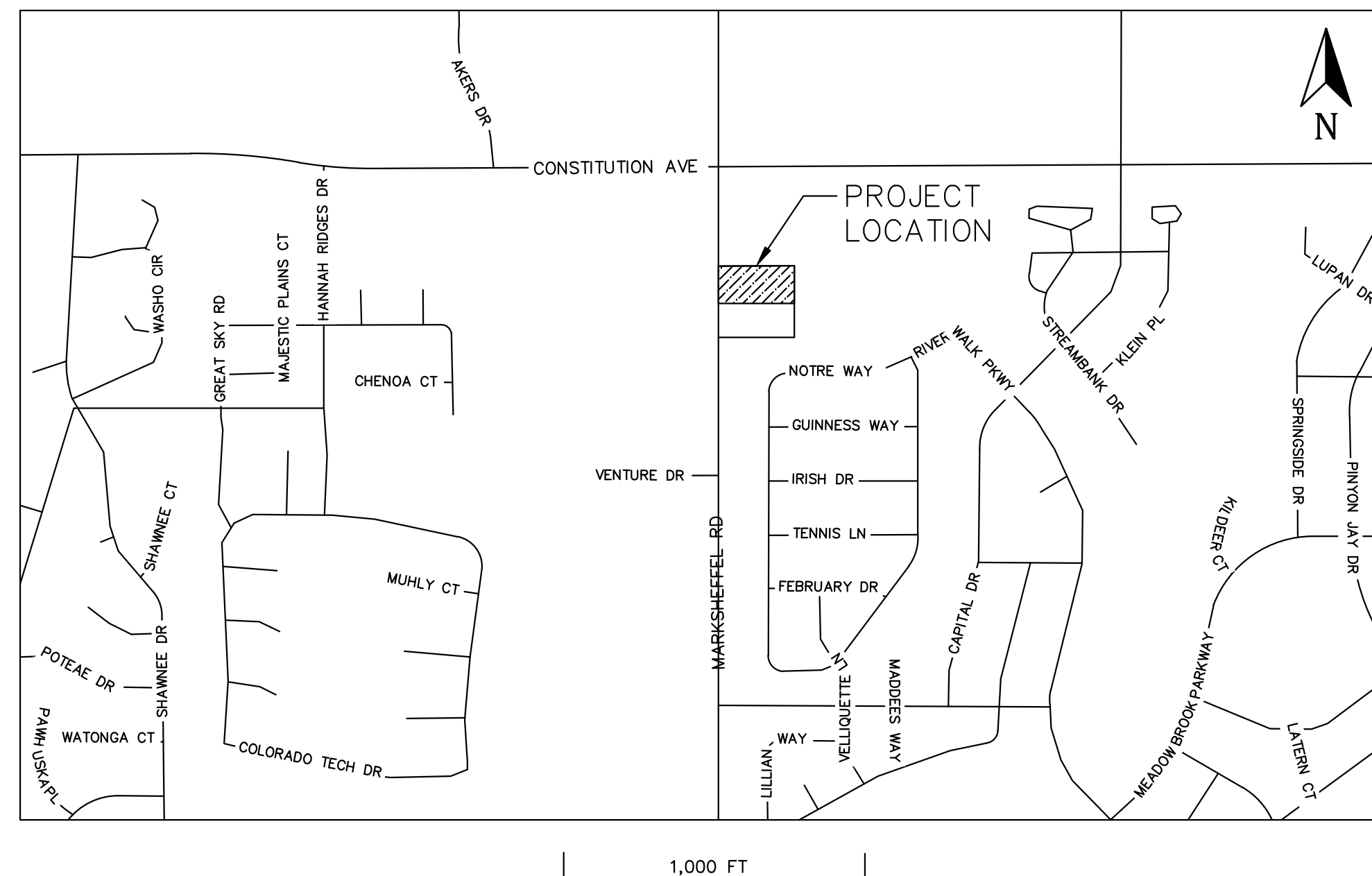


Constitution Colorado Springs, CO

VICINITY MAP



INDEX

- C-0 Cover Sheet
- C-1 Site Development Plan
- C-2 Grading Plan
 - C-2.1 Drainage Plan
 - C-2.2 Drainage Basin Plan
- C-3 Utility Plan
- C-4 Details
- C-5 Utility Details
- C-6 Stormwater Pollution Prevention Plan
- C-7 SWPPP Details
- LP101 Landscape Planting Plan
- LP102 Landscape Planting Schedule
- LD501 Planting Details
- LS600 Landscape Specifications
- Photometric Plan
- A100 Dimension Floor Plan
- A200 Exterior Elevations
- A200 Exterior Color Elevations
- Signage Plans

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DEVELOPER:
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JOSEPH@LONESTARBUILDERSINC.COM

SITE DATA

LOT AREA:	45,370	SF (1.04 ACRES)
BUILDING AREA:	3,980	SF± 8.8%
PAVEMENT AREA:	28,554	SF± 62.9%
LANDSCAPE AREA:	12,836	SF± 28.3%

ZONING: CR (COMMERCIAL REGIONAL)
PERMITTED USE

BUILDING DATA

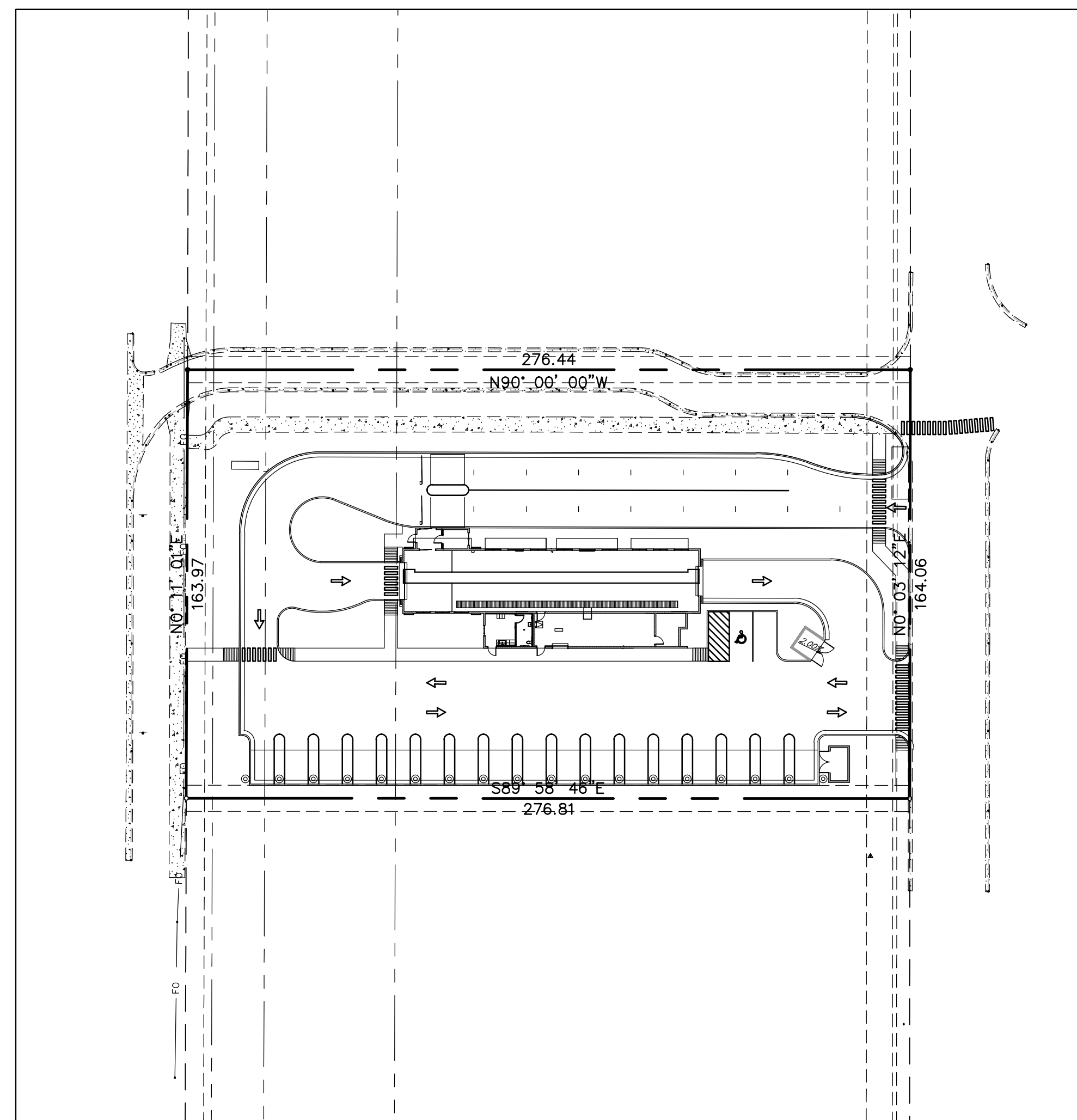
CONSTRUCTION TYPE: V-B
OCCUPANCY TYPE: B
SPRINKLERS: NO
BUILDING HEIGHT: 29'6"
SETBACKS:
FRONT=50 FEET
REAR=0 FEET
SIDE=0 FEET

PARKING TABULATION

REQUIRED: 1 SPACE PER BAY OR STALL

PROVIDED: 2 STALLS
1 ADA STALL

TAX SCHEDULE NUMBER
5404210067




LEGEND & ABBREVIATION TABLE

R.O.W./PROPERTY LINE		EXISTING CURB AND GUTTER	
EASEMENT LINE		PROPOSED CURB AND GUTTER	
CENTER LINE		INVERT ELEVATION	I.E.
PROPOSED TRAIL		TOP BACK CURB	TBC
PROPOSED WATER LINE		TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION		TOP OF GRATE	TOG
PROPOSED GROUND WATER DRAIN		FINISHED GRADE	FG
PROPOSED SEWER LINE		TOP OF CONCRETE	TC
PROPOSED STORM DRAIN LINE		HIGH WATER ELEVATION	HWE
EXISTING SEWER LINE		CATCH BASIN	
EXISTING WATER LINE		SURFACE FLOW DIRECTION	
EXISTING STORM DRAIN LINE		PROPOSED STREET LIGHT	
EXISTING CONTOUR		STORM DRAIN MANHOLE	D
FINISHED CONTOUR		SANITARY SEWER MANHOLE	S
		PROPOSED WATER VALVE	

SITE MAP

$$1'' = 40'$$
[illegible]

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The logo for Elevate Engineering features the word "ELEVATE" in a large, bold, blue sans-serif font. A red compass is positioned over the letter "V". To the right of "ELEVATE", the word "ENGINEERING" is written in a smaller, blue sans-serif font, stacked vertically.

QUICK QUACK CONSTITUTION
COVER SHEET



SHEET:
C-0

DATE: Jan 31, 2019

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LEGEND

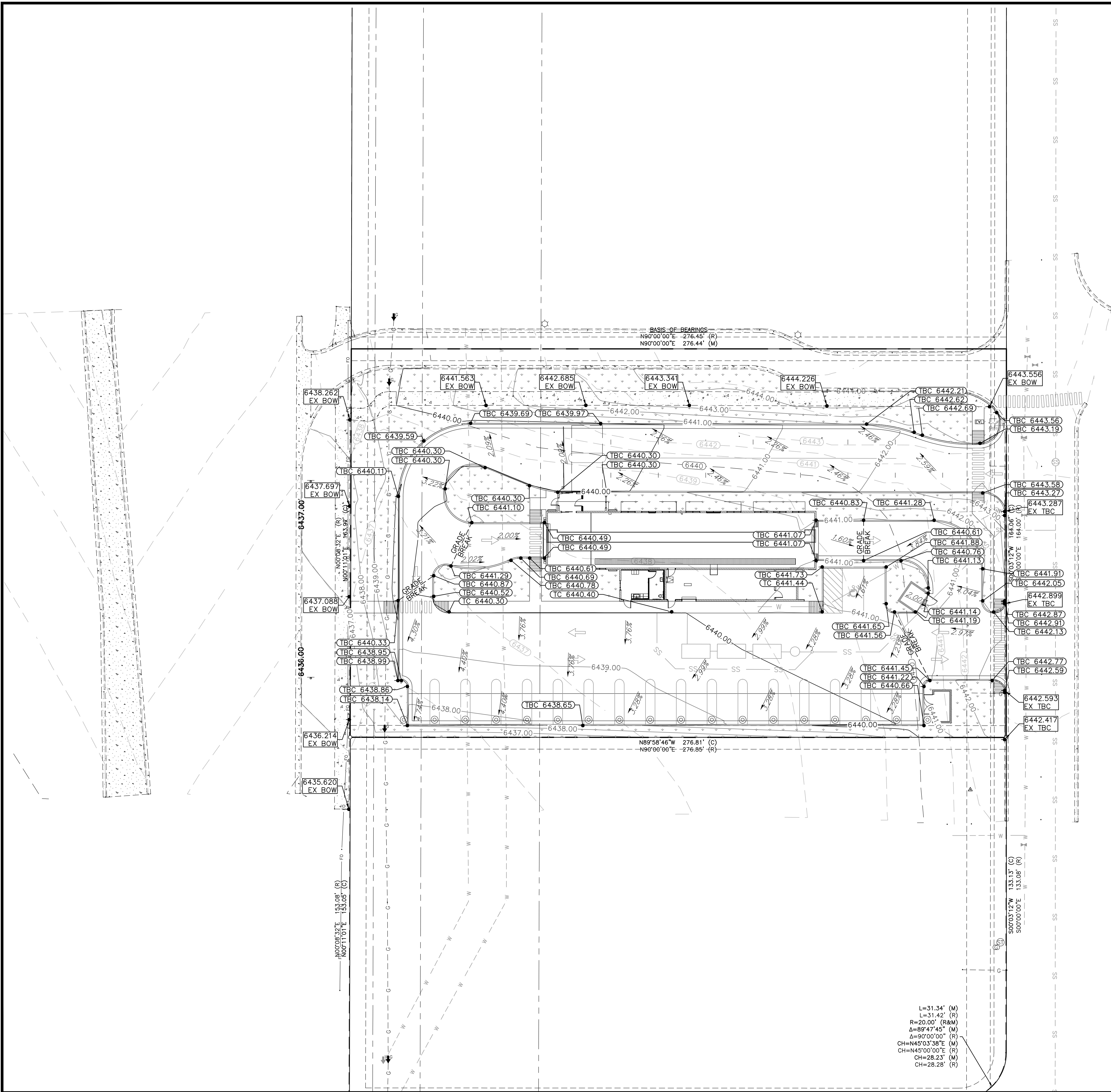
LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	==
PROPOSED CURB AND GUTTER	===
STRIPING	----
BUILDING SETBACK	- - - -
LANDSCAPE SETBACK	- - - - -
EXISTING BUILDING	----
EXISTING FENCE	— x —
TOP BACK OF CURB	TBC
FINISHED FLOOR ELEVATION	FFE
LANDSCAPE AREA	[Pattern]
CONCRETE AREA	[Pattern]

SITE DATA		
LOT AREA:	45,370	SF (1.04 ACRES)
BUILDING AREA:	3,980	SF± 8.8%
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ZONING: CR (COMMERCIAL REGIONAL) PERMITTED USE		
BUILDING DATA		
CONSTRUCTION TYPE: V-B		
OCCUPANCY TYPE: B		
SPRINKLERS: NO		
BUILDING HEIGHT: 29'6"		
SETBACKS:		
FRONT=50 FEET		
REAR=0 FEET		
SIDE=0 FEET		
PARKING TABULATION		
REQUIRED: 1 SPACE PER BAY OR STALL		
PROVIDED: 2 STALLS		
1 ADA STALL		
VACUUM STALLS: 17 STALLS		
TUNNEL LENGTH: 114 FEET		
STACKING: 16 STALLS		

- NOTES:
- PROPOSED 5' SIDEWALK PER CITY OF COLORADO SPRINGS STD D-8L. SEE SHEET C-4 FOR DETAILS.
 - ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER ADA AND APWA STANDARDS. SEE SHEET C-4 FOR DETAILS.
 - PROPOSED CURB & GUTTER TYPE 1 PER CITY OF COLORADO SPRINGS STD D-6. SEE SHEET C-4 FOR DETAILS.
 - PROPOSED CURB TYPE 3 PER CITY OF COLORADO SPRINGS STD D-6. SEE SHEET C-4 FOR DETAILS.
 - CONSTRUCT VACUUM ENCLOSURE WITH CONCRETE PAD AND APRON. INSTALL OWNER PROVIDED VACUUM EQUIPMENT, UNDERGROUND TRUNK LINES, PIPING, ETC. COORDINATE WITH ARCHITECTURAL PLANS.
 - PAINT 4" SOLID YELLOW PAINT STRIPE AS SHOWN (TYPICAL).
 - INSTALL OWNER PROVIDED "TOMMY BALL" PLANTERS/GARBAGE RECEPTACLE (TYPICAL). COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
 - INSTALL OWNER PROVIDED PAY STATIONS WITH CANOPY. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
 - INSTALL OWNER PROVIDED GATES AND LOOP DETECTION SYSTEM. COORDINATE TIMING OF INSTALLATION PRIOR TO CONSTRUCTION OF PAVEMENT. SEE ARCHITECTURAL PLANS FOR DETAILS.
 - PROPOSED DUMPSTER LOCATION. SEE SHEET C-4 FOR DETAILS.

- GENERAL NOTES:
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
 - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
 - ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
 - ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
 - ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
 - SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
 - ALL WORK TO BE ACCORDING TO CITY STANDARDS.



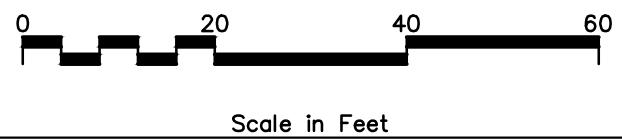


LEGEND

- LOT LINES (PROPERTY) ————
- EXISTING CURB AND GUTTER ————
- PROPOSED CURB AND GUTTER ————
- PROPOSED STORM DRAIN LINE —SD—SD—SD—
- EXISTING STORM DRAIN LINE --SD--SD--SD--
- GRADE BREAK ———— GRADE BREAK ————
- FINISH GRADE CONTOUR LINES ———— 4960 ————
- EXISTING GRADE CONTOUR LINES ———— (4960) ————
- FINISH GRADE SLOPE ———— SLOPE ————
- GRADE BREAK GB
- INVERT ELEVATION IE
- TOP OF GRATE TOG
- TOP OF ASPHALT TA
- TOP BACK OF CURB TBC
- PROPOSED PROP
- EXISTING EX
- FINISHED GRADE FG
- FINISHED FLOOR ELEVATION FFE
- BACK OF SIDEWALK BOW

DESIGN NOTES:

OWNER IS RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA).



Scale in Feet

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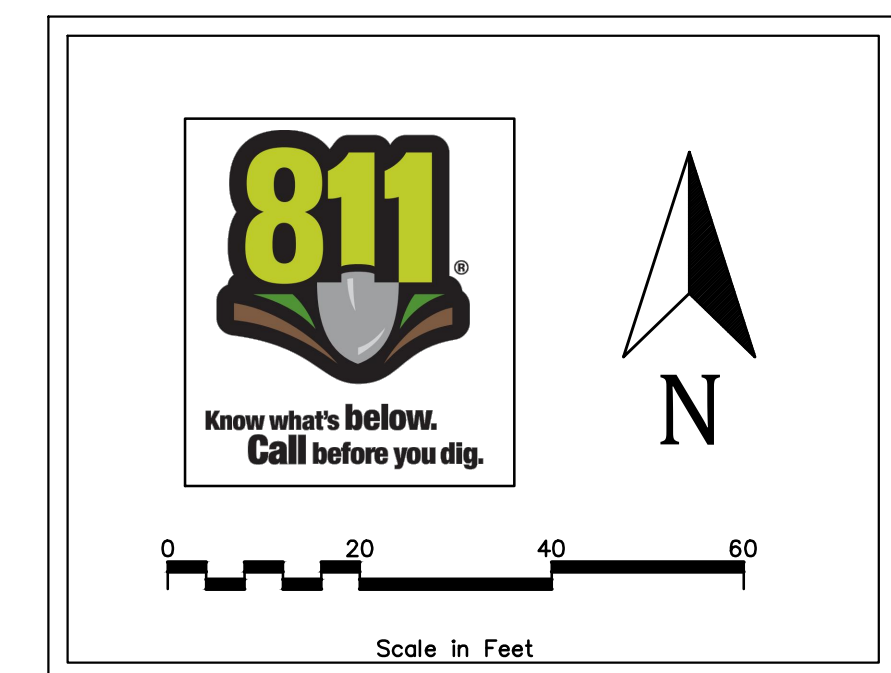
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QUICK QUACK CONSTITUTION
GRADING PLAN
2437 MARKSHEFFEL ROAD COLORADO SPRINGS, CO 80951

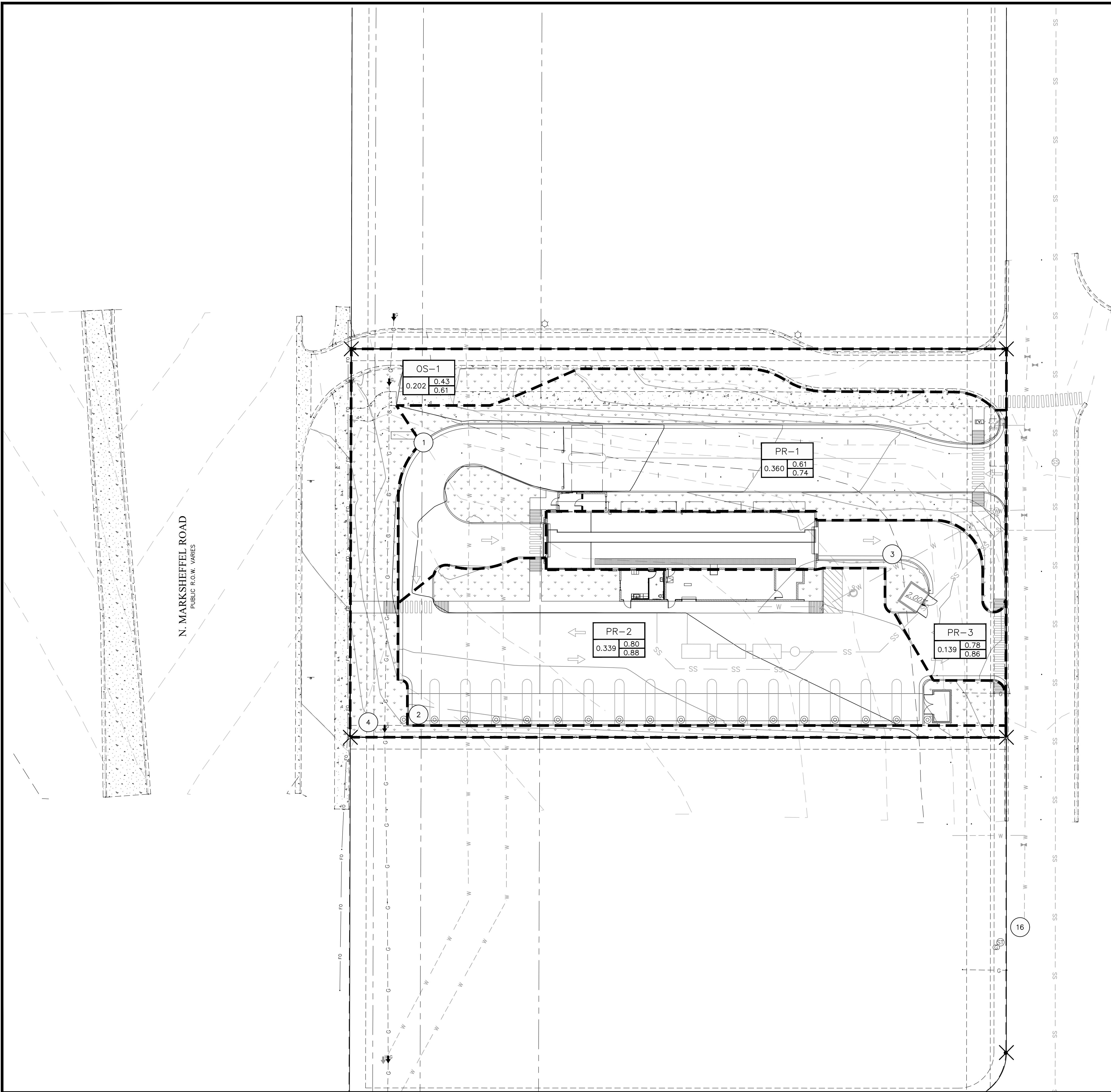


SHEET:
C-2

DATE: Jan 31, 2019



SHEET:
C-2.1
DATE: Jan 31, 2019



LEGEND

LOT LINES (PROPERTY)

EXISTING CURB AND GUTTER

PROPOSED CURB AND GUTTER

DRAINAGE BASIN BOUNDARY

FINISH GRADE CONTOUR LINES

EXISTING GRADE CONTOUR LINES

PROPOSED DRAINAGE BASIN

OFFSITE DRAINAGE BASIN

DESIGN POINTS

PR-1

0.339

0.61

0.74

PROPOSED BASIN DESIGNATION

5-YEAR RUNOFF COEFFICIENT

100-YEAR RUNOFF COEFFICIENT

BASIN AREA IN ACRES

PR-#

OS-#

##

811

Know what's below.
Call before you dig.

N

0

20

40

60

Scale in Feet

\\Mac\\Home\\Elevate Engineering Dropbox\\QQ CO Colorado Springs Constitution\\QQ CO CONSTITUTION 1G.dwg -- Jan 31, 2019--2:10pm

NO.

REVISIONS

BY

DATE

PROJECT ENGINEER: LP

DESIGNER: DL

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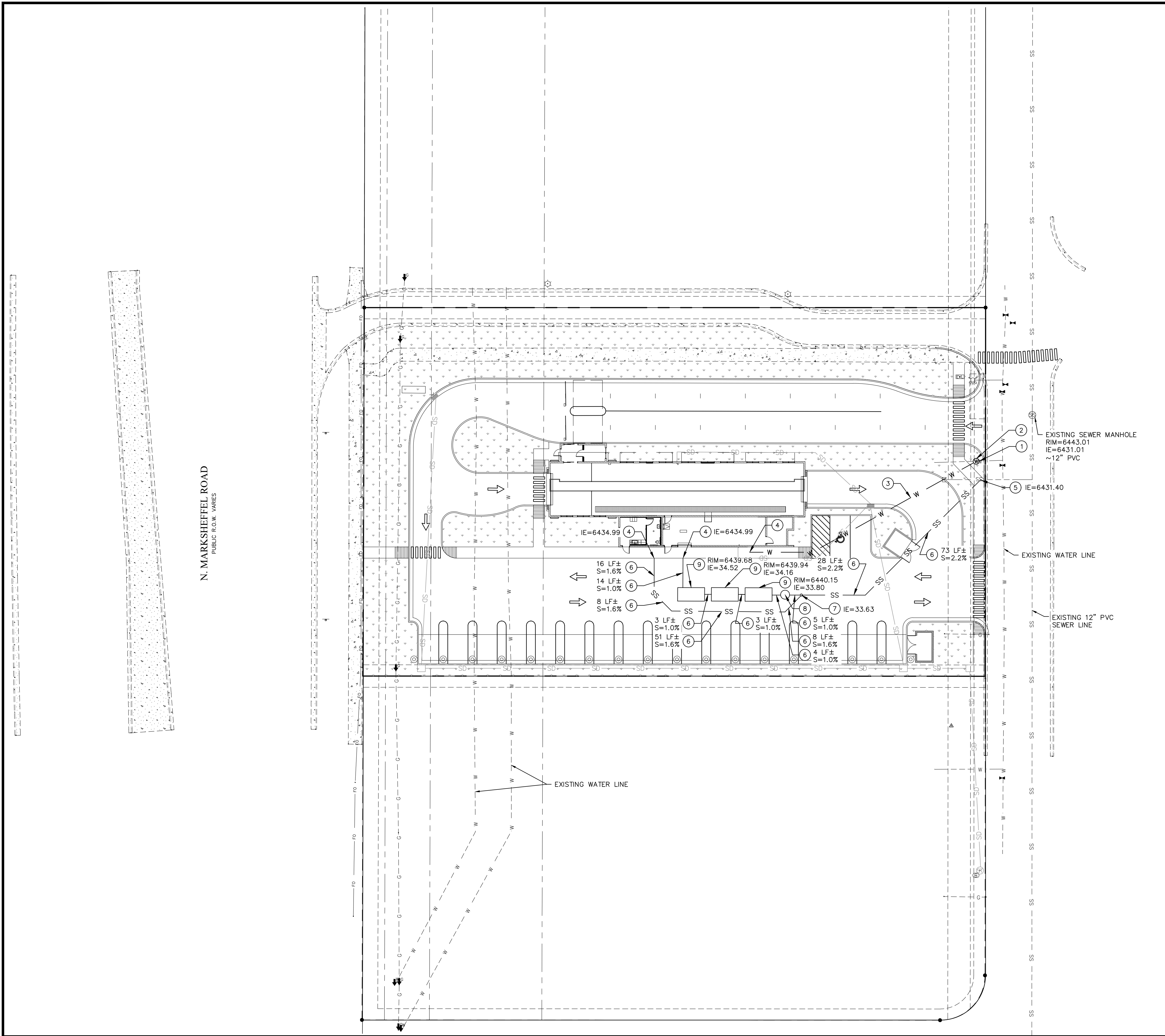
QUICK QUACK CONSTITUTION
DRAINAGE BASIN PLAN

2437 MARKSHEFFEL ROAD COLORADO SPRINGS, CO 80951

COLORADO LICENSE
31/2019
0054520
PROFESSIONAL ENGINEER

SHEET:
C-2.2

DATE:
Jan 31, 2019



N. MARKSHEFFEL ROAD
PUBLIC R.O.W. VARIES

LEGEND

PROPERTY/ROW LINE	---
EXISTING CURB AND GUTTER	=====
PROPOSED CURB AND GUTTER	=====
PROPOSED STORM DRAIN LINE	---SD---SD---SD---
EXISTING STORM DRAIN LINE	---SD---SD---SD---
PROPOSED SEWER LINE	---SS---SS---SS---
EXISTING SEWER LINE	---SS---SS---SS---
PROPOSED WATER LINE	---W---W---
EXISTING WATER LINE	---W---W---
INVERT ELEVATION	IE
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE

DESIGN NOTES:

- CONNECT TO EXISTING WATER STUB.
- INSTALL 2" WATER METER PER CITY STANDARD DRAWING. SEE SHEET C-5 FOR DETAILS.
- INSTALL 2" POLY WATER LINE PER CITY STANDARDS.
- END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO EXISTING SEWER STUB PER CITY STANDARDS. SEE SHEET C-5 FOR DETAILS. CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO ANY CONSTRUCTION.
- INSTALL 6"Ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE.
- INSTALL 6" CLEANOUT.
- INSTALL 48" SANITARY SEWER SAMPLING MANHOLE PER APWA PLAN 411. SEE SHEET C-5 FOR DETAILS.
RIM=6440.30
IE=6433.76
OUT=6433.68
- INSTALL 1500 GAL. GREASE INTERCEPTOR/RECLAIM TANKS. INSTALL 3" OF 6"Ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE BETWEEN TANKS. COORDINATE WITH PLUMBING PLANS FOR DETAILS.

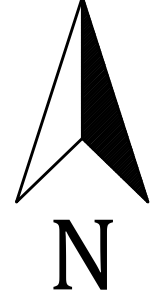
GENERAL NOTES:

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- SEE GRADING AND DRAINAGE PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
- ALL WORK TO BE ACCORDING TO CITY STANDARDS.

PRIVATE UTILITIES

CONTRACTOR TO CONTACT THE FOLLOWING COMPANIES PRIOR TO ANY CONSTRUCTION. EXACT LOCATION OF THESE UTILITIES TO BE DESIGNED AND COORDINATED BY THE FOLLOWING COMPANIES.

DOMINION ENERGY – 801-853-6597
ROCKY MOUNTAIN POWER – 801-756-1310
CENTURY LINK – 801-536-6975

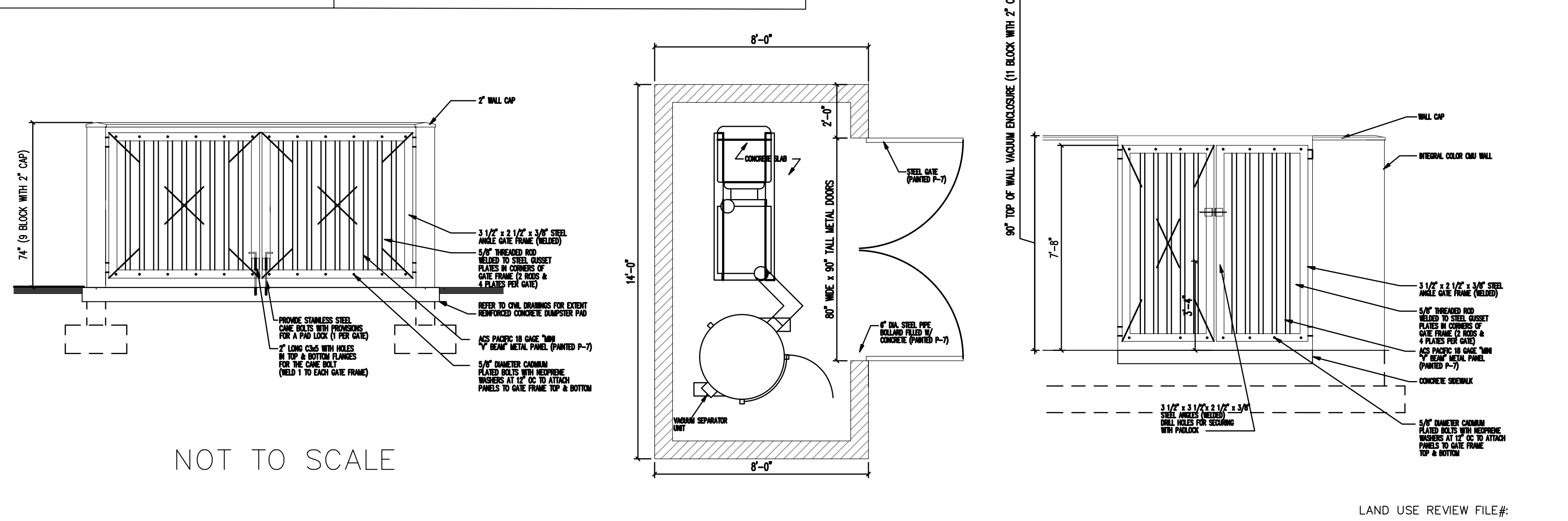
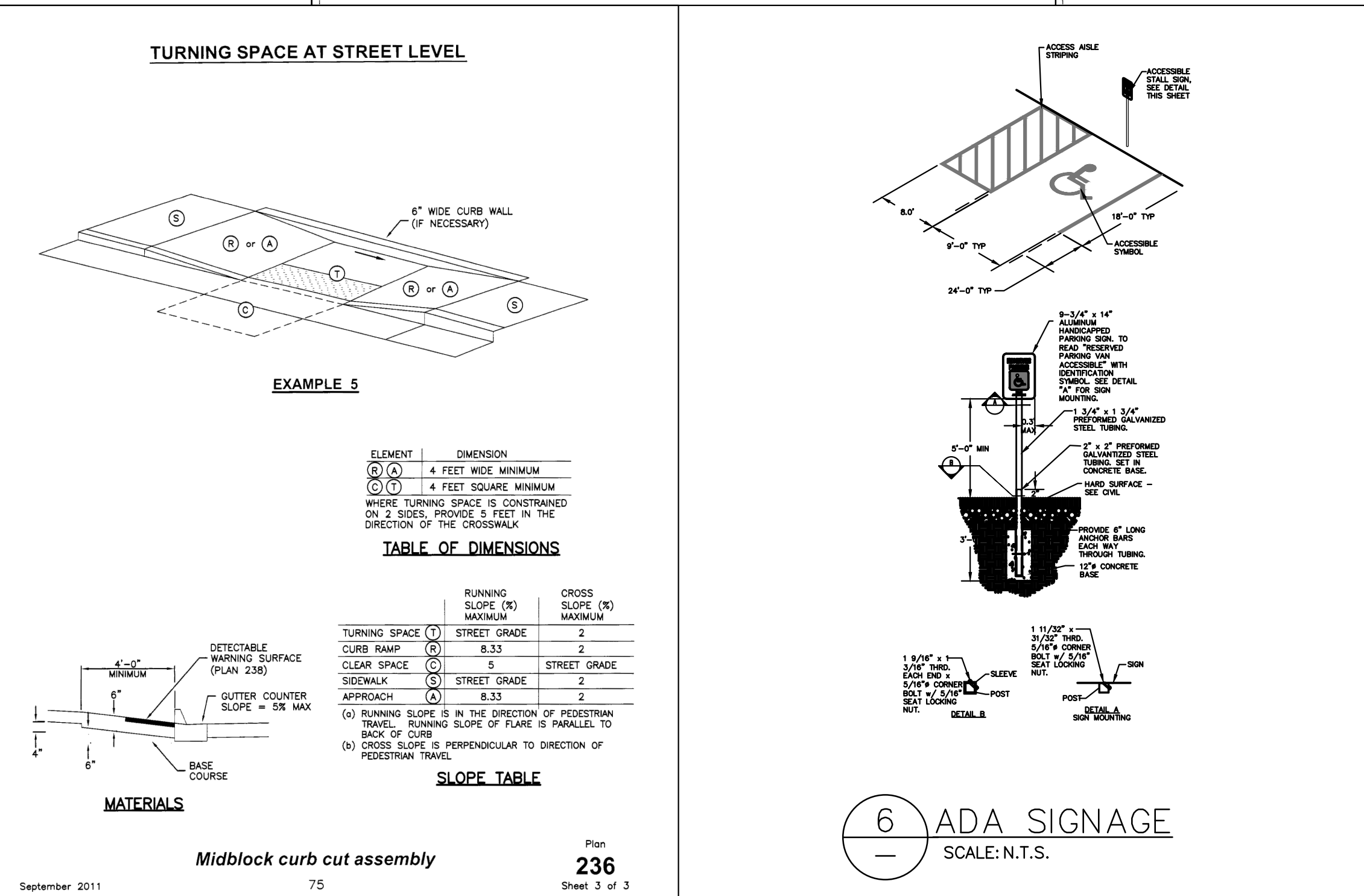
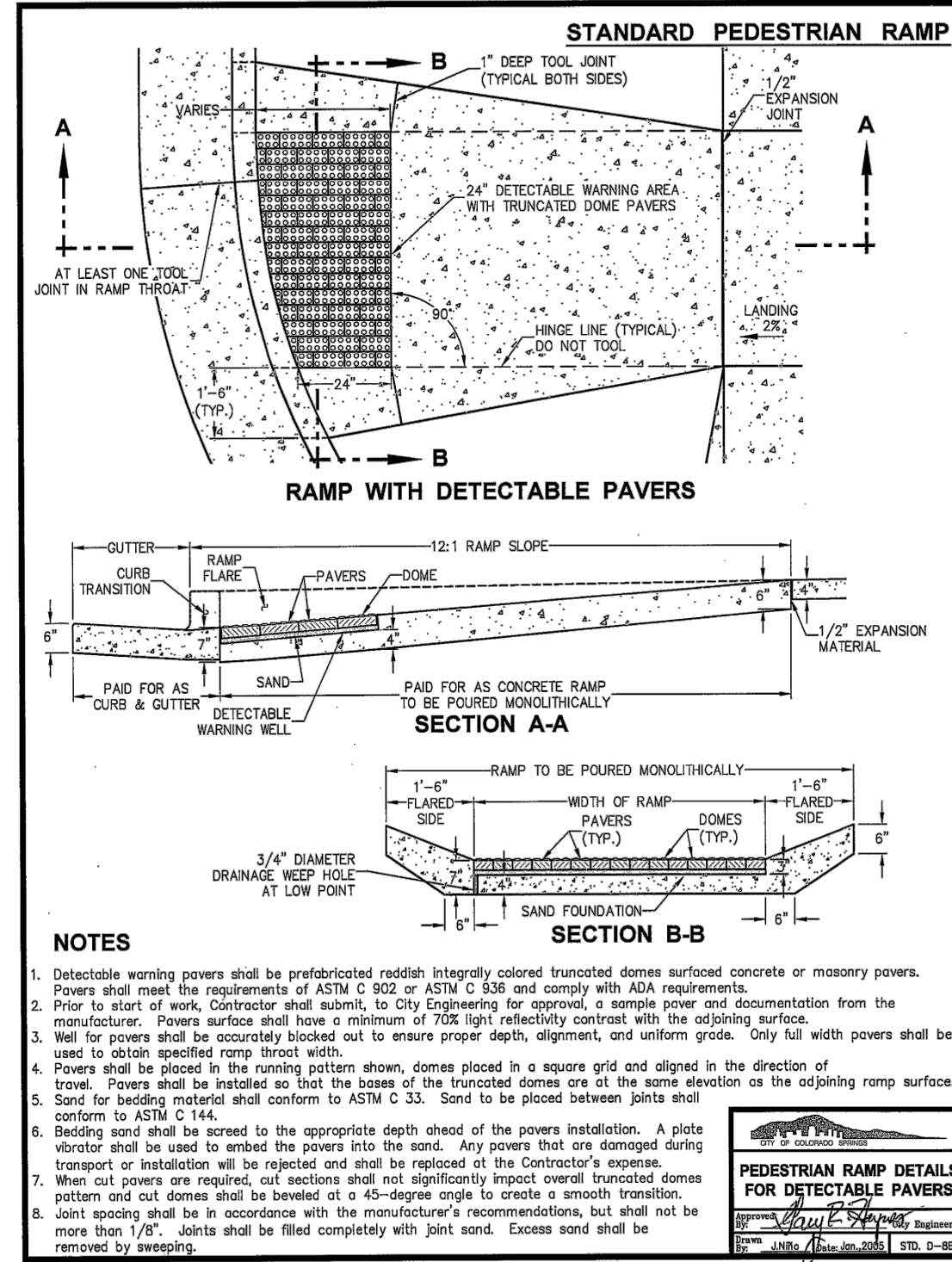
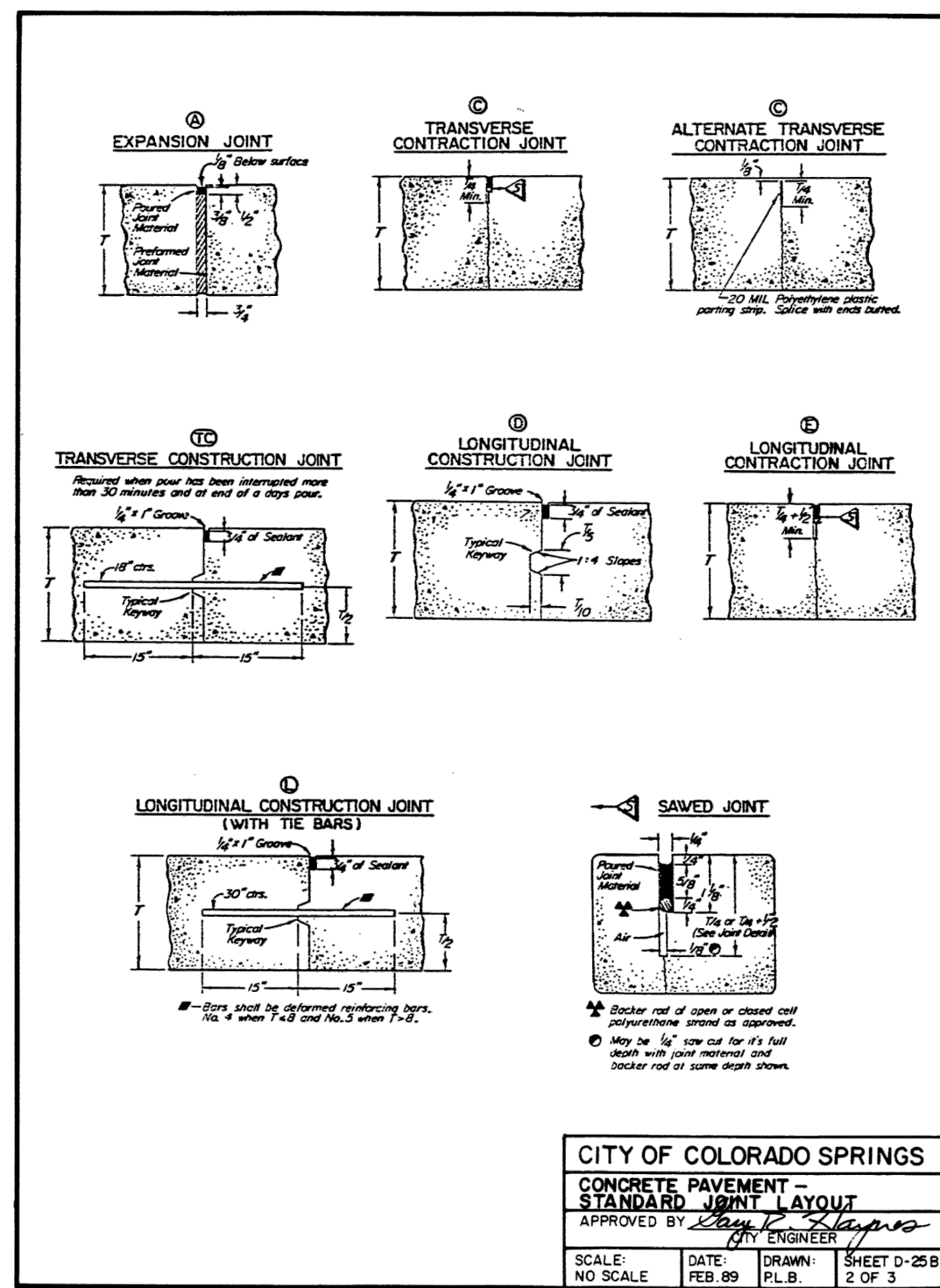


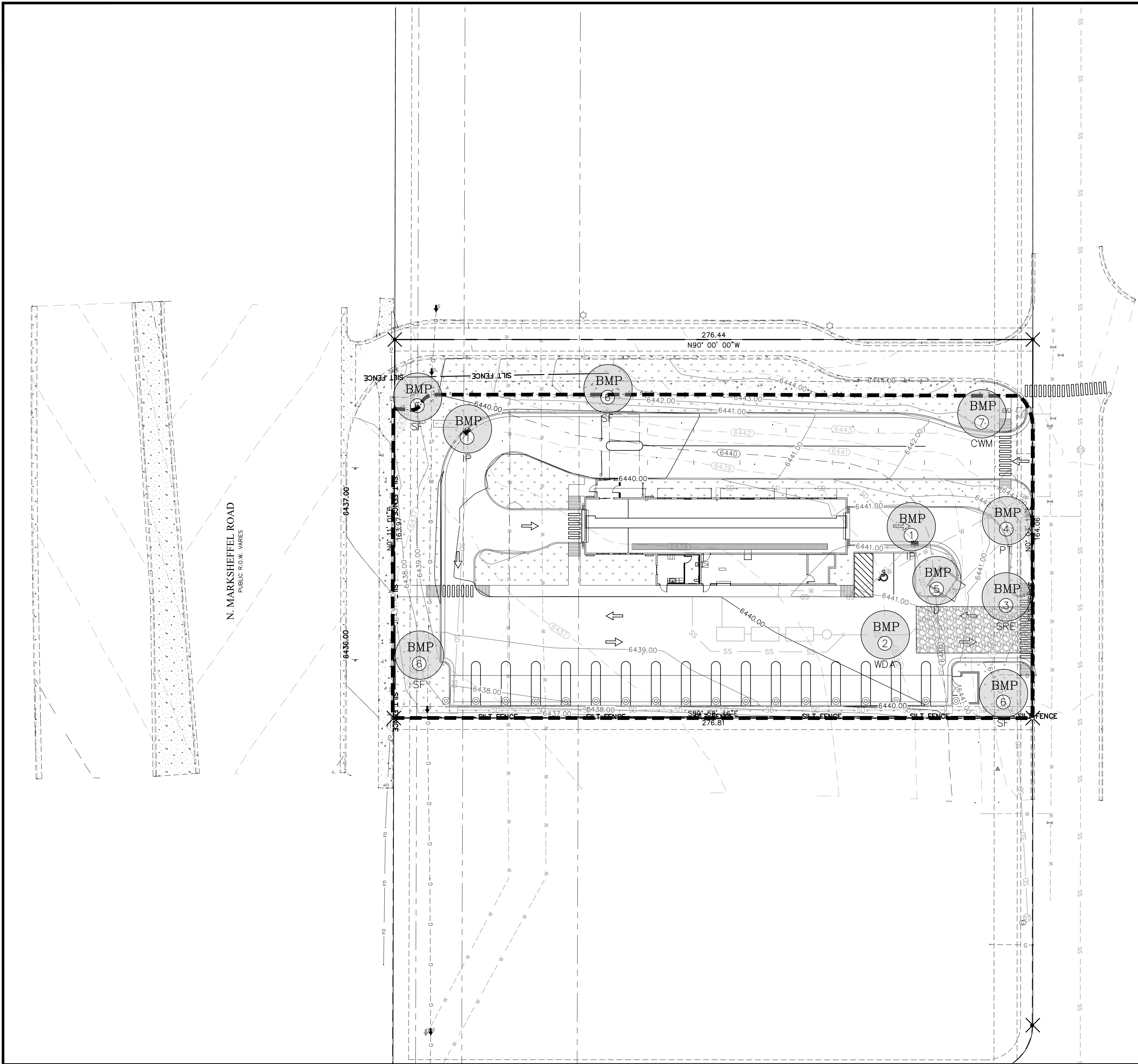
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QUICK QUACK CONSTITUTION
UTILITY PLAN
2437 MARKSHEFFEL ROAD COLORADO SPRINGS, CO 80951

SHEET:
C-3
DATE:
Jan 31, 2019

PROJECT ENGINEER: LP
DESIGNER: DL

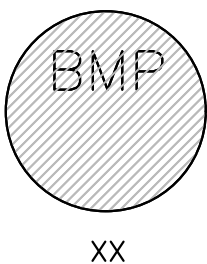




LEGEND

- PROPERTY/ROW LINE
EXISTING CURB AND GUTTER
PROPOSED CURB AND GUTTER
PROPOSED STORM DRAIN LINE
EXISTING STORM DRAIN LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING CONTOUR LINE
FINISHED CONTOUR LINE
EXISTING FENCE
SILT FENCE
CLEAN OUT BOX
LIMITS OF DISTURBANCE (LOD)

BEST MANAGEMENT PRACTICE
SEE BEST MANAGEMENT PRACTICE
INDEX AND SHEET C-7
FOR DETAILS.



- NOTES:
- DURING CONSTRUCTION
1. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED AND MAINTAINED REGULARLY (ONCE A WEEK) AND AFTER EVERY STORM EVENT
 2. LAND DISTURBANCE SHALL BE KEPT TO MINIMUM TO CONTROL RUNOFF FROM THE SITE
 3. LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE
 4. STAGED SEEDING TO RE-VEGETATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS
 5. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION
 6. MAINTENANCE OF STREET: STREETS TO BE KEPT CLEAN AND FREE FROM DEBRIS.
 7. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.
 8. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON THE SITE DURING ALL CONSTRUCTION ACTIVITY

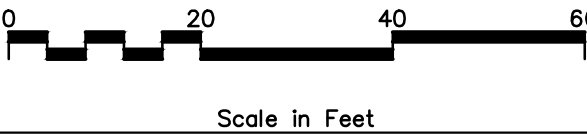
POST CONSTRUCTION
SEE SHEET C-7

BEST MANAGEMENT PRACTICE INDEX

- | | | |
|---|-----|--------------------------------------|
| 1 | IP | INLET PROTECTION |
| 2 | WDA | EQUIPMENT AND VEHICLE WASH DOWN AREA |
| 3 | SRE | STABILIZED ROADWAY ENTRANCE |
| 4 | PT | PORTABLE TOILET |
| 5 | D | DUMPSTER LOCATION |
| 6 | SF | SILT FENCE |
| 7 | CWM | CONCRETE WASTE MANAGEMENT |

ADDITIONAL BMP's TO BE ONSITE:
• SPILL CLEANUP
• VEHICLE & EQUIPMENT FUELING

SEE SHEET C-7 FOR BMP DETAILS



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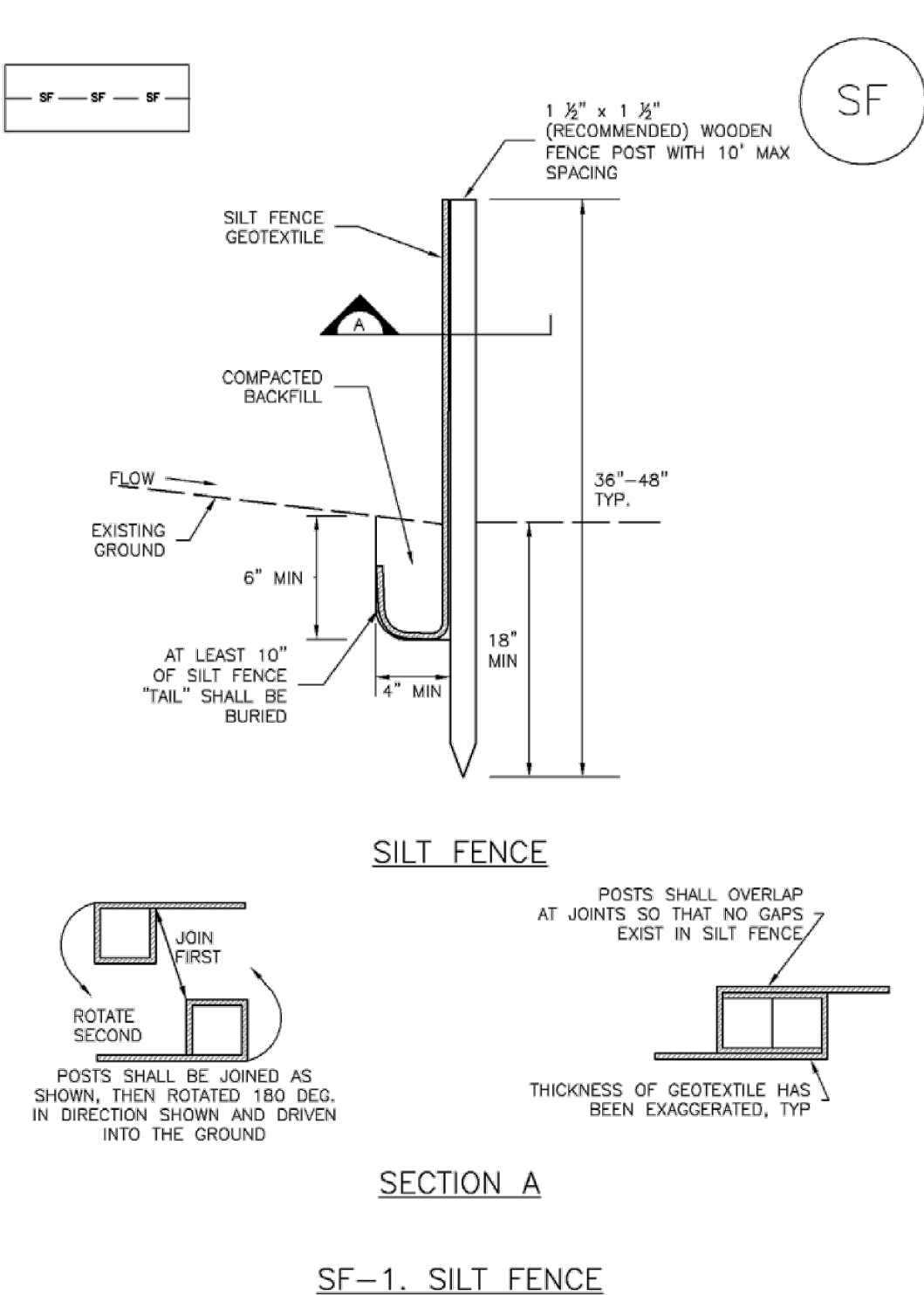
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SWPPP PLAN
2437 MARKSHEFFEL ROAD COLORADO SPRINGS, CO 80951



SHEET:
C-6
DATE:
Jan 31, 2019

Silt Fence (SF)

SC-1



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

SC-1

Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

1. 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDS AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

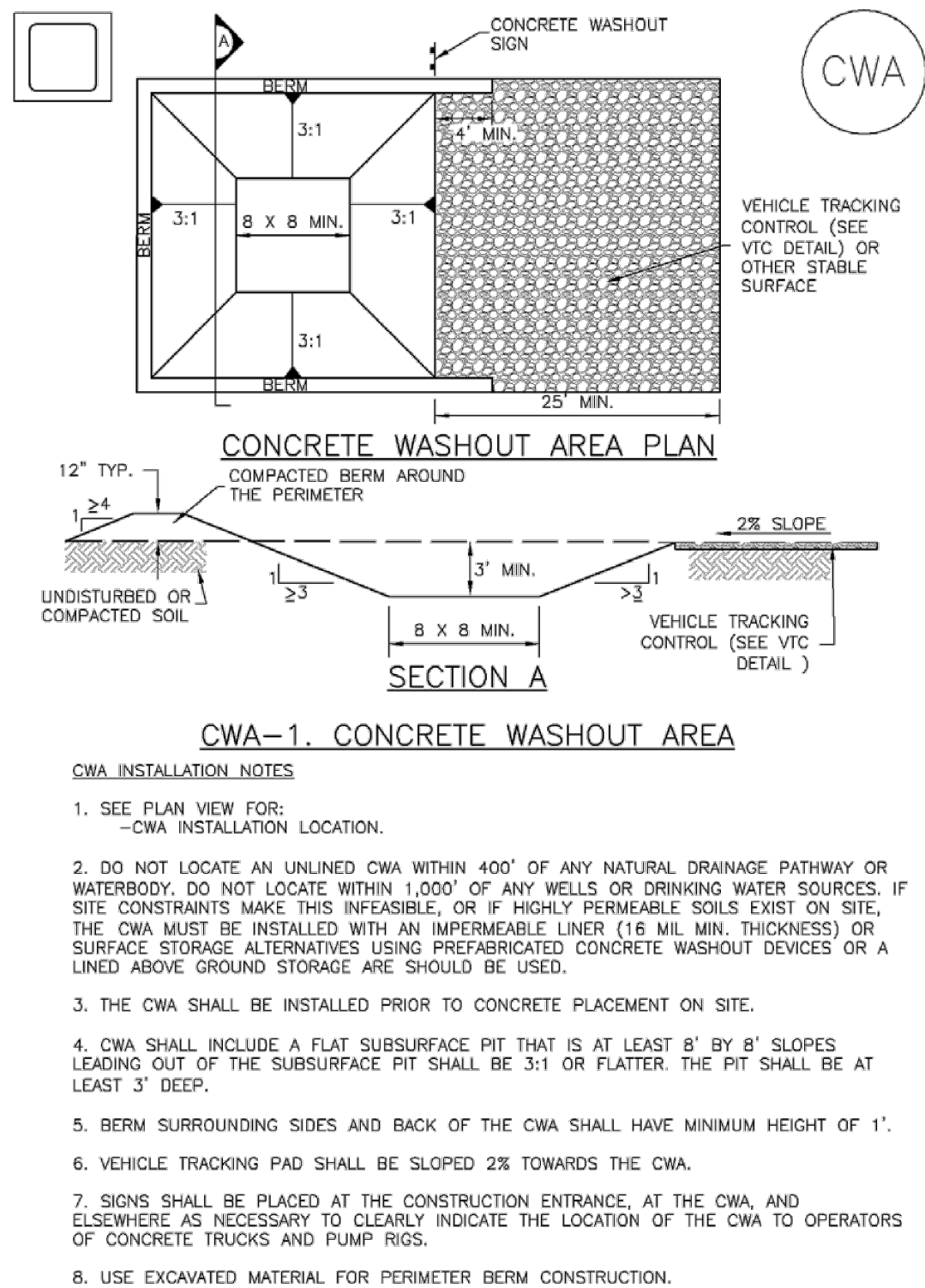
(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

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.

SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Concrete Washout Area (CWA)

MM-1



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

MM-1

Concrete Washout Area (CWA)

CWA MAINTENANCE NOTES

1. 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A TIGHT CONTAINER AND DISPOSED OF PROPERLY.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

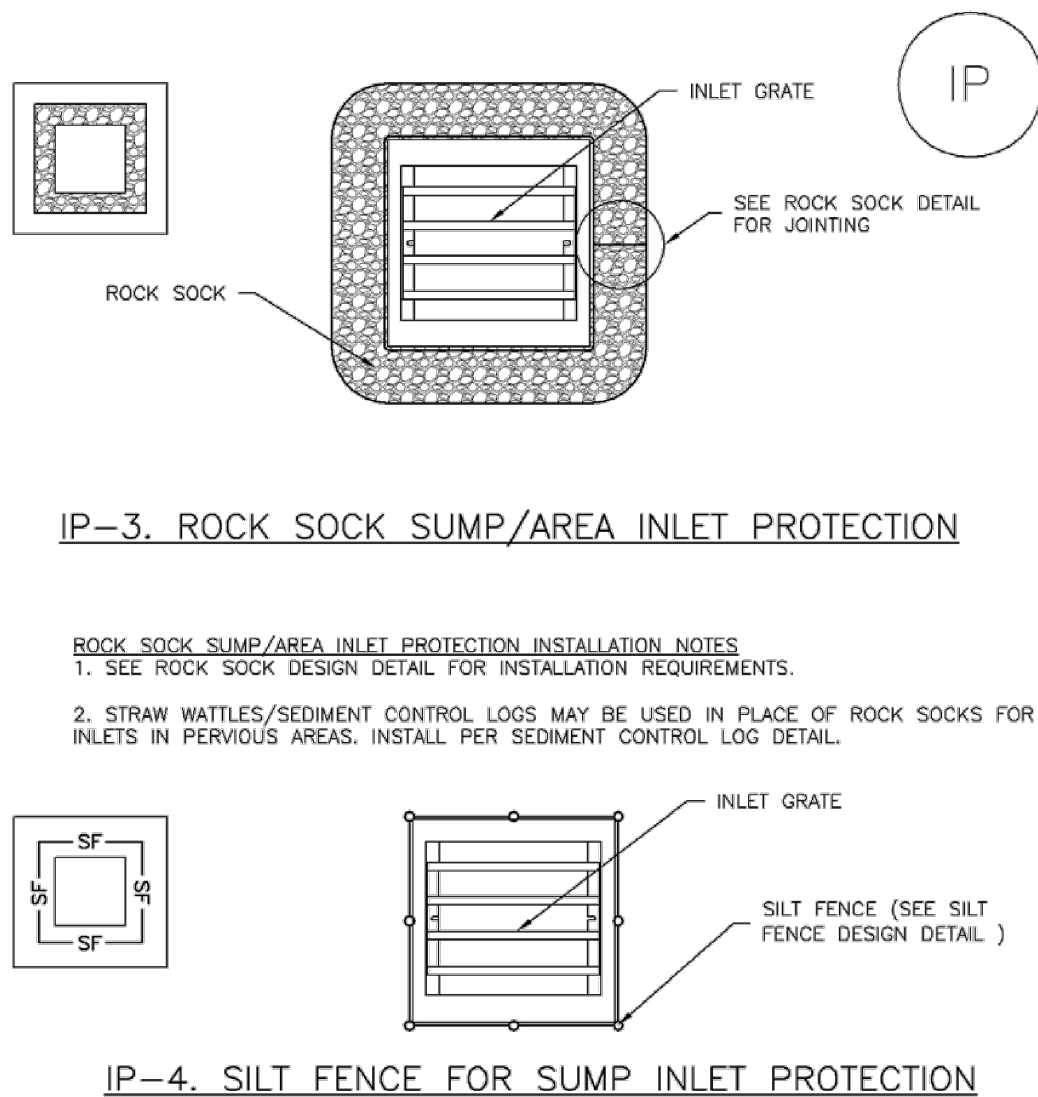
(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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.

CWA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Inlet Protection (IP)

SC-6



IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.
3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

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SC-6

Inlet Protection (IP)

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF INLET PROTECTION.
 - TYPE OF INLET PROTECTION (IP-1, IP-2, IP-3, IP-4, IP-5, IP-6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
3. 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.

INLET PROTECTION MAINTENANCE NOTES

1. 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.
5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDS AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

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

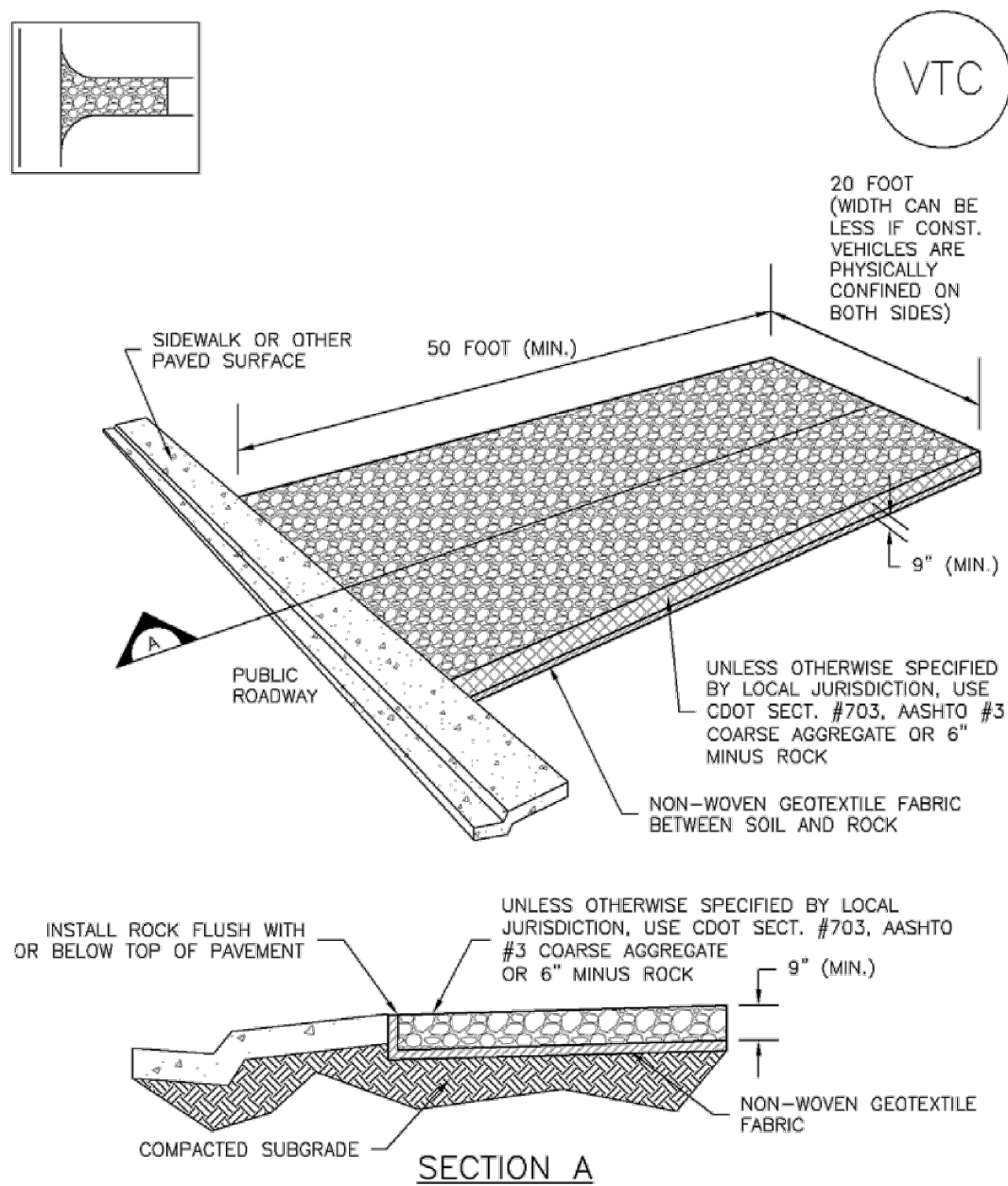
NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION. HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWPP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

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Vehicle Tracking Control (VTC)

SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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SM-4

Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. 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).
2. 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.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. 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

1. 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REPLACED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
5. 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)

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Jan 31, 2019

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