



# Town of Frisco

## Public Works Department

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P.O. Box 4100 • Frisco, Colorado 80443

### TOWN OF FRISCO REQUEST FOR PROPOSALS

The Town of Frisco is accepting proposals for Earth Work and Paving of the 2<sup>nd</sup> Ave. Alley from 2<sup>nd</sup> Avenue to 3<sup>rd</sup> Avenue and the Pine Drive Alley from 2<sup>nd</sup> Avenue to 3<sup>rd</sup> Avenue.

All proposals are due no later than 2:00 PM February 7<sup>th</sup>, 2020.

All proposals shall be sealed and delivered to the Town of Frisco, PO Box 4100, 102 School Road Frisco, CO 80443.

A proposed schedule showing the start date and weekly expectations of work throughout the project is required before work begins.

#### Scope of Work:

- Mobilization
- Traffic Control
- Erosion Control
- Construction Surveying
- Export Surplus Subgrade
- Asphalt Grade SX (75) PG 58-28 Rap Mix
- Base (CDOT Class 6)
- 3' Concrete Pan
- 8' Concrete Pan with Aprons
- Driveway Asphalt
- Driveway Base (CDOT Class 6)
- Scarification (12" Depth, moisture conditioned and re-compacted)
- Shouldering (CDOT Class 6)
- Asphalt Removal (misc., includes saw cuts)
- A Detailed Traffic Control Plan shall be included with the Bid

All exported surplus subgrade shall be the responsibility of the contractor awarded the bid to dispose of, the Town of Frisco has no site available to take any of the material.

Prospective teams shall submit two (2) hard copies, which must be received by 2:00 PM February 7<sup>th</sup>, 2020 in order to be considered for this project. Proposals that omit any information or do not use the format requested may result in disqualification.

Nothing herein shall require the Town of Frisco to accept any proposal, and the Town of Frisco reserves the right to reject any or all proposals. The proposal shall remain open and not withdrawn for a period of 45 (forty-five) days from the date designated for its due date.

The Town requires that a certified or cashier's check be deposited or that a corporate surety bond in the amount of five percent (5%) of the total bid amount be provided before Town can accept or consider any bid. The bid and the deposit shall be filed with the Public Works Department, securely sealed and endorsed on the outside with a brief statement as to the nature of the item or work which is to be provided. Upon a bid award, such deposit or bond shall be returned to the unsuccessful bidder(s). In the case of the successful bidder, the deposit or bond will be returned upon receipt of the required payment and performance bonds, each in the full amount of the contract price.

# BID SCHEDULE - 2020 FRISCO ALLEYS

**Project: 2020 Frisco Alleys**

**Location: Frisco, CO**

**Subject: Alley Improvements, 2nd Ave. and Pine Drive B**

**Owner: Town of Frisco**

**Contractor:** \_\_\_\_\_

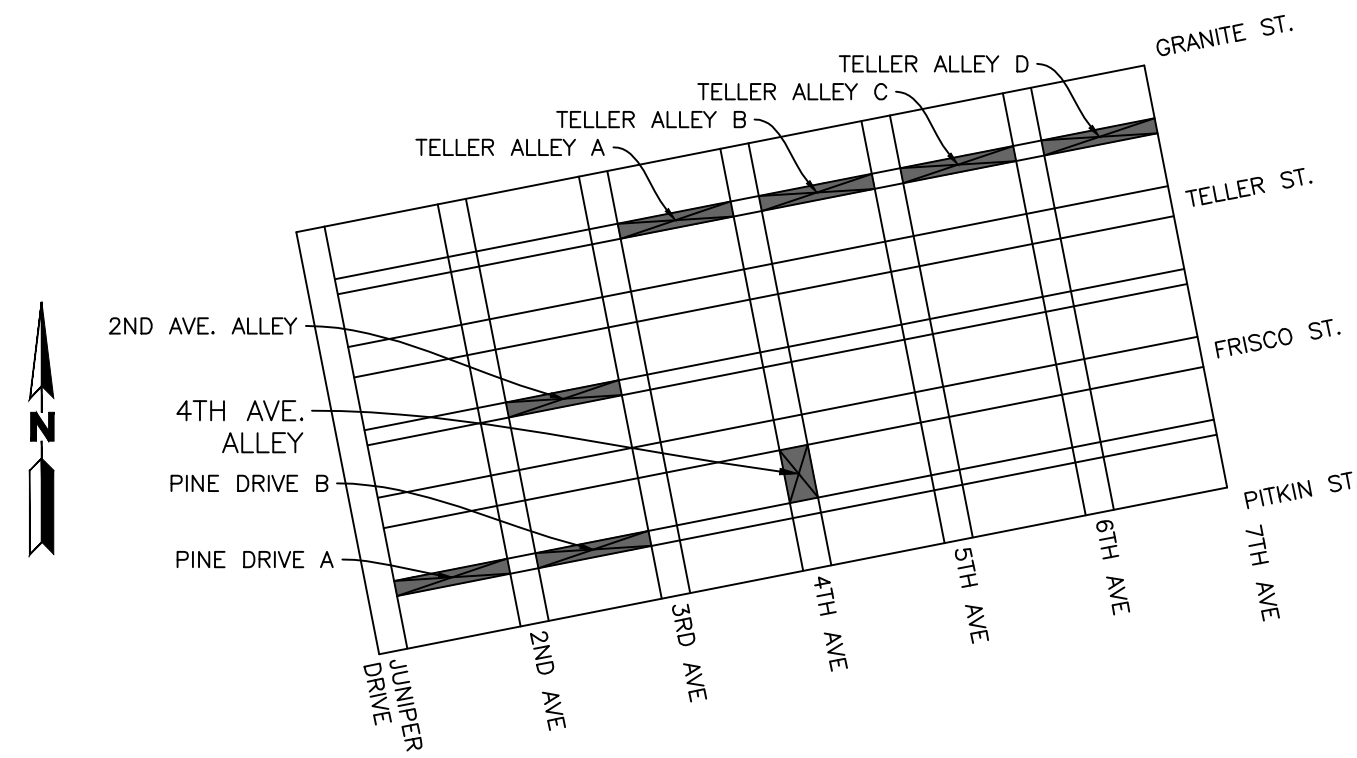
**Date:** \_\_\_\_\_

Schedule A - Base Bid Items					
Item No.	Item Description	Units	Quantity	Unit Price	Item cost
<b>2nd Avenue Alley</b>					
1	Export Surplus Subgrade	CY	230		
2	Asphalt 3" Depth	Ton	121		
3	Base CDOT Class 6	CY	100		
4	3' concrete Pan	LF	360		
5	Driveway Asphalt 3" depth	Ton	5		
6	Driveway Base CDOT Class 6, 4' depth	CY	5		
7	Scarification 12" depth Moisture Conditioned and Recompacted	SY	914		
8	Shouldering CDOT Class 6 , 6" depth	CY	90		
9	Asphalt removal misc., include saw cut	SY	26		
10	8' Concrete Pan	EA	1		
<b>Pine Drive B</b>					
11	Export Surplus Subgrade	CY	230		
12	Asphalt 3" Depth	Ton	131		
13	Base CDOT Class 6	CY	101		
14	3' concrete Pan	LF	331		
15	8' Concrete pan	EA	1		
16	Driveway Asphalt 3" depth	Ton	9		
17	Driveway Base CDOT Class 6, 4' depth	CY	6		
18	Scarification 12" depth Moisture Conditioned and Recompacted	SY	914		
19	Shouldering CDOT Class 6 , 6" depth	CY	92		
20	Asphalt removal misc., include saw cut	SY	21		
<b>GENERAL COSTS</b>					
21	Mobilization	LS	1		
22	Erosion Control	LS	1		
23	Traffic Control	LS	1		
24	Construction Survey	LS	1		
25	Pot Holing	LS	6 Hours		
Total Cost					



# TOWN OF FRISCO ALLEY IMPROVEMENTS

TELLER ST. ALLEY  
2ND ST. ALLEY  
PINE DRIVE  
4TH AVE. ALLEY



**PROJECT KEYMAP**  
SCALE: 1:500  
(APPROXIMATE STREET GRID)

Sheet List Table	
Sheet Number	Sheet Title
C01	COVER
C20	EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN
C21	EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN
C22	EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN
C24	EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN
C30	TELLER ALLEY A LAYOUT AND GRADING PLAN
C31	TELLER ALLEY B LAYOUT AND GRADING PLAN
C32	TELLER ALLEY C LAYOUT AND GRADING PLAN
C33	TELLER ALLEY D LAYOUT AND GRADING PLAN
C34	2ND AVE. ALLEY LAYOUT AND GRADING PLAN
C35	PINE DRIVE A LAYOUT AND GRADING PLAN
C36	PINE DRIVE B LAYOUT AND GRADING PLAN
C38	4TH AVE. ALLEY LAYOUT AND GRADING PLAN
C40	DETAILS
C41	EROSION CONTROL DETAILS

## MARTIN/MARTIN, INC. GENERAL NOTES:

IN ADDITION TO THE TOWN OF FRISCO STANDARD NOTES, THE FOLLOWING SHALL APPLY:

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF FRISCO STANDARDS AND SPECIFICATIONS TOWN OF FRISCO. ALL STREETS, WATER MAIN, STORM SEWER AND SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO THE TOWN OF FRISCO INSPECTION.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF PLANS APPROVED BY THE TOWN OF FRISCO AND ONE COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY THE ENGINEER, OWNER AND THE TOWN OF FRISCO [48]-HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE TOWN OF FRISCO ENGINEERING INSPECTOR [24]-HOURS PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING, BUT NOT LIMITED TO, SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK, TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL AND SECURITY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE TOWN OF FRISCO/OWNER/ENGINEER CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON OR NEAR THE CONSTRUCTION SITE.
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION [OSHA] SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION. THESE REGULATIONS ARE DESCRIBED IN SUBPART P, PART 1926 OF THE CODE OF FEDERAL REGULATIONS. SHEETING AND SHORING SHALL BE UTILIZED WHERE NECESSARY TO PREVENT ANY EXCESSIVE WIDENING OR SLOUGHING OF THE TRENCH WHICH MAY BE DETRIMENTAL TO HUMAN SAFETY, TO THE PIPE BEING PLACED, OR TO ANY EXISTING SITE IMPROVEMENTS OR STRUCTURES. THE CONTRACTOR MAY BE REQUIRED TO USE AN APPROVED PILING INSTEAD OF SHEETING AND SHORING.
- AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO TOWN OF FRISCO. THE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A CERTIFIED TRAFFIC CONTROL SUPERVISOR AND SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. NO WORK SHALL BEGIN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN PLACED IN ACCORDANCE WITH THE PLAN. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THE TRAFFIC CONTROL DEVICES FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL THE ROADWAY HAS BEEN OPENED AND THE PERMANENT TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED.
- ALL TRENCH BACKFILL AND SUBGRADE PREPARATION SHALL BE TESTED TO ENSURE COMPLIANCE WITH TOWN OF FRISCO STANDARDS AND SHALL BE TESTED AT TOWN OF FRISCO REQUIRED FREQUENCIES BY A TOWN OF FRISCO APPROVED PRIVATE SOILS TESTING FIRM. TEST RESULTS SHALL BE SUBMITTED TO, REVIEWED, AND APPROVED BY THE TOWN OF FRISCO ENGINEERING DIVISION PRIOR TO INSTALLING BASE COURSE, ASPHALT OR CONCRETE ON PREPARED SUBGRADE. ALL BASE COURSE DENSITY SHALL ALSO BE TESTED BY THE PRIVATE SOILS FIRM AT TOWN OF FRISCO REQUIRED FREQUENCIES TO ENSURE COMPLIANCE WITH TOWN OF FRISCO REQUIREMENTS. BASE COURSE TEST RESULTS SHALL ALSO BE APPROVED BY THE TOWN OF FRISCO ENGINEERING DIVISION PRIOR TO INSTALLING PAVEMENT. ALL CONCRETE AND ASPHALT PLACED SHALL BE TESTED IN ACCORDANCE WITH TOWN OF FRISCO MINIMUM MATERIALS TESTING STANDARDS. TEST RESULTS SHALL BE REVIEWED AND APPROVED BY THE TOWN OF FRISCO ENGINEERING DIVISION PRIOR TO INITIATION OF THE REQUIRED [2] YEAR WARRANTY PERIOD.
- CONTRACTOR SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL HEALTH AND SAFETY RULES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED. REPAIR OF DAMAGED UTILITIES SHALL BE AT THE CONTRACTORS EXPENSE, INCLUDING BUT NOT LIMITED TO UNKNOWN UNDERGROUND UTILITIES.
- EXISTING FENCES, TREES, SIDEWALKS, CURBS AND GUTTERS, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED OR RESTORED IN LIKE KIND AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING REASONABLE ACCESS TO AND FROM ALL OF THE ADJACENT PROPERTIES THROUGHOUT THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE REQUIRED TO MEET (INDIVIDUALLY OR COLLECTIVELY) WITH ALL ADJACENT PROPERTY OWNERS WHOSE DRIVEWAY ACCESS WILL BE AFFECTED BY THE WORK, AS CONSTRUCTION CONDITIONS CHANGE AND THE WORK PROGRESSES. THE CONTRACTOR SHALL BE REQUIRED TO PERIODICALLY UPDATE THOSE PROPERTY OWNERS SO THAT THEY ARE KEPT INFORMED ABOUT THEIR ACCESS.
- OWNER/DEVELOPER SHALL OBTAIN A STORMWATER CONSTRUCTION PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, PRIOR TO CLEARING, GRADING, OR EXCAVATING A SITE OF ONE-HALF ACRE OR MORE, OR LESS THAN ONE-HALF ACRE AND PART OF A LARGER DEVELOPMENT. A COPY OF THE APPROVED PERMIT MUST BE SUBMITTED TO THE TOWN OF FRISCO ENGINEERING DIVISION PRIOR TO THE START OF CLEARING, GRADING OR EXCAVATING OF THE SITE. A COPY OF THE APPROVED PERMIT MUST ALSO BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN A COLORADO STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT FOR ALL AREAS WHERE DEWATERING IS REQUIRED FROM AN EXCAVATION AND WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES. A COPY OF THE APPROVED PERMIT MUST BE SUBMITTED TO THE [LOCAL JURISDICTION] ENGINEERING DIVISION PRIOR TO THE START OF ANY DEWATERING. A COPY OF THE APPROVED PERMIT MUST ALSO BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STORM RUNOFF AND ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION OF ADJUTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. NO CONCRETE SHALL BE PLACED WHERE GROUNDWATER IS VISIBLE OR UNTIL THE GROUNDWATER TABLE HAS BEEN LOWERED BELOW THE PROPOSED IMPROVEMENTS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE CONTRACTOR, THE TOWN OF FRISCO, AND THE GEOTECHNICAL ENGINEER AT THE TIME OF OCCURRENCE.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ELEVATIONS OF ALL EXISTING SEWER MAINS, WATER MAINS, CURBS, GUTTERS AND OTHER UTILITIES AT THE POINT OF CONNECTION SHOWN ON THE PLANS, AND AT ANY UTILITY CROSSINGS PRIOR TO INSTALLING ANY OF THE NEW IMPROVEMENTS. IF A CONFLICT EXISTS AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.
- CONTRACTOR SHALL NOTIFY ALL BUSINESS/RESIDENTS IN WRITING 48 HOURS PRIOR TO ANY SHUT-OFF IN SERVICE. THE NOTICES MUST HAVE CONTRACTOR'S PHONE NUMBER AND NAME OF CONTACT PERSON, AND EMERGENCY PHONE NUMBER FOR AFTER HOURS CALLS. ALL SHUT OFFS MUST BE APPROVED BY THE TOWN OF FRISCO UTILITY DIVISION, AND TOWN OF FRISCO VALVES AND APPURTENANCES SHALL BE OPERATED BY TOWN OF FRISCO PERSONNEL, UNLESS WRITTEN PERMISSION IS GIVEN OTHERWISE.
- ALL PUBLIC IMPROVEMENT WORK, INCLUDING CORRECTION WORK, SHALL BE INSPECTED BY A [LOCAL JURISDICTION] REPRESENTATIVE WHO SHALL HAVE THE AUTHORITY TO HALT CONSTRUCTION PRACTICES ARE NOT BEING ADHERED TO. THE [LOCAL JURISDICTION] RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS ENGINEERING CODE OF STANDARDS AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR BEING AWARE OF, NOTIFYING, COORDINATING AND SCHEDULING ALL INSPECTIONS REQUIRED FOR FINAL APPROVALS AND PROJECT ACCEPTANCE.
- THE CONTRACTOR SHALL NOT OPERATE ANY CONSTRUCTION VEHICLES NOR PERFORM ANY CONSTRUCTION OPERATIONS BEFORE 7 AM OR AFTER 6 PM MONDAY THROUGH FRIDAY OR BEFORE 8 AM AND AFTER 5 PM ON SATURDAYS. NO WORK WILL BE ALLOWED ON SUNDAYS OR HOLIDAYS. THE TOWN OF FRISCO RESERVES THE RIGHT TO FURTHER RESTRICT OR MODIFY THESE HOURS OF OPERATION IF CONDITIONS WARRANT.
- COMPACTION OF ALL TRENCHES MUST BE ATTAINED AND COMPACTION TEST RESULTS SUBMITTED TO THE ENGINEER AND THE TOWN OF FRISCO PRIOR TO FINAL ACCEPTANCE.

- THE CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF 2-YEARS FROM THE DATE OF ACCEPTANCE INTO THE WARRANTY PERIOD OF ALL CONSTRUCTION CALLED FOR BY THE PUBLIC IMPROVEMENTS AGREEMENT WITH THE TOWN OF FRISCO.
- DURING CONSTRUCTION AND UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION.
- A GEOTECHNICAL SITE EVALUATION HAS NOT BEEN CONDUCTED AS PART OF THE DESIGN OF THIS PROJECT. THE CONTRACTOR SHALL VERIFY THE IN SITU SOIL CONDITIONS ARE SUITABLE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUBSTANDARD SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
- THE TOWN STANDARD ALLEY PAVEMENT DESIGN IS 3" ASPHALT ON 4" SEE SHEET C40 FOR PAVEMENT DETAILS.
- THE OWNER/DEVELOPER AND/OR THEIR ASSIGNS IS HEREBY NOTIFIED THAT IT IS TYPICAL AND LIKELY THAT SOME MOVEMENT OF THE SURFACE GRADES WILL OCCUR OVER TIME DUE TO VARIOUS FACTORS THAT ARE NOT IN CONTROL OF THE DESIGNERS. THUS, A ROUTINE AND DILIGENT MAINTENANCE PROGRAM IS REQUIRED TO MAINTAIN THE PROPER GRADING AND DRAINAGE THROUGHOUT THE PROJECT.
- THE FOLLOWING LIMITED SCOPE OF RESPONSIBILITY NOTE MUST BE LOCATED, OR REFERENCED TO A GENERAL NOTE, ADJACENT TO THE P.E. SEAL PER 5.1.5 OF THE COLORADO BYLAWS AND RULES.

## ROADWAY NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF FRISCO ENGINEERING STANDARDS, MATERIAL SPECIFICATIONS, AND DRAWINGS (LATEST REVISION). ALL STREETS, AND STORM SEWER CONSTRUCTION SHALL BE APPROVED AND INSPECTED BY TOWN OF FRISCO.
- WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE TOWN OF FRISCO BEFORE AND AFTER ANY CUTS ARE MADE. PATCHING SHALL BE DONE IN CONFORMANCE WITH THE CURRENT STREET REPAIR REQUIREMENTS OF THE TOWN OF FRISCO. ALL PATCHES SHALL BLEND SMOOTHLY INTO THE EXISTING SURFACE.
- PATCH ASPHALT PAVING AS NECESSARY TO JOIN NEW GUTTERS WITH THE EXISTING PAVEMENT. REMOVAL AND REPLACEMENT OF ASPHALT SHALL BE PER THE LATEST STANDARDS AND DETAILS FOR TOWN OF FRISCO ENGINEERING.
- ALL RANGE POINTS, TIES, BENCHMARKS, OR OTHER SURVEY CONTROL POINTS, WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION, MUST BE PRESERVED.
- IMPROVEMENTS MADE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A LICENSED AND BONDED RIGHT-OF-WAY CONTRACTOR.
- PAVING SHALL NOT START UNTIL A GEOTECHNICAL REPORT AND PAVEMENT DESIGN HAVE BEEN APPROVED BY THE TOWN OF FRISCO'S ENGINEERING DIVISION AND SUBGRADE COMPACTION TEST AND PROOF ROLLING HAVE BEEN PERFORMED AND THE RESULTS HAVE MET WITH THE APPROVAL OF THE TOWN OF FRISCO.
- PORTLAND CEMENT SHALL BE TYPE II CONFORMING TO ALL REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT ASTM C-150, UNLESS NOTED OTHERWISE.
- CONCRETE JOINTS SHALL BE INSTALLED PER TOWN OF FRISCO STANDARDS AND SPECIFICATIONS.
- ALL WORK SHALL BE PROPERLY BACKFILLED PRIOR TO THE END OF WORKDAY. NO OPEN HOLES ARE ALLOWED OVERNIGHT. ALL WORK IS TO BE IN ACCORDANCE WITH PERMIT REQUIREMENTS AND APPLICABLE STANDARDS.
- NO CLEARED OR TRACKED EQUIPMENT MAY WORK IN OR MOVE OVER PAVED SURFACES WITHOUT MATS.
- MATERIAL REMOVED FROM ANY PORTION OF AN EXISTING ROADWAY PRISM MUST BE REPLACED IN LIKE KIND WITH EQUAL OR BETTER COMPACTION. NO SEGREGATION OF MATERIAL WILL BE PERMITTED.
- PRIOR TO FINAL ACCEPTANCE, ALL DISTURBED PORTIONS OF ROADWAY RIGHT OF WAY SHALL BE CLEANED UP AND RESTORED TO THEIR ORIGINAL CONDITION, SUBJECT TO TOWN OF FRISCO APPROVAL.

## EROSION CONTROL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION TO PREVENT DAMAGING FLOWS ON THE SITE AND IN THE WATERSHED BELOW THE SITE. CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES. REFER TO SEDIMENT AND EROSION CONTROL PLANS AND STORM WATER MANAGEMENT PLAN. CONDITIONS IN THE FIELD MAY WARRANT EROSION CONTROL MEASURES IN ADDITION TO WHAT IS SHOWN ON THESE PLANS. THE PLAN MAY BE MODIFIED WITH APPROPRIATE APPROVALS AS FIELD CONDITIONS WARRANT.
- NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION AND FOR THE SHORTEST PRACTICAL PERIOD OF TIME.
- TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE REVEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSION ELEMENTS.
- AT ALL TIMES, THE PROPERTY SHALL BE MAINTAINED AND/OR WATERED TO PREVENT WIND-CAUSED EROSION. EARTHWORK OPERATIONS SHALL BE DISCONTINUED WHEN FUGITIVE DUST SIGNIFICANTLY IMPACTS ADJACENT PROPERTY. IF EARTHWORK IS COMPLETE OR DISCONTINUED AND DUST FROM THE SITE CONTINUES TO CREATE PROBLEMS, THE CONTRACTOR SHALL IMMEDIATELY INSTITUTE MITIGATIVE MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.
- PERMANENT OR TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 30 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. UNLESS SPECIFIED OTHERWISE, TEMPORARY VEGETATION SHALL BE INSTALLED ON ALL DISTURBED AREAS WHERE PERMANENT SURFACE IMPROVEMENTS ARE NOT SCHEDULED FOR INSTALLATION WITHIN THREE MONTHS. TEMPORARY VEGETATION SHALL BE A VIGOROUS, DROUGHT TOLERANT, NATIVE SPECIES MIX. PROJECT SCHEDULING SHOULD TAKE ADVANTAGE OF SPRING OR FALL PLANTING SEASONS FOR NATURAL GERMINATION, BUT SEEDS AREAS SHALL BE IRRIGATED, IF CONDITIONS MERIT.
- TEMPORARY FENCES SHALL BE INSTALLED ALONG ALL BOUNDARIES OF THE CONSTRUCTION LIMITS OR PROPERTY LINES AS SHOWN ON THE APPROVED EROSION CONTROL PLAN. TO PREVENT GRADING ON PROPERTY NOT OWNED BY THE OWNER/DEVELOPER. IN ADDITION, THE TOWN OF FRISCO MAY REQUIRE ADDITIONAL TEMPORARY FENCES IF FIELD CONDITIONS WARRANT.
- THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION, EXCAVATION, TRENCHING, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, ROADWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
- THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN INADVERTENTLY DISCHARGED TO, OR ACCUMULATED IN, THE FLOWLINES AND PUBLIC RIGHT-OF-WAY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT.
- THE GRADING CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC ROADWAYS.
- APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" (BMP) SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL BMPs WEEKLY AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR, AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE BMP.
- WATER USED IN THE CLEANING OF CEMENT TRUCK DELIVERY CHUTES SHALL BE DISCHARGED INTO A PREDEFINED, BERMED CONTAINMENT AREA ON THE JOB SITE. THE REQUIRED CONTAINMENT AREA IS TO BE BERMED SO THAT WASH WATER IS TOTALLY CONTAINED. WASH WATER DISCHARGED INTO THE CONTAINMENT AREA SHALL BE ALLOWED TO INFILTRATE OR EVAPORATE. DRIED CEMENT WASTE SHALL BE REMOVED FROM THE CONTAINMENT AREA AND PROPERLY DISPOSED OF. SHOULD A PREDEFINED BERMED CONTAINMENT AREA NOT BE AVAILABLE DUE TO THE PROJECT SIZE, OR LACK OF AN AREA WITH A SUITABLE GROUND SURFACE FOR ESTABLISHING A CONTAINMENT AREA, PROPER DISPOSAL OF READY MIX WASHOUT AND RINSE OFF WATER AT THE JOB SITE SHALL CONFORM TO THE APPROVED TECHNIQUES AND PRACTICES IDENTIFIED IN THE COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT'S TRAINING VIDEO ENTITLED "BUILDING FOR A CLEANER ENVIRONMENT, READY MIX WASHOUT TRAINING", AND ITS ACCOMPANYING MANUAL ENTITLED, "READY MIX WASHOUT GUIDEBOOK, VEHICLE AND EQUIPMENT WASHOUT AT CONSTRUCTION SITES." THE DIRECT OR INDIRECT DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED. INFORMATION ABOUT OR COPIES OF THE VIDEO AND TRAINING MANUAL ARE AVAILABLE FROM THE WATER QUALITY CONTROL DIVISION, COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, 4300 CHERRY CREEK DRIVE SOUTH, DENVER, COLORADO 80222-1530, 303-692-3555
- THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER SYSTEM IS PROHIBITED.
- PAVED SURFACES WHICH ARE ADJACENT TO CONSTRUCTION SITES SHALL BE SWEEPED IN A TIMELY MANNER WHEN SEDIMENT AND OTHER MATERIALS ARE TRACKED OR DISCHARGED ON TO THEM, EITHER SWEEPING BY HAND OR USE OF STREET SWEEPERS IS ACCEPTABLE. STREET SWEEPERS USING WATER WHILE SWEEPING IS PREFERRED IN ORDER TO MINIMIZE DUST. FLUSHING OFF PAVED SURFACES WITH WATER IS PROHIBITED.

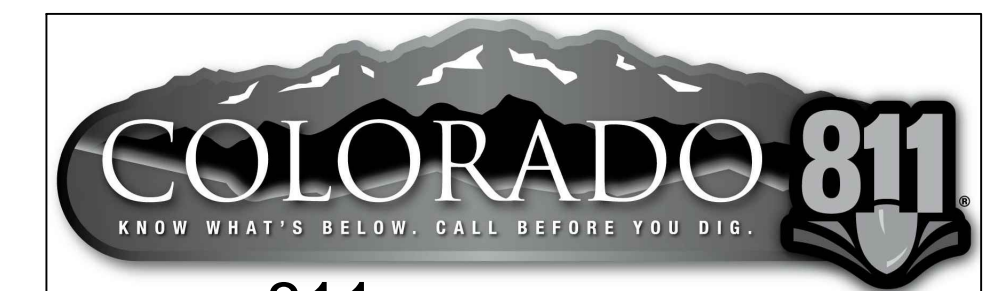
EXISTING LEGEND		PROPOSED LEGEND	
	CABLE TV PEDESTAL		SEWER MANHOLE
	ELECTRIC PEDESTAL		SEWER CLEANOUT
	ELECTRIC TRANSFORMER		SIGN
	FIRE HYDRANT		TELEPHONE PEDESTAL
	GATE VALVE		WATER VALVE
	LIGHT POLE		WATER SHUT-OFF VALVE
	UNKNOWN UTILITY PEDESTAL		UTILITY POLE
	EDGE OF ASPHALT		EDGE OF CONCRETE
	EDGE OF CONCRETE		FLOWLINE OF DRAINAGE DITCH
	FLOWLINE OF DRAINAGE DITCH		FLOWLINE OF PAN
	FLOWLINE OF PAN		EDGE OF UNPAVED/GRAVEL ROAD OR DRIVE
	EDGE OF UNPAVED/GRAVEL ROAD OR DRIVE		EDGE OF LANDSCAPING/GARDEN AREA
	EDGE OF LANDSCAPING/GARDEN AREA		FENCE LINE
	FENCE LINE		LARGE BOULDER/BOULDER RETAINING WALL
	DECIDUOUS TREE WITH APPROXIMATE TRUNK DIAMETER		EDGE OF ASPHALT
	EVERGREEN TREE WITH APPROXIMATE TRUNK DIAMETER		EDGE OF CONCRETE
	LANDSCAPE/PLANTER AREA		FLOWLINE OF DRAINAGE DITCH
	EXISTING ASPHALT AREA		FLOWLINE OF PAN
	EXISTING GRAVEL AREA		EDGE OF UNPAVED/GRAVEL ROAD OR DRIVE

## BASIS OF BEARINGS:

N 78°53'E BETWEEN THE FOUND #5 REBAR MONUMENTS SET IN MONUMENT BOXES ALONG THE CENTER OF MAIN STREET. TIES TO CDOT CONTROL MONUMENTS AT SUMMIT BOULEVARD, CM-MP 95.84 AND CM-MP 96.14

## BENCHMARK:

PROJECT BENCHMARK: USGS ALUMINUM DISK MONUMENT SET VERTICALLY INTO THE SOUTHWEST FACE OF A LARGE BOULDER, LOCATED NEAR NORTH EDGE OF BIKE PATH SOUTH OF LOT 8, ROYAL MOUNTAIN RANCH PUD.#2, ELEVATION 9095.47'



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

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FRISCO ALLEY IMPROVEMENTS

No. Issue / Revision

Job Number 14.0783

Project Manager JCM

Design By REJ

Drawn By REJ

Principal In Charge LML

PERMISSION FROM MARTIN/MARTIN, INC.

Sheet Number:

C01

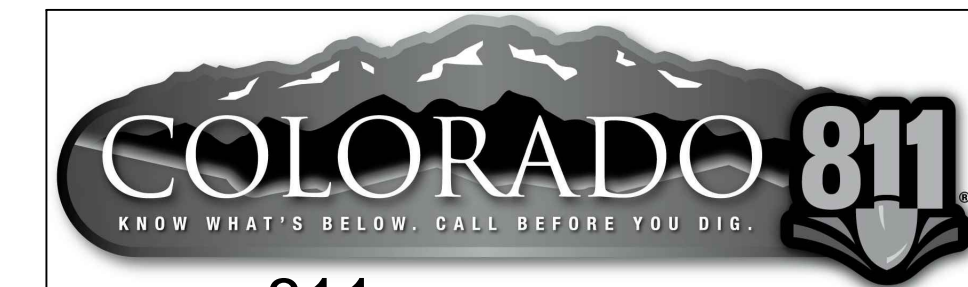
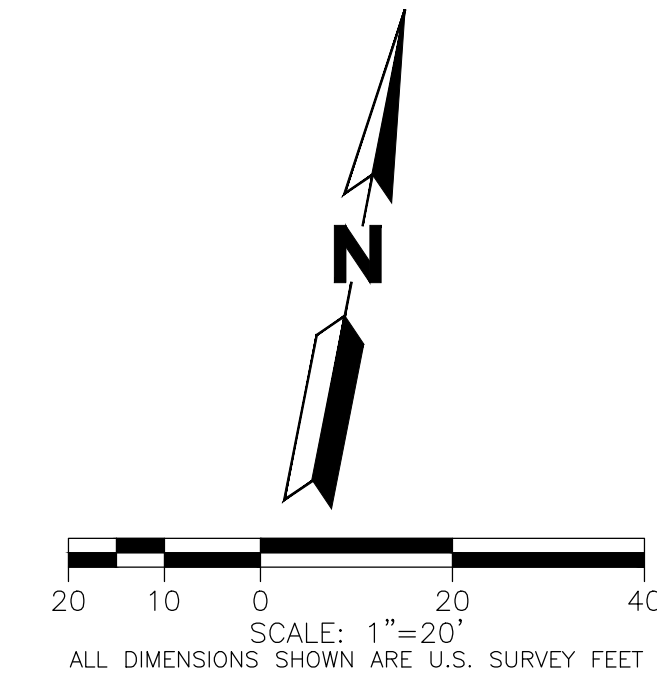
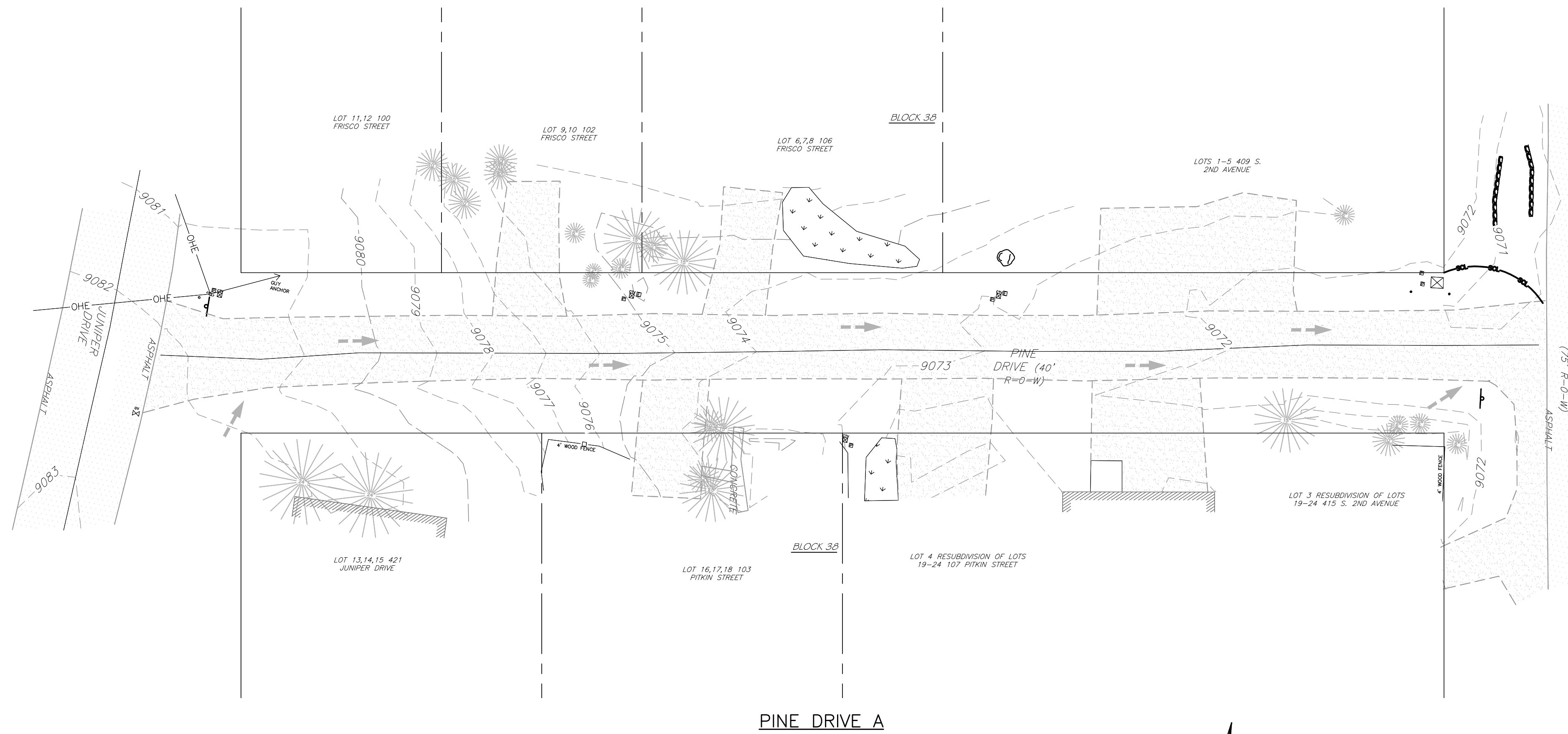
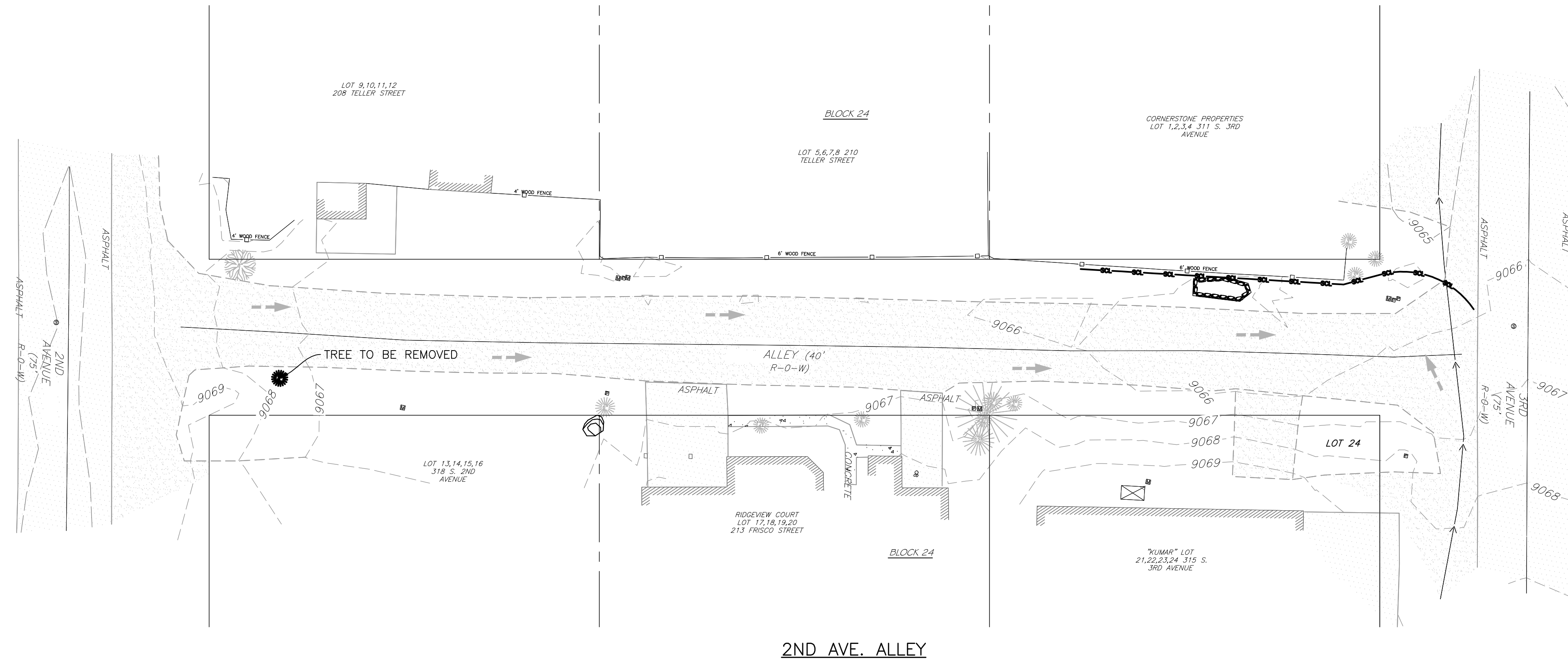
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**NOTES:**

1. SEE SHEET C20 FOR EROSION CONTROL NOTES AND GENERAL NOTES



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**FRISCO ALLEY IMPROVEMENTS**  
 EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN

No.	Issue / Revision	Date	Name

Job Number	14.0783
Project Manager	JCM
Design By	REJ
Drawn By	REJ
Principal In Charge	LML

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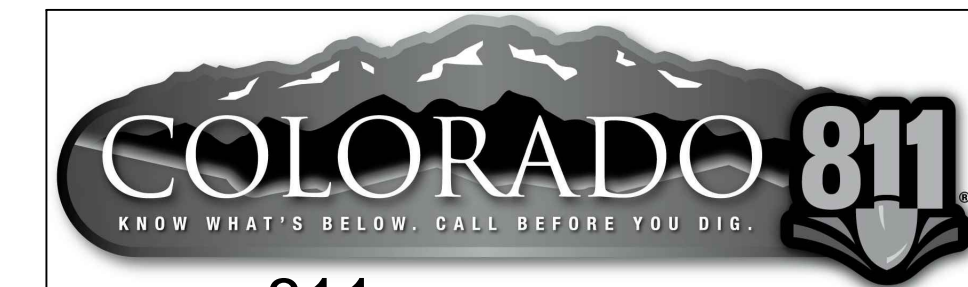
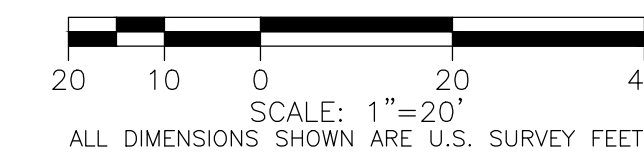
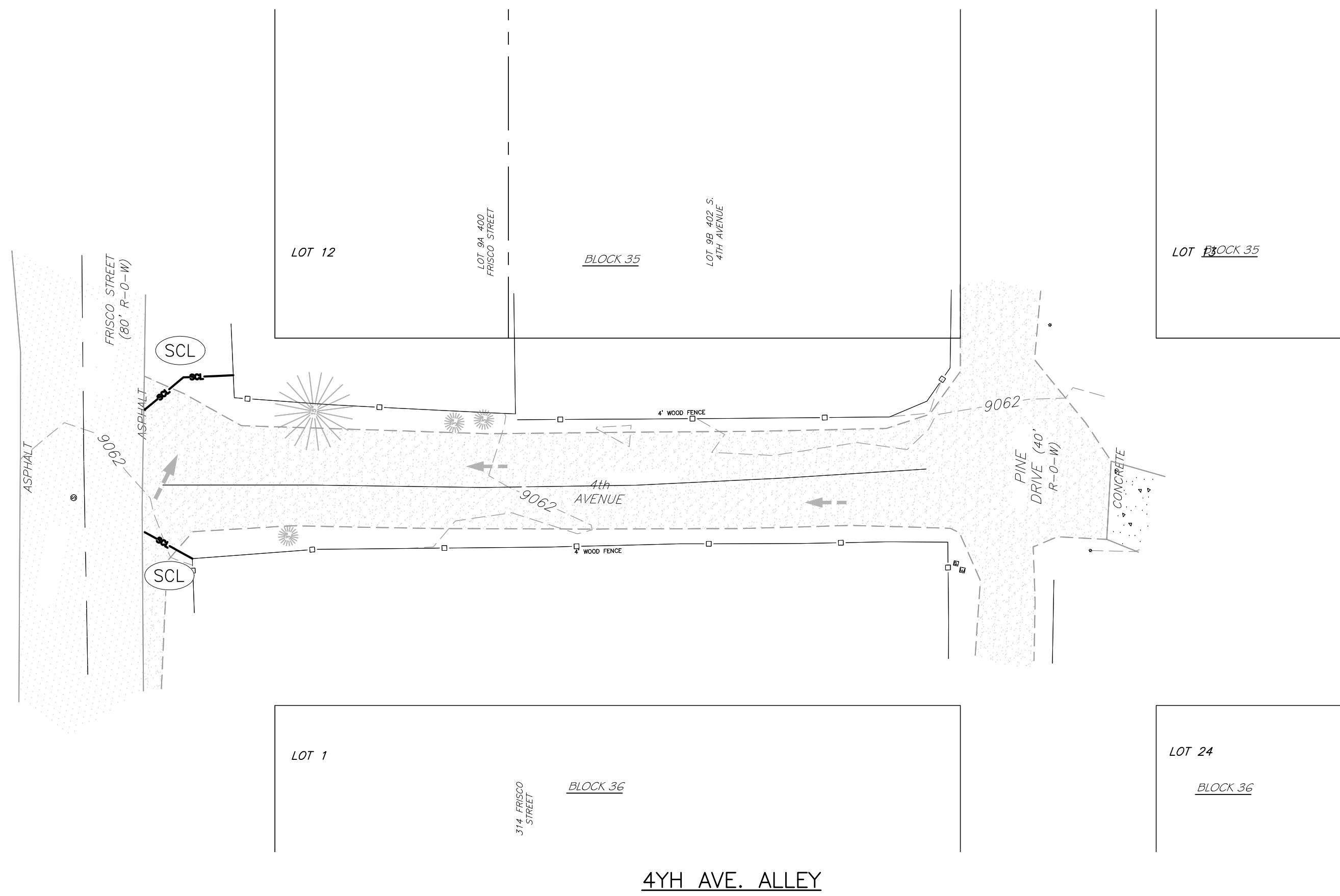
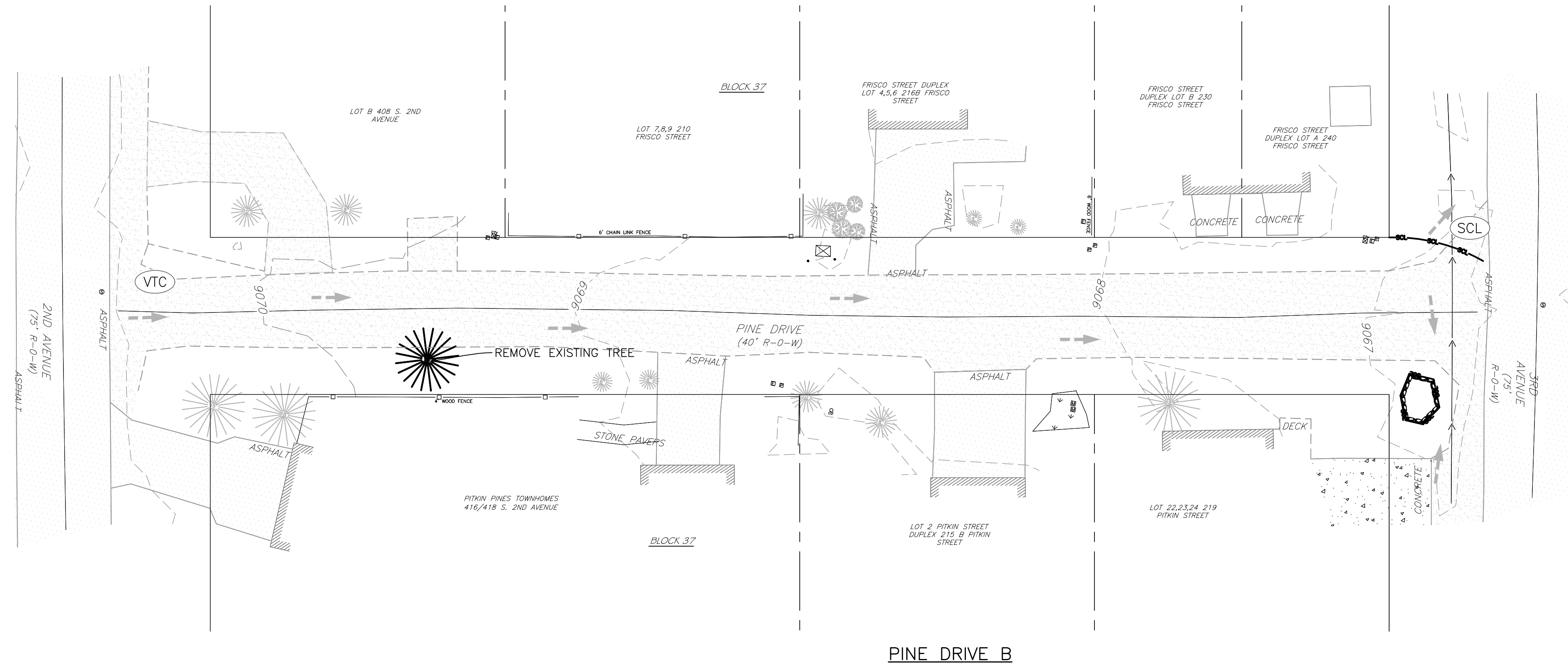
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**NOTES:**

- SEE SHEET C20 FOR EROSION CONTROL NOTES AND GENERAL NOTES



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**FRISCO ALLEY IMPROVEMENTS**  
 EXISTING CONDITIONS, DEMOLITION, AND EROS. CONTROL PLAN

No.	Issue / Revision	Date	Name

Job Number	14.0783
Project Manager	JCM
Design By	REJ
Drawn By	REJ
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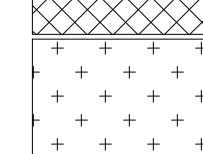


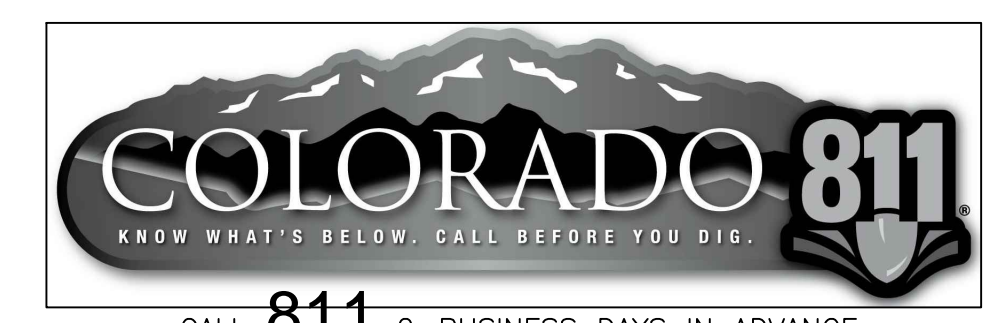
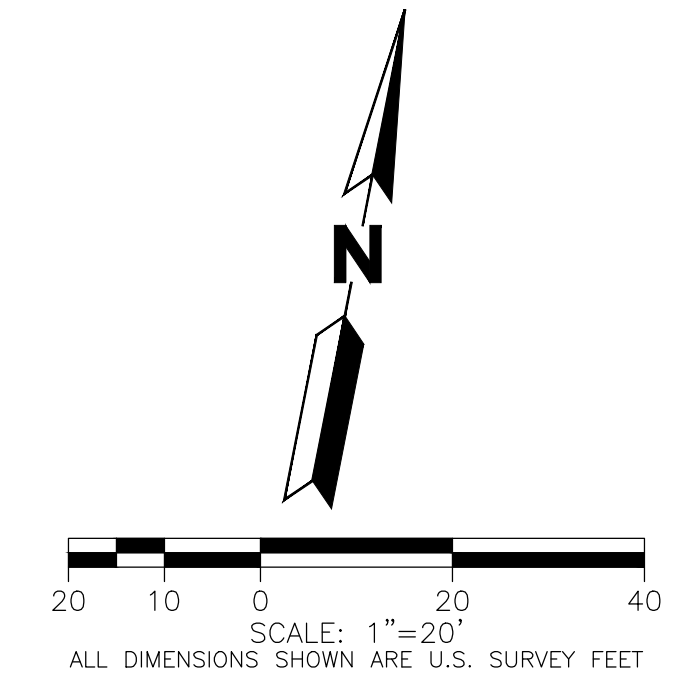
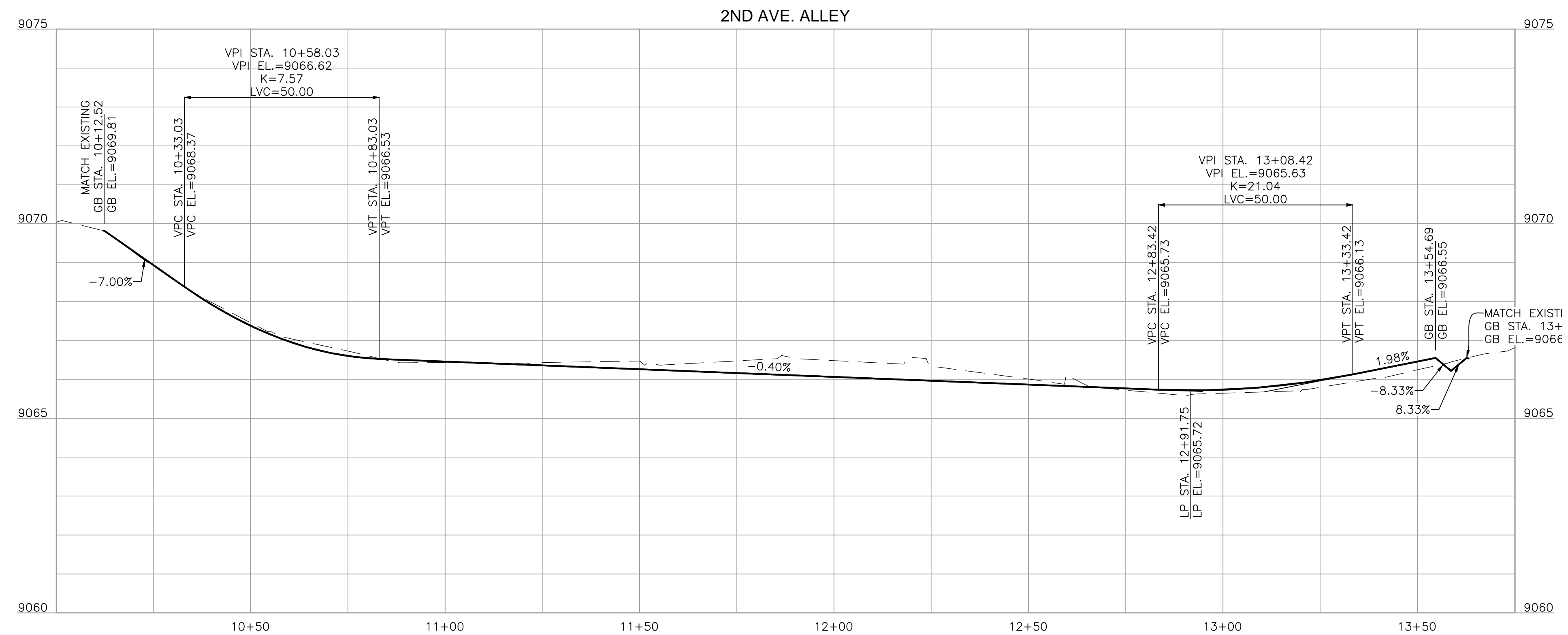
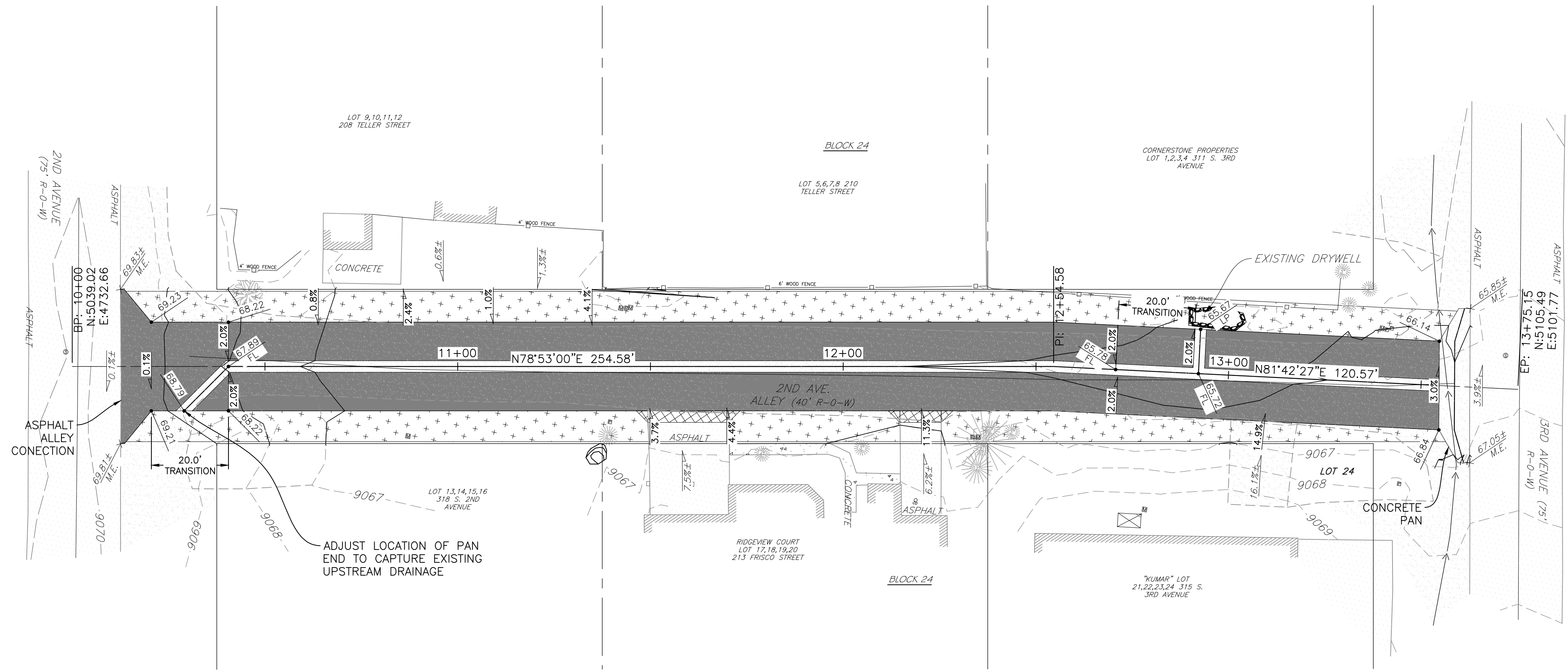
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**SHEET NOTES:**  
 1. SEE SHEET C40 FOR ALLEY TYPICAL SECTION

**ALLEY NOTES:**  
 1. SCARIFICATION AND COMPACTION OF SOIL IS REQUIRED BENEATH ALL ASPHALT PAVED AREA AND CONCRETE PAVED AREA  
 2. ALLEY DETAILS SEE SHEET C40  
 3. SEE SHEET C40 FOR CONCRETE PAN DETAILS AND DIMENSIONS

**PAVING LEGEND:**

-  ALLEY PAVING: 3.0" HOT-MIX ASPHALT ON 4.0" CDOT CLASS 6 BASE COURSE
-  DRIVEWAY CONNECTION ALLEY PAVING: 3.0" HOT-MIX ASPHALT ON 4.0" CDOT CLASS 6 BASE COURSE
-  GRAVEL SHOULDER: 6.0" CDOT CLASS 6 BASE COURSE ON COMPACTED SUBGRADE.



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 12499 WEST COLFAX AVENUE, LAKEWOOD, COLORADO 80215  
 303.431.6100 MARTINMARTIN.COM

**FRISCO ALLEY IMPROVEMENTS**  
 2ND AVE. ALLEY LAYOUT AND GRADING PLAN

No.	Issue / Revision	Date	Name

Job Number 14.0783  
 Project Manager JCM  
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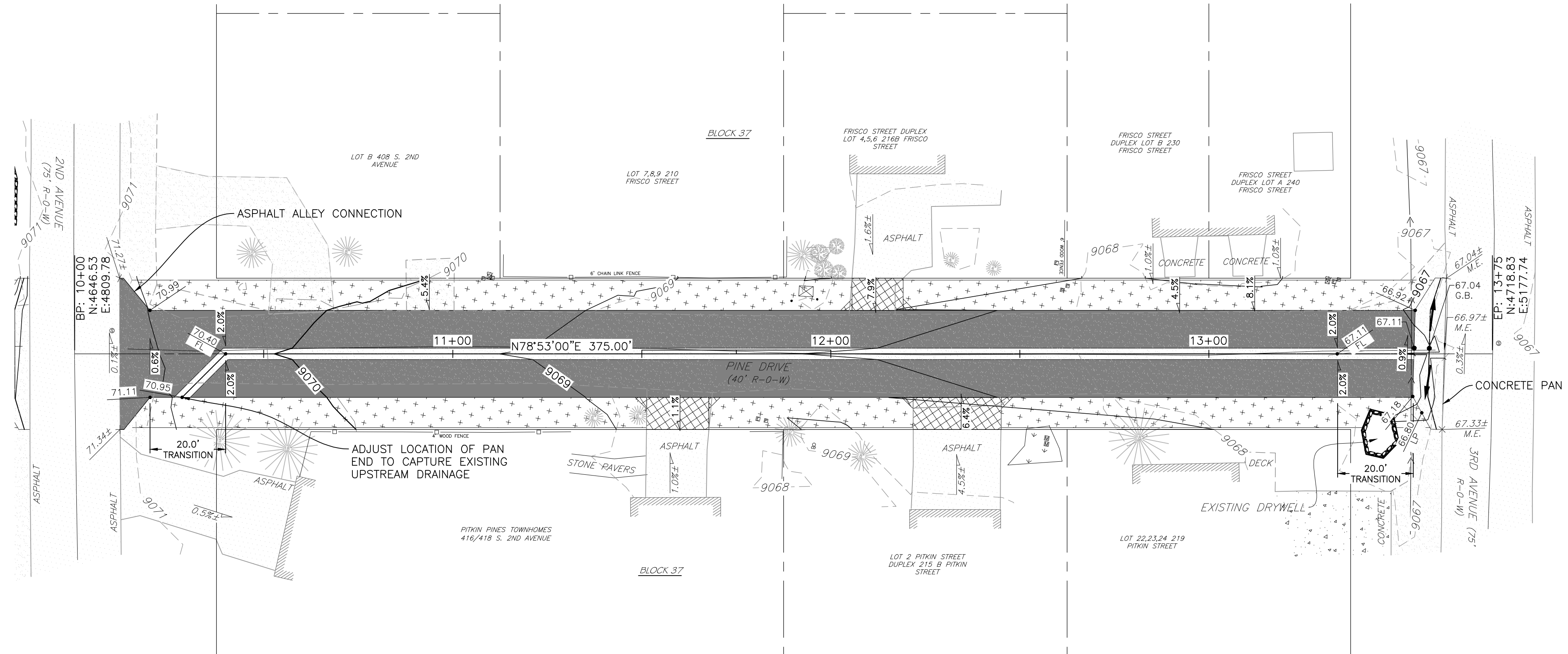


**SHEET NOTES:**

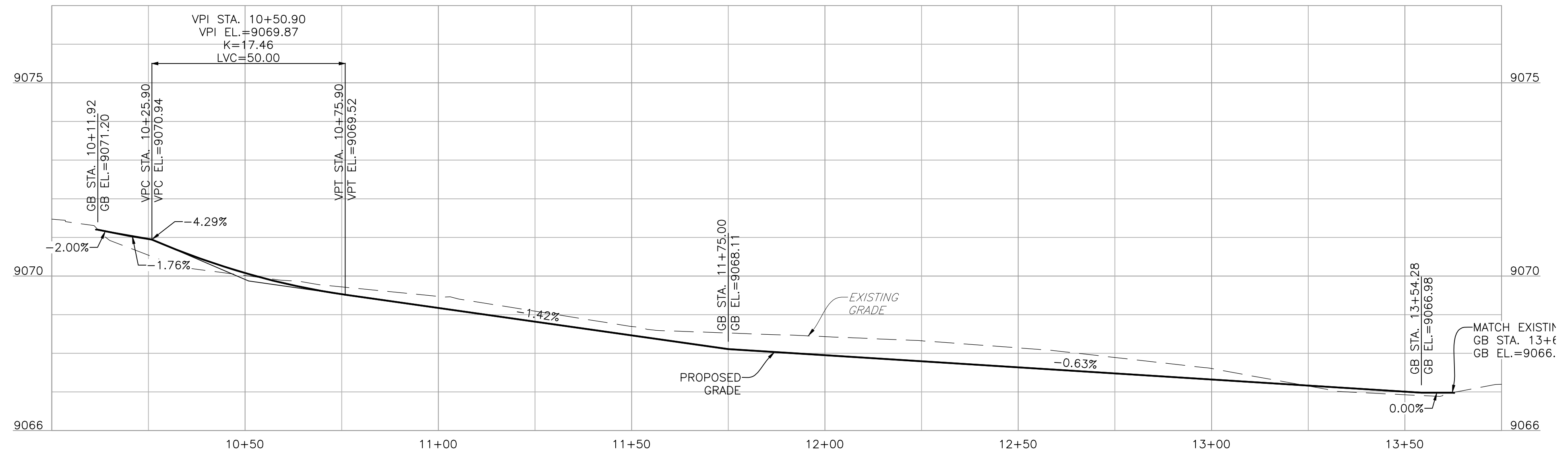
- SEE SHEET C40 FOR ALLEY TYPICAL SECTION

**ALLEY NOTES:**

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- ALLEY DETAILS SEE SHEET C40
- SEE SHEET C40 FOR CONCRETE PAN DETAILS AND DIMENSIONS

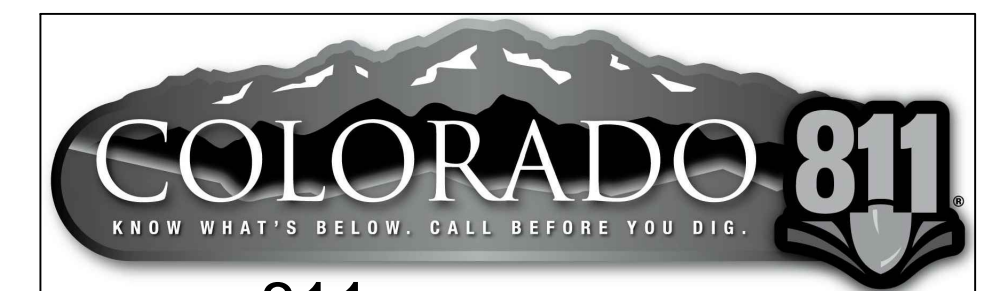
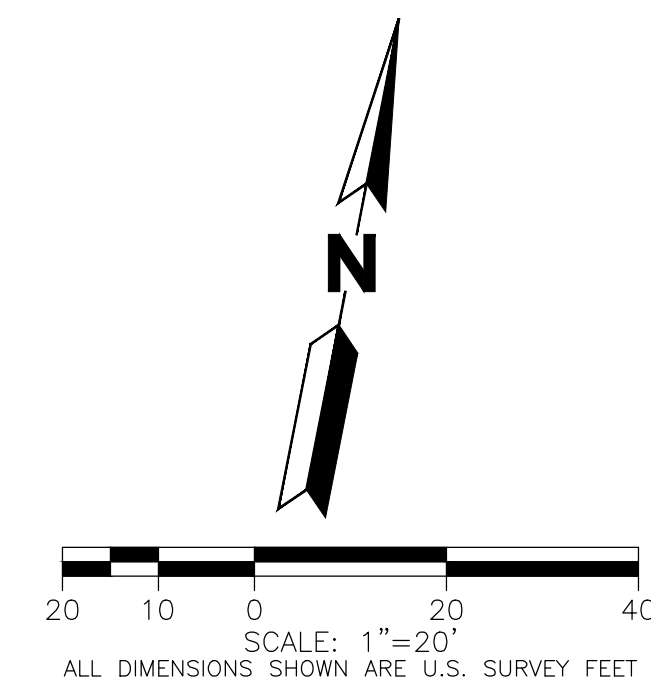


**PINE DRIVE B**



**PAVING LEGEND:**

- ALLEY PAVING: 3.0" HOT-MIX ASPHALT ON 4.0" CDOT CLASS 6 BASE COURSE
- DRIVEWAY CONNECTION ALLEY PAVING: 3.0" HOT-MIX ASPHALT ON 4.0" CDOT CLASS 6 BASE COURSE
- GRAVEL SHOULDER: 6.0" CDOT CLASS 6 BASE COURSE ON COMPACTED SUBGRADE.



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No.	Issue / Revision	Date	Name

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Project Manager	JCM
Design By	REJ
Drawn By	REJ
Principal In Charge	LML

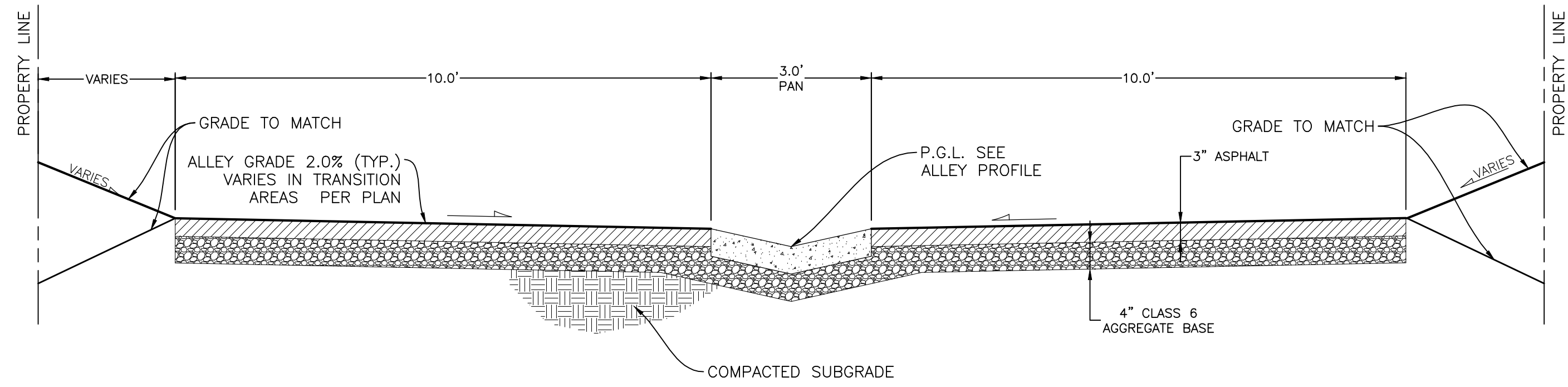
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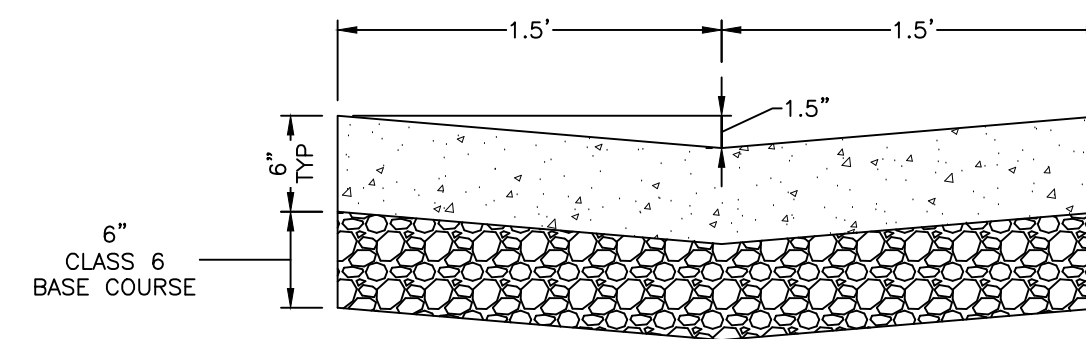
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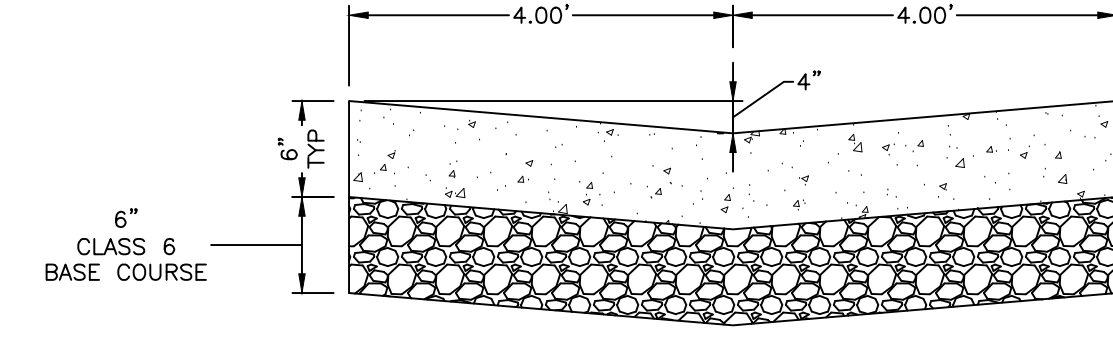
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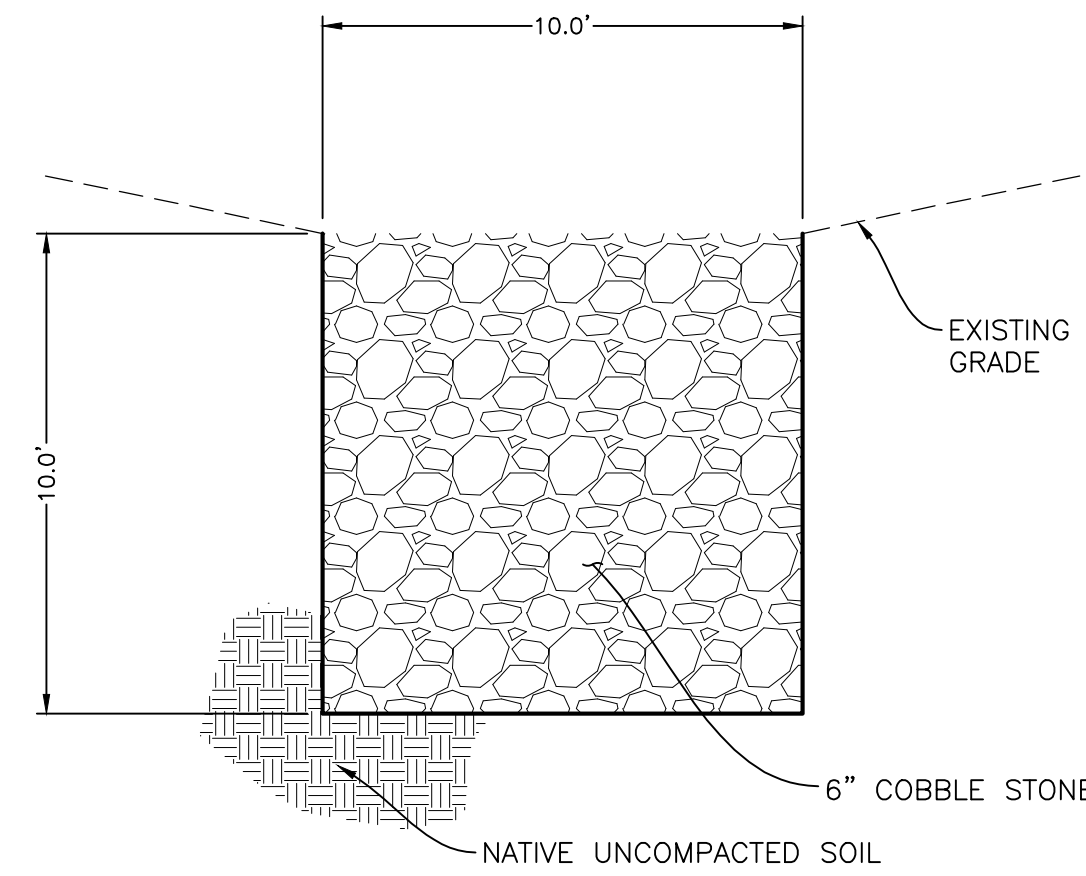
TYPICAL ALLEY SECTION  
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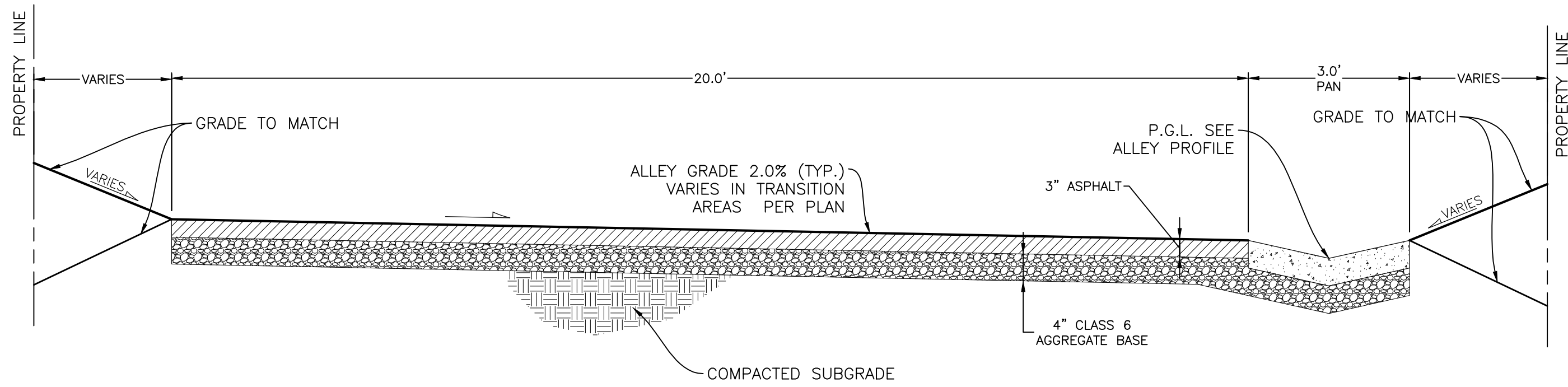
NOTE:  
SAWCUT OR TOOLED JOINT AT 10' O.C.  
3' CONCRETE PAN



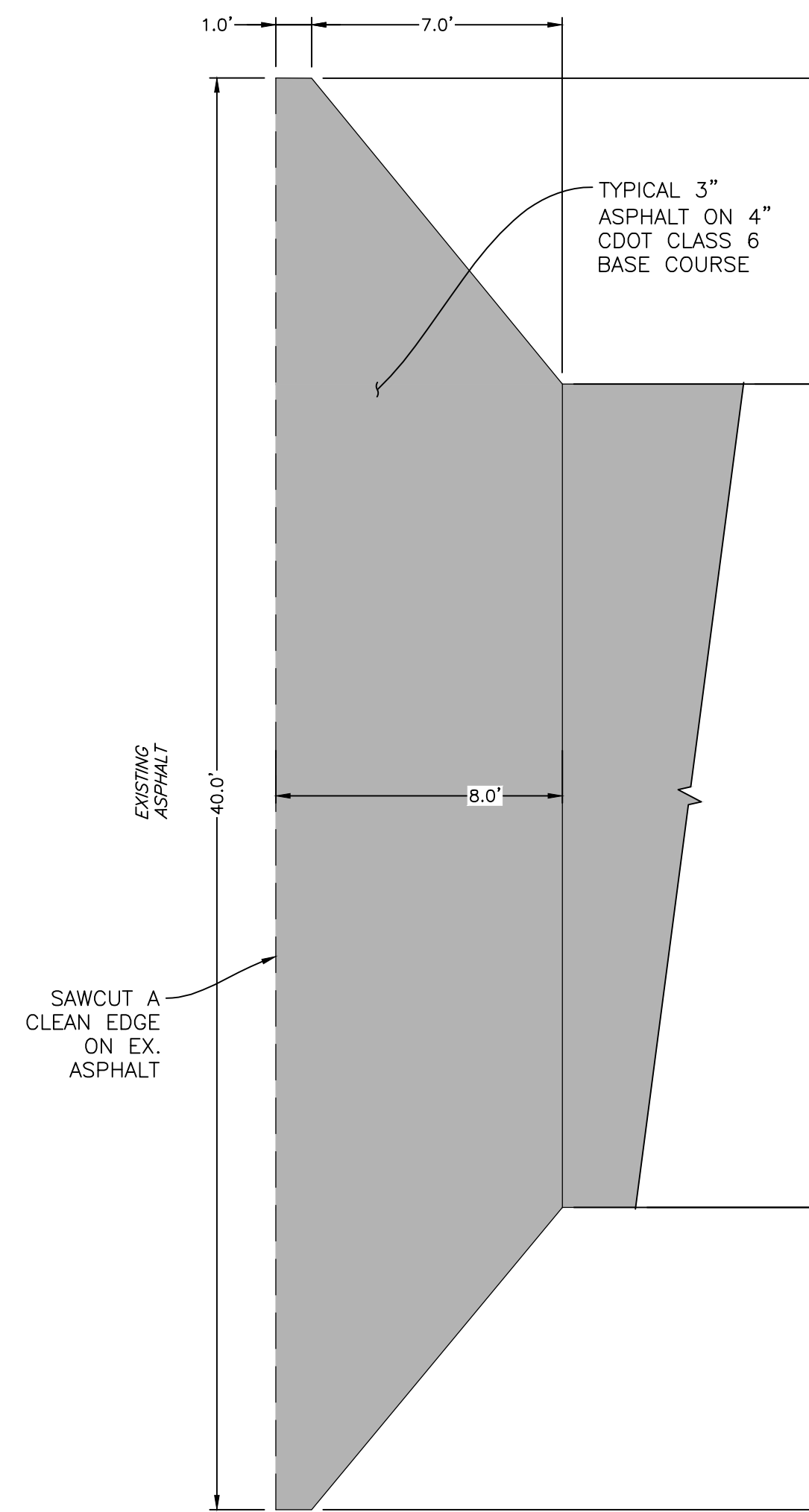
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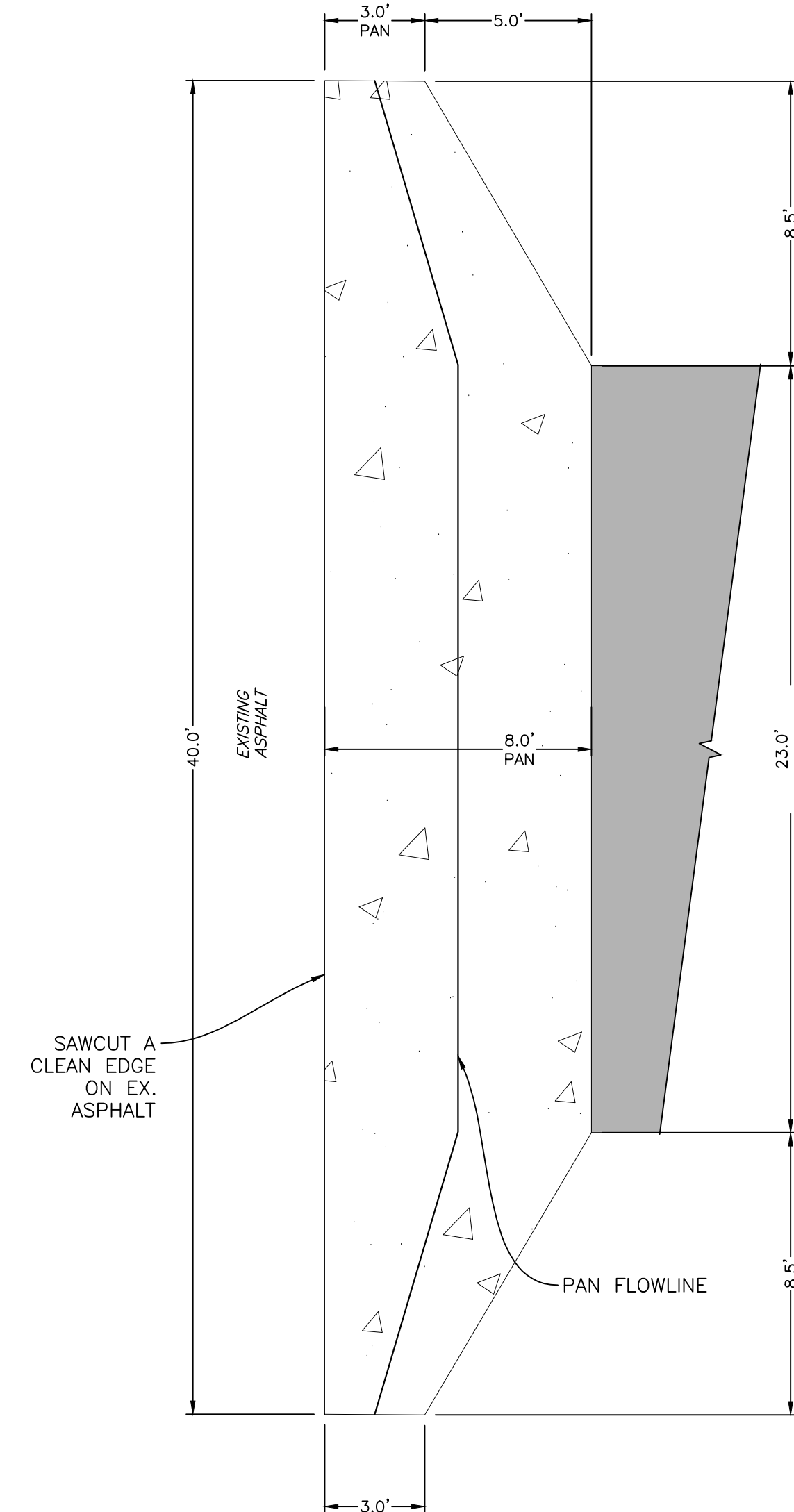
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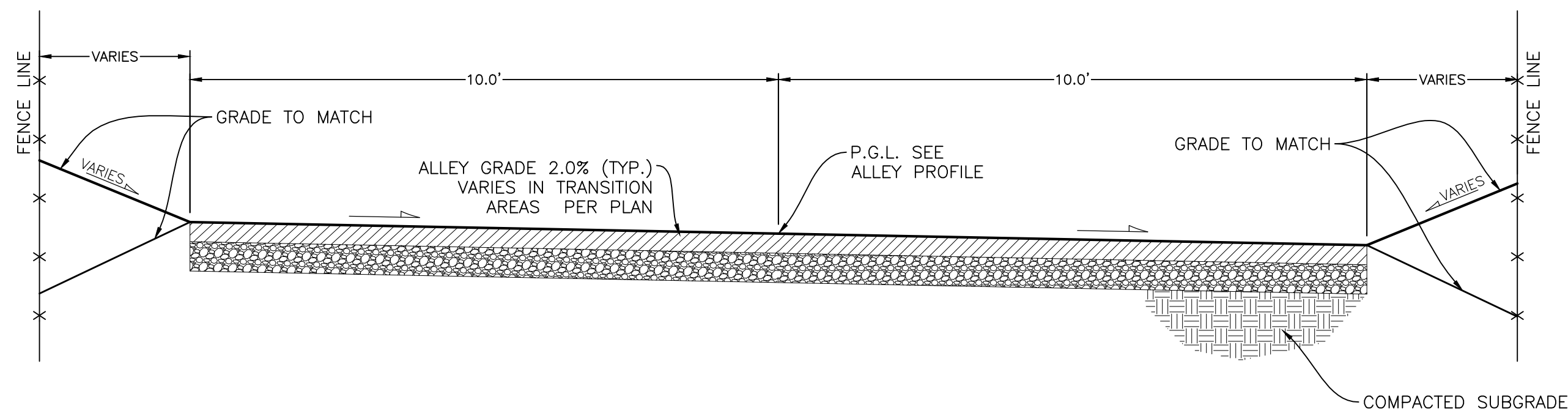
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SECTION  
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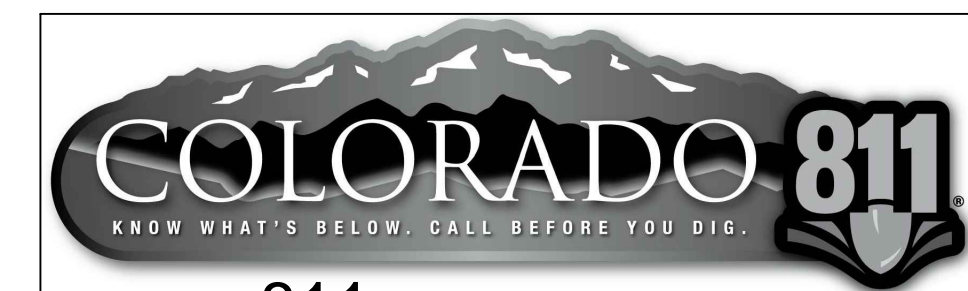
TYPICAL ALLEY CONNECTION  
TO EXISTING ASPHALT IN  
ADJACENT STREET  
NTS



TYPICAL CONCRETE PAN/APRON  
DIMENSIONS  
NTS



4TH AVE. ALLEY SECTION  
NTS



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No.	Issue / Revision	Date	Name

Job Number	14.0783
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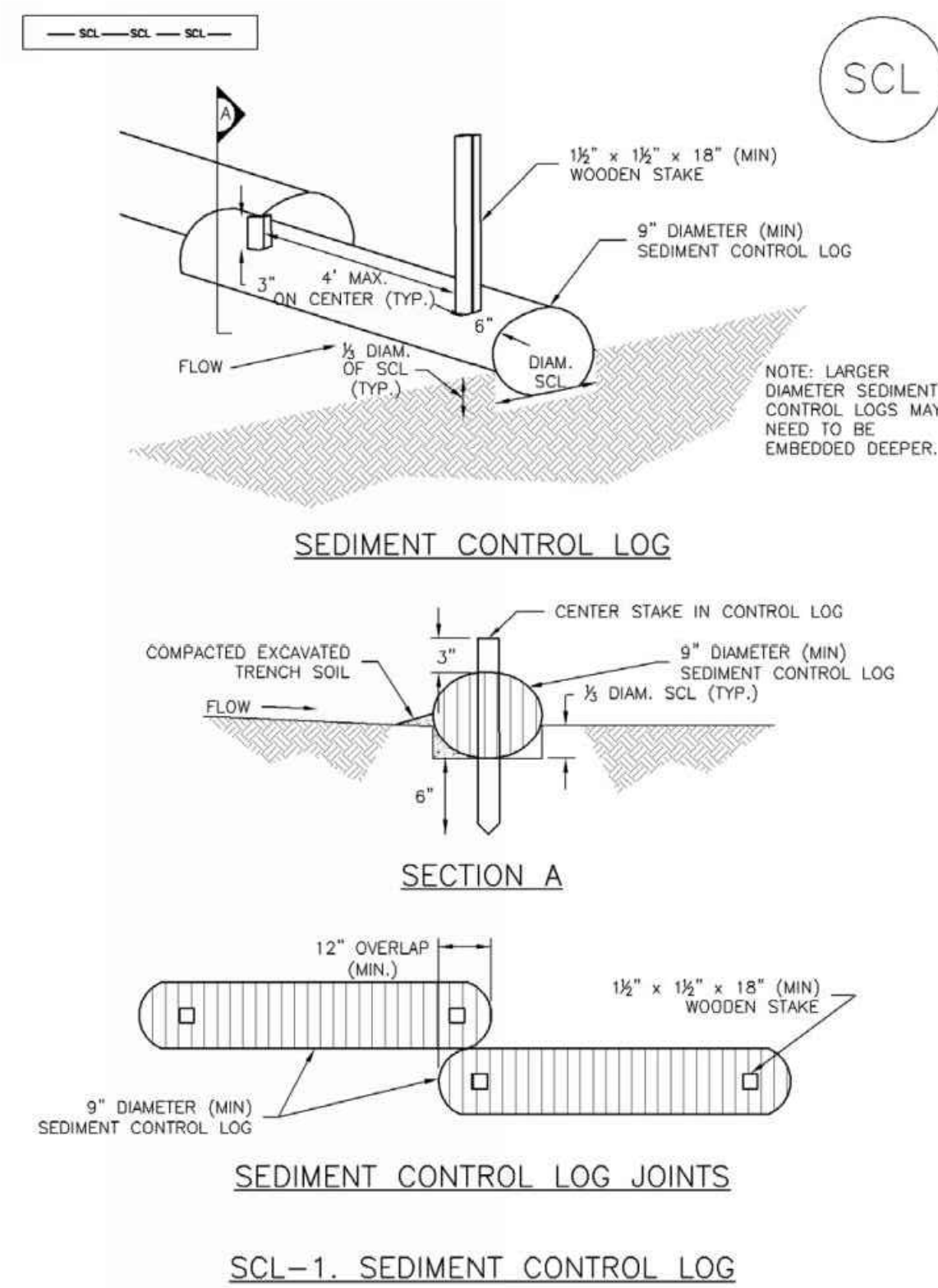
Sheet Number:

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**Sediment Control Log (SCL)**

**SC-2**



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

**Sediment Control Log (SCL)**

**SC-2**

**SEDIMENT CONTROL LOG INSTALLATION NOTES**

- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
- SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE/GRADING/DEMOLITION/CONSTRUCTION ACTIVITIES.
- SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS OR HIGH VELOCITY DRAINAGE WAYS.
- IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/2 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING.
- THE UPSTREAM SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER.
- FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED.

**SEDIMENT CONTROL LOG MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
- SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

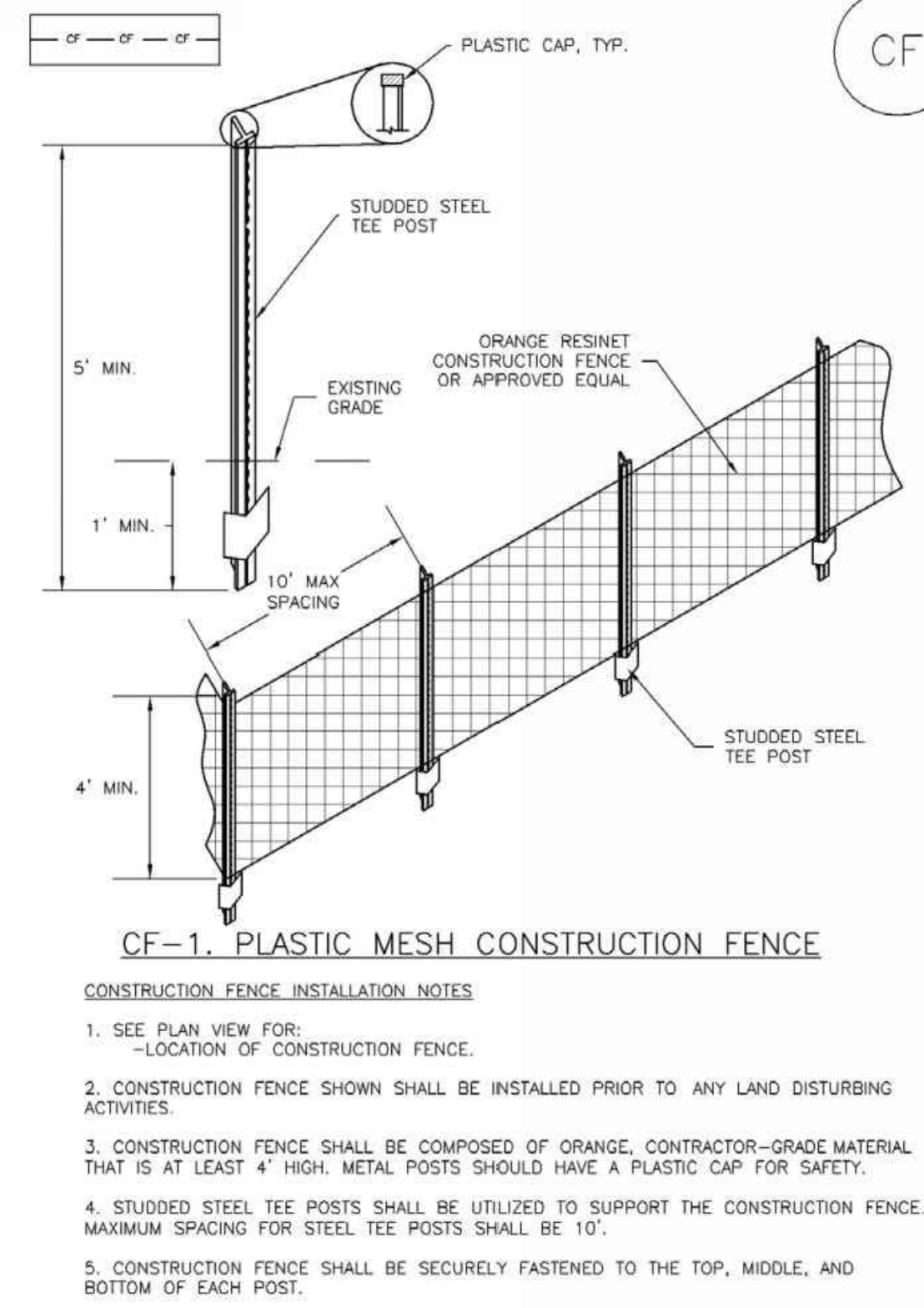
(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

**NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

**SM-3**

**Construction Fence (CF)**



CF-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**Construction Fence (CF)**

**SM-3**

**CONSTRUCTION FENCE MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

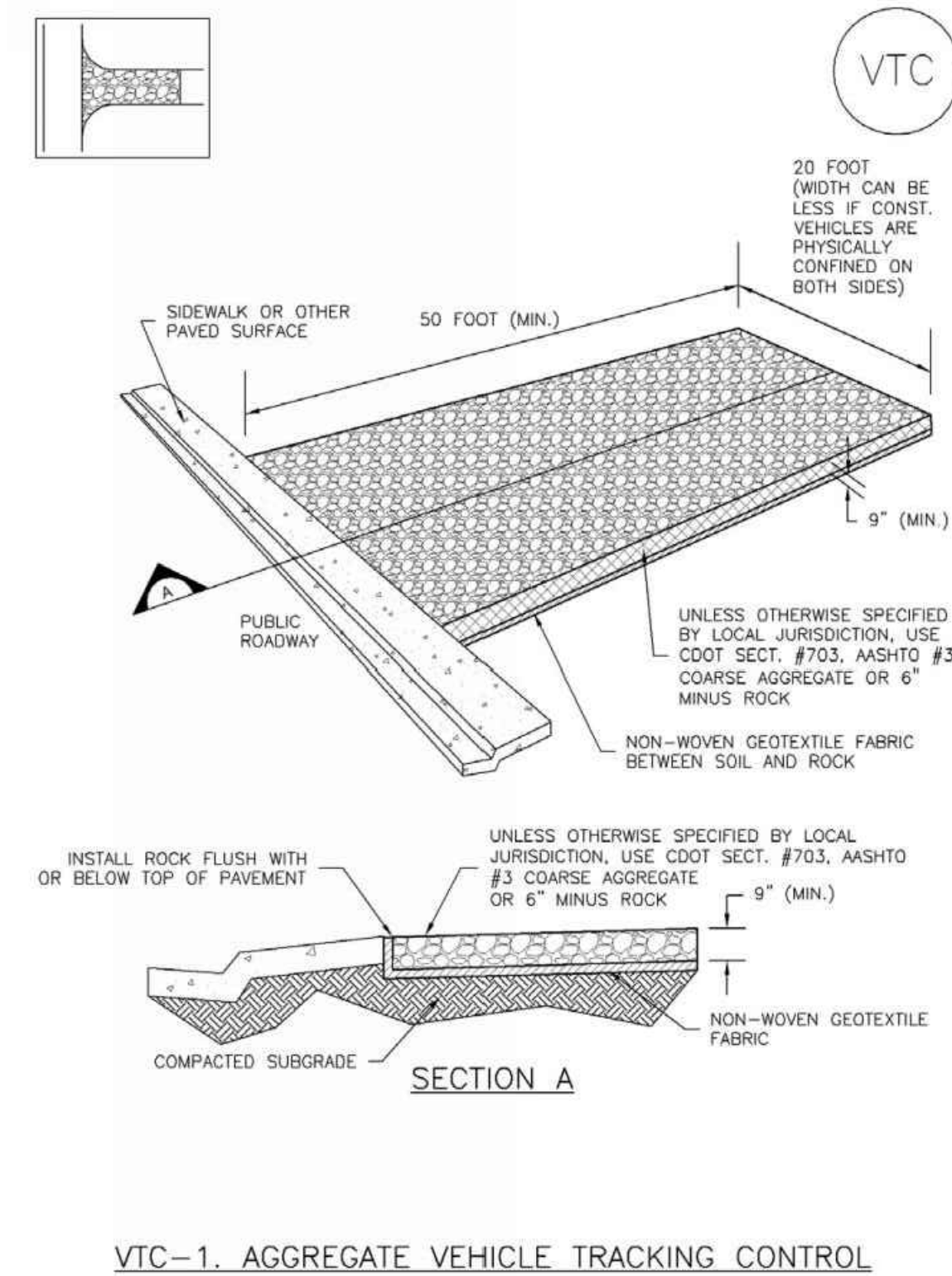
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(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CF-3

**Vehicle Tracking Control (VTC)**

**SM-4**



VTC-3 November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

**SM-4**

**Vehicle Tracking Control (VTC)**

**STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES**

- SEE PLAN VIEW FOR -LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S). -TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
- CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
- A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

**STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
- SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

**NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

VTC-6 November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

PLOT DATE: Monday, January 26, 2015 10:48 AM LAST SAVED BY: RYANU DRAWING LOCATION: H:\14-0882-TOWN OF FRISCO ALLEYS\PLANS\CONSTRUCTION DOCUMENTS\DETAILS.dwg

No.	Issue / Revision	Date	Name

Job Number	14.0783
Project Manager	JCM
Design By	REJ
Drawn By	REJ
Principal In Charge	LWL

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Sheet Number:



## Addendum #1

Due to the 2<sup>nd</sup> Ave. and Belford Street Pathway Project Constructed in 2019 the existing conditions on the west end of both alleys do not match the plans provided, attached are the areas from the pathway construction.

2ND AVE ALLEY

STA.=6+01.21  
OFFSET=-29.76L  
ELEV=70.16

STA.=5+78.21  
OFFSET=-29.71L  
ELEV=70.09

STA.=6+43  
OFFSET=-  
ELEV=68.4

9070

9068

9070

9069

2.0%

7.3%

2.0%

(T.P.)  
2.0%

69.02±

68.15±

66.97±  
66.91

67.00±

66.93±

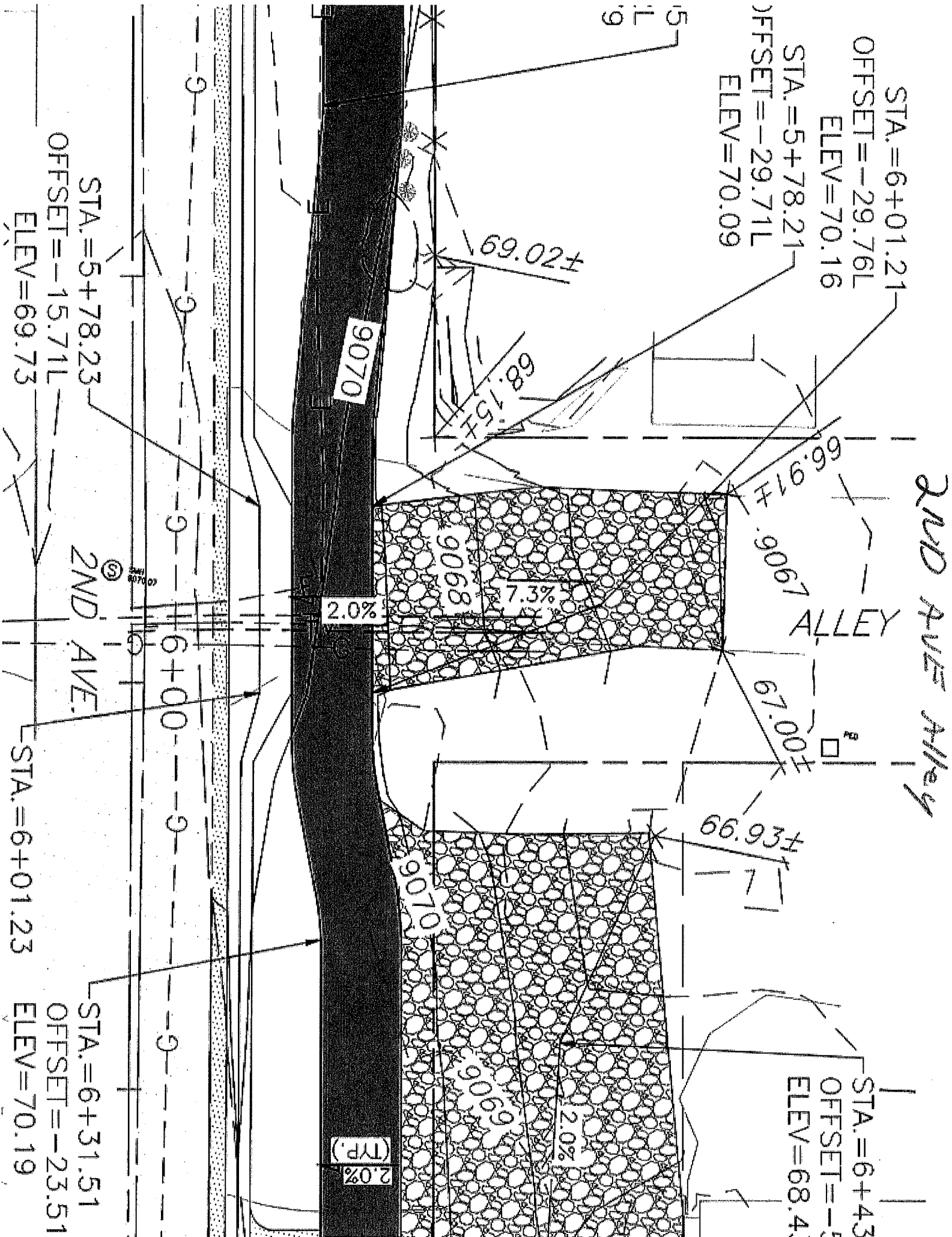
15  
19

STA.=5+78.23  
OFFSET=-15.71L  
ELEV=69.73

2ND AVE

STA.=6+01.23

STA.=6+31.51  
OFFSET=-23.51  
ELEV=70.19





( PINE DRIVE B )

