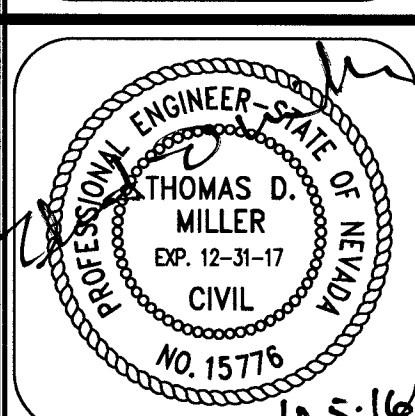
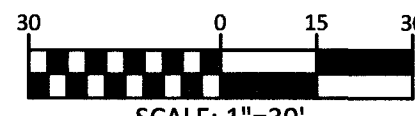


COLLINS ENGINEERS
3130 S. DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
WWW.COLLINSENGR.COM



IMPROVEMENT PLANS FOR DC PLAZA
APN:125-17-601-007,010,013,020 AND 021
STORM DRAIN PLAN & PROFILE
STA. 16+00.00 TO 20+54.95
8451 FARM ROAD
LAS VEGAS, NEVADA

GRAPHIC SCALE



BASIS OF BEARING

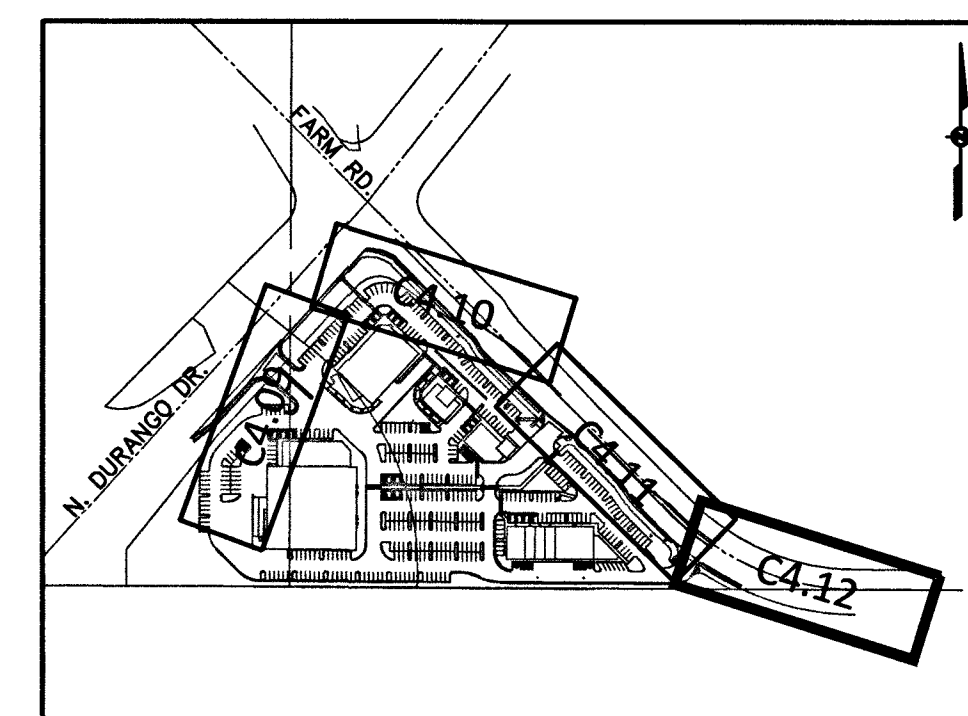
SOUTH 00°06'57" WEST, BEING THE WEST LINE OF THE GOVERNMENT LOT 11, LYING WITHIN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN BOOK 140, PAGE 12 OF PLATS IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCHMARK

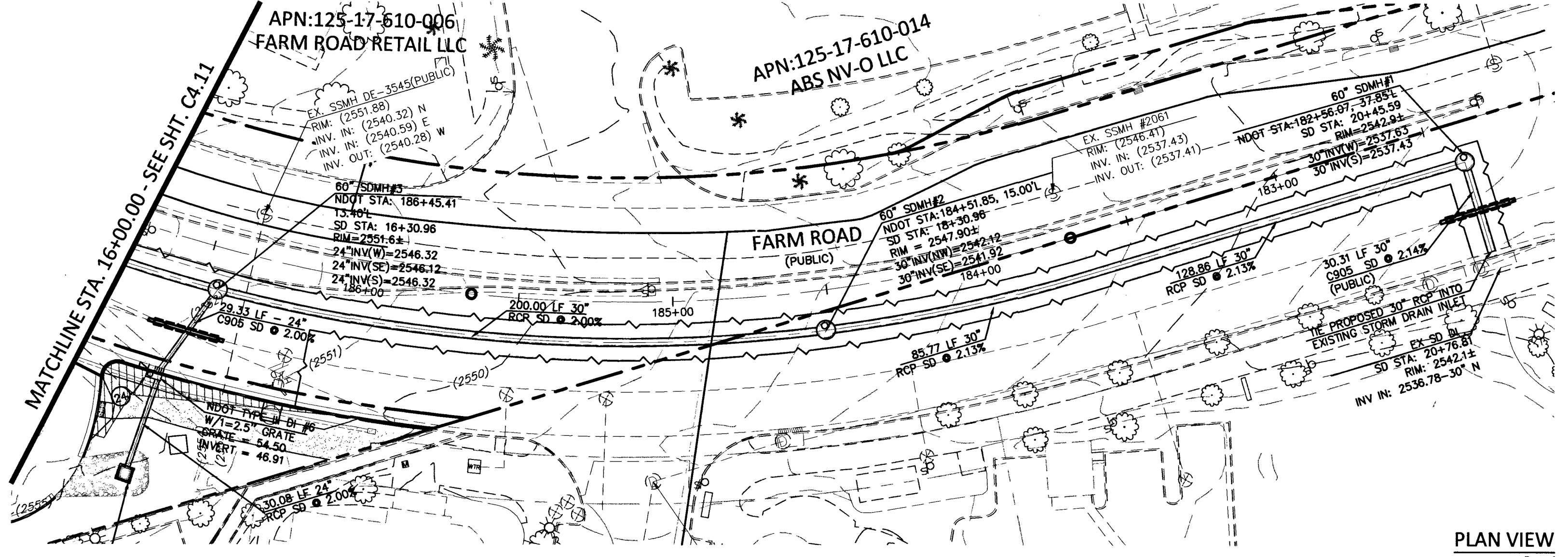
CITY OF LAS VEGAS BENCHMARK # 5LV90 1756

A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF OSO BLANCA ROAD AND DURANGO DRIVE.

NAVD 88 ELEVATION = 798.4331 METERS / 2619.53 FEET
NORTH AMERICAN DATUM OF 1988



KEY MAP
NTS



PLAN VIEW
SCALE: 1"=30'

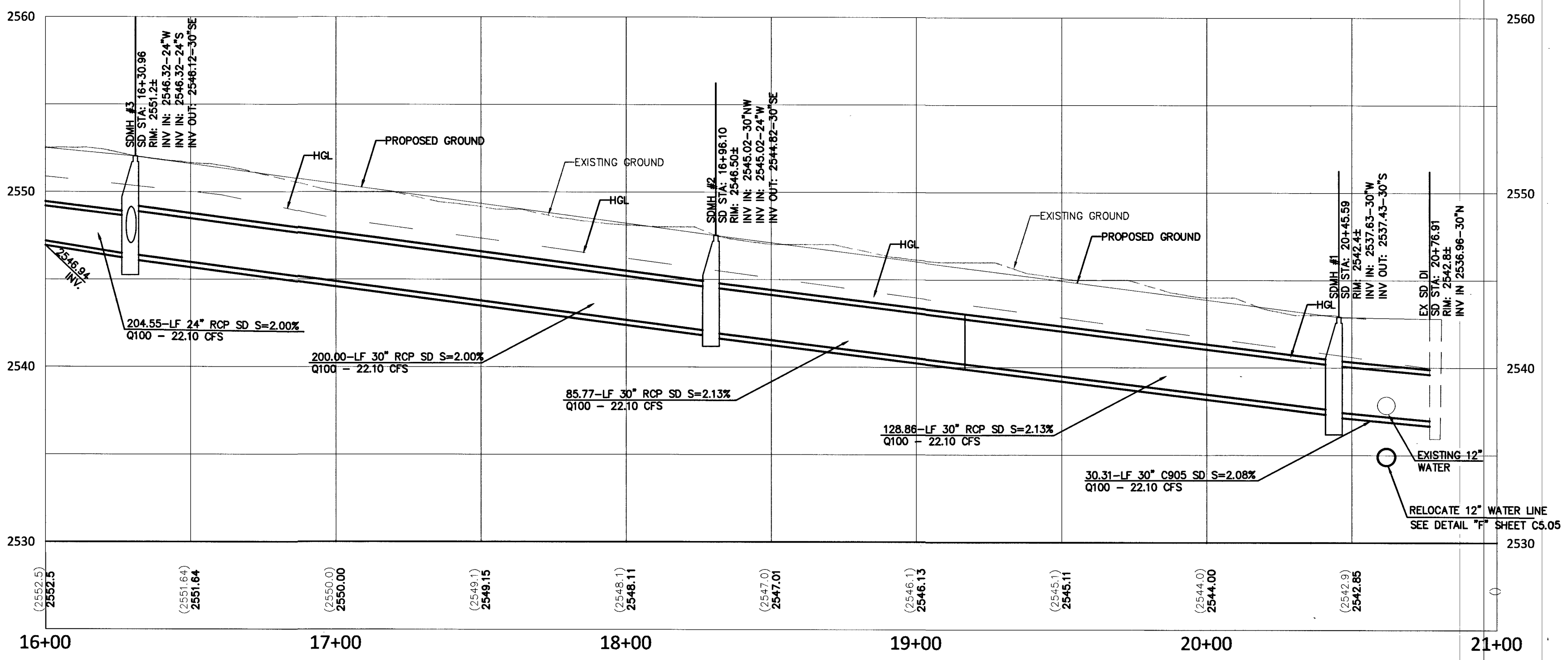
NDOT PERMIT REQUIRED FOR WORK IN NDOT R/W.

NOTE

STORM SEWER TWENTY FOUR(24) INCHES IN DIAMETER OR GREATER MAY BE INSTALLED WITH WATERTIGHT JOINTS USING AGENCY APPROVED INTERNAL ELASTOMERIC JOINT SEALANT, IN COMPLIANCE WITH ASTM C920, OR JOINT GASKETS, WITH PROVISIONS TO INSURE AGAINST DIFFERENTIAL SETTLEMENT OF THE STORM DRAIN.

AT MANHOLE INSTALLATION USE A WATERTIGHT GASKET BY A-LOK, KOR-N-SEAL OR APPROVED EQUAL.

MATCHLINE STA. 16+00.00 - SEE SHT. C4.11



PROFILE VIEW
H: 1"=30'
V: 1"=4'

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 10/24/16 PROJECT NO.: 124683
LYVWD APPROVED FLOW: 1575 GPM AT 20 PSI RESIDUAL
SHEETS: C1.01, C1.02, C4.05-C4.09, C4.10, C4.11, C4.12, C4.13, C5.01, C5.02, C5.03, C5.04, C5.05, C5.11, C5.12

NOTE:

ALL ONSITE STORM DRAIN SYSTEMS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE OWNERS/HOA.

FLOOD ZONE NOTE:

THE PROJECT SITE LIES WITHIN ZONE X AS PER FEMA FIRM PANEL 32003C1745E DATED NOVEMBER 16, 2011.

OFFSITE IMPROVEMENTS

SEE SHEETS C4.05-C4.08 FOR OFFSITE IMPROVEMENT PLANS.

ALL GRADING WORK SHALL BE IN STRICT ACCORDANCE WITH THE SOILS REPORT FOR THE SITE ENTITLED "PROPOSED COMMERCIAL DEVELOPMENT SOUTH CORNER OF DURANGO DR. AND FARM RD.

PROJECT NO.: 4125XD130, DATED DECEMBER 22, 2015

PREPARED BY:
WESTERN TECHNOLOGIES INC.
6633 WEST POST ROAD
LAS VEGAS, NV 89118
PHONE NO. (702) 798-8050
FAX NO. (702) 798-7664

ALL WORK SHALL BE PERFORMED UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL SOILS ENGINEER.

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE WITH THE CITY OF LAS VEGAS. DS# 4710A

THOMAS D. MILLER - 15776 10.5.16 DATE

CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

CALL BEFORE YOU DO UNDERGROUND WORK
CALL 1-702-432-5300

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD WORK
CALL 1-702-227-2929

COLLINS ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

- LEGEND**
- | | | | | | |
|----------|----------------|-----------------|------------------------|----------------------------|------------------|
| EXISTING | PROPOSED | EXISTING | PROPOSED | EXISTING | PROPOSED |
| (0.00%) | 0.00% SLOPE | PL-RIGHT-OF-WAY | PL-ADJACENT CENTERLINE | AC PAVEMENT | 6" TYPE "A" CURB |
| XX | ELEVATION TAG | EASEMENT LINE | FLOW LINE | 24" TYPE "A" CURB & GUTTER | 30" ROLL CURB |
| ⊙ | STORM MANHOLE | SIGN W/POLE | SAWCUT LINE | CONCRETE | |
| ⊙ | DROP INLET | | | | |
| --- | CONTOUR | | | | |
| --- | RETAINING WALL | | | | |
| --- | SCREEN WALL | | | | |

DESCRIPTION	
DESIGN BY	
DATE	
NO.	
C&I PROJECT:	4136
DESIGN BY:	JDM SR
DRAWN BY:	JDM SR
CHECKED BY:	TDM P.E.
DATE:	09/19/16
SCALE:	1"=30'
SHEET NUMBER	C4.12
SHEET 18 OF 46	
107V6734	H#64496