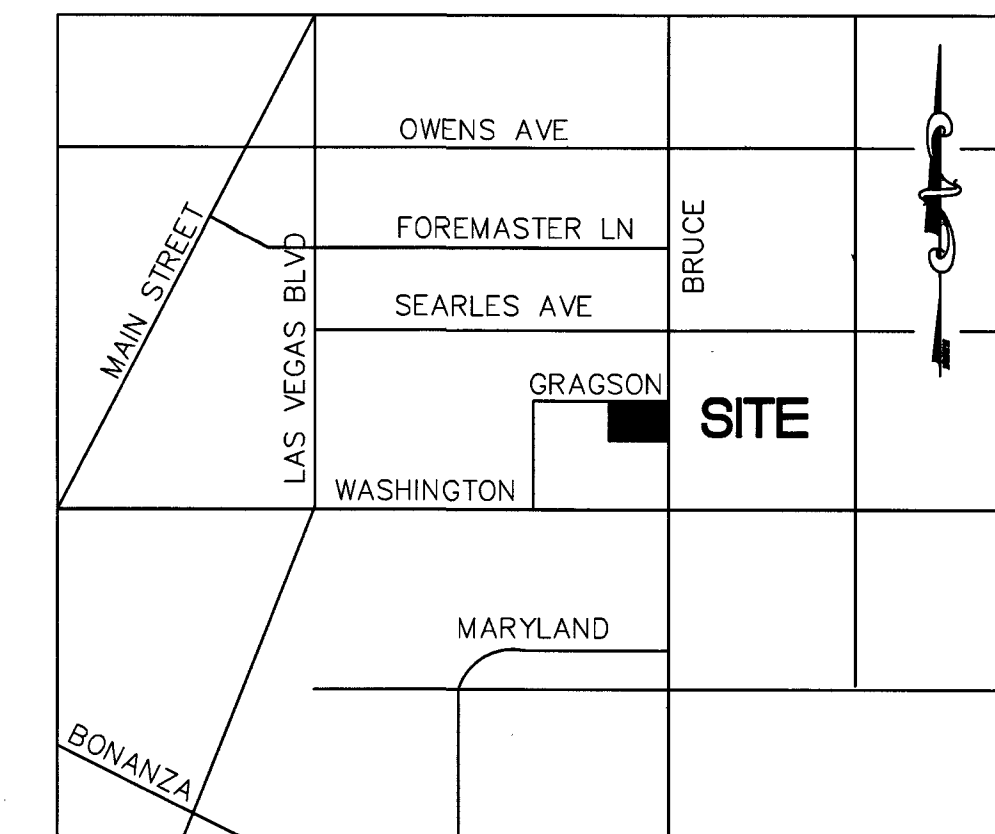


IMPROVEMENT PLANS FOR BLIND CENTER OF NEVADA

APN 139-26-201-019
AREA = 3.02 ACRES
LOT 1 OF PARCEL MAP FILE 120, PAGE 89

OWNER/DEVELOPER SOUTHERN NEVADA SIGHTLESS, INC.

1600 GRAGSON AVENUE
LAS VEGAS, NV 89101
TEL (702) 642-6000

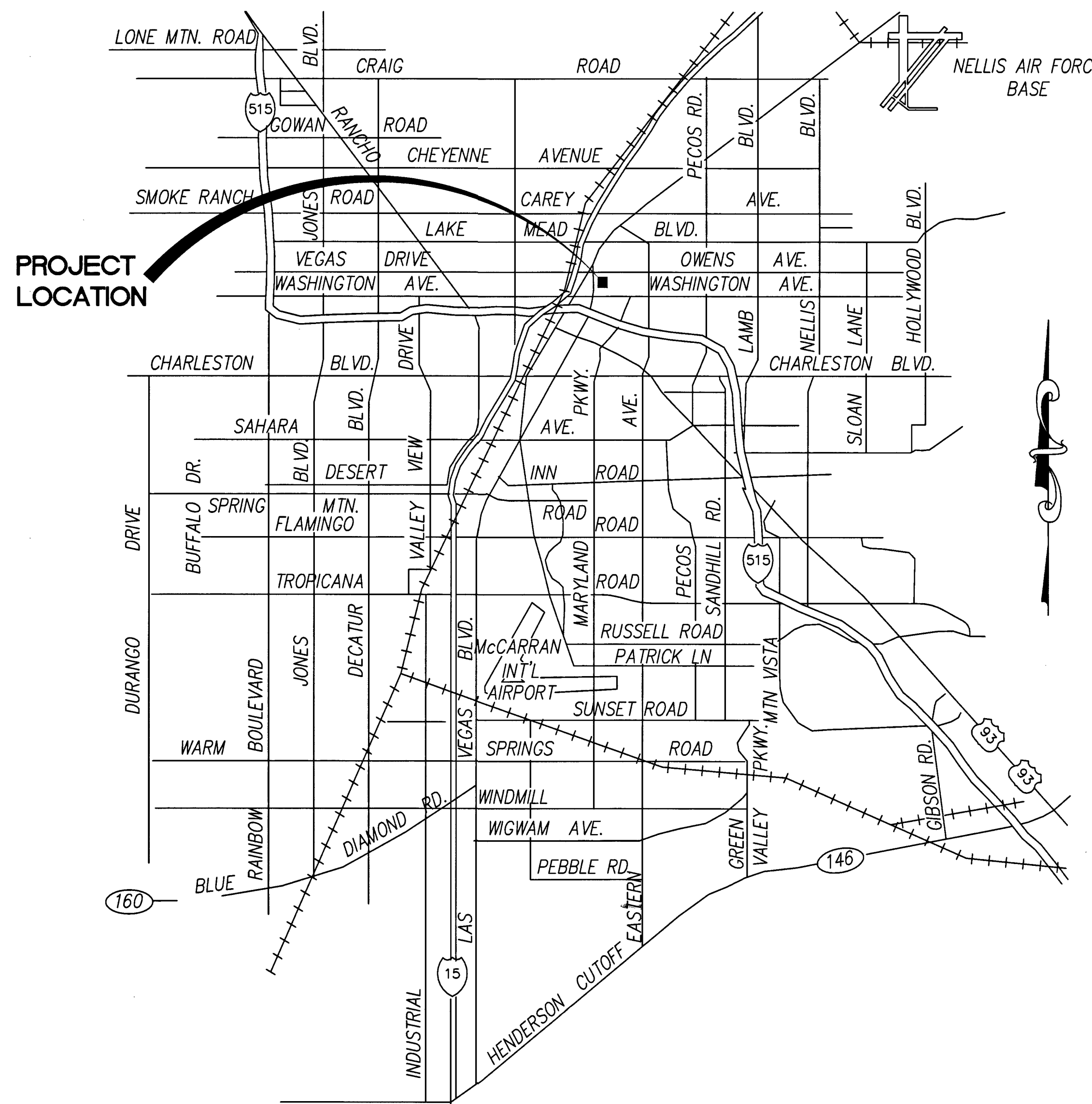


VICINITY MAP
NOT TO SCALE

LOCATED IN THE SOUTHEAST QUARTER (SE ¼) OF THE
NORTHWEST QUARTER (NW ¼) OF SECTION 26, TOWNSHIP 20
SOUTH, RANGE 61 EAST M.D.M., CLARK COUNTY, NEVADA,
RECORDED AS LOT 1 OF PARCEL MAP FILE 120, PAGE 89 IN
CLARK COUNTY RECORDERS OFFICE

LEGEND

	CENTERLINE
	PROPERTY/R/W LINE
	CONCRETE CURB & GUTTER
	CHAIN LINK FENCE
	SCREEN WALL
	RETAINING WALL
	EDGE OF ASPHALT
	BUILDING/SOLAR PANELS
	EXISTING/PROPOSED CONTOURS
	OVERHEAD POWER LINE
	UTILITY POLE
	GUY WIRE ANCHOR
	ELECTRICAL MANHOLE
	ELECTRICAL PULLBOX
	STREET LIGHT PULLBOX
	STREET LIGHT
	NATURAL GAS METER ASSEMBLY
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEAN OUT
	WATER METER
	FIRE HYDRANT
	WATER VALVE
	STORM DRAIN MANHOLE
	SIGN
	AIR CONDITIONING UNIT
	ROOF DRAIN
	EXISTING/PROPOSED SLOPE
	EXISTING/PROPOSED GRADE
	ASPHALT
	ASSESSOR'S PARCEL NUMBER
	CENTERLINE
	FINISHED FLOOR
	FLOW LINE
	FINISHED GRADE
	GRADE BREAK
	EXISTING GRADE
	RIGHT OF WAY
	STATION
	SIDEWALK
	TOP OF CURB



AREA MAP
N.T.S.

APPROVALS

ALLEN PAVELKA, P.E. 9029
CITY ENGINEER
5-17-17
DATE

CHRIS KNIGHT, DIRECTOR - BUILDING AND SAFETY DEPARTMENT
THIS PLAN CONFORMS TO THE REQUIREMENTS OF THE CITY OF LAS VEGAS PLANNING DEPARTMENT
AND THE UNIFIED DEVELOPMENT CODE
5-17-17
DATE

PAMELA KENNEDY
SOUTHWEST GAS
3-2-17
DATE

COX COMMUNICATIONS LAS VEGAS, INC.
3-1-17
DATE

BARBARA GARRISON
NV ENERGY
3-1-17
DATE

NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

DIANE SCHONE
CENTRAL TELEPHONE COMPANY d.b.a., CENTURYLINK
3-1-17
DATE

THE CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

CLV FIRE AND RESCUE (SHEET C1, C2, C5)
3/2/17
DATE

LAS VEGAS VALLEY WATER DISTRICT
ENGINEERING SERVICES MANAGER
PROJECT #124474, SHEETS : C1, C2, C5
LVVWD APPROVED FIRE FLOW IS 2,000 GPM AT 20 PSI RESIDUAL
5/3/17
DATE

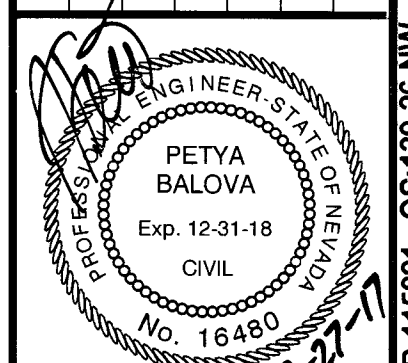
SHEET INDEX

SHEET 1	C1	COVER SHEET
SHEET 2	C2	GENERAL NOTES
SHEET 3	C3	GRADING PLAN
SHEET 4	C4	TYPICAL CROSS SECTIONS AND DETAILS
SHEET 5	C5	UTILITY PLAN
SHEET 6	C6	TRAFFIC AND HORIZONTAL CONTROL PLAN
SHEET 7	C7	DEMOLITION PLAN

BLIND CENTER OF NEVADA FACILITY EXPANSION COVER SHEET

1600 GRAGSON AVENUE
LAS VEGAS, NV 89101

DESIGNED BY :	PB
CHECKED BY :	PB
DATE :	01/17/17
JOB # :	16-080
APN :	139-26-201-019
SECT 26 T 20SR 61E	
SCALE :	HORIZ 1" = N/A



SHEET #
C1
1 OF 7

CLV# 107V6855

63311

BALOVA ENGINEERING
6130 ELTON AVENUE
LAS VEGAS, NV 89107
702-682-1706 TEL

REV. DATE: BY: REVISION:
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN ENGINEER'S SOLE PROPERTY. UNTIL SIGNED BY THE PREVAILING ENTITIES THESE PLANS ARE TO BE CONSIDERED PRELIMINARY AND USED AT THE OWNER'S/DEVELOPER'S/CONTRACTOR'S RISK.

PROJ#: 124474 AGR: 115821 CS: 139-26-NV

CITY OF LAS VEGAS GENERAL NOTES

1. 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 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 CLV PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL AT HIS OWN EXPENSE LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES 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 SATISFACTORILY 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 NINYO & MAO GEOTECHNICAL AND ENVIRONMENTAL SCIENCES CONSULTANTS, PROJECT NO. 30396/1001, DATED NOVEMBER 2, 2015, 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 N.R.S. STATUTE NO. 828.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
 15. UTILITY COMPANY METER 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 NDOT 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 RIBBON, 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. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL 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 LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF ± 0.09 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
 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 ADDITION.
 23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.
- REVISED 02/03/15

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 "O" 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. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") U MAIN.
 7. 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.
 8. 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.
 9. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.
- REVISED 04/15/10

CLV GENERAL NOTES FOR HYDRANTS AND ACCESS

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S 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 105.7.11
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 1412.
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.
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; 507.5.7
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC 507.5.7.1
10. PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; 507.1
11. FIRE HYDRANT SPAACING SHALL BE AS FOLLOWS: IFC C102
RESIDENTIAL - 500 FT UNSPRINKLERED; 600 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 SPAACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC CONTROL SIGNAL, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. [IFC § C102.8]
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 § C102.12]
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. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN. [IFC § C104]
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITY 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 RADIUS. 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 40 FT FLOW LINE TO FLOW LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES. NOT LESS THAN 32 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD, NOT LESS THAN 24 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE LANES 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. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. [IFC § 503.1.1]
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FEET IN HEIGHT, OR EXCEEDING 62,000 SQUARE FEET IN AREA. [IFC § 503.1.2]
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, 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. [IFC § 503.2.5]
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 LANES. 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 SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC 503.6 AND IFC APPENDIX M.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICAADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE LATEST 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 "SAFE 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 BE FABRICATED WITH DIAMOND GRADE VIP CLASS 5 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. 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 AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ASD TRAFFIC CONTROL TECHNICIAN OR IMSA 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, ONCE 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 CITIZENS AREA TRANSIT (C.A.T.) 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 # 828-3442) WHO WILL PROVIDE OFFICERS 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 OTHERWISE 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 04/15/10

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 ALLOWED 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:
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
COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
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 UTILITY NOTES

1. 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 REVISED EDITION; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; AND THE UNIFORM BUILDING CODE.
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 PLANS. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES 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 SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. UTILITY COMPANY METER 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.

BASIS OF BEARINGS

NORTH 89°32'29" EAST BEING CENTERLINE OF OWENS AVENUE AND ALSO THE NORTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 81 EAST, M.D.M. AS SHOWN ON A MAP OF RECORDED IN FILE 60 AT PAGE 51 OF SURVEYS, CLARK COUNTY, NEVADA OFFICIAL RECORDS.


BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL V.2002 POINT "01V0126N6A" BEING A RIVET & PLATE IN TOP OF CURB @ SE CORNER OF BRUCE & TODD ELEVATION: 1985.71 (US SURVEY FEET) 568.00 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL V.2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

LVVWD STANDARD NOTES

LVVWD - PROJECT # 124474
(REVISED 01/09/2017)

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 INSPECTION, 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 SUPERSEDE 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 SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
 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 PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
 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 STANDARDS, 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 ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
15. NO LEAD COMPLIANCE NOTE: TO COMPLY WITH THE SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

<p>Call before you Dig</p> <p>AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY.</p>  <p>or 1-800-227-2600</p>	<p>FAST</p>  <p>1-702-432-5300</p> <p>PREWAY AND ARTERIAL SYSTEM OF TRANSPORTATION</p>	<p>AVOID HITTING OVERHEAD POWERLINES. IT'S COSTLY.</p>  <p>1-702-227-2929</p>
--	--	--

APPROVED FOR CONSTRUCTION

H. P. Dishaori, Esq., D. J. Dem 5/3/17
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
 PROJECT NO. 124474 SHEETS: C1, C2 AND C5
 LVVWD APPROVED FIRE FLOW IS 2,000 GPM AT 20 PSI RESIDUAL
R. J. J. J. 3/2/17
 CLV FIRE AND RESCUE (SHEET C1, C2, C5 AND C6) DATE

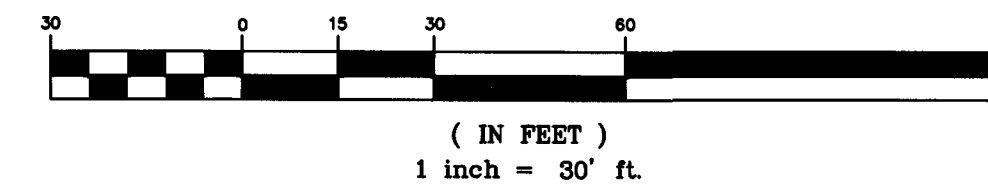
<p>BALOVA ENGINEERING 6130 ELTON AVENUE LAS VEGAS, NV 89107 702-682-1706 TEL</p>	<p>REV. DATE: BY: REVISION:</p>	<p>THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN THE PROPERTY OF BALOVA ENGINEERING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, PRELIMINARY AND USED AT THE OWNER'S/OWNER/ENGINEER/CONTRACTOR'S RISK.</p>
<p>BLIND CENTER OF NEVADA FACILITY EXPANSION GENERAL NOTES 1600 GRAGSON AVENUE LAS VEGAS, NV 89101</p>		
<p>DESIGNED BY: PB</p>	<p>CHECKED BY: PB</p>	<p>DATE: 04/10/17</p>
	<p>JOB #: 16-080</p>	<p>APN: 139-26-201-019</p>
	<p>SECT 26 T205R 61E</p>	<p>SCALE: HORIZ 1" = N/A</p>
		
<p>SHEET #</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">C2</p> <p style="text-align: center;">2 OF 7</p>		
<p>1076655</p> <p>H # 63311</p>		

PROJECT: 124474 AGR-115821 QS-139-26-NV

139-26-201-004
FOUR FOURS, LLC
NOT A PART

PROPERTY OWNER
SOUTHERN NEVADA SIGHTLESS, INC.
1001 N. BRUCE STREET
LAS VEGAS, NV 89101

GRAPHIC SCALE



CONSTRUCTION NOTES:

1. INSTALL 3" AC/9" TYPE II PER SOILS REPORT
2. INSTALL 2.5" AC/6" TYPE II PER SOILS REPORT
3. CONSTRUCT 32 FT LIP TO LIP COMMERCIAL DRIVEWAY PER CCAUSD DWG. 222.1 AND 225
4. CONSTRUCT HC RAMP W/ TRUNCATED DOMES PER CCAUSD 235, CASE I
5. CONSTRUCT 8-FOOT VALLEY GUTTER PER CCAUSD DWG. 228
6. INSTALL A CONCRETE SIDEWALK PER STD. DWG. 234
7. CONSTRUCT A-TYPE CURB PER STD. DWG. 219
8. CONSTRUCT L-TYPE CURB & GUTTER PER STD. DWG. 216
9. NOT USED
10. INSTALL CATCH BASIN PER DETAIL ON SHEET C4
11. EXISTING 7.5" TYPE DM2 DROP INLET PER CLV #327-V270
12. EXISTING BUILDING TO BE DEMOLISHED
13. INSTALL SIDEWALK DRAIN PER CCAUSD 236
14. REMOVE EXISTING CURB CUT DRIVEWAY
15. EXIST. DRY UTILITIES: CABLE, TEL, STREET LIGHT CONDUIT - PROTECT IN PLACE
16. INSTALL 2-FOOT CONCRETE VALLEY GUTTER PER DETAIL ON SHEET C4
17. INSTALL 2" PVC PIPE
18. 2-FOOT WIDE DEPRESSED CURB
19. INSTALL 18" RCP STORM DRAIN @ 0.4% SLOPE (PRIVATE)
20. EXISTING DRAIN PIPES AND MANHOLES TO BE REMOVED
21. EXISTING SIDEWALK DRAIN
22. RIP RAP SWALE, D50=6", THICKNESS 8", W&L AS SHOWN REFER TO LANDSCAPE SWALE DETAIL ON SHEET DET. DRAINAGE AREA LANDSCAPE SWALE; SLOPE AND LENGTH AS SHOWN; DRAUGHT TOLERANT VEGETATION
23. INSTALL TYPE IA MANHOLE PER CCAUSD 406

SOILS REPORT

GEOTECHNICAL EVALUATION, PREPARED BY
NINYO & MOORE, PROJECT NUMBER
303951001, DATED NOVEMBER 2, 2015.

GRADING NOTES

1. ALL ENTRY SIDEWALKS >5% WILL REQUIRE HANDRAILS ON BOTH SIDES OF SIDEWALK IF CONVERTED TO HANDICAP ACCESSIBLE (SEE ARCH. PLANS FOR DETAILS.)
2. ACCESSIBLE ROUTE SHOWN NOT TO EXCEED 5% IN DIRECTION OF TRAVEL AND 2% IN CROSS SLOPE.
3. ALL SWALES SHALL DRAIN AT MIN. 1% SLOPE. CONTRACTOR SHALL ADJUST ALL SCARP SLOPES (MAX 3:1) TO ACCOMMODATE ALL SWALES.

NOTE: ALL ONSITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED TECHNICAL DRAINAGE STUDY FOR THIS SITE ON FILE AT CLV, DS4768A AND UPDATE DS4768C.

PETYA BALOVA, P.E. 16480
DATE: 02-27-17

STA: 13+25.60
OFFSET: 29.98 R
PROPERTY LINE
SSDH #35135
RIM = 1868.44'
INV 36" (N&S)=1856.97'

PARKING LOT DATA	ACREAGE
PROPERTY SIZE	3
BUILDING AREA	0.7
PARKING LOT AREA (outside buildings and landscape areas)	1.7
PARKING LOT AREA TO BE TREATED	1.3 (76%)

BASIS OF BEARING

NORTH 89°32'29" EAST BEING CENTERLINE OF OWENS AVENUE AND ALSO THE NORTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN ON A MAP OF RECORDED IN FILE 60 AT PAGE 51 OF SURVEYS, CLARK COUNTY, NEVADA OFFICIAL RECORDS.

BENCHMARK:

CITY OF LAS VEGAS VERTICAL CONTROL V.2002 POINT "0LV0126N6A" BEING A RIVET & PLATE IN TOP OF CURB @ SE CORNER OF BRUCE & TODD
ELEVATION: 1865.71 (US SURVEY FEET)
568.6706 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL V.2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	23.56	15.00	15.00	90°00'00"
C2	39.27	25.00	25.00	90°00'00"

139-26-201-018
JAMES & BEVERLY RODGERS AND
LODGE POLICE LAS VEGAS #1 LEASE
NOT A PART

EXISTING BUILDING
FF=1880±

139-26-201-013
CHURCH FAITH LIFE FAMILY INC
NOT A PART

STORM WATER MANAGEMENT NOTES

Standard Note No. 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 rights of way of CLV 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.

Standard Note No. 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 Title 24.40 and the Las Vegas Valley Construction Site BMP Guidance Manual.

Standard Note No. 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 or permanently ceased. Some exceptions may apply; refer to the Nevada Stormwater General Permit for Construction Activity NVR100000, Section III.A.5.

Standard Note No. 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 NVR100000, Section III.A.12.

Standard Note No. 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.

FLOOD ZONE DESIGNATION

THE SUBJECT SITE IS LOCATED IN A FLOOD ZONE DESIGNATED "ZONE X", DETERMINED TO BE AN AREA OF 0.2% CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD PER FEMA FIRM NO. 32003C2170F, REVISED NOVEMBER 16, 2011.

WASHINGTON AVENUE

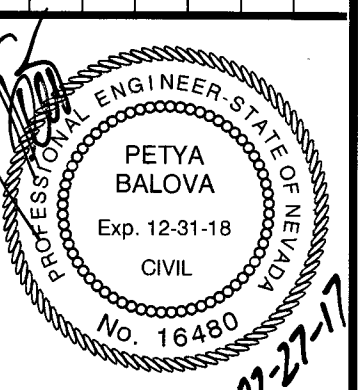
NOTE:
ADD 1800' TO ALL
XX.XX ELEVATIONS

BLIND CENTER OF NEVADA
FACILITY EXPANSION
GRADING PLAN

BALOVA ENGINEERING
6130 ELTON AVENUE
LAS VEGAS, NV 89107
702-682-1706 TEL

1600 GRAGSON AVENUE
LAS VEGAS, NV 89101

DESIGNED BY: PB
CHECKED BY: PB
DATE: 02/14/17
JOB #: 16-080
APN: 139-26-201-019
SECT 26 T 20S R 6 E
SCALE: HORIZ 1" = 30'



SHEET #

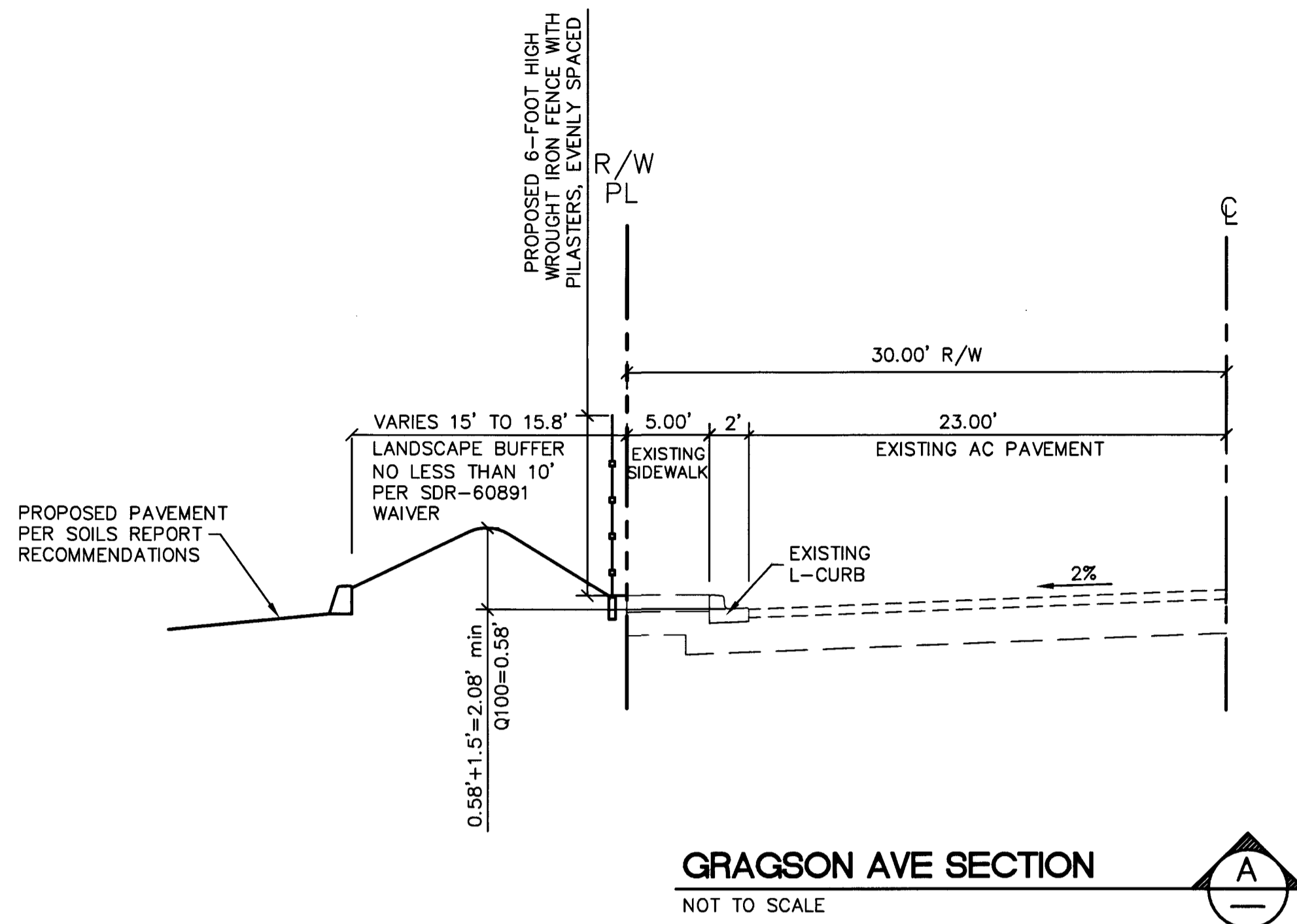
03

3 OF 7

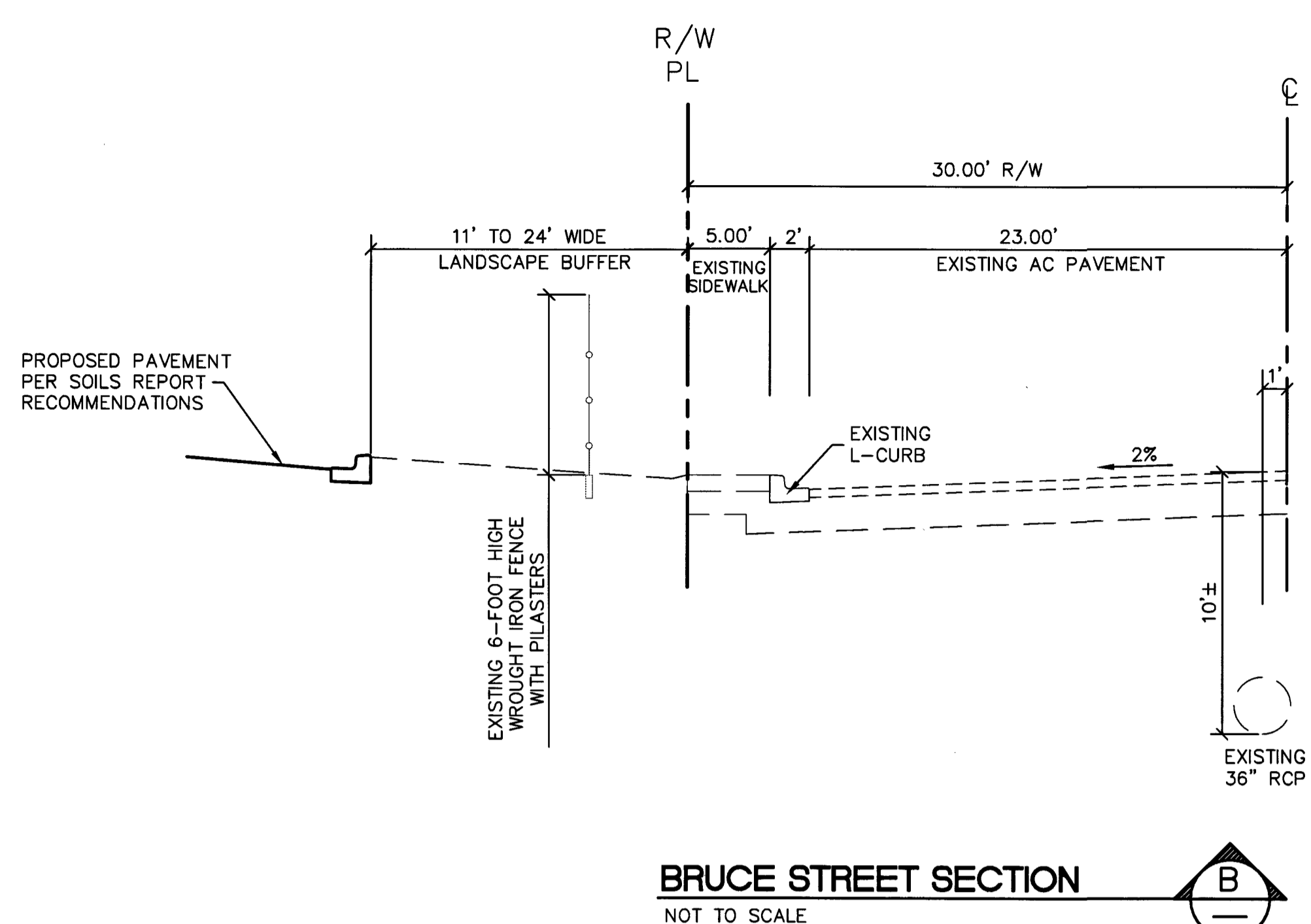
107V6955

H# 63311

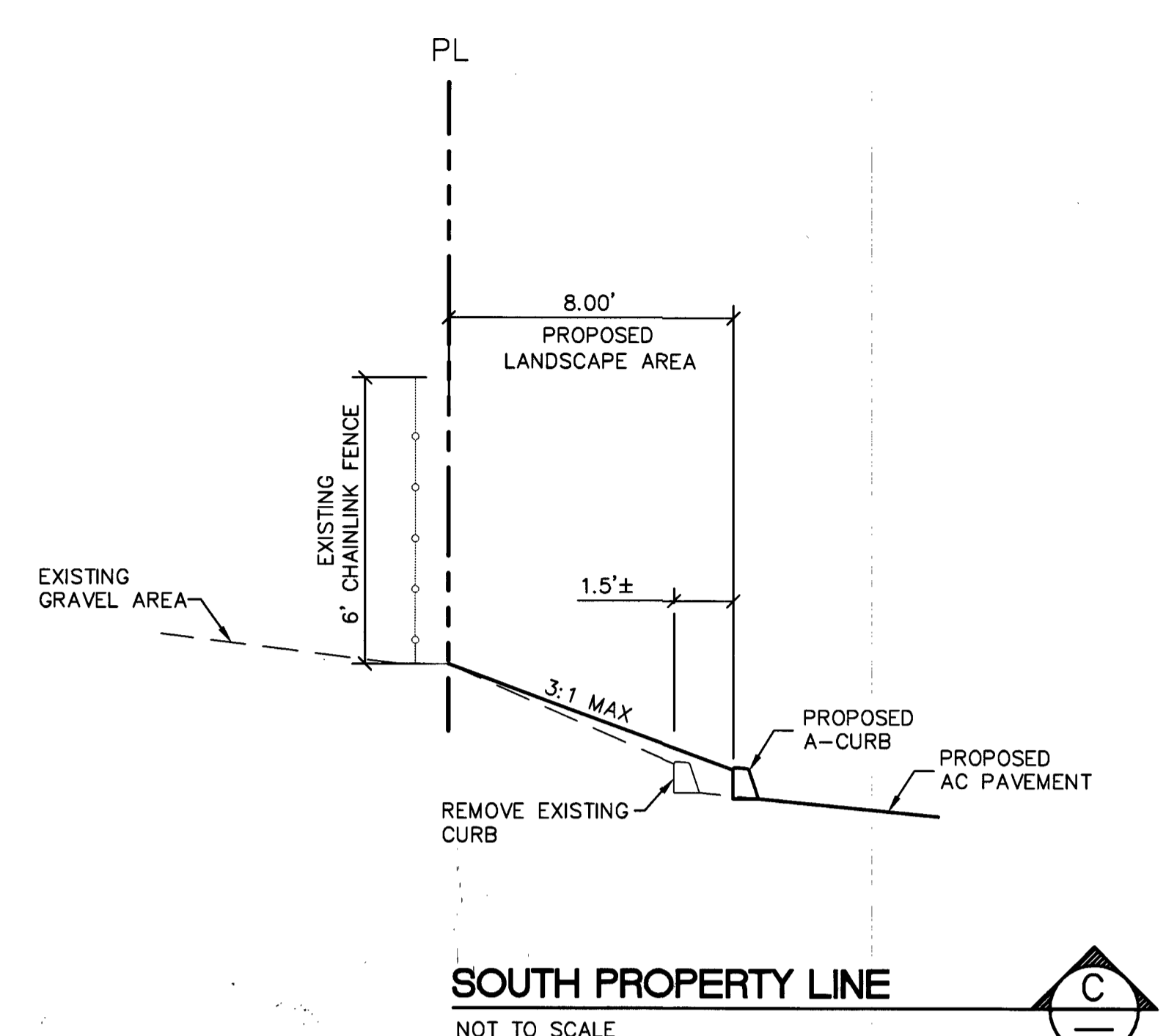
REV: DATE: BY: REVISION:
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN THE PROPERTY OF BALOVA ENGINEERING. NO PART OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BALOVA ENGINEERING.



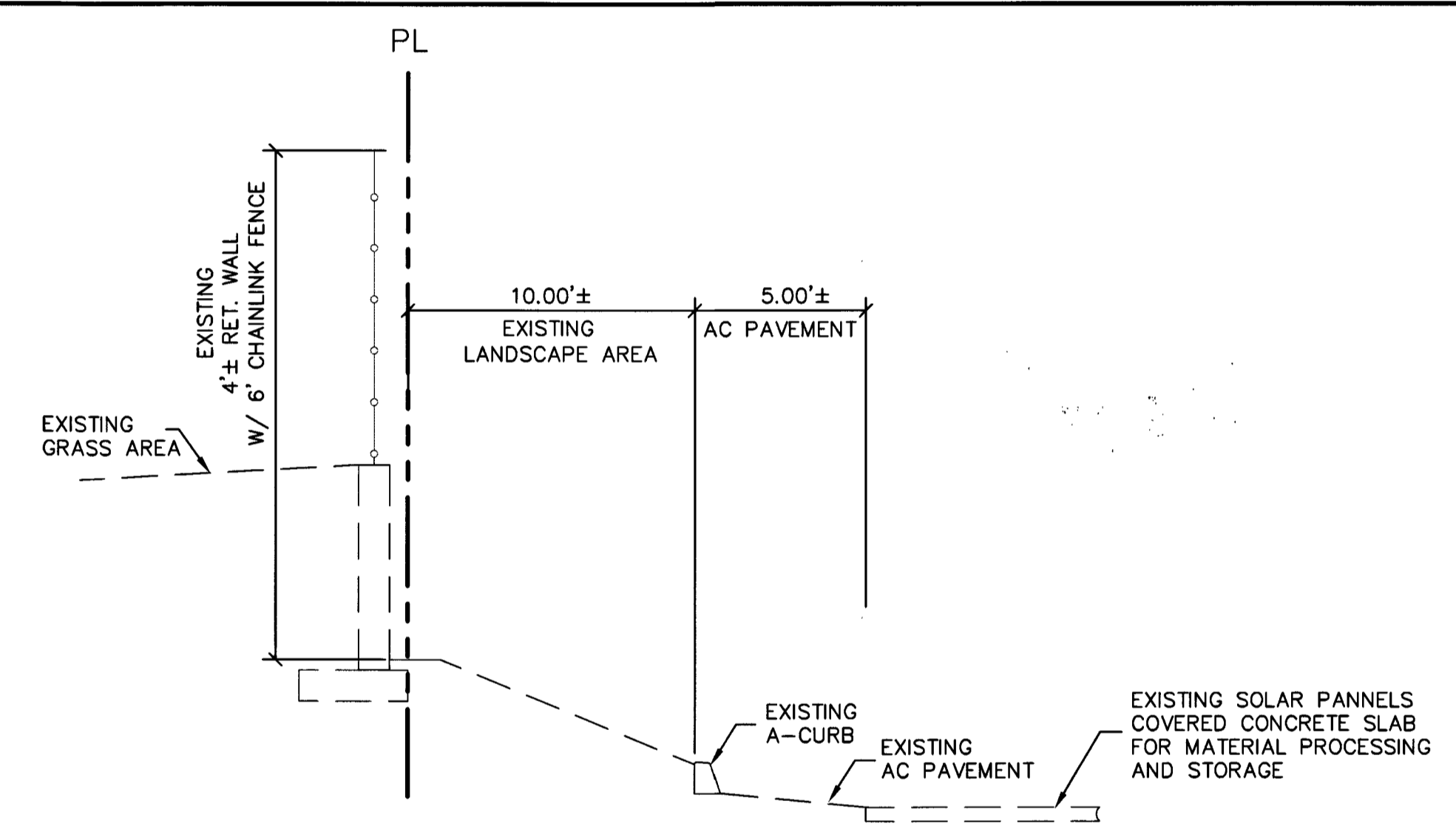
GRAGSON AVE SECTION
NOT TO SCALE



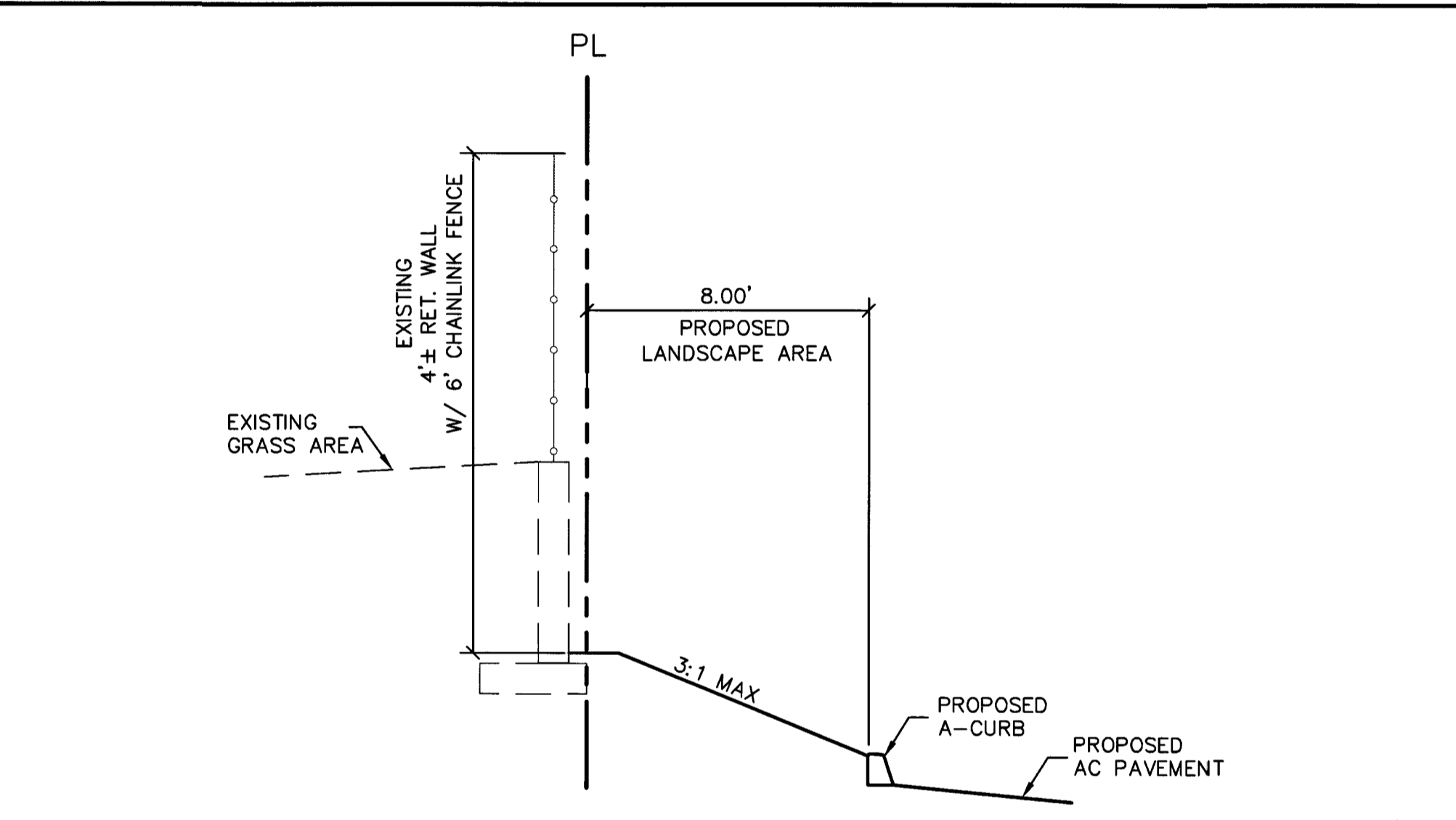
BRUCE STREET SECTION
NOT TO SCALE



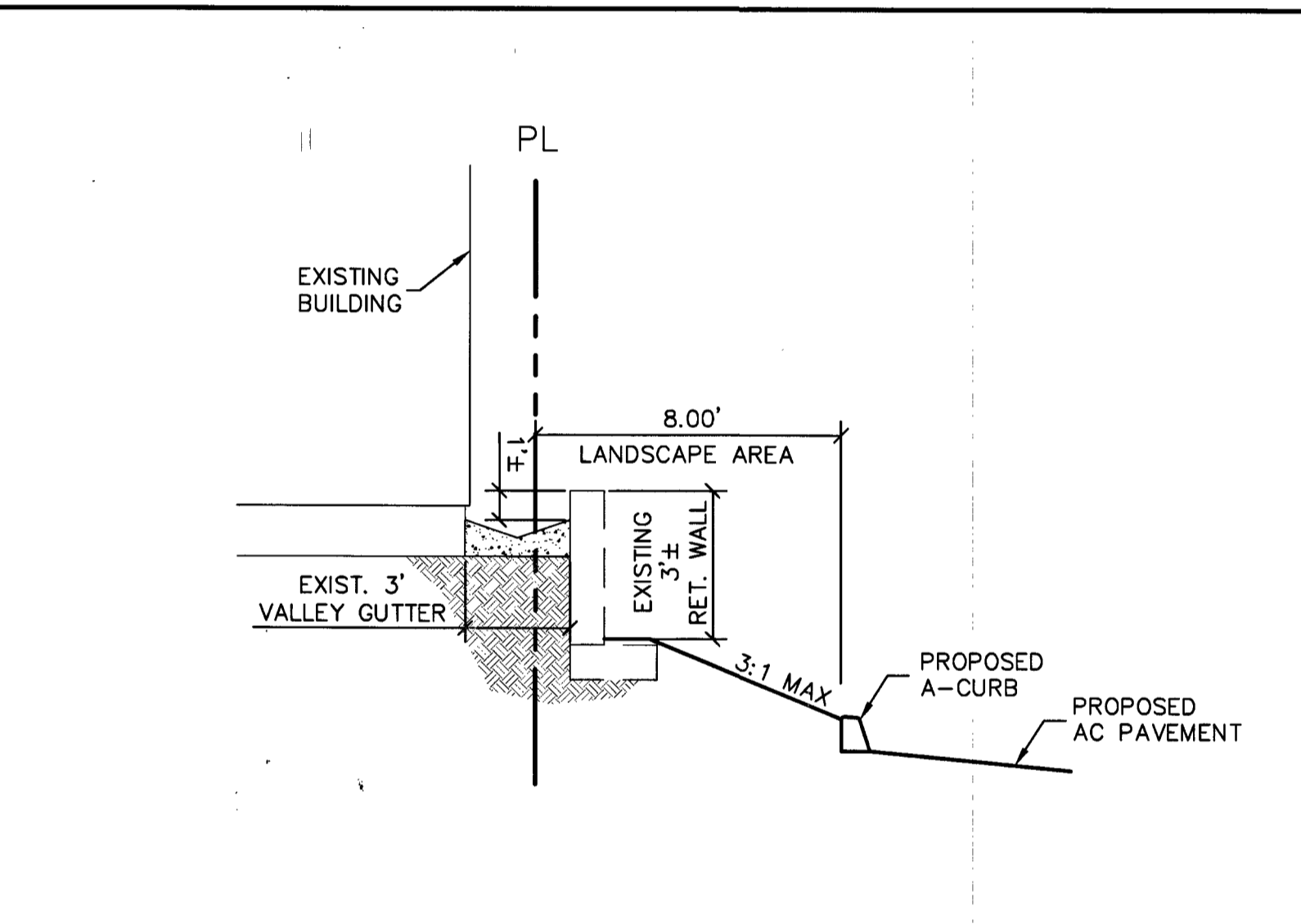
SOUTH PROPERTY LINE
NOT TO SCALE



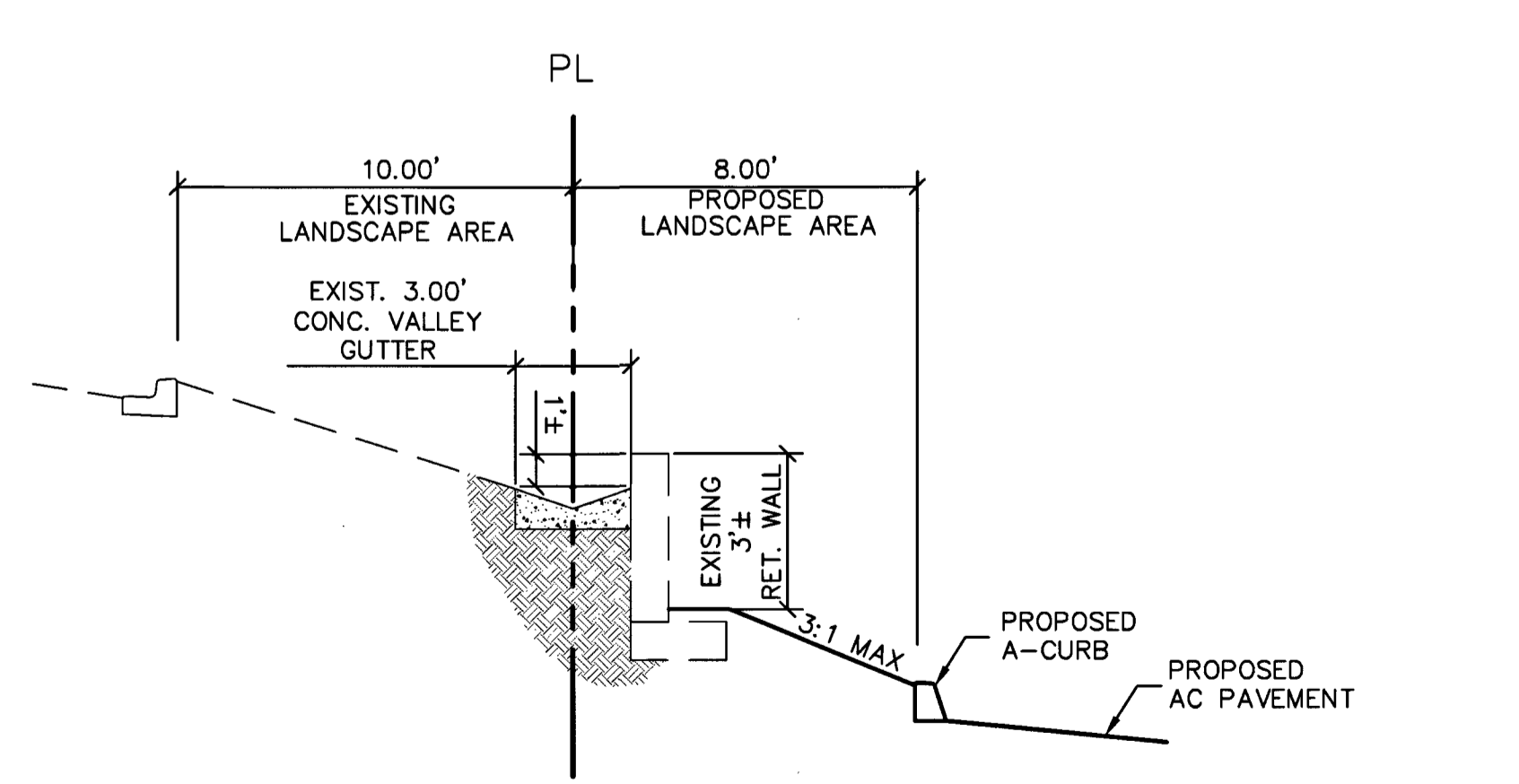
SOUTH PROPERTY LINE
NOT TO SCALE



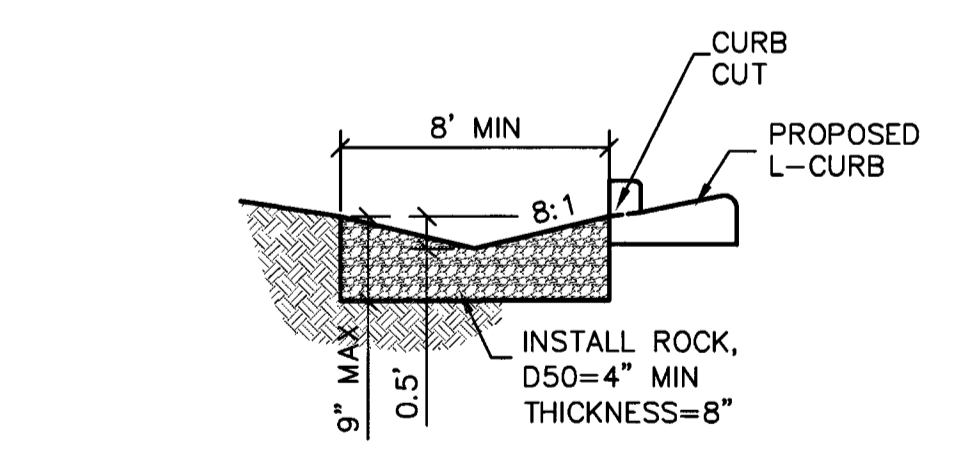
SOUTH PROPERTY LINE
NOT TO SCALE



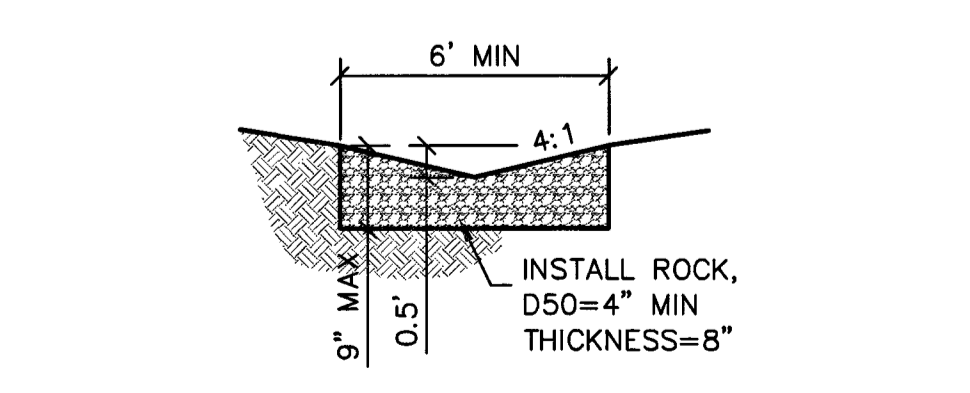
WEST PROPERTY LINE
NOT TO SCALE



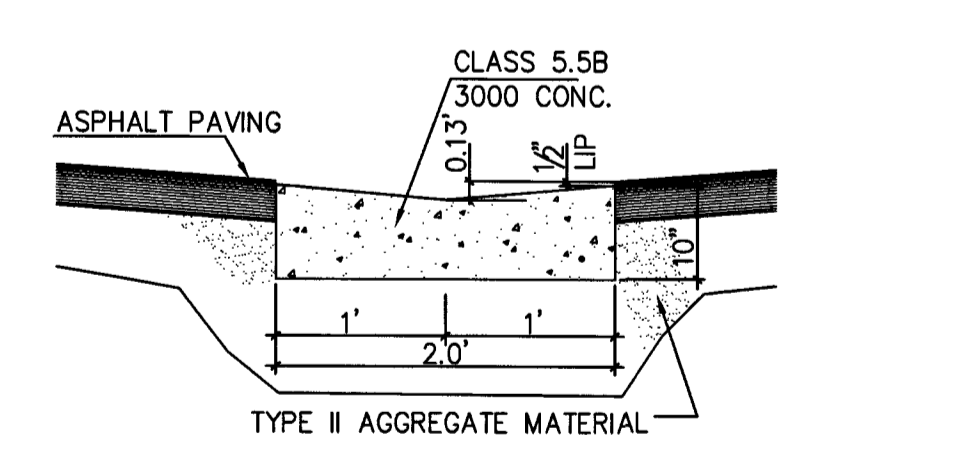
WEST PROPERTY LINE
NOT TO SCALE



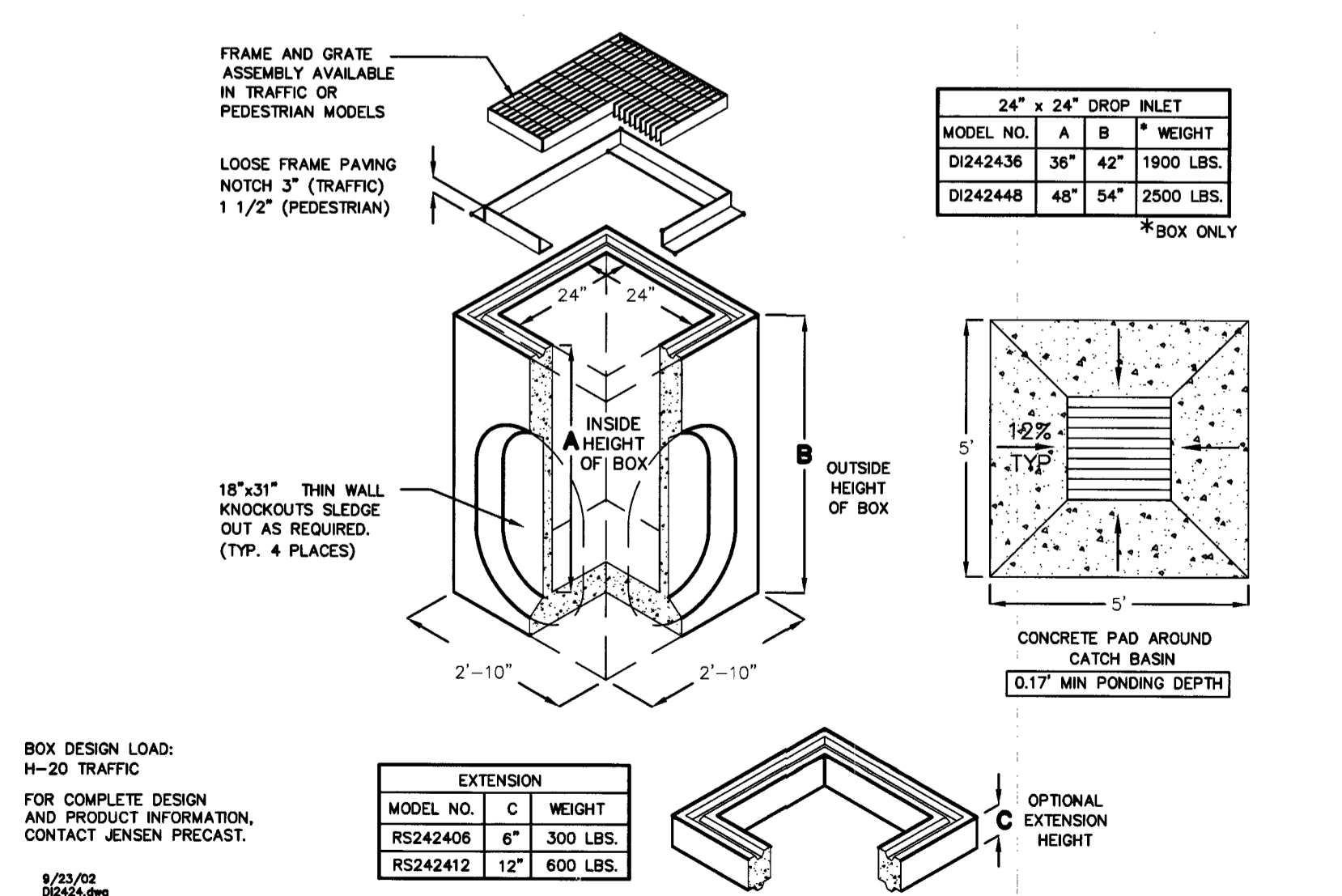
LANDSCAPE SWALE ON GRAGSON
NOT TO SCALE



LANDSCAPE SWALE ON BRUCE
NOT TO SCALE



2' VALLEY GUTTER DETAIL
NOT TO SCALE



CATCH BASIN DETAIL
NOT TO SCALE

BALOVA ENGINEERING
6130 ELTON AVENUE
LAS VEGAS, NV 89107
702-682-1706 TEL

BLIND CENTER OF NEVADA
FACILITY EXPANSION
TYPICAL SECTIONS AND DETAILS
1600 GRAGSON AVENUE
LAS VEGAS, NV 89101

DESIGNED BY: PB
CHECKED BY: PB
DATE: 01/17/17
JOB #: 16-080
APN: 139-26-201-019
SECT 26 T 205R 61E
SCALE: HORIZ 1" = N/A

SHEET #
C4
4 OF 7
101V6955
H# 6331

REVISION:
REV. DATE: BY:
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN ENGINEER'S SOLE PROPERTY. UNTIL SIGNED BY THE PREVAILING ENTITIES THESE PLANS ARE TO BE CONSIDERED PRELIMINARY AND USED AT THE OWNER'S/DEVELOPER'S/CONTRACTOR'S RISK.

Call before you Dig

AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY.



OR 1-800-227-2600



Call before UnderGround

1-702-432-5300

FREeway AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWERLINES. IT'S COSTLY.



1-702-227-2929

SEWER LATERAL DATA

Table with 5 columns: LENGTH, SIZE, MATERIAL, SLOPE, PRIVATE. Rows A1 through A4.

RPDA (1) 8"

THE REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE 56...

UTILITY NOTES

- 1. ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE... 2. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE...

BENCHMARK:

CITY OF LAS VEGAS VERTICAL CONTROL V.2002 POINT "0LV0126N6A" A RIVET & PLATE IN TOP OF CURB @ SE CORNER OF BRUCE & TODD...

UTILITY NOTES AND QUANTITIES

THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO ONE IS TO RELY UPON THEM FOR PAY QUANTITIES

Table with columns for utility type (WATER, SEWER), item description, and quantity. Includes items like tapping sleeves, valves, and pipe installations.

PROPERTY LOCATION

LOCATED IN THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 61 EAST M.D.M., CLARK COUNTY, NEVADA.

PROPERTY OWNER: BLIND CENTER HOLDINGS INC. 1001 N. BRUCE STREET LAS VEGAS, NV 89101

BASIS OF BEARING

NORTH 89°32'29" EAST BEING CENTERLINE OF OWENS AVENUE AND ALSO THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. AS SHOWN ON A MAP OF RECORDED IN FILE 60 AT PAGE 51 OF SURVEYS, CLARK COUNTY, NEVADA OFFICIAL RECORDS.

ABANDONMENT OF EXISTING SERVICE - 2" AND SMALLER

3/4" METER, #997160, ACCOUNT 23100

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING...

SEWER CONTRIBUTION

Table showing average sewer contribution for fixtures: WC (13 x 2.5 = 32.5), LAV (9 x 1 = 9), MOP SINK (3 x 2 = 6), HOSE BIB (4 x 2.5/1 = 5.5), ELECTRIC WATER COOLER (4 x 0.5 = 2), SINK (5 x 2 = 10), URINAL (4 x 4 = 16). TOTAL: 81 FIXTURE UNITS.

81 FU x 0.70 ERU's x 250 gpd = 14,175 gpd = 0.0142 mgd

PEAK SEWER CONTRIBUTION: 14,175 gpd X 3.4 peak factor = 48,195 gpd = 0.0482 mgd

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2000 GPM @ 20 PSI RESIDUAL PRESSURE

Table for fire flow calculations: SQUARE FOOTAGE (35,363 SQ. FT.), AREA SEPARATION FIRE WALLS (41.67 FT), BUILDING HEIGHT (2 FLOORS), TYPE OF CONSTRUCTION (II-B), OCCUPANCY (F1, A3, & B), FULL AUTOMATIC FIRE SPRINKLER SYSTEM (YES (1350 GPM)).

LAS VEGAS FIRE AND RESCUE DATE

RPDA (1) 1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD...

NOTE:

SEPTIC SYSTEM WILL BE ABANDONED PER SECTION 17 OF THE SNHD ISDS REGULATIONS, IF FOUND DURING CONSTRUCTION.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER PROJECT # 124474

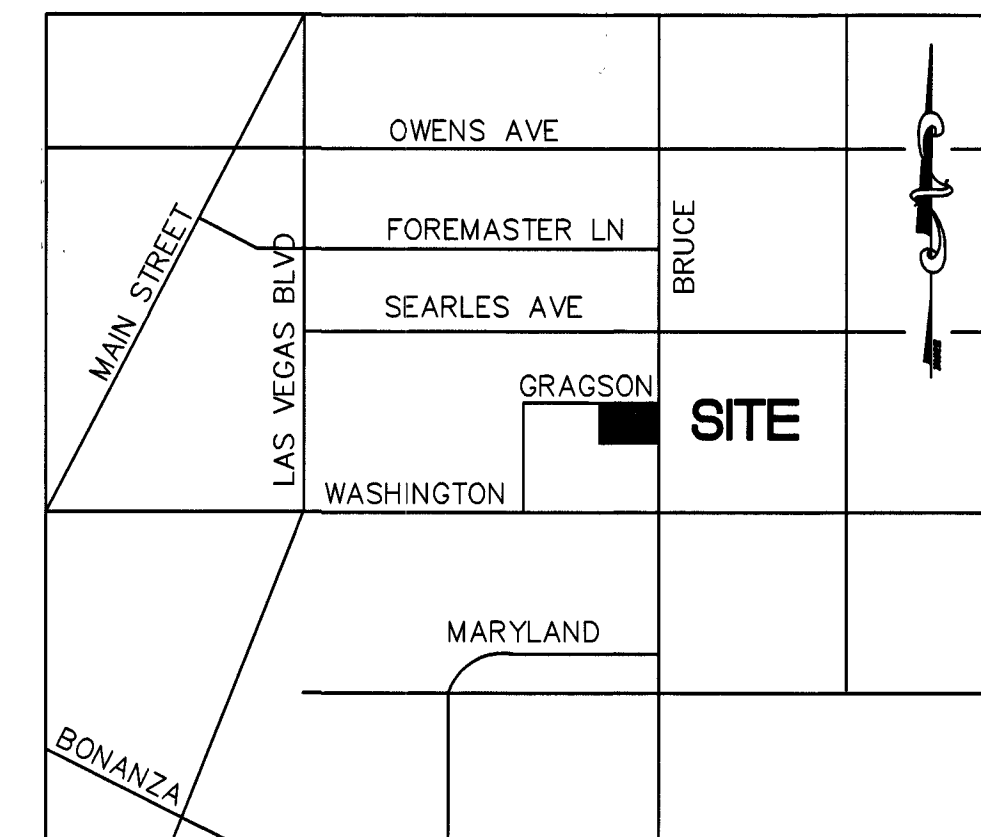
LVVWD APPROVED FIRE FLOW IS 2,000 GPM AT 20 PSI RESIDUAL

GRAPHIC SCALE

(IN FEET) 1 Inch = 30' ft.

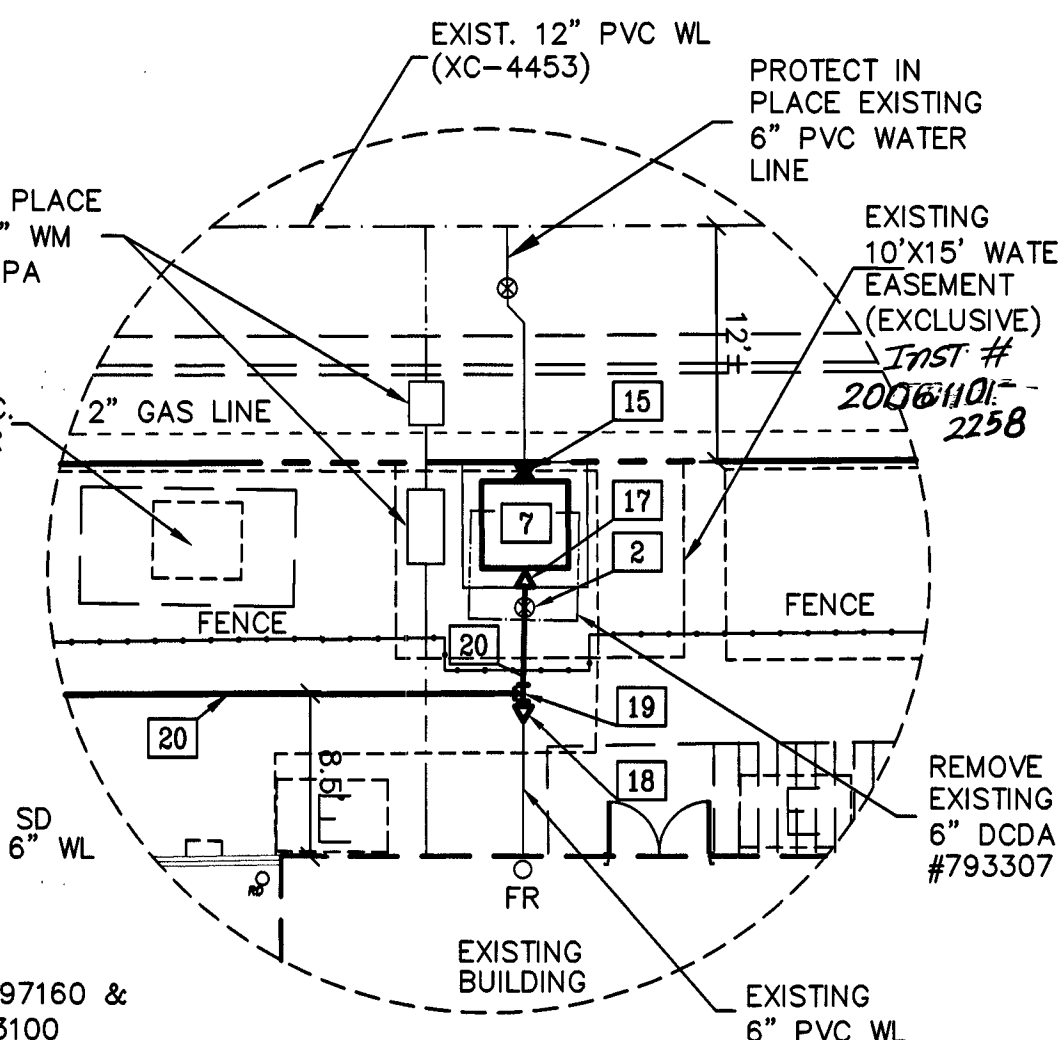


LEGEND: PROPOSED RIP-RAP SWALE



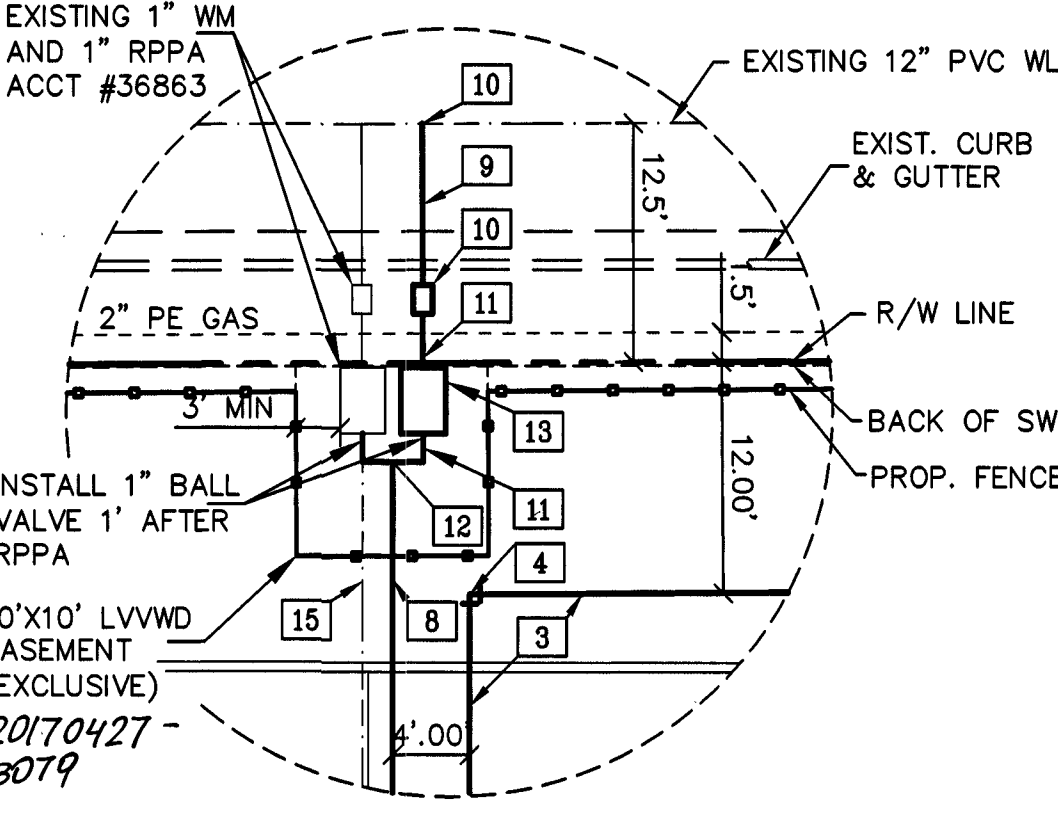
VICINITY MAP

NOT TO SCALE



DETAIL 1

SCALE: 1"=10'



DETAIL 2

SCALE: 1"=10'

WARNING FIRE LINE (NON-POTABLE WATER) ALL EXISTING, RELOCATED OR PROPOSED DCDA/RPDA INSTALLATIONS TO COMPLY WITH FEDERAL SAFE DRINKING WATER ACT, THE FIRE LANE OR ANY OF ITS COMPONENTS, SHALL NOT BE USED FOR POTABLE DRINKING WATER AT ANY TIME.

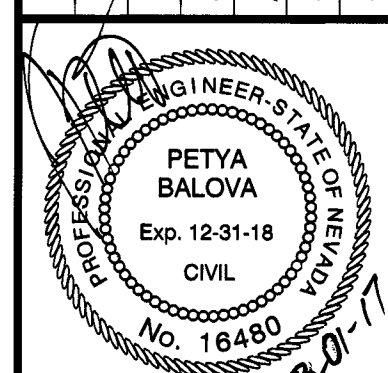
Table with columns for revision number, date, and description.

BALOVA ENGINEERING 6130 ELTON AVENUE LAS VEGAS, NV 89107 702-682-1706 TEL

BLIND CENTER OF NEVADA FACILITY EXPANSION UTILITY PLAN

1001 N. BRUCE STREET LAS VEGAS, NV 89101

Table with columns for design, check, date, job, and scale.



SHEET #

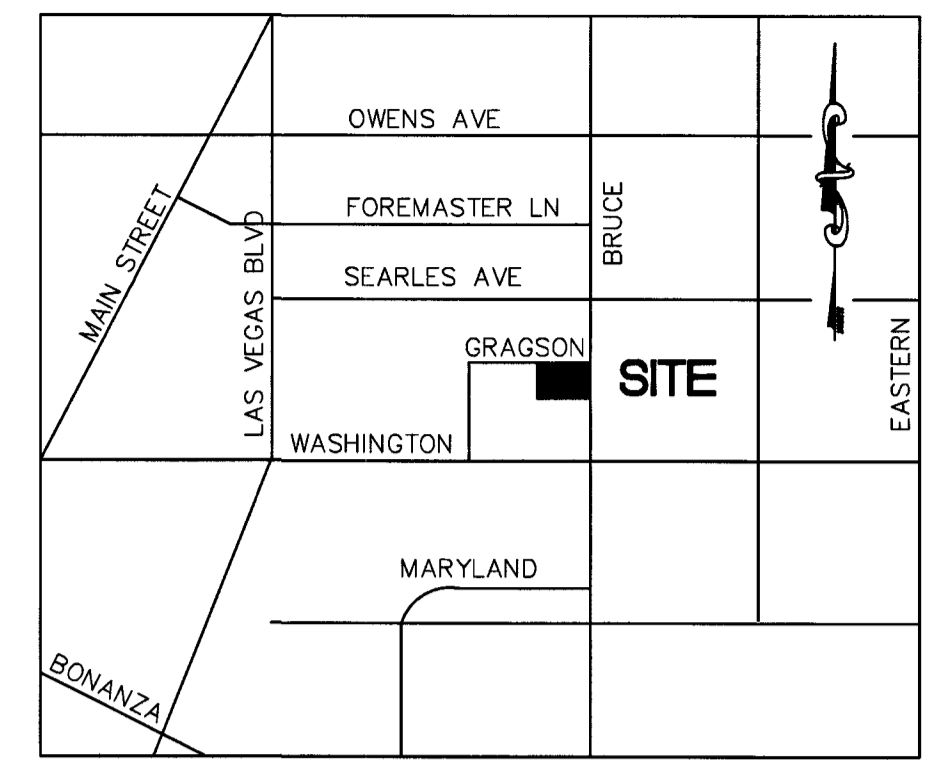
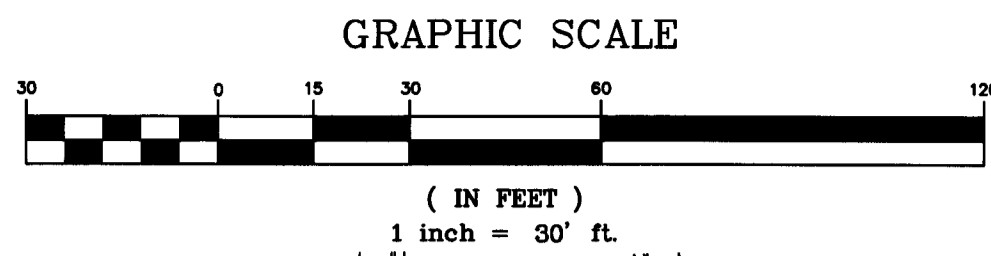
C5

5 OF 7

10706855

H# 63311

PROJECT: 124474 AGR: 115821 QS: 139-26-NW



LOCATED IN THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 61 EAST M.D.M., CLARK COUNTY, NEVADA.

APN 139-26-201-019
131,380 SQ. FT. OR 3.02 ACRES, MORE OR LESS

RECORDED AS PARCEL 1 IN FILE 120 OF PARCEL MAPS, PAGE 89, CLARK COUNTY NEVADA RECORDER'S OFFICE.

PROPERTY OWNER
SOUTHERN NEVADA SIGHTLESS, INC.
1001 N. BRUCE STREET
LAS VEGAS, NV 89101

BASIS OF BEARING
NORTH 89°32'29" EAST BEING CENTERLINE OF OWENS AVENUE AND ALSO THE NORTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN ON A MAP OF RECORDED IN FILE 60 AT PAGE 51 OF SURVEYS, CLARK COUNTY, NEVADA OFFICIAL RECORDS.

APPROVALS

CLV FIRE AND RESCUE

DATE

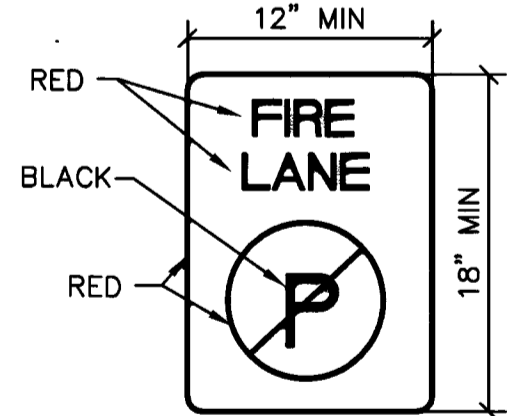
LINE	LENGTH	BEARING
L1	9.48	N00°21'09"W
L2	16.10	N89°53'21"W
L3	18.48	N00°06'39"E
L4	14.99	N90°00'00"E
L5	15.50	S00°00'00"E
L6	235.00	S00°06'39"W
L7	17.98	N89°53'21"W
L8	15.14	S00°00'00"E
L9	211.91	N89°54'58"E
L10	2.79	N00°00'00"E
L11	6.85	N90°00'00"E
L12	8.71	N86°38'00"W
L13	3.43	N00°43'32"W
L14	18.00	N00°00'00"E
L15	6.02	N89°56'48"W
L16	99.72	N89°55'04"E
L17	7.69	N90°00'00"E
L19	6.40	N90°00'00"E
L20	54.04	N90°00'00"E
L21	7.37	S00°21'26"E
L22	16.02	N90°00'00"E
L31	9.16	N45°00'00"E
L32	18.58	N90°00'00"E
L33	23.50	S00°00'00"E
L34	5.10	N90°00'00"W
L35	13.55	N90°00'00"W
L36	22.57	S90°00'00"W
L37	4.43	N90°00'00"W
L38	1.43	N90°00'00"E
L39	8.55	S00°00'00"E
L40	6.00	S00°00'00"E
L41	53.67	S00°00'00"W
L42	46.00	S00°00'00"E
L43	9.00	N90°00'00"W
L44	16.50	N90°00'00"W
L45	2.50	S00°00'00"E
L46	29.33	N00°00'00"E
L47	12.21	S00°00'00"E
L48	12.21	S00°00'00"E
L49	3.47	S45°00'00"W
L50	3.47	S45°00'00"E
L51	21.17	N00°00'00"E
L52	26.83	N90°00'00"W
L53	17.33	N00°00'00"E
L54	127.00	N90°00'00"W
L55	21.00	S00°00'00"E
L56	56.32	N90°00'00"W
L57	101.21	N00°11'23"E
L58	39.28	N89°38'37"E
L59	19.17	N44°25'04"W
L60	7.04	S89°59'11"E

K. G. ... 3/2/17
LAS VEGAS FIRE + RESCUE

TRAFFIC NOTES AND QUANTITIES
THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO ONE IS TO RELY UPON THEM FOR PAY QUANTITIES

#	ITEM	UNIT	QNTY PUBLIC	QNTY PRIVATE
1	INSTALL 30" R1-1 STOP SIGN	EA	—	1
2	INSTALL TYPE A FIRE LANE SIGN PER DETAIL AND SPECIFICATIONS ON THIS SHEET	EA	—	6
3	PAINT CURB OR EDGE OF FIRE LANE RED AND STENCIL TYPE C FIRE LANE SIGN PER SPECIFICATIONS ON THIS SHEET			
4	GATE TO REMAIN OPEN DURING BUSINESS HOURS			
5	SIGHT VISIBILITY ZONE PER CCAUSD 211			
6	TRASH ENCLOSURE PER ARCHITECTURAL PLANS			

TYPE A FIRE LANE SIGN



503.3.1 SIGN SPECIFICATIONS
TYPE A: RED LETTERS ON A REFLECTIVE WHITE BACKGROUND WITH 3/8 INCH RED TRIM AROUND ENTIRE OUTER EDGE OF SIGN.
SIGNS SHALL BE INSTALLED NOT LESS THAN 6 FEET AND NOT MORE THAN 10 FEET FROM THE GROUND LEVEL. POSTS FOR SIGNS SHALL BE METAL AND SECURELY MOUNTED, UNLESS WRITTEN PERMISSION FOR ALTERNATIVES IS OBTAINED PRIOR TO INSTALLATION FROM THE FIRE CODE OFFICIAL.

TYPE C FIRE LANE SIGN

503.3.1 SIGN SPECIFICATIONS:
TYPE C: MINIMUM DIMENSION OF 36 INCHES WIDE BY 4 INCHES HIGH WITH A BRUSH STROKE OF NOT LESS THAN 1/4 INCH. WHITE LETTERS ON RED ENAMEL BACKGROUND. LETTERING ON CURB SHALL BE:
"NO PARKING FIRE LANE"
THE MAXIMUM SEPARATION BETWEEN WORDS SHALL BE 50 FEET, AS MEASURED ALONG THE CENTERLINE OF THE FIRE APPARATUS ACCESS LANE

503.3.1 SIGN SPECIFICATIONS. WHERE REQUIRED BY THE FIRE CODE OFFICIAL SIGNS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
TYPE A: MINIMUM DIMENSION OF 18 INCHES (457MM) HIGH BY 12 INCHES (305 MM) WIDE. RED LETTERS ON A REFLECTIVE WHITE BACKGROUND WITH 3/8 INCH RED TRIM AROUND ENTIRE OUTER EDGE OF SIGN. LETTERING SHALL BE:
"FIRE LANE"
TYPE B: MINIMUM DIMENSION OF 24 INCHES (610 MM) WIDE BY 18 INCHES (457 MM) HIGH. RED LETTERS ON REFLECTIVE WHITE BACKGROUND WITH 3/8 INCH RED TRIM STRIP AROUND THE ENTIRE OUTER EDGE OF SIGN. LETTERING ON SIGN SHALL BE:
"ON STREET PARKING IN MARKED FIRE LANES PROHIBITED"
TYPE C: MINIMUM DIMENSION OF 36 INCHES (914 MM) WIDE BY 4 INCHES (101 MM) HIGH. WHITE LETTERS ON RED ENAMEL BACKGROUND. LETTERING ON CURB SHALL BE:
"NO PARKING FIRE LANE"

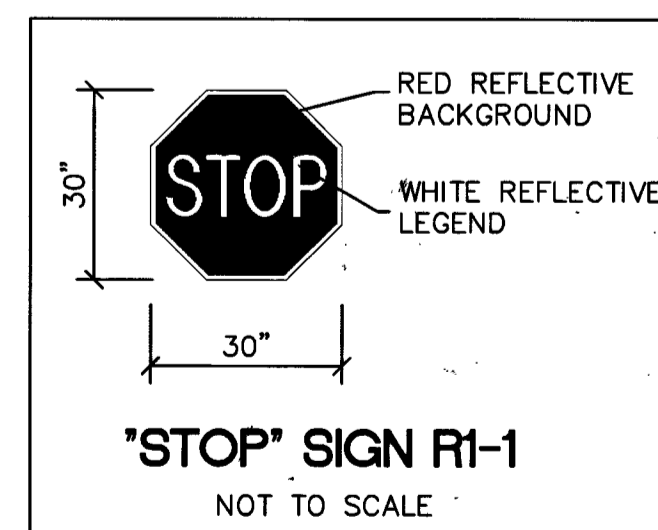
SIGNS SHALL BE INSTALLED NOT LESS THAN 6 FEET (1830 MM) AND NOT MORE THAN 10 FEET (3048 MM) FROM THE GROUND LEVEL. POSTS FOR SIGNS SHALL BE METAL AND SECURELY MOUNTED, UNLESS WRITTEN PERMISSION FOR ALTERNATIVES IS OBTAINED PRIOR TO INSTALLATION FROM THE FIRE CODE OFFICIAL.

503.3 MARKING.
FIRE APPARATUS ACCESS ROADS SHALL BE MARKED WHERE REQUIRED TO PROHIBIT PARKING AND OTHER OBSTRUCTIONS. MARKING SHALL CONSIST OF PAINTING THE CURB, OR THE SIDE OF THE STREET, WHERE NO CURB IS PRESENT, WITH A SUITABLE COAT OF INDUSTRIAL RED ENAMEL ALONG THE ENTIRE LENGTH OF ROAD WHERE PARKING IS PROHIBITED. EACH SECTION OF CURB THAT IS PAINTED RED SHALL ALSO BE MARKED BY SIGNAGE STATING "NO PARKING FIRE LANE" (TYPE A SIGN). SIGNS ARE TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FEET FROM THE SURFACE OF THE ROADWAY. SIGNS SHALL BE LOCATED AT EACH END OF PAINTED CURB, AND ADDITIONALLY IN BETWEEN SO THAT THE MAXIMUM SEPARATION BETWEEN SIGNS IS 100 FEET, AS MEASURED ALONG THE CENTERLINE OF THE FIRE APPARATUS ACCESS ROAD.

IN LIEU OF PROVIDING MULTIPLE SIGNS, WHERE A MINIMUM OF ONE SIGN IS PROVIDED AT EVERY ENTRANCE STATING "ON-STREET PARKING IN MARKED FIRE LANES PROHIBITED" (TYPE B SIGN), FIRE LANES MAY BE MARKED BY PAINTING THE WORDS "NO PARKING FIRE LANE" OVER THE FACE OF THE REPAINTED CURBS (TYPE C SIGN). THE WORDS ON THE CURBS SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 4 INCHES IN HEIGHT WITH A BRUSH STROKE OF NOT LESS THAN 1/4 INCH. THE MAXIMUM SEPARATION BETWEEN WORDS SHALL BE 50 FEET, AS MEASURED ALONG THE CENTERLINE OF THE FIRE APPARATUS ACCESS LANE

NOTES:

- CONTRACTOR SHALL CONTACT CLARK COUNTY TRAFFIC OPERATIONS @ 455-6000 TO SCHEDULE COUNTY TRAFFIC STAFF TO LOCATE UNDERGROUND STREET LIGHTING AND SIGNAL FACILITIES IN THE PROJECT AREA.
A MINIMUM OF 48 HOURS IS REQUIRED PRIOR TO THIS OPERATION.
HOURS OF OPERATION ARE 6:30 AM - 3:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS.
- REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS) UNDER CLARK COUNTY JURISDICTION THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY SATISFACTION. ALL MATERIALS USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS, OR WILL BE AN APPROVED EQUIVALENT.
- NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE.



CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	39.48	25.00	25.21	90°28'48"
C2	3.95	2.50	2.52	90°27'47"
C3	23.44	15.00	14.88	89°31'58"
C4	7.08	4.50	4.51	90°06'39"
C5	3.93	2.50	2.50	90°00'00"
C6	14.92	9.50	9.50	90°00'00"
C7	7.07	4.50	4.50	90°00'00"
C8	2.36	1.50	1.50	90°00'00"
C9	8.90	2.83	INFINITE	180°00'00"
C10	4.71	3.00	2.99	89°53'21"
C11	3.93	2.50	2.50	90°00'00"
C12	26.13	14.50	18.31	103°15'12"
C14	105.01	129.25	55.60	46°33'07"
C15	78.28	92.25	41.67	48°37'19"
C17	16.15	27.50	8.32	33°39'21"
C18	3.91	2.50	2.48	89°38'34"
C19	4.71	3.00	3.00	90°00'00"
C20	5.11	6.50	2.69	45°00'00"
C21	7.46	9.50	3.94	45°00'00"
C22	15.35	15.50	8.37	56°43'43"
C23	2.15	1.00	1.85	123°16'17"
C24	3.93	2.50	2.50	90°00'00"
C25	1.57	1.00	1.00	90°00'00"
C26	7.85	10.00	4.14	45°00'00"
C27	5.11	6.50	2.69	45°00'00"

DESIGNED BY: PB
CHECKED BY: PB
DATE: 01/17/17
JOB #: 16-080
APN: 139-26-201-019
SECT 26 T 20S R 61E
SCALE: HORIZ 1" = 30'

BLIND CENTER OF NEVADA
FACILITY EXPANSION
HORIZONTAL CONTROL PLAN
1600 GRAGSON AVENUE
LAS VEGAS, NV 89101

BALOVA ENGINEERING
6130 ELTON AVENUE
LAS VEGAS, NV 89107
702-682-1706 TEL

REV: DATE: BY: REVISION:
1
2
3
4
5
6

SHEET #
C6
6 OF 7

10706855
4463311

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN THE ENGINEER'S SOLE PROPERTY. UNLESS OTHERWISE NOTED, THESE PLANS ARE TO BE CONSIDERED PRELIMINARY AND USED AT THE OWNER'S RISK/CONTRACTOR'S RISK.

139-26-201-004
FOUR FOURS, LLC
NOT A PART

139-26-201-005
SOUTHERN NV HOUSING AUTHORITY
NOT A PART

GRAGSON AVE

11+00
(PUBLIC RIGHT OF WAY)
(PER O.R. 000035:0027656, 19960301:00945 &
000035:0027657)

EXISTING BUILDING
FF=1878.70

139-26-201-018
JAMES & BEVERLY RODGERS AND
LODGE POLICE LAS VEGAS #1 LEASE
NOT A PART

EXISTING BUILDING
FF=1880±

139-26-201-013
CHURCH FAITH LIFE FAMILY INC
NOT A PART

EXISTING BUILDING
FF=1879.25

EXISTING BUILDING
FF=1882' ±

ABANDON EXISTING
SEPTIC SYSTEM PER
SECTION 17 OF SNHD
REGULATIONS GOVERNING
THE ISDS, REVISED
FEBRUARY 26, 2009

EXISTING 1000 GAL
SEPTIC TANK AND 336
SF LEACH FIELD

EXISTING BUILDING
FF=1874.8'
TO BE DEMOLISHED

EXISTING BUILDING
FF=1869.0'
TO BE DEMOLISHED

EXISTING BUILDING
2,625 SQ. FT. TOTAL
FF=1869.98'

EXISTING TWO-STORY
BUILDING
16,800 SQ. FT. TOTAL
SPRINKLERED
FF=1869.0'

SOLAR PANELS
COVERED
AREA

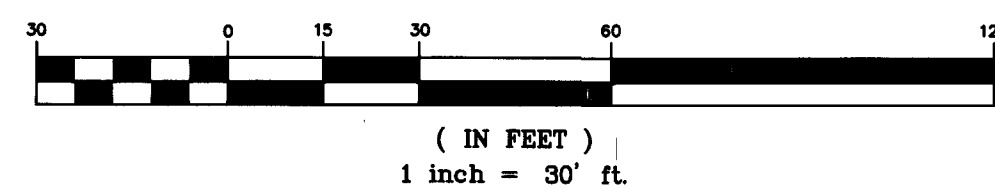
EXISTING 4' TO 5' RET WALL
WITH 6' CLF

EXISTING 3' RET WALL
WITH 6' CLF

EXISTING 6'
CHAINLINK FENCE

139-26-201-014
LODGE FRATERNAL ORDER OF EAGLES
NOT A PART

GRAPHIC SCALE



WASHINGTON AVENUE

PROPERTY OWNER
SOUTHERN NEVADA SIGHTLESS, INC.
1001 N. BRUCE STREET
LAS VEGAS, NV 89101

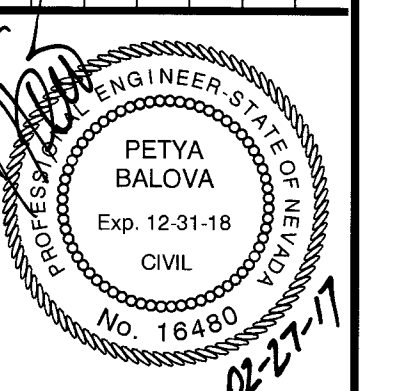
LEGEND

	CENTERLINE
	SUBJECT PROPERTY
	RIGHT-OF-WAY LINE
	SECTION LINE
	ONE QUARTER SECTION LINE
	1/16, 1/32 AND 1/64 SECTION LINE
	ADJOINING PROPERTY
	EASEMENT LINE
	CONCRETE HATCH
	CONCRETE SIDEWALK
	CONCRETE CURB & GUTTER
	PARKING STRIPING
	CHAIN LINK FENCE
	SCREEN WALL
	RETAINING WALL
	EDGE OF ASPHALT
	OVERHEAD ELECTRICAL
	GAS LINE
	HIGH PRESSURE GAS LINE
	BUILDING
	UTILITY POLE
	GUY WIRE ANCHOR
	ELECTRICAL MANHOLE
	ELECTRICAL PULLBOX
	STREET LIGHT PULLBOX
	STREET LIGHT
	NATURAL GAS METER ASSEMBLY
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEAN OUT
	WATER METER
	FIRE HYDRANT
	WATER VALVE
	STORM DRAIN MANHOLE
	SIGN
	GATE
	FLAG POLE
	TREES
	HANDICAP PARKING
	AIR CONDITIONING UNIT
	ROOF DRAIN
	INTERCEPTOR MANHOLE

BLIND CENTER OF NEVADA
FACILITY EXPANSION
DEMOLITION PLAN

1600 GRAGSON AVENUE
LAS VEGAS, NV 89101

DESIGNED BY: PB
CHECKED BY: PB
DATE: 02/14/17
JOB #: 16-080
APN: 139-26-201-019
SECT 26 T.205R 61E
SCALE: HORIZ 1" = 30'



SHEET #
C7
7 OF 7
101V6855
H# 0331

REV. DATE: BY: REVISION:
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN ENGINEER'S SOLE PROPERTY. UNTIL SIGNED BY THE PREVAILING ENTITIES THESE PLANS ARE TO BE CONSIDERED PRELIMINARY AND USED AT THE OWNER'S RISK/CONTRACTOR'S RISK.