

MATCHLINE - SEE SHEET C15 FOR CONTINUATION

DURANGO  
DRIVE (Paved) (BY  
OTHERS)

CONTRACTOR TO COORDINATE WITH  
DURANGO DRIVE (Paved) PROJECT  
(NEARLY TO LAS VEGAS DRIVE)  
CLV #107-10756

WASHINGTON/BUFFALO  
PARK PHASE 1B  
BY STANTEC

#### CONSTRUCTION NOTES:

- 1) CONSTRUCT AC PAVEMENT PER DETAIL, SHEET C20
- 2) CONSTRUCT 24" 'L' TYPE CURB & GUTTER PER STD. DWG. #216
- 3) CONSTRUCT 24" 'L' TYPE CURB & GUTTER WITH 0" CURB FACE
- 4) CONSTRUCT CONCRETE SIDEWALK (THICKNESS PER LANDSCAPE PLANS) PER STD. DWG. #234 WITH 6" THICK TYPE II AGGREGATE BASE
- 5) CONSTRUCT CURB/PAVEMENT TRANSITION PER DETAIL, SEE SHEET C20
- 6) CONSTRUCT MOW CURB PER LANDSCAPE PLANS
- 7) CONSTRUCT REMOVABLE BOLLARD PER LANDSCAPE PLANS
- 8) CONSTRUCT TRASH ENCLOSURE PER LANDSCAPE PLANS
- 9) CONSTRUCT LANDSCAPE AREA PER LANDSCAPE PLANS
- 10) CONSTRUCT FENCE PER LANDSCAPE PLANS
- 11) CONSTRUCT TENNIS COURT SURFACE PER LANDSCAPE PLANS
- 12) CONSTRUCT TENNIS COURT APPURTENANCES PER LANDSCAPE PLANS
- 13) CONSTRUCT BLOCK SCREEN WALL PER LANDSCAPE PLANS
- 14) CONSTRUCT SHADE RAMADA POLE PER STRUCTURAL PLANS
- 15) CONSTRUCT CONCRETE RETAINING WALL PER STRUCTURAL PLANS
- 16) CONSTRUCT CONCRETE SEATING WALL PER STRUCTURAL PLANS
- 17) CONSTRUCT CONCRETE BRIDGE PER STRUCTURAL PLANS

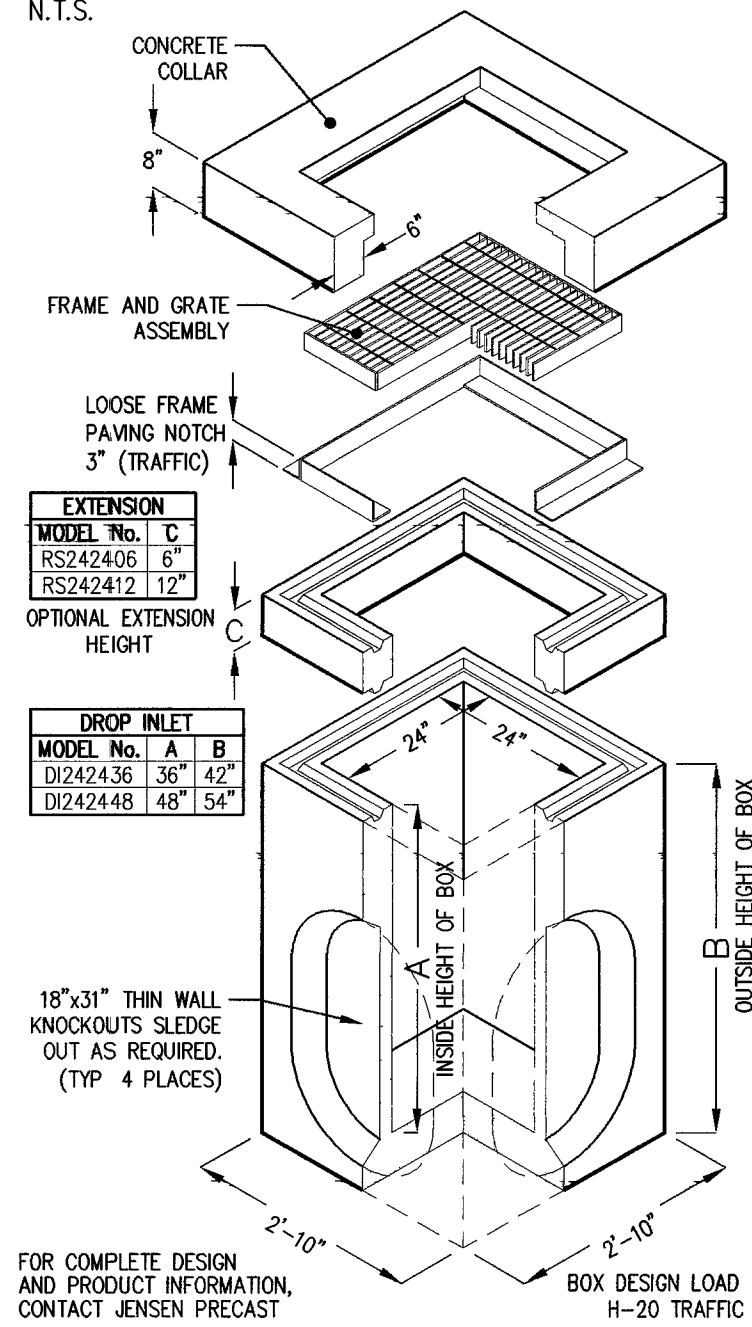
#### STORM DRAIN CONSTRUCTION NOTES:

- 1) INSTALL 48" TYPE I MANHOLE PER STD. DWG. #403
- 2) INSTALL 24" x 24" DROP INLET PER DETAIL 'A' ON SHEET C20
- 3) INSTALL 24" x 24" DROP INLET PER DETAIL 'B' ON SHEET C20
- 4) INSTALL 12" STORM DRAIN CLEANOUT PER DETAIL, SEE SHEET C20
- 5) INSTALL 12" HDPE 45° BEND
- 6) INSTALL 12" x 8" HDPE WYE
- 7) INSTALL 8" HDPE WYE
- 8) INSTALL 24"x24"x24" DROP INLET PER DETAIL, SEE SHEET C15
- 9) INSTALL 24"x24"x36"/48" DROP INLET PER DETAIL, THIS SHEET

#### CATCH BASIN ELEVATION CHART

| BASIN # | GRATE ELEV. | INV. ELEV. | BASIN # | GRATE ELEV. | INV. ELEV. |
|---------|-------------|------------|---------|-------------|------------|
| 1       | 94.98       | 92.73      | 12      | 90.25       | 79.00      |
| 2       | 93.71       | 91.46      | 13      | 92.94       | 90.69      |
| 3       | 91.41       | 89.16      | 14      | 92.40       | 90.15      |
| 4       | 92.50       | 90.25      | 15      | 91.74       | 89.49      |
| 5       | 90.79       | 88.54      | 16      | 93.76       | 86.51      |
| 6       | 93.78       | 88.53      | 17      | 90.78       | 88.53      |
| 7       | 90.36       | 86.11      | 18      | 90.69       | 73.03      |
| 8       | 90.01       | 87.79      | 19      | 90.19       | 87.44      |
| 9       | 92.75       | 90.50      |         |             | 72.57      |
| 10      | 92.71       | 86.46      |         |             | 87.94      |
| 11      | 91.17       | 84.92      |         |             |            |

#### 24"x24"x36"/48" DROP INLET

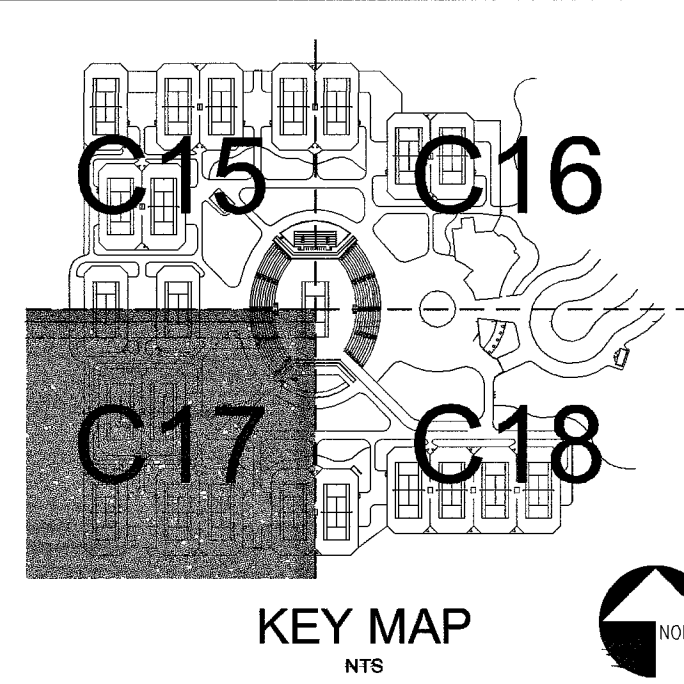


GRAPHIC SCALE



( IN FEET )

1 inch = 20 ft.



#### BASIS OF BEARING

NORTH 88°57'21" EAST BEING THE BASIS OF BEARINGS OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SE 1/4) OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 63 OF SURVEYS, AT PAGE 19

#### BENCHMARK

CITY OF LAS VEGAS BENCHMARK STAMPED 01V00 21SW5  
RIVET & PLATE IN TOP OF CURB ON NORTH SIDE OF VEGAS @ DURANGO  
ELEVATION = 785.635 Meters (NAVD88)  
ELEVATION = 2577.63 U.S. Survey Feet (NAVD88)

Avoid cutting underground  
utility lines. It's costly.  
**Call before you Dig**  
1-800-227-2600  
UNDERGROUND SERVICE ALERT (U.S.A.)

Avoid overhead power  
line contact.  
**Call before you OVERHEAD**  
1-702-227-2929  
NEVADA POWER ENVIRONMENT &  
SAFETY SERVICES DEPARTMENT

#### NOTICE

Use of the information contained in this instrument for other than the specific purpose for which it was intended and for other than the client for whom it was prepared is forbidden unless expressly permitted in writing in advance by STANTEC CONSULTING, INC. shall have no liability to any use of this information without their written consent.

#### NOTE TO CONTRACTOR:

STANTEC CONSULTING, INC. HAS ENDEAVORED TO PROVIDE ACCURATE UTILITY INFORMATION BASED ON THE MOST CURRENT DATA AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS WITH RESPECT TO LINE AND GRADE PRIOR TO CONSTRUCTION.

#### ADA NOTE

ALL SIDEWALKS AND HANDICAP ACCESS RAMPS SHALL MEET ADA REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN DESIGN INFORMATION AND ADA REQUIREMENTS PRIOR TO CONSTRUCTION.

#### ENGINEER'S NOTES:

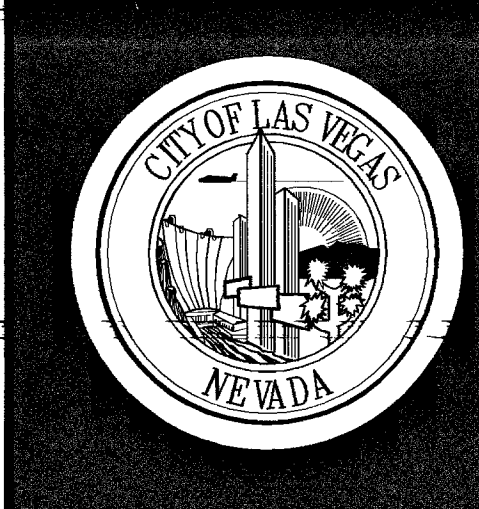
- 1) CONTRACTOR TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION
- 2) CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
- 3) SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION
- 4) SEE SHEET C20 FOR ONSITE PAVEMENT SECTION. CONTRACTOR TO VERIFY WITH SOILS REPORT.
- 5) THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES
- 6) ALL WORK SHALL CONFORM WITH THE SOILS REPORT PREPARED BY STANTEC CONSULTING, INC. PROJECT NO. 81200186, DATED APRIL 14, 2003
- 7) USE CATCH BASIN ELEVATION CHART, THIS SHEET, FOR DETERMINING GRATE AND INVERT ELEVATIONS. SEE SHEET C19 FOR DESIGN INFORMATION IN CHAMPIONSHIP COURT. SEE SHEET C20 FOR CATCH BASIN SCHEDULE AND STORM DRAIN DETAILS
- 8) SEE ARCHITECT'S PLANS FOR ADDITIONAL HANDICAP ACCESSIBILITY INFORMATION AND DETAILS
- 9) NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.

#### ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS PROJECT ON FILE WITH THE CITY OF LAS VEGAS.

BRIAN D. RINDINGER, P.E. #12309

DATE



REVISIONS

CONSULTANT

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LAS VEGAS, NEVADA 89117

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FAX (702) 869-8547

STANTEC

WASHINGTON BUFFALO PARK - PHASE 1A

WASHINGTON & BUFFALO, LAS VEGAS, NV

GRADING PLAN

(SOUTHWEST)

OWNER: CITY OF LAS VEGAS

DEPARTMENT OF PUBLIC WORKS

ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE

LAS VEGAS, NEVADA 89101

PHONE: (702) 225-5535

FAX: (702) 382-3232

TDD: (702) 386-9108

DRAWN: M. GRIMES

FILE: Grading Plan/duag

DATE: 1/03

SCALE: 1" = 20'-0"

REV NO: 03.1341.08

CLV DWG NO: 652716-1A

SHT NO: 100% SUBMITTAL

C17