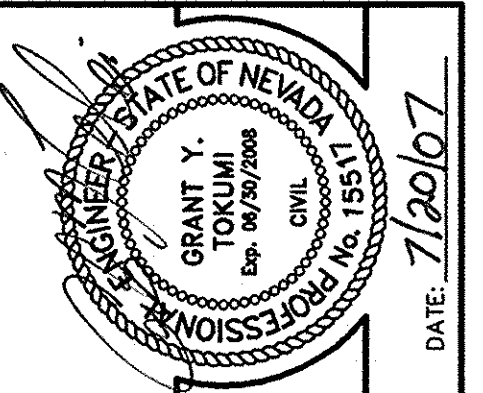


Estimate of Quantities

| ITEM NO. | ITEM DESCRIPTION | UNIT | TOTALS |
|----------|----------------------------------|------|-----------|
| | RIPRAP (D50=8") | CY | 1,171 |
| | RIPRAP (D50=12") | CY | 6,722 |
| | RIPRAP (D50=18") | CY | 9,013 |
| | RIPRAP (D50=24") | CY | 512 |
| | EXCAVATION AND EMBANKMENT - CUT | CY | 1,836,454 |
| | EXCAVATION AND EMBANKMENT - FILL | CY | 301,566 |
| | CUTOFF WALL (1'x3') | LF | 1,752 |
| | CUTOFF WALL (1'x5') | LF | 2,500 |
| | 18" CMP | LF | 169 |
| | 60" OUTFALL STRUCTURE | EA | 1 |
| | 84" OUTFALL STRUCTURE | EA | 1 |
| | 6' HIGH CHAIN-LINK FENCE | LF | 65 |
| | 20' WIDE CHAIN-LINK FENCE GATE | EA | 1 |
| | WARNING SIGN | EA | 3 |
| | 60" CL III RCP | LF | 210 |
| | 60" CL V RCP | LF | 256 |
| | 84" CL III RCP | LF | 327 |
| | 84" CL V RCP | LF | 199 |
| | NDOT TYPE II HEADWALL (MODIFIED) | EA | 2 |
| | TEE TYPE MANHOLE | EA | 1 |
| | NDOT TYPE IV MANHOLE (MODIFIED) | EA | 1 |
| | POST AND CABLE RAILING | LF | 283 |
| | CONCRETE ACCESS ROAD | CY | 221 |



| DESIGN | DRAWN | CHECK | ISSUE DATE | ISSUE EDITOR | PLOT DATE | PLOT TIME |
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G.C. WALLACE COMPANIES
 ENGINEERS | PLANNERS | SURVEYORS
 8555 MANSON AVENUE, SUITE 100, LAS VEGAS, NV 89123
 T 702.894.2000 F 702.894.2299 GCWALLACE.COM

COYOTE SPRINGS
 DETENTION BASIN 1
 LOCATION MAP

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE COUNTY ENGINEER.
- EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. (CALL BEFORE YOU DIG 800-227-2600).
- CONSTRUCTION SURVEY: GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULE IN USING THE GRADE STAKES GIVEN BY PROJECT SURVEYOR. THREE CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED. IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED, OTHERWISE THE PROJECT SURVEYOR WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISH WORK.
- STANDARD STREET SECTIONS PER CLARK COUNTY STANDARD DRAWINGS UNLESS OTHERWISE NOTED.
- VALLEY GUTTER WITH A GRADE OF FOUR TENTHS OF ONE PERCENT OR LESS SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER DRAINAGE ACROSS ALL VALLEY GUTTERS.
- ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS FOR COYOTE SPRINGS DETENTION BASIN 1.
- NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITIES REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SUB SECTION 107.17 TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL USE EXTREME CARE WORKING OVER OR NEAR ANY EXISTING GAS MAINS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- FENCES, SIGNS, STRUCTURES, LIGHTS AND OTHER EXISTING IMPROVEMENTS WITHIN STREET R/W SHALL BE REMOVED WHERE SHOWN ON THE CONTRACT DRAWINGS, AND AS REQUIRED BY THE ENGINEER.
- REPLACEMENT, RELOCATION OR RECONSTRUCTION OF ALL EXISTING IMPROVEMENTS INCLUDING FENCES, WALL SIGNS, AND ALL OTHER ITEMS APPLICABLE TO THIS CONTRACT SHALL BE AS REQUIRED BY THE ENGINEER.
- THE CONTRACTOR SHALL BACKFILL AND FINAL GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER.
- ALL GRADING SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND TECHNICAL SPECIFICATIONS WHERE CONFLICTS OCCUR THE MOST RESTRICTIVE SHALL GOVERN.
- 48 HOURS PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT:

| | |
|---------------------------------|------------------------|
| NEVADA POWER COMPANY | PHONE - 1-800-227-2600 |
| EMBARO | PHONE - 1-800-227-2600 |
| LAS VEGAS VALLEY WATER DISTRICT | PHONE - (702) 870-2011 |

**DEPARTMENT 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 SAWCUTS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
- CURB AND GUTTER WITH A GRADE OF LESS THE 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 INCH (1/2") 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 & 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 FIELD BY A CLARK COUNTY PUBLIC WORKS INSPECTOR.
- PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL ON 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 FEET (10') OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATES ARE NOT TO BE CONSIDERED AS A TRENCH. NO OPEN TRENCH 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 PERMITTEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
- COMPACTION TESTS ARE REQUIRED.

TRAFFIC NOTES

- ALL PERMANENT TRAFFIC DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- 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 MARKING 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 A123.
- ALL STREET LIGHTING INSTALLATIONS EXCEPT NOTED ON STREET LIGHTING PLAN 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, FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (FAST) 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.
- FAST 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 FAST. ANY DAMAGE TO THIS CABLE IS DEEMED AN EMERGENCY BY FAST. CITY OF LAS VEGAS, CLARK COUNTY AND NDOT AND MUST BE REPAIRED IMMEDIATELY TO FAST ACCEPTANCE. \$2,500 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 STREETLIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, AN ELECTRICAL ENGINEER OR A CLARK COUNTY APPROVED LICENSED ELECTRICIAN 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-ON 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.
- "THIS SET OF PLANS ARE CERTIFIED TO CONFORM TO THE REQUIREMENTS OF THE TRAFFIC STUDY ACCEPTANCE LETTER."

LEGEND AND ABBREVIATIONS

| LEGEND | ABBREVIATIONS |
|-------------------------------|-----------------------------------------------------|
| (00.0) | A = AREA |
| RV | AC = ASPHALTIC CONCRETE |
| 00.0 | AF = ACRE-FOOT |
| RV | ASTM = AMERICAN SOCIETY FOR TESTING AND MATERIALS |
| PROPOSED ELEVATION | BCR = BEGIN CURB RETURN |
| PROPERTY OR RIGHT-OF-WAY LINE | BW = BACK OF WALK |
| CENTERLINE | CC = CLARK COUNTY |
| HYDRAULIC GRADE LINE (HGL) | CF = CURB FACE |
| ENERGY GRADE LINE (EGL) | CFS = CUBIC FEET PER SECOND |
| EASEMENT | CL/C = CENTERLINE |
| CONSTRUCTION LIMITS | CLSM = CONTROLLED LOW STRENGTH MATERIAL |
| EXISTING TELEPHONE CABLE | CONTR. LINE |
| EXISTING CHAIN-LINK FENCE | DS = DOWN SPOUT |
| PROPOSED CHAIN-LINK FENCE | EA = EACH |
| EXISTING SANITARY SEWER LINE | ELEV. EL = ELEVATION |
| PROPOSED SANITARY SEWER LINE | EP = EDGE OF PAVEMENT |
| EXISTING WATER LINE | EXIST. EX = EXISTING |
| EXISTING GAS LINE | FF = FINISH FLOOR |
| EXISTING UNDERGROUND POWER | FG = FINISHED GRADE |
| EXISTING OVERHEAD POWER | FI = FINISH GRADE |
| EXISTING STORM DRAIN | FL = FLOW LINE |
| PROPOSED STORM DRAIN | FNC = FENCE |
| EXISTING CABLE TELEVISION | FT = FEET |
| EXISTING CONTOUR | FUT = FUTURE |
| PROPOSED INDEX CONTOUR | G = GAS |
| PROPOSED CONTOUR | GB = GRADE BREAK |
| SAWCUT LINE | GR = GRATE ELEVATION |
| EXISTING MANHOLE | HDPE = HIGH DENSITY POLYETHYLENE |
| PROPOSED MANHOLE | HP = HIGH POINT |
| EXISTING FIRE HYDRANT | INV = INVERT |
| EXISTING VALVE | LF = LINEAR FEET |
| PROPOSED VALVE | LVWD = LAS VEGAS VALLEY WATER DISTRICT |
| PROPOSED DROP INLET | NG = NATURAL GRADE |
| PROPOSED REUSE HYDRANT | NE = NEVADA POWER |
| PROPOSED CHANNEL | O.C. = ON CENTER |
| WARNING SIGN ON POST | O.D. = OUTSIDE DIAMETER |
| | PC = POINT OF CURVE |
| | PCC = POINT OF COMPOUND CURVE |
| | PL = PLATE |
| | PMF = PROBABLE MAXIMUM FLOOD |
| | PRC = POINT REVERSE CURVE |
| | PT = POINT OF TANGENT |
| | PVC = POLYVINYL CHLORIDE PIPE |
| | Q = FLOW RATE |
| | Q100 = 100-YEAR FLOWRATE |
| | R = RADI |
| | R/W = RIGHT-OF-WAY |
| | RCA = REINFORCED CONCRETE ARCH |
| | RCB = REINFORCED CONCRETE BOX |
| | ROC = ROLLER COMPACTED CONCRETE |
| | RCP = REINFORCED CONCRETE PIPE |
| | RR = RAILROAD |
| | S = STORAGE |
| | SD = STORM DRAIN |
| | SDDI = STORM DRAIN DROP INLET |
| | SDMH = STORM DRAIN MANHOLE |
| | SMH = SEWER MANHOLE |
| | SQ MI = SQUARE MILES |
| | SS = SEWER |
| | STA = STATION |
| | STLT = STREET LIGHT |
| | T = TIME |
| | THK = THICK |
| | TC = TOP BACK OF CURB |
| | TOE = TOE OF CHANNEL |
| | TOP = TOP OF CHANNEL |
| | TRANS = TRANSITION |
| | TRW = TOP OF RETAINING |
| | TW = TOP OF WALL |
| | UDACS = UNIFORM DESIGN AND CONSTRUCTION STANDARDS |
| | USDCCA = UNIFORM STANDARD DRAWING CLARK COUNTY AREA |
| | VAR. = VARIES |
| | W = WATER |
| | W/ = WITH |
| | WSE = WATER SURFACE ELEVATION |

NOTES

- THE BORROW AREA SHALL BE WITHIN THE LIMITS OF THE DETENTION BASIN GRADING.
- STRIPPING SHALL CONSIST OF OVER-EXCAVATING BELOW EMBANKMENT 12-18 INCHES TO 10 FEET BEYOND THE PLACEMENT OF FILL AND SCARPING TO DEPTH OF 8 INCHES MINIMUM. AREA OF STRIPPING SHALL INCLUDE ACCESS ROADS, MAINTENANCE ROADS, OUTLET PIPE TRENCHING, CHANNELS, EMBANKMENT, AND ANY AREA TO BE SCARIFIED AND RECOMPACTED.
- SURPLUS MATERIAL FROM GRADING OPERATIONS SHALL BE PLACED FROM THE EXISTING GROUND UP, DOWNSLOPE FROM THE EMBANKMENT. SURPLUS MATERIAL SHALL NOT BE PLACED WITHIN THE SPILLWAY LIMITS.

DISCLAIMER 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 AND OVERHEAD 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)

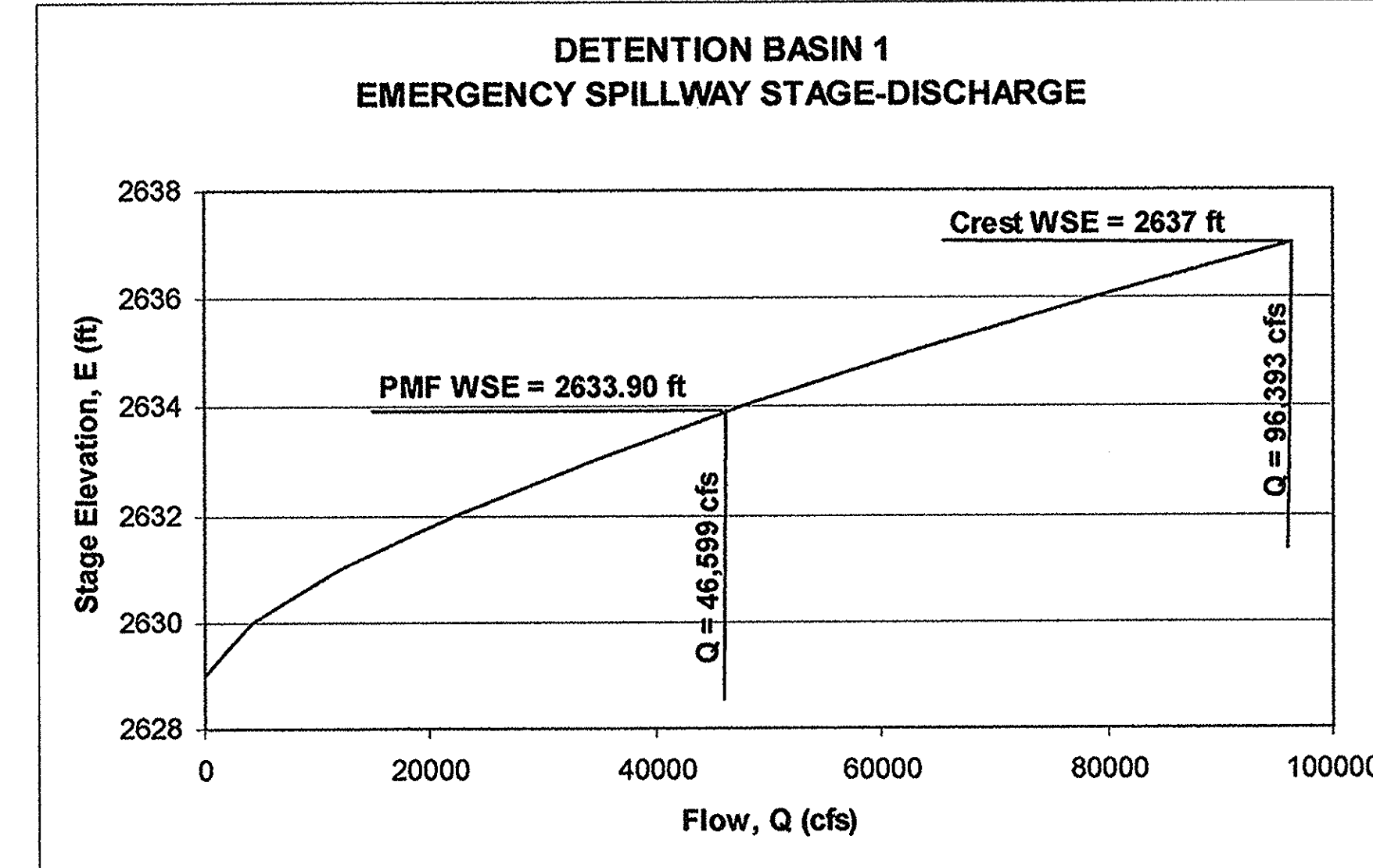
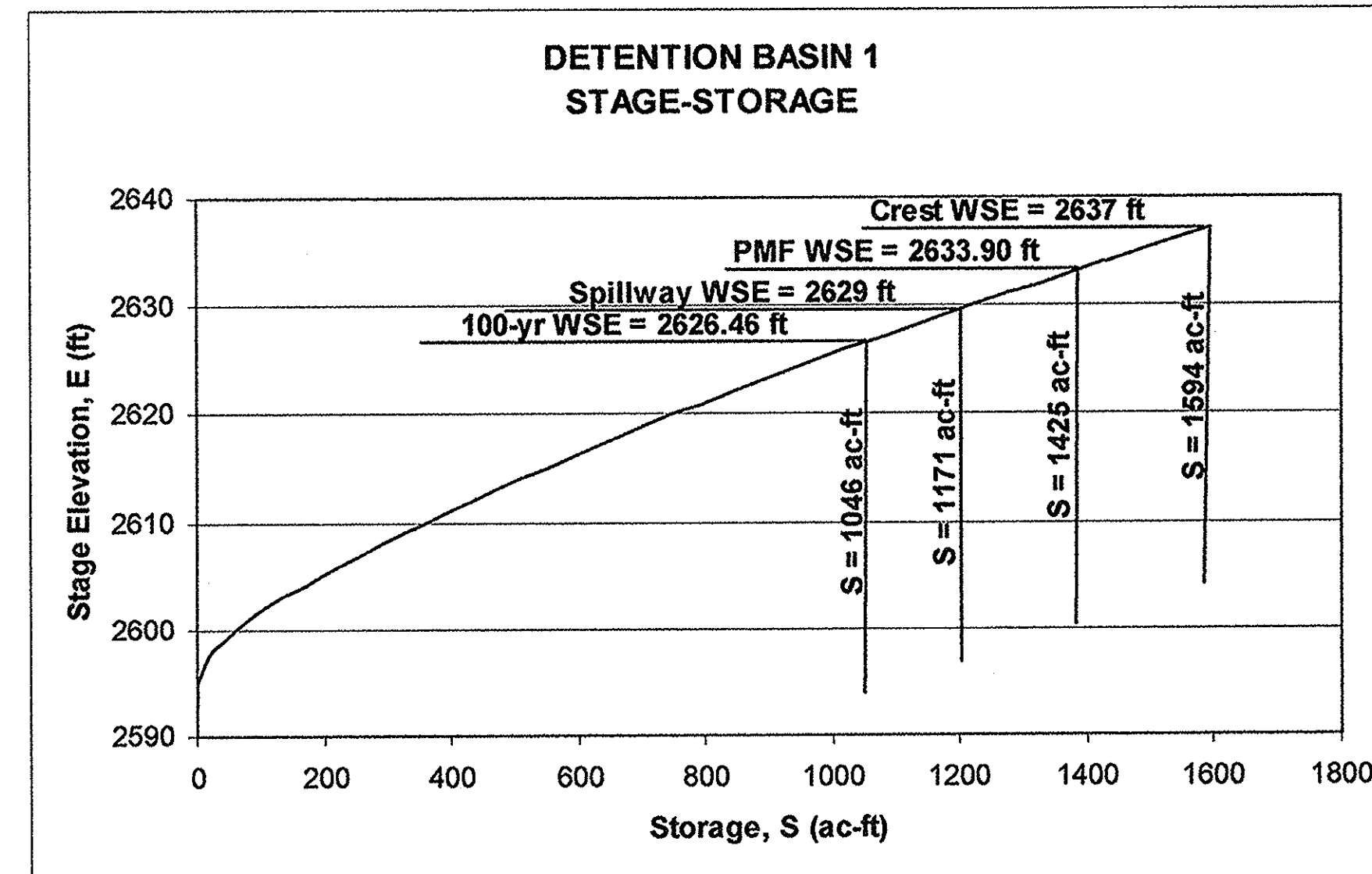
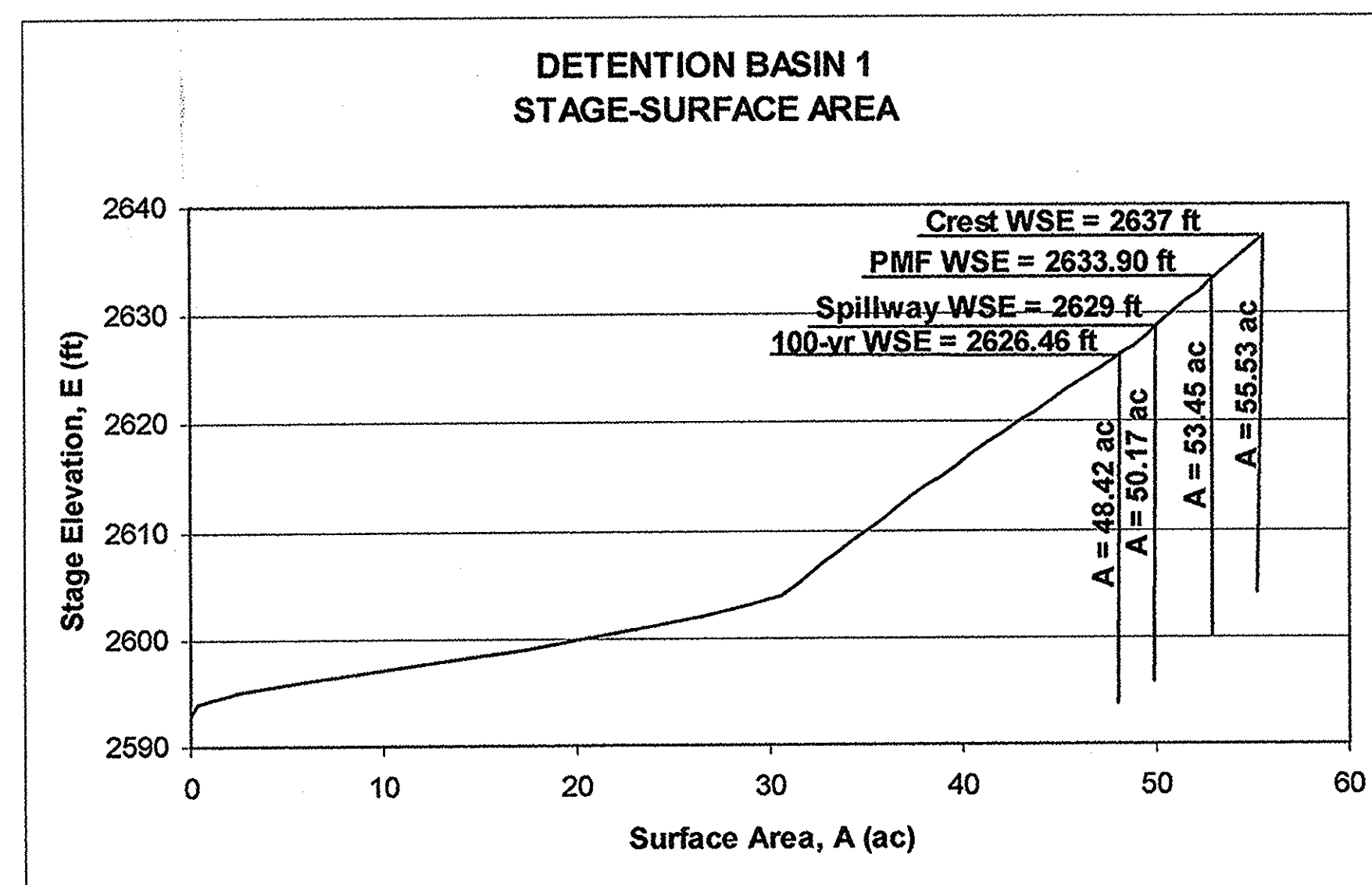
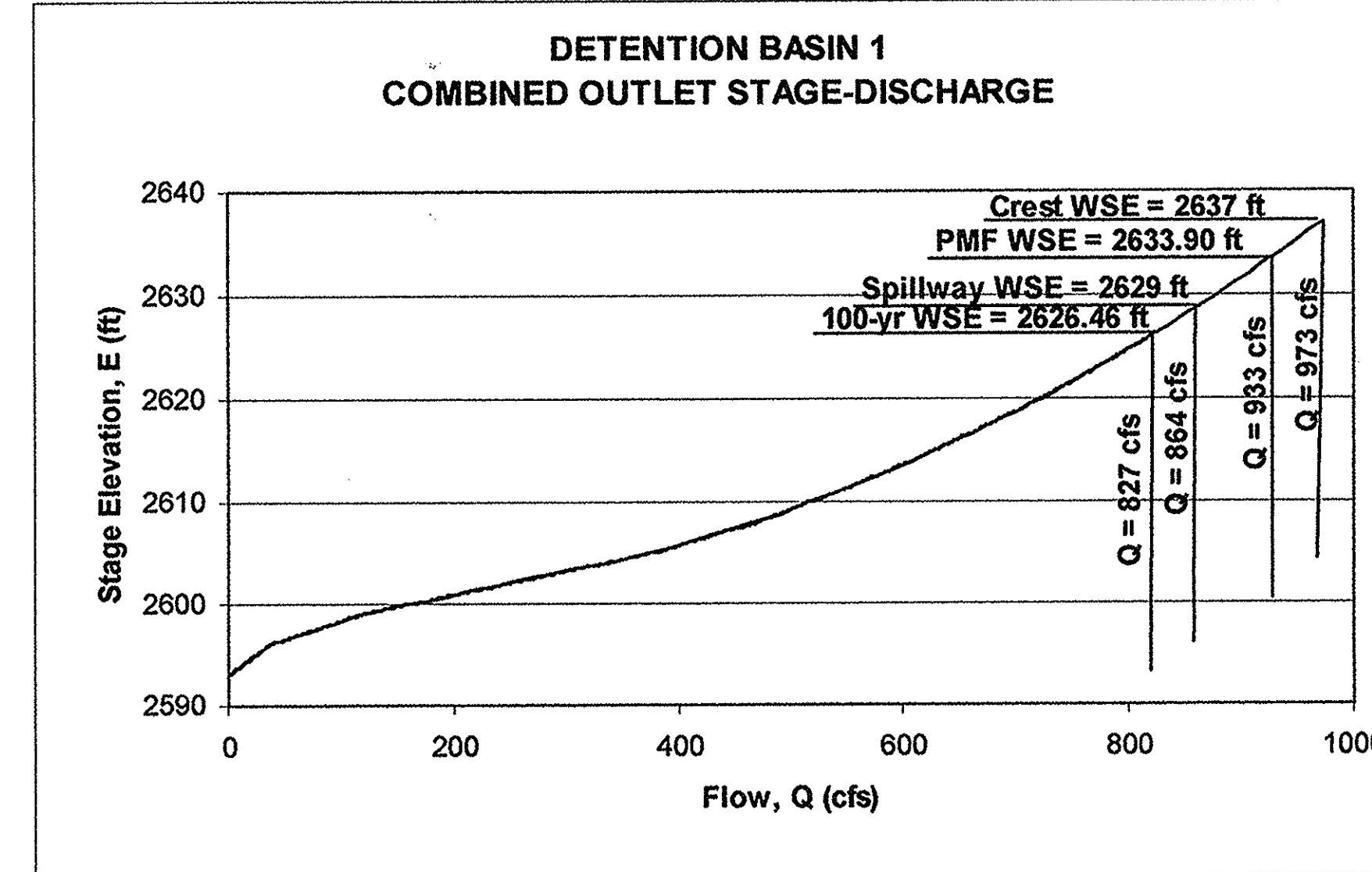
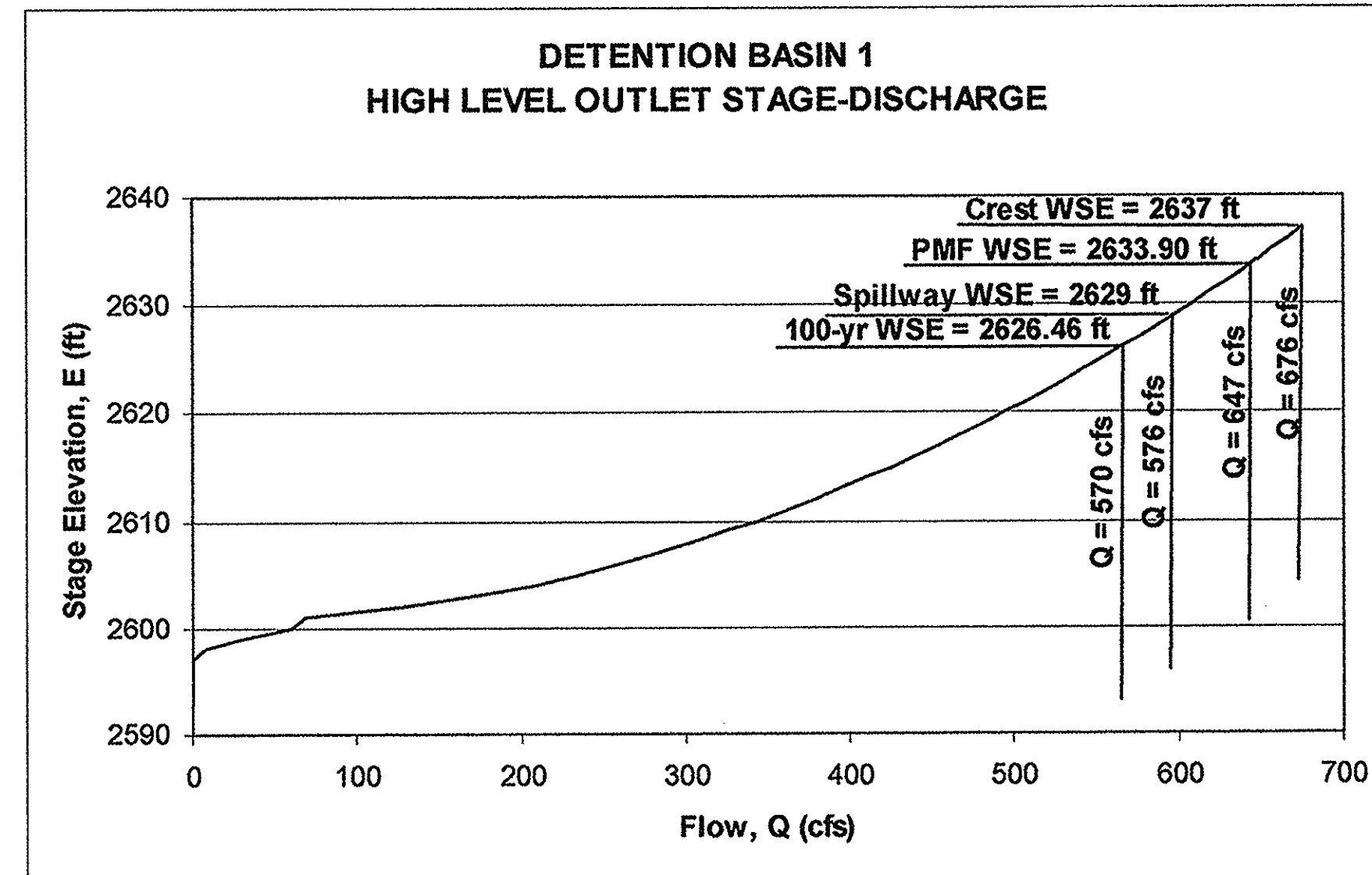
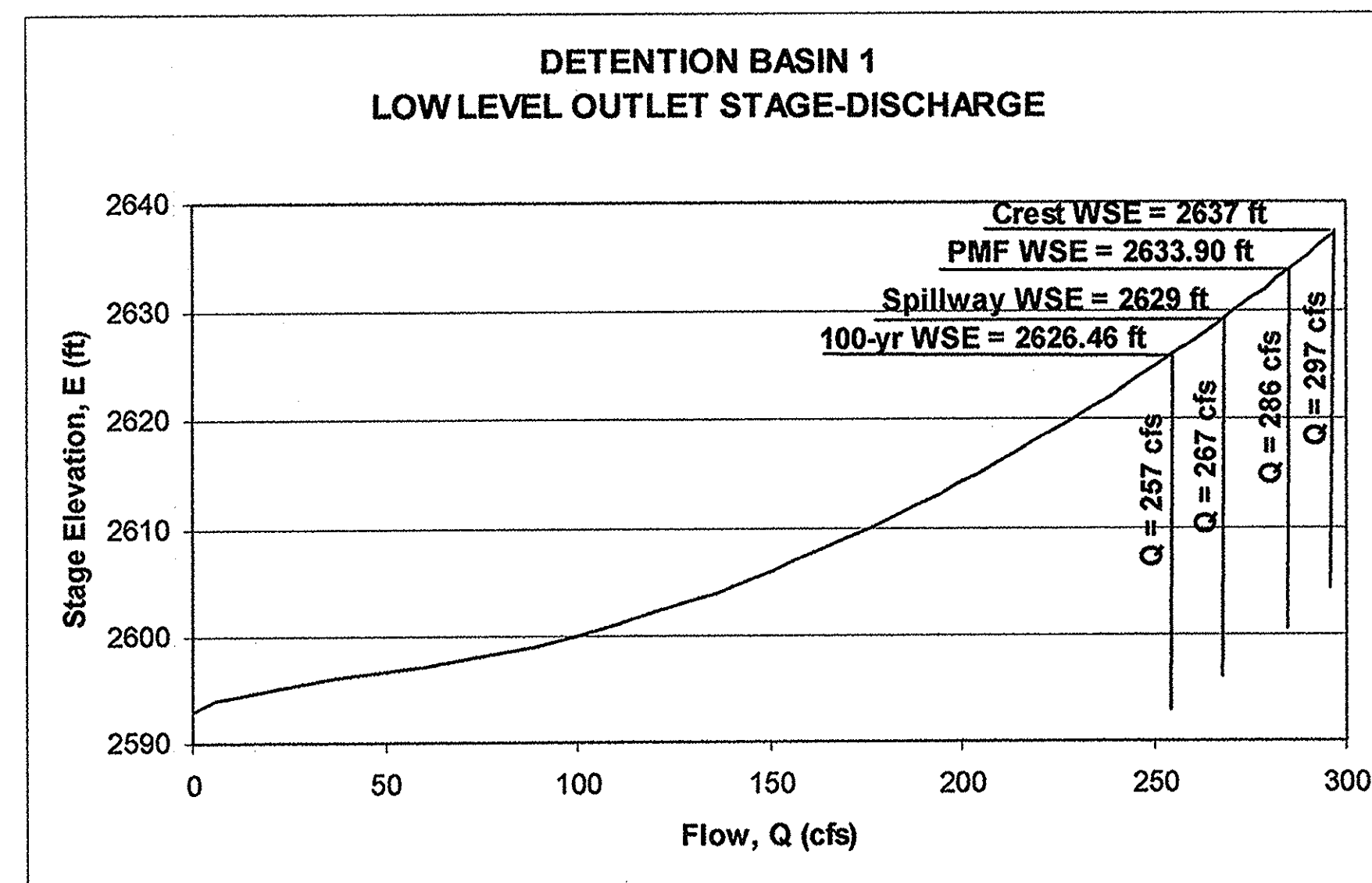
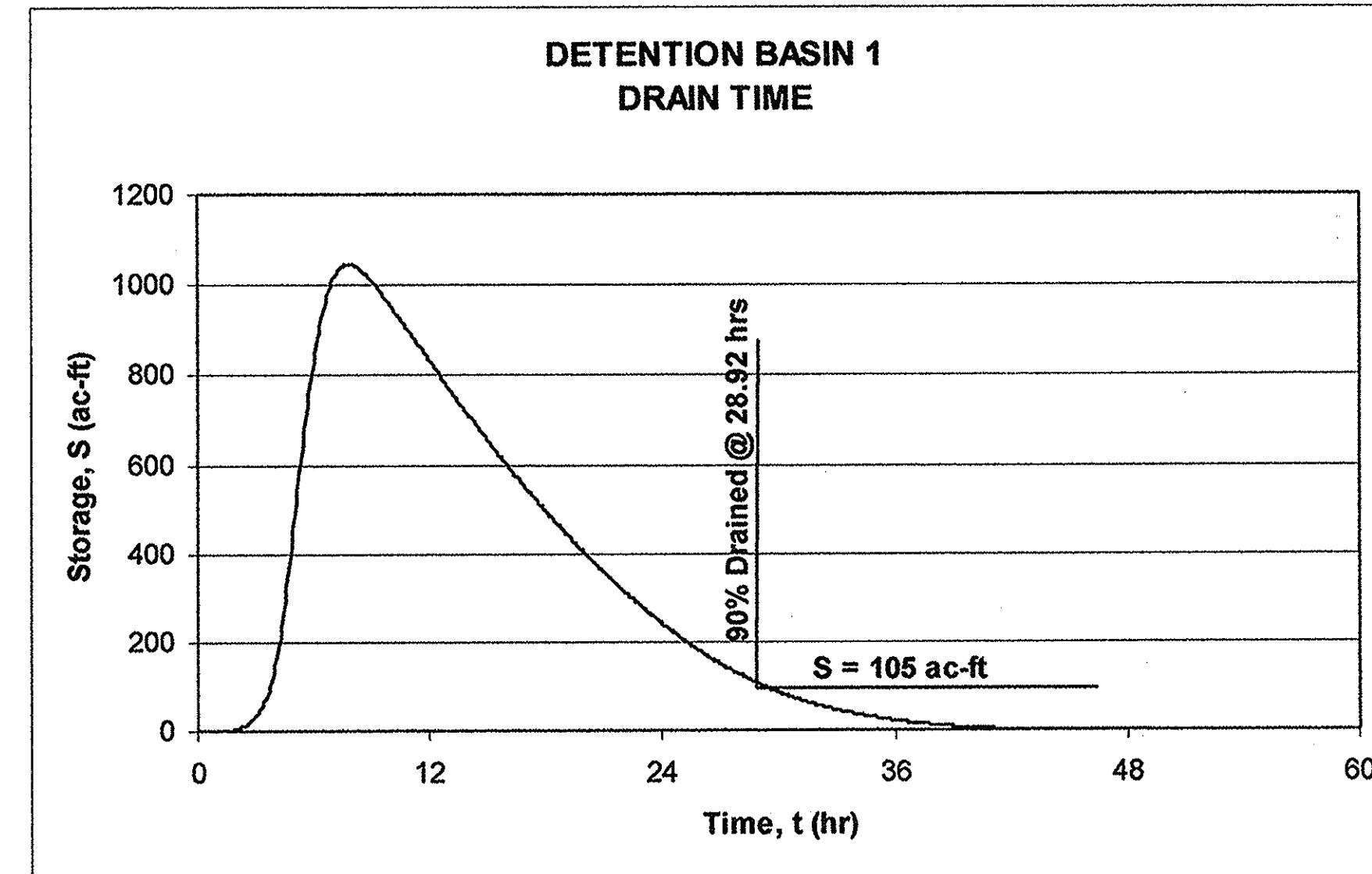
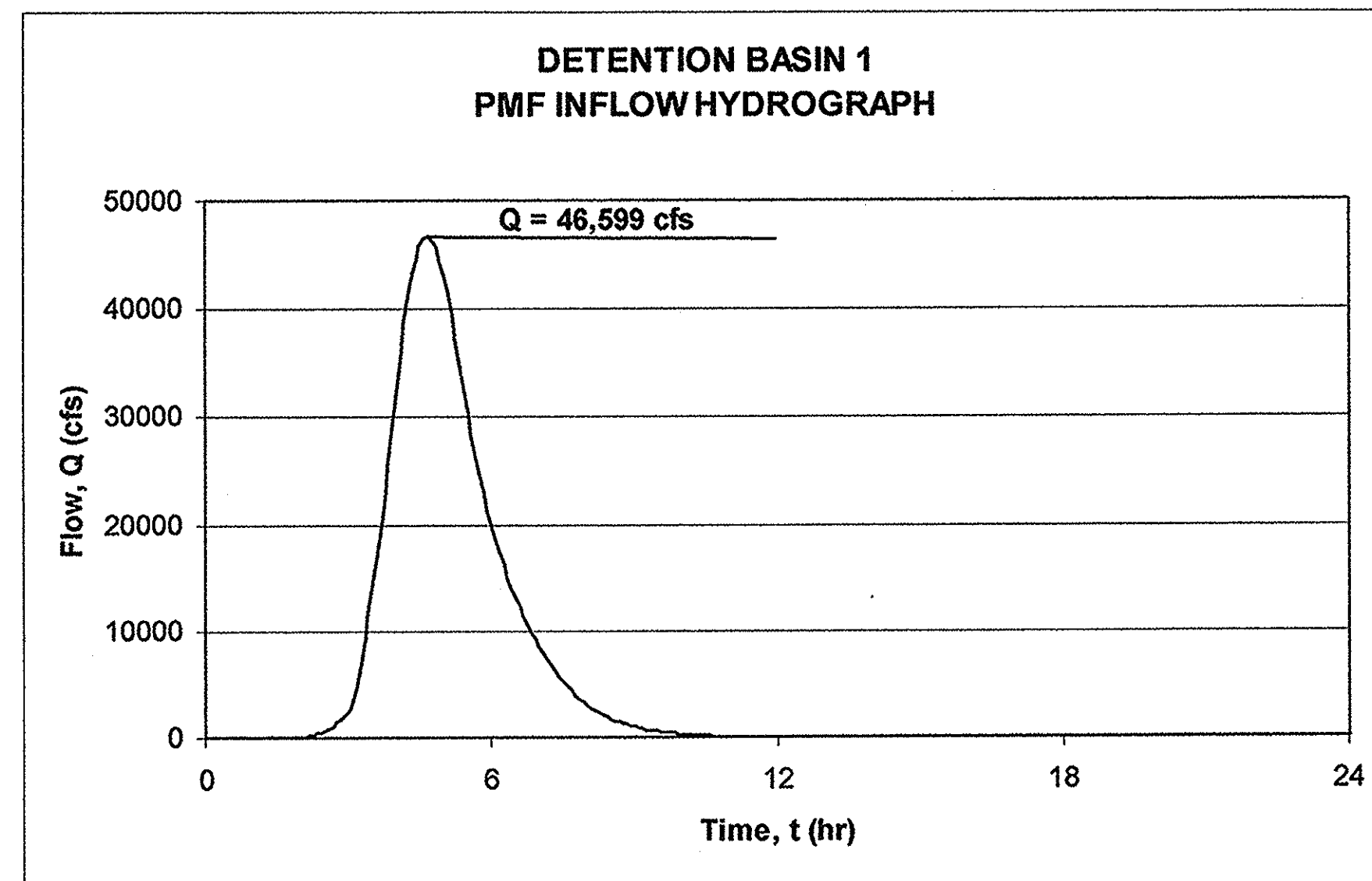
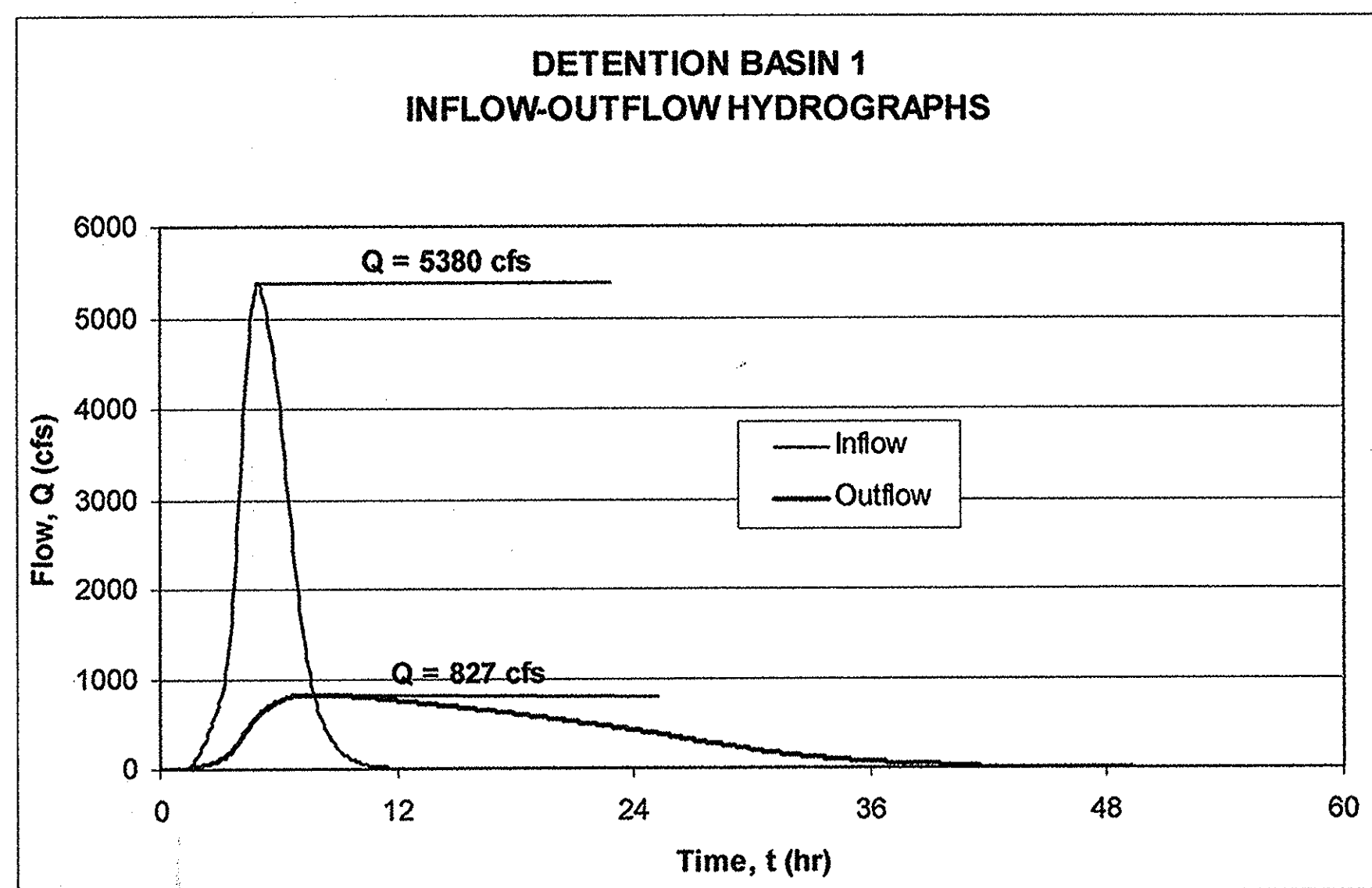
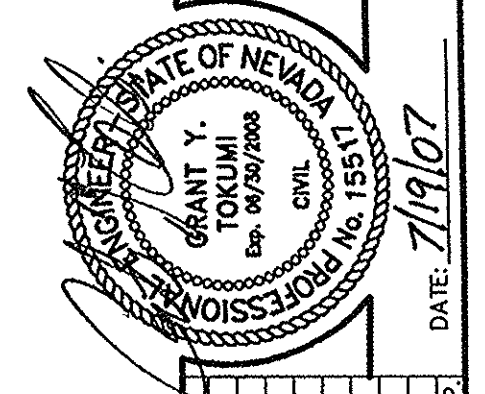
Avoid hitting overhead power lines. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

COYOTE SPRINGS
 DETENTION BASIN 1
 NOTES, LEGEND AND ABBREVIATIONS

G.C. WALLACE COMPANIES
 ENGINEERS | PLANNERS | SURVEYORS
 1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
 TEL: 702.804.2000 FAX: 702.804.2299 - GCWALLACE.COM

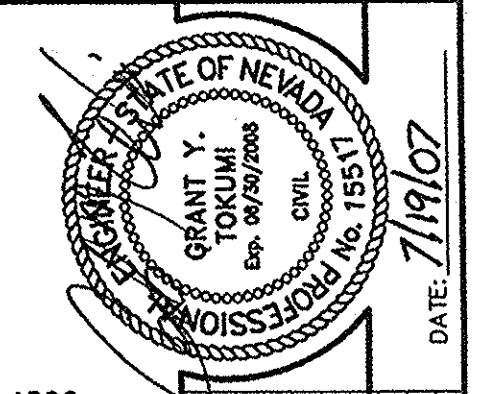
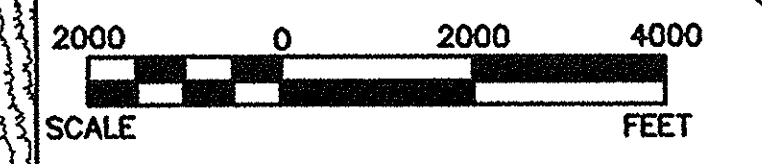
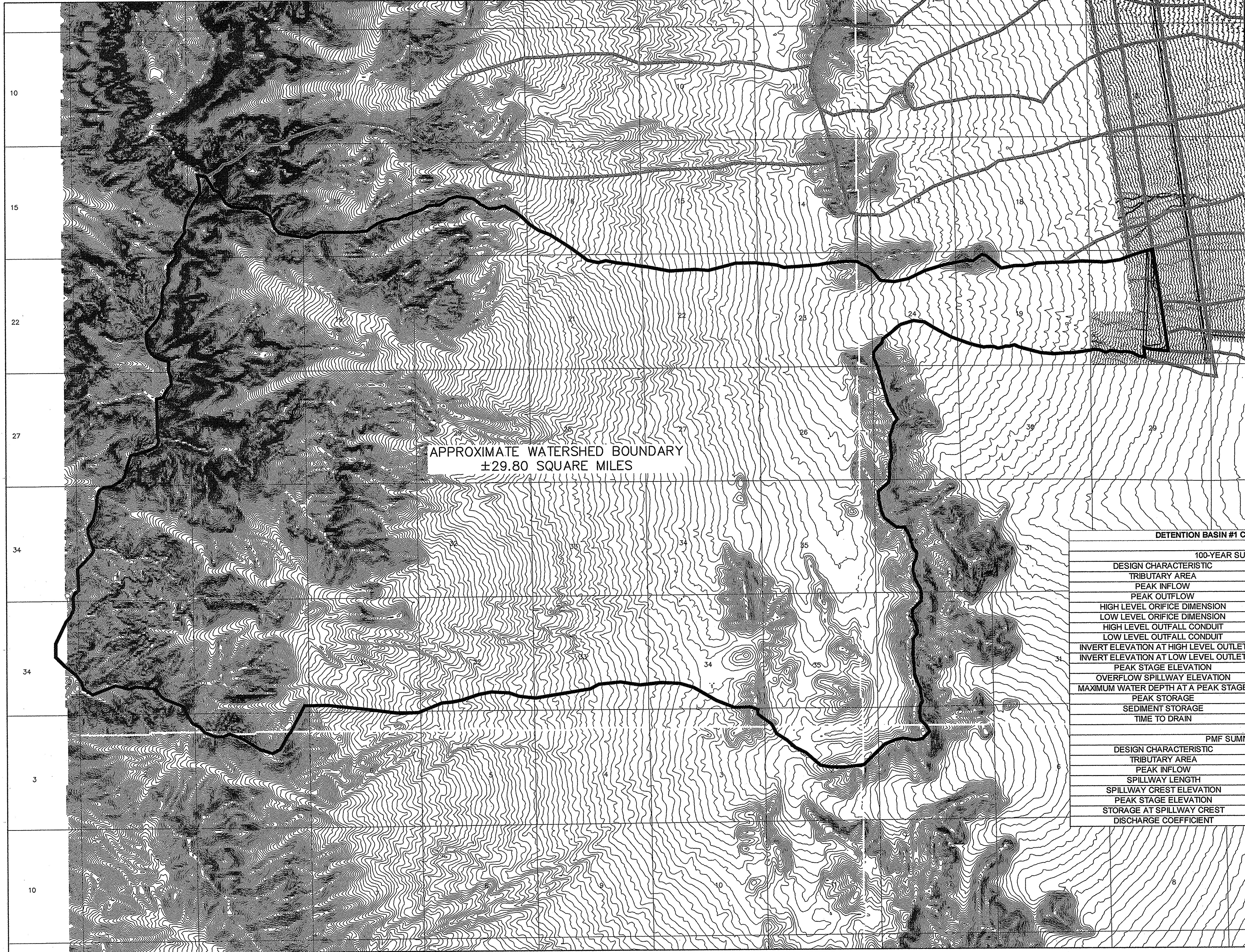


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G.C. WALLACE COMPANIES
 ENGINEERS | PLANNERS | SURVEYORS
 1555 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89146
 T: 702.894.2000 F: 702.894.2299 GCWALLACE.COM

COYOTE SPRINGS
 DETENTION BASIN 1
 CAPACITY CURVES AND HYDROLOGIC INFORMATION



APPROXIMATE WATERSHED BOUNDARY
±29.80 SQUARE MILES

| DETENTION BASIN #1 CHARACTERISTICS | |
|---------------------------------------|------------------|
| 100-YEAR SUMMARY | |
| DESIGN CHARACTERISTIC | DESIGN PARAMETER |
| TRIBUTARY AREA | 29.80 SQ MI |
| PEAK INFLOW | 5380 CFS |
| PEAK OUTFLOW | 827 CFS |
| HIGH LEVEL ORIFICE DIMENSION | 64" |
| LOW LEVEL ORIFICE DIMENSION | 41" |
| HIGH LEVEL OUTFALL CONDUIT | 84" RCP |
| LOW LEVEL OUTFALL CONDUIT | 60" RCP |
| INVERT ELEVATION AT HIGH LEVEL OUTLET | 2596.88 FT |
| INVERT ELEVATION AT LOW LEVEL OUTLET | 2593.27 FT |
| PEAK STAGE ELEVATION | 2626.46 FT |
| OVERFLOW SPILLWAY ELEVATION | 2629.00 FT |
| MAXIMUM WATER DEPTH AT A PEAK STAGE | 33.46 FT |
| PEAK STORAGE | 1046 AC FT |
| SEDIMENT STORAGE | 40 AC FT |
| TIME TO DRAIN | 28.92 HRS |
| PMF SUMMARY | |
| DESIGN CHARACTERISTIC | DESIGN PARAMETER |
| TRIBUTARY AREA | 29.80 SQ MI |
| PEAK INFLOW | 46599 CFS |
| SPILLWAY LENGTH | 1420 FT |
| SPILLWAY CREST ELEVATION | 2629.00 FT |
| PEAK STAGE ELEVATION | 2633.9 FT |
| STORAGE AT SPILLWAY CREST | 1171.3 |
| DISCHARGE COEFFICIENT | 3.0 |

DATE: 7/19/07

| REV. | DATE | DESCRIPTION |
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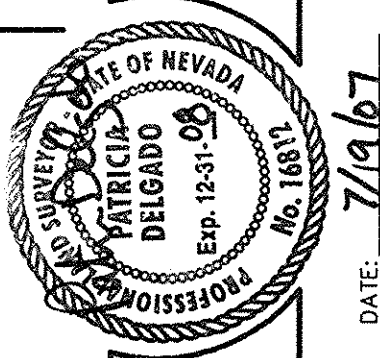
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 PLOT TIME: 14:51:45

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 888 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
 P: 702.804.3000 F: 702.804.2299 GCWALLACE.COM

COYOTE SPRINGS
 DETENTION BASIN 1
 WATERSHED BOUNDARY MAP

DRAWING
Q5

5 OF 26 SHTS
 HTE: 07-3265



DATE: 7/19/27

DATE: 7/19/27

DATE: 7/19/27

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DATE: 7/19/27

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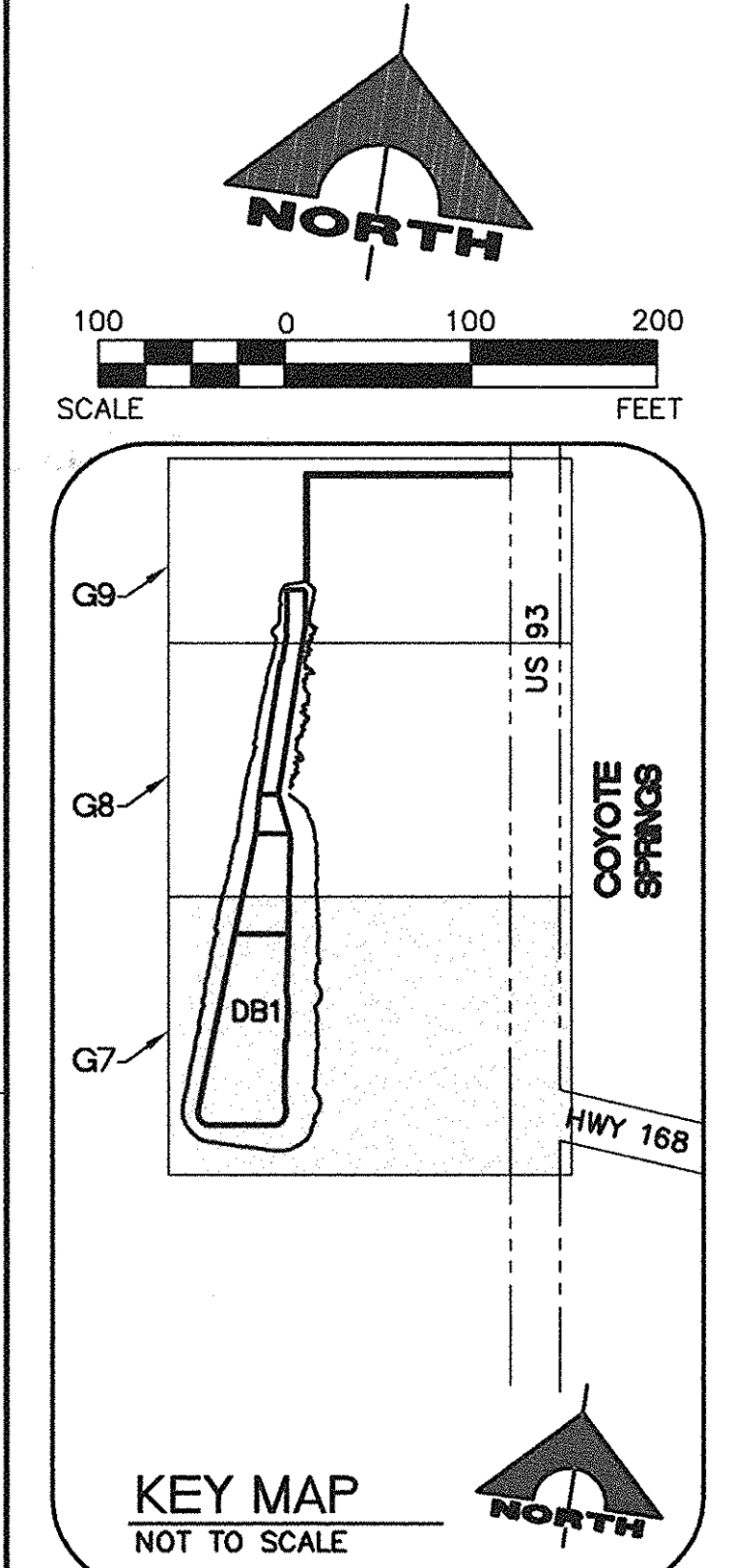
DATE: 7/19/27

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DATE: 7/19/27

DATE: 7/19/27

MATCHLINE - SEE SHEET G8



100.00' SPECIAL USE PERMIT FOR STORM WATER, UTILITY AND ACCESS GRANTED TO COYOTE SPRINGS INVESTMENT LLC, AND PARDEE HOMES OF NEVADA, TO BE PRIVATELY MAINTAINED (BLM PERMIT APPLICATION # N82373)

CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
|-------|---------|---------|----------|------------|
| C1 | 15.00 | 23.56 | 15.00 | 90°00'00" |
| C2 | 200.00 | 91.53 | 46.58 | 26°13'18" |
| C3 | 50.00 | 78.54 | 50.00 | 90°00'00" |
| C4 | 67.01 | 108.19 | 70.00 | 92°29'56" |
| C5 | 52.92 | 86.35 | 56.25 | 93°29'43" |
| C6 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C7 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C8 | 52.97 | 81.11 | 50.92 | 87°44'01" |
| C9 | 64.97 | 99.49 | 62.45 | 87°44'01" |
| C10 | 242.71 | 36.44 | 18.26 | 8°36'12" |
| C11 | 222.72 | 33.58 | 16.82 | 8°38'27" |
| C12 | 200.00 | 31.22 | 15.64 | 8°56'37" |
| C13 | 500.00 | 80.10 | 40.14 | 9°10'43" |
| C14 | 522.63 | 36.24 | 18.13 | 3°58'22" |
| C15 | 496.68 | 35.90 | 17.96 | 4°08'30" |
| C16 | 100.00 | 89.11 | 47.76 | 51°03'21" |
| C17 | 40.00 | 71.25 | 49.44 | 102°03'17" |
| C18 | 40.00 | 41.89 | 23.09 | 60°00'00" |
| C19 | 486.07 | 490.42 | 268.38 | 57°48'34" |
| C20 | 15.00 | 16.79 | 9.40 | 64°08'45" |
| C21 | 15.00 | 43.50 | 123.62 | 166°09'48" |
| C22 | 20.00 | 16.59 | 8.81 | 47°32'16" |
| C23 | 116.45 | 52.81 | 26.87 | 25°59'04" |
| C24 | 200.00 | 95.04 | 48.43 | 27°13'32" |
| C25 | 500.00 | 20.43 | 10.21 | 2°20'26" |
| C26 | 241.96 | 57.05 | 28.66 | 13°30'32" |
| C27 | 242.39 | 51.74 | 25.97 | 12°13'49" |
| C28 | 225.96 | 53.69 | 26.97 | 13°36'49" |
| C29 | 226.39 | 48.27 | 24.23 | 12°13'02" |
| C30 | 141.00 | 69.67 | 35.56 | 28°18'31" |
| C31 | 125.00 | 61.76 | 31.52 | 28°18'31" |
| C32 | 200.00 | 66.79 | 33.71 | 19°08'01" |
| C33 | 542.21 | 26.91 | 13.46 | 2°50'37" |
| C34 | 900.00 | 26.68 | 13.34 | 3°03'25" |
| C35 | 25.01 | 78.43 | INFINITE | 179°13'55" |
| C36 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C37 | 49.39 | 82.47 | 54.54 | 95°40'19" |
| C38 | 65.00 | 107.18 | 70.29 | 94°28'46" |
| C39 | 85.00 | 140.18 | 91.94 | 94°29'27" |
| C40 | 100.78 | 164.25 | 106.91 | 93°22'58" |
| C41 | 25.01 | 79.63 | 1166.57 | 182°27'21" |
| C42 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C43 | 15.00 | 24.53 | 16.00 | 93°42'17" |
| C44 | 1200.00 | 33.71 | 16.86 | 1°36'34" |
| C45 | 23.00 | 66.29 | 176.28 | 165°07'58" |
| C46 | 1200.00 | 110.88 | 55.48 | 51°17'39" |
| C47 | 25.01 | 78.73 | INFINITE | 180°24'43" |
| C48 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C49 | 101.76 | 96.50 | 52.22 | 54°20'21" |
| C50 | 85.00 | 161.05 | 118.20 | 108°33'25" |
| C51 | 65.00 | 123.15 | 90.39 | 108°33'25" |
| C52 | 48.65 | 47.96 | 26.13 | 56°29'05" |
| C53 | 48.66 | 46.02 | 24.90 | 54°11'16" |
| C54 | 101.74 | 92.67 | 49.83 | 52°11'04" |
| C55 | 25.01 | 78.72 | INFINITE | 180°21'16" |
| C56 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C57 | 800.00 | 601.31 | 315.66 | 43°03'51" |
| C58 | 100.00 | 37.67 | 19.06 | 21°35'00" |
| C59 | 13.00 | 21.40 | 14.02 | 94°18'18" |
| C60 | 1000.00 | 1077.15 | 597.49 | 61°42'58" |
| C61 | 13.00 | 21.90 | 14.57 | 96°30'43" |
| C62 | 13.00 | 14.52 | 8.12 | 64°00'22" |
| C63 | 202.04 | 116.79 | 60.08 | 33°07'12" |
| C64 | 199.90 | 83.98 | 42.62 | 24°04'10" |
| C65 | 100.00 | 78.87 | 41.61 | 45°11'15" |
| C66 | 40.00 | 61.18 | 38.38 | 87°38'08" |
| C67 | 100.00 | 77.52 | 40.82 | 44°24'55" |
| C68 | 150.00 | 90.13 | 51.45 | 37°51'49" |
| C69 | 40.00 | 53.38 | 31.51 | 76°27'19" |
| C70 | 150.00 | 87.60 | 45.09 | 33°27'38" |
| C71 | 222.77 | 346.62 | 219.48 | 89°08'54" |
| C72 | 206.77 | 321.72 | 203.72 | 89°08'54" |
| C73 | 100.00 | 155.59 | 98.52 | 89°08'54" |
| C74 | 211.98 | 369.73 | 252.33 | 99°55'55" |
| C75 | 197.98 | 345.31 | 235.66 | 99°55'55" |
| C76 | 100.00 | 177.66 | 123.04 | 101°47'40" |

LATITUDE 36°48'03.80" N
LONGITUDE 114°57'17.21" W

| LINE | LENGTH | BEARING |
|------|--------|-------------|
| L1 | 102.76 | N81°37'29"E |
| L2 | 100.98 | N81°37'29"E |
| L3 | 273.20 | S10°59'36"E |
| L4 | 213.45 | S10°59'36"E |
| L5 | 95.55 | S49°17'36"E |
| L6 | 98.21 | S49°17'36"E |
| L7 | 116.16 | S30°25'56"E |
| L8 | 114.08 | S30°25'56"E |
| L9 | 30.85 | S34°32'29"E |
| L10 | 31.43 | S34°32'29"E |
| L11 | 34.83 | S08°21'23"E |
| L12 | 27.22 | S08°20'58"E |
| L13 | 142.85 | N35°49'56"W |
| L14 | 100.36 | S07°31'25"E |
| L15 | 100.30 | N07°31'25"W |
| L16 | 70.80 | S07°31'26"E |
| L17 | 16.10 | S08°55'37"E |
| L18 | 197.14 | N78°22'43"E |
| L19 | 63.07 | N81°36'17"E |
| L20 | 88.52 | N04°41'26"W |
| L21 | 57.13 | N81°37'29"E |
| L22 | 33.81 | S07°37'30"E |
| L23 | 33.29 | S07°37'30"E |
| L24 | 44.12 | S07°31'27"E |
| L25 | 45.65 | S07°31'27"E |
| L26 | 38.67 | S07°31'26"E |
| L27 | 49.38 | N81°37'29"E |
| L28 | 413.71 | S36°39'34"E |
| L29 | 139.25 | N86°54'16"E |
| L30 | 102.38 | N53°20'26"E |
| L31 | 30.77 | S66°39'14"W |
| L32 | 147.59 | N49°20'24"W |
| L33 | 78.01 | S06°39'53"E |
| L34 | 50.61 | S20°21'44"E |
| L35 | 39.45 | S07°31'26"E |

COORDINATE KEYNOTES

| No. | NORTHING | EASTING | DESCRIPTION |
|-----|---------------|-------------|---------------|
| 222 | 26998806.7561 | 839991.1917 | INFLOW |
| 223 | 26998735.8474 | 839988.2008 | INFLOW |
| 224 | 26998031.7070 | 839958.4996 | INFLOW |
| 225 | 26997904.4215 | 839953.1307 | INFLOW |
| 226 | 26997384.0632 | 839931.1817 | INFLOW |
| 227 | 26997164.2766 | 840037.5211 | INFLOW |
| 231 | 26998372.6481 | 840265.4684 | SEDIMENT GAGE |
| 232 | 26997464.3425 | 840260.7829 | SEDIMENT GAGE |

COORDINATE KEYNOTES

| No. | NORTHING | EASTING | DESCRIPTION |
|-----|---------------|-------------|------------------|
| 115 | 26998935.2192 | 840482.1308 | TOE |
| 116 | 26998924.4761 | 840492.1506 | TOP/BERM |
| 117 | 26998909.8503 | 840505.7919 | TOP/BERM |
| 118 | 26998907.4924 | 840707.5371 | CNTL-SPILLWAY |
| 119 | 26998905.2644 | 840691.6926 | ACCESS ROAD |
| 120 | 26998898.6448 | 840516.2430 | TOE |
| 121 | 26998892.6417 | 840589.2418 | ACCESS ROAD |
| 122 | 26998890.6034 | 840573.3720 | ACCESS ROAD |
| 123 | 26998873.9853 | 840712.0227 | CNTL-SPILLWAY |
| 124 | 26998867.9570 | 840550.8309 | TOE |
| 125 | 26998872.2675 | 840696.1100 | ACCESS ROAD |
| 126 | 26998865.6878 | 840575.6543 | CNTL-OUTFALL |
| 127 | 26998855.1009 | 840501.2716 | TOE |
| 128 | 26998857.0517 | 840552.2713 | TOE |
| 129 | 26998848.9055 | 840595.0185 | ACCESS ROAD |
| 130 | 26998847.6913 | 840550.9325 | TOE |
| 131 | 26998845.2863 | 840579.3575 | ACCESS ROAD |
| 132 | 26998830.3451 | 840308.0599 | CNTL-OUTFALL |
| 133 | 26998828.9661 | 840828.8368 | CNTL-OUTFALL |
| 134 | 26998818.9581 | 840557.3025 | TOE |
| 135 | 26998816.6298 | 840536.4875 | TOE |
| 136 | 26998807.0870 | 839985.2008 | ACCESS ROAD |
| 137 | 26998806.4152 | 839997.1827 | ACCESS ROAD |
| 138 | 26998805.1595 | 840519.1726 | TOP/BERM |
| 139 | 26998799.0460 | 840120.5303 | TOE/GB |
| 140 | 26998787.5728 | 840509.6485 | TOP/BERM |
| 141 | 26998774.6517 | 840502.6510 | TOE |
| 142 | 26998711.8854 | 840964.8330 | SWALE |
| 143 | 26998704.3661 | 840825.7871 | SWALE |
| 144 | 26998696.8587 | 840991.1222 | CNTL-ACCESS ROAD |
| 145 | 26998648.7857 | 841046.0849 | CNTL-ACCESS ROAD |
| 146 | 26998635.7344 | 840908.9962 | CNTL-ACCESS ROAD |
| 147 | 26998620.3740 | 841070.4795 | CNTL-ACCESS ROAD |
| 148 | 26998616.7831 | 840996.8414 | CNTL-ACCESS ROAD |
| 149 | 26998602.8416 | 840742.5199 | ACCESS ROAD |
| 150 | 26998497.0895 | 841075.8438 | CNTL-OUTFALL |
| 151 | 26998465.5977 | 841038.1999 | CNTL-ACCESS ROAD |
| 152 | 26998442.7048 | 840747.4519 | CNTL-SPILLWAY |
| 153 | 26998440.8478 | 840731.5600 | ACCESS ROAD |
| 154 | 26998435.7707 | 840716.3669 | ACCESS ROAD/GB |
| 155 | 26998434.5559 | 840777.7515 | ACCESS ROAD |
| 203 | 26998400.8767 | 841042.9600 | CENTER |
| 204 | 26998497.5248 | 841194.0410 | CENTER |
| 207 | 26998417.5256 | 841194.2091 | CENTER |
| 208 | 26998386.1857 | 841121.5995 | CENTER |

BASIS OF BEARINGS
NORTH 89°49'48" EAST, BEING THE BEARING OF THE SOUTH LINE OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M. AS SHOWN ON THAT PARCEL MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 98 OF PARCEL MAPS, AT PAGE 57.

BENCHMARK
USC&GS BENCHMARK STAMPED "X 301 1941" 3" DIAMETER BRASS DISK SET IN THE NORTH END OF A CONCRETE HEADWALL, 15 FEET EAST OF THE CENTERLINE OF OLD HIGHWAY 93, 6.1 MILES EAST OF THE INTERSECTION OF US 93 AND SR 168, APPROXIMATELY 1 MILE NORTH OF STATE ROUTE 168 ALONG OLD HIGHWAY 93.

NAVD88 ELEVATION = 783.873 (METERS), 2571.76 (FEET)

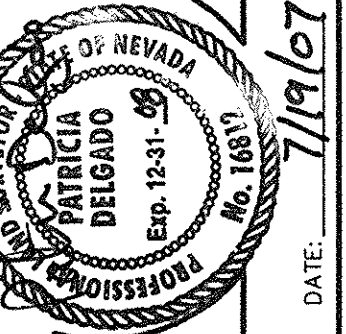
LEGAL DESCRIPTION
A PORTION OF SECTIONS 17 AND 20, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M., CLARK COUNTY, NEVADA

G. C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89106
702.886.0280 • F: 702.886.4259 • GCVALLACE.COM

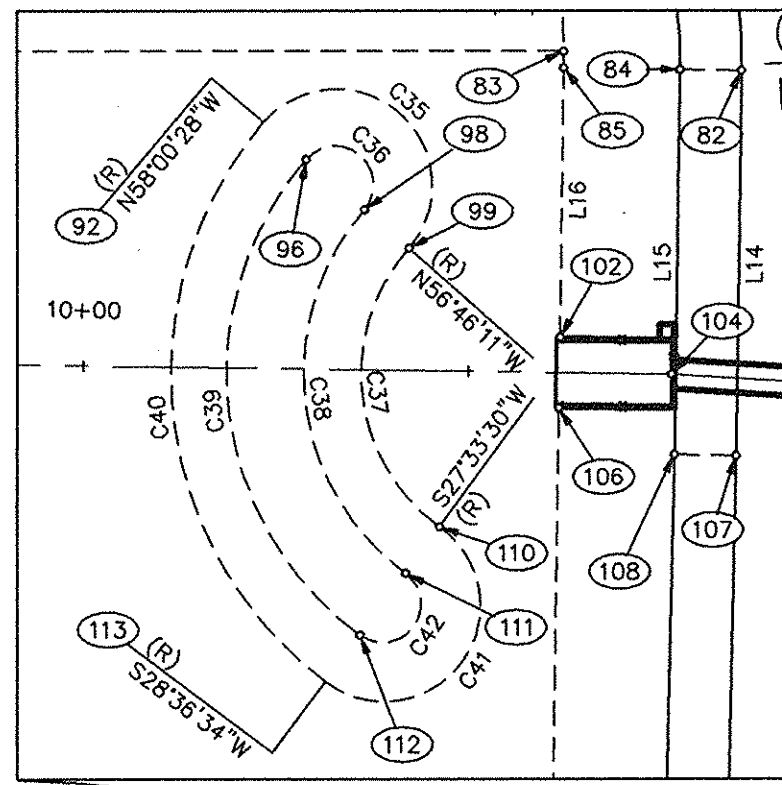
COYOTE SPRINGS
DETENTION BASIN 1
HORIZONTAL CONTROL PLAN

DRAWING
G7

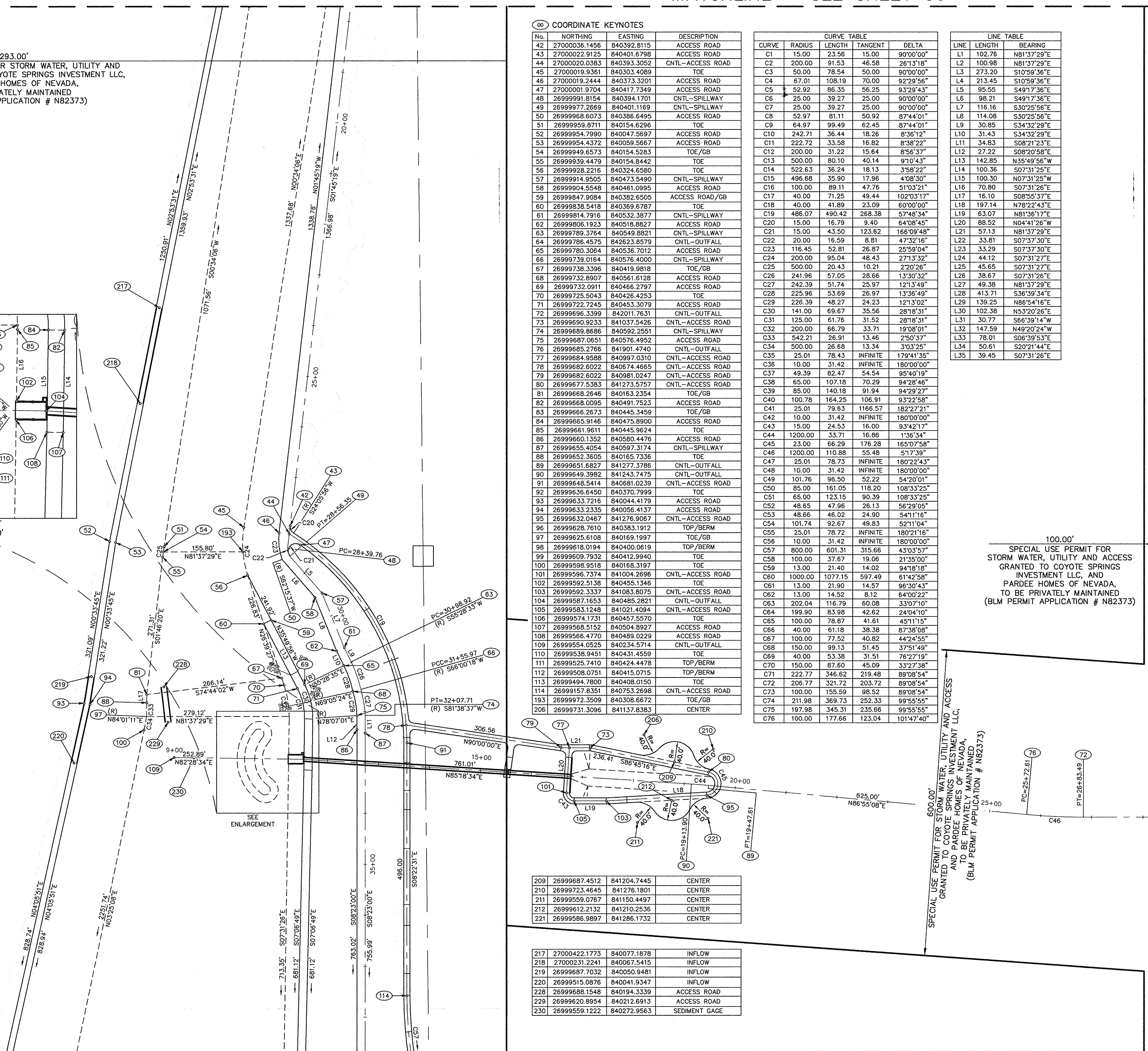
MATCHLINE - SEE SHEET G9



1293.00' SPECIAL USE PERMIT FOR STORM WATER, UTILITY AND ACCESS GRANTED TO COYOTE SPRINGS INVESTMENT LLC, AND PARDEE HOMES OF NEVADA, TO BE PRIVATELY MAINTAINED (BLM PERMIT APPLICATION # N82373)



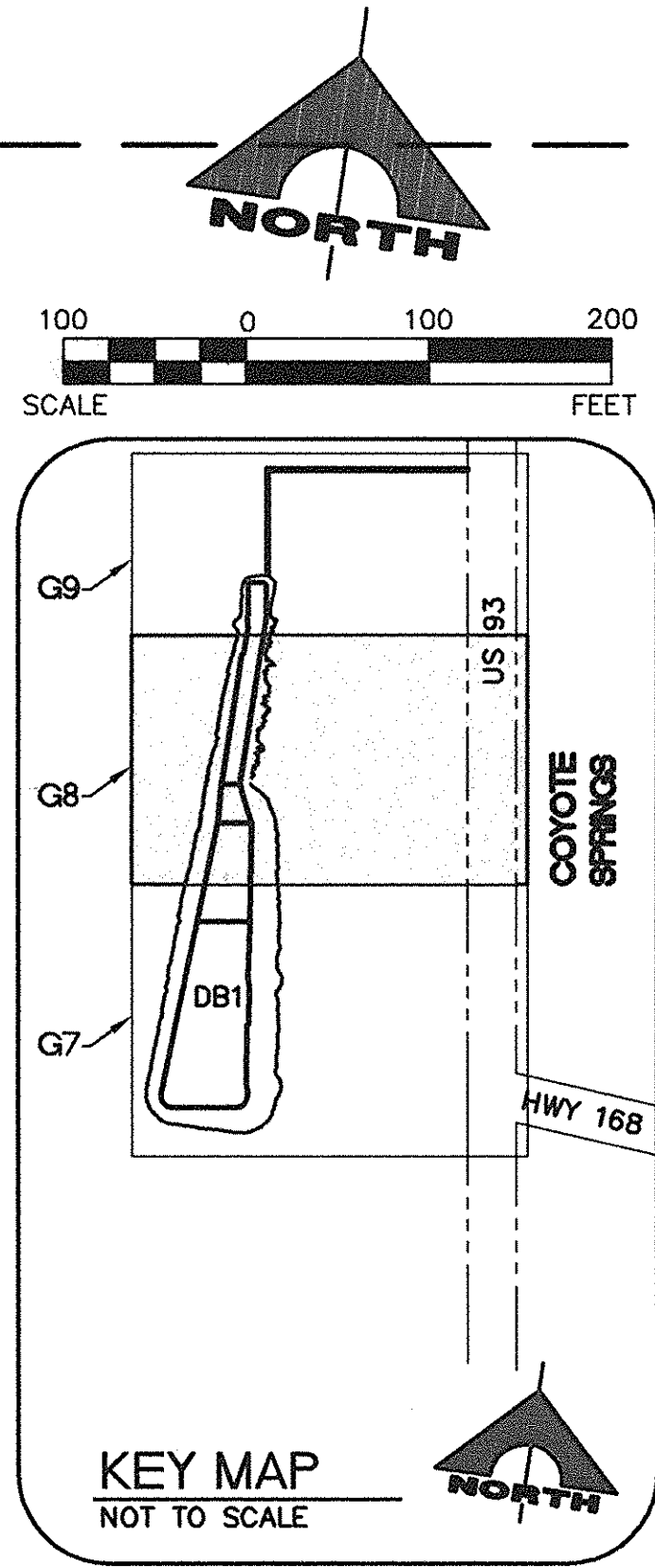
USA BLM 009-00-002-002



| COORDINATE KEYNOTES | | | |
|---------------------|---------------|-------------|------------------|
| No. | NORTHING | EASTING | DESCRIPTION |
| 42 | 27000036.1456 | 840392.8115 | ACCESS ROAD |
| 43 | 27000022.9125 | 840401.6798 | ACCESS ROAD |
| 44 | 27000020.0383 | 840393.3052 | CNTL-ACCESS ROAD |
| 45 | 27000019.9361 | 840303.4069 | TOE |
| 46 | 27000019.2444 | 840373.3201 | ACCESS ROAD |
| 47 | 27000001.9704 | 840417.7349 | ACCESS ROAD |
| 48 | 26999991.8154 | 840394.1701 | CNTL-SPILLWAY |
| 49 | 26999977.2669 | 840401.1169 | CNTL-SPILLWAY |
| 50 | 26999968.6073 | 840386.6495 | ACCESS ROAD |
| 51 | 26999959.8711 | 840154.6296 | TOE |
| 52 | 26999954.7990 | 840047.5697 | ACCESS ROAD |
| 53 | 26999954.4372 | 840059.5667 | ACCESS ROAD |
| 54 | 26999949.6573 | 840154.5283 | TOE/GB |
| 55 | 26999939.4479 | 840154.8442 | TOE |
| 56 | 26999928.2216 | 840324.6580 | TOE |
| 57 | 26999914.9505 | 840473.5490 | CNTL-SPILLWAY |
| 58 | 26999904.5548 | 840461.0995 | ACCESS ROAD |
| 59 | 26999884.9084 | 840382.6505 | ACCESS ROAD/GB |
| 60 | 26999838.5418 | 840369.6787 | TOE |
| 61 | 26999814.7916 | 840532.3877 | CNTL-SPILLWAY |
| 62 | 26999806.1923 | 840518.8827 | ACCESS ROAD |
| 63 | 26999789.3764 | 840549.8821 | CNTL-SPILLWAY |
| 64 | 26999786.4575 | 842623.8579 | CNTL-OUTFALL |
| 65 | 26999780.3064 | 840536.7012 | ACCESS ROAD |
| 66 | 26999739.0164 | 840576.4000 | CNTL-SPILLWAY |
| 67 | 26999738.3396 | 840419.9818 | TOE/GB |
| 68 | 26999732.8907 | 840561.6128 | ACCESS ROAD |
| 69 | 26999732.0911 | 840486.2797 | ACCESS ROAD |
| 70 | 26999725.5043 | 840426.4253 | TOE |
| 71 | 26999722.7245 | 840453.3079 | ACCESS ROAD |
| 72 | 26999696.3399 | 842011.7631 | CNTL-OUTFALL |
| 73 | 26999690.9233 | 841037.5426 | CNTL-ACCESS ROAD |
| 74 | 26999689.6886 | 840592.2551 | CNTL-SPILLWAY |
| 75 | 26999687.0651 | 840576.4952 | ACCESS ROAD |
| 76 | 26999685.2766 | 841901.4740 | CNTL-OUTFALL |
| 77 | 26999684.9588 | 840997.0310 | CNTL-ACCESS ROAD |
| 78 | 26999682.6022 | 840674.4665 | CNTL-ACCESS ROAD |
| 79 | 26999682.6022 | 840981.0247 | CNTL-ACCESS ROAD |
| 80 | 26999677.5383 | 841273.5757 | CNTL-ACCESS ROAD |
| 81 | 26999668.2646 | 840163.2354 | TOE/GB |
| 82 | 26999668.0095 | 840491.7523 | ACCESS ROAD |
| 83 | 26999666.2673 | 840445.3459 | TOE/GB |
| 84 | 26999665.9146 | 840475.8900 | ACCESS ROAD |
| 85 | 26999661.9611 | 840445.9624 | TOE |
| 86 | 26999660.1352 | 840580.4476 | ACCESS ROAD |
| 87 | 26999655.4054 | 840597.3174 | CNTL-SPILLWAY |
| 88 | 26999652.3605 | 840165.7336 | TOE |
| 89 | 26999651.6827 | 841277.3786 | CNTL-OUTFALL |
| 90 | 26999649.3982 | 841243.7475 | CNTL-OUTFALL |
| 91 | 26999648.5414 | 840681.0239 | CNTL-ACCESS ROAD |
| 92 | 26999636.6450 | 840370.7999 | TOE |
| 93 | 26999633.7216 | 840044.4179 | ACCESS ROAD |
| 94 | 26999633.2325 | 840058.4137 | ACCESS ROAD |
| 95 | 26999632.0467 | 841276.9067 | CNTL-ACCESS ROAD |
| 96 | 26999628.7610 | 840383.1912 | TOP/BERM |
| 97 | 26999625.6108 | 840169.1997 | TOE/GB |
| 98 | 26999618.0194 | 840400.0619 | TOP/BERM |
| 99 | 26999609.7932 | 840412.9940 | TOE |
| 100 | 26999598.9518 | 840168.3197 | TOE |
| 101 | 26999596.7374 | 841004.2696 | CNTL-ACCESS ROAD |
| 102 | 26999592.5138 | 840455.1346 | TOE |
| 103 | 26999592.3337 | 841083.8075 | CNTL-ACCESS ROAD |
| 104 | 26999587.1653 | 840485.2821 | CNTL-OUTFALL |
| 105 | 26999583.1248 | 841021.4094 | CNTL-ACCESS ROAD |
| 106 | 26999574.1731 | 840457.5570 | TOE |
| 107 | 26999568.5152 | 840504.8927 | ACCESS ROAD |
| 108 | 26999566.4770 | 840489.0229 | ACCESS ROAD |
| 109 | 26999554.0525 | 840234.5714 | CNTL-OUTFALL |
| 110 | 26999538.9451 | 840431.4559 | TOE |
| 111 | 26999525.7410 | 840424.4478 | TOP/BERM |
| 112 | 26999508.0751 | 840415.0715 | TOP/BERM |
| 113 | 26999494.7800 | 840408.0150 | TOE |
| 114 | 26999157.8351 | 840753.2698 | CNTL-ACCESS ROAD |
| 193 | 26999972.3509 | 840308.6672 | TOE/GB |
| 206 | 26999731.3096 | 841137.8383 | CENTER |

| CURVE TABLE | | | | |
|-------------|---------|---------|----------|------------|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| C1 | 15.00 | 23.56 | 15.00 | 90°00'00" |
| C2 | 200.00 | 91.53 | 46.58 | 261°31'8" |
| C3 | 50.00 | 78.54 | 50.00 | 90°00'00" |
| C4 | 87.01 | 108.19 | 70.00 | 92°29'00" |
| C5 | 52.92 | 86.35 | 56.25 | 93°29'43" |
| C6 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C7 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C8 | 52.97 | 81.11 | 50.92 | 87°44'01" |
| C9 | 64.97 | 99.49 | 62.45 | 87°44'01" |
| C10 | 242.71 | 36.44 | 18.26 | 8'36'12" |
| C11 | 222.72 | 33.58 | 16.82 | 8'38'22" |
| C12 | 200.00 | 31.22 | 15.64 | 8'56'37" |
| C13 | 500.00 | 80.10 | 40.14 | 91°04'3" |
| C14 | 522.63 | 36.24 | 18.13 | 3'58'22" |
| C15 | 496.68 | 35.90 | 17.96 | 4'08'30" |
| C16 | 100.00 | 89.11 | 47.76 | 51°03'21" |
| C17 | 40.00 | 71.25 | 49.44 | 102°03'17" |
| C18 | 40.00 | 41.89 | 23.09 | 60°00'00" |
| C19 | 486.07 | 490.42 | 268.38 | 57°48'34" |
| C20 | 15.00 | 16.79 | 9.40 | 64°08'45" |
| C21 | 15.00 | 43.50 | 123.62 | 166°09'48" |
| C22 | 20.00 | 16.59 | 8.81 | 47°32'16" |
| C23 | 116.45 | 52.81 | 26.87 | 25°59'04" |
| C24 | 200.00 | 95.04 | 48.43 | 271°3'32" |
| C25 | 500.00 | 20.43 | 10.21 | 2°20'28" |
| C26 | 241.96 | 57.05 | 28.66 | 133°30'32" |
| C27 | 242.39 | 51.74 | 25.97 | 121°3'49" |
| C28 | 225.96 | 53.69 | 26.97 | 13°36'49" |
| C29 | 226.39 | 48.27 | 24.23 | 121°3'02" |
| C30 | 141.00 | 69.67 | 35.56 | 28°18'31" |
| C31 | 125.00 | 61.76 | 31.52 | 28°18'31" |
| C32 | 200.00 | 66.79 | 33.71 | 19°08'01" |
| C33 | 542.21 | 26.91 | 13.46 | 2°50'37" |
| C34 | 500.00 | 26.68 | 13.34 | 3°03'25" |
| C35 | 25.01 | 78.43 | INFINITE | 179°41'35" |
| C36 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C37 | 49.39 | 62.47 | 54.64 | 92°19'19" |
| C38 | 65.00 | 107.18 | 70.29 | 94°28'46" |
| C39 | 85.00 | 140.18 | 91.94 | 94°29'27" |
| C40 | 100.78 | 164.25 | 106.91 | 93°22'58" |
| C41 | 25.01 | 79.63 | 116.67 | 182°27'21" |
| C42 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C43 | 15.00 | 24.53 | 16.00 | 93°42'17" |
| C44 | 1200.00 | 33.71 | 16.86 | 1'36'34" |
| C45 | 23.00 | 66.29 | 176.28 | 165°07'58" |
| C46 | 1200.00 | 110.88 | 55.48 | 51°7'39" |
| C47 | 25.01 | 78.73 | INFINITE | 180°22'43" |
| C48 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C49 | 101.76 | 96.50 | 52.22 | 54°20'01" |
| C50 | 85.00 | 161.05 | 118.20 | 108°33'25" |
| C51 | 65.00 | 123.15 | 90.39 | 108°33'25" |
| C52 | 48.65 | 47.96 | 26.13 | 56°29'05" |
| C53 | 48.66 | 46.02 | 24.90 | 54°11'16" |
| C54 | 101.74 | 92.67 | 49.83 | 52°11'04" |
| C55 | 25.01 | 78.72 | INFINITE | 180°21'16" |
| C56 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C57 | 800.00 | 601.31 | 315.66 | 43°03'57" |
| C58 | 100.00 | 37.67 | 19.06 | 21°35'00" |
| C59 | 13.00 | 21.40 | 14.02 | 94°18'18" |
| C60 | 1000.00 | 1077.15 | 597.49 | 61°42'58" |
| C61 | 13.00 | 21.90 | 14.57 | 96°30'43" |
| C62 | 13.00 | 14.52 | 8.12 | 64°00'22" |
| C63 | 202.04 | 116.79 | 60.08 | 33°07'10" |
| C64 | 199.90 | 83.98 | 42.62 | 24°04'10" |
| C65 | 100.00 | 78.87 | 41.61 | 45°11'15" |
| C66 | 40.00 | 61.18 | 38.38 | 87°38'08" |
| C67 | 100.00 | 77.52 | 40.82 | 44°24'55" |
| C68 | 150.00 | 99.13 | 51.45 | 37°51'49" |
| C69 | 40.00 | 53.38 | 31.51 | 76°27'19" |
| C70 | 150.00 | 87.60 | 45.09 | 33°27'38" |
| C71 | 222.77 | 346.62 | 219.48 | 89°08'54" |
| C72 | 206.77 | 321.72 | 203.72 | 89°08'54" |
| C73 | 100.00 | 155.59 | 98.52 | 89°08'54" |
| C74 | 211.98 | 369.73 | 252.33 | 99°55'55" |
| C75 | 197.98 | 345.31 | 235.66 | 99°55'55" |
| C76 | 100.00 | 177.66 | 123.04 | 101°47'40" |

| LINE TABLE | | |
|------------|--------|-------------|
| LINE | LENGTH | BEARING |
| L1 | 102.76 | N81°37'29"E |
| L2 | 100.98 | N81°37'29"E |
| L3 | 273.20 | S10°59'36"E |
| L4 | 213.45 | S10°59'36"E |
| L5 | 95.55 | S49°17'36"E |
| L6 | 98.21 | S49°17'36"E |
| L7 | 116.16 | S30°25'56"E |
| L8 | 114.08 | S30°25'56"E |
| L9 | 30.85 | S34°32'29"E |
| L10 | 31.43 | S34°32'29"E |
| L11 | 34.83 | S08°21'23"E |
| L12 | 27.22 | S08°20'58"E |
| L13 | 142.85 | N35°49'56"W |
| L14 | 100.36 | S07°31'25"E |
| L15 | 100.30 | N07°31'25"W |
| L16 | 70.80 | S07°31'25"E |
| L17 | 16.10 | S08°55'37"E |
| L18 | 197.14 | N78°22'43"E |
| L19 | 63.07 | N81°36'17"E |
| L20 | 86.52 | N04°41'26"W |
| L21 | 57.13 | N81°37'29"E |
| L22 | 33.81 | S07°37'30"E |
| L23 | 33.29 | S07°37'30"E |
| L24 | 44.12 | S07°31'27"E |
| L25 | 45.65 | S07°31'27"E |
| L26 | 38.67 | S07°31'25"W |
| L27 | 49.38 | N81°37'29"E |
| L28 | 43.71 | S36°39'34"E |
| L29 | 139.25 | N86°54'16"E |
| L30 | 102.38 | N53°20'26"E |
| L31 | 30.77 | S66°39'14"W |
| L32 | 147.59 | N49°20'24"W |
| L33 | 78.01 | S06°39'53"E |
| L34 | 50.61 | S20°21'44"E |
| L35 | 39.45 | S07°31'26"E |



BASIS OF BEARINGS
 NORTH 89°49'48" EAST, BEING THE BEARING OF THE SOUTH LINE OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M. AS SHOWN ON THAT PARCEL MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 98 OF PARCEL MAPS, AT PAGE 57.

BENCHMARK
 USCGS BENCHMARK STAMPED "X 301 1941" 3" DIAMETER BRASS DISK SET IN THE NORTH END OF A CONCRETE HEADWALL, 15 FEET EAST OF THE CENTERLINE OF OLD HIGHWAY 93, 6.1 MILES EAST OF THE INTERSECTION OF US 93 AND SR 168, APPROXIMATELY 1 MILE NORTH OF STATE ROUTE 168 ALONG OLD HIGHWAY 93.

NAD83 ELEVATION - 783.873 (METERS), 2571.76 (FEET)

LEGAL DESCRIPTION
 A PORTION OF SECTIONS 17 AND 20, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M., CLARK COUNTY, NEVADA

| | | | |
|-----|---------------|-------------|--------|
| 209 | 26999688.4512 | 841204.7445 | CENTER |
| 210 | 26999723.4645 | 841276.1801 | CENTER |
| 211 | 26999559.0767 | 841150.4497 | CENTER |
| 212 | 26999612.2132 | 841210.2536 | CENTER |
| 221 | 26999586.9807 | 841286.1732 | CENTER |

| | | | |
|-----|---------------|-------------|---------------|
| 217 | 27000422.1773 | 840077.1878 | INFLOW |
| 218 | 27000231.2241 | 840067.5415 | INFLOW |
| 219 | 26999687.7032 | 840050.9481 | INFLOW |
| 220 | 26999515.0876 | 840041.9347 | INFLOW |
| 228 | 26999688.1548 | 840194.3339 | ACCESS ROAD |
| 229 | 26999620.8954 | 840212.6913 | ACCESS ROAD |
| 230 | 26999559.1222 | 840272.9563 | SEDIMENT GAGE |

100.00' SPECIAL USE PERMIT FOR STORM WATER, UTILITY AND ACCESS GRANTED TO COYOTE SPRINGS INVESTMENT LLC, AND PARDEE HOMES OF NEVADA, TO BE PRIVATELY MAINTAINED (BLM PERMIT APPLICATION # N82373)

600.00' SPECIAL USE PERMIT FOR STORM WATER, UTILITY AND ACCESS GRANTED TO COYOTE SPRINGS INVESTMENT LLC, AND PARDEE HOMES OF NEVADA, TO BE PRIVATELY MAINTAINED (BLM PERMIT APPLICATION # N82373)

MATCHLINE - SEE SHEET G7

DATE: 7/19/24

SCALE: 1"=50'

DESIGN: G.C. WALLACE COMPANIES

DRAWN: ENGINEERS | PLANNERS | SURVEYORS

CHECK: ISSUED DATE: 7/19/24

ISSUE DATE: 7/19/24

ISSUE EDITOR: 155 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89106

PROJECT: F:\2024\007-18-07\240824007-18-07-GC\WALLACE\COYOTE SPRINGS\G8

PLOT DATE: 07-18-24

PLOT TIME: 14:52:45

REV. DATE: 7/19/24

DESCRIPTION: COYOTE SPRINGS DETENTION BASIN 1 HORIZONTAL CONTROL PLAN

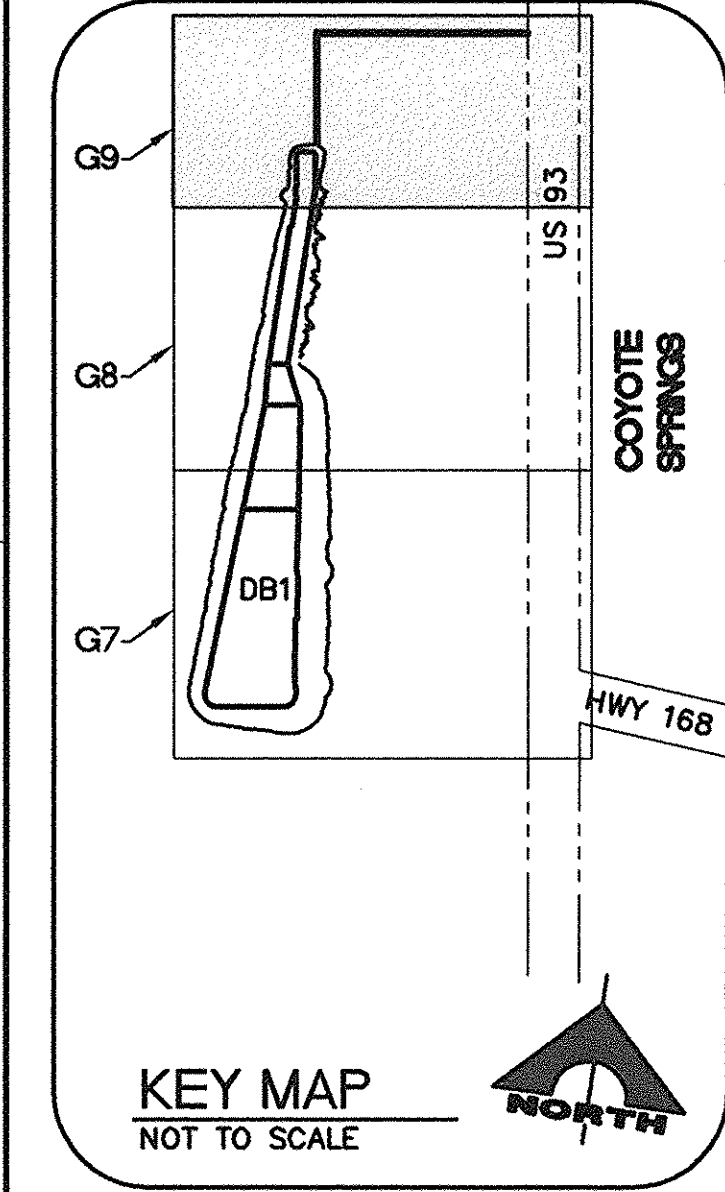
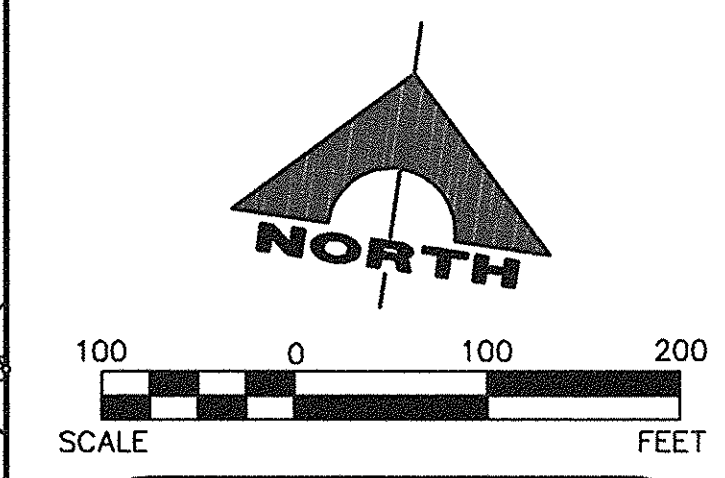
DRAWING: G8

8 OF 26 SHEETS

HT: 07-3265

1293.00'
SPECIAL USE PERMIT FOR STORM WATER, UTILITY AND ACCESS
GRANTED TO COYOTE SPRINGS INVESTMENT LLC,
AND PARDEE HOMES OF NEVADA,
TO BE PRIVATELY MAINTAINED
(BLM PERMIT APPLICATION # N82373)

SPECIAL USE PERMIT FOR STORM WATER,
UTILITY AND ACCESS GRANTED TO COYOTE
SPRINGS INVESTMENT LLC, AND PARDEE HOMES
OF NEVADA, TO BE PRIVATELY MAINTAINED (BLM
PERMIT APPLICATION # N82373)



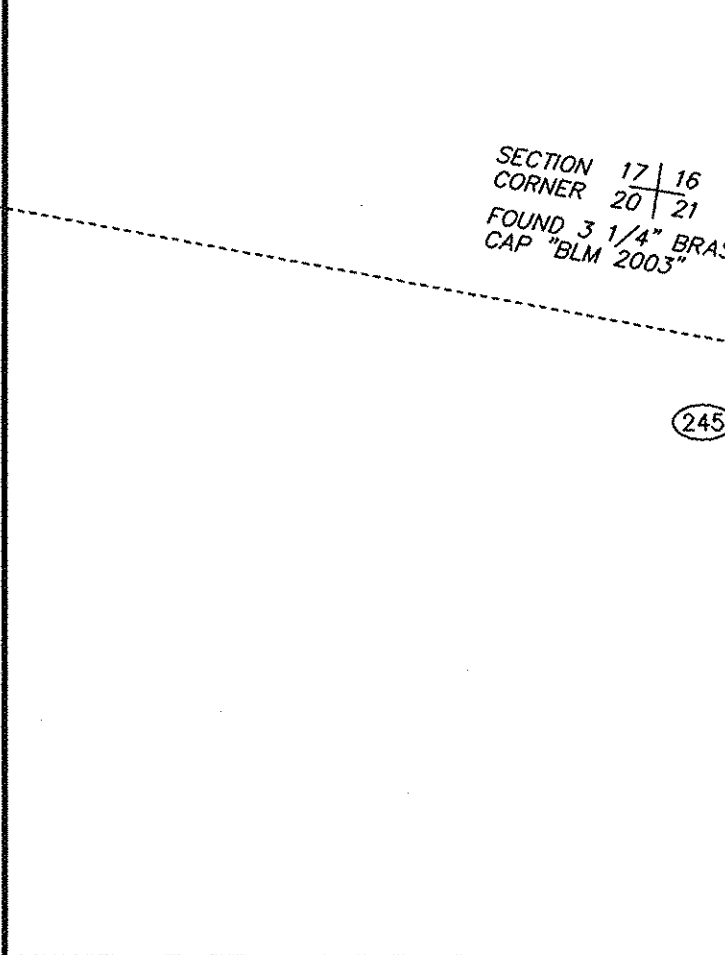
BASIS OF BEARINGS
NORTH 89°49'48" EAST, BEING THE BEARING OF THE
SOUTH LINE OF SECTION 21, TOWNSHIP 13 SOUTH,
RANGE 63 EAST, M.D.M. AS SHOWN ON THAT PARCEL
MAP ON FILE IN THE OFFICE OF THE COUNTY
RECORDER, CLARK COUNTY, NEVADA, IN FILE 98 OF
PARCEL MAPS, AT PAGE 57.

BENCHMARK
US&GS BENCHMARK STAMPED "X 301 1941"
1" DIAMETER BRASS DISK SET IN THE NORTH END OF
A CONCRETE HEADWALL, 15 FEET EAST OF THE
CENTERLINE OF OLD HIGHWAY 93, 6.1 MILES EAST OF
THE INTERSECTION OF US 93 AND SR 168,
APPROXIMATELY 1 MILE NORTH OF STATE ROUTE 168
ALONG OLD HIGHWAY 93.

NAD83 ELEVATION = 783.873 (METERS), 2571.76
(FEET)

LEGAL DESCRIPTION
A PORTION OF SECTIONS 17 AND 20, TOWNSHIP 13
SOUTH, RANGE 63 EAST, M.D.M., CLARK COUNTY,
NEVADA

US HIGHWAY 93

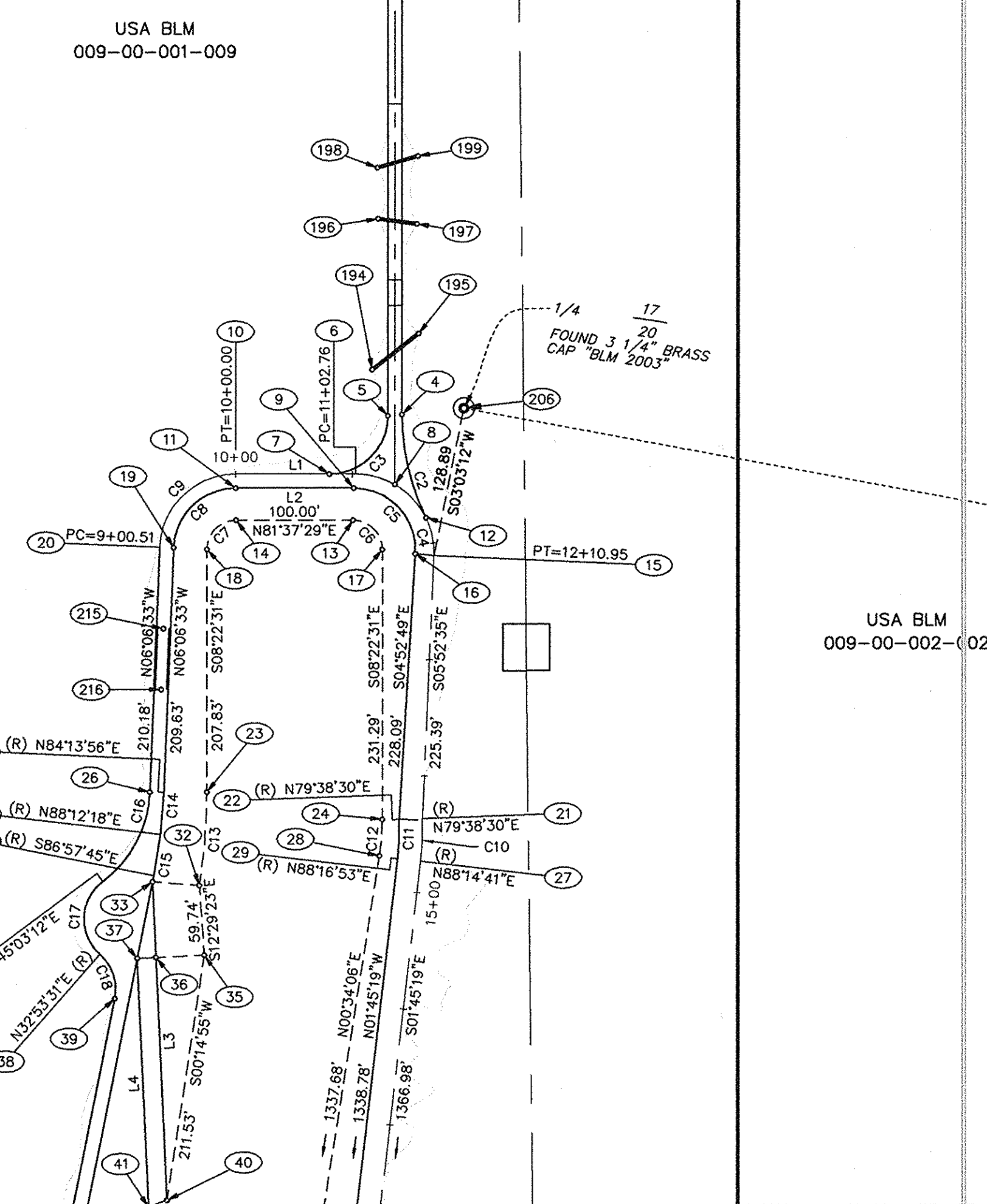


| CURVE TABLE | | | | |
|-------------|---------|---------|----------|------------|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| C1 | 15.00 | 23.56 | 15.00 | 90°00'00" |
| C2 | 200.00 | 91.53 | 46.58 | 261°31'18" |
| C3 | 50.00 | 78.54 | 50.00 | 90°00'00" |
| C4 | 67.01 | 108.19 | 70.00 | 92°29'56" |
| C5 | 52.92 | 86.35 | 56.25 | 93°29'43" |
| C6 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C7 | 25.00 | 39.27 | 25.00 | 90°00'00" |
| C8 | 52.97 | 81.11 | 50.92 | 87°44'01" |
| C9 | 64.97 | 99.49 | 62.45 | 87°44'01" |
| C10 | 242.71 | 36.44 | 18.26 | 8°36'12" |
| C11 | 222.72 | 33.58 | 16.82 | 8°38'22" |
| C12 | 200.00 | 31.22 | 15.64 | 8°56'37" |
| C13 | 500.00 | 80.10 | 40.14 | 91°04'43" |
| C14 | 522.63 | 36.24 | 18.13 | 3°58'22" |
| C15 | 496.68 | 35.90 | 17.96 | 4°08'30" |
| C16 | 100.00 | 89.11 | 47.76 | 51°03'21" |
| C17 | 40.00 | 71.25 | 49.44 | 102°03'17" |
| C18 | 40.00 | 41.89 | 23.09 | 60°00'00" |
| C19 | 486.07 | 490.42 | 268.38 | 57°48'34" |
| C20 | 15.00 | 16.79 | 9.40 | 64°08'45" |
| C21 | 15.00 | 43.50 | 123.62 | 168°09'48" |
| C22 | 20.00 | 16.59 | 8.81 | 47°32'16" |
| C23 | 116.45 | 52.81 | 26.87 | 25°59'04" |
| C24 | 200.00 | 95.04 | 48.43 | 27°13'32" |
| C25 | 500.00 | 20.43 | 10.21 | 2°20'26" |
| C26 | 241.96 | 57.05 | 28.66 | 13°30'32" |
| C27 | 242.39 | 51.74 | 25.97 | 12°13'49" |
| C28 | 225.96 | 53.69 | 26.97 | 13°36'49" |
| C29 | 226.39 | 48.27 | 24.23 | 12°13'02" |
| C30 | 141.00 | 69.67 | 35.56 | 28°18'31" |
| C31 | 125.00 | 61.76 | 31.52 | 28°18'31" |
| C32 | 200.00 | 68.79 | 33.71 | 19°08'01" |
| C33 | 542.21 | 26.91 | 13.46 | 2°50'37" |
| C34 | 500.00 | 26.68 | 13.34 | 3°03'25" |
| C35 | 25.01 | 78.43 | INFINITE | 179°41'35" |
| C36 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C37 | 49.39 | 82.47 | 54.54 | 95°40'19" |
| C38 | 65.00 | 107.18 | 70.29 | 94°28'46" |
| C39 | 85.00 | 140.18 | 91.94 | 94°29'27" |
| C40 | 100.78 | 164.25 | 106.91 | 93°22'58" |
| C41 | 25.01 | 79.63 | 1166.57 | 182°27'21" |
| C42 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C43 | 15.00 | 24.53 | 16.00 | 93°42'17" |
| C44 | 1200.00 | 33.71 | 16.86 | 1°36'34" |
| C45 | 23.00 | 66.29 | 176.28 | 165°07'58" |
| C46 | 1200.00 | 110.88 | 55.48 | 51°7'39" |
| C47 | 25.01 | 78.73 | INFINITE | 180°22'43" |
| C48 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C49 | 101.76 | 96.50 | 52.22 | 54°20'01" |
| C50 | 85.00 | 161.05 | 118.20 | 108°33'25" |
| C51 | 65.00 | 123.15 | 90.39 | 108°33'25" |
| C52 | 48.65 | 47.96 | 26.13 | 56°29'05" |
| C53 | 48.66 | 46.02 | 24.90 | 54°11'18" |
| C54 | 101.74 | 92.67 | 49.83 | 52°11'04" |
| C55 | 25.01 | 78.72 | INFINITE | 180°21'16" |
| C56 | 10.00 | 31.42 | INFINITE | 180°00'00" |
| C57 | 800.00 | 601.31 | 315.66 | 43°03'57" |
| C58 | 100.00 | 37.67 | 19.06 | 21°35'00" |
| C59 | 13.00 | 21.40 | 14.02 | 94°18'18" |
| C60 | 1000.00 | 1077.15 | 597.49 | 61°42'58" |
| C61 | 13.00 | 21.90 | 14.57 | 96°30'43" |
| C62 | 13.00 | 14.52 | 8.12 | 64°00'22" |
| C63 | 202.04 | 116.79 | 60.08 | 33°07'10" |
| C64 | 199.90 | 83.98 | 42.62 | 24°04'10" |
| C65 | 100.00 | 78.87 | 41.61 | 45°11'15" |
| C66 | 40.00 | 61.18 | 38.38 | 87°38'08" |
| C67 | 100.00 | 77.52 | 40.82 | 44°24'55" |
| C68 | 150.00 | 99.13 | 51.45 | 37°51'49" |
| C69 | 40.00 | 53.38 | 31.51 | 76°27'19" |
| C70 | 150.00 | 87.60 | 45.09 | 33°27'38" |
| C71 | 222.77 | 346.62 | 219.48 | 89°08'54" |
| C72 | 206.77 | 321.72 | 203.72 | 89°08'54" |
| C73 | 100.00 | 155.59 | 98.52 | 89°08'54" |
| C74 | 211.98 | 369.73 | 252.33 | 99°55'55" |
| C75 | 197.98 | 345.31 | 235.66 | 99°55'55" |
| C76 | 100.00 | 177.66 | 123.04 | 101°47'40" |

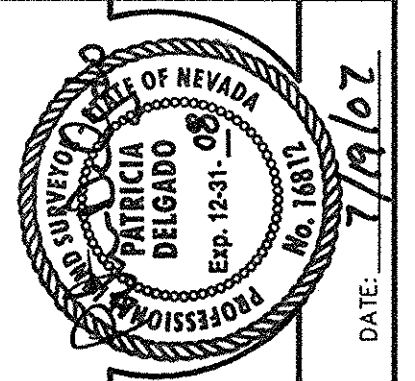
| LINE TABLE | | |
|------------|--------|-------------|
| LINE | LENGTH | BEARING |
| L1 | 102.76 | N81°37'29"E |
| L2 | 100.98 | N81°37'29"E |
| L3 | 273.20 | S10°59'36"E |
| L4 | 213.45 | S10°59'36"E |
| L5 | 95.55 | S49°17'36"E |
| L6 | 98.21 | S49°17'36"E |
| L7 | 116.16 | S30°25'56"E |
| L8 | 114.08 | S30°25'56"E |
| L9 | 30.85 | S34°32'29"E |
| L10 | 31.43 | S34°32'29"E |
| L11 | 34.83 | S08°21'23"E |
| L12 | 27.22 | S08°20'58"E |
| L13 | 142.85 | N35°49'56"W |
| L14 | 100.36 | S07°31'25"E |
| L15 | 100.30 | N07°31'25"W |
| L16 | 70.80 | S07°31'26"E |
| L17 | 16.10 | S08°55'37"E |
| L18 | 197.14 | N78°22'43"E |
| L19 | 63.07 | N81°36'17"E |
| L20 | 88.52 | N04°41'26"W |
| L21 | 57.13 | N81°37'29"E |
| L22 | 33.81 | S07°37'30"E |
| L23 | 33.29 | S07°37'30"E |
| L24 | 44.12 | S07°31'27"E |
| L25 | 45.65 | S07°31'27"E |
| L26 | 36.67 | S07°31'26"E |
| L27 | 49.38 | N81°37'29"E |
| L28 | 413.71 | S36°39'34"E |
| L29 | 139.25 | N86°54'16"E |
| L30 | 102.38 | N53°20'26"E |
| L31 | 30.77 | S66°39'14"W |
| L32 | 147.59 | N49°20'24"W |
| L33 | 78.01 | S06°39'53"E |
| L34 | 50.61 | S20°21'44"E |
| L35 | 39.45 | S07°31'26"E |

COORDINATE KEYNOTES

| No. | NORTHING | EASTING | DESCRIPTION |
|-----|---------------|-------------|------------------|
| 1 | 27003324.2140 | 841698.6883 | CNTL-ACCESS ROAD |
| 2 | 27003087.4440 | 840090.5050 | CNTL-ACCESS ROAD |
| 3 | 27003070.4191 | 840077.8499 | CNTL-ACCESS ROAD |
| 4 | 27001734.1844 | 840280.6460 | ACCESS ROAD |
| 5 | 27001731.4820 | 840268.9145 | ACCESS ROAD |
| 6 | 27001678.0044 | 840248.9547 | CNTL-SPILLWAY |
| 7 | 27001674.7324 | 840226.7307 | ACCESS ROAD |
| 8 | 27001673.9901 | 840283.4437 | CNTL-ACCESS ROAD |
| 9 | 27001665.8735 | 840248.9444 | ACCESS ROAD |
| 10 | 27001663.0371 | 840147.2941 | CNTL-SPILLWAY |
| 11 | 27001651.1651 | 840149.0420 | ACCESS ROAD |
| 12 | 27001649.7555 | 840313.8801 | ACCESS ROAD |
| 13 | 27001638.5806 | 840252.4895 | TOE |
| 14 | 27001624.0148 | 840153.5560 | TOE |
| 15 | 27001618.5656 | 840325.3785 | CNTL-SPILLWAY |
| 16 | 27001618.0232 | 840309.3767 | ACCESS ROAD |
| 17 | 27001617.4887 | 840280.8643 | TOE |
| 18 | 27001595.6400 | 840132.4640 | TOE |
| 19 | 27001593.1197 | 840104.0858 | ACCESS ROAD |
| 20 | 27001591.8426 | 840092.1540 | CNTL-SPILLWAY |
| 21 | 27001394.3578 | 840348.4549 | CNTL-SPILLWAY |
| 22 | 27001390.7618 | 840328.7809 | ACCESS ROAD |
| 23 | 27001390.0303 | 840162.7356 | TOE |
| 24 | 27001388.6671 | 840314.5533 | TOE |
| 25 | 27001384.6903 | 840126.3948 | ACCESS ROAD |
| 26 | 27001382.8537 | 840114.5318 | ACCESS ROAD |
| 27 | 27001358.1517 | 840352.2966 | CNTL-SPILLWAY |
| 28 | 27001357.5518 | 840316.6764 | TOE |
| 29 | 27001357.3967 | 840332.3104 | ACCESS ROAD |
| 30 | 27001348.5275 | 840128.7843 | ACCESS ROAD |
| 31 | 27001312.6371 | 840128.1787 | ACCESS ROAD |
| 32 | 27001310.1909 | 840168.0189 | TOE |
| 33 | 27001307.4983 | 840127.9191 | ACCESS ROAD |
| 34 | 27001301.5668 | 840085.8661 | ACCESS ROAD |
| 35 | 27001251.8629 | 840180.9389 | TOE |
| 36 | 27001243.9611 | 840140.2617 | ACCESS ROAD/CB |
| 37 | 27001240.9100 | 840124.5553 | ACCESS ROAD |
| 38 | 27001239.7210 | 840092.4544 | ACCESS ROAD |
| 39 | 27001204.1150 | 840110.6812 | ACCESS ROAD |
| 40 | 27001039.3118 | 840180.0163 | TOE |
| 41 | 27001031.3815 | 840165.2577 | TOE |
| 206 | 27001747.2770 | 840332.2440 | 1/4 S17/S20 |
| 245 | 27001651.8670 | 842925.6440 | S17-S16/S20-S21 |
| 194 | 27001768.2909 | 840249.8466 | CULVERT |
| 195 | 27001804.8252 | 840284.5743 | CULVERT |
| 196 | 27001897.3063 | 840235.9000 | CULVERT |
| 197 | 27001897.5663 | 840269.5006 | CULVERT |
| 198 | 27001940.4005 | 840228.9624 | CULVERT |
| 199 | 27001955.2890 | 840261.7744 | CULVERT |
| 201 | 27002788.9454 | 840099.6364 | CULVERT |
| 202 | 27002798.0855 | 840144.9438 | CULVERT |
| 215 | 27001523.3390 | 840105.5201 | INFLOW |
| 216 | 27001471.2804 | 840111.0919 | INFLOW |



MATCHLINE - SEE SHEET G8



| DATE | REVISION | DESCRIPTION |
|---------|----------|-------------|
| 7/19/07 | | |

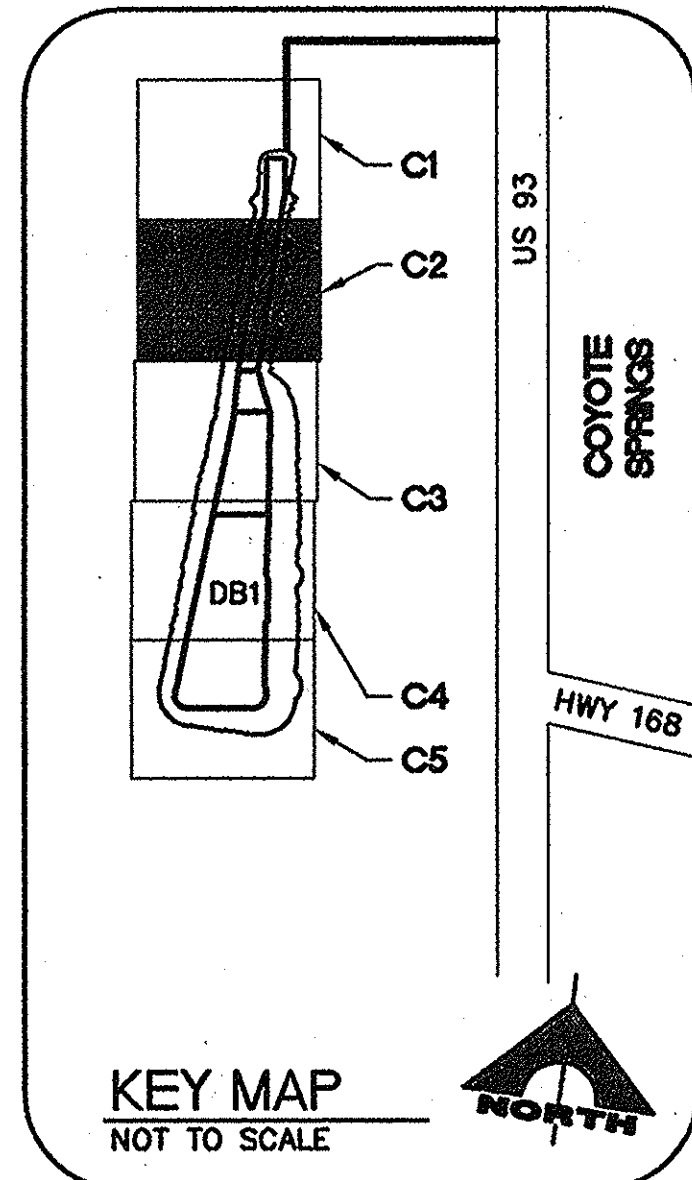
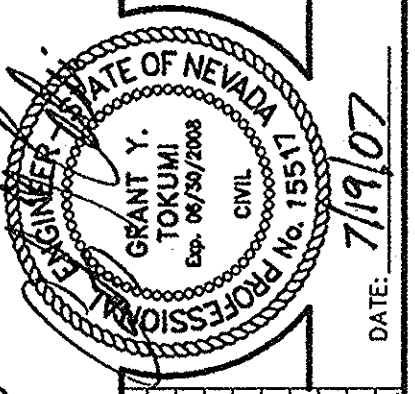
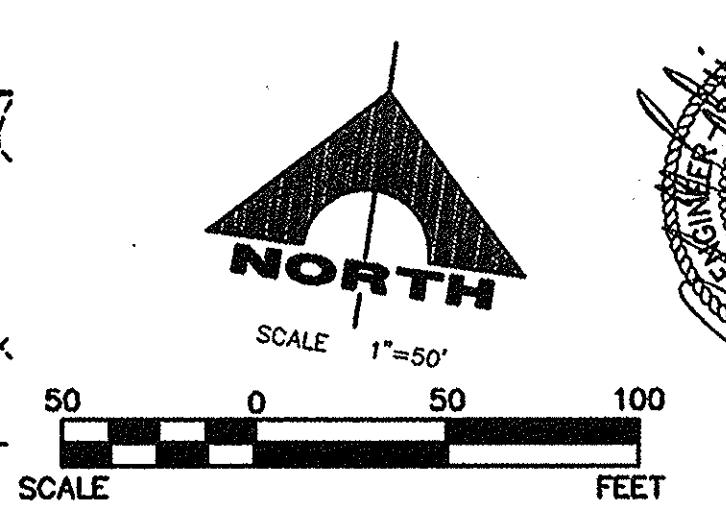
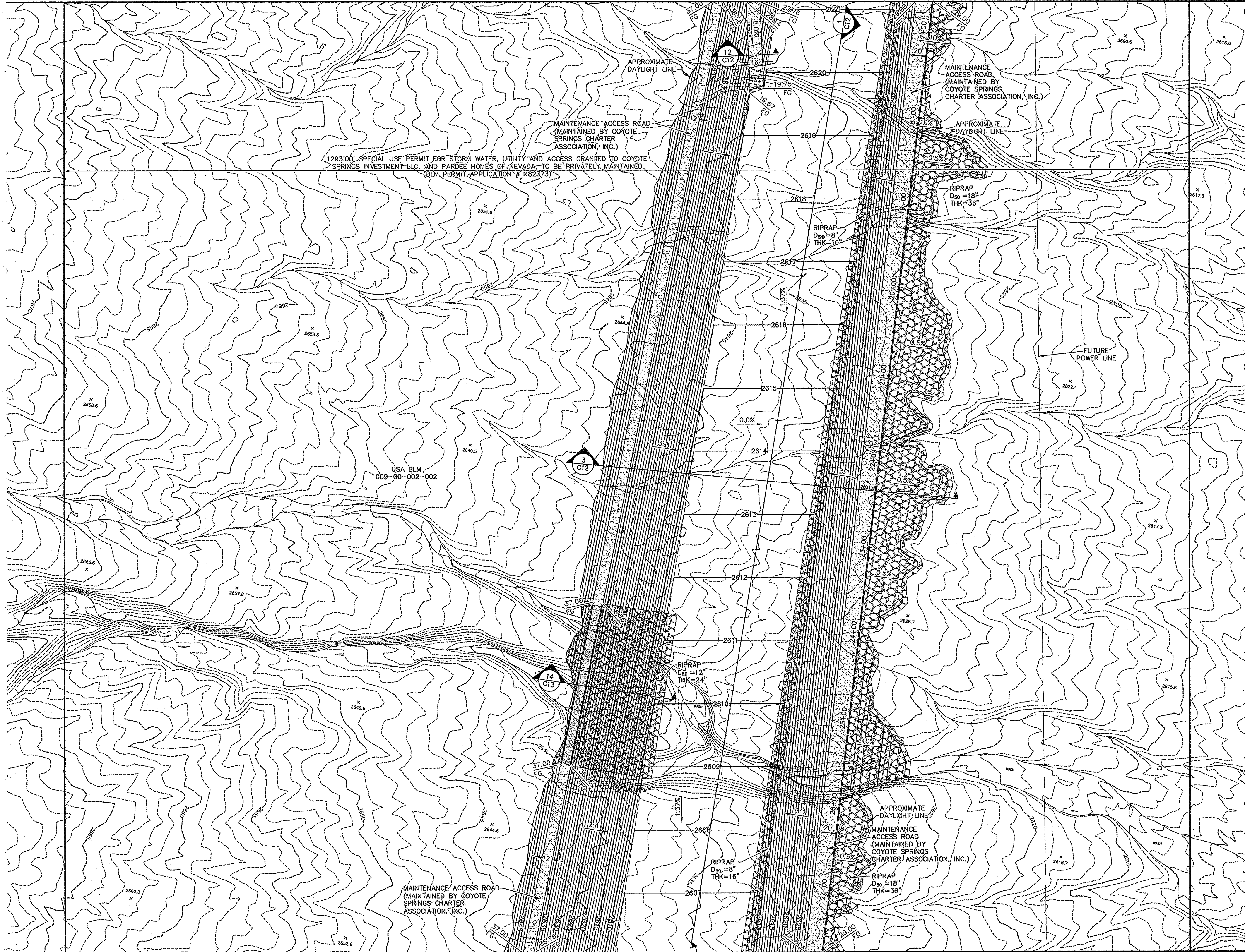
DESIGN: _____
DRAWN: _____
CHECK: _____
ISSUE DATE: _____
ISSUE EDITOR: _____
PLOT DATE: 07-18-07
PLOT TIME: 14:53:03

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
155 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89106
P: 702.886.6800 F: 702.886.4259 G: WALLACECOM

PROJECT: COYOTE SPRINGS
DETENTION BASIN 1
HORIZONTAL CONTROL PLAN

DRAWING
G9

9 OF 26 SHEETS
DATE: 07-18-07



CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES

ACCEPTANCE OF PLANS FOR FILING
 BY _____
 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.

THESE PLANS COMPLY WITH THE APPROVED DRAINAGE STUDY (HTE#08-5151) ON FILE WITH CLARK COUNTY.
Grant Y. Tokumi 7/19/07
 GRANT Y. TOKUMI, P.E. #15517 DATE

NOTE: NO PORTION OF THE SITE FALLS WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA. SITE LOCATED ON PANEL 320030225E, DATED SEPTEMBER 27, 2002. THIS PANEL SHOWS THAT THE PROJECT IS NOT LOCATED WITHIN A FEMA DESIGNATED 100-YEAR ZONE A OR SPECIAL FLOOD HAZARD AREA.

BASIS OF BEARINGS
 NORTH 89°49'48" EAST, BEING THE BEARING OF THE SOUTH LINE OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M. AS SHOWN ON THAT PARCEL MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 98 OF PARCEL MAPS, AT PAGE 57.

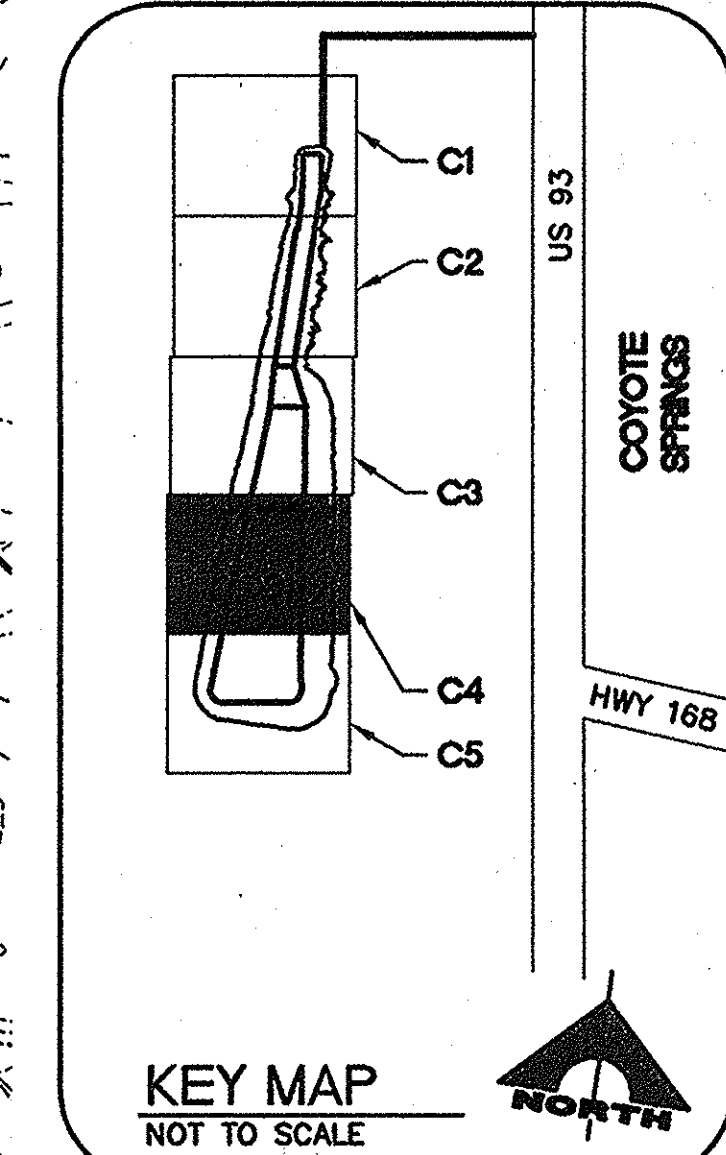
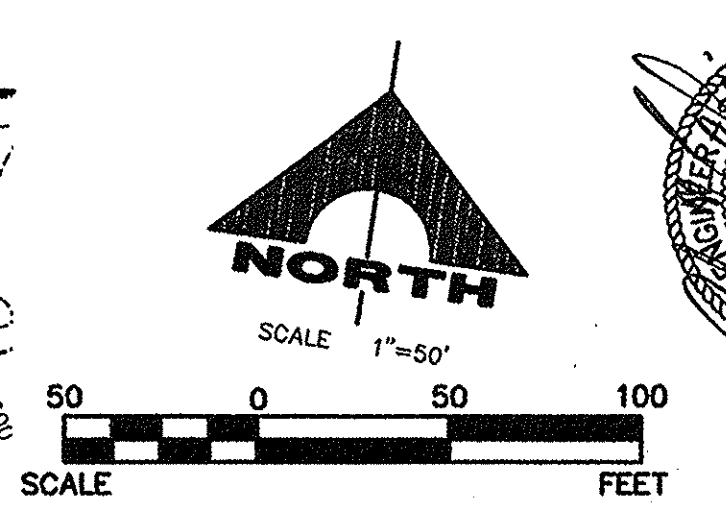
BENCHMARK
 USC&GS BENCHMARK STAMPED "X 301 1941" 3" DIAMETER BRASS DISK SET IN THE NORTH END OF A CONCRETE HEADWALL, 15 FEET EAST OF THE CENTERLINE OF OLD HIGHWAY 93, 6.1 MILES EAST OF THE INTERSECTION OF US 93 AND SR 168, APPROXIMATELY 1 MILE NORTH OF STATE ROUTE 168 ALONG OLD HIGHWAY 93.
 NAVD88 ELEVATION - 783.873 (METERS), 2571.76 (FEET)

DISCLAIMER 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 AND OVERHEAD 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 SERVICES (USA)

Avoid hitting overhead power lines. It's costly.
CALL BEFORE YOU DO OVERHEAD
 1-702-227-2929

| | |
|--------------|-----------------------------------------------------|
| DATE | 7/19/07 |
| REV. | |
| DESCRIPTION | |
| DESIGN | |
| CHECK | |
| ISSUE DATE | 7/19/07 |
| ISSUE EDITOR | |
| PLOT TIME | 16:58:27 |
| FILE | F:\652101-0918_Dwg\Wdr\0\Improv-R2\CSD91_002-R2.dwg |
| PROJECT | COYOTE SPRINGS |
| DRAWING | DETENTION BASIN 1 |
| | GRADING PLAN |
| | C2 |



CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES

ACCEPTANCE OF PLANS FOR FILING

BY: _____

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.

THESE PLANS COMPLY WITH THE APPROVED DRAINAGE STUDY (HTE#06-51511) ON FILE WITH CLARK COUNTY.

Cal Y. Tokumi 7/19/07
 GRANT Y. TOKUMI, P.E. #15517 DATE

NOTE: NO PORTION OF THE SITE FALLS WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA. SITE LOCATED ON PARCEL 3200300225, DATED SEPTEMBER 27, 2002. THIS PANEL SHOWS THAT THE PROJECT IS NOT LOCATED WITHIN A FEMA DESIGNATED 100-YEAR ZONE A OR SPECIAL FLOOD HAZARD AREA.

BASIS OF BEARINGS

NORTH 89°49'48" EAST, BEING THE BEARING OF THE SOUTH LINE OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 63 EAST, M.D.M. AS SHOWN ON THAT PARCEL MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 98 OF PARCEL MAPS, PAGE 57.

BENCHMARK

US&GS BENCHMARK STAMPED "X 301 1941" 3" DIAMETER BRASS DISK SET IN THE NORTH END OF A CONCRETE HEADWALL, 15 FEET EAST OF THE CENTERLINE OF OLD HIGHWAY 93, 6.1 MILES EAST OF THE INTERSECTION OF US 93 AND SR 168, APPROXIMATELY 1 MILE NORTH OF STATE ROUTE 168 ALONG OLD HIGHWAY 93.

NAVD88 ELEVATION - 783.873 (METERS), 2571.76 (FEET)

DISCLAIMER NOTE

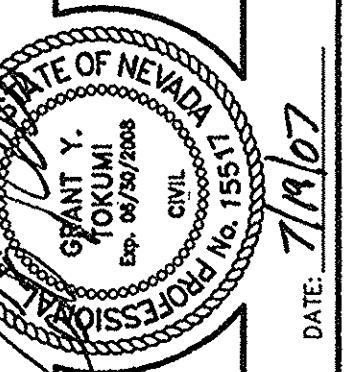
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN 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)

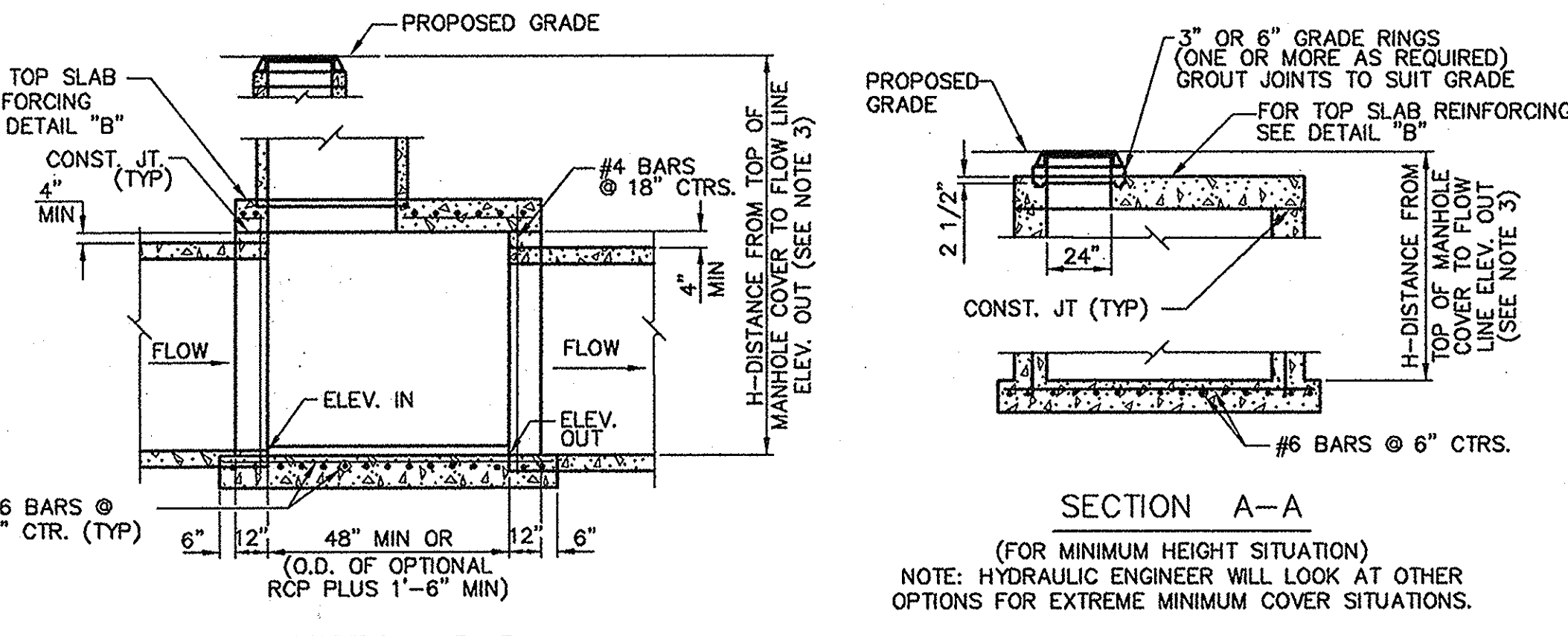
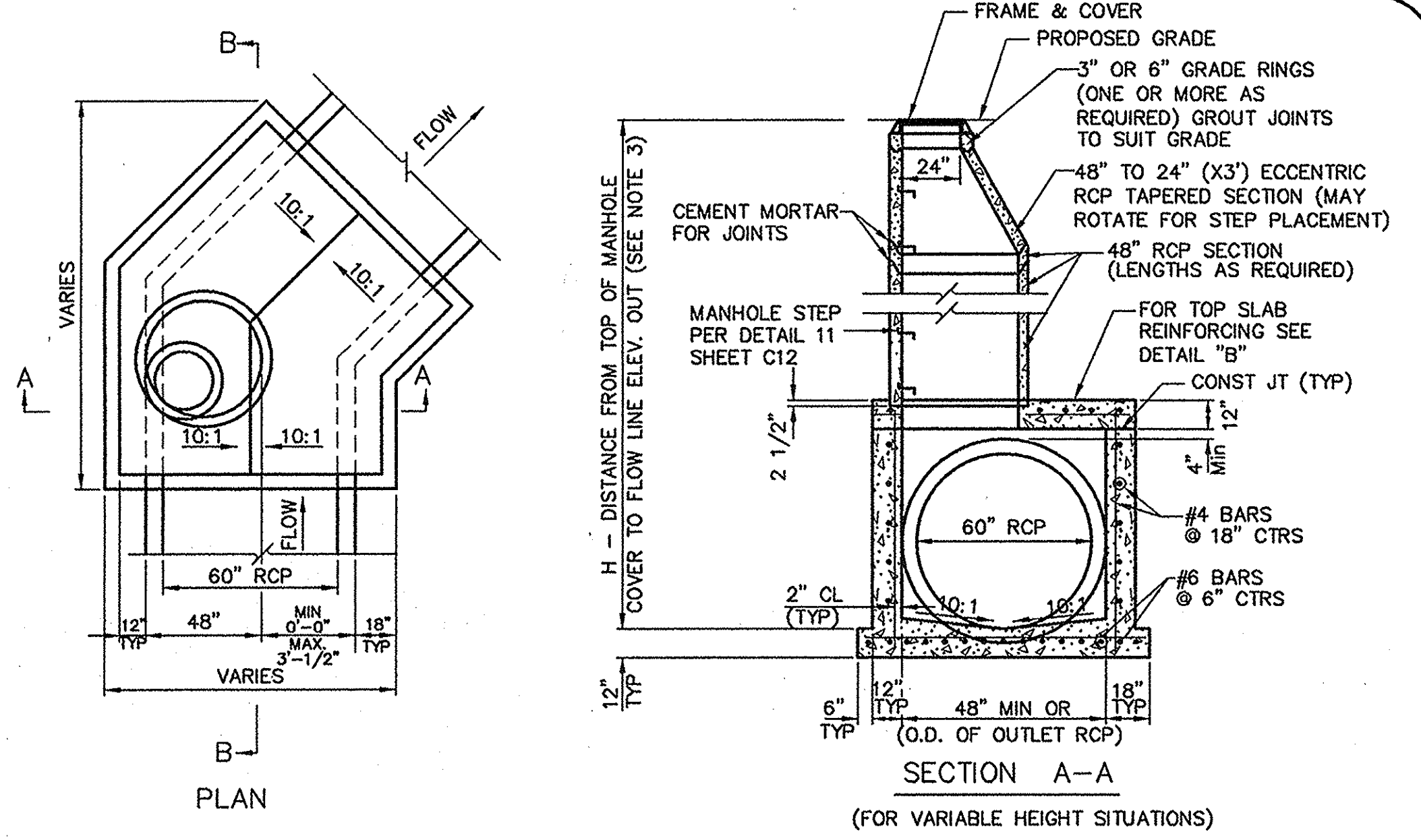
Avoid hitting overhead power lines. It's costly.

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



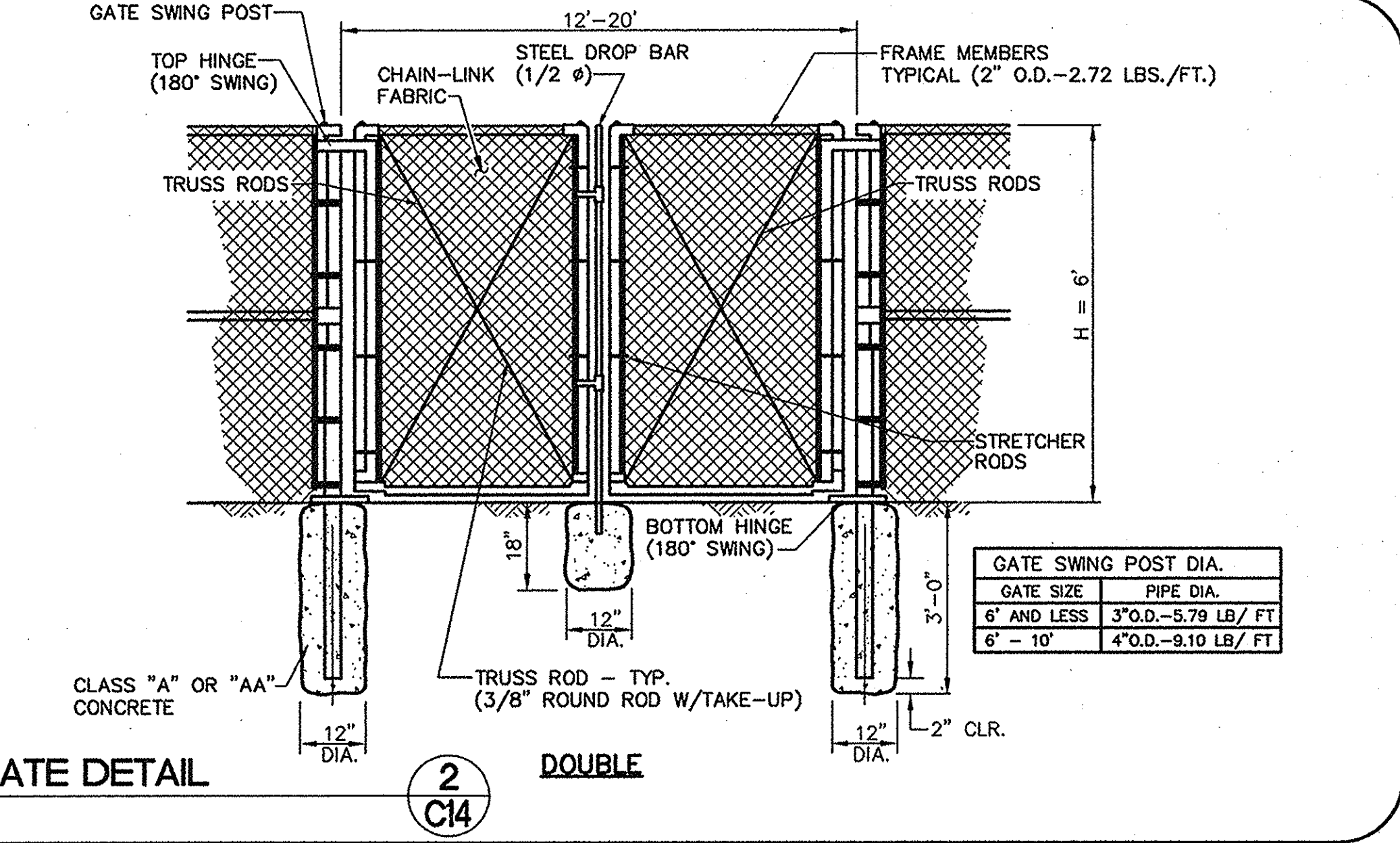
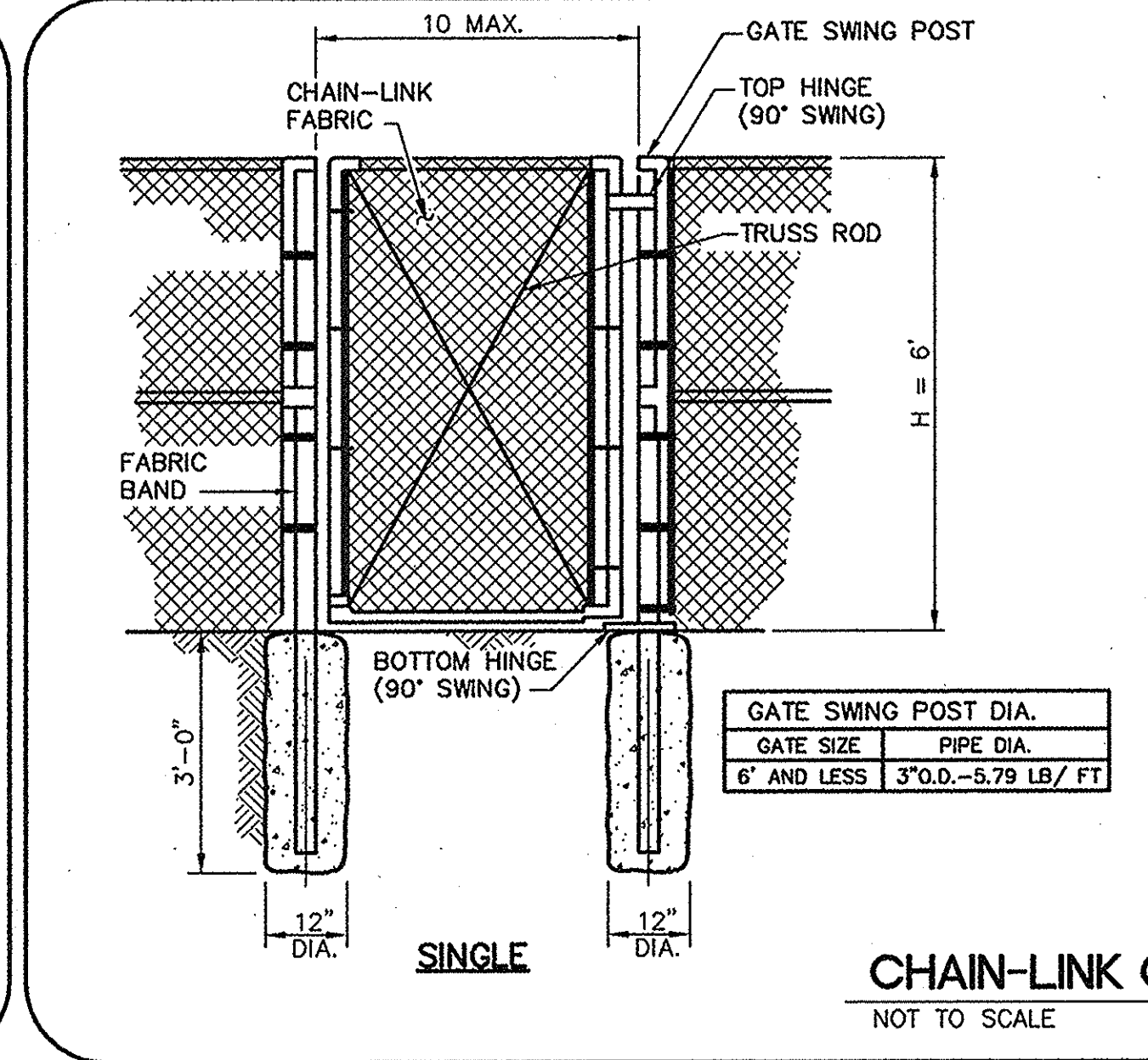
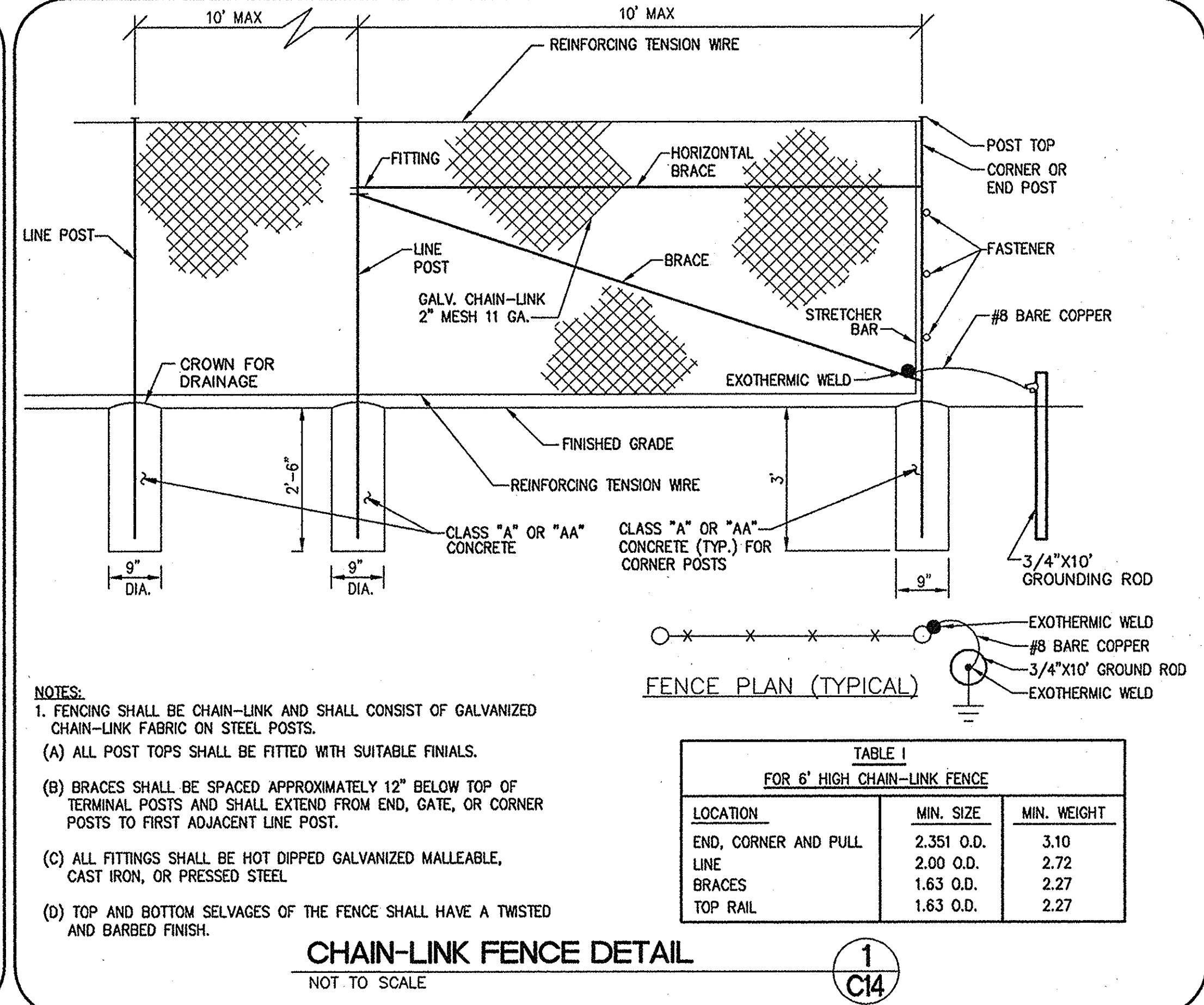
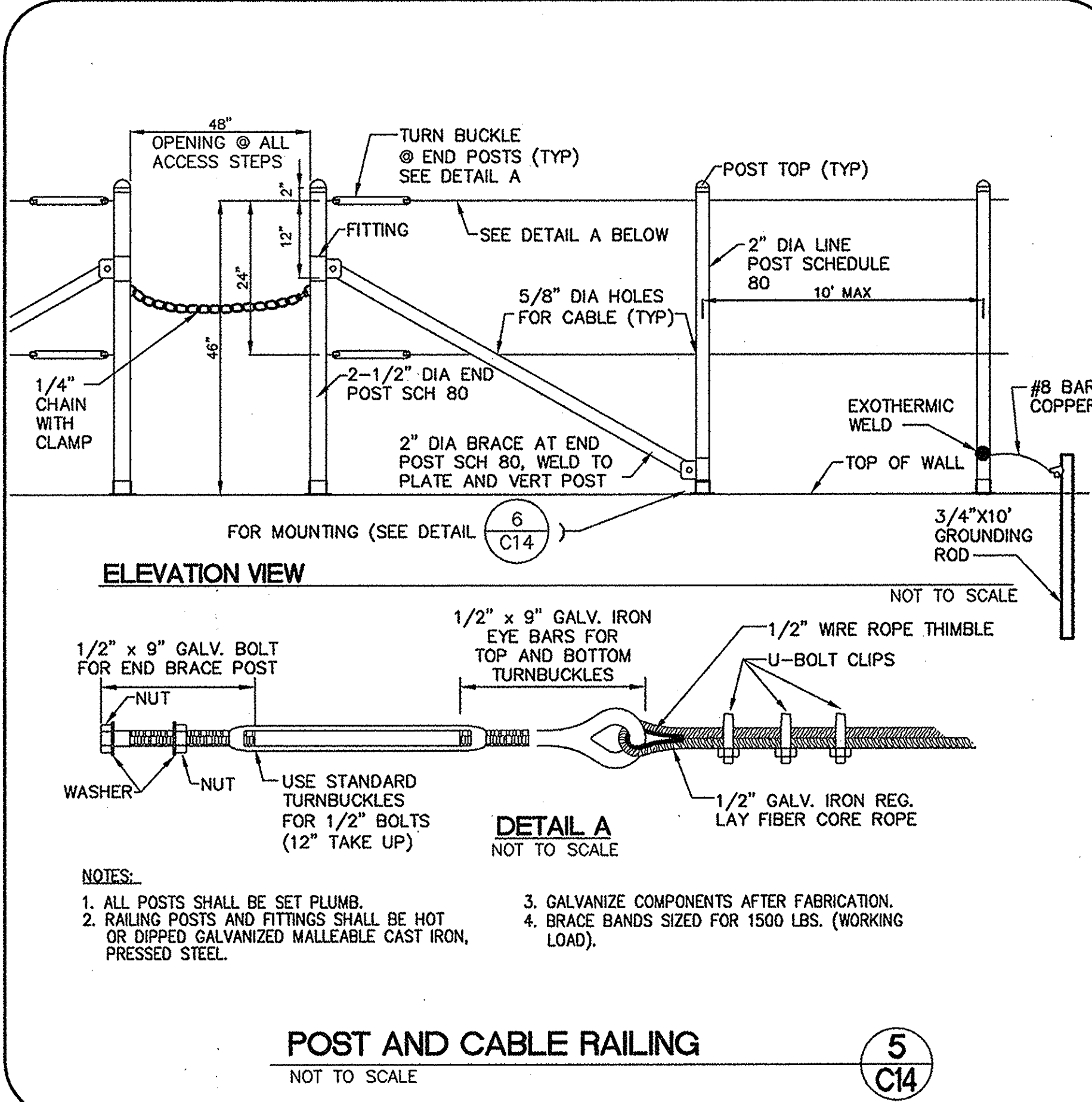
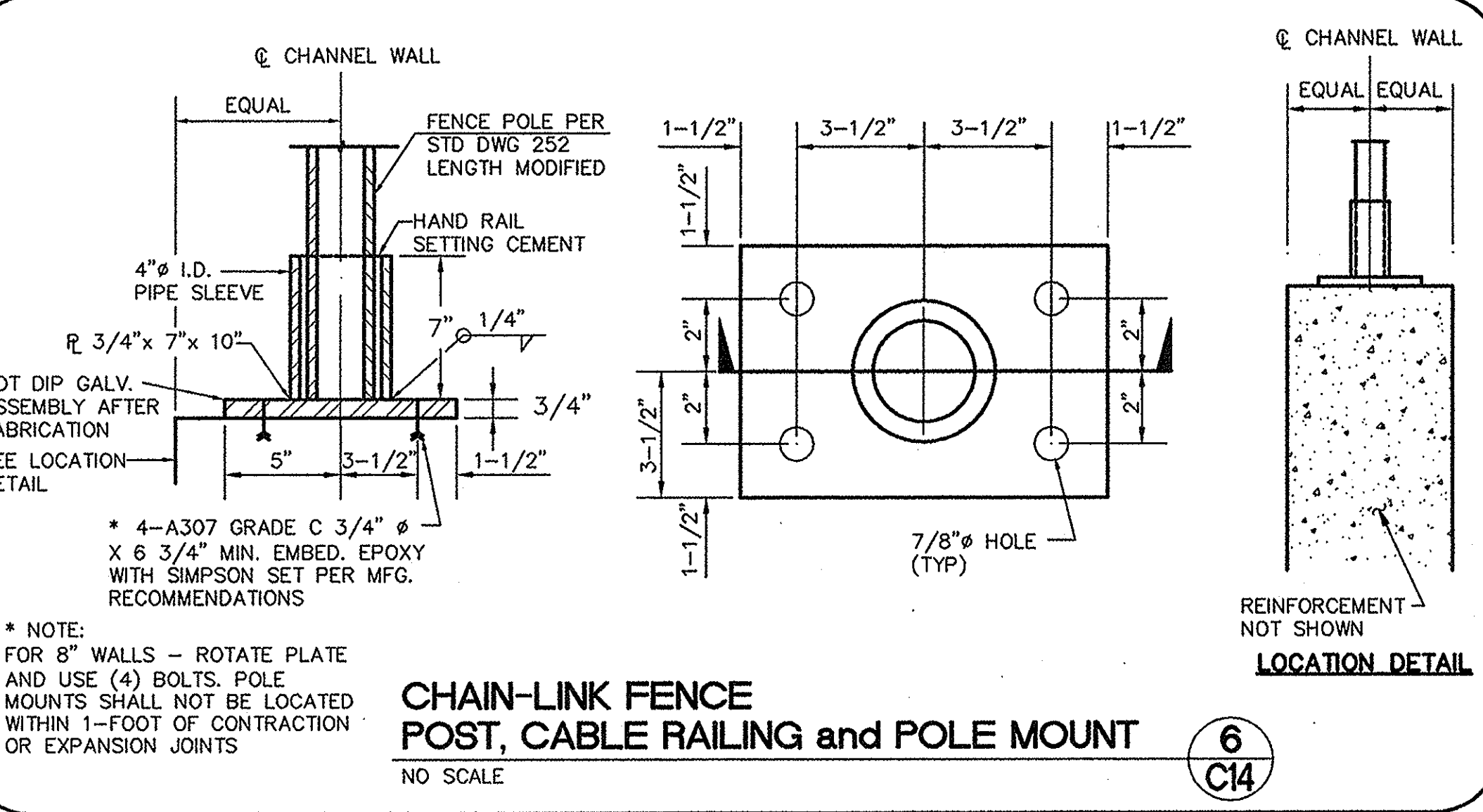
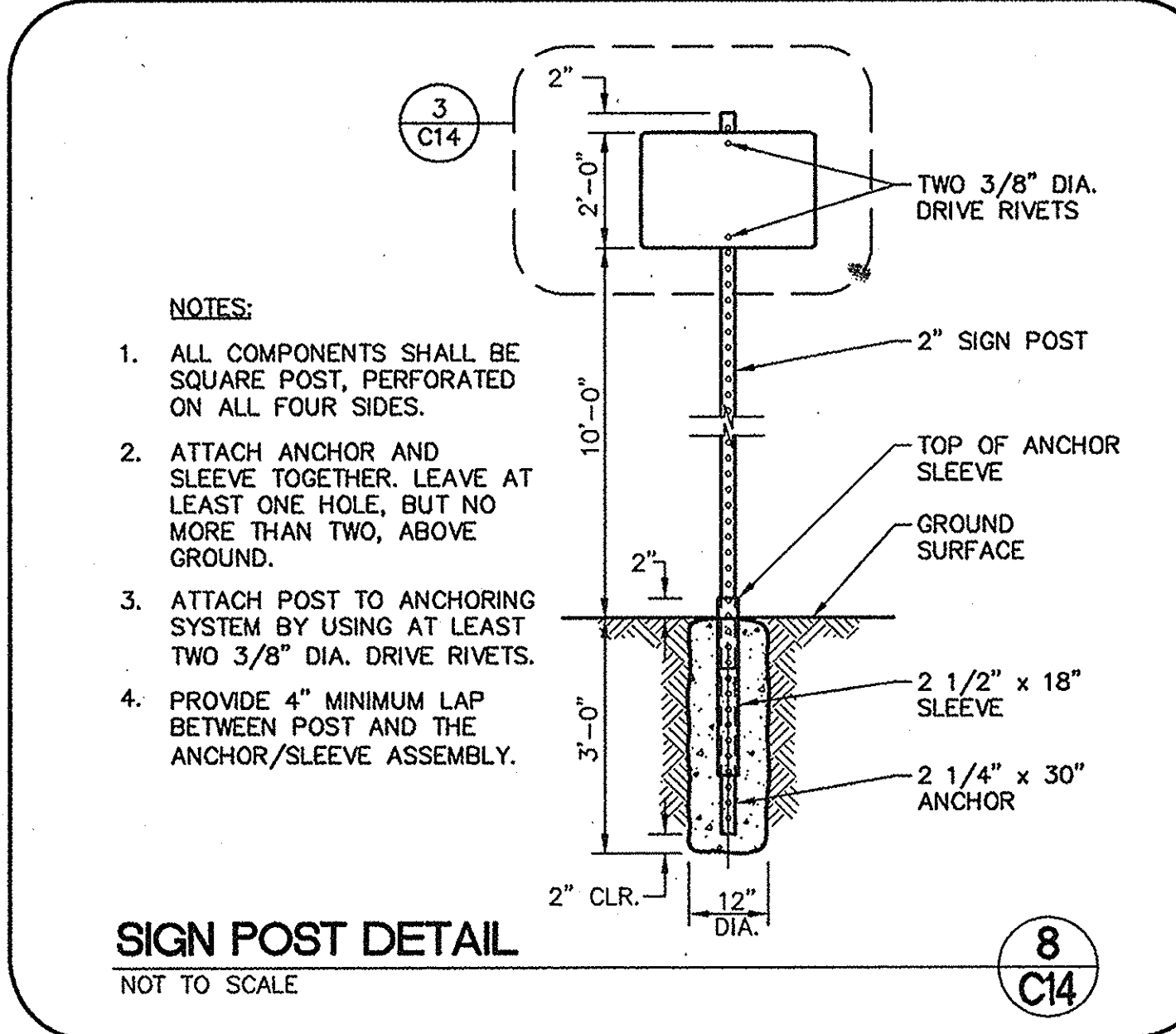
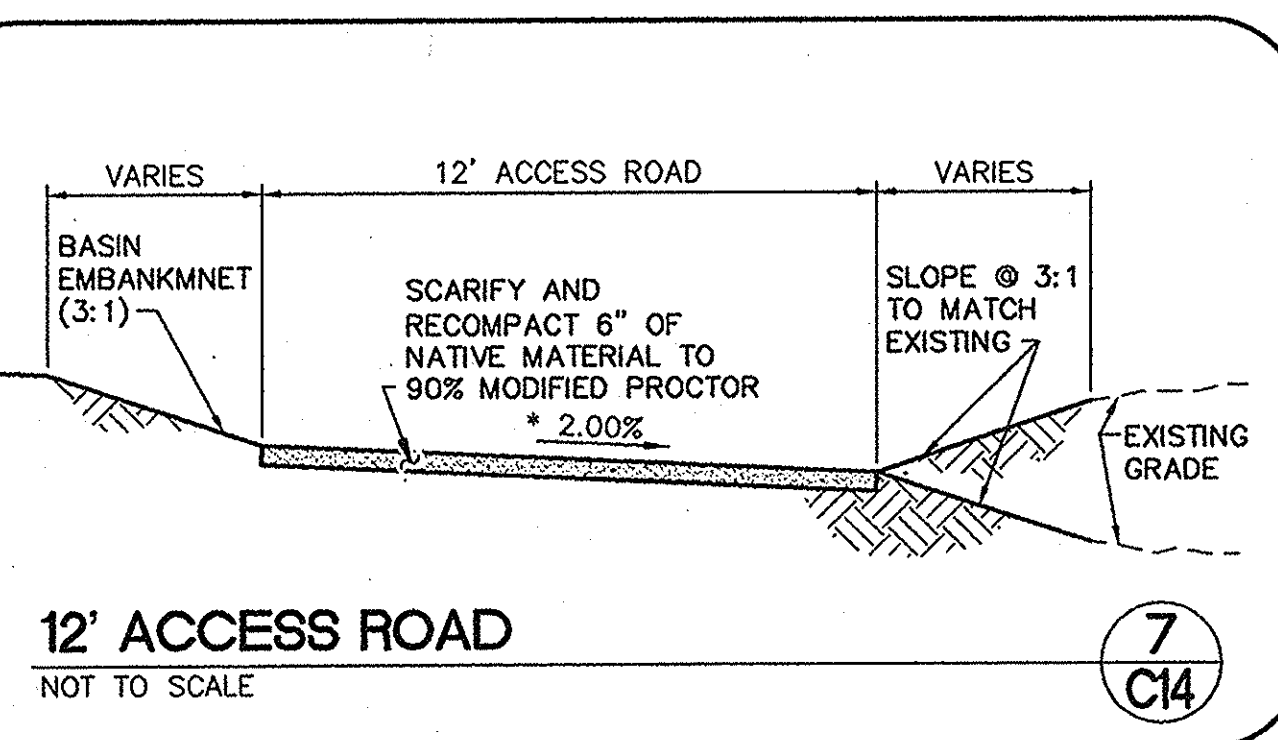
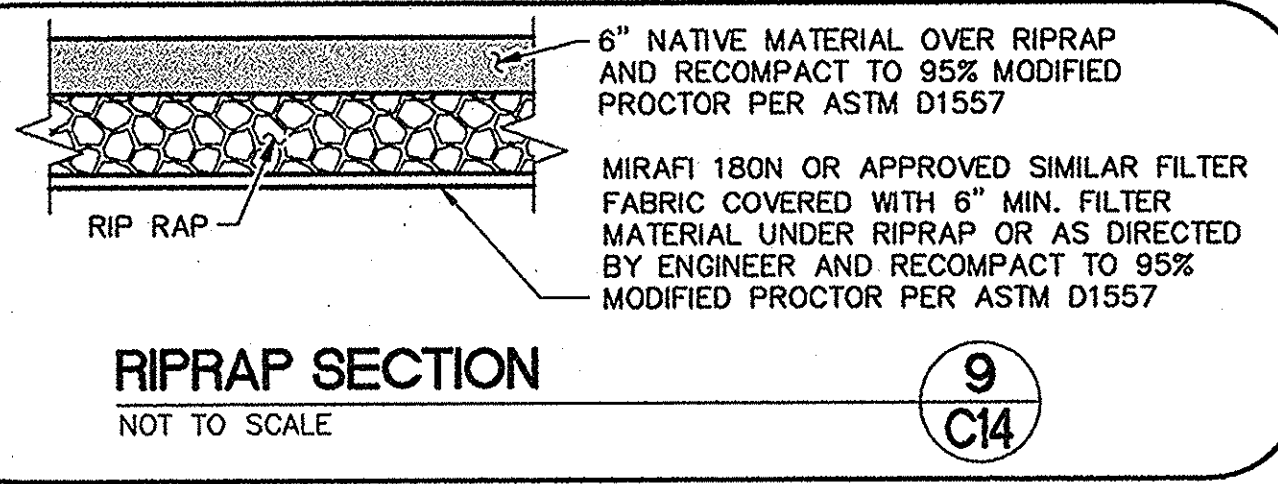
| | | | |
|---------------|-----------------------------------------------|-------|---------|
| DESIGNER: | GRANT Y. TOKUMI | DATE: | 7/19/07 |
| DRAWN: | | DATE: | |
| CHECK: | | DATE: | |
| ISSUE DATE: | | DATE: | |
| ISSUE EDITOR: | | DATE: | |
| PLOT DATE: | 07-18-07 | DATE: | |
| PLOT TIME: | 18:05:45 | DATE: | |
| DESCRIPTION: | COYOTE SPRINGS DETENTION BASIN 1 GRADING PLAN | | |

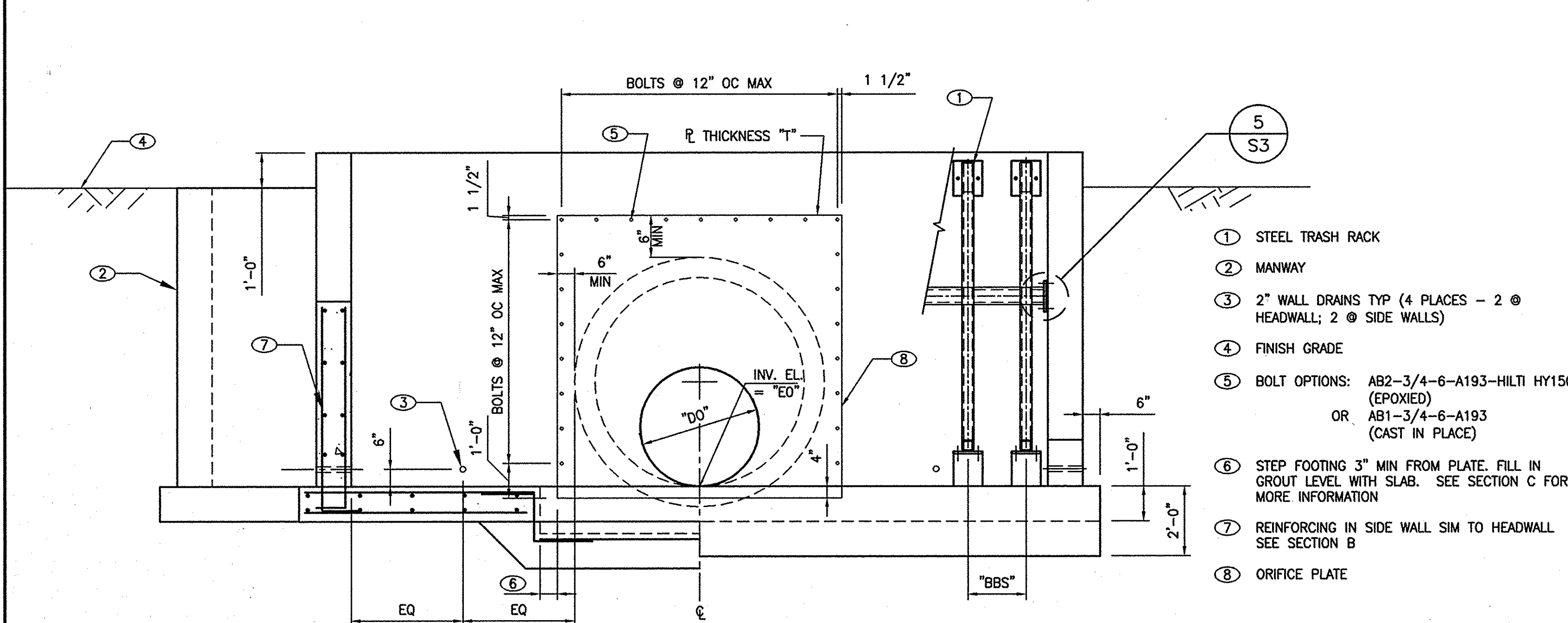
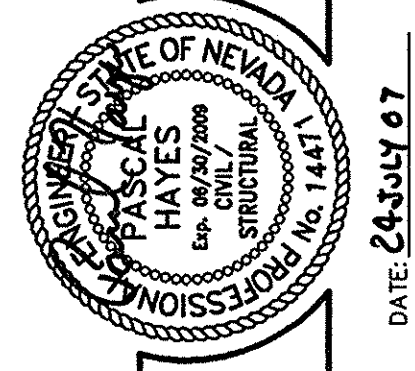
G. C. WALLACE COMPANIES
 ENGINEERS | PLANNERS | SURVEYORS
 1855 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
 T: 702.804.2000 F: 702.804.2299 GCWALLACE.COM



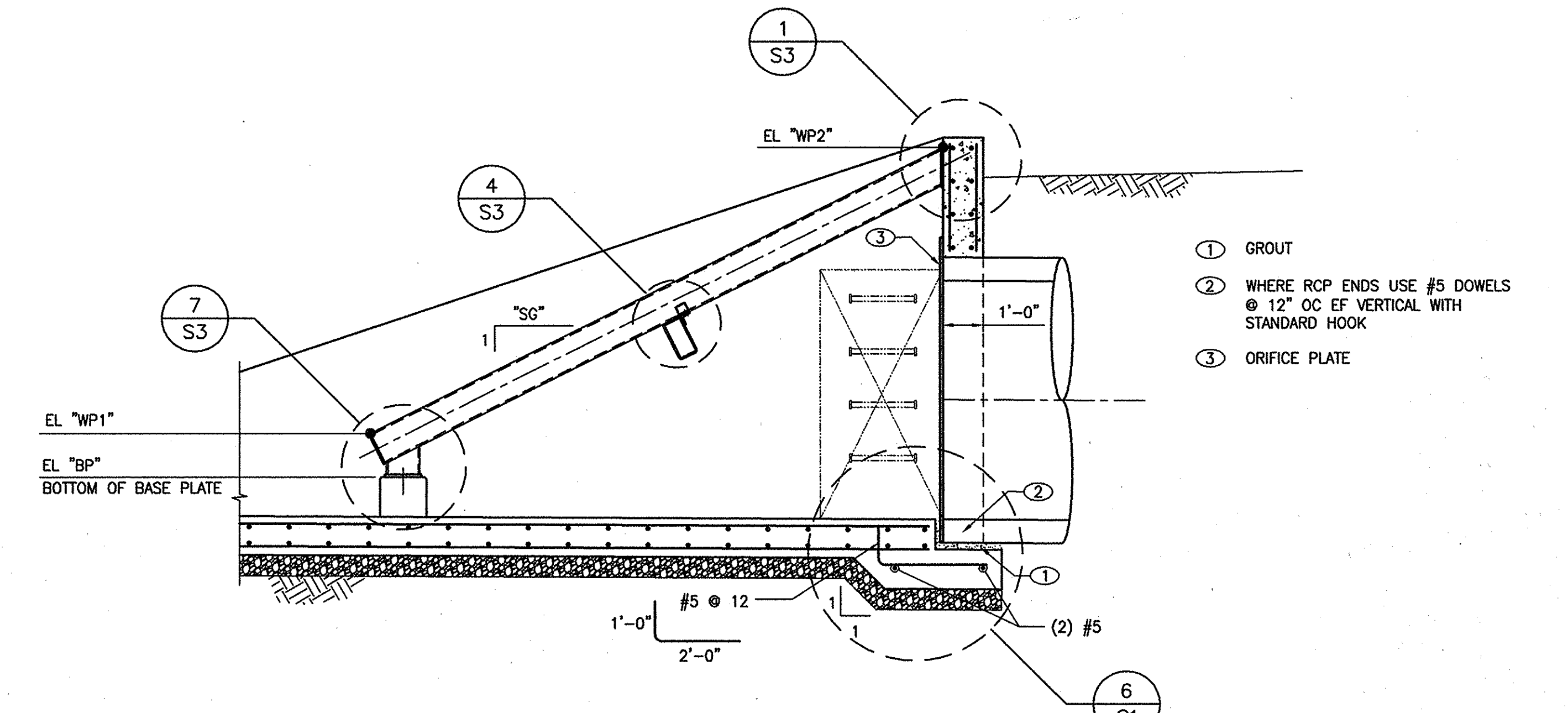
- GENERAL NOTES:**
1. ALL CONCRETE SHALL BE CLASS A OR CLASS AA.
 2. MANHOLES WITH MORE THAN ONE PIPE: THE INFLOW PIPE INVERT ELEVATIONS SHALL BE GREATER THAN OR EQUAL TO 0.1' ABOVE THE OUTFLOW PIPE INVERT ELEVATION.
 3. FOR VALUES OF "H", SEE PLANS. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTFLOW PIPE INVERT ELEVATION AND THE TOP OF MANHOLE ELEVATION AT PROPOSED GRADE.
 4. PRECAST CONCRETE PIPE SECTIONS, TAPERED SECTIONS, LIDS, GRADE RINGS, AND STEPS SHALL CONFORM TO AASHTO M 199 (ASTM C-478).
 5. MANHOLE COVER SHALL BEAR ENTITY IDENTIFICATION AND SYSTEM FUNCTION (IF APPLICABLE).
 6. SHAPE FLOWLINE IN MANHOLE TO OUTLET PIPE, AND PROVIDE A 10:1 MINIMUM SLOPE FROM ALL DIRECTIONS TOWARD FLOW LINE.

MODIFIED NDOT TYPE IV SD MANHOLE
 NOT TO SCALE

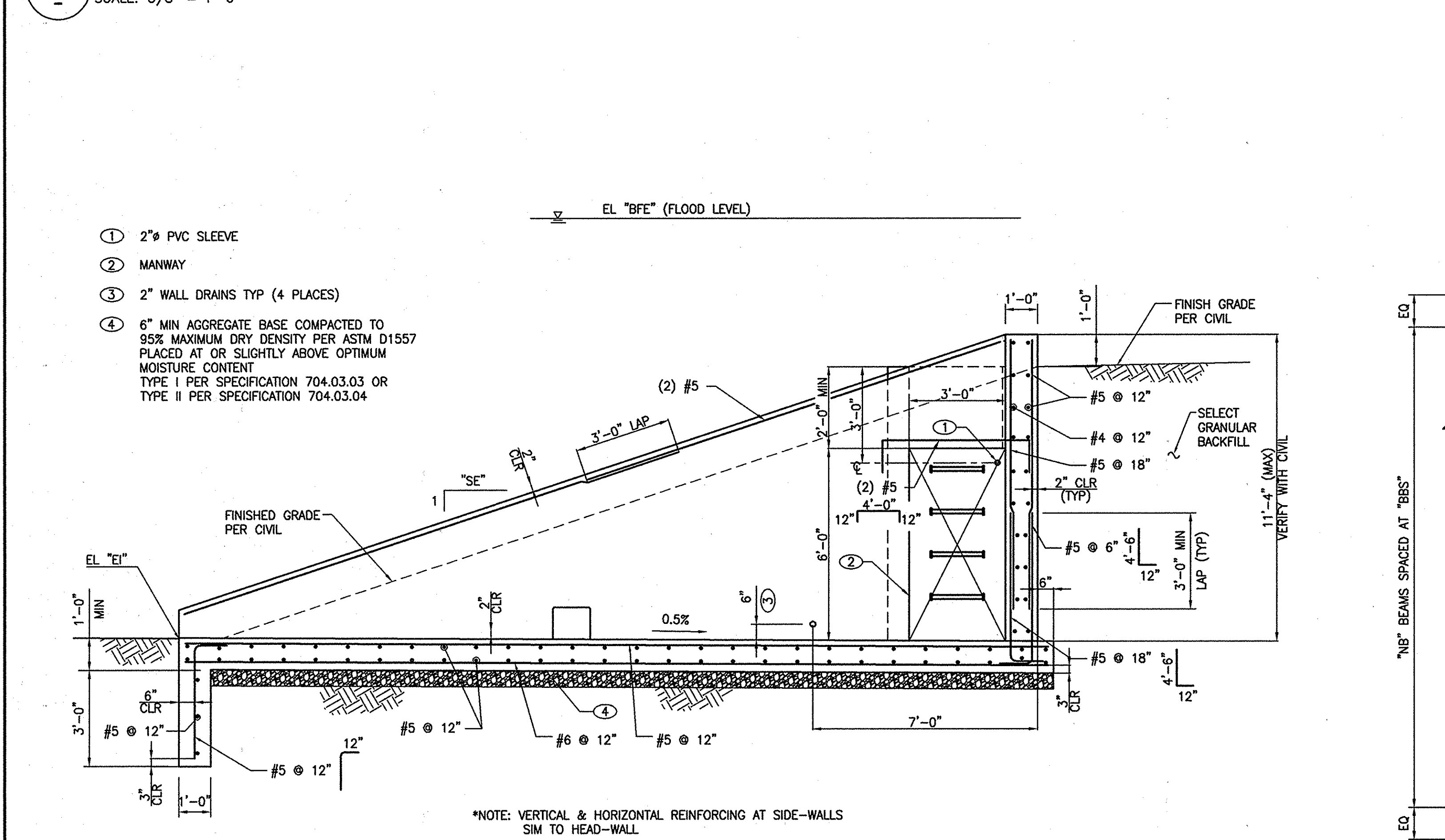




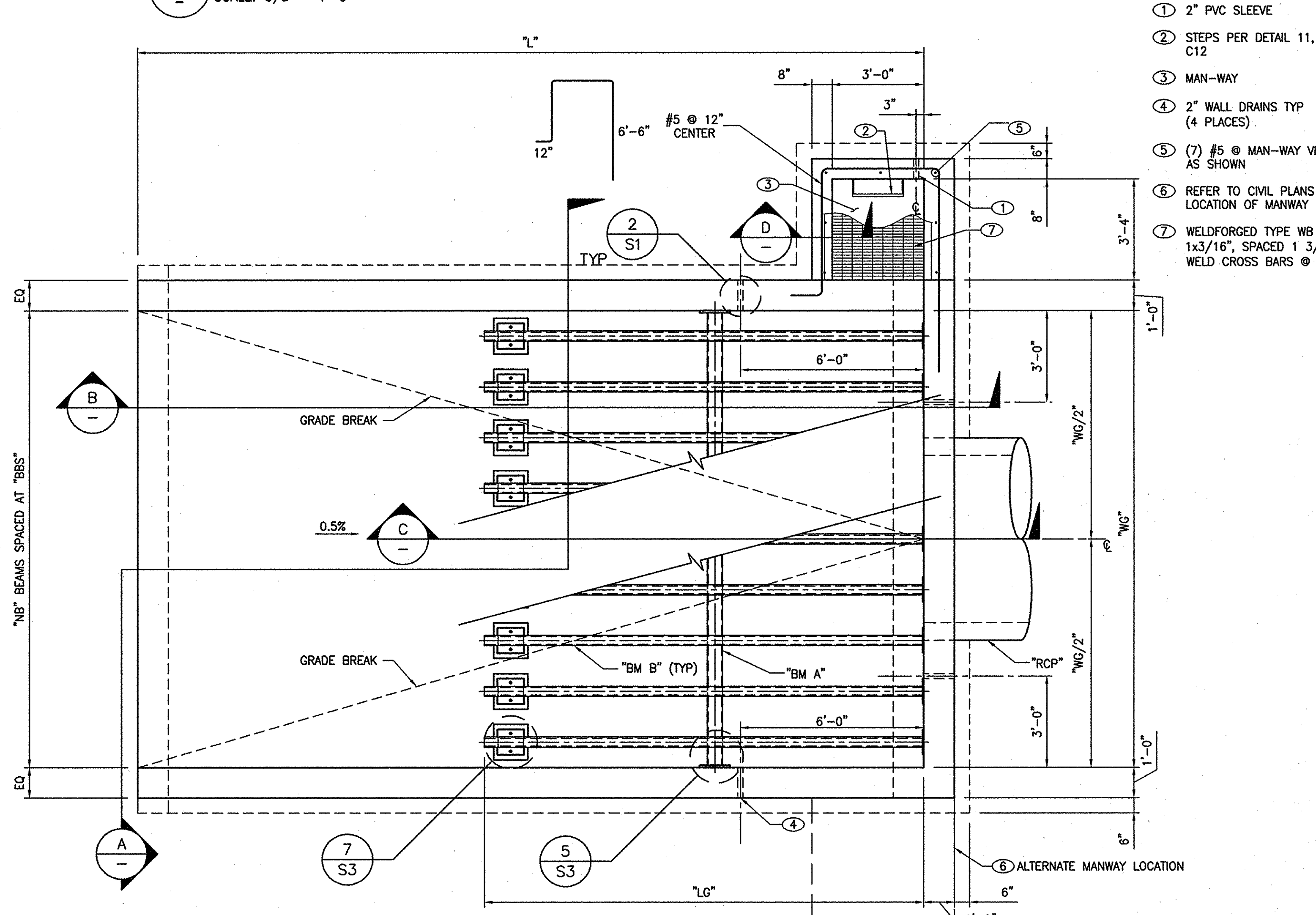
A TRANSVERSE SECTION
SCALE: 3/8" = 1'-0"



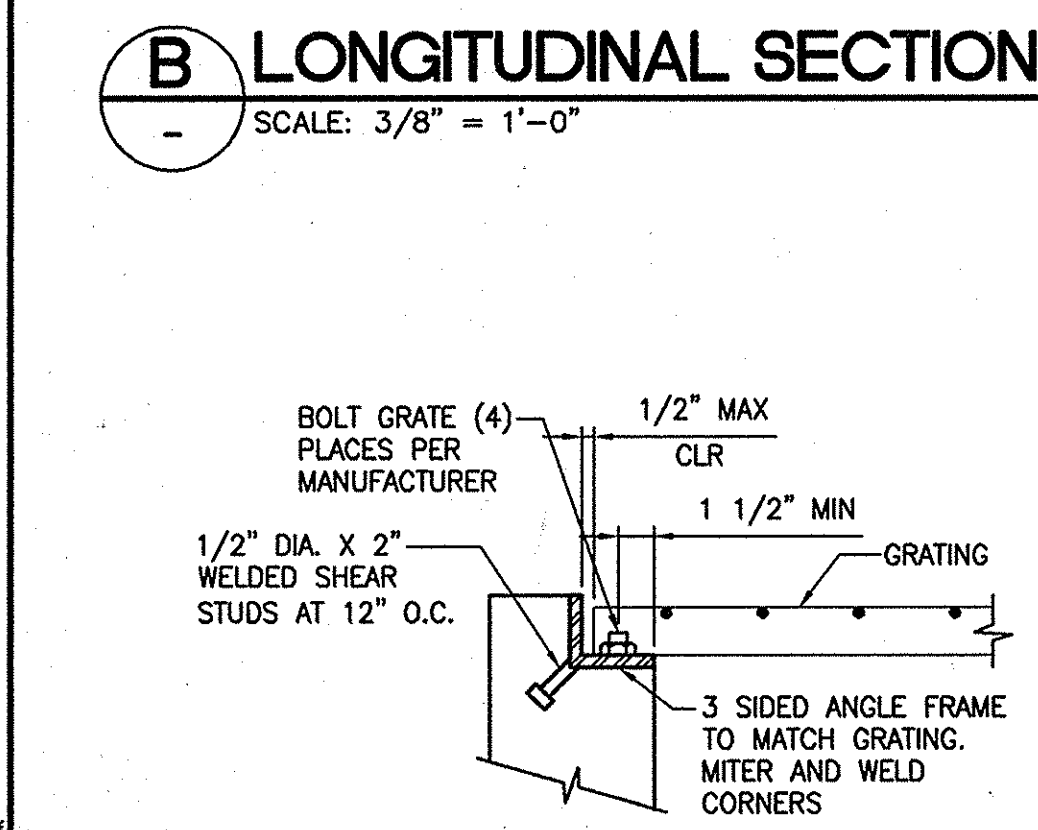
C LONGITUDINAL SECTION
SCALE: 3/8" = 1'-0"



B LONGITUDINAL SECTION
SCALE: 3/8" = 1'-0"



2 OUTFALL PLAN
SCALE: 3/8" = 1'-0"

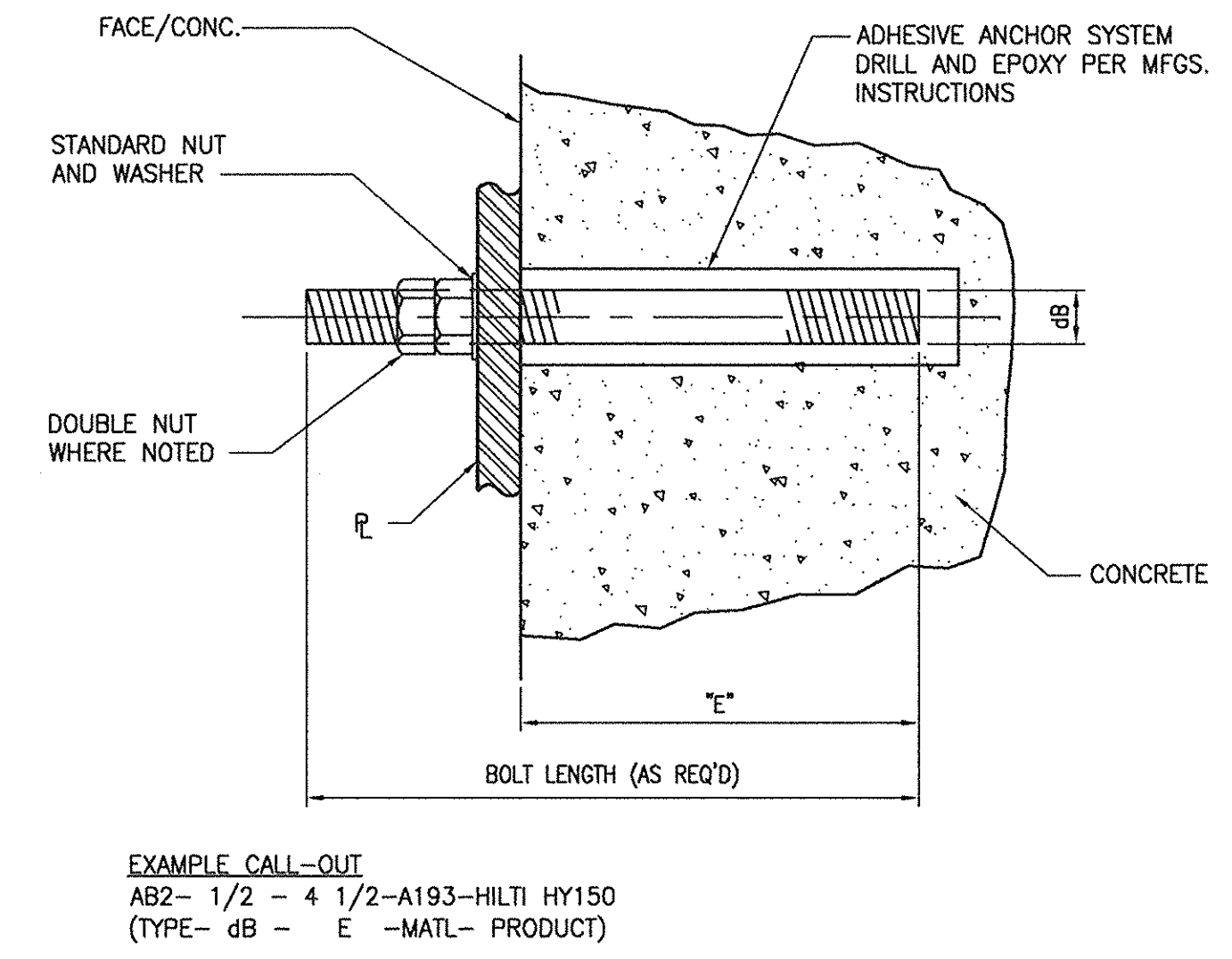


D SECTION
SCALE: 1 1/2" = 1'-0"

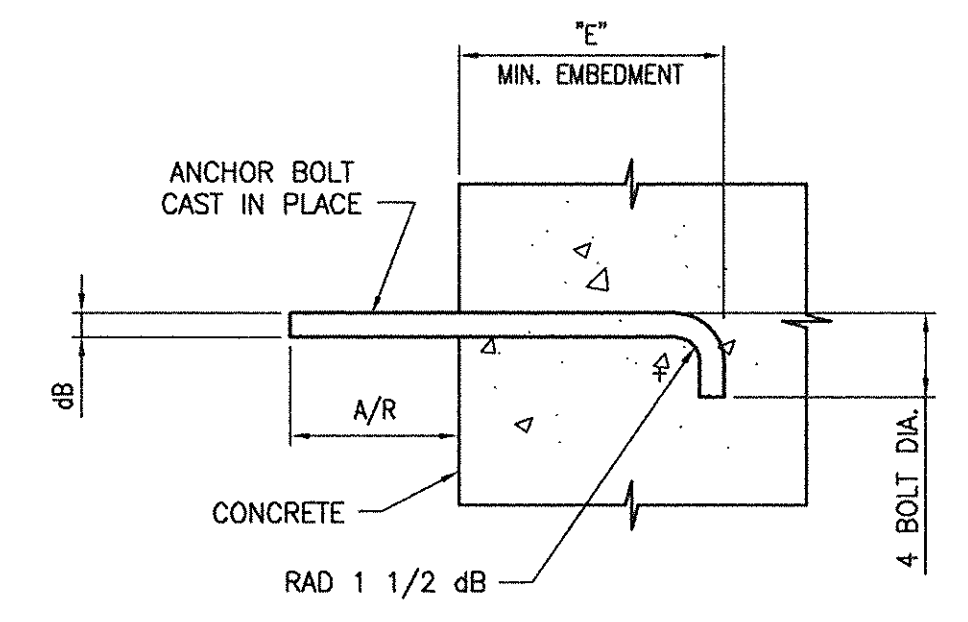
| INLET NAME | GEOMETRICS | | | | | | | | | | | BEAM SIZE/SPACING | | | ORIFICE PLATE | | | |
|------------|------------|----------|----------|---------|----------|---------|---------|---------|---------|---------|--------|-------------------|-------------|-------------|---------------|----------|---------|--------|
| | RCP (IN) | BFE (FT) | WP1 (FT) | EI (FT) | WP2 (FT) | EO (FT) | BP (FT) | WG (FT) | LG (FT) | SG (FT) | L (FT) | SE | BM A | BM B | NB | BBS (IN) | DO (IN) | T (IN) |
| LOW | 60 | 2626.46 | 2594.77 | 2593.40 | 2602.70 | 2593.27 | 2593.90 | 9.00 | 15.86 | 2 | 25.50 | 3 | HSS12x4x3/8 | HSS8x4x1/4 | 5 | 20 | 41 | 5/8 |
| HIGH | 84 | 2626.46 | 2598.54 | 2597.04 | 2607.79 | 2596.88 | 2597.60 | 16.50 | 18.50 | 2 | 30.00 | 3 | HSS16x8x1/2 | HSS8x4x5/16 | 9 | 20 | 64 | 3/4 |

1 OUTFALL SCHEDULE
SCALE: 1/4" = 1'-0"

CLARK COUNTY SUBMITTAL
REV. DATE
DATE AGEN. APP. DATE SEAL APP.
DESIGN: RDB
DRAWN: JMH
CHECK: PKH
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 07-24-07
PLOT TIME: 15:09:16
G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1000 W. WASHINGTON ST. SUITE 200
T. 702.894.3000 F. 702.894.2299 COWALLACE.COM
COYOTE SPRINGS
DETENTION BASIN 1
LOW/HIGH OUTFALL STRUCTURE DETAILS
DRAWING
S2
25 OF 26 SHEETS
HTE: 00-00000

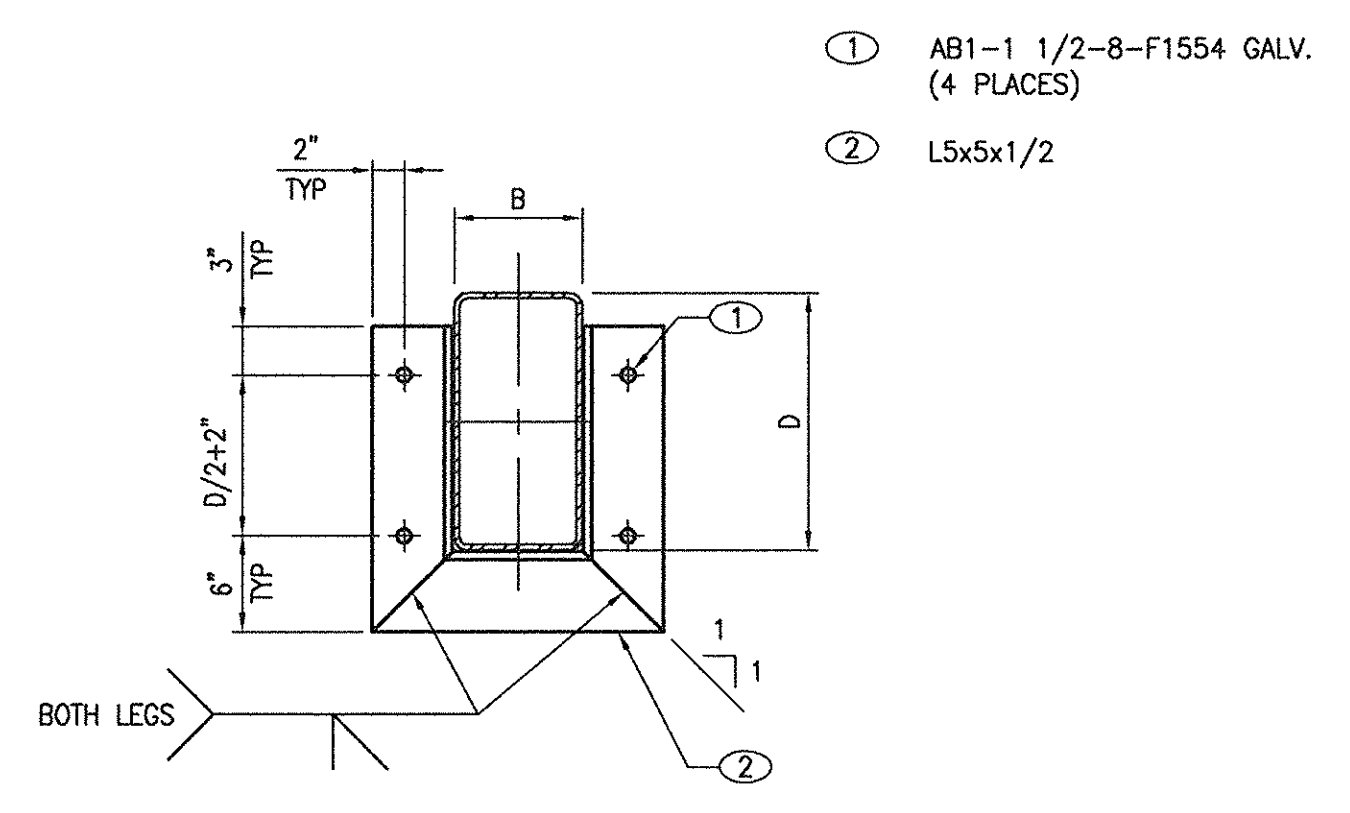


6 AB2 - ADHESIVE ANCHOR (CONCRETE/GROUTED MASONRY)
 SCALE: 3/4" = 1'-0"

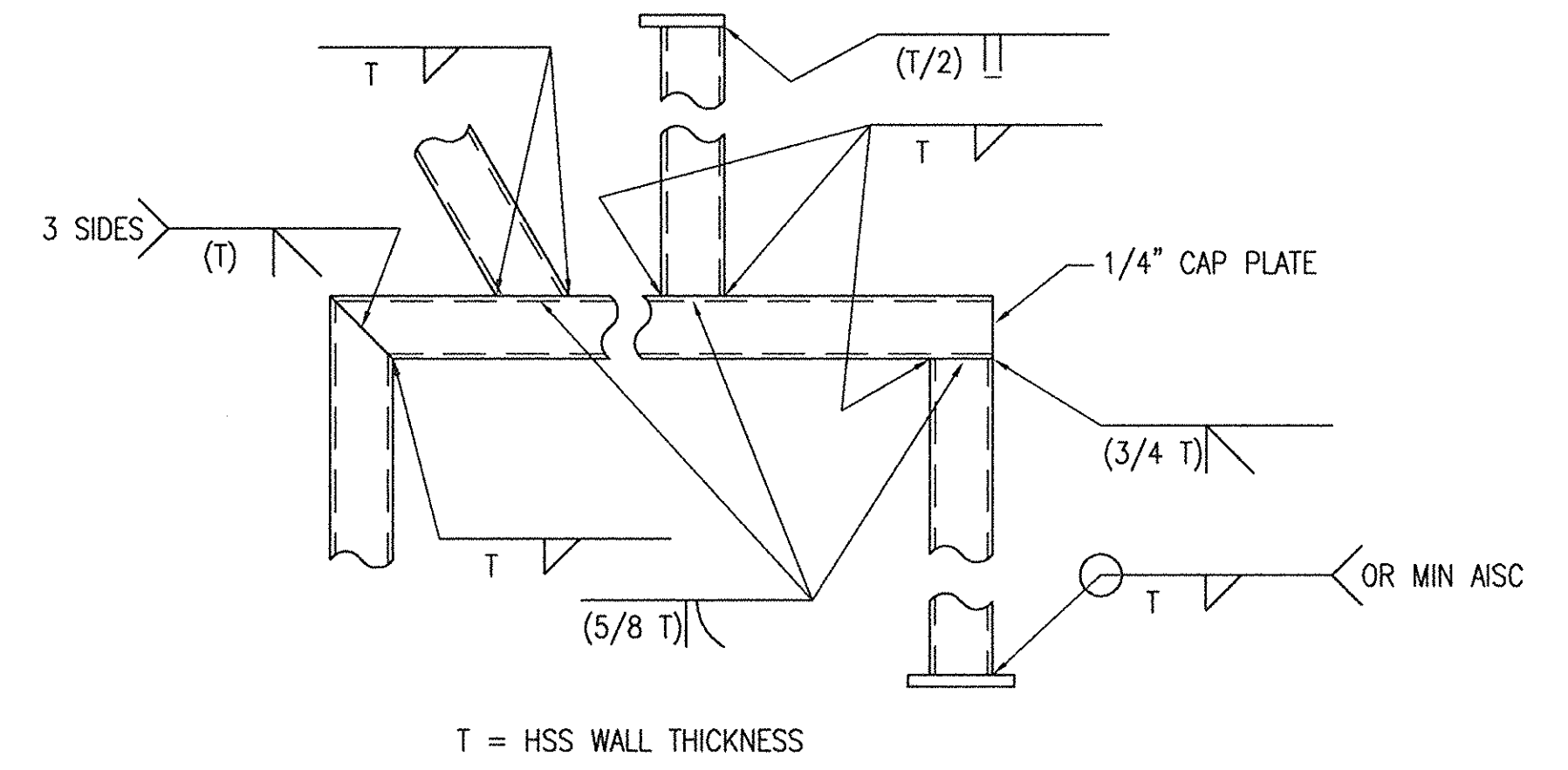


NOTES:
 1. MINIMUM EDGE DISTANCE OF 6 BOLT DIAMETERS.
 EXAMPLE CALL-OUT
 AB1- 1/2 - 4 - A193
 (TYPE- dB - E - MATL)

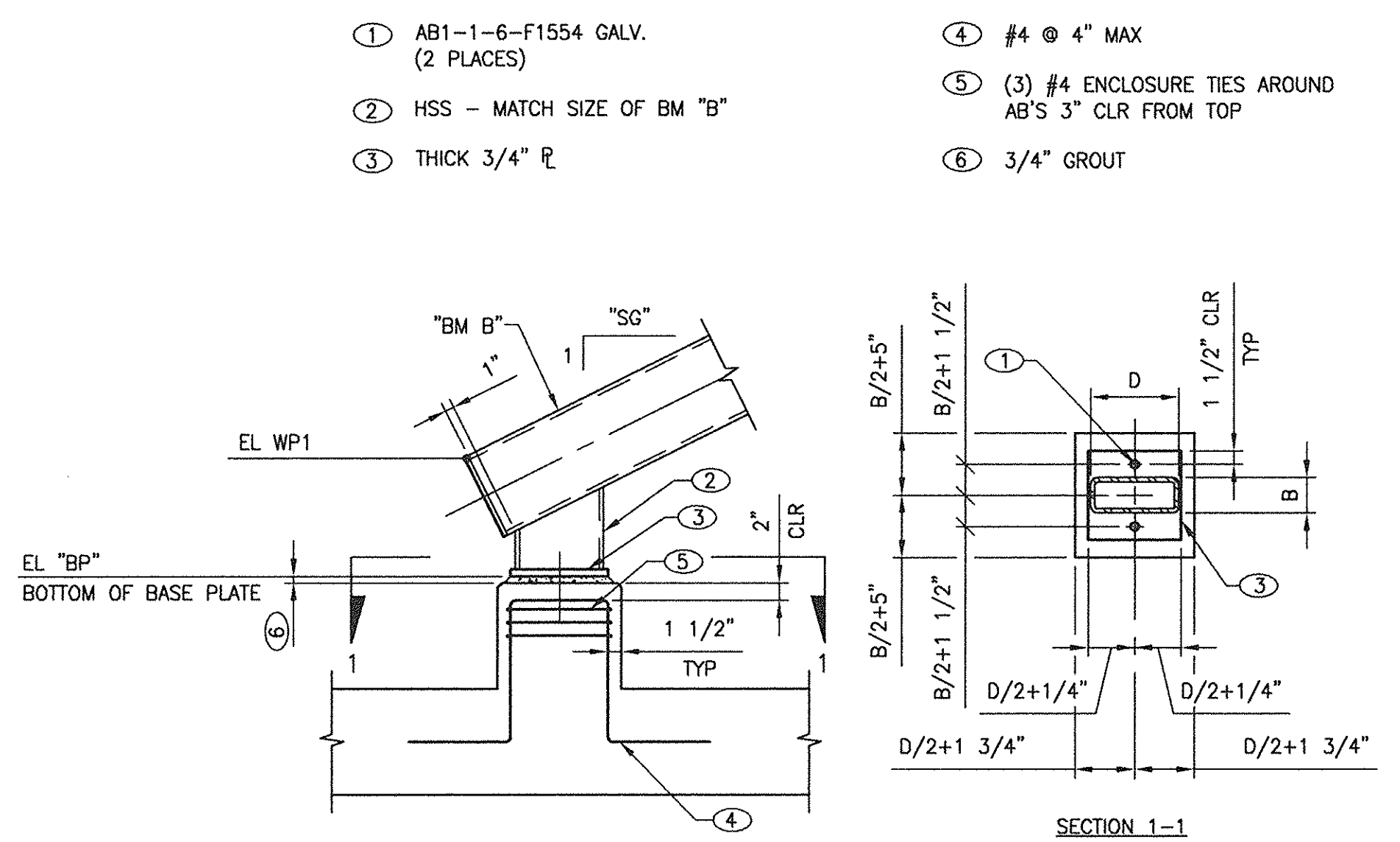
3 AB1 - CIP ANCHOR BOLT (CONCRETE)
 SCALE: 3/4" = 1'-0"



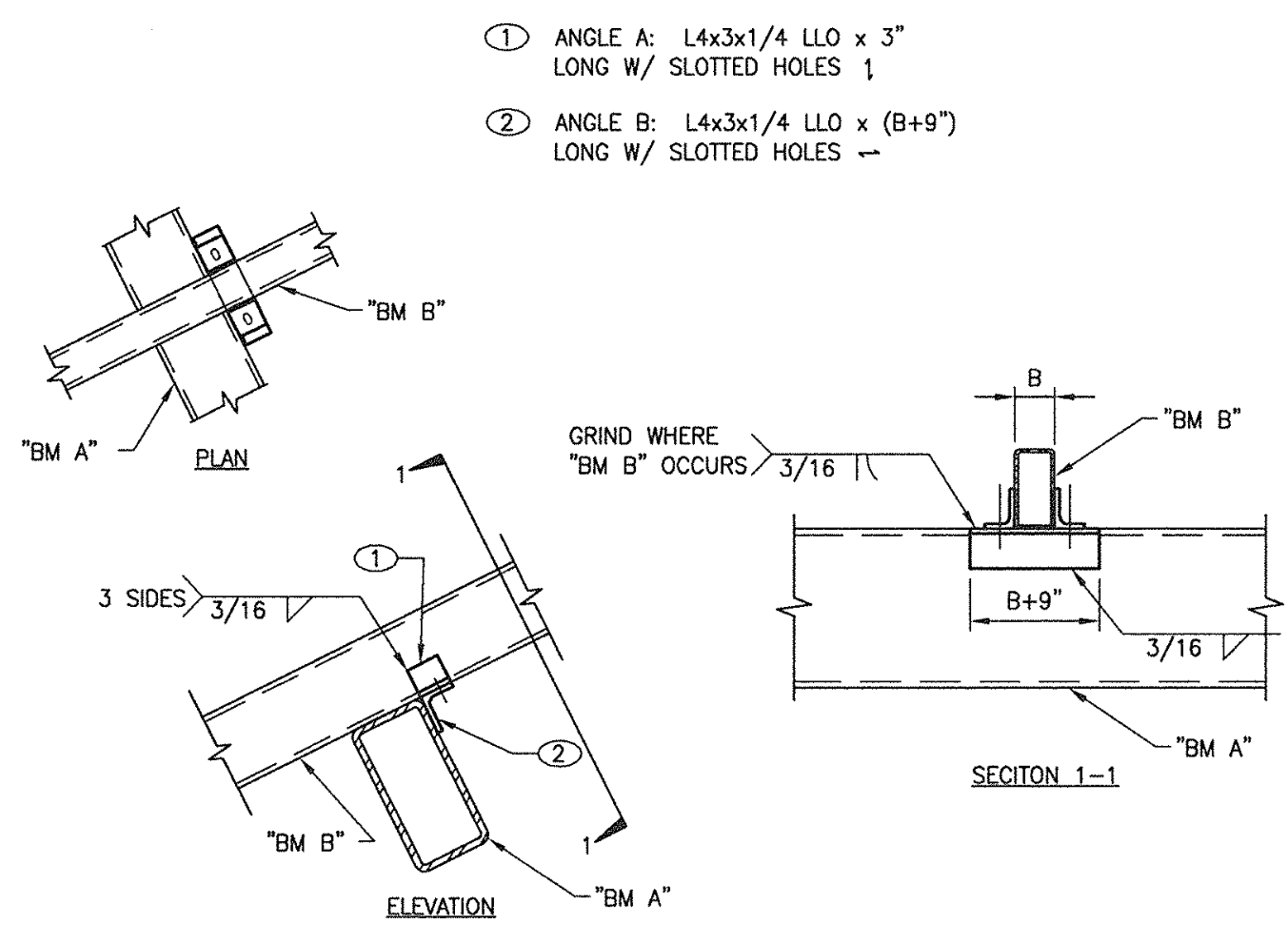
5 STEEL HANGER AT CONCRETE
 SCALE: 1" = 1'-0"



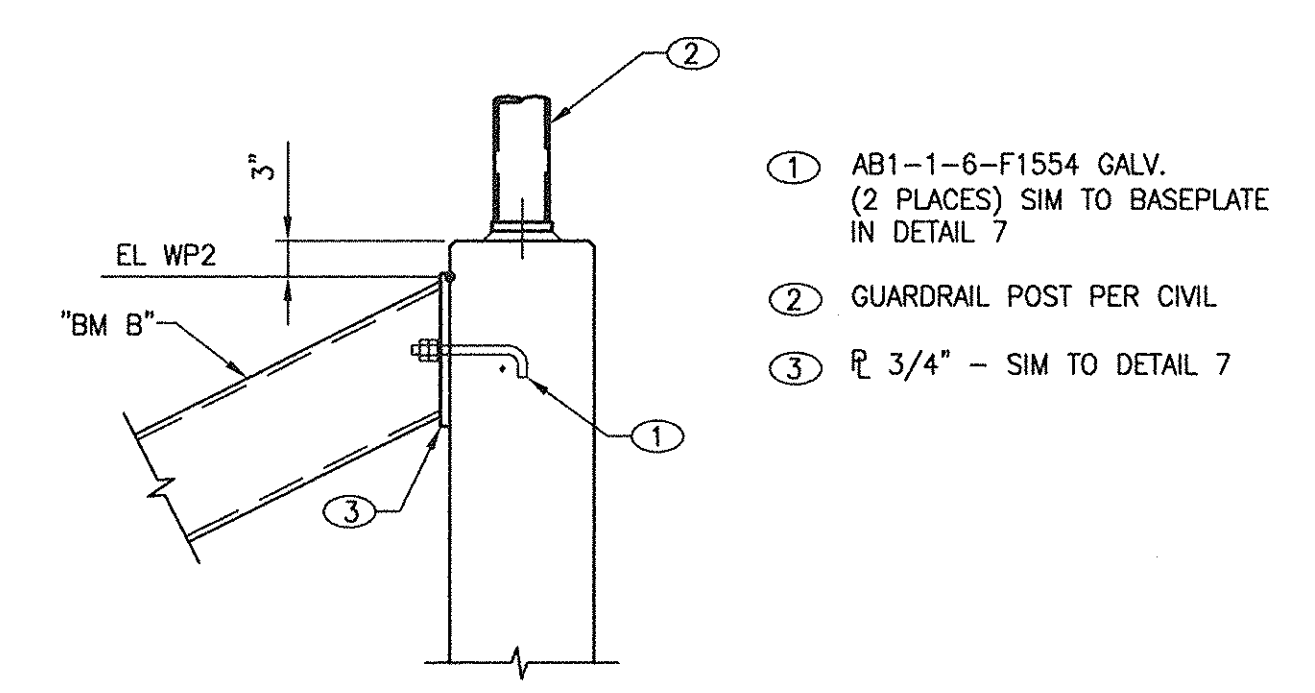
2 TYPICAL HSS WELDS
 SCALE: 3/4" = 1'-0"



7 BASE PLATE
 SCALE: 3/4" = 1'-0"



4 BEAM TO BEAM CONNECTION
 SCALE: 3/4" = 1'-0"



1 BEAM TO CONCRETE CONNECTION
 SCALE: 3/4" = 1'-0"

| | |
|---------------------|-------------------------------------|
| DESIGN: ROB | DATE: 07-19-07 |
| DRAWN: AMH | REV. DATE: 10-31-18 |
| CHECK: PKH | DESCRIPTION: CLARK COUNTY SUBMITTAL |
| ISSUE DATE: | |
| ISSUE EDITOR: | |
| PLOT DATE: 07-19-07 | |
| PLOT TIME: 10:31:18 | |

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COYOTE SPRINGS
 DETENTION BASIN 1
 OUTFALL STRUCTURE DETAILS