

DATE: 2/25/16 TIME: 8:05:28 AM DRAWING NAME: 01CCT1S01.DWG PLOTTED BY: MOWINSKEL
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FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER ALLEYWAY REHABILITATION PROJECT

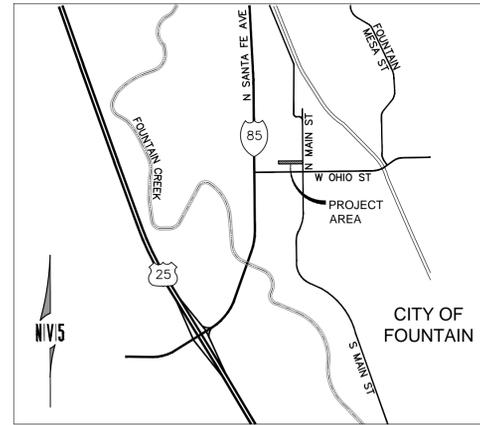
GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL MEET THE STANDARDS & SPECIFICATIONS OF THE CITY OF FOUNTAIN PUBLIC UTILITY DESIGN AND CONSTRUCTION SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THESE APPROVED PLANS AND ONE (1) COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
 - COLORADO SPRINGS ENGINEERING DIVISION STANDARD SPECIFICATIONS
 - CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CITY OF FOUNTAIN PUBLIC UTILITY DESIGN AND CONSTRUCTION SPECIFICATIONS FOR WATER DISTRIBUTION SYSTEM
- ALL ELEVATIONS ARE AT FLOW LINE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
- PROPOSED CONTOURS SHOWN ARE FINISHED TO GRADE.
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING STRUCTURES, DEBRIS, WASTE AND OTHER UNSUITABLE FILL MATERIAL FOUND WITHIN THE LIMITS OF EXCAVATION.
- MATCH INTO EXISTING GRADES AT 3:1 MAX CUT AND FILL SLOPES UNLESS OTHERWISE NOTED.
- THE EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE THE RESPONSIBILITY OF THE CITY TO MONITOR AND REPLACE, REGRADE, AND REBUILD AS NECESSARY UNTIL VEGETATION IS REESTABLISHED.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT ADJACENT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED BY SITE CONDITIONS.
- THE CONTRACTOR WILL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE MATERIAL SHALL BE COMPACTED PER CITY OF FOUNTAIN AND CDOT STANDARDS AND SPECIFICATIONS.
- ALL FINISHED GRADES SHALL HAVE A MINIMUM 0.5% SLOPE TO PROVIDE POSITIVE DRAINAGE.
- WHERE PROPOSED SLOPES CONFLICT WITH SPOT ELEVATIONS, SPOT ELEVATIONS SHALL GOVERN.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH CITY OF FOUNTAIN AND ALL UTILITIES INVOLVED IN THE PROJECT PRIOR TO MOBILIZING ON SITE.
- CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF APPROVED 404 PERMIT (IF APPLICABLE). CONTRACTOR SHALL HAVE COPIES OF ALL REQUIRED PERMITS AT JOB SITE AT ALL TIMES.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO AT 811.
- THE CITY OF FOUNTAIN SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO START OF WORK.
- NO WORK SHALL COMMENCE UNTIL THE INSTALLING CONTRACTOR HAS AN APPROVED SET OF PLANS FROM THE CITY AND CURRENT SPECIFICATIONS IN THEIR POSSESSION. THE CITY'S APPROVAL WILL BE FOR GENERAL CONFORMITY TO THE PLANS AND WILL NOT CONSTITUTE BLANKET APPROVAL OF ALL DIMENSIONS, QUANTITIES AND DETAILS OF THE MATERIAL OR EQUIPMENT SHOWN. NOR SHALL SUCH APPROVAL RELIEVE THE CONTRACTOR OR CONSULTING ENGINEER OF THIS RESPONSIBILITY FOR ERRORS CONTAINED IN THE DRAWINGS.
- CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL EXISTING CONDITIONS AND SHALL NOTIFY ENGINEER IF CONDITION IS NOT AS SHOWN AND ALL CONFLICTS SHALL BE RESOLVED PRIOR TO START OF CONSTRUCTION.
- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE LATEST VERSION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE CONTRACTOR IS DIRECTED TO PAY PARTICULAR ATTENTION TO THE SECTION OF CONSTRUCTION ZONE TRAFFIC.
- THE WORK SHALL BE SURVEYED AND STAKED UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR IN ACCORDANCE WITH THE APPROVED PLANS. ANY ITEM THAT IS INCONSISTENT WITH THE APPROVED PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE PLACED OR STORED IN THE STREET, ALLEY OR OTHER PUBLIC RIGHT OF WAY, UNLESS IN ACCORDANCE WITH THE CITY OF FOUNTAIN CURRENT ORDINANCES. ADDITIONAL BMPs MAY BE REQUIRED BY THE CITY IF DEEMED NECESSARY, BASED ON SPECIFIC CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS OFF-SITE SHALL BE MINIMIZED. LOCATION OF VTC SHALL BE APPROVED BY THE CITY ENGINEER.
- ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS.

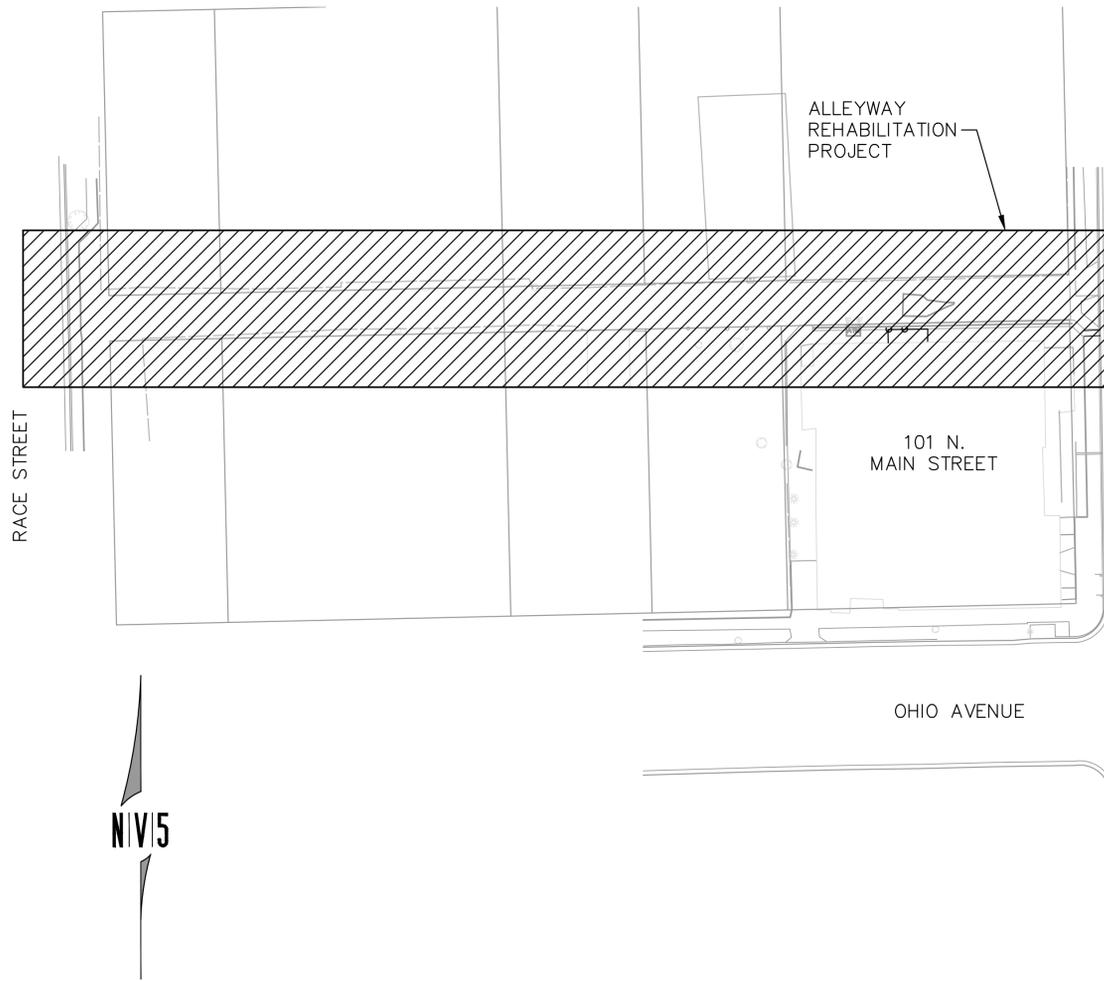
ALLEYWAY NOTES

- ALL ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE TO THE CITY OF FOUNTAIN STANDARDS AND SPECIFICATIONS TO INCLUDE CURB AND GUTTER, SIDEWALK, ASPHALT PAVEMENT, AND PEDESTRIAN RAMPS. REFER TO THE CITY COLORADO SPRINGS ENGINEERING DIVISION STANDARD SPECIFICATIONS, AND THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF FOUNTAIN. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- PAVING SHALL NOT START UNTIL A SOILS REPORT AND PAVEMENT DESIGN IS APPROVED BY THE CITY ENGINEER, AND SUBGRADE COMPACTION TESTS ARE TAKEN AND APPROVED BY THE CITY INSPECTION SECTION. PLEASE REFER TO THE SOILS REPORT BY RMG ENGINEERS GROUP ON MAY 24, 2010.
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES REGARDING THE RELOCATION OF ELECTRIC, TELEPHONE BOXES, AND POWER POLES, ETC.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS NECESSARY UTILIZING THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL NOTIFY THE CITY OF FOUNTAIN 48 HOURS PRIOR TO PROOF-ROLLING.

CITY OF FOUNTAIN, EL PASO COUNTY, COLORADO
MARCH 2016



VICINITY MAP
NOT TO SCALE



SITE MAP
1" = 30'

GRADING AND EARTHWORK NOTES

- ALL FILL AREAS SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
- EROSION CONTROL SHALL CONSIST OF SILT FENCES AND EROSION CONTROL FEATURES AS SHOWN ON THE DRAWING, AND TOPSOIL WITH GRASS SEED WHICH WILL BE WATERED UNTIL VEGETATION HAS BEEN REESTABLISHED.
- EROSION CONTROL BALES OR SILT FENCE SHALL BE PLACED AT THE TOE AND DRAINAGE OUTFALL POINTS OF ALL SLOPES 4:1 OR STEEPER TO PREVENT SILTATION ON STREETS. REFER TO EROSION CONTROL PLAN FOR DETAIL AND LOCATION OF EROSION CONTROL MEASURES.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL, COUNTY AND STATE REGULATIONS PERTAINING TO GRADING, DUST AND EROSION.
- 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 OPERATIONS 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 OWNER/DEVELOPER SHALL IMMEDIATELY INSTITUTE MITIGATIVE MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE MANUAL AND IN ACCORDANCE WITH THE EROSION AND STORMWATER QUALITY CONTROL PLAN APPROVED BY THE CITY OF FOUNTAIN, IF REQUIRED.
- ALL EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION.
- ALL EARTH DISTURBANCE SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ALL EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS.
- SUSPENDED SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE MINIMIZED IN RUNOFF WATER BEFORE IT LEAVES THE SITE.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO THE STANDARDS AND SPECIFICATIONS PRESCRIBED IN THE MANUAL, AND IN ACCORDANCE WITH THE PERMANENT EROSION CONTROL FEATURES SHOWN ON THE EROSION AND STORMWATER CONTROL PLANS APPROVED BY THE CITY OF FOUNTAIN, IF REQUIRED.
- ANY STREET OR DRAINAGE FACILITY WHICH HAS HAD EROSION SEDIMENT DEPOSITED IN IT DUE TO CONSTRUCTION, GRADING, OR OTHER DEVELOPMENT ACTIVITY, MUST BE CLEANED IMMEDIATELY AT THE EXPENSE OF THE CONTRACTOR. IF THE FACILITY IS NOT CLEANED IMMEDIATELY OR WITHIN A RESPONSIBLE PERIOD OF TIME AFTER NOTIFICATION BY THE CITY, THE CITY MAY PERFORM THE WORK OR HAVE THE WORK DONE AND BILL THE RESPONSIBLE PARTY.

SHEET INDEX

- TS01 TITLE SHEET
- PN01 SITE PLAN
- GR01 GRADING PLAN
- SI01 SIGNAGE PLAN
- EC01 EROSION CONTROL PLAN
- DT01 DETAILS

PROJECT INFO

OWNER: CITY OF FOUNTAIN
116 SOUTH MAIN STREET
FOUNTAIN, CO 80817-2282
EPC SCHEDULE # 5605316002

PROJECT BENCHMARK:

THE LOCAL SITE BENCH MARK IS A NO. 5 REBAR WITH AN ORANGE PLASTIC CAP LS13255 (SITE DATA POINT #2, N=10648.294, E=28212.546) HAVING AN NAVD 88 BASED ELEVATION OF 5547.37, AND IS LOCATED ON THE EAST SIDE OF MAIN STREET, NORTH SIDE OF PARKING LOT.

CITY OF FOUNTAIN PUBLIC WORKS

CITY OF FOUNTAIN PUBLIC WORKS _____ DATE _____

ENGINEERS STATEMENT:

THESE PLANS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR ROADWAY DESIGN. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.

BRIAN W.W. THOMASEN, P.E. 0046941 _____ DATE _____
ON BEHALF OF NV5, INC.



Know what's below.
Call before you dig.

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

FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
ALLEYWAY REHABILITATION PROJECT
TITLE SHEET

BEYOND ENGINEERING
NV5
COLORADO SPRINGS, CO 80920
WWW.NV5.COM
975 RESEARCH PARKWAY, SUITE 105
762680500 TEL. 762680200 FAX

SHEET NUMBER
TS01
1 OF 6 SHEETS
SCALE
VERTICAL: NONE
HORIZONTAL: 1" = 30'
JOB NUMBER
CSB0265_CO4

DATE SUBMITTED: MARCH 2016

PREPARED FOR: CITY OF FOUNTAIN

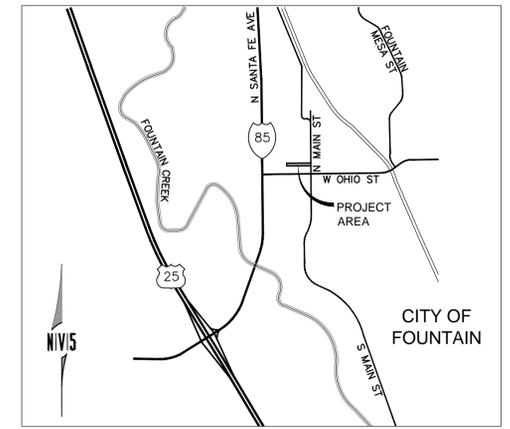
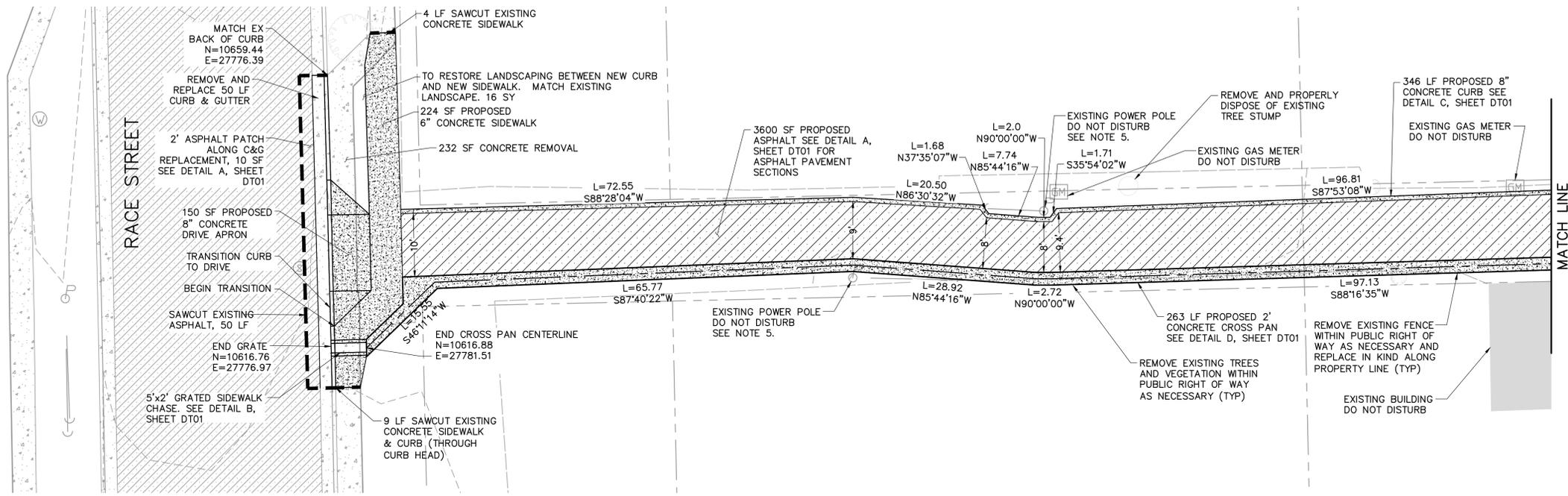
WWW.NV5.COM

975 RESEARCH PARKWAY, SUITE 105
762680500 TEL. 762680200 FAX

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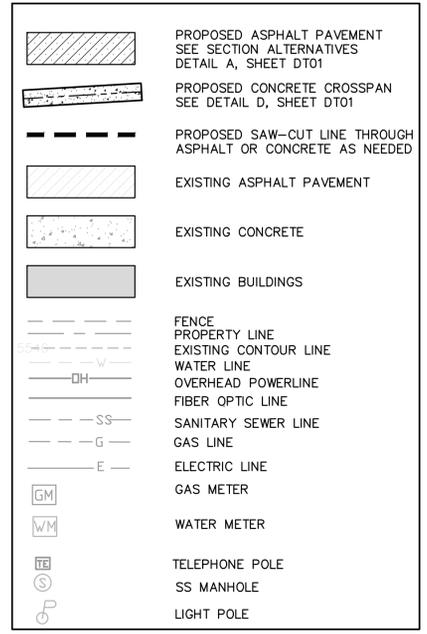
CAUTION
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NO.	BY	DATE	REVISIONS



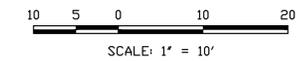
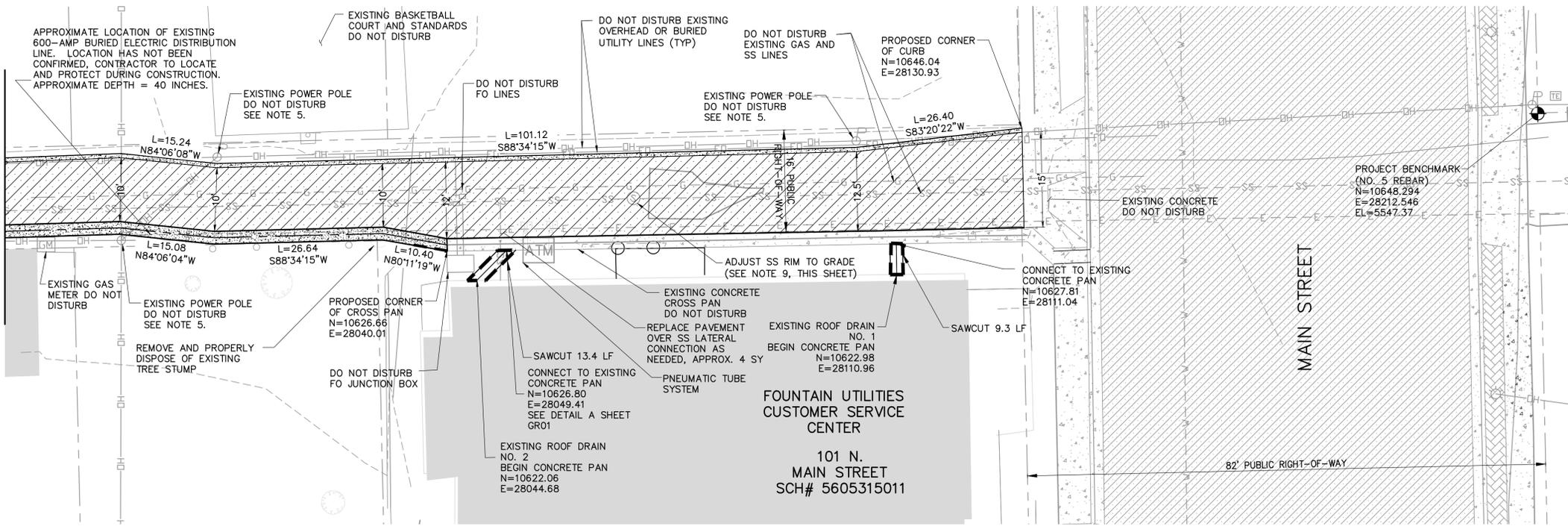
VICINITY MAP
NOT TO SCALE

LEGEND



NOTES

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- ALL IMPROVEMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF FOUNTAIN DESIGN STANDARDS.
- ALL CONSTRUCTION SHALL OCCUR WITHIN THE CITY OF FOUNTAIN PROPERTY AND PUBLIC RIGHT-OF-WAY. NO CONSTRUCTION ACTIVITIES SHALL OCCUR ON NEIGHBORING PROPERTIES.
- ALL ASPHALT SHALL BE INSTALLED IN ACCORDANCE WITH THE "SUBSURFACE SOIL INVESTIGATION AND PAVEMENT THICKNESS DESIGN" REPORT REQUIREMENTS AS PREPARED BY RMG ENGINEERS, MAY 24, 2010. CONTRACTOR TO CONTACT RMG REPRESENTATIVE PRIOR TO CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH OVERHEAD ELECTRIC UTILITY PROVIDER PRIOR TO CONSTRUCTING NEAR THE OVERHEAD ELECTRIC POLE.
- CONTRACTOR SHALL COORDINATE WITH ADJACENT LAND OWNERS AND NOTIFY OF CONSTRUCTION SCHEDULE.
- CONSTRUCTION PARKING SHALL BE AT CITY HALL BUILDING, NOT ADJACENT TO SITE.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
- CONTRACTOR SHALL ADJUST SANITARY MANHOLE LIDS IN ACCORDANCE WITH THE FOUNTAIN SANITATION DISTRICT STANDARDS. SEE DETAIL G, SHEET DT01.



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

**FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
ALLEYWAY REHABILITATION PROJECT
SITE PLAN**

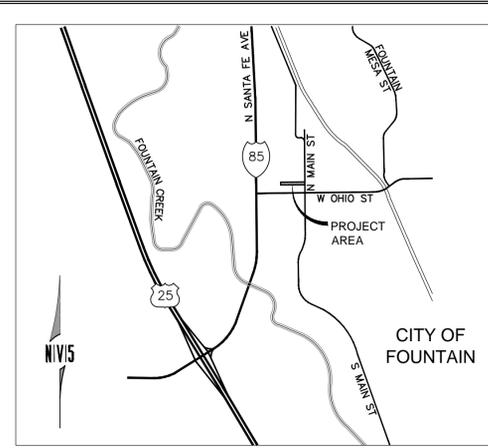
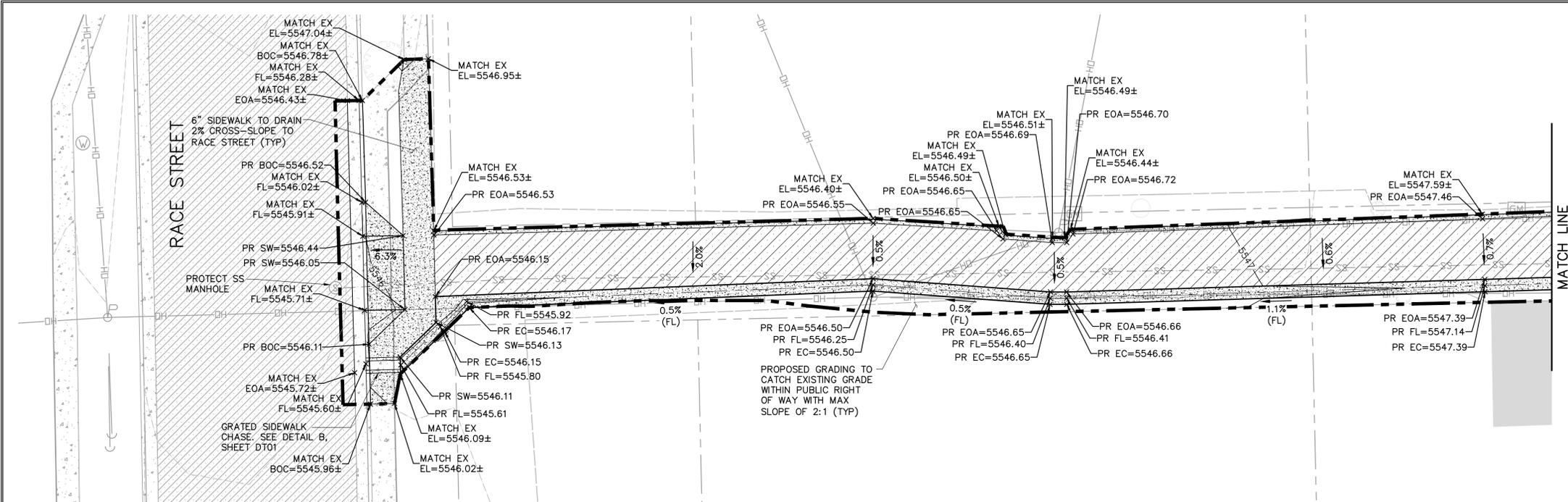
NO.	BY	DATE	REVISIONS

DATE SUBMITTED: MARCH 2016

PREPARED FOR: CITY OF FOUNTAIN

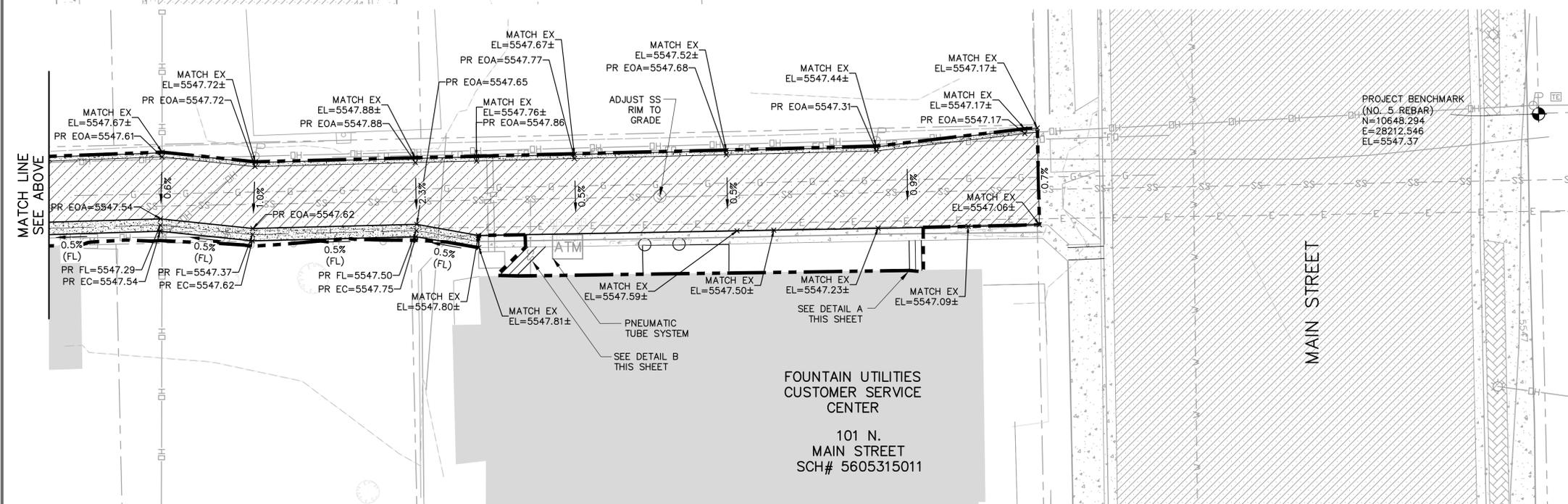
NV5 BEYOND ENGINEERING
 975 RESEARCH PARKWAY, SUITE 105
 FOUNTAIN, COLORADO 80020
 719.286.8500 TEL. 719.286.8200 FAX
 WWW.NV5.COM

SHEET NUMBER	PN01
SCALE	VERTICAL: NONE HORIZONTAL: 1" = 10'
JOB NUMBER	CSB0265_CO4

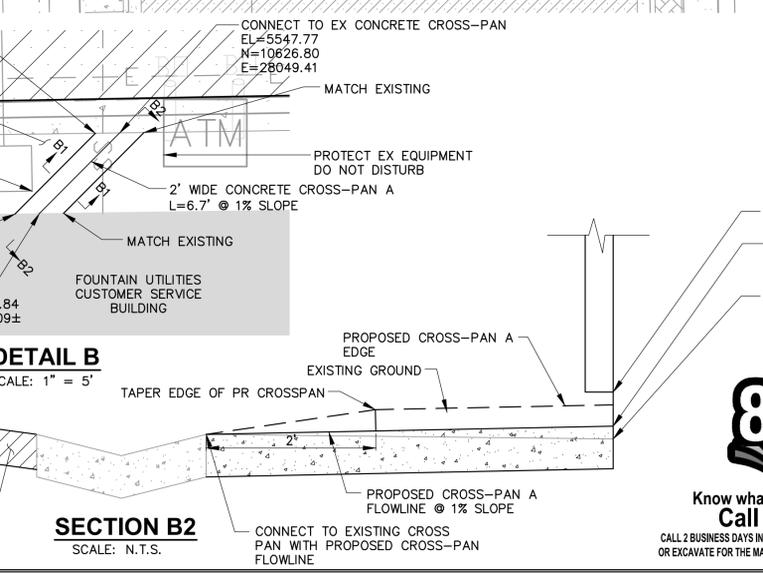
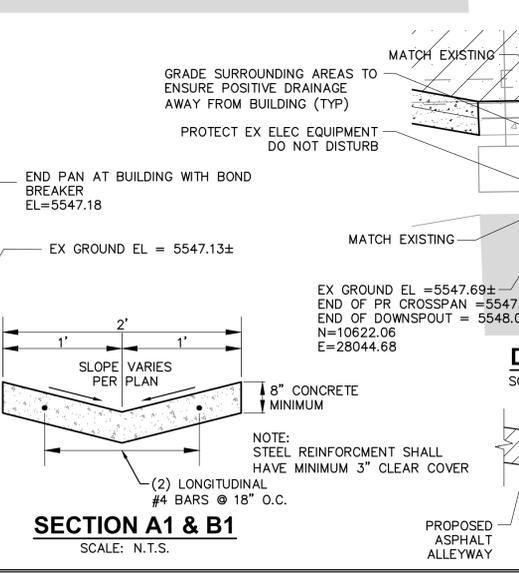
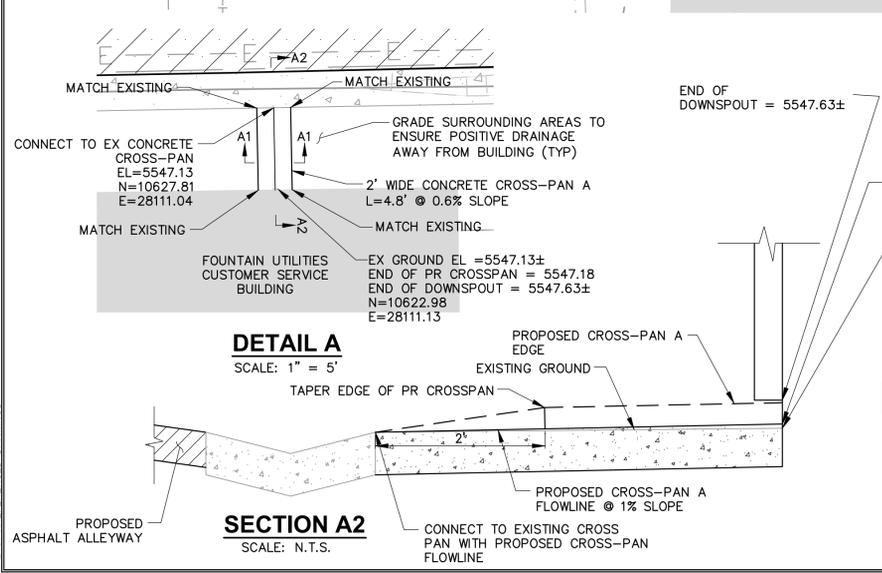


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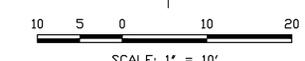
— 5548 —	PROPOSED CONTOUR
3.0%	PROPOSED SLOPE
X	SPOT ELEVATION
EC	EDGE OF CONCRETE
EL	ELEVATION
EOA	EDGE OF ASPHALT
FL	FLOW LINE
PR	PROPOSED
SW	SIDEWALK
TBC	TOP BACK CURB
--- ---	PROJECT BOUNDARY (NO. 5 REBAR)
--- ---	PROPOSED ASPHALT PAVEMENT (SEE SECTION ALTERNATIVES DETAIL A, SHEET DT01)
--- ---	PROPOSED CONCRETE CROSSSPAN (SEE DETAIL D, SHEET DT01)
--- ---	EXISTING ASPHALT PAVEMENT
--- ---	EXISTING CONCRETE
--- ---	EXISTING BUILDINGS
SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
---	PROPERTY LINE
---	FENCE
---	WATER LINE
DH	OVERHEAD POWERLINE



- NOTES**
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 - ALL ASPHALT SHALL BE INSTALLED AT FULL DEPTH IN ACCORDANCE WITH THE "SUBSURFACE SOIL INVESTIGATION AND PAVEMENT THICKNESS DESIGN" REPORT REQUIREMENTS AS PREPARED BY RMG ENGINEERS, MAY 24, 2010. CONTRACTOR TO CONTACT RMG REPRESENTATIVE PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH OVERHEAD ELECTRIC UTILITY PROVIDER PRIOR TO CONSTRUCTING NEAR THE OVERHEAD ELECTRIC POLE.
 - PROPOSED TOP OF CURB ELEVATION IS EQUAL TO PROPOSED EDGE OF ASPHALT SHOWN.



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NO.	BY	DATE	REVISIONS

FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
 ALLEYWAY REHABILITATION PROJECT
 GRADING PLAN

PREPARED FOR: CITY OF FOUNTAIN

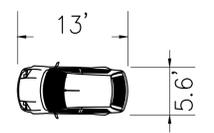
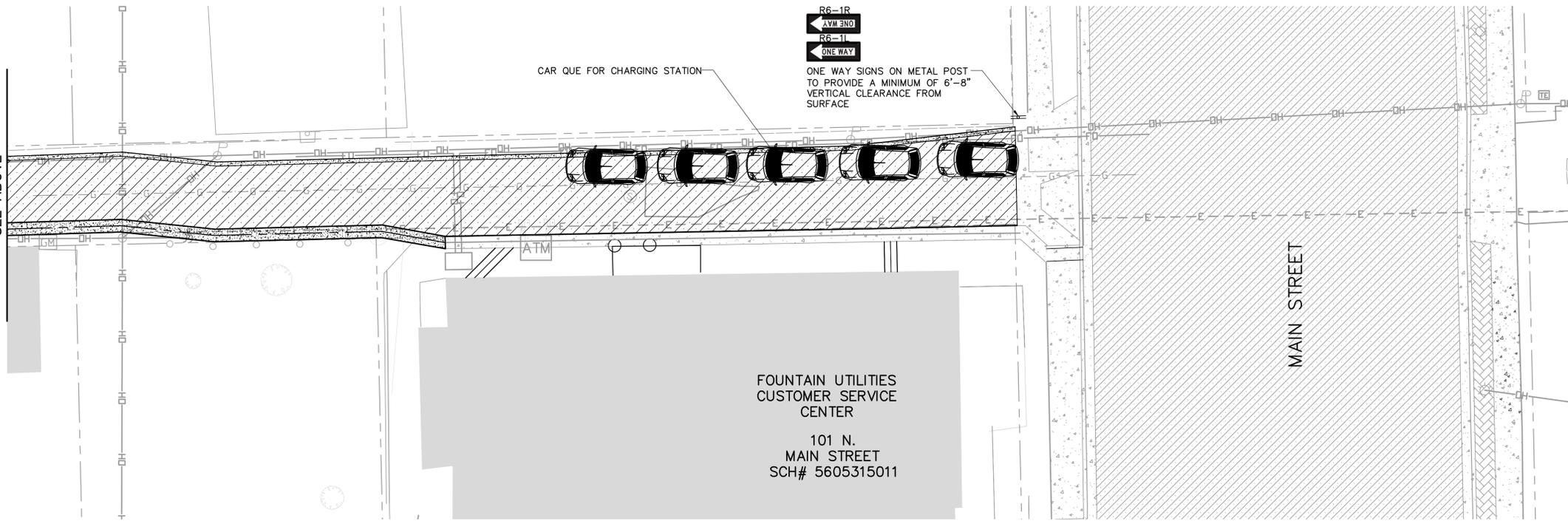
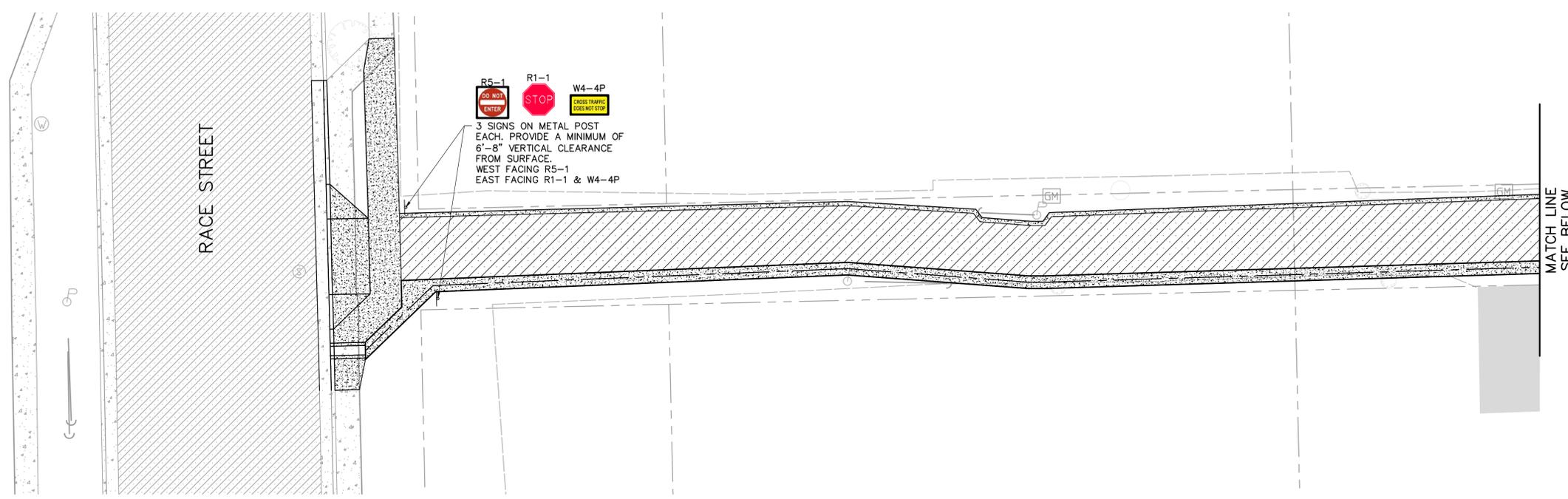
DATE SUBMITTED: MARCH 2016

NIV5
 BEYOND ENGINEERING

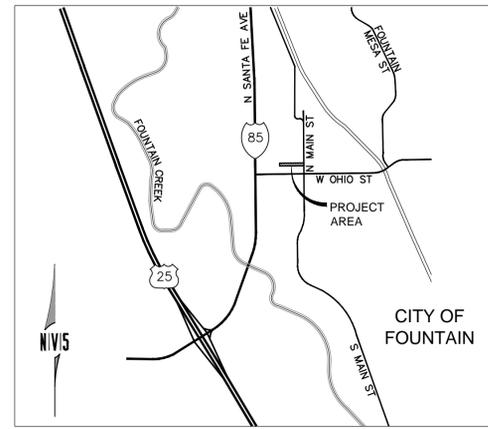
1975 RESEARCH PARKWAY, SUITE 105
 FOUNTAIN, CO 80820
 762.288.0000 TEL. 762.288.8200 FAX
 WWW.NIV5.COM

SHEET NUMBER	GR01
SCALE	VERTICAL: NONE HORIZONTAL: 1" = 10'
JOB NUMBER	CSB0265_CO4

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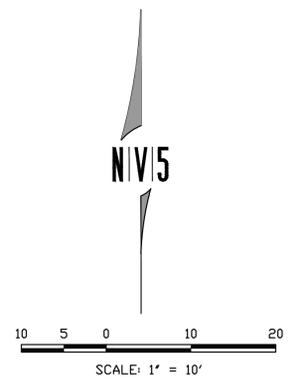
CAR CHARGING STATION DETAILS



LEGEND

- PROPOSED ASPHALT PAVEMENT
SEE SECTION ALTERNATIVES
DETAIL A, SHEET DT01
- PROPOSED CONCRETE CROSSSPAN
SEE DETAIL D, SHEET DT01
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING BUILDINGS

- NOTES**
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 - ALL SIGNAGE SHALL BE INSTALLED WITH THE MOST CURRENT MUTCD STANDARDS.



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 OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES.

FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
 ALLEYWAY REHABILITATION PROJECT
 SIGNAGE PLAN

NO.	BY	DATE	REVISIONS

NIV5
 BEYOND ENGINEERING

1675 RESEARCH PARKWAY, SUITE 105
 762688500 TEL. 762688200 FAX

WWW.NIV5.COM

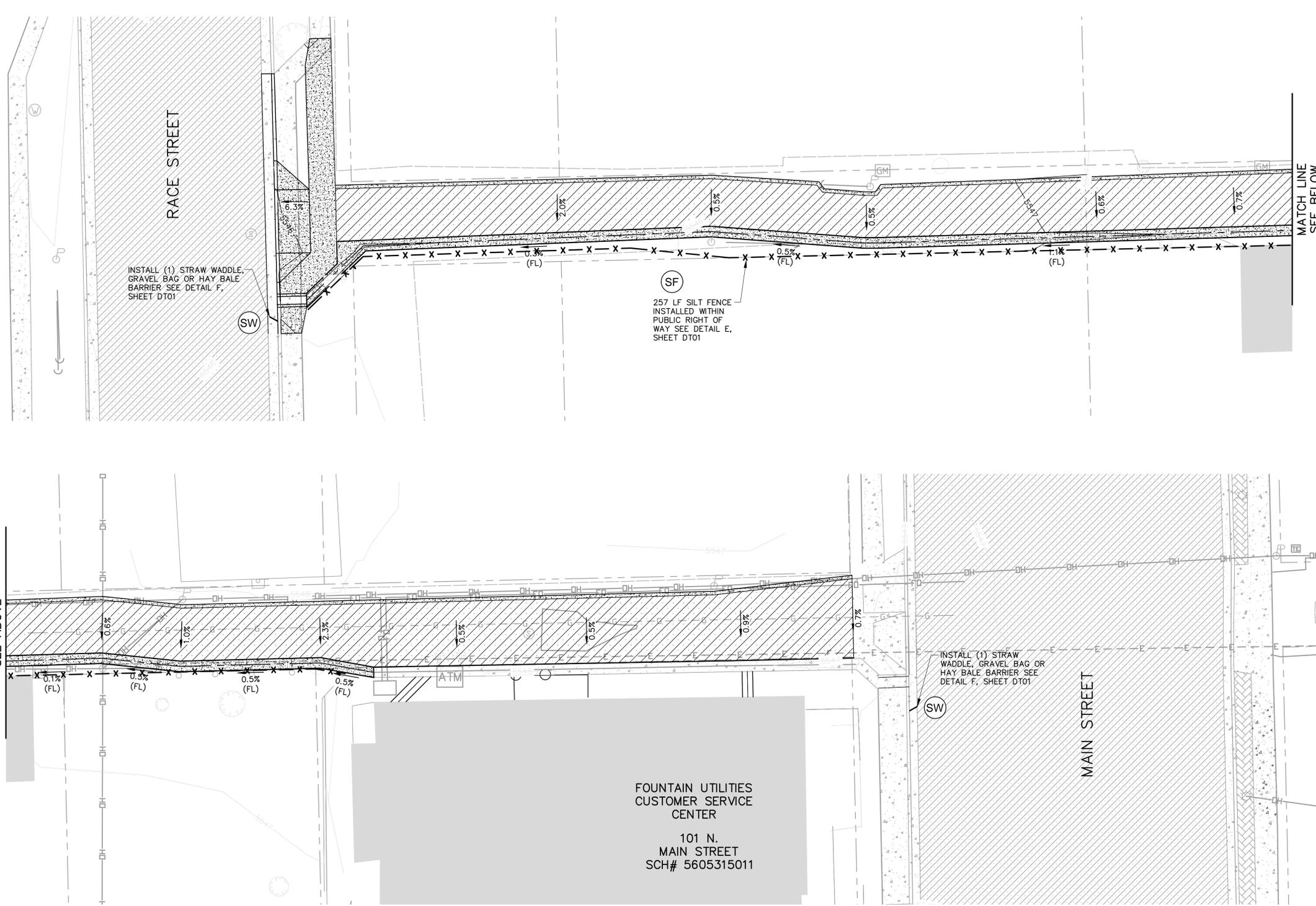
COLOMADO SPRINGS, CO 80920

SHEET NUMBER	SI01
SCALE	VERTICAL: NONE HORIZONTAL: 1" = 10'
JOB NUMBER	CSB0265_CO4

DATE SUBMITTED: MARCH 2016

PREPARED FOR: CITY OF FOUNTAIN

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INSTALL (1) STRAW WADDLE, GRAVEL BAG OR HAY BALE BARRIER SEE DETAIL F, SHEET DT01

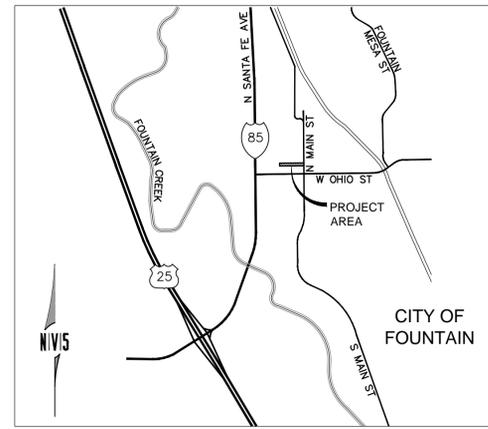
(SF)
 257 LF SILT FENCE INSTALLED WITHIN PUBLIC RIGHT OF WAY SEE DETAIL E, SHEET DT01

INSTALL (1) STRAW WADDLE, GRAVEL BAG OR HAY BALE BARRIER SEE DETAIL F, SHEET DT01

FOUNTAIN UTILITIES
 CUSTOMER SERVICE
 CENTER
 101 N.
 MAIN STREET
 SCH# 5605315011

MATCH LINE
 SEE BELOW

MATCH LINE
 SEE ABOVE



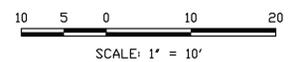
VICINITY MAP
 NOT TO SCALE

LEGEND

— 5548 —	PROPOSED CONTOUR
↘ 3.0%	PROPOSED SLOPE
	PROPOSED ASPHALT PAVEMENT SEE SECTION ALTERNATIVES DETAIL A, SHEET DT01
	PROPOSED CONCRETE CROSSSPAN SEE DETAIL D, SHEET DT01
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING PAVERS
	EXISTING BUILDINGS
— X — X —	PROPOSED SILT FENCE

NOTES

1. CONTRACTOR TO FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES WITH THE DESIGN, CONTRACTOR TO CONTACT ENGINEER OF RECORD IMMEDIATELY.
2. ALL IMPROVEMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF FOUNTAIN DESIGN STANDARDS.
3. ALL CONSTRUCTION SHALL OCCUR WITHIN THE CITY OF FOUNTAIN PROPERTY AND PUBLIC RIGHT-OF-WAY. NO CONSTRUCTION ACTIVITIES SHALL OCCUR ON NEIGHBORING PROPERTIES.
4. CONTRACTOR SHALL SWEEP AT THE END OF EACH DAY TO PREVENT DEBRIS AND MATERIALS FROM LEAVING THE SITE IN LIEU OF A VEHICLE TRACKING CONTROL TO THE APPROVAL OF THE CITY INSPECTOR.



Know what's below.
 Call before you dig.
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE
 OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES.

FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
 ALLEYWAY REHABILITATION PROJECT
 EROSION CONTROL PLAN

PREPARED FOR: CITY OF FOUNTAIN

DATE SUBMITTED: MARCH 2016

NO.	BY	DATE	REVISIONS

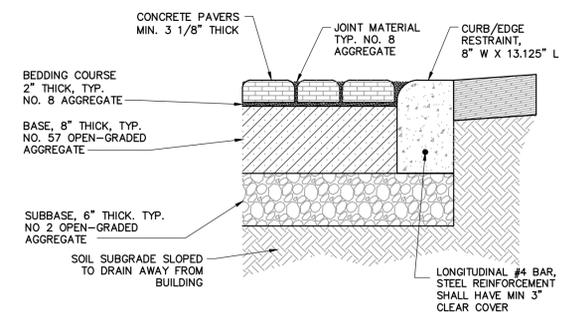
COLORADO SPRINGS, CO 80920
 WWW.NIV5.COM



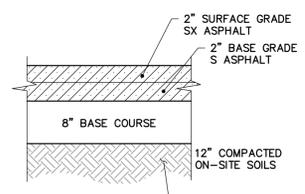
1675 RESEARCH PARKWAY, SUITE 105
 702.268.0500 TEL. 762.268.9200 FAX

SHEET NUMBER	ECO1
SCALE	5 OF 6 SHEETS
VERTICAL: NONE	HORIZONTAL: 1" = 10'
JOB NUMBER	CSB0265_CO4

CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to these plans. The user of these plans must be approved by the preparer of these plans.



**BID ALTERNATIVE ALLEYWAY SECTION:
 PERMEABLE INTERLOCKING CONCRETE PAVEMENT**
 NOT TO SCALE

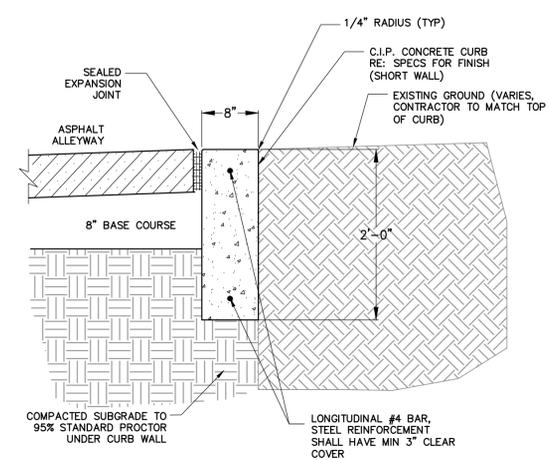


**BASE BID:
 PAVEMENT SECTION**
 NOT TO SCALE

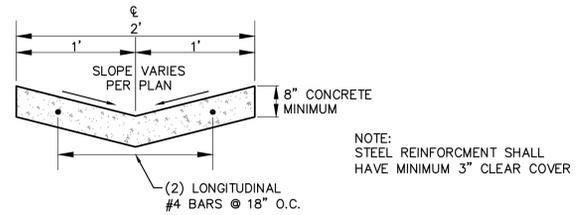
(A) ASPHALT PAVEMENT SECTIONS
 SCALE: NOT TO SCALE

NOTES

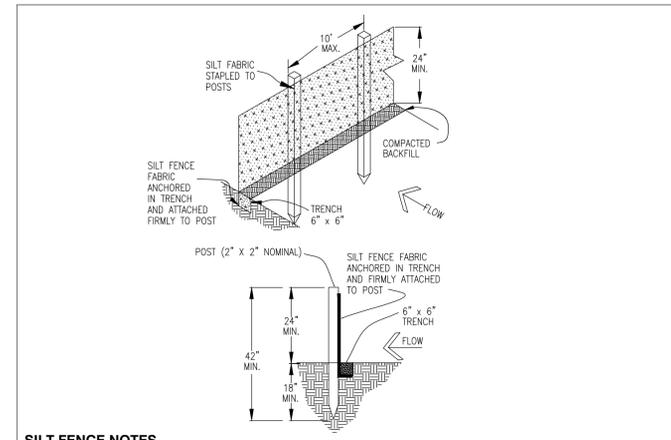
1. EXPANSION AND SAWCUT JOINTS SHALL BE MADE IN ALL CONCRETE EVERY 50'. REFER TO CDOT GUIDELINES AND SPECIFICATIONS FOR JOINT DETAILS.



**(C) 8\"/>
 SCALE: NOT TO SCALE**



(D) CONCRETE CROSSSPAN DETAIL
 SCALE: NOT TO SCALE



(E) SILT FENCE DETAIL
 SCALE: NOT TO SCALE

SILT FENCE NOTES

INSTALLATION REQUIREMENTS

1. SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
3. METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAL FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
4. THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #9 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
5. WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 9" ABOVE THE ORIGINAL GROUND SURFACE.
6. ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
7. THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INCREASE VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

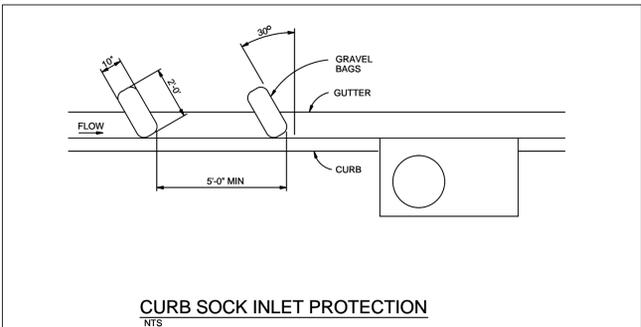
MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNENTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
3. SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.

ALSO REFER TO CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL FIGURE SF-3 FOR ADDITIONAL INSTALLATION REQUIREMENTS

**City of Colorado Springs
 Stormwater Quality**

**Figure SF-2
 Silt Fence**
 Construction Detail and Maintenance Requirements



(F) CURB SOCK INLET PROTECTION
 SCALE: NOT TO SCALE

CURB SOCK INLET PROTECTION NOTES

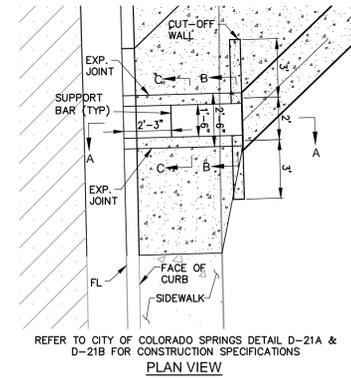
INSTALLATION REQUIREMENTS

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. SOCK IS TO BE MADE OF 1/4 INCH WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.
3. WASHED SAND OR GRAVEL 3/4 INCH TO 4 INCHES IN DIAMETER IS PLACED INSIDE THE SOCK.
4. PLACEMENT OF THE SOCK IS TO BE 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
5. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED AT A MINIMUM 5 FEET APART.
6. MIN 2 CURB SOCKS REQUIRED FOR INLET PROTECTION.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED OR REPLACED.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SOCK WHEN GUTTER WIDTH IS FILLED.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.

**Figure IP-4
 Curb Sock Inlet Protection**
 Construction Detail and Maintenance Requirements



(G) SANITARY SEWER MANHOLE
 SCALE: NOT TO SCALE

WATERPROOFING REQUIREMENTS

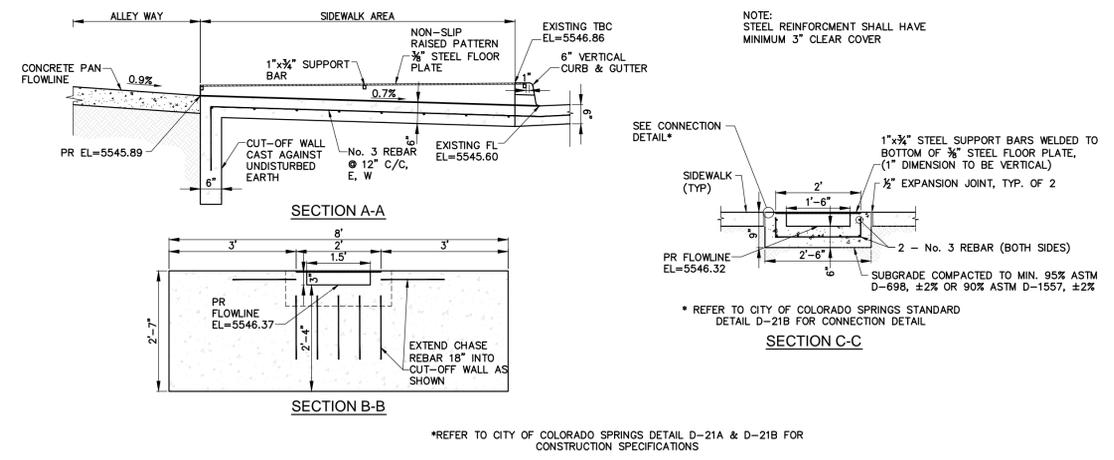
1. APPLY CEMENT GROUT LAYER (3/8" TO 1/2" THICK) TO ALL INTERIOR JOINTS ABOVE FLOOR CHANNEL.
2. APPLY COAL TAR EPOXY DAMPROOFING TO ALL EXTERIOR CONCRETE SURFACES.
3. APPLY CEMENT GROUT LAYER (3/8" TO 1/2" THICK) TO ALL EXTERIOR CONCRETE SURFACES, AS DIRECTED BY DISTRICT. APPLY PRIOR TO DAMPROOFING.

**CITY OF COLORADO SPRINGS
 CURB OPENING DETAIL**

APPROVED BY: [Signature]
 SCALE: NONE DATE: JAN 89 DRAWN: P.L.B. SHEET: D-21A 2 OF 2

**CITY OF COLORADO SPRINGS
 SANITARY SEWER MANHOLE**
 DWG-04

APPROVED BY: [Signature]
 SCALE: NONE DATE: MARCH 2000 REVISED: 3-2003 = CHANNEL RADIUS



(B) GRATED SIDEWALK CHASE DETAIL
 SCALE: NOT TO SCALE

(D-21A AND 21B)
 SCALE: NOT TO SCALE

SECTION A-A
 FLOW FROM GUTTER

SECTION A-A
 FLOW TO GUTTER

SECTION C-C

**CITY OF COLORADO SPRINGS
 CURB OPENING DETAIL**

APPROVED BY: [Signature]
 SCALE: NONE DATE: JAN 89 DRAWN: P.L.B. SHEET: D-21A 2 OF 2

(D-21A AND 21B)
 SCALE: NOT TO SCALE

DETAIL 1

TYPE OF WALK	MIN TOTAL LENGTH (L) OF PLATE	1" x 3/4" SUPPORT BAR REQUIREMENTS (L) OF PLATE	FLOOR PLATE WIDTH (W) SUPPORT SPACING(S)
ATTACHED	WALK WIDTH + 10 1/2"	1'	NONE REQUIRED
		2'	60" C/C
		3'	21" C/C
		4'	15" C/C
		5'	10" C/C
		6'	7" C/C

NOTES:

1. ALL EXPOSED METAL TO BE HOT DIPPED ZINC COATED. FIELD WELDS TO BE TOUCH-UP WITH GOLD ZINC COATING.
2. WHEN OTHER THAN TYPE I (8") CURB EXISTS, THE CONTRACTOR SHALL REMOVE THE EXISTING CURB TO ALLOW FOR THE REQUIRED TRANSITIONS, AS FOLLOWS: BEGINNING AT THE EDGE OF THE CHASE SECTION, THERE SHALL BE A MINIMUM OF 5 FEET OF TYPE I CURB PLUS 10 FEET OF TRANSITION TO EXISTING CURB TYPE.
3. ALL REMOVAL OF EXISTING CURB SHALL BE BY SAW-CUT, OR BY REMOVAL TO AN EXISTING EXPANSION OR COLD JOINT. REMAINING SECTION AFTER SAW CUTTING TO BE MINIMUM 4" IN LENGTH.
4. CHASE SECTION TO BE POURED MONOLITHICALLY WITH CURB & GUTTER SECTION AND CUT-OFF WALL.
5. WHEN CHASE SECTION LENGTH EXCEEDS 15' PROVIDE TOOL JOINT IN CONCRETE AT MAXIMUM OF 10' SPACING FABRICATE FLOOR PLATES IN MULTIPLE SECTION NOT TO EXCEED 10' IN LENGTH.

**CITY OF COLORADO SPRINGS
 CURB OPENING DETAIL**

APPROVED BY: [Signature]
 SCALE: NONE DATE: JAN 89 DRAWN: P.L.B. SHEET: D-21A 2 OF 2

NO.	BY	DATE	REVISIONS

**FOUNTAIN UTILITIES CUSTOMER SERVICE CENTER
 ALLEYWAY REHABILITATION PROJECT**

DETAILS

DATE SUBMITTED: MARCH 2016

PREPARED FOR: CITY OF FOUNTAIN

COLOADO SPRINGS, CO 80820
 WWW.NV5.COM

9575 RESEARCH PARKWAY, SUITE 165
 782.288.8200 TEL. 782.288.8200 FAX

NV5
 BEYOND ENGINEERING

**SHEET NUMBER
 DT01**
 6 OF 6 SHEETS

SCALE
 VERTICAL: NONE
 HORIZONTAL: NTS

JOB NUMBER
 CSB0265_CO4