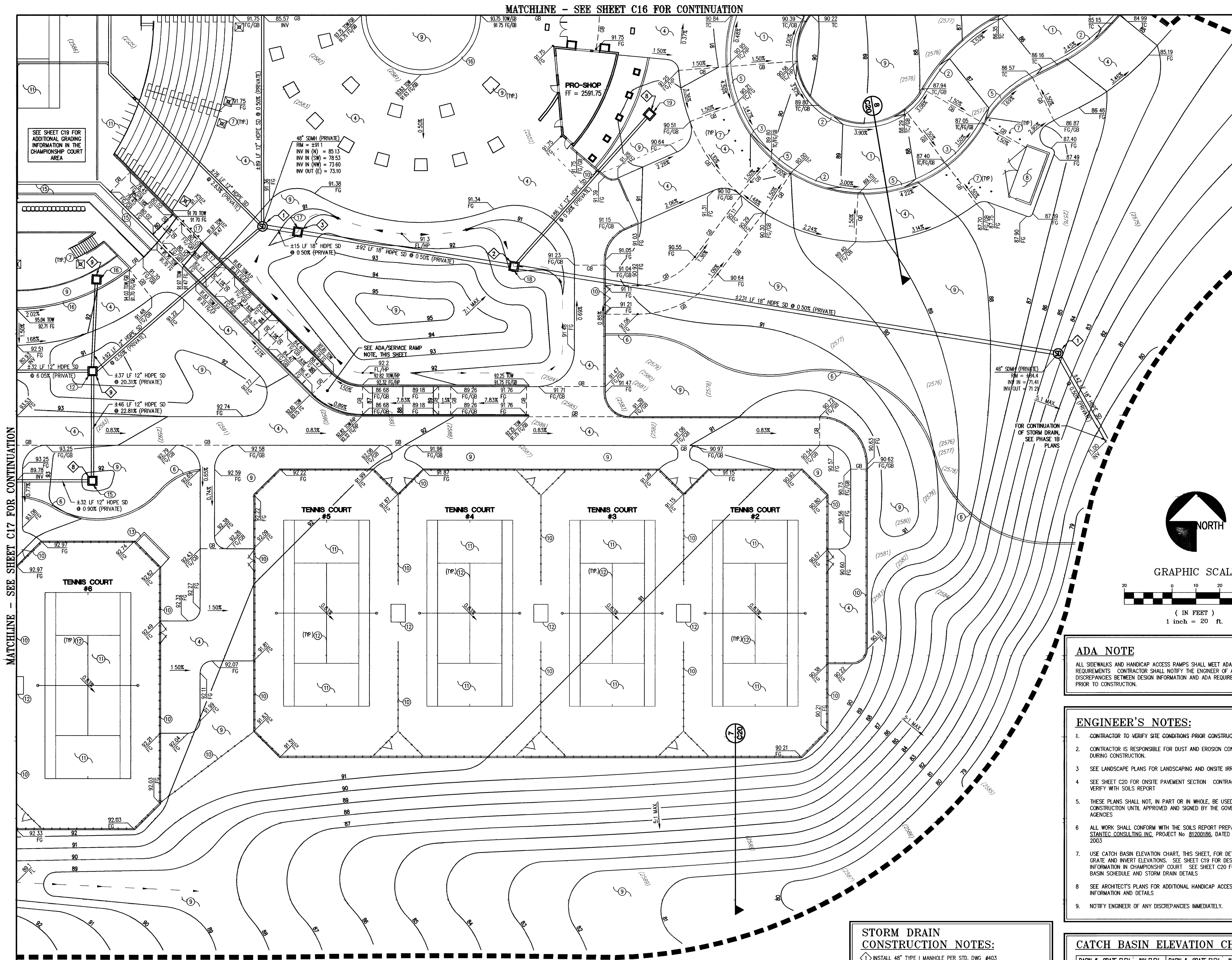


MATCHLINE - SEE SHEET C17 FOR CONTINUATION



MATCHLINE - SEE SHEET C16 FOR CONTINUATION

SEE SHEET C19 FOR
ADDITIONAL GRADING
INFORMATION IN THE
CHAMPIONSHIP COURT
AREA

SEE ADA/SERVICE RAMP
NOTE, THIS SHEET

FOR CONTINUATION
OF STORM DRAIN,
SEE PHASE 1B
PLANS



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

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

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

STORM DRAIN CONSTRUCTION NOTES:

- INSTALL 48" TYPE I MANHOLE PER STD. DWG. #403
- INSTALL 24" x 24" DROP INLET PER DETAIL "A" ON SHEET C20
- INSTALL 24" x 24" DROP INLET PER DETAIL "B" ON SHEET C20
- INSTALL 12" STORM DRAIN CLEANOUT PER DETAIL, SEE SHEET C20
- INSTALL 12" HOPE 45° BEND
- INSTALL 12" x 8" HOPE WYE
- INSTALL 8" HOPE WYE
- INSTALL 24"x24"x24" DROP INLET PER DETAIL, SEE SHEET C15
- INSTALL 24"x24"x36"/48" DROP INLET PER DETAIL, SEE SHEET C17

CATCH BASIN ELEVATION CHART

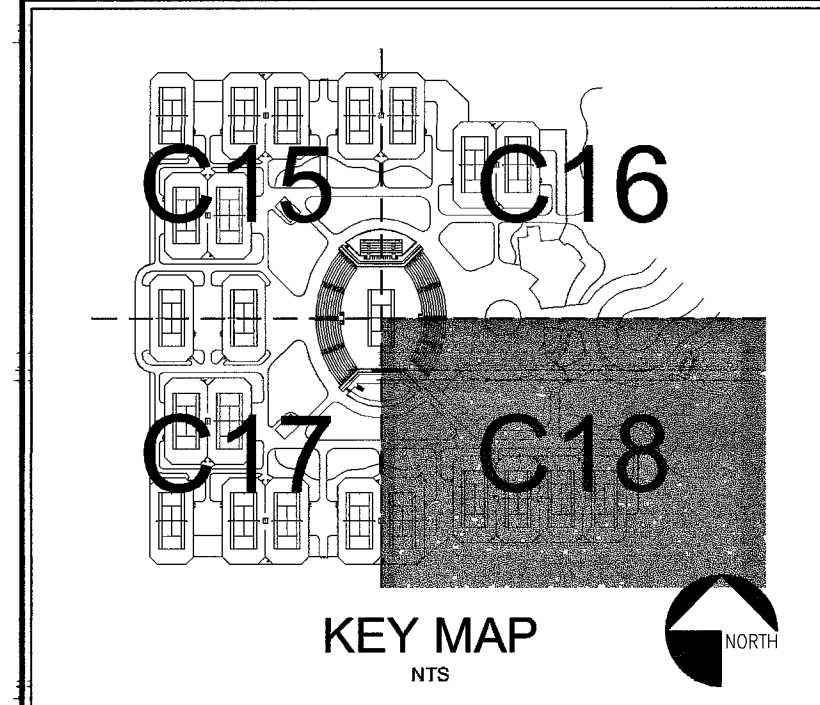
BASIN #	GRATE ELEV.	INV. ELEV.	BASIN #	GRATE ELEV.	INV. ELEV.
1	94.98	92.73	12	90.25	79.00
2	93.71	91.46	13	92.94	90.69
3	91.41	89.16	14	92.40	90.15
4	92.50	90.25	15	91.74	89.49
5	90.79	88.54	16	93.76	86.51
6	93.78	86.53	17	90.78	88.53
7	90.36	88.11	18	90.69	87.44
8	90.01	87.79	19	90.19	87.94
9	92.75	90.50			
10	92.71	86.46			
11	91.17	84.92			

NOTE: BASINS #17 & #18 HAVE TWO INVERT ELEVATIONS

ADA/SERVICE RAMP NOTE
FOR ADDITIONAL DETAILS REGARDING THE ADA/SERVICE RAMP'S RETAINING WALLS, RAILINGS, REMOVABLE CONCRETE BRIDGE, ETC. SEE LANDSCAPE PLANS, SHEETS SD19 - SD21

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.



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 SOUTHEAST 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 83 OF SURVEYS, AT PAGE 19

BENCHMARK
CITY OF LAS VEGAS BENCHMARK STAMPED OLVIDO 215MS
RIVET & PLATE IN TOP OF CURB ON NORTH SIDE OF LAS VEGAS @ DURANGO
ELEVATION = 785.6635 Meters (NAVD'88)
ELEVATION = 2577.63 U.S. Survey Feet (NAVD'88)

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 lines - it's costly.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT - B SAFETY SERVICES DEPARTMENT

- CONSTRUCTION NOTES:**
- CONSTRUCT AC PAVEMENT PER DETAIL, SHEET C20
 - CONSTRUCT 24" L' TYPE CURB & GUTTER PER STD. DWG. #216
 - CONSTRUCT 24" L' TYPE CURB & GUTTER WITH 0" CURB FACE
 - CONSTRUCT CONCRETE SIDEWALK (THICKNESS PER LANDSCAPE PLANS) PER STD. DWG. #234 WITH 6" THICK TYPE II AGGREGATE BASE
 - CONSTRUCT CURB/PAVEMENT TRANSITION PER DETAIL, SEE SHEET C20
 - CONSTRUCT MOW CURB PER LANDSCAPE PLANS
 - CONSTRUCT REMOVABLE BOLLARD PER LANDSCAPE PLANS
 - CONSTRUCT TRASH ENCLOSURE PER LANDSCAPE PLANS
 - CONSTRUCT LANDSCAPE AREA PER LANDSCAPE PLANS
 - CONSTRUCT FENCE PER LANDSCAPE PLANS
 - CONSTRUCT TENNIS COURT SURFACE PER LANDSCAPE PLANS
 - CONSTRUCT TENNIS COURT APPURTENANCES PER LANDSCAPE PLANS
 - CONSTRUCT BLOCK SCREEN WALL PER LANDSCAPE PLANS
 - CONSTRUCT SHADE RAMADA POLE PER STRUCTURAL PLANS
 - CONSTRUCT CONCRETE RETAINING WALL PER STRUCTURAL PLANS
 - CONSTRUCT CONCRETE SEATING WALL PER STRUCTURAL PLANS
 - CONSTRUCT CONCRETE BRIDGE PER STRUCTURAL PLANS

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. RUDINGER, P.E. #12309 DATE

REVISIONS

CONSULTANT

7251 W CHARLESTON BLVD
LAS VEGAS, NEVADA 89117
PHONE (702) 258-0115
FAX (702) 869-8547

Stantec

WASHINGTON BUFFALO PARK - PHASE 1A
WASHINGTON & BUFFALO, LAS VEGAS, NV

GRADING PLAN
(SOUTHEAST)

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 322-8535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: M. GRIMES
FILE: Grading Plan.dwg
DATE: 1/03
SCALE: 1" = 20'-0"
REV NO: 03/5341206
CLV DWG NO: 65076-1A
SIT NO: 100% SUBMITTAL

C18

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.