

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

LVVWD Project # 4328

- 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.
- ALL WORK SHALL CONFORM TO THE LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND TO THE 2003 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS).
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, 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.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.19 OF THE 2003 EDITION OF UDACS.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
- 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.
- ANY INTERRUPTION OF SERVICE MUST BE APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
- 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.
- TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

LVVWD MAY 2003 REVISION

CLARK COUNTY FIRE DEPARTMENT NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 1997 EDITION OF THE UNIFORM FIRE CODE, AND THE 1995 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.
- ON ANY BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH THE REQUIRED WATER SUPPLY.
- IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
- PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY PER FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.
- AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROAD MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
- PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.
- BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED [97 UFC Sec. 901.4.3]

J. Kaniwets 1/10/05
 CLARK COUNTY FIRE DEPARTMENT 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 2000 GPM AT 20 P.S.I. RESIDUAL.

CLARK COUNTY GRADING NOTES:

- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE COUNTY ENGINEER.
- EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE UTILITIES NOT SHOWN ON THE PLANS.
- CONSTRUCTION TO BE PER UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS, CLARK COUNTY AREA, NEVADA.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- ALL GRADING AND PAVING SHALL CONFORM TO THE SOILS REPORT PREPARED BY:
 SUMMIT ENGINEERING CORPORATION
 1421 E. SUNSET ROAD, SUITE #17
 LAS VEGAS, NEVADA 89119
 FILE NO: 72562
 DATED: JULY 17, 2003
 AND ANY ADDENDA THERETO.
- POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

CLARK COUNTY TRAFFIC AND ELECTRICAL NOTES

- 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 HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- 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 GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1986 AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- 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 COUNTY TRAFFIC MANAGER.
- THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE TYPE III SHEETING.
- IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
- PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
- ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTALS FOR CABINETS, AND STREET LIGHT POLES SHALL BE GALVANIZED PER ASTM A.123.
- ALL STREET LIGHTING INSTALLATIONS EXCEPT AS NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA LATEST EDITION OF EACH.
- THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 455-7511 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF CALL BEFORE YOU DIG (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.
- F.A.S.T. INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE, WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED AN EMERGENCY BY F.A.S.T. CITY OF LAS VEGAS, CLARK COUNTY AND NDOT AND MUST BE REPAIRED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. \$2500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
- ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING. SHALL HAVE INDEPENDENT LEAD-IN WIRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.
- TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE L.E.D. TYPE.
- ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.
- WHEN STREET LIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.
- CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
- PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION, OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.
- THREE (3) NORMAL WORKING DAYS PRIOR TO TURN OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

DEPT OF DEVELOPMENT SERVICES CIVIL ENGINEERING DIVISION NOTES

- INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE, 455-4610. YOUR PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.
- EXACT LOCATION OF ALL SAW-CUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
- CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE HALF (1/2) INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE).
- ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION.
- PRIVATE STREETS, CURB AND GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY CLARK COUNTY PUBLIC WORKS INSPECTOR.
- PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", TRAFFIC, SCHOOL, OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST COORDINATING WITH THE DEPARTMENT OF DEVELOPMENT SERVICES, CIVIL ENGINEERING DIVISION INSPECTOR @ 455-4610.
- THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
- NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10') FEET OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATE ARE NOT TO BE CONSTRUED AS A TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICHEVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.
- A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
- COMPACTION TESTS ARE REQUIRED.

STANDARD SPECIFICATIONS/STANDARD DETAILS

THE FOLLOWING LISTED DOCUMENTS CONTAIN THE STANDARD SPECIFICATIONS AND STANDARD DETAILS TO BE USED IN THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL MAINTAIN A SET OF THE LISTED DOCUMENTS AT THE PROJECT SITE AT ALL TIMES.

- SPECIFICATIONS (STANDARD SPECIFICATIONS):
 "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (LATEST EDITION).
- STANDARD DRAWINGS (STD. DWGS.):
 "IMPROVEMENT STANDARDS", DEPARTMENT OF PUBLIC WORKS, CLARK COUNTY, NEVADA (LATEST EDITION).
- WATER SYSTEM STANDARDS (U.D.A.C.S.):
 "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (LATEST EDITION).
- SEWER SYSTEM STANDARDS (D.C.S.):
 "DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS" (LATEST EDITION).
- SUPPLEMENT TO UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS BY CLARK COUNTY.

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
 before you Dig
 1-800-227-2600
 UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
 CALL BEFORE YOU DIG OVERHEAD
 CALL 1-702-227-2929

Call before you UnderGround
 1-702-455-7511
 CLARK COUNTY DIGGING SERVICE
 1-702-229-6611
 LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CLARK COUNTY, STATE OF NEVADA.

BENCH MARK

BLV00356
 CITY OF LAS VEGAS PIN AND PLATE IN TOP OF CURB, ON EAST SIDE OF TENAYA WAY ±400' NORTH OF LARKVALE WAY.
 ELEVATION = 709.410 METERS
 2327.456 FEET (NAVD '88)

BASIS OF BEARINGS

S 89°35'06" E BEING THE NORTH LINE OF THE SW 1/4 OF THE NW 1/4 OF THE SW 1/4 OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 36 OF PARCEL MAPS ON PAGE 70 AS SHOWN BY MAP THEREOF ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER.

ABBREVIATIONS:

ACP	ASBESTOS CEMENT PIPE
AC	ASPHALTIC CONCRETE
BC	BEGIN CURVE/BACK OF CURB
BVC	BEGIN VERTICAL CURVE
BS	BACK OF SIDEWALK
CB	CATCH BASIN
CL	CENTERLINE
COMP	CORRUGATED METAL PIPE
CONC	CONCRETE
DI	"DROP INLET"
DET	DETAIL
E	ELECTRICAL
ELEV.	ELEVATION
EC	END OF CURVE
EV	END OF VERTICAL CURVE
EXIST/EX	EXISTING
EG	EXISTING GRADE
FC	FACE OF CURB
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FIRE HYDRANT
FL	FLOW LINE
G	GAS
GB	GRADE BREAK
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT ELEVATION
LT	LEFT
L	LENGTH
LF	LINEAL FEET
MH	MANHOLE
P	PAD ELEVATION
PB	PULL BOX
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
(R)	RADIAL
R	RADIUS
REF	REFERENCE
RCP	REINFORCED CONCRETE PIPE
RG	ROUGH PAD ELEVATION
RT	RIGHT
R/W	RIGHT OF WAY
SS	SANITARY SEWER
SW	SIDEWALK
S	SLOPE
SHT	SHEET
STA	STATION
SD	STORM DRAIN
T	TANGENT
TEL	TELEPHONE
TC	TOP OF CURB
TYP	TYPICAL
VERT	VERTICAL
VC	VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
W	WATER

SUMMIT ENGINEERING CORPORATION
 1421 E. SUNSET ROAD, SUITE 17 LAS VEGAS, NEVADA 89119
 PHONE: (702) 882-3366 FAX: (702) 256-3847

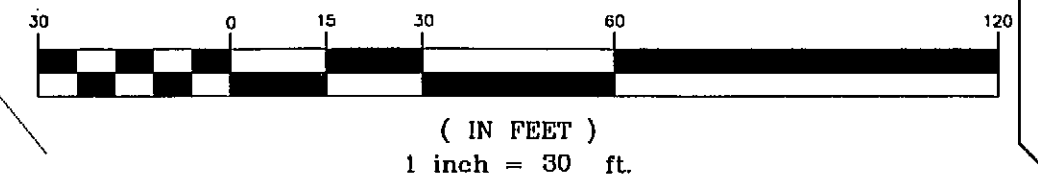
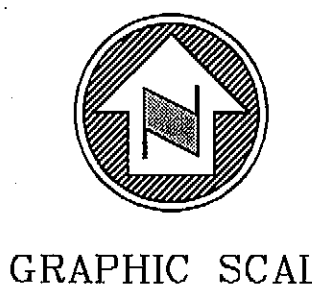
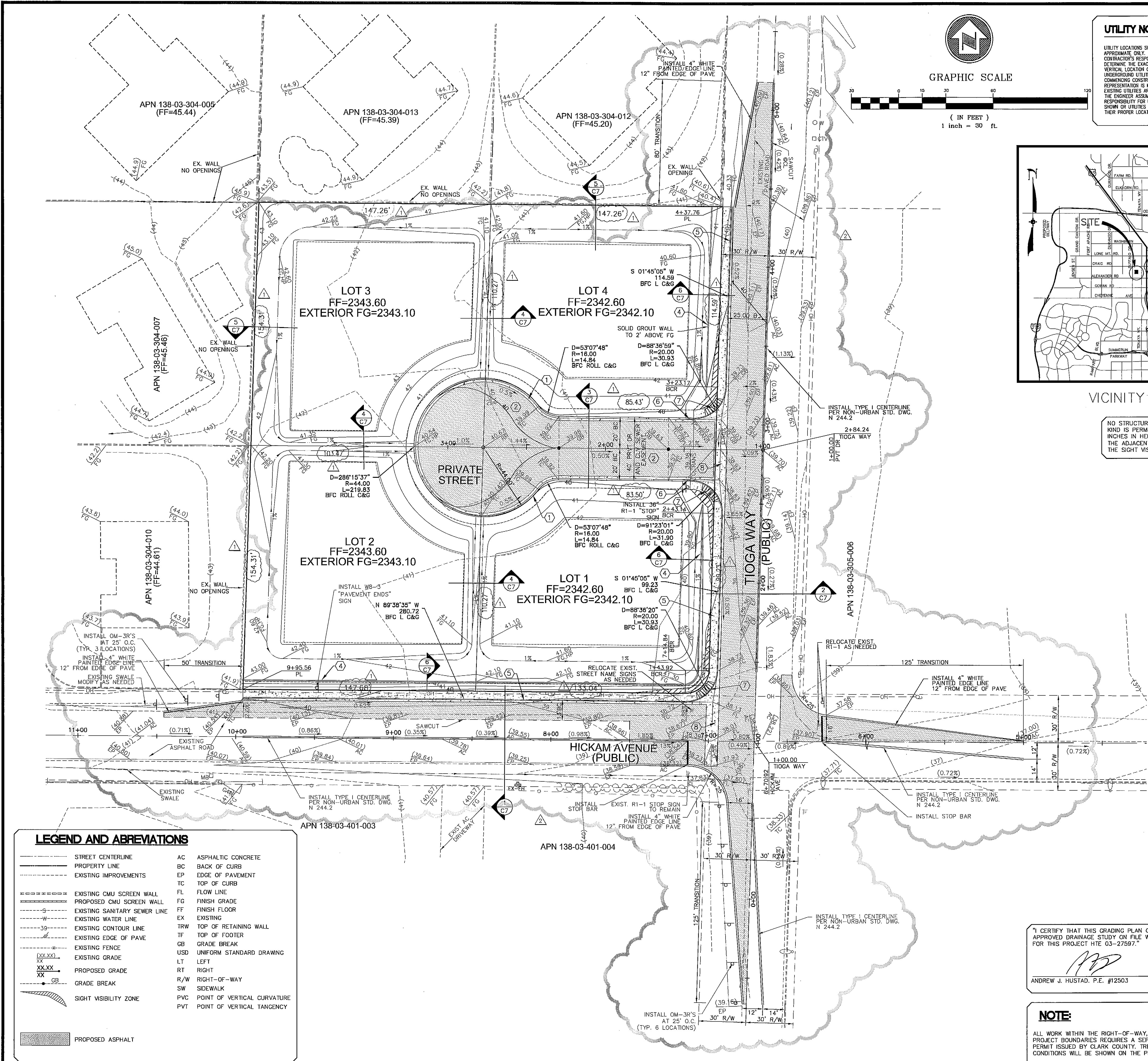
DESIGNED: KWK
 CHECKED: AJH
 SCALE: HORIZ. N/A
 FILE NO.: 72562
 DATE: 5-20-05

ATTAR DEVELOPMENT
 HICKAM AVE. AND TOGA WAY (MSM311-02)
 NOTES SHEET AND QUANTITIES
 CLARK COUNTY NEVADA

REV.	DATE	DESCRIPTION	BY	APPD.

PROFESSIONAL SEAL
 ANDREW J. HUSTAD
 Exp. 6-30-06
 CIVIL
 No. 12503

SHEET C2 OF 7
 HTE# 03-42567 LAS VEGAS VALLEY WATER DISTRICT (PROJECT #4328) DATE 1/10/05



UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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UNDERGROUND SERVICE (USA)

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Call before you dig
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CLARK COUNTY PUBLIC OPERATORS
1-702-229-6611
LAS VEGAS AREA COMBATED TRAFFIC SYSTEM



VICINITY MAP

NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

GRADING NOTES

- ALL GRADING SHALL BE PERFORMED AS SHOWN ON THESE PLANS. NO DEVIATION FROM THESE PLANS IS PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- ALL PAD AND SWALE ELEVATIONS SHOWN ON THESE PLANS ARE ROUGH GRADE ONLY. ALL OTHER GRADES ARE FINISHED GRADES.
- A COPY OF THE APPROVED GRADING PLANS ARE TO BE ON THE JOB SITE THROUGHOUT THE ENTIRE COURSE OF CONSTRUCTION.
- ALL GRADING IS TO BE PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT AS FOLLOWS:
SUMMIT ENGINEERING CORP
1421 E. SUNSET RD., SUITE 17
LAS VEGAS, NV 89119
REPORT NO. 72562
DATED: JULY 17, 2003

RAW EARTHWORK QUANTITIES

APP. CY CUT 1997
APP. CY FILL 377
NOTE: EARTHWORK QUANTITIES SHOWN HEREON ARE FOR PERMITTING PURPOSES ONLY. CONTRACTORS ARE RESPONSIBLE TO VERIFY QUANTITIES PRIOR TO SUBMITTING BIDS.

NOTE

- ADD 2300' TO ALL GRADES TO ACHIEVE TRUE DATUM.

CONSTRUCTION LEGEND

ALL CONSTRUCTION NOTED AS PER USED TO BE CONSTRUCTED PER UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA, LATEST EDITION.
 ① CONSTRUCT ROLL TYPE CURB AND GUTTER PER USD 217A
 ② CONSTRUCT PRIVATE STREET PER USD 210
 ③ CONSTRUCT ACCESS ROAD PER DETAIL SHEET C7
 ④ CONSTRUCT 6" BLOCK WALL. SEE DETAIL S, SHEET C7
 ⑤ CONSTRUCT L TYPE CURB AND GUTTER PER USD 216
 ⑥ CONSTRUCT 5 FT. TRANSITION FROM ROLL TYPE TO L TYPE C&G
 ⑦ CONSTRUCT SIDEWALK RAMP CASE 1 PER USD 235
 ⑧ CONSTRUCT CROSS GUTTER PER USD 235. CONST. STREET GRADES SPECIFIED ON THIS SHEET.

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CLARK COUNTY, STATE OF NEVADA.

BENCH MARK

BLV00356
CITY OF LAS VEGAS PIN AND PLATE IN TOP OF CURB, ON EAST SIDE OF TENAYA WAY ±400' NORTH OF LARKVALE WAY.
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2327.456 FEET (NAVD '88)

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LEGEND AND ABBREVIATIONS

--- STREET CENTERLINE	AC ASPHALTIC CONCRETE
--- PROPERTY LINE	BC BACK OF CURB
--- EXISTING IMPROVEMENTS	EP EDGE OF PAVEMENT
--- EXISTING CMU SCREEN WALL	TC TOP OF CURB
--- PROPOSED CMU SCREEN WALL	FL FLOW LINE
--- EXISTING SANITARY SEWER LINE	FG FINISH GRADE
--- EXISTING WATER LINE	FF FINISH FLOOR
--- EXISTING CONTOUR LINE	EX EXISTING
--- EXISTING EDGE OF PAVE	TRW TOP OF RETAINING WALL
--- EXISTING FENCE	TF TOP OF FOOTER
--- EXISTING GRADE	GB GRADE BREAK
--- PROPOSED GRADE	USD UNIFORM STANDARD DRAWING
--- GRADE BREAK	LT LEFT
	RT RIGHT
	R/W RIGHT-OF-WAY
	SW SIDEWALK
	PVC POINT OF VERTICAL CURVATURE
	PVT POINT OF VERTICAL TANGENCY

"I CERTIFY THAT THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE COUNTY FOR THIS PROJECT HTE 03-27597."

Andrew J. HUSTAD, P.E. #12503 DATE 12/5/04

NOTE:
ALL WORK WITHIN THE RIGHT-OF-WAY, OUTSIDE THE PROJECT BOUNDARIES REQUIRES A SEPARATE ENCROACHMENT PERMIT ISSUED BY CLARK COUNTY. TRENCH AND PAVEMENT CONDITIONS WILL BE SHOWN ON THE PERMIT.

CIVIL ENGINEERING DIVISION
CLARK COUNTY DEVELOPMENT SERVICES
ACCEPTED
BY: Andrew J. HUSTAD
DATE 12/5/04

CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES
Acceptance of plans for filing
BY: [Signature]
Acceptance of these plans for filing 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 and / or specifications. Clark County shall be held free from damages which may result from the construction of the improvements from the engineering design depicted herein.
NOTE: Power poles and / or other existing facilities not in proper location based on proposed improvements shown hereon will be relocated at no expense to Clark County.
HTE# 03-42567

SUMMIT ENGINEERING CORPORATION
1421 E. SUNSET ROAD, SUITE 17 LAS VEGAS, NEVADA 89119
PHONE: (702) 252-9288 FAX: (702) 252-9347

DESIGNED: KWK	CHECKED: AJH	SCALE: 1"=30'	FILE NO.: 72562
		VER: N/A	5-20-03

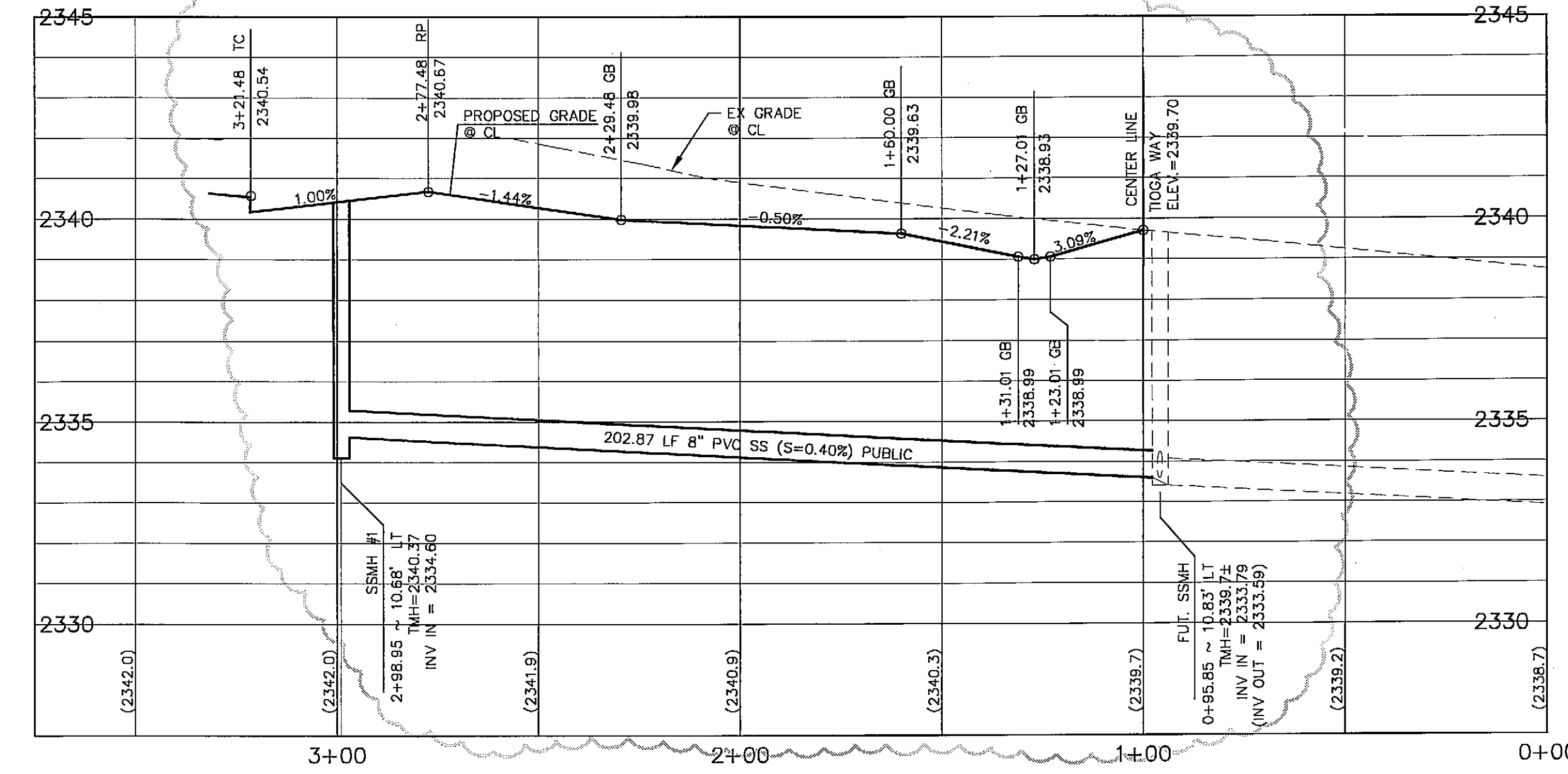
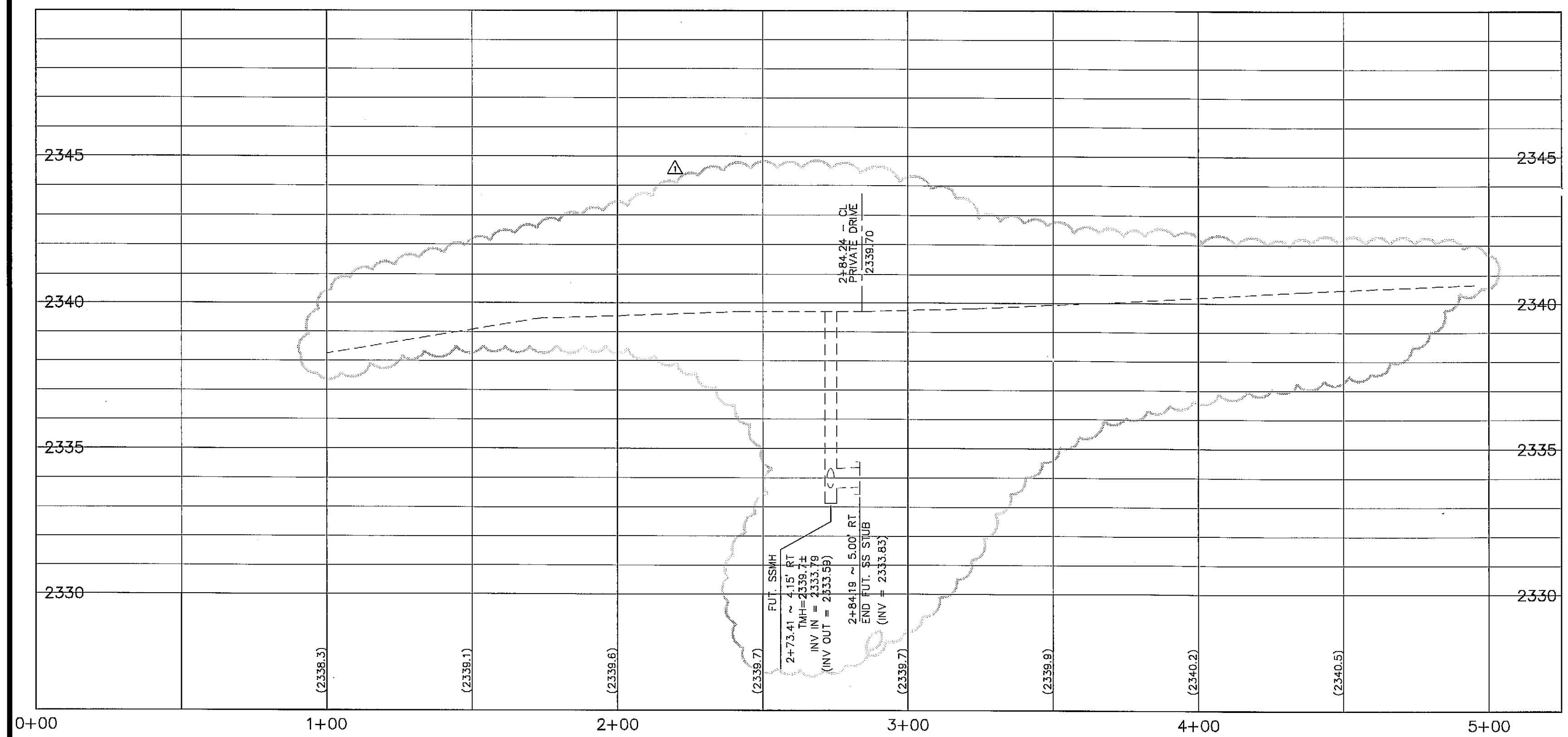
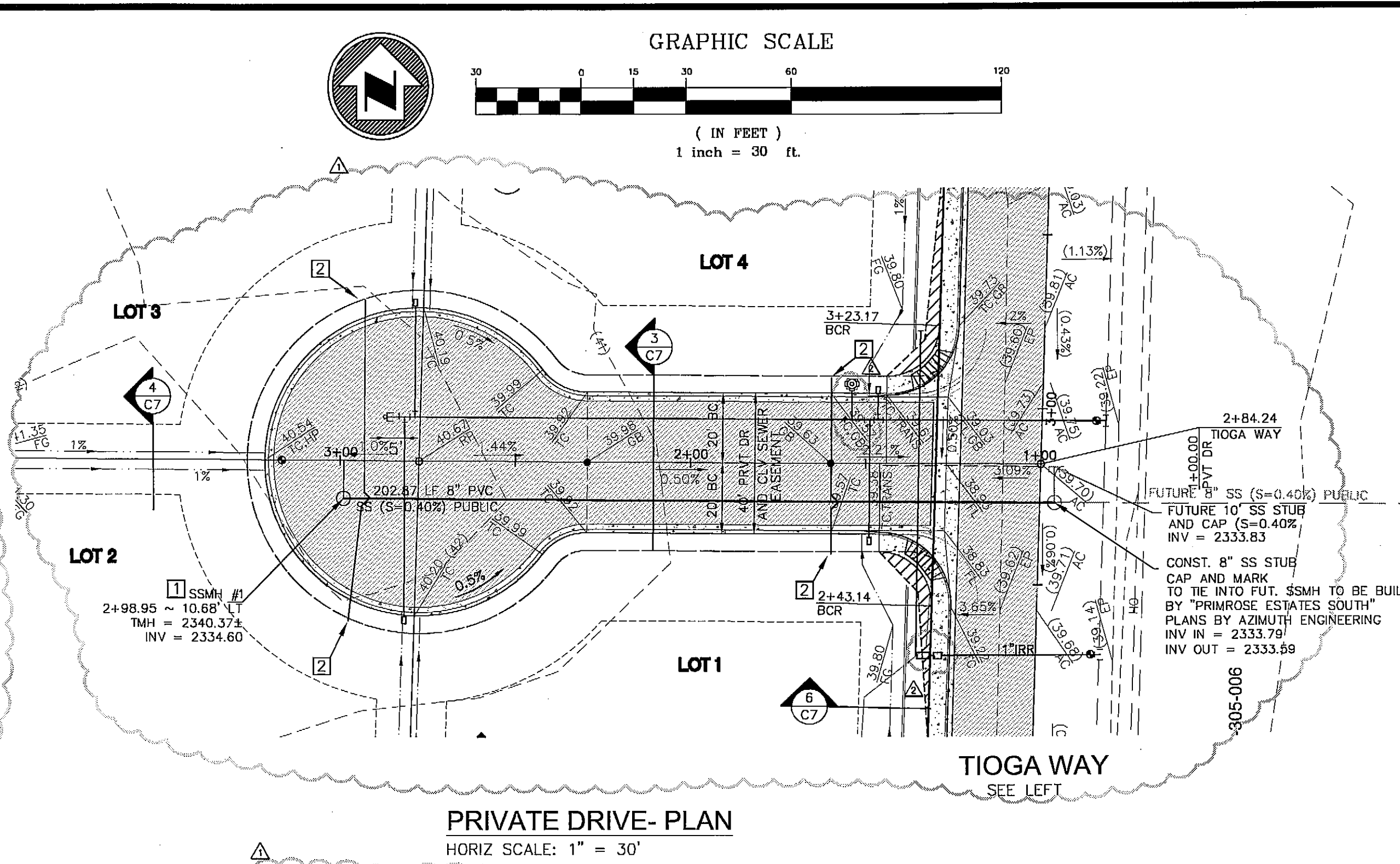
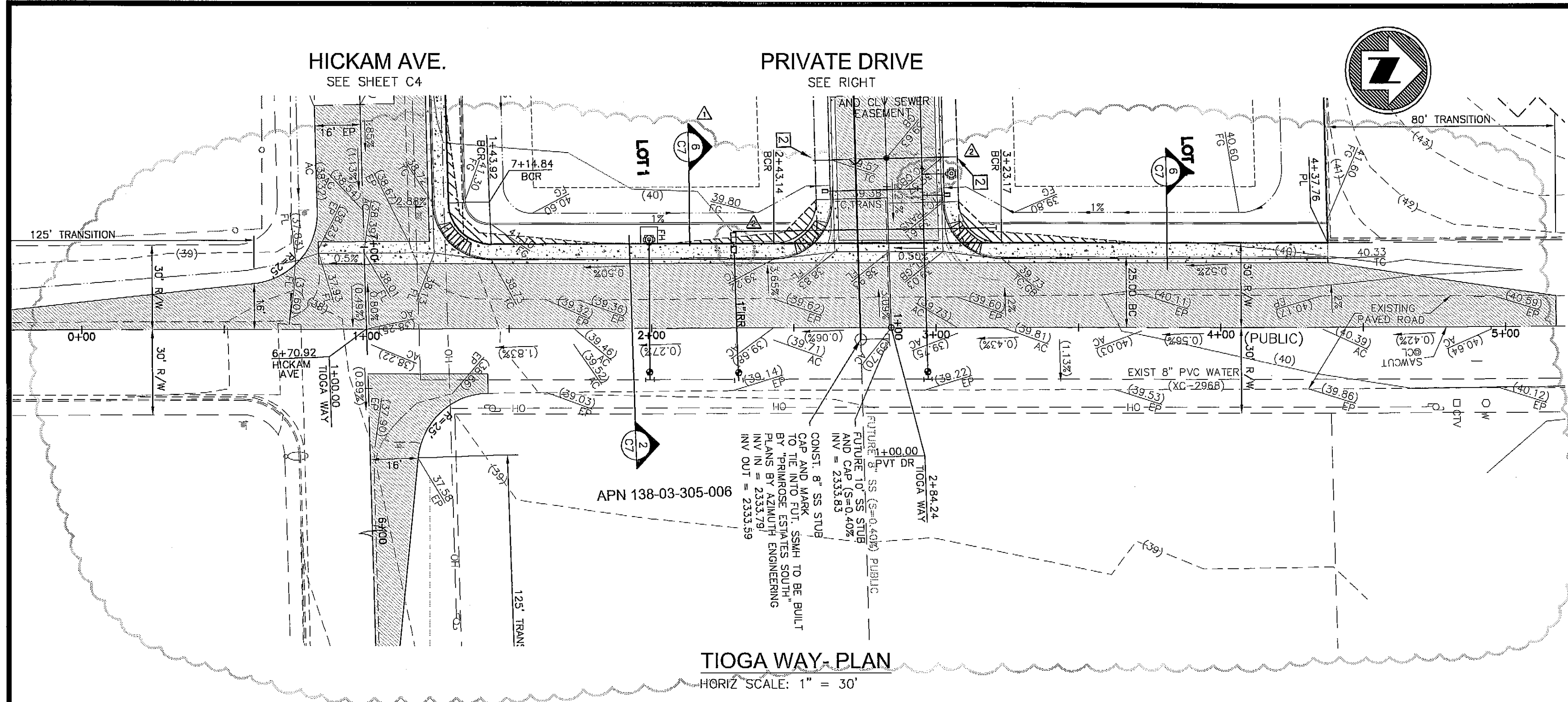
ATTAR DEVELOPMENT
HICKAM AVE. AND TIOGA WAY (MSM311-02)
GRADING PLAN AND TRAFFIC PLAN
CLARK COUNTY NEVADA

REV.	DATE	DESCRIPTION	BY	APP'D
1	12/5/04	ENTIRE SHEET REVISED PER DEVELOPER AG		

PROJ#MSM311-02_P_LANS&D&TRAFFIC

STATE OF NEVADA
COUNTY OF CLARK
RECORDED
FILE NO. 12503
DATE 12-5-04
CIVIL

SHEET C3 OF 7



UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig

1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you UnderGround

1-702-455-7311
CLARK COUNTY PUBLIC UTILITIES
1-702-229-6611
LAS VEGAS AREA COMMISSIONED SURVEY SYSTEM

Call before you UnderGround

1-702-455-7311
CLARK COUNTY PUBLIC UTILITIES
1-702-229-6611
LAS VEGAS AREA COMMISSIONED SURVEY SYSTEM

LEGEND AND ABBREVIATIONS

---	STREET CENTERLINE	AC	ASPHALTIC CONCRETE
---	PROPERTY LINE	BC	BACK OF CURB
---	EXISTING IMPROVEMENTS	EP	EDGE OF PAVEMENT
---	EXISTING SANITARY SEWER LINE	TC	TOP OF CURB
---	EXISTING WATER LINE	FL	FLOW LINE
---	EXISTING EDGE OF PAVE	FG	FINISH GRADE
---	EXISTING GRADE	EX	EXISTING
---	PROPOSED GRADE	GB	GRADE BREAK
---	GRADE BREAK	USD	UNIFORM STANDARD DRAWING
---	SIGHT VISIBILITY ZONE	LT	LEFT
---		RT	RIGHT
---		R/W	RIGHT-OF-WAY
---		SW	SIDEWALK

CONSTRUCTION LEGEND

ALL CONSTRUCTION NOTED AS PER USD TO BE CONSTRUCTED PER UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA, LATEST EDITION.

- CONSTRUCT ROLL TYPE CURB AND GUTTER PER USD 217A
- CONSTRUCT PRIVATE-STREET PER USD 210
- CONSTRUCT ACCESS ROAD PER DETAIL SHEET C7
- CONSTRUCT 6' BLOCK WALL. SEE DETAIL 5, SHEET C7
- CONSTRUCT L TYPE CURB AND GUTTER PER USD 216
- CONSTRUCT 5 FT. TRANSITION FROM ROLL TYPE TO L TYPE C&G
- CONSTRUCT SIDEWALK RAMP CASE I PER USD 235
- CONSTRUCT CROSS GUTTER PER USD 235. CONST. STREET GRADES SPECIFIED ON THIS SHEET.

ITEM	QUANTITY
8" PVC SEWER MAIN	203 LF
48" MANHOLE	1 EA
4" SS LATERAL W/ WYE, CAP AND MARK	4 EA

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CLARK COUNTY, STATE OF NEVADA.

BENCH MARK

6LV00336
CITY OF LAS VEGAS PIN AND PLATE IN TOP OF CURB, ON EAST SIDE OF TENAYA WAY ±400' NORTH OF LARKVALE WAY.

ELEVATION = 709.410 METERS
2327.456 FEET (NAVD '88)

BASIS OF BEARINGS

S 89°35'06" E BEING THE NORTH LINE OF THE SW 1/4 OF THE NW 1/4 OF THE SW 1/4 OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 96 OF PARCEL MAPS ON PAGE 70 AS SHOWN BY MAP THEREOF ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER.

CLARK COUNTY
DEPARTMENT OF DEVELOPMENT SERVICES

Acceptance of plans for filing

By *Andrew J. Husted*

ANDREW J. HUSTAD
CIVIL
Exp. 6-30-05

NOTE: Power poles and / or other existing facilities not in proper location based on proposed improvements shown hereon will be relocated at no expense to Clark County.

SUMMIT ENGINEERING CORPORATION
1421 E SUNSET ROAD, SUITE 17, LAS VEGAS, NEVADA 89119
PHONE: (702) 252-3238 FAX: (702) 252-3247

DESIGNED: KWK
CHECKED: AJH
SCALE: HOR. 1" = 30'
VER. 1" = 4'

FILE NO. 15-25-202
7262

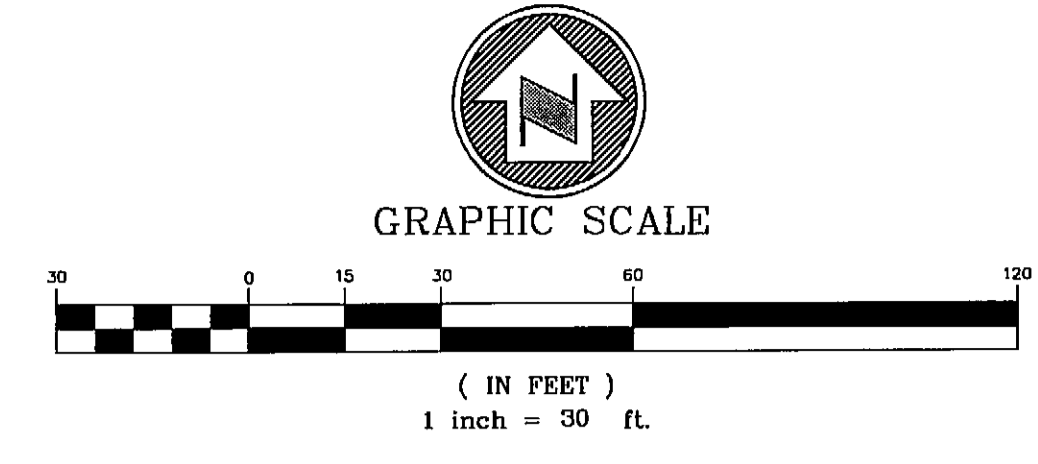
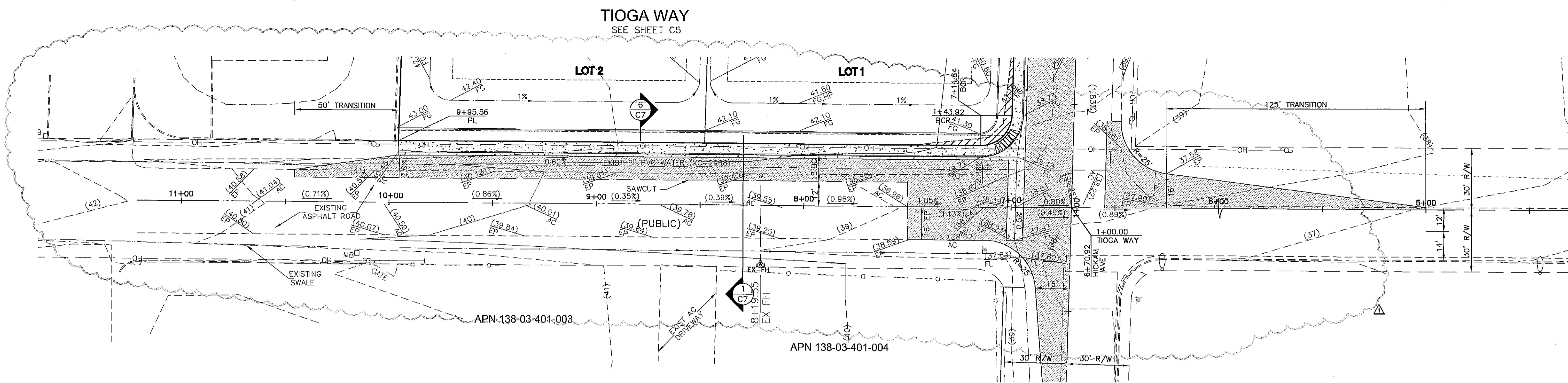
ATTAR DEVELOPMENT
HICKAM AVENUE AND TIOGA WAY (MSM311-02)
PLAN/PROFILE

CLARK COUNTY NEVADA

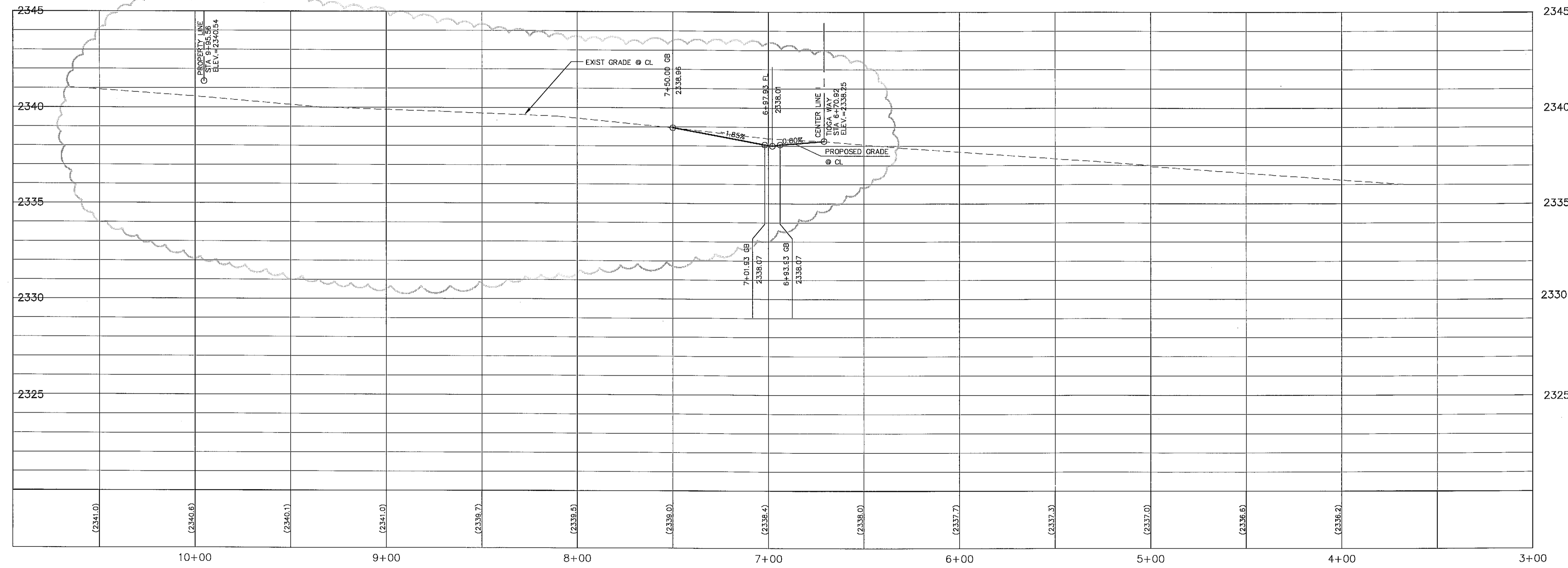
DATE	DESCRIPTION	BY	APP'D
8/9/04	ENTIRE SHEET REVISED DUE TO MOD.	RG	AJH
10/6/04	REV. PER AWARD. FH RELOCATED FROM END OF CULDESAC. 8" MAIN TO FH. 6" MAIN TO END OF LINE SINGLE. & SINGLE RPPA FOR IRR.	RG	AJH

PROPOSED IMP. PLAN/PROFILE

SHEET C4 OF 7



HICKAM AVE. - PLAN
HORIZ SCALE: 1" = 30'



HICKAM AVE. - PROFILE
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 4'

UTILITY NOTE
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Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMBINED TRAFFIC SYSTEM

LEGEND AND ABBREVIATIONS

---	STREET CENTERLINE	AC	ASPHALTIC CONCRETE
---	PROPERTY LINE	BC	BACK OF CURB
---	EXISTING IMPROVEMENTS	EP	EDGE OF PAVEMENT
---	EXISTING SANITARY SEWER LINE	TC	TOP OF CURB
---	EXISTING WATER LINE	FL	FLOW LINE
---	EXISTING EDGE OF PAVE	FG	FINISH GRADE
---	EXISTING GRADE	EX	EXISTING
---	PROPOSED GRADE	GB	GRADE BREAK
---	GRADE BREAK	USD	UNIFORM STANDARD DRAWING
---	SIGHT VISIBILITY ZONE	LT	LEFT
		RT	RIGHT
		R/W	RIGHT-OF-WAY
		SW	SIDEWALK

CONSTRUCTION LEGEND

ALL CONSTRUCTION NOTED AS PER USD TO BE CONSTRUCTED PER UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA, LATEST EDITION.

ITEM	QUANTITY
1 8" PVC SEWER MAIN	203 LF
1 48" MANHOLE	1 EA
2 4" SS LATERAL W/ WYE, CAP AND MARK	4 EA

LEGAL DESCRIPTION
A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CLARK COUNTY, STATE OF NEVADA.

BENCH MARK
6LV00.356
CITY OF LAS VEGAS PIN AND PLATE IN TOP OF CURB, ON EAST SIDE OF TENAYA WAY ±400' NORTH OF LARKVALE WAY.
ELEVATION = 709.410 METERS
2327.456 FEET (NAVD '88)

BASIS OF BEARINGS
S 89°35'06" E BEING THE NORTH LINE OF THE SW 1/4 OF THE NW 1/4 OF THE SW 1/4 OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 35 OF PARCEL MAPS ON PAGE 70 AS SHOWN BY MAP THEREON ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER.

CLARK COUNTY
DEPARTMENT OF DEVELOPMENT SERVICES
Acceptance of plans for filing
BY: Andrew J. Husted
Exp. 6-30-05
CIVIL
NOTE: Power poles and / or other existing facilities not in proper location based on proposed improvements shown hereon will be re-located at no expense to Clark County.

SHEET C5 OF 7

ATTAR DEVELOPMENT
HICKAM AVENUE AND TIOGA WAY (MSM311-02)
PLAN/PROFILE

DESIGNED: KWK
CHECKED: AJH
SCALE: HOR. 1" = 30', VER. 1" = 4'
FILE NO. 72567
DATE: 8/9/04

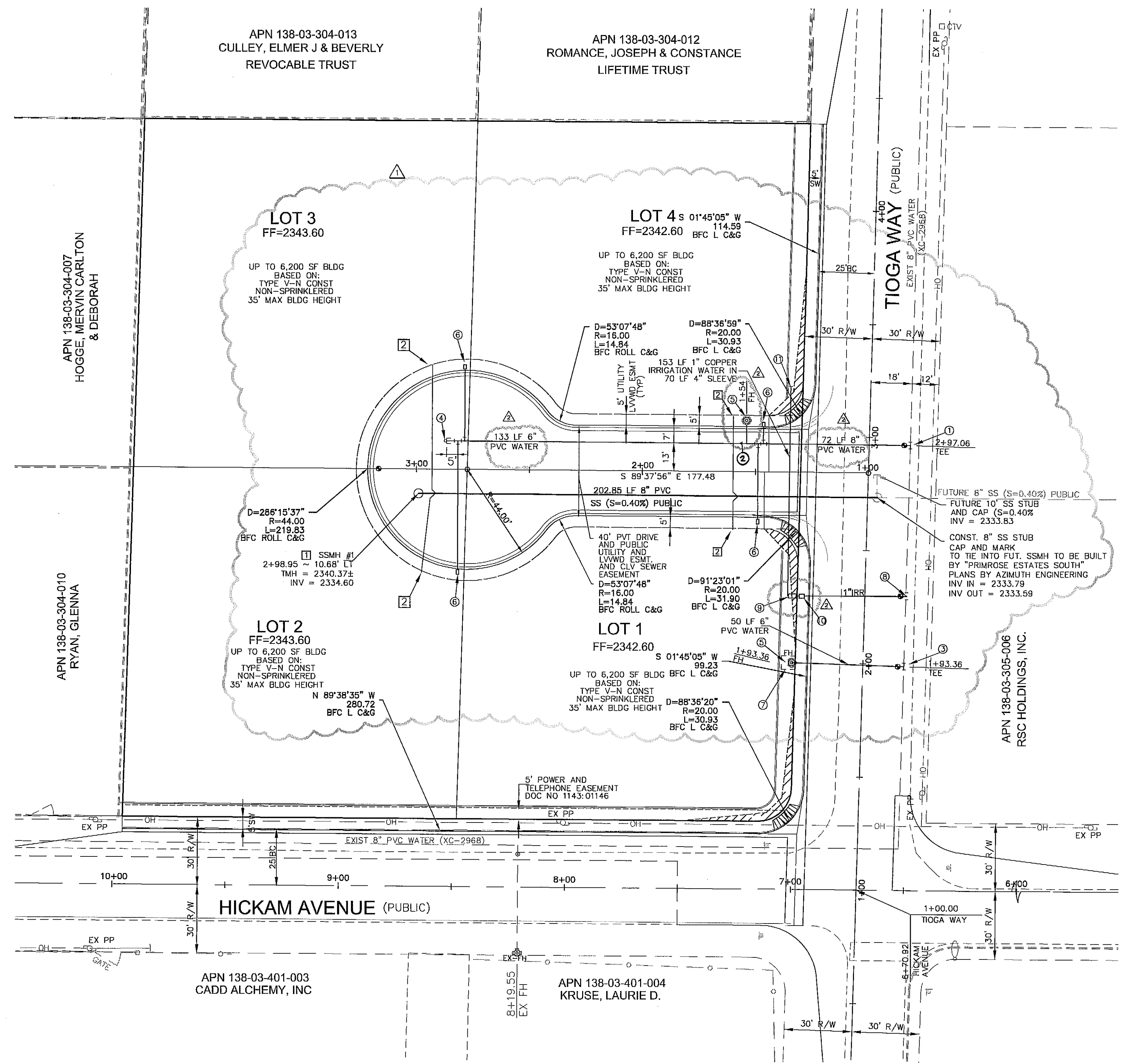
BY: APPD
RG
AJH

DESCRIPTION: ENTIRE SHEET REVISED, DUE TO MOD. EXISTING GROUND

CLARK COUNTY
NEVADA

PHONE: (702) 252-3238 FAX: (702) 252-3247
1421 E. SUNSET ROAD, SUITE 17 LAS VEGAS, NEVADA 89119

HTE# 03-72567



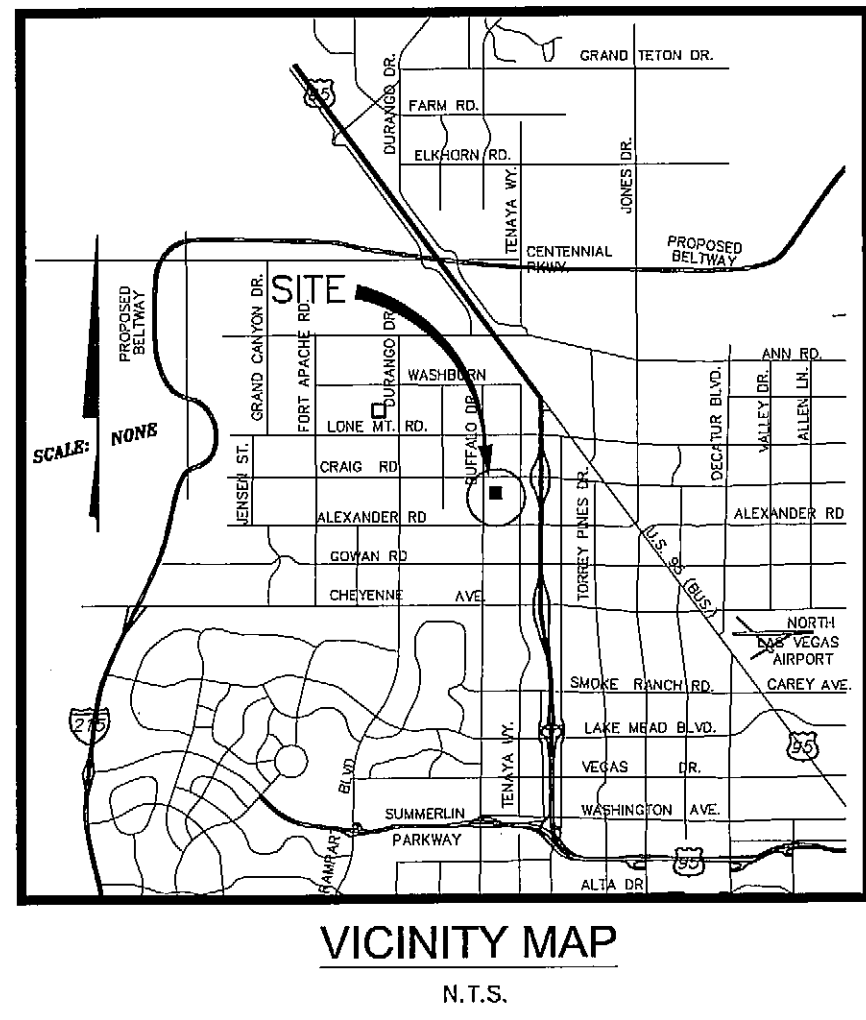
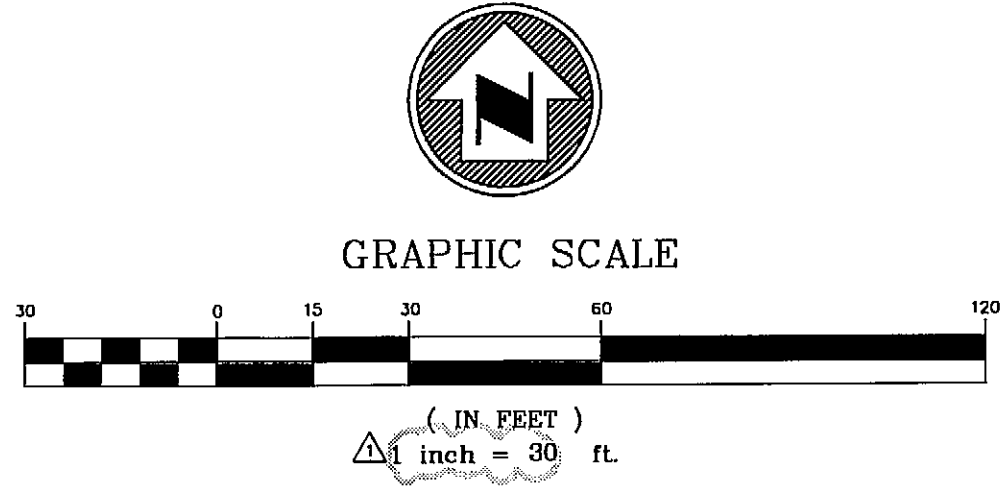
UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig
 1-800-227-2600
 UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
Call before you Overhead
 CALL 1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNALS, TRAFFIC SIGNALS AND STREET LIGHT SYSTEMS. CALL BEFORE YOU DIG UNDERGROUND.
Call before you Underground
 1-702-455-7511
 CLARK COUNTY TRAFFIC SIGNALS
 1-702-229-6611
 LAS VEGAS AREA COMPUTED TRAFFIC SYSTEM



SEWER NOTE:

LOTS TO HAVE INDIVIDUAL RESIDENTIAL SEPTIC SYSTEM PER CLARK COUNTY HEALTH DISTRICT.

LOTS WILL NOT TIE INTO PROPOSED SANITARY SEWER LATERALS UNTIL THE 8" SEWER LINE DOWNSTREAM IS BUILT AND FUNCTIONAL. REF. SEWER CONNECTION NOTE THIS SHEET.

SUMMIT ENGINEERING CORPORATION

1421 E. SUNSET ROAD, SUITE 17 LAS VEGAS, NEVADA 89119
 PHONE: (702) 252-3236 FAX: (702) 252-3247

DESIGNED: KWK
 CHECKED: AJH
 SCALE: 1"=30'
 FILE NO.: 72562
 DATE: 8-26-04

**ATTAR DEVELOPMENT
 HICKAM AVE. AND TIOGA WAY (MSM311-02)
 UTILITY PLAN**

CLARK COUNTY NEVADA

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CLARK COUNTY, STATE OF NEVADA.

BENCH MARK

BLV00356
 CITY OF LAS VEGAS PIN AND PLATE IN TOP OF CURB, ON EAST SIDE OF TENAYA WAY ±400' NORTH OF LARKVALE WAY.
 ELEVATION = 708.410 METERS
 2327.456 FEET (NAVD '88)

BASIS OF BEARINGS

S 89°35'06" E BEING THE NORTH LINE OF THE SW 1/4 OF THE NW 1/4 OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 36 OF PARCEL MAPS ON PAGE 70 AS SHOWN BY MAP THEREOF ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER.

LEGEND AND ABBREVIATIONS

---	STREET CENTERLINE
---	PROPERTY LINE
---	EXISTING IMPROVEMENTS
---	EXISTING WATER LINE W/ SIZE
---	PROPOSED 6" WATER LINE W/ FH & TYP FITTINGS
---	PROPOSED 1" DOMESTIC WATER LINE W/ METER
---	PROPOSED SANITARY SEWER W/ MANHOLE
BC	BACK OF CURB
FF	FINISH FLOOR
EX	EXISTING
USD	UNIFORM STANDARD DRAWING
R/W	RIGHT-OF-WAY
PL	PROPERTY LINE
LF	LINEAL FEET
SS	SANITARY SEWER
W	WATER
---	SIGHT VISIBILITY ZONE

LEGEND AND QUANTITIES

ALL CONSTRUCTION NOTED AS PER USED TO BE CONSTRUCTED PER UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA, LATEST EDITION.

ITEM	QUANTITY
133 LF 6" PVC WATER MAIN	1 EA
72 LF 8" PVC WATER MAIN	1 EA
56 LF 1" COPPER SERVICE LATERAL	1 EA
1" COPPER SERVICE LATERAL	1 EA
8" X 8" MECH TAPPING TEE w/8" TAPPING VALVE UDACS PLT. NO 22	1 EA
8" X 6" REDUCER	1 EA
8" x 6" TAPPING TEE w/ 8" TAPPING VALVE PER UDACS PLT. NO. 22	1 EA
6" CAP W/2" BLOW OFF PER UDACS PLATE NO. 4A	1 EA
FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7	2 EA
3/4" WATER METER PER UDACS PLATE NO. 1D	4 EA
6" X 6" LVVWD FIRE HYDRANT EASEMENT	1 EA
1" COPPER SERVICE FOR IRRIGATION	1 EA
PER UDAC PLT. NO. 1D	1 EA
1" RPPA FOR IRRIGATION PER UDACS PLT. NO. 11A. BOX HEIGHT TO BE 2' MAX. FROM TOP OF CURB TO TOP OF BOX.	1 EA
1" IRRIGATION METER PER UDACS PLT. NO. 1D	1 EA
1" STUB & CAP	1 EA

SEWER ITEM	QUANTITY
8" PVC SEWER MAIN	203 LF
48" MANHOLE	1 EA
4" SS LATERAL W/ WYE, CAP AND MARK	4 EA

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1)-1"

Approved Reduced Pressure Principle Assembly(s) shall be installed per the UDACS Plate No. 11A. No water shall be taken from a service requiring backflow prevention until the reduced pressure principle assembly has been successfully tested by the LVVWD.

Any block wall or other fence material shall be designed and constructed around the outside of the easement(s) to allow the District direct access from the adjacent right-of-way.

Easements shall be clearly marked or staked prior to the start of construction. ESN. 026

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

SINGLE METER BOX -- ARMORCAST

BOX -- P6000485T
 LID -- A6000484T

ALL LOTS:

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

J. Ranawat 1/10/05
 CLARK COUNTY FIRE DEPARTMENT 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 2000 GPM AT 20 P.S.I. RESIDUAL.

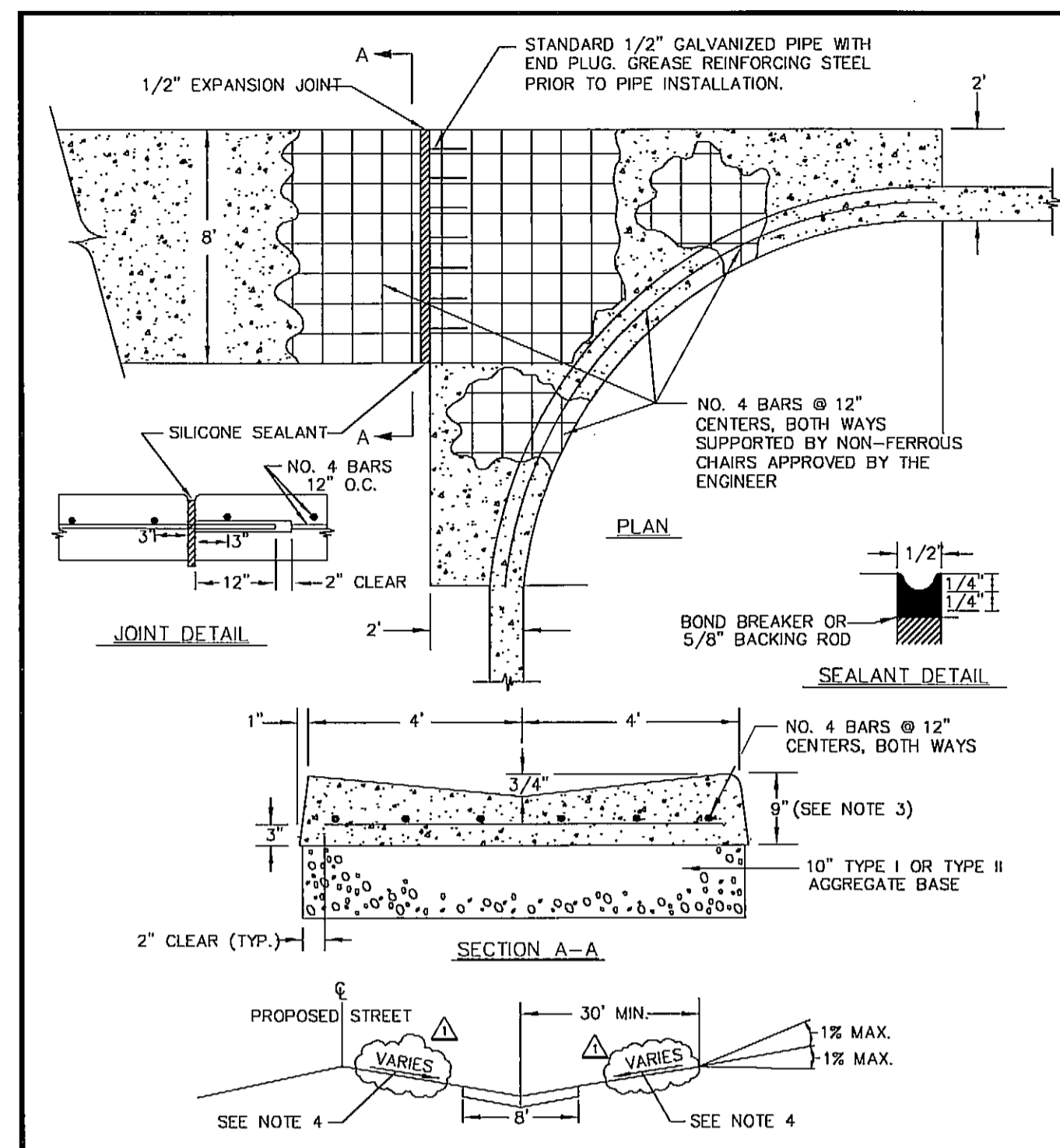
Approval by the fire department having jurisdiction is required PRIOR to obtaining final approval from the LVVWD.

1st App'd. 1/30/04
Robert J. Morgan 1/10/05
 APPROVED (SHT. C1, C2, C6)
 LAS VEGAS VALLEY WATER DISTRICT PROJECT #4328 DATE

REV.	DATE	DESCRIPTION	BY	APP'D.
1	8/9/04	SANITARY SEWER ADDED, GRADES REV.	RC	AJH
2	10/5/04	IRRIGATION SERVICE ADDED	RC	AJH
3		REV. PER LVVWD. FH RELOCATED FROM END OF CULDSAC. FH MARK TO FH.		
4		8" MAIN TO END OF LINE SINGLE. & SINGLE RPPA FOR IRR.		

PROFESSIONAL SEAL: ANDREW J. HUSTAD, CIVIL ENGINEER, No. 12503, NV State Board of Engineering and Architecture, Exp. 8-30-05

SHEET C6 OF 7



TYPICAL PROFILE AT LOCAL RESIDENTIAL STREET INTERSECTIONS

NOTES:

1. FINISHED ASPHALT CONCRETE SURFACE TO BE FLUSH WITH CROSS GUTTER LIP.
2. CONSTRUCTION OF CROSS GUTTER IS NOT ALLOWED ACROSS MAJOR COLLECTOR OR ARTERIAL STREETS.
3. ADJACENT SPANDREL SHALL BE 8" THICK P.C.C.
4. REFER TO GRADING PLAN FOR SLOPES

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
302	AGGREGATE BASE
501	CONCRETE
502	CONCRETE STRUCTURES
505	REINFORCING STEEL
707	EXPANSION JOINT MATERIAL
TT-S-00153A	CLASS A SEALANT

MODIFIED CROSS GUTTER

DATB2-14-04 DWG. NO. 228 PAGE NO. 34

