

- CONSTRUCTION NOTES:**
1. CONSTRUCT "L" TYPE CURB & GUTTER PER CCAUSD #216
  2. CONSTRUCT ONSITE "A" CURB PER DETAIL ON SHEET D11
  3. INSTALL 3" AC PAVEMENT OVER 4" TYPE II AGG. BASE (TRUCK AREAS)
  4. INSTALL 2" AC PAVEMENT OVER 4" TYPE II AGG. BASE (PARKING AREAS)
  5. INSTALL 4" CONCRETE SIDEWALK PER CCAUSD #234
  6. INSTALL COMMERCIAL DRIVEWAY AND CROSS GUTTER PER CCAUSD #222A & 228
  7. INSTALL 1" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET D11
  8. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD STD DWG 235, CASE 1
  9. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS
  10. SAWCUT & MATCH TO EXISTING
  11. INVERT LIP
  12. CONSTRUCT 3" FLUME PER DETAIL ON SHEET D11
  13. ON SITE ADA RAMP DETAIL "A", SHEET D11
  14. CONSTRUCT 2" CURB OPENING PER DETAIL ON SHEET D11
  15. 12" NYLOPLAST CUSTOM DRAIN BASH 2712A022 WITH PEDESTRIAN RATED GRATE
  16. INSTALL 2" WIDE SIDEWALK UNDERDRAIN PER CCAUSD #235
  17. CONSTRUCT HEADWALL PER DETAIL SHEET D11
  18. CONSTRUCT "O" CURB FACE
  19. INSTALL 4" AC PAVEMENT OVER 4" TYPE II AGG. BASE OVER 4" TYPE I AGG. BASE
  20. INSTALL BUMPER BLOCK PER STANDARD DWG. 238
  21. CONSTRUCT 4" MAX. HEIGHT RETAINING WALL

**GEOTECHNICAL:**  
 GEOTECHNICAL EVALUATION PREPARED BY BUENA ENGINEERS  
 DATED NOVEMBER 18, 1998, PROJECT# LV88-351A; UPDATE  
 PREPARED BY PSL, DATED APRIL 20, 2004; PROJECT#  
 281-65006

**DRAINAGE STUDY COMPLIANCE**

I, JEREMY S. MCCAY, HEREBY CERTIFY THAT THIS  
 GRADING PLAN CONFORMS TO THE APPROVED  
 DRAINAGE STUDY ON FILE WITH THE CITY OF  
 LAS VEGAS FOR THIS PROJECT: 15799

JEREMY S. MCCAY \_\_\_\_\_ DATE \_\_\_\_\_  
 NEVADA I.P.E. NO. 15797

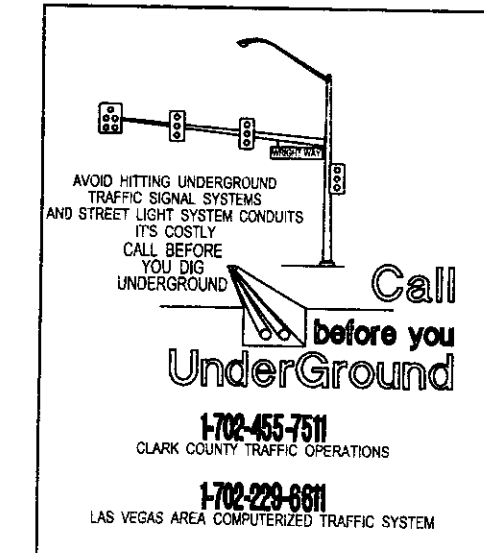
**FLOOD ZONE NOTE**

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)  
 FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER  
 32003C 21159C, CLARK COUNTY, NEVADA, DATED SEPTEMBER 27, 2002,  
 THE SITE LIES WITHIN A FEMA DESIGNATED ZONE "X". A ZONE "X" IS  
 DESCRIBED AS AREAS DETERMINED TO BE OUTSIDE OF THE 500-YEAR  
 FLOODPLAIN

NOTE:  
 ALL HANDICAP ACCESS ROUTES ARE AT  
 A MAXIMUM OF 5% DOWNSLOPE AND  
 2% CROSS SLOPE & 2% IN DIRECTION CHANGE.

**DISCLAIMER NOTE**  
 EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT  
 SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT  
 VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDER- GROUND  
 UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS  
 MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER  
 ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES  
 NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE  
 IMMEDIATELY REPORTED TO THE ENGINEER.  
 CALL BEFORE YOU DIG: 1-800-227-2600.

**Call before you Dig.**  
 1-800-227-2600  
 UNDERGROUND SERVICE ALERT (USA)



**BASIS OF BEARING**

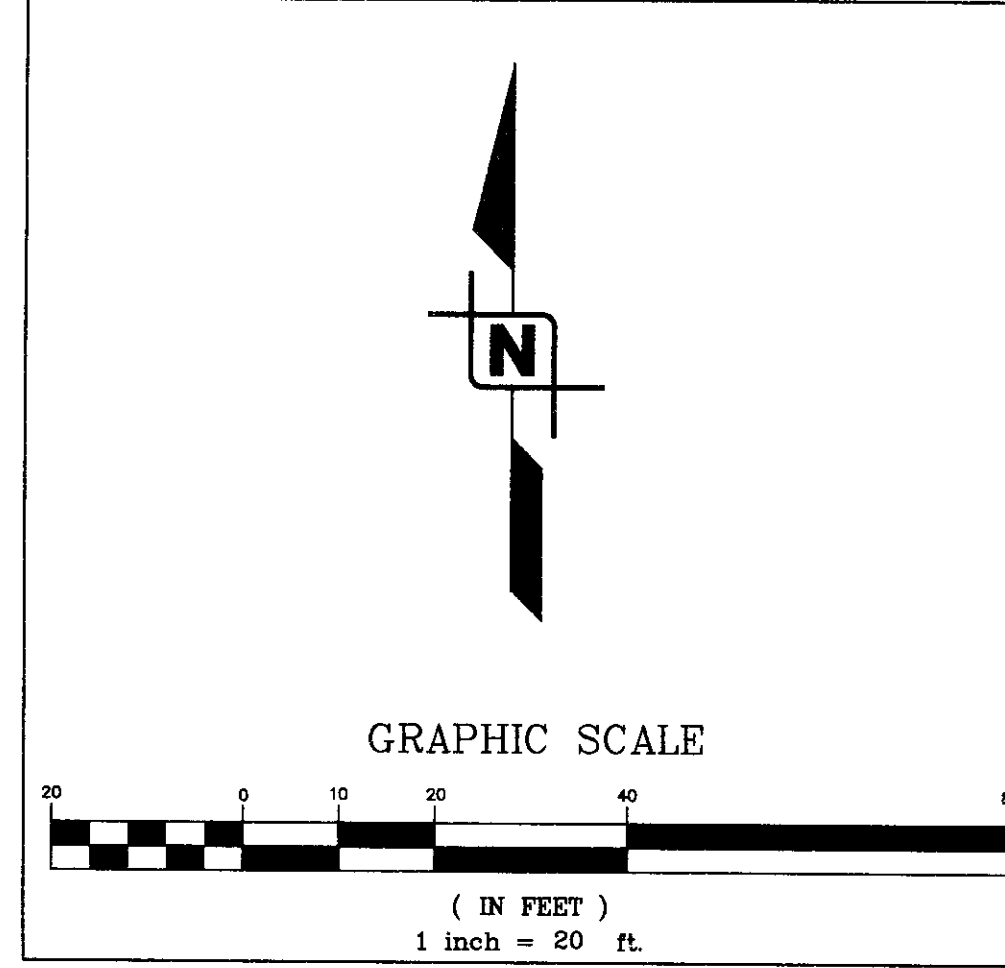
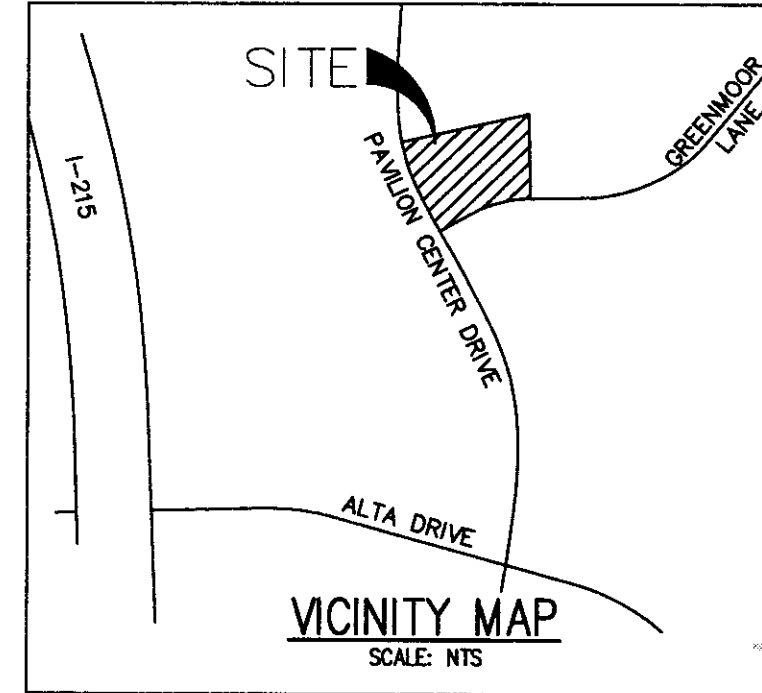
THE LINE BETWEEN THE INTERSECTION OF THE CENTERLINES OF  
 REGAL MESA AVENUE AND THE CENTERLINE OF SILVER CASTLE  
 STREET AND THE NORTHERLY END OF SILVER CASTLE STREET  
 (7.5' FROM THE CENTER OF THE CUL-DE-SAC) WAS TAKEN AS  
 N40°07'32"E, AS CALCULATED FROM THE MAP OF CHARDONNAY  
 NO. 41 - BY LEWIS HOMES PER MAP IN BOOK 80 OF PLATS  
 AT PAGE 47, CLARK COUNTY NEVADA RECORDS.

**LEGAL DESCRIPTION**

LOT 6, BLOCK B OF THE ARBORS AT SUMMERLIN VILLAGE 11/12  
 NO. 2A AS RECORDED IN BOOK 75 OF PLATS PAGE 75 FOUND  
 IN THE RECORDERS OFFICE OF CLARK COUNTY, NEVADA.

**BENCHMARK**

PROJECT VERTICAL DATUM: NAVD88  
 CITY OF LAS VEGAS B.M. OL109 361NS  
 NAVD88 ELEV.: 927.9652 METERS (3044.50 FEET)  
 RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER  
 OF PAVILION CENTER AND GREENMOOR.  
 CITY OF LAS VEGAS, NEVADA



**LEGEND**

- RIGHT-OF-WAY/PROPERTY LINE
- STREET CENTER LINE
- EXISTING BUILDING
- PROPOSED BUILDING
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- EXISTING EDGE OF A.C. PAVEMENT
- SIGHT VISIBILITY ZONE  
 NOTE: NOTHING OVER 24" IN HEIGHT ALLOWED IN SVZ EXCEPT TRAFFIC COURSE DEVICES
- EXISTING CMU WALL
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- PROPOSED CONTOUR
- SECTION / DETAIL SYMBOL
- HC ACCESS ROUTE
- GRADE BREAK
- GRADE BREAK
- 4.60% SLOPE & DIRECTION OF SLOPE

This grading plan is a part of drainage study #4523 which was received on 5/11/11 and App'd on 5/17/11. Page 1 of 3

**WRIGHT**  
 one source  
 7425 PEAK DRIVE LAS VEGAS, NEVADA 89128  
 P. 702.933.7000 F. 702.933.7001 800.933.7411  
 WRIGHTEENGINEERS.COM  
 LAS VEGAS • IRVINE • SACRAMENTO

NO.	REV.	DATE	BY

JOSEPH N. BRANCA ARCHITECT  
 2821 CHANNEL BAY DRIVE  
 LAS VEGAS, NEVADA 89128  
 TEL. (702) 398-1003 FAX (702) 258-3002

CHECK NO. 1 DATE: 11/16/10  
 RDC

CHECK NO. 2 DATE: 11/16/10  
 SM

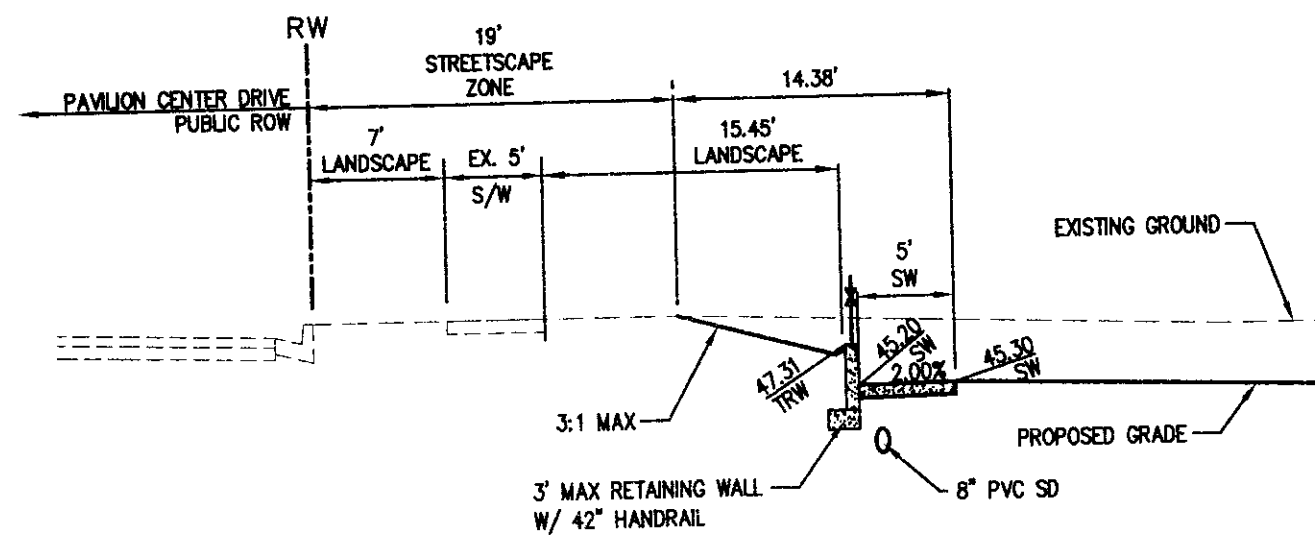
JOSEPH N. BRANCA ARCHITECT  
 DSUMC EXPANSION  
 GRADING PLAN

DATE: 11/16/10  
 DRAWN BY: RDC  
 PROJECT MGR: RDC  
 PROJECT NO: CN100298  
 SCALE: AS SHOWN

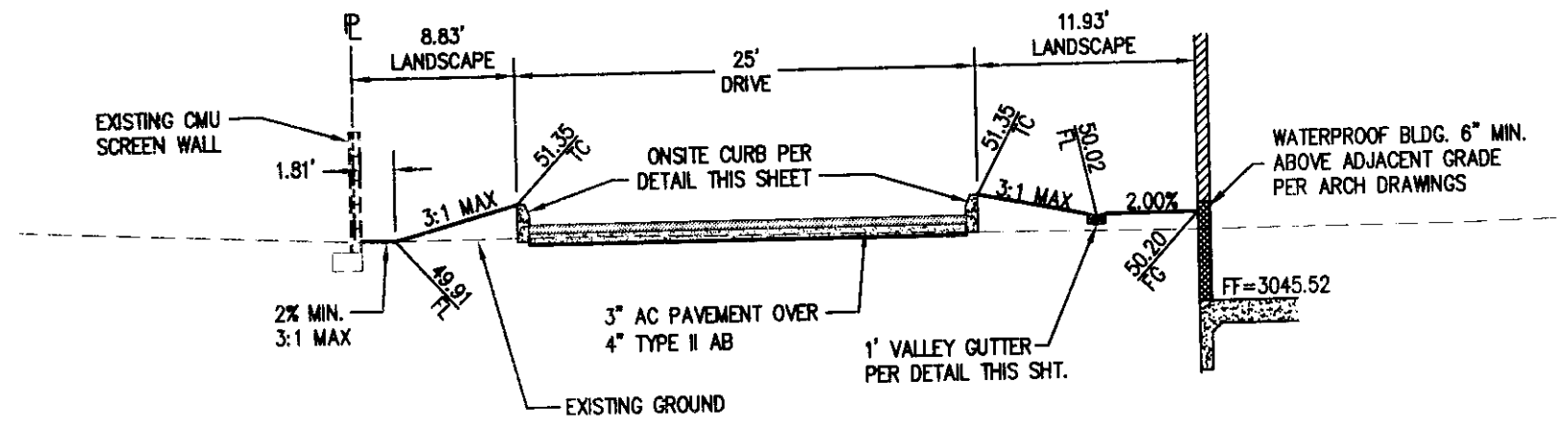
PROFESSIONAL ENGINEER STATE OF NEVADA  
 JEREMY S. MCCAY  
 Exp. 12/31/11  
 CIVIL  
 No. 15797

MAY 11 2011  
 SHEET  
 GP1  
 5 OF 11 SHEETS  
 DRAWING NO.

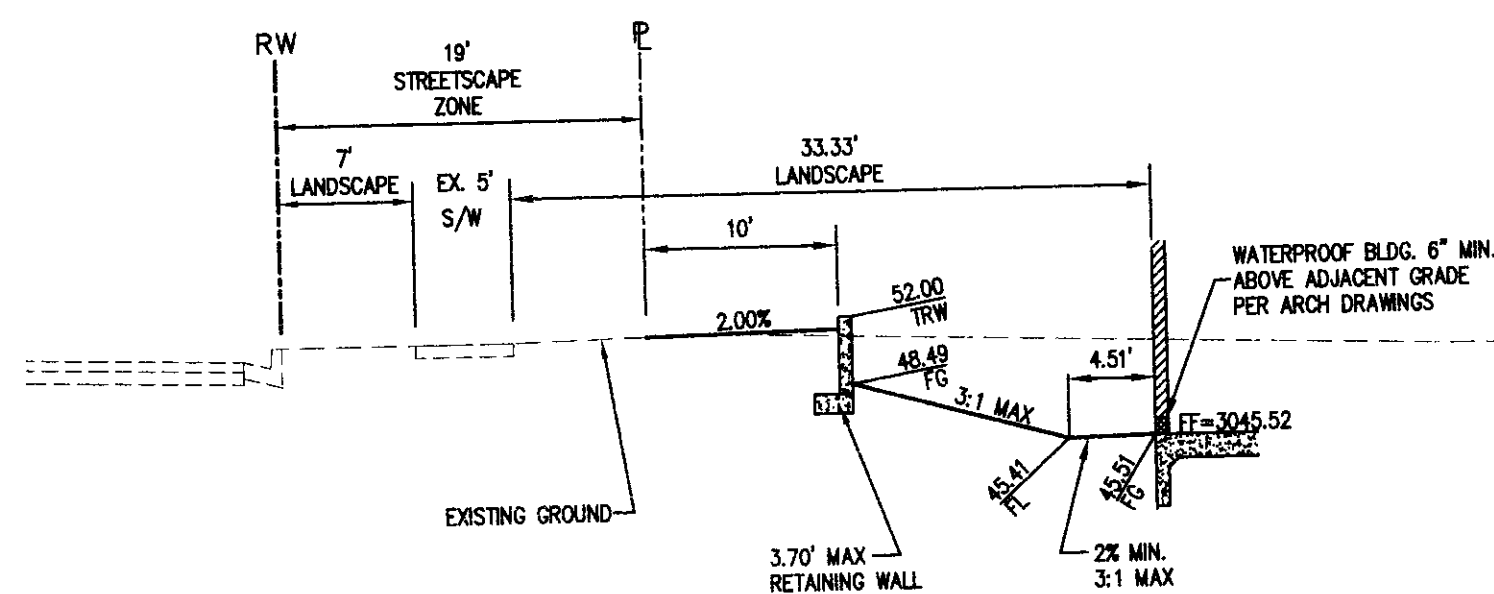




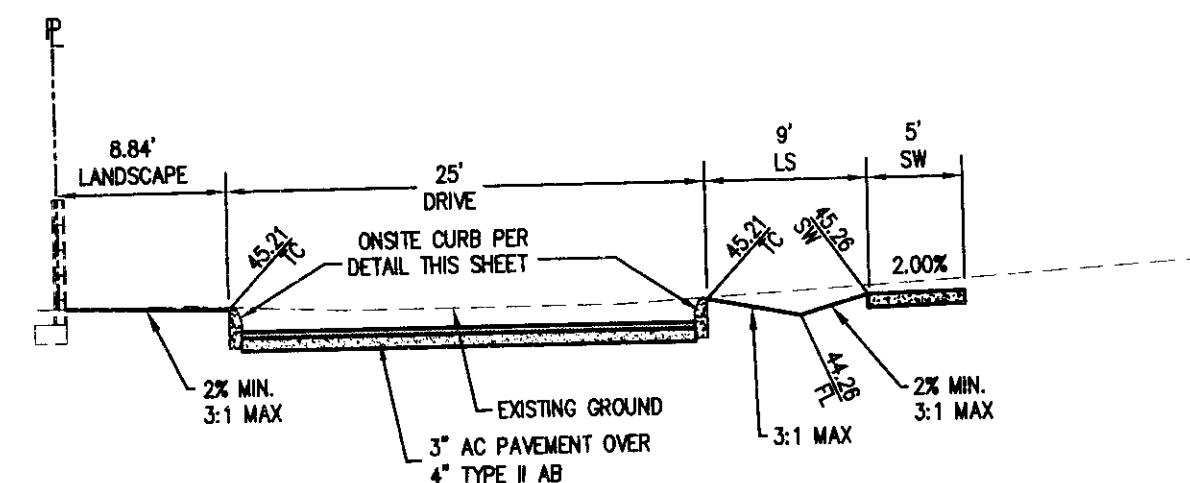
**SECTION A**  
DT1  
SCALE: 1" = 10' (H)  
1" = 1' (V)



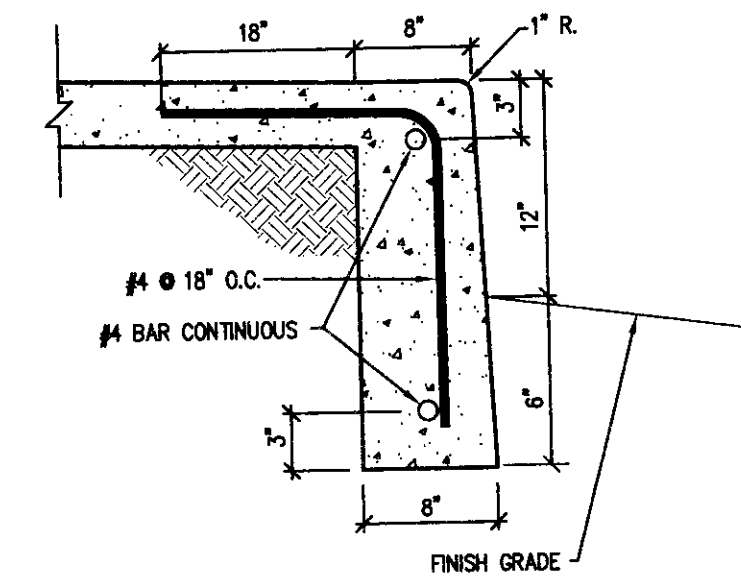
**SECTION C**  
DT1  
SCALE: 1" = 10' (H)  
1" = 1' (V)



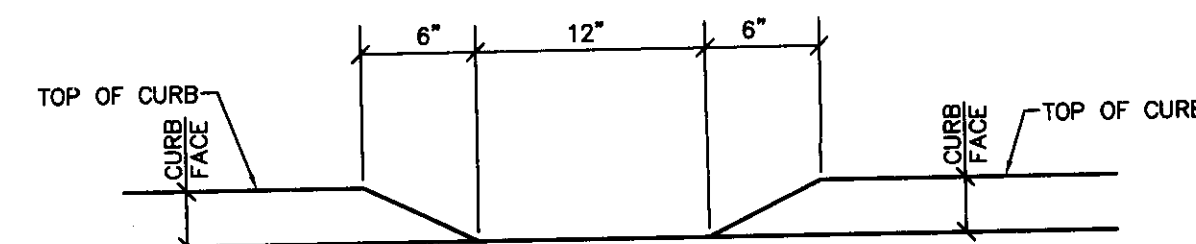
**SECTION B**  
DT1  
SCALE: 1" = 10' (H)  
1" = 1' (V)



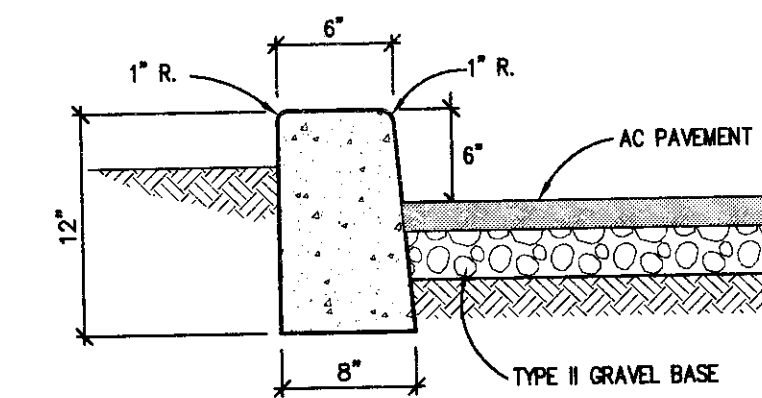
**SECTION D**  
DT1  
SCALE: 1" = 10' (H)  
1" = 1' (V)



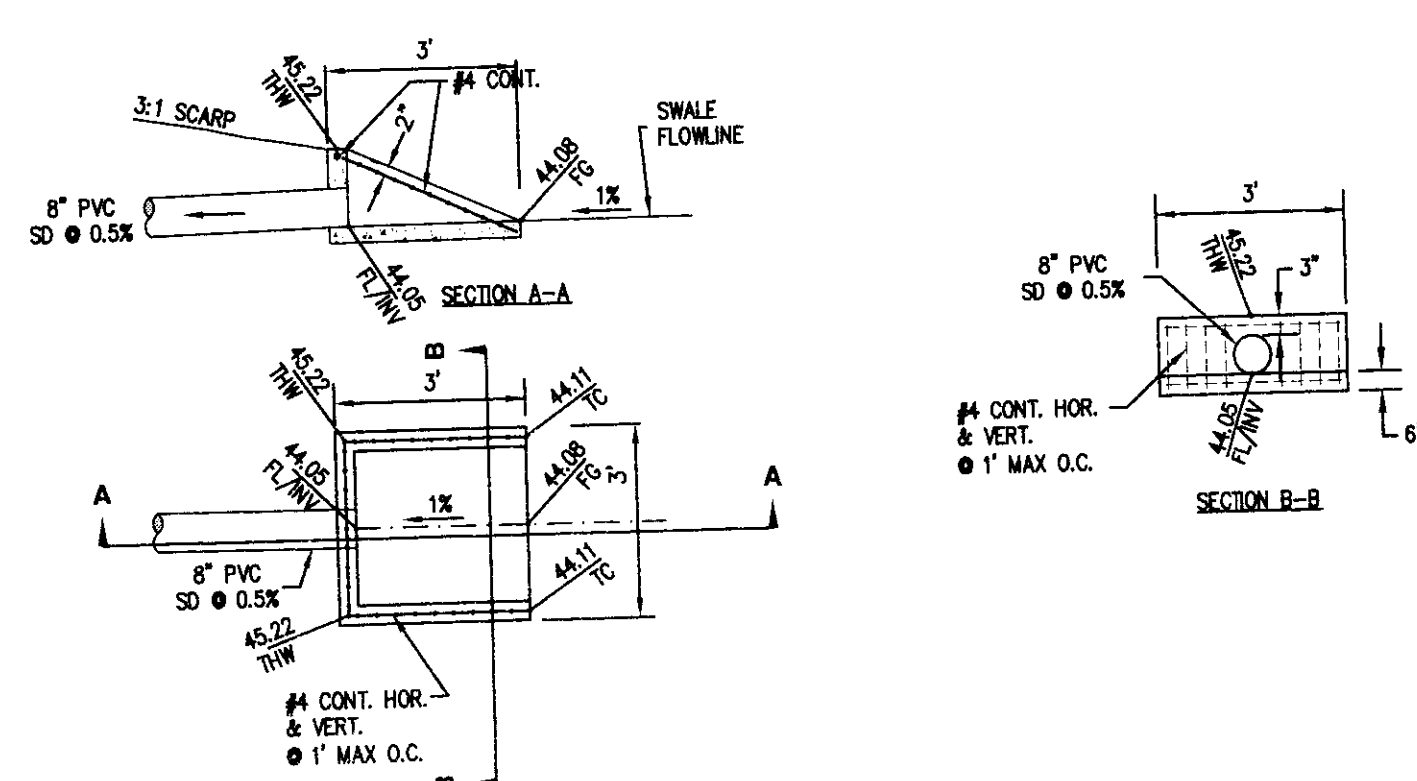
**TURN DOWN SIDEWALK**  
SCALE: NONE



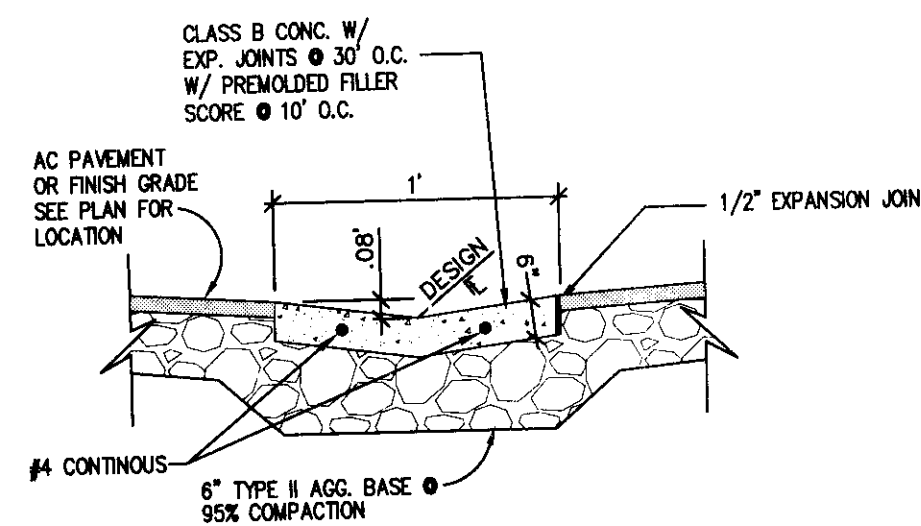
**DEPRESSED CURB DETAIL**  
SCALE: NONE



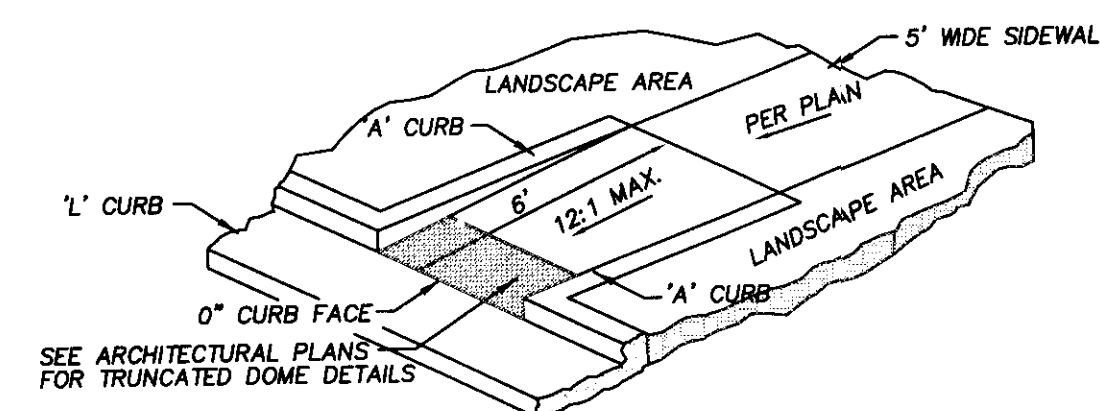
**ONSITE "A" TYPE CURB DETAIL**  
SCALE: NONE



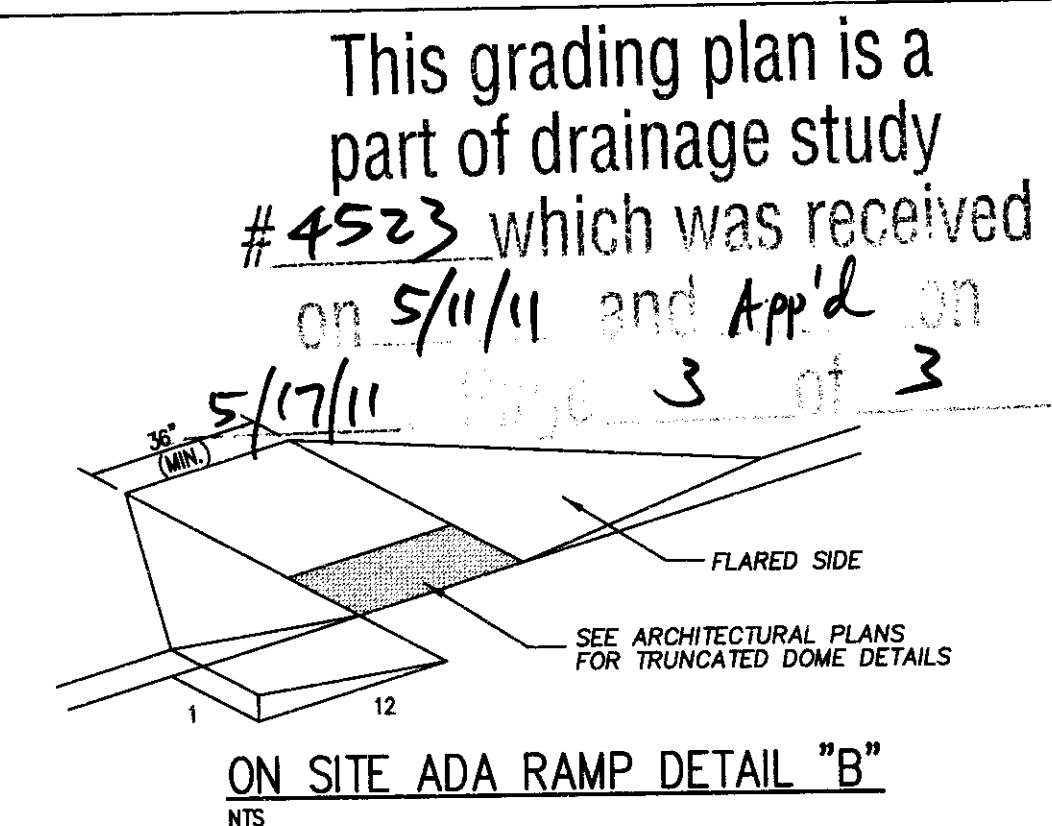
**ON-SITE HEADWALL DETAIL**  
SCALE: NONE



**1' VALLEY GUTTER**  
SCALE: NONE



**ON SITE ADA RAMP DETAIL "A"**  
NTS



**ON SITE ADA RAMP DETAIL "B"**  
NTS

This grading plan is a part of drainage study #4523 which was received on 5/11/11 and App'd on 5/17/11 page 3 of 3

NO.	REVISION	DATE	BY

**JOSEPH N. BRANCA ARCHITECT**  
2821 CHANNEL BAY DRIVE  
LAS VEGAS, NEVADA 89127  
TEL (702) 308-1803 FAX (702) 288-3002  
DATE: 11/16/10  
CHECK NO. 1  
DATE: 11/16/10  
CHECK NO. 2

**JOSEPH N. BRANCA ARCHITECT**  
DSUMC EXPANSION  
SECTIONS AND DETAILS

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7 OF 11 SHEETS  
DRAWING NO.