GRAPHIC SCALE

30 0 15 30

SCALE: 1"=30'

BASIS OF BEARING

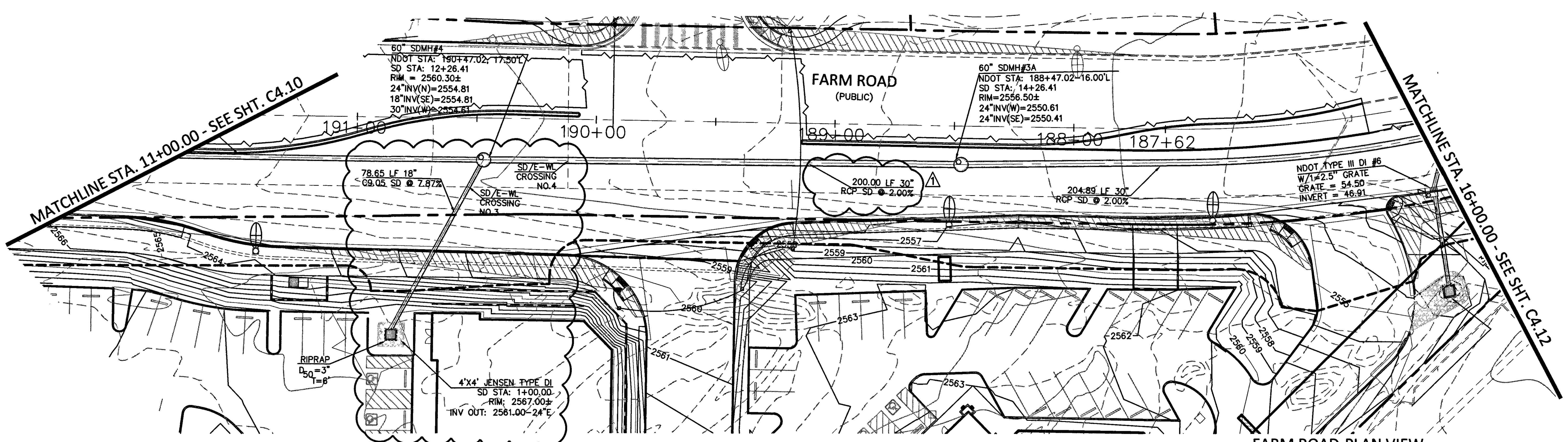
NORTH 00°00'50" WEST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN FILE 97, PAGE 01 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK

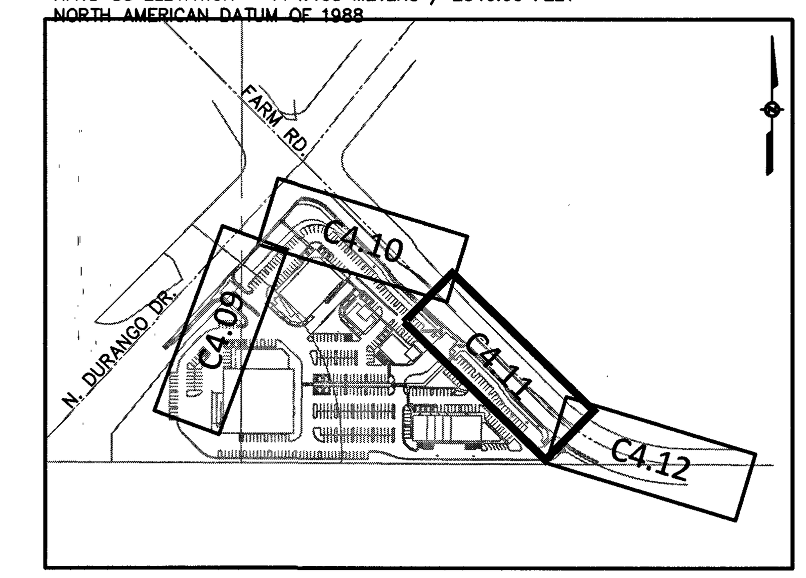
CITY OF LAS VEGAS BENCHMARK # 5LV90 16NWWS

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



FARM ROAD-PLAN VIEW
SCALE: 1"=30'



KEY MAP
NTS

PAVING NOTES:

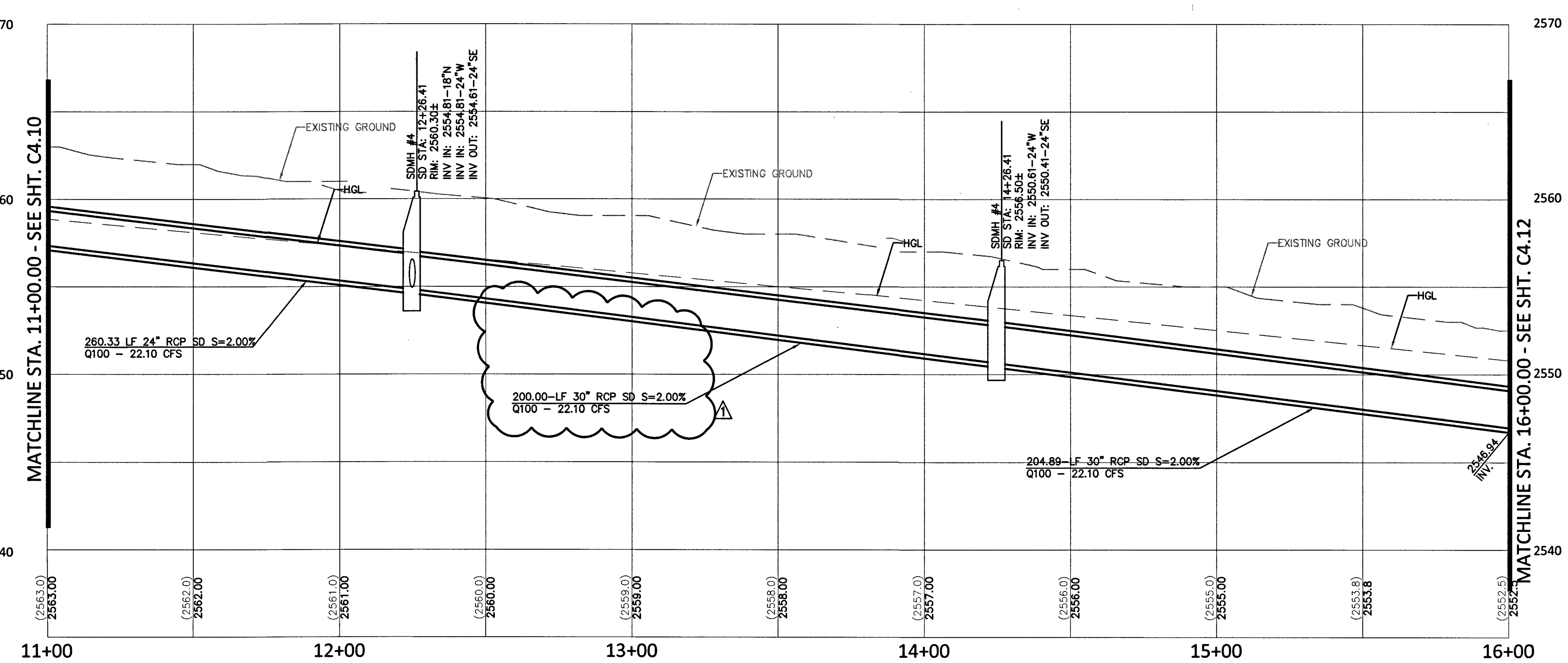
A. PRIOR TO PLACING THE FIRST LIFT OF PLANTMIX THE AGGREGATE BASE SHALLBE PRIMED WITH CUTBACK ASPHALT, TYPE MC-70NV AT 0.28 GAL/YD2, OR AN APPROVED EQUAL FROM THE NDOT QPL APPLIED AT THE MANUFACTURES RECOMMENDATION.
B. EMULSIFIED ASPHALT FOR THE TACK COAT SHALL BE EMULSIFIED ASPHANLT, TYPE SS-1H (DILUTED) 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

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.



PROFILE VIEW
H: 1"=30'
V: 1"=5'

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 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
(0.00) XXX / 0.00 XXX — ELEVATION TAG
DRAIN INLET
RETAINING WALL
SCREEN WALL
UTILITY POLE
STREET LIGHT
—E— POWER LINE/POLE
—T— TELEPHONE LINE
—W— WATER LINE
—SS— SANITARY SEWER LINE
—D— STORM SEWER LINE
—G— GAS LINE
STORM MANHOLE
FIRE HYDRANT
FIRE DEPARTMENT CONNECTION
WATER VALVE
REDUCER
SEWER MANHOLE
CLEANOUT
GAS VALVE
PL-RIGHT-OF-WAY
PL-ADJACENT
CENTERLINE
EASEMENT LINE
FLOW LINE
SIGN W/POLE
SAWCUT LINE
AREA LIGHT
WATER METER
AC PAVEMENT
6" TYPE "A" CURB
24" TYPE "L" CURB & GUTTER
30" ROLL CURB
BWV BACK WATER VALVE

1st Submittal 10/24/16 APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 5/3/17 PROJECT NO: 124663
LVVWD APPROVED FIRE FLOW 1875 GPM AT 20 PSI RESIDUAL
SHEETS: C1.01, C1.02, C4.05, C4.06, C4.07, C4.09, C4.10, C4.11, C4.12, C4.13, C5.01, C5.02, C5.03, C5.04, (C5.11, C5.12 NDOT).

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 IMPROVMENTS

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 DATE 5-1-017
107V6734

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

PROFESSIONAL ENGINEER - STATE OF NEVADA
THOMAS D. MILLER
EXP. 12-31-17
CIVIL
NO. 15776
5-1-17

IMPROVEMENT PLANS FOR DC PLAZA

APN:125-17-613-001

STORM DRAIN PLAN & PROFILE
STA. 11+00.00 TO 16+00.00

8451 FARM ROAD
LAS VEGAS, NEVADA

NO.	DATE	DESIGN BY	DESCRIPTION
1	3/13/17	APPD: JM 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
C4.11
SHEET 17 OF 45
H # 64486