

#	NUMBER
AB	ABANDONED
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AGG	AGGREGATE
AIP	ABANDON IN PLACE
ALT	ALTERNATE
AP	ANGLE POINT
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL
AV/AR	AIR VACUUM AIR RELIEF VALVE
BC	BACK OF CURB
BCR	BACK OF CURB RETURN
BLK	BLOCK
BLVD	BOULEVARD
BM	BENCHMARK
BO	BLOW OFF
BP	BOTTOM OF PIPE
BSW	BACK OF SIDEWALK
BVC	BEGIN VERTICAL CURVE
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
BVCS	BEGINNING OF VERTICAL CURVE STATION
BW	BOTTOM WIDTH
C&G	CURB AND GUTTER
C-C	CENTER TO CENTER
CATV	CABLE TELEVISION
CAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING
CCRFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CF	CUBIC FOOT
CIP	CAST IRON PIPE OR CAST IN PLACE
CL	CENTERLINE
CLR	CLEAR
CLV	CITY OF LAS VEGAS
CM	CONSTRUCTION MANAGER
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNDT	CONDUIT
CNLV	CITY OF NORTH LAS VEGAS
CO	CLEANOUT
COH	CITY OF HENDERSON
COL	COLUMN
CON'T	CONTINUATION
CONC	CONCRETE
CONST	CONSTRUCT OR CONSTRUCTION
COR	CORNER
CPP	CORRUGATED PLASTIC PIPE
CSP	CORRUGATED STEEL PIPE
CU	CUBIC
CULV	CULVERT
CY	CUBIC YARD
D	DEPTH
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
DET, DTL	DETAIL
DEPT	DEPARTMENT
DG	DESIGN GRADE
DI	DROP INLET
DIA	DIAMETER
DIAG	DIAGONAL
DIP	DUCTILE IRON PIPE
DOC	DOCUMENT
DW	DRIVEWAY
DWG	DRAWING
E	EAST
EA	EACH
EB	EASTBOUND
EC	END OF CURVE
ECR	END CURB RETURN
EF	EACH FACE
EG	EXISTING GROUND
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBK	EMBANKMENT
EOP	EDGE OF PAVEMENT
EP	EDGE OF PAVEMENT ALIGNMENT END
EQ	EQUAL
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EVCS	END VERTICAL CURVE STATION
EW	EACH WAY
EX, EXST	EXISTING
EXP, JT	EXPANSION JOINT
FA	FIRE ALARM
FC	FACE OF CURB

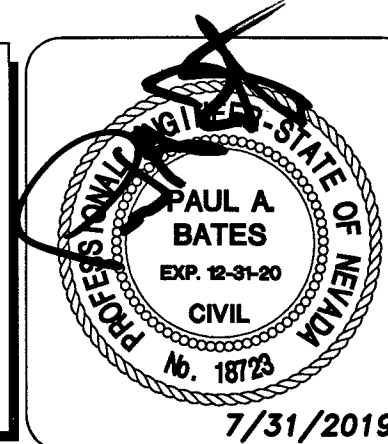
	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOW LINE
FO	FIBER OPTIC
FT	FOOT OR FEET
G	GAS LINE
GALV	GALVANIZED
GB	GRADE BREAK
GL	GRATE LENGTH
GM	GAS METER
GUT	GUTTER
GV	GATE VALVE
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDWL	HEADWALL
HE	HORIZONTAL ELLIPTICAL
HGL	HYDRAULIC GRADE LINE
HOA	HOMEOWNER'S ASSOCIATION
HOR	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
IN	INCH(ES)
INT	INTERSECTION
INV	INVERT
IQAC	INTERAGENCY QUALITY ASSURANCE COMMITTEE
IRR	IRRIGATION
ISL	ISLAND
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
K	VERTICAL CURVE K VALUE
L	LENGTH
LB	POUND(S)
LF	LINEAR FEET
LIN	LINEAR
LIN #	CCWRD MANHOLE NUMBER
LOC	LENGTH OF CURVE
LOL	LAYOUT LINE
LP	LOW POINT
LS	LANDSCAPE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAS	MASONRY
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONOLITHIC, MONUMENT
MOW	MOW CURB
MTL	MATERIAL
ME	MATCH EXISTING
MUE	MUNICIPAL UTILITY EASEMENT
N	NORTH
NAP	NOT A PART
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NF	NEAR FACE
NG	NUMBER OF GRATES, NATURAL GRADE
NIC	NOT IN CONTRACT
No.	NUMBER
NTS	NOT TO SCALE
NVE	NV ENERGY
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	OPEN GRADE
OH	OVERHEAD
OHP	OVERHEAD POWER
OS	OFFSET
P	POWER
PB	PULL BOX
PBS	PLANTMIX BITUMINOUS SURFACE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PG	PROPOSED GRADE
PGL	PROFILE GRADE LINE
PH	POT HOLE
PI	POINT OF INTERSECTION
PIP	PROTECT IN PLACE
PL	PROPERTY LINE
PLCS	PLACES
PMF	PAVEMENT MARKING FILM
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT, POINT OF TANGENCY

PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
QTY	QUANTITY
(R)	RADIAL
R/W,ROW	RIGHT OF WAY
R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCC	ROLLER COMPACTED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REINF	REINFORCED OR REINFORCEMENT
RELOC	RELOCATE
REV	REVISION
RG	ROUGH GRADE
RP	RADIUS POINT
RPM	RAISED PAVEMENT MARKER
RR	RAILROAD
RT	RIGHT
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FOOT/SQUARE FEET
SHLD	SHOULDER
SHT	SHEET
SHP	STEEL HIGH PRESSURE PIPE
SMFO	SINGLE MODE FIBER OPTIC
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SQ	SQUARE
SS	SANITARY SEWER OR SIDE SLOPE
SSD	SUMMERLIN STANDARD DRAWING
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STLT	STREETLIGHT
SDHW	STORM DRAIN HEADWALL
STRUCT	STRUCTURAL OR STRUCTURE
SUM #	CWDRD MANHOLE NUMBER
SURV	SURVEY
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
SY	SQUARE YARD
T	TELEPHONE LINE
TAN	TANGENT
TB	TOP OF BOX
TBA	TO BE ADJUSTED
TBC	TOP OF BACK OF CURB
TBR	TO BE REMOVED
TC	TOP OF CURB
TCO	TRAFFIC CONTROL DEVICE
TDS	TECHNICAL DRAINAGE STUDY
TEL	TELEPHONE
TEMP	TEMPORARY
TF	TOP OF FOOTING
THK	THICK
THR	THRUST
THW	TOP OF HEADWALL
TOF	TOP OF FACE
TW/TOW	TOP OF WALL
TP	TOP OF PIPE
TRANS	TRANSITION
TS	TRAFFIC SIGNAL
TSI	TRAFFIC SIGNAL INTERCONNECT
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
UG	UNDERGROUND
UGP	UNDERGROUND POWER
UIE	UPPER INVERT ELEVATION
UNO	UNLESS NOTED OTHERWISE
UPRR	UNION PACIFIC RAILROAD
USD	UNIFORM STANDARD DRAWING
UTACS	ULTRA THIN ASPHALT CONCRETE SURFACE
USTCODE	UTILITY, STREETLIGHT, TRAFFIC CONTROL DEVICE EASEMENT
V	VOLT
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
W	WEST, WATER

[illegible]

*THE CONTRACTOR SHALL CONTACT FAST, 811 (CALL BEFORE YOU DIG), AND CALL BEFORE YOU OVERHEAD 24 HRS. PRIOR TO COMMENCEMENT OF CONSTRUCTION.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.

[illegible]

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200



**CLARK COUNTY
SCHOOL DISTRICT**

CONSTRUCTION MANAGEMENT DEPARTMENT
80 MILITARY TRIBUTE LN., HENDERSON, NY 86074 PHONE: 702-799-5770

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASHDEN ELEMENTARY SCHOOL REPLACEMENT
 2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

LEGEND

DESIGNED BY: J. CABRERA	JOB NO. 100062041 DATE: 6/24/2019 DRAWING NO. 2/34 C0.02	L19-00703 715-216
DRAWN BY: M. FREY		
CHECKED BY: P. BATES		
HORIZ.: NONE VERT.: NONE		

\\Projects\\Land Development\\SH Architecture\\100062041 - Wasden Elementary_Sheets\\62041-07-LGND-C2.dwg LAYOUT: C0.02 Jul 31, 2019 - 10:55AM

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICE MANAGER DATE _____
PROJECT NO. 136383 DATE: _____
LVVWD APPROVED FIRE FLOW 2500GPM AT 20 PSI RESIDUAL

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.

TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
656,166.6667 FEET(US)
FALSE EASTING: 100,000M
328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

CITY OF LAS VEGAS BENCHMARK
8LV0132SW6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



Call before you Dig
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

Call
811

OR
1-800-642-2444



CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE, AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY, REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH STATE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY FLOWER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

- WALL NOTES:
16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
 17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
 18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
 19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
 20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING PROBES, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
 21. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SEWER INSPECTION FOR DETERMINATION OF FINAL LOCATION, COORDINATES, FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.
 22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.
 23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 06/04/2018

LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHT-OF-WAY OR CLARK COUNTY AREA AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

SOUTHWEST NEVADA - SOUTHWEST GAS CORPORATION

- GENERAL NOTES
1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
 2. THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRICAL.
 3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION
 4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099

ALL CIVIL IMPROVEMENT PLANS MUST INCLUDE SOUTHWEST GAS CORPORATION HIGH PRESSURE NOTES ON THE NOTES SHEET AND ALL SHEETS DEPICTING HIGH PRESSURE NATURAL GAS MAINS AS INDICATED BELOW:

CAUTION: HIGH PRESSURE GAS!

CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION

Pamela Kennedy
SOUTHWEST GAS CORPORATION

8-16-19
DATE

GRADING NOTES

1. INDICATED GRADES OTHER THAN TO, FG & GUTTER FL ARE ROUGH GRADES.
2. THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLAN WILL RESULT IN QUANTITY CHANGES.
3. SOILS REPORT PREPARED BY: GEOTEK, INC. 6835 ESCONCINO STREET #A, LAS VEGAS, NV 89119, PHONE: 702-897-1424, PROJECT NO.: 14458-LV, DATED: JANUARY 10, 2019.
4. EARTHWORK QUANTITIES (RAW):
 - CUT = 210 CUBIC YARDS
 - FILL = 39,390 CUBIC YARDS
- A. THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
- B. THE ABOVE QUANTITIES DO REFLECT USING NATIVE MATERIAL IN LIEU OF TYPE 1 GRADING BASE MATERIAL FOR STREET SECTIONS.
- C. THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS -APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 105.6.15 CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 3310 & 3312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC § 507
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102
 - * RESIDENTIAL -500 FT SPRINKLERED.
 - * COMMERCIAL -300 FT UNSPRINKLERED; 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC § C102.6
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC § C104
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC § 503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.2.7, § 503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING IFC § 503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. IFC § 503.2.1
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB, NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB, NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB. FIRE LINES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC § 503.2.1.1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC § 503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEADENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. CLV REGULATION AND MOU
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LINES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LINES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC § 503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER IFC § 503.6
29. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1+"	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5+"	+0.1' TO -0.1'	SEE SOILS REPORT
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED 04/15/10

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES, THE PROJECT ENGINEER AND CLARK COUNTY AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
2. ALL CONSTRUCTION SHALL BE, AS SHOWN ON THESE CONTRACT DRAWINGS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE PROJECT ENGINEER.
3. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
4. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM INFORMATION RECEIVED FROM THE APPLICABLE UTILITY COMPANIES. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN, OR NOT IN THE LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITY REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 107.17 OF THE "UNIFORM STANDARD SPECIFICATIONS FOR CLARK COUNTY AREA, NEVADA" AND AS PROVIDED IN THE SPECIFICATIONS.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE COUNTY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL NOT REMOVE TREES, SHRUBS, LAWNS, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS, OR ANY OTHER EXISTING IMPROVEMENTS OUTSIDE OF STREET RIGHT-OF-WAY, EXCEPT WHERE REQUIRED TO DO SO BY THE CONTRACTOR OR THE PROJECT ENGINEER. REPLACEMENT, RELOCATION OR REPAIR OF EXISTING IMPROVEMENTS INCLUDING SPRINKLER SYSTEMS, FENCES, WALLS, SIGNS, STEPS, SIDEWALKS, DRIVEWAYS, LAWN LIGHTS, AND ALL OTHER ITEMS APPLICABLE TO THIS PROJECT SHALL BE REQUIRED BY THE PROJECT ENGINEER.
7. THE CONTRACTOR SHALL BACKFILL AND FINE GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE PROJECT ENGINEER. WHERE EXISTING LAWNS ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS THE CONTRACTOR WILL SOO REPAIR THE AFFECTED AREA TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN PER CONTRACT DRAWINGS.
9. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
10. THE ACTUAL LOCATIONS OF SAW CUT LINES, LIMITS OF COLD MILLING, LIMITS OF DRIVEWAY TRANSITIONS, AND LANDSCAPE REPAIR SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT PROJECT REPRESENTATIVE.
11. THE ACTUAL LIMITS OF EXISTING OPEN GRADE REMOVAL AND UDACS APPLICATION SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT PROJECT REPRESENTATIVE.
12. ALL STANDARD DRAWINGS REFERENCED IN THIS SET ARE BASED ON THE CURRENT "UNIFORM STANDARD DRAWINGS REVISION SET II-1997 RELEASE".
13. UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL WATER SERVICES AND METERS WHICH INTERFERE WITH IMPROVEMENTS SHOWN ON THE CONTRACT DRAWINGS.
14. THE CONTRACTOR SHALL MAINTAIN AN ONGOING REMOVAL PROCESS OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
15. CURB AND GUTTER OF A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
16. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, EXISTING CONDITIONS AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC AND PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
17. REMOVAL OR RELOCATION OF POWER POLES, TELEPHONE POLES, JOINTLY-OWNED POLES, AND APPURTENANCES WHICH INTERFERE WITH IMPROVEMENTS REQUIRED TO BE CONSTRUCTED UNDER THIS CONTRACT, SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE UTILITY COMPANIES FAR ENOUGH IN ADVANCE SO AS TO NOT IMPACT THE SCHEDULE.
18. COX COMMUNICATIONS SHALL BE RESPONSIBLE FOR THE VERTICAL OR HORIZONTAL ADJUSTMENT OF ALL CATV FACILITIES WHICH INTERFERE WITH IMPROVEMENTS SHOWN ON THE CONTRACT DRAWINGS, UNLESS NOTED OTHERWISE.
19. NV ENERGY SHALL BE RESPONSIBLE FOR THE RELOCATION OF UNDERGROUND OR OVERHEAD POWER LINES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
20. EMBARO SHALL BE RESPONSIBLE FOR THE VERTICAL OR HORIZONTAL ADJUSTMENT OF ALL TELEPHONE FACILITIES WHICH INTERFERE WITH IMPROVEMENTS SHOWN ON CONTRACT DRAWINGS, UNLESS NOTED OTHERWISE.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD", THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE VI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CAUSES 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR MSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, OCCEN BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 822-1444) WHO WILL PROVIDE OFFERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISED JUNE 4, 2018

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

REVISED 04/15/10

CITY OF LAS VEGAS STREET LIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.
2. DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
3. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.
4. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS.
5. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN NO. #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.
6. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
7. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARED BY.
8. SERVICE POINTS SHALL BE COORDINATED WITH ANY NERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICEPOINTS SHALL BE SHOWN ON THE PLANS.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREETLIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS SHALL BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED. AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

REVISED 6/4/2018 (LD VERSION)

LAS VEGAS VALLEY WATER DISTRICT (LVVWD) NOTES

- LVVWD PROJECT #136383
(REVISED 08/01/2017)
1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. **WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.**
 2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). **THE LATEST EDITION OF UDACS SHALL SUPERCEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.**
 3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
 4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
 5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
 6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
 8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
 9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
 10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802 TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
 11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01 AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
 12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS..
 13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
 14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARD, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

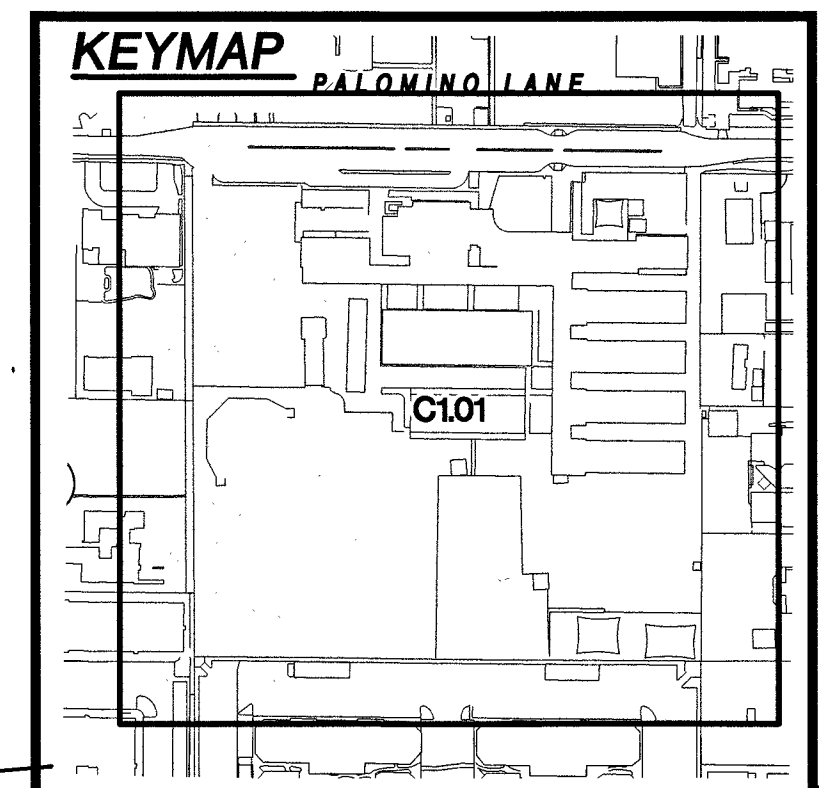
ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ADJUTING A PUBLIC OR PRIVATE STREET



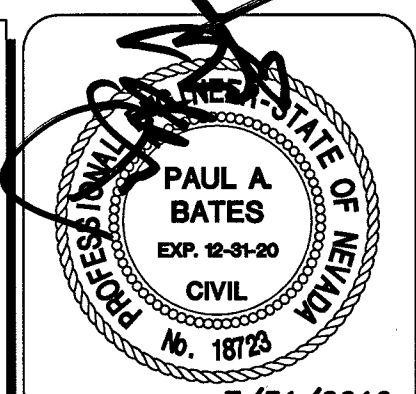
DESCRIPTION	QUANTITY	UNIT
<u>DEMOLITION</u>		
CURB AND GUTTER REMOVAL	943	LF
CONCRETE AREA REMOVAL	92,450	SF
ASPHALT REMOVAL	48,610	SF
LANDSCAPE REMOVAL	187,100	SF
BUILDING REMOVAL	58,400	SF
CANOPY REMOVAL(BUILDING)	21,400	SF
PORTABLE STRUCTURE REMOVAL	4	EA
AREA LIGHT REMOVAL	5	EA
POWER POLE REMOVAL/RELOCATION (SEE ELECTRICAL PLANS)	1	EA
DCDA REMOVAL	1	EA
WALL REMOVAL	1420	LF
FENCE REMOVAL	1708	LF

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY.
IT IS AN OVERALL REPRESENTATION OF THE UTILITY
FOR REVIEW AND COORDINATION WITH OTHER
PROJECT DETAILS WITHIN THIS PLAN SET.

SEE SHEETS C1.02 TO C1.05 FOR CONSTRUCTION NOTES.



~~LIVVWD APPROVAL IS VALID FOR ONE (1) YEAR FROM SIGNATURE DATE. IF CONSTRUCTION IS NOT STARTED, PLANS MUST BE RESUBMITTED FOR REVIEW AND APPROVAL~~

[illegible]

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1.702.263.7275
Fax: +1.702.263.7200

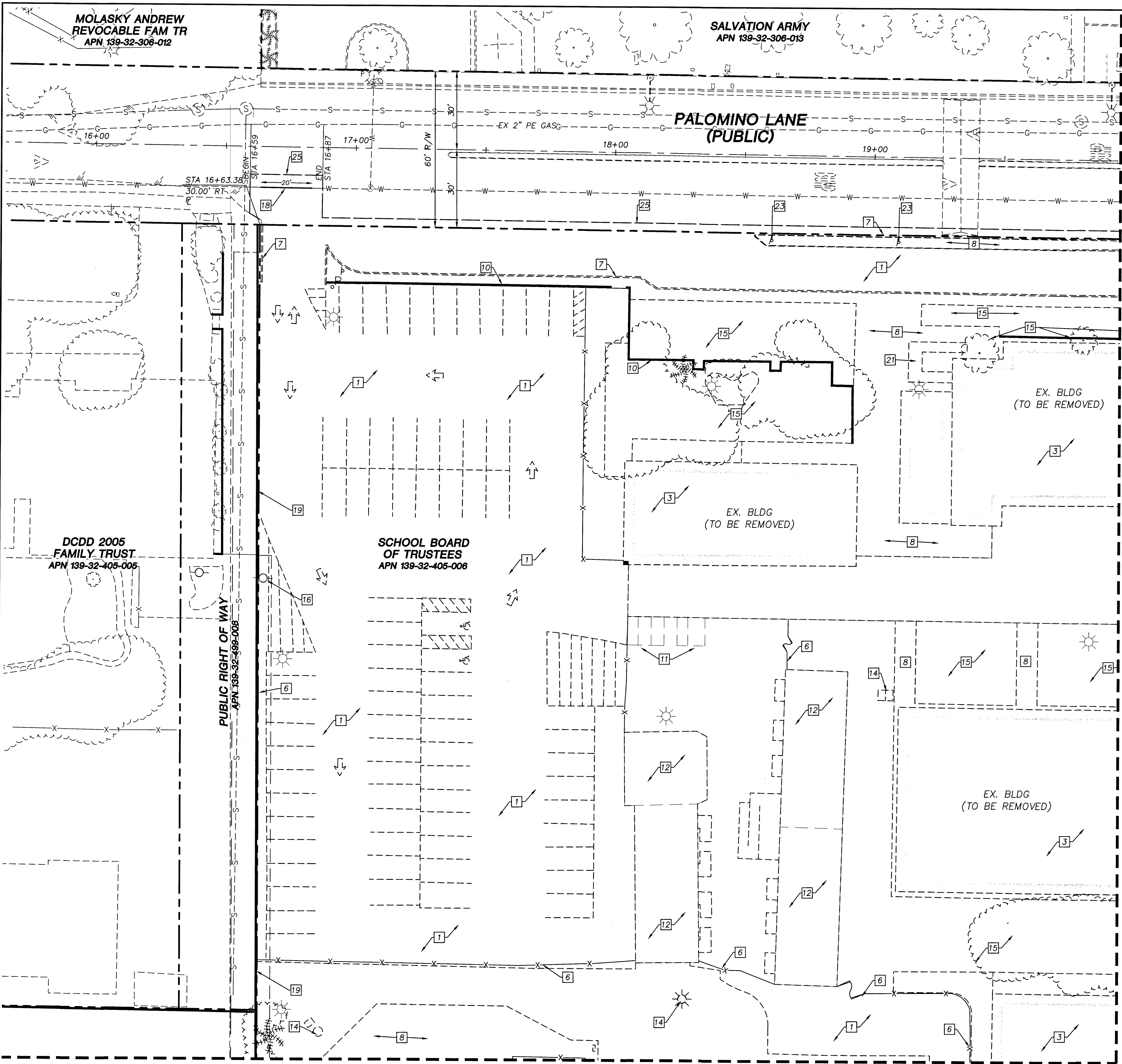
**CLARK COUNTY
SCHOOL DISTRICT**
CONSTRUCTION MANAGEMENT DEPARTMENT
1180 MILITARY TRAIL IN, HENDERSON, NV 89074 PHONE: 702-799-5700
E-MAIL: cm@clark.k12.nv.us www.clark.k12.nv.us

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASDEN ELEMENTARY SCHOOL REPLACEMENT
 2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

OVERALL DEMOLITION PLAN

JOB NO. 19-00703	100062041		DESIGNED BY: J. CABRERA
	DATE: 6/24/2019	DRAWING NO. 4/34	DRAWN BY: M. FREY
715-216	C101		CHECKED BY: P. BATES
			HORIZ.: 1"=40'
			VERT.: NONE

PROJECTS Land Development
PROJ#:136383A QS:139-32-SW



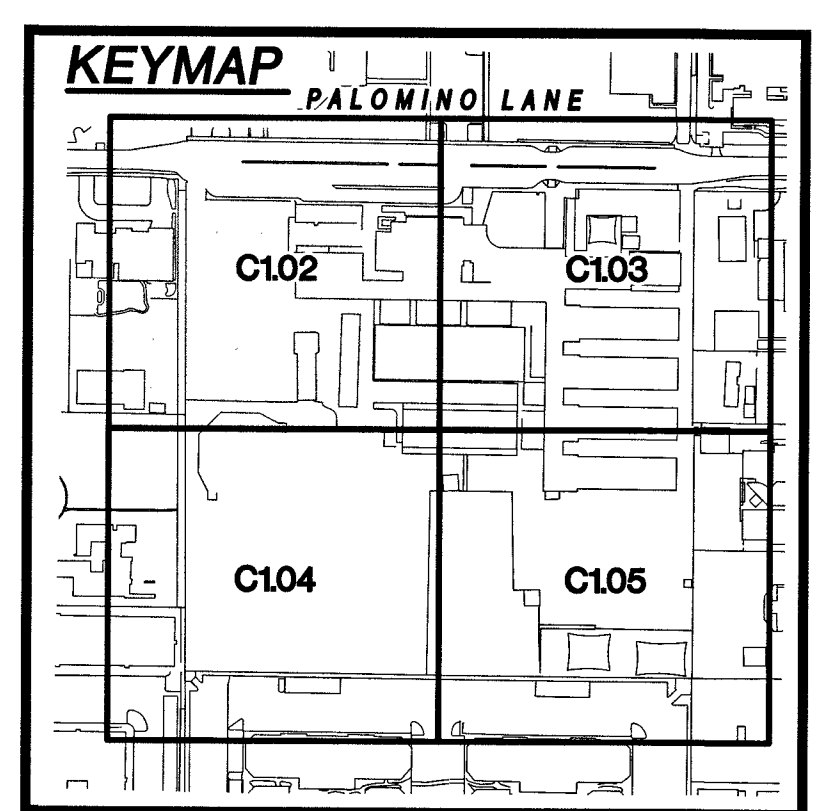
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1	DEMOLISH EXISTING ASPHALT PAVEMENT.
2	DEMOLISH EXISTING BASKETBALL COURT.
3	DEMOLISH EXISTING BUILDING AND/ OR STRUCTURE, INCLUDING SLAB AND FOOTINGS
4	DEMOLISH EXISTING CANOPY.
5	EXISTING DCDA TO BE REMOVED AND RETURNED TO LVVWD
6	REMOVE EXISTING CHAIN LINK FENCE.
7	DEMOLISH EXISTING CONCRETE CURB.
8	DEMOLISH EXISTING CONCRETE PAD AND/OR WALKWAY IN ENTIRETY.
9	REMOVE EXISTING PLAYGROUND EQUIPMENT
10	DEMOLISH EXISTING WALL.
11	EXISTING CONNEX STORAGE TO BE REMOVED AND RELOCATED BY CLARK COUNTY SCHOOL DISTRICT.
12	DEMOLISH EXISTING SINGLE PORTABLE STRUCTURES, DOUBLE PORTABLE STRUCTURES TO BE REMOVED BY CCSD.
13	EXISTING POWER POLE TO BE REMOVED/ RELOCATED. CONTRACTOR SHALL COORDINATE WITH NV ENERGY AND SITE FACILITIES STAFF TO REMOVE/ RELOCATE POLE AND SERVICE PRIOR TO START OF CONSTRUCTION.
14	REMOVE EXISTING LIGHT, POLE AND POLE FOUNDATION
15	EXISTING IRRIGATION/ LANDSCAPE IMPROVEMENTS TO BE REMOVED/ RELOCATED. REFER TO LANDSCAPE/ IRRIGATION PLANS FOR IRRIGATION RELOCATION AND CONNECTION TO PROPOSED NON-POTABLE WATER LINE.
16	PROTECT EXISTING NV ENERGY POWER POLE IN PLACE.
17	PROTECT EXISTING FIRE HYDRANT IN PLACE.
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21	DEMOLISH EXISTING RAMP
22	CUT AND CAP EXISTING WATER LINE AT ROW
23	REMOVE POST WITH SIGN AND SALVAGE SIGN FOR REPLACEMENT
24	REMOVE EXISTING PIPE BOLLARD AND RELOCATE
25	SAWCUT EXISTING PAVEMENT/SAWCUT LIMITS
26	DEMOLISH EXISTING CONCRETE MOW CURB
27	REMOVE EXISTING FLAG POLE
28	REMOVE EXISTING WATER METERS AND RETURN TO LVVWD
29	ABANDON EXISTING WATER LATERAL AND GATE VALVE IN PLACE PER UDACS 2.17.04
30	REMOVE EXISTING RPPA

- NOTES:**
1. PROPERTY LINE TO BE APPROXIMATE LIMITS OF DEMOLITION.
 2. EXISTING UTILITIES SHOWN ARE APPROXIMATE.
 3. ALL ON-SITE UTILITIES TO BE LOCATED PRIOR TO CONSTRUCTION. EXISTING ON-SITE UTILITIES TO BE REMOVED AND OR ABANDONED IN PLACE AS REQUIRED TO CONSTRUCT THE PROPOSED WORK.
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 7. PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

APPROVED FOR CONSTRUCTION

Paul A. Bates
LAS VEGAS VALLEY WATER DISTRICT

PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19



GRAPHIC SCALE
0 10 20 40
HORIZONTAL: 1"= 20'

Paula Kennedy
SOUTHWEST GAS CORPORATION

8-16-19
DATE

BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.

TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
656,166.6667 FEET(US)
100,000M
328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

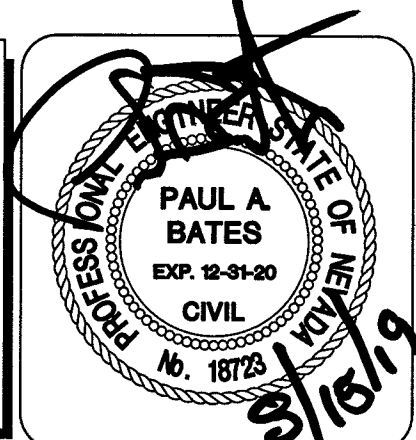
BENCHMARK
CITY OF LAS VEGAS BENCHMARK
BLV0132SW6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

FAST
Call before you Dig
Call 811
1-702-432-5300
SYSTEM OF TRANSPORTATION

Call before you Dig
Call 811
1-800-642-2444

CALL BEFORE YOU DIG
1-702-227-2929

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



REVISIONS		BY	DATE	APPROVAL
REV.	DESCRIPTION			

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.2725
Fax: +1702.263.2700

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

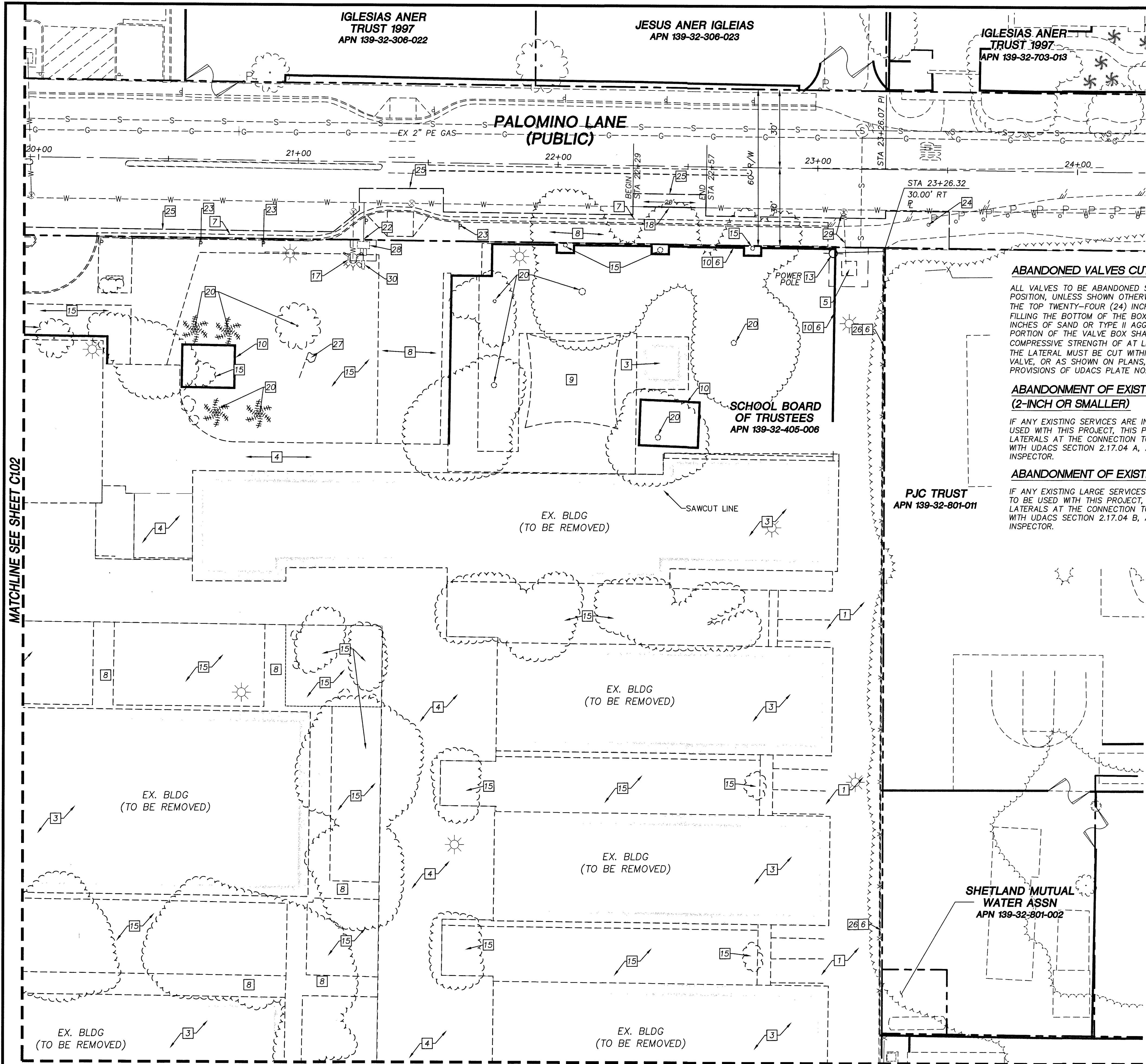
CLARK COUNTY SCHOOL DISTRICT
SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1189 MILITARY TRAIL, HENDERSON NV 89014 PHONE: 702-799-8700

DEMOLITION PLAN 1

JOB NO. 100062041
DATE: 8/24/2019
DRAWING NO. 5/34
CHECKED BY: P. BATES
HORIZ.: 1"=20'
VERT.: NONE

C102

119-00703 715-216



ABANDONED VALVES CUT AND CAP

ALL VALVES TO BE ABANDONED SHALL BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY-FOUR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE, THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING COMPRESSIVE STRENGTH OF AT LEAST TWO THOUSAND (2,000) PSI. THE LATERAL MUST BE CUT WITHIN ONE (1) FOOT OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED, IN ACCORDANCE WITH PROVISIONS OF UDACS PLATE NO. 31.

ABANDONMENT OF EXISTING SERVICES (2-INCH OR SMALLER)

IF ANY EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT TO BE USED WITH THIS PROJECT, THIS PROJECT SHALL ABANDON ALL LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH UDACS SECTION 2.17.04 A, AND COORDINATE WITH THE LVVWD INSPECTOR.

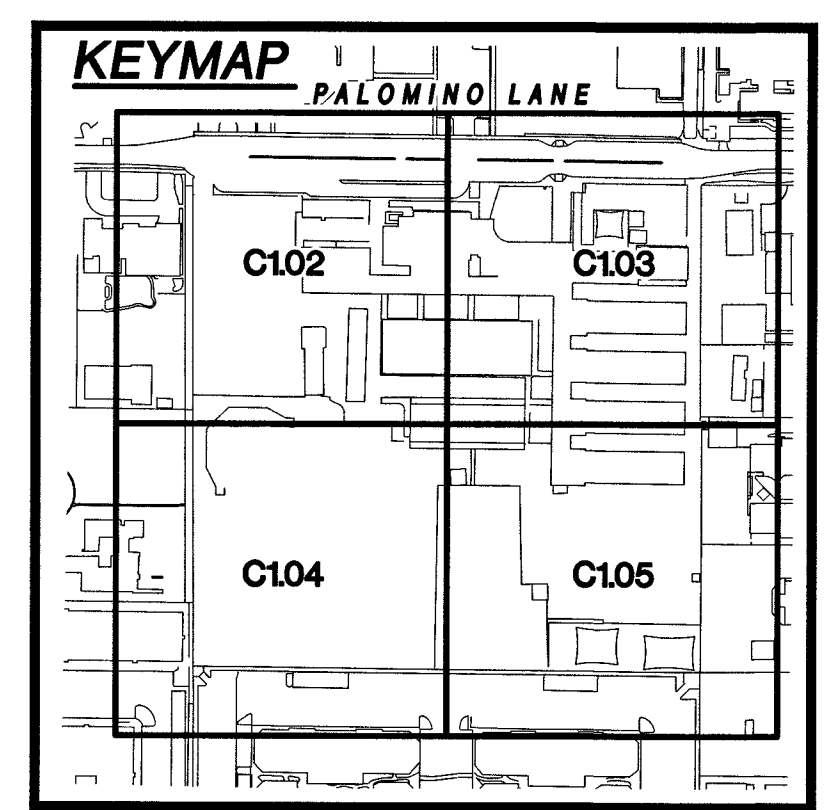
ABANDONMENT OF EXISTING LARGE SERVICES

IF ANY EXISTING LARGE SERVICES ARE INCORRECTLY LOCATED OR NOT TO BE USED WITH THIS PROJECT, THIS PROJECT SHALL ABANDON ALL LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH UDACS SECTION 2.17.04 B, AND COORDINATE WITH THE LVVWD INSPECTOR.

SITE PLAN DEMOLITION NOTES	
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30	REMOVE EXISTING RPPA

NOTES:

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GRAPHIC SCALE
0 10 20 40
HORIZONTAL: 1" = 20'

Paula Kennedy
SOUTHWEST GAS CORPORATION

8.16.19
DATE

APPROVED FOR CONSTRUCTION

Paula Kennedy
LAS VEGAS VALLEY WATER DISTRICT

PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (DORS2011) EPOCH 2010.00.

TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
ELEVATION = 640.727M (NAVD'88)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

FAST
Call before you Dig
Underground
1-702-432-6300
1-800-642-2444

Call before you Dig
Overhead
1-702-227-2929

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PAUL A. BATES
CIVIL
EXP. 12-31-20
9/13/19

ATKINS
2270 Corporate Circle, Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107
CONSTRUCTION MANAGEMENT DEPARTMENT
1100 MILITARY TRAIL, HENDERSON, NV 89014 PHONE: 702-795-8700

DEMOLITION PLAN 2

REVISIONS
BY DATE APPROVAL
DESCRIPTION
REV.

JOB NO. 100062041
DATE 6/24/2019
DRAWING NO. 6/34
HORIZ. 1" = 20'
VERT. NONE

C103
C104

139-00703 715-216

MATCHLINE SEE SHEET C102



MIDTOWN MODERN LLC
APN 139-32-413-005

MIDTOWN MODERN LLC
APN 139-32-413-004

SCHOOL BOARD
OF TRUSTEES
APN 139-32-405-006

OMNINET WESTBAY LP
APN 139-32-405-026

SUBDIVISION COMMON AREA
APN 139-32-497-001

MATCHLINE SEE SHEET C105

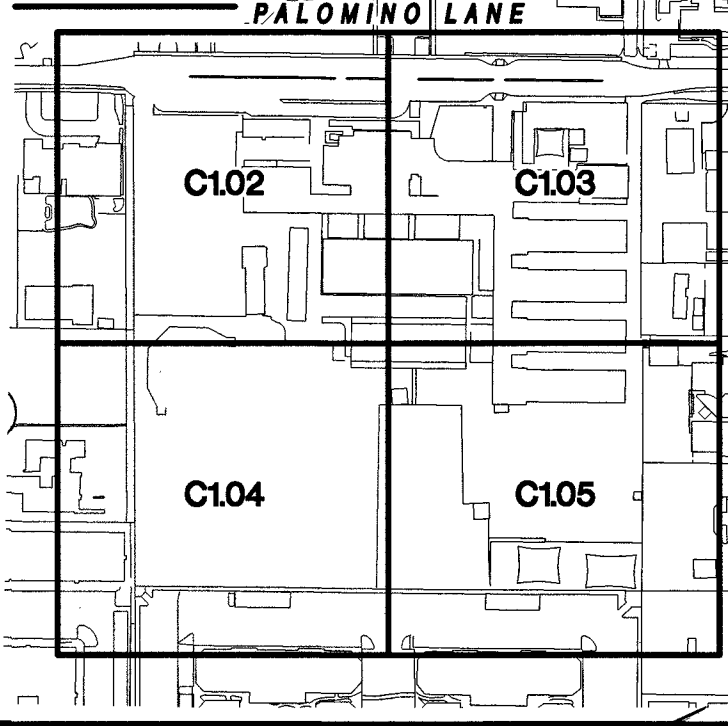
SITE PLAN DEMOLITION NOTES

- DEMOLISH EXISTING ASPHALT PAVEMENT.
- DEMOLISH EXISTING BASKETBALL COURT.
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KEYMAP



APPROVED FOR CONSTRUCTION

James Shaden
LAS VEGAS VALLEY WATER DISTRICT
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.

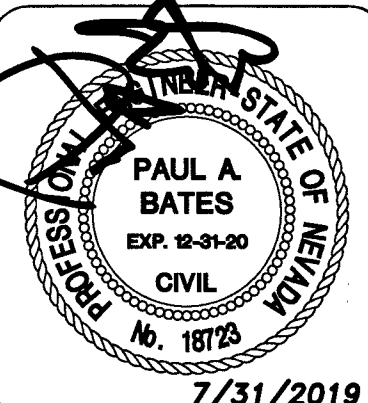
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328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE 2005-2007)
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Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1180 MILITARY TRAIL, HENDERSON, NV 89011
PHONE: 702-796-8710

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

DESIGNED BY: J. CABRERA
DRAWN BY: J. CABRERA
DATE: 6/24/2019
CHECKED BY: P. BATES
DRAWING NO. 7/34
HORIZ.: 1"=20'
VERT.: NONE
C104
119-00703 715-216

MATCHLINE SEE SHEET C103

MATCHLINE SEE SHEET C104

EX. BLDG
(TO BE REMOVED)

EX. BLDG
(TO BE REMOVED)

KOTCHKA-SMITH
FAMILY TRUST
APN 139-32-801-003

SCHOOL BOARD
OF TRUSTEES
APN 139-32-405-006

MCDONALD RONDALL AND
TONI LIV TR
APN 139-32-801-004

SUBDIVISION COMMON AREA
APN 139-32-497-002

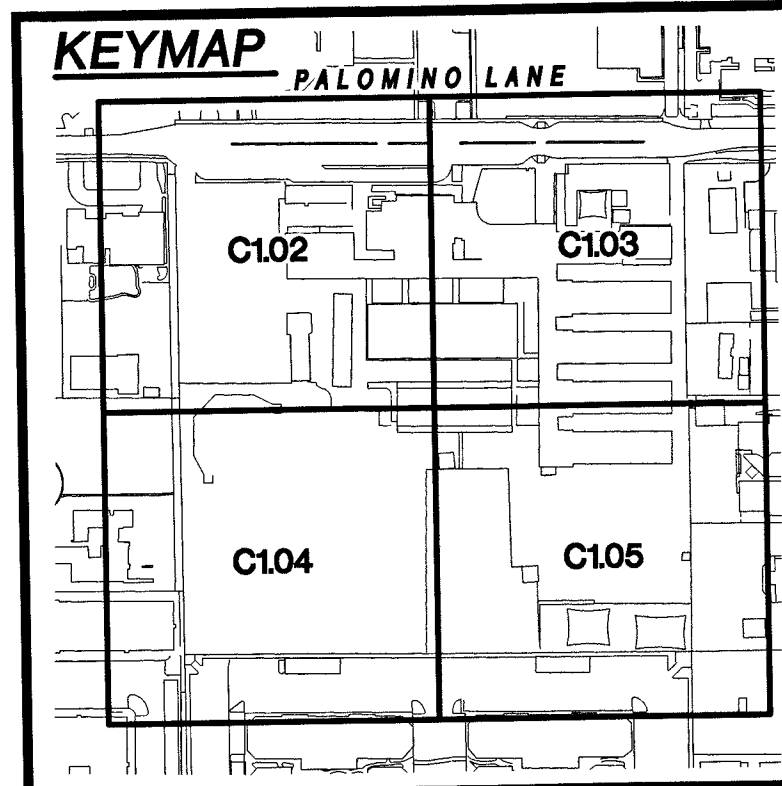
810 SHETLAND LLC
APN 139-32-801-013



SITE PLAN DEMOLITION NOTES	
1	DEMOLISH EXISTING ASPHALT PAVEMENT.
2	DEMOLISH EXISTING BASKETBALL COURT.
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14	REMOVE EXISTING LIGHT, POLE AND POLE FOUNDATION
15	EXISTING IRRIGATION/ LANDSCAPE IMPROVEMENTS TO BE REMOVED/ RELOCATED. REFER TO LANDSCAPE/ IRRIGATION PLANS FOR IRRIGATION RELOCATION AND CONNECTION TO PROPOSED NON-POTABLE WATER LINE.
16	PROTECT EXISTING NV ENERGY POWER POLE IN PLACE.
17	PROTECT EXISTING FIRE HYDRANT IN PLACE.
18	REMOVE EXISTING 6" ACP WATER LINE PER UDACS 3.11.03-B
19	PROTECT EXISTING WALL IN PLACE.
20	PROTECT IN PLACE EXISTING TREES/LANDSCAPING IN PLACE
21	DEMOLISH EXISTING RAMP
22	CUT AND CAP EXISTING WATER LINE AT ROW
23	REMOVE POST WITH SIGN AND SALVAGE SIGN FOR REPLACEMENT
24	REMOVE EXISTING PIPE BOLLARD AND RELOCATE
25	SAWCUT EXISTING PAVEMENT/SAWCUT LIMITS
26	DEMOLISH EXISTING CONCRETE MOW CURB
27	REMOVE EXISTING FLAG POLE
28	REMOVE EXISTING WATER METERS AND RETURN TO LVVWD
29	ABANDON EXISTING WATER LATERAL AND GATE VALVE IN PLACE PER UDACS 2.17.04
30	REMOVE EXISTING RPPA

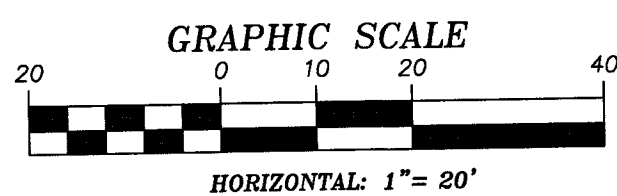
NOTES:

- PROPERTY LINE TO BE APPROXIMATE LIMITS OF DEMOLITION.
- EXISTING UTILITIES SHOWN ARE APPROXIMATE.
- ALL ON-SITE UTILITIES TO BE LOCATED PRIOR TO CONSTRUCTION. EXISTING ON-SITE UTILITIES TO BE REMOVED AND OR ABANDONED IN PLACE AS REQUIRED TO CONSTRUCT THE PROPOSED WORK.
- ALL DEBRIS TO BE HANDLED AND DISPOSED OF OFFSITE.
- ALL BUILDING SLABS AND FOOTINGS SHALL BE REMOVED AND DISPOSED OF OFFSITE.
- ALL EXISTING PLAYGROUND EQUIPMENT SHALL BE DEMOLISHED AND DISPOSED OF OFFSITE.
- PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.



APPROVED FOR CONSTRUCTION

James H. Hester
LAS VEGAS VALLEY WATER DISTRICT
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19



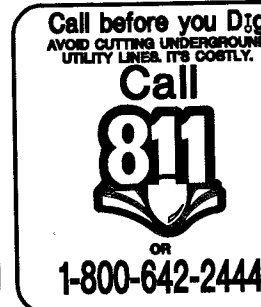
BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

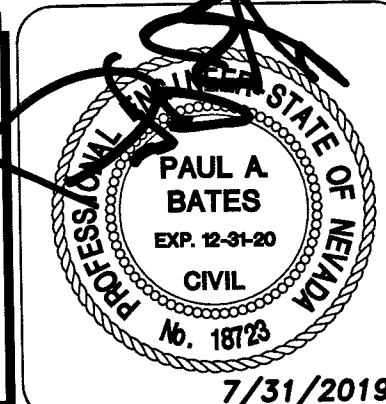
TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000
FALSE EASTING: 100,000
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLVD132SW6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



DESIGNED BY: J. CABRERA	DRAWN BY: M. FREY	CHECKED BY: P. BATES	HORIZ.: 1"=20'	VERT.: NONE
PROJECT NO. 100062041	DATE: 8/24/2019	DRAWING NO. 8/24	C105	
19-00703	715-216			

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

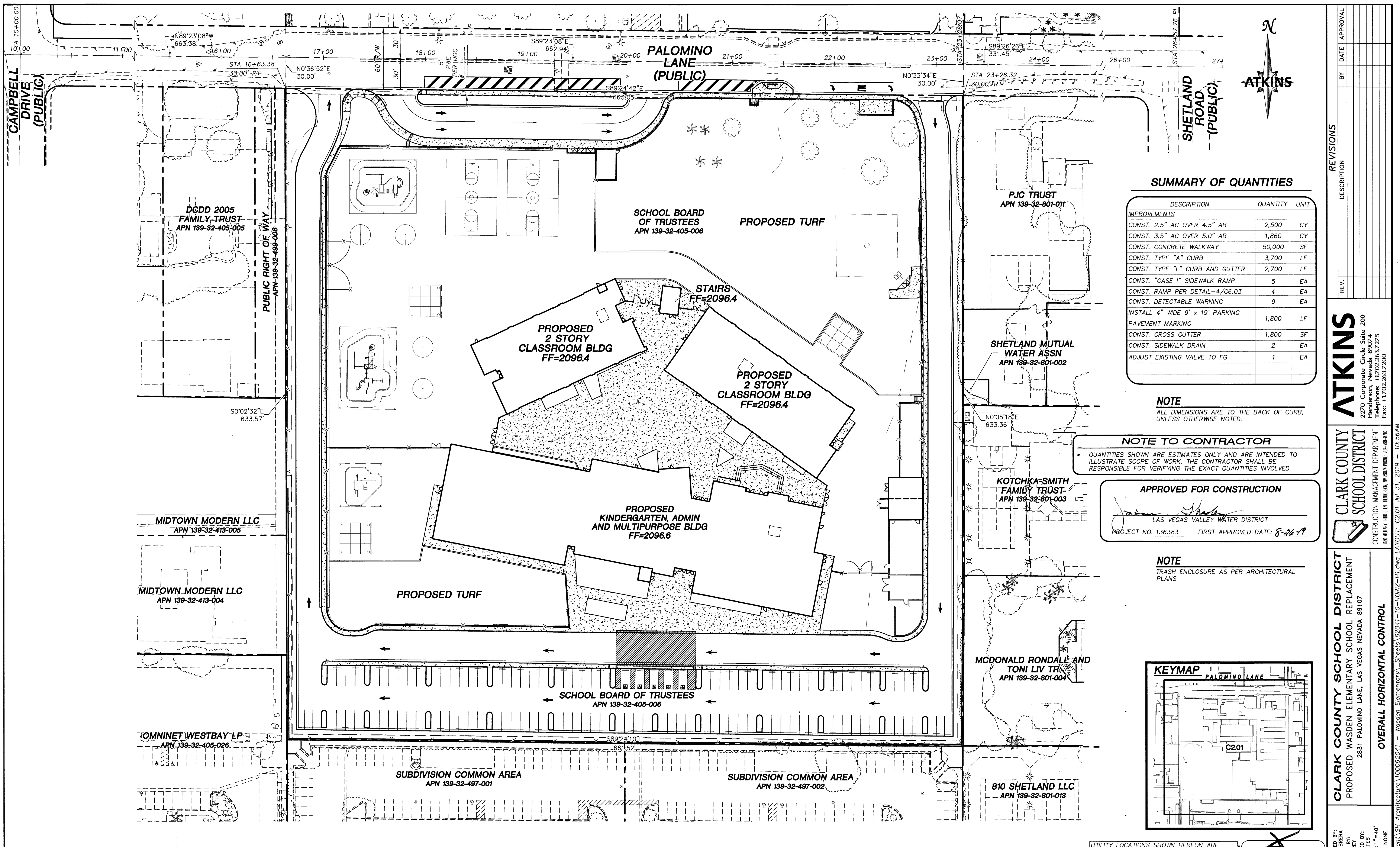
DEMOLITION PLAN 4

CLARK COUNTY
SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1800 MILITARY TRAIL IN HENDERSON, NV 89011 PHONE: 702-795-8710

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

REVISIONS

REV.	DESCRIPTION	BY	DATE	APPROVAL



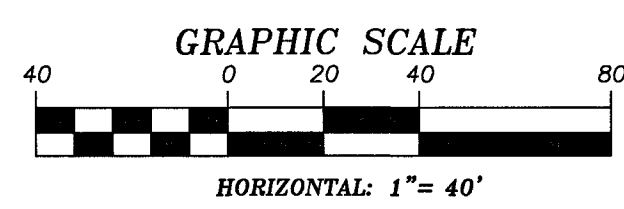
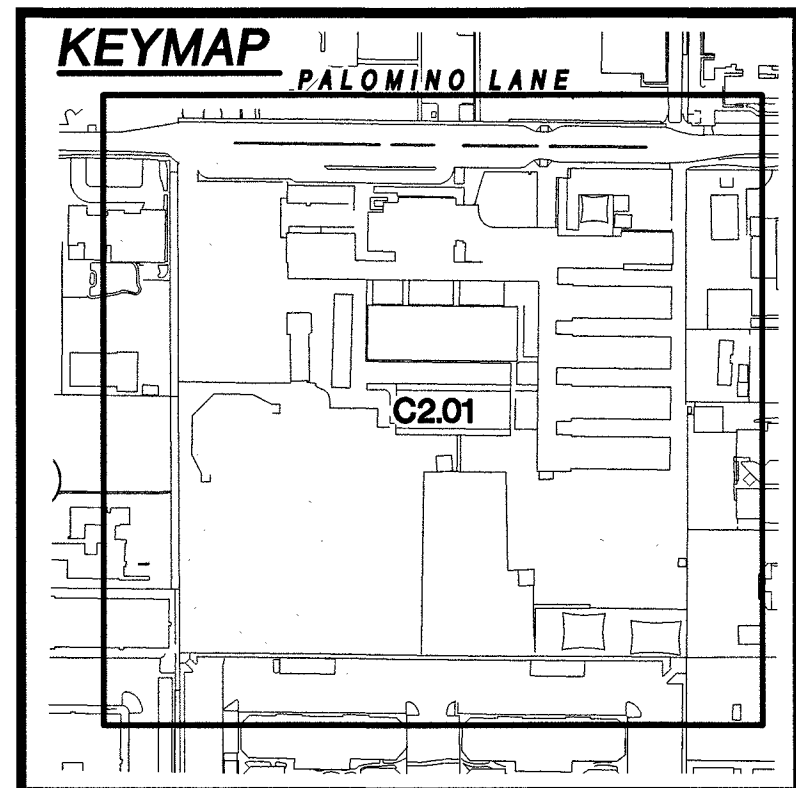
SUMMARY OF QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
IMPROVEMENTS		
CONST. 2.5" AC OVER 4.5" AB	2,500	CY
CONST. 3.5" AC OVER 5.0" AB	1,860	CY
CONST. CONCRETE WALKWAY	50,000	SF
CONST. TYPE "A" CURB	3,700	LF
CONST. TYPE "L" CURB AND GUTTER	2,700	LF
CONST. "CASE 1" SIDEWALK RAMP	5	EA
CONST. RAMP PER DETAIL-4/C6.03	4	EA
CONST. DETECTABLE WARNING	9	EA
INSTALL 4" WIDE 9' x 19' PARKING	1,800	LF
PAVEMENT MARKING		
CONST. CROSS GUTTER	1,800	SF
CONST. SIDEWALK DRAIN	2	EA
ADJUST EXISTING VALVE TO FG	1	EA

NOTE
ALL DIMENSIONS ARE TO THE BACK OF CURB, UNLESS OTHERWISE NOTED.

NOTE TO CONTRACTOR
QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

APPROVED FOR CONSTRUCTION
John M. Bates
LAS VEGAS VALLEY WATER DISTRICT
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

NOTE
TRASH ENCLOSURE AS PER ARCHITECTURAL PLANS



BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
656,166,667 FEET(US)
FALSE EASTING: 100,000M
328,083,333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

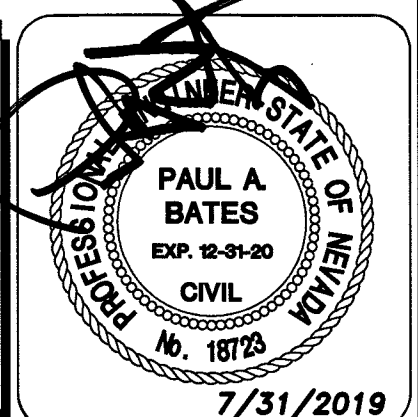
BENCHMARK
CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

Call before you Dig
1-702-432-6300

Call before you Dig
1-800-642-2444

Call before you Dig
1-702-227-2929

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

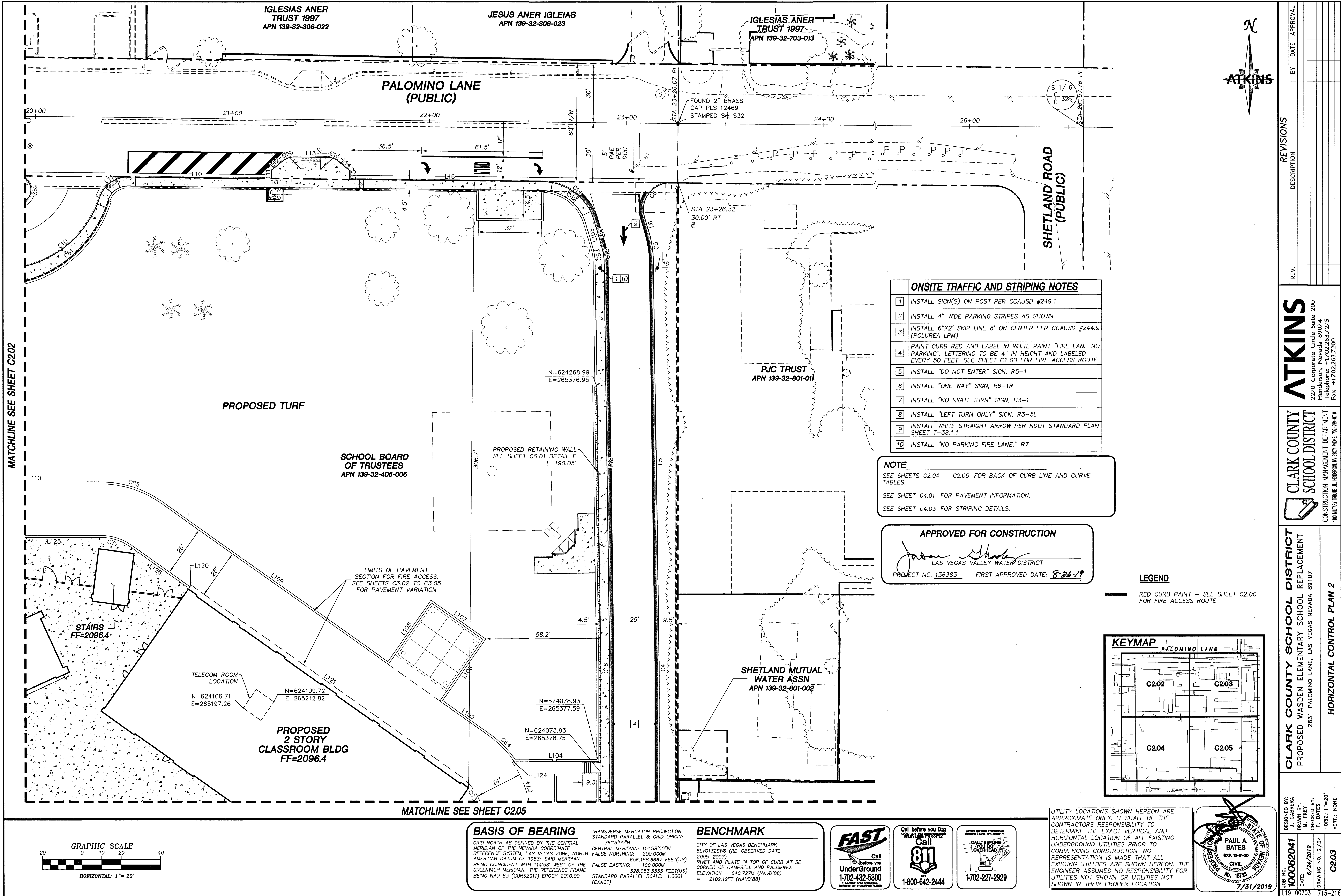
CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASHDEN ELEMENTARY SCHOOL REPLACEMENT
2851 PALOMINO LANE, LAS VEGAS NEVADA 89107
OVERALL HORIZONTAL CONTROL

DESIGNED BY: J. CABRERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO: 10/1/34
VERT: NONE
HORIZ: 1"=40'

PROJECT: Land Development\SH Architecture\00062041 - Washden Elementary\10-HORIZ-H1.dwg LAYOUT: C2.01 Jul 31, 2019 - 10:56AM
PROJ.#: 136383A QS: 136-32-SW

REVISIONS
DESCRIPTION
BY DATE APPROVAL

JOB NO. 100062041
DATE: 6/24/2019
DRAWING NO: 10/1/34
VERT: NONE
HORIZ: 1"=40'

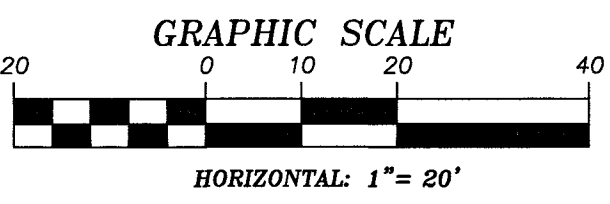
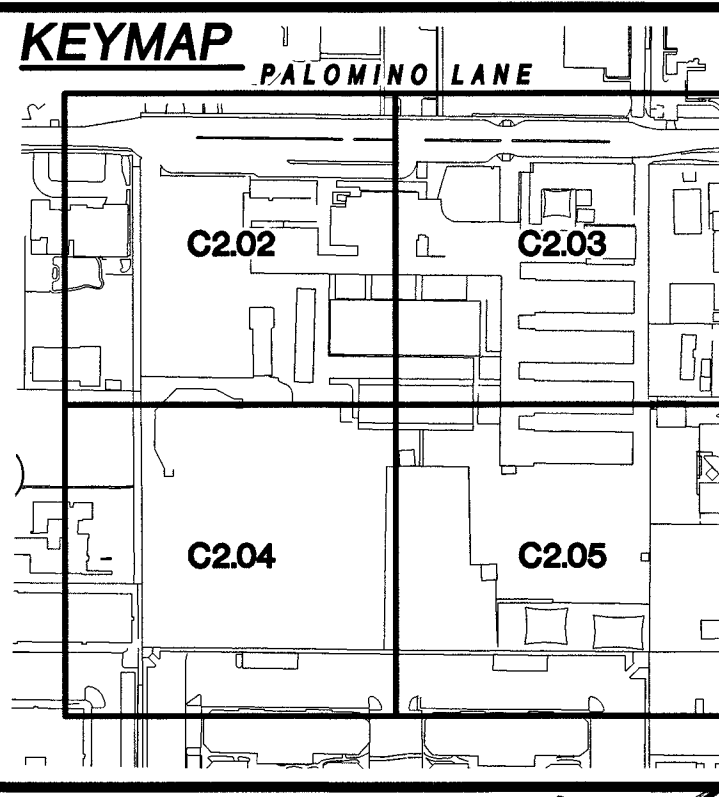


ONSITE TRAFFIC AND STRIPING NOTES	
1	INSTALL SIGN(S) ON POST PER CCAUSD #249.1
2	INSTALL 4" WIDE PARKING STRIPES AS SHOWN
3	INSTALL 6"x2' SKIP LINE 8' ON CENTER PER CCAUSD #244.9 (POLUREA LPM)
4	PAINT CURB RED AND LABEL IN WHITE PAINT "FIRE LANE NO PARKING". LETTERING TO BE 4" IN HEIGHT AND LABELED EVERY 50 FEET. SEE SHEET C2.00 FOR FIRE ACCESS ROUTE
5	INSTALL "DO NOT ENTER" SIGN, R5-1
6	INSTALL "ONE WAY" SIGN, R6-1R
7	INSTALL "NO RIGHT TURN" SIGN, R3-1
8	INSTALL "LEFT TURN ONLY" SIGN, R3-5L
9	INSTALL WHITE STRAIGHT ARROW PER NDOT STANDARD PLAN SHEET T-38.1.1
10	INSTALL "NO PARKING FIRE LANE," R7

NOTE
SEE SHEETS C2.04 - C2.05 FOR BACK OF CURB LINE AND CURVE TABLES.
SEE SHEET C4.01 FOR PAVEMENT INFORMATION.
SEE SHEET C4.03 FOR STRIPING DETAILS.

APPROVED FOR CONSTRUCTION
James Shallen
LAS VEGAS VALLEY WATER DISTRICT
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

LEGEND
RED CURB PAINT - SEE SHEET C2.00 FOR FIRE ACCESS ROUTE



BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.
TRANSVERSE MERCATOR PROJECTION STANDARD PARALLEL & GRID ORIGIN: 36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
328,083.333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

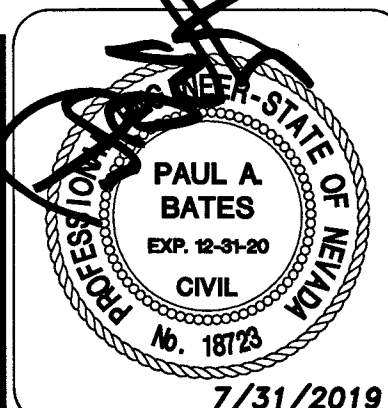
BENCHMARK
CITY OF LAS VEGAS BENCHMARK BLV01325W6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO, ELEVATION = 640.727M (NAVD'88) = 2102.12 FT (NAVD'88)

Call before you Dig
1-800-442-6300

Call before you Dig
1-800-642-2444

Call before you Dig
1-702-227-2929

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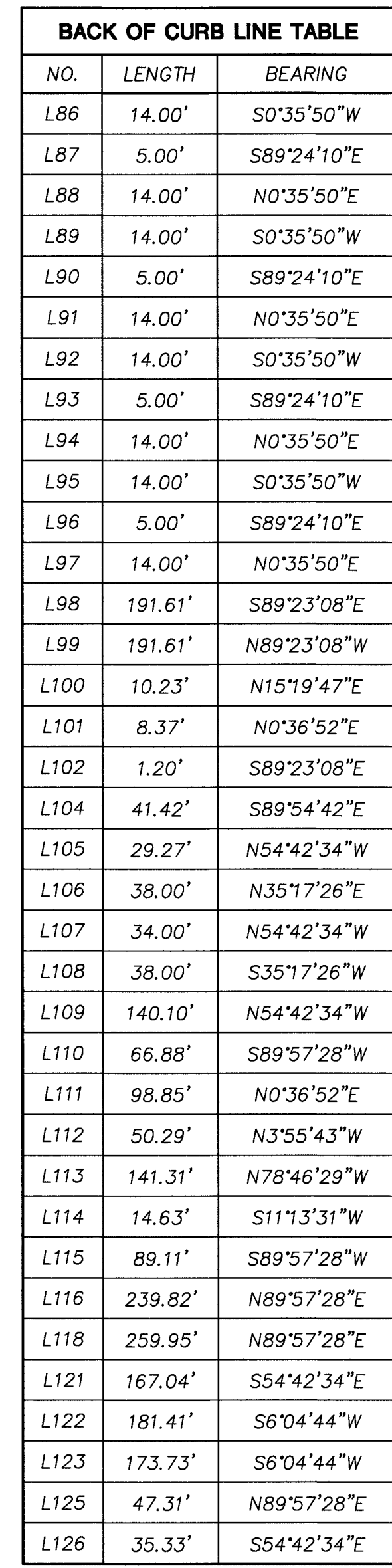
ATKINS
CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107
HORIZONTAL CONTROL PLAN 2

REV.	DESCRIPTION	BY	DATE	APPROVAL

DESIGNED BY: J. GABRIELA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO. 12-134
HORIZ.: 1"=20'
VERT.: NONE

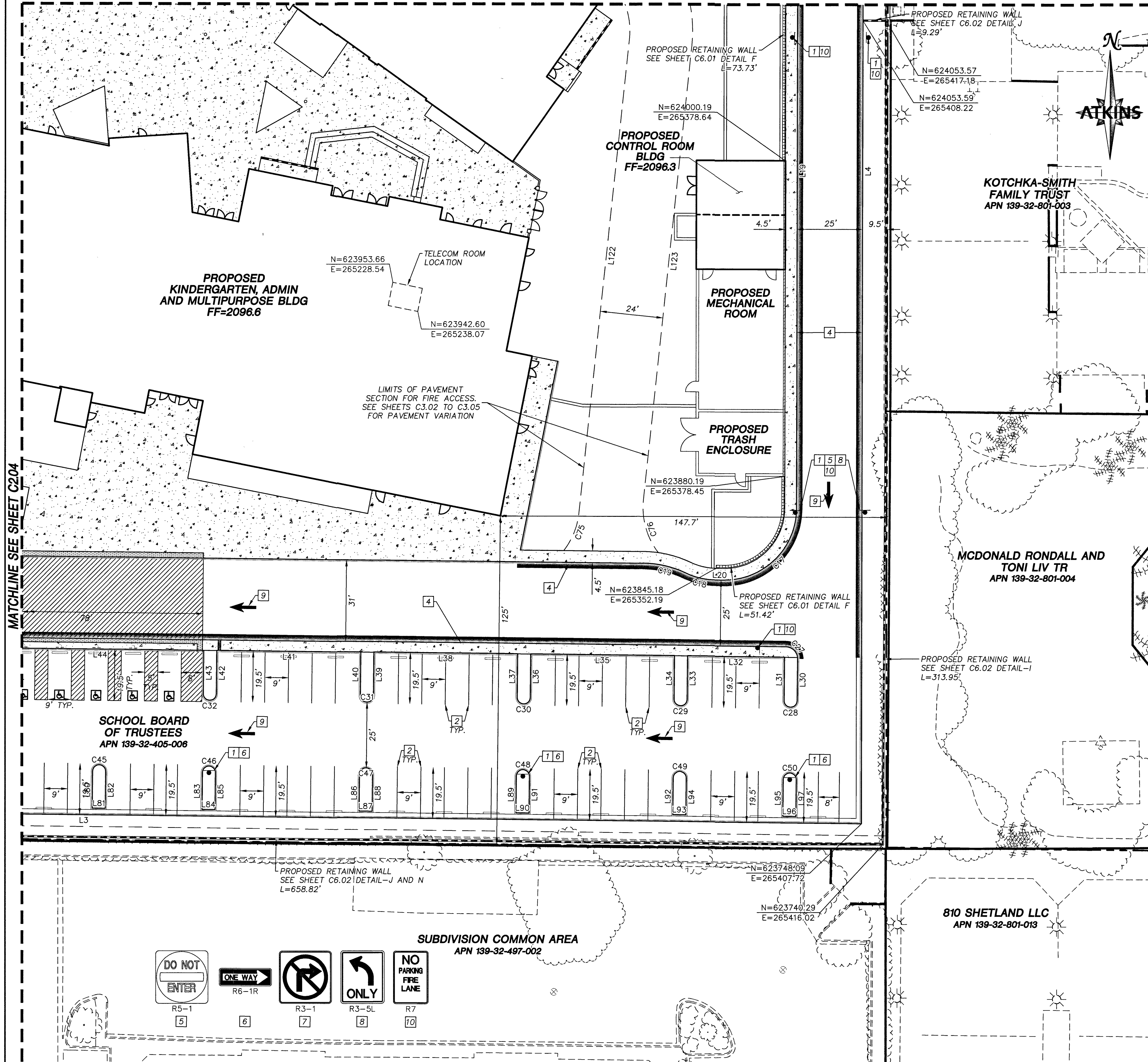
PROJECT NO. 100062041
SHEET NO. C2.03
DATE: 7/31/2019
L19-00703 715-216



BACK OF CURB LINE TABLE		
NO.	LENGTH	BEARING
L86	14.00'	S0°35'50"W
L87	5.00'	S89°24'10"E
L88	14.00'	N0°35'50"E
L89	14.00'	S0°35'50"W
L90	5.00'	S89°24'10"E
L91	14.00'	N0°35'50"E
L92	14.00'	S0°35'50"W
L93	5.00'	S89°24'10"E
L94	14.00'	N0°35'50"E
L95	14.00'	S0°35'50"W
L96	5.00'	S89°24'10"E
L97	14.00'	N0°35'50"E
L98	191.61'	S89°23'08"E
L99	191.61'	N89°23'08"W
L100	10.23'	N15°19'47"E
L101	8.37'	N0°36'52"E
L102	1.20'	S89°23'08"E
L104	41.42'	S89°54'42"E
L105	29.27'	N54°42'34"W
L106	38.00'	N35°17'26"E
L107	34.00'	N54°42'34"W
L108	38.00'	S35°17'26"W
L109	140.10'	N54°42'34"W
L110	66.88'	S89°57'28"W
L111	98.85'	N0°36'52"E
L112	50.29'	N3°55'43"W
L113	141.31'	N78°46'29"W
L114	14.63'	S11°13'31"W
L115	89.11'	S89°57'28"W
L116	239.82'	N89°57'28"E
L118	259.95'	N89°57'28"E
L121	167.04'	S54°42'34"E
L122	181.41'	S6°04'44"W
L123	173.73'	S6°04'44"W
L125	47.31'	N89°57'28"E
L126	35.33'	S54°42'34"E

	APPROVED FOR CONSTRUCTION  LAS VEGAS VALLEY WATER DISTRICT PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19	BASIS OF BEARING GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.	BENCHMARK CITY OF LAS VEGAS BENCHMARK BLV01325W6 (RE-OBSERVED DATE 2005-2007) RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALMADINO, ELEVATION = 640.727M (NAVD'88) = 2102.12FT (NAVD'88)	FAST Call before you Dig 811 1-702-432-5300 FAST FEDERAL AGENCY SYSTEM OF TRANSPORTATION	Call before you Dig 811 1-800-642-2444	CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929	CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.	 7/31/2019	
JOB NO. 100062041 DATE: 6/24/2019 DRAWING NO. 13/374 C204 L19-00703 715-216									DE. J. DR. M. CA. NO. VE. PROJECT: Las Vegas Valley Water District PROJ.#: 136383 QS-136-3

MATCHLINE SEE SHEET C2.03

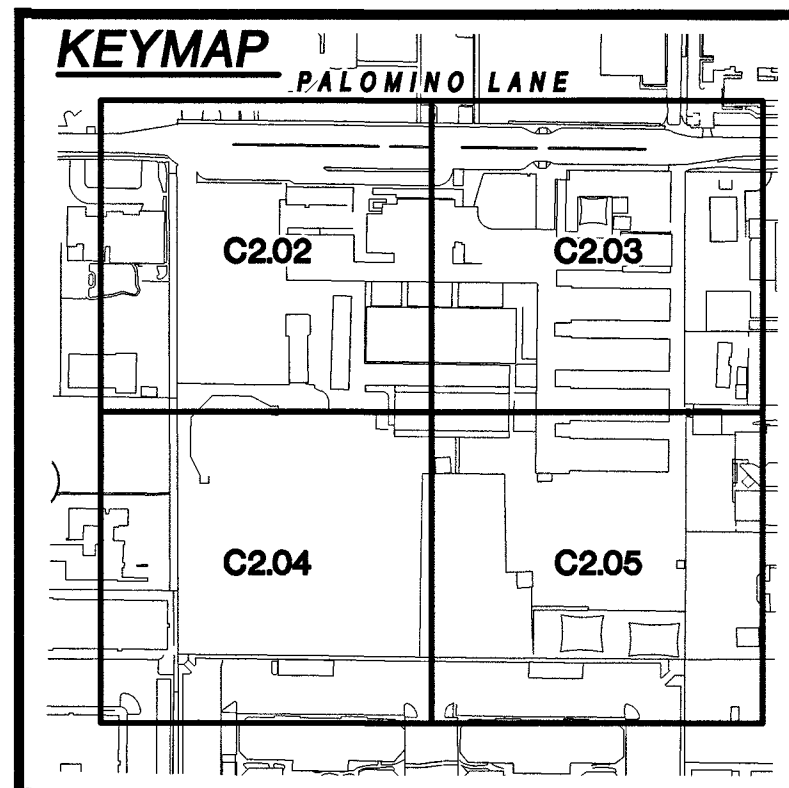


BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C1	27.50'	109°28'01"	52.54'	38.89'
C2	163.50'	9°35'52"	27.39'	13.73'
C3	52.50'	29°43'17"	27.23'	13.93'
C4	324.50'	0°50'48"	4.80'	2.40'
C5	52.50'	15°41'33"	14.38'	7.23'
C6	13.50'	107°03'56"	25.23'	18.27'
C7	15.00'	90°00'00"	23.56'	15.00'
C8	27.50'	65°38'17"	31.50'	17.74'
C9	52.50'	65°38'17"	60.14'	33.86'
C10	52.50'	72°19'11"	66.27'	38.37'
C11	15.00'	72°19'11"	18.93'	10.96'
C12	9.50'	39°18'26"	6.52'	3.39'
C13	9.50'	39°18'26"	6.52'	3.39'
C14	27.50'	72°56'04"	35.01'	20.32'
C15	27.50'	15°41'33"	7.53'	3.79'
C16	299.50'	0°50'48"	4.43'	2.21'
C17	27.50'	90°30'32"	43.44'	27.75'
C18	27.50'	24°14'59"	11.64'	5.91'
C19	40.50'	24°14'59"	17.14'	8.70'
C20	20.50'	28°57'18"	10.36'	5.29'
C21	27.50'	28°57'18"	13.90'	7.10'
C22	27.50'	89°21'39"	42.89'	27.19'
C23	27.50'	29°43'17"	14.27'	7.30'
C24	188.50'	10°49'05"	35.59'	17.85'
C25	52.50'	18°14'48"	16.72'	8.43'
C26	4.50'	90°00'00"	7.07'	4.50'
C27	4.50'	90°00'00"	7.07'	4.50'
C28	2.50'	180°00'00"	7.85'	INFINITY
C29	2.50'	180°00'00"	7.85'	INFINITY
C30	2.50'	180°00'00"	7.85'	INFINITY
C31	2.50'	180°00'00"	7.85'	INFINITY
C32	2.50'	180°00'00"	7.85'	INFINITY
C33	2.50'	180°00'00"	7.85'	INFINITY
C34	2.50'	180°00'00"	7.85'	INFINITY
C35	2.50'	180°00'00"	7.85'	INFINITY
C36	2.50'	180°00'00"	7.85'	INFINITY
C37	2.50'	180°00'00"	7.85'	INFINITY

BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C38	2.50'	180°00'00"	7.85'	INFINITY
C39	2.50'	180°00'00"	7.85'	INFINITY
C40	2.50'	180°00'00"	7.85'	INFINITY
C41	2.50'	180°00'00"	7.85'	INFINITY
C42	2.50'	180°00'00"	7.85'	INFINITY
C43	2.50'	180°00'00"	7.85'	INFINITY
C44	2.50'	180°00'00"	7.85'	INFINITY
C45	2.50'	180°00'00"	7.85'	INFINITY
C46	2.50'	180°00'00"	7.85'	INFINITY
C47	2.50'	180°00'00"	7.85'	INFINITY
C48	2.50'	180°00'00"	7.85'	INFINITY
C49	2.50'	180°00'00"	7.85'	INFINITY
C50	2.50'	180°00'00"	7.85'	INFINITY
C51	7.00'	180°00'00"	21.99'	INFINITY
C52	7.00'	180°00'00"	21.99'	INFINITY
C53	23.00'	29°43'17"	11.93'	6.10'
C54	193.00'	3°55'21"	13.21'	6.61'
C55	200.00'	3°37'18"	12.64'	6.32'
C56	58.50'	14°02'55"	14.34'	7.21'
C57	25.00'	14°42'56"	6.42'	3.23'
C58	7.50'	90°00'00"	11.78'	7.50'
C59	20.00'	65°47'57"	22.97'	12.94'
C60	60.50'	65°47'57"	69.48'	39.14'
C61	60.50'	73°13'05"	77.31'	44.95'
C62	23.00'	72°56'04"	29.28'	17.00'
C63	23.00'	15°41'33"	6.30'	3.17'
C64	54.00'	19°20'36"	18.23'	9.20'
C65	54.00'	35°19'58"	33.30'	17.20'
C70	28.00'	45°35'05"	22.28'	11.77'
C71	28.00'	45°35'05"	22.28'	11.77'
C72	26.00'	35°19'58"	16.03'	8.28'
C73	28.00'	60°47'18"	29.71'	16.42'
C74	52.00'	40°53'23"	37.11'	19.38'
C75	28.00'	31°54'06"	15.59'	8.00'
C76	28.00'	43°51'12"	21.43'	11.27'

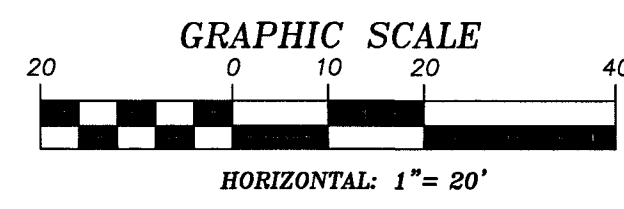
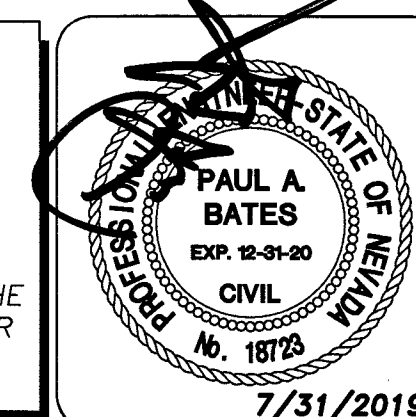
LEGEND

RED CURB PAINT - SEE SHEET C2.00 FOR FIRE ACCESS ROUTE



ONSITE TRAFFIC AND STRIPING NOTES	
1	INSTALL SIGN(S) ON POST PER CCAUSD #249.1
2	INSTALL 4" WIDE PARKING STRIPES AS SHOWN
3	INSTALL 6"x2' SKIP LINE 8' ON CENTER PER CCAUSD #244.9 (POLUREA LPM)
4	PAINT CURB RED AND LABEL IN WHITE PAINT "FIRE LANE NO PARKING". LETTERING TO BE 4" IN HEIGHT AND LABELED EVERY 50 FEET. SEE SHEET C2.00 FOR FIRE ACCESS ROUTE
5	INSTALL "DO NOT ENTER" SIGN, R5-1
6	INSTALL "ONE WAY" SIGN, R6-1R
7	INSTALL "NO RIGHT TURN" SIGN, R3-1
8	INSTALL "LEFT TURN ONLY" SIGN, R3-5L
9	INSTALL WHITE STRAIGHT ARROW PER NDOT STANDARD PLAN SHEET T-38.1.1
10	INSTALL "NO PARKING FIRE LANE," R7

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.
TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

BENCHMARK
CITY OF LAS VEGAS BENCHMARK
BLV01325WB (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

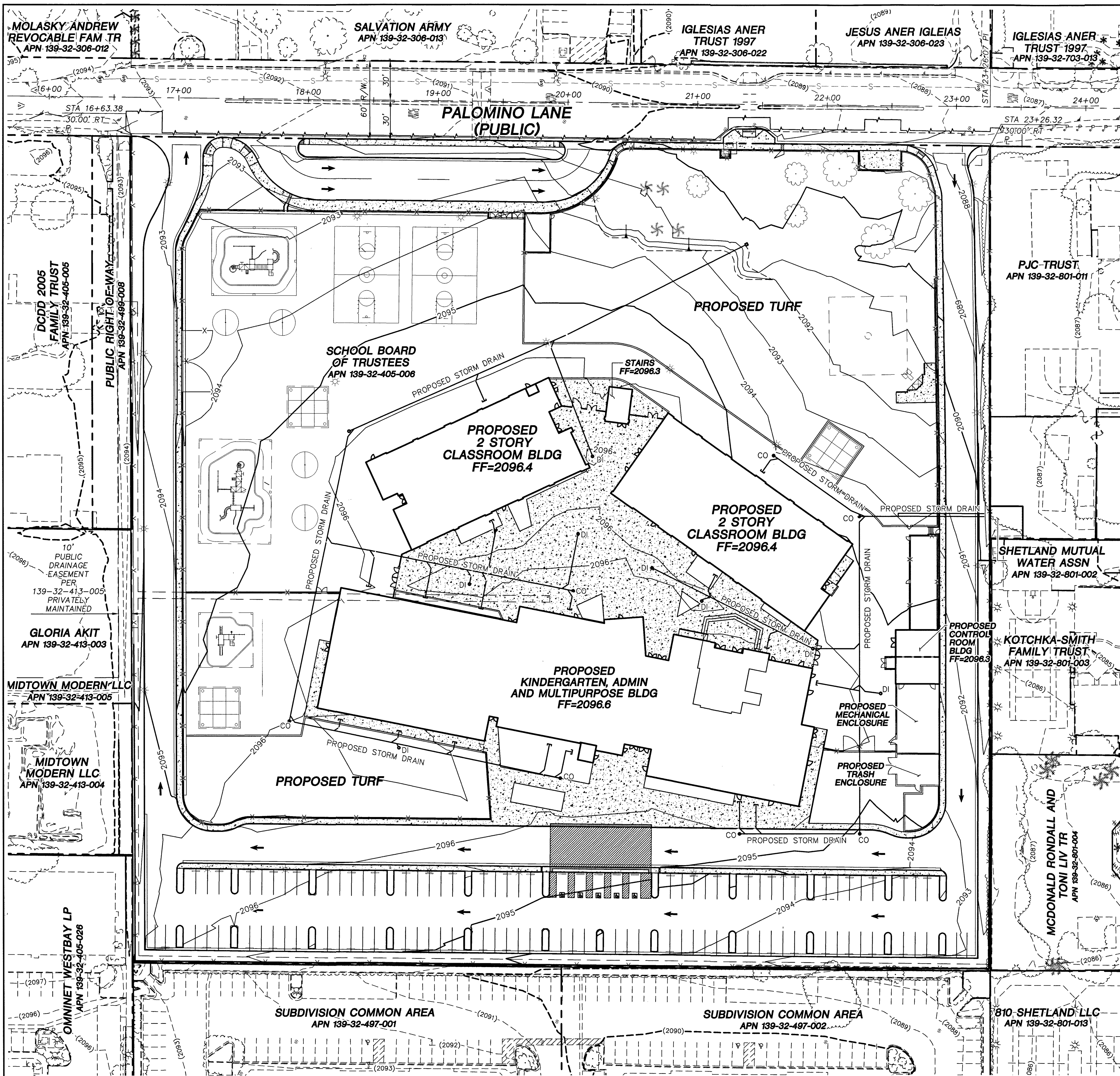
CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

HORIZONTAL CONTROL PLAN 4

DESIGNED BY: J. CARERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO. 14/34
HORIZ.: 1"=20'
VERT.: NONE

JOB NO. 100062041
DATE: 6/24/2019
DRAWING NO. 14/34
HORIZ.: 1"=20'
VERT.: NONE

9/31/2019
119-00703 715-218



SUMMARY OF QUANTITIES

DESCRIPTION	QUANTITY	UNIT
4" SDR-35 STORM DRAIN PIPE	230	LF
6" SDR-35 STORM DRAIN PIPE	216	LF
8" SDR-35 STORM DRAIN PIPE	406	LF
12" SDR-35 STORM DRAIN PIPE	1,657	LF
STORM DRAIN AREA DRAIN	8	EA
STORM DRAIN CLEAN OUT	10	EA
4" PERFORATED PIPE	1,600	LF

MASTER PLAN NOTE

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. IT IS AN OVERALL REPRESENTATION OF THE UTILITY FOR REVIEW AND COORDINATION WITH OTHER PROJECT DETAILS WITHIN THIS PLAN SET.

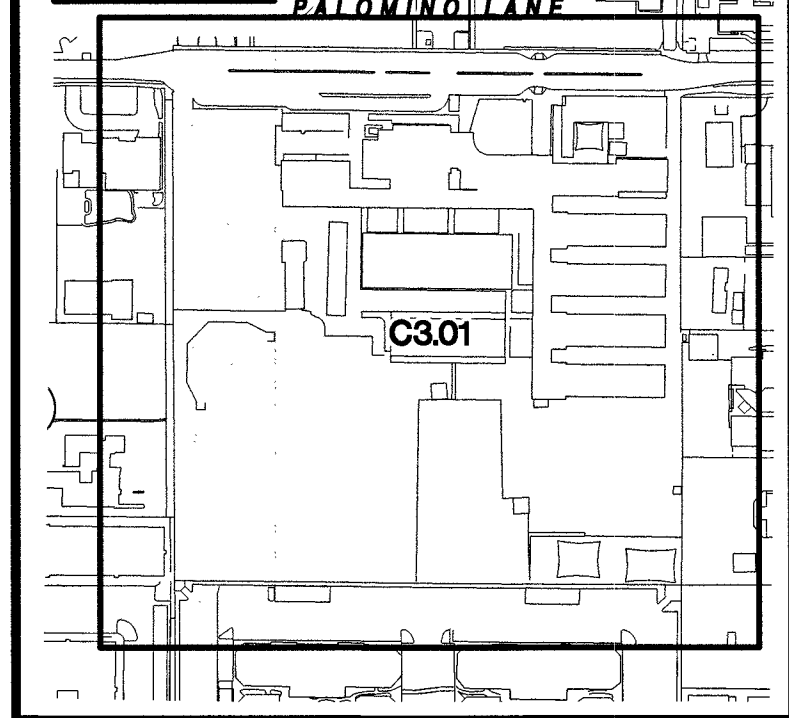
DRAINAGE NOTES

- SEE SHEETS C3.02 TO C3.05 FOR CONSTRUCTION NOTES AND INFORMATION RELATED TO STORM DRAIN.
- ALL STORM DRAIN MATERIAL TO BE PVC SDR-35, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROVIDE 6" MINIMUM OF CLEARANCE BETWEEN OUTSIDE OF PIPE TO INSIDE WALL OF STORM DRAIN STRUCTURES.

NOTE TO CONTRACTOR

- QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

KEYMAP



GRADING PLAN CERTIFICATION

NAME: PAUL A. BATES PE: 18723 DATE: 4/16/19
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT. DS#5097

BASIS OF BEARING

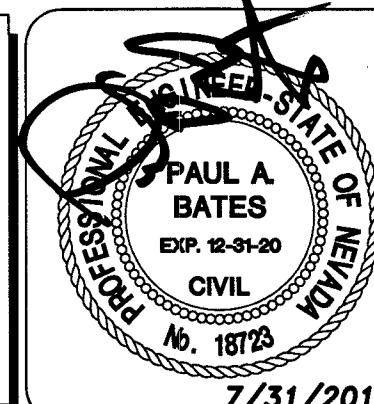
GRID NORTH AS DEFINED BY THE CENTRAL STANDARD PARALLEL & GRID ORIGIN:
TRANSVERSE MERCATOR PROJECTION
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING CONJUGATE WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CONR2011) EPOCH 2010.00.
STANDARD PARALLEL SCALE: 1.0001 (EXACT)
FALSE NORTHING: 200,000
FALSE EASTING: 100,000
328,083.3333 FEET (US)
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



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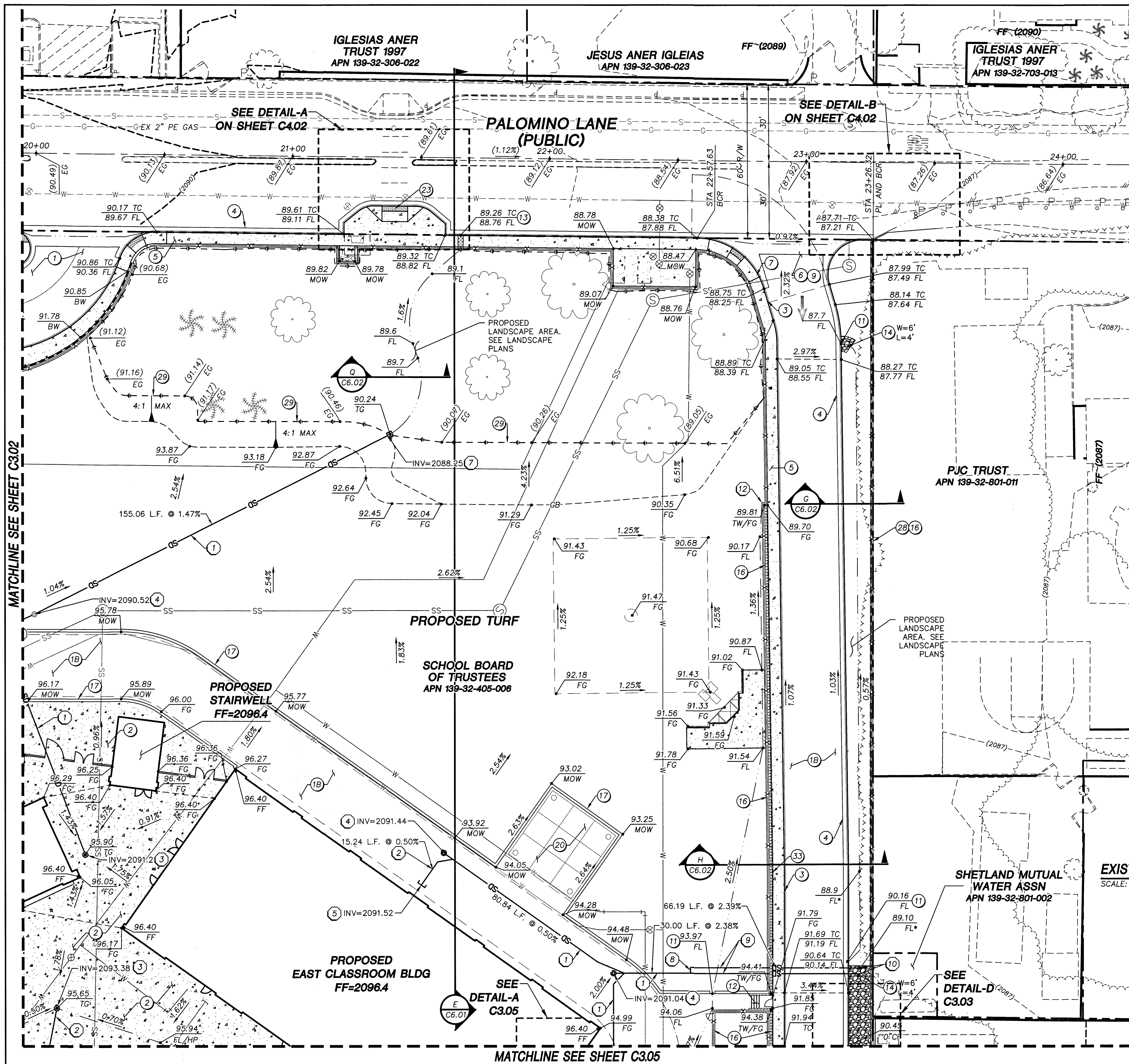
DESIGNED BY: J. CABRERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO: 15/34
C3.01
1715-216

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASHEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107
MASTER DRAINAGE PLAN

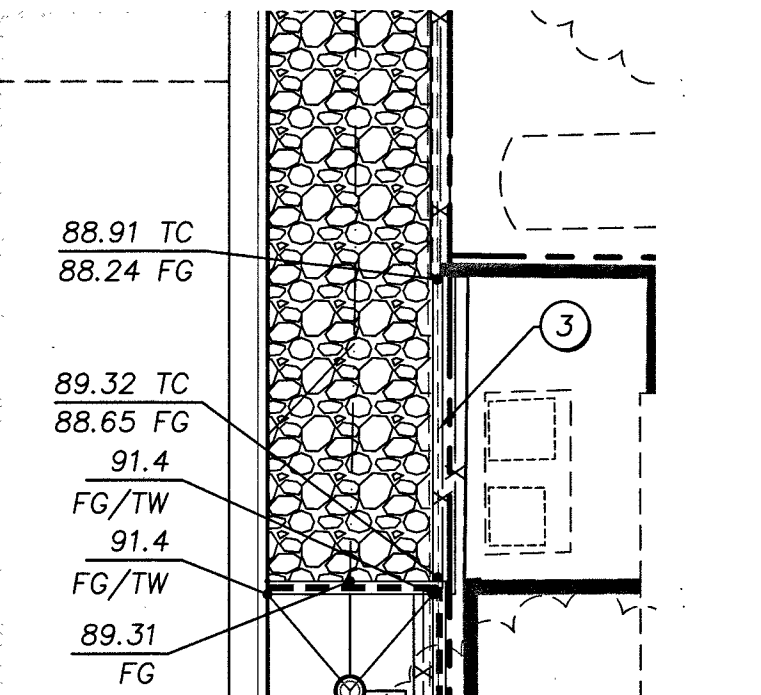
ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.2725
Fax: +1702.263.2700

REVISIONS
DESCRIPTION
BY
DATE
APPROVAL

8.16.19
DATE



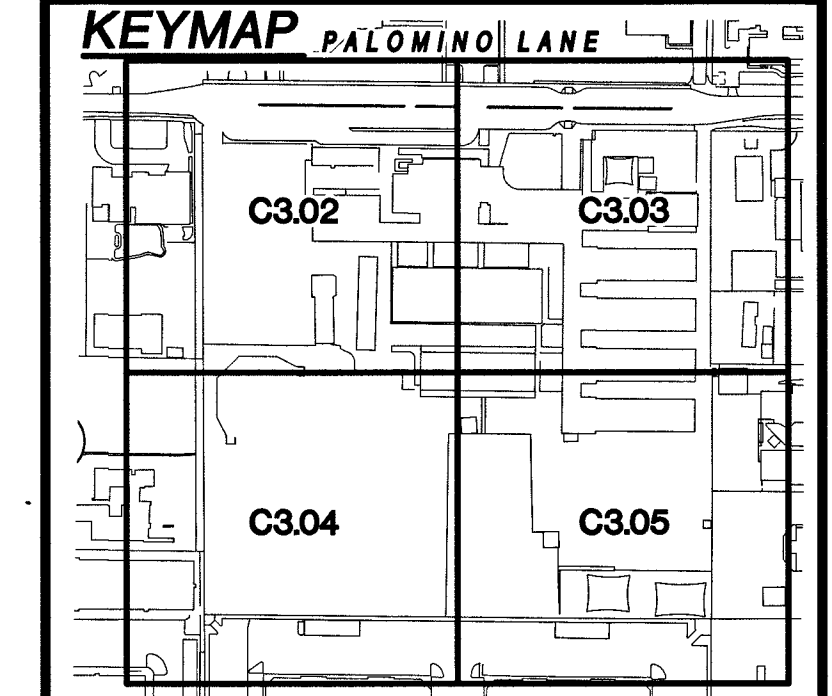
STORM DRAIN CONSTRUCTION NOTES	
1	INSTALL 12" SDR-35 PVC STORM DRAIN PIPE.
2	INSTALL 6" SDR-35 STORM DRAIN PIPE.
3	INSTALL DROP INLET PER DETAILS ON SHEET C6.04.
4	INSTALL STORM DRAIN CLEAN OUT PER CLARK COUNTY WATER RECLAMATION DISTRICT STANDARD DRAWING SD-26.
5	SEE PLUMBING PLANS FOR CONTINUATION INSIDE BUILDING.
6	INSTALL STORM DRAIN WYE
7	INSTALL 2' x 2' NDS EMITTER STRUCTURE (BUBBLER) WITH 1-1/4" GRATE OPENING OR EQUIVALENT PER DETAIL 17 ON SHEET C6.04
8	CONSTRUCT DUAL STORM DRAIN MANIFOLD PER DETAIL 15 ON SHEET C6.04
9	INSTALL 8" SDR-35 STORM DRAIN PIPE
10	CONSTRUCT STORM DRAIN OUTLET PER DETAIL 16 ON SHEET C6.04
11	INSTALL 4" SDR-35 STORM DRAIN PIPE.
12	DAYLIGHT PROPOSED 4" PERFORATED PIPE FOR RETAINING WALL.
13	INSTALL 4" PERFORATED PIPE



EXISTING ELECTRICAL ACCESS DETAIL
SCALE: 1"=10'

- NOTES:**
- SEE SHEETS C5.02, C5.03, C5.04, AND C5.05 FOR SEWER, DOMESTIC WATER AND FIRE WATER.
 - SEE SHEET C5.06 FOR UTILITY CROSSING INFORMATION.
 - SEE SHEET C6.01 FOR CROSS SECTIONS AND SHEET C6.02 FOR SECTION DETAILS.

CONSTRUCTION NOTES	
1A	CONSTRUCT 2.5" OF AC PAVEMENT OVER 4.5" AGGREGATE BASE PER DETAIL 1 ON SHEET C6.03.
1B	CONSTRUCT 3.5" OF AC PAVEMENT OVER 5.0" AGGREGATE BASE PER DETAIL 1 ON SHEET C6.03.
2	CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2 ON SHEET C6.03.
3	CONSTRUCT "A" TYPE CURB PER DETAIL 3 ON SHEET C6.03.
4	CONSTRUCT "L" TYPE CURB PER CCAUSD NO. 216.
5	CONSTRUCT CONCRETE SIDEWALK PER CCAUSD NO. 234. REFER TO ARCH. PLANS FOR FINISHING SPECIFICATIONS.
6	CONSTRUCT VALLEY GUTTER PER CCAUSD NO. 228.
7	CONSTRUCT SIDEWALK RAMP CCAUSD NO. 235 CASE I.
8	CONSTRUCT ACCESSIBLE RAMP PER DETAIL 4 ON SHEET C6.03.
9	CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD NO. 225.
10	CONSTRUCT 2' VALLEY GUTTER PER DETAIL 10 ON SHEET C6.03.
11	CONSTRUCT 2' CURB OPENING DETAIL 6 ON SHEET C6.03.
12	INSTALL 7" CONCRETE RISERS WITH HANDRAIL PER ARCH. PLANS.
13	CONSTRUCT SIDEWALK UNDERDRAIN PER CCAUSD NO. 236.
14	CONSTRUCT RIPRAP SWALE, D50=8", THICKNESS=16". PER DETAIL 7 ON SHEET C6.03
15	CONSTRUCT RETAINING WALL PER STRUCTURAL PLANS.
16	INSTALL FENCE/GATE PER ARCH. SEE DETAIL 5 ON SHEET C6.03 FOR FOOTING
17	INSTALL 12" MOW CURB PER DETAIL 8 ON SHEET C6.03.
18	INSTALL ROLL CURB PER CCAUSD NO. 217.2.S1.
19	PROPOSED IRRIGATION ENCLOSURE PER LANDSCAPE DRAWINGS.
20	PROPOSED PLAYGROUND STRUCTURE SEE ARCHITECTURAL PLANS.
21	CONSTRUCT TACK-ON ISLAND CURB PER CCAUSD NO. 220.
22	CONSTRUCT "L" CURB TO ROLL CURB TRANSITION PER DETAIL 11 ON SHEET C6.03.
23	CONSTRUCT ACCESSIBLE RAMP PER DETAIL 9 ON SHEET C6.03.
24	CONSTRUCT 0" TO 6" CURB FACE TRANSITION.
25	INSTALL RAISED PAVEMENT MARKERS PER CCAUSD 235.
26	PROPOSED PLANTER PER LANDSCAPE DRAWINGS.
27	CONSTRUCT RAMP WITH HANDRAIL PER ARCH. DRAWINGS.
28	INSTALL 12" MODIFIED MOW CURB PER DETAIL 12 ON SHEET C6.03
29	MATCH EXISTING ELEVATION
30	CONSTRUCT U-CHANNEL PER DETAIL 14 ON SHEET C6.03
31	CONSTRUCT MASONRY RETAINING WALL PER SOUTHERN NEVADA BUILDING OFFICIALS STANDARD B-100-2
32	CONSTRUCT 6" TO 9" CURB FACE TRANSITION
33	CONSTRUCT SEGMENTAL RETAINING WALL PER DETAIL F ON SHEET C6.01
34	CONSTRUCT CMU RETAINING WALL PER DETAIL-1. SEE STRUCTURAL SHEET ST1.00
35	INSTALL BUMP STOP PER CCAUSD 238
36	INSTALL FENCE ON CMU RETAINING WALL. SEE ARCHITECTURAL PLANS
37	CONSTRUCT CMU RETAINING WALL PER DETAIL-2. SEE STRUCTURAL SHEET ST1.00



GRAPHIC SCALE
HORIZONTAL: 1"=20'

Paula Kennedy
SOUTHWEST GAS CORPORATION

8.16.19
DATE

GRADING PLAN CERTIFICATION

NAME: PAUL A. BATES PE: 18723 DATE: 4/16/19

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT. DS#5097

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983, SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

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36°15'00"N
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BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

FAST
Call before you Dig
UnderGround
1-702-432-5300
1-800-642-2444

811
Call before you Dig
1-702-227-2929

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PAUL A. BATES
PE: 18723
CIVIL
No. 18723

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

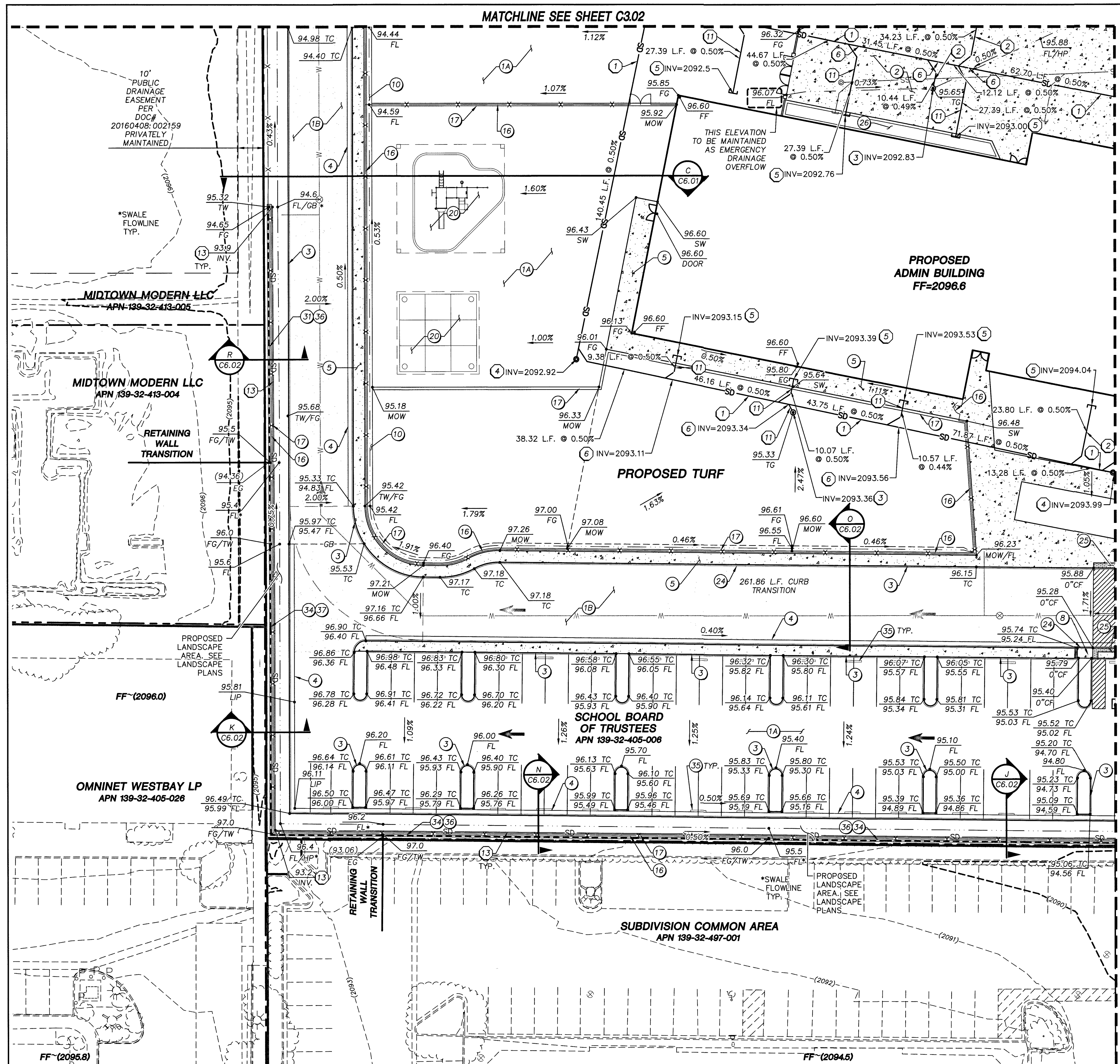
CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

GRADING PLAN 2

DESIGNED BY: J. CARRERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO. 17/34
HORIZ.: 1"=20'
VERT.: NONE

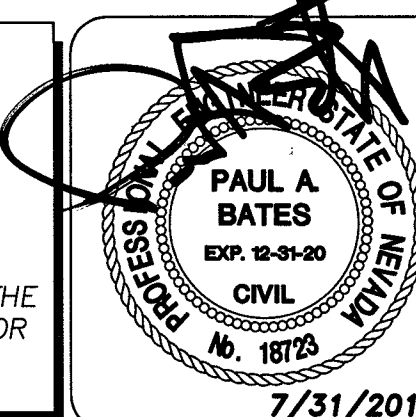
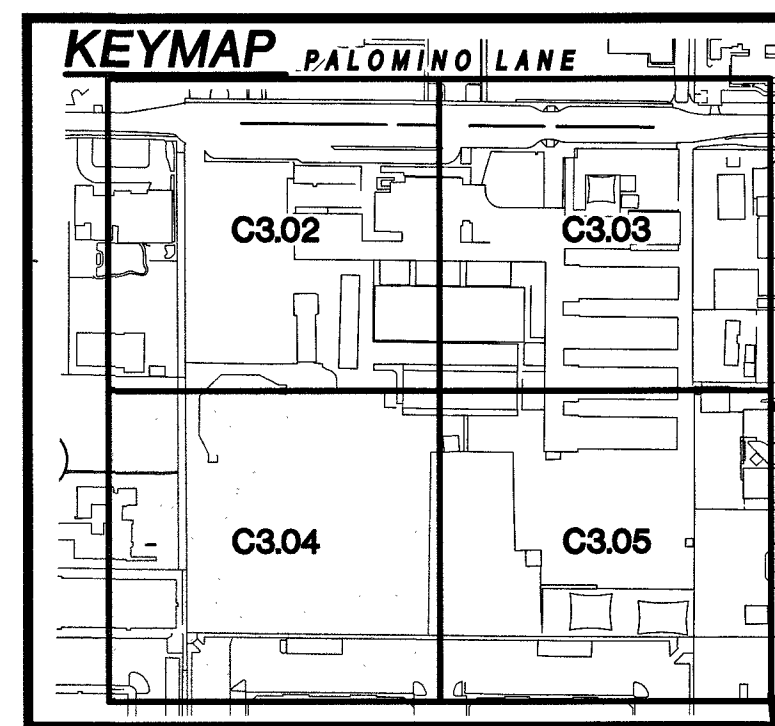
JOB NO. 100062041
DATE: 6/24/2019
DRAWING NO. 17/34
HORIZ.: 1"=20'
VERT.: NONE

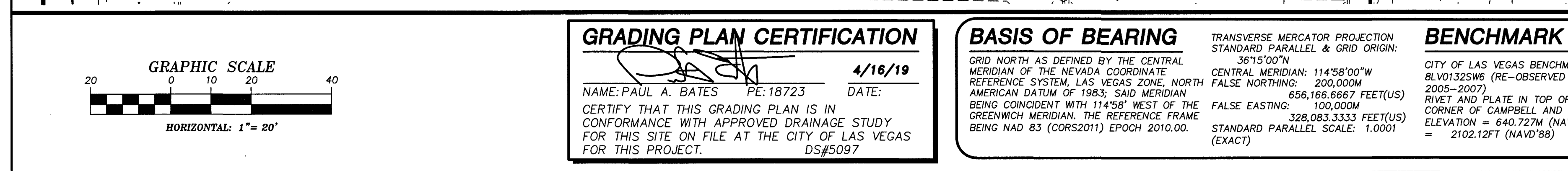
L19-00703 715-218



STORM DRAIN CONSTRUCTION NOTES	
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2	INSTALL 6" SDR-35 STORM DRAIN PIPE.
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6	INSTALL STORM DRAIN WYE
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37	CONSTRUCT CMU RETAINING WALL PER DETAIL-2. SEE STRUCTURAL SHEET ST1.00





PROPOSED EAST CLASSROOM BUILDING
FF=2096.40

96.40 FF
96.40 DOOR
96.40 CONC
95.19 FG
95.05 FG
95.90 FG
95.50 FG
95.68 FG
95.71 STEP
95.90 STEP
5.93%
10.50%
12%
27

CLASSROOM BUILDING RAMP GRADING DETAIL

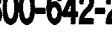
SCALE: 1"=10'

PROPOSED ADMIN BUILDING
FF=2096.60

96.28 FG
96.37 FG
96.60 FF
96.60 FG
96.84 STEP
96.26 FG
97.42 STEP
98.00 FG
98.10 FG
98.10 FG
98.10 DOOR
98.10 RAISED PLATFORM
FF=2098.10
7.74%
12%
27

ADMIN BUILDING RAMP GRADING DETAIL

SCALE: 1"=10'

FAST  Call before you UnderGround 1-702-432-5300 FREEMAN AND ASSOCIATES SYSTEMS OF TRANSPORTATION	Call before you Dig AVOID CUTTING THE POWER CABLES UNDER YOUR FEET. Call 811  OR 1-800-642-2444	AVOID BETTER OVERHEAD POWER LINES BY GOINGLY. CALL BEFORE YOU DO OVERHEAD  1-702-227-2929
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KEYMAP PALOMINO LANE

C3.02 C3.03

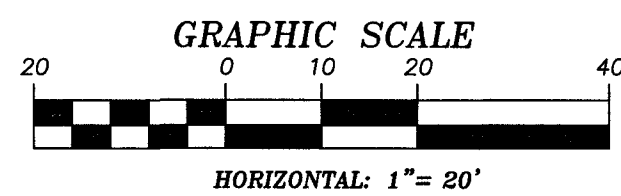
C3.04 C3.05

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PAUL A. BATES
EXP. 12-31-20
CIVIL
No. 18723
REGISTERED

7/31/2019

DESIGNED BY: J. CABRERA		CLARK COUNTY SCHOOL DISTRICT PROPOSED WADSEN ELEMENTARY SCHOOL REPLACEMENT 2831 PALOMINO LANE, LAS VEGAS NEVADA 89107 CLARK COUNTY SCHOOL DISTRICT CONSTRUCTION MANAGEMENT DEPARTMENT 1199 MILITARY TRAIL IN, HENDERSON, NV 89014 PHONE: 702-799-8700	ATKINS 2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Telephone: +1702.263.7275 Fax: +1702.263.7200					REVISIONS		
CHECKED BY: P. BATES			REV.	DESCRIPTION	BY	DATE	APPROVAL			
DATE: 6/24/2019										
DRAWING NO. 19 / 34										
C3.05										
HORIZ.: 1"=20'										
VERT.: NONE										



TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
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FALSE NORTING: 200,000M
656,166.6667 FEET(US)
FALSE EASTING: 100,000M
328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

CITY OF LAS VEGAS BENCHMARK
8LV0132SW6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT S.
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



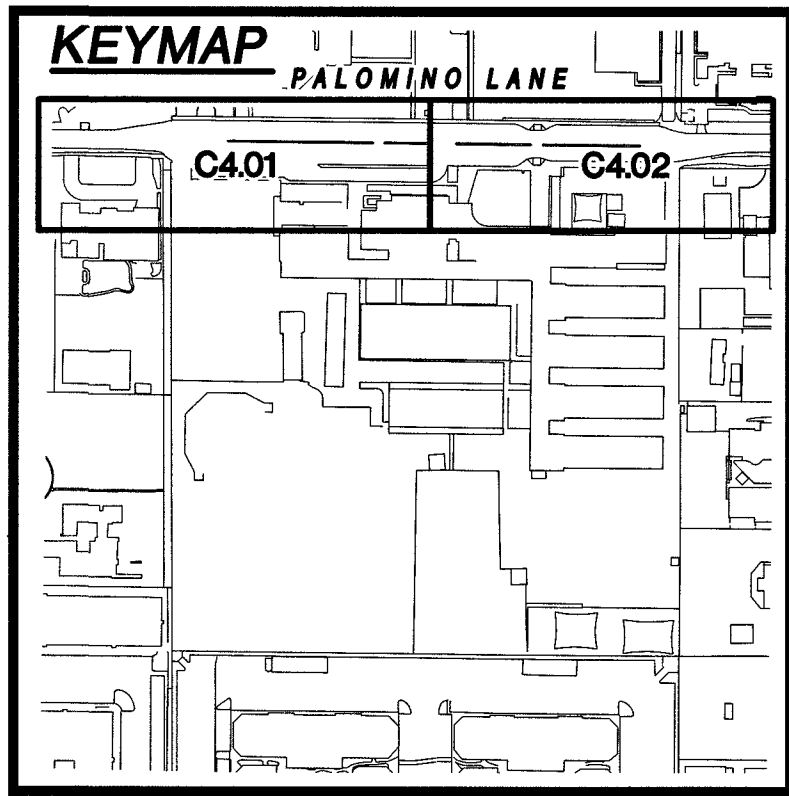
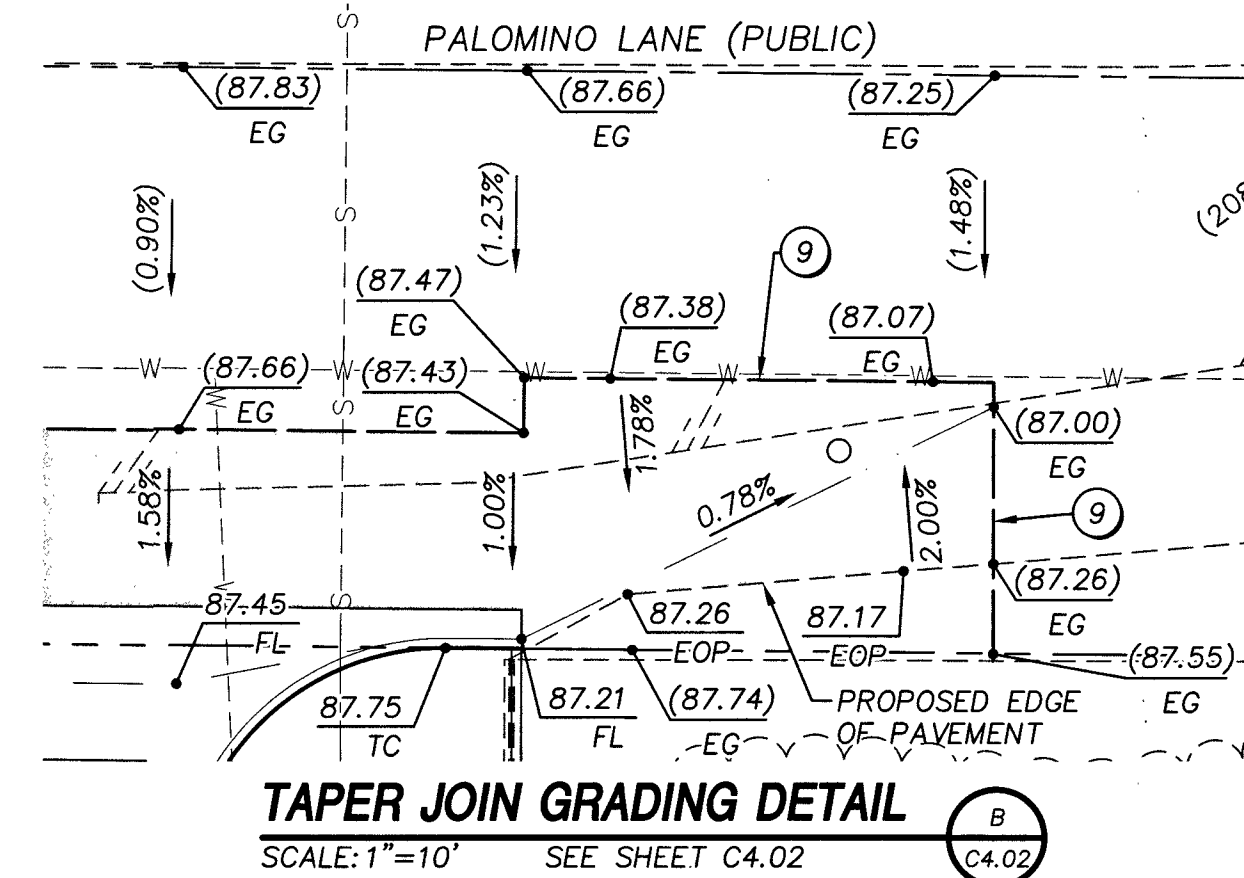
Call before you Dig
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

Call
811
OR
1-800-642-2444



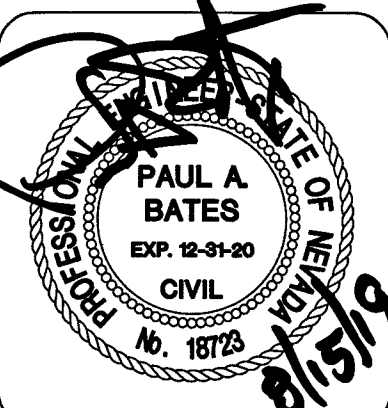
PROPOSED MINOR COLLECTOR (STREET)
PAVEMENT - SEE DETAIL 1 ON SHEET
C6.03 FOR INFORMATION

THE 42" VERTICAL DEPTH OF THE EXISTING ASBESTOS CEMENT PIPE WATERLINE, AS SHOWN, IS PRESUMED PER UDACS UNIFORM DESIGN STANDARD 2.08.02. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT VERTICAL LOCATION AND INFORM THE ENGINEER IMMEDIATELY PRIOR TO ANY CONTINUED CONSTRUCTION.



Las Vegas Valley Water District Engineering Services
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19
LVVWD APPROVED FIRE FLOW: TOTAL 2500 GPM/ONSITE 2500 GPM

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1.702.263.7275
Fax: +1.702.263.7200



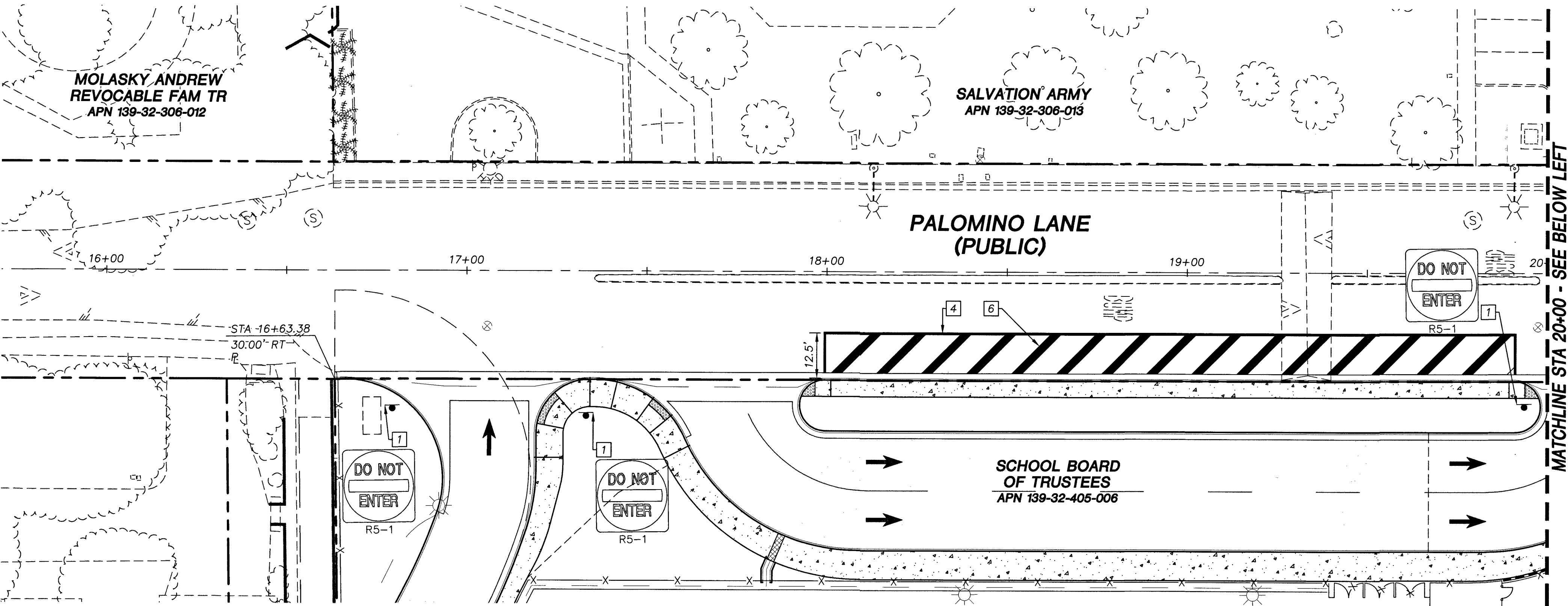
**CLARK COUNTY
SCHOOL DISTRICT**

CONSTRUCTION MANAGEMENT DEPARTMENT
1800 MILITARY TRIBUTE LN., HENDERSON, NV 89074 PHONE: 702-799-6700

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WARDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

PLAN AND PROFILE 2
STA 20+00 TO END

JOB NO. 100062041	DESIGNED BY: J. CABRERA	
	DRAWN BY: M. FREY	
	CHECKED BY: P. BATES	
	HORIZ.: 1"=20' VERT.: 1"=4'	
DATE: 6/24/2019	DRAWING NO. 21/34	
C402		
L19-00703	715-216	



STREET TRAFFIC AND STRIPING NOTES	
1	INSTALL SIGN(S) ON POST PER CCAUSD #249.1
2	INSTALL STORAGE LANE LINE (RPM) PER CCAUSD #246
3	INSTALL WHITE TURN ARROW (TYPE 2 PMF) PER NDOT STANDARD PLAN SHEET T-38.1.1
4	INSTALL 6" SOLID WHITE LINE PER CCAUSD #244.9
5	PAINT CURB 15' EITHER DIRECTION OF FIRE HYDRANT (30' MINIMUM) & PLACE BLUE REFLECTIVE PAVEMENT MARKER IN MIDDLE OF ADJACENT DRIVE LANE NEAREST TO HYDRANT
6	INSTALL 24" STRIPES PER CCAUSD #245
7	INSTALL WHITE LETTERING PER NDOT STANDARD PLAN SHEET T-38.1.4
8	INSTALL SIGN ON EXISTING POLE
9	INSTALL 4" SOLID WHITE LINE PER CCAUSD #244.9

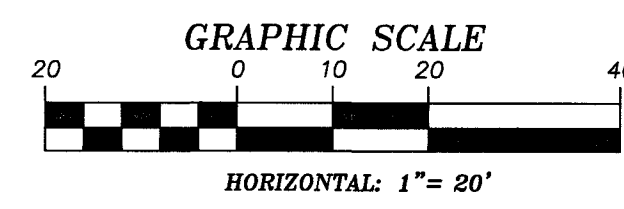
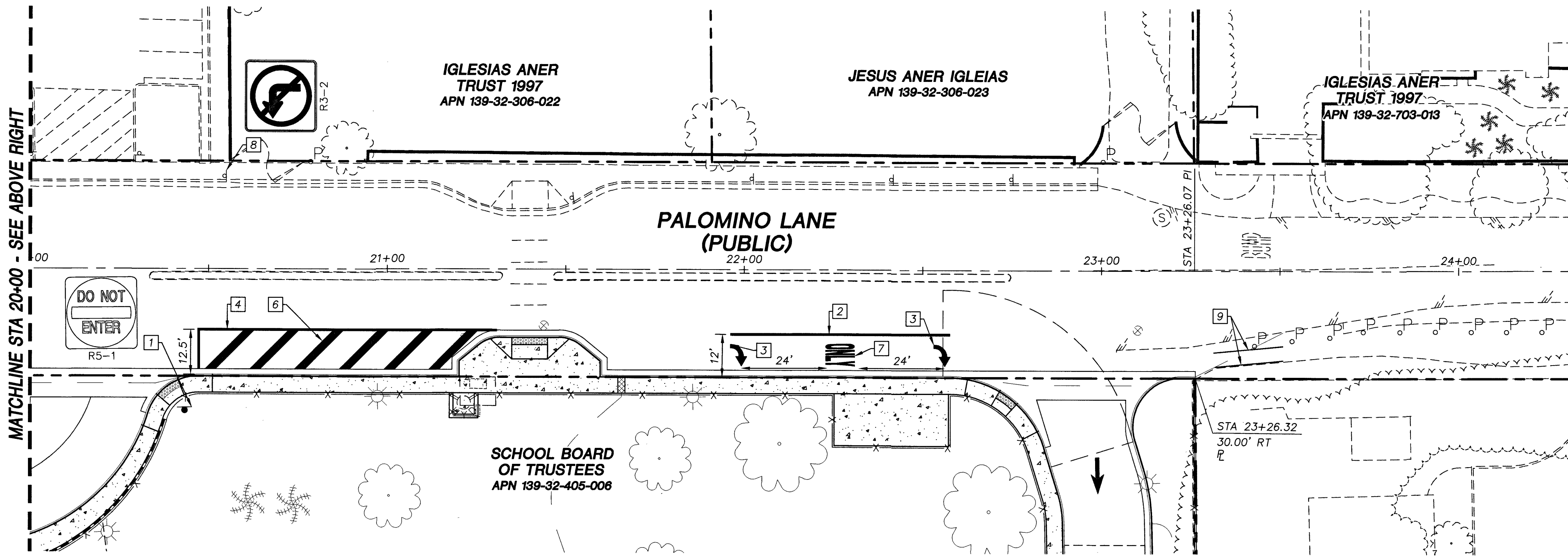
REV.	DESCRIPTION	BY	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
100 MILLER TRAIL IN HENDERSON, NV 89074 PHONE: 702-38-5870

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107
SIGNAGE AND STRIPING PLAN

DESIGNED BY: J. CABRERA
DRAWN BY: J. CABRERA
DATE: 6/24/2019
CHECKED BY: P. BATES
DRAWING NO. 22/34
HORIZ: 1"=20'
VERT: NONE
C4.03
119-00703 715-216



BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.
TRANSVERSE MERCATOR PROJECTION STANDARD PARALLEL & GRID ORIGIN: 36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000
FALSE EASTING: 100,000
328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

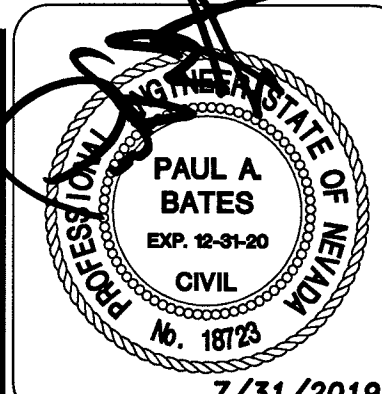
BENCHMARK
CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

FAST
Call before you Dig
Underground
1-702-432-5300
SYSTEM OF TRANSPORTATION

Call before you Dig
811
1-800-642-2444

CALL BEFORE YOU DIG
OVERHEAD
1-702-227-2929

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



	NOTE TO CONTRACTOR QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.	BASIS OF BEARING TRANSVERSE MERCATOR PROJECTION STANDARD PARALLEL, & GRID ORIGIN: 36°15'00"N GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CONRS2011) EPOCH 2010.00.	BENCHMARK CITY OF LAS VEGAS BENCHMARK BLVD1325W6 (RE-OBSERVED DATE 2005-2007) RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO. ELEVATION = 640.727M (NAVD'88) = 2102.12FT (NAVD'88)				
CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.							DESIGNED BY: J. L. BATES DRAWN BY: DR. M. L. BATES CHECKED BY: CH. P. L. BATES PROJECT NO.: HO. 1872 DRAWING NO.: 23/34 REVISION: C5-01

SALVATION ARMY
APN 139-32-306-013



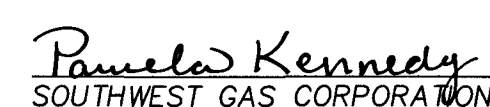
③1 INSTALL 2" BRASS WATER PIPE PER UDACS
PLATE #17 AND PLATE #19

①	INSTALL 8" DIP WATER (PUBLIC) PIPE PER UDACS PLATE #17 AND PLATE #19
②	INSTALL 2" C-900 WATER (IRRIGATION) PIPE PER UDACS PLATE #17 AND PLATE #19
③	INSTALL 4" C-900 WATER (DOMESTIC) PIPE PER UDACS PLATE #17 AND PLATE #19
④	INSTALL 6" C-900 WATER (FIRE) PIPE PER UDACS PLATE #17 AND PLATE #19
⑤	INSTALL 8" C-900 WATER (FIRE) PIPE PER UDACS PLATE #17 AND PLATE #19
⑥	INSTALL 90° ELBOW SIZE PER PLAN
⑦	INSTALL 45° ELBOW SIZE PER PLAN
⑧	INSTALL 22.5° ELBOW SIZE PER PLAN
⑨	INSTALL 11.25° ELBOW SIZE PER PLAN
⑩	INSTALL THRUST BLOCKS PER UDACS PLATE #31
⑪	INSTALL FIRE HYDRANT PER UDACS PLATE #40
⑫	INSTALL 8" RPPA PER UDACS PLATE #56 SEE DETAIL-19 ON SHEET C6.05
⑬	INSTALL 8" GATE VALVE PER UDACS PLATE #30
⑭	INSTALL 45° VERTICAL BEND (MATCH SIZE)
⑮	SEE PLUMBING PLANS FOR CONTINUATION INSIDE BUILDING
⑯	INSTALL 8" X 6" TEE PER UDACS PLATE #31, #34, AND #35
⑰	INSTALL 8" X 8" TEE
⑱	INSTALL 4" X 4" TEE
⑲	INSTALL 2" COPPER WATER PIPE PER UDACS PLATE #17 AND PLATE #19
⑳	INSTALL 4" GATE VALVE PER UDACS PLATE #30
㉑	INSTALL 2" WATER METER PER UDACS PLATE #4
㉒	INSTALL 2" RPPA PER UDACS PLATE #8 SEE DETAIL-20 ON SHEET C6.05
㉓	INSTALL 6" GATE VALVE PER UDACS PLATE #30
㉔	INSTALL 6" DIP WATER (DOMESTIC) PIPE PER UDACS PLATE #17 AND PLATE #19
㉕	INSTALL 6" X 2" SERVICE SADDLE
㉖	INSTALL 2" X 4" REDUCER
㉗	INSTALL CAP PER UDACS PLATE #31
㉘	CUT AND REMOVE EXISTING 6" ACP
㉙	INSTALL 6" X 8" REDUCER
㉚	INSTALL BLUE REFLECTIVE PAVEMENT MARKER PER SECTION 507.5.7.3 OF THE SOUTHERN NEVADA FIRE CODE COMMITTEE/SOUTHERN NEVADA FORE CODE AMENDMENTS

1	INSTALL 4" SDR35 PVC SS LATERAL @ 2.0% MIN. (PRIVATE)
2	INSTALL 6" SDR 35 PVC SS LATERAL, SLOPE PER PLAN (PRIVATE)
3	INSTALL 8" SDR 35 PVC SS MAIN, SLOPE PER PLAN (PRIVATE)
4	CONSTRUCT 48" SSMH WITH PRECAST BASE PER SECTION 2.2.9 AND PER DCSWGS SD-1, SD-4, (SINGLE 24"LD), AND WITH CORROSION PROTECTION PER SECTION 3.16.8 A OR B.
5	INSTALL TRAFFIC-RATED SS CLEANOUT PER DCSWGS SD-26
6	SEE PLUMBING PLANS FOR CONTINUATION IN BUILDING
7	GREASE INTERCEPTOR AND SAMPLE BOX. SEE PLUMBING PLANS.

1. SEE SHEETS C3.01 TO C3.05 FOR STORM DRAIN INFORMATION
2. THE ANNOTATION SYMBOL AND NUMBER (EXAMPLE (20)) INDICATES A UTILITY CROSSING. SEE SHEET C5.06 FOR UTILITY CROSSING INFORMATION.

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, THE FIRE
LINE, OR ANY OF ITS COMPONENTS, SHALL NOT BE USED FOR
POTABLE DRINKING WATER AT ANY TIME.

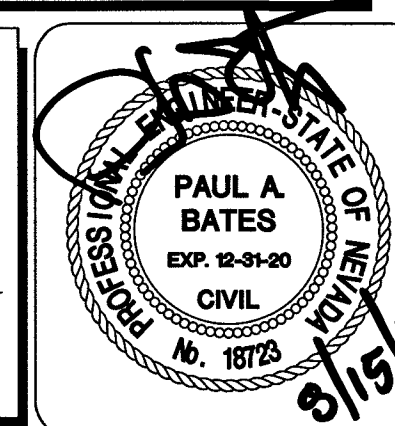


LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-11
LVWD APPROVED FIRE FLOW TOTAL 2,500 GPM/ONSITE 2,500 GPM

GRID NORTH AS DEFINED BY THE CENTRAL
MERIDIAN OF THE NEVADA COORDINATE
REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH
AMERICAN DATUM OF 1983; SAGE MERIDIAN
BEING COINCIDENT WITH 114°58' WEST OF THE
GREENWICH MERIDIAN, THE REFERENCE FRAME
BEING NAD 83 (CRS2011) EPOCH 2010.00.

STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTING: 200,000
656,166.6667 FEET/US
FALSE EASTING: 100,000
328,083.3333 FEET/US
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

CITY OF LAS VEGAS BENCHMARK
BLV0132SW6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



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Fax: +1702.263.7200

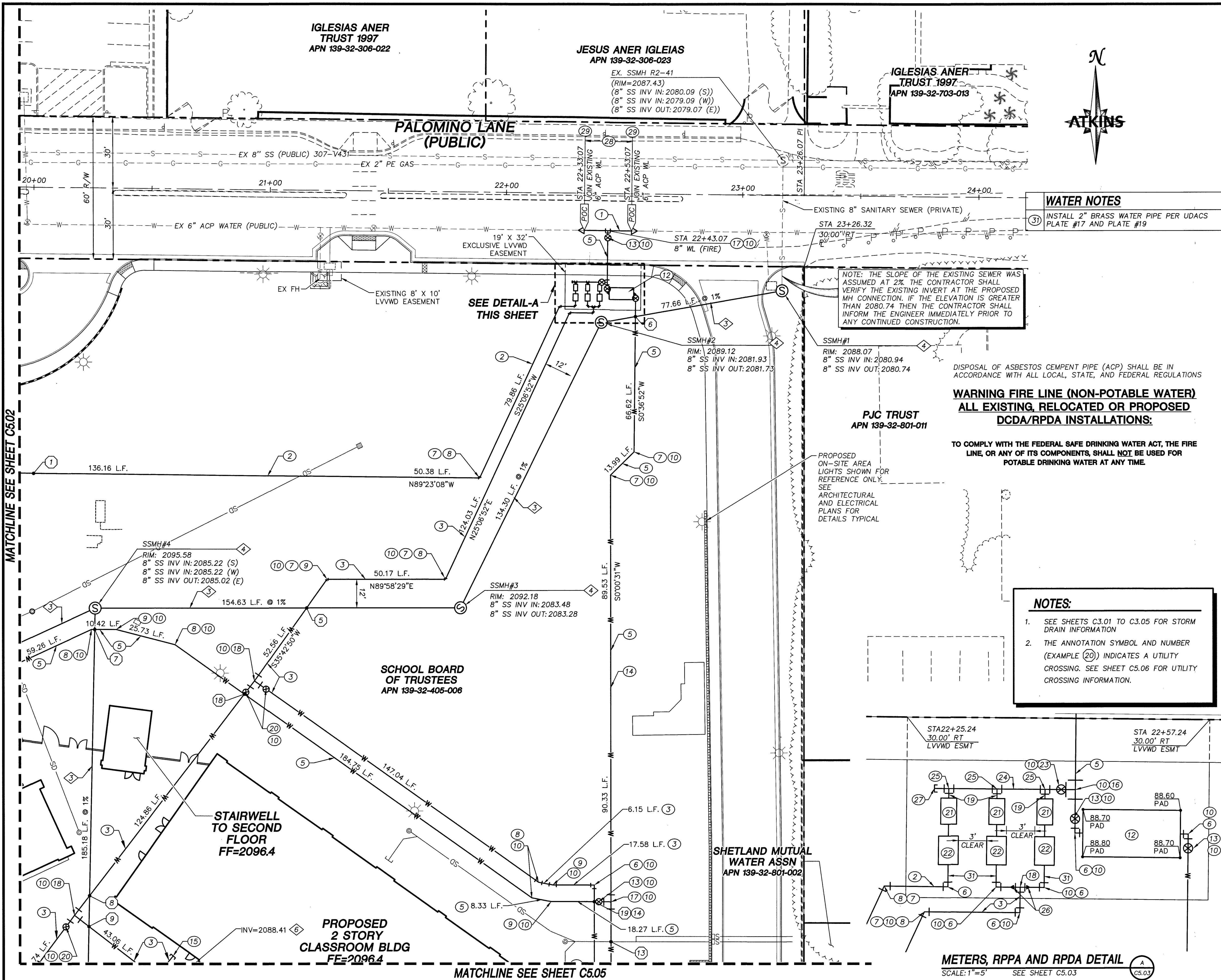
 **CLARK COUNTY
SCHOOL DISTRICT**
CONSTRUCTION MANAGEMENT DEPARTMENT
380 MILITARY TRIBUTE LN., HENDERSON, NV 89074 PHONE: 702-795-8710

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

UTILITY PLAN 1

JOB NO. 100062041	DATE: 6/24/2019	DESIGNED BY: J. CABRERA
		DRAWN BY: M. FREY
DRAWING NO. 24 / 34	CHECKED BY: P. BATES	HORIZ.: 1"=20' VERT.: NONE

\\Projects\Land Development\SH Architecture\100062041 - Wasden Elementary\Sheets\62041-21-UT-U2.dwg LAYOUT: C5.02 Aug 15, 2019 - 4:35PM
PROJ#:\136383A QS:139-32-SW

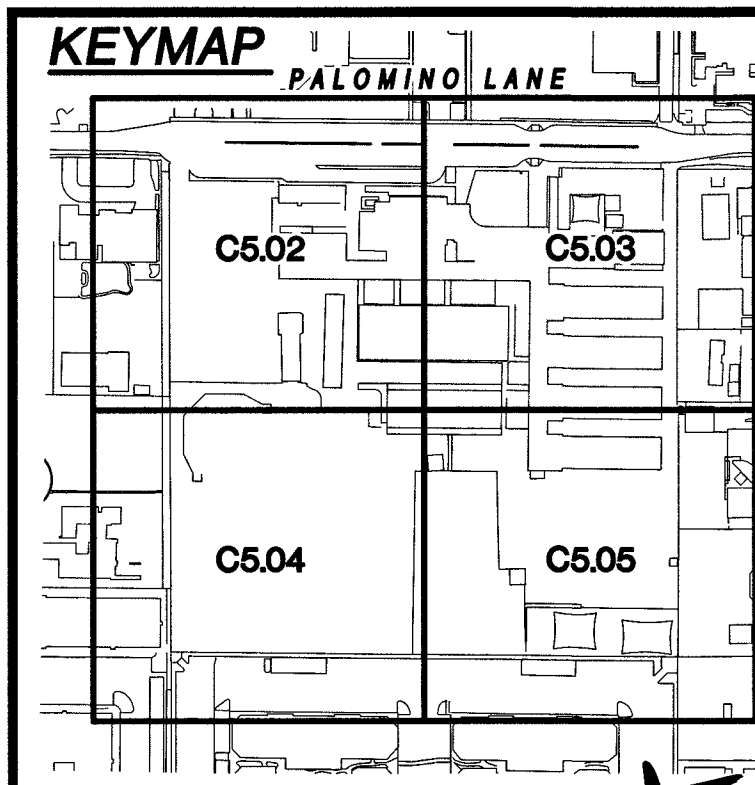


WATER NOTES

- INSTALL 8" DIP WATER (PUBLIC) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 2" C-900 WATER (IRRIGATION) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 4" C-900 WATER (DOMESTIC) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 6" C-900 WATER (FIRE) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 8" C-900 WATER (FIRE) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 90° ELBOW SIZE PER PLAN
- INSTALL 45° ELBOW SIZE PER PLAN
- INSTALL 22.5° ELBOW SIZE PER PLAN
- INSTALL 11.25° ELBOW SIZE PER PLAN
- INSTALL THRUST BLOCKS PER UDACS PLATE #31
- INSTALL FIRE HYDRANT PER UDACS PLATE #40
- INSTALL 8" RPDA PER UDACS PLATE #56 SEE DETAIL-19 ON SHEET C6.05
- INSTALL 8" GATE VALVE PER UDACS PLATE #30
- INSTALL 45° VERTICAL BEND (MATCH SIZE)
- SEE PLUMBING PLANS FOR CONTINUATION INSIDE BUILDING
- INSTALL 8" X 6" TEE PER UDACS PLATE #31, #34, AND #35
- INSTALL 8" X 8" TEE
- INSTALL 4" X 4" TEE
- INSTALL 2" COPPER WATER PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 4" GATE VALVE PER UDACS PLATE #30
- INSTALL 2" WATER METER PER UDACS PLATE #4
- INSTALL 2" RPPA PER UDACS PLATE #8 SEE DETAIL-20 ON SHEET C6.05
- INSTALL 6" GATE VALVE PER UDACS PLATE #30
- INSTALL 6" DIP WATER (DOMESTIC) PIPE PER UDACS PLATE #17 AND PLATE #19
- INSTALL 6" X 2" SERVICE SADDLE
- INSTALL 2" X 4" REDUCER
- INSTALL CAP PER UDACS PLATE #31
- CUT AND REMOVE EXISTING 6" ACP
- INSTALL 6" X 8" REDUCER
- INSTALL BLUE REFLECTIVE PAVEMENT MARKER PER SECTION 507.5.7.3 OF THE SOUTHERN NEVADA FIRE CODE COMMITTEE/SOUTHERN NEVADA FIRE CODE AMENDMENTS

SEWER NOTES

- INSTALL 4" SDR35 PVC SS LATERAL @ 2.0% MIN. (PRIVATE)
- INSTALL 6" SDR 35 PVC SS LATERAL, SLOPE PER PLAN (PRIVATE)
- INSTALL 8" SDR 35 PVC SS MAIN, SLOPE PER PLAN (PRIVATE)
- CONSTRUCT 48" SSMH WITH PRECAST BASE PER SECTION 2.2.9 AND PER DCSWS SD-1, SD-4, (SINGLE 24" ID), AND WITH CORROSION PROTECTION PER SECTION 3.16.8 A OR B.
- INSTALL TRAFFIC-RATED SS CLEANOUT PER DCSWS SD-26
- SEE PLUMBING PLANS FOR CONTINUATION IN BUILDING
- GREASE INTERCEPTOR AND SAMPLE BOX. SEE PLUMBING PLANS.



ATKINS

CLARK COUNTY SCHOOL DISTRICT

PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT

2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

PROJ. NO. 136383A QS-139-32-SW

UTILITY PLAN 2

DESIGNED BY: J. CABRERA

DRAWN BY: M. FREY

CHECKED BY: P. BATES

HORIZ. AS NOTED

VERT. NONE

DATE: 6/24/2019

DRAWING NO. 25/34

C5.03

119-00703 715-216

MATCHLINE SEE SHEET C5.02



WATER NOTES

- (31) INSTALL 2" BRASS WATER PIPE PER UDACS PLATE #17 AND PLATE #19

PROPOSED
KINDERGARTEN, ADMIN
AND MULTIPURPOSE BLDG
FF=2096.6

PROPOSED TURF

MATCHLINE SEE SHEET C5.05

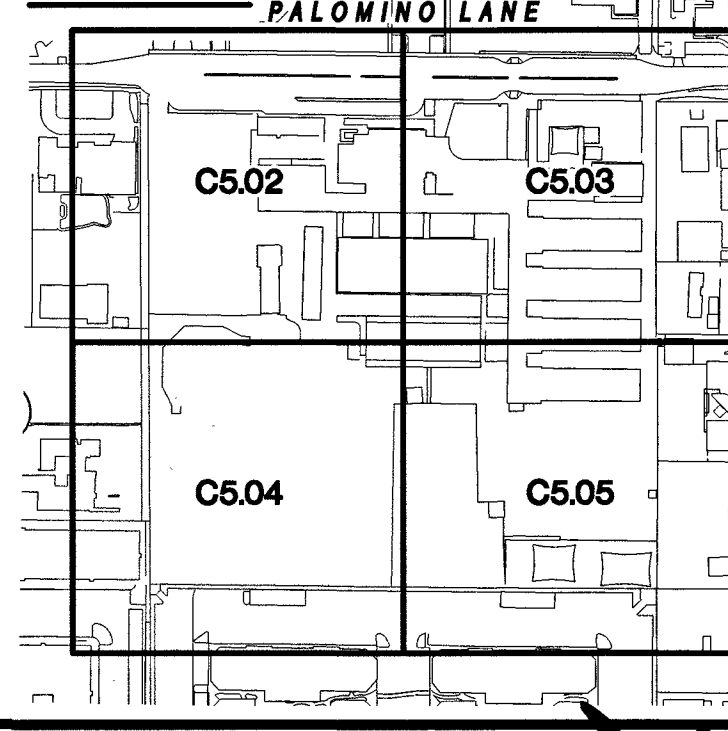
SCHOOL BOARD
OF TRUSTEES
APN 139-32-405-008

SUBDIVISION COMMON AREA
APN 139-32-497-001

NOTES:

- SEE SHEETS C3.01 TO C3.05 FOR STORM DRAIN INFORMATION
- THE ANNOTATION SYMBOL AND NUMBER (EXAMPLE (20)) INDICATES A UTILITY CROSSING. SEE SHEET C5.06 FOR UTILITY CROSSING INFORMATION.

KEYMAP



BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING CONSIDERED WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CONRS2011) EPOCH 2010.00.

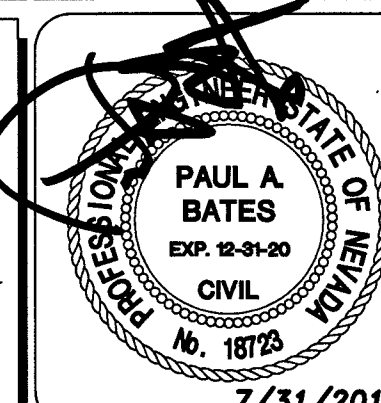
TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
656,166,666.7 FEET(US)
FALSE EASTING: 100,000M
328,083,333.3 FEET(US)
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



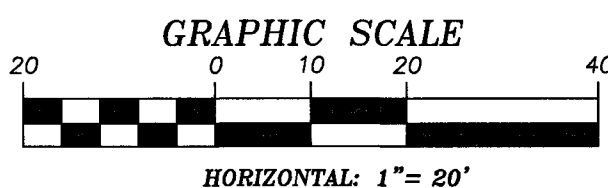
DESIGNED BY: J. CABRERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
DATE: 6/24/2019
DRAWING NO: 26/34
PROJECT: 100062041
SHEET: 715-216

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASHEN ELEMENTARY SCHOOL REPLACEMENT
2851 PALOMINO LANE, LAS VEGAS NEVADA 89107
UTILITY PLAN 3

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

REVISIONS

REV.	DESCRIPTION	DATE	APPROVAL



UTILITY CROSSING TABLE	
CROSSING NO.	UTILITY TYPE AND ELEVATION
①	PROP. 2" IRRIGATION: TOP=2093.91, INV=2093.74 PROP. 12" SDR-35 SD: TOP=2091.20
②	PROP. 8" C-900 FIRE WATER: TOP=2091.44, INV=2090.75 PROP. 4" C-900 DOM. WATER: TOP=2090.25, INV=2089.92
③	PROP. 8" C-900 FIRE WATER: TOP=2091.34, INV=2090.65 PROP. 4" C-900 DOM. WATER: TOP=2089.15, INV=2088.82
④	PROP. 8" C-900 FIRE WATER: TOP=2091.29, INV=2090.60 PROP. 4" C-900 DOM. WATER: TOP=2090.25, INV=2089.92
⑤	PROP. 4" C-900 DOM. WATER: TOP=2091.45, INV=2091.10 PROP. 8" C-900 SEWER: TOP=2084.82
⑥	PROPOSED 8" FIRE WATER: TOP=2086.38, INV=2085.71 PROP. 8" C-900 SEWER: TOP=2082.26
⑦	PROP. 8" C-900 FIRE WATER: TOP=2093.22, INV=2092.53 PROP. 8" C-900 SEWER: TOP=2086.00
⑧	PROP. 4" C-900 DOM. WATER: TOP=2093.07, INV=2092.72 PROP. 8" C-900 SEWER: TOP=2087.13
⑨	PROP. 4" C-900 DOM. WATER: TOP=2093.19, INV=2092.86 PROP. 8" C-900 SEWER: TOP=2087.26
⑩	PROPOSED 12" SDR-35 SD: TOP=2092.68, INV=2091.86 PROP. 8" C-900 SEWER: TOP=2088.67
⑪	PROP. 4" C-900 DOM. WATER: TOP=2092.05, INV=2091.72 PROP. 8" C-900 SEWER: TOP=2090.69
⑫	PROPOSED 12" SDR-35 SD: TOP=2093.63, INV=2092.63 PROP. 8" C-900 SEWER: TOP=2091.55
⑬	PROPOSED 12" SDR-35 SD: TOP=2091.58, INV=2090.58 PROP. 4" C-900 DOM. WATER: TOP=2088.69, INV=2088.02
⑭	PROPOSED 12" SDR-35 SD: TOP=2092.35, INV=2091.33 PROP. 8" C-900 FIRE WATER: TOP=2089.81, INV=2089.12
⑮	PROP. 8" C-900 FIRE WATER: TOP=2093.22, INV=2092.53 PROPOSED 6" SDR-35 SD: TOP=2091.02, INV=2090.52

UTILITY CROSSING TABLE	
CROSSING NO.	UTILITY TYPE AND ELEVATION
⑮	PROP. 8" C-900 FIRE WATER: TOP=2093.22, INV=2092.53 PROPOSED 12" SDR-35 SD: TOP=2091.80, INV=2090.80
⑰	NOT USED
⑱	PROP. 4" C-900 DOM. WATER: TOP=2092.79, INV=2092.44 PROP. 8" C-900 FIRE WATER: TOP=2092.30, INV=2091.61
⑲	PROP. 4" C-900 DOM. WATER: TOP=2090.37, INV=2090.02 PROP. 8" C-900 FIRE WATER: TOP=2088.51, INV=2087.82
⑳	PROPOSED 12" SDR-35 SD: TOP=2091.77, INV=2090.77 PROP. 8" C-900 SEWER: TOP=2086.52, INV=2086.19
㉑	PROPOSED 12" SDR-35 SD: TOP=2092.87, INV=2091.85 PROP. 4" C-900 SEWER: TOP=2089.05, INV=2088.72
㉒	PROPOSED 12" SDR-35 SD: TOP=2093.06, INV=2092.04 PROP. 4" C-900 DOM. WATER: TOP=2091.57, INV=2091.22
㉓	PROPOSED 6" SDR-35 SD: TOP=2093.21, INV=2093.71 PROP. 4" C-900 SEWER: TOP=2087.80
㉔	PROPOSED 12" SDR-35 SD: TOP=2092.92, INV=2093.92 PROP. 4" C-900 SEWER: TOP=2088.28
㉕	PROPOSED 6" SDR-35 SD: TOP=2092.81, INV=2093.31 PROP. 4" C-900 SEWER: TOP=2088.57
㉖	PROP. 4" C-900 DOM. WATER: TOP=2090.25, INV=2089.92 PROP. 4" C-900 SEWER: TOP=2089.11, INV=2088.78
㉗	PROPOSED 12" SDR-35 SD: TOP=20993.06, INV=2092.06 PROP. 4" C-900 SEWER: TOP=2087.68, INV=2087.35
㉘	PROPOSED 6" SDR-35 SD: TOP=2092.18, INV=2091.68 PROP. 4" C-900 SEWER: TOP=2089.21
㉙	PROPOSED 12" SDR-35 SD: TOP=2094.01, INV=2093.01 PROP. 4" C-900 SEWER: TOP=2087.63, INV=2086.30

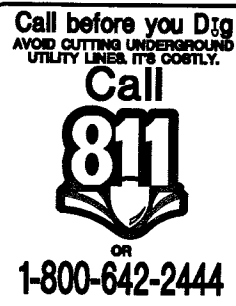
BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

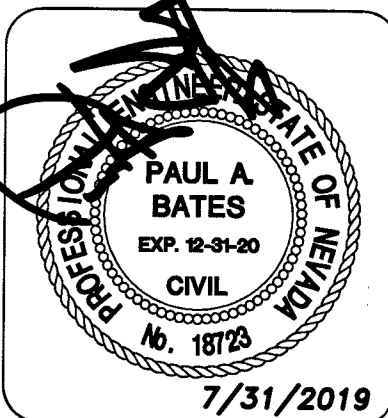
TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
3615'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
328,083.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV0132SW6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



CLARK COUNTY SCHOOL DISTRICT
PROPOSED WASHDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107



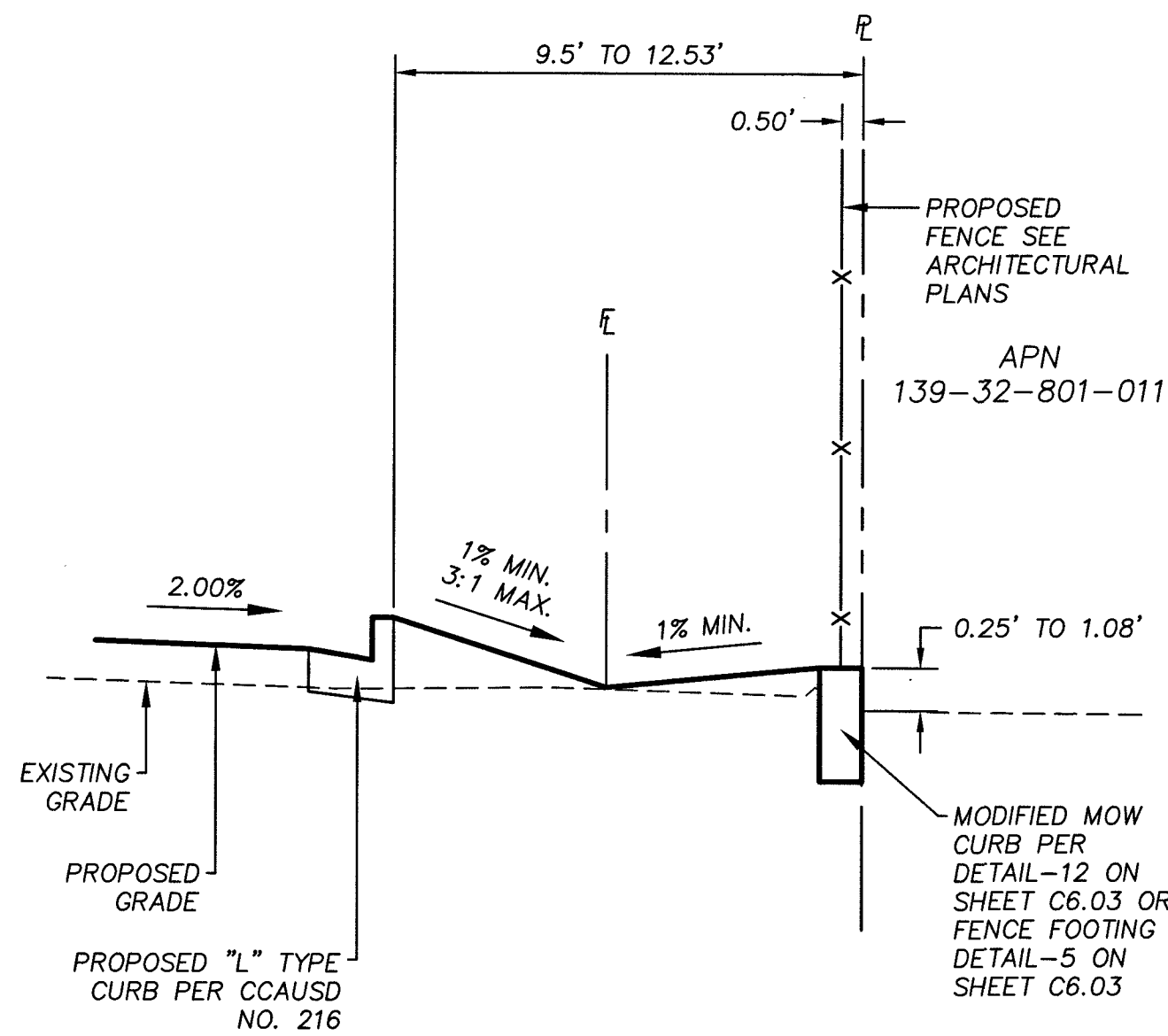
ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

REVISIONS

REV.	DESCRIPTION	BY	DATE	APPROVAL

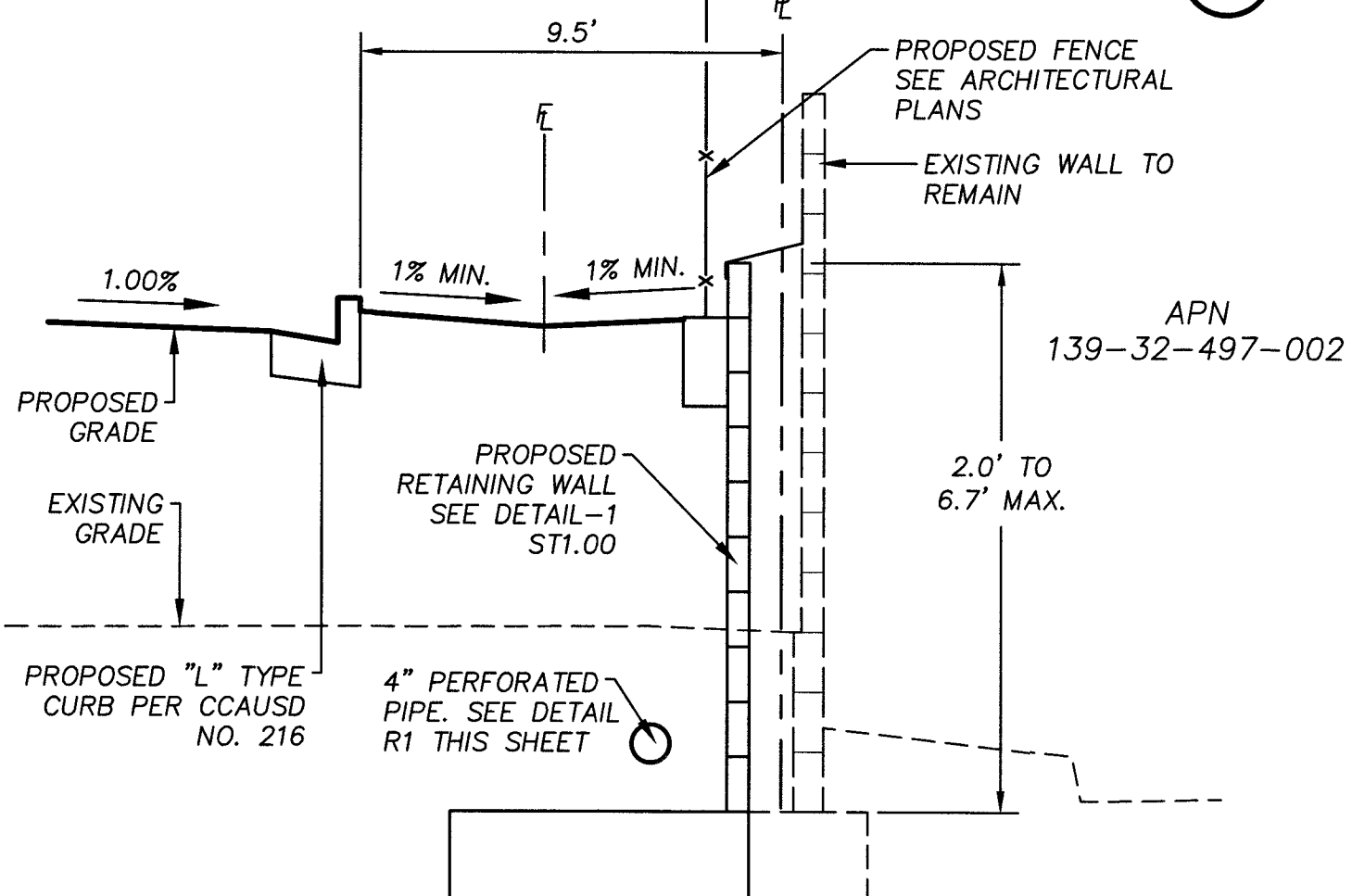
UTILITY PLAN 5

DESIGNED BY: M. FREY
DRAWN BY: P. BATES
CHECKED BY: P. BATES
HORIZ.: NONE
VERT.: NONE
JOB NO. 100062041
DATE: 6/24/2019
DRAWING NO. 28/34
C5.06
L19-00703 715-216



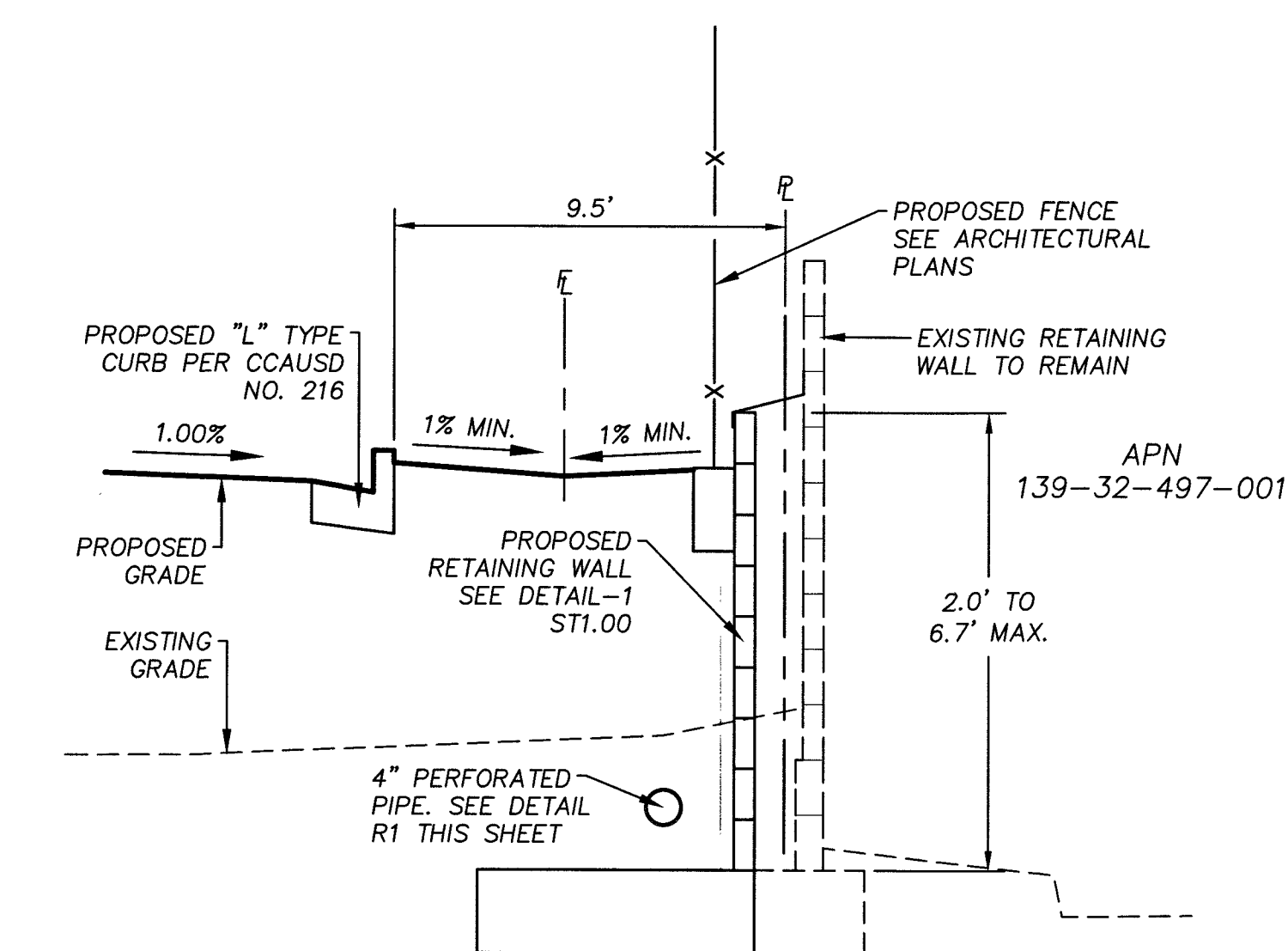
EAST PROPERTY CHANNEL AND FENCE DETAIL

N.T.S. (6) C6.02



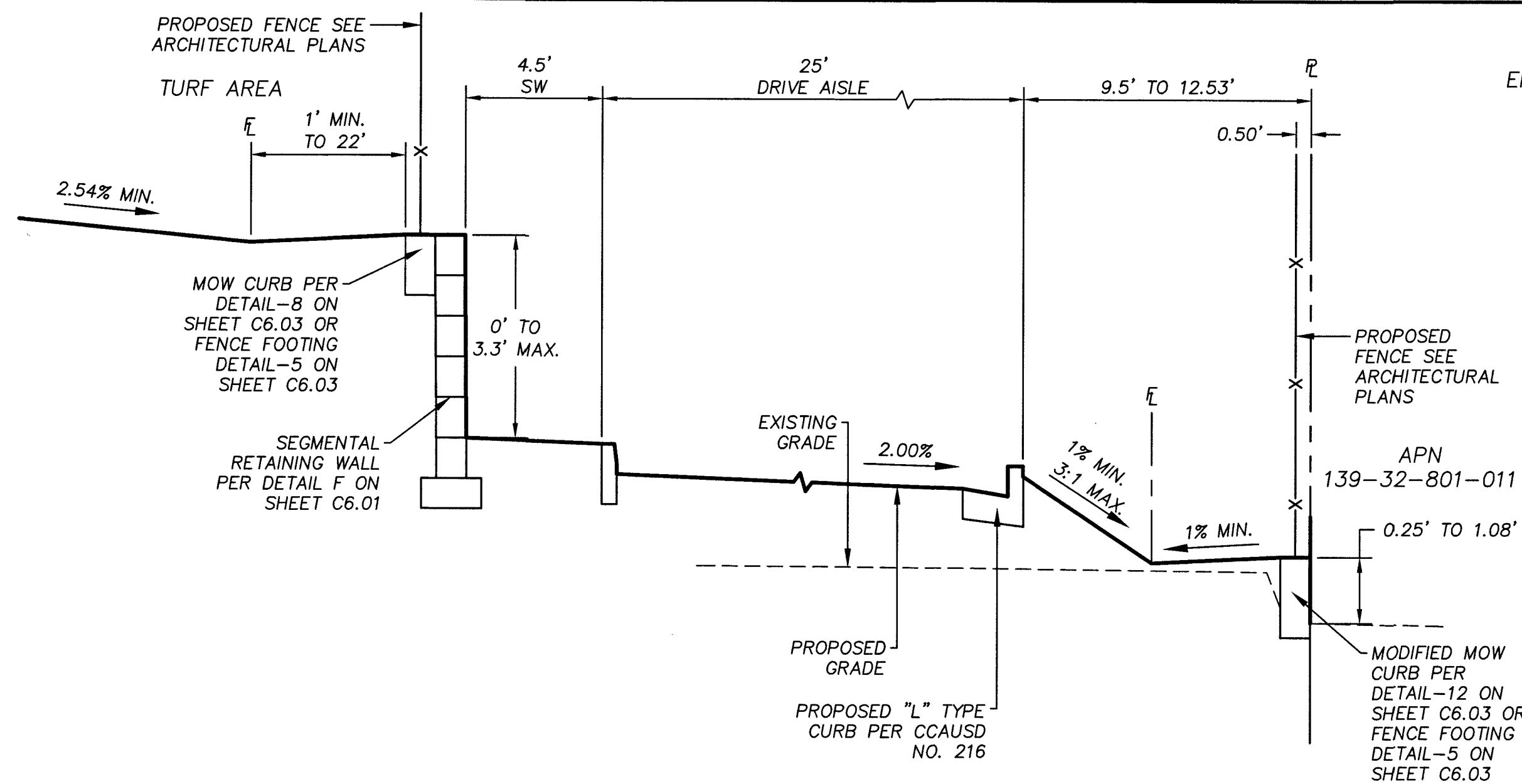
SOUTH PROPERTY CHANNEL AND EXISTING WALL DETAIL

N.T.S. (J) C6.02



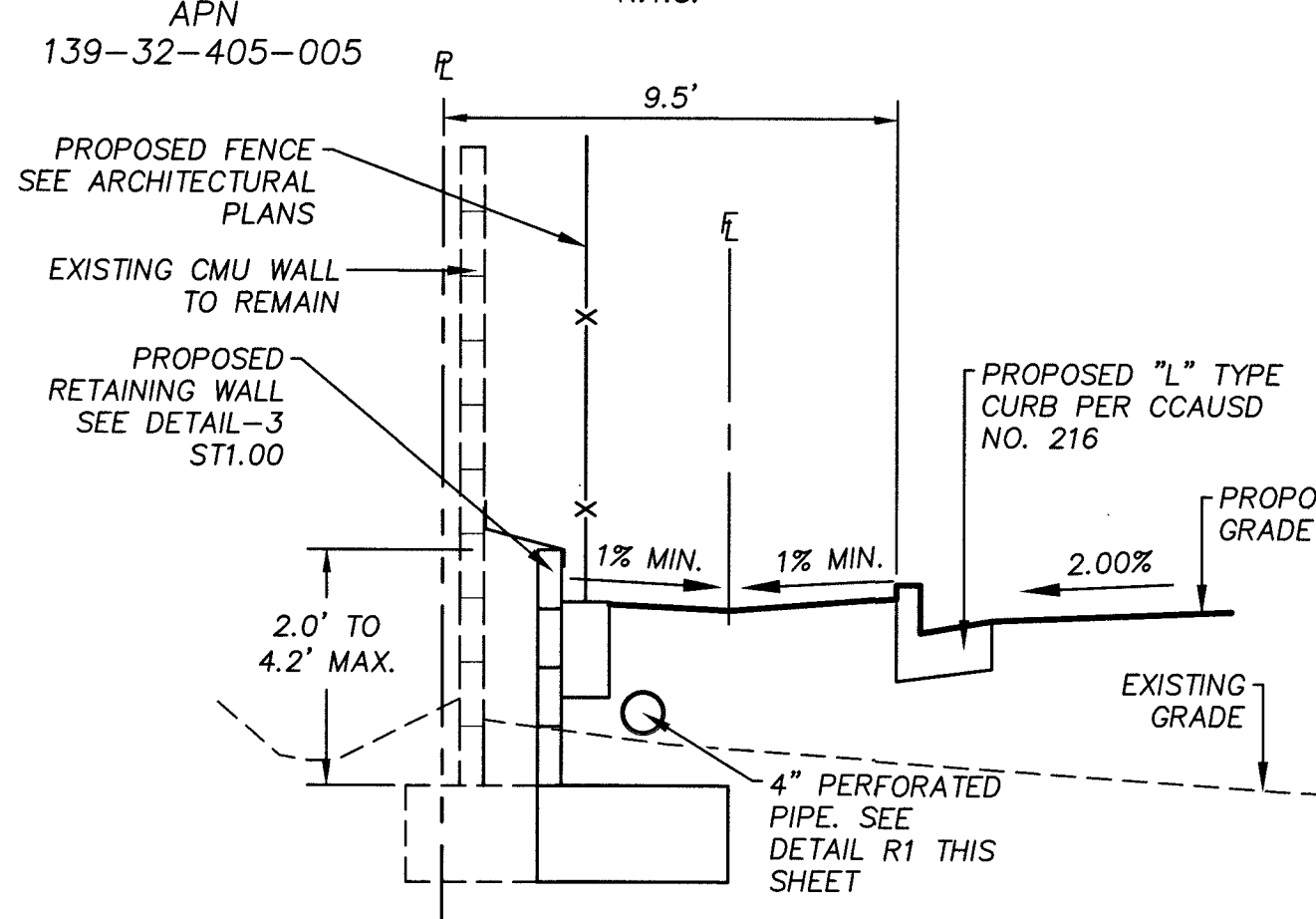
SOUTH PROPERTY CHANNEL AND EXISTING WALL DETAIL

N.T.S. (N) C6.02



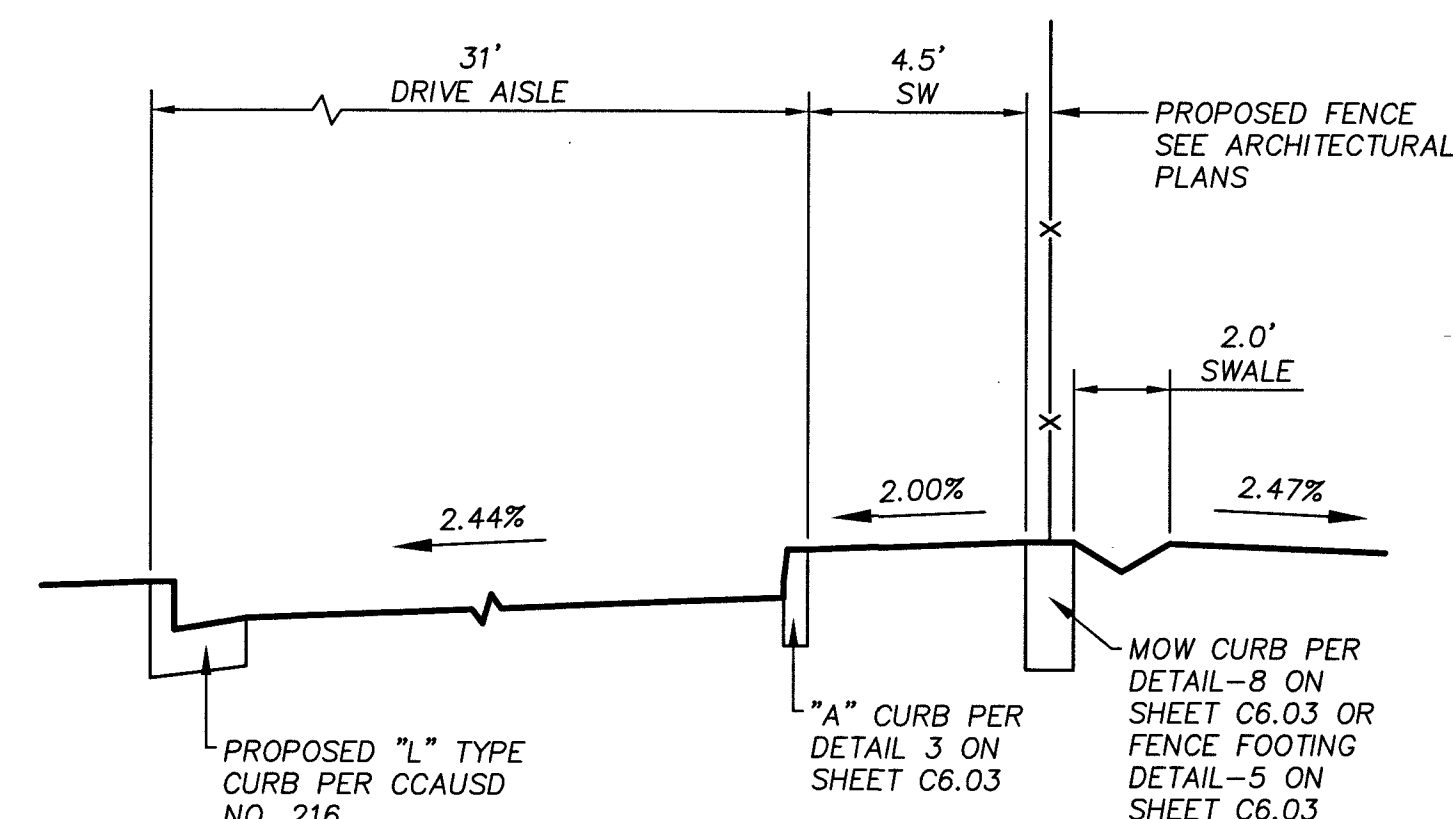
EAST PROPERTY CHANNEL, FENCE AND WALL DETAIL

N.T.S. (H) C6.02



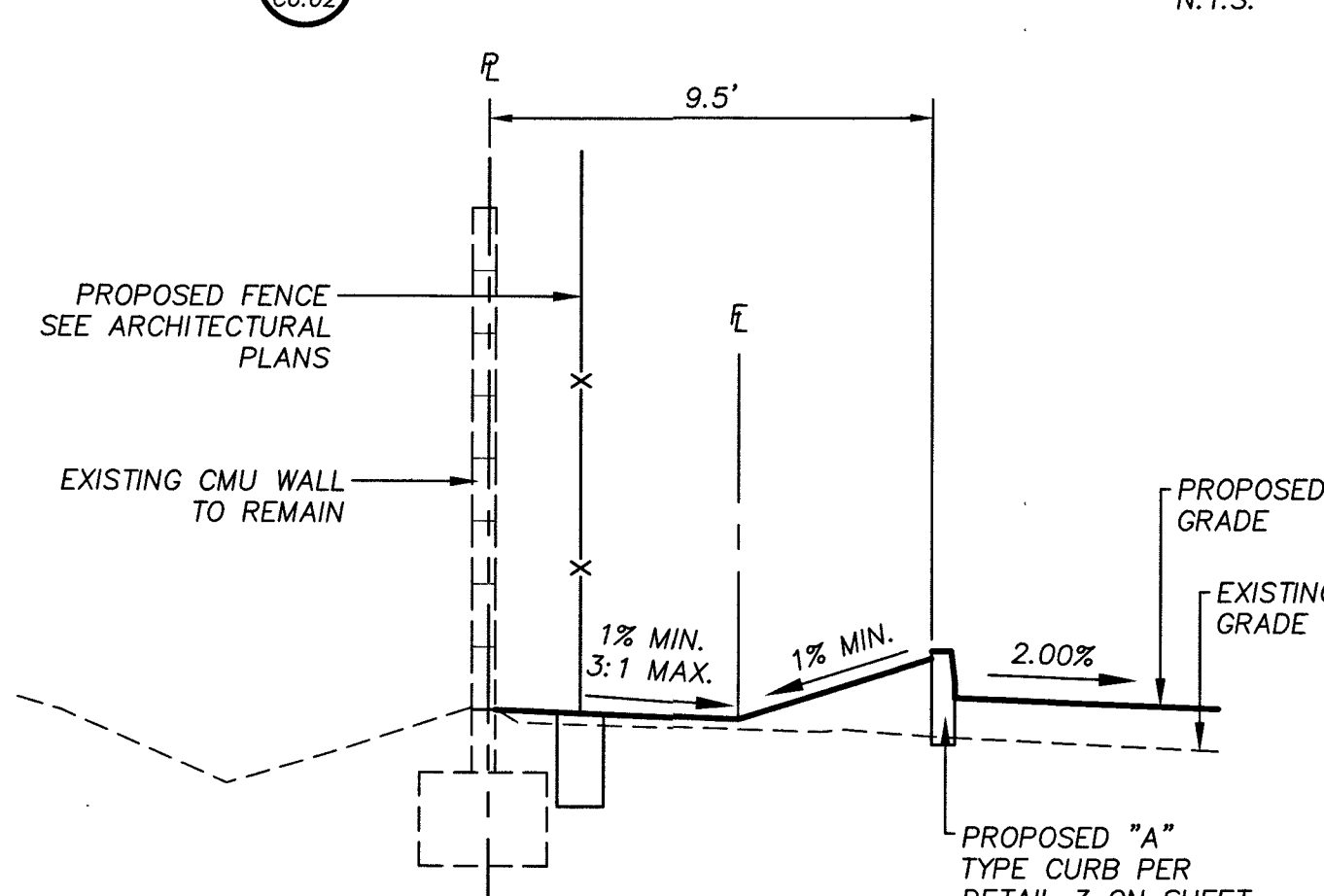
SOUTHWEST CORNER CHANNEL DETAIL

N.T.S. (K) C6.02



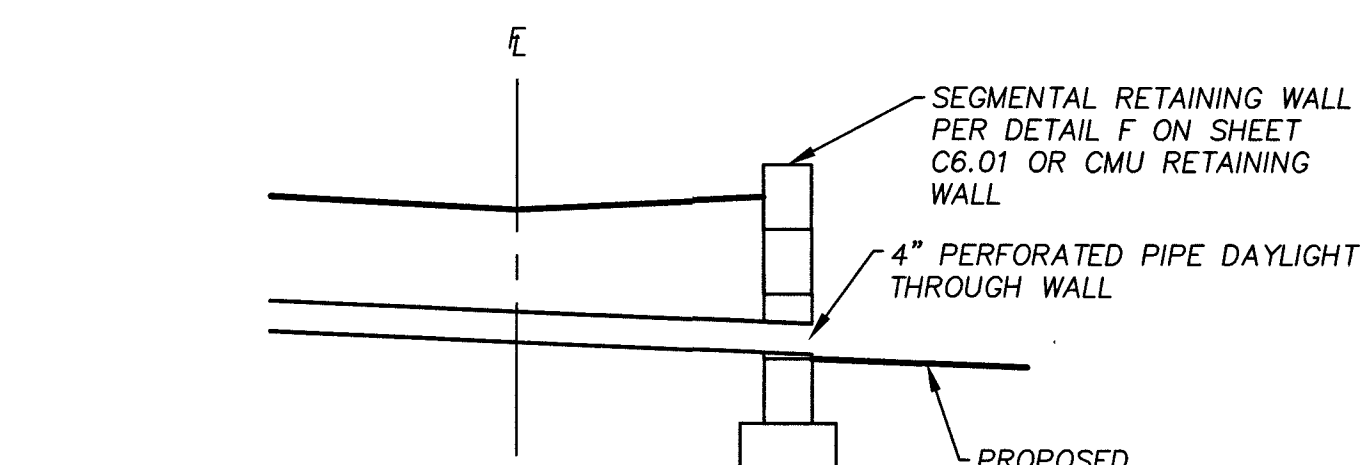
SWALE AT KINDER TURF AREA DETAIL

N.T.S. (O) C6.02



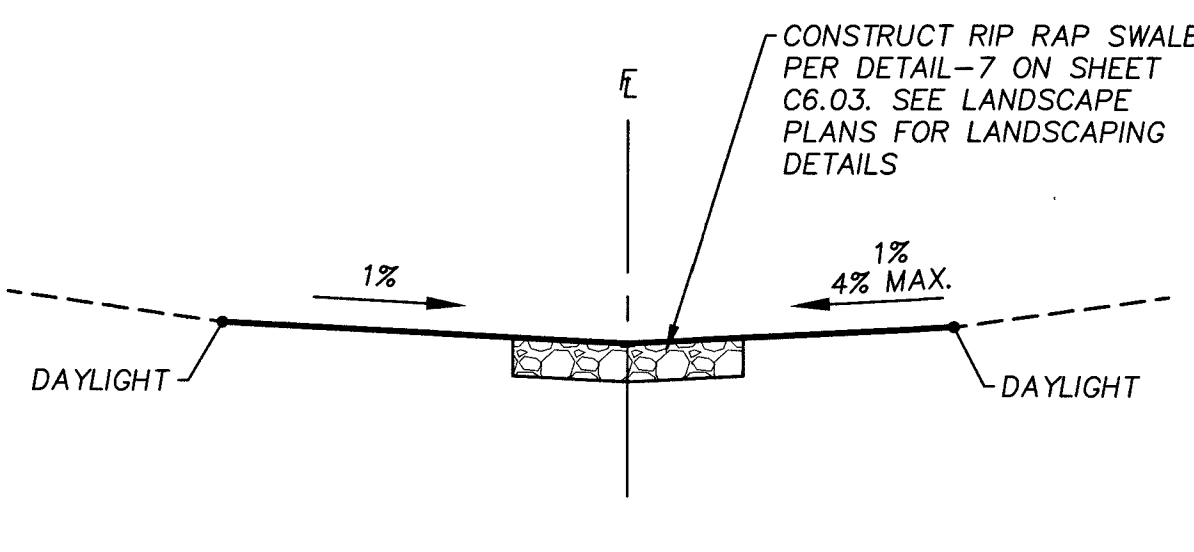
WEST PROPERTY CHANNEL DETAIL

N.T.S. (L) C6.02



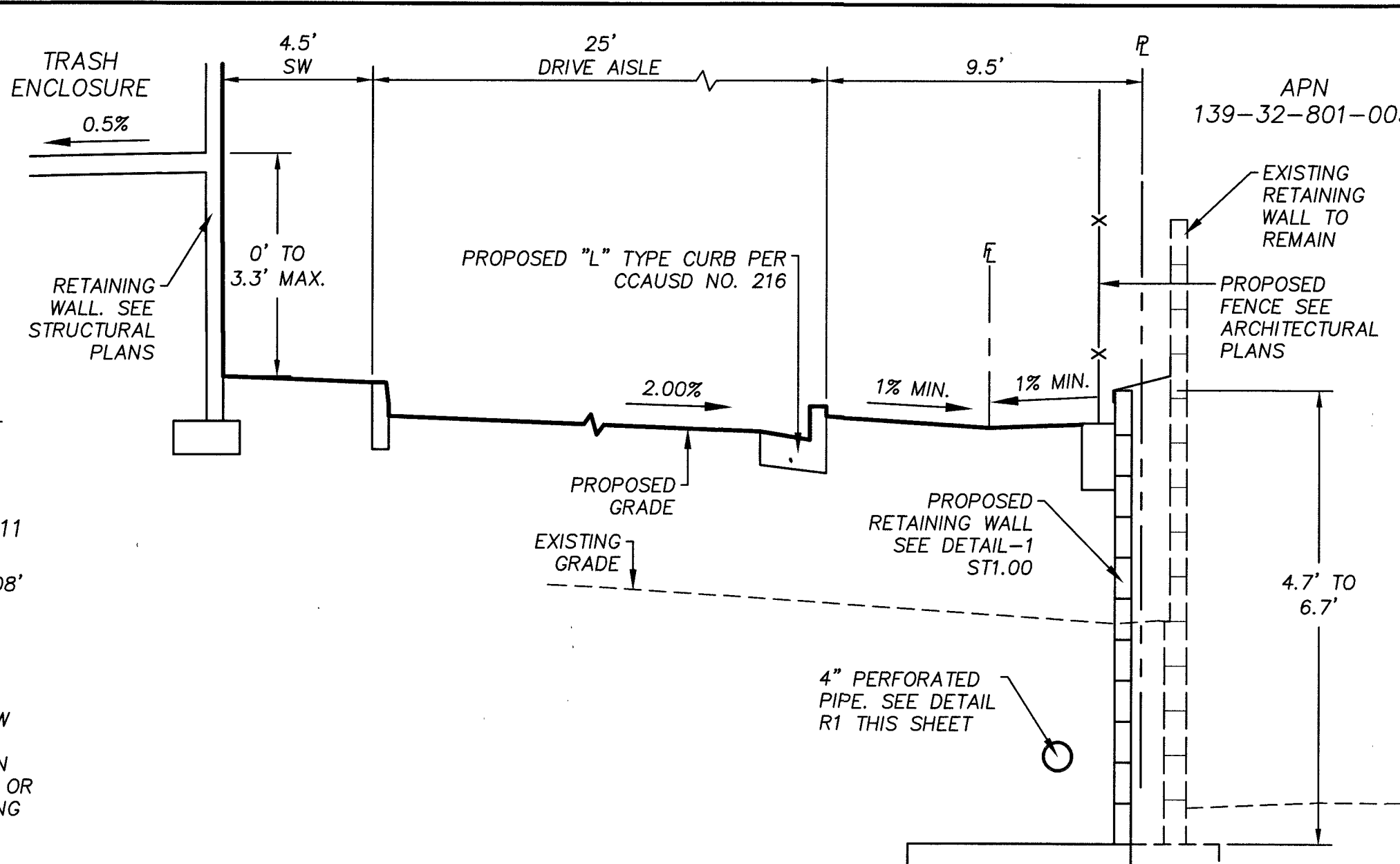
PERFORATED PIPE DAYLIGHT DETAIL

N.T.S. (P) C6.02



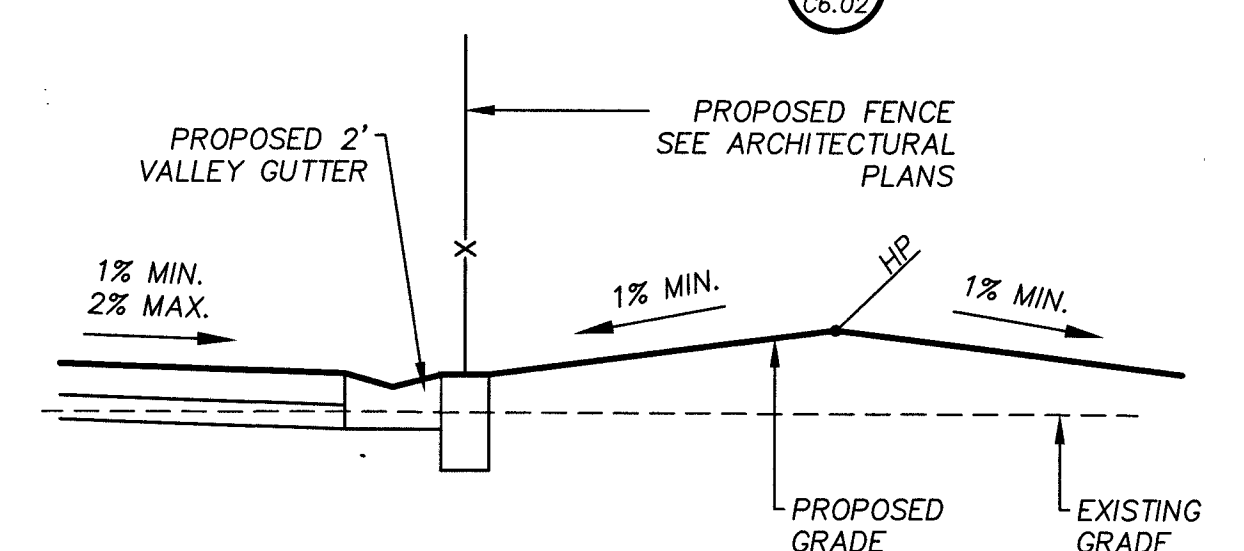
SWALE AT NORTH STORM DRAIN OUTLET

N.T.S. (Q) C6.02



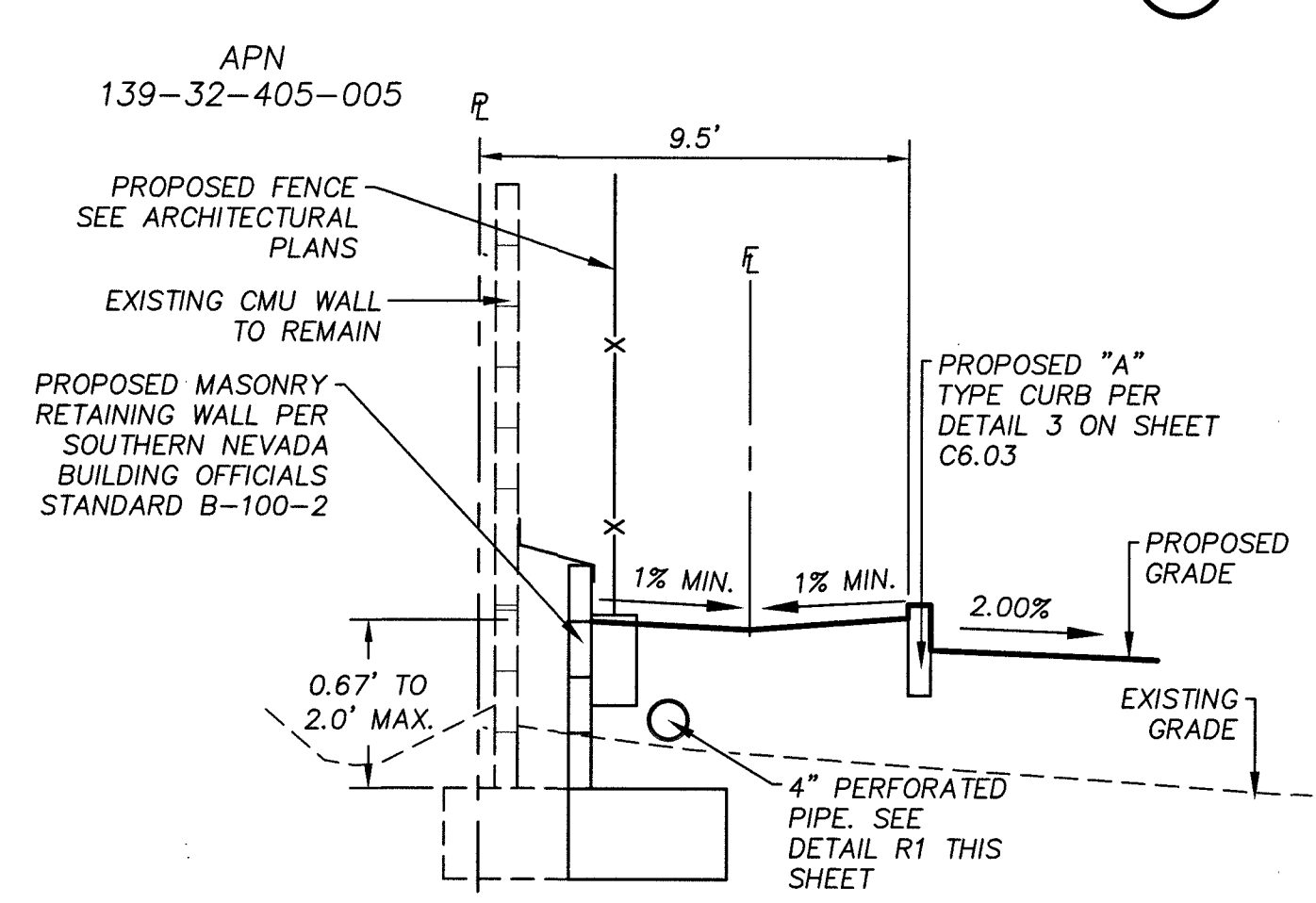
EAST PROPERTY CHANNEL AND EXISTING WALL DETAIL

N.T.S. (I) C6.02



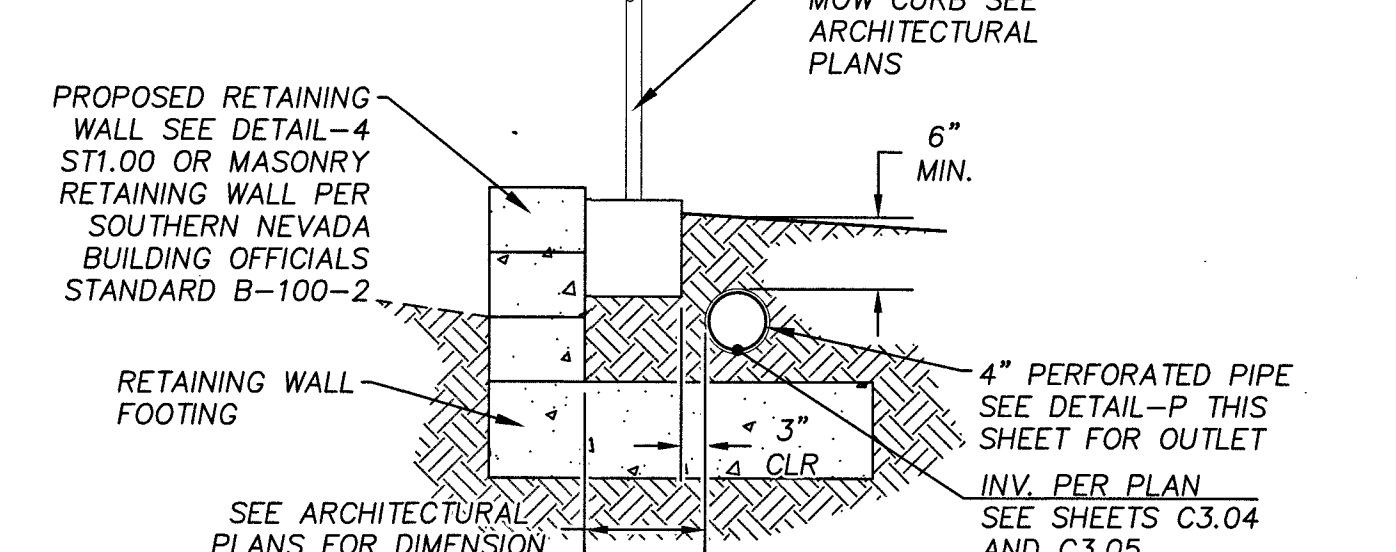
VALLEY GUTTER GRADING DETAIL

N.T.S. (M) C6.02



WEST PROPERTY CHANNEL DETAIL

N.T.S. (R) C6.02



RETAINING WALL DRAIN PIPE DETAIL

N.T.S. (R1) C6.02

BASIS OF BEARING

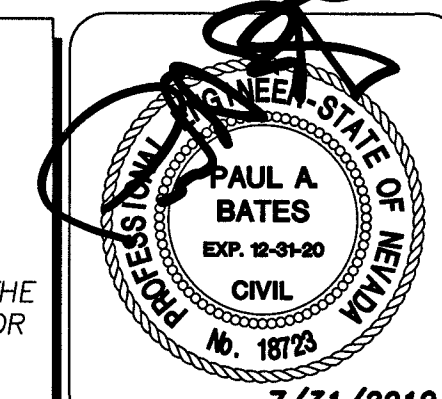
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV01325WB (RE-OBSERVED DATE 2005-2007) RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO. ELEVATION = 640.727M (NAVD'88) = 2102.12FT (NAVD'88)



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REV.	DESCRIPTION	DATE	APPROVAL

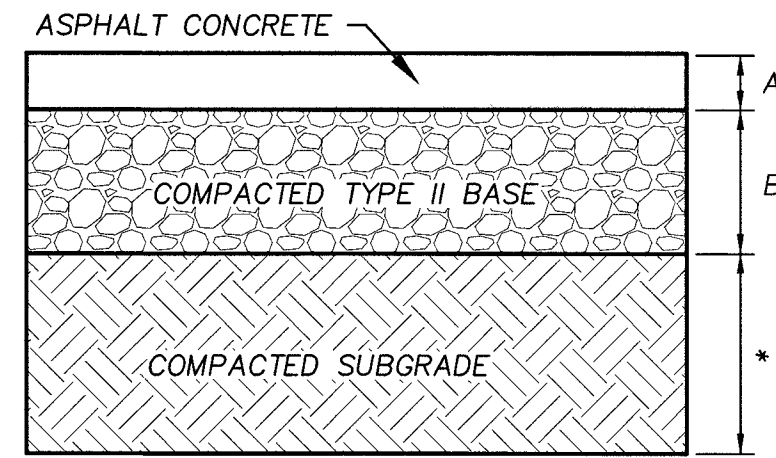
ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1100 MIDWAY TRAIL, HENDERSON, NV 89074-9010

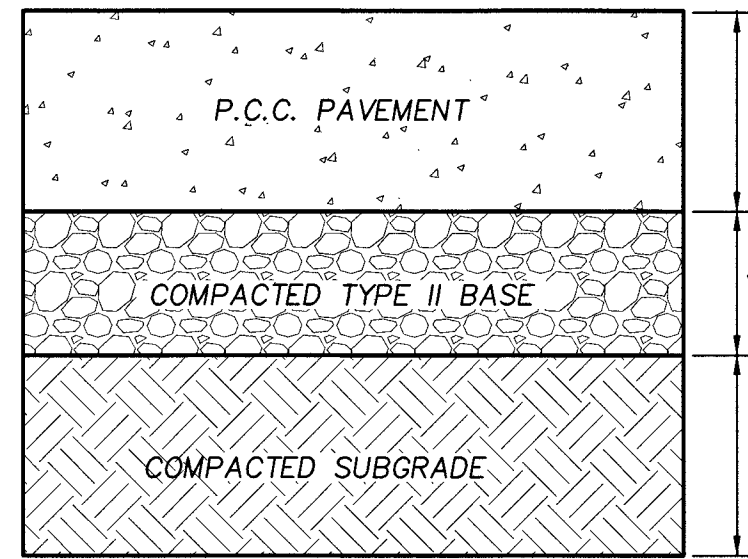
CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

DESIGNED BY: J. CABREJA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
HORIZ.: AS SHOWN
VERT.: AS SHOWN

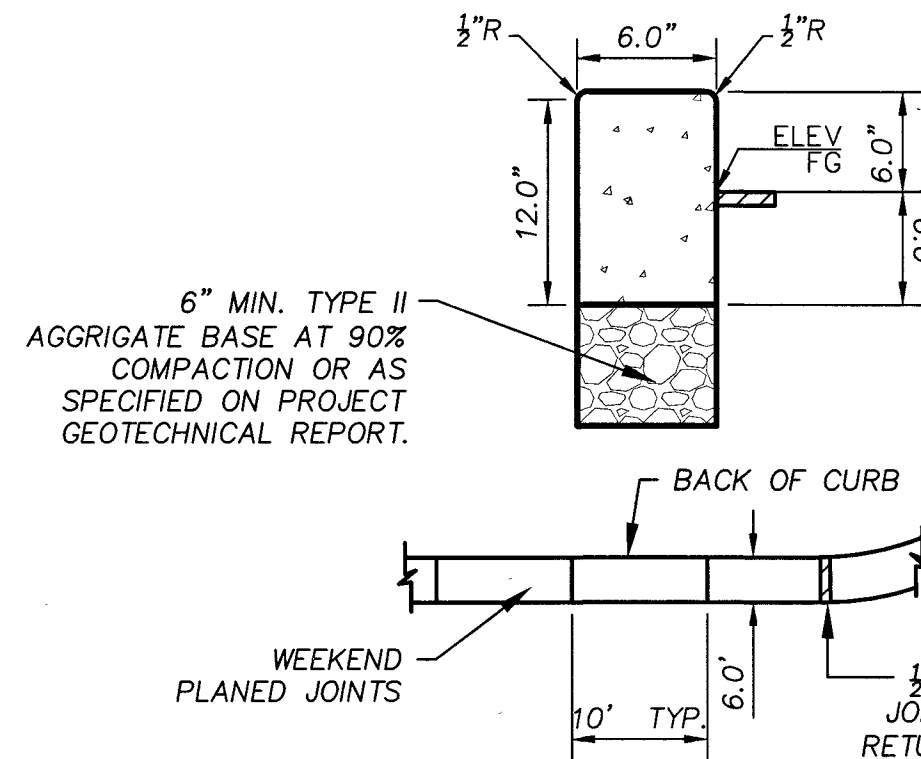
THICKNESS SCHEDULE		
	A	B
TRAFFIC AREA	ASPHALT	TYPE II BASE
MINOR COLLECTOR (STREET)	3.5"	5.0"
INTERIOR DRIVE AND PARKING LANES	2.5"	4.5"
FIRE ACCESS LANES	3.5"	5.0"



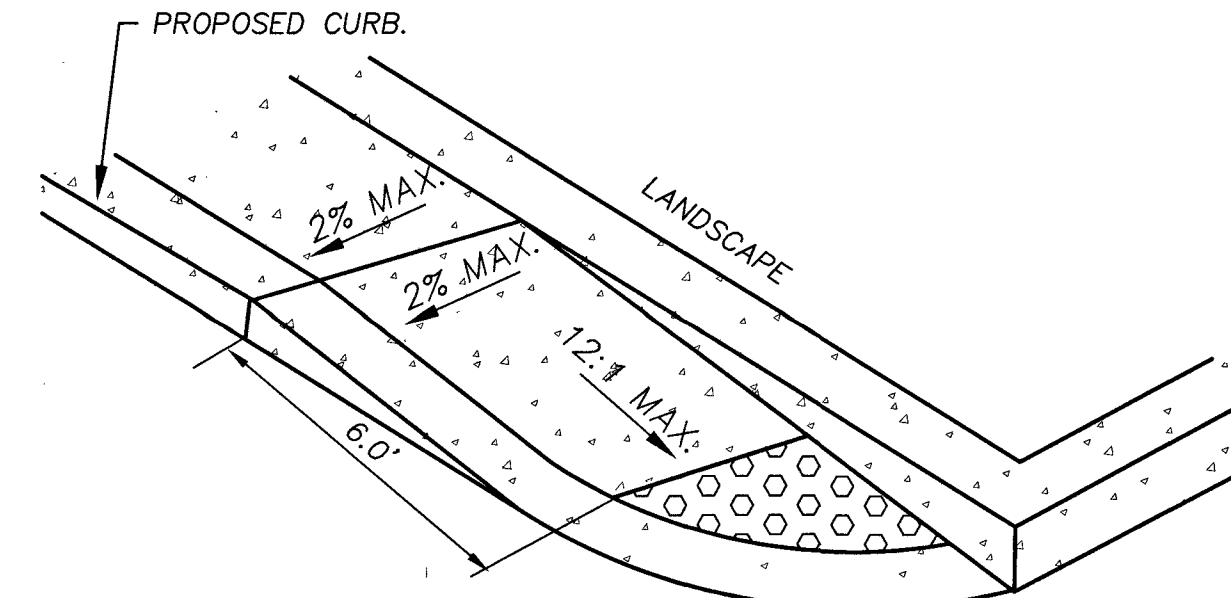
* REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR PLACEMENT OF COMPACTED SUBGRADE



* REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR PLACEMENT OF COMPACTED SUBGRADE



1/2" EXPANSION JOINT AT ALL COLD JOINTS. AT BEGINNING AND END OF, RETURN AND T 300' MAX. INTERVALS FOR EXTRUDED CURB AND 30' MAX. INTERVALS FOR FORMED CURB, FOR JOINT DETAIL SEE CCAUSD #234

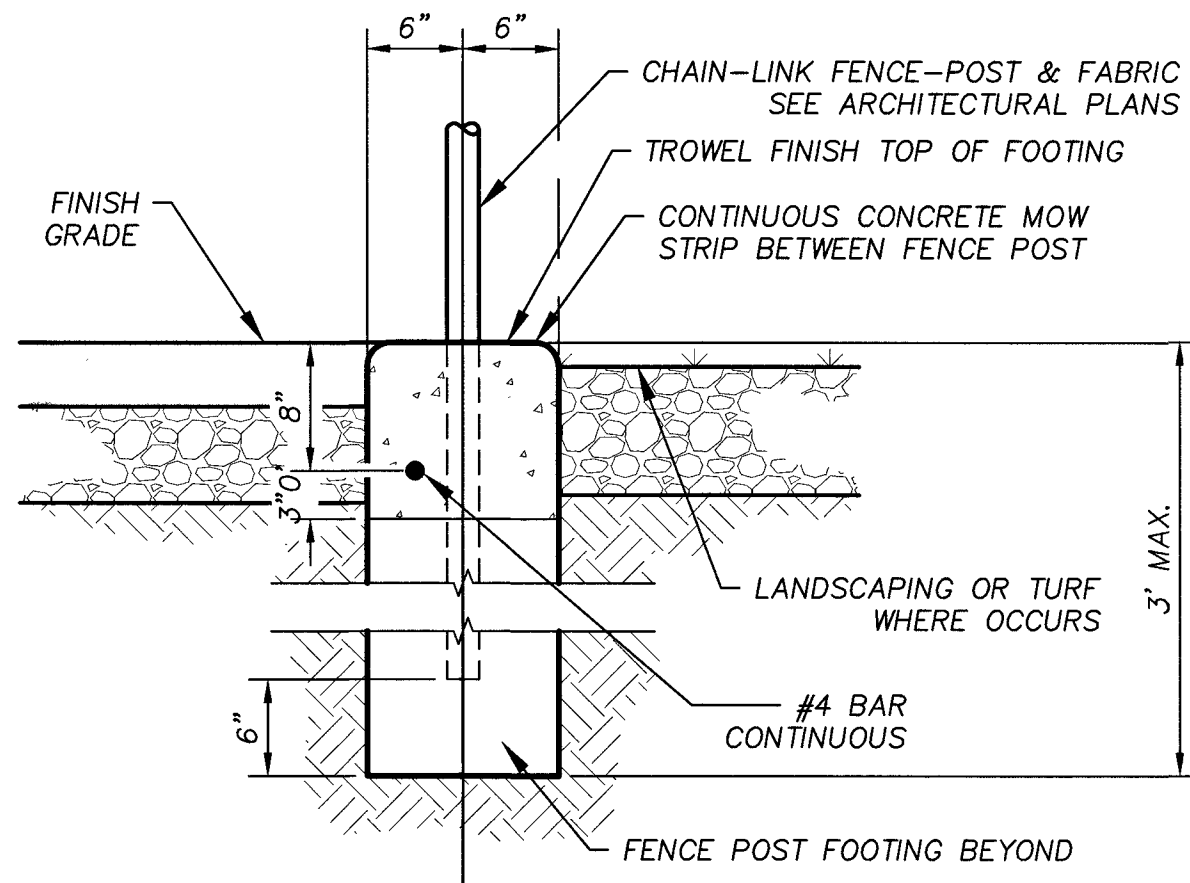


- NOTES:
1. RAMP LENGTHS SHALL BE 6'-0" (72") MAXIMUM FOR EACH 6" RISE.
 2. RAMP LANDINGS SHALL BE FLAT FOR A MINIMUM OF 5'-0"
 3. RAMP CROSS SLOPES SHALL NOT EXCEED 1:48
 4. RAMP SLOPES SHALL NOT EXCEED 1:12
 5. HEIGHT OF CURBS (OR EDGES) SHALL NOT EXCEED 6"
 6. RAMP CLEAR WIDTHS TO BE 3'-0" MINIMUM
 7. RAMP HEIGHTS ARE NOT INTENDED TO EXCEED 6" HEIGHT PER EACH RUN
 8. DETECTABLE WARNING CONSISTING OF RAISED TRUNCATED DOMES TO BE INSTALLED PER CCAUSD NO. 235.

ONSITE AC PAVEMENT

N.T.S.

1
C6.03



- NOTES:
1. PROVIDE CONTROL JOINTS @ 10'-0" O.C

FENCE FOOTING DETAIL

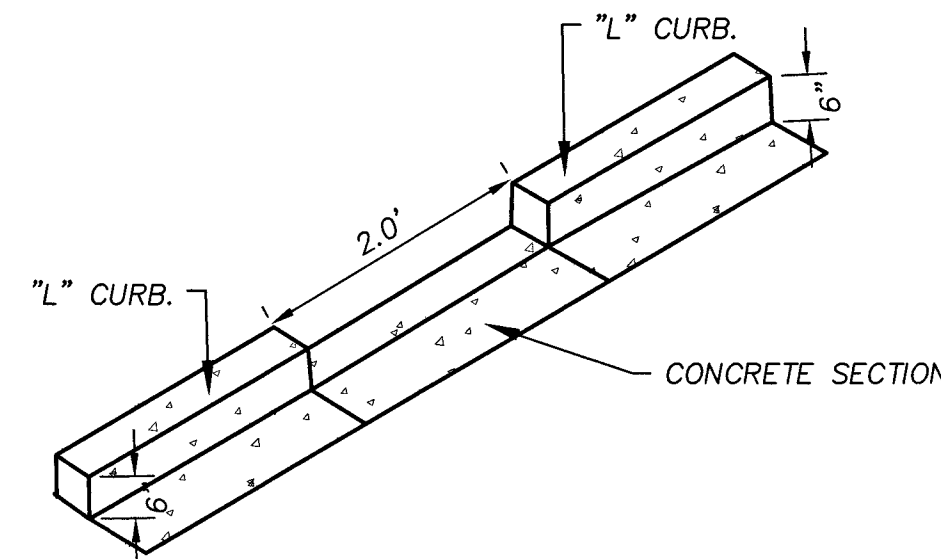
N.T.S.

5
C6.03

ONSITE CONCRETE PAVEMENT

N.T.S.

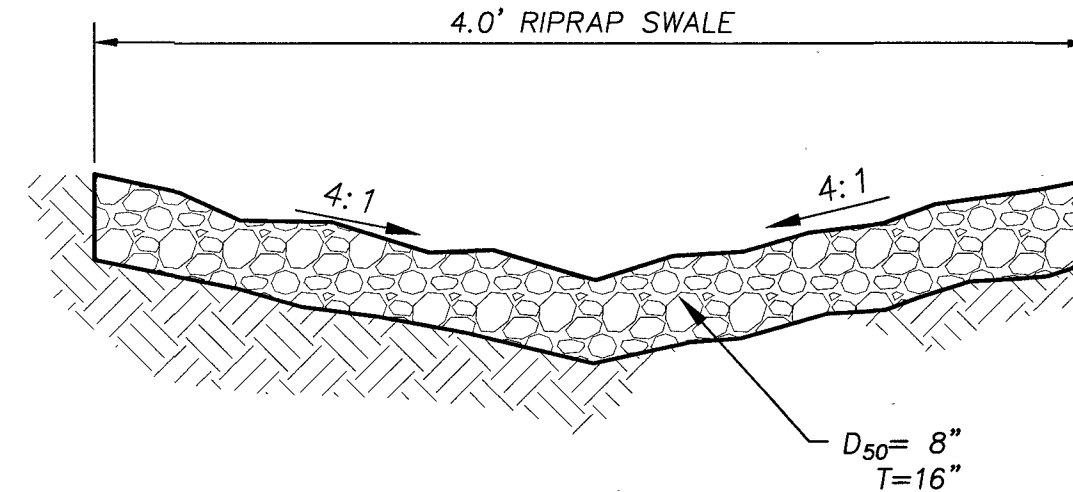
2
C6.03



CURB CUT

N.T.S.

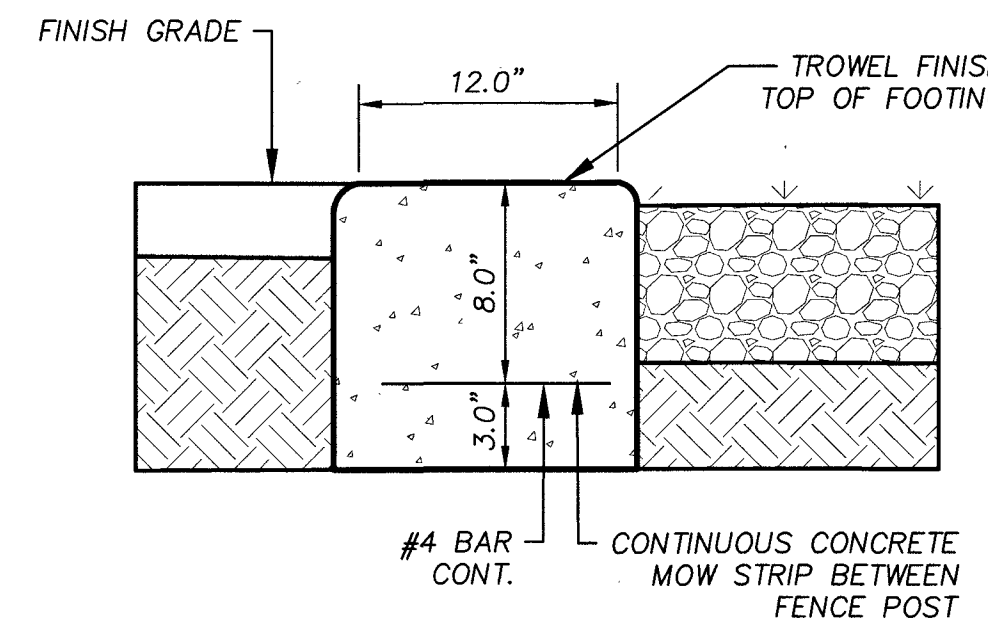
6
C6.03



RIPRAP SWALE

N.T.S.

7
C6.03



MOW CURB

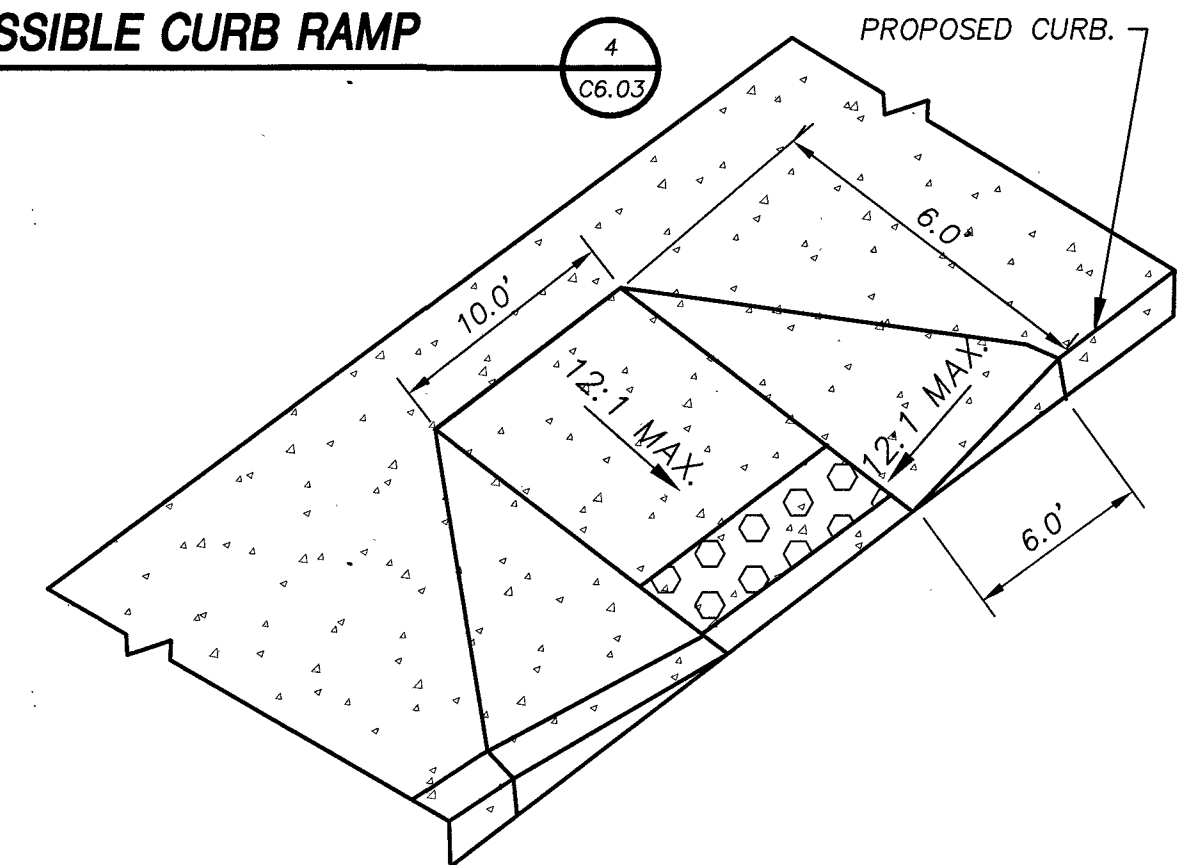
N.T.S.

8
C6.03

ACCESSIBLE CURB RAMP

N.T.S.

4
C6.03

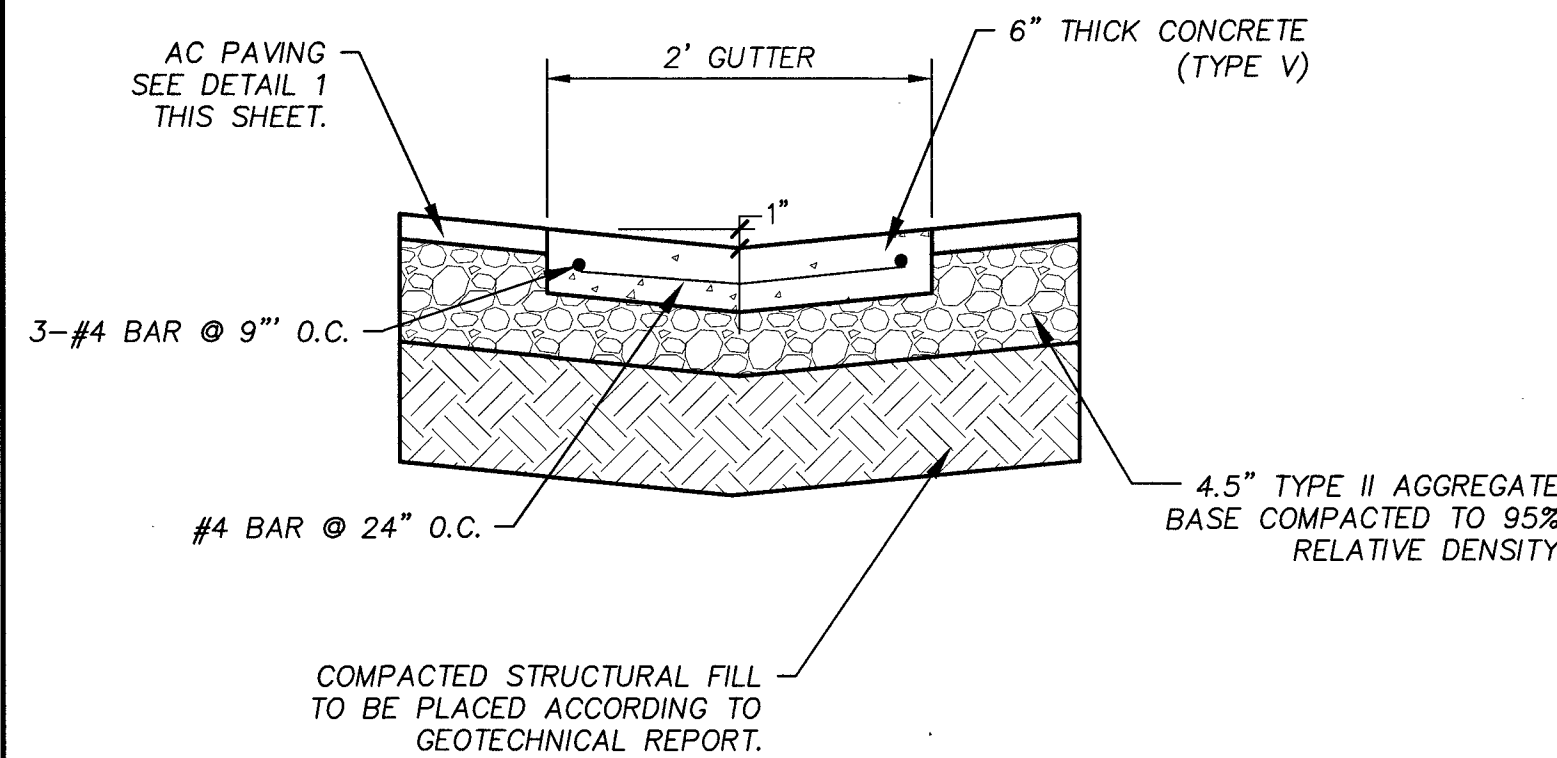


- NOTES:
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CURB RAMP DETAIL

N.T.S.

9
C6.03

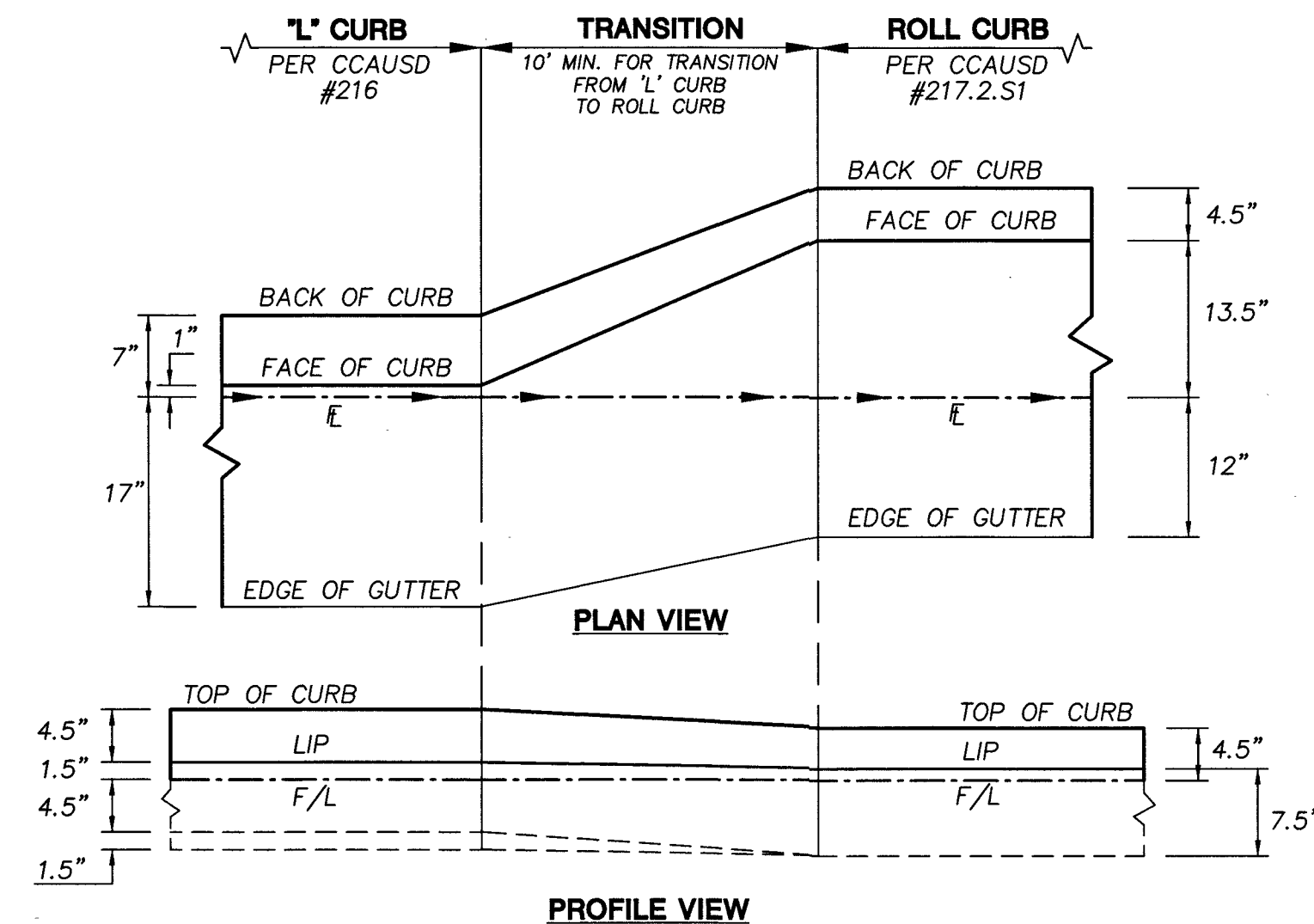


NOTE:
PROVIDE EXPANSION JOINTS @ 30'-0" O.C.
AND CONTROL JOINTS @ 5'-0" O.C.
IN CONCRETE DRAIN.

2' CONCRETE GUTTER

N.T.S.

10
C6.03



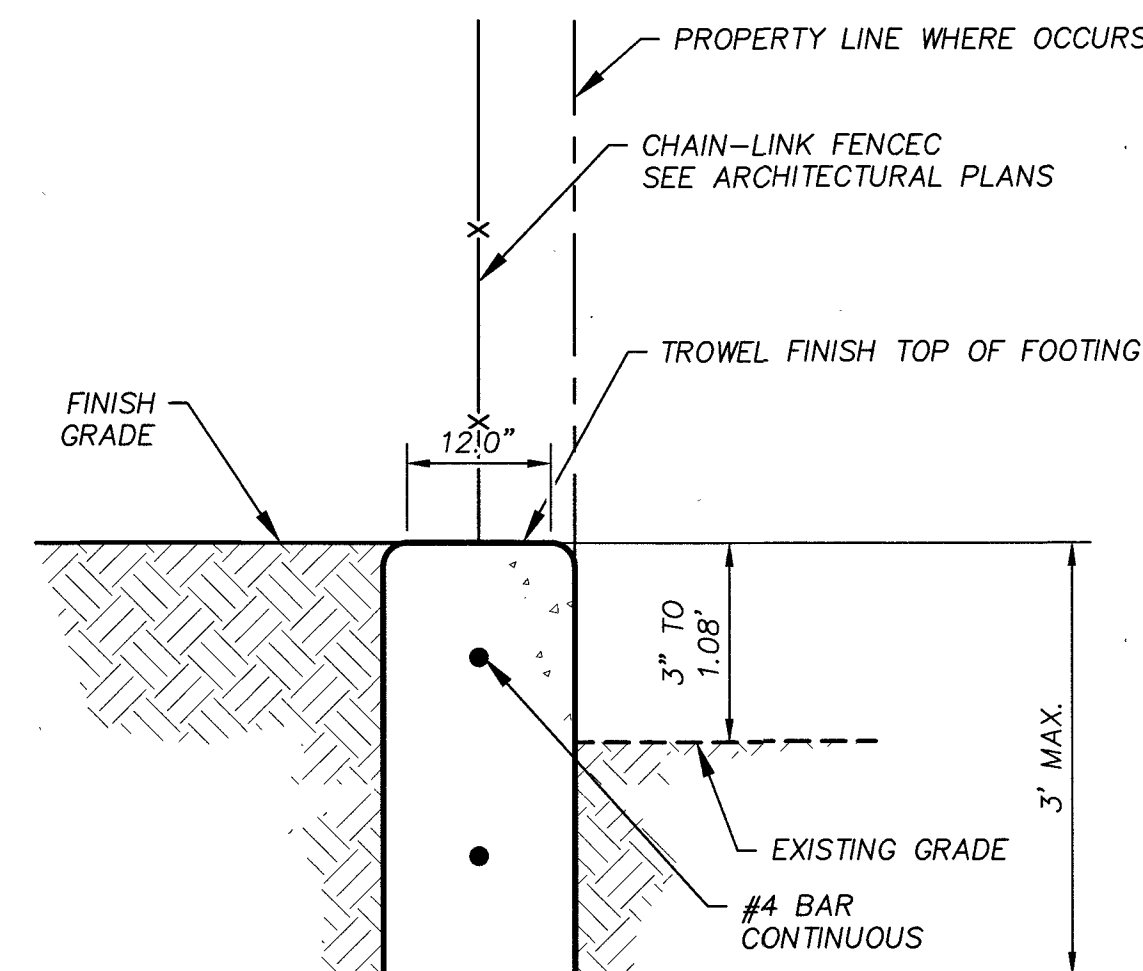
NOTE:

FOR CLARITY THE FLOWLINE IN THIS DETAIL IS SHOWN AT 0% SLOPE, HOWEVER CONTRACTOR SHALL MAINTAIN SLOPE OF FLOWLINE PER PLAN THROUGHOUT TRANSITION.

TYPE 'L' CURB TO ROLL CURB TRANSITION

N.T.S.

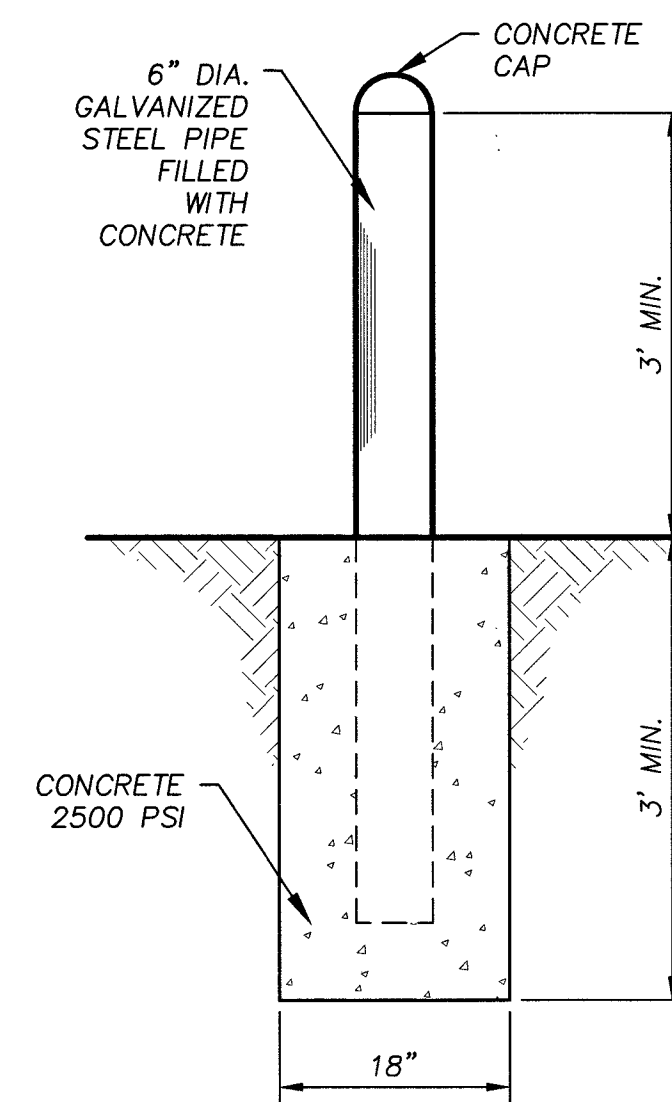
11
C6.03



MODIFIED MOW CURB

N.T.S.

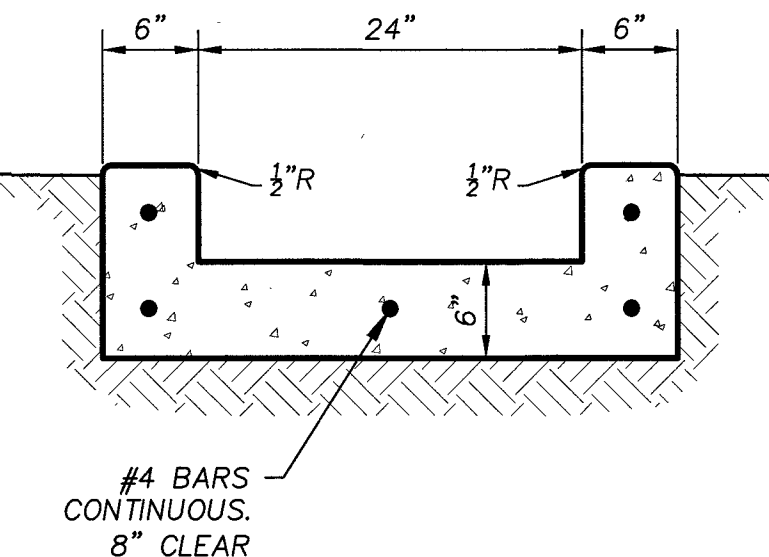
12
C6.03



PIPE BOLLARD DETAIL

N.T.S.

13
C6.03



U-CHANNEL DETAIL

N.T.S.

14
C6.03

BASIS OF BEARING

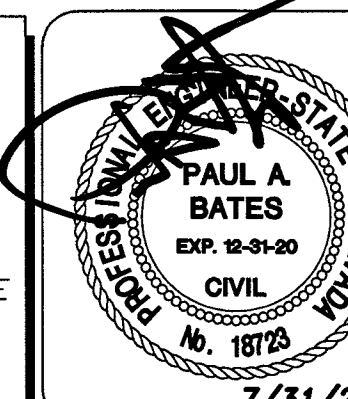
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (CORS2011) EPOCH 2010.00.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLVD1325WB (RE-OBSERVED DATE 2005-2007) RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO. ELEVATION = 640.727M (NAVD'88) = 2102.12FT (NAVD'88)



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ATKINS

2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: 702.263.7275
Fax: 702.263.7200

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT
1800 MILITARY TRAIL, SUITE 100, HENDERSON, NV 89011
PHONE: 702.799.9700

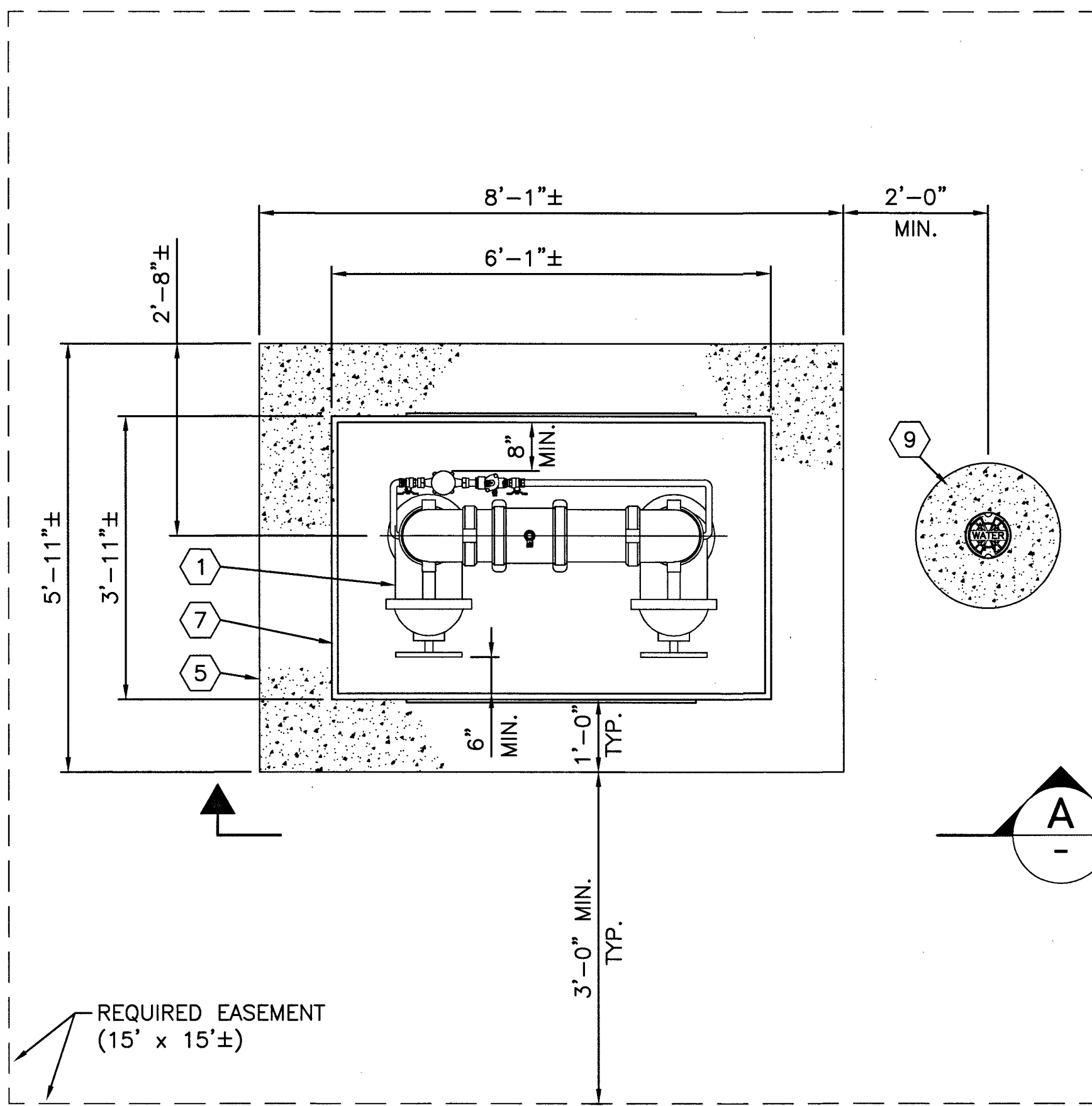
CLARK COUNTY SCHOOL DISTRICT

PROPOSED WALDEN ELEMENTARY SCHOOL REPLACEMENT
2831 PALOMINO LANE, LAS VEGAS NEVADA 89107

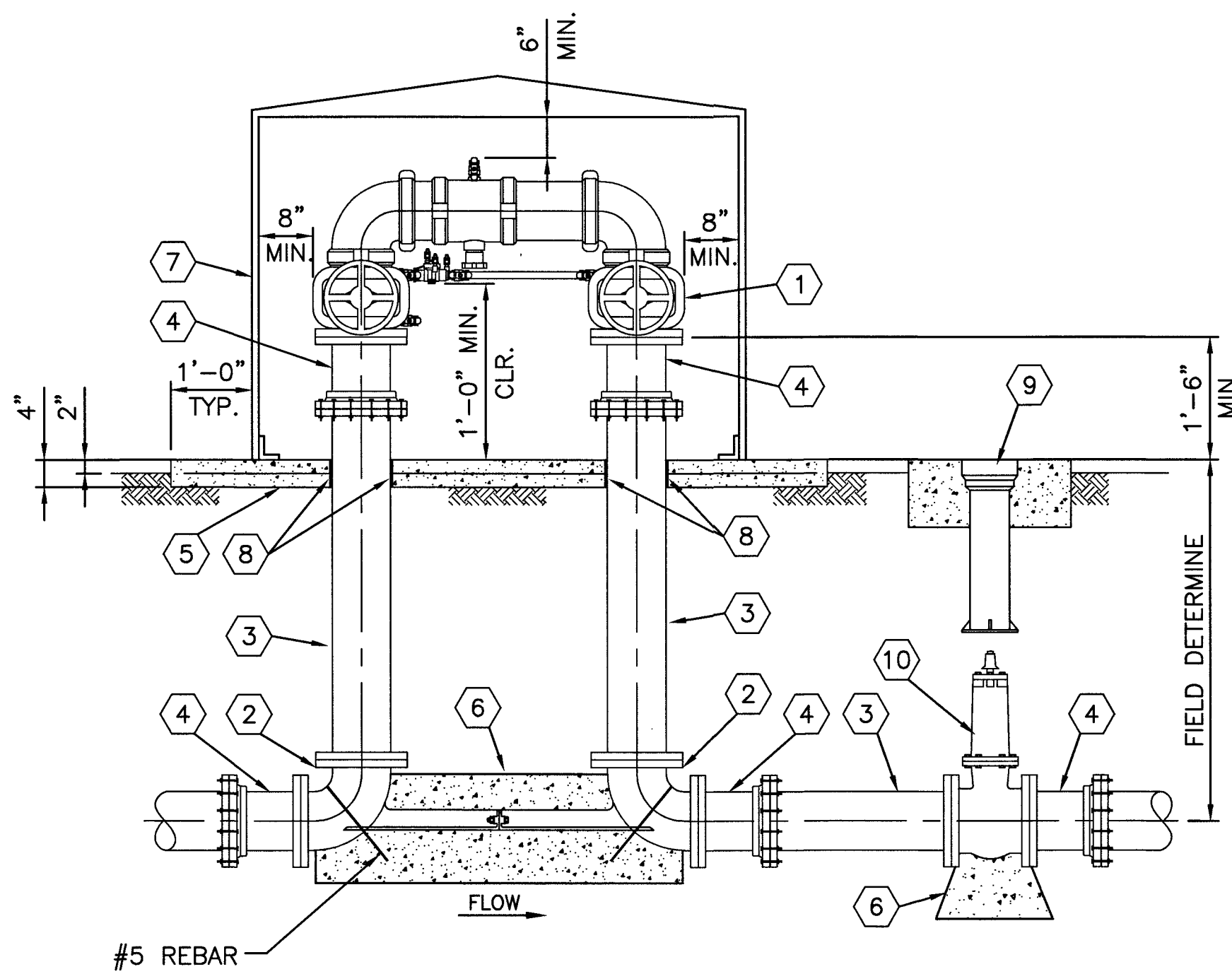
DESIGNED BY:
J. CABRERA

DRAWN BY:
M. FREY
DATE:
6/24/2019
CHECKED BY:
PAUL A. BATES
DRAWING NO. 31/34
HORIZ: AS SHOWN
VERT: AS SHOWN
C6.03
119-00703 715-216

DESIGNED BY: J. CABRERA	DRAWN BY: M. FREY	CHECKED BY: P. BATES	HORIZ.: AS SHOWN	VERT.: AS SHOWN
JOB NO. 100062041		DATE: 6/24/2019		
L19-00703		DRAWING NO. 32/34		
		C6.04		
715-216				



PLAN



SECTION A

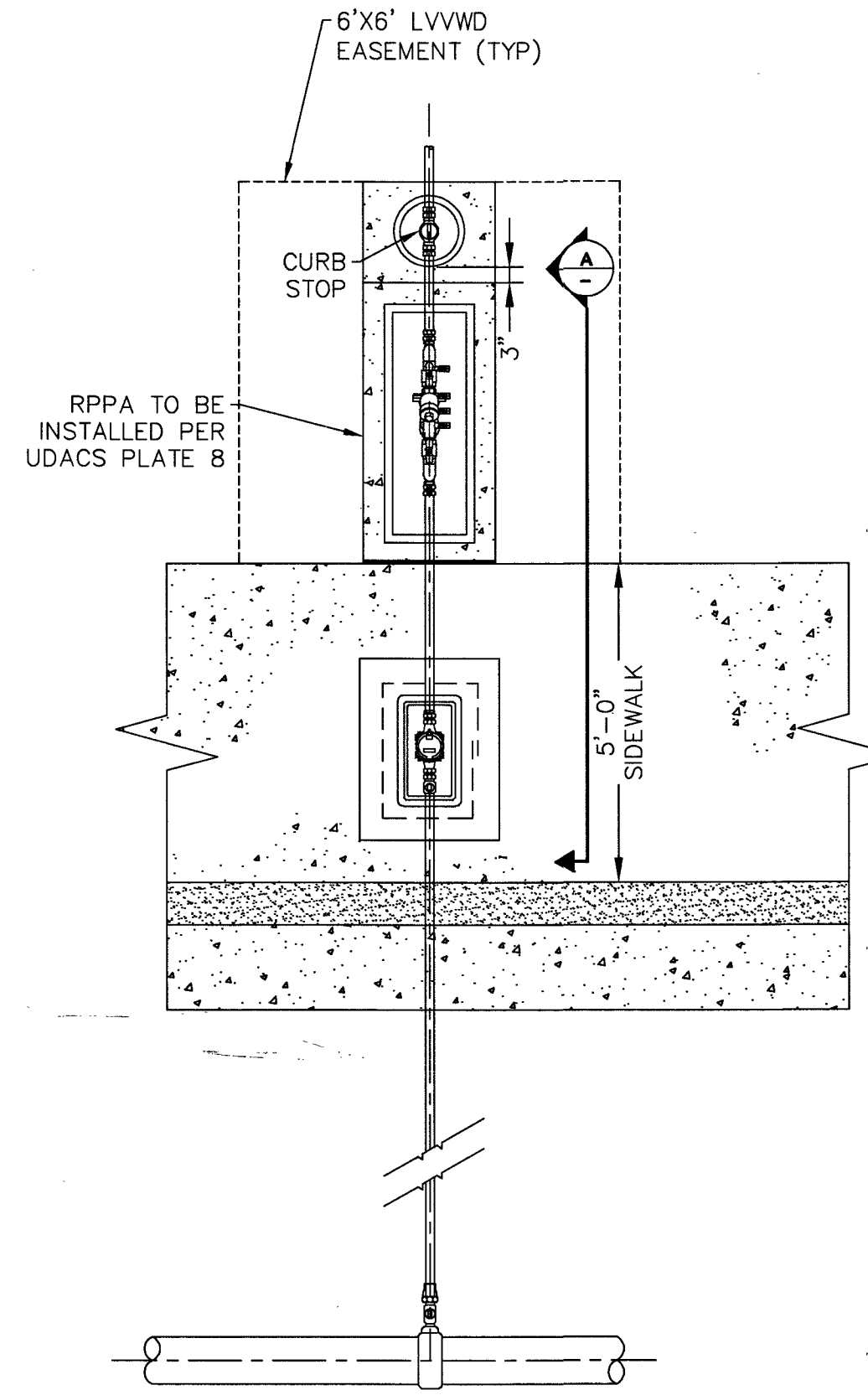
REDUCED PRESSURE DETECTOR ASSEMBLY

N.T.S. (USE NRS GATE VALVES ONLY) BF3-3 020719 C6.05

- ### MATERIAL LIST
- REDUCED PRESSURE DETECTOR (RPDA) BACKFLOW ASSEMBLY
 - PIPE SETTER, 90° FLG BEND
 - 8" FLG x PE DUCTILE IRON PIPE, PC 350 (CUT TO FIT)
 - 8" ADAPTER FLANGE (RESTRAINED)
 - CONCRETE SLAB (4" THK) WITH WELDED WIRE FABRIC, 4 x 4 - W1.4 x W1.4
 - CONCRETE THRUST/ANCHOR BLOCK
 - APPROVED ENCLOSURE (CONTRACTOR TO SUBMIT SHOP DRAWINGS)
 - 1/2" EXPANSION JOINT MATERIAL
 - VALVE BOX AND COLLAR (NOTE 2)
 - 8" FLG GATE VALVE

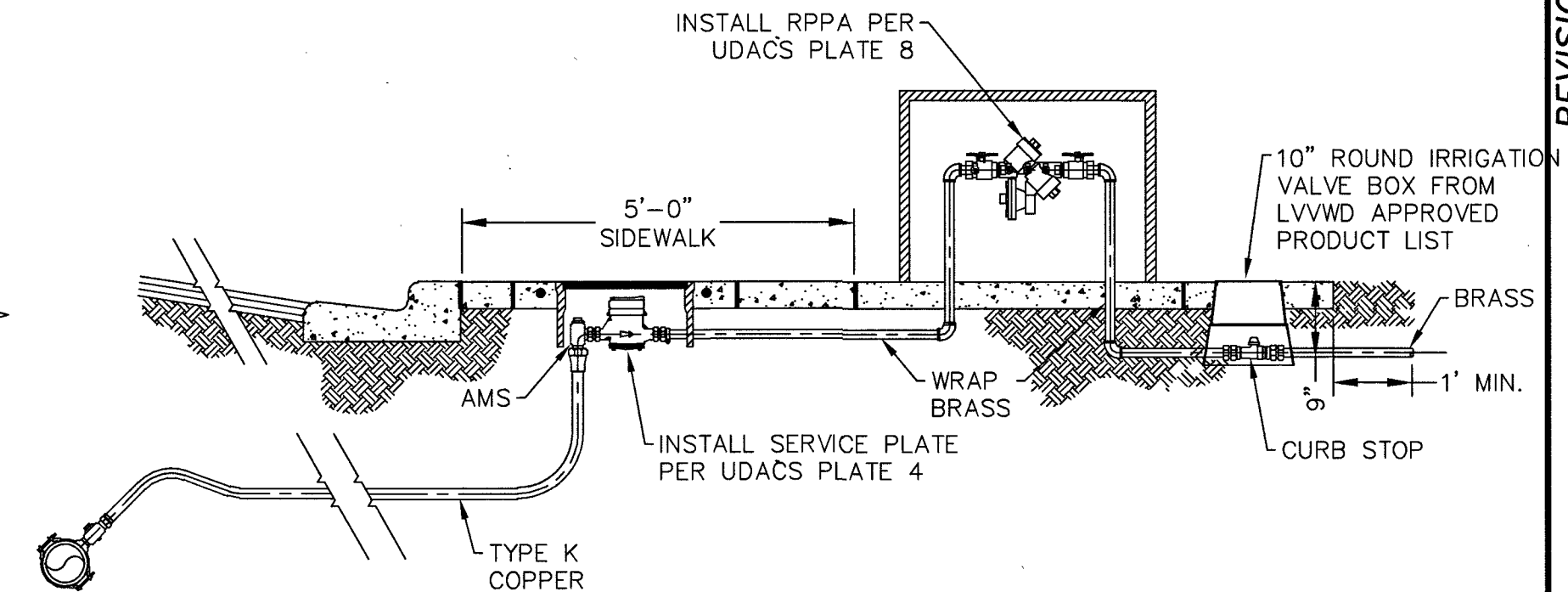
NOTES:

- CONTRACTOR TO INSTALL #2 STAINLESS STEEL STRAIGHT CHAIN WITH DISTRICT PROVIDED LOCK THROUGH BACKFLOW ASSEMBLY GATE VALVE HANDWHEELS (AS REQUIRED).
- CONTRACTOR TO INSTALL VALVE LOCK DEVICE WITH DISTRICT PROVIDED LOCK (AS REQUIRED).



METER WITH RPPA AND CURBSTOP WITH IRRIGATION BOX COVER

N.T.S.



SECTION A

REVISIONS

REV.	DESCRIPTION	BY	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1100 MURRAY DRIVE, L.A. HENDERSON, NV 89011
PHONE: 702-799-8700

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2851 PALOMINO LANE, LAS VEGAS NEVADA 89107

WATER MAIN DETAILS

APPROVED FOR CONSTRUCTION

Paul A. Bates
PAUL A. BATES
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136383 FIRST APPROVED DATE: 8-26-19

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE REFERENCE FRAME BEING NAD 83 (GCRS2011) EPOCH 2010.00.

TRANSVERSE MERCATOR PROJECTION

STANDARD PARALLEL & GRID ORIGIN: 36°15'00"N
CENTRAL MERIDIAN: 114°58'00"W
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
328,063.3333 FEET(US)
STANDARD PARALLEL SCALE: 1.0001 (EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV01325WB (RE-OBSERVED DATE 2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)

FAST
Call before you Dig
1-702-432-5300
1-800-642-2444

Call before you Dig
Call 811
1-702-227-2929

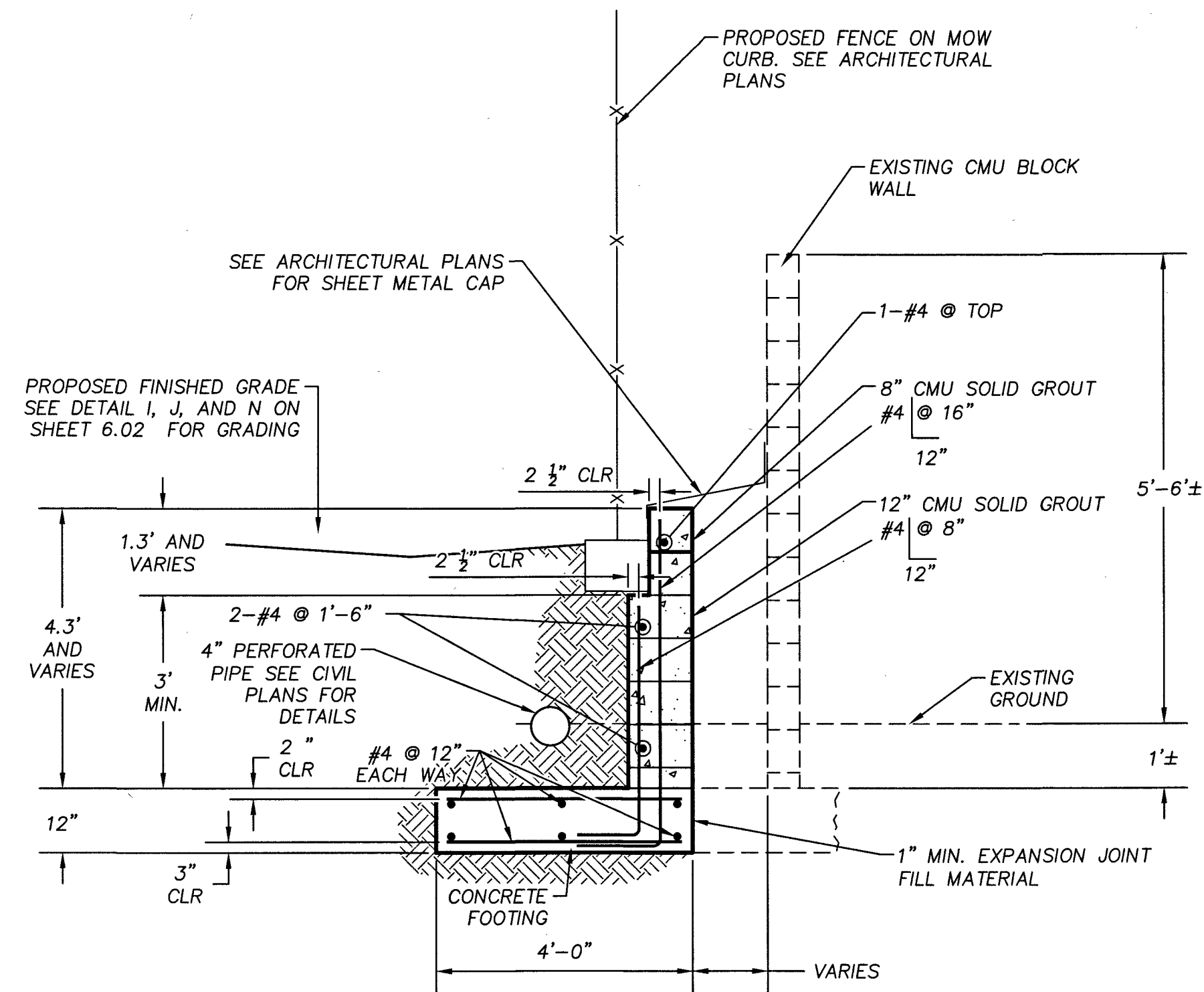
CALL BEFORE YOU DIG
1-702-227-2929

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PAUL A. BATES
CIVIL
No. 18173
7/31/2019

DESIGNED BY: J. CABRERA
DRAWN BY: M. FREY
CHECKED BY: P. BATES
HORIZ.: AS SHOWN
VERT.: AS SHOWN
JOB NO. 100062041
DATE: 8/24/2019
DRAWING NO. 33/34
C605
19-00703 715-216

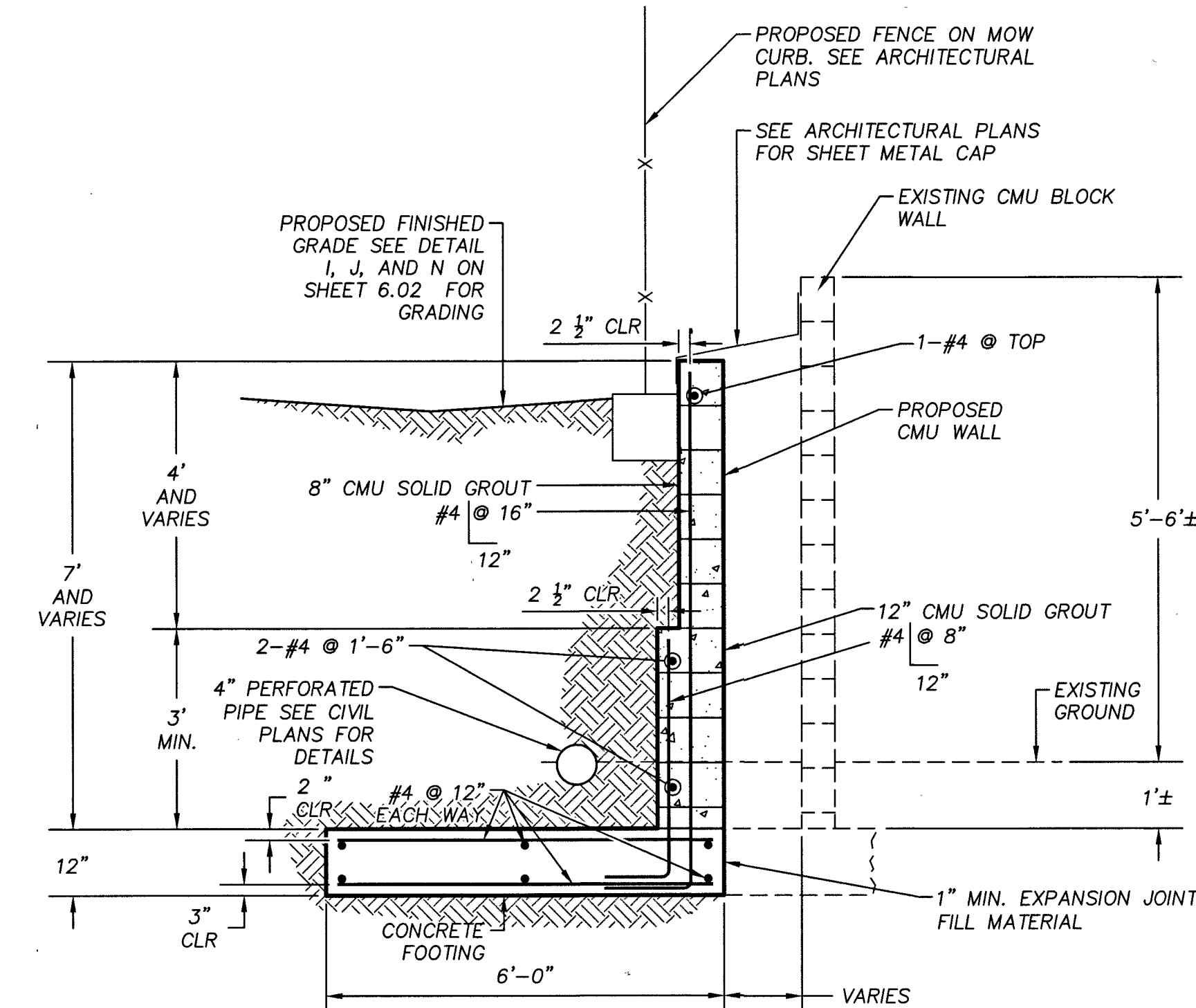
PROJ. # 136383 QS:136383-SW



4' CMU RETAINING WALL DETAIL

1"=2'

3
ST1.00



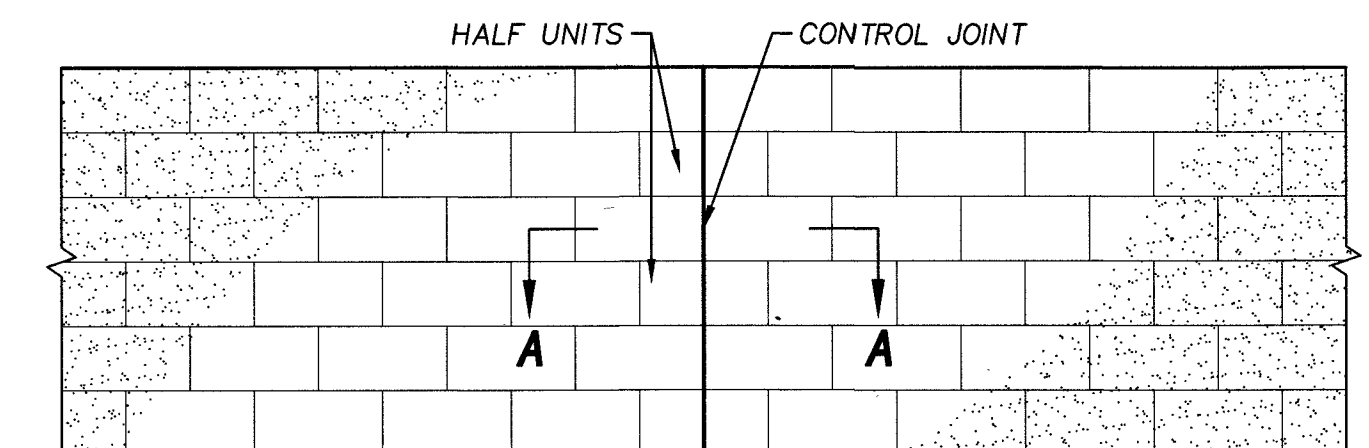
7' CMU RETAINING WALL DETAIL

1"=2'

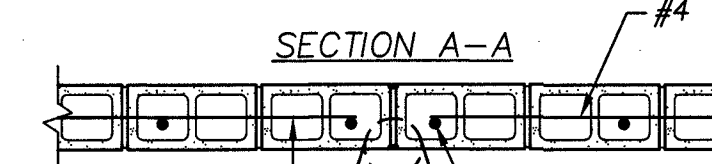
1
ST1.00

RETAINING WALL GENERAL NOTES

- DESIGN CRITERIA: TMS 402-13/602-13, IBC 2015, ACI 318-14
- SEISMIC LOAD: THE MINIMUM EARTHQUAKE INDUCED FORCE (FEQ) SHOULD BE $9.2H^2$ (LBS/LINEAR FOOT OF WALL). THE POINT OF APPLICATION IS TAKEN AT 0.6H ABOVE THE BASE OF THE WALL, WHERE "H" IS THE HEIGHT OF THE BACKFILL.
- SOIL PARAMETER:
SITE CLASS = C.
LATERAL EQUIVALENT FLUID PRESSURE = 40 PSF/FT.
PASSIVE EARTH PRESSURE = 250 PSF/FT.
COEFFICIENT OF FRICTION FOR SLIDING = 0.35
ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF
- CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
A. CONCRETE MASONRY SHALL CONFORM TO ASTM C90, F'M = 1500 PSI
B. MORTAR: TYPE M - 2500 PSI OR TYPE S - 1800 PSI
C. GROUT CONFORMS TO ASTM C 476, MINIMUM 2000 PSI
- THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOOTING CONCRETE SHALL BE OF 4500 PSI, TYPE V CEMENT, AND 0.45 WATER TO CEMENT RATIO.
- ALL REINFORCING STEEL SHALL BE GRADE 60, ASTM A615. MIN. LAP SPLICE: #4 BARS=24"
- CMU WALL CONTROL JOINT SPACING AT 24 FEET (MAX). VERTICAL REBARS SHALL BE LOCATED WITHIN 16 INCHES OF THE END.
- WATERPROOF THE INSIDE FACE OF ALL RETAINING WALLS PER 1805.3 OF 2015 IBC.

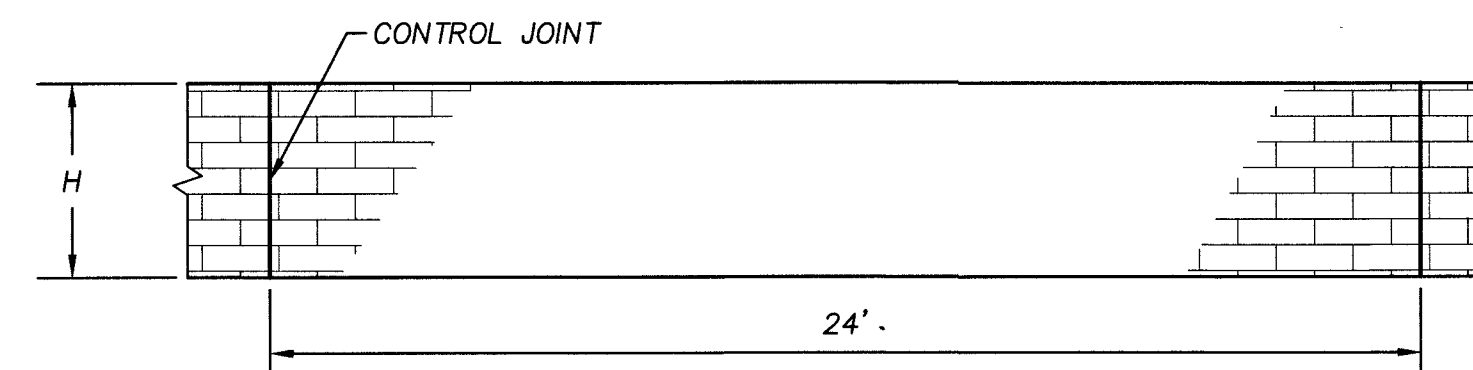
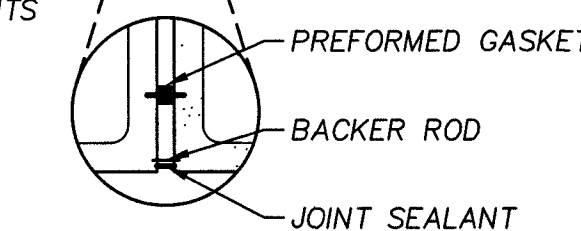


ELEVATION



SECTION A-A

TERMINATE ALL STRUCTURAL REINFORCING 2" FROM CONTROL JOINTS



WALL CONTROL JOINT DETAIL

N.T.S.

2
ST1.00

BASIS OF BEARING

TRANSVERSE MERCATOR PROJECTION
STANDARD PARALLEL & GRID ORIGIN:
361°00'N
CENTRAL MERIDIAN: 114°58'00"W
REFERENCE SYSTEM, LAS VEGAS ZONE, NORTH
AMERICAN DATUM OF 1983, SAID MERIDIAN
BEING COINCIDENT WITH 114°58' WEST OF THE
GREENWICH MERIDIAN, THE REFERENCE FRAME
BEING NAD 83 (DORS2011) EPOCH 2010.00.

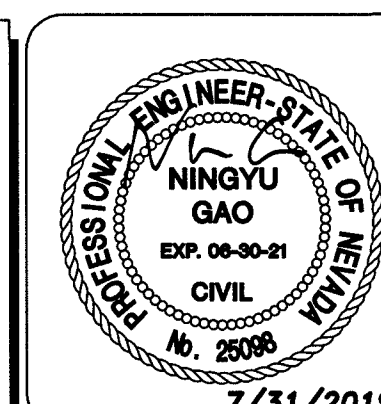
FALSE NORTHING: 200,000M
FALSE EASTING: 100,000M
STANDARD PARALLEL SCALE: 1.0001
(EXACT)

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
BLV01325W6 (RE-OBSERVED DATE
2005-2007)
RIVET AND PLATE IN TOP OF CURB AT SE
CORNER OF CAMPBELL AND PALOMINO.
ELEVATION = 640.727M (NAVD'88)
= 2102.12FT (NAVD'88)



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.



REV.	DESCRIPTION	BY	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT
1800 MILITARY TRAIL, HENDERSON, NV 89011
PHONE: 702-799-5700

CLARK COUNTY SCHOOL DISTRICT
PROPOSED WADEN ELEMENTARY SCHOOL REPLACEMENT
2851 PALOMINO LANE, LAS VEGAS NEVADA 89107
RETAINING WALL DETAILS

DESIGNED BY: N. GAO
DRAWN BY: J. CABRERA
CHECKED BY: L. WANG
VERT.: AS SHOWN
HORIZ.: AS SHOWN
DATE: 6/24/2019
DRAWING NO. 34/34
PROJECT NO. ST100
SHEET NO. 715-216