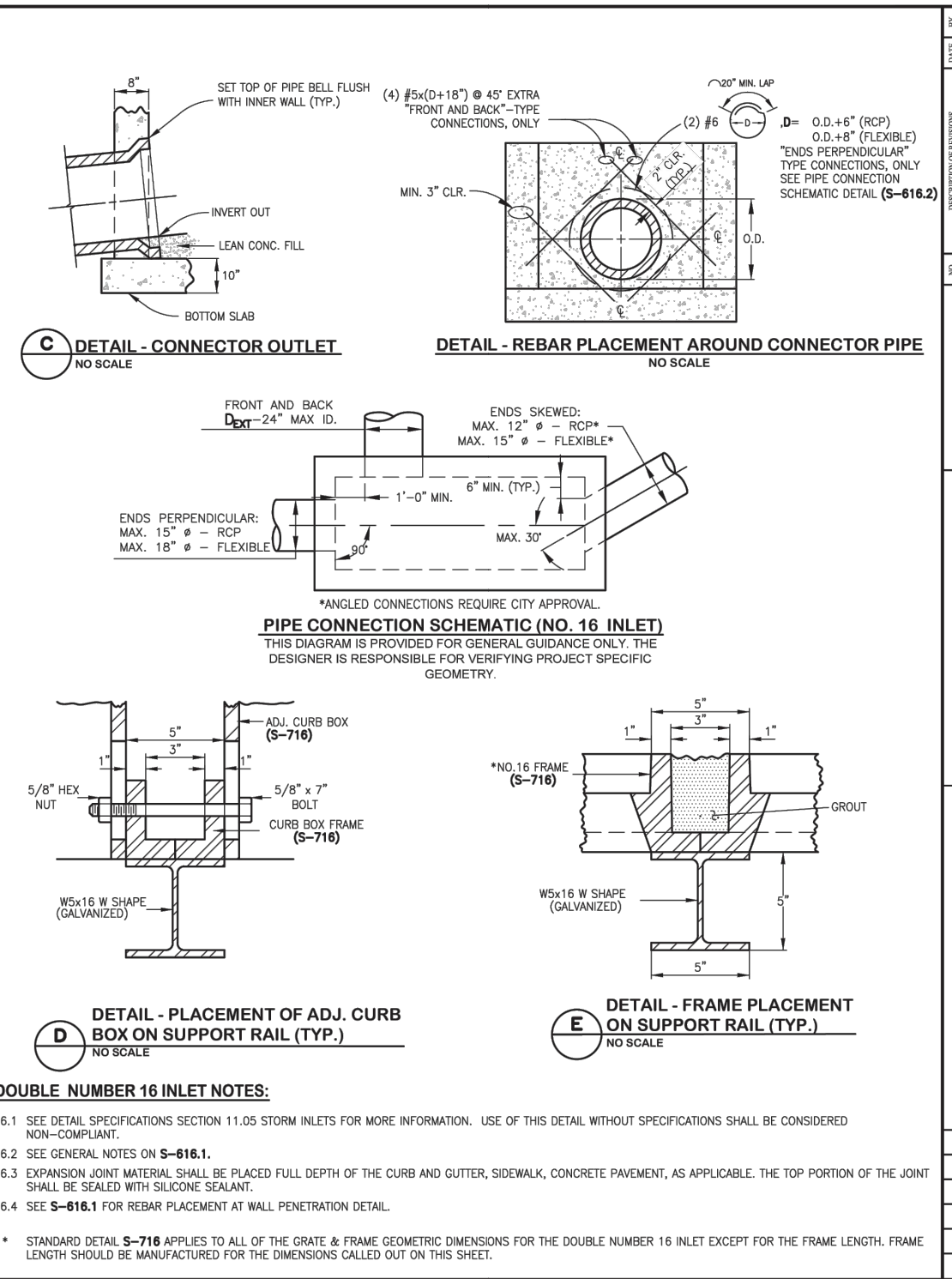
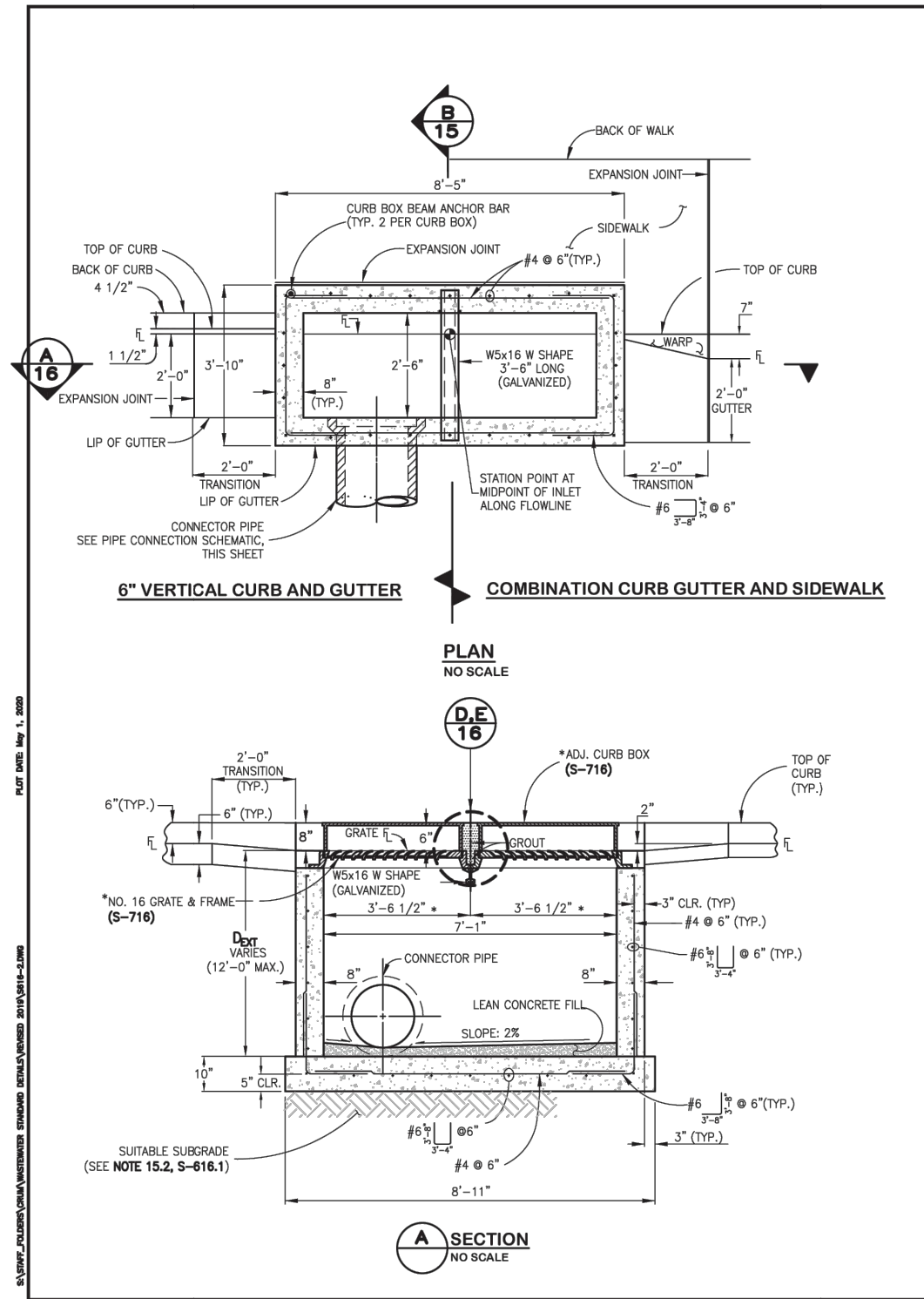
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EUCLID AVE IMPROVEMENTS - PHASE 2 STORM SEWER PLAN AND PROFILE			
Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	STORM	Subset Sheet Number:	1 of 2

Project No.	
26-07	
Sheet Number:	52 of 73

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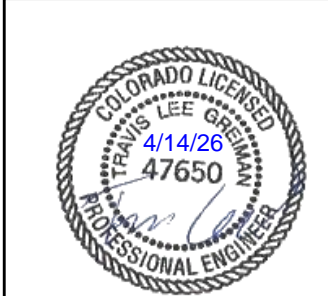


NO.	DATE	BY	DESCRIPTION OF REVISIONS

CITY AND COUNTY OF DENVER  
2000 W. 3RD AVE. DENVER, CO 80223  
www.denvergov.org

STANDARD DETAILS  
DOUBLE NUMBER 16 INLET  
S-616.2

DRAWN BY: \_\_\_\_\_  
DESIGNED BY: ASP/JDMT  
APPROVED BY: \_\_\_\_\_  
DRAWING NAME: S-616.2.dwg  
DATE: JUNE 2020  
SHEET NO.: 16



Print Date: 4/14/2026  
File Name: 1525-201872-18-CD-12-STORMWATER.dwg  
Horizontal Scale: N.T.S. Vertical Scale: \_\_\_\_\_

**benesch**  
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Sheet Revisions			
Date	Comments	Initials	

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No. Revisions: _____	STORM SEWER DETAILS		26-07
Revised: _____	Designer: LML	Structure Numbers	
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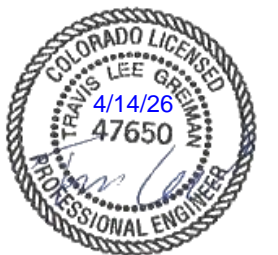
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**SIGN QUANTITIES**

SIGN NO.	LOCATION	SIDE	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE W X H (INCHES)	APPROX. AREA OF SIGN (SF)	SIGN BACKGROUND COLOR	202-00810	202-00821	210-00810	614-00011	614-00012	614-00217	614-72860	614-80003	614-84000	503-00018	
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								EA	EA	EA	SF	SF	LF	EA	EA	EA	LF	
1.01	14+47	LT	R3-17	BIKE LANE				1										
			R3-17bP	ENDS														
• 1.02	14+81	RT	W11-2	PEDESTRIAN CROSSING SYMBOL					1									
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)														
•• 1.03	14+81	RT	S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN				4.7							
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)	24 x 12	2.0	YELLOW-GREEN				2.0							
1.04	14+82	LT	S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN				4.7							
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)	24 x 12	2.0	YELLOW-GREEN				2.0	11.50						
1.05	14+95	LT	W11-2	PEDESTRIAN CROSSING SYMBOL				1										
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)														
			R7-9	NO PARKING/BIKE LANE														
1.06	15+19	RT	R7-8(L)	RESERVED PARKING HANDICAPPED (LEFT ARROW)				1										
1.07	15+38	RT	R7-8(R)	RESERVED PARKING HANDICAPPED (RIGHT ARROW)				1										
1.08	15+80	RT	R7-8(L)	RESERVED PARKING HANDICAPPED (LEFT ARROW)						1								
1.09	16+03	RT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW				9.0	13.75						
			W13-1P	15 M.P.H.	18 x 18	2.3	YELLOW				2.3							
1.10	16+53	RT	R7-8(R)	RESERVED PARKING HANDICAPPED (RIGHT ARROW)						1								
1.11	17+15	LT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW				9.0	12.25						
<b>SIGN SUBTOTALS</b>								<b>4</b>	<b>1</b>	<b>2</b>	<b>15.6</b>	<b>18.0</b>	<b>37.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**SIGN NOTES:**

- SIGN POSTS SHALL BE STEEL 2"x2" TELESPAR TUBING. ALL SIGN POSTS SHALL INCLUDE ANCHOR SLEEVES.
  - SIGN POSTS INSTALLED WITHIN A HARDSCAPE AREA SHALL INCLUDE A 6" PVC SLEEVE. PVC SLEEVES ARE NOT REQUIRED WITHIN GRASS OR DIRT AREAS.
  - ANCHOR SLEEVES AND PVC SLEEVES SHALL BE INCLUDED IN THE COST OF TELESPAR TUBING.
- REMOVE THE SIGN PANELS FROM THE EXISTING UTILITY POLE.
  - PLACE THE SIGN PANEL ON THE EXISTING UTILITY POLE.



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 File Name: 1525-201872.18-CD-13-S&S TABS.dwg  
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 5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868

Sheet Revisions			
Date	Comments	Initials	

**Littleton**  
 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

As Constructed
No. Revisions:
Revised:
Void:

EUCLID AVE IMPROVEMENTS - PHASE 2 SIGNING AND PAVEMENT MARKING TABULATIONS			
Designer:	LML	Structure Numbers	
Detailer:	LML		
Sheet Subset:	S&S TABS	Subset Sheet Number:	1 of 4

Project No.
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**SIGN QUANTITIES**

SIGN NO.	LOCATION	SIDE	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE W X H (INCHES)	APPROX. AREA OF SIGN (SF)	SIGN BACKGROUND COLOR	202-00810	202-00821	210-00810	614-00011	614-00012	614-00217	614-72860	614-80003	614-84000	503-00018		
								REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN	SIGN PANEL CLASS I	SIGN PANEL CLASS II	STEEL SIGN POSTS (2"x2" TELESPAR TUBING)	PEDESTRIAN PUSH BUTTON	RECTANGULAR RAPID FLASHING BEACON	TRAFFIC SIGNAL PEDESTRIAN POLE STL.	DRILLED SHAFT 18 INCH		
								EA	EA	EA	SF	SF	LF	EA	EA	EA	LF		
2.01	18+15	LT	R7-9	NO PARKING/BIKE LANE				1											
2.02	18+53	RT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW					9.0	12.25						
2.03	18+97	LT	R7-9	NO PARKING/BIKE LANE				1											
2.04	19+36	LT	W17-1	SPEED HUMPS				1											
2.05	19+65	LT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW					9.0	12.25						
2.06	20+53	LT	R7-1	NO PARKING ANY TIME				1											
• 2.07	21+09	RT	S1-1	SCHOOL CROSSING SYMBOL						1									
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)															
			OM3-R	OBJECT MARKER (RIGHT)						1									
•• 2.08	20+90	LT	S1-1	SCHOOL CROSSING SYMBOL						1									
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)															
			OM3-R	OBJECT MARKER (RIGHT)						1									
2.09	21+09	RT	R2-1	SPEED LIMIT - 25 MPH					1										
2.10	21+94	RT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW					9.0	12.25						
<b>SIGN SUBTOTALS</b>								<b>4</b>	<b>3</b>	<b>2</b>	<b>0.0</b>	<b>27.0</b>	<b>36.75</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

**SIGN NOTES:**

- SIGN POSTS SHALL BE STEEL 2"x2" TELESPAR TUBING. ALL SIGN POSTS SHALL INCLUDE ANCHOR SLEEVES.
  - SIGN POSTS INSTALLED WITHIN A HARDSCAPE AREA SHALL INCLUDE A 6" PVC SLEEVE. PVC SLEEVES ARE NOT REQUIRED WITHIN GRASS OR DIRT AREAS.
  - ANCHOR SLEEVES AND PVC SLEEVES SHALL BE INCLUDED IN THE COST OF TELESPAR TUBING.
- REMOVE THE OBJECT MARKER (OM3-R). RESET THE OTHER SIGN PANELS.
  - REMOVE THE OBJECT MARKER (OM3-R). RESET THE OTHER SIGN PANELS.



Print Date: 4/14/2026		<b>Sheet Revisions</b>			 Public Works & Engineering 2255 W Berry Avenue Littleton, Colorado 80120	<b>As Constructed</b>		<b>EUCLID AVE IMPROVEMENTS - PHASE 2</b>			<b>Project No.</b>		
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5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868						Void:	Detailer: LML	Sheet Subset: S&S TABS			Subset Sheet Number: 2 of 4		
												Sheet Number: 55 of 73	

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SIGN QUANTITIES																			
SIGN NO.	LOCATION	SIDE	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE W X H (INCHES)	APPROX. AREA OF SIGN (SF)	SIGN BACKGROUND COLOR	202-00810	202-00821	210-00810	614-00011	614-00012	614-00217	614-72860	614-80003	614-84000	503-00018		
								REMOVAL OF GROUND SIGN	REMOVAL OF SIGN PANEL	RESET GROUND SIGN	SIGN PANEL CLASS I	SIGN PANEL CLASS II	STEEL SIGN POSTS (2"x2" TELESPAR TUBING)	PEDESTRIAN PUSH BUTTON	RECTANGULAR RAPID FLASHING BEACON	TRAFFIC SIGNAL PEDESTRIAN POLE STL.	DRILLED SHAFT 18 INCH		
								EA	EA	EA	SF	SF	LF	EA	EA	EA	LF		
3.01	22+70	LT	R7-9	NO PARKING/BIKE LANE				1											
3.02	22+89	RT	W11-2	PEDESTRIAN CROSSING SYMBOL				1											
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)															
• 3.03	22+97	RT	R7-9	NO PARKING/BIKE LANE					1										
3.04	23+04	LT	S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN												
			S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN												
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)	24 x 12	2.0	YELLOW-GREEN								1	1	1	6	
			W16-7P(R)	DIAGONAL DOWNWARD-POINTING ARROW (RIGHT)	24 x 12	2.0	YELLOW-GREEN												
			R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	9 x 12	0.8	WHITE												
3.05	23+15	RT	S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN												
			S1-1	SCHOOL CROSSING SYMBOL	30 x 30	4.7	YELLOW-GREEN												
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)	24 x 12	2.0	YELLOW-GREEN								1	1	1	6	
			W16-7P(R)	DIAGONAL DOWNWARD-POINTING ARROW (RIGHT)	24 x 12	2.0	YELLOW-GREEN												
			R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	9 x 12	0.8	WHITE												
3.06	23+20	LT	W11-2	PEDESTRIAN CROSSING SYMBOL				1											
			W16-7P(L)	DIAGONAL DOWNWARD-POINTING ARROW (LEFT)															
3.07	24+14	LT	W17-1	SPEED HUMP	36 x 36	9.0	YELLOW					9.0							
			W13-1P	15 M.P.H.	18 x 18	2.3	YELLOW				2.3		13.75						
3.08	25+03	LT	R2-1	SPEED LIMIT - 25 MPH				1											
3.09	25+64	LT	R7-9	NO PARKING/BIKE LANE				1											
<b>SIGN SUBTOTALS</b>								<b>5</b>	<b>1</b>	<b>0</b>	<b>2.3</b>	<b>9.0</b>	<b>13.75</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>12</b>		
<b>SIGN TOTALS</b>								<b>13</b>	<b>5</b>	<b>4</b>	<b>17.9</b>	<b>54.0</b>	<b>88.00</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>12</b>		

**SIGN NOTES:**

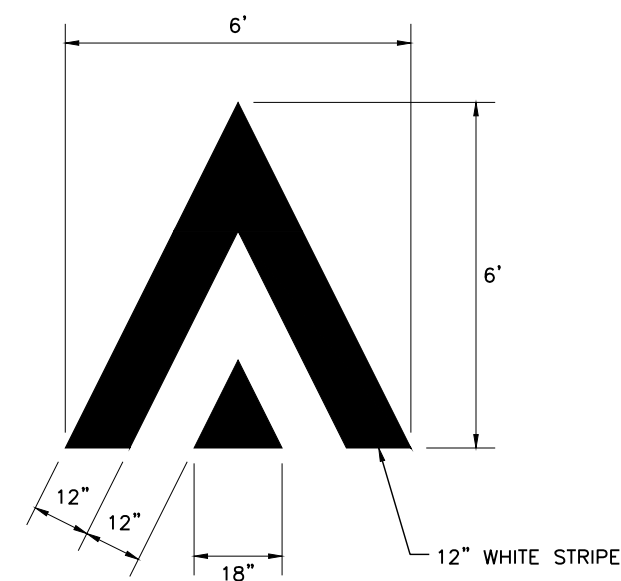
- SIGN POSTS SHALL BE STEEL 2"x2" TELESPAR TUBING. ALL SIGN POSTS SHALL INCLUDE ANCHOR SLEEVES.
  - SIGN POSTS INSTALLED WITHIN A HARDSCAPE AREA SHALL INCLUDE A 6" PVC SLEEVE. PVC SLEEVES ARE NOT REQUIRED WITHIN GRASS OR DIRT AREAS.
  - ANCHOR SLEEVES AND PVC SLEEVES SHALL BE INCLUDED IN THE COST OF TELESPAR TUBING.
- REMOVE THE SIGN PANEL FROM THE EXISTING UTILITY POLE.



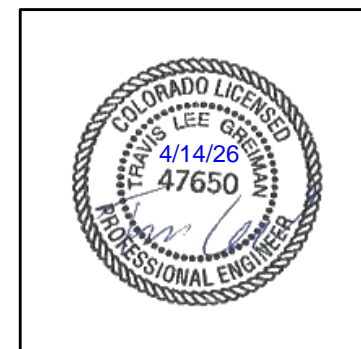
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	5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868				Void:	Detailer: LML	Subset Sheet Number: 3 of 4			Sheet Number: 56 of 73		

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PAVEMENT MARKING QUANTITIES					
LOCATION	ROADWAY	627-00008		627-30405	627-30410
		MODIFIED EPOXY PAVEMENT MARKING		PREFORMED THERMOPLASTIC PAVEMENT MARKING	
		4" DOUBLE YELLOW LINE	4" WHITE EDGE LINE	SPEED TABLE	XWALK-STOPLINE
		LF	LF	SF	SF
14+33 TO 14+97	EUCLID AVE	110			90
15+05 TO 15+25	CHEROKEE ST				90
15+33 TO 20+60	EUCLID AVE	906	456	96	
20+17 TO 20+37	ACOMA ST NORTH	96			110
20+45 TO 21+43	EUCLID AVE	138			90
21+30 TO 21+50	ACOMA ST SOUTH				90
21+60 TO 26+13	EUCLID AVE	820		24	230
<b>SUBTOTALS</b>		<b>2070</b>	<b>456</b>	<b>120</b>	<b>700</b>
<b>TOTAL (SF)</b>		<b>690</b>	<b>152</b>	<b>120</b>	<b>700</b>
<b>TOTAL (GALLONS)</b>		<b>10</b>		<b>-</b>	<b>-</b>

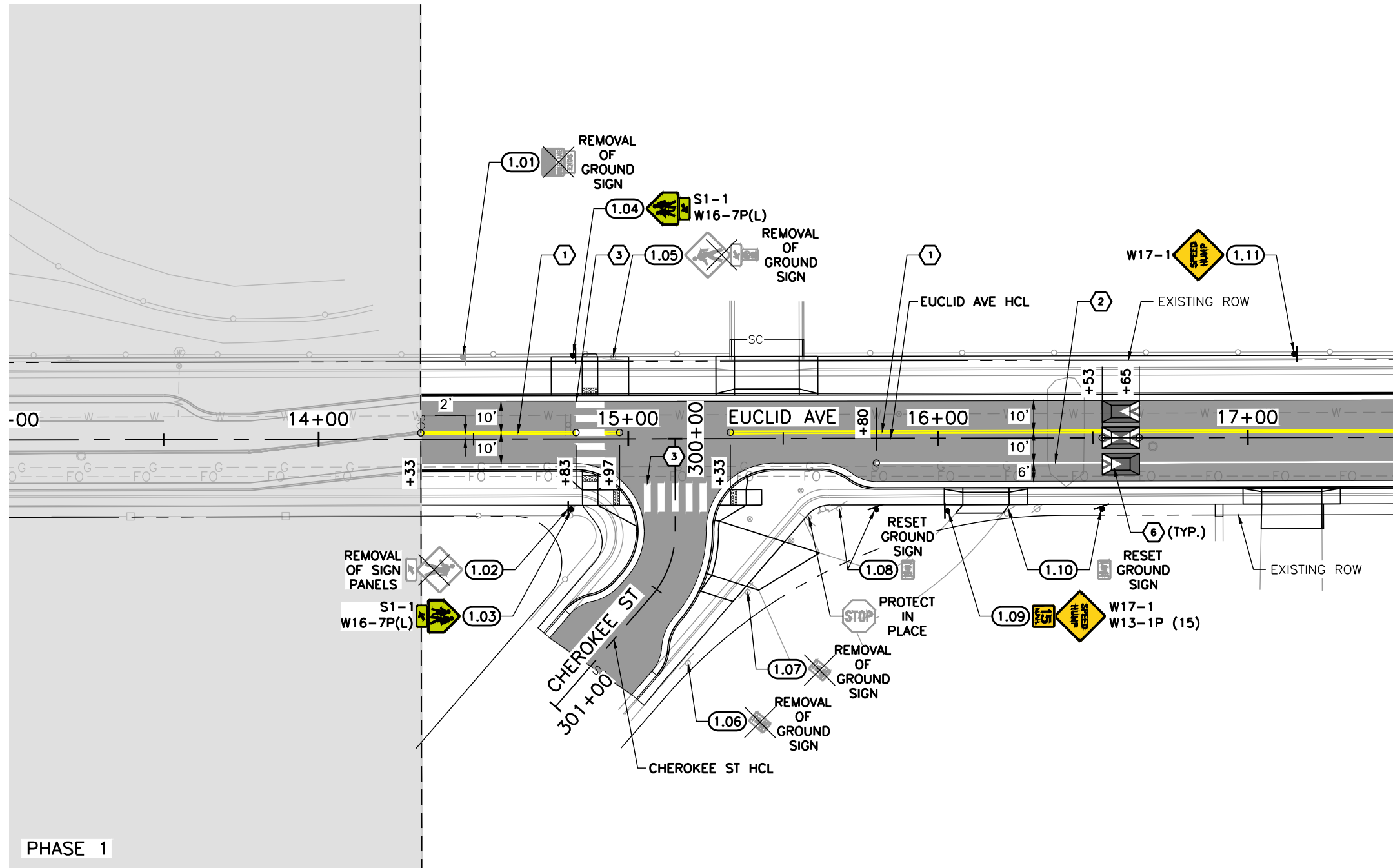


**DETAIL A - SPEED TABLE PAVEMENT MARKING**  
NOT TO SCALE (N.T.S.)



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File Name: 1525-201872.18-CD-13-S&S TABS.dwg		Date	Comments	Initials		No. Revisions:					26-07	
Horizontal Scale: N.T.S. Vertical Scale:						Revised:	Designer: LML	Structure Numbers				
<p>5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868</p>					Void:	Detailer: LML	Sheet Subset: S&S TABS		Subset Sheet Number: 4 of 4		Sheet Number: 57 of 73	

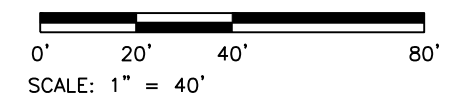
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SEE SHEET 59  
MATCHLINE STA 17+50

- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - (X.XX) SIGN NO.
  - ① 4" DOUBLE YELLOW LINE
  - ② 4" WHITE EDGE LINE
  - ③ 2' X 9' CROSSWALK BARS
  - ④ 2' X 10' CROSSWALK BARS
  - ⑤ 24" WHITE STOP BAR
  - ⑥ SPEED TABLE PAVEMENT MARKING (SEE DETAIL A, SHEET 57)

- NOTES:**
- PAVEMENT MARKINGS, COMPLETED AS PART OF PHASE 1, SHALL BE PROTECTED IN PLACE. IF PHASE 2 CONSTRUCTION ACTIVITIES REDUCE VISIBILITY OF PHASE 1 PAVEMENT MARKINGS, THE PAVEMENT MARKINGS SHALL BE REFRESHED TO AN EQUAL OR BETTER CONDITION.
  - EXISTING SIGNS AND PAVEMENT MARKINGS ARE SHOWN IN GREY. PROPOSED SIGNS AND STRIPING ARE SHOWN IN COLOR.
  - LANE DIMENSIONS ARE FROM CENTER OF STRIPE TO CENTER OF STRIPE OR EDGE OF PAVEMENT.
  - ALL SYMBOLS, CROSSWALKS, AND STOP BARS ARE TO BE PERFORMED THERMOPLASTIC PAVEMENT MARKINGS. ALL OTHERS SHALL BE MODIFIED EPOXY PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED ON THE PLANS.
  - TRUNCATED STATION CALLOUTS ARE PLACED AT EDGES OF PROPOSED PAVEMENT MARKINGS OR PI POINTS.



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Date	Comments	Initials	

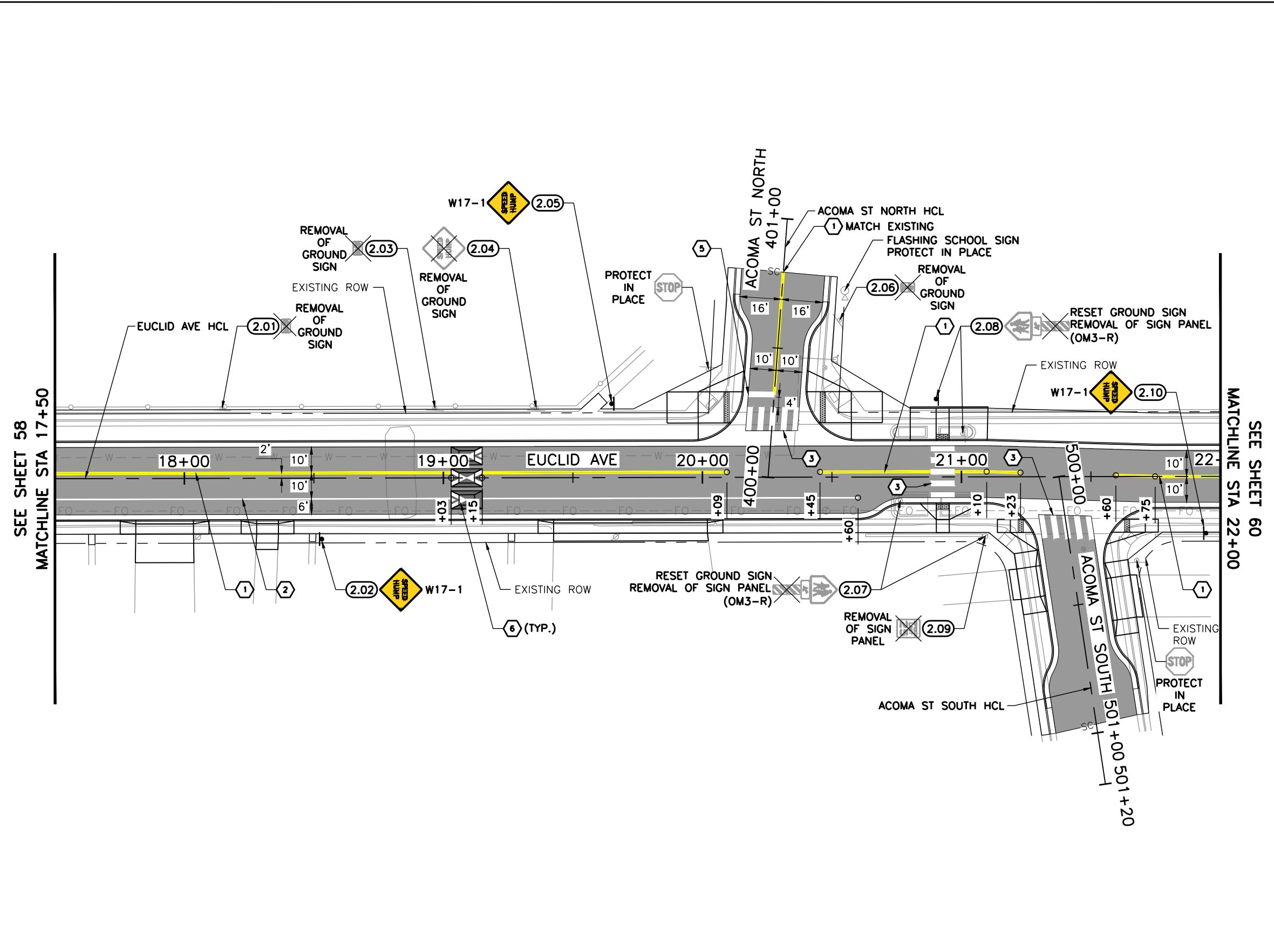
**Littleton**  
 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

<b>EUCLID AVE IMPROVEMENTS - PHASE 2</b>			
SIGNING AND PAVEMENT MARKING PLANS			
Designer:	LML	Structure	
Detailer:	LML	Numbers	
Sheet Subset:	S&S	Subset Sheet Number:	1 of 3

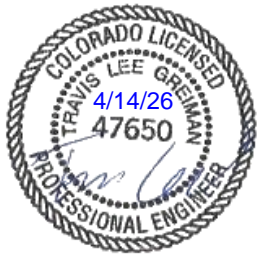
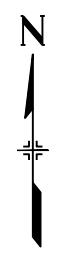
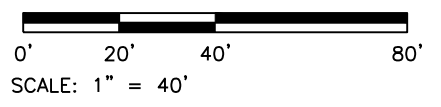
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Sheet Number: 58 of 73

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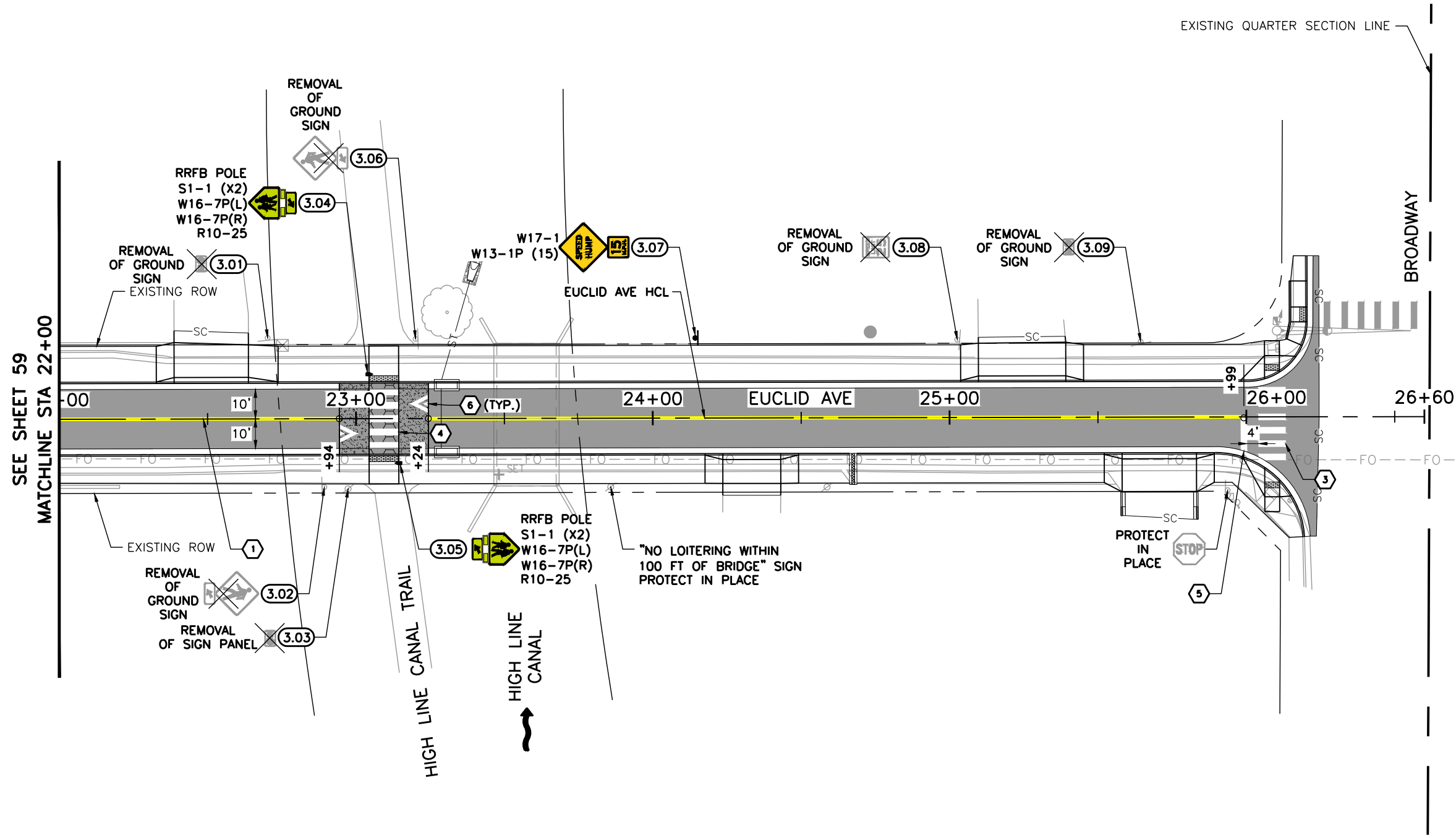
- LEGEND:**
- EUCLID AVE IMPROVEMENTS – PHASE 1 COMPLETED SUMMER 2025
  - (X.XX) SIGN NO.
  - ① 4" DOUBLE YELLOW LINE
  - ② 4" WHITE EDGE LINE
  - ③ 2' X 9' CROSSWALK BARS
  - ④ 2' X 10' CROSSWALK BARS
  - ⑤ 24" WHITE STOP BAR
  - ⑥ SPEED TABLE PAVEMENT MARKING (SEE DETAIL A, SHEET 57)

- NOTES:**
1. PAVEMENT MARKINGS, COMPLETED AS PART OF PHASE 1, SHALL BE PROTECTED IN PLACE. IF PHASE 2 CONSTRUCTION ACTIVITIES REDUCE VISIBILITY OF PHASE 1 PAVEMENT MARKINGS, THE PAVEMENT MARKINGS SHALL BE REFRESHED TO AN EQUAL OR BETTER CONDITION.
  2. EXISTING SIGNS AND PAVEMENT MARKINGS ARE SHOWN IN GREY. PROPOSED SIGNS AND STRIPING ARE SHOWN IN COLOR.
  3. LANE DIMENSIONS ARE FROM CENTER OF STRIPE TO CENTER OF STRIPE OR EDGE OF PAVEMENT.
  4. ALL SYMBOLS, CROSSWALKS, AND STOP BARS ARE TO BE PERFORMED THERMOPLASTIC PAVEMENT MARKINGS. ALL OTHERS SHALL BE MODIFIED EPOXY PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED ON THE PLANS.
  5. TRUNCATED STATION CALLOUTS ARE PLACED AT EDGES OF PROPOSED PAVEMENT MARKINGS OR PI POINTS.



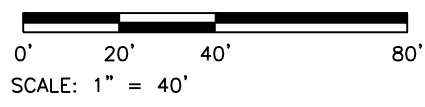
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- LEGEND:**
- EUCLID AVE IMPROVEMENTS - PHASE 1 COMPLETED SUMMER 2025
  - (X.XX) SIGN NO.
  - ① 4" DOUBLE YELLOW LINE
  - ② 4" WHITE EDGE LINE
  - ③ 2' X 9' CROSSWALK BARS
  - ④ 2' X 10' CROSSWALK BARS
  - ⑤ 24" WHITE STOP BAR
  - ⑥ SPEED TABLE PAVEMENT MARKING (SEE DETAIL A, SHEET 57)

- NOTES:**
1. PAVEMENT MARKINGS, COMPLETED AS PART OF PHASE 1, SHALL BE PROTECTED IN PLACE. IF PHASE 2 CONSTRUCTION ACTIVITIES REDUCE VISIBILITY OF PHASE 1 PAVEMENT MARKINGS, THE PAVEMENT MARKINGS SHALL BE REFRESHED TO AN EQUAL OR BETTER CONDITION.
  2. EXISTING SIGNS AND PAVEMENT MARKINGS ARE SHOWN IN GREY. PROPOSED SIGNS AND STRIPING ARE SHOWN IN COLOR.
  3. LANE DIMENSIONS ARE FROM CENTER OF STRIPE TO CENTER OF STRIPE OR EDGE OF PAVEMENT.
  4. ALL SYMBOLS, CROSSWALKS, AND STOP BARS ARE TO BE PERFORMED THERMOPLASTIC PAVEMENT MARKINGS. ALL OTHERS SHALL BE MODIFIED EPOXY PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED ON THE PLANS.
  5. TRUNCATED STATION CALLOUTS ARE PLACED AT EDGES OF PROPOSED PAVEMENT MARKINGS OR PI POINTS.



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 Greenwood Village, Colorado 80111  
 (303) 771-6868

Sheet Revisions			
Date	Comments	Initials	
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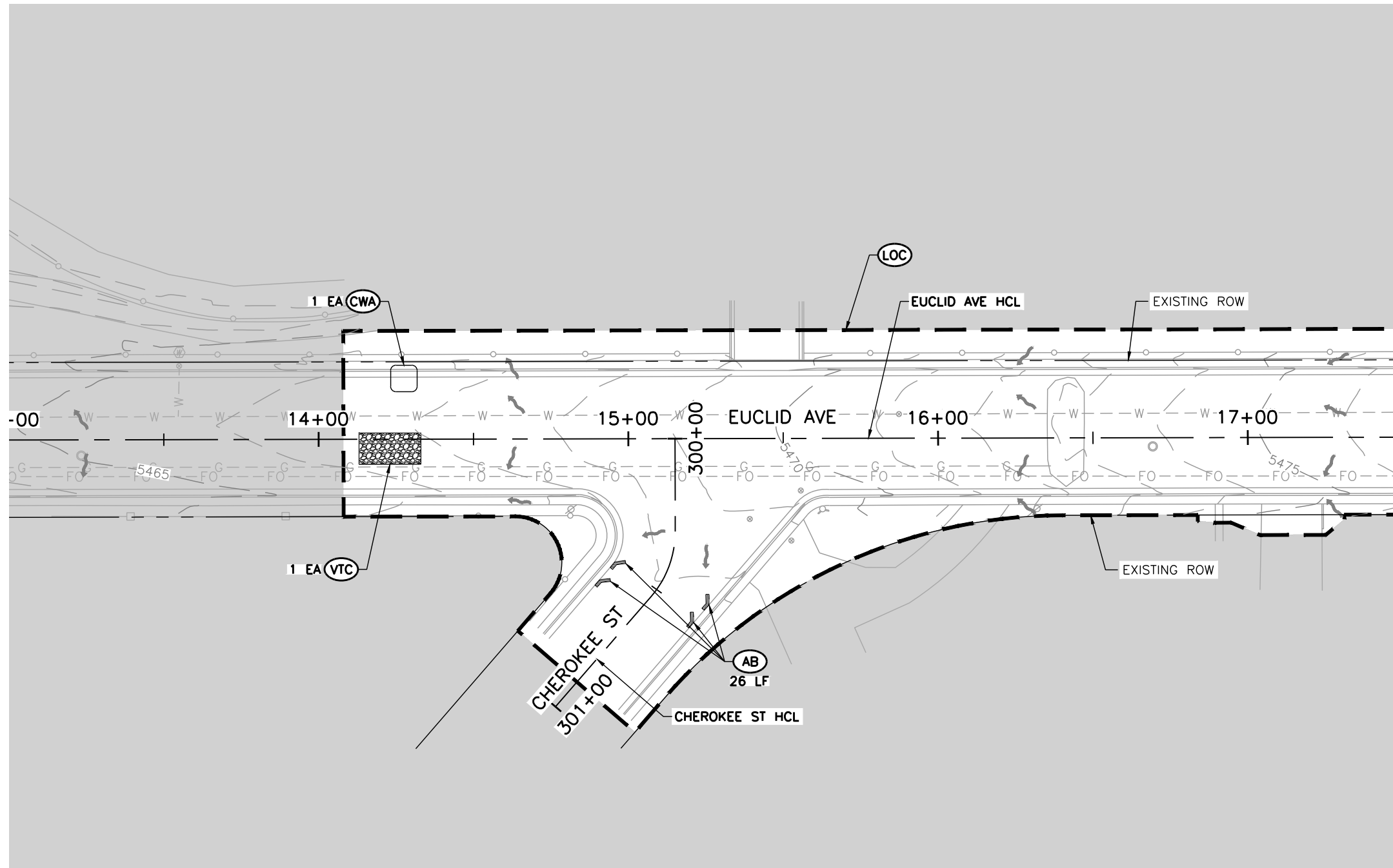
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 Littleton, Colorado 80120

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No. Revisions:	
Revised:	
Void:	

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Designer:	LML	Structure Numbers	
Detailer:	LML		
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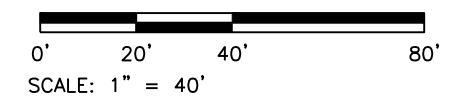


SEE SHEET 62  
MATCHLINE STA 17+50

- LEGEND:**
- SC — SAWCUT LIMITS
  - LOC — LIMITS OF CONSTRUCTION
  - IP INLET PROTECTION
  - AB AGGREGATE BAG
  - VTC VEHICLE TRACKING CONTROL
  - CWA CONCRETE WASHOUT AREA
  - FLOW DIRECTION (EXISTING)
  - FLOW DIRECTION (PROPOSED)
  - AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

1. BMPS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR MODIFY AND FIELD-FIT AS NECESSARY.



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Date	Comments	Initials	

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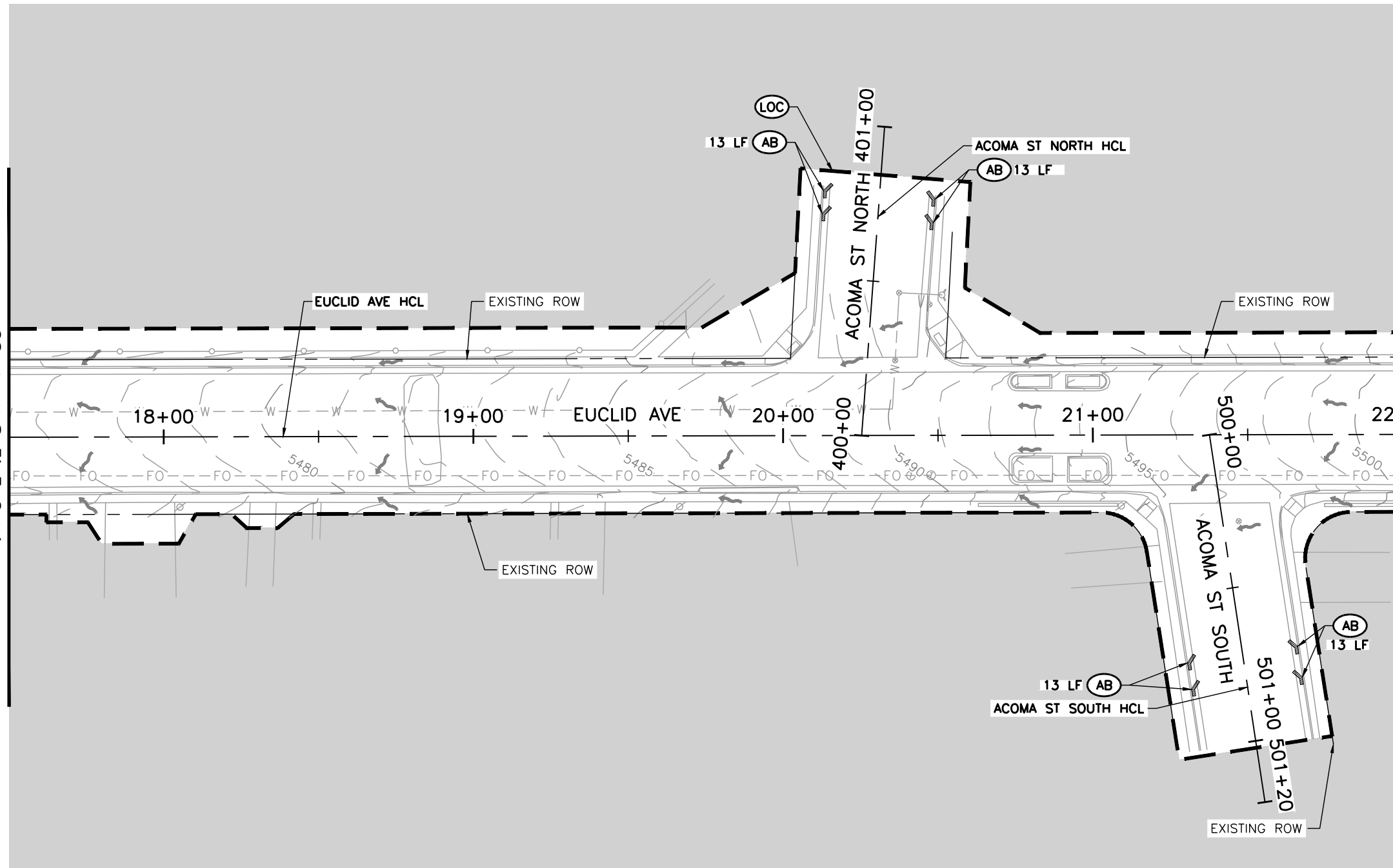
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GRADING EROSION AND SEDIMENT CONTROL			
INITIAL PLANS			
Designer:	LML	Structure	
Detailer:	LML	Numbers	
Sheet Subset:	GESC	Subset Sheet Number:	1 of 9

<b>Project No.</b>	26-07
Sheet Number:	61 of 73

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SEE SHEET 61  
 MATCHLINE STA 17+50

MATCHLINE STA 22+00  
 SEE SHEET 63

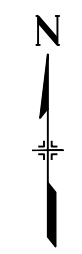
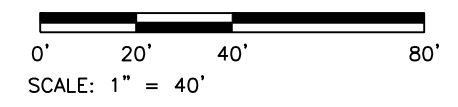


**LEGEND:**

- SC — SAWCUT LIMITS
- LOC — LIMITS OF CONSTRUCTION
- IP INLET PROTECTION
- AB AGGREGATE BAG
- VTC VEHICLE TRACKING CONTROL
- CWA CONCRETE WASHOUT AREA
- FLOW DIRECTION (EXISTING)
- FLOW DIRECTION (PROPOSED)
- AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

1. BMPS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR MODIFY AND FIELD-FIT AS NECESSARY.



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Sheet Revisions			
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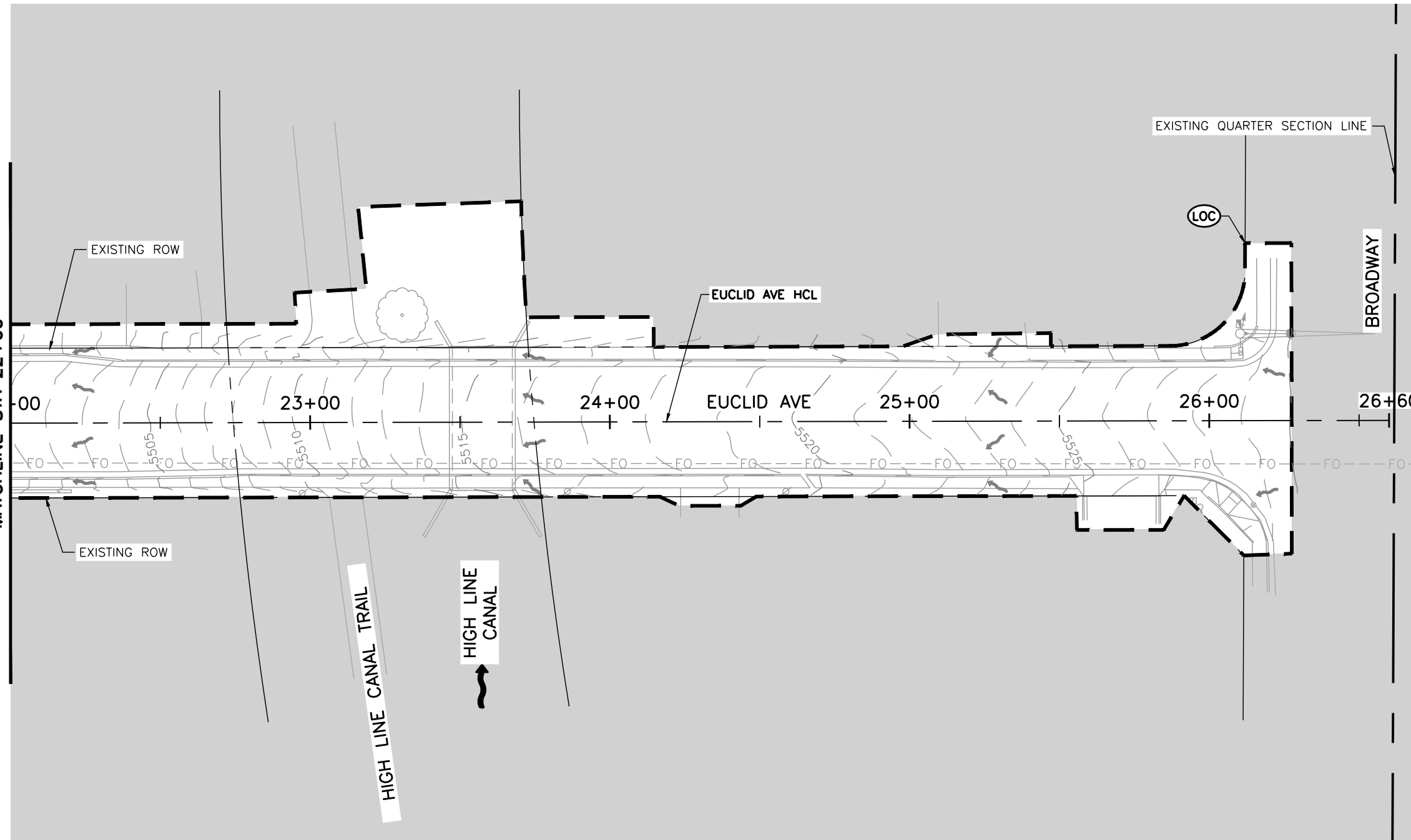
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No. Revisions:	
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Detailer:	LML		
Sheet Subset:	GESC	Subset Sheet Number:	2 of 9

Project No.	26-07
Sheet Number:	62 of 73

Y:\Colorado\1525-201872.18-Euclid\_School\Eng\_Docs\Drawings\Phase 2\1525-201872.18-CD-15.1-GESC\_INITIAL.dwg - Current tab: 63 - Print Time: Tue, 14 Apr 2026 - 9:16am By: llehto Lost Save: Mon, 13 Apr 2026 - 5:49pm

SEE SHEET 63  
MATCHLINE STA 22+00

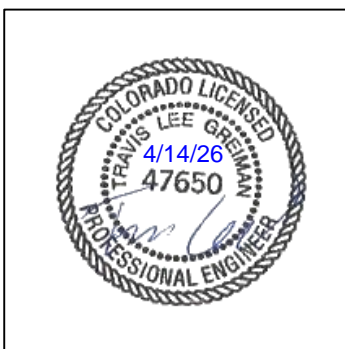
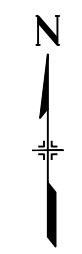
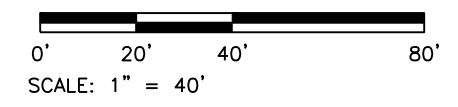


**LEGEND:**

- SC — SAWCUT LIMITS
- (LOC) --- LIMITS OF CONSTRUCTION
- (IP) --- INLET PROTECTION
- (AB) --- AGGREGATE BAG
- (VTC) --- VEHICLE TRACKING CONTROL
- (CWA) --- CONCRETE WASHOUT AREA
- FLOW DIRECTION (EXISTING)
- FLOW DIRECTION (PROPOSED)
- AREA OUTSIDE OF LIMITS OF CONSTRUCTION

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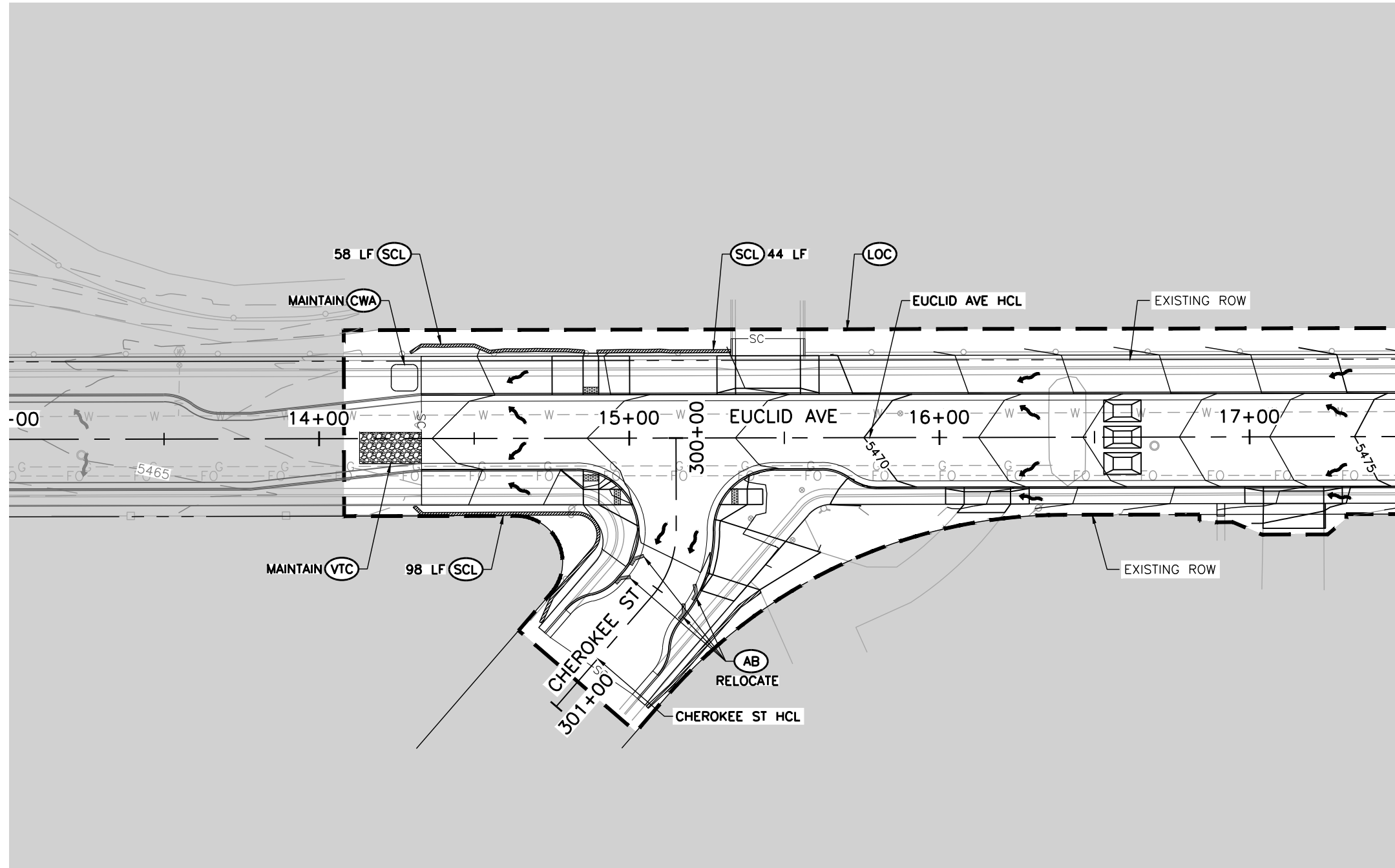
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Void:

<b>EUCLID AVE IMPROVEMENTS – PHASE 2</b> GRADING EROSION AND SEDIMENT CONTROL INITIAL PLANS			
Designer: LML	Structure Numbers		
Detailer: LML			
Sheet Subset: GESC	Subset Sheet Number: 3 of 9		

<b>Project No.</b> 26-07
Sheet Number: 63 of 73

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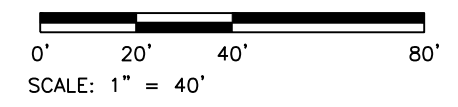


SEE SHEET 65  
MATCHLINE STA 17+50

- LEGEND:**
- SC — SAWCUT LIMITS
  - LOC --- LIMITS OF CONSTRUCTION
  - IP INLET PROTECTION
  - AB AGGREGATE BAG
  - SCL SEDIMENT CONTROL LOG
  - VTC VEHICLE TRACKING CONTROL
  - CWA CONCRETE WASHOUT AREA
  - FLOW DIRECTION (EXISTING)
  - FLOW DIRECTION (PROPOSED)
  - AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

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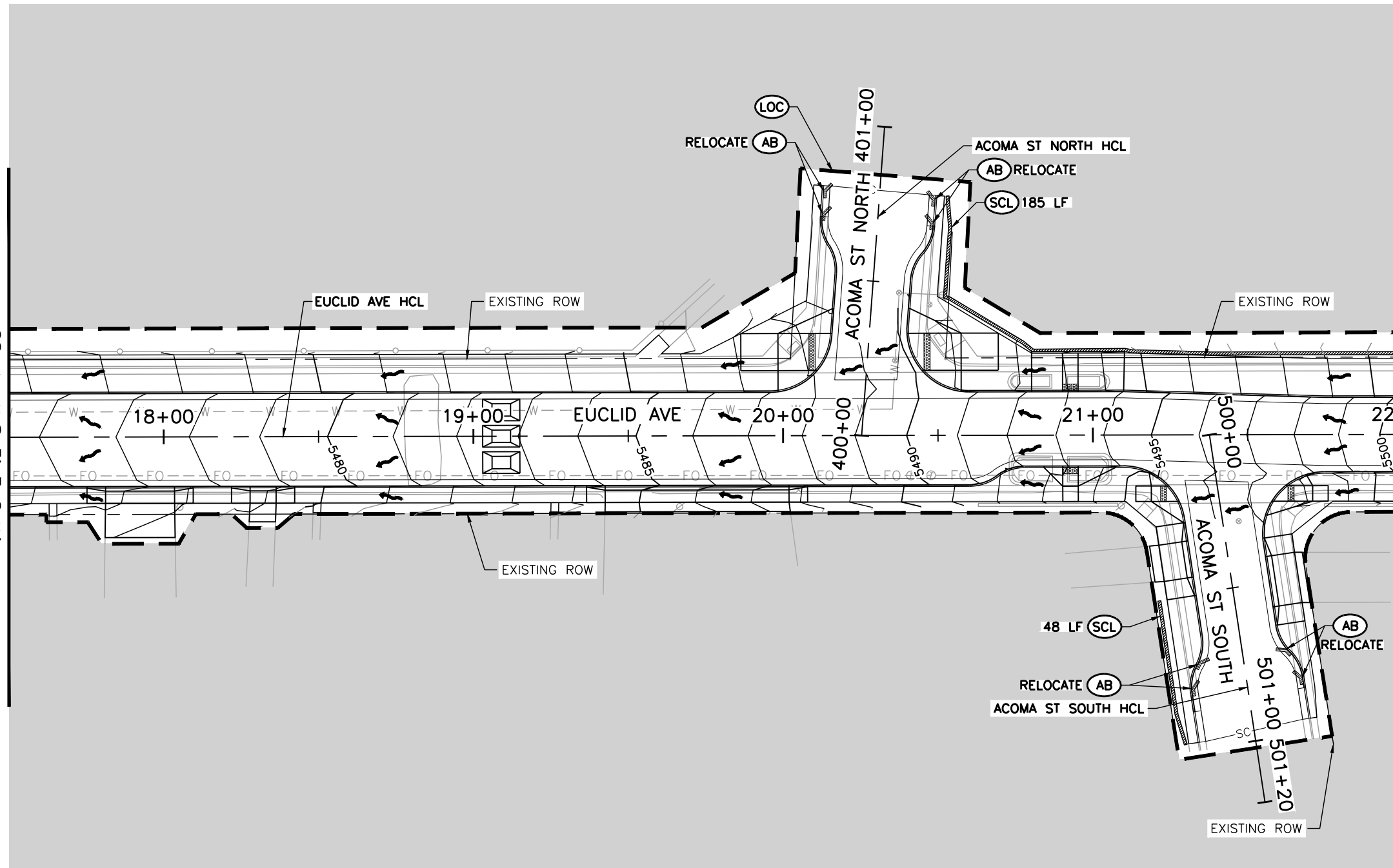
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GRADING EROSION AND SEDIMENT CONTROL			
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Detailer:	LML		
Sheet Subset:	GESC	Subset Sheet Number:	4 of 9

<b>Project No.</b>	26-07
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SEE SHEET 64  
MATCHLINE STA 17+50

MATCHLINE STA 22+00  
SEE SHEET 66

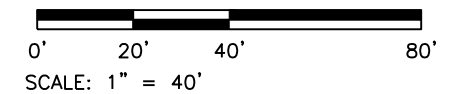


**LEGEND:**

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- LOC — LIMITS OF CONSTRUCTION
- IP INLET PROTECTION
- AB AGGREGATE BAG
- SCL SEDIMENT CONTROL LOG
- VTC VEHICLE TRACKING CONTROL
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- ↔ FLOW DIRECTION (EXISTING)
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- AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

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Sheet Revisions			
Date	Comments	Initials	
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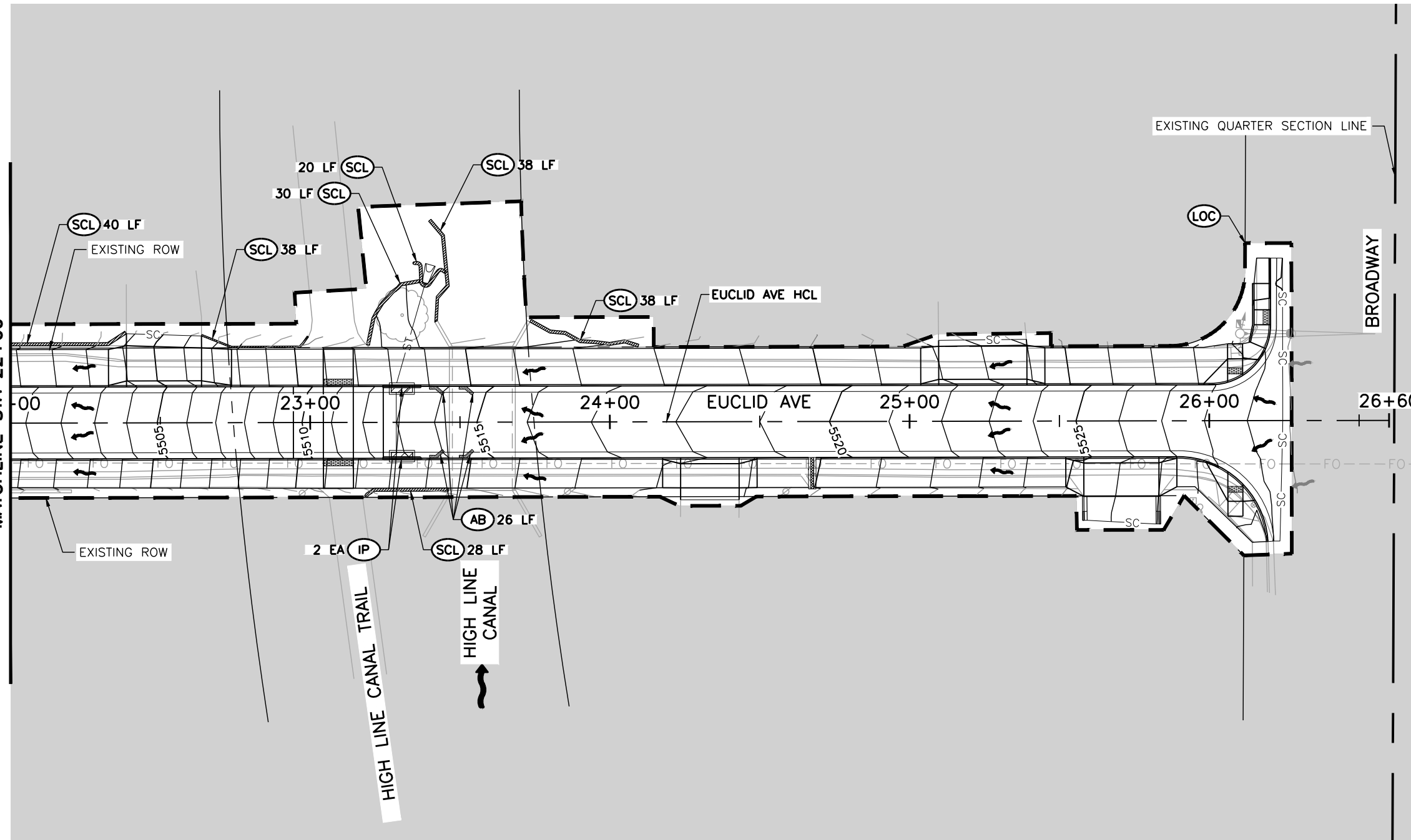
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Detailer:	LML		
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SEE SHEET 65  
MATCHLINE STA 22+00

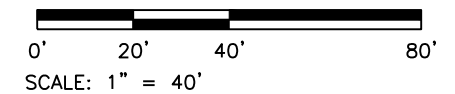


**LEGEND:**

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**NOTES:**

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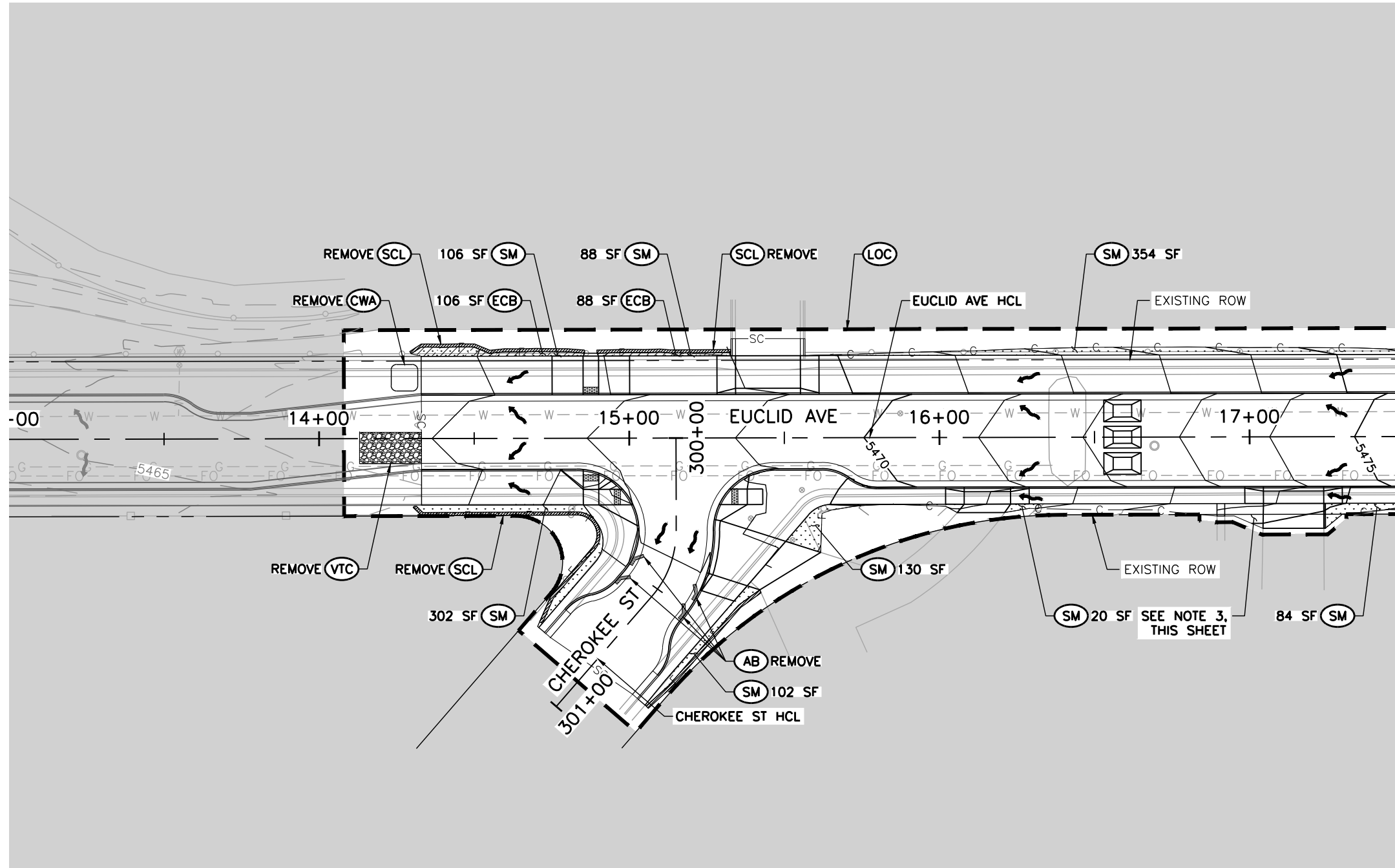
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<b>EUCLID AVE IMPROVEMENTS – PHASE 2</b>	
GRADING EROSION AND SEDIMENT CONTROL	
INTERIM PLANS	
Designer:	LML
Detailer:	LML
Sheet Subset:	GESC

<b>Project No.</b>
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Sheet Number: 66 of 73

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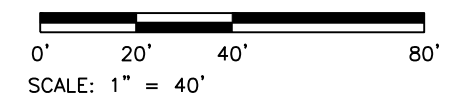


**LEGEND:**

- SC — SAWCUT LIMITS
- F — TOE OF FILL
- C — TOP OF CUT
- — — (LOC) LIMITS OF CONSTRUCTION
- — — (IP) INLET PROTECTION
- — — (AB) AGGREGATE BAG
- — — (SCL) SEDIMENT CONTROL LOG
- — — (VTC) VEHICLE TRACKING CONTROL
- — — (CWA) CONCRETE WASHOUT AREA
- — — (SM) SEEDING AND MULCHING
- — — (ECB) EROSION CONTROL BLANKET
- — — FLOW DIRECTION (EXISTING)
- — — FLOW DIRECTION (PROPOSED)
- — — AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

1. EROSION CONTROL MANAGEMENT SHALL BE LUMP SUM. SEEDING, MULCHING, AND TOPSOIL SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF WORK FOR LANDSCAPE RESTORATION AND SHALL BE LUMP SUM. BMPs SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR MODIFY AND FIELD-FIT AS NECESSARY.
2. SEEDING, MULCHING, AND LANDSCAPE RESTORATION SHOULD MATCH EXISTING LANDSCAPING OR AS DIRECTED BY THE ENGINEER. LANDSCAPE RESTORATION SHALL INCLUDE LANDSCAPE WALL RESTORATION.
3. REMOVE EXISTING STONE. ADD EMBANKMENT MATERIAL OR EXCAVATE AS NEEDED. REPLACE STONE.



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Sheet Revisions			
R-X	Date	Comments	Initials

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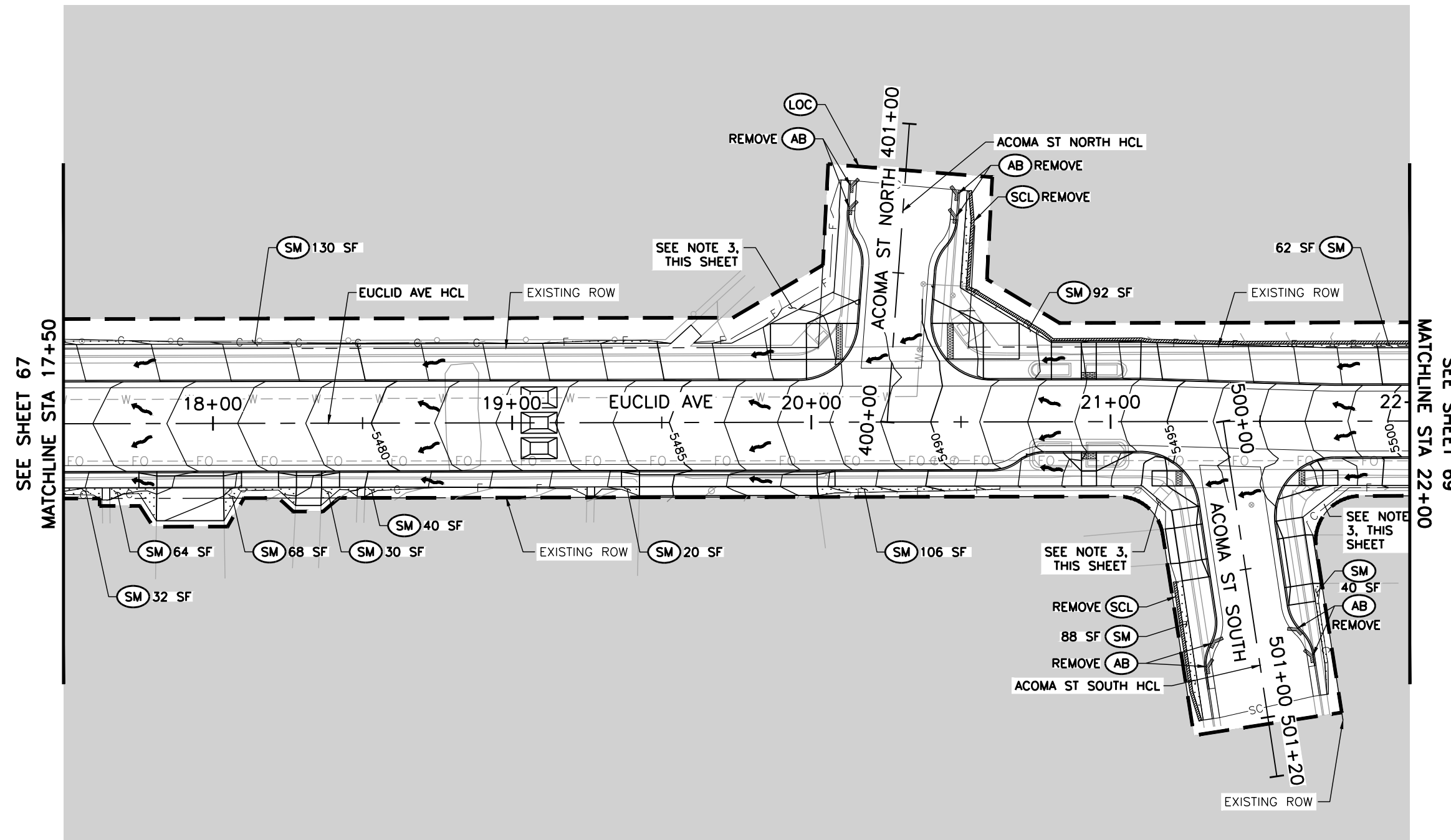
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No. Revisions:	
Revised:	
Void:	

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Designer:	LML	Structure Numbers:	
Detailer:	LML		
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<b>Project No.</b>	26-07
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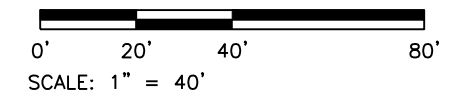


**LEGEND:**

- SC — SAWCUT LIMITS
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- — — (SM) SEEDING AND MULCHING
- — — (ECB) EROSION CONTROL BLANKET
- — — FLOW DIRECTION (EXISTING)
- — — FLOW DIRECTION (PROPOSED)
- — — AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

1. EROSION CONTROL MANAGEMENT SHALL BE LUMP SUM. SEEDING, MULCHING, AND TOPSOIL SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF WORK FOR LANDSCAPE RESTORATION AND SHALL BE LUMP SUM. BMPs SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO VERIFY THE INFORMATION SHOWN OR MODIFY AND FIELD-FIT AS NECESSARY.
2. SEEDING, MULCHING, AND LANDSCAPE RESTORATION SHOULD MATCH EXISTING LANDSCAPING OR AS DIRECTED BY THE ENGINEER. LANDSCAPE RESTORATION SHALL INCLUDE LANDSCAPE WALL RESTORATION.
3. REMOVE EXISTING STONE. ADD EMBANKMENT MATERIAL OR EXCAVATE AS NEEDED. REPLACE STONE.



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Sheet Revisions			
	Date	Comments	Initials
(R-X)			

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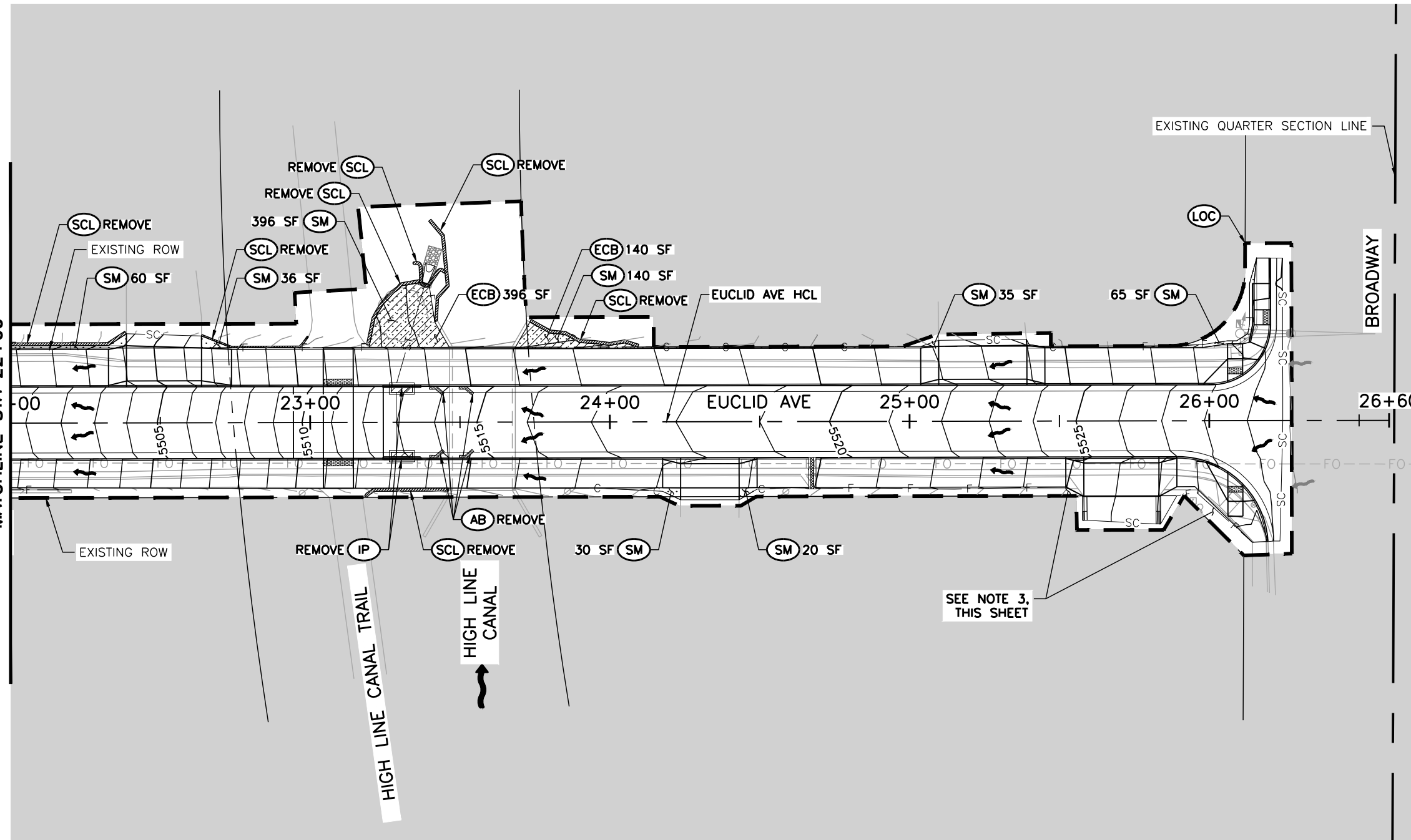
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No. Revisions:	
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<b>EUCLID AVE IMPROVEMENTS – PHASE 2 GRADING EROSION AND SEDIMENT CONTROL FINAL PLANS</b>			
Designer:	LML	Structure	
Detailer:	LML	Numbers	
Sheet Subset:	GESC	Subset Sheet Number:	8 of 9

<b>Project No.</b>	
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SEE SHEET 68  
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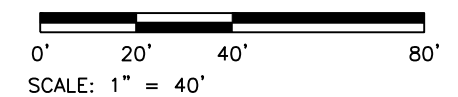


**LEGEND:**

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- F — TOE OF FILL
- C — TOP OF CUT
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- — — (SM) SEEDING AND MULCHING
- — — (ECB) EROSION CONTROL BLANKET
- — — FLOW DIRECTION (EXISTING)
- — — FLOW DIRECTION (PROPOSED)
- — — AREA OUTSIDE OF LIMITS OF CONSTRUCTION

**NOTES:**

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3. REMOVE EXISTING STONE. ADD EMBANKMENT MATERIAL OR EXCAVATE AS NEEDED. REPLACE STONE.



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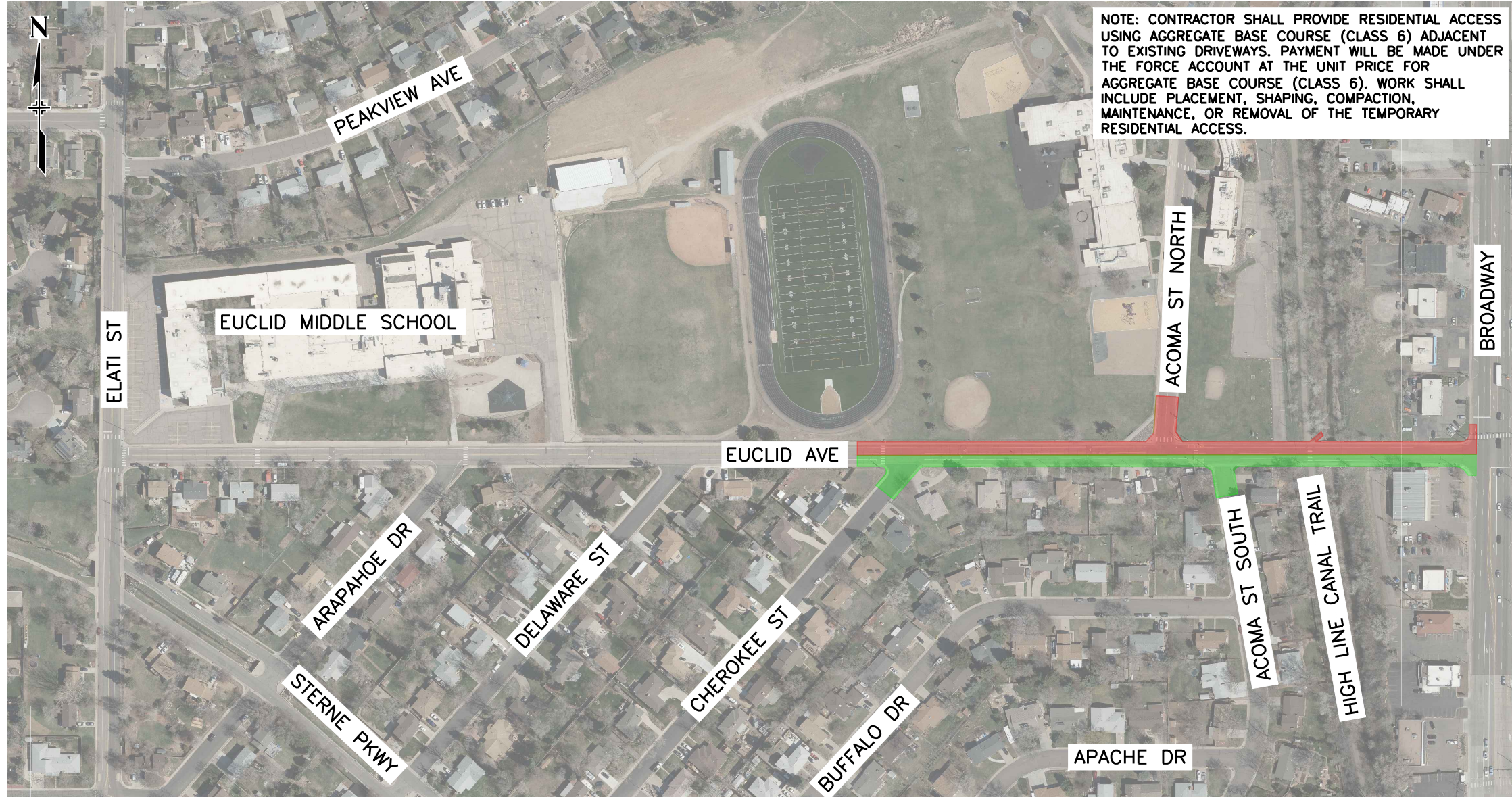
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No. Revisions:
Revised:
Void:

<b>EUCLID AVE IMPROVEMENTS – PHASE 2 GRADING EROSION AND SEDIMENT CONTROL FINAL PLANS</b>			
Designer:	LML	Structure Numbers:	
Detailer:	LML		
Sheet Subset:	GESC	Subset Sheet Number:	9 of 9

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Sheet Number: 69 of 73

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**NOTE: CONTRACTOR SHALL PROVIDE RESIDENTIAL ACCESS USING AGGREGATE BASE COURSE (CLASS 6) ADJACENT TO EXISTING DRIVEWAYS. PAYMENT WILL BE MADE UNDER THE FORCE ACCOUNT AT THE UNIT PRICE FOR AGGREGATE BASE COURSE (CLASS 6). WORK SHALL INCLUDE PLACEMENT, SHAPING, COMPACTION, MAINTENANCE, OR REMOVAL OF THE TEMPORARY RESIDENTIAL ACCESS.**

**LEGEND:**

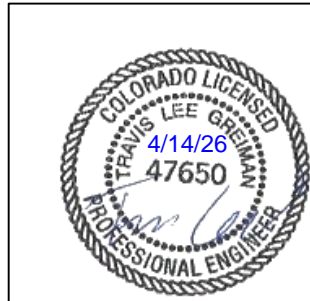
- WORK AREA - PHASE 1
- WORK AREA - PHASE 2

**PHASE 1:**

1. SAWCUT AND REMOVE EXISTING CURB RAMPS, CURB AND GUTTER, SIDEWALKS SECTIONS, AND DRIVEWAY SECTIONS ON THE SOUTH SIDE OF EUCLID AVE (BETWEEN CHEROKEE ST AND BROADWAY).
2. SAWCUT AND REMOVE EXISTING PAVEMENT ON THE SOUTH SIDE OF EUCLID AVE BETWEEN EXISTING CURB AND CUTTER AND THE PROPOSED EUCLID AVE HCL (BETWEEN CHEROKEE ST AND BROADWAY).
3. INSTALL STORM SEWER LATERAL LINE AND INLET ON THE SOUTH SIDE OF THE ROADWAY.
4. CONSTRUCT NEW CURB RAMPS, CURB AND GUTTER, SIDEWALK SECTIONS AND DRIVEWAY SECTIONS ON THE SOUTH SIDE OF EUCLID AVE (BETWEEN CHEROKEE ST AND BROADWAY). DURING CONSTRUCTION ALLOW ENTRY TO ALL PROPERTIES UNLESS THERE IS CURRENT CONCRETE WORK BEING PERFORMED.
5. CONSTRUCT ROADWAY PAVEMENT, RAISED PEDESTRIAN CROSSINGS, AND SPEED CUSHIONS BETWEEN PROPOSED CURB AND GUTTER AND PROPOSED EUCLID AVE HCL (BETWEEN CHEROKEE ST AND BROADWAY).

**PHASE 2:**

1. SAWCUT AND REMOVE EXISTING CURB RAMPS, CURB AND GUTTER, SIDEWALKS SECTIONS, AND DRIVEWAY SECTIONS ON THE NORTH SIDE OF EUCLID AVE (BETWEEN CHEROKEE ST AND BROADWAY).
2. SAWCUT AND REMOVE EXISTING PAVEMENT ON THE NORTH SIDE OF EUCLID AVE BETWEEN EXISTING CURB AND CUTTER AND THE PROPOSED EUCLID AVE HCL (BETWEEN CHEROKEE ST AND BROADWAY).
3. INSTALL STORM SEWER INLET ON THE NORTH SIDE OF EUCLID AVE AND THE OUTFALL INTO THE HIGH LINE CANAL.
4. CONSTRUCT NEW CURB RAMPS, CURB AND GUTTER, SIDEWALK SECTIONS AND DRIVEWAY SECTIONS ON THE NORTH SIDE OF EUCLID AVE (BETWEEN CHEROKEE ST AND BROADWAY). DURING CONSTRUCTION ALLOW ENTRY TO ALL PROPERTIES UNLESS THERE IS CURRENT CONCRETE WORK BEING PERFORMED.
5. CONSTRUCT ROADWAY PAVEMENT, RAISED PEDESTRIAN CROSSINGS, AND SPEED CUSHIONS BETWEEN PROPOSED CURB AND GUTTER AND PROPOSED EUCLID AVE HCL (BETWEEN CHEROKEE ST AND BROADWAY).
6. CENTER LANE LINES AND EDGE LANE LINES SHALL BE PLACED PER THE PAVEMENT MARKING TABULATIONS.
7. INSTALL THE TOP LIFT OF ASPHALT BETWEEN CHEROKEE ST AND BROADWAY.



**PROPOSED PHASING FOR EUCLID AVE IMPROVEMENTS - PHASE 2**

**GENERAL NOTES:**

1. DURING PHASE 1 CONSTRUCTION, THE WESTBOUND LANE SHALL BE MAINTAINED. UNLESS THE CONTRACTOR IS ACTIVELY CONSTRUCTING OR CURING CURB, GUTTER, SIDEWALK, OR DRIVEWAYS, RESIDENTIAL ACCESS SHALL BE MAINTAINED BETWEEN 5:00 PM AND 8:00 AM. DURING PERIODS WHERE DRIVEWAYS WILL NOT BE ACCESSIBLE, CONTRACTOR SHALL PROVIDE RESIDENTS THREE (3) DAYS ADVANCED NOTICE.
2. DURING PHASE 2 CONSTRUCTION, THE EASTBOUND LANE SHALL BE MAINTAINED.
3. ONE WAY TRAFFIC IS PERMITTED. TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE FOR EACH PHASE OF CONSTRUCTION.
4. SIDEWALKS SHALL BE CLOSED ON ONLY ONE SIDE OF THE STREET AT A TIME. WHEN A SIDEWALK IS CLOSED, "SIDEWALK CLOSED" SIGNS SHALL BE PLACED AT THE CLOSURE POINT AND "SIDEWALK CLOSED AHEAD CROSS HERE" OR "PEDESTRIAN DETOUR" SIGNS SHALL BE PLACED AT THE NEXT CROSSWALK PRIOR. WHERE THE NEXT CROSSWALK PRIOR IS AN UNREASONABLE DISTANCE AWAY, THE CONTRACTOR SHALL PROVIDE A TEMPORARY INTERIM CROSSING.
5. ACCESS TO THE HIGH LINE CANAL TRAIL SHALL BE PROVIDED AT ALL TIMES.
6. RESTORE LANDSCAPING TO ALL IMPACTED PROPERTIES OFF OF EUCLID AVE. LANDSCAPING SHALL BE RESTORED WITHIN SEVEN (7) DAYS AND DAMAGED IRRIGATION PIPES MUST BE REPAIRED WITHIN TWENTY-FOUR (24) HOURS.

Print Date: 4/14/2026  
 File Name: 1525-201872.18-CD-16-PHASING PLAN.dwg  
 Horizontal Scale: 1"=250' Vertical Scale:  
 5660 Greenwood Plaza Blvd, 400N Greenwood Village, Colorado 80111 (303) 771-6868

Sheet Revisions			
Date	Comments	Initials	
			(R-X)

**Littleton**  
 Colorado  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

**EUCLID AVE IMPROVEMENTS - PHASE 2**  
 PHASING PLAN

Designer:	LML
Detailer:	LML
Sheet Subset:	PHASE

<b>Project No.</b>	26-07
Sheet Number:	70 of 73

## IRRIGATION CONSTRUCTION NOTES

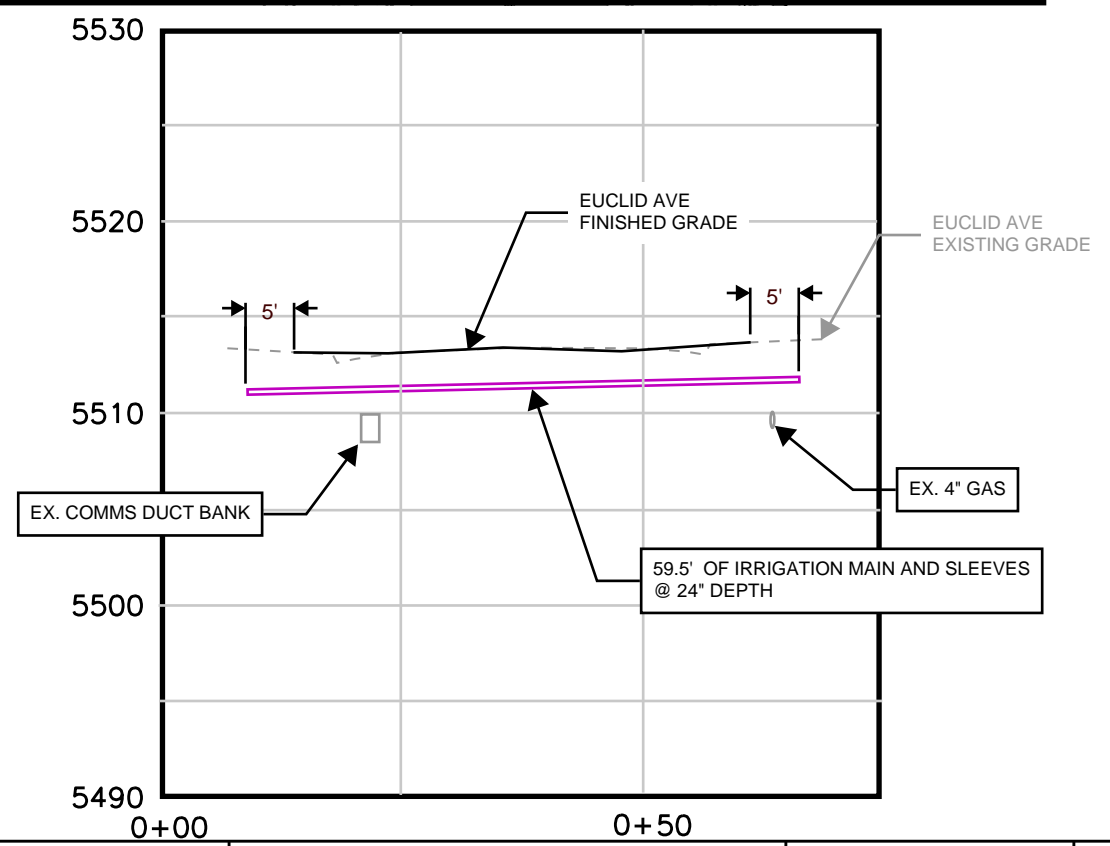
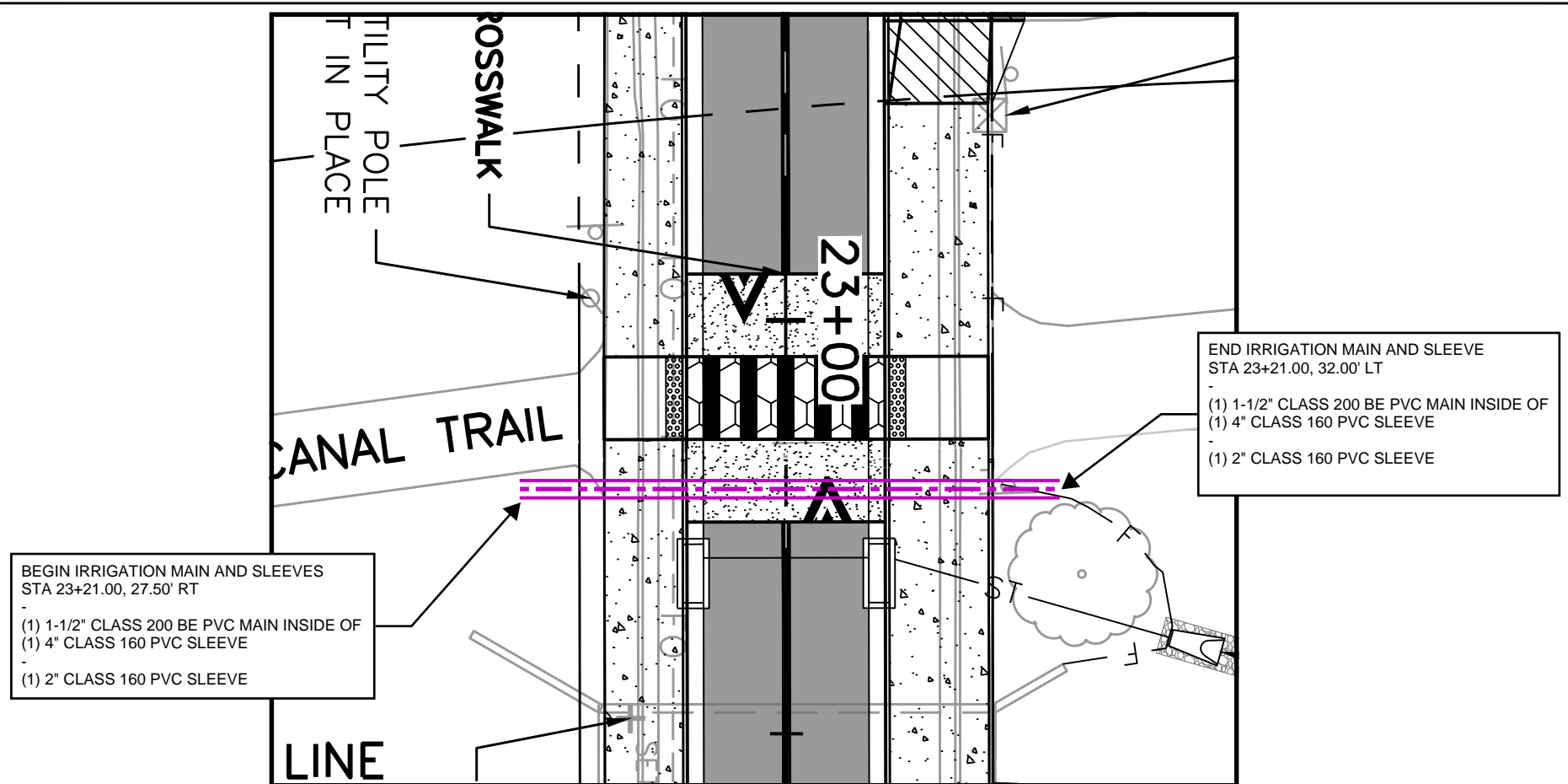
1. SLEEVING - ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS ARE TO BE INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS. ALL MAINLINE, CONTROL WIRES, AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING.

2. CONTROL WIRE SHALL BE INCLUDED IN THE PRICE OF WORK AND SHALL NOT BE PAID SEPERATELY.

3. CITY OF LITTLETON DIVISION OF GROUNDS, OPEN SPACE, AND NATURAL RESOURCES SHALL BE CONTACTED 48 HOURS PRIOR TO THE START OF IRRIGATION INSTALLATION. CITY OF LITTLETON DIVISION OF GROUNDS, OPEN SPACE, AND NATURAL RESOURCES INSPECTION APPROVAL IS REQUIRED PRIOR TO BACKFILL OF IRRIGATION LINES.

IRRIGATION SCHEDULE				
SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
		CLASS 200 BE - 2 1/2" # SMALLER	PVC MAINLINE	9
		CLASS 160	PVC SLEEVING	10

Print Date: 4/14/2026	<input type="checkbox"/> R-X <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sheet Revisions			 Public Works & Engineering 2255 W Berry Avenue Littleton, Colorado 80120	As Constructed		EUCLID AVE IMPROVEMENTS – PHASE 2			Project No.	
File Name:		Date	Comments	Initials		No. Revisions:	IRRIGATION PLANS			26-07		
Horizontal Scale: 1"=20'      Vertical Scale: 1"=10'		Revised:	Designer: KDM	Structure Numbers		Void:	Detailer: KDM	Sheet Subset: IRRIGATION	Subset Sheet Number: 1 of 3	Sheet Number: 71 of 73		



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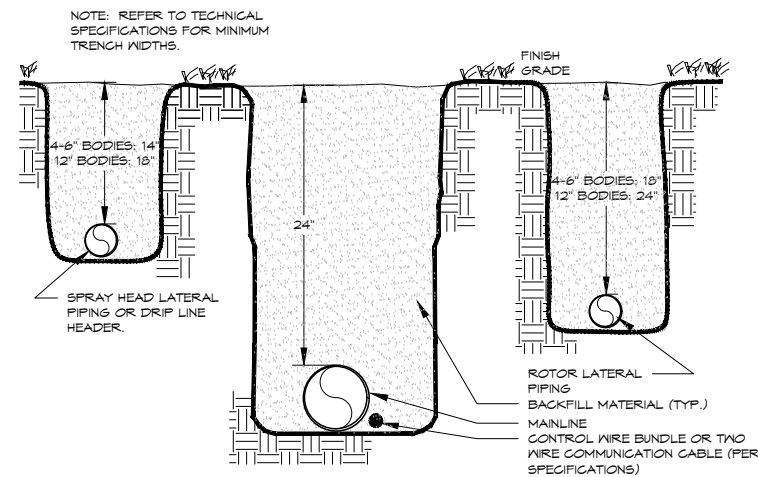
Sheet Revisions			
Date	Comments	Initials	

  
 Public Works & Engineering  
 2255 W Berry Avenue  
 Littleton, Colorado 80120

<b>As Constructed</b>
No. Revisions:
Revised:
Void:

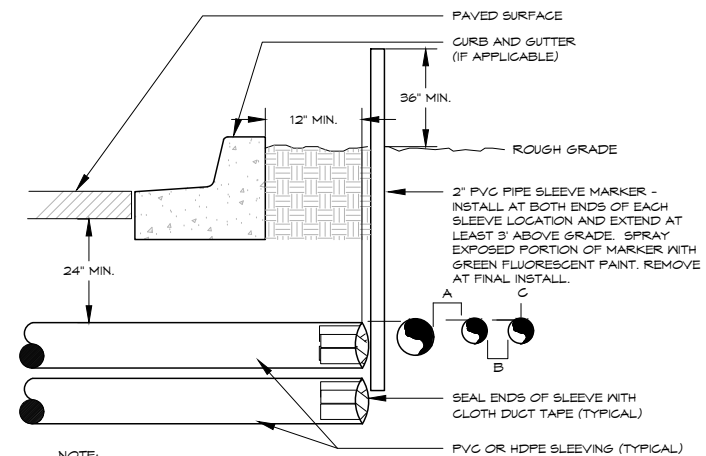
<b>EUCLID AVE IMPROVEMENTS – PHASE 2</b>			
IRRIGATION PLANS			
Designer:	KDM	Structure Numbers	
Detailer:	KDM		
Sheet Subset:	IRRIGATION	Subset Sheet Number:	2 of 3

<b>Project No.</b>
26-07
Sheet Number: 72 of 73



TRENCH  
24" MAINLINE

9



- NOTE:
- ALL SLEEVE MATERIAL PER IRRIGATION SCHEDULE, SIZE AS NOTED ON PLAN.
  - INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.
  - CONTRACTOR TO COORDINATE WITH FLATWORK INSTALLER TO BRAND A "V" IN SIDEWALK OR CURB AT BOTH ENDS OF SLEEVE CROSSING.
  - SLEEVING THROUGH OR UNDER RETAINING WALLS, PLANTER WALLS, POND LINING, OR WATER QUALITY AREAS SHALL BE COORDINATED WITH CIVIL WORK AT APPROXIMATE LOCATIONS SHOWN.
  - AN INDIVIDUAL SLEEVE SHALL CONTAIN NO MORE THAN ONE PIPE OR WIRE BUNDLE.

IRRIGATION SLEEVING  
TYPICAL

10

Print Date: 4/14/2026

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Sheet Revisions		
Date	Comments	Initials



Public Works & Engineering  
2255 W Berry Avenue  
Littleton, Colorado 80120

As Constructed

No. Revisions:

Revised:

Void:

EUCLID AVE IMPROVEMENTS – PHASE 2  
IRRIGATION PLANS

Designer:

KDM

Structure

Detailer:

KDM

Numbers

Sheet Subset:

IRRIGATION

Subset Sheet Number:

3 of 3

Project No.

26-07

Sheet Number: 73 of 73

# Exhibit F

## PROJECT SPECIAL PROVISIONS MODIFICATIONS TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS

The technical specifications for this project shall be the Colorado Department of Transportation 2025 Standard Specifications for Road and Bridge Construction and the most current version of the Metropolitan Government Pavement Engineers Council (MGPEC) standards. The following special provisions supplement or modify the Standard Specifications and Supplemental Specifications and take precedence over the Standard Specifications, Supplemental Specifications, and plans.

### PROJECT SPECIAL PROVISIONS

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## **NOTICE TO BIDDERS**

Pursuant to subsections 102.04 and 102.05, it is recommended that proposers on this project review the work site and plan details prior to submitting a proposal.

All inquiries and questions must be submitted in writing to the City of Littleton Procurement Specialist (IFB Designated Contact). From the date of issuance of the IFB through completion of the selection process, any proposer who contacts City employees other than the Designated Contact may be disqualified from further participation in the selection process, at the City's sole discretion. This supersedes any other subsections containing conflicting instructions regarding who to contact during the bid process.

The City will not be responsible for any oral instructions or interpretations given by or to anyone. It shall be conclusively presumed that the proposer did, before submitting a proposal, closely review the IFB, all exhibits/attachments, and other items relevant to the IFB.

The above-referenced individual or their designee are the only representatives of the City with authority to provide any information, clarification, or interpretation regarding the plans, specifications, and any other contract documents or requirements.

## COMMENCEMENT AND COMPLETION OF WORK

The Contractor shall commence work under the Contract within seven (7) calendar days after date of the "Notice to Proceed" work shall be completed within **75 Calendar Days**. Minimum Salient features to be shown (for each bid schedule) on the Contractor's Progress Schedule are:

- 1) ROW Use Permit (Littleton)
- 2) Traffic control setup per the approved MHT's for each phase of work.
- 3) Public Notification
- 4) Erosion Control
- 5) Removals
- 6) Earthwork/Subgrade
- 7) Curb & Gutter, Sidewalks, and Curb Ramps
- 8) Asphalt Paving, Concrete Paving
- 9) Storm Sewer Pipe and Inlets
- 10) Striping
- 11) Clean Up
- 12) Landscape/Irrigation Repair (as necessary).
- 13) Final Acceptance

**The intersection of Euclid Avenue and Cherokee Street shall be fully opened to traffic by August 7<sup>th</sup>, 2026.** All remaining work shall be completed prior to **the expiration of contract time unless previously approved by the City of Littleton.** Completion shall include all pavement marking installation.

**REVISION OF SECTION 101  
GENERAL PROVISIONS**

**SECTION 101 of the Standard Specifications is hereby revised for this project as follows:**

**101 DEFINITIONS & TERMS**

Technical Specifications related to construction materials and methods for the work embraced under this Contract shall consist of the Colorado Department of Transportation *Standard Specifications for Road and Bridge Construction* dated 2025.

Certain terms utilized in the Specifications referred to in the paragraph above shall be interpreted to have different meaning within the scope of this Contract. A summary of redefinitions follows:

- Subsection 101.28 “Department” shall mean the City of Littleton, Colorado.
- Subsection 101.29 “Chief Engineer” shall mean the City Engineer, Littleton, Colorado, or designated representative.
- Subsection 101.39 “Laboratory” shall mean Littleton, Colorado or their designated representative.
- Subsection 101.51 “Project Engineer” or “Project Manager” shall mean the City Engineer, Littleton, Colorado, or their designated representative.
- Subsection 101.76 “State” shall mean Littleton, Colorado (where applicable).

## **REVISION OF SECTION 105 CONTROL OF WORK**

**SECTION 105 of the Standard Specifications is hereby revised for this project as follows:**

### **105.13(a) CONSTRUCTION STAKES, LINES, AND GRADES**

*Shall include the following:*

Roadway staking will include stakes for; fence, centerline, slopes, grades (bluetops), curb and gutter, sidewalk, and median barrier. Grade stakes for finished subgrade will not be set until the grade established by the slope stakes is constructed to within 0.3 foot of the finished subgrade elevation.

Bluetops shall be provided at the centerline and edge of paving for the roadway at 50-foot intervals and 25-foot intervals withing 100 feet of intersections prior to grade verification and paving.

### **105.17 REMOVAL OF UNACCEPTABLE WORK AND UNAUTHORIZED WORK**

*Shall include the following:*

Contractor will verify all items to be removed and replaced with the Engineer. The Contractor shall verify, with the Engineer, any marked locations not included within the contract documents prior to any removal activities. Any removal NOT listed in the contract or otherwise verified and approved by the Engineer will be at the Contractor's expense.

Existing condition or damage to any adjacent infrastructure and/or structures shall be the responsibility of the Contractor to fully document prior to any work. The Contractor shall notify the Engineer of any existing damage and to confirm the various locations, and their limits, of existing damage prior to any work.

### **105.19 MAINTENANCE DURING CONSTRUCTION**

*Shall include the following:*

The Contractor shall pave the roadway surface within seven (7) calendar days of milling operations. If traffic is to be placed on a milled surface the Contractor shall adequately protect all utility appurtenances or vertical milled faces by placing a wedge of asphalt or other means deemed acceptable to the Engineer. All costs associated with temporary asphalt, pavement markings or additional signage shall not be measured and paid for separately but shall be included in the work.

**REVISION OF SECTION 106  
CONFORMITY TO THE CONTRACT OF HOT MIX ASPHALT**

**Section 106 of the Standard Special Provisions is hereby revised for this project as follows:**

Subsection 106.05 shall include the following:

For this project, Contractor process control testing of hot mix asphalt is mandatory and shall be completed in accordance with Table 106-1.

**REVISION OF SECTION 107  
LEGAL RELATIONS & RESPONSIBILITY TO THE PUBLIC**

**SECTION 107 of the Standard Specifications is hereby revised for this project as follows:**

**107.02 PERMITS, LICENSES, AND TAXES**

*Shall include the following:*

Unless otherwise specified, the Contractor shall procure all required permits and licenses; pay all charges, fees, and taxes, including permits procured for this project by others; and give all notices necessary and incidental to the due and lawful prosecution of the work. The costs of these permits will not be paid for separately but shall be included in the work.

Prior to beginning work, the Contractor shall furnish the Engineer with a written list of all permits required for the proper completion of the contract. The list shall clearly identify the types of permits that must be obtained before work on any particular phase or phases of work can be started. Copies of the fully executed permits shall be furnished to the Engineer upon request.

**107.07 PUBLIC CONVENIENCE AND SAFETY**

*Shall include the following:*

The Contractor shall provide the following services on an ongoing basis throughout the duration of the project:

- (a) A contact person for the project shall be designated by the Contractor at the preconstruction conference. This individual shall be primarily responsible for maintaining communications with the Engineer and impacted residents/businesses; provide information on a regular basis to private individuals, local organizations interested in the project and the affected agencies.
- (b) The following agencies shall be coordinated with on an ongoing basis:

**City of Littleton**

**South Metro Fire and Rescue**

**City of Littleton Police Department**

**Adjacent Businesses/Residents**

**RTD**

**Littleton Public Schools**

- (c) A letter of introduction and notice of work shall be delivered to all affected landowners and tenants at least five (5) business days and no more than ten (10) business days prior to

mobilization and the commencement of work for each project site.

(d) Updates shall be on a weekly basis after mobilization and one (1) week prior to any major traffic switches.

(e) The letter shall include the following as a minimum:

Contractor – Name, Address, Direct Phone Number

Field Superintendent – Name, Mobile Phone Number

Schedule (commencement date and duration) and description of work. Description of work shall include approximate length of time for spraying tack and paving operations restricting use of roadway.

Information regarding private property and repair procedures

(f) The contractor shall notify each adjacent property owner in writing a minimum of forty-eight (48) hours prior to the commencement of construction activities at the corresponding address or location.

(g) Payment for the above requirements will not be made separately but shall be included in the work.

#### **107.10 BARRICADES AND SIGNS**

##### ***Shall include the following:***

Construction traffic control signs or devices not in use shall be removed from the roadway and pedestrian walkway (sidewalk & trails). Laying the sign down in a horizontal position or turning the sign parallel is not permitted on the sidewalk and/or within private property such as residential yards.

Variable Message Boards (VMB) shall contain the following information at a minimum: type of work, the scheduled week of work, and the phrase “ALTERNATE ROUTES ARE ADVISED”.

Any missing or defaced signs shall be replaced within twenty-four (24) hours.

"NO PARKING" signs shall be placed a minimum of forty-eight (48) hours in advance of any construction activities on all streets to be resurfaced where on-street parking is permitted. No Parking signs shall specify the date range and time where no parking will be allowed due to construction activities.

“Bump” and “Milled Surface” signs, or approved equivalents, shall be posted in sufficient number and proper locations to adequately notify the public of such roadway conditions.

Any other signs as required by the Traffic Engineer shall be placed.

When surface treatment work is performed by contract, Contractor shall supply and maintain all signs at Contractor's expense.

For locations that do not have sufficient right-of-way available to store the sign(s) or device(s), they must be picked up or moved to an approved storage area. Signs that are placed in the medians must be dismantled, laid down, or relocated to the approved storage area.

**107.12 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE *shall be revised to include the following:***

- (a) The contractor shall replace and/or repair all damaged landscaping within seven (7) days of completion of the adjacent removal and replacement.
- (b) Sod damage resulting from concrete removal and replacement shall be cleanly cut to the limits of the damaged area(s) and parallel to the sidewalk or curb and gutter and replaced at a minimum removal and replacement width of 18" wide for the full length of the damaged area(s).
- (c) Landscape rock, mulch and other miscellaneous landscaping and all other related materials shall be cleared and replaced in a condition equal to or better than before construction.
- (d) The contractor shall repair and/or replace any damaged irrigation pipes. The repairs or replacement must be completed within twenty-four (24) hours of the damage.
- (e) Continuous failure to complete repair in the time specified above may result in the suspension of additional work until the specified repairs have been made and are determined to be satisfactory by the Engineer. Additional contract time will not be given for such suspensions.

Unless otherwise specified in the Contract, all work listed above will not be measured and paid for separately but shall be included in the work.

**REVISION OF SECTION 108  
PROSECUTION AND PROGRESS**

**SECTION 108 of the Standard Specifications is here by revised for this project as follows:**

**108.03 SCHEDULE**

*Shall include the following:*

The contractor shall provide a construction schedule at the pre-construction meeting for review by the Engineer.

**108.05 LIMITATION OF OPERATIONS**

*Shall include the following:*

In residential areas, the Contractor shall limit hours of operation to **7:00 a.m. to 7:00 p.m. Monday thru Friday, 9:00 AM to 5:00 PM Saturday, and no work on Sunday** or as otherwise approved in writing by the Engineer.

In non-residential areas, the Contractor shall limit hours of operation to **7:00 a.m. to 7:00 p.m. Monday thru Sunday** or as approved in writing by the Engineer.

**108.09 FAILURE TO COMPLETE WORK ON TIME**

*Shall include the following:*

A daily charge will be made against the Contractor for each calendar day that work is performed outside the working times listed in 108.09, Limitation of Operations. A penalty of \$500 per occurrence will be applied as Liquidated Damages.

**REVISION OF SECTION 202  
REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

**SECTION 202 of the Standard Specifications is hereby revised for this project as follows:**

**202.12 BASIS OF PAYMENT *shall be revised to include the following:***

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
Removal of Tree	Each
Removal of Chase Drain	Each
Removal of Inlet	Each
Removal of Delineator	Each
Removal of Concrete Median Cover Material	SY
Removal of Sidewalk	SY
Removal of Gutter	LF
Removal of Curb and Gutter	LF
Removal of Curb, Gutter, and Sidewalk	LF
Removal of Concrete Curb Ramp	SY
Removal of Concrete Pavement	SY
Removal of Asphalt Mat	SY
Removal of Asphalt Mat (Special)	SY
Removal of Ground Sign	Each
Removal of Sign Panel	Each

When the Contract does not include pay items for removal of a particular type of structure or obstruction, the removal will not be paid for separately but shall be included in the work.

Payment for Removal of Pipe, Removal of Catch Drain, and Removal of Manhole shall include necessary excavation, removal of the structures, lateral pipes (if any) and valve removal (if any), and capping (as necessary).

**REVISION OF SECTION 203  
EXCAVATION AND EMBANKMENT**

**SECTION 203 of the Standard Specifications is hereby revised for this project as follows:**

**203.02 EXCAVATION**

*Subsection 203.02 (c) is hereby deleted and replaced with the following:*

- (c) Material that is free of organics but has excessive moisture shall not be classified as unsuitable for subgrade due to the presence of excessive water. It shall be the Contractor's responsibility to satisfy the moisture conditions specified in the Contract Documents for subgrade. The classification of material as unsuitable for subgrade shall be made by the Engineer.

**203.13 METHOD OF MEASUREMENT** *shall be revised to include the following:*

Proof rolling will not be measured and paid for separately but shall be included in the work as required.

**203.12 BASIS OF PAYMENT** *shall be revised to include the following:*

Any additional excavation and backfill made by the Contractor below the approved subgrade elevation, without the prior acceptance of the Engineer will be at the responsibility and expense of the Contractor. No additional payment will be made.

**REVISION OF SECTION 208  
EROSION CONTROL**

**Section 208 of the Standard Specifications is hereby revised for this project as follows:**

**208.12 BASIS OF PAYMENT *shall be revised to include the following:***

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
Erosion Log Type 2 (12 Inch)	LF
Aggregate Bag	LF
Concrete Washout Area	Each
Storm Drain Inlet Protection (Type II)	Each
Vehicle Tracking Control	Each
Erosion Control Management	LS

Topsoil, native seeding, sod and mulching will be paid for under their respective sections.

## **REVISION OF SECTION 210 RESET STRUCTURES**

**Section 210 of the Standard Specifications is hereby revised for this project as follows:**

**Subsection 210.02 shall include the following:**

Any work performed by the Contractor on a utility facility is subject to inspection and approval by the owning utility company. The Contractor is responsible for coordinating inspection with the owning utility.

The Contractor must submit notice to the Project Manager of water service outages in accordance with Denver Water standards. The Contractor shall give a minimum of 30-day notice to the owning utility company before any work that will affect their facilities. The Contractor shall not operate any water valves without permission of the owning utility company.

All structures within pavement areas shall be recessed a minimum of a quarter inch to maximum of half inch below finish grade. Structures within sidewalk area shall have a pedestrian lid and flush with finish grade.

Structures within the roadway surface shall be adjusted prior to placement of the final lift of asphalt. Manhole ring and cover assemblies shall be adjusted to finish grade on reconstructs (includes up to 18" from top of cone section to finish grade). Manholes located within overlays will require grade adjustment rings that can be mechanically secured to the existing manhole ring. All materials shall be approved by the owning utility.

Temporary construction plates must be inspected prior to use on the project by the project inspector. All plates shall be sized for the manhole intended to be covered, shall have centering devices, and shall be traffic load rated.

**Subsection 210.10 shall include the following:**

**Valve Box Assembly.** "Replacement and/or adjustment of valve boxes" shall involve removal of the existing valve box riser assembly, or a portion thereof, and installation of a new valve box assembly, and raising or lowering the new assembly to match construction activity grade (elevation). Unless otherwise specified, all required materials shall be supplied by the Contractor. All materials used for this item shall be approved by the owning utility for use.

Valve Boxes located within overlays will require grade adjustment risers that can be mechanically secured to the existing valve top. "Drop in" adjusting rings will not be allowed. All materials shall be approved by the owning utility.

All utility valve boxes shall be identified, functional and accessible at all times.

When adjusting valve boxes, the box shall be cleaned of all foreign debris such that the operating nut of the valve is fully accessible to operate. The Work shall be subject to inspection by and approval of the owning utility and is incidental to the pay item for adjusting water valves.

**Monument (Type 3A).** Contractor shall comply with the requirements in Section 625.08.

**210.13 BASIS OF PAYMENT** *shall be revised to include the following:*

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Reset Ground Sign	Each
Adjust Manhole	Each
Adjust Valve Box	Each
Adjust Monument (Type 5)	Each

## **REVISION OF SECTION 212 LANDSCAPE RESTORATION**

**SECTION 212 of the Standard Specifications is here revised for this project as follows:**

### **DESCRIPTION**

**212.01** This work consists of restoring existing sod, landscaping (including existing walls), and sprinkler systems due to construction activities for curbs and sidewalks. The Contractor is also directed to the requirements of Revision of Section 107.12. Topsoil requirements shall comply with Section 207. Restoration of seeded and sodded areas shall comply with Section 212. Restoration of other landscaping materials, such as mulch and plantings, shall comply with Section 214.

### **CONSTRUCTION REQUIREMENTS**

**212.03** It is anticipated construction of curbs and sidewalks will affect existing miscellaneous landscape materials such as topsoil, sod, plantings, river rock, wood mulch, and other miscellaneous landscaping features. When the Contractor's construction operations for curbs and sidewalks affects existing landscaping, the Contractor shall document the landscaping prior to construction with photographs submitted to the Engineer.

The Contractor shall remove the landscape material to the limits required for construction and stockpile the material. Care shall be taken to not damage landscape materials during removal. Following completion of curbs and sidewalks the landscape material shall be restored to the areas.

Property owners shall be notified prior to removal of landscape materials, including information on schedule and restoration of the landscaping.

Any landscaping materials damaged by the Contractor's operations shall be replaced as directed by the Engineer at the Contractor's expense.

Grading and sidewalk construction may affect existing sprinkler heads and sprinkler lateral lines. If construction operations affect sprinkler systems, the sprinkler line shall be modified by capping or resetting as directed by the Engineer and coordinated with the adjacent property owner. Any sprinkler lines damaged shall be repaired as directed by the Engineer.

### **METHOD OF MEASUREMENT**

**212.07** Landscape Restoration will not be measured but shall be paid for as lump sum.

## **BASIS OF PAYMENT**

**212.08** Payment will be made under:

**Pay Item**

Landscape Restoration

**Pay Unit**

Lump Sum

Payment shall include removal, hauling, stockpiling, resetting, restoration and replacement of any damaged landscape materials. Payment shall include sprinkler system capping, resetting and repairs. Topsoil and Sod will not be paid for separately but shall be included in this work item.

**REVISION OF SECTION 250  
ENVIRONMENTAL, HEALTH AND SAFETY MANAGEMENT**

**SECTION 250 of the Standard Specifications is hereby revised for this project as follows:**

**250.03 GENERAL**

*Shall include the following:*

Job materials and equipment may be stockpiled and stored at locations near the job site. A list of sites to be used for this purpose and written permission from the property owner shall be submitted to the Engineer for approval at least ten (10) days prior to any use. The proposed truck route for ingress and egress to such sites shall also be submitted to the Engineer for approval. Using such job-site storage requires the following:

1. Obtaining written permission from the property owner, which shall include a brief description of the area of the property to be used, the length of time the property will be used for this purpose, any access restrictions (i.e. times of day), and the name and phone number of the property owner. A copy of the written permission shall be submitted to the Project Manager at least one week prior to delivery of material to the site.
2. Keeping stockpiles and equipment confined to the approved area.
3. Providing security for job materials and equipment and for public safety at the site.
4. Keeping all access roads clean and in good condition.
5. Returning site to original condition.

Precautions shall be taken to ensure that stockpiles are carefully mixed just prior to use to ensure uniform distribution of the moisture, and that they do not become contaminated with over-sized seed rock, clay, silt or excessive amounts of moisture. The stockpile shall be kept in areas that drain readily. Segregation of the aggregate will not be permitted.

When surface treatment work is performed by contract, the Contractor shall be responsible for compliance with all requirements of this section. The Contractor shall hold the City and all its employees and representatives harmless from any injury or damage to property occurring as a result of Contractor's operations on property used for this purpose.

**REVISION OF SECTION 304  
AGGREGATE BASE COURSE**

**SECTION 304 of the Standard Specifications is hereby revised for this project as follows:**

**304.02 AGGREGATE *shall be revised to include the following:***

The minimum allowable R-value for Aggregate Base Course shall be 78. The specific gravity for the aggregates shall be greater than 2.0 at the source. The use of crushed reclaimed concrete material under some circumstances may be substituted for natural aggregate for use in roadbed stabilization upon review and written approval of the Engineer. Aggregate base course for use in shouldering and all-weather surfaces shall be natural and approved by the City of Littleton. All-weather surfaces will be required in-place at the end of each shift when traffic is not running on pavement. Base course from within the existing roadway section, if encountered, can be used as an all-weather surface.

Base course shall have a minimum unit weight of 125 pounds per cubic foot.

The Contractor shall have adequate Aggregate Base Course available for use on project as required by the Engineer.

**304.08 BASIS OF PAYMENT *is deleted in its entirety and replaced with the following:***

Payment for aggregate base course shall be made at the applicable contract unit price for Aggregate Base Course and shall include full compensation for all transportation, materials, labor, equipment, supervision, tools, placement, compaction and all other appurtenant items to complete the work.

Excavation and removal of subgrade deemed unsuitable by the Engineer shall not be measured and paid of separately, but shall be included in the work.

Water will not be measured and paid for separately, but shall be included in the work.

If the Contractor utilizes imported crushed reclaimed concrete in lieu of aggregate base course, payment will be made on the accepted quantity of Aggregate Base Course, Class 6.

If the Contractor elects to utilize Aggregate Base Course to correct subgrade imperfections, over excavation of subgrade or control depths at their convenience this will not be paid for separately but shall be included in the work.

**Pay Item**

Aggregate Base Course (Class 6)

**Pay Unit**

CY

**REVISION OF SECTION 304 AND 403  
AGGREGATE BASE COURSE AND HOT MIX ASPHALT TICKET COLLECTION**

Sections 304 and 403 of the Standard Specifications is hereby revised for this project as follows:

Subsection 304.08 and 403.05 shall include the following:

The Contractor shall collect the scale ticket on each load when it is delivered to the project site, and ensure that the information required in subsection 109.01 is shown on each ticket. The Contractor's ticket collector shall add the placement location to each scale ticket using stationing or mileposts and sign it.

The scale tickets shall be available on site for City of Littleton personnel to inspect.

Each day the Contractor shall provide to the Engineer envelopes which contain the previous day's signed tickets and the following:

1. On each envelope: Project number, date of delivery, type of material, daily total and cumulative total.
2. One of the following:
  - A. Two adding machine tape tabulations of the weight tickets with corresponding totals run and signed by different persons,
  - B. One signed adding machine tape tabulation of the weight tickets that has been checked and signed by a second person,
  - C. Signed check tape of computer scale tickets that have a cumulative total. These scale tickets must be consecutive and without voids adjustments.
3. A listing of any overweight loads on the envelope, including ticket numbers and amount over legal limit.
4. A comparison of the actual yield for each day's placement to the theoretical yield. Theoretical yield shall be based on the actual area paved, the planned thickness, and the actual density of the mixture being placed. Any variance greater than +2.5% shall be indicated on the envelope and a written explanation included.

All of the above items such as collected scale tickets, total tabulation sheets, over weight tickets, overweight permits, haul vehicle ID sheets, and etc. shall also be submitted electronically (scanned pdf format).

The Contractor shall provide a vehicle identification sheet that contains the following information for each vehicle:

- (1) Vehicle number
- (2) Length
- (3) Tare weight
- (4) Number of axles
- (5) Distance between extreme axles
- (6) All other information required to determine legal weight.

(7) Legal weight limit.

**REVISION OF SECTION 403  
HOT MIX ASPHALT**

Section 403 of the Standard Specifications is hereby revised for this project as follows:

Subsection 403.02 shall include the following:

The design mix for hot mix asphalt shall conform to the following:

<b>Table 403-1</b>						
<b>Property</b>	<b>Test Method</b>	<b>Value For Grading</b>				
				S(75)	SX(75)	Patching
Air Voids, percent at: N (design)	CPL 5115			3.5 – 4.5	3.5 – 4.5	3.5 – 4.5
Lab Compaction (Revolutions): N (design)	CPL 5115			75	75	75
Stability, minimum	CPL 5106			28	30	28
Aggregate Retained on the 4.75 mm (No. 4) Sieve for S, SX and SG, and on the 2.36mm (No. 8) Sieve for ST and SF with at least 2 Mechanically Induced fractured faces, % minimum*	CP 45			60%	60%	60%
Accelerated Moisture Susceptibility Tensile Strength Ratio (Lottman), minimum	CPL 5109 Method B			80	80	80
Minimum Dry Split Tensile Strength, kPa (psi)	CPL 5109 Method B			205 (30)	205 (30)	205 (30)
Grade of Asphalt Cement, Top Layer				PG64-22	PG64-22	PG64-22
Grade of Asphalt Cement, Layers below Top				PG64-22	PG64-22	PG64-22
Voids in the Mineral Aggregate (VMA) % minimum	CP 48			See Table 403-2	See Table 403-2	See Table 403-2
Voids Filled with Asphalt (VFA), %	AI MS-2			65-80	65-75	65-75
Dust to Asphalt Ratio Fine Gradation Coarse Gradation	CP 50			0.6 – 1.2 0.8 – 1.6	0.6 – 1.2 0.8 – 1.6	0.6 - 1.2 0.8 – 1.6
<p>Note: AI MS-2 = Asphalt Institute Manual Series 2</p> <p>Note: Mixes with gradations having less than 40% passing the 4.75 mm (No. 4) sieve shall be approached with caution because of constructability problems.</p> <p>Note: Gradations for mixes with a nominal maximum aggregate size of one-inch or larger are considered a coarse gradation if they pass below the maximum density line at the #4 screen.            Gradations for mixes with a nominal maximum aggregate size of 3/4" to 3/8" are considered a coarse gradation if they pass below the maximum density line at the #8 screen.            Gradations for mixes with a nominal maximum aggregate size of #4 or smaller are considered a coarse gradation if they pass below the maximum density line at the #16 screen.</p> <p>*Fractured face requirements for SF may be waived by RME depending on project conditions.</p>						

All mix designs shall be run with a gyratory compaction angle of 1.25 degrees and properties must satisfy Table 403-1. Form 43 will establish construction targets for Asphalt Cement and all mix properties at Air Voids up to 1.0 percent below the mix design optimum. CDOT will establish the production asphalt cement and volumetric targets based on the Contractor's mix design and the relationships shown between the hot mix asphalt mixture volumetric properties and asphalt cement contents on the Form 429. CDOT may select a different AC content other than the one shown at optimum on the Contractor's mix design in order to establish the production targets as contained on the Form 43. Historically, Air Voids adjustments typically result in asphalt cement increases from 0.1 to 0.5 percent. Asphalt binder content shall conform to the following: minimum of 5.4% and a maximum of 6.1%. Contractors bidding the project should anticipate this change and factor it into their unit price bid.

**Table 403-2**

Nominal Maximum Size*, mm (inches)	Minimum Voids in the Mineral Aggregate (VMA)			
	***Design Air Voids **			
	3.5%	4.0%	4.5%	5.0%
37.5 (1½)	11.6	11.7	11.8	N/A
25.0 (1)	12.6	12.7	12.8	
19.0 (¾)	13.6	13.7	13.8	
12.5 (½)	14.6	14.7	14.8	
9.5 (⅜)	15.6	15.7	15.8	
4.75 (No. 4)	16.6	16.7	16.8	16.9
	* The Nominal Maximum Size is defined as one sieve larger than the first sieve to retain more than 10%. ** Interpolate specified VMA values for design air voids between those listed. *** Extrapolate specified VMA values for production air voids beyond those listed.			

The Contractor shall prepare a quality control plan outlining the steps taken to minimize segregation of HMA. This plan shall be submitted to the Engineer and approved prior to beginning the paving operations. When the Engineer determines that segregation is unacceptable, the paving shall stop and the cause of segregation shall be corrected before paving operations will be allowed to resume.

Hot mix asphalt for patching shall conform to the gradation requirements for Hot Mix Asphalt (Grading SX).

Subsection 403.03 shall include the following:

Delete subsection 403.05 and replace with the following:

**403.05** The accepted quantities of hot mix asphalt will be paid for in accordance with subsection 401.22, at the contract unit price per ton for the bituminous mixture.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Hot Mix Asphalt (Patching)	SY
Hot Mix Asphalt (Grading S)(75)(PG 64-22)	Ton
Hot Mix Asphalt (Grading SX)(75)(PG 64-22)	Ton

Aggregate, asphalt recycling agent, asphalt cement, additives, hydrated lime, and all other work and materials necessary to complete each hot mix asphalt item will not be paid for separately but shall be included in the unit price bid. When the pay item includes the PG binder grade, any change to the submitted mix design's optimum asphalt cement content to establish production targets for the mix design/Form 43 will not be measured and paid for separately but shall be included in the work. No additional compensation will be considered or paid for any additional asphalt cement, plant modifications and additional personnel required to produce the HMA as a result in a change to the mix design asphalt cement content.

Historically, typical asphalt cement increases reflected on the mix/designForm 43 are from 0.1 to 0.5 percent. However, the Contractor should anticipate the AC increases typical of his mixes. Contractors bidding the project should anticipate this change and factor it into their unit price bid.

When the pay item does not include the PG binder grade, asphalt cement will be measured and paid for in accordance with Section 411. Asphalt cement used in Hot Mix Asphalt (Patching) will not be measured and paid for separately, but shall be included in the work.

Excavation, preparation, and tack coat of areas to be patched will not be measured and paid for separately, but shall be included in the work.

**REVISION OF SECTION 412  
CONCRETE PAVEMENT (10 INCH) (SPECIAL)**

**Section 412 of the Standard Specifications is hereby revised for this project as follows:**

**Subsection 412.02 shall include the following:**

Concrete Pavement (Special) shall consist of concrete pavement with an integral color admixture. The color shall be Federal Color 20109 “Red Brown”. The Contractor shall submit a concrete color sample and product information to the Engineer for approval prior to construction.

The color admixture shall be incorporated into the concrete according to the manufacturer’s recommendations.

**Subsection 412.24 shall include the following:**

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
Concrete Pavement (10 Inch) (Special)	Square Yard

Color admixture and color sample shall be included in the cost of Concrete Pavement (Special).

**REVISION OF SECTION 608  
SIDEWALKS AND BIKEWAYS**

**Section 608 of the Standard Specifications is hereby revised as follows:**

**608.03 Concrete Sidewalks and Bikeways is hereby revised to include the following:**

(e) *Joints.* Newly constructed curb and gutter shall not be poured monolithically with adjacent curb ramps or sidewalks unless otherwise approved or directed by the Engineer.

**REVISION OF SECTION 614  
SIGNS AND SIGN POSTS**

Section 614 of the Standard Specifications is hereby revised for this project as follows:

Subsection 614.02 shall include the following:

Sign posts and bases shall be steel galvanized perforated square tubing as supplied by Unistrut, or approved equal.

Signs shall use sign posts with 2-inch x 2-inch tube, with bases of 2.25-inch x 2.25-inch tube.

Bases shall be 3 feet long, embedded with 2 inches to 4 inches exposed above the ground, and the post inserted 18 inches to 24 inches into the base.

Subsection 614.09 shall include the following:

Sign panels shall be mounted to sign posts with oversized washers.

Subsection 614.14 shall include the following:

<b>Pay Item</b>	<b>Pay Unit</b>
Steel Sign Post (2 x 2 Inch Telespar Tubing)	Linear Foot

Sign post anchors, hardware and other incidental materials necessary for the proper installation of the item, will not be measured and paid for separately, but shall be included in the cost of the steel sign post.

**REVISION OF SECTIONS 627 AND 713  
PREFORMED THERMOPLASTIC PAVEMENT MARKING**

**Section 627 of the Standard Special Provisions is hereby revised for this project as follows:**

**Subsection 627.09 (a) shall include the following:**

- (a) *Application.* An epoxy resin primer shall be applied to any existing surface (concrete, asphalt, existing markings, etc.) prior to the application of any new preformed thermoplastic, plastic pavement marking. The epoxy resin primer shall conform to CDOT Standard Specifications subsection 708.07. Primer shall be required for all markings used including markings that manufacture does not require a primer. Primer and application will not be measured and paid for separately, but shall be included in the work.

Surface shall be dry and free of dirt, dust, chemicals, and/or significant oily substances. Application procedures for Portland concrete pavement shall be as described above except a compatible primer sealer shall be applied before application of marking to assure proper adhesion.

**Subsection 627.09 shall include the following:**

- (c) *Inlaid Preformed Thermoplastic Pavement Marking.* Shall be done for crosswalks, stop lines and symbols. The grooved width shall be the pavement marking width plus 1 inch, with a tolerance of  $\pm \frac{1}{4}$  inch. The depth of the grooves shall be 130 mils  $\pm$  5 mils. Groove position shall be a minimum of 2 inches from the edge of the pavement marking to the longitudinal pavement joint. Grinding of existing preformed thermoplastic pavement marking and the inlaying of proposed preformed thermoplastic pavement marking shall not be measured and paid for separately, but shall be included in the work.

Grooving shall not be performed on bridge decks.

The preformed thermoplastic pavement marking shall be inlaid on new and existing pavements as shown in the Contract. The material shall be capable of use for patching worn areas of the same type according to the manufacturer's recommendations.

**The following shall be included in subsection 627.13:**

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line)	Square Foot
Preformed Thermoplastic Pavement Marking (Word-Symbol)	Square Foot

Removal and application of temporary preformed thermoplastic pavement marking associated with wet-cutting of pavement shall be at the Contractor's expense.

**Subsection 713.14 (a) shall include the following:**

- (a) *General.* Material such as lines, legends, or symbols shall be capable of being affixed to HMA or PCC pavements. Marking shall be capable of conforming to pavement contours, breaks, and

faults etc. by the use of the normal heat of a propane torch. Marking shall be capable of withstanding the actions of traffic at normal pavement temperatures. Marking shall have resealing characteristics such that it is capable of fusing with itself and previously applied thermoplastic pavement markings when heated with the torch.

**Subsection 713.14 shall include the following:**

(c) *Performance.* Marking, when applied in accordance with manufactures recommendations shall demonstrate a uniform level of sufficient night time retro-reflection when tested in accordance to ASTM E1710-97. The applied material must have an initial minimum intensity reading of  $500 \text{ mcd} \cdot \text{m}^{-2} \cdot 1\text{x}^{-1}$  for white and  $300 \text{ mcd} \cdot \text{m}^{-2} \cdot 1\text{x}^{-1}$  for yellow as measured with a retro-reflectometer.

The top surface of the stencils (the same side as the factory applied surface beads) shall have an indicator system for the contractor to properly gauge the correct amount of heat to apply during installation. The indicator system shall have a positive visual indication, such as beads changing color or indents closing together, when the material has reached the correct installation temperature. The indicator system must also provide a positive, visual indication if the material has not reached the correct installation temperature.

**REVISION OF SECTION 630  
CONSTRUCTION ZONE TRAFFIC CONTROL**

**Section 630 of the Standard Specifications is hereby revised as follows:**

**Subsection 630.01 is revised to include the following:**

1. Working hours shall be 7:00 a.m. to 7:00 p.m. Monday through Friday, 9:00 AM to 5:00 PM Saturday, and no work on Sunday in all residential areas, or as otherwise approved in writing by the Engineer.
2. Working hours shall be 7:00 a.m. to 7:00 p.m. Monday through Sunday in non-residential areas.
3. A full closure of Euclid Avenue is acceptable.
4. All work done outside the times above must be approved by the Engineer in writing.

As required by, in descending order of precedence, these plans and special specifications, the current Standard Specifications, as augmented by the Colorado Department of Transportation M and/or S standards, and the current version of the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways.

**Subsection 630.10 through 630.11 shall be modified to read:**

Traffic control throughout the construction area is the responsibility of the Contractor. Before starting construction, the Contractor shall submit, in writing, the proposed Method of Handling Traffic (MHT) for the initial phase of construction. When a different MHT is required for a subsequent construction phase, it must be submitted two weeks prior to starting that phase. All proposed methods of handling traffic shall be approved, in writing, by the Engineer. No phase of construction shall start until an acceptable MHT has been received and approved by the Engineer. The proposed methods shall include, as a minimum, the following:

A detailed diagram which shows the location of all sign placements, including advance construction signs (if not previously approved) and speed limit signs; method length and time duration for lane closures; and location of flag persons.

A tabulation of all traffic control devices shown in the detailed diagram including, but not limited to: construction signs, vertical panels; vertical panels with lights; Type 1 and Type 2 barricades; cones and drum channelizing devices; concrete barrier (temporary); advance warning flashing or sequencing arrow panels.

Approval of the proposed MHT is intended to indicate all devices to complete the project safely. Such approval does not relieve the contractor of liability specifically assigned to him under the contract. The Contractor shall erect and maintain warning lights, signs, barricades, and sufficient safeguards around all excavations, embankments, stockpiles, equipment, and obstructions.

Non-metallic drums may be substituted for vertical panel channelizing devices if site dimensions allow.

The Contractor shall, at the preconstruction conference, designate one of their employees, other than

the Superintendent, to be responsible for traffic control management. This responsibility shall include management for the contractor's signing and all other details covered by the specifications which contribute to the convenience, safety, and orderly movement of traffic and to the comfort of the traveling public. The designated employee will have the Certification of the Traffic Control Supervisor as a Worksite Traffic Supervisor by the American Traffic Safety Services Association (ATSSA) in lieu of completion of the CDOT minimum training requirements.

Traffic control managements shall be maintained on a 24-hour per day basis. The contractor shall make arrangements so that the Traffic Control supervisor or their approved representative will be available on every working day, "on call" at all times and available upon the Engineer's request at other than normal working hours. The Traffic Control Supervisor shall have an up-to-date copy of Part VI of the MUTCD, pertaining to traffic controls for street and highway constructions, and the approved MHT available at all times.

The contractor shall apply for and receive a City of Littleton right-of-way use permit (at no cost to the contractor) prior to commencing operations.

Due to the mobility of the operation, the contractor will need to provide traffic control consistent with the MUTCD. For sweeping operations, the contractor will need to provide an MHT.

The flagger's STOP/SLOW sign paddle shall be 18 inches with letters six inches high.

The Contractor shall provide three (3) variable message boards for the duration of the project to be deployed at the City's direction. Variable message boards shall be placed on eastbound Euclid Avenue, westbound Euclid Avenue, and southbound Broadway. Variable message boards shall be in place two (2) weeks prior to the start of construction.

Specific traffic control requirements for this project are as follows:

- Proposed phasing:
  - Phase 1 – South side of the roadway, including all curb, gutter, sidewalk, signing, striping, and driveway construction.
  - Phase 2 – North side of the roadway, including all curb, gutter, sidewalk, signing, striping, and driveway construction.
- **The intersection of Euclid Avenue and Cherokee Street shall be fully opened to traffic by August 7<sup>th</sup>, 2026.**
- One-way traffic is permitted.
  - During Phase 1 construction, one westbound lane shall be maintained. Unless the contractor is actively constructing or curing curb, gutter, sidewalk, or driveways, residential access shall be maintained between 5:00pm and 8:00am. During periods when driveways will not be accessible, Contractor shall provide residents three (3) days advanced notice.
  - During Phase 2 construction, one eastbound lane shall be maintained.
- Traffic lanes shall be a minimum of 10 feet wide for each phase of construction.
- Sidewalks shall be closed on only one side of the street at a time. When a sidewalk is closed, "Sidewalk Closed" signs shall be placed at the closure point and "Sidewalk Closed Ahead Cross Here" or "Pedestrian Detour" signs shall be placed at the next crosswalk prior. Where

the next crosswalk prior is an unreasonable distance away, the Contractor shall provide a temporary interim crossing.

**Subsection 630.13 is revised to include the following:**

**Prior Notification**

The Contractor shall place "NO PARKING TOW AWAY ZONE" signs a minimum of 48 hours in advance.

The Contractor shall notify all residents in residential areas where work is scheduled with a 5-day notice and a 48-hour notice in advance of all construction operations. The Contractor shall distribute WRITTEN notices using door hangers to each individual residence in a form approved by the Project Manager and post signs in accordance with this section. The Contractor shall also notify all businesses in shopping and commercial areas where work is scheduled 5 days in advance of all construction operations. The Contractor shall also place signs on streets requiring no parking for operations a minimum of 48 hours in advance. The signs shall be R7-2 / R7-201, 201A as detailed in the Manual on Uniform Traffic Control Devices. The hours for parking restrictions on the signs shall conform to Revised Section 108.05. The contractor shall place sufficient signs within each block to notify residents of the parking restrictions and shall be responsible for maintaining all traffic control signs. Requests for towing may not be honored if the provisions of this specification are not met. All arrangements for towing vehicles in violation of the parking restrictions shall be made by the Contractor by contacting the CITY OF LITTLETON non-emergency phone number of 303-794-1551. It is advisable for field staff to have a physical copy of the Public Improvements Permit at all times.

Forms for resident and business notification shall be submitted to the Project Manager for approval prior to the start of construction and shall contain the following information at a minimum:

- City of Littleton Logo & Contractor Logo
- Project Name and Description
- Name, address and telephone number of the Contractor
- Description of the work (prior to mobilization, initial removals, paving)
- Dates of the work (range of dates)
- Contractor's contact person for citizen questions, (24-hour availability)

**Towing**

Vehicles shall be identified by the Engineer and shall be limited to any class of vehicle that is upright and on wheels. 'No Parking' signs shall have been in-place and maintained for a minimum of forty-eight (48) hours along the proposed street segment prior to towing a vehicle.

The Contractor shall make every reasonable attempt as determined by the Engineer, including but not limited to door-to-door investigation, to locate the owner/operator of the vehicle prior to initiating the towing process.

Towing shall be limited to towing a vehicle conflicting with the current or proposed work activities. Vehicles shall be towed using techniques that do not damage the towed vehicle or the roadway, adjacent structures, or other public property or assets. Vehicles shall be towed to a location

designated by the Engineer at the time of towing, typically to an adjacent street beyond the proposed work area. **Towed vehicles shall be positioned in a legal parking space within a public roadway in a manner that permits through traffic.**

Immediately after towing a vehicle, the Contractor shall affix a notice to the windshield or other appropriate place on the motor vehicle, stating "This vehicle was parked within a Temporary Construction Work Zone. It was moved to this location by order of the City of Littleton Public Works.", or similar language approved by the Engineer.

The City shall not grant additional time or compensation for any resulting delays or loss of production because of failure to comply with the requirements of the Contract Documents including posting of notices and identifying and towing vehicles. Initial cost of towing will be the responsibility of the Contractor but can be reimbursed at a later date using the force account for the project if deemed reasonable by the Engineer and documentation of towing tickets can be provided by the Contractor.

### **Towing Tickets**

The Contractor shall deliver a towing ticket identifying the following information:

- Date and time towing request received,
- Make, model, and license number of vehicle towed,
- Locations vehicle towed from and to, and
- Signature of an authorized City Representative with time and date work performed.

### **Towing Equipment Requirements**

Towing equipment shall, at a minimum, be equipped with a power winch, two-way radio, ten-pound dry fire extinguisher, motorcycle sling, dollies or flatbed equipment, and other modern towing and safety devices. All equipment shall be in good working condition when reporting for use.

**630.17 METHOD OF MEASUREMENT and 630.16 BASIS OF PAYMENT are hereby deleted in their entirety and replaced with the following:**

Traffic control shall be paid on a lump sum basis to be paid for as follows: 50 percent of the Schedule amount upon first utilization and the remaining 50 percent of the Schedule amount when 75 percent of the original schedule amount has been earned.

In the event towing services are required, the Contractor shall be reimbursed \$150 per vehicle through the Force Account Item for Minor Contract Revisions. Reimbursement shall be considered full compensation for coordination, mobilization, towing vehicles, mechanical work, fees, fuel, maintenance, and for furnishing all materials, labor, equipment, tools, and incidentals or related services necessary to complete the work. Any towing performed without required signage or pre-authorization will not be paid.

### **PAY ITEM**

Traffic Control

### **UNIT**

Lump Sum

## **FORCE ACCOUNT ITEMS**

### **DESCRIPTION**

This special provision contains the City's estimate for force account items included in the Contract. Such estimated amounts will be added to the total bid to determine the Project Commitment Amount and the amount of the performance and payment bonds. Force Account work shall be performed as directed by the Engineer.

### **BASIS OF PAYMENT**

Payment will be made in accordance with subsection 109.04. Payment will constitute full compensation for all work necessary to complete the item.

Force account work valued at \$5,000 or less, that must be performed by a licensed journeyman in order to comply with federal, state, or local codes, may be paid for after receipt of an itemized statement endorsed by the Contractor.

<u><b>Force Account Item</b></u>	<u><b>Quantity</b></u>	<u><b>Estimated Amount</b></u>
F/A Minor Contract Revisions	F.A.	\$125,000.00

## **PROJECT DESCRIPTION**

The City of Littleton Public Works is concentrating on maintaining and preserving the condition of existing roadway infrastructure throughout the City. This project consists of furnishing all labor, equipment, and some materials necessary to reconstruct, rehabilitate, and maintain West Euclid Avenue between Cherokee Street and Broadway. The anticipated work includes asphalt paving, sidewalk, concrete curb, gutter, and curb ramps, patching, signage, striping, and adjusting manholes and valves.

## **LOCATION SCHEDULE**

See attached construction documents.

## **CONSTRUCTION NOTES**

Alternative construction sequences may be submitted but are subject to approval by the Engineer. Acceptance of alternatives will be based upon impacts to the public and cost.

Stockpiling location of material must be approved by the Engineer, or a written approval from property owner submitted.

All excess material will be disposed of off-site, or at an approved site by the Engineer.

Due to budget limitations, the City reserves the right to increase or decrease the total quantity to meet their needs. Repricing of the items will not be permitted due to a change in the planned quantity.

Work shall proceed at the direction of the City's Engineer or his designee.