

CITY OF LAS VEGAS STREETLIGHT 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, AND THE 'UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA', LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE, WHEN 'EMPTY' CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" FOR FINAL FINISHCTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEF0 PRIOR TO ANY PRE-FINAL INSPECTION. THE ABSULT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INSTALLED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.
11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, MAINTENANCE, OPERATIONAL AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEF0) AT (702) 229-6331.

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 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:

A. PAVEMENT AREA SUBGRADE B. ENGINEERED FILL	HORIZONTAL 0.14% 0.5+%	VERTICAL +0.0 TO -0.1' +0.1 TO -0.1'	COMPACTION SEE SOIL REPORT SEE SOIL REPORT
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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 ANY 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 THE PROJECT 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

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 5" OR 6" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVNYL (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 LVVMD 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 SHALL 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 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 EDITION, 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 CONTRACTING 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 RECORDS, INCLUDING 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 BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES 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 EXISTING UTILITIES SO AS TO AVOID DAMAGE TO 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 FLOW 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. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION, LOCATING RIBBON, ETC. THE CONTRACTOR SHALL PROVIDE WRITING 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 SAWNOT 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. 625-380, CITY OF LAS VEGAS TITLE 18B, 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. WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF APPROVING 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 UPS, 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 MDOOT 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 APPROVED PRIOR TO ACCEPTANCE OF FACTORY VIDEO INSPECTION, THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITIONS STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE SEWER 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 EXITS THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION OF THE SEWER MAIN AND STORM DRAIN MAIN SHALL BE BASED ON THE 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 CERTAINITIES OF +/- .09 METERS (0.3 FEET) HORIZONTAL AND VERTICALLY. A CERTIFIED ELECTRONIC COMMA SEPARATED FILE FOR THE "STANDARD DRAIN AND STORM DRAIN COORDINATES" SHALL ALSO COMPLY 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 EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 02/03/15

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 WORK IS UNDERWAY. BEFORE THE FIRST CITY WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCRoACHED 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 PAYMENT MARKING, SUCH PAYMENT 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 PIV CLASS 8 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 ROADWAY) 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 CERTAIN AT LEAST ONE TRAFFIC CONTROL TECHNICIAN OR IMA WORK ZONE TRAFFIC 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 CITYS 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 PROJECTS 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. ANY CHANGES OR 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

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT # 125853

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 THE 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 OFF-SITE 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 OR 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 FORM 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 U.D.A.C.S. 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.

SOUTHERN 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 ELECTRIC.
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 CALL 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 STANBY
WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS
LINES 48 HOURS PRIOR TO CONSTRUCTION.**

QUANTITIES		
DESCRIPTION	PUBLIC QUANTITY	PRIVATE QUANTITY
ASPHALTIC CONCRETE PAVING	523 SY	93699.5 SY
"A" TYPE CURB	LF	1012.1 LF
"L" TYPE CURB	20 LF	1121.55 LF
CONCRETE VALLEY GUTTER	SF	930 SF
CONCRETE SIDEWALK	SF	7829 SF
6" SEWER	LF	101 LF
2" WATER MAIN	LF	17 LF
2" COPPER WATER	84 LF	LF
3" WATER MAIN	LF	328 LF
6" WATER MAIN	LF	LF
8" WATER MAIN	46 LF	153 LF
8" CL200 WATER MAIN	LF	221 LF
6" CL200 WATER MAIN	LF	117 LF
FIRE HYDRANT ASSEMBLY	EA	1 EA
2" WATER METER	2 EA	EA
2" RPPA	2 EA	EA
1" RPPA (1)8", (1)4"	2 EA	EA
HANDICAP RAMP	2 EA	EA

STORMWATER MANAGEMENT NOTES:

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, AND OTHER POTENTIAL POLLUTANTS THAT MAY BE RELEASED OR DISCHARGED OR ACCUMULATED IN THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY 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 TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND 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 OR PERMANENTLY 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 A 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, WHENEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

DEMO QUANTITIES		
DESCRIPTION	PUBLIC QUANTITY	PRIVATE QUANTITY
REMOVE AC PAVEMENT	70 SY	10498 SY
REMOVE FENCE		671 LF
"1" CURB, GUTTER, SIDEWALK	16 LF	



NEVADA STATE FIRE MARSHAL
APPROVED

APR 1 1988

A.P.N.:
138-13-402-001

BASIS OF BEARINGS:
SEE COVER SHEET

BENCHMARK:
BENCHMARK NO SLV001356 CITY OF LAS VEGAS BENCHMARK
RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARY COURT ELEVATION = 2230.44 FEET /
679.8486 METERS (NAVD 88 DATUM)

NOTE:
LOOKSHA ENGINEERING ASSURES NO RESPONSIBILITY FOR
EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES
SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE
INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO
FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES
INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY
SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND
IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF
CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE
CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S
REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT



Call Before You Overhead

1-702-277-9929



Call before you dig

Call before you dig
Underground

Call before you dig

Avoid cutting underground utility lines. It's costly.



1-702-432-5300

1-800-277-2626

[illegible]

DEVIATIONS FROM STANDARDS	
NONE.	

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT No. 125853 FIRST APPROVED DATE: 5/1/18

SAFETY ALERT

Call Before You Overhead

1-702-727-2929

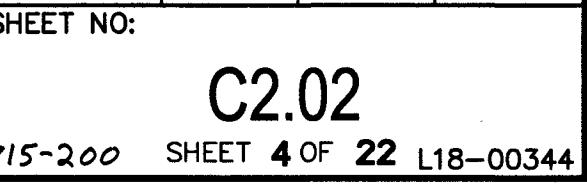
Call before you dig!
 Avoid cutting underground utility lines. It's costly.

Call
811

1-702-432-5300

Call before you UnderGround

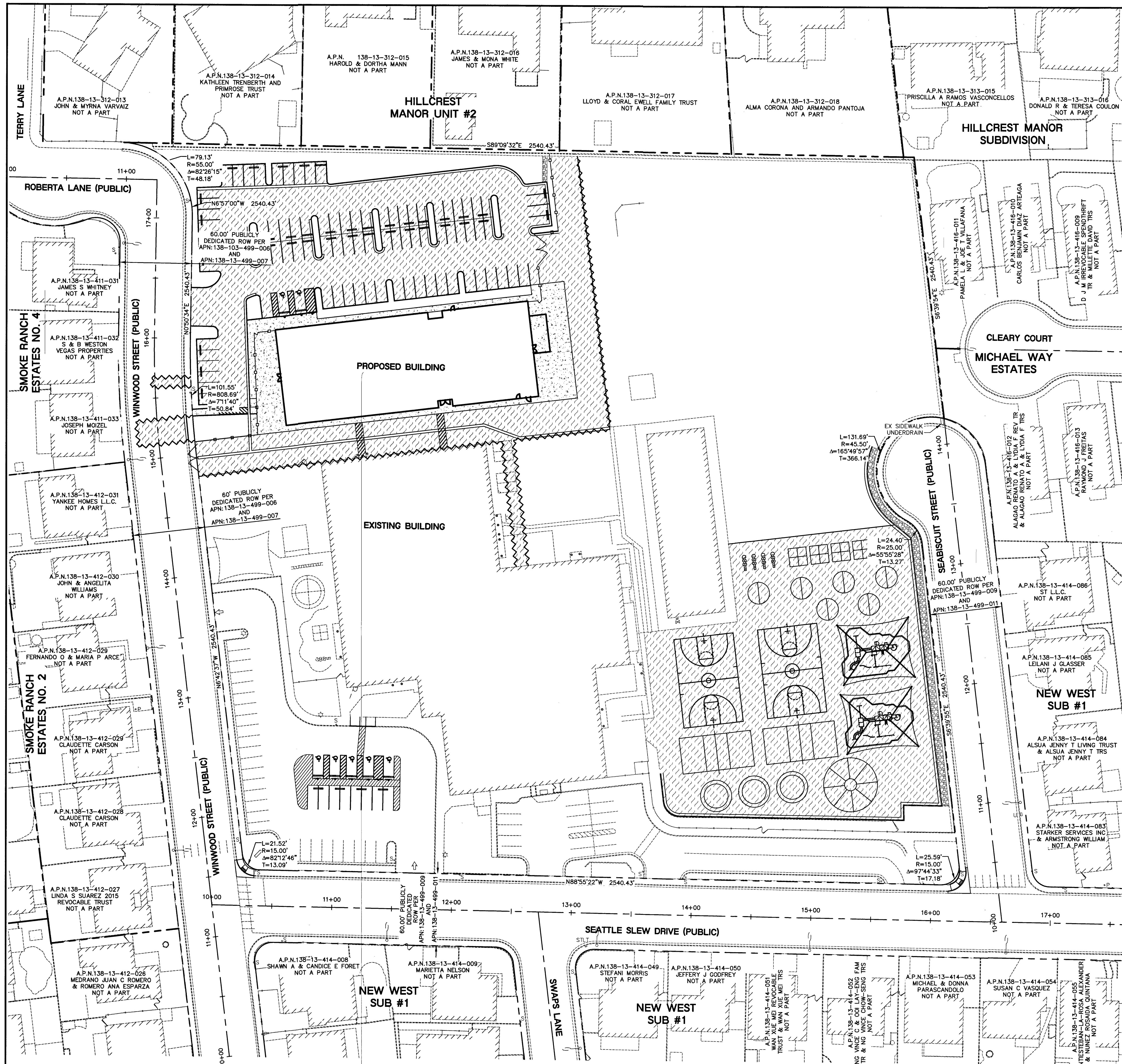
1-800-277-2900

[illegible]

	
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BENCHMARK:
BENCHMARK NO 5LV00T355 CITY OF LAS VEGAS BENCHMARK
RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET /
579.8486 METERS (NAVD 88 DATUM)

LEGEND		PLAN VIEW															ELEVATION		SECTION		DETAILS		NOTES	
CL OR SURVEY LINE	_____	EASEMENT LINE	_____	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
PROPERTY LINE	_____	SAWCUT LINE	~~~~~	EXISTING:	---(2210)---	=====	=====	=====	=====	=====	=====	=====	(12.34) BC	①	⑤	⑤ = SANITARY SEWER ⑥ = STORM DRAIN ⑦ = ELECTRICAL ⑧ = TELEPHONE	①	②	③	④	⑤	(BWV)	①	②
ROW LINE	-----	SCARP LINE	▶-----	PROPOSED:	---(2122)---	=====	=====	=====	=====	=====	=====	=====	12.34 BC	②	⑥		④	⑤	⑥	⑦	⑧	(BWV)	③	④

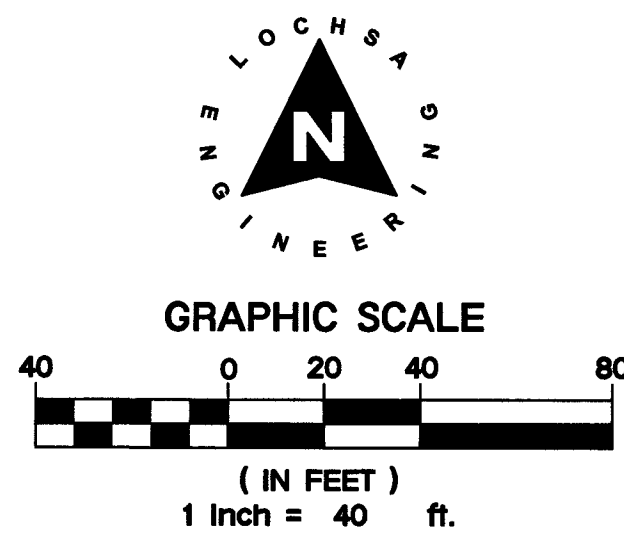


CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)								(12.34) BC			⑤ = SANITARY SEWER ⑥ = STORM DRAIN ⑦ = ELECTRICAL ⑧ = TELEPHONE						BWV		
ROW LINE	SCARP LINE	PROPOSED:	(2122)								(12.34) BC									BWV		

SHEILA AVE.
JONES BLVD.
MADRE MESA DR.
ALFRED DR.
SMOKE RANCH RD.
TERRY LN.
WINWOOD ST.
SEATTLE SLEW DR.
MICHAEL WAY

PROJECT SITE

VICINITY MAP
NOT TO SCALE



A.P.N.:
138-13-402-001

BASIS OF BEARINGS:
SE corner of

BENCHMARK:
BENCHMARK NO. 51007355 CITY OF LAS VEGAS BENCHMARK RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET / 679.8486 METERS (NAVD 88 DATUM)

NOTE:
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SAFETY ALERT
Call Before You Dig
Call Before You Overhead
Call Before You UnderGround

1-702-432-5300
1-702-227-2929
1-800-227-2600

REVISIONS:

REV.	DESCRIPTION	DATE

SEAL: GUY M. MORRIS
CIVIL ENGINEER
No. 14526
03-20-18

DATE: 03-20-18
DRAWN BY: NMG
SUBMITTAL: CLV SUBMITTAL
PROJECT NO.: 171034

3883 Howard Hughes Pkwy
Suite 650
Las Vegas, NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Gensler

CONSULTANT:

A/E:

CONSTRUCTION MGMT: DATE:

COORDINATOR:

BUILDING DEPARTMENT:

CODE COMPLIANCE:

ASBESTOS WORK IS:

REQUIRED ☐ NOT REQUIRED ☐

MPID: 0013671

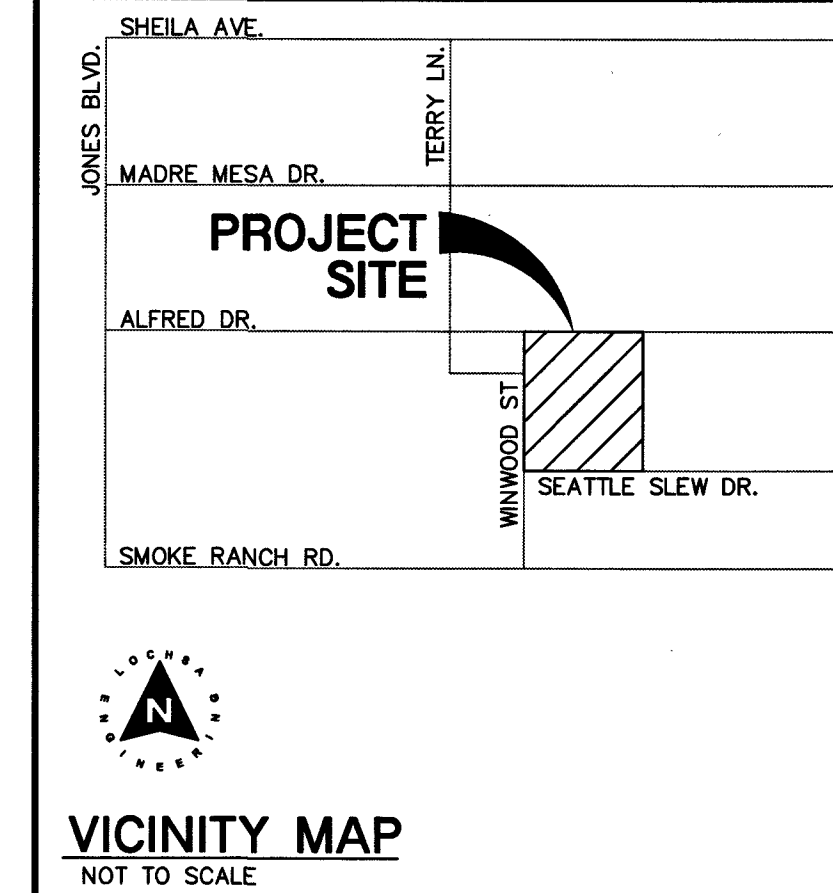
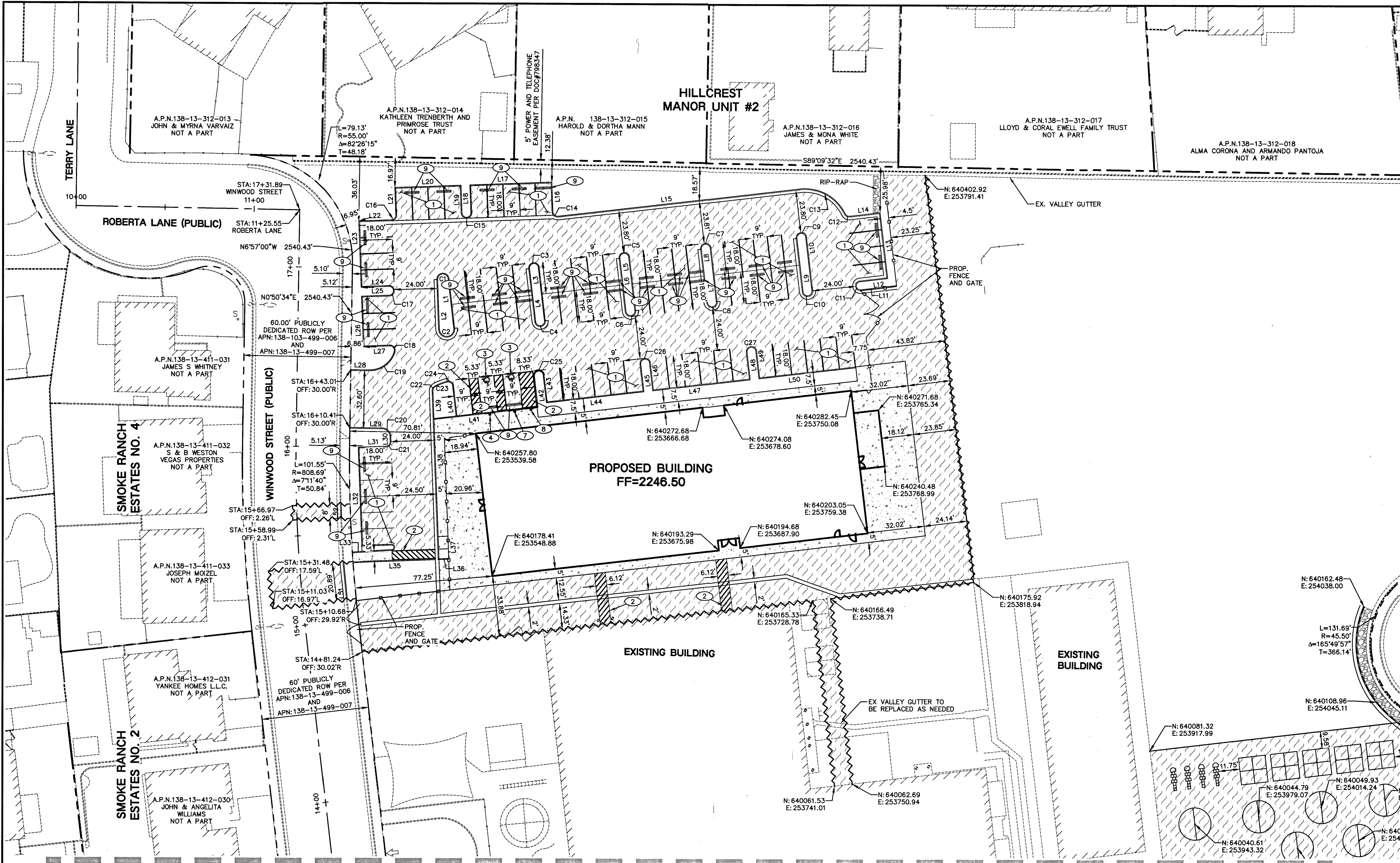
CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074. PHONE: 702-799-8710

PROJECT: **DORIS REED E.S. ADDITION**

DRAWING TITLE: **HORIZONTAL CONTROL PLANS OVERALL**

FACILITY: **DORIS REED E.S. - LOCATION 360**

SHEET NO.: **C3.00**
7/15-200 SHEET 5 OF 22 L18-00344



- STRIPING NOTES:**
- INSTALL 9" X 18" PARKING WITH 4" WHITE PAINTED LINES. (TYPICAL)
 - INSTALL 4" WHITE PAINTED HATCH LINES 3' O.C. @ 45°.
 - INSTALL BLUE AND WHITE PAINTED HANDICAP PAVEMENT MARKINGS. PER DETAIL 8 ON C6.01.
 - INSTALL R7-B "MINIMUM \$250 FINE FOR USE BY OTHERS" NRS 484B.467 SIGN (12" X 18") PER DETAIL 11 ON C6.01.
 - INSTALL HANDICAP RAMP CASE 1 PER CCAUSD #235.
 - INSTALL CROSSWALK STRIPING PER CCAUSD #254.
 - INSTALL R7-B "MINIMUM \$250 FINE FOR USE BY OTHERS" NRS 484B.467 SIGN "VAN ACCESSIBLE" (12" X 18") PER DETAIL 11 ON C6.01.
 - INSTALL R7-B "NO PARKING" NRS 484B.467 SIGN PER DETAIL 9 ON C6.01.
 - INSTALL PRECAST BUMPER BLOCK 2' AWAY FROM CURB FACE PER DETAIL 7 ON C6.01.
- HORIZONTAL CONTROL NOTE:**
ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS NOTED OTHERWISE ON PLANS.

REVISIONS:		
REV.	DESCRIPTION	DATE

DATE: 03-20-18
DRAWN BY: NMG
SUBMITTAL: CLV SUBMITTAL
DATE PROJECT NO.: 171034

Gensler
3883 Howard Hughes Pkwy
Suite 650
Las Vegas, NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Lochsa Engineering
6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone: (702) 395-9312
Fax: (702) 395-9317
www.lochsa.com

CONSTRUCTION MGMT:		DATE:
PROJECT MANAGER:		
COORDINATOR:		
BUILDING DEPARTMENT:		
CODE COMPLIANCE:		
ADHERA REVIEW:		
ASBESTOS WORK IS:		
REQUIRED	☐	NOT REQUIRED ☐
MPID:	0013671	

SEE SHEET C3.02 FOR CONTINUATION

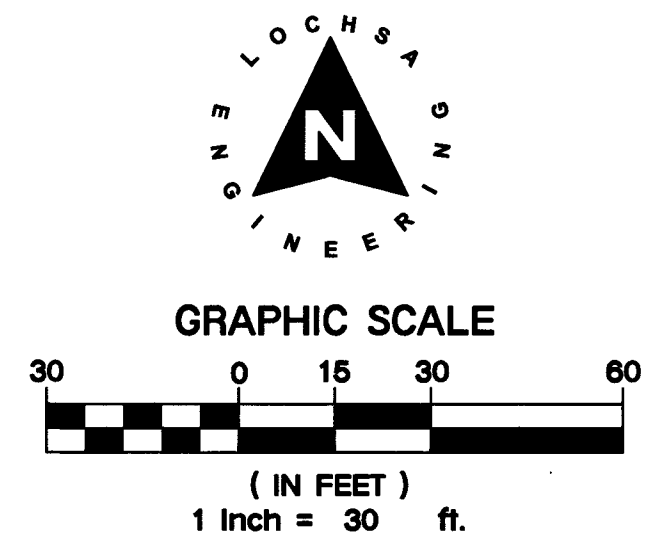
LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	27.93'	N06°40'40"W
L2	27.93'	S02°08'35"E
L3	30.00'	S06°40'40"E
L4	30.00'	N06°40'40"W
L5	30.00'	N06°40'40"E
L6	30.00'	N06°40'40"W
L7	30.00'	S06°40'40"E
L8	30.00'	N06°40'40"W
L9	30.00'	S06°40'40"E
L10	30.00'	N06°40'40"W
L11	20.25'	N83°19'20"E
L12	15.75'	S83°19'20"W
L13	36.99'	S06°40'40"E
L14	17.18'	N83°19'20"E
L15	136.66'	N83°19'20"E
L16	16.65'	S02°08'35"E
L17	46.00'	N87°51'25"E
L18	15.50'	N02°08'35"W
L19	15.50'	S02°08'35"E
L20	37.17'	N87°51'25"E

LINE TABLE		
LINE #	LENGTH	DIRECTION
L21	15.50'	N02°08'35"W
L22	18.40'	N87°51'25"E
L23	37.17'	N02°08'35"W
L24	15.50'	S87°51'25"W
L25	15.50'	N87°51'25"E
L26	28.25'	N02°08'35"W
L27	14.82'	S87°51'25"W
L28	10.35'	N89°09'25"W
L29	18.12'	N89°09'25"W
L30	2.80'	N02°08'36"W
L31	15.50'	S87°51'24"W
L32	58.01'	S02°08'36"E
L33	5.38'	S86°13'43"W
L35	40.22'	N87°51'24"E
L36	6.00'	N87°51'24"E
L37	11.83'	N02°08'36"W
L38	108.36'	N02°08'36"W
L39	15.36'	N02°08'36"W
L40	17.32'	N06°40'40"W
L41	46.17'	N83°19'20"E

LINE TABLE		
LINE #	LENGTH	DIRECTION
L42	17.50'	N06°40'40"W
L43	15.50'	N06°40'40"W
L44	55.00'	S83°19'20"W
L45	15.50'	S06°40'40"E
L46	15.50'	N06°40'40"W
L47	55.00'	S83°19'20"W
L48	15.50'	S06°40'40"E
L49	15.50'	N06°40'40"W
L50	54.69'	S83°19'20"W
L51	8.00'	N05°33'42"W
L52	8.00'	N02°00'44"W

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	9.14'	2.98'	175°30'53"	76.16'
C2	13.17'	4.09'	184°32'05"	103.26'
C3	7.85'	2.50'	180°00'00"	INFINITY
C4	7.85'	2.50'	180°00'00"	INFINITY
C5	7.85'	2.50'	180°00'00"	INFINITY
C6	7.85'	2.50'	180°00'00"	INFINITY
C7	7.85'	2.50'	180°00'02"	463304.21'
C8	7.85'	2.50'	180°00'00"	INFINITY
C9	7.85'	2.50'	180°00'03"	369303.78'
C10	7.85'	2.50'	180°00'00"	INFINITY
C11	7.07'	2.25'	180°00'00"	INFINITY
C12	3.07'	2.50'	070°23'40"	1.76'
C13	30.79'	25.06'	070°23'40"	17.68'
C14	4.12'	2.50'	094°32'05"	2.71'
C15	7.85'	2.50'	180°00'00"	INFINITY
C16	3.93'	2.50'	090°00'00"	2.50'
C17	7.85'	2.50'	180°00'00"	INFINITY
C18	4.77'	2.50'	109°24'19"	3.53'
C19	18.62'	14.50'	073°34'51"	10.84'
C20	6.83'	4.50'	087°00'50"	4.27'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C21	3.93'	2.50'	090°00'00"	2.50'
C22	2.83'	2.50'	064°45'04"	1.59'
C23	7.27'	27.50'	015°09'19"	3.66'
C24	4.23'	2.50'	096°53'32"	2.82'
C25	7.85'	2.50'	180°00'00"	INFINITY
C26	7.85'	2.50'	180°00'00"	INFINITY
C27	7.85'	2.50'	180°00'00"	INFINITY



A.P.N.:
138-13-402-001
BASIS OF BEARINGS:
SEE COVER SHEET
BENCHMARK:
BENCHMARK NO. SLV001358 CITY OF LAS VEGAS BENCHMARK RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET / 679.846 METERS (NAVD 88 DATUM)

NOTE:
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SAFETY ALERT
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Call Before You Overhead
1-702-432-5300
1-702-227-2929
1-800-227-2600

CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)											⑤ = SANITARY SEWER ⑥ = STORM DRAIN ⑦ = ELECTRICAL ⑧ = TELEPHONE								
ROW LINE	SCARP LINE	PROPOSED:	(2122)																			

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074 PHONE: 702-799-8710

DORIS REED E.S. ADDITION

HORIZONTAL CONTROL PLANS SHEET 1 OF 2

DORIS REED E.S. - LOCATION 360

SHEET NO.: **C3.01**
715-200 SHEET 6 OF 22 L18-00344

SHEILA AVE.

JONES BLVD.

MADRES MESA DR.

PROJECT SITE

ALFRED DR.

SMOKE RANCH RD.

TERRY LN.

WINWOOD ST.

SEATTLE SLEW DR.

MICHAEL WAY

N
 12
 11
 10
 9
 8
 7
 6
 5
 4
 3
 2
 1

VICINITY MAP

NOT TO SCALE

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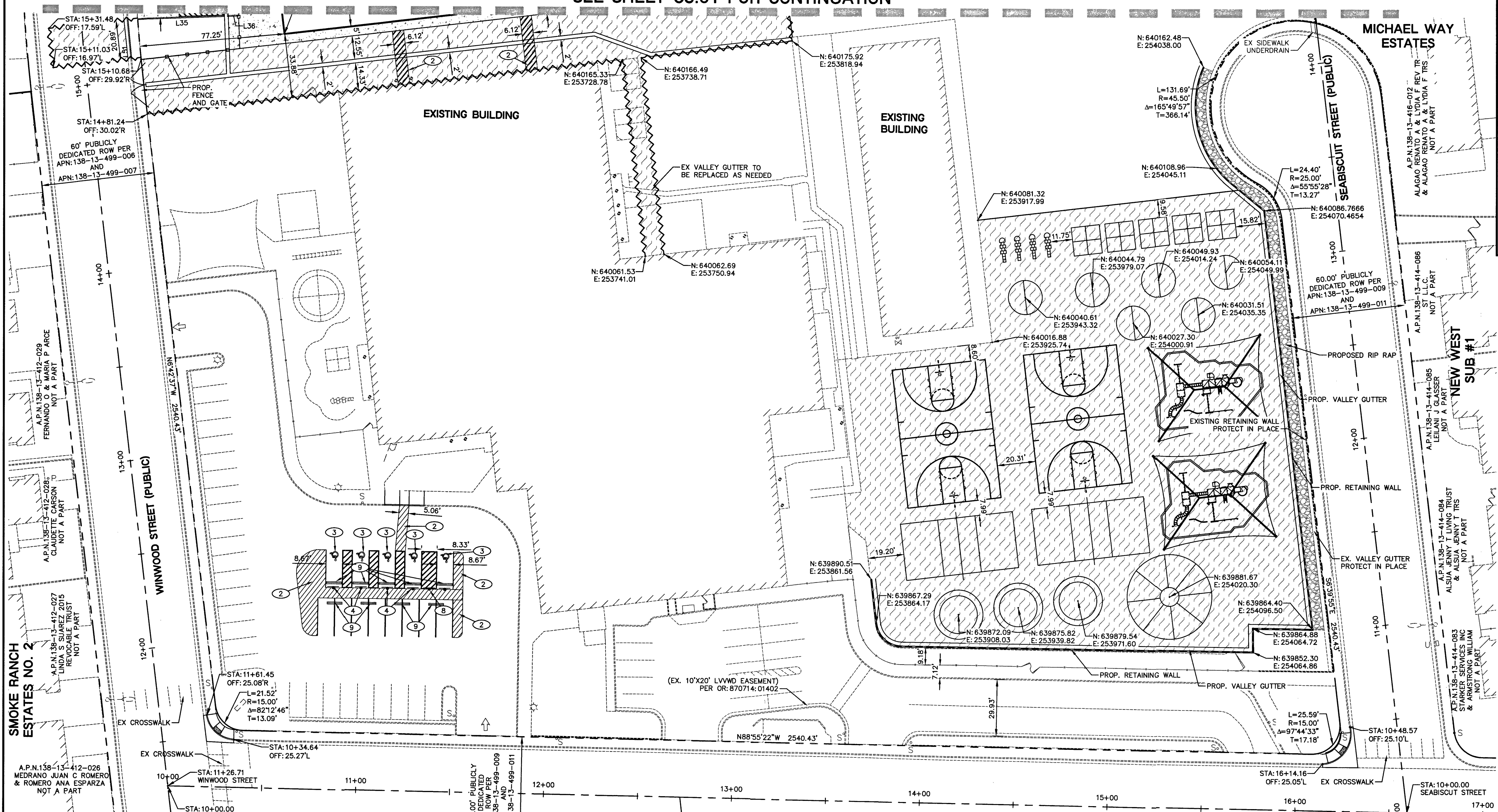
A/E:	3883 Howard Hughes Pkwy Suite 650 Las Vegas NV 89169 Tel: 702.893.2800 Fax: 702.893.2805	CONSULTANT:	 Lochsa engineering 6346 South Jones Blvd. Suite 100 Las Vegas, NV 89118 Phone (702) 365-9312 Fax (702) 365-9317 www.lochsa.com
CONSTRUCTION	MCMC:		DATE:

CONSTRUCTION MGMT:		DATE:
PROJECT MANAGER:		
COORDINATOR:		
BUILDING DEPARTMENT:		
CODE COMPLIANCE:		
AHJRA REVIEW:		
ASBESTOS WORK IS: REQUIRED ☐ NOT REQUIRED ☐		

MPID:	0013671
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 CLARK COUNTY SCHOOL DISTRICT CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710	PROJECT:	DORIS REED E.S. ADDITION
	DRAWING TITLE:	HORIZONTAL CONTROL PLANS SHEET 2 OF 2
	FACILITY:	DORIS REED E.S. - LOCATION 360

SHEET NO:
C3.02
715-200 SHEET 7 OF 22 L18-00344



LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	27.93'	N06°40'40"W
L2	27.93'	S02°08'35"E
L3	30.00'	N06°40'40"E
L4	30.00'	N06°40'40"W
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L27	14.82'	S87°51'25" W
L28	10.35'	N89°09'25" W
L29	18.12'	N89°09'26" W
L30	2.80'	N02°08'36" W
L31	15.50'	S87°51'24" W
L32	58.01'	S02°08'36" E
L33	5.38'	S86°13'43" W
L35	40.22'	N87°51'24" E
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C5	7.85'	2.50'	180°00'00"	INFINITY
C6	7.85'	2.50'	180°00'00"	INFINITY
C7	7.85'	2.50'	180°00'02"	463304.21'
C8	7.85'	2.50'	180°00'00"	INFINITY
C9	7.85'	2.50'	180°00'03"	369303.78'
C10	7.85'	2.50'	180°00'00"	INFINITY
C11	7.07'	2.25'	180°00'00"	INFINITY
C12	3.07'	2.50'	070°23'40"	1.76'
C13	30.79'	25.06'	070°23'40"	17.68'
C14	4.12'	2.50'	094°32'05"	2.71'
C15	7.85'	2.50'	180°00'00"	INFINITY
C16	3.93'	2.50'	090°00'00"	2.50'
C17	7.85'	2.50'	180°00'00"	INFINITY
C18	4.77'	2.50'	109°24'19"	3.53'
C19	18.62'	14.50'	073°34'51"	10.84'
C20	6.83'	4.50'	087°00'50"	4.27'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C21	3.93'	2.50'	090°00'00"	2.50'
C22	2.83'	2.50'	064°45'04"	1.59'
C23	7.27'	27.50'	015°09'19"	3.66'
C24	4.23'	2.50'	096°53'32"	2.82'
C25	7.85'	2.50'	180°00'00"	INFINITY
C26	7.85'	2.50'	180°00'00"	INFINITY
C27	7.85'	2.50'	180°00'00"	INFINITY

STRIPING NOTES:

1. INSTALL 9' X 18' PARKING WITH 4" WHITE PAINTED LINES. (TYPICAL)
2. INSTALL 4" WHITE PAINTED HATCH LINES 3' O.C. @ 45°.
3. INSTALL BLUE AND WHITE PAINTED HANDICAP PAVEMENT MARKINGS. PER DETAIL 8 ON C6.01.
4. INSTALL 7'-8" MINIMUM \$250 FINE FOR USE BY OTHERS* NRS 4848.467 SIGN (12' X 18") PER DETAIL 11 ON C6.01.
5. INSTALL HANDICAP RAMP CISE 1 PER C6AUSD #235.
6. INSTALL CROSSWALK SIGN PER C6AUSD #254.
7. INSTALL 7'-8" MINIMUM \$250 FINE FOR USE BY OTHERS* NRS 4848.467 SIGN "VAN ACCESSIBLE" (12' X 18") PER DETAIL 11 ON C6.01.
8. INSTALL 7'-8" "NO PARKING" NRS 4848.467 SIGN PER DETAIL 8 ON C6.01.
9. INSTALL PRECAST BUMPER BLOCK 2' AWAY FROM CURB FACE PER DETAIL 7 ON C6.01.

HORIZONTAL CONTROL NOTE:
ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS
NOTED OTHERWISE ON PLANS.

NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT

Call before you dig

Avoid cutting underground utility lines. It's costly.

Call
Before You
Overhead

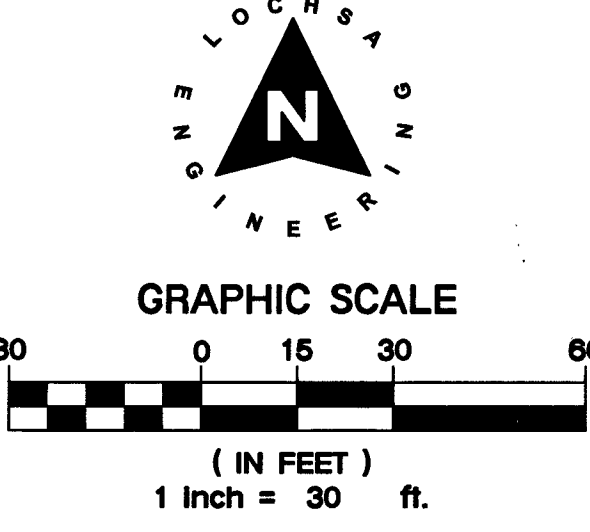
Call
before you
UnderGround

Call
811

1-702-277-2020

1-702-432-5300

1-800-277-2600

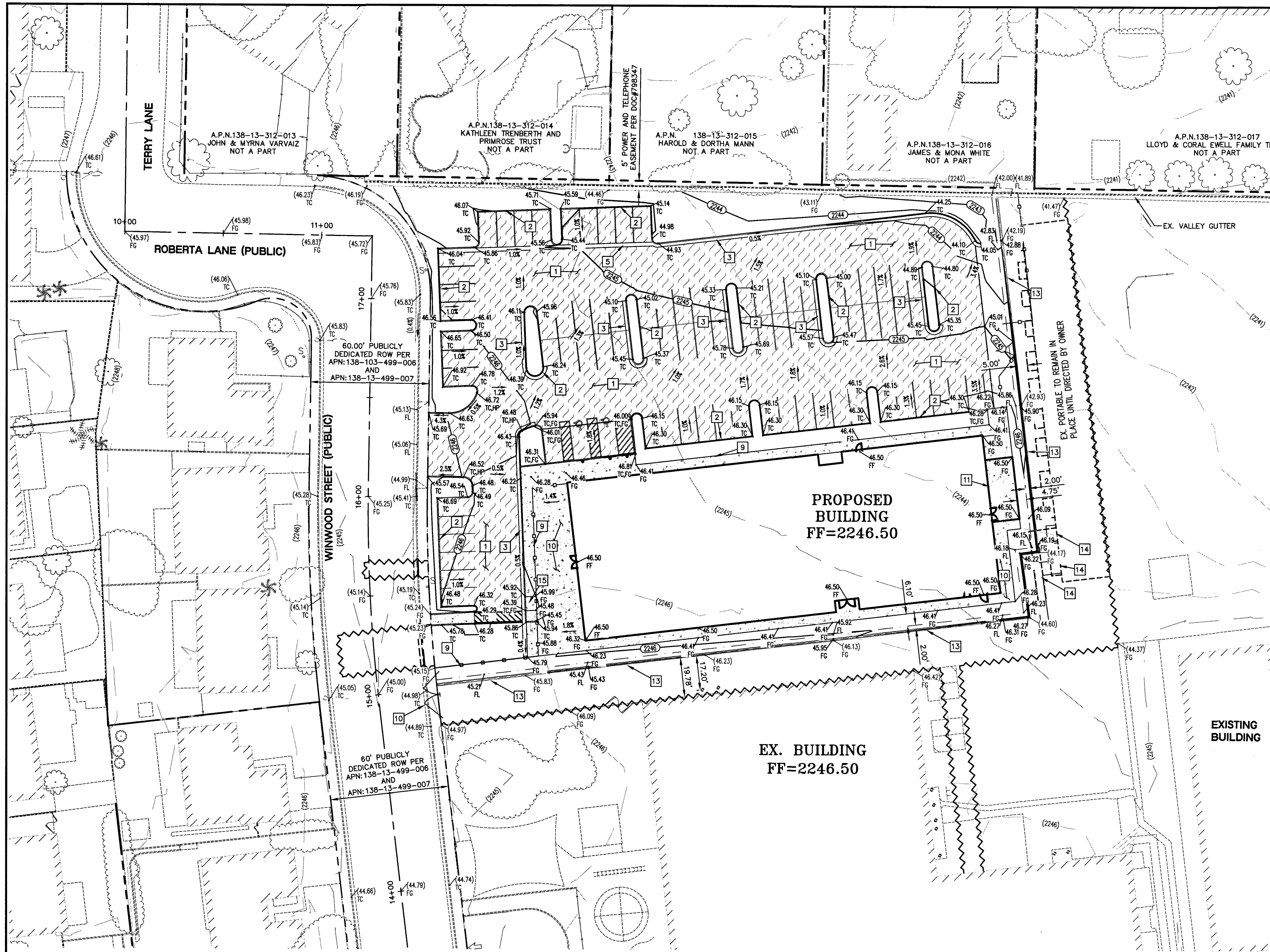


A.P.N.:
138-13-402-001

BASIS OF BEARINGS:
SEE COVER SHEET

BENCHMARK:
BENCHMARK NO 5LV00T356 CITY OF LAS VEGAS BENCHMARK
ROCKET TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARLY COURT ELEVATION = 2230.44 FEET /
673.8486 METERS (NAD 83 DATUM)

[illegible]



SEE SHEET C4.01 FOR CONTINUATION

CONSTRUCTION NOTES:

- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (C.C.A.U.S.D.) LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- NOT ALL NOTES USED ON THIS SHEET -
- CONSTRUCT AC PAVEMENT PER DETAIL 2 ON C6.01.
- CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON C6.01.
- CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
- CONSTRUCT 2' CURB OPENING PER DETAIL 12 ON SHEET C6.01.
- CONSTRUCT 2' VALLEY GUTTER PER DETAIL 3 ON C6.01.
- INSTALL RIP RAP D50=3" THICKNESS=6" TRENCH, BACKFILL, AND AC RESTORATION CCAUSD Nos. 503, 500.3, 500.4, AND 500.5.
- SAWCUT AND MATCH EXISTING.
- FENCE PER ARCHITECTURAL PLANS.
- CONSTRUCT CONC. SIDEWALK PER DETAIL 9 ON C6.01.
- REFER TO ARCH. PLANS FOR FINISHING SPECIFICATIONS.
- CONSTRUCT CONC. PAD UNDER STAIRS PER DETAIL 5 ON SHEET C6.01.
- RETAINING WALL WITH FENCE OR HANDRAIL PER DETAIL 9 ON C6.02.
- INSTALL JERSEY BARRIER FOR RETAINING DURING INTERIM CONDITION.
- RELOCATE STAIRS AND RAMP AS DIRECTED BY OWNER.
- INSTALL ADA RAMP PER DETAIL 13 ON SHEET C6.01.

MAX 2% H.S. BUILDING FF
MIN. 5% L.S.

TYPICAL GRADING AWAY FROM BUILDING

CUT	FILL
96 CY	6762 CY

NOTE: CUT/FILL QUANTITIES ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS, FOOTINGS, ETC.

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY AND INCORPORATED AREAS, NEVADA, COMMUNITY PANEL NUMBER: 3200302155P, EFFECTIVE DATE: NOVEMBER 16, 2011. THE SITE FALLS WITHIN ZONE 'X', DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

GRADING NOTES:

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON ROUGH GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE, NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY: GEOTEK INC, PROJECT No. 13537-L.

GRADING PLAN CERTIFICATION

NAME: GUY M. MORRIS PE # 14526 DATE: 3-20-18

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.

NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY, SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

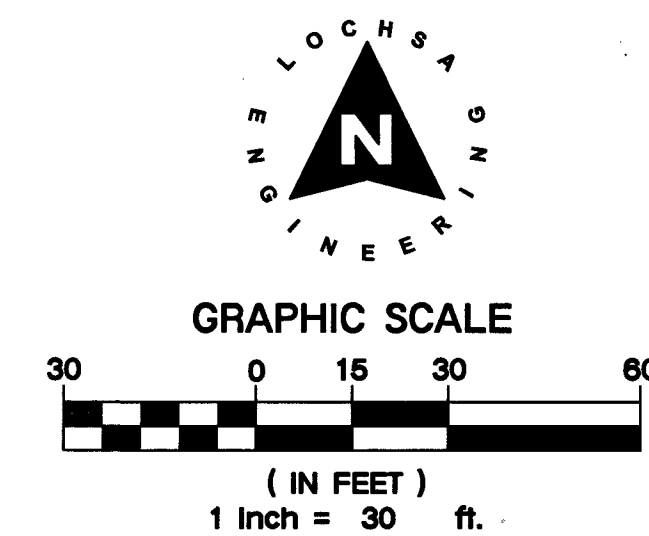
SAFETY ALERT

Call before you dig
Call before you dig
Call before you dig
Call before you dig

1-702-432-5300
1-702-227-2929

A.P.N.: 138-13-402-001
BASIS OF BEARINGS:
SEE COVER SHEET

BENCHMARK:
BENCHMARK NO. SLV001356 CITY OF LAS VEGAS BENCHMARK
RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET /
679.8486 METERS (NAVD 88 DATUM)



CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)								(12.34) BC											
ROW LINE	SCARP LINE	PROPOSED:	(2122)								(12.34) BC											

REVISIONS:

REV.	DESCRIPTION	DATE

PROJECT SITE

MAP

VICINITY MAP

NOT TO SCALE

3883 Howard Hughes Pkwy
Suite 650
Las Vegas, NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Gensler

CONSULTANT:

Lochsa Engineering

8344 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8312
Fax (702) 365-8317
www.lochsa.com

CONSTRUCTION MGMT:

DATE:

BUILDING DEPARTMENT:

CODE COMPLIANCE:

ASBESTOS WORK IS:

REQUIRED ☐ NOT REQUIRED ☐

MPID:

0013671

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT:

DORIS REED E.S. ADDITION

DRAWING TITLE:

GRADING PLANS PHASING & INTERIM GRADING SHEET 1 OF 2

FACILITY:

DORIS REED E.S. - LOCATION 360

SHEET NO:

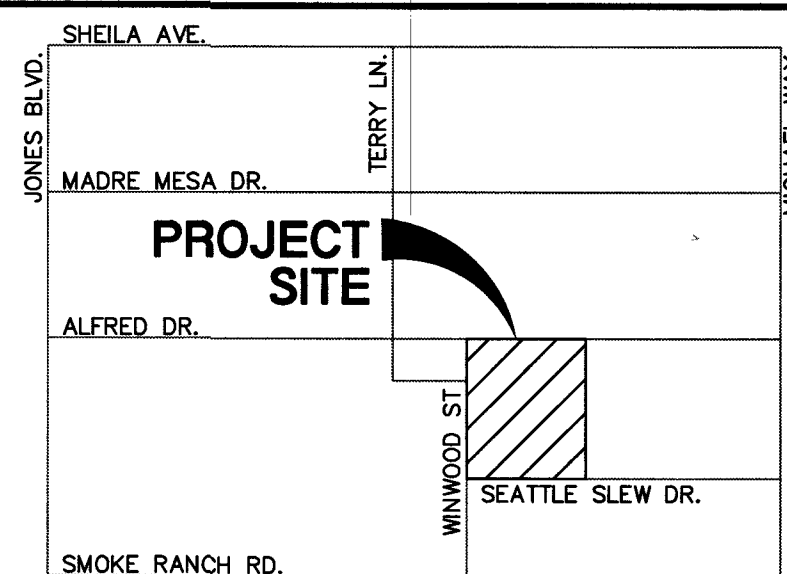
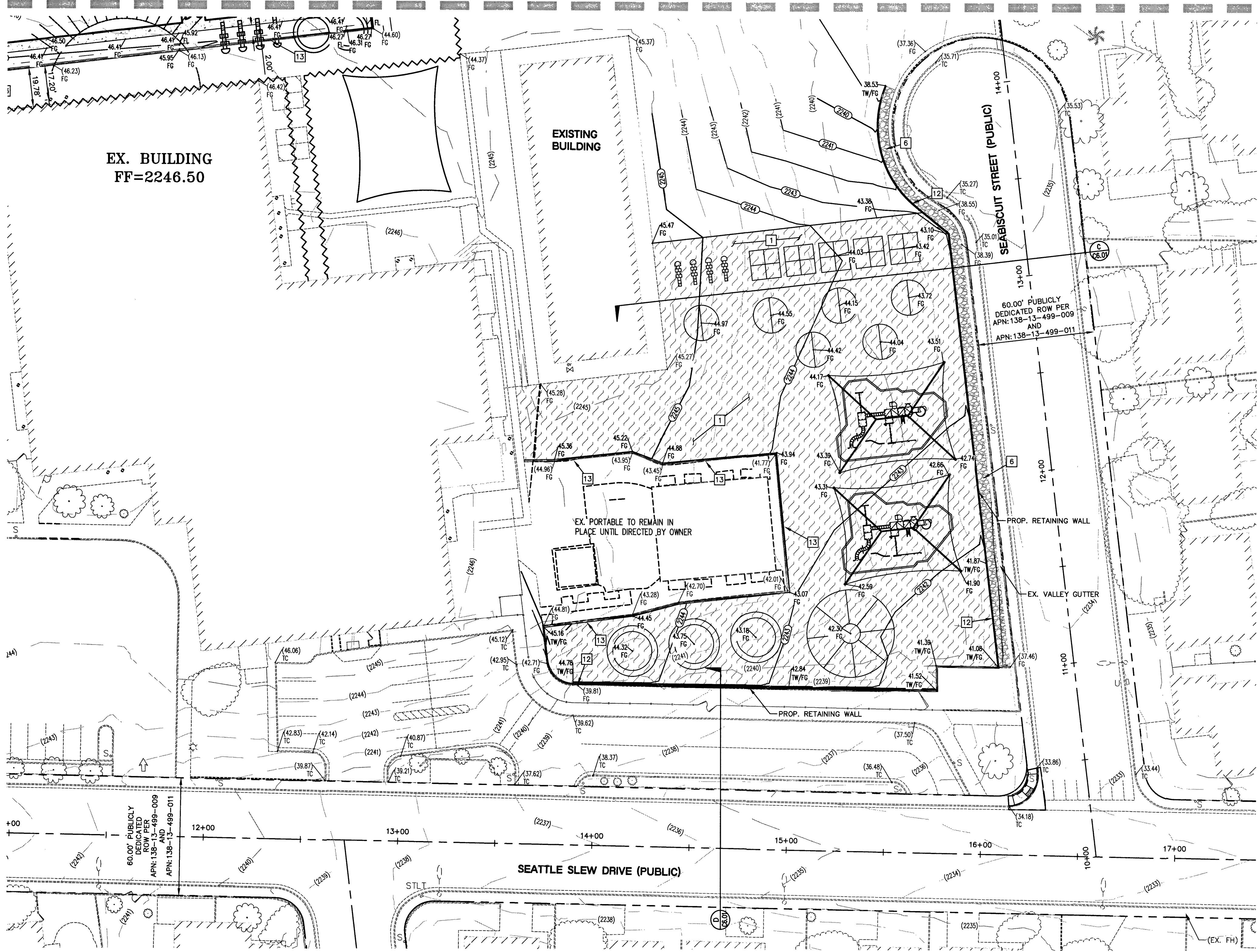
C400

7/5-200

SHEET 8 OF 22

L18-00344

SEE SHEET C4.00 FOR CONTINUATION



VICINITY MAP
NOT TO SCALE

- CONSTRUCTION NOTES:**
- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (C.C.A.U.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
 - NOT ALL NOTES USED ON THIS SHEET -
 - 1. CONSTRUCT AC PAVEMENT PER DETAIL 2 ON C6.01.
 - 2. CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON C6.01.
 - 3. CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
 - 4. CONSTRUCT 2' CURB OPENING PER DETAIL 12 ON SHEET C6.01.
 - 5. CONSTRUCT 2' VALLEY GUTTER PER DETAIL 3 ON C6.01.
 - 6. INSTALL RIP RAP D50=3" THICKNESS=6".
 - 7. TRENCH, BACKFILL, AND AC RESTORATION CCAUSD Nos. 503, 500.3, 500.4, AND 500.5.
 - 8. SAWCUT AND MATCH EXISTING.
 - 9. FENCE PER ARCHITECTURAL PLANS.
 - 10. CONSTRUCT CONC. SIDEWALK PER DETAIL 9 ON C6.01.
 - 11. REFER TO ARCH. PLANS FOR FINISHING SPECIFICATIONS.
 - 12. CONSTRUCT CONC. PAD UNDER STAIRS PER DETAIL 5 ON SHEET C6.01.
 - 13. RETAINING WALL WITH FENCE OR HANDRAIL PER DETAIL 9 ON C6.01.
 - 14. INSTALL JERSEY BARRIER FOR RETAINING DURING INTERIM CONDITION.
 - 15. RELOCATE STAIRS AND RAMP AS DIRECTED BY OWNER.
 - 16. INSTALL ADA RAMP PER DETAIL 13 ON SHEET C6.01.

MAX 2% H.S. BUILDING FF
MIN. 5% L.S.

TYPICAL GRADING AWAY FROM BUILDING

CUT	FILL
98 CY	6762 CY

NOTE: CUT/FILL QUANTITIES ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS, FOOTINGS, ETC.

EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

FLOOD ZONE NOTE:
THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY AND INCORPORATED AREAS, NEVADA, COMMUNITY PANEL NUMBER: 32003C2155F, EFFECTIVE DATE: NOVEMBER 16, 2011. THE SITE FALLS WITHIN ZONE 'X', DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

- GRADING NOTES:**
- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
 - CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON ROUGH GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
 - CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
 - CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS OUTLINED IN THE PRELIMINARY GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY: GEOTEK INC, PROJECT NO. 13637-LV.

GRADING PLAN CERTIFICATION

NAME: GUY M. MORRIS PE # 14526 DATE: 3-10-18

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.

NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY, SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT

Call Before You Dig

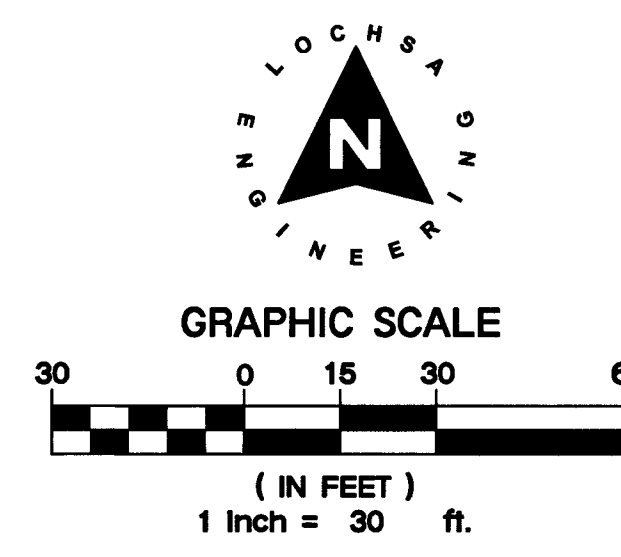
Call Before You Dig

Call Before You Dig

A.P.N.:
138-13-402-001

BASIS OF BEARINGS:
SEE COVER SHEET

BENCHMARK:
BENCHMARK TO SLOTTED CURB CITY OF LAS VEGAS BENCHMARK RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET / 679.8486 METERS (NAVD 88 DATUM)



CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOXES OR VAULTS	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)								(12.34) BC			① = SANITARY SEWER ② = STORM DRAIN ③ = ELECTRICAL ④ = TELEPHONE						BWV		
ROW LINE	SCARP LINE	PROPOSED:	(2122)								(12.34) BC									BWV		

REVISIONS:

REV.	DESCRIPTION	DATE
03-20-18	NMG	
03-20-18	CLV SUBMITTAL	171034

3883 Howard Hughes Pkwy
Suite 650
Las Vegas, NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Gensler

CONSULTANT:

Lochsa Engineering

6546 South Jones Blvd.
Las Vegas, NV 89117
Phone (702) 895-8317
www.lochsa.com

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT: **DORIS REED E.S. ADDITION**

DRAWING TITLE: **GRADING PLANS PHASING & INTERIM GRADE SHEET 2 OF 2**

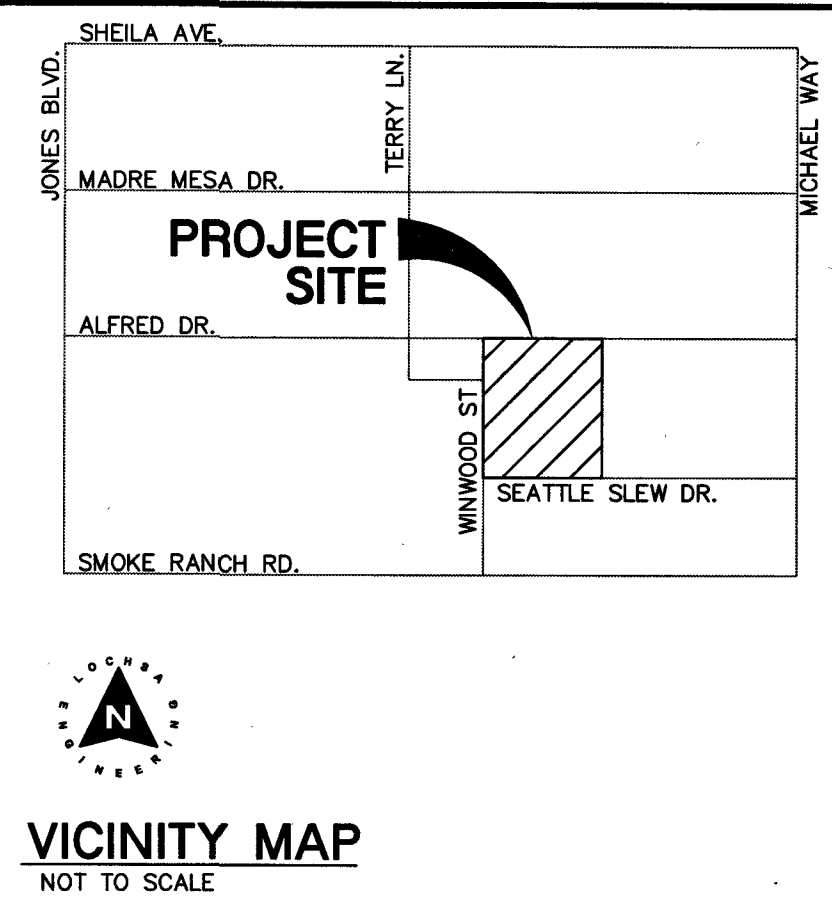
FACILITY: **DORIS REED E.S. - LOCATION 360**

SHEET NO: **C4.01**

SHEET 9 OF 22

7/5-200 L18-00344

LEGEND	CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS									
	PROPERTY LINE	SAWCUT LINE	EXISTING:	---(2210)---												FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHT	
	ROW LINE	SCARP LINE	PROPOSED:	<u>2122</u>																				

[illegible]

chsa
engineering
Phone: (702) 385-8312
Fax: (702) 385-8317
www.bocha.com

Gensler

Lochsa
engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118

Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

CONSULTANT:

CONSTRUCTION MGMT:		DATE:
PROJECT MANAGER:		
COORDINATOR:		
BUILDING DEPARTMENT:		
CODE COMPLIANCE:		
AHJRA REVIEW:		

SBESTOS WORK IS:

REQUIRED ☐	NOT REQUIRED ☐
MPID:	

0013671

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON, NV 89074. PHONE: 702-799-8710

CT: DORIS REED E.S. ADDITION

NG TITLE: GRADING PLANS SHEET 1 OF 2

NAME: DORIS REED E.S. - LOCATION 360

SHEET NO:
C4.03
715-200 SHEET 11 OF 22 L18-00344

MAX 2% H.S. BUILDING FF
MIN. 5% L.S.

TYPICAL GRADING AWAY FROM BUILDING

CUT	FILL
96 CY	6782 CY

NOTE: CUT/FILL QUANTITIES ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH
PROPOSED FINISH GRADE ELEVATIONS.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY AND INCORPORATED AREAS, NEVADA, COMMUNITY PANEL NUMBER 32003C2155F, EFFECTIVE DATE: NOVEMBER 16, 2011. THE SITE FALLS WITHIN ZONE 'X', DESCRIBED BY FEMA AS: ARE DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

GRADING NOTES:

1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL MEASURES, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEFILL EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON LANDSCAPE DRAWINGS. EXCESSIVE EXCAVATION OR BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 48 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE, NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY: GEOTEK INC., PROJECT NO. 16367.

GRADING PLAN CERTIFICATION

NAME: GUY M. MORRIS PE # 14526 DATE 3-20-18

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.

NOTE:

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SAFETY ALERT

Call
Before You
Overhead

Call before you dig
Avoid cutting underground

Call
you
and
811

A.P.N.:
138-13-402-001
BASIS OF BEARINGS:
SEE COVER SHEET

BENCHMARK:
BENCHMARK NO 5LV0013S6 CITY OF LAS VEGAS BENCHMARK
RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET /
679.8486 METERS (NAVD 88 DATUM)

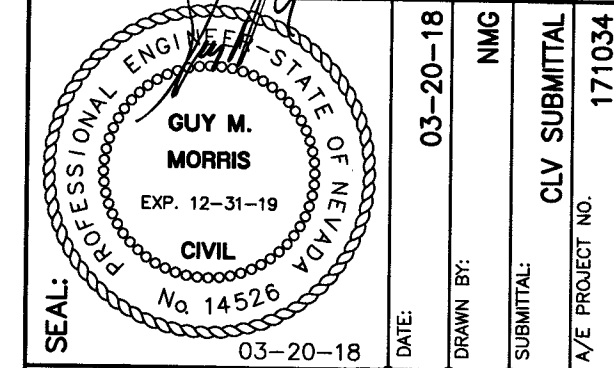
DESCRIPTIONS PRIMARY SEWER	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
RAIN DRAIN LOCAL LINE								
								

4/9/2018 3:04 PM
T:\CAP\171034\Drawings\Plot Drawings\C-171034-401-GP.dwg

SEE SHEET C4.03 FOR CONTINUATION

EX. BUILDING
FF=2246.50EX.
BUILDINGMICHAEL WAY
ESTATESPROJECT
SITEVICINITY MAP
NOT TO SCALE

REVISIONS:

3883 Howard Hughes Pkwy
Suite 650
Las Vegas NV 89169
Tel: 702.893.2800
Fax: 702.893.2805**Gensler**

CONSULTANT:

Lochsa
engineering

6346 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

CONSTRUCTION MGMT: DATE:

PROJECT MANAGER:

COORDINATOR:

BUILDING DEPARTMENT:

CODE COMPLIANCE:

ASBESTOS WORK IS:

REQUIRED ☐ NOT REQUIRED ☐

MPID:

0013671

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT: DORIS REED E.S. ADDITION

DRAWING TITLE: GRADING PLANS SHEET 2 OF 2

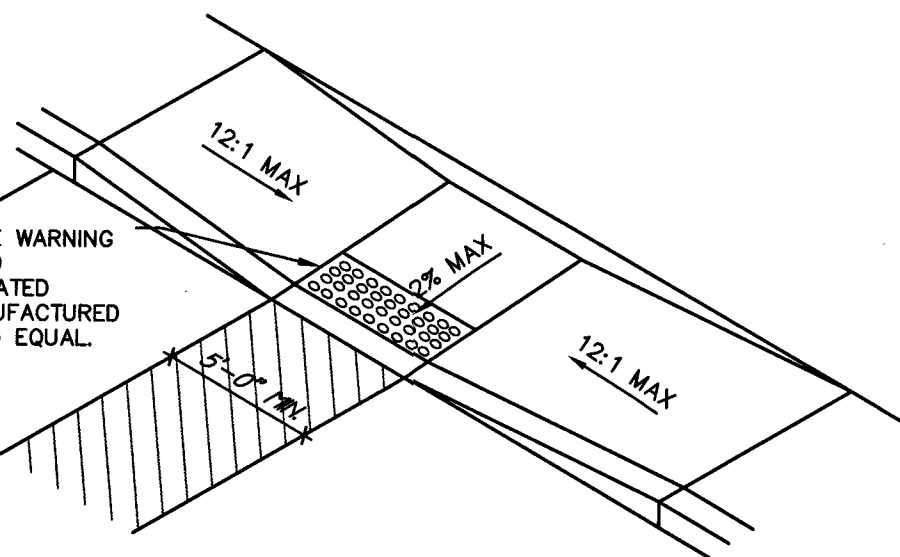
FACILITY: DORIS REED E.S. - LOCATION 360

SHEET NO:

C4.04

7/5-200 SHEET 120F 22 L18-00344

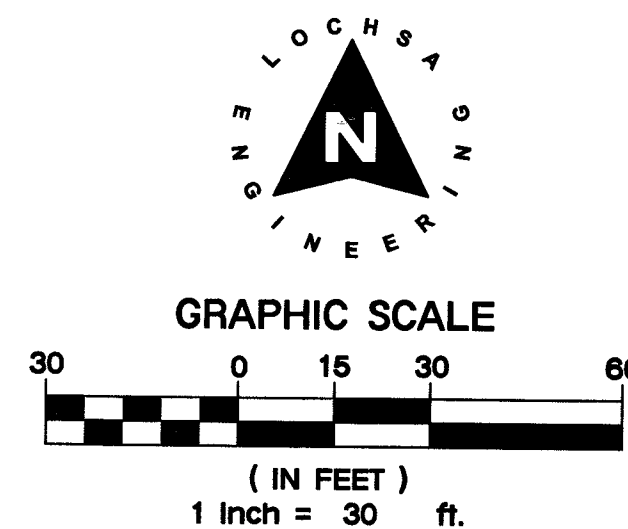
- RAMP NOTES: (FOR ALL ACCESSIBLE ROUTE SLOPES GREATER THAN 1:20)
1. RAMP LENGTHS SHALL BE 6'-0" (72") MIN. FOR EACH 6" RISE
 2. RAMP LANDINGS SHALL BE FLAT FOR A MINIMUM DISTANCE OF 5'-0"
 3. RAMP CROSS SLOPES SHALL NOT EXCEED 1:48
 4. RAMP SLOPES SHALL NOT EXCEED 1:12
 5. HEIGHT OF CURBS (OR EDGES) SHALL NOT EXCEED 6"
 6. RAMP CLEAR WIDTHS TO BE 3'-0" MINIMUM
 7. RAMP HEIGHTS ARE NOT INTENDED TO EXCEED 6" IN HT. PER EA. RUN.
 8. RAMP SHALL HAVE A BROOM FINISH.

ON-SITE RAMP
NOT TO SCALESURFACE APPLIED DETECTABLE WARNING
OF CONTRASTING BACKGROUND
CONSISTING OF RAISED TRUNCATED
DOMES CCAUSD NO. 235 MANUFACTURED
BY ARMOR-TILE OR APPROVED EQUAL

CONSTRUCTION NOTES:

ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH
"CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS
(C.C.A.U.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY
HAVING JURISDICTION.

- NOT ALL NOTES USED ON THIS SHEET -
1. CONSTRUCT AC PAVEMENT PER DETAIL 2 ON C6.01.
 2. CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON C6.01.
 3. CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
 4. CONSTRUCT 2' CURB OPENING PER DETAIL 12 ON SHEET C6.01.
 5. CONSTRUCT 2' VALLEY GUTTER PER DETAIL 3 ON C6.01.
 6. INSTALL RIP RAP D50+3" THICKNESS-6". SEE
 7. TRENCH, BACKFILL, AND AC RESTORATION CCAUSD Nos. 503, 500.3, 500.4, AND 500.5.
 8. SAWCUT AND MATCH EXISTING.
 9. FENCE PER ARCHITECTURAL PLANS.
 10. CONSTRUCT CONC. SIDEWALK PER DETAIL 9 ON C6.01.
 11. REFER TO ARCH. PLANS FOR FINISHING SPECIFICATIONS.
 12. CONSTRUCT CONC. PAD UNDER STAIRS PER DETAIL 5 ON SHEET C6.01.
 13. RETAINING WALL WITH FENCE OR HANDRAIL PER DETAIL 9 ON C6.02.
 14. INSTALL 2'x2' JENSEN PRECAST INLET, DAYLIGHT 12"
 15. STORM DRAIN THROUGH THE WALL AT EX.
 16. CONSTRUCT HANDICAP RAMP CASE 1 PER CCAUSD No. 235. A=8', B=8'.
 17. INSTALL ADA RAMP PER DETAIL 13 ON SHEET C6.01.
 18. INSTALL ADA RAMP PER DETAIL ON C4.04.



A.P.N.:

138-13-402-001

BASIS OF BEARINGS:

SEE COVER SHEET

BENCHMARK:

BENCHMARK NO. 15007356 CITY OF LAS VEGAS BENCHMARK
RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF
MICHAEL WAY & CLEARLY CITY ELEVATION=2230.44 FEET /
674.846 METERS (NAVD 88 DATUM)

- MANHOLE DESCRIPTIONS
- ① = SANITARY SEWER
 - ② = STORM DRAIN
 - ③ = ELECTRICAL
 - ④ = TELEPHONE

- MANHOLE W/ DESCRIPTION
- ⑤
 - ⑥
 - ⑦
 - ⑧
 - ⑨
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GRADING PLAN CERTIFICATION

NAME: GUY M. MORRIS PE # 14526 DATE: 3-20-18

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.

NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR
EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES
SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE
INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO
FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES,
INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY
SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND
IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF
CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE
CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S
REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT

Call before you dig

Before You Overhead

Call before you dig

Underground

1-702-227-2929

1-702-432-5300

1-800-227-2800

Call before you dig

Before you dig

Underground

Call before you dig

Underground

1-702-432-5300

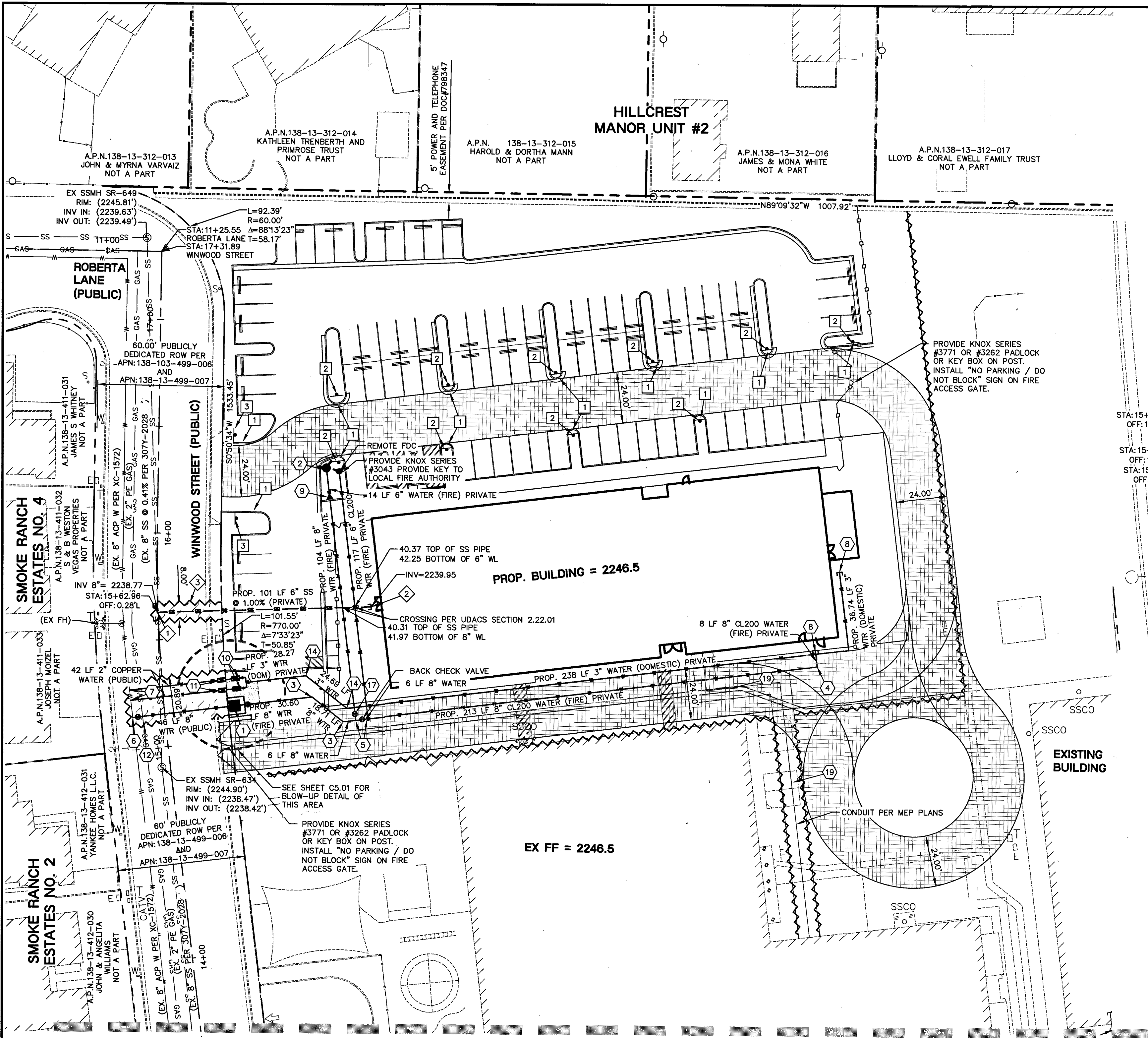
1-800-227-2800

1-702-227-2929

1-800-227-2800

1-702-227-2929

1-800-227-2800



SEE SHEET C5.02 FOR CONTINUATION

WARNING FIRE LINE (NON-POTABLE WATER) ALL EXISTING, RELOCATED OR PROPOSED DCDA/RPDA INSTALLATIONS:

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

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 2"

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 PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE

TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLY, AND PIPING FROM THE ADJACENT RIGHT OF WAY.

NOTE:

PROTECT IN PLACE AND ADJUST LVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) (2) 8" (1) 4"

THE REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 54. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ASSEMBLY WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE

TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLY, AND PIPING FROM THE ADJACENT RIGHT OF WAY.

NOTE:

CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

FIRE FLOW CALCULATIONS BASED ON BUILDING WITH HIGHEST DEMAND:

SQUARE FOOTAGE:	31,021
LARGEST AREA BETWEEN 4 HR. AREA SEPARATION WALLS:	N/A
BUILDING HEIGHT:	38'-2"
NUMBER OF STORIES:	2
TYPICAL CONSTRUCTION:	V-B
OCCUPANCY:	GROUP E EDUCATION
SPRINKLER SYSTEM:	YES (300)
EXPOSURES:	4
ROOF CONSTRUCTION:	SINGLE PLY PVC - CLASS C
FLOW REQUIRED @ 20 PSI RESIDUAL (50% REDUCTION):	2375 GPM
MAX. STORAGE HEIGHT:	N/A
PRESSURE ZONE	2420

SOUTHWEST GAS CORPORATION

DATE: 3-29-18

A.P.N.:

138-13-402-001

BASIS OF BEARINGS:

SEE COVER SHEET

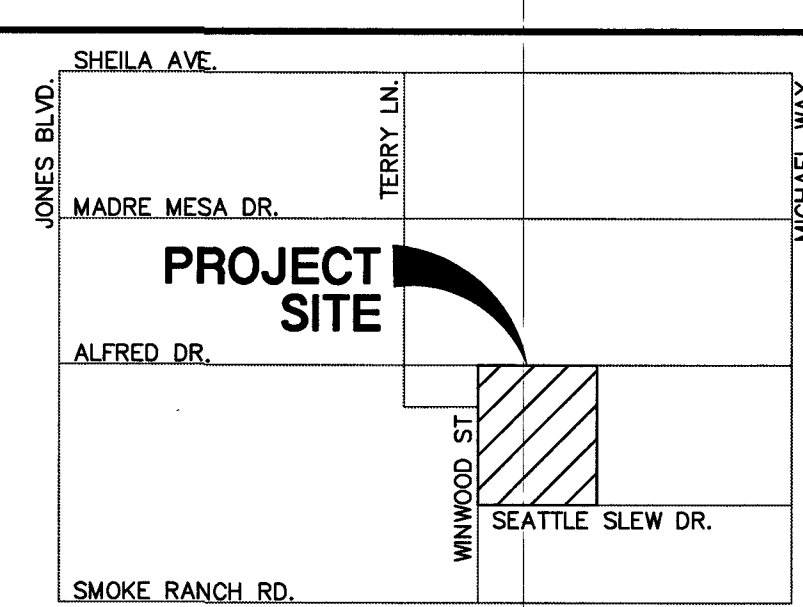
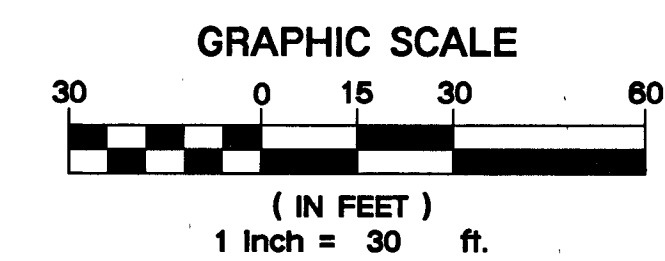
BENCHMARK:

BENCHMARK NO. 150001355 CITY OF LAS VEGAS BENCHMARK RIVET & PLATE IN TOP OF CURB @ NORTHWEST CORNER OF MICHAEL WAY & CLEARY COURT ELEVATION=2230.44 FEET / 679.8486 METERS (NAVD 88 DATUM)

MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS
①	① = SANITARY SEWER ② = STORM DRAIN ③ = ELECTRICAL ④ = TELEPHONE	①	①	①	①	①	①	①	①

715-202

22-00344



VICINITY MAP

NOT TO SCALE

- WITH "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS)" LATEST EDITION.
- NOT ALL NOTES USED ON THIS SHEET
1. INSTALL 8" RPDA PER UDACS PLATE 56
 2. INSTALL FIRE HYDRANT W/ GATE VALVE PER UDACS PLATE NO. 45
 3. INSTALL 45' BEND W/ THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31
 4. INSTALL 90' BEND W/ THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31
 5. INSTALL TEE (SAME SIZE AS PIPES) W/ THRUST BLOCK PER UDACS NO. 31
 6. INSTALL TAPPING VALVE & TAPPING SLEEVE (SAME SIZE AS PIPE) PER UDACS sect. 2.24.01A
 7. INSTALL 2" SERVICE SADDLE CONNECTION WITH CORP. STOP PER UDACS PLATE NO. 4
 8. STUB & CAP WATER SERVICE. REFER TO PLUMBING PLANS FOR CONTINUATION.
 9. INSTALL REDUCER W/ ANCHOR BLOCK (SAME SIZE AS PIPES) PER UDACS PLATE NO. 30
 10. INSTALL 2" RPDA WITH ENCLOSURE PER UDACS PLATE NO. 8
 11. INSTALL 2" WATER SERVICE & METER PER UDACS PLATE NO. 4
 12. SAWCUT, TRENCH AND BACKFILL PER UDACS PLATE NO. 17. REPLACE CURB, GUTTER AND SIDEWALK AS NECESSARY.
 13. REMOVE EXISTING 4" DCDA AND REPLACE WITH 4" RPDA PER UDACS PLATE NO. 59
 14. INSTALL 45' BEND (SAME SIZE AS PIPE)
 15. INSTALL 90' BEND (SAME SIZE AS PIPE)
 16. INSTALL TEE (SAME SIZE AS PIPES)
 17. INSTALL GATE VALVE PER UDACS PLATE NOS. 30 AND 39 (SAME SIZE AS PIPE)
 18. INSTALL 2" CURB STOP W/ IRRIGATION BOX.
 19. CONDUITS LINE PER MEP PLANS

SEWER CONSTRUCTION NOTES:

- NOT ALL NOTES USED ON THIS SHEET
- ALL GRAVITY SEWER LINES TO BE SDR-35 PVC, UNLESS NOTED OTHERWISE.
1. INSTALL SERVICE TAPPING SADDLE PER 3.17.2 OF DCSWS.
 2. STUB & CAP SANITARY SEWER SERVICE. REFER TO PLUMBING PLANS FOR CONTINUATION.
 3. SAWCUT, TRENCH AND BACKFILL PER DCSWS 50-16. REPLACE CURB, GUTTER AND SIDEWALK AS NECESSARY.

FIRE LANE NOTES:

1. PAINT ENTIRE FACE OF CURB RED PER STANDARDS.
2. INSTALL FIRE SIGN @ A MAXIMUM DISTANCE OF EVERY 100' ALONG THE FIRE LANE PER DETAIL ON C5.01
3. ENTRANCE WARNING SIGN PER DETAIL ON C5.01

FIRE ACCESS LEGEND:

24" WIDE FIRE TRUCK ACCESSIBLE ROUTE
MIN TURNING RADIUS IS 28'/52'

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: N/A DATE: _____

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 2375 GPM AT 20 P.S.I. RESIDUAL.

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LAS VEGAS VALLEY WATER DISTRICT.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 125853 FIRST APPROVED DATE: 5/1/18
LVWD APPROVED FIRE FLOW 2375 GPM AT 20 PSI RESIDUAL

NOTE:

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SAFETY ALERT

Call before you dig
Avoid cutting underground utility lines. It's costly.

Call before you dig
Underground

1-702-432-5300
1-702-227-2929

UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT	UTILITY BOX OR VAULT
①	①	①	①	①	①	①	①	①	①

715-202

22-00344

REV.	DESCRIPTION	DATE
03-20-18	NMG	
03-20-18	CLV SUBMITTAL	171034

Gensler

3883 Howard Hughes Pkwy
Suite 650
Las Vegas, NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Lochsa Engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone: (702) 385-3317
Fax: (702) 385-3317
www.lochsa.com

CONSTRUCTION MGMT:	DATE:
COORDINATOR:	
BUILDING DEPARTMENT:	
CODE COMPLIANCE:	
AIRER REVIEW:	
ASBESTOS WORK IS:	REQUIRED ☐ NOT REQUIRED ☐
MPID:	0013671

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT: **DORIS REED E.S. ADDITION**

DRAWING TITLE: **UTILITY PLANS SHEET 1 OF 2**

FACILITY: **DORIS REED E.S. - LOCATION 360**

715-202

22-00344

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS
REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE
LAS VEGAS VALLEY WATER DISTRICT.

APPROVED FOR CONSTRUCTION



LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 125853 FIRST APPROVED DATE: 5/11/18

LVWMD APPROVED FIRE FLOW 2375 GPM AT 20 PSI RESIDUAL

CONSTRUCTION MGMT:		DATE:
PROJECT MANAGER:		
COORDINATOR:		
BUILDING DEPARTMENT:		
CODE COMPLIANCE:		
AHERA REVIEW:		
ASBESTOS WORK IS: REQUIRED ☐ NOT REQUIRED ☐		
MPID:		
0013671		

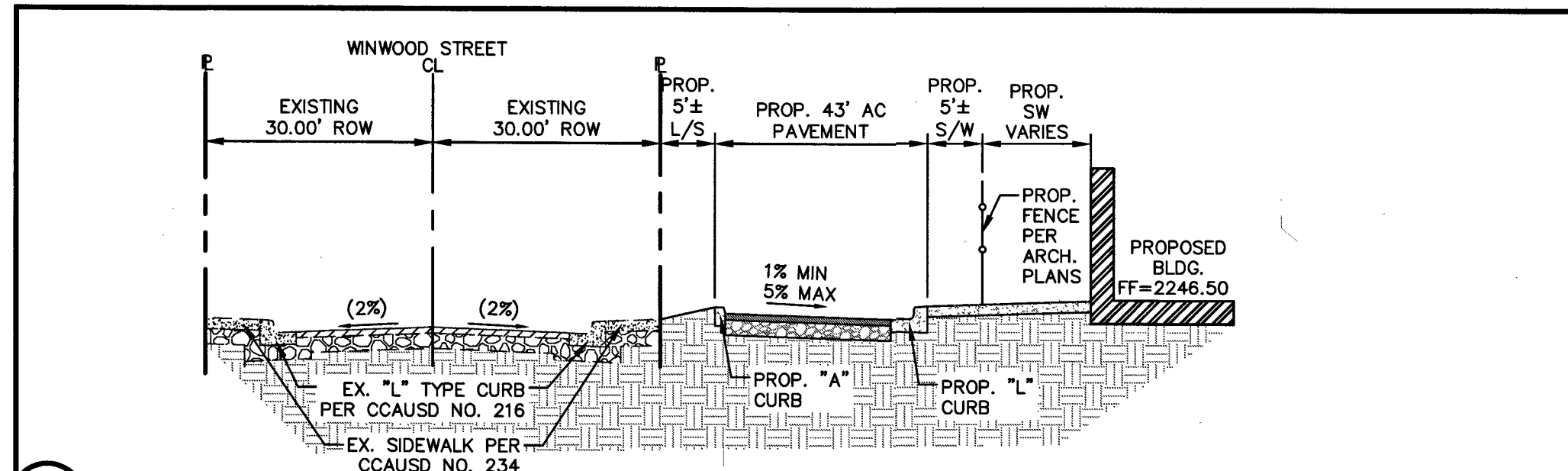
SHEET NO:
C5.02
715-200 SHEET 15 OF 22 L18-00344

LEGEND

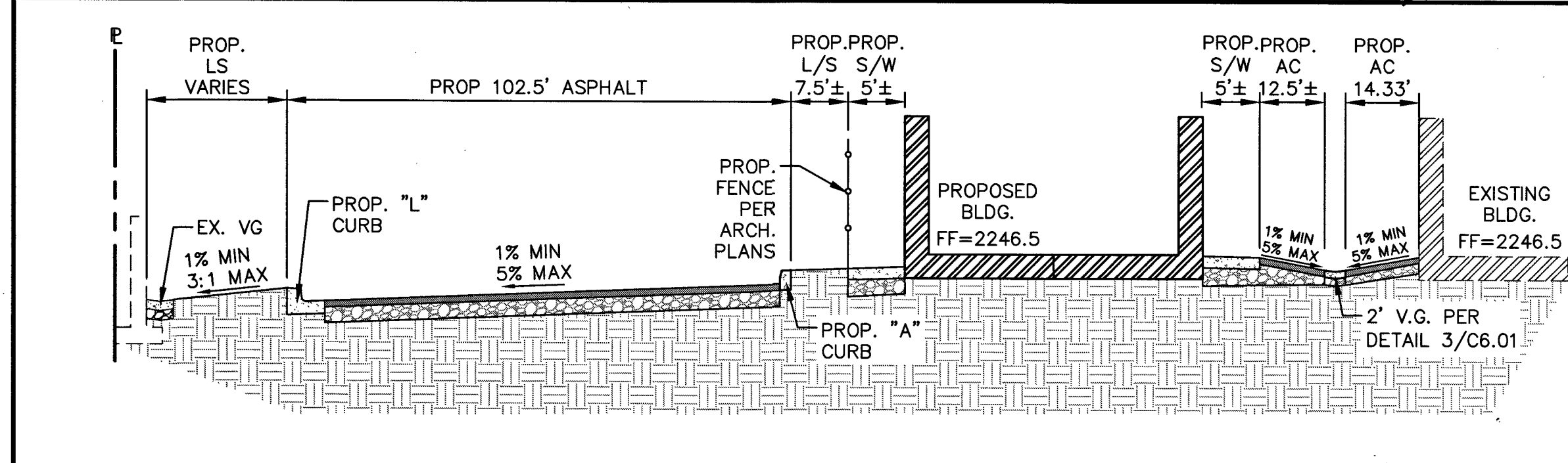
NOTE:

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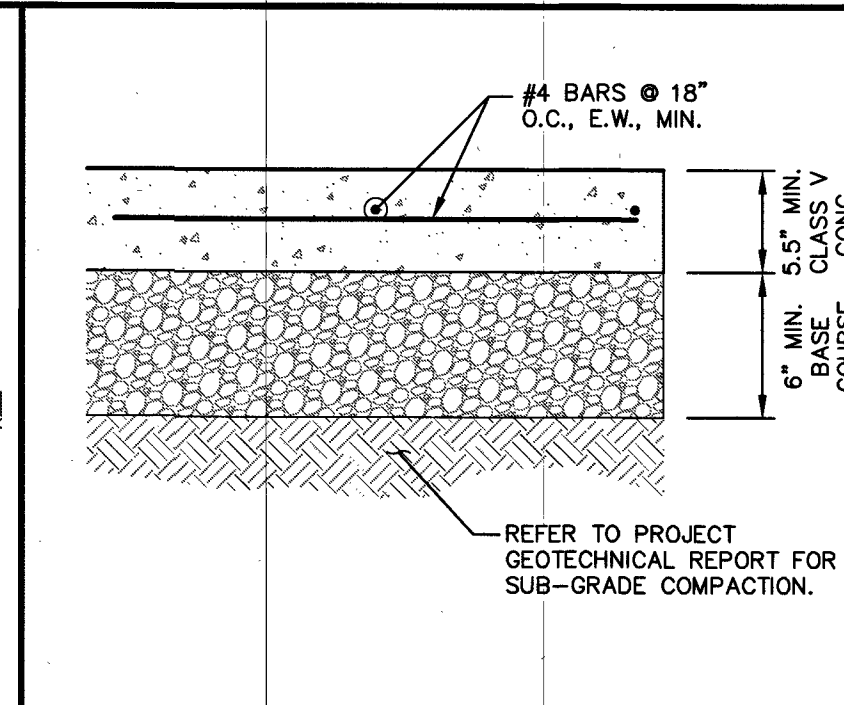
LEGEND	CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS	SHEET NO. C5.02 715-200 SHEET 150F 22 L18-00344
	PROPERTY LINE	SAWCUT LINE	EXISTING:	(---(2210)---								(12.34) BC			(1) = SANITARY SEWER (2) = STORM DRAIN (3) = ELECTRICAL (4) = TELEPHONE									
	ROW LINE	SCARP LINE	PROPOSED:	(2122)									12.34 BC											



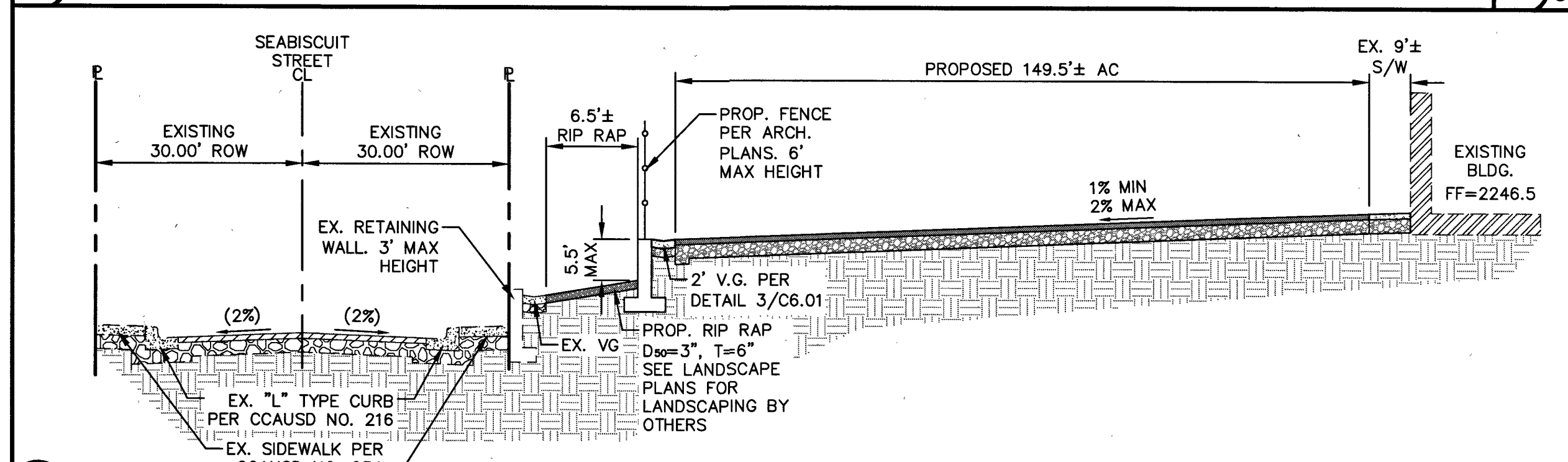
12 CURB OPENING NOT TO SCALE



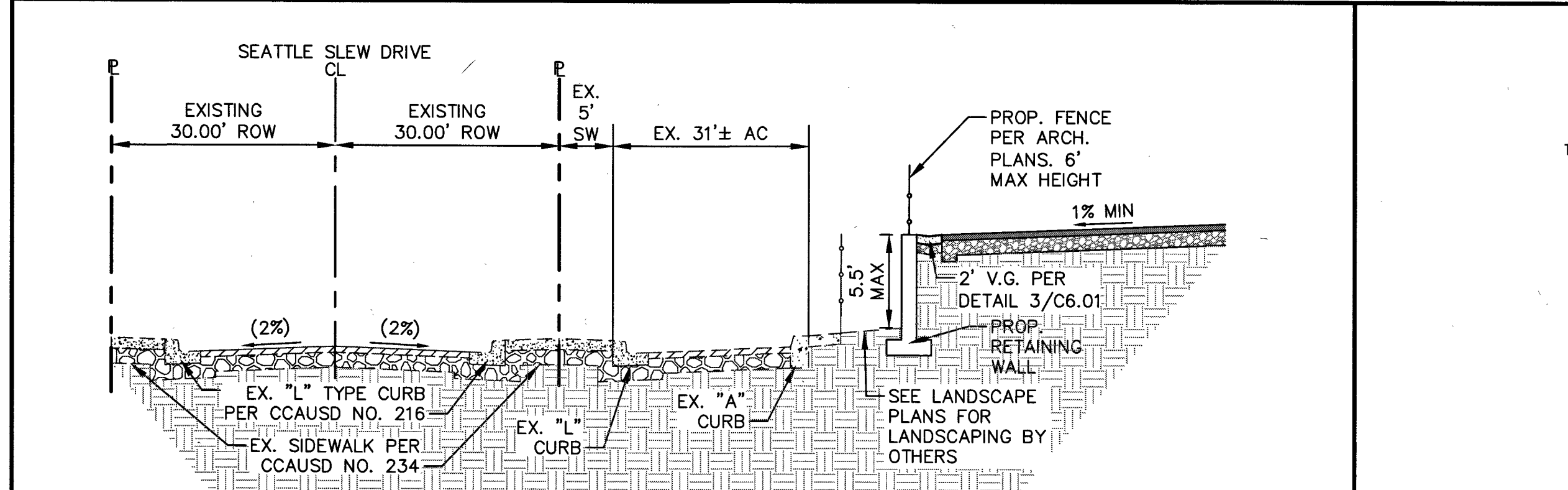
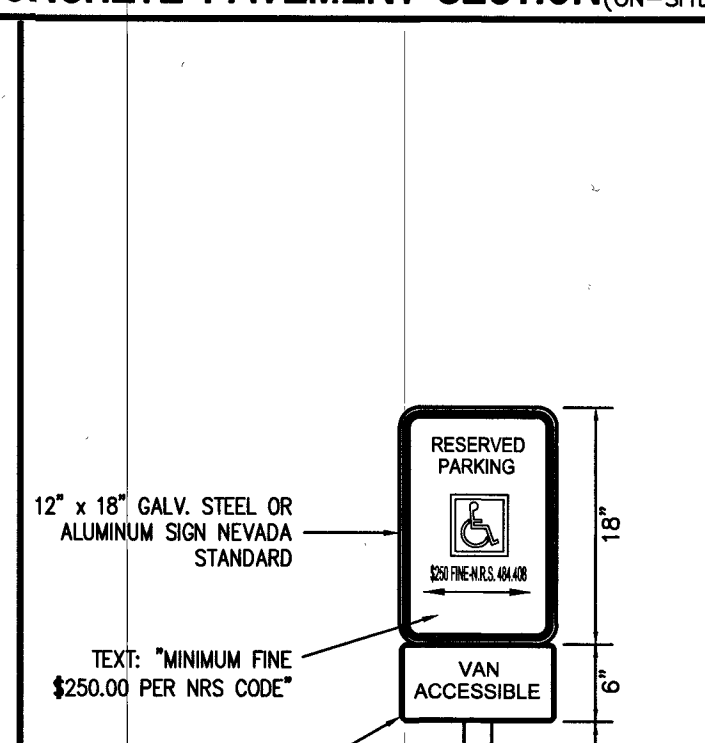
B NORTH SECTION NOT TO SCALE



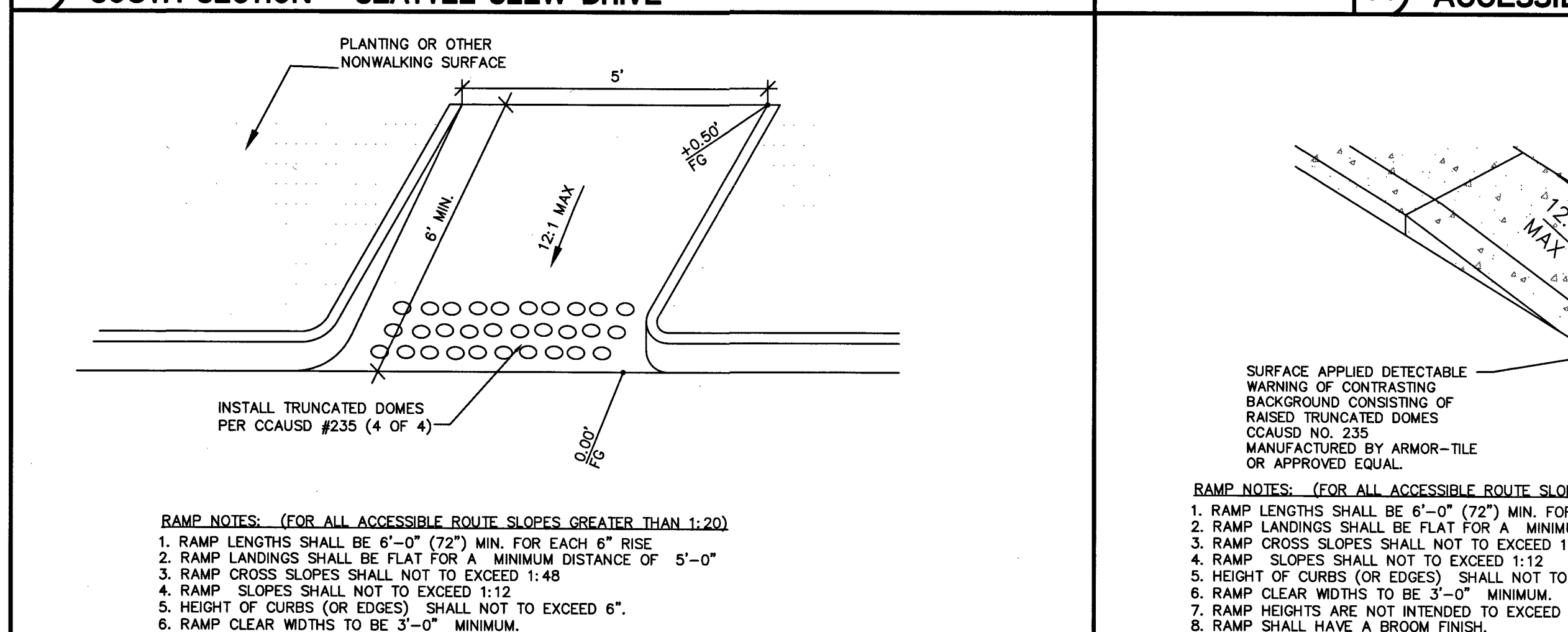
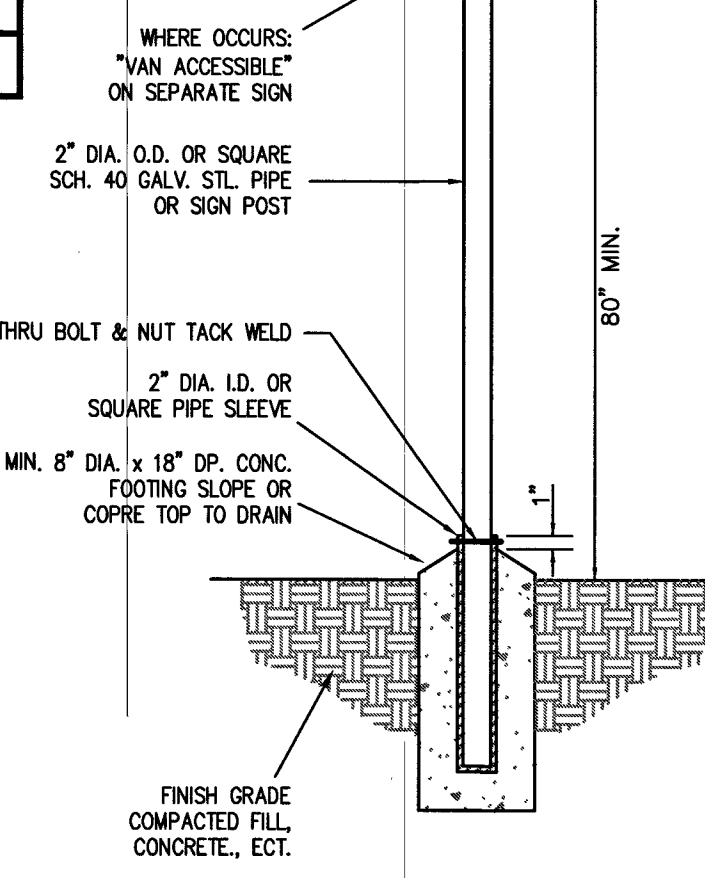
9 CONCRETE PAVEMENT SECTION (ON-SITE) NOT TO SCALE



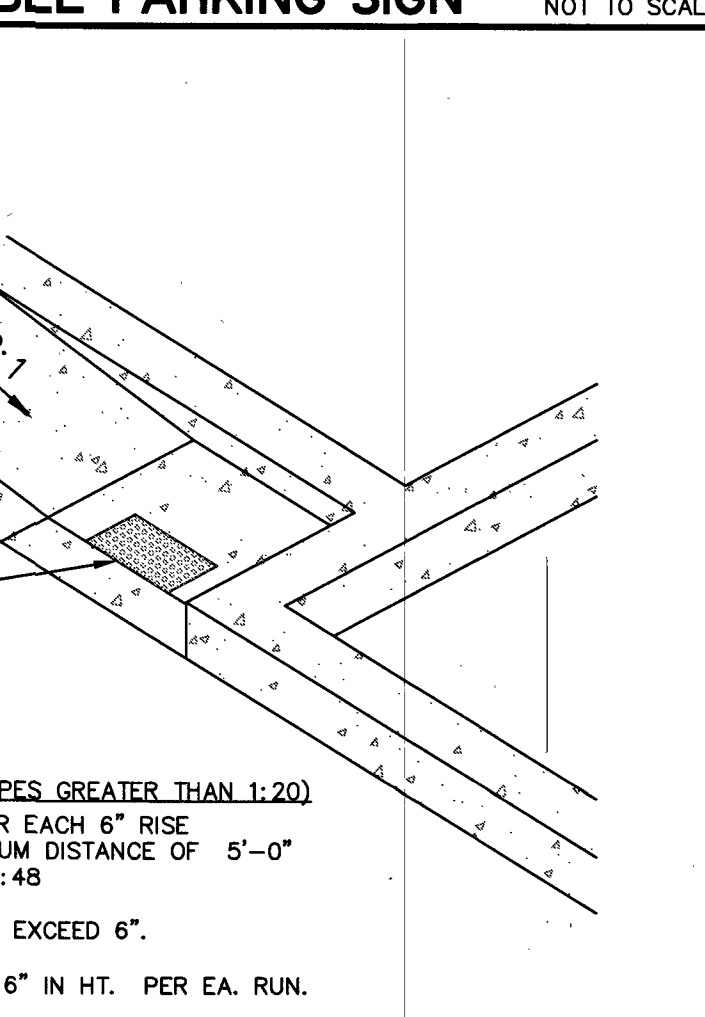
C EAST SECTION - SEABISCUIT STREET NOT TO SCALE



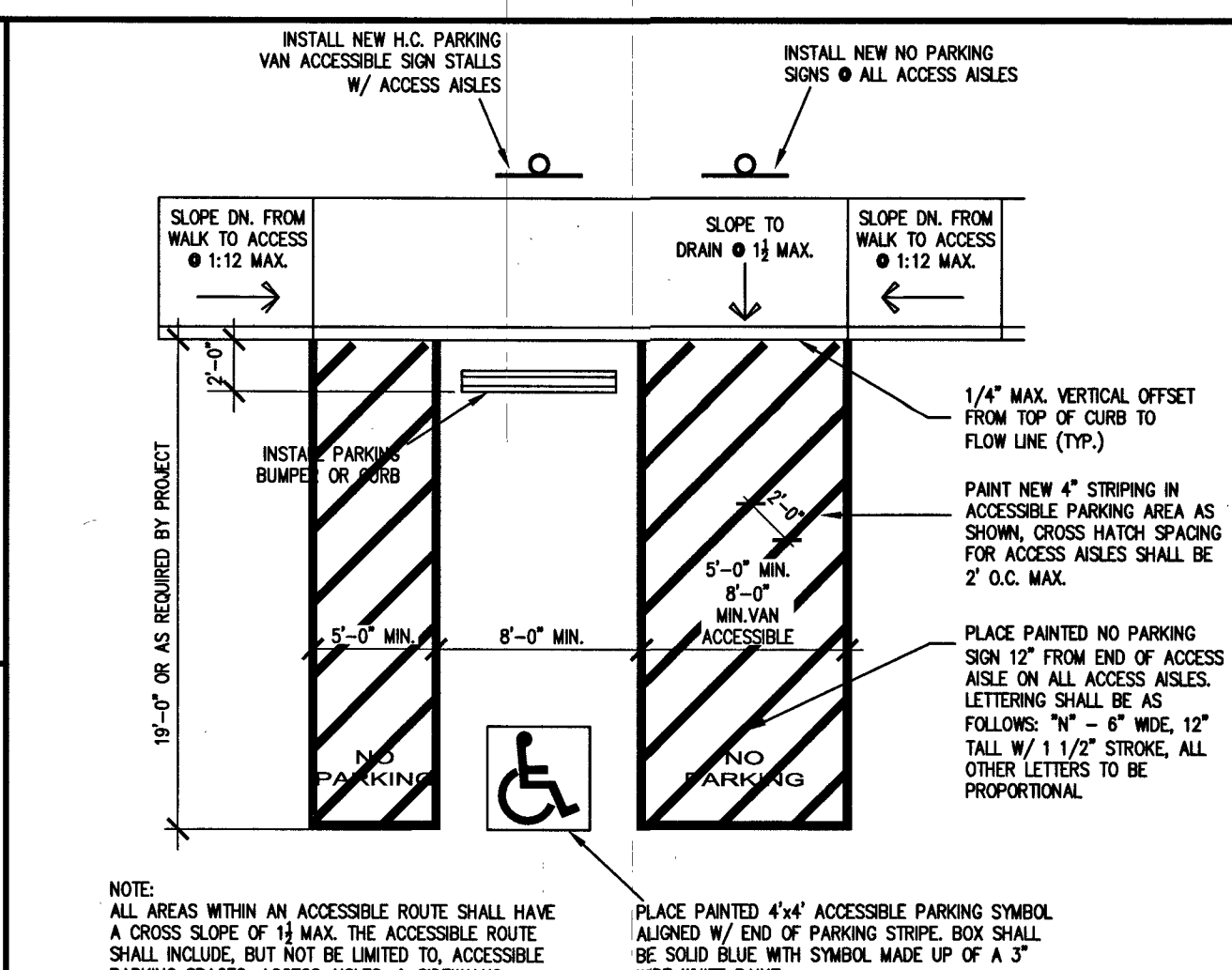
D SOUTH SECTION - SEATTLE SLEW DRIVE NOT TO SCALE



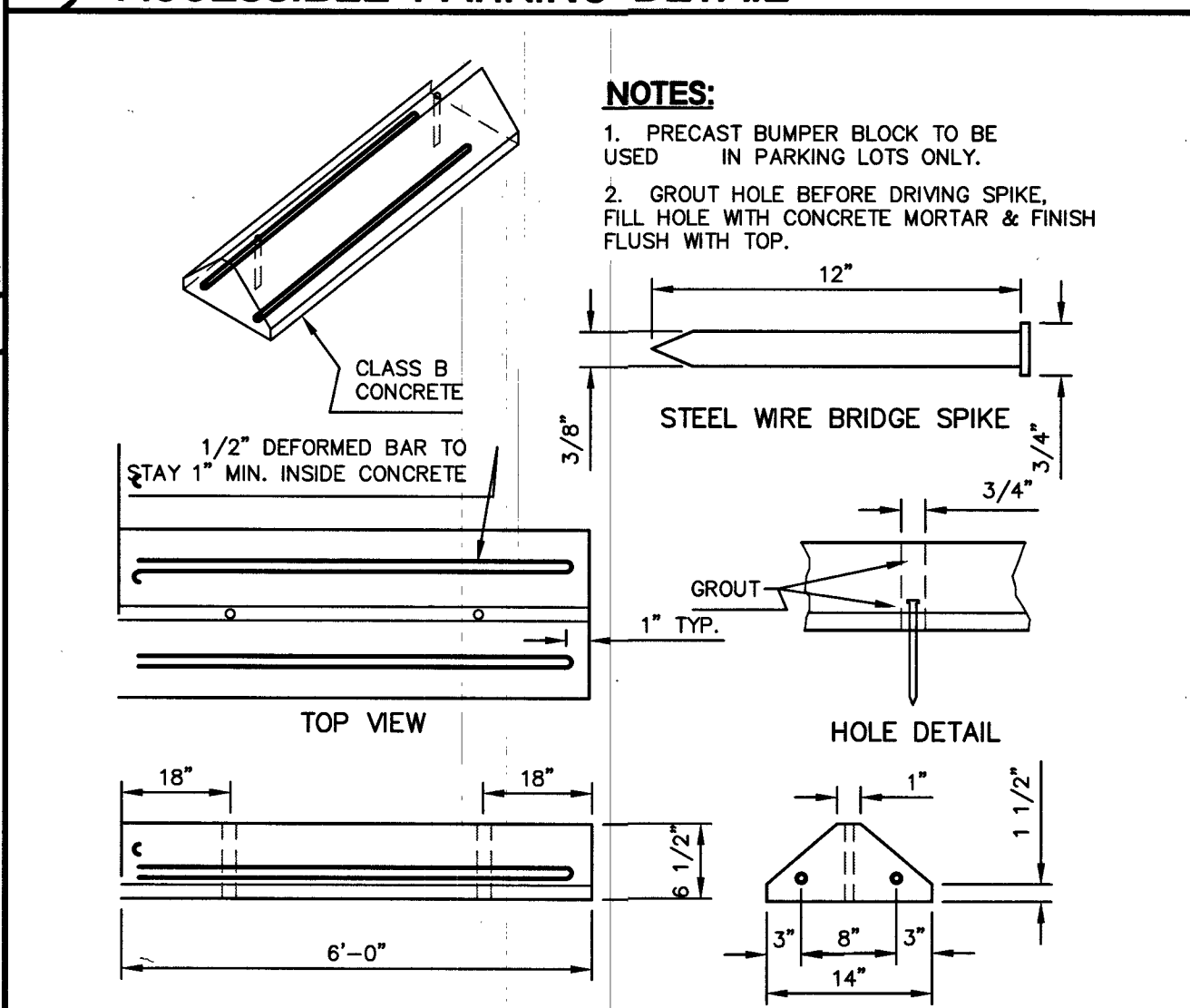
10 ON-SITE CURB RAMP NOT TO SCALE



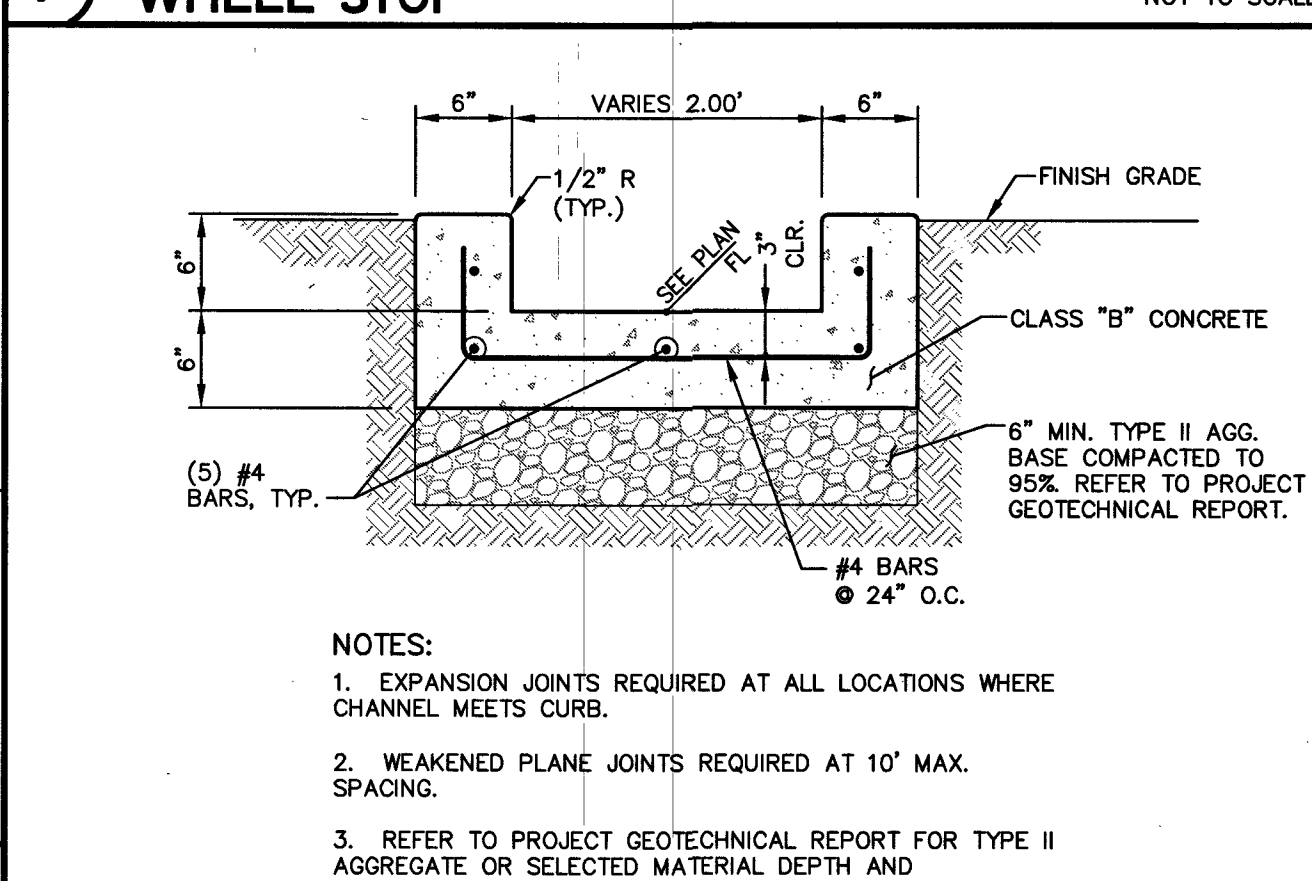
13 ON-SITE RAMP NOT TO SCALE



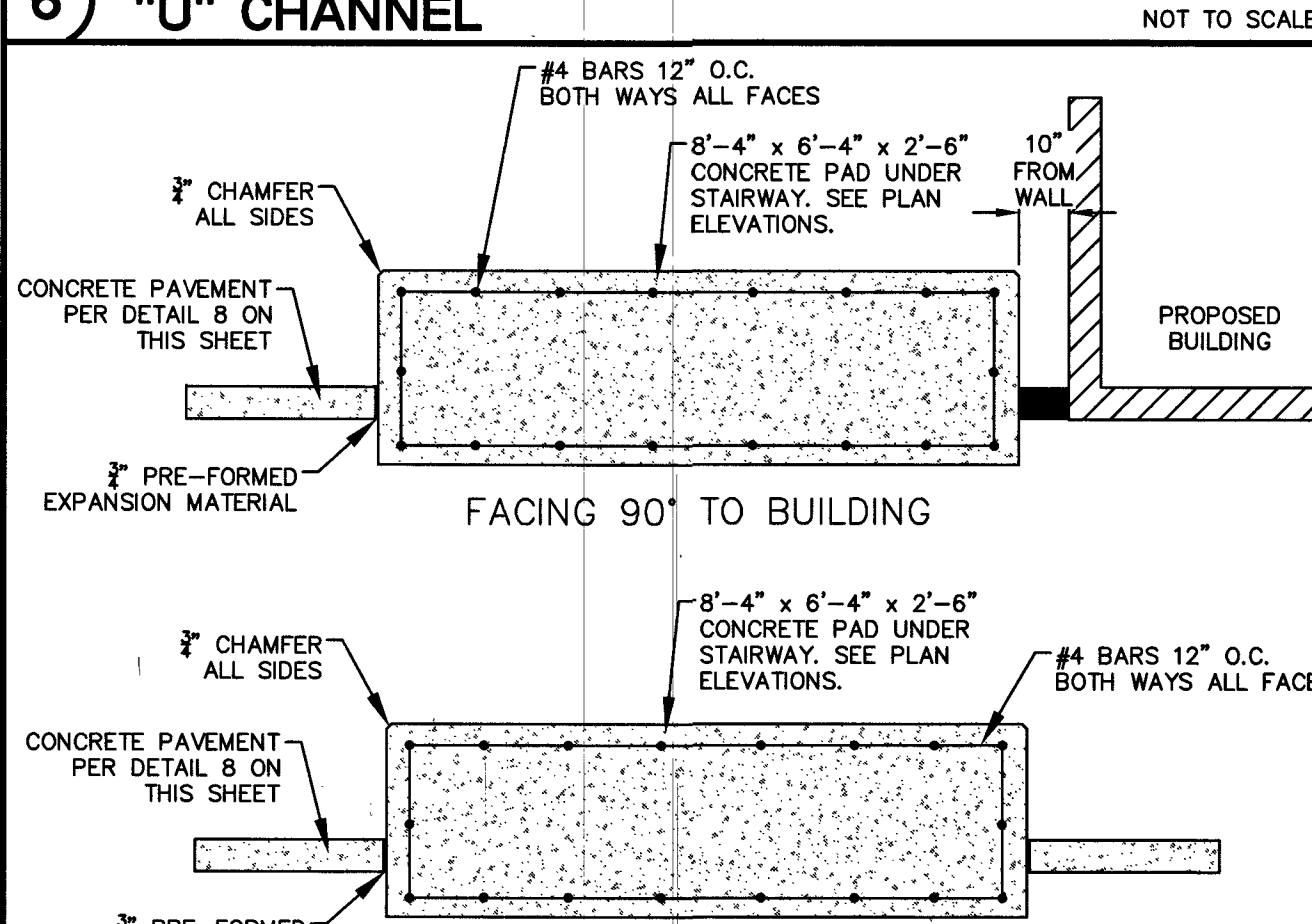
8 ACCESSIBLE PARKING DETAIL



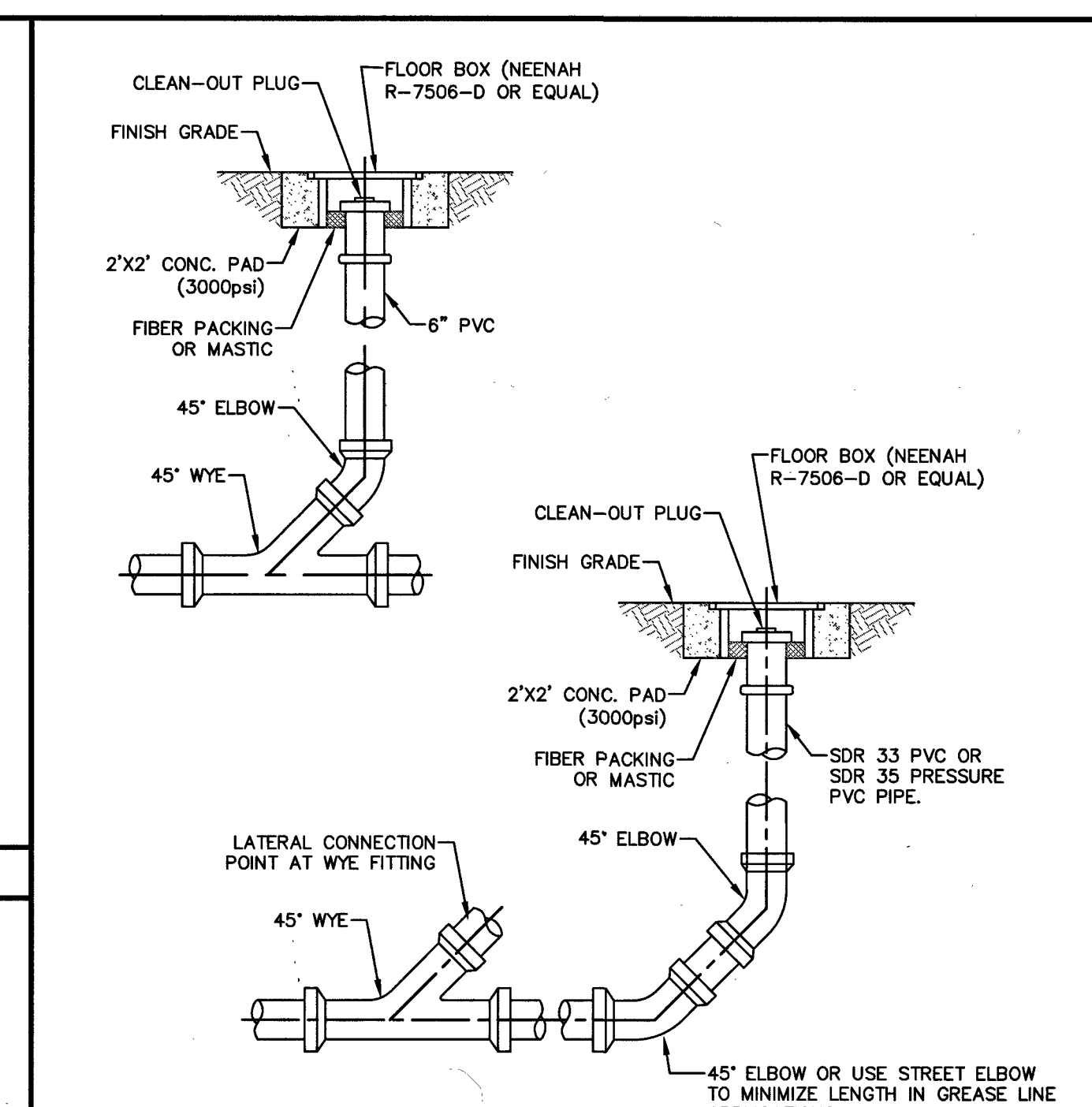
7 WHEEL STOP NOT TO SCALE



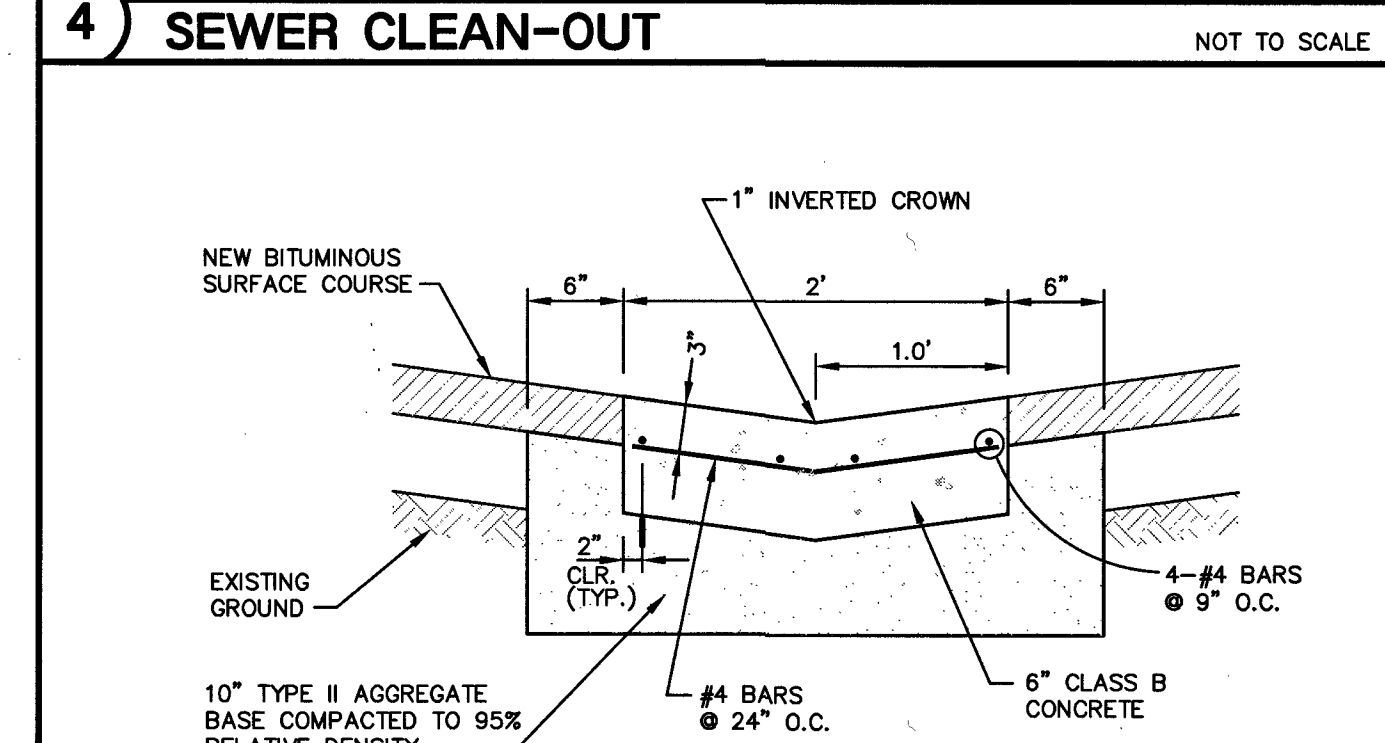
6 "U" CHANNEL NOT TO SCALE



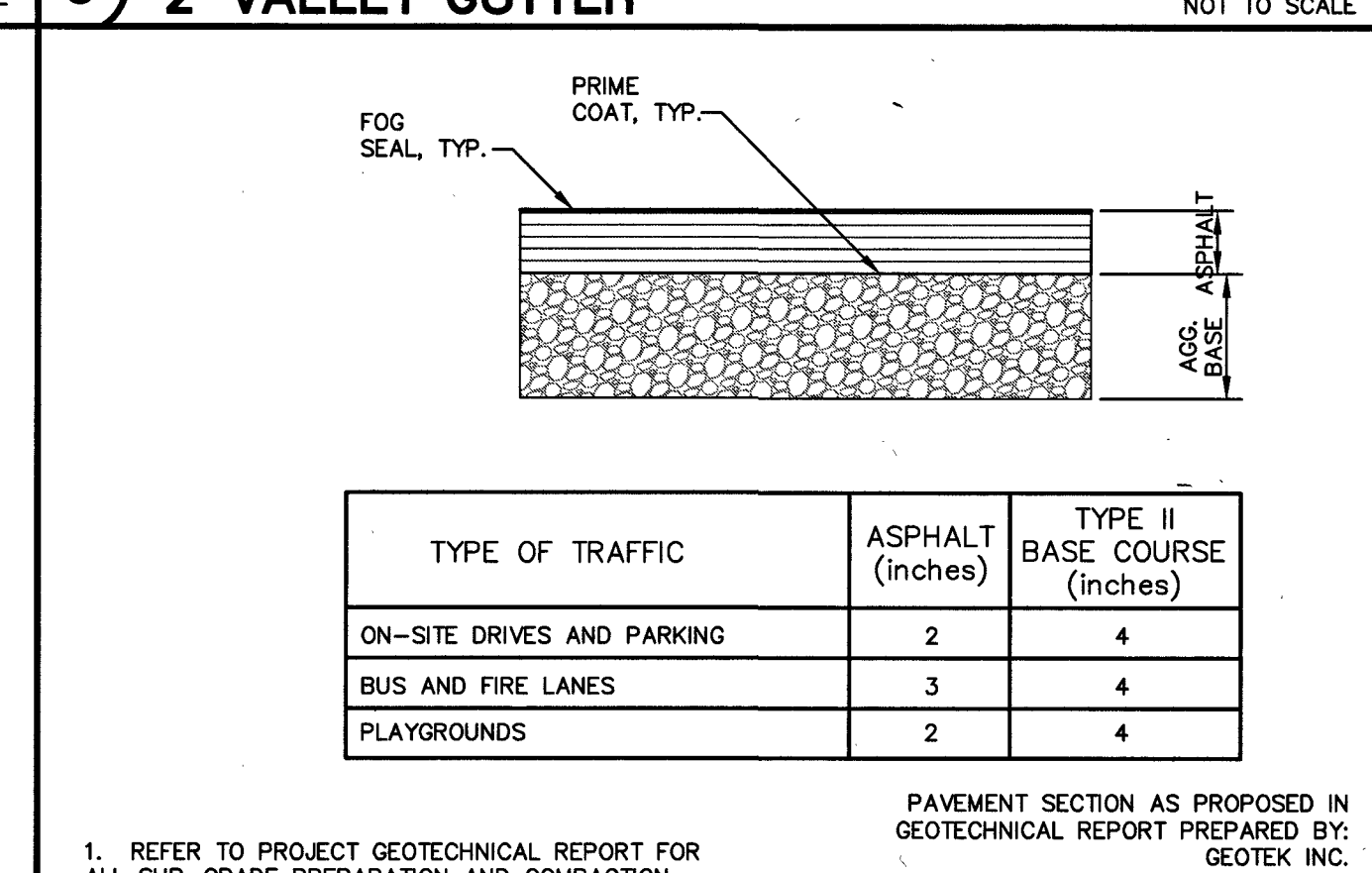
5 PROP. CONCRETE PAD UNDER STAIRWAY NOT TO SCALE



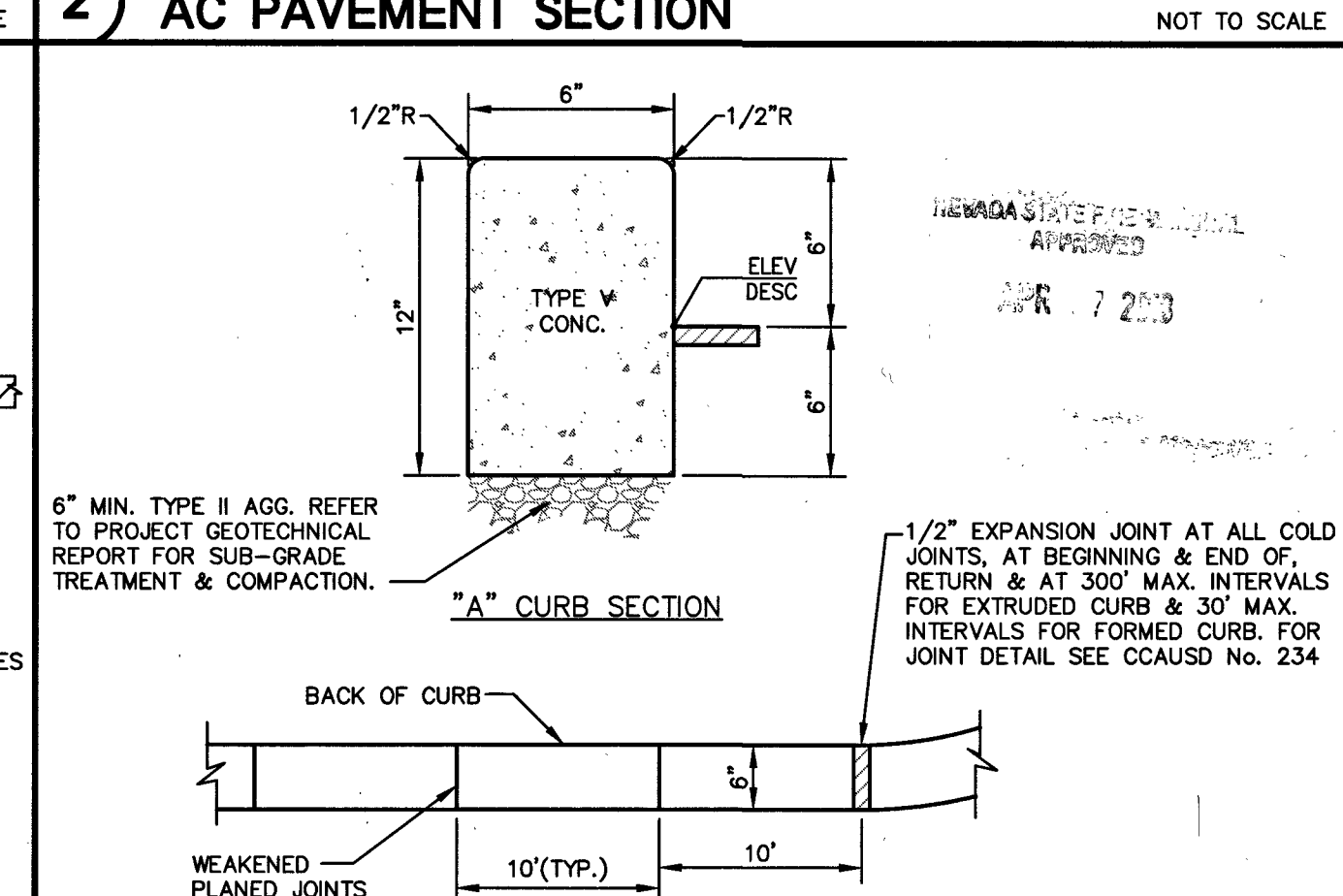
4 SEWER CLEAN-OUT NOT TO SCALE



3 2' VALLEY GUTTER NOT TO SCALE



2 AC PAVEMENT SECTION NOT TO SCALE



1 ON-SITE "A" TYPE CURB NOT TO SCALE

REVISIONS:

REV.	DESCRIPTION	DATE

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON NV 89074 PHONE: 702-799-8710

DORIS REED E.S. ADDITION
PROJECT: DORIS REED E.S. ADDITION
DRAWING TITLE: DETAIL SHEETS SHEET 1 OF 2
FACILITY: DORIS REED E.S. - LOCATION 360

Gensler
3883 Howard Hughes Pkwy
Suite 650
Las Vegas NV 89169
Tel: 702.893.2800
Fax: 702.893.2805

Lochsa Engineering
6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

Professional Engineer Seal:
GUY M. MORRIS
EXP. 12-31-19
No. 14526
03-20-18
DATE: 03-20-18
DRAWN BY: NMG
SUBMITTAL: CLV SUBMITTAL
PROJECT NO.: 171034

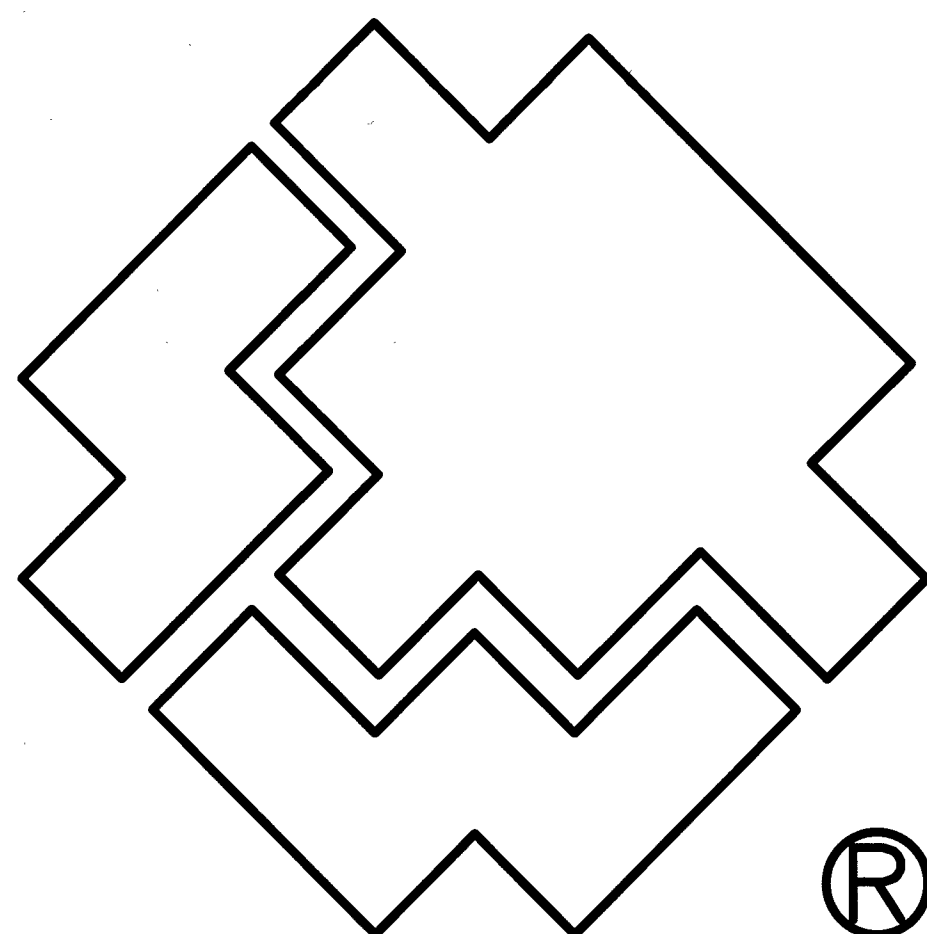
CONSTRUCTION MGMT. DATE:

BUILDING DEPARTMENT:

ASBESTOS WORK IS:
REQUIRED ☐ NOT REQUIRED ☐

MPID: 0013671

SHEET NO: C6.01
SHEET 16 OF 22
715-200 L18-00344



SOUTHWEST GAS CORPORATION

DORRIS M. REED ES ADDITION
CITY OF LAS VEGAS, NV
WR #3486168

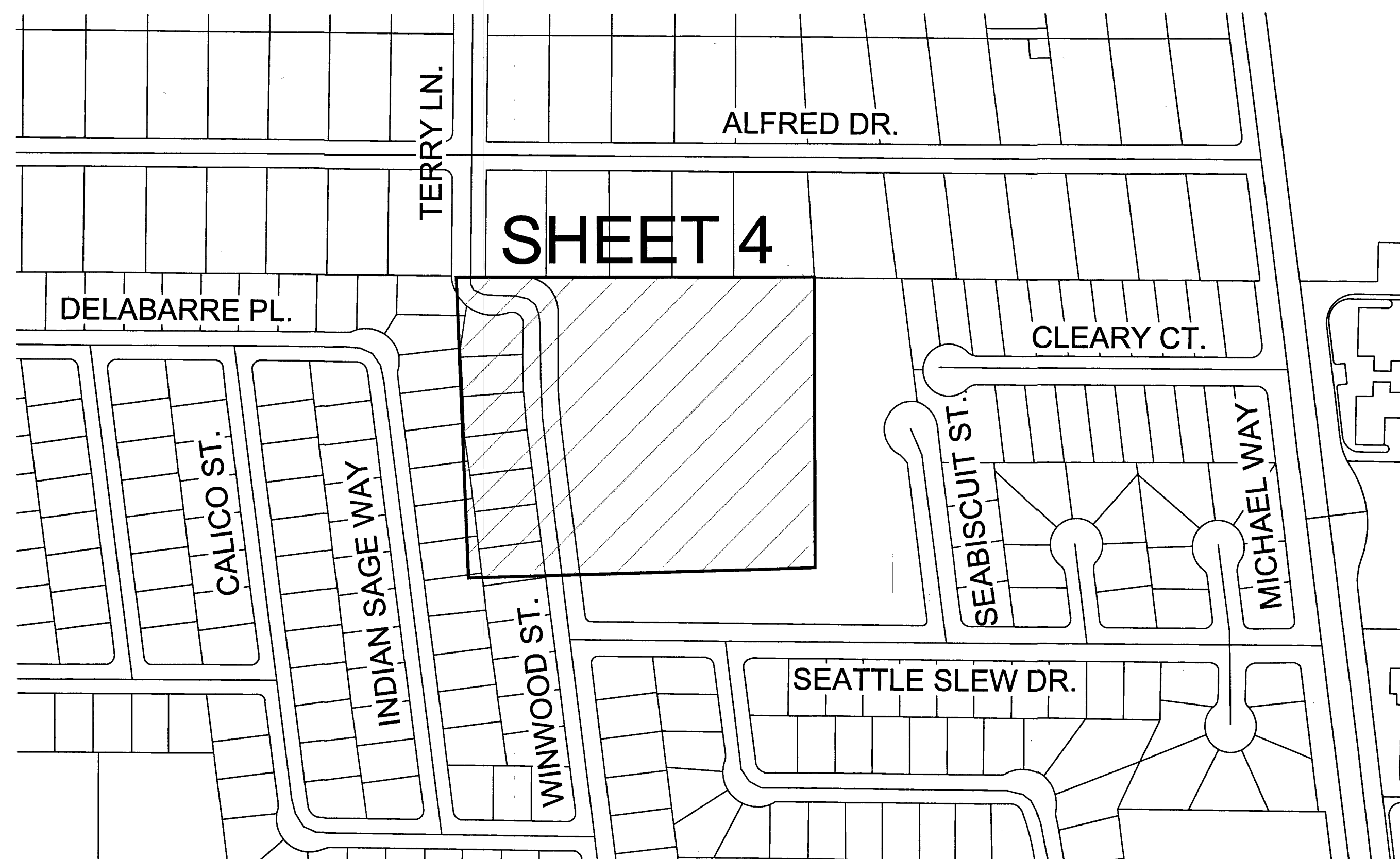
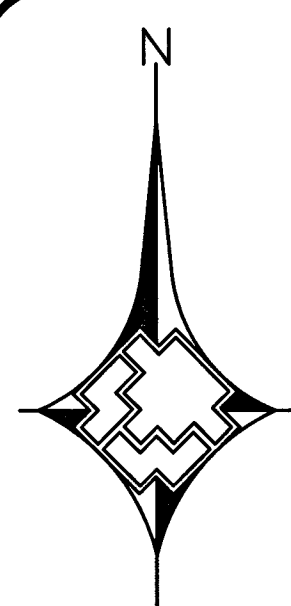
City of
Las Vegas

Total footage located in Public ROW 39'

APPROVED FOR CONSTRUCTION

THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV
EASEMENTS ONLY. OBTAINING PERMISSION OR
EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY
IS THE RESPONSIBILITY OF THE UTILITY.

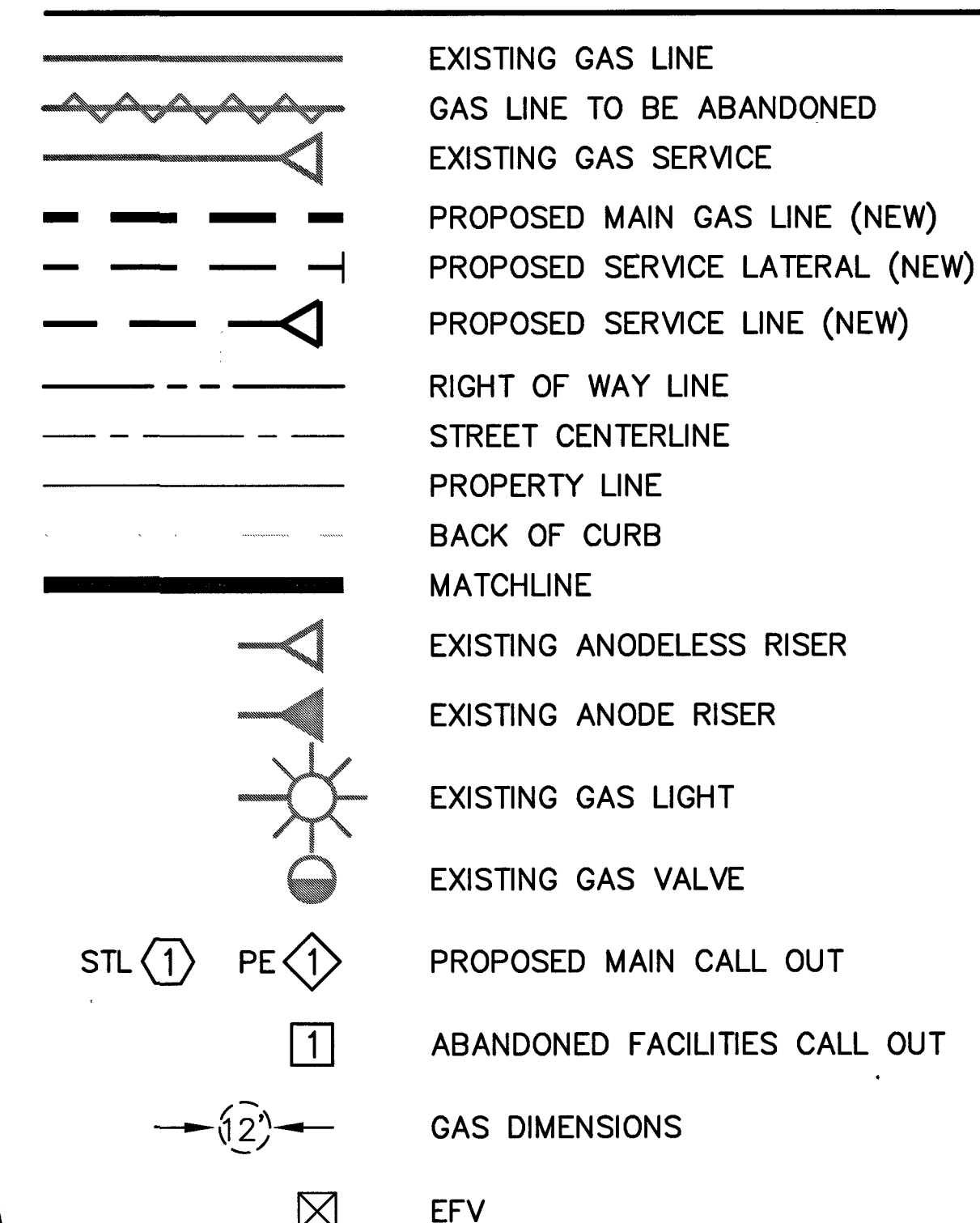
Approval	Date
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VICINITY MAP

NOT TO SCALE

LEGEND



SHEET INDEX

1. COVER SHEET
2. ABBREVIATIONS & NOTES
3. MATERIALS & SIGNATURES
4. DESIGN PLAN
5. TYPICAL SWPPP BMP DETAILS



Know what's **below**.
Call before you dig.

[illegible]

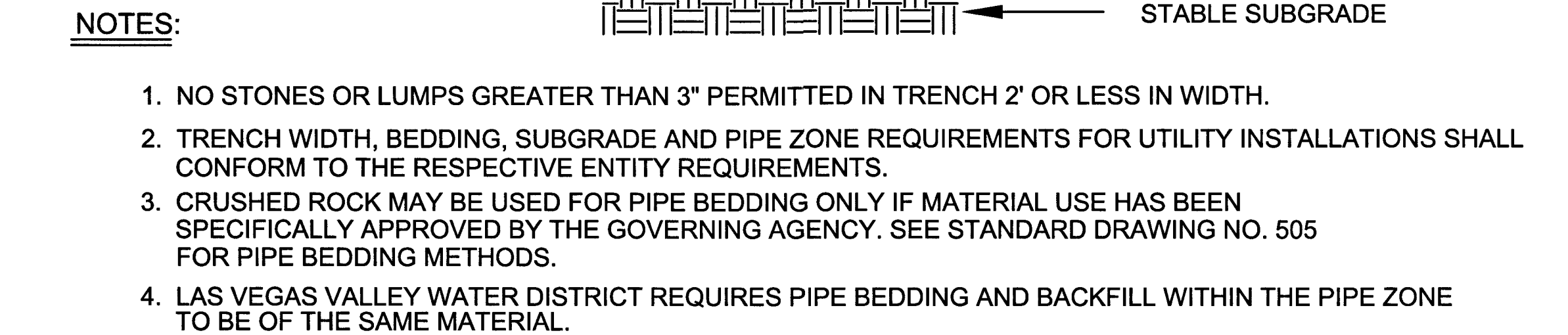
SOUTHWEST GAS CORPORATION

DORRIS M. REED ES ADDITION
COVER SHEET

SHEET 1 OF 5

715-200 418-0034
SHEET 18 OF 22

000 7186168



**Know what's below.
Call before you dig.**

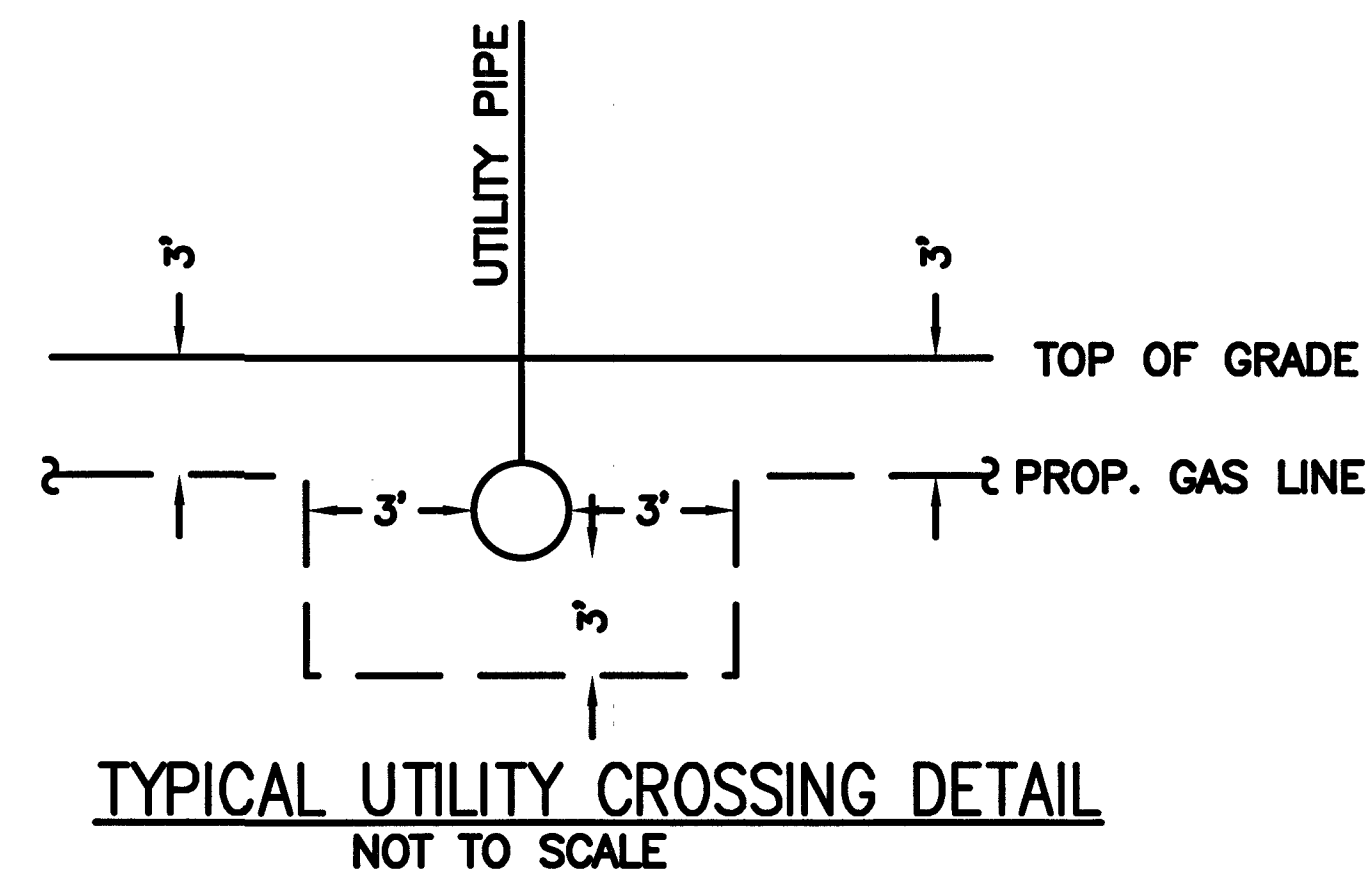
AB	ABANDONED	OC	ON CENTER
AC	ASPHALTIC CONCRETE	OD	OUTSIDE DIAMETER
ACP	ASBESTOS CEMENT PIPE	OH	OVERHEAD
AIM	AREA ISOLATION MODULE	OHP	OVERHEAD POWER
BLVD	BOULEVARD	P	POWER
BM	BENCHMARK	PAOP	POTENTIAL ALLOWABLE OPERATING PRESSURE
BMI	BLACK MOUNTAIN INDUSTRIAL	PCC	PORTLAND CEMENT CONCRETE
BO	BLOW OFF	PE	POLYETHYLENE PIPE
BTU	BRITISH THERMAL UNIT	PH	POT HOLE
BWC	BASIC WATER COMPANY	PHMSA	PIPELINE & HAZARDOUS MATERIALS SAFETY ADMINISTRATION
COBC	CITY OF BOULDER CITY	PL	PROPERTY LINE
CC	CLARK COUNTY	PIC	POTENTIAL IMPACT CIRCLE
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING	PLS	PRESSURE LIMITING STATION
CCRFGD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT	PP	POWER POLE
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	PQF	PREQUALIFIED FITTING
CIP	CAST IRON PIPE	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE		
CLV	CITY OF LAS VEGAS	RAM	RISK ASSESSMENT MODEL
CNLV	CITY OF NORTH LAS VEGAS	RC	REINFORCED CONCRETE
COH	CITY OF HENDERSON	RCP	REINFORCED CONCRETE PIPE
		SD	STORM DRAIN
DET	DETAIL	SDMH	STORM DRAIN MANHOLE
DI	DUCTILE IRON	SDR	STANDARD DIMENSION RATIO
DIA	DIAMETER	SF	SQUARE FOOT
DIMP	DISTRIBUTION INTEGRITY MANAGEMENT PROGRAM	SHT	SHEET
DNR	DOES NOT REGISTER	SHP	STEEL HIGH PRESSURE PIPE
DWG	DRAWING	SMYS	SPECIFIED MAXIMUM YIELD STRENGTH
		SNWA	SOUTHERN NEVADA WATER AUTHORITY
EFV	EXCESS FLOW VALVE	SS	SANITARY SEWER
EG	EXISTING GROUND	SST	STAINLESS STEEL
EHDD	EFFECTIVE HEATING DEGREE DAY	ST	STREET
ELEC	ELECTRICAL	STA	STATION
ELEV	ELEVATION	STD	STRENGTH TEST DRAWING
EMRS	ELECTRONIC MAPPING RECORDS SYSTEM	STL	STEEL
EPR	ELECTRONIC PRESSURE RECORDERS	SWG	SOUTHWEST GAS
ESMT	EASEMENT		
EX	EXISTING		
		TEL	TELEPHONE
FERC	FEDERAL ENERGY REGULATORY COMMISSION	TB	THRUST BLOCK
FOS	FACILITY OUT OF SERVICE	TOP	TOP OF PIPE
FH	FIRE HYDRANT	TP	TEST POINT
		TRIMP	TRANSMISSION INTEGRITY MANAGEMENT PROGRAM
GIR	GAS INFRASTRUCTRE REPLACEMENT		
GPR	GAS PRESSURE REGULATOR		
HCA	HIGH CONSEQUENCE AREA		
HDD	HEATING DEGREE DAY	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
HP	HIGH PRESSURE	UOC	UNUSUAL OPERATING CONDITIONS
HERS	HOME ENERGY RATING SYSTEM	UOP	UNIT OF PROPERTY
HOP	HISTORIC OPERATING PROCEDURE	UPRR	UNION PACIFIC RAILROAD
HVTT	HIGH VOLUME TAPPING TEE	USD	UNIFORM STANDARD DRAWING
ID	INSIDE DIAMETER		
IN	INCH(ES)		
IPS	IRON PIPE SIZE	VCP	VITRIFIED CLAY PIPE
IS	IDENTIFIED SITE	VERT	VERTICAL
		VG	VALLEY GUTTER
JT	JOINT TRENCH	VSP	VINTAGE STEEL PIPE
KRG	KERN RIVER GAS COMPANY		
LDCPE	LARGE DIAMETER COILED POLYETHYLENE PIPE		
LVVWD	LAS VEGAS VALLEY WATER DISTRICT		
		W	WATER
MAOP	MAXIMUM ALLOWABLE OPERATING PRESSURE	WMS	WORK MANAGEMENT SYSTEM
MCFH	THOUSAND CUBIC FEET PER HOUR	WR	WORK REQUEST
MH	MANHOLE	WT	WALL THICKNESS
MOP	MAXIMUM OPERATING PRESSURE	WV	WATER VALVE
MSA	METER SET ASSEMBLY		
MVP	MAPPING VERIFICATION PROCEDURE	YD	YARD(S)
NAP	NOT A PART		
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION		
NTSB	NATIONAL TRANSPORTATION SAFETY BOARD		
NTS	NOT TO SCALE		

1. SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES LOCATE IN FIELD.
2. ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS.
3. DO NOT SCALE THIS DRAWING.
4. SEE AC'S FOR SERVICE REPLACEMENT.
5. CHANGE IN PROPOSED MAIN LOCATION MUST BE AUTHORIZED BY SWG ENGINEER PRIOR TO INSTALLATION.
6. GAS MAINS SHALL BE PURGED PER OPERATIONS MANUAL.
7. ABANDONED SERVICE NO ACTION REQUIRED.
8. REPLACE ALL ACTIVE SERVICES INCLUDING AA, PVC, M7000 PE, M8000 PE, EXCEPT WHERE EXISTING M8100 PE SERVICES ARE VERIFIED, INSPECTED, AND APPROVED FOR TIE-OVER BY SWG INSPECTOR.
9. EXISTING SERVICES, VERIFICATION, AND INSPECTION REQUIRED FROM MAIN TO RISER. TIE INTO NEW MAIN IF APPROVED BY SWG INSPECTOR. REPLACE ALL AA, PVC, M7000 PE, AND M8000 PE SERVICES. M8100 PE SERVICES TO BE VERIFIED, INSPECTED AND APPROVED BY SWG INSPECTOR.
10. EXISTING SERVICE, UNKNOWN TYPE, SIZE, AND LOCATION TO BE VERIFIED.
11. REPLACEMENT SERVICES TO BE SINGLE OR BRANCHED. NO CROSS-LOT REPLACEMENT SERVICES PERMITTED.
12. REPLACE ALL ANODE RISERS WITH ANODELESS RISERS.
13. ALL EXISTING UTILITY LOCATION TO BE VERIFIED PRIOR TO START OF CONSTRUCTION.
14. CONTACT ENGINEERING FOR BYPASS INFORMATION.
15. ALL MAIN TIE-INS REQUIRING TEES ARE TO BE FULL-FLOW TEES UNLESS OTHERWISE STATED.
16. ALL SHORING REQUIREMENTS SHALL CONFORM TO APPLICABLE PORTIONS OF THE OPERATIONS MANUAL.
17. REQUEST FOR SURVEYING AND/OR STAKING WILL BE SUBMITTED TO ENGINEERING 72 HOURS IN ADVANCE, MINIMUM.
18. TRENCHING AND PAVEMENT REPLACEMENT SHALL CONFORM WITH RTC STANDARD 503, 500.5, AND UNIFORM STANDARD SPEC SECTION 208.

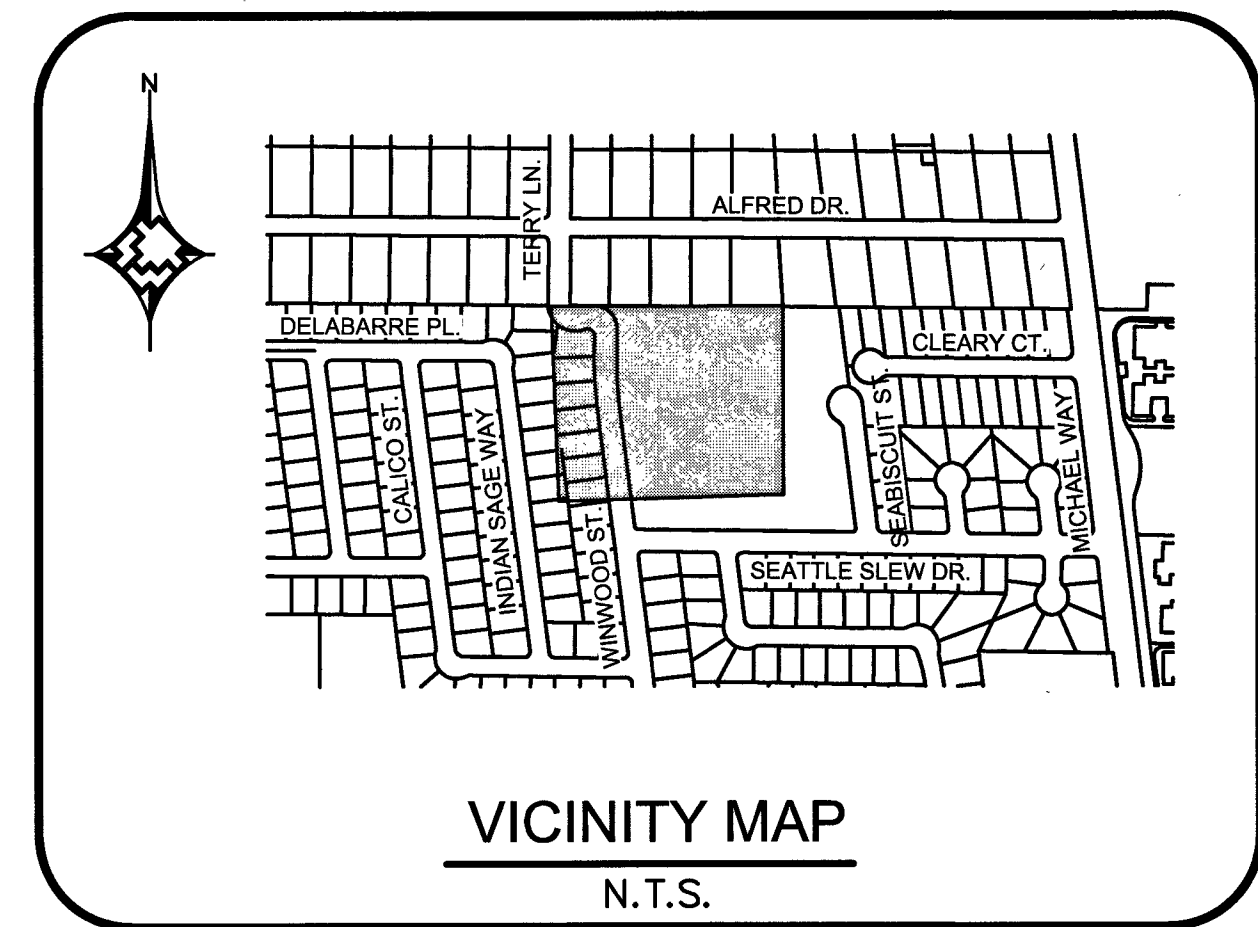
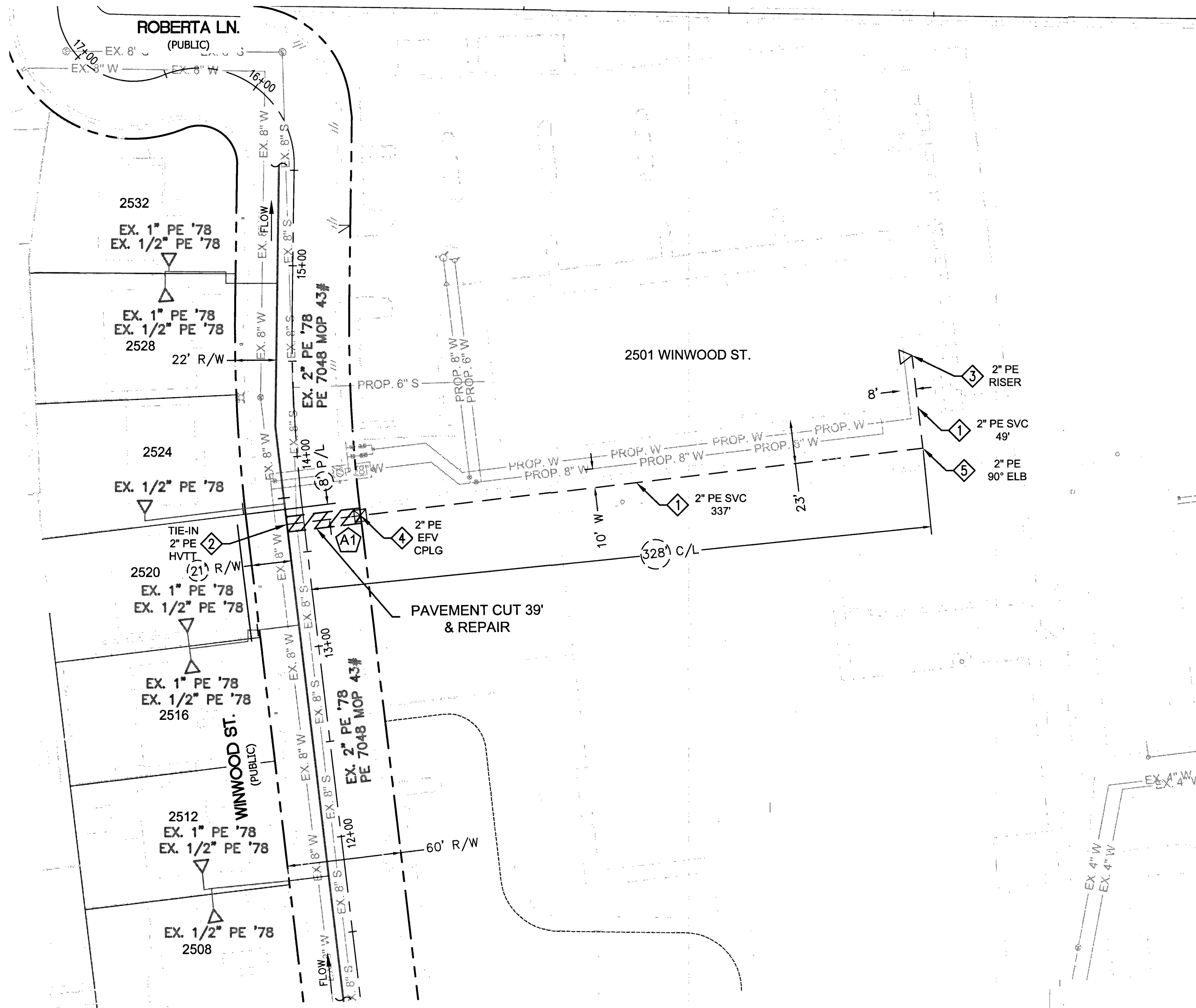
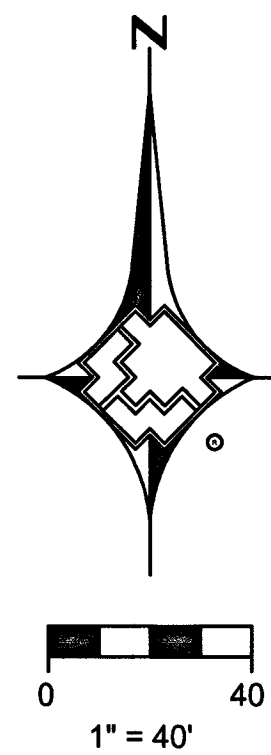
A2 503

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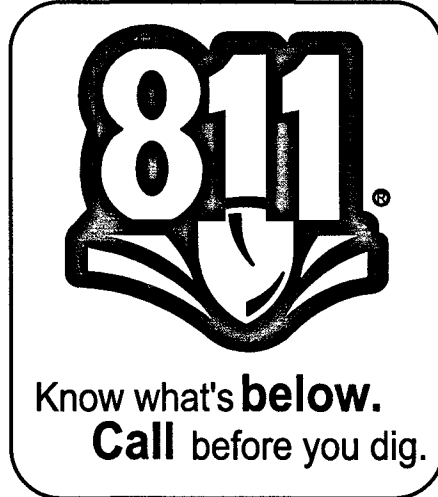
MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
1	386'		100-5101	2" PE SERVICE
2	1		160-8171	2" PE HVTT
3	1		161-7661	2" PE RISER
4	1		160-9271	2" PE COUPLING W/ 5500 EFV
5	1		140-3067	2" PE 90 DEGREE ELBOW



44
DOC_3486168



MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES		
ITEM#	STOCK ID#	DESCRIPTION
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5	140-3067	2" PE 90 DEGREE ELBOW



RTC NOTES:
PAVEMENT REPAIR SHALL CONFORM TO RTC:
A1 500.5
A2 503

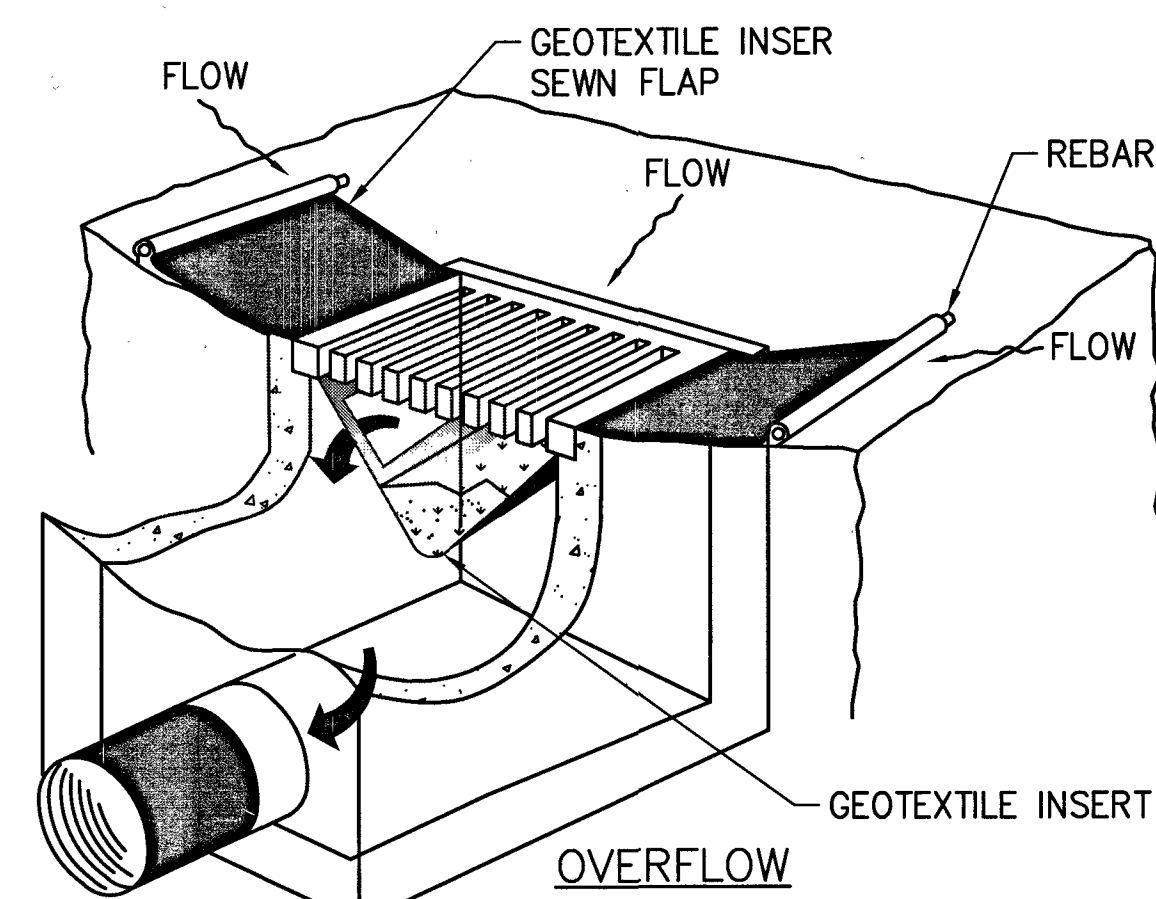
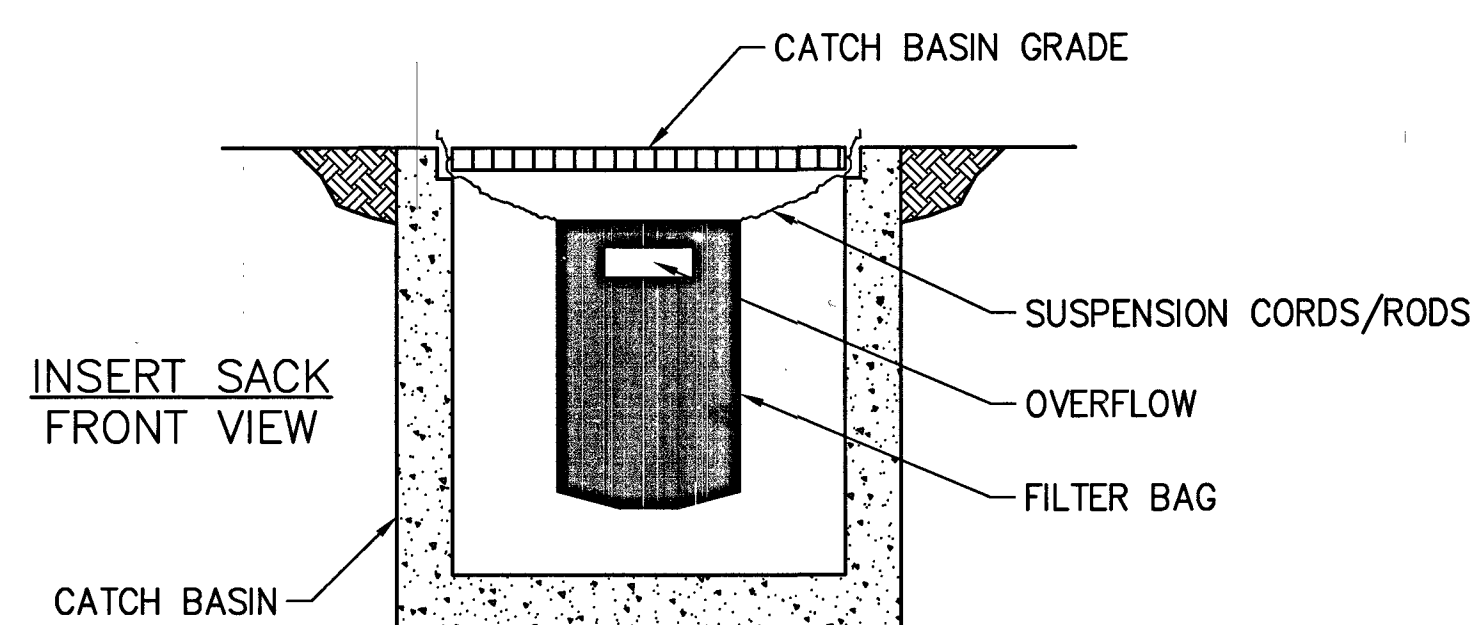
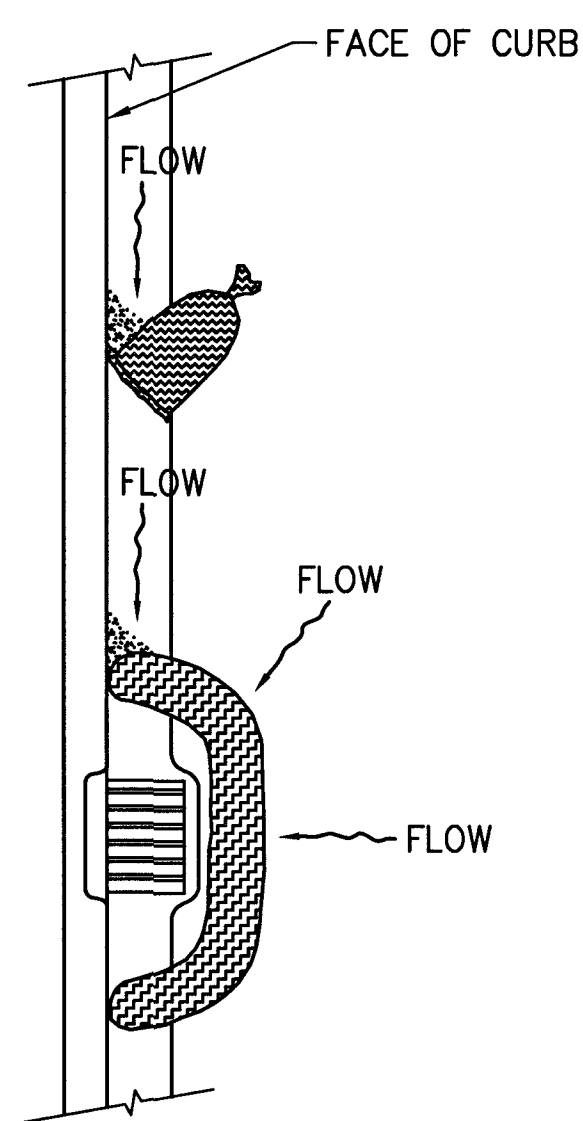
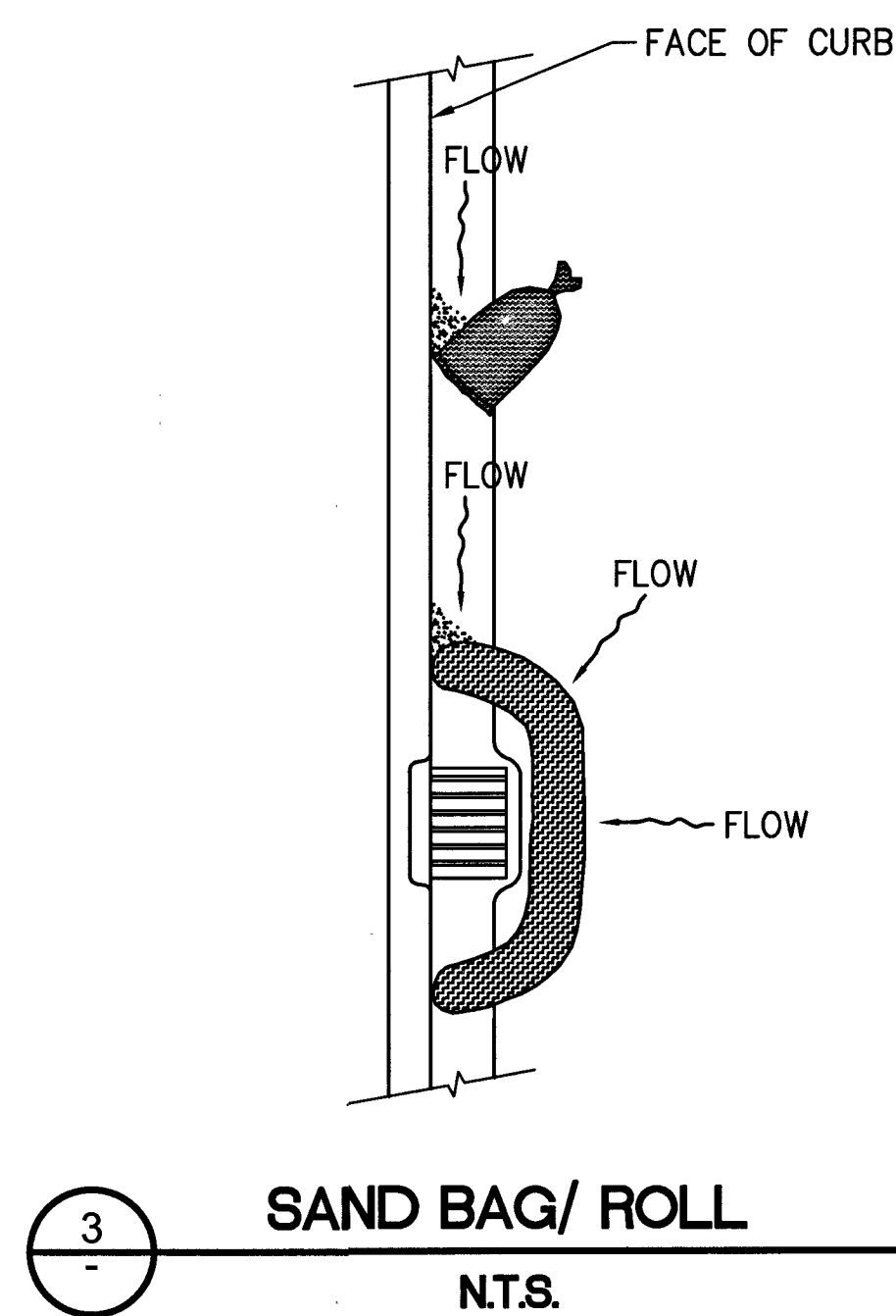
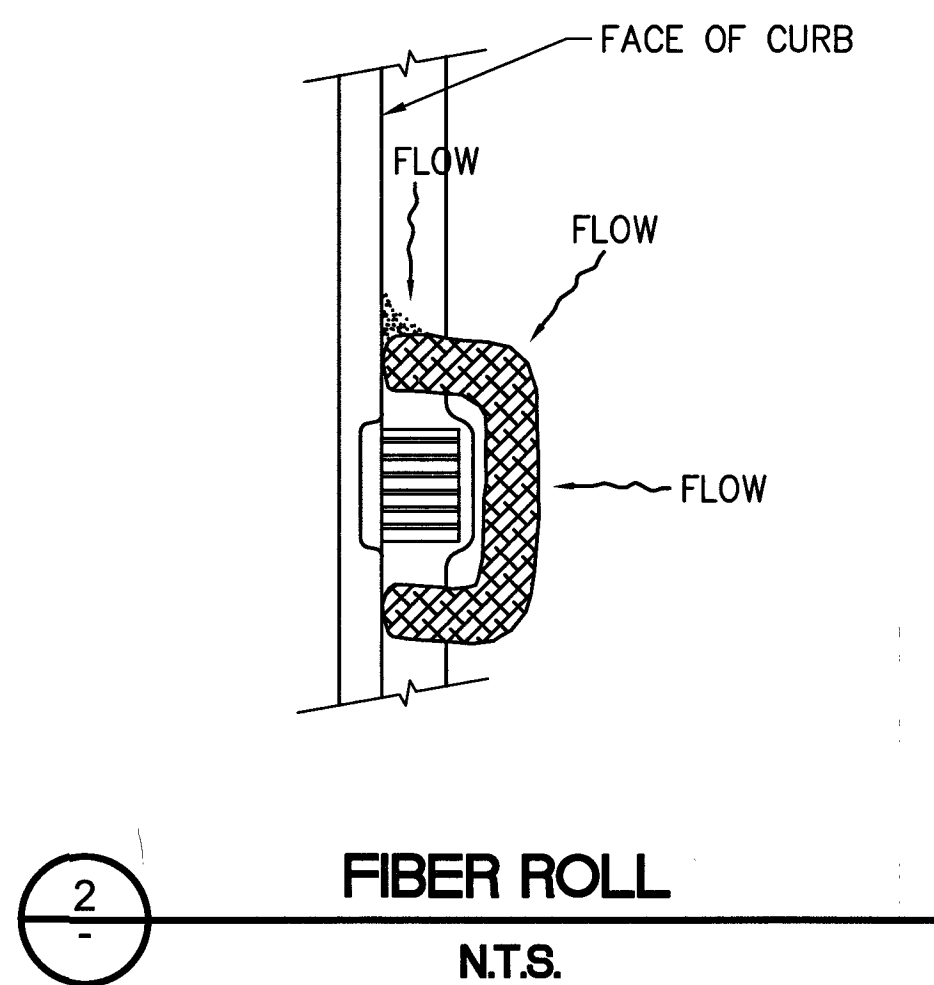
1. 2. 3. 4. NO. DESCRIPTION BY DATE APPVD.				AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. PIPE LENGTH PIPE TYPE MIN. DURATION TEST MEDIUM TEST METHOD AIR NITROGEN WATER SOAP GAUGE CHART GAUGE/ PRESS REC SNR TEST PRES. (PSIG) TIME DATE PERFORMED BY START END				VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED NAME DATE INSPECTOR FOREMAN REVIEWED BY				CONSTRUCTION PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0200		ISOLATION AREA ISO_21_DIST_013 LOCATION S 13 T20S R60E M.D.M.		W.R. NO. 3497848 ATLAS #/TILE # x606y530		ENGINEER/TECHNICIAN DAVID FRIEDLANDER PHONE 702-365-2203 ACCOUNT REP. MICHAEL COOPER PHONE 702-365-2580 PROJECT CONTACT CHRIS FENTON PHONE 702-893-2868 SHEET NO. 4 OF 5 SCALE: 1"=40' DATE 11/1/2017 DWN. BY SEI CHKD. BY APPVD. BY TITLE DORRIS M. REED ES ADDITION DESIGN PLAN SHEET 4 OF 5			
REVISIONS				PROPERTY UNITS TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED				SHEET 3				SHEET 3		SHEET 3		SHEET 3		SHEET 3		SHEET 3	



DOC 3486168

SWPPP NOTES

1. SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL INSTALL ONE OF THE APPROPRIATE BMPS FOR THE PROTECTION OF EXISTING STORM DRAIN INLETS, WITHIN OR SIGNIFICANTLY NEAR ANY IMPROVED RIGHT-OF-WAY, FROM DEBRIS AND SEDIMENT RESULTING FROM CONSTRUCTION OF NATURAL GAS FACILITIES.
2. SOUTHWEST GAS CORPORATION, IT'S 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 CLARK COUNTY 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, USING BEST MANAGEMENT PRACTICES DETAILED ON THIS SHEET.
3. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE LISTED BMPS ON THIS SHEET DO NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CLARK COUNTY CODE - CHAPTER 24.40/STORM SEWER SYSTEM DISCHARGE AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
4. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.



NOTE:
RECESSED CURB INLET MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS.
SIZE OF FILTER FABRIC INLET SACK TO BE DETERMINED BY MANUFACTURER.



NOTE:

1. CONTRACTOR IS TO CLEAN DRAIN INLET FILTER AFTER EVERY STORM.
2. CONTRACTOR IS TO REMOVE FABRIC JUST PRIOR TO PAVING.

SWPPP NOTES

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Know what's **below**.
Call before you dig.

[illegible]

AS-BUILT DRAWING-PRESSURE TEST DATA			
		TEST MEDIUM	TEST METHOD
PIPE DIA. _____		☐ AIR	☐ GAUGE
PIPE LENGTH _____		☐ NITROGEN	☐ CHART
PIPE TYPE _____		☐ WATER	☐ GAUGE/
MIN. DURATION _____		☐ SOAP	PRESS REC SN# _____
		START _____	END _____
TEST PRES. (PSIG) _____			
TIME _____			
DATE _____			
PERFORMED BY _____			

VISUAL INSPECTION CERTIFICATION	
I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED	
NAME _____	DATE _____
_____	_____
_____	_____
_____	_____
AS-BUILTS ACCEPTED BY _____ DATE _____	
POSTED BY _____ DATE _____	
POSTING QC'D BY _____ DATE _____	

CONSTRUCTION	
INSPECTOR	_____
FOREMAN	_____
REVIEWED BY	_____
PERMIT INFORMATION	
CITY OF LAS VEGAS	
TAX CODE 02-0200	

ISOLATION AREA	W.R. NO.
ISO_21_DIST_013	3486168
LOCATION	ATLAS #/TILE #
S 13 T20S R60E	x606y530
M.D.M.	

ENGINEER/TECHNICIAN	DAVID FRIEDLANDER	PHONE 702-365-2203
ACCOUNT REP.	MICHAEL COOPER	PHONE 702-365-2580
PROJECT CONTACT	CHRIS FENTON	PHONE 702-893-2868
SHEET NO. 5 OF 5	SCALE: NTS	DATE 11/11/2017
DWN. BY SEI	CHKD. BY	APPVD. BY
TITLE		
DORRIS M. REED ES ADDITION TYPICAL SWPPP BMP DETAILS		
SHEET 5 OF 5		715-200 118-00344 SHEET 22 OF 22