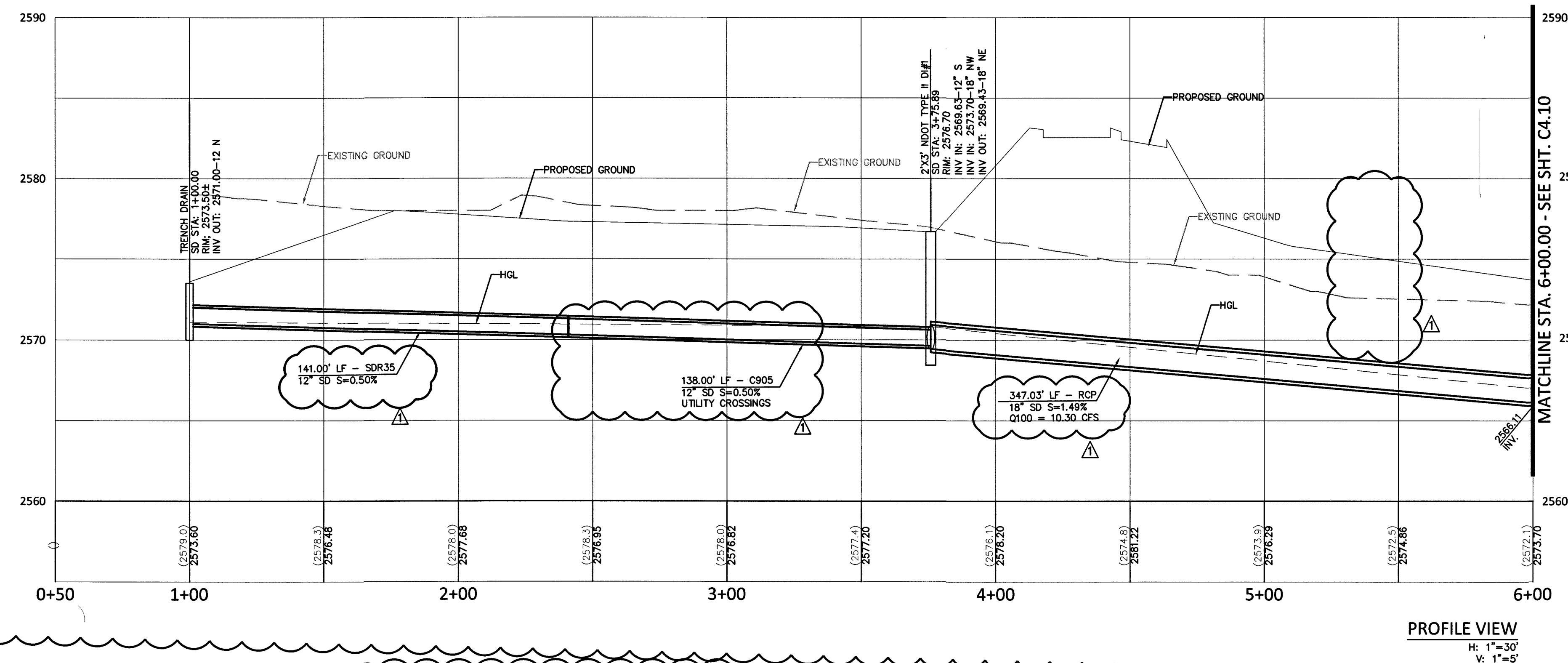




PAVING NOTES:	
A. PRIOR TO PLACING THE FIRST LIFT OF PLANTMIX THE AGGREGATE BASE SHALL BE PRIMED WITH CUTBACK ASPHALT, TYPE MC-70NY AT 0.28 GAL/YD2, OR AN APPROVED EQUAL FROM THE MOOT QPL APPLIED AT THE MANUFACTURERS RECOMMENDATION.	
B. ASPHALT FOR THE TACK COAT SHALL BE EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED) AT FOLLOWING APPLICATION RATES:	
I. TACK COLD MILLED SURFACE	0.10 GAL/SQYD
II. TACK BETWEEN DENSE GRADE LIFTS	0.06 GAL/SQYD
III. TACK OPEN GRADE TO DENSE GRADE	0.07 GAL/SQYD

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.



NDOT NOTE:
NDOT PERMIT REQUIRED. CONTRACTOR TO OBTAIN NDOT OCCUPANCY PERMIT
PRIOR TO CONSTRUCTION IN NDOT RIGHT OF WAY

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

Call
811
or
1-800-227-2600

FAST
Call before you
UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD WORK

1-702-227-2929

COLLINS ENGINEER 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. CONTRACTOR TO COORDINATE WITH WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

LEGEND

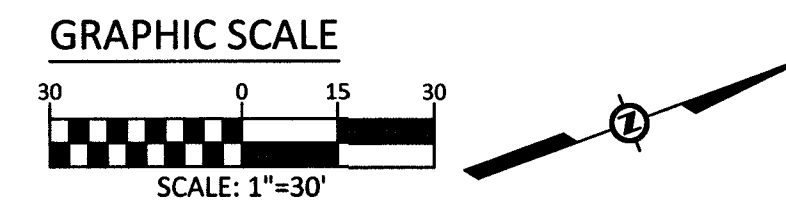
EXISTING	PROPOSED	
		ELEVATION TAG
		DRAIN INLET
		RETAINING WALL
		SCREEN WALL
		UTILITY POLE
		STREET LIGHT

EXISTING	PROPOSED	
--E--	--E--	POWER LINE/POLE
--T--	--T--	TELEPHONE LINE
--W--	--W--	WATER LINE
--SS--	--SS--	SANITARY SEWER LINE
--D--	--D--	STORM SEWER LINE
--G--	--G--	GAS LINE
(M)	(M)	STORM MANHOLE

EXISTING	PROPOSED	
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		WATER VALVE
		REDUCER
		SEWER MANHOLE
		CLEANOUT
		GAS VALVE

EXISTING	PROPOSED	
		PL—RIGHT-OF-WAY
		PL—ADJACENT
		CENTERLINE
		EASEMENT LINE
		FLOW LINE
		SIGN W/POLE
		SAWCUT LINE
		AREA LIGHT
		WATER METER

EXISTING	PROPOSED	
		AC PAVEMENT
		6" TYPE "A" CURB
		24" TYPE "L" CURB & GUTTER
		30" ROLL CURB
		BWV BACK WATER VALVE

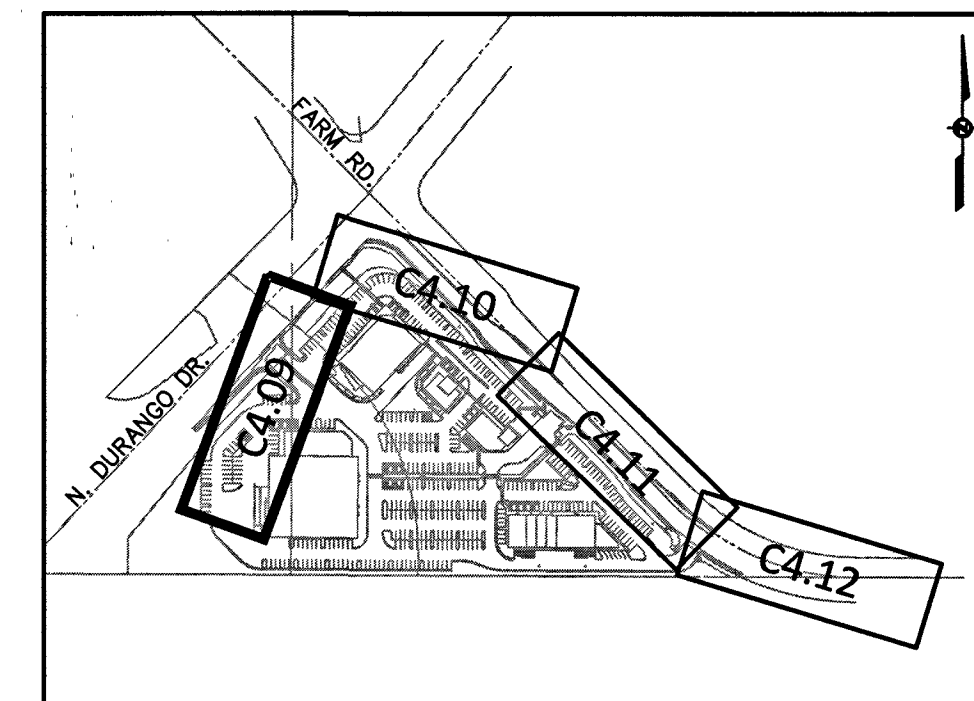


NORTH 00°00'50" WEST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN FILE 97, PAGE 01 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, SNOVA RECORDER'S OFFICE.

CITY OF LAS VEGAS BENCHMARK # 5LV90 16NWS

A RIVET AND PLATE IN THE TOP OF CURB EAST SIDE OF TULE SPRINGS ROAD
1/4 MILE SOUTH OF GRAND TETON DRIVE.

NAVD 88 ELEVATION = 774.403 METERS / 2540.69 FEET
NORTH AMERICAN DATUM OF 1988



KEY MAP
NTS

IMPROVEMENT PLANS FOR DC PLAZA

N:125-17-613-001
FORM DRAIN PLAN & PROFILE
STA. 1+00.00 TO 6+00.00

NO.		DATE	DESIGN BY	DESCRIPTION
Δ		3/13/17	APPO: JAM 5/15/17	PIPE LENGTHS AND TYPE
CEI PROJECT:				4136
DESIGN BY:			JDM SR	
DRAWN BY:			JDM SR	
CHECKED BY:			TDM P.E.	
DATE: 03/13/17				
SCALE: 1"=30'				
SHEET NUMBER				
C4.09				
SHEET 15 OF 45				
H # 64486				

**COLLINS
ENGINEERS[®]**
3130 S. DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
www.collinsengr.com

H:\CAD\LAND\4136-DELTA\DWG\SHEETS\4136-C4.09-PRE-D.DWG 04/27/2017 02:17:59 PM