

SITE CONSTRUCTION DOCUMENTS FOR CARSON DRIVE STREETScape PHASE II

PREPARED FOR

CITY OF FORT WALTON BEACH

107 MIRACLE STRIP PARKWAY
FORT WALTON BEACH, FLORIDA 32548
(850) 833-9500

MAYOR MIKE ANDERSON

COUNCIL MEMBERS

SEAT 1 SCOTT SMITH
SEAT 2 DIANE KELLER
SEAT 3 JOHN MEAD
SEAT 4 MIKE HOLMES
SEAT 5 AMY JAMIESON
SEAT 6 MG MORAN
SEAT 7 DICK RYNEARSON



VICINITY MAP
N.T.S

GOVERNING STANDARDS & SPECIFICATIONS (WHERE APPLICABLE):
CITY OF FORT WALTON BEACH ENGINEERING STANDARDS MANUAL DATED NOVEMBER 2012;
FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FISCAL YEAR 2017;
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 2017,
AS AMENDED BY CONTRACT DOCUMENTS;
FLORIDA BUILDING CODE DATED 2014.

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

APRIL 2017

**100% Construction Plans
Not Released For Construction**

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NUMBER	REVISIONS	DATE	APPROVED BY

CARSON DRIVE STREETScape - 100044431

ENGINEER OF RECORD
KEVIN M. MORGAN FL# 71350
DRAWN BY: JPB
DESIGNED BY: JPB
CHECKED BY: KMM
APPROVED BY: GSA
PROJECT NUMBER 100044431
DRAWING NUMBER G-001

User: burke369 T:\City of FWB\Carson Street Streetscape\DWGS\Plan Sheets\G-001 Cover Sheet.dwg 04/19/2017 08:22:35 AM

GENERAL NOTES:

1. CONTRACTOR SHALL ADHERE TO THE CITY OF FORT WALTON BEACH AND OTHER AUTHORITIES HAVING JURISDICTION RULES CONCERNING SAFETY.
2. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
3. AT THE PRE-CONSTRUCTION MEETING THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE WHO SHALL BE CAPABLE OF BEING REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
4. HORIZONTAL AND VERTICAL CONTROL HAS BEEN PROVIDED FOR THE CONTRACTOR PER THE SURVEY INFORMATION PROVIDED ON THE SHEETS INCLUDED IN THIS SET. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SURVEY CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION AND/OR SETTING ADDITIONAL CONTROLS IF REQUIRED DUE TO MEANS AND METHODS FOR CONSTRUCTION OF THE IMPROVEMENTS.
5. CONTRACTOR IS TO NOTIFY CITY OF FORT WALTON BEACH AND ENGINEER OF RECORD 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
6. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE CITY OF FORT WALTON BEACH.
7. CLEAR AND GRUB ONLY AS NECESSARY TO COMPLETE NEW CONSTRUCTION.
8. BURNING SHALL NOT BE PERMITTED ONSITE OR WITHIN CITY LIMITS.
8. EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES IN ACCORDANCE WITH CITY AND STATE REQUIREMENTS.
9. THE CONTRACTOR SHALL ARRANGE WITH THE CITY AN INSPECTION OF THE EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO CONSTRUCTION, PROPOSED DRAINAGE STRUCTURES AND PIPING PRIOR TO BURIAL, AND THE FINAL INSPECTION OF THE ENTIRE PROJECT UPON COMPLETION.
10. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT AND CONTROL EROSION AND SEDIMENTATION. MEASURES FOR EROSION CONTROL DEPICTED IN THE PLANS ARE MINIMUM SUGGESTIONS ONLY AND DO NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY TO PREVENT AND CONTROL EROSION AND SEDIMENTATION. THESE CONTROLS SHALL BE ADDED TO OR REINFORCED AS CONDITIONS DICTATE AT NO ADDITIONAL COST TO THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT. UPON COMPLETION OF THE PROJECT, THE SITE SHALL BE CLEANED OF SILT, STABILIZATION OF ALL DISTURBED AREAS SHALL BE ACCOMPLISHED, AND THE PERVIOUS AREA IS TO BE RECONFIGURED TO DESIGN CROSS-SECTIONS, AND SODDED.
11. EROSION SHALL BE CONTROLLED BY THE USE OF A HAY BALE BARRIER/SILT FENCE AS SHOWN ON PLANS OR BY WHATEVER MEANS NECESSARY AND SHALL BE SETUP PRIOR TO COMMENCING CONSTRUCTION. THE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING MATERIAL DOES NOT SPILL, LEAK, OR FALL FROM TRUCKS HAULING MATERIAL TO OR AWAY FROM SITE, INCLUDING MATERIAL FALLING FROM TIRES. SHOULD THE STATE, COUNTY, OR CITY REQUIRE SWEEPING AND CLEANING OF ROADWAYS DUE TO THE ABOVE, THE SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY FINES DUE TO THE ABOVE.
13. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL.
14. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STANDARDS FOR EROSION CONTROL.
15. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 13 (ABOVE).
16. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
17. THE CONTRACTOR'S MEANS AND METHODS OF GROUNDWATER DEWATERING SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING ACQUISITION OF PERMIT PER FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NONCONTAMINATED SITE ACTIVITY. WRITTEN PROOF OF COMPLIANCE SHALL BE PROVIDED TO THE CITY PRIOR TO ANY CONSTRUCTION-RELATED ACTIVITIES. IN ORDER TO OBTAIN COMPLIANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE SAMPLING AND TESTING.
18. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
19. CONTRACTOR SHALL NOTIFY SUNSHINE 811 TWO (2) FULL BUSINESS DAYS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.
20. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANIES FOR STABILIZATION OR REMOVAL AND RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, WATER LINES, GAS LINES, AND OTHER UTILITIES AS NECESSARY.

21. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHOULD NOTIFY THE PROJECT ENGINEER IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION.
22. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITY, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PRESERVING AND PROTECTING SAID UTILITY OR STRUCTURE.
23. ADEQUATE PROVISIONS SHALL BE MADE FOR FLOW OF SEWERS, DRAINS, AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
24. THE CONTRACTOR SHALL COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE CONSTRUCTION DOCUMENTS. TESTING SHALL BE PAID FOR BY THE CONTRACTOR AND THE CITY SHALL APPROVE OF TESTING LAB CHOSEN. CONTRACTOR SHALL COORDINATE AND ASSIST TESTING LABORATORIES WITH TESTING. ANY NECESSARY RE-TESTING SHALL BE PAID FOR BY THE CONTRACTOR.
25. ALL EXCESS MATERIAL EXCAVATED AND NOT USED AS FILL AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A LEGAL AND RESPONSIBLE MANNER BY THE CONTRACTOR.
26. CONTRACTOR SHALL COMPLETE ALL WORK INDICATED IN CONSTRUCTION DOCUMENTS USING HAND LABOR IF NECESSARY OR APPROPRIATE.
27. CONTRACTOR SHALL PIN SOD ON ALL SLOPES 3 TO 1 OR GREATER.
28. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS BETWEEN VENDOR DRAWINGS, EXISTING CONDITIONS, AND THE CONSTRUCTION DOCUMENTS.
29. OFFSITE STAGING AREA AND EQUIPMENT STORAGE SHALL BE APPROVED BY OWNER PRIOR TO USE. A COPY OF THE AGREEMENT SHALL BE PROVIDED TO THE CITY.
30. WHERE PERMANENT SOD IS BEING INSTALLED, TOPSOIL AT LEAST SIX INCHES DEEP SHALL BE PROVIDED AS A BASE.
31. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF SIX INCHES AND COMPACTED ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A LEVEL SEED BED FOR THE ESTABLISHMENT OF HIGH MAINTENANCE TURF. AVOID UNDUE COMPACTION.
32. IF THE QUANTITY OR QUALITY OF EXISTING STOCKPILED OR EXCAVATED TOPSOIL IS INADEQUATE FOR PLANTING, SUFFICIENT ADDITIONAL TOPSOIL SHALL BE IMPORTED TO THE SITE BY THE CONTRACTOR. TOPSOIL FURNISHED SHALL BE A NATURAL, FERTILE, FRIABLE, LOAMY SOIL, POSSESSING CHARACTERISTICS OF REPRESENTATIVE PRODUCTIVE SOILS IN THE VICINITY. TOPSOIL SHALL BE OBTAINED FROM NATURALLY WELL-DRAINED AREAS. TOPSOIL SHALL BE WITHOUT ADMIXTURE OF SUBSOIL AND FREE FROM JOHNSON GRASS (SORGHUM HALAPENSE), NUT GRASS (CYPRUS ROTUNDAS), COGON GRASS (IMPERATA CYLINDRICA), AND OBJECTIONABLE WEEDS AND TOXIC SUBSTANCES. IT SHALL BE FREE OF DEBRIS, TRASH STUMPS, ROCKS, AND NOXIOUS WEEDS, AND SHOULD GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY PLANT GROWTH.
33. THE pH OF THE TOPSOIL ONSITE AND ANY IMPORTED TOPSOIL SHALL BE DETERMINED. IF THE pH IS BELOW 5.0, SUFFICIENT LIME SHALL BE ADDED TO PROVIDE A pH BETWEEN 5.5 AND 6.5. THE LIME SHALL BE THOROUGHLY INCORPORATED INTO THE TOP THREE OR FOUR INCHES OF THE SOIL. LIME AND FERTILIZER MAY BE APPLIED IN ONE OPERATION.
34. AFTER THE SITE HAS BEEN BROUGHT TO PROPER GRADE FOR PLACEMENT OF TOPSOIL AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISKING OR SCARIFYING TO A DEPTH OF 2 INCHES TO ENSURE BONDING OF THE TOPSOIL AND SODDING.
35. TOPSOIL SHALL NOT BE PLACED WHILE IN A MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING.
36. ANY IRREGULARITIES IN THE SURFACE, RESULTING FROM TOP SOIL OPERATION OR OTHER OPERATIONS, SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
37. ALL WORK SHALL BE CONFINED TO WITHIN THE CITY R/W OR PROPERTY LIMITS, WORK ON PARCEL(S) FOR WHICH THE CITY HAS ACQUIRED EASEMENT(S) FOR CONSTRUCTION, AND WORK ON ECUA PROPERTY, AS SHOWN IN THE PLANS.
38. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION TO TREES TO REMAIN (PER FDOT STD. INDEX 544 TREE PROTECTION BARRICADE). FOR ANY TREE SHOWN TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR'S FORCES, THE CONTRACTOR SHALL PAY THE CITY OF FORT WALTON BEACH THE SUM OF \$150.00 DOLLARS PER INCH DIAMETER OF TREE THAT IS DAMAGED.
39. TRENCHING AND GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE.
40. ALL TREES, SHRUBS, PLANTS AND ASSOCIATED LANDSCAPE INFRASTRUCTURE IN PUBLIC R/W SHALL BE REMOVED ONLY AS NECESSARY AND REPLACED TO THE SATISFACTION OF THE CITY.
41. CONTRACTOR SHALL COORDINATE WITH THE CITY PRIOR TO THE REMOVAL OF ANY TREES.
42. SHOULD CONTRACTOR ELECT TO USE ONSITE EXCAVATION AS FILL, HE IS CAUTIONED NO ADDITIONAL TIME OR COST WILL BE ALLOWED SHOULD MATERIAL BECOME WET AND UNWORKABLE. IF NECESSARY, CONTRACTOR WILL BE REQUIRED TO BRING IN OFFSITE FILL MATERIAL MEETING TECHNICAL SPECIFICATIONS AT HIS OWN EXPENSE.
43. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL EXISTING AND NEW STORMWATER PIPES AND STRUCTURES IMPACTED BY THE PROJECT AT END OF CONSTRUCTION AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED. SUCH FLUSHING MAY REQUIRE ISOLATING RUNS OF PIPE WITH PLUGS AND PUMPING TO FLUSH.

44. WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAWCUT FOR A STRAIGHT EDGE AND CLEAN JOINT.
45. WHERE NEW CURB JOINS EXISTING CURB, STYLE SHALL MATCH UNLESS OTHERWISE NOTED. EXISTING CURB SHALL BE REMOVED TO A JOINT OR SAWCUT FOR A STRAIGHT EDGE AND CLEAN JOINT.
46. THE CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO THE CITY FOR APPROVAL A MINIMUM OF TEN (10) CALENDAR DAYS PRIOR TO IMPLEMENTING ANY PROPOSED MEASURE AND COORDINATION WITH IMPACTED RESIDENTS AND/OR PROPERTY OWNERS (OR OWNER REPRESENTATIVES) MAY BE REQUIRED OF THE CONTRACTOR AS PART OF THE MAINTENANCE OF TRAFFIC PLAN. THE CONTRACTOR SHALL PROVIDE CONTINUED MAINTENANCE OF TRAFFIC TO PUBLIC/PRIVATE PROPERTY IN A SAFE AND FEASIBLE MANNER IN AREAS IMPACTED BY THE PROJECT CONSTRUCTION UNTIL ALL SUCH ACCESS CAN BE RESTORED PERMANENTLY. ANY DEVIATIONS FROM THE MAINTENANCE OF TRAFFIC PLAN PROVIDED PER THE PLANS SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. ALL COST FOR MAINTENANCE OF TRAFFIC PLANS AND MEASURES SHALL BE COVERED/INCLUDED IN THE CONTRACTOR'S BID.
47. THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, AND GUARDS DURING PROGRESS OF CONSTRUCTION WORK AND UNTIL IT IS SAFE FOR BOTH PEDESTRIAN AND VEHICULAR TRAFFIC.
48. THE CONTRACTOR SHALL NOT BLOCK OR OBSTRUCT ANY LANES, ROADS, OR DRIVES WITHOUT FIRST RECEIVING PERMISSION FROM THE CITY OF FORT WALTON BEACH TO DO SO. FULL CLOSURE (BOTH LANES) OF SINGLE BLOCKS MAY BE APPROVED BY THE CITY PROVIDED RESIDENT ACCESS CAN BE MAINTAINED.
49. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS SEWER, DRAINS, WATER OR GAS PIPES, ELECTRICAL, CONDUITS, POLES, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED UNLESS NOTED ON PLANS.
50. CONTRACTOR SHALL CLEANUP ENTIRE SITE INCLUDING STAGING AREAS AT LEAST TWO TIMES PER WEEK. THIS SHALL INCLUDE LOCATING TRASH/SCRAP RECEPTACLES AT APPROPRIATE LOCATIONS AROUND THE SITE. CONTRACTOR SHALL PICK UP ALL ROCKS, METAL, PIPE, NAILS, NUTS, BOLTS, BOARDS, PAPER, TRASH, ETC AT LEAST TWICE A WEEK AT NO ADDITIONAL COST TO THE CITY.
51. CONTRACTOR SHALL RESTORE ALL STAGING AREAS TO AS GOOD AS OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION. THIS INCLUDES IRRIGATION AND SOD REPLACEMENT IF NECESSARY. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 20 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE.
52. ANY STEEP SLOPES RECEIVING PIPE OR STRUCTURE INSTALLATION WILL BE BACK FILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
53. ANY AREAS USED FOR FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.) SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
54. ALL ITEMS OF PRIVATE PROPERTY LOCATED WITHIN THE CITY R/W SHALL BE PROTECTED AND/OR RELOCATED TO THE CITY'S SATISFACTION AS PART OF THE PROJECT. SUCH ITEMS SHALL INCLUDE, BUT NOT BE LIMITED TO, IRRIGATION SYSTEMS, DRIVEWAYS, MAIL BOXES, SIGNS, LANDSCAPE, PLANTER BEDS/BOXES, YARD DRAINS, ETC., AND SHALL BE COORDINATED AND ADDRESSED IN A TIMELY AND PROFESSIONAL MANNER. ITEMS REQUIRING REPLACEMENT SHALL BE OF EQUAL OR BETTER QUALITY.
55. THE LOCATION OF THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAY-DOWN AREA SHALL BE APPROVED BY THE CITY PRIOR TO SECURING SUCH ARRANGEMENTS, AS DIRECTLY RELATED TO THE PROJECT. THE LAY-DOWN AREA SHALL BE COMPLETELY SECURED UTILIZING TEMPORARY 6' CHAIN-LINK CONSTRUCTION FENCING WITH LOCKED GATES AND PROPER EROSION CONTROL BARRIER, AS NECESSARY, AND SHALL BE KEPT IN A NEAT AND UNIFORM MANNER AT ALL TIMES, AS DETERMINED BY THE CITY. ONLY MATERIALS AND EQUIPMENT DIRECTLY REQUIRED TO FACILITATE THE CURRENT PROGRESS OF THE PROJECT CONSTRUCTION SHALL BE STORED IN THE LAY-DOWN AREA AT ANY GIVEN TIME AND ALL OTHER MATERIALS AND EQUIPMENT SHALL BE IMMEDIATELY REMOVED AT THE REQUEST OF THE CITY.
56. THE CONTRACTOR'S PROPOSED SCHEDULE OF WORK FOR BOTH STANDARD (M-F, 7AM-4PM) AND NON-STANDARD HOURS SHALL BE REVIEWED AND APPROVED BY THE CITY AND SUBMITTED FOR REVIEW IN WRITING A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO COMMENCEMENT OF THE PROPOSED WORK. THE CITY RESERVES THE RIGHT TO DENY WORK ON ANY PROPOSED DAY IF CERTAIN PUBLIC EVENTS, ENVIRONMENTAL CONDITIONS, NEIGHBORHOOD CIRCUMSTANCES, ETC., REQUIRE SUCH ACTION. THE CONTRACTOR SHALL ACKNOWLEDGE ULTIMATE RESPONSIBILITY OF THE JOB SITE DURING CONSTRUCTION (24 HRS/DAY) FOR THE ENTIRE DURATION OF THE PROJECT, REGARDLESS OF APPROVED WORK SCHEDULES AND HOURS OF OPERATION.
57. THE CONTRACTOR SHALL SUBMIT A POST-CONSTRUCTION CERTIFICATION AND REPRODUCIBLE RECORD DRAWINGS TO THE CITY PRIOR TO INSPECTION AND ACCEPTANCE. THE RECORD DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A FLORIDA PROFESSIONAL SURVEYOR. ALL SANITARY LATERALS THAT ARE TO REMAIN IN SERVICE FOLLOWING CONSTRUCTION OF THE STORM SYSTEM SHALL BE REPLACED WITH LIKE SIZE PVC SANITARY SEWER LATERALS. TO THE R.O.W. LINE, CONTRACTOR SHALL COORDINATE WHICH LATERALS ARE TO REMAIN WITH THE ENGINEER AND THE CITY OF FORT WALTON BEACH AS THEY ARE UNCOVERED. LATERALS THAT WILL NOT REMAIN IN SERVICE ARE TO BE REMOVED AND PLUGGED AT THE R.O.W. LINE AND SEWER MAIN (IF REQUIRED).
58. PRIOR TO INITIATING CONSTRUCTION, CONTRACTOR SHALL DOCUMENT THE CONDITION OF EXISTING IMPROVEMENTS IN AND ADJACENT TO THE RIGHT OF WAY ALONG ALL STREETS WHERE CONSTRUCTION WILL OCCUR WITH HIGH RESOLUTION VIDEO AND STILL PHOTOGRAPHY IN A MANNER SUFFICIENT TO ASCERTAIN THE CURRENT CONDITION AND CONSTRUCTION OF THE IMPROVEMENTS. IMPROVEMENTS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO CURBS, DRIVEWAYS, MAIL BOXES, PLANTERS, FENCES, LANDSCAPING, DECORATIONS, ETC. CONTRACTOR SHALL PROVIDE THE

- VIDEO AND STILL PHOTOGRAPHY TO THE CITY PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
59. UNLESS OTHERWISE APPROVED BY THE CITY, CONTRACTOR SHALL RESTORE, REPAIR, OR REPLACE ALL IMPROVEMENTS THAT ARE DAMAGED OR REMOVED BY CONTRACTOR WITH LIKE OR BETTER MATERIALS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
 60. CONTRACTOR SHALL PROTECT AND/OR REPLACE ALL MARKINGS AND SIGNAGE REMOVED UNLESS OTHERWISE APPROVED BY THE CITY. ALL REPLACED AND NEW SIGNAGE AND MARKINGS SHALL BE IN ACCORDANCE WITH CURRENT FDOT AND MUTCD STANDARDS.
- SPECIAL NOTES:**
1. VERTICAL SHORING CAN BE ANTICIPATED FOR THE INSTALLATION OF SOME PROJECT COMPONENTS. IF REQUIRED THE CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH THE PROPOSED METHOD OF SHORING/PROTECTION FOR REVIEW AND APPROVAL.
 2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY POLE BRACING OR RELOCATION AS REQUIRED. CONTRACTOR'S BID SHALL REFLECT ANY COST(S) FOR SUCH. (TYP. ENTIRE PROJECT).
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ADEQUATE AND PROPER BY-PASSES FOR STORMWATER AND SANITARY SEWER AND PROPOSED METHODS SHALL BE APPROVED BY THE CITY OF FORT WALTON BEACH.


PAY ITEM NOTES:

1. CONTRACTOR IS TO INCLUDE ANY COSTS FOR TEMPORARY MEASURES AND SUPPORT TO ACCESS SITE IN THE COST FOR MOBILIZATION IN HIS BID. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING FACILITIES TO THE SATISFACTION OF THE CITY AT NO ADDITIONAL COST.
 2. COST FOR ALL VERTICAL SHORING/PROTECTION MEASURES, DEWATERING, AND BACKFILL SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEM.
 3. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST FOR SELECT BACKFILL FOR PIPE OR STRUCTURE INSTALLATION WITH THE COST OF THE ASSOCIATED PIPE OR STRUCTURE.
 4. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS REQUIRED FOR THE INSTALLATION OF STRUCTURES IN THE COST FOR STRUCTURES.
 5. CONTRACTOR IS TO INCLUDE COST OF WATER FOR PLANT ESTABLISHMENT AND MAINTENANCE OF SODDING AND GRASSING IN THE UNIT PRICE FOR SODDING.
 6. COST FOR ANY IMPORTED TOPSOIL OR AMENDMENTS TO EXISTING TOPSOIL ON SITE SHALL BE INCLUDED IN THE COST FOR SODDING/LANDSCAPING.
 7. COST OF AS-BUILT SURVEY SHALL BE INCLUDED IN THE COST FOR MOBILIZATION.
 8. COST FOR SAWCUT, REMOVAL, AND DISPOSAL OF CONCRETE AND ASPHALT PAVEMENT SHALL BE INCLUDED IN THE COST FOR CLEARING AND GRUBBING.
 9. UTILITY ALLOWANCE PAY ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, SUPERVISION, AND COORDINATION NECESSARY TO COMPLETE UTILITY PROTECTION, RELOCATION, REPAIR AND/OR REMOVAL FOR ALL UTILITIES WITHIN THE PROJECT LIMITS.
- UTILITY NOTES:**
1. CONTRACTOR SHALL COORDINATE WITH GULF POWER, CENTURYLINK, AND COX SOUTHEAST FOR THE RELOCATION OF UTILITY POLES IDENTIFIED IN THESE PLANS. NO ADDITIONAL DAYS WILL BE ADDED TO THE CONTRACT FOR THE RELOCATION OF POLES.
 2. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION BY CALLING SUNSHINE STATE ONE CALL 811 OR 800-432-7440 SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES.

UTILITY OWNERS COMPANY	CONTACT PERSON	CONTACT NUMBER	EMAIL ADDRESS
AT&T	STEVE HAMER	813-888-8300	SHAMER@SDT-1.COM
AT&T FLORIDA	STEVE KENNINGTON	850-623-3811	SK1674@ATT.COM
CENTURYLINK	BOBBY WIEDEMAN	850-664-3446	BOBBY.WIEDEMAN@CENTURYLINK.COM
CITY OF FWB	DANIEL PAYNE	850-833-9613	DPAYNE@FWB.ORG
COX SOUTHEAST	ROGER DIXON	850-314-8163	ROGER.DIXON@COX.COM
GULF POWER	CHAD SWAILS	850-429-2446	CESSWAILS@SOUTHERNCO.COM
OKALOOSA GAS DISTRICT	ESSA RHEBI	850-729-4870	ESSARHEBI@OKALOOSAGAS.COM
SOUTHERN LIGHT	ANDRU BRAMBLETT	251-662-1170	ABRAMBLETT@SLFIBER.COM

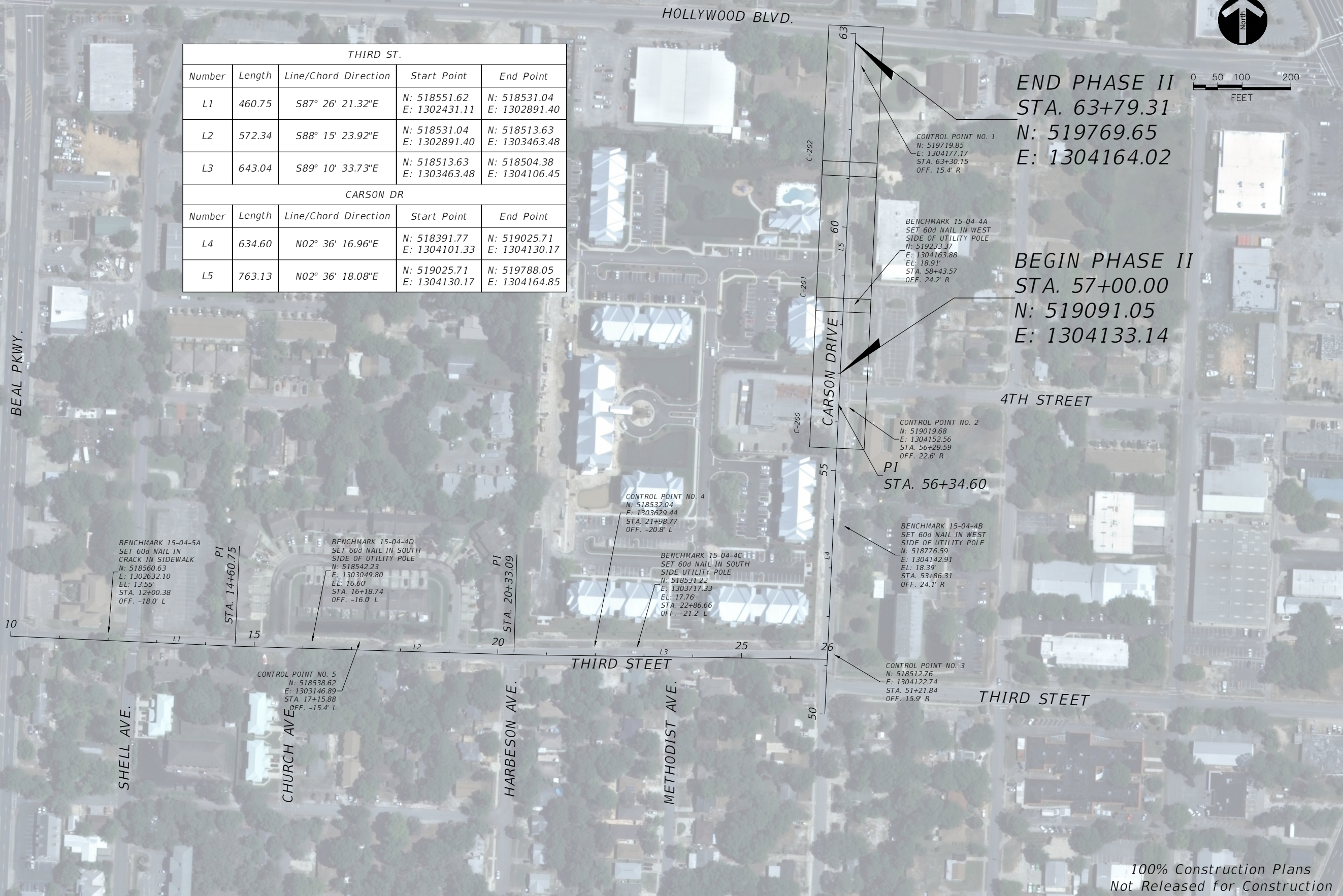
100% Construction Plans
Not Released for Construction

**GENERAL NOTES
PHASE II**

REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN, P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24				SHEET NO. G-002
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
					Carson	OKALOOSA	100044431	



THIRD ST.				
Number	Length	Line/Chord Direction	Start Point	End Point
L1	460.75	S87° 26' 21.32"E	N: 518551.62 E: 1302431.11	N: 518531.04 E: 1302891.40
L2	572.34	S88° 15' 23.92"E	N: 518531.04 E: 1302891.40	N: 518513.63 E: 1303463.48
L3	643.04	S89° 10' 33.73"E	N: 518513.63 E: 1303463.48	N: 518504.38 E: 1304106.45
CARSON DR				
Number	Length	Line/Chord Direction	Start Point	End Point
L4	634.60	N02° 36' 16.96"E	N: 518391.77 E: 1304101.33	N: 519025.71 E: 1304130.17
L5	763.13	N02° 36' 18.08"E	N: 519025.71 E: 1304130.17	N: 519788.05 E: 1304164.85



100% Construction Plans
Not Released for Construction

REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN, P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			PROJECT LAYOUT PHASE II	SHEET NO. C-010
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					Carson	OKALOOSA	100044431		

Burke, James P

4/11/2017
8:17:16 PM

T:\City of FWB\Carson Street Streetscape\DWGS\Plan Sheets\C-010 Overall Site Plan.dwg

BEAL PARKWAY
(75' RIGHT-OF-WAY)

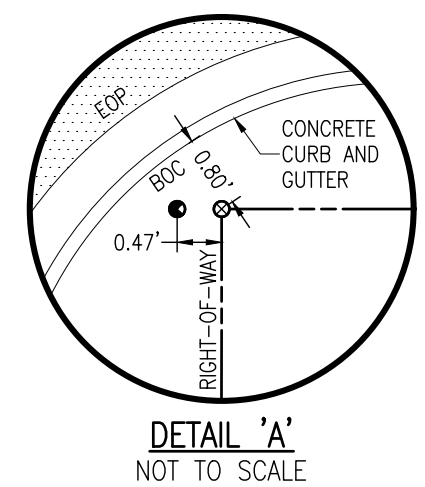
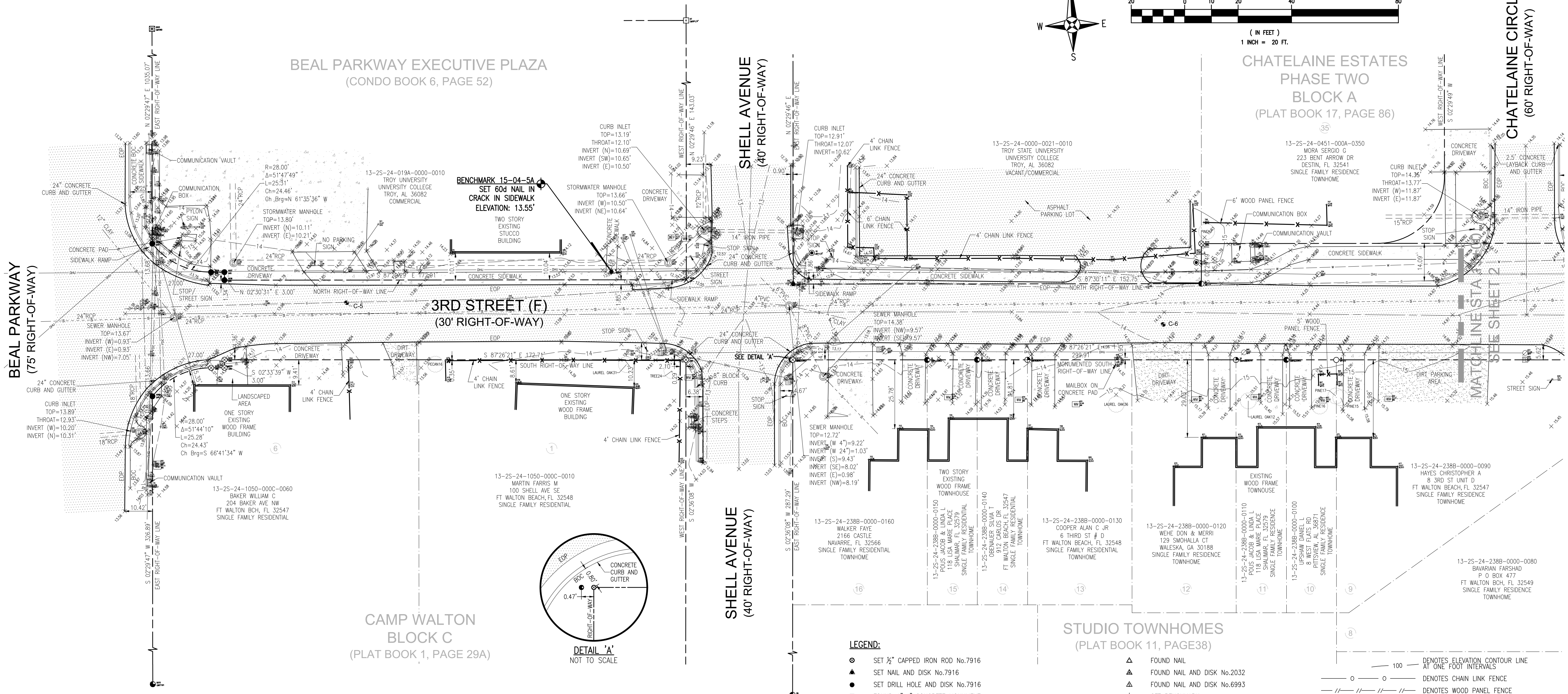
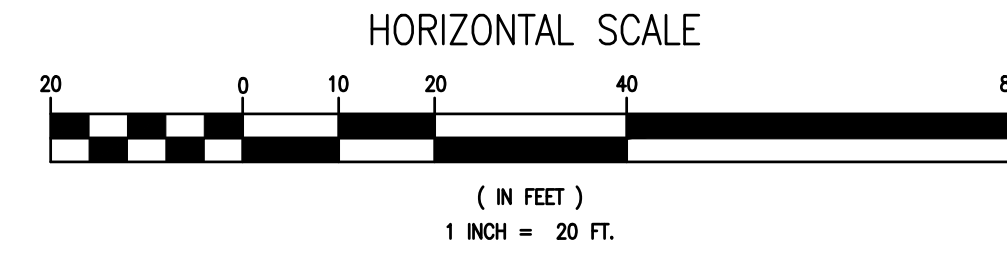
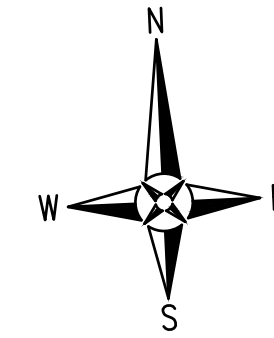
BEAL PARKWAY EXECUTIVE PLAZA
(CONDO BOOK 6, PAGE 52)

SHELL AVENUE
(40' RIGHT-OF-WAY)

3RD STREET (F)
(30' RIGHT-OF-WAY)

CHATELAINE ESTATES
PHASE TWO
BLOCK A
(PLAT BOOK 17, PAGE 86)

CHATELAINE CIRCLE
(60' RIGHT-OF-WAY)



GENERAL NOTES:

- 1. NORTH AND THE SURVEY DATUM SHOWN HEREON IS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA NORTH ZONE, NORTH AMERICAN DATUM OF 1988 (NAD88) AND WAS DERIVED UTILIZING A GLOBAL POSITIONING SYSTEM (GPS) TOPCON HIPER II GEODETIC DUAL FREQUENCY RECEIVER...
2. ELEVATIONS AS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE REFERENCED TO THE CITY OF FORT WALTON BEACH ENGINEERING DEPARTMENT VERTICAL CONTROL NETWORK...

- 3. MEASUREMENTS AS SHOWN HEREON WERE MADE TO UNITED STATES STANDARDS AND ARE EXPRESSED IN DECIMAL OF FEET.
4. VISIBLE UTILITIES WITHIN THE TOPOGRAPHIC LIMITS ARE AS SHOWN HEREON. SUBSURFACE UTILITY LINES WERE LOCATED AND ARE SHOWN AS PER THE RESPECTIVE UTILITY COMPANYS SPOTTING (PAINTED SPOTS AND FLAGGED LINES)...
5. STRUCTURE DIMENSIONS DO NOT INCLUDE THE EAVE OVERHANG OR FOUNDATION FOOTINGS.
6. VISIBLE IMPROVEMENTS WITHIN THE SURVEY LIMITS ARE AS SHOWN HEREON.

LEGEND:

- SET 1/2" CAPPED IRON ROD No.7916
SET NAIL AND DISK No.7916
SET DRILL HOLE AND DISK No.7916
FOUND 4"x4" CONCRETE MONUMENT
FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.1787
FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7798
FOUND 5"x5" CONCRETE MONUMENT
FOUND 4"x4" CONCRETE MONUMENT No.SRD
FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7707
FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.3420
FOUND 3/8" IRON ROD (UNNUMBERED)
FOUND 1/2" IRON ROD (UNNUMBERED)
FOUND 3/4" IRON ROD (UNNUMBERED)
FOUND 1" IRON PIPE (UNNUMBERED)
FOUND 2" IRON PIPE (UNNUMBERED)
FOUND 1/2" CAPPED IRON ROD No.1592A
FOUND 1/2" CAPPED IRON ROD No.2032
FOUND 1/2" CAPPED IRON ROD No.2355
FOUND 1/2" CAPPED IRON ROD No.4450
FOUND 1/2" CAPPED IRON ROD No.7191
FOUND 1/2" CAPPED IRON ROD No.7584
FOUND 1/2" CAPPED IRON ROD (ILLEGIBLE)
FOUND 1/2" CAPPED IRON ROD No.5791
FOUND 1/2" CAPPED IRON ROD No.6550
FOUND 1/4" IRON ROD (UNNUMBERED)

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17.050, 5J-17.051 AND 5J-17.052 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY: MARK A. NORRIS

DATE

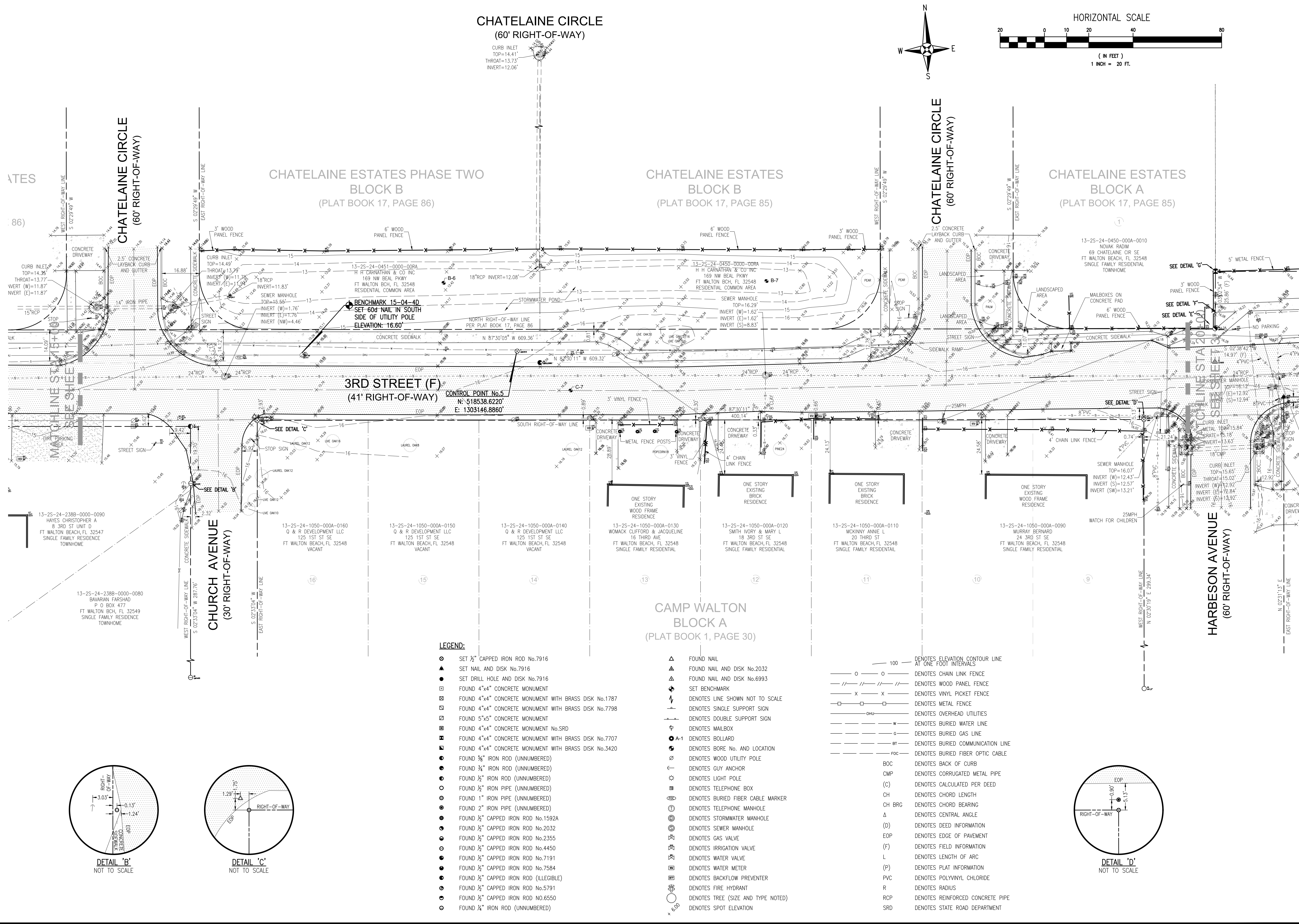
RBA REBOL-BATTLE & ASSOCIATES Civil Engineers and Surveyors 2301 N. Ninth Avenue, Suite 500 Pensacola, Florida 32503 Telephone 850.438.0400 Fax 850.438.0448 ES 00006657 LB 7916

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

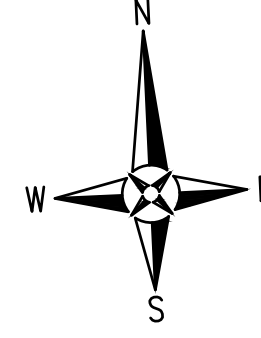
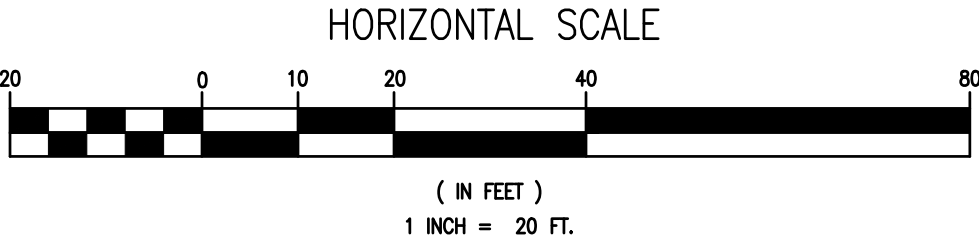
CARSON DRIVE AND 3RD STREET FORT WALTON BEACH, FLORIDA A PORTION OF TOWNSHIP 2 SOUTH RANGE 24 WEST COUNTY: OKALOOSA STATE: FLORIDA

Table with columns: NO., DATE, APPR., REVISION/ACTION TAKEN

TOPOGRAPHIC SURVEY PROJECT NO: 2014.186 DRAWN BY: CBD CHKD BY: MAN SCALE: 1" = 20' F.B.: 15-04 PG.: 1-16 DATE: 4-6-2015 PREPARED FOR: ATKINS MR. KEVIN MORGAN, P.E. REQUESTED BY:



CHATELAINE CIRCLE
(60' RIGHT-OF-WAY)



CHATELAINE CIRCLE
(60' RIGHT-OF-WAY)

CHATELAINE ESTATES PHASE TWO
BLOCK B
(PLAT BOOK 17, PAGE 86)

CHATELAINE ESTATES
BLOCK B
(PLAT BOOK 17, PAGE 85)

CHATELAINE ESTATES
BLOCK A
(PLAT BOOK 17, PAGE 85)

3RD STREET (F)
(41' RIGHT-OF-WAY)

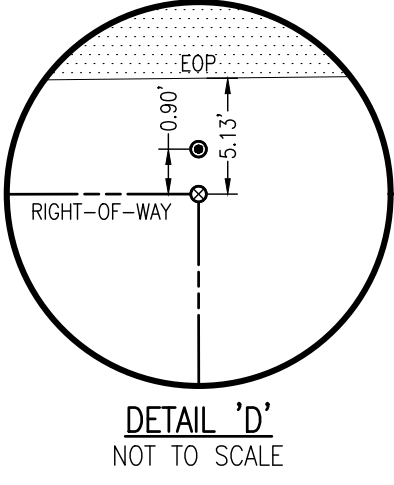
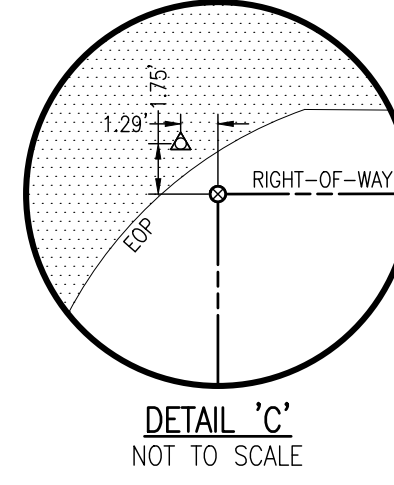
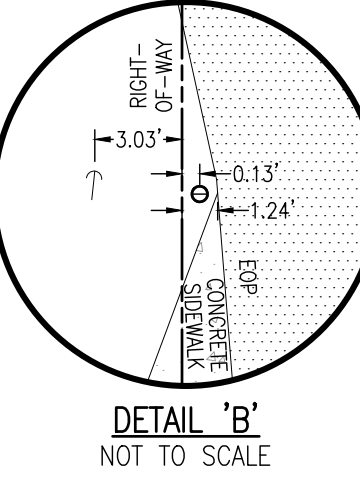
CHURCH AVENUE
(30' RIGHT-OF-WAY)

CAMP WALTON
BLOCK A
(PLAT BOOK 1, PAGE 30)

HARBESON AVENUE
(60' RIGHT-OF-WAY)

LEGEND:

- SET 1/2" CAPPED IRON ROD No.7916
- ▲ SET NAIL AND DISK No.7916
- SET DRILL HOLE AND DISK No.7916
- FOUND 4"x4" CONCRETE MONUMENT
- ▣ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.1787
- ▤ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7798
- ▥ FOUND 5"x5" CONCRETE MONUMENT
- ▦ FOUND 4"x4" CONCRETE MONUMENT No.SRD
- ▧ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7707
- ▨ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.3420
- FOUND 3/4" IRON ROD (UNNUMBERED)
- FOUND 1/2" IRON ROD (UNNUMBERED)
- FOUND 1/2" IRON PIPE (UNNUMBERED)
- FOUND 1" IRON PIPE (UNNUMBERED)
- FOUND 2" IRON PIPE (UNNUMBERED)
- FOUND 1/2" CAPPED IRON ROD No.1592A
- FOUND 1/2" CAPPED IRON ROD No.2032
- FOUND 1/2" CAPPED IRON ROD No.2355
- FOUND 1/2" CAPPED IRON ROD No.4450
- FOUND 1/2" CAPPED IRON ROD No.7191
- FOUND 1/2" CAPPED IRON ROD No.7584
- FOUND 1/2" CAPPED IRON ROD (ILLEGIBLE)
- FOUND 1/2" CAPPED IRON ROD No.5791
- FOUND 1/2" CAPPED IRON ROD No.6550
- FOUND 1/2" IRON ROD (UNNUMBERED)
- ▲ FOUND NAIL
- ▲ FOUND NAIL AND DISK No.2032
- ▲ FOUND NAIL AND DISK No.6993
- SET BENCHMARK
- LINE SHOWN NOT TO SCALE
- DENOTES SINGLE SUPPORT SIGN
- DENOTES DOUBLE SUPPORT SIGN
- ☐ DENOTES MAILBOX
- A-1 DENOTES BOLLARD
- DENOTES BORE No. AND LOCATION
- DENOTES WOOD UTILITY POLE
- DENOTES GUY ANCHOR
- DENOTES LIGHT POLE
- DENOTES TELEPHONE BOX
- DENOTES BURIED FIBER CABLE MARKER
- DENOTES TELEPHONE MANHOLE
- DENOTES STORMWATER MANHOLE
- DENOTES SEWER MANHOLE
- DENOTES GAS VALVE
- DENOTES IRRIGATION VALVE
- DENOTES WATER VALVE
- DENOTES WATER METER
- DENOTES BACKFLOW PREVENTER
- DENOTES FIRE HYDRANT
- DENOTES TREE (SIZE AND TYPE NOTED)
- DENOTES SPOT ELEVATION
- 100 DENOTES ELEVATION CONTOUR LINE AT ONE FOOT INTERVALS
- 0 DENOTES CHAIN LINK FENCE
- // // // DENOTES WOOD PANEL FENCE
- x x x DENOTES VINYL PICKET FENCE
- — — DENOTES METAL FENCE
- — — DENOTES OVERHEAD UTILITIES
- — — DENOTES BURIED WATER LINE
- — — DENOTES BURIED GAS LINE
- — — DENOTES BURIED COMMUNICATION LINE
- — — DENOTES BURIED FIBER OPTIC CABLE
- BOC DENOTES BACK OF CURB
- CMP DENOTES CORRUGATED METAL PIPE
- (C) DENOTES CALCULATED PER DEED
- CH DENOTES CHORD LENGTH
- CH BRG DENOTES CHORD BEARING
- Δ DENOTES CENTRAL ANGLE
- (D) DENOTES DEED INFORMATION
- EOP DENOTES EDGE OF PAVEMENT
- (F) DENOTES FIELD INFORMATION
- L DENOTES LENGTH OF ARC
- (P) DENOTES PLAT INFORMATION
- PVC DENOTES POLYVINYL CHLORIDE
- R DENOTES RADIUS
- RCP DENOTES REINFORCED CONCRETE PIPE
- SRD DENOTES STATE ROAD DEPARTMENT



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ES 0009657 LD 7916

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CARSON DRIVE AND 3RD STREET
FORT WALTON BEACH, FLORIDA
A PORTION OF
SECTION 13 TOWNSHIP 2 SOUTH RANGE 24 WEST
COUNTY OKALOOSA STATE: FLORIDA

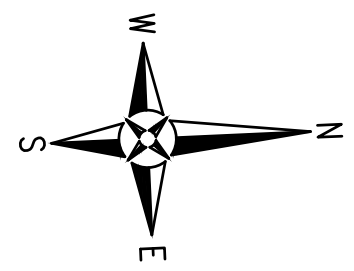
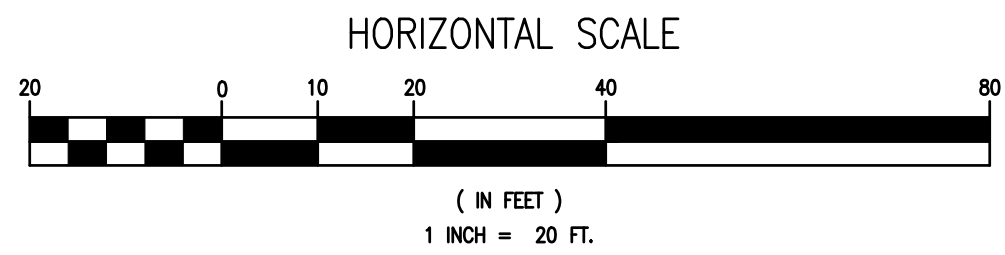
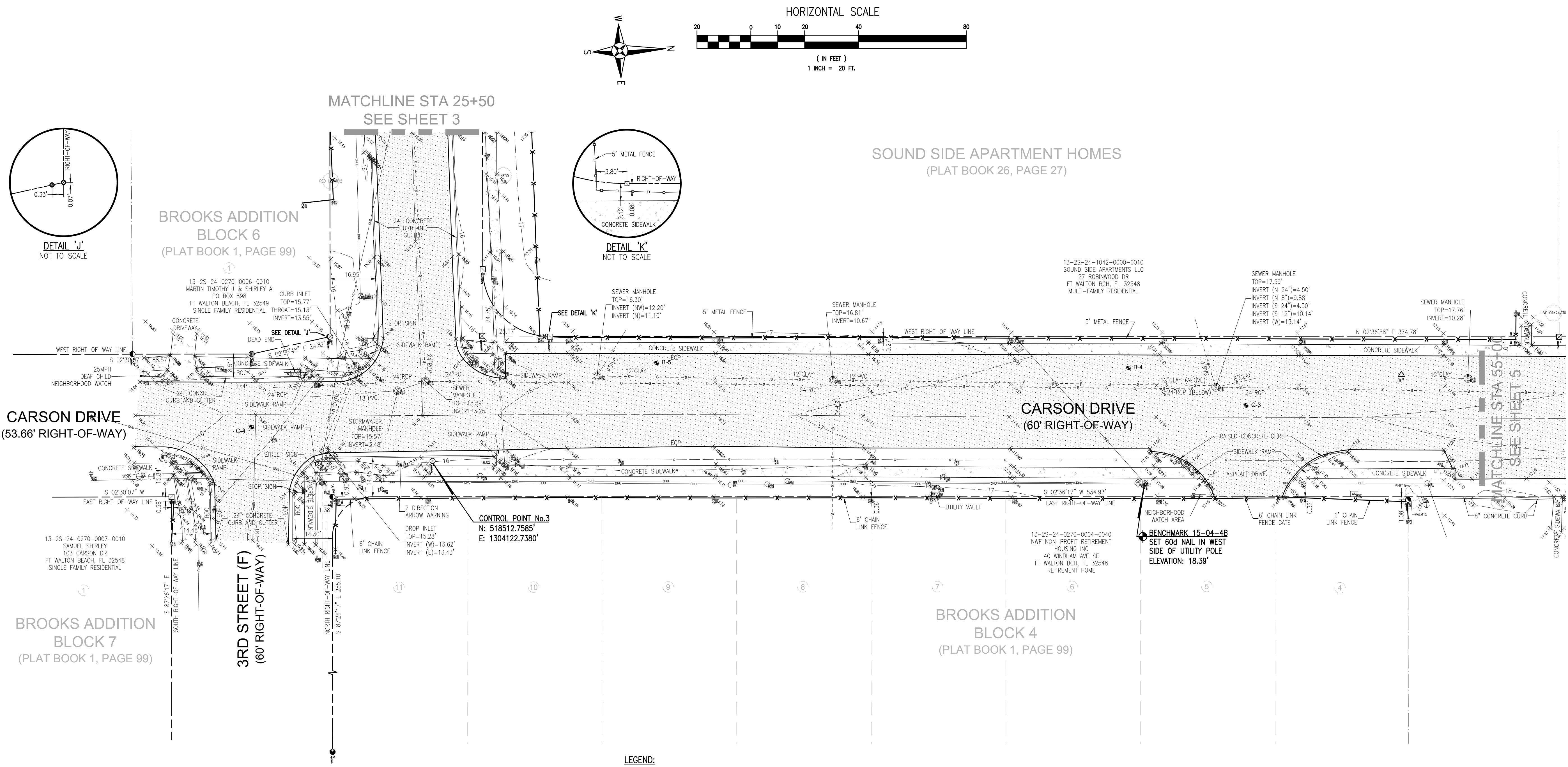
NO.	DATE	APPR.	REVISION/ACTION TAKEN

PROJECT NO:	2014.186
DRAWN BY:	GBD
CHKD BY:	MAN
SCALE:	1" = 20'
F.B.:	15-04
PG.:	1-16
DATE:	4-6-2015

TOPOGRAPHIC SURVEY
PREPARED FOR: ADKINS
REQUESTED BY: MR. KEVIN MORGAN, P.E.

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T:\CITY OF FWB\CARSON STREET STREETS\CAPEIDWGS\KATKINS FT WALTON BEACH SURVEY - PHASE II.DWG



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ORIGINAL RAISED SEAL
OF A FLORIDA LICENSED
SURVEYOR AND MAPPER

**CARSON DRIVE AND
3RD STREET**
FORT WALTON BEACH, FLORIDA

A PORTION OF
SECTION 13 TOWNSHIP 2 SOUTH
COUNTY OKALOOSA RANGE 24 WEST
STATE: FLORIDA

NO.	DATE	APPR.	REVISION/ACTION TAKEN

PROJECT NO.: 2014.186
DRAWN BY: CBD
CHKD BY: MAN
SCALE: 1" = 20'
F.B.: 15-04
P.G.: 1-16
DATE: 4-6-2015

TOPOGRAPHIC SURVEY

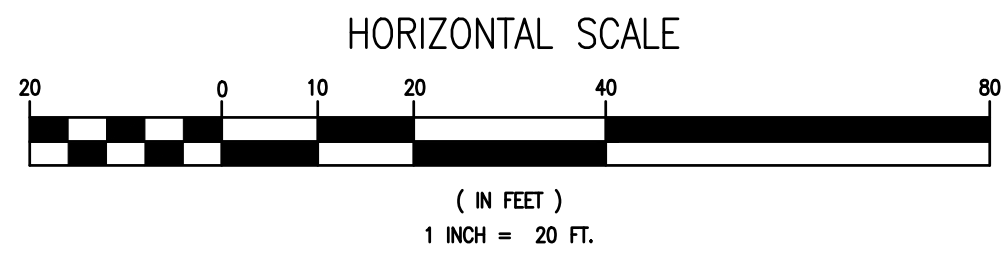
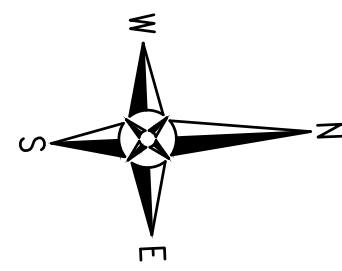
PREPARED FOR: ADKINS
REQUESTED BY: MR. KEVIN MORGAN, P.E.

LEGEND:

- SET ½" CAPPED IRON ROD No.7916
- ▲ SET NAIL AND DISK No.7916
- SET DRILL HOLE AND DISK No.7916
- FOUND 4"x4" CONCRETE MONUMENT
- ▣ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.1787
- ▤ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7798
- ▥ FOUND 5"x5" CONCRETE MONUMENT
- ▦ FOUND 4"x4" CONCRETE MONUMENT No.SRD
- ▧ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7707
- ▨ FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.3420
- FOUND ¾" IRON ROD (UNNUMBERED)
- FOUND ¾" IRON ROD (UNNUMBERED)
- FOUND ½" IRON ROD (UNNUMBERED)
- FOUND ½" IRON PIPE (UNNUMBERED)
- FOUND 1" IRON PIPE (UNNUMBERED)
- FOUND 2" IRON PIPE (UNNUMBERED)
- FOUND ½" CAPPED IRON ROD No.1592A
- FOUND ½" CAPPED IRON ROD No.2032
- FOUND ½" CAPPED IRON ROD No.2355
- FOUND ½" CAPPED IRON ROD No.4450
- FOUND ½" CAPPED IRON ROD No.7191
- FOUND ½" CAPPED IRON ROD No.7584
- FOUND ½" CAPPED IRON ROD (ILLEGIBLE)
- FOUND ½" CAPPED IRON ROD No.5791
- FOUND ½" CAPPED IRON ROD No.6550
- FOUND ¼" IRON ROD (UNNUMBERED)
- △ FOUND NAIL
- ▲ FOUND NAIL AND DISK No.2032
- FOUND NAIL AND DISK No.6993
- ⊕ SET BENCHMARK
- DENOTES LINE SHOWN NOT TO SCALE
- DENOTES SINGLE SUPPORT SIGN
- DENOTES DOUBLE SUPPORT SIGN
- ☐ DENOTES MAILBOX
- A-1 DENOTES BOLLARD
- DENOTES BORE No. AND LOCATION
- DENOTES WOOD UTILITY POLE
- ⊖ DENOTES GUY ANCHOR
- ⊕ DENOTES LIGHT POLE
- ☎ DENOTES TELEPHONE BOX
- ⊖ DENOTES BURIED FIBER CABLE MARKER
- ⊕ DENOTES TELEPHONE MANHOLE
- ⊕ DENOTES STORMWATER MANHOLE
- ⊕ DENOTES SEWER MANHOLE
- ⊕ DENOTES GAS VALVE
- ⊕ DENOTES IRRIGATION VALVE
- ⊕ DENOTES WATER VALVE
- ⊕ DENOTES WATER METER
- ⊕ DENOTES BACKFLOW PREVENTER
- ⊕ DENOTES FIRE HYDRANT
- DENOTES TREE (SIZE AND TYPE NOTED)
- DENOTES SPOT ELEVATION
- 100 DENOTES ELEVATION CONTOUR LINE AT ONE FOOT INTERVALS
- ○ — ○ — DENOTES CHAIN LINK FENCE
- // // // // // DENOTES WOOD PANEL FENCE
- X — X — X — X — X — DENOTES VINYL PICKET FENCE
- □ — □ — □ — □ — □ — DENOTES METAL FENCE
- OHU — DENOTES OVERHEAD UTILITIES
- w — DENOTES BURIED WATER LINE
- g — DENOTES BURIED GAS LINE
- BT — DENOTES BURIED COMMUNICATION LINE
- FOC — DENOTES BURIED FIBER OPTIC CABLE
- BOC DENOTES BACK OF CURB
- CMP DENOTES CORRUGATED METAL PIPE
- (C) DENOTES CALCULATED PER DEED
- CH DENOTES CHORD LENGTH
- CH BRG DENOTES CHORD BEARING
- Δ DENOTES CENTRAL ANGLE
- (D) DENOTES DEED INFORMATION
- EOP DENOTES EDGE OF PAVEMENT
- (F) DENOTES FIELD INFORMATION
- L DENOTES LENGTH OF ARC
- (P) DENOTES PLAT INFORMATION
- PVC DENOTES POLYVINYL CHLORIDE
- R DENOTES RADIUS
- RCP DENOTES REINFORCED CONCRETE PIPE
- SRD DENOTES STATE ROAD DEPARTMENT

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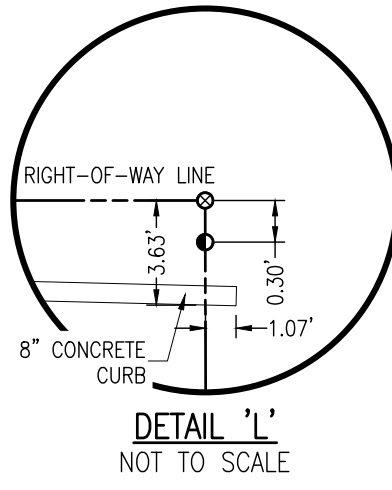
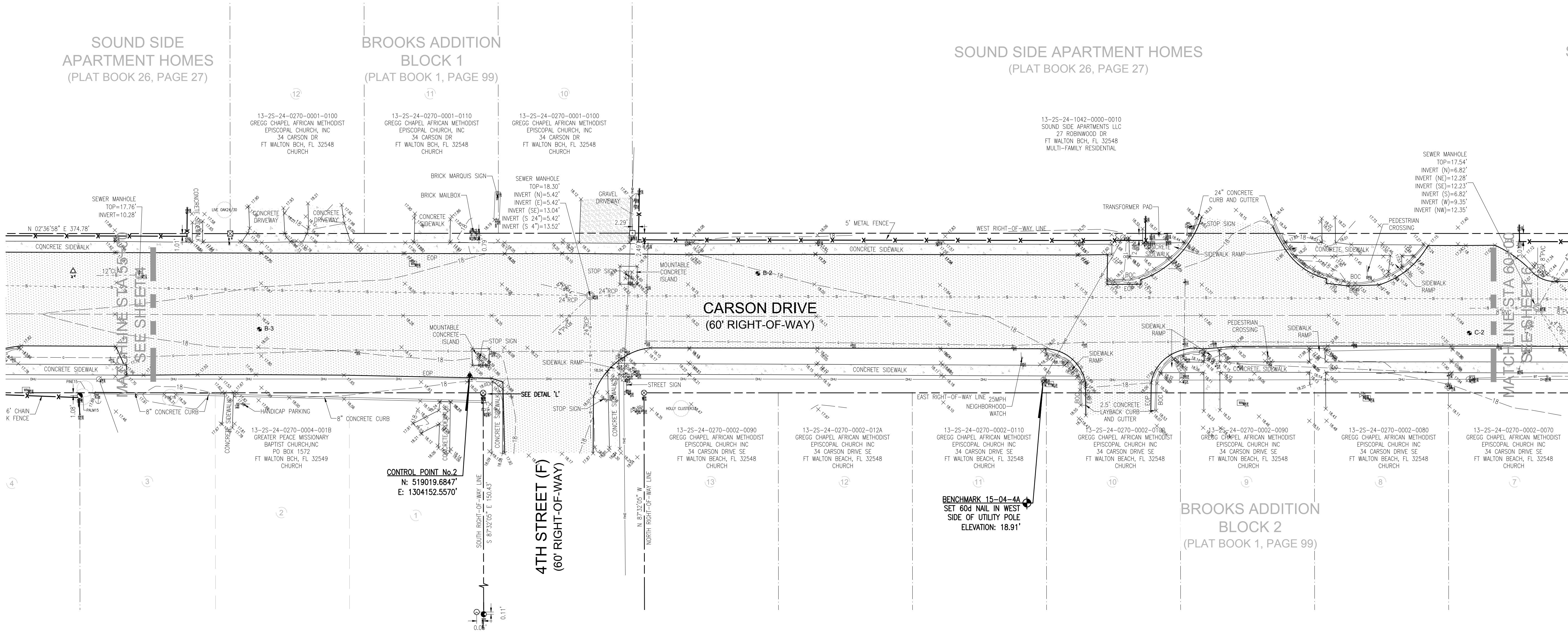
T:\CITY OF FWB\CARSON STREET STREETS\CAPELWGSXREFS\ATKINS FT WALTON BEACH SURVEY - PHASE_II.DWG



SOUND SIDE APARTMENT HOMES
(PLAT BOOK 26, PAGE 27)

BROOKS ADDITION
BLOCK 1
(PLAT BOOK 1, PAGE 99)

SOUND SIDE APARTMENT HOMES
(PLAT BOOK 26, PAGE 27)



LEGEND:

- SET 1/2" CAPPED IRON ROD No.7916
- ▲ SET NAIL AND DISK No.7916
- SET DRILL HOLE AND DISK No.7916
- FOUND 4"x4" CONCRETE MONUMENT
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.1787
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7798
- FOUND 5"x5" CONCRETE MONUMENT
- FOUND 4"x4" CONCRETE MONUMENT No.SRD
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7707
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.3420
- FOUND 3/8" IRON ROD (UNNUMBERED)
- FOUND 1/2" IRON ROD (UNNUMBERED)
- FOUND 3/4" IRON ROD (UNNUMBERED)
- FOUND 1" IRON PIPE (UNNUMBERED)
- FOUND 2" IRON PIPE (UNNUMBERED)
- FOUND 1/2" CAPPED IRON ROD No.15924
- FOUND 1/2" CAPPED IRON ROD No.2032
- FOUND 1/2" CAPPED IRON ROD No.2355
- FOUND 1/2" CAPPED IRON ROD No.4450
- FOUND 1/2" CAPPED IRON ROD No.7191
- FOUND 1/2" CAPPED IRON ROD No.7584
- FOUND 1/2" CAPPED IRON ROD (ILLEGIBLE)
- FOUND 1/2" CAPPED IRON ROD No.5791
- FOUND 1/2" CAPPED IRON ROD No.6550
- FOUND 1/4" IRON ROD (UNNUMBERED)
- ▲ FOUND NAIL
- ▲ FOUND NAIL AND DISK No.2032
- ▲ FOUND NAIL AND DISK No.6993
- SET BENCHMARK
- ▲ DENOTES LINE SHOWN NOT TO SCALE
- ▲ DENOTES SINGLE SUPPORT SIGN
- ▲ DENOTES DOUBLE SUPPORT SIGN
- DENOTES MAILBOX
- A-1 DENOTES BOLLARD
- DENOTES BORE No. AND LOCATION
- DENOTES WOOD UTILITY POLE
- DENOTES GUY ANCHOR
- DENOTES LIGHT POLE
- DENOTES TELEPHONE BOX
- DENOTES BURIED FIBER CABLE MARKER
- DENOTES TELEPHONE MANHOLE
- DENOTES STORMWATER MANHOLE
- DENOTES SEWER MANHOLE
- DENOTES GAS VALVE
- DENOTES IRRIGATION VALVE
- DENOTES WATER VALVE
- DENOTES WATER METER
- DENOTES BACKFLOW PREVENTER
- DENOTES FIRE HYDRANT
- DENOTES TREE (SIZE AND TYPE NOTED)
- DENOTES SPOT ELEVATION
- 100 — DENOTES ELEVATION CONTOUR LINE AT ONE FOOT INTERVALS
- o — o — DENOTES CHAIN LINK FENCE
- // // // // — DENOTES WOOD PANEL FENCE
- x — x — DENOTES VINYL PICKET FENCE
- □ — □ — DENOTES METAL FENCE
- OHU — DENOTES OVERHEAD UTILITIES
- w — DENOTES BURIED WATER LINE
- g — DENOTES BURIED GAS LINE
- BT — DENOTES BURIED COMMUNICATION LINE
- foc — DENOTES BURIED FIBER OPTIC CABLE
- BOC DENOTES BACK OF CURB
- CMP DENOTES CORRUGATED METAL PIPE
- (C) DENOTES CALCULATED PER DEED
- CH DENOTES CHORD LENGTH
- CH BRG DENOTES CHORD BEARING
- Δ DENOTES CENTRAL ANGLE
- (D) DENOTES DEED INFORMATION
- EOP DENOTES EDGE OF PAVEMENT
- (F) DENOTES FIELD INFORMATION
- L DENOTES LENGTH OF ARC
- (P) DENOTES PLAT INFORMATION
- PVC DENOTES POLYVINYL CHLORIDE
- R DENOTES RADIUS
- RCP DENOTES REINFORCED CONCRETE PIPE
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 Telephone 850.438.0400 Fax 850.438.0448
 ES 0009657 LS 7916

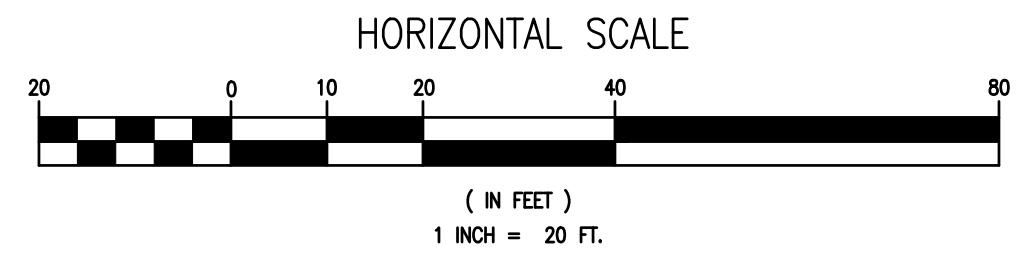
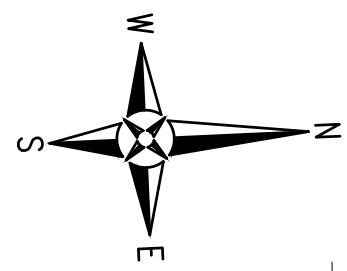
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

CARSON DRIVE AND 3RD STREET
FORT WALTON BEACH, FLORIDA
 A PORTION OF
 SECTION 13 TOWNSHIP 2 SOUTH RANGE 24 WEST
 COUNTY OKALOOSA STATE: FLORIDA

NO.	DATE	APPR.	REVISION/ACTION TAKEN

TOPOGRAPHIC SURVEY
 PROJECT NO: 2014.186
 DRAWN BY: CBD
 CHKD BY: MAN
 SCALE: 1" = 20'
 F.B.: 15-04
 PG.: 1-16
 DATE: 4-6-2015
 PREPARED FOR: ATKINS
 REQUESTED BY: MR. KEVIN MORGAN, P.E.

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SOUND SIDE APARTMENT HOMES
(PLAT BOOK 26, PAGE 27)

GERMANY ADDITION
(PLAT BOOK 1, PAGE 34)

13-25-24-1042-0000-0010
SOUND SIDE APARTMENTS LLC
27 ROBINWOOD DR
FT WALTON BCH, FL 32548
MULTI-FAMILY RESIDENTIAL

13-25-24-1040-0002-026B
WATERFRONT RESCUE MISSION
PO BOX 870
PENSACOLA, FL 32594
VACANT/COMMERCIAL

13-25-24-1040-0002-026A
WATERFRONT RESCUE MISSION, INC
PO BOX 870
PENSACOLA, FL 32594
CHURCH

SEWER MANHOLE
TOP=17.54'
INVERT (N)=6.82'
INVERT (NE)=12.28'
INVERT (SE)=12.23'
INVERT (S)=6.82'
INVERT (W)=9.35'
INVERT (NW)=12.35'

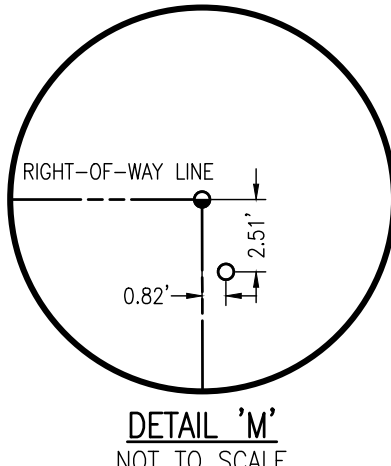
SEWER MANHOLE
TOP=15.93'
INVERT=7.80'

CARSON DRIVE
(51.16' RIGHT-OF-WAY)

HOLLYWOOD BOULEVARD (F)
(RIGHT-OF-WAY VARIES)

BROOKS ADDITION
BLOCK 2
(PLAT BOOK 1, PAGE 99)

CONTROL POINT No.1
N: 519719.8483'
E: 1304177.1740'



LEGEND:

- SET 1/2" CAPPED IRON ROD No.7916
- ▲ SET NAIL AND DISK No.7916
- SET DRILL HOLE AND DISK No.7916
- FOUND 4"x4" CONCRETE MONUMENT
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.1787
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7798
- FOUND 5"x5" CONCRETE MONUMENT
- FOUND 4"x4" CONCRETE MONUMENT No.SRD
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.7707
- FOUND 4"x4" CONCRETE MONUMENT WITH BRASS DISK No.3420
- FOUND 3/8" IRON ROD (UNNUMBERED)
- FOUND 3/4" IRON ROD (UNNUMBERED)
- FOUND 1/2" IRON ROD (UNNUMBERED)
- FOUND 1/2" IRON PIPE (UNNUMBERED)
- FOUND 1" IRON PIPE (UNNUMBERED)
- FOUND 2" IRON PIPE (UNNUMBERED)
- FOUND 1/2" CAPPED IRON ROD No.1592A
- FOUND 1/2" CAPPED IRON ROD No.2032
- FOUND 1/2" CAPPED IRON ROD No.2355
- FOUND 1/2" CAPPED IRON ROD No.4450
- FOUND 1/2" CAPPED IRON ROD No.7191
- FOUND 1/2" CAPPED IRON ROD No.7584
- FOUND 1/2" CAPPED IRON ROD (ILLEGIBLE)
- FOUND 1/2" CAPPED IRON ROD No.5791
- FOUND 1/2" CAPPED IRON ROD No.6550
- FOUND 1/4" IRON ROD (UNNUMBERED)
- ▲ FOUND NAIL
- ▲ FOUND NAIL AND DISK No.2032
- ▲ FOUND NAIL AND DISK No.6993
- SET BENCHMARK
- ⋯ DENOTES LINE SHOWN NOT TO SCALE
- ⊙ DENOTES SINGLE SUPPORT SIGN
- ⊙ DENOTES DOUBLE SUPPORT SIGN
- ⊙ DENOTES MAILBOX
- A-1 DENOTES BOLLARD
- DENOTES BORE No. AND LOCATION
- DENOTES WOOD UTILITY POLE
- DENOTES GUY ANCHOR
- DENOTES LIGHT POLE
- DENOTES TELEPHONE BOX
- DENOTES BURIED FIBER CABLE MARKER
- DENOTES TELEPHONE MANHOLE
- DENOTES STORMWATER MANHOLE
- DENOTES SEWER MANHOLE
- DENOTES GAS VALVE
- DENOTES IRRIGATION VALVE
- DENOTES WATER VALVE
- DENOTES WATER METER
- DENOTES BACKFLOW PREVENTER
- DENOTES FIRE HYDRANT
- DENOTES TREE (SIZE AND TYPE NOTED)
- DENOTES SPOT ELEVATION
- 100 — DENOTES ELEVATION CONTOUR LINE AT ONE FOOT INTERVALS
- O — DENOTES CHAIN LINK FENCE
- // // // // — DENOTES WOOD PANEL FENCE
- x — DENOTES VINYL PICKET FENCE
- □ — DENOTES METAL FENCE
- OHU — DENOTES OVERHEAD UTILITIES
- W — DENOTES BURIED WATER LINE
- G — DENOTES BURIED GAS LINE
- BT — DENOTES BURIED COMMUNICATION LINE
- FOC — DENOTES BURIED FIBER OPTIC CABLE
- BOC DENOTES BACK OF CURB
- CMP DENOTES CORRUGATED METAL PIPE
- (C) DENOTES CALCULATED PER DEED
- CH DENOTES CHORD LENGTH
- CH BRG DENOTES CHORD BEARING
- Δ DENOTES CENTRAL ANGLE
- (D) DENOTES DEED INFORMATION
- EOP DENOTES EDGE OF PAVEMENT
- (F) DENOTES FIELD INFORMATION
- L DENOTES LENGTH OF ARC
- (P) DENOTES PLAT INFORMATION
- PVC DENOTES POLYVINYL CHLORIDE
- R DENOTES RADIUS
- RCP DENOTES REINFORCED CONCRETE PIPE
- SRD DENOTES STATE ROAD DEPARTMENT

RBA
REBOL-BATTLE & ASSOCIATES
Civil Engineers and Surveyors
2301 N. Ninth Avenue, Suite 500
Pensacola, Florida 32503
Telephone 850.438.0400 Fax 850.438.0448
ES 0009657 LD 7916

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

CARSON DRIVE AND 3RD STREET
FORT WALTON BEACH, FLORIDA
A PORTION OF
SECTION 13 TOWNSHIP 2 SOUTH RANGE 24 WEST
COUNTY OKALOOSA STATE: FLORIDA

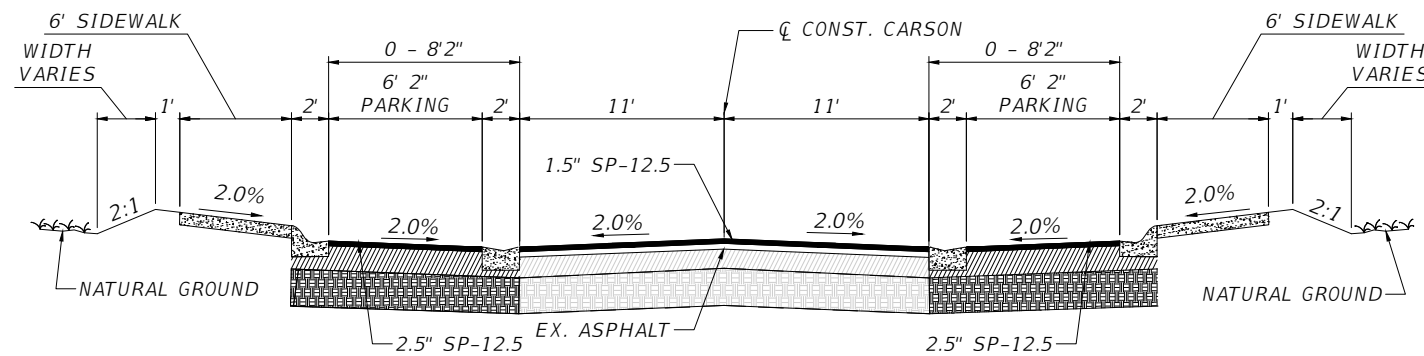
NO.	DATE	APPR.	REVISION/ACTION TAKEN

PROJECT NO: 2014.186	DRAWN BY: CBD
CHKD BY: MAN	SCALE: 1" = 20'
F.B. NO: 15-04	PG. NO: 1-16
DATE: 4-6-2015	

TOPOGRAPHIC SURVEY
PREPARED FOR: ADKINS
REQUESTED BY: MR. KEVIN MORGAN, P.E.

T:\CITY OF FWB\CARSON STREET\SCAPE\DWG\REFS\ATKINS FT WALTON BEACH SURVEY - PHASE II.DWG

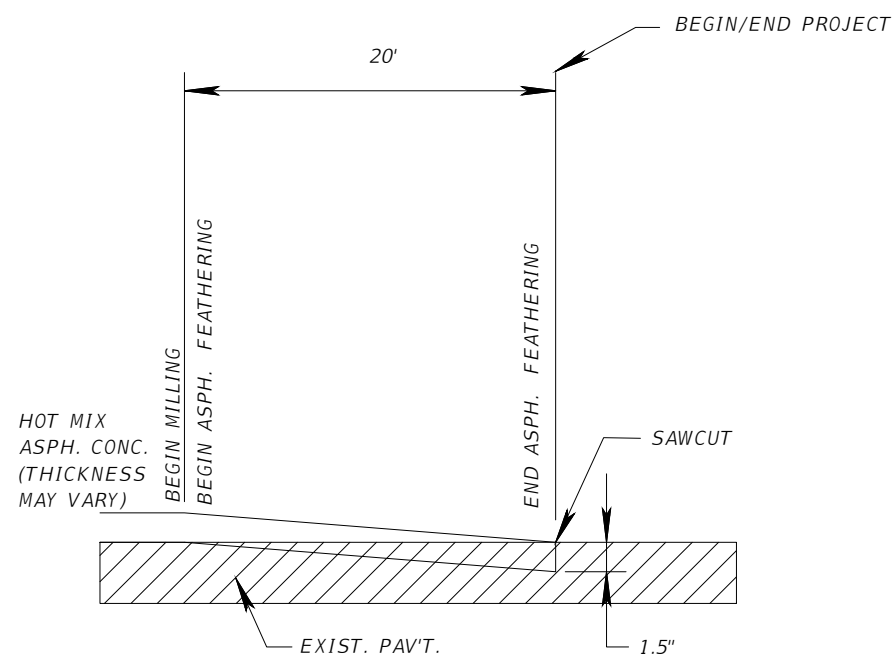
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CARSON DR
 STA. 57+00.00 TO STA. 63+79.31

RESURFACING
 MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1" AVG. DEPTH)
 OVERBUILD AS NEEDED (1" AVG. DEPTH)
 1.5" TYPE SP 12.5, TRAFFIC LEVEL B

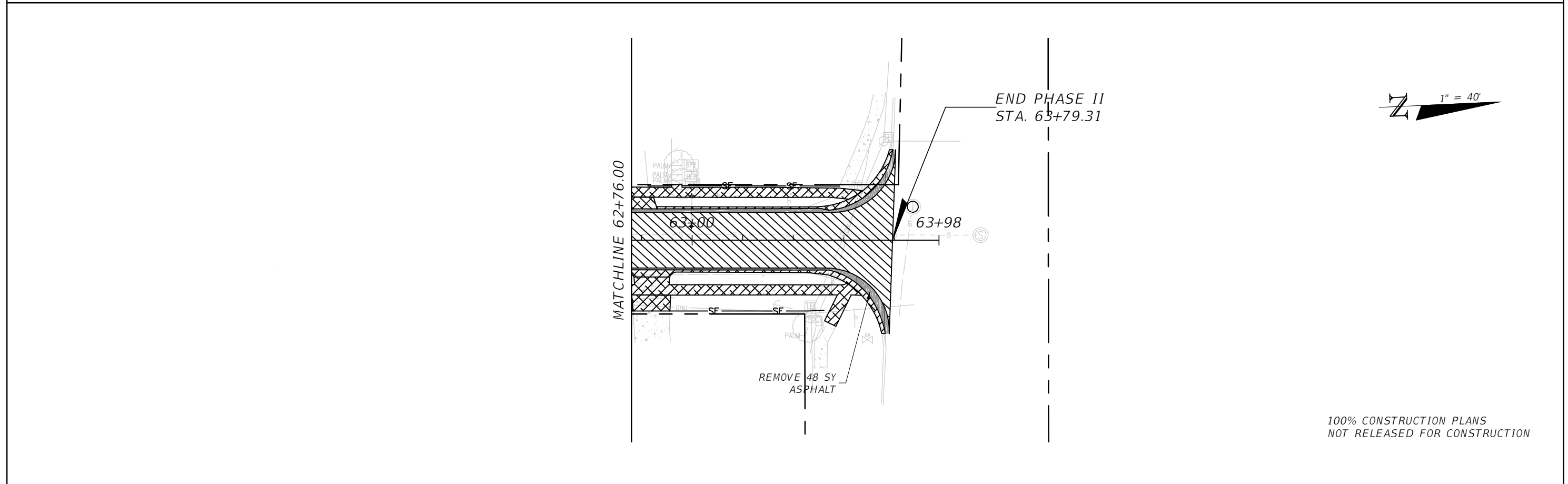
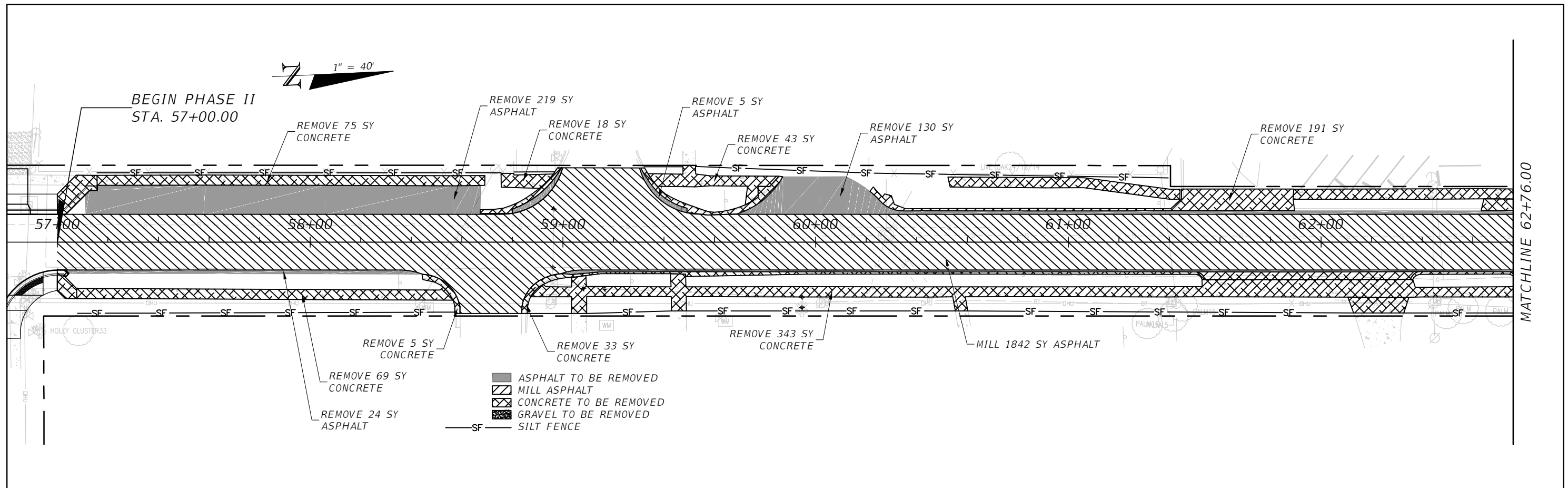
WIDENING/PARKING
 12" TYPE "B" STABILIZATION
 OPTIONAL BASE GROUP 6
 2.5" TYPE SP 12.5, TRAFFIC LEVEL B



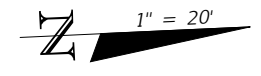
ASPHALT FEATHERING DETAIL
 BEGIN/END PROJECT

100% Construction Plans
 Not Released for Construction

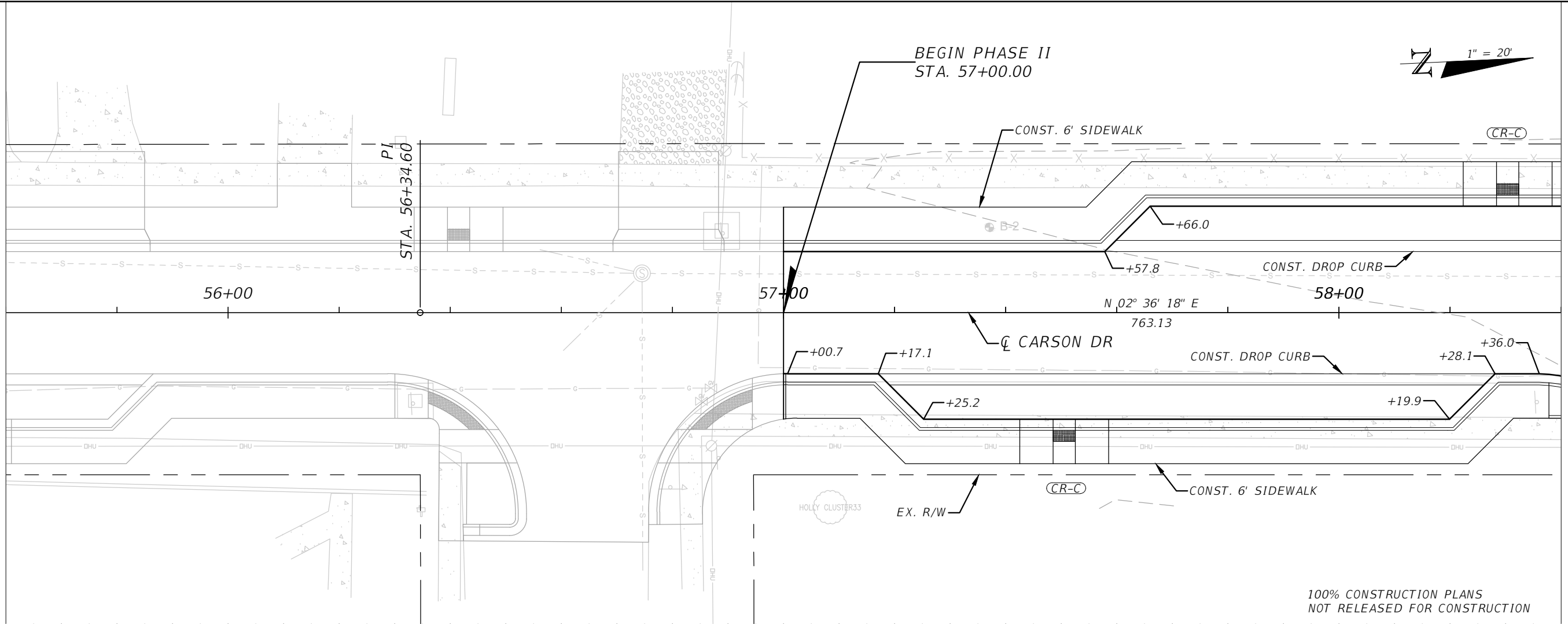
REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN, P.E. # FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			TYPICAL SECTIONS PHASE II	SHEET NO. C-050
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					Carson	OKALOOSA	100044431		



REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN, P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			DEMOLITION & EROSION CONTROL PHASE II	SHEET NO. C-100
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
---	---	---	---	Carson	OKALOOSA	100044431			



BEGIN PHASE II
STA. 57+00.00



MATCHLINE 58+40.00

100% CONSTRUCTION PLANS
NOT RELEASED FOR CONSTRUCTION

BEGIN PROJECT
STA. 57+00.00



1" = 20' Horizontal
1" = 2' Vertical

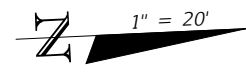
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PROFESSIONAL OF RECORD:
KEVIN M. MORGAN, P.E.# FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

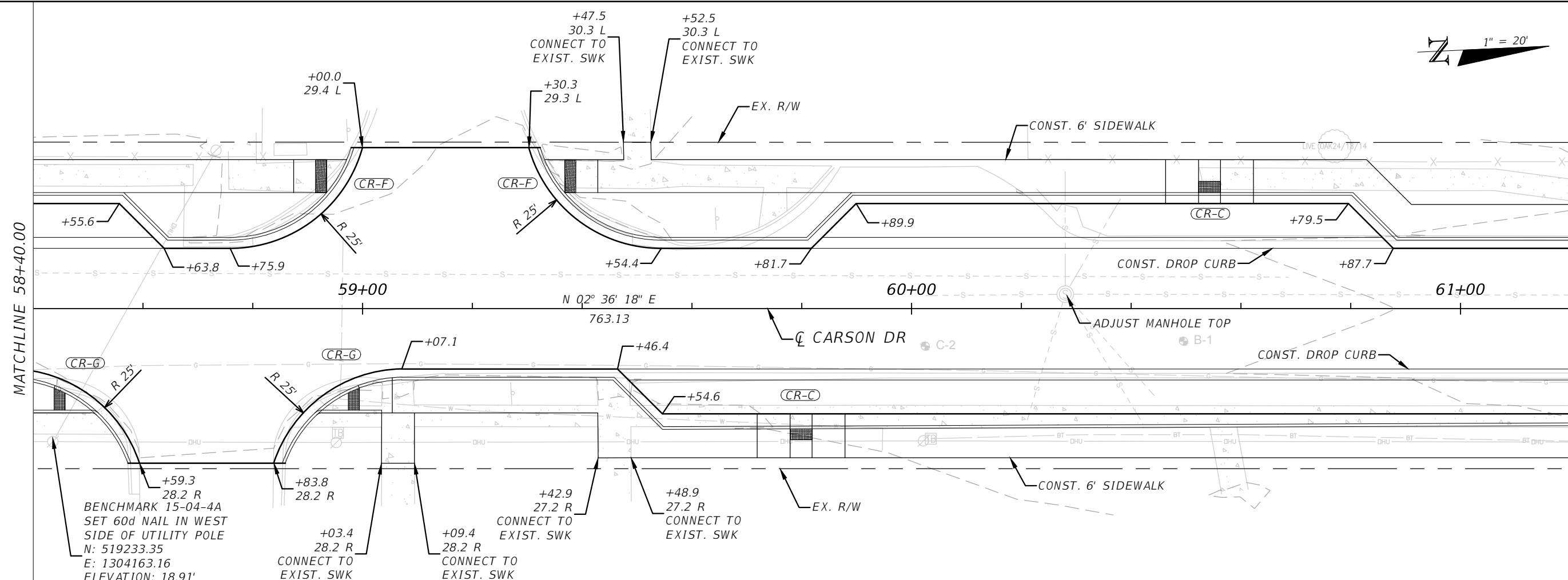
**PLAN PROFILE SHEET
PHASE II**

SHEET NO.
C-200



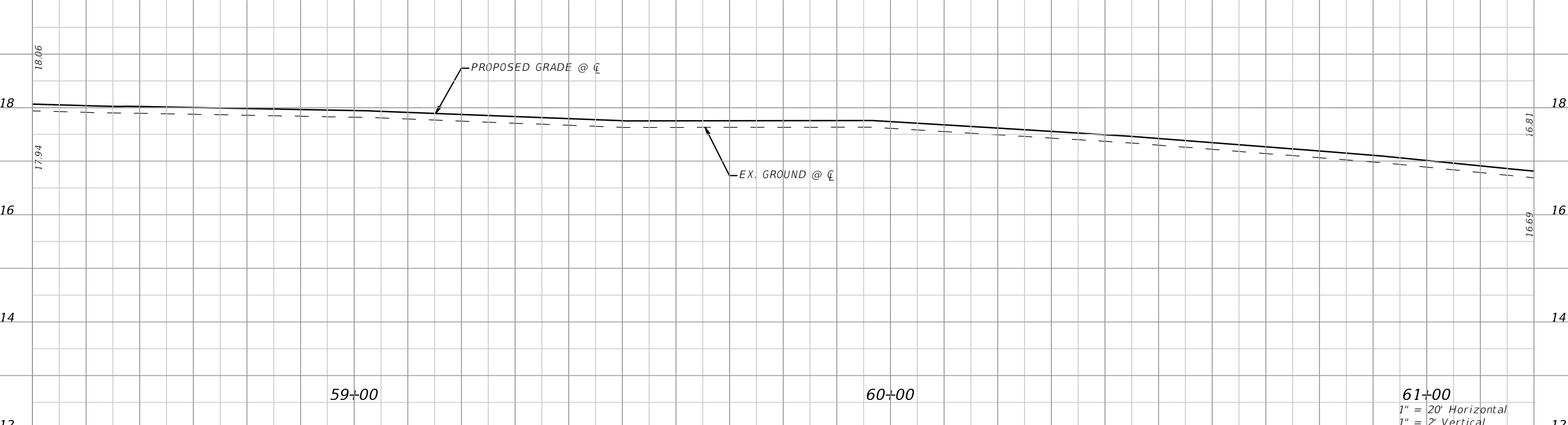
MATCHLINE 58+40.00

MATCHLINE 61+20.00



BENCHMARK 15-04-4A
SET 60d NAIL IN WEST
SIDE OF UTILITY POLE
N: 519233.35
E: 1304163.16
ELEVATION: 18.91'
STA. 58+43.52
OFF. 23.5 R

100% CONSTRUCTION PLANS
NOT RELEASED FOR CONSTRUCTION



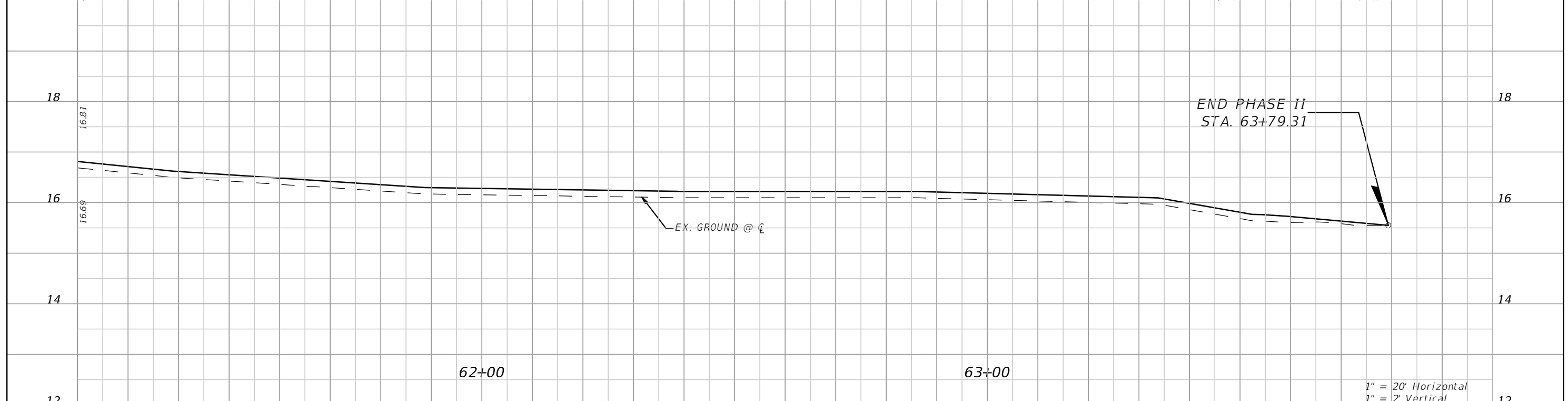
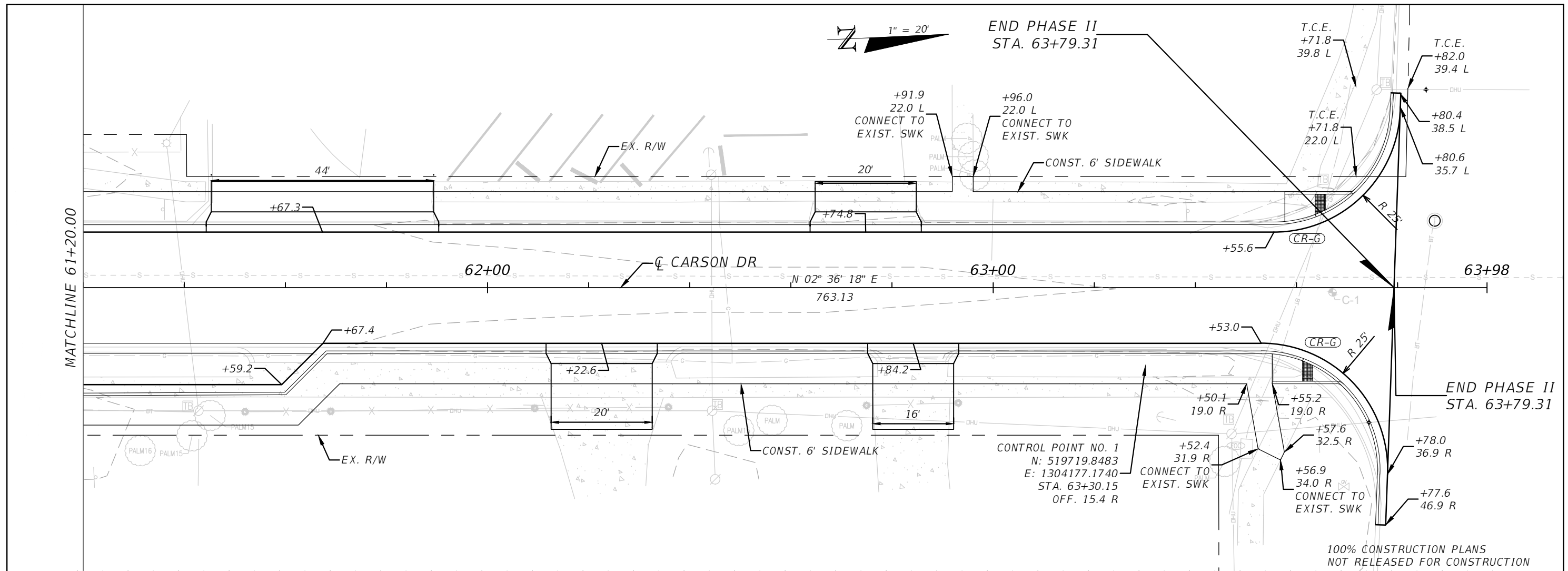
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROFESSIONAL OF RECORD:
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2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

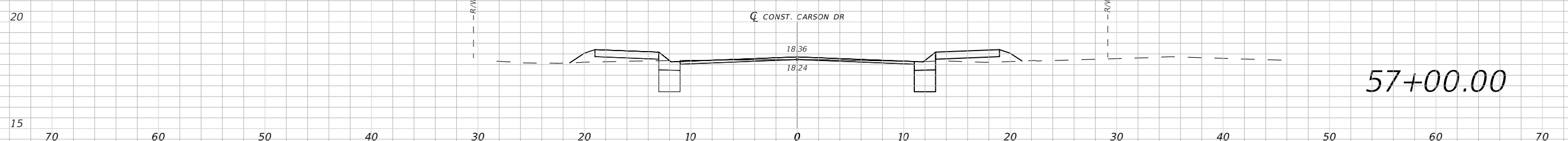
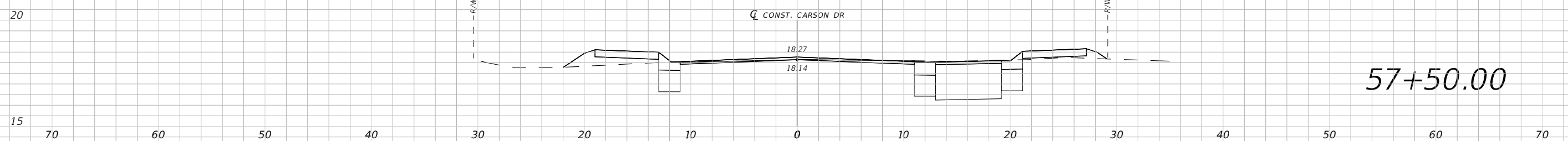
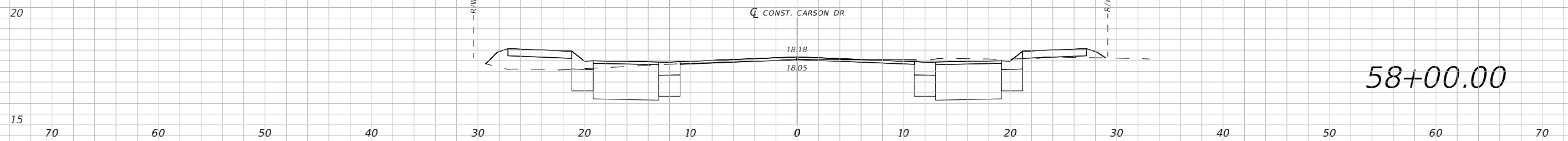
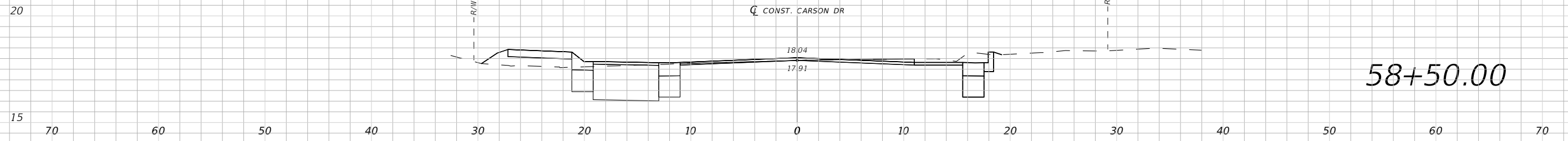
ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

**PLAN PROFILE SHEET
PHASE II**

SHEET NO.
C-201



REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN, P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			PLAN PROFILE SHEET PHASE II	SHEET NO. C-202
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
---	---	---	---	Carson	OKALOOSA	100044431			



1" = 10' Horizontal
1" = 5' Vertical

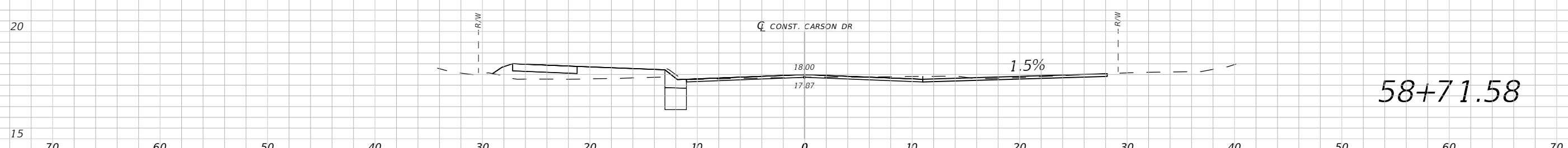
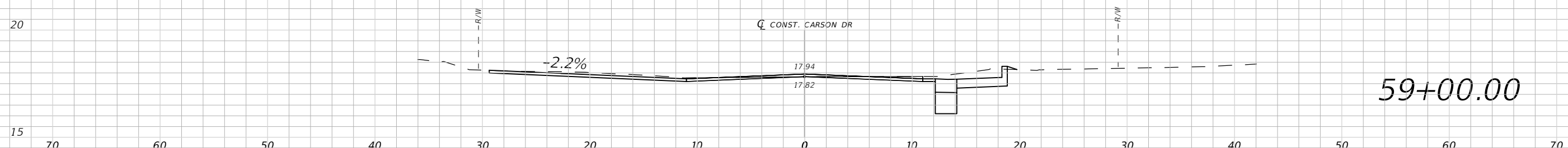
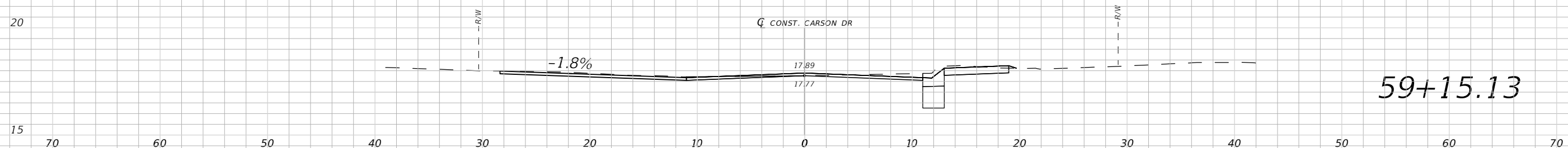
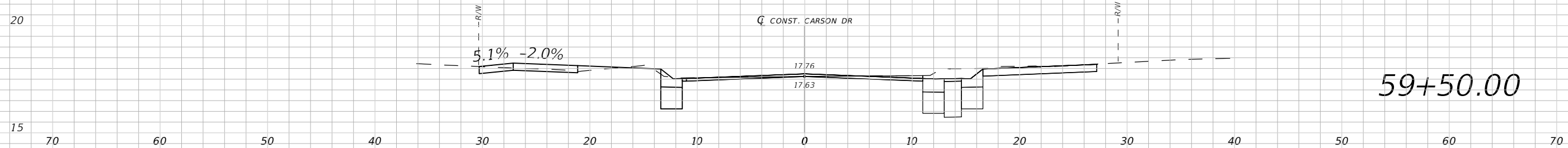
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

**CROSS SECTIONS
CARSON DRIVE PHASE II**

SHEET NO.
C-300



1" = 10' Horizontal
1" = 5' Vertical

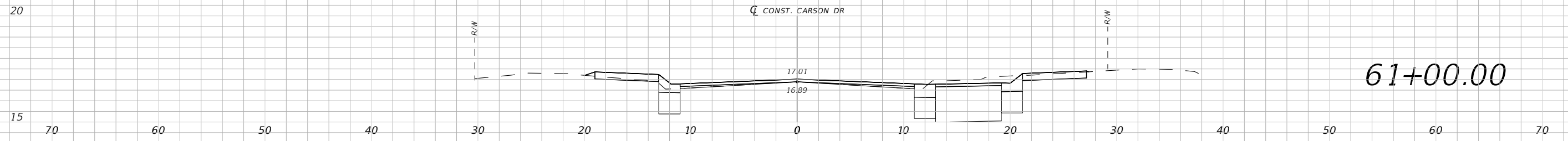
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PROFESSIONAL OF RECORD:
KEVIN M. MORGAN, P.E. # FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

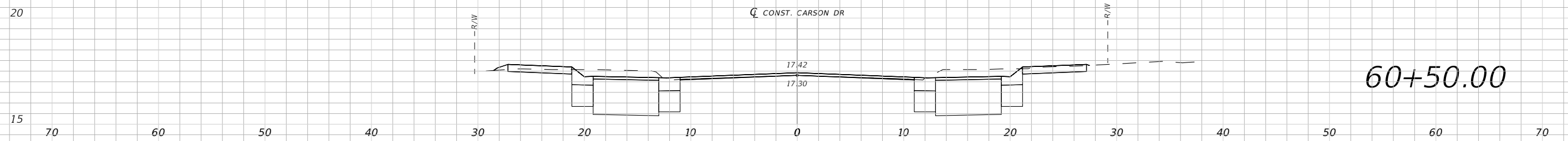
ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

**CROSS SECTIONS
CARSON DRIVE PHASE II**

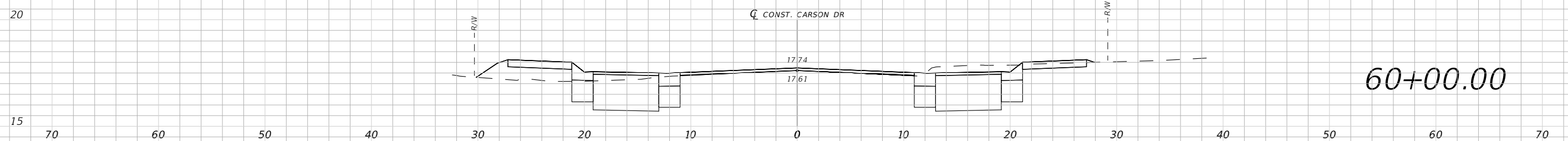
SHEET NO.
C-301



61+00.00



60+50.00



60+00.00

1" = 10' Horizontal
1" = 5' Vertical

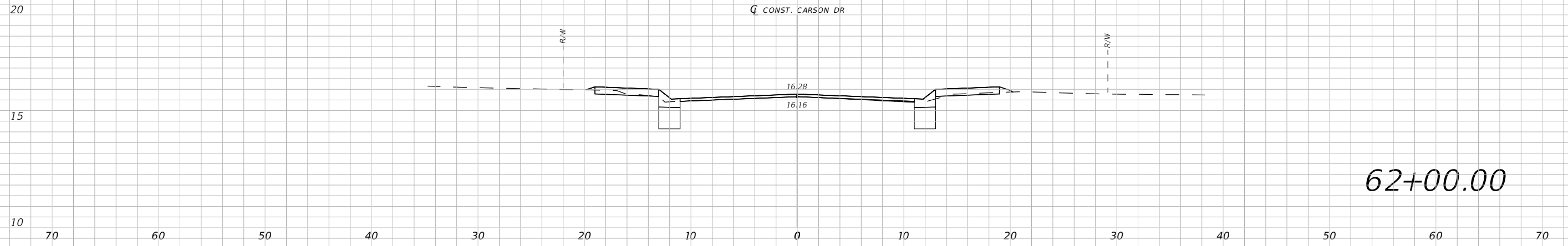
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PROFESSIONAL OF RECORD:
KEVIN M. MORGAN ,P.E.# FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

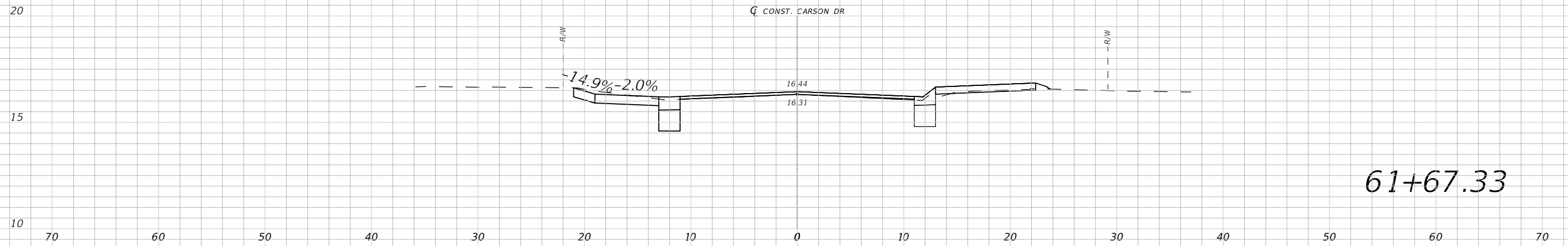
ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

**CROSS SECTIONS
CARSON DRIVE PHASE II**

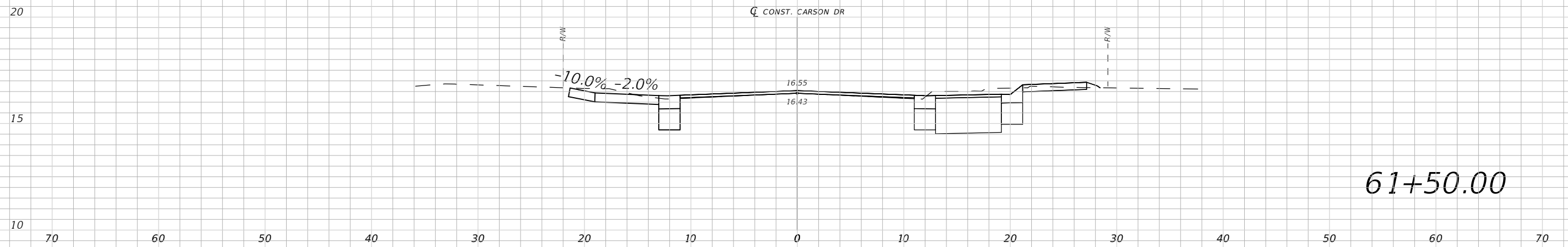
SHEET NO.
C-302



62+00.00



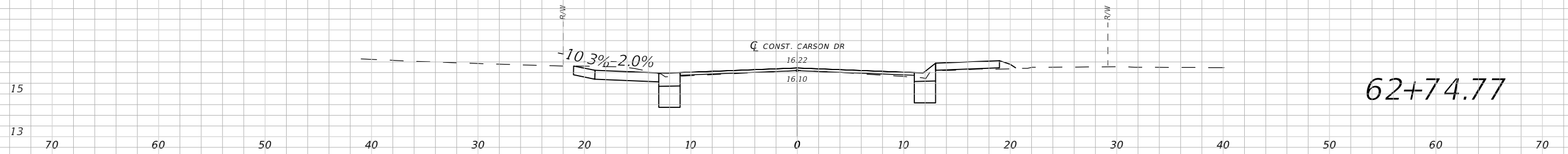
61+67.33



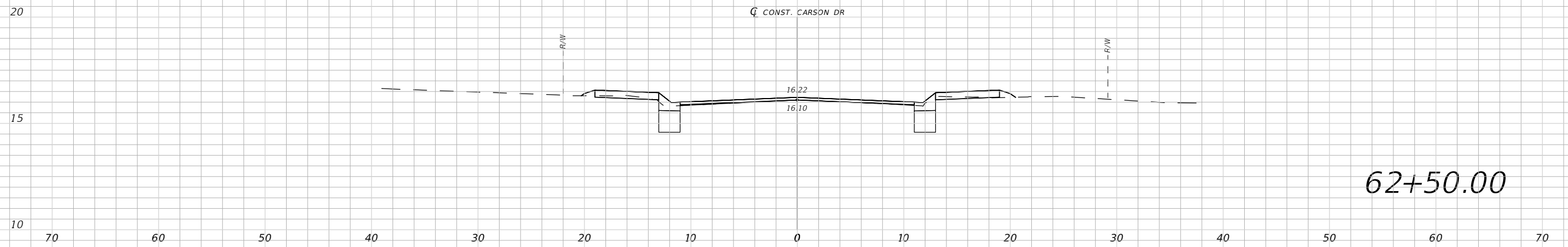
61+50.00

1" = 10' Horizontal
1" = 5' Vertical

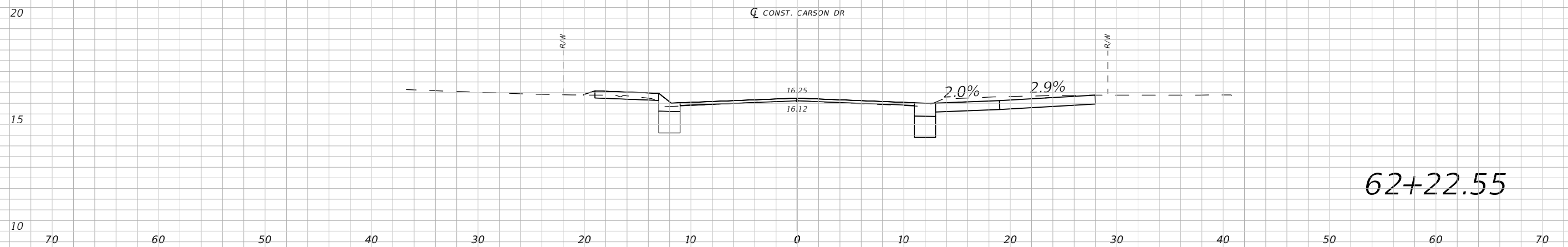
REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN ,P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			CROSS SECTIONS CARSON DRIVE PHASE II	SHEET NO. C-303
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
---	---	---	---	Carson	OKALOOSA	100044431			



62+74.77



62+50.00



62+22.55

1" = 10' Horizontal
1" = 5' Vertical

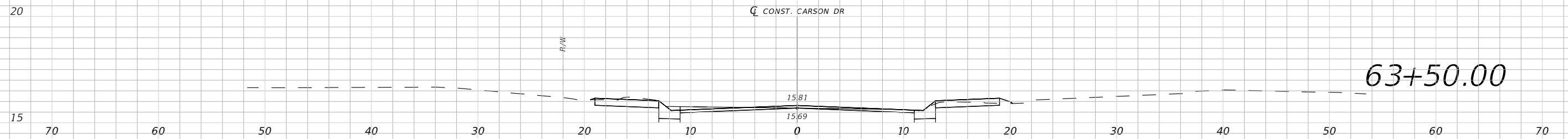
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PROFESSIONAL OF RECORD:
KEVIN M. MORGAN, P.E.# FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

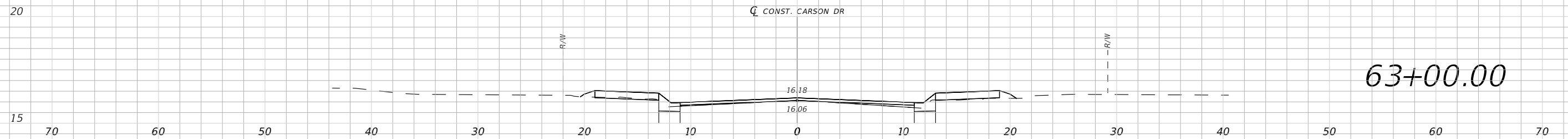
ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

**CROSS SECTIONS CARSON
DRIVE PHASE II**

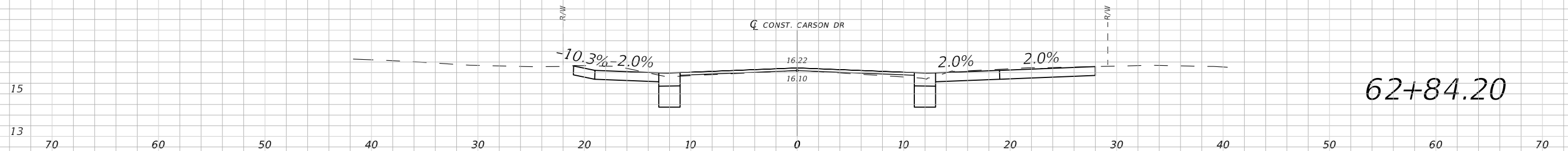
SHEET NO.
C-304



63+50.00



63+00.00



62+84.20

1" = 10' Horizontal
1" = 5' Vertical

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
---	---		

PROFESSIONAL OF RECORD:
KEVIN M. MORGAN, P.E.# FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

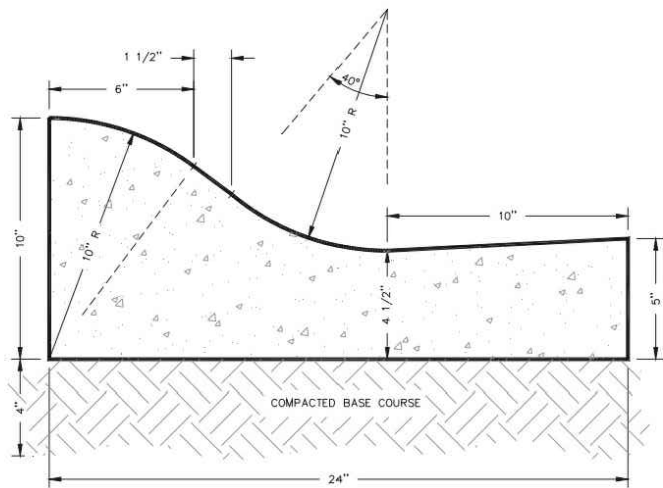
ATKINS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

CROSS SECTIONS CARSON
DRIVE PHASE II

SHEET NO.
C-305

STANDARD ROLLBACK CURB & GUTTER



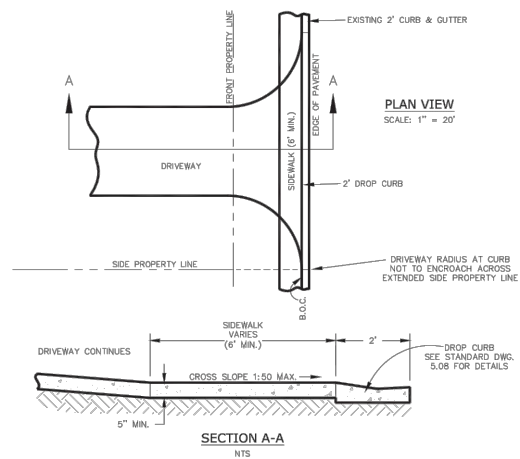
GENERAL NOTES:

1. CURB AND GUTTER CONCRETE SHALL BE PLACED SEPARATELY FROM DRIVEWAY APPROACH AND SIDEWALK.
2. ALL CURB AND COMBINATION CURB AND GUTTER SHALL HAVE CONTROL JOINTS CONSTRUCTED AT 10' INTERVALS AT LEAST ONE HALF INCH IN DEPTH.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO BACK FILL VOIDS BETWEEN NEW GUTTER AND PAVEMENT WITH CHIPS & DUST OR CITY APPROVED EQUAL AND TO COMPACT SAID BACK FILL WHEN FORMS AND SPOIL ARE REMOVED IN ORDER TO ELIMINATE ANY AND ALL HAZARDS.
4. EXPANSION JOINTS SHALL BE PLACED TO WITHIN 1/4" BELOW THE SURFACE OF THE CONCRETE AND AT INTERVALS OF 30 FEET FOR NEW CONSTRUCTION, WITH CRACK CONTROL JOINTS AT 10 FOOT INTERVALS.
5. EXPANSION JOINTS SHALL BE PLACED WHERE NEW SIDEWALK ABUTS OLD AND BETWEEN CURB & GUTTER AND SIDEWALK.

CONCRETE SHALL BE MINIMUM 3000 P.S.I. STRENGTH.

City of Fort Walton Beach Engineering Standards	STANDARD ROLLBACK CURB & GUTTER	SCALE: NTS	7-11-2012 KJN	DRAWING # ESM-5.10
--	---------------------------------	---------------	------------------	-----------------------

STANDARD COMMERCIAL DRIVEWAY WITH SIDEWALK AT BACK OF CURB



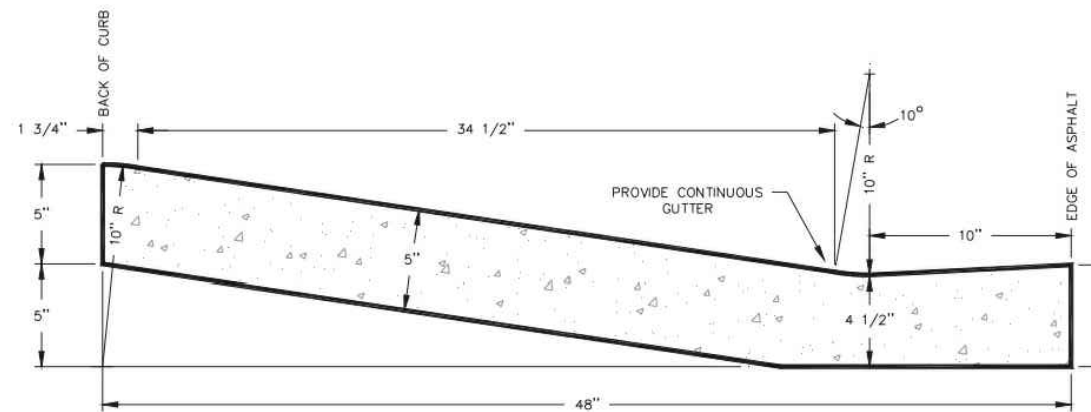
NOTES:

1. IF STREET HAS BEEN OVERLAPPED, INTO GUTTER, MATCH CONCRETE TO CONCRETE AND ASPHALT TO ASPHALT.

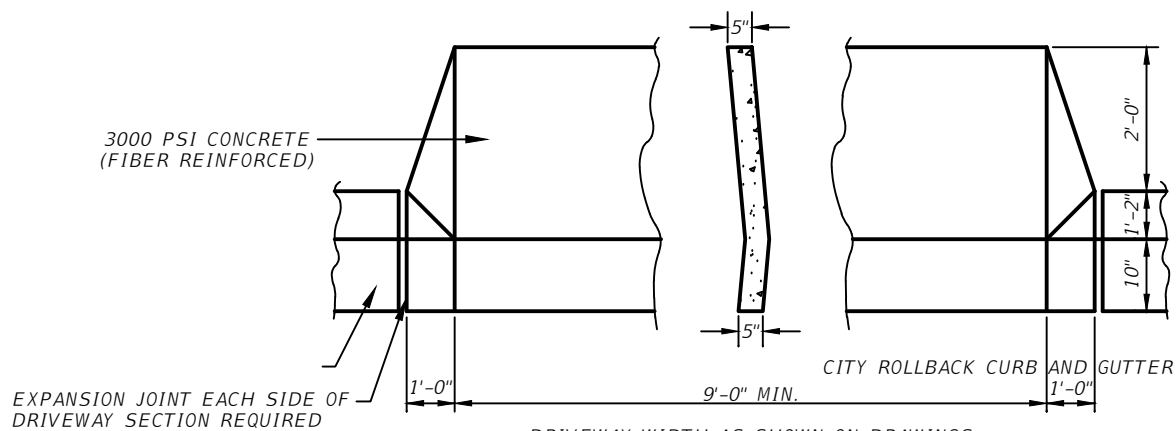
City of Fort Walton Beach Engineering Standards	STANDARD COMMERCIAL DRIVEWAY WITH SIDEWALK AT BACK OF CURB	SCALE: NTS	7-16-2012 KJN	DRAWING # ESM-7.05
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STANDARD DRIVEWAY TURNOUT CURB & GUTTER




City of Fort Walton Beach Engineering Standards	STANDARD DRIVEWAY TURNOUT CURB & GUTTER	SCALE: NTS	7-16-2012 KJN	DRAWING # ESM-7.06
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DRIVEWAY WIDTH AS SHOWN ON DRAWINGS UNLESS OTHERWISE NOTED.

DRIVEWAY SECTION NOT TO SCALE

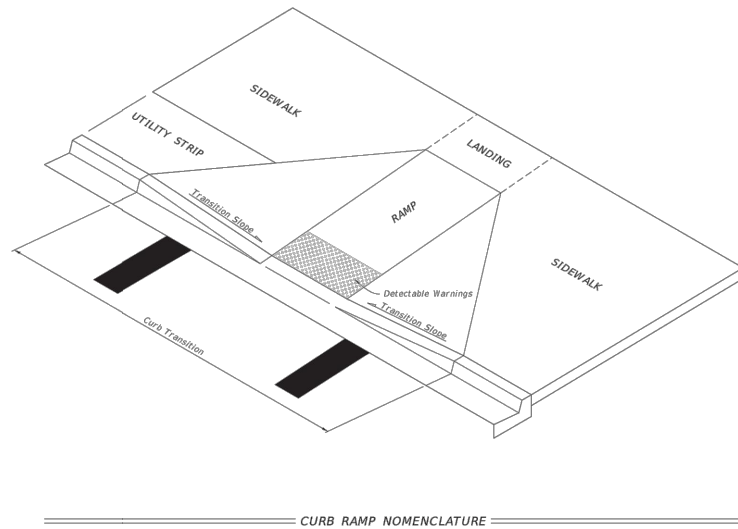
100% Construction Plans
Not Released for Construction

REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN .P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	 ROAD NO. COUNTY FINANCIAL PROJECT ID Carson OKALOOSA 100044431	CONSTRUCTION DETAILS PHASE II	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				C-400

GENERAL NOTES

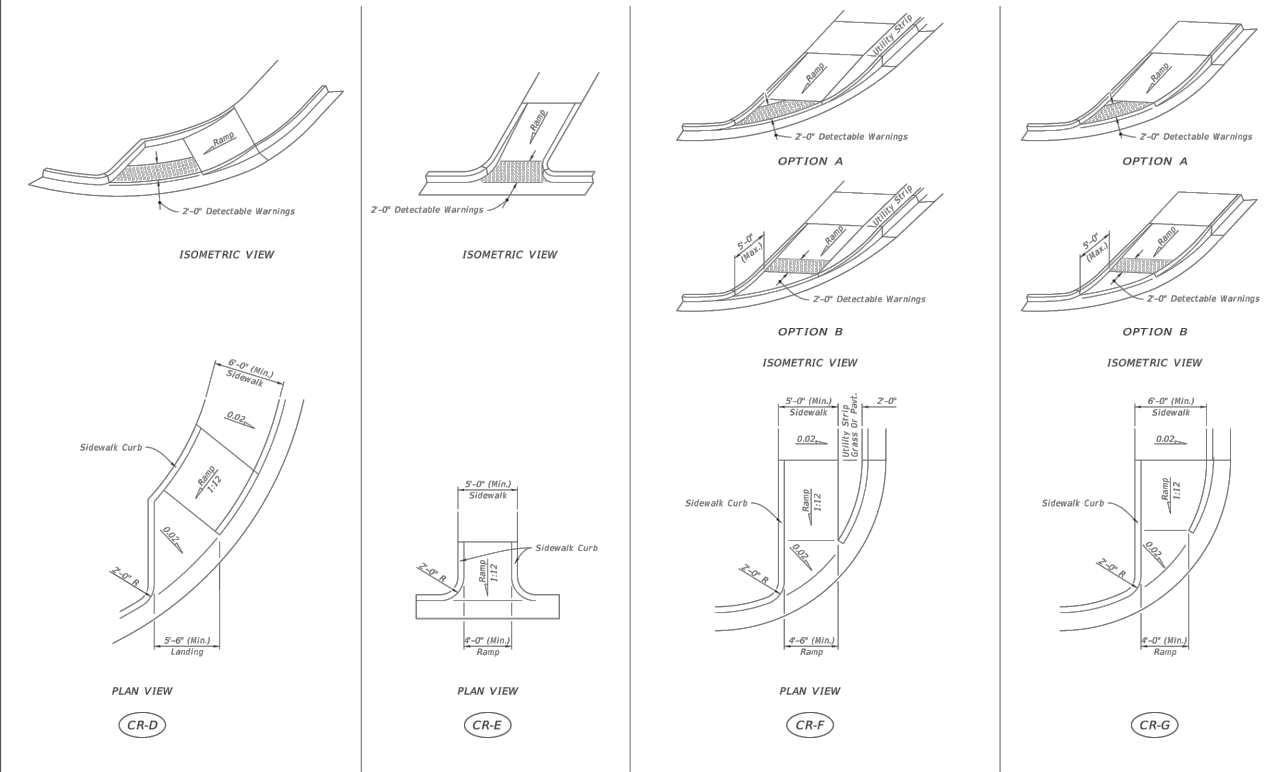
- Cross Slopes and Grades:**
 - Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this index are maximums. Steeper slopes are not permitted unless otherwise detailed in the Plans.
 - Landings must have slopes less than or equal to 0.02 in any direction.
 - Install ramp slopes along a single linear plane (i.e. no warps or varying slope).
- Grade Breaks:**

Grade breaks at the top and bottom of ramps must be parallel to each other and perpendicular to the direction of the ramp slope.
- Existing Curb, Curb and Gutter and/or Sidewalk:**
 - Remove any existing curb or curb and gutter to the nearest joint beyond the curb transition or to the extent that no remaining section of curb or gutter is less than 5 feet long. Remove any existing sidewalk to the nearest joint beyond the transition slope or to the extent that no remaining section of sidewalk is less than 5 feet long.
 - Refer to Index 310 for Concrete Sidewalk details.
- Curb Ramp Alpha-Identification:**
 - Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
 - Alpha-identifications CR-I and CR-J are intentionally omitted.
- Detectable Warnings:**
 - Install detectable warnings in accordance with Specification Section 527.
 - Place detectable warnings across the full width of the ramp or landing, to a depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
 - If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.
- Detectable Warnings - Acceptance Criteria:**
 - Color and texture shall be complete and uniform.
 - 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
 - There shall be no more than 4 non-compliant domes in any one square foot.
 - Non-compliant domes shall not be adjacent to other non-compliant domes.
 - Surfaces shall not deviate more than 0.10" from a true plane.



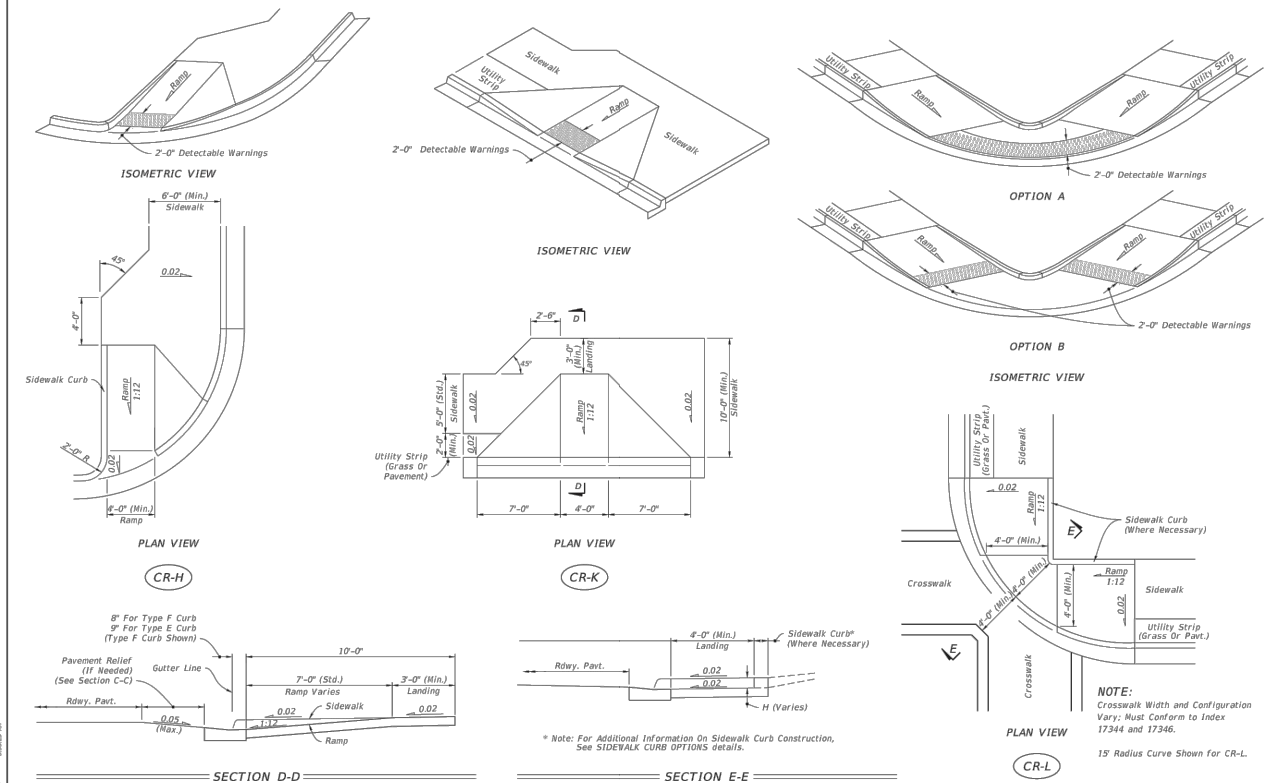
CURB RAMP NOMENCLATURE

LAST REVISION 11/01/16	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 1 of 8
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SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

LAST REVISION 11/01/16	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 4 of 8
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SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

LAST REVISION 11/01/16	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX NO. 304	SHEET NO. 5 of 8
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROFESSIONAL OF RECORD:
 KEVIN M. MORGAN, P.E. # FL# 71350
 2114 AIRPORT BLVD., SUITE 1450
 PENSACOLA, FL 32504
 PHONE NO. 850.478.9844
 CERTIFICATE OF AUTHORIZATION NO. 24

ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

CONSTRUCTION DETAILS
PHASE II

SHEET NO.
C-401

100% Construction Plans
 Not Released for Construction

STORMWATER POLLUTION PREVENTION PLAN CONTRACTOR'S REQUIREMENTS

SITE DESCRIPTION

CARSON DRIVE STREETScape PHASE II
 CARSON DRIVE - 4TH STREET TO HOLLYWOOD BLVD.
 FORT WALTON BEACH, FL

CITY OF FORT WALTON BEACH

SITE LOCATION:
 THE PROJECT IS BOUNDED BY:
 4TH STREET ON THE SOUTH SIDE
 HOLLYWOOD BLVD ON THE NORTH SIDE

OKALOOSA COUNTY, FLORIDA
 SECTION 13, TOWNSHIP 2 SOUTH, RANGE 24 WEST

DESCRIPTION:

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
 CLEARING AND GRUBBING, EARTHWORK, GRADING, STORM SEWER AND PIPE CONSTRUCTION,
 ROADWAY WORK, AND LANDSCAPING.

SOILS:
 SEE SOIL BORING REPORT AND SOILS SURVEY FOR SOILS DATA

SITE MAPS:
 * SEE ATTACHED CONSTRUCTION PLANS FOR PRE & POST DEVELOPMENT GRADES, AREAS OF
 SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, MAJOR STRUCTURAL AND
 NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.

NAME OF RECEIVING WATERS: N/A

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND SEDIMENTATION
 CAUSED BY STORMWATER RUNOFF. EROSION AND SEDIMENTATION CONTROLS ON THE SITE
 PLAN HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE
 CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE
 CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER
 PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS
 RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORMWATER MANAGEMENT

STORMWATER TREATMENT AND ATTENUATION WILL BE PROVIDED.

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS
 OUTLINED HEREON AND THOSE MEASURES SHOWN ON THE SWPPP SITE PLAN. IN ADDITION
 THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE
 WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING
 ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE
 REQUIRED TO IMPLEMENT SEDIMENTATION CONTROL MEASURES NOT SPECIFICALLY LISTED OR
 SHOWN HEREON AT NO COST TO THE OWNER.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL EROSION AND SEDIMENTATION CONTROLS ACCORDING TO THE CONTRACT DOCUMENTS.
2. CONSTRUCT SITE IMPROVEMENTS.
3. INSTALL ADDITIONAL EROSION AND SEDIMENTATION CONTROLS AS MAY BE WARRANTED TO CONTROL ADVERSE ENVIRONMENTAL IMPACTS AND TO MEET APPLICABLE PERMIT REQUIREMENTS.
4. MAINTAIN EROSION AND SEDIMENTATION CONTROLS AND REPAIR ERODED AREAS THROUGHOUT CONSTRUCTION UNTIL THE SITE IS STABILIZED AND ACCEPTED BY THE OWNER.

PERMITS:

1. CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITIES AND SHALL ABIDE BY NPDES PERMIT CONDITIONS. CONTRACTOR MAY UTILIZE THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDED IN THESE PLANS OR PROVIDE HIS OWN SWPPP FOR NPDES PERMITTING.
2. OWNER WILL OBTAIN AN ENVIRONMENTAL RESOURCE PERMIT (ERP) FROM THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NWFWMD) OR A STORMWATER MANAGEMENT PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR THE PROJECT. CONTRACTOR SHALL ABIDE BY THE CONDITIONS OF THE ERP OR STORMWATER MANAGEMENT PERMIT.
3. COST FOR OBTAINING AN NPDES PERMITS AND FOR ABIDING BY ALL PERMIT CONDITIONS SHALL BE BORNE BY THE CONTRACTOR.
4. CONTRACTOR SHALL PROVIDE A COPY OF HIS NPDES PERMIT NOI TO THE CITY OF FORT WALTON BEACH OFFICE OF THE CITY ENGINEER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM ANY SEDIMENT TRAPS, THE RETENTION POND BOTTOM WILL BE CONTOURED TO TO FINAL ELEVATION, AND THE SITE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENTATION CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE SITE PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE SITE

PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND SEDIMENTATION CONTROL REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND SEDIMENTATION CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND SEDIMENTATION REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES

11. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
 - 11.A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
 - 11.B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
 - 11.C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
 - 11.D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
12. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
 - 12.A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
 - 12.B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
13. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE. USE OF BRUSH BARRIER MUST RECEIVE SEPARATE APPROVAL FROM THE OWNER.
14. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
15. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
16. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 20 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
17. DROP INLET PROTECTION: PROVIDE SEDIMENT CONTROL MEASURES AS APPROPRIATE DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO STRAW BALE DROP INLET SEDIMENT FILTERS AND/OR PRE-MANUFACTURED INLET INSERTS (ULTRA-TECH ULTRA-GRATEGUARD GRATE COVER, ULTRA-TECH ULTRA-DRAIN GUARD CATCH BASIN INSERT, OR EQUIVALENT) AT ALL EXISTING OR INSTALLED DROP INLET BOXES WHERE THE TOP OF BOX IS NOT AT LEAST 10" ABOVE THE NEAREST ADJACENT UNFINISHED GRADE.
18. CURB INLET PROTECTION: PROVIDE SEDIMENT CONTROL MEASURES AS APPROPRIATE DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO STRAW BALE CURB INLET SEDIMENT FILTERS AND/OR PRE-MANUFACTURED INLET INSERTS (ULTRA-TECH ULTRA-CURB GUARD, ULTRA-TECH ULTRA-GUTTER GUARD, OR EQUIVALENT) AT ALL EXISTING OR INSTALLED CURB INLETS.
19. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 20 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS OR SIMILAR SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
20. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
21. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
22. TEMPORARY REGRASSING: IF, AFTER 30 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
23. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
24. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
25. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SODDED.
26. REFER TO OTHER NOTES AND/OR DETAILS FOR MORE RESTRICTIVE GRASSING/SODDING REQUIREMENTS.

STRUCTURAL PRACTICES

1. THE FOLLOWING MEASURES MAY BE USED EARLY IN THE PROJECT AS APPROPRIATE.
2. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
3. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE WAY

AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:

- 3.A. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
 - 3.B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.
 - 3.C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
4. OUTLET PROTECTION: REQUIRED AT THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCE & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGE STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
 5. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE.
 - 5.A. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

LAND CLEARING/EXCAVATION MATERIALS

EXCESS SOIL AND OTHER LAND CLEARING MATERIALS SHALL BE DISPOSED OF IN LAWFULLY PERMITTED OFF SITE FACILITIES. THE OWNER MAY PROVIDE ONSITE UPLAND LOCATION(S) FOR TEMPORARY OR PERMANENT DISPOSAL OF SOIL OR LAND CLEARING DEBRIS.

WASTE MATERIALS

CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND ULTIMATE DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS, RULES, CODES, AND REGULATIONS.

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL CONTAINER. THE CONTAINER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE CONTAINER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ANY AND ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS.

INVENT. FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> CONCRETE | <input checked="" type="checkbox"/> FERTILIZERS | <input checked="" type="checkbox"/> WOOD |
| <input checked="" type="checkbox"/> ASPHALT | <input checked="" type="checkbox"/> PETROLEUM BASED PRODUCTS | <input checked="" type="checkbox"/> MASONRY BLOCKS |
| <input checked="" type="checkbox"/> TAR | <input checked="" type="checkbox"/> CLEANING SOLVENTS | <input checked="" type="checkbox"/> ROOFING MATERIALS |
| <input checked="" type="checkbox"/> DETERGENTS | <input checked="" type="checkbox"/> PAINTS | <input checked="" type="checkbox"/> METAL STUDS |
| <input checked="" type="checkbox"/> TRANSFORMERS | <input checked="" type="checkbox"/> LIGHTING EQUIPMENT | <input type="checkbox"/> _____ |

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

* ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM BASED PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

USE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS FOR STORAGE AND DISPOSAL OF PAINT PRODUCTS.

CONCRETE TRUCKS

SHALL NOT BE CLEANED OR DISCHARGE SPOILED OR UNUSED CONCRETE ONSITE UNLESS OTHERWISE COORDINATED WITH THE OWNER

FUELING/LUBRICATION/MAINTENANCE OF VEHICLES AND EQUIPMENT

FUEL SHALL NOT BE STORED ONSITE. ALL FUEL, LUBRICANTS, AND RELATED SUBSTANCES SHALL BE PROVIDED VIA FUEL/LUBRICATION TRUCK. ONLY REQUIRED FUELING AND NORMAL MINOR LUBRICATION AND MAINTENANCE WILL OCCUR ONSITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.


THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

*100% Construction Plans
 Not Released for Construction*

REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN ,P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24				STORMWATER POLLUTION PREVENTION PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							ROAD NO.
						Carson/Third	OKALOOSA			100044431

STORMWATER POLLUTION PREVENTION PLAN CONTRACTOR'S REQUIREMENTS

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

- * NO MORE THAN 20 ACRES OF THE SITE WILL BE DENUDE AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE OWNER.
- * ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.50 INCH OR GREATER.
- * THE SUPERINTENDENT AND ANY OTHER PERSON APPOINTED TO PERFORM NPDES INSPECTIONS SHALL BE A CERTIFIED INSPECTOR PURSUANT TO NPDES REGULATIONS
- * ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- * BUILT UP SEDIMENT WILL BE REMOVED FROM SILT BARRIERS WHEN IT HAS REACHED ONE-FOURTH THE HEIGHT OF THE BARRIER.
- * SILT BARRIERS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- * THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
- * DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- * TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- * A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS AVAILABLE FROM THE ENGINEER. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
- * PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- * UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____

KEVIN M. MORGAN, P.E.

DATED: _____

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND SEDIMENTATION CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

FDEP ERP STORMWATER PERMIT #: N/A

FDEP DREDGE & FILL PERMIT #: N/A

U.S. ARMY CORPS OF ENGINEERS #: N/A

NPDES (SITE CONSTRUCTION ACTIVITIES) #: BY CONTRACTOR

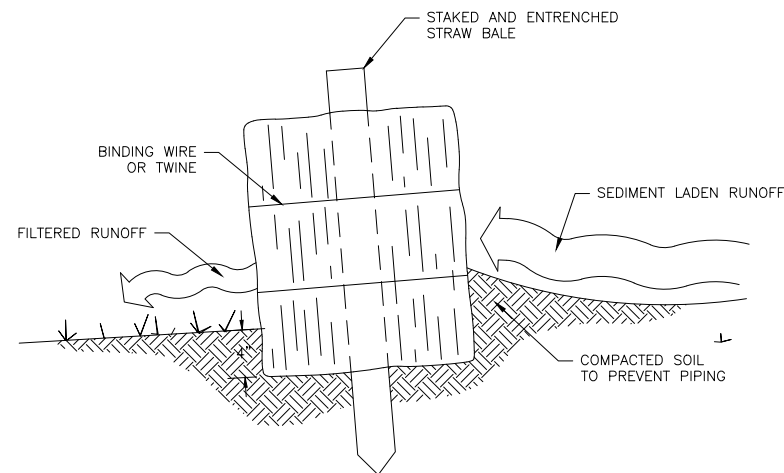
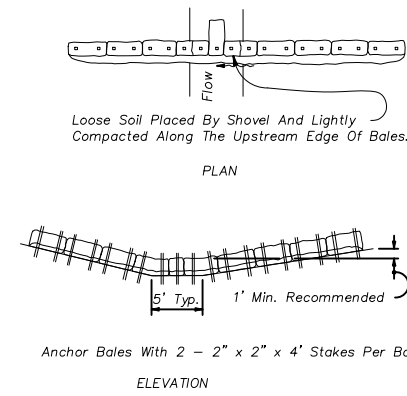
CONTRACTOR'S CERTIFICATION

CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

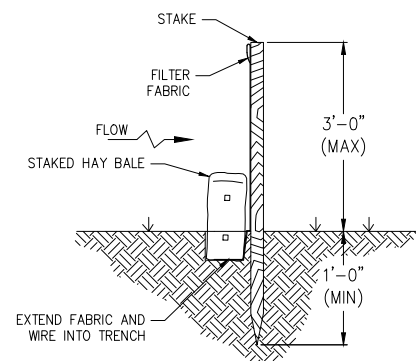
SIGNED: _____

CONTRACTOR

DATED: _____

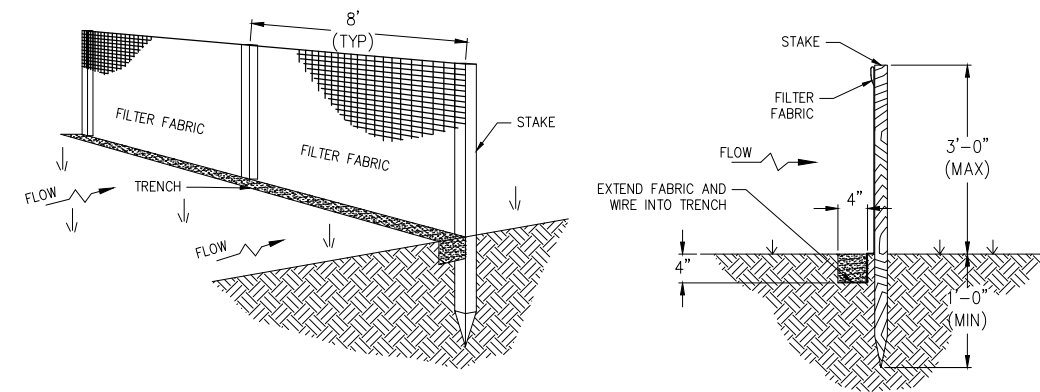


TYPE 1 HAY BALE BARRIER FOR UNPAVED DITCH



NOTE: CONTRACTOR MAY SUBSTITUTE SYNTHETIC BALES FOR STRAW BALES

SILT FENCE W/ STRAW BALE



NOTES:

1. SET THE POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS.
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.
5. ALTERNATIVELY, EXCAVATE 4"x4" TRENCH, INSTALL PRE-ASSEMBLED SILT FENCE/POST AND BACKFILL TRENCH.

SILT FENCE
NTS

SHEET FLOW APPLICATION: SILT FENCE

GENERAL NOTES

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED AS DESCRIBED IN ITEM NO. 8 BELOW.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THEN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. WHEN ATTACHING TWO SILT FENCES TOGETHER, PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS AT LEAST 180 DEGREES ON A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FILTER FABRIC. DRIVE BOTH POSTS INTO THE GROUND AND BURY THE FLAP.
9. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
10. THE MOST EFFECTIVE APPLICATION CONSISTS OF A DOUBLE ROW OF SILT FENCES SPACED A MINIMUM OF 3 FEET APART. THE 3-FOOT SEPARATION IS SO THAT IF THE FIRST ROW COLLAPSES, IT WILL NOT FALL ON THE SECOND ROW. WIRE OR SYNTHETIC MESH MAY BE USED TO REINFORCE THE FIRST ROW.
11. WHEN USED TO CONTROL SEDIMENTS FROM A STEEP SLOPE, SILT FENCES SHOULD BE PLACED AWAY FROM THE TOE OF THE SLOPE FOR INCREASED HOLDING CAPACITY.
12. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
13. CONTRACTOR MAY SUBSTITUTE SILT FENCE WITH STRAW BALE IN LIEU OF DOUBLE SILT FENCE
14. CONTRACTOR MAY SUBSTITUTE SYNTHETIC BALES FOR STRAW BALES.
15. SILT FENCE LOCATIONS ARE SHOWN ON SHEET C-050.

100% Construction Plans
Not Released for Construction

REVISIONS			NTS DESCRIPTION	PROFESSIONAL OF RECORD: KEVIN M. MORGAN ,P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. C-501
DATE	DESCRIPTION	DATE			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					Carson/Third	OKALOOSA	100044431		

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARD INDEX NOS. 600-670, THE CURRENT EDITION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
2. NY ADDITIONAL INTERRUPTIONS TO NORMAL TRAFFIC PATTERNS, WHICH ARE NOT SHOWN IN THE TRAFFIC CONTROL PLAN, BUT ARE NECESSARY TO CONSTRUCT THE PROJECT SHALL BE SUBMITTED IN WRITING TO THE CITY ENGINEER AND APPROVAL SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORK. SUBMITTAL SHALL INCLUDE SKETCHES, CALCULATIONS, AND OTHER DATA AND SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.
3. RROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
4. ACCESS TO ALL SIDE ROADS AND DRIVEWAYS SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
5. CONTRACTOR SHALL MAINTAIN AND KEEP SIDE ROAD NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
6. PEDESTRIAN ACCESS WILL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. PROPER SIGNAGE SHALL BE USED.
7. ALL DROP-OFF CONDITIONS WITHIN THE PROJECT LIMITS WILL BE MITIGATED IN ACCORDANCE WITH FDOT STANDARD INDEX 600.
8. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER EMERGENCY EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE CITY ENGINEER.
9. WORK SHALL NOT BE ALLOWED ON BOTH SIDES OF THE ROAD AT THE SAME TIME.
10. WHERE PHASE CONSTRUCTION IS SHOWN UTILIZING CHANNELIZING DEVICES, THESE ARE ONLY APPLICABLE IF THE DROP-OFF IS LESS THAN OR EQUAL TO THE ONE SPECIFIED IN INDEX 600 SHEET 9 OF 12 OR IF THE DROP-OFF IS CREATED AND RESTORED WITHIN THE SAME WORK PERIOD. OTHERWISE, SEE SAME INDEX FOR REQUIRED PROTECTION DEVICES.

MAINTENANCE OF TRAFFIC PHASING NOTES:

PHASE II (CARSON DRIVE: STA. 57+00.00 TO STA. 63+79.31)

MOT PHASE IIA

OBJECTIVE: CONSTRUCT NORTHBOUND LANE AND ON-STREET PARKING ON CARSON DRIVE.

1. INSTALL TRAFFIC CONTROL SIGNAGE FOR BEGIN AND END PROJECT AND SIDE ROADS PER DETAILS.
2. INSTALL EROSION CONTROL DEVICES PER PLANS.
3. DETOUR NORTHBOUND TRAFFIC AND CONSTRUCT PROPOSED NORTHBOUND IMPROVEMENTS WHILE MAINTAINING ONE LANE OF SOUTHBOUND TRAFFIC.

MOT PHASE IIB

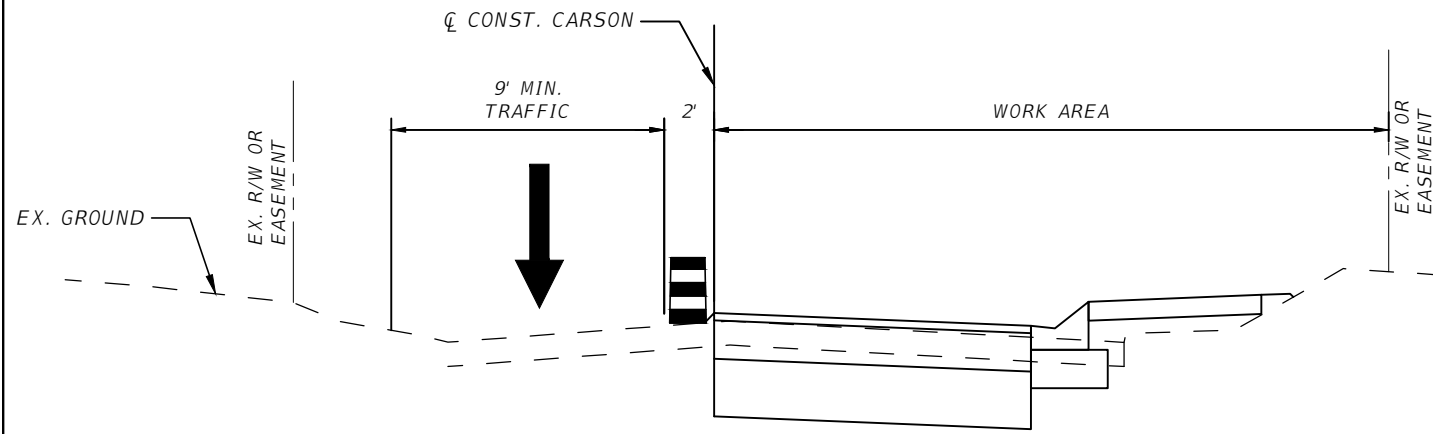
OBJECTIVE: CONSTRUCT SOUTHBOUND LANE AND ON-STREET PARKING ON CARSON DRIVE.

1. MODIFY TRAFFIC CONTROL SIGNAGE PER DETAILS.
2. DETOUR SOUTHBOUND TRAFFIC AND CONSTRUCT PROPOSED SOUTHBOUND IMPROVEMENTS WHILE MAINTAINING ONE LANE OF NORTHBOUND TRAFFIC.
3. INSTALL ALL PROPOSED PAVEMENT MARKINGS AND ROADWAY SIGNAGE.

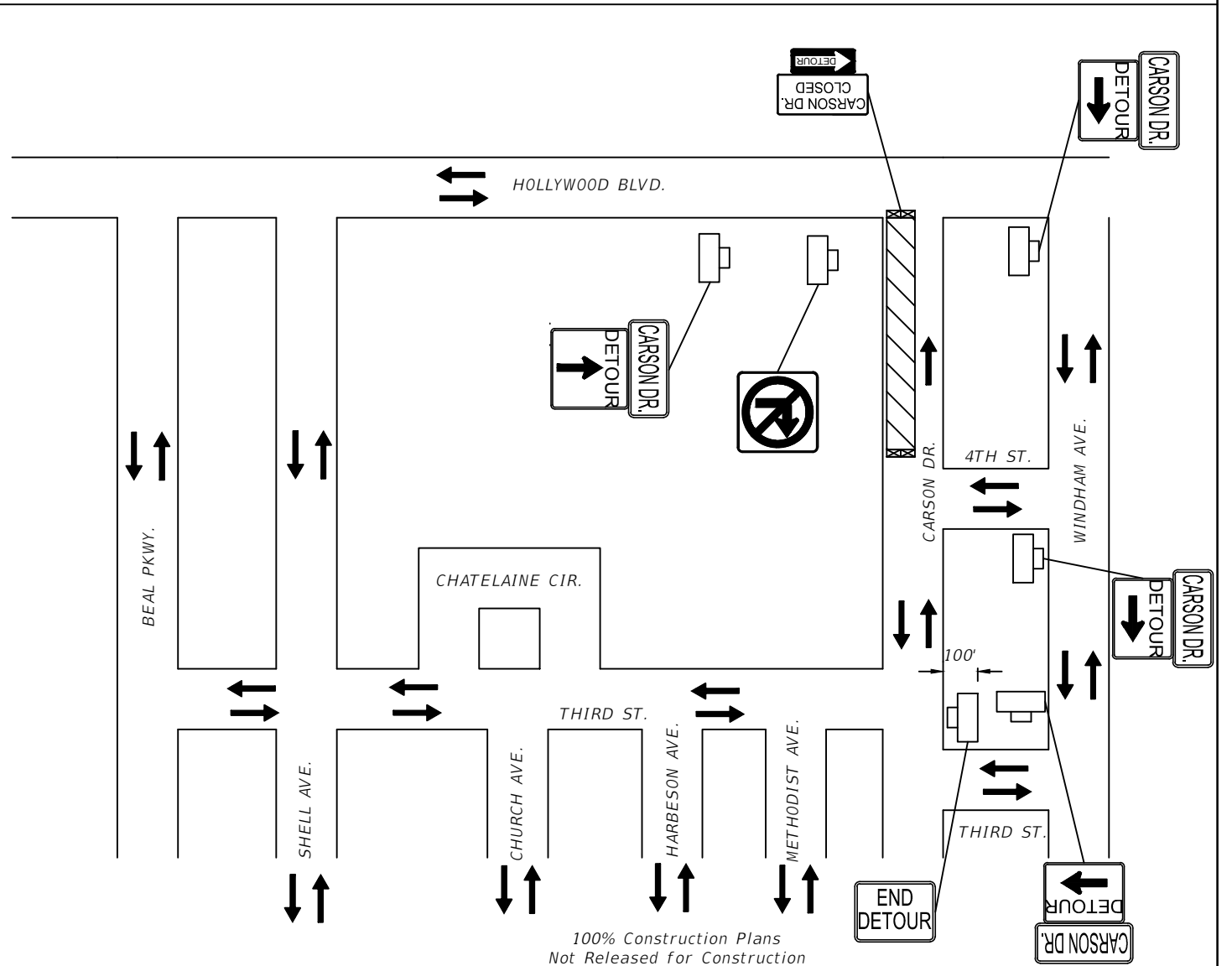
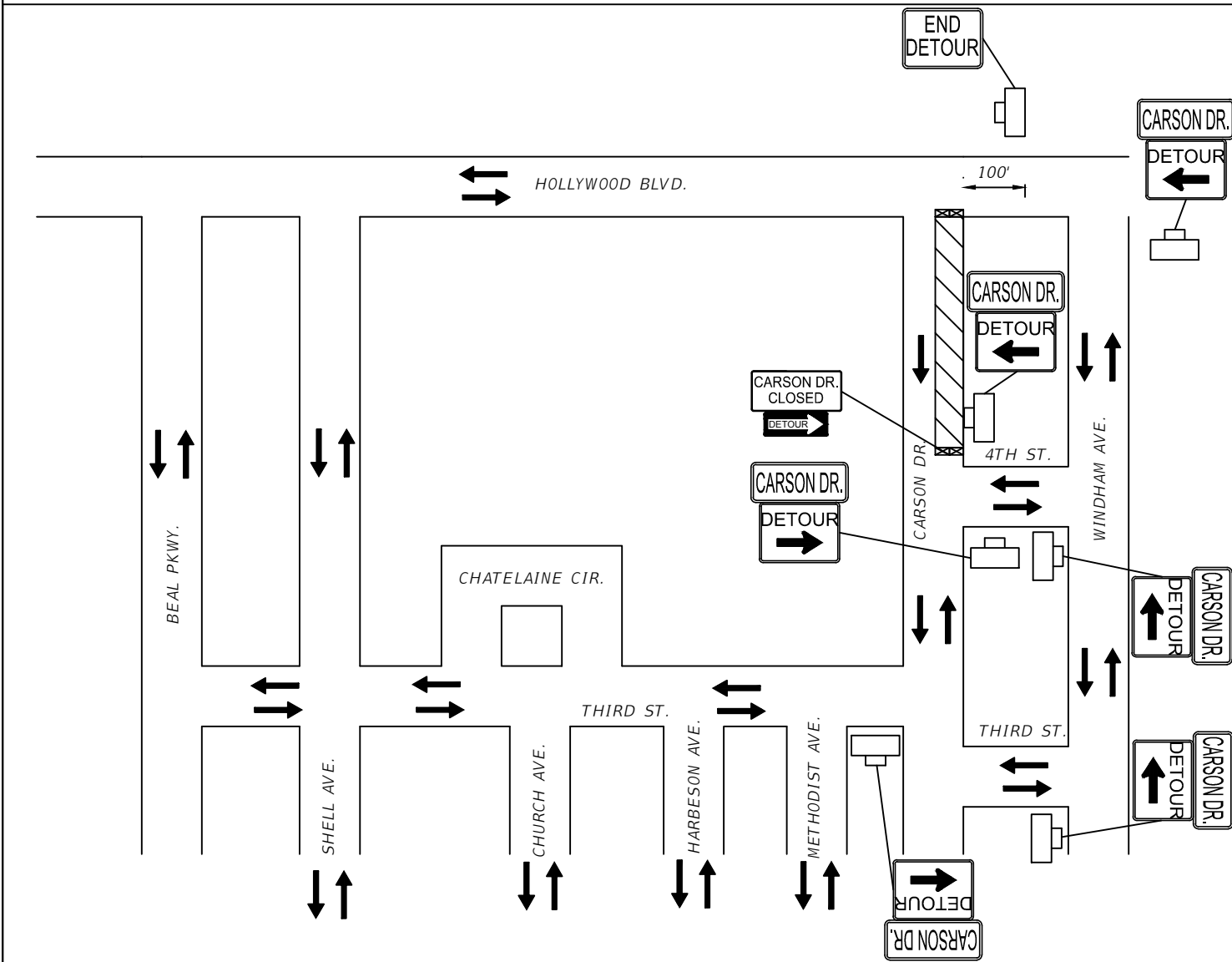
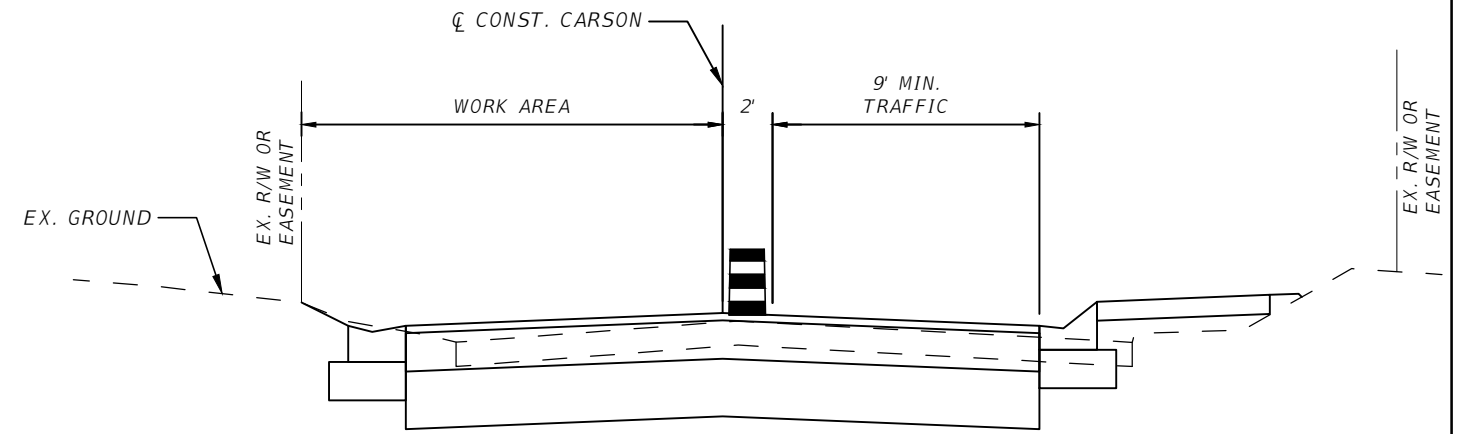
100% Construction Plans
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REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN ,P.E.# FL# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			<i>TRAFFIC CONTROL GENERAL & PHASING NOTES PHASE II</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.
						Carson	OKALOOSA		100044431

MOT PHASE IIA



MOT PHASE IIB



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REVISIONS

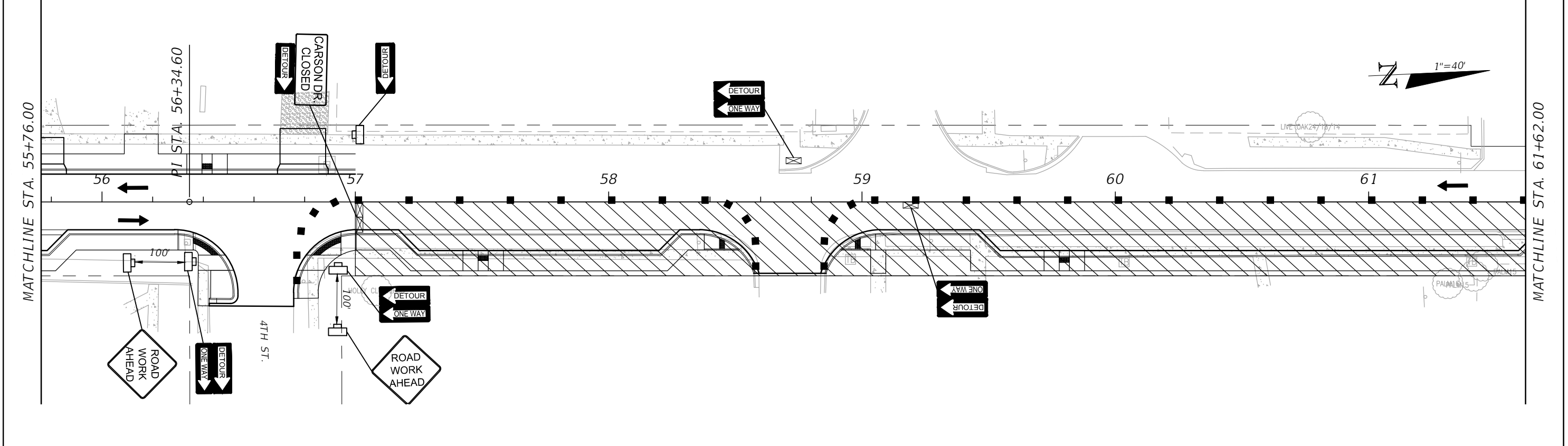
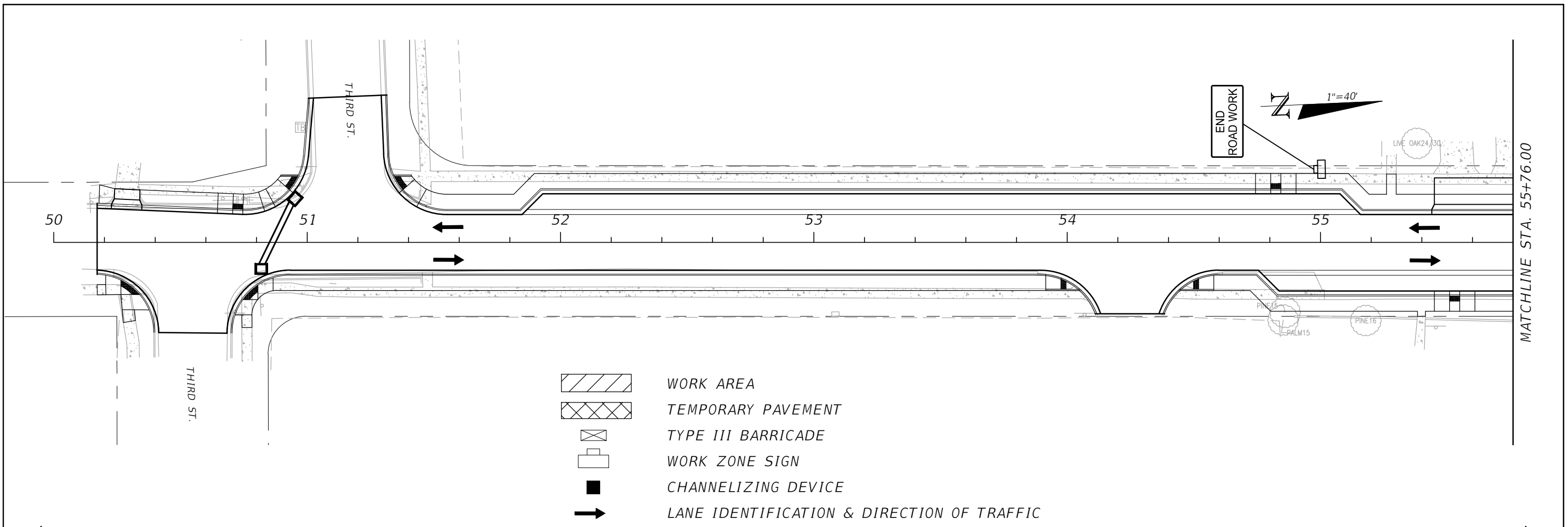
DATE	DESCRIPTION	DATE	DESCRIPTION

PROFESSIONAL OF RECORD:
KEVIN M. MORGAN, P.E. # FL# 71350
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FL 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

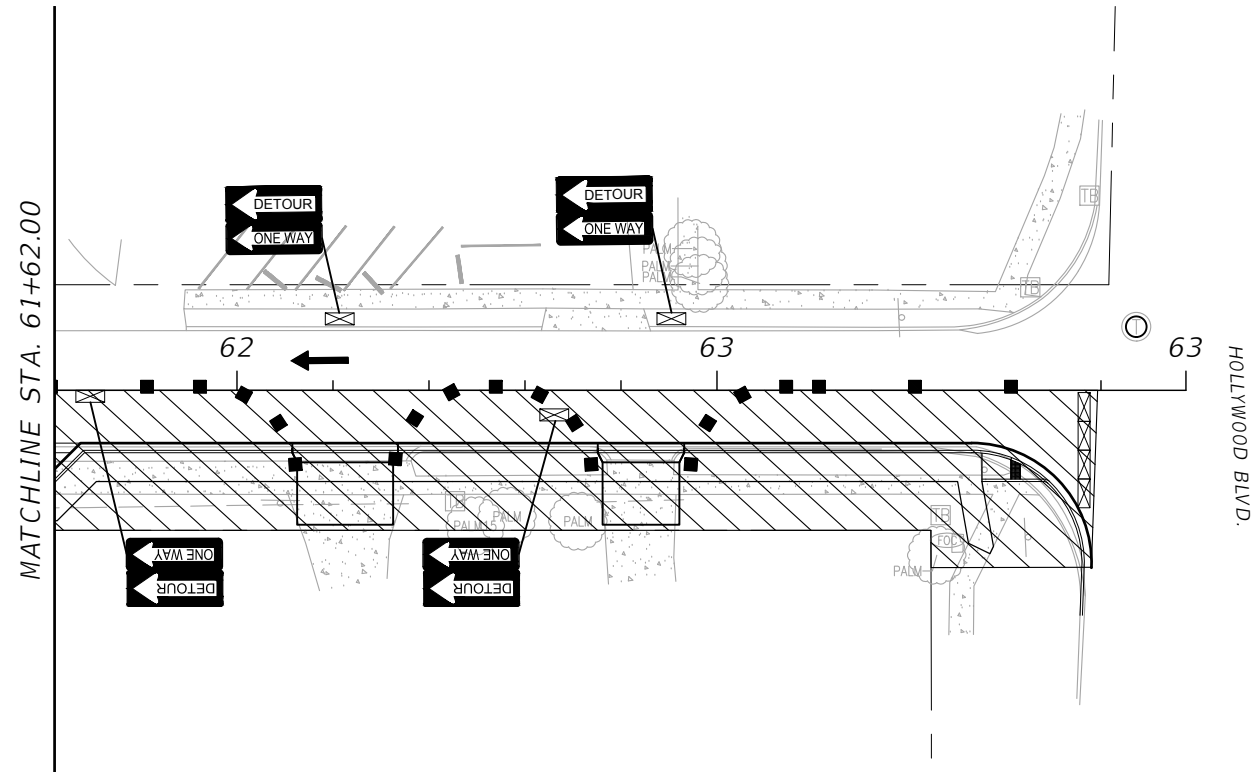
ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

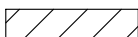





TCP DETOUR PLAN & TYPICAL SECTIONS PHASE II

SHEET NO.
C-601



REVISIONS				PROFESSIONAL OF RECORD: KEVIN M. MORGAN ,P.E.# 71350 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS		TRAFFIC CONTROL PLAN PHASE IIA	SHEET NO. C-602
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
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-  WORK AREA
-  TEMPORARY PAVEMENT
-  TYPE III BARRICADE
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE
-  LANE IDENTIFICATION & DIRECTION OF TRAFFIC

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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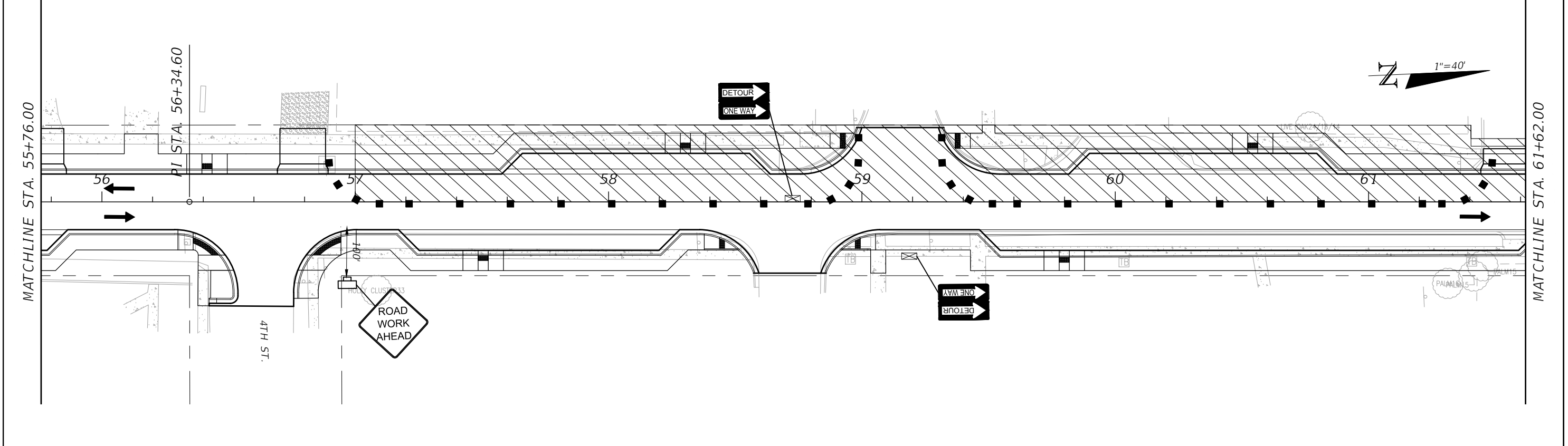
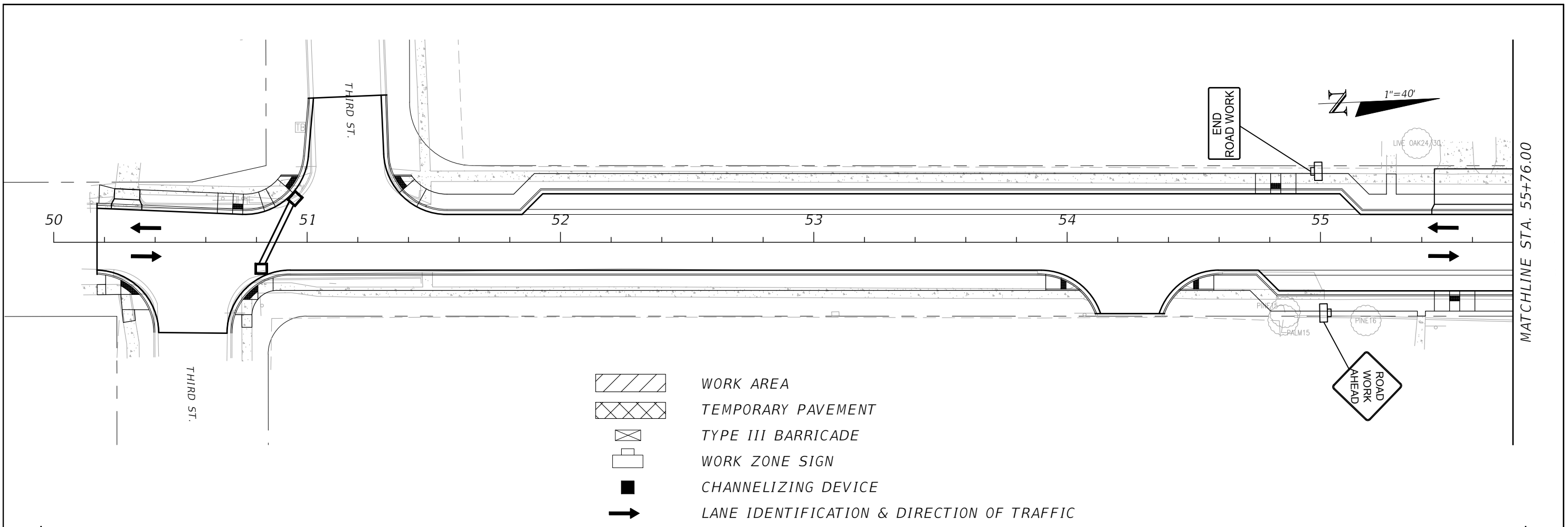
PROFESSIONAL OF RECORD:
 KEVIN M. MORGAN ,P.E.# FL# 71350
 2114 AIRPORT BLVD., SUITE 1450
 PENSACOLA, FL 32504
 PHONE NO. 850.478.9844
 CERTIFICATE OF AUTHORIZATION NO. 24



ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

TRAFFIC CONTROL PLAN
 PHASE IIA

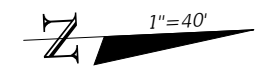
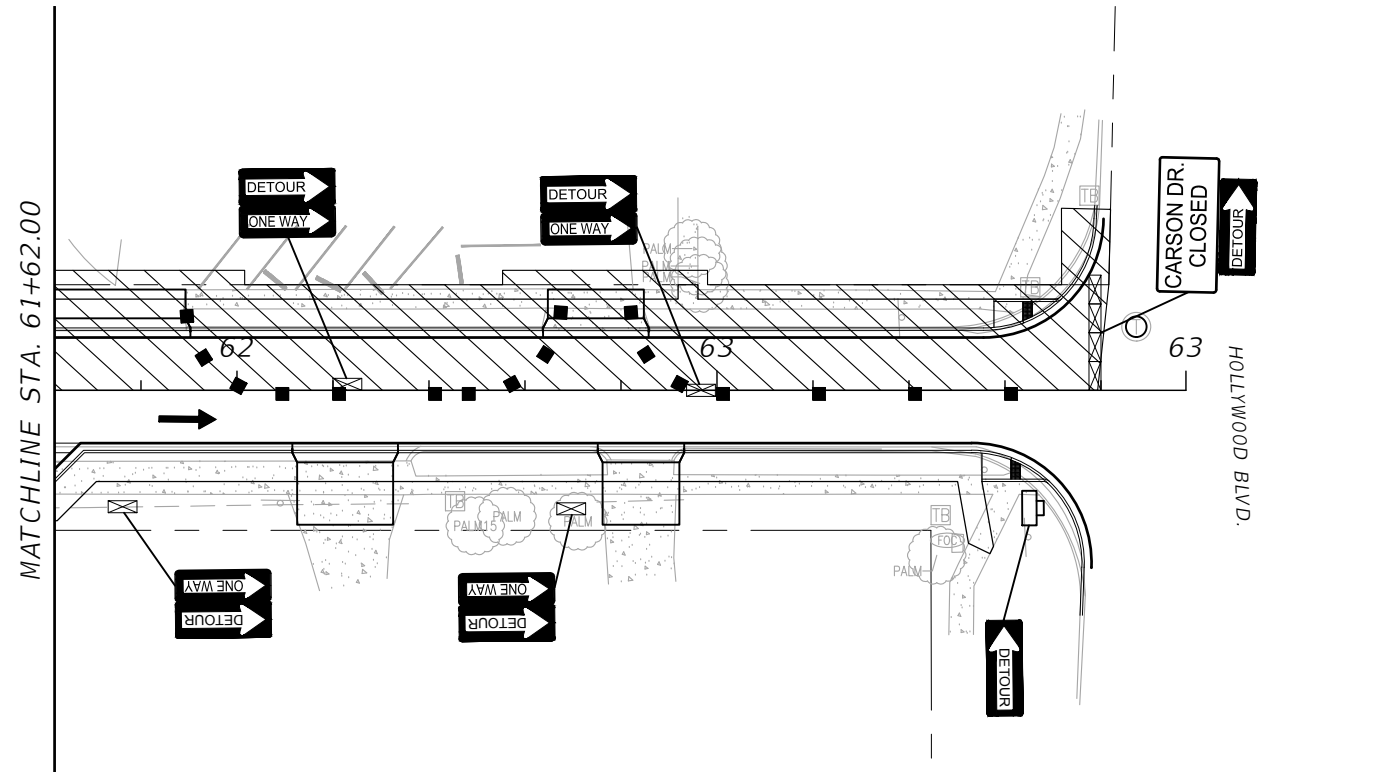
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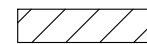







REVISIONS		PROFESSIONAL OF RECORD:		ATKINS	TRAFFIC CONTROL PLAN PHASE IIB	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
---	---			Carson	OKALOOSA	100044431
						C-604

KEVIN M. MORGAN, P.E. # FL# 71350
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431



-  WORK AREA
-  TEMPORARY PAVEMENT
-  TYPE III BARRICADE
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE
-  LANE IDENTIFICATION & DIRECTION OF TRAFFIC

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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 PHONE NO. 850.478.9844
 CERTIFICATE OF AUTHORIZATION NO. 24

ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Carson	OKALOOSA	100044431

TRAFFIC CONTROL PLAN
 PHASE IIB

SHEET NO.
 C-605

General Notes

- All construction shall be in accordance with the plans and written specifications. No substitutions shall be made without prior written approval by the owner's representative.
- Written dimensions shall take precedence over scaled dimensions. The Contractor shall verify and be responsible for all dimensions and conditions on the job. The owner's representative shall be notified of any variation from the dimensions and conditions shown on the plans.
- The Establishment Period for watering and maintenance by the Contractor shall be 365 days. The Contractor shall request an Establishment Period Inspection at the end of the 365 day Establishment Period. A representative from the City of Ft Walton Beach who is responsible for maintenance shall be in attendance at the establishment period inspection.
- Landscape materials shall be adjusted in the field to avoid conflicts with any (proposed or existing to remain) utility structures, drainage structures, ditches, under drains, ditch blocks, storm water management facilities, paving, drainage discharge paths, signage, overhead and underground utilities, lighting and their appurtenances. The Contractor shall not install the proposed improvements if a conflict exists. Any costs to remove and/or repair work installed that has not been approved by the owner's representative shall be at the Contractor's expense.
- The Contractor shall not bring any hazardous materials onto the project site. Should the Contractor require such for performing contracted work, the Contractor shall request, in writing, permission from the owner's representative in advance. The Contractor shall provide the owner's representative with a copy of the Material Safety Data Sheet (MSDS) for each hazardous material proposed for use. The owner's representative shall coordinate with the City prior to issuing written approval to the Contractor. Because State Law does not treat petroleum products that are properly containerized and intended for equipment use as a hazardous material, such products do not need a MSDS submittal. Any known or suspected hazardous material found on the project by the Contractor shall be immediately reported to the owner's representative, who shall direct the Contractor to protect the area of known or suspected contamination from further access. The owner's representative is to notify the City of the discovery. The City will arrange for investigation, identification and remediation of the hazardous material. The Contractor shall not return to the area of contamination until approval is provided by the owner's representative.
- No bare earth areas shall be visible after completion of the work. Sod all disturbed areas that are not landscaped/mulched or hardscaped with Common Bermuda Grass. The contractor shall verify the sod quantity prior to bidding.
- Landscape improvements shall be installed by the Contractor per the latest edition of FDOT Maintenance Supplemental Specification 580, and any Planting Specifications provided with the construction documents.
- The Contractor shall insure that, prior to moving on site, all equipment which last operated in areas known to be infested with noxious weeds is free of soil, seeds, vegetative matter, or other debris that could contain or hold seeds.
- Quantities on Landscape Plan are minimum only. Contractor is responsible for their own quantity take-off, and shall provide all plant material required to fill plant bed area at spacing shown on plant schedule.
- The Site Contractor shall strip and stockpile topsoil in a sufficient quantity to be able to respread the topsoil to a depth of 6" within all landscaped and turfed areas prior to any landscape and/or turf installation. If sufficient topsoil is not available for resspreading, the Landscape Contractor shall provide topsoil as necessary, in accordance with the latest edition of FDOT Standard Specifications 162 and 987. The topsoil used in the planting operation shall be a natural, friable, fine loam soil. It shall be certified to be free of weed seeds and pathogens. It shall also be free of litter, sod, clay, stones, roots and stumps. It shall have a pH between 6.0 to 7.0.
- Planting for all plant material and staking for all trees shall be in accordance with the latest edition of FDOT Design Standard Index 544.

Planting Bed Preparation

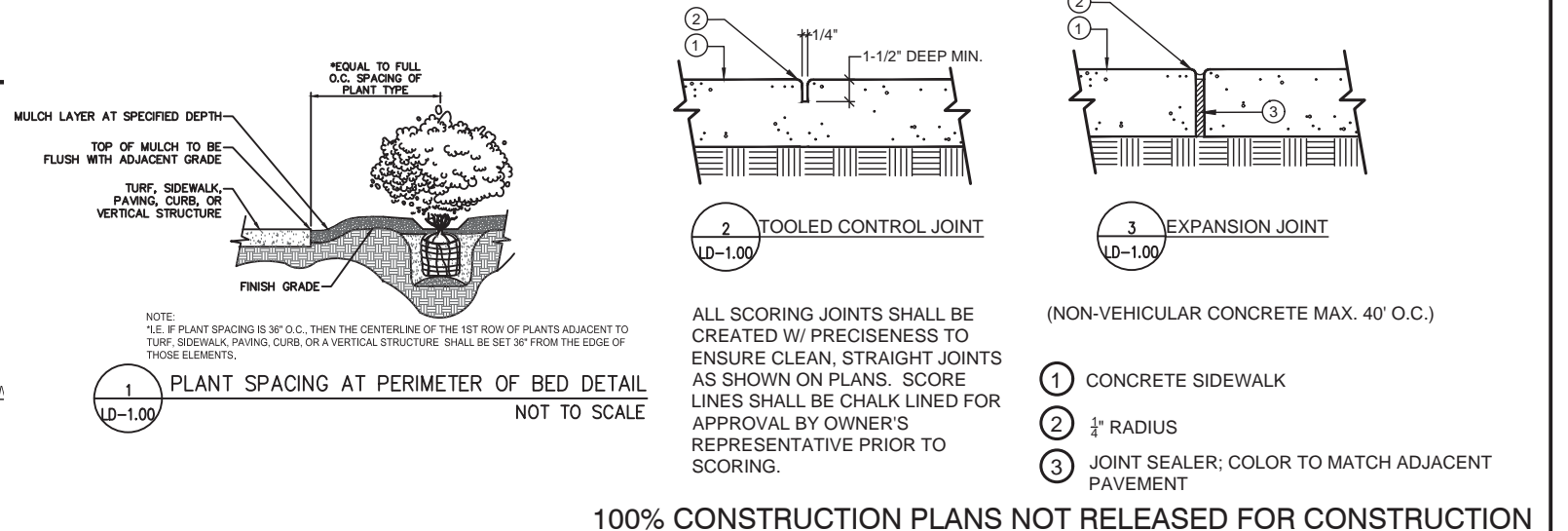
- All planting areas shall be stripped of all existing vegetation unless otherwise noted on the plans.
- All planting areas shall then be treated with a pre-emergent herbicide to assure that weeds will be controlled prior to planting. Herbicide instructions shall be followed as to treatment dilution, mix, application, and time periods between applications as applicable to assure weeds are eliminated from the planting beds prior to commencing planting. Herbicide treatment shall be in accordance with guidelines provided by the FDOT for chemical control.
- All soil amendments shall be added to the planting areas and thoroughly incorporated into the soil prior to commencing final grading and installation.

PLANT SCHEDULE PHASE II

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	SPECIFICATIONS	
	LA	5	LAGERSTROEMIA X 'MUSKOGEE'	LAVENDER CRAPE MYRTLE MULTI-TRUNK	30 GAL.	8'-10' HT.; MULTI-TRUNK	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	SPECIFICATION	
	MU	49	MUHLENBERGIA CAPILLARIS	PINK MUHLY	1 GAL.	FULL; 36" O.C.	
	RO	82	ROSA X 'CORAL DRIFT'	CORAL DRIFT ROSE	1 GAL.	FULL; 24" O.C.	
	ZA	11	ZAMIA FLORIDANA	COONTIE PALM	1 GAL.	FULL; 48" O.C.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	SPECIFICATION	SPACING
	CH	3,531 SF	CYNODON DACTYLON	COMMON BERMUDA GRASS	SOLID SOD	SOD	
	MULCH	1,415 SF	PINE STRAW	PINE STRAW MULCH	MULCH	3" DEPTH SETTLED	

Planting Notes

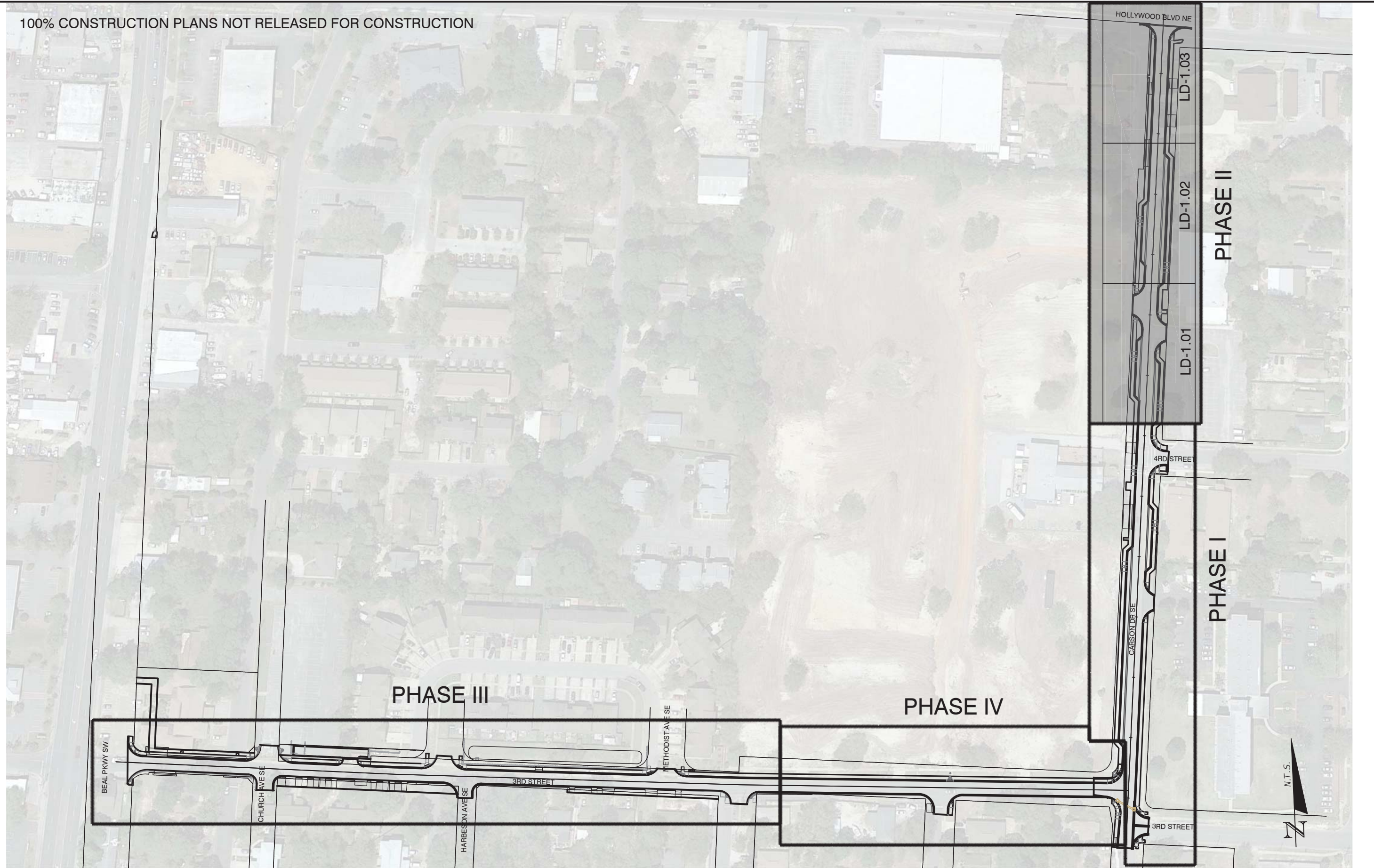
- The landscape contractor shall be responsible for attending a pre-bid meeting during which installation specifications, installation requirements, schedules, and maintenance requirements will be discussed.
- The landscape installation must be properly sequenced with other construction so that the landscape and irrigation is not damaged by other work/trades (and vice versa).
- The contractor shall verify the existence of and stake all utilities prior to construction. Excavation of plant pits located within 5' of utilities shall be performed by hand. Any utility/plant material conflicts shall be brought to the attention of the owner's representative prior to installation or any field adjustments.
- The contractor shall supply all plant materials in quantities sufficient to complete the plantings shown on all drawings. All plants shall meet size, container, and spacing specifications as shown in the plant schedule. The contractor shall guarantee plant health and survivability for one year from date of project acceptance by the owner's representative. Any material not meeting specifications or displaying poor health shall be replaced at contractor's expense within 2 weeks of notice.
- All plant material shall be Florida No. 1 or better (unless otherwise noted) as set forth in "Grades and Standards for Nursery Plants", State of Florida, latest edition standards and designations. Notify the owner's representative a minimum of one week prior to plant delivery to schedule on-site inspection upon delivery. Installed plant material not meeting specifications shall be removed and replaced at contractor's expense. All plants must be brought to the site free of weeds. Additionally, the contractor shall provide the owner's representative with representative plant photos to approve for all plant materials prior to any plant delivery. Measuring sticks shall be shown in photos, as appropriate.
- All plant materials indicated with a gallon size shall be container grown and within a container appropriate for the plant size. Root bound plants shall not be accepted. No substitutions shall be permitted without prior approval of the owner's representative.
- The owner's representative reserves the right to make planting bed field changes to accommodate site conditions and to achieve the design intent. The landscape contractor shall flag all tree and bedline locations for approval by the owner's representative prior to any installation.
- Bed preparation: Loosen soil to a minimum depth of four inches and remove all debris. Regrade the bed to its preplanting subgrade. Dig planting pits at 1.5 times the diameter of the pot. Fill plant pit with approved planting mix and compact so that the top of root ball will settle to the proper level relative to finish grade. Set plant and fill remainder of hole with planting mix. Fertilize each plant with the approved type and rate of fertilizer. Water in thoroughly. Reset any plants that settle too deep. Remove spoil soil and rake the bed to its finish grade. Cover all bed areas with the specified mulch depth. Remove all debris from the mulch. Water bed thoroughly. If/where applicable, each newly planted tree not within a shrub/groundcover bed shall be centered within a layer of mulch 6' in diameter and 3" depth (settled). All pine straw shall be from the 'improved slash' pine tree with a minimum needle length of eight inches.
- The landscape contractor shall conduct representative soil analysis prior to the installation of any plant material. The landscape contractor shall notify the owner's representative of any improper soil condition (nutritional deficiencies, wetness, muck, debris, etc.) and shall recommend for approval, prior to installation, all soil amendments that may be necessary to promote healthy, vigorous plant growth.
- The landscape contractor shall repair or replace any existing vegetation intended to remain that is disturbed by plant material installation activities. This repair/replacement shall blend seamlessly with the existing landscape.
- The landscape contractor shall coordinate with all other trades (and plans), as necessary, in preparing planting areas, including final grade elevations.
- All plant material must be planted immediately upon delivery to the site and watered in (by hand if the irrigation system is not functioning properly). Any plant material not installed within 6 hours of delivery to the site must be stored in an approved, protected holding area and shall be watered as necessary to maintain plant health and quality.
- The landscape contractor shall notify the owner's representative a minimum of 48 hours prior to completion to schedule a final walk through. A final walk through shall not be performed if previous punch lists are not completed.
- The landscape contractor shall be responsible for maintaining all plantings until final acceptance by the owner's representative. This maintenance includes keeping beds free of debris, weeds, diseases, and infestations. The landscape contractor shall also be responsible for providing sufficient water to the plants during this time.
- The landscape contractor shall supply the owner's representative with as-built drawings in ACAD format (2010 version or later) within 30 days of project acceptance.
- Refer to current FDOT Standard Specifications and Design Standard Indices, the General Notes, and the Specifications for additional requirements. Where conflicts exist, the more stringent standards and specifications shall apply.



100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION

REVISIONS				PROFESSIONAL OF RECORD: BRUCE W. BRODSKY, R.L.A.# LA0001742 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24	ATKINS			PHASE II LANDSCAPE GENERAL NOTES, PLANTING BED PREPARATION, PLANTING NOTES, PLANT SCHEDULE, AND DETAILS	SHEET NO. LD-0.01
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					Third St.	OKALOOSA	100044431		

100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION



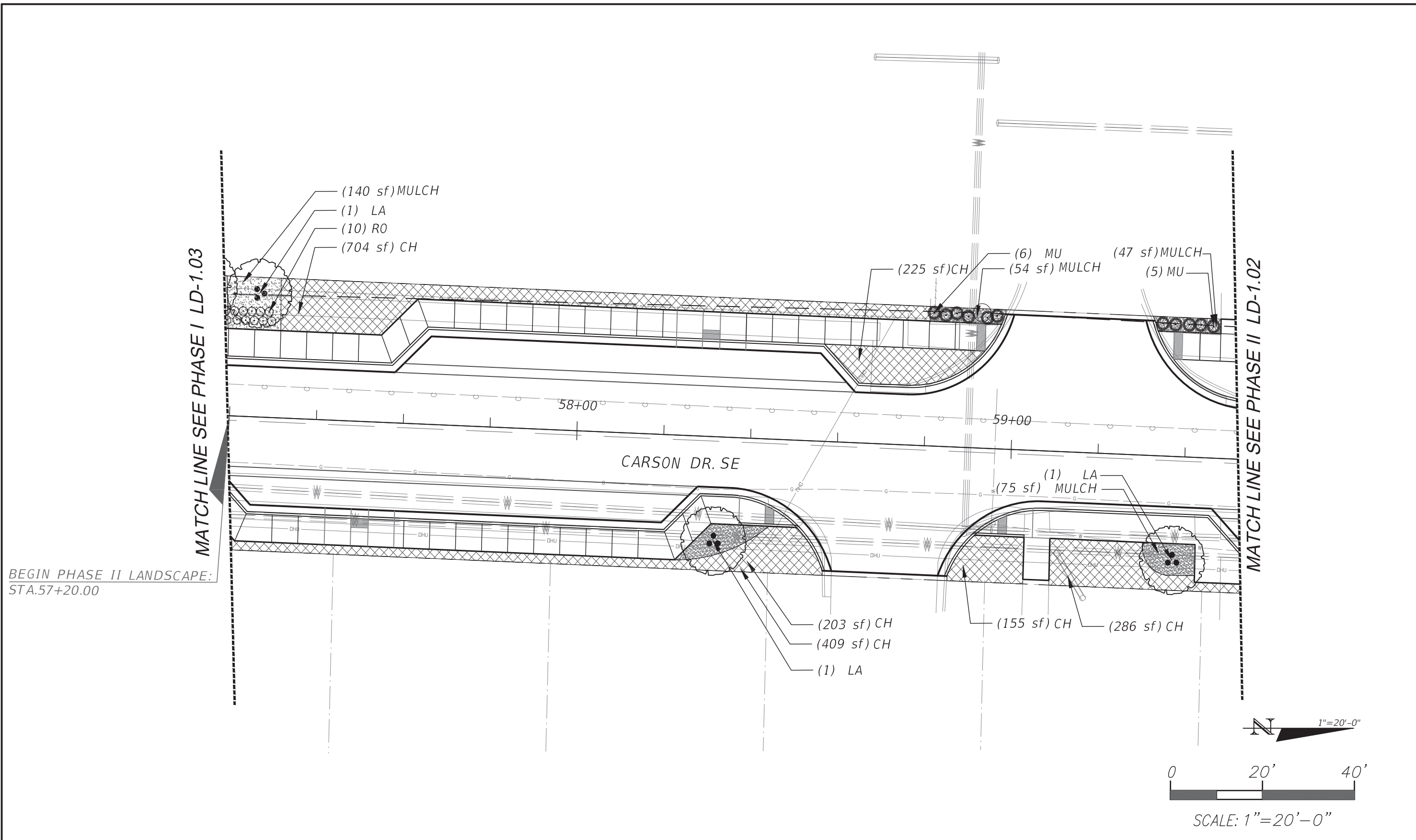
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROFESSIONAL OF RECORD:
 BRUCE W. BRODSKY, R.L.A.# LA0001742
 2114 AIRPORT BLVD., SUITE 1450
 PENSACOLA, FL 32504
 PHONE NO. 850.478.9844
 CERTIFICATE OF AUTHORIZATION NO. 24

ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Third St.	OKALOOSA	100044431

PHASE II KEY MAP

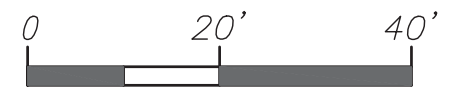
SHEET NO.
LD-0.02



BEGIN PHASE II LANDSCAPE:
STA. 57+20.00

MATCH LINE SEE PHASE I LD-1.03

MATCH LINE SEE PHASE II LD-1.02



SCALE: 1"=20'-0"

100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION

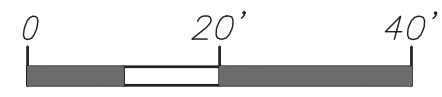
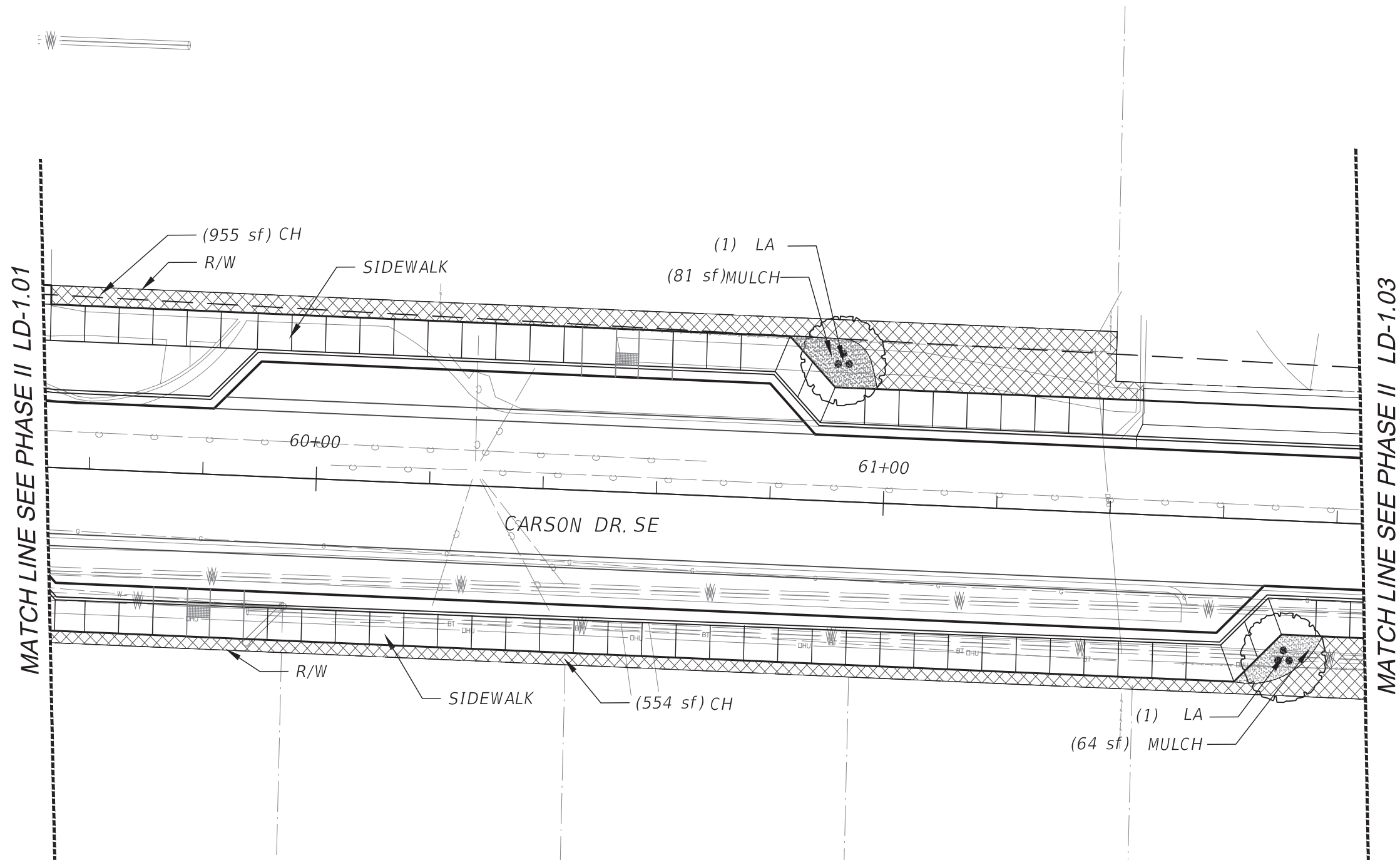
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ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Third St.	OKALOOSA	100044431

PHASE II LANDSCAPE PLANS

SHEET NO.
LD-1.01



SCALE: 1"=20'-0"

100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

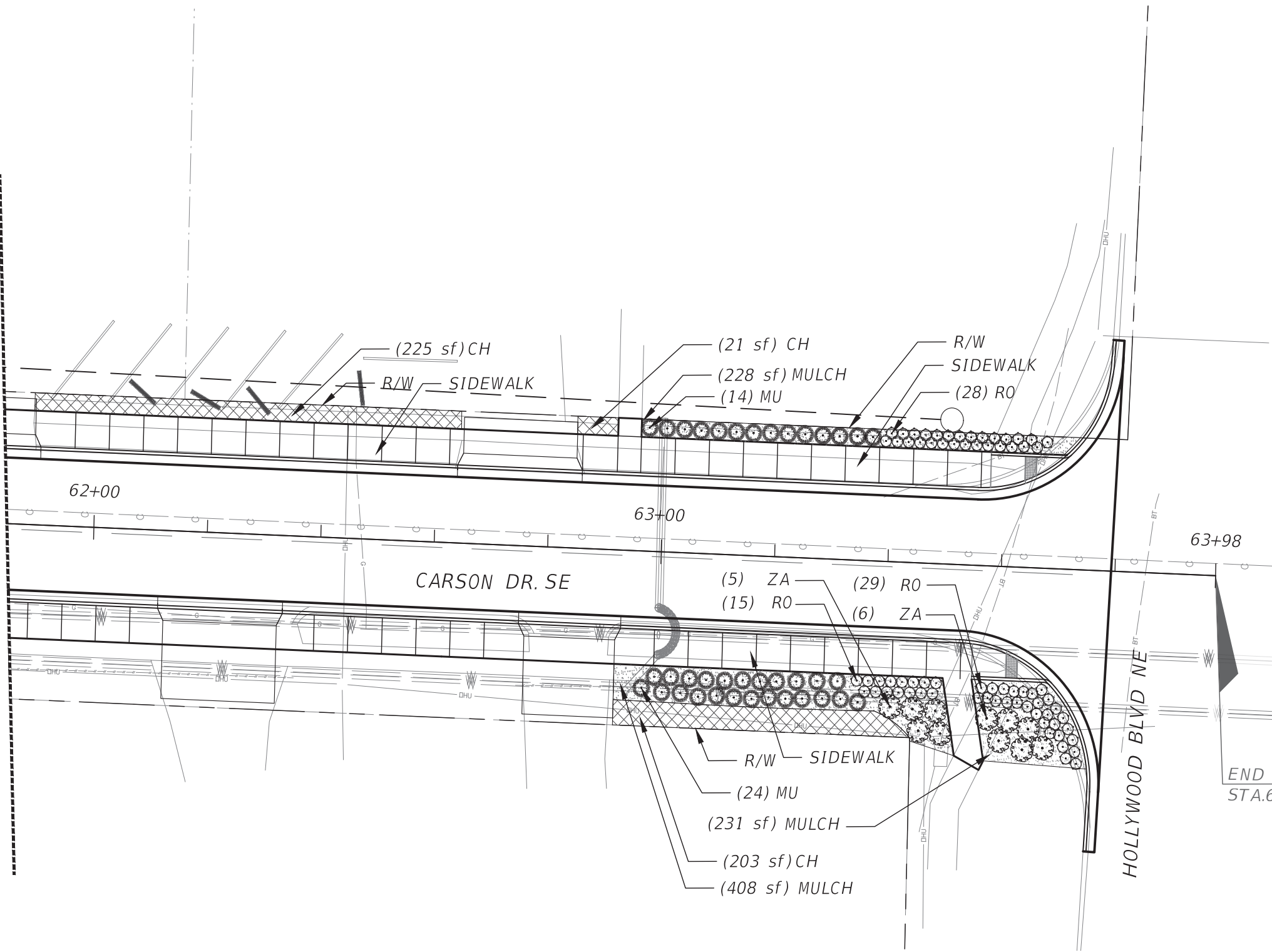
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Third St.	OKALOOSA	100044431

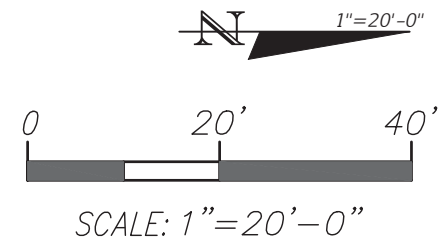
PHASE II LANDSCAPE PLANS

SHEET NO.
LD-1.02

MATCH LINE SEE PHASE II LD-1.02



END PHASE II LANDSCAPE:
STA.63+97.71



100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION

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ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Third St.	OKALOOSA	100044431

PHASE II LANDSCAPE PLANS

SHEET NO.
LD-1.03

Irrigation Notes

- PERMANENT IRRIGATION SHALL BE INSTALLED FOR ALL LANDSCAPE (EXCLUDING TURF) SHOWN ON THE PLANS. AS LONG AS IRRIGATION COVERAGE IS COMPLETE, THE CONTRACTOR/IRRIGATION INSTALLER SHALL BE ALLOWED TO DETERMINE THE MOST EFFECTIVE METHOD OF PROVIDING IRRIGATION COVERAGE UTILIZING SPRAY HEADS, RISERS, DRIP, AND BUBBLERS. THE CONTRACTOR SHALL PROVIDE A METERED TAP ON ANY WATER LINE USED AS THE IRRIGATION SOURCE. A LOCKABLE CABINET CONTROLLER SHALL BE PROVIDED BY THE CONTRACTOR AND ITS LOCATION DETERMINED IN CONJUNCTION WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL OBTAIN THE LOCATIONS OF POINT OF CONNECTION FOR WATER AND POWER SOURCE FROM CITY. CONTRACTOR SHALL COORDINATE WITH CITY FOR THE CONNECTION TO THE EXISTING WATER AND POWER SOURCE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED AS A DESIGN-BUILD PORTION OF THE WORK PERFORMED BY THE CONTRACTOR. THE SYSTEM MUST BE DESIGNED/ZONED SO THAT ALL IRRIGATION CAN OCCUR BETWEEN THE HOURS OF 1:00 A.M. AND 6:00 A.M.
- THE CONTRACTOR SHALL FURNISH THE OWNER'S REPRESENTATIVE WITH SHOP DRAWINGS AND SCHEMATIC DESIGN PLANS INDICATING FULL COVERAGE OF IRRIGATED AREAS. THE SHOP DRAWINGS MUST INCLUDE PROPOSED SLEEVING LOCATIONS/SIZES. ALL TREES SHALL HAVE 2 BUBBLERS.
- PERMANENT SLEEVES SHALL BE INSTALLED BY THE CONTRACTOR AS NECESSARY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL BORINGS AND CASINGS, AS NEEDED. THE CONTRACTOR IS RESPONSIBLE, AT THEIR EXPENSE, TO REPAIR ANY AND ALL DAMAGE CAUSED TO ANY ROADWAY OR ANY/ALL OTHER AREAS, OR UTILITIES AS A RESULT OF THE BORINGS OR ANY OTHER IRRIGATION WORK.
- THE INSTALLER SHALL BE EXPECTED TO MAKE IRRIGATION SYSTEM FIELD ADJUSTMENTS ON THE SITE AS NEEDED, IN ORDER TO MAINTAIN COMPLETE AND ACCURATE IRRIGATION COVERAGE, AND TO MAINTAIN THE INTENT OF THE DESIGN. THE FINAL LOCATIONS FOR ALL MAJOR EQUIPMENT (AS APPLICABLE), INCLUDING CONTROLLERS, VALVES, WELLS, SUPPLY CONNECTIONS, MAINLINES, METERS, ETC. SHALL BE DETERMINED IN THE FIELD, STAKED OUT BY THE CONTRACTOR USING THEIR DRAWINGS AS A GUIDE, AND THEN APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- OVERSPRAY ONTO ANY PAVED SURFACE IS NOT ALLOWED TO OCCUR. THE IRRIGATION SYSTEM SHALL BE INSTALLED IN SUCH A FASHION AND BE OF A TYPE THAT CAN BE ADJUSTED TO THROW IRRIGATION WATER AWAY FROM ALL PAVED SURFACES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH PREVAILING CODES AND REGULATIONS. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO VERIFY AND CONFORM TO THE PARTICULAR CODES FOR THIS LOCATION. THE INSTALLER SHALL OBTAIN ALL NECESSARY PERMITS (INCLUDING THOSE FOR BORES, AND ANY WATER LINE TAPS), UTILITY LOCATES, AND INSPECTIONS.
- ALL WORK SHALL BE CLOSELY COORDINATED WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS. THE INSTALLATION SHALL BE COORDINATED WITH ALL NEW AND EXISTING IMPROVEMENTS, AND WITH THE ACTUAL INSTALLED BED LIMITS, AND PLANT LOCATIONS.
- ALL MATERIAL AND LABOR NECESSARY TO PROVIDE A COMPLETE, FULLY OPERATIONAL, AND GUARANTEED SYSTEM SHALL BE CONSIDERED PART OF THE WORK, WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED IN THE SUBMITTED DOCUMENTS. THIS SHALL INCLUDE CONFORMANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS OF THE VARIOUS MANUFACTURERS OF THE EQUIPMENT, AND WITH APPLICABLE TRAINING AND CERTIFICATION OF INSTALLATION PERSONNEL.
- METALLIC LOCATOR/WARNING TAPE SHALL BE BURIED ABOVE ALL WIRING AND PIPING.
- VALVE BOXES SHALL BE TAMPER-RESISTANT TYPE.
- ALL SPRINKLER HEADS SHALL BE OF THE PROPER SIZE AND TYPE FOR THE LOCATION AND PLANT MATERIAL. HEADS SHALL BE INSTALLED PLUMB, AND WITH THE PROPER HEIGHT WITH RESPECT TO GRADE AND/OR PLANT MATERIAL. ALL HEADS AND OTHER EQUIPMENT SHALL BE INSTALLED WITH ADEQUATE AND UNIFORM CLEARANCES FROM ALL PAVING, CURBS, SIDEWALKS, WALLS, AND OTHER OBSTACLES, SO THAT DAMAGE TO EQUIPMENT DOES NOT OCCUR DURING NORMAL LANDSCAPE MAINTENANCE OPERATIONS. ALL SPRINKLERS SHALL BE ADJUSTED TO OBTAIN OPTIMAL COVERAGE OF PLANT MATERIAL, WHILE ELIMINATING OVERSPRAY ONTO WALLS, PAVING OR OTHER IMPERVIOUS SURFACES. THE INSTALLER SHALL UTILIZE THE PROPER SPRAY NOZZLE PATTERN FOR THE LOCATION, AS WELL AS PRESSURE-COMPENSATING HEADS OR SCREENS, AND ADJUSTABLE-PATTERN NOZZLES WHERE A FIXED PATTERN IS NOT SUITABLE TO CONTROL COVERAGE OR OVERSPRAY.
- CONTROLLER(S) SHALL BE HOOKED UP BY A LICENSED ELECTRICIAN.
- THE CONTROLLER(S) SHALL BE EQUIPPED WITH A PROPERLY LOCATED AND INSTALLED RAIN SHUTOFF SENSOR DEVICE THAT COMPLIES WITH FLORIDA LAW. THE SENSOR(S) SHALL BE LOCATED IN SUCH A MANNER SO THAT THEY ARE UNOBSTRUCTED, AND DIRECTLY EXPOSED TO NATURAL RAINFALL AND SUNLIGHT FROM ALL DIRECTIONS, BUT NOT TO RUNOFF WATER FROM DITCHES OR OTHER SURFACES.
- THE MINIMUM SUPPLY REQUIREMENTS FOR THE SYSTEM SHALL BE DETERMINED BY THE CONTRACTOR AND STATED ON THE DESIGN-BUILD PLANS AND SHOP DRAWINGS.
- THE INSTALLER SHALL BE EXPECTED TO BE FAMILIAR WITH ALL REQUIREMENTS FOR THE WORK, AND TO CONDUCT THE WORK IN A CLEAN, SAFE, AND WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO ACT TO PROTECT HIS PROPERTY AND THE OTHER PERSONNEL AT WORK THERE, AND TO MAKE EMERGENCY REPAIRS OR TAKE CORRECTIVE ACTION IF THE INSTALLER DOES NOT FULFILL HIS OBLIGATIONS IN A TIMELY MANNER. THE OWNER FURTHER RESERVES THE RIGHT TO BACK-CHARGE THE INSTALLER TO COVER SUCH EXPENSES, TO THE EXTENT ALLOWED UNDER APPLICABLE LAW.
- THE INSTALLER SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR PROVISION OF ELECTRIC SERVICE REQUIREMENTS.
- ANY EXISTING IRRIGATED AREAS THAT ARE ADJACENT TO THE NEW CONSTRUCTION MUST REMAIN UNDISTURBED AND FULLY FUNCTIONAL. ANY DISRUPTION BY THE CONTRACTOR TO THE EXISTING IRRIGATION COVERAGE MUST BE CORRECTED BY THE CONTRACTOR AT THEIR EXPENSE.
- THE LANDSCAPE CONTRACTOR SHALL SUPPLY THE OWNER'S REPRESENTATIVE WITH DETAILED AND PROPERLY SCALED IRRIGATION AS-BUILT DRAWINGS IN ACAD FORMAT (2010 VERSION OR LATER) WITHIN 30 DAYS OF PROJECT ACCEPTANCE. THE AS-BUILTS MUST INCLUDE ALL SYSTEM COMPONENTS AND THEIR SIZES.

365-day Establishment Period Maintenance Plan

THE FOLLOWING OPERATIONS SHALL BE PERFORMED BY THE CONTRACTOR DURING THE 365 DAY MAINTENANCE PERIOD FOR ALL OF THE LANDSCAPE, TURF AREA, AND IRRIGATION INSTALLED PER THE PLANS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROPER MAINTENANCE, SURVIVAL AND CONDITION OF ALL LANDSCAPE AND IRRIGATION ITEMS FOR A PERIOD OF ONE YEAR AFTER THE FINAL ACCEPTANCE OF ALL INSTALLATION WORK UNDER THE CONTRACT. AT A MINIMUM, MAINTENANCE SHALL OCCUR WEEKLY FROM APRIL THROUGH OCTOBER, AND TWICE A MONTH FROM NOVEMBER THROUGH MARCH. THE CONTRACTOR SHALL INCLUDE THIS 365-DAY MAINTENANCE WITHIN THEIR BID.

- MOWING: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MOW THE CONTRACT AREA ON A CYCLE SUFFICIENT TO MAINTAIN THE TURF AT A HEIGHT BETWEEN 2.0" TO 2.5". THE TURF SHALL BE MOWN WHEN REACHING A HEIGHT BETWEEN 3.0" TO 3.5". HAND CUTTING AROUND OBSTRUCTIONS (SIGNS, HEADWALLS, LIGHT POLES, AND LIKE ITEMS) AND LITTER PICKUP SHALL BE INCIDENTAL TO THE MOWING PERFORMED EACH CYCLE. THE LAST CYCLE OF MOWING SHALL BE PERFORMED AFTER THE FINAL CLEANUP OF THE PROJECT.
- FERTILIZER: DURING THE ESTABLISHMENT PERIOD, BASED ON PLANT GROWTH MONITORING AND SOIL ANALYSIS.
- WEEDING/EDGING:
 - WEEDING - ALL PLANTING AREAS SHALL REMAIN WEED FREE DURING THE ESTABLISHMENT PERIOD. MANUAL REMOVAL OF WEEDS IS PREFERABLE TO CONTROL BY HERBICIDE.
 - EDGING - MECHANICALLY EDGE ALL PLANTING BEDS THAT ARE ADJACENT TO PAVING AND TURF AREAS AT EVERY MOWING CYCLE.
- HERBICIDES/PESTICIDES:
 - A. ALL PERSONNEL INVOLVED IN THE CHEMICAL PROGRAM ARE TO RECEIVE PROPER TRAINING AND FOLLOW THE OPERATING GUIDELINES PROVIDED BY FDOT FOR CHEMICAL CONTROL. CONTACT THE LOCAL COUNTY AGRICULTURAL EXTENSION SERVICE FOR ADDITIONAL INFORMATION REGARDING HERBICIDES, PESTICIDES AND REQUIRED LICENSES.
 - B. REMOVE MECHANICALLY OR BY HERBICIDE TREATMENT ALL INVASIVE EXOTIC SPECIES FOUND DURING THE ESTABLISHMENT PERIOD.
 - C. PROVIDE PLANT MATERIAL INSECT AND DISEASE CONTROL INSPECTIONS CONTINUALLY DURING THE ESTABLISHMENT PERIOD AND TREAT AS NECESSARY.
- PRUNING: PRUNE ALL PLANTS AS NECESSARY TO MAINTAIN PROPER FORM, HEALTH AND VIGOR DURING THE ESTABLISHMENT PERIOD.
- MULCH (3" DEPTH SETTLED):
 - A. AT ALL TREES OUTSIDE OF A PLANTING BED (IF APPLICABLE), A 6 FOOT DIAMETER RING OF PINE STRAW MULCH SHALL BE MAINTAINED; AND IN ALL PLANTING BEDS, PINE STRAW MULCH SHALL BE MAINTAINED CONTINUALLY.
 - B. REPLENISH PINE STRAW MULCH (1.5 INCHES DEPTH) ONE MONTH BEFORE THE END OF THE ESTABLISHMENT PERIOD.
- IRRIGATION: MAINTAIN THE IRRIGATION SYSTEM, AND PROVIDE SUFFICIENT WATER TO ENSURE PLANT MATERIAL HEALTH DURING THE ESTABLISHMENT PERIOD.
- LITTER PICK-UP: DURING THE ESTABLISHMENT PERIOD, ENSURE LITTER PICKUP REGULARLY INCLUDING PRIOR TO EACH MOWING CYCLE.
- STAKING: CONTRACTOR SHALL MAINTAIN ALL TREE STAKING FOR THE DURATION OF THE ESTABLISHMENT PERIOD. CONTRACTOR SHALL REMOVE ALL ABOVEGROUND TREE STAKING UPON FINAL ACCEPTANCE AT THE END OF THE ESTABLISHMENT PERIOD.



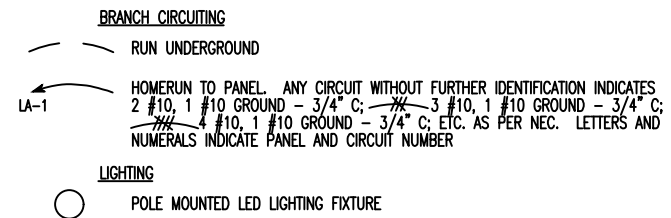
100% CONSTRUCTION PLANS NOT RELEASED FOR CONSTRUCTION

REVISIONS				PROFESSIONAL OF RECORD: BRUCE W. BRODSKY, R.L.A.# LA0001742 2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FL 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24				PHASE II IRRIGATION GENERAL NOTES & 365 -DAY ESTABLISHMENT PERIOD MAINTENANCE PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							ROAD NO.
						Third St.	OKALOOA			100044431

ELECTRICAL GENERAL NOTES

1. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
2. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
3. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE, THE NATIONAL ELECTRIC CODE, AND UFC PUBLICATIONS. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
4. THE GENERAL CONTRACTOR SHALL NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS/DISCREPANCIES BETWEEN DISCIPLINES BEFORE ORDERING EQUIPMENT/MATERIALS.
5. ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER UNLESS NOTED OTHERWISE.
6. ALL ELECTRICAL WORK AND MATERIALS USED IN THIS PROJECT SHALL BE NEW, UNDERWRITERS' LABORATORIES (UL) LISTED AND LABELED, AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
7. THE CONDUIT SYSTEMS UTILIZED SHALL BE AS FOLLOWS:
 - A) BELOW GRADE - PVC SCHEDULE 80
 - B) TRANSITIONS FROM BELOW GRADE (WHICH SHALL INCLUDE A 'RSC' FACTORY 90 DEGREE ELBOW) TO ABOVE GRADE AND/OR THRU SLAB - RIGID GALVANIZED STEEL (RGS)
 - C) INTERIOR OF BUILDING CONDUITS - ELECTRIC METALLIC TUBING (EMT) UNLESS NOTED OTHERWISE.
 - D) EXTERIOR OF BUILDING EXPOSED ABOVE FINISHED GRADE - RIGID STEEL CONDUIT (RSC) OR INTERMEDIATE METEALLIC CONDUIT (IMC) UNLESS NOTED OTHERWISE
8. ALL NEW CONDUITS RUN UNDERGROUND SHALL HAVE A MINIMUM BURIAL DEPTH OF 36" UNLESS NOTED OTHERWISE
9. NEW CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE
10. PAINT ALL NEW EXPOSED SURFACE RUN CONDUITS TO MATCH COLOR OF SURFACE UPON WHICH THEY ARE PLACED.
11. WHERE CONFLICTS OCCUR ON ELECTRICAL DRAWINGS BETWEEN DRAWINGS, SPECIFICATIONS AND CODES, THE MOST STRINGENT REQUIREMENT THAT APPLIES SHALL BE ADHERED TO.
12. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
13. PROVIDE A NEW TYPED PANELBOARD DIRECTORY FOR ALL NEW PANELBOARDS MODIFIED UNDER THE SCOPE OF THIS PROJECT. HANDWRITTEN PANELBOARD DIRECTORIES IS UNACCEPTABLE.
14. INFORMATION SHOWN ON ONE SHEET IN THE CONSTRUCTION SET AND NOT SHOWN ON AN ASSOCIATED SHEET SHALL NOT ALLOW THE INFORMATION TO BE OMITTED FROM THE PROJECT. A RFI SHALL BE SUBMITTED FOR CLARIFICATION IF THERE ARE ANY DISCREPANCIES. COORDINATING WITH THE ENTIRE SET OF CONSTRUCTION DRAWINGS IS REQUIRED FOR A COMPLETE BUILDING INSTALLATION.
15. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
16. ALL FINISHES AND COLORS SHALL BE APPROVED BY CITY OF FORT WALTON BEACH PRIOR TO ORDERING MATERIALS.
17. ALL GROUNDING SHALL BE IN ACCORDANCE WITH NEC.

ELECTRICAL LEGEND



MISCELLANEOUS

ACS	ACCESS CONTROL SYSTEM
A.F.F.	ABOVE FINISH FLOOR
C.	CONDUIT
COR	CONTRACTING OFFICER REPRESENTATIVE
EMT	ELECTRICAL METALLIC TUBING
GND.	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
LFMC	LIQUID FLEXIBLE METAL CONDUIT
MTD.	MOUNTED
PVC	POLYVINYL CHLORIDE
RSC	RIGID STEEL CONDUIT
RGS	RIGID GALVANIZED STEEL
U.N.O.	UNLESS NOTED OTHERWISE
V.	VOLTS
WP	WEATHERPROOF

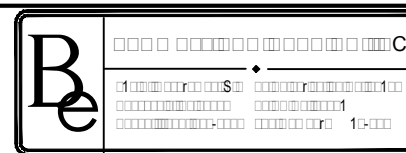
120/240 VOLT 1φ 3W 60 AMP MAIN BREAKER		CIRCUIT BREAKER PANEL SCHEDULE PANEL L						UNISTRUT MOUNTED NEMA 3R ENCLOSURE	
CKT	LOAD DESCRIPTION	BREAKER		LOAD KVA	BREAKER		LOAD DESCRIPTION	CKT	
		POLE	AMP		AMP	POLE			
1	THIRD STREET LIGHTS	2	20	.6	20	2	SPARE	2	
3	↑	↑	↑		↑	↑	↑	4	
5	SPARE	2	20		--	--	SPACE ONLY	6	
7	↑	↑	↑		--	--	SPACE ONLY	8	
9	SPACE ONLY	--	--		30	2	SURGE SUPPRESSOR	10	
11	SPACE ONLY	--	--		↑	↑	SPACE ONLY	12	

TOTAL CONNECTED LOAD: .6 KVA
MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL

NOTE: INSTALLED AS PART OF PHASE I

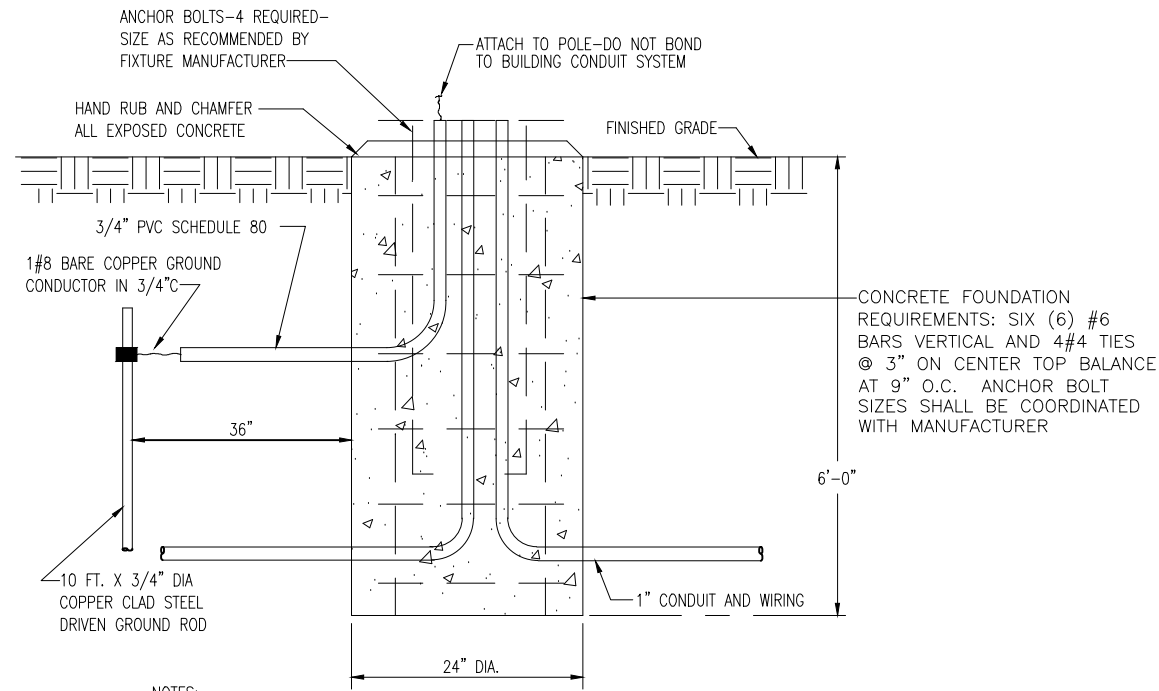
100% CONSTRUCTION PLANS
NOT RELEASED FOR CONSTRUCTION

R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION



ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CARSON DR.	OKALOOSA	100044431

<p><i>ELECTRICAL LEGEND</i> <i>PHASE II</i></p>	<p>SHEET NO. E-001</p>
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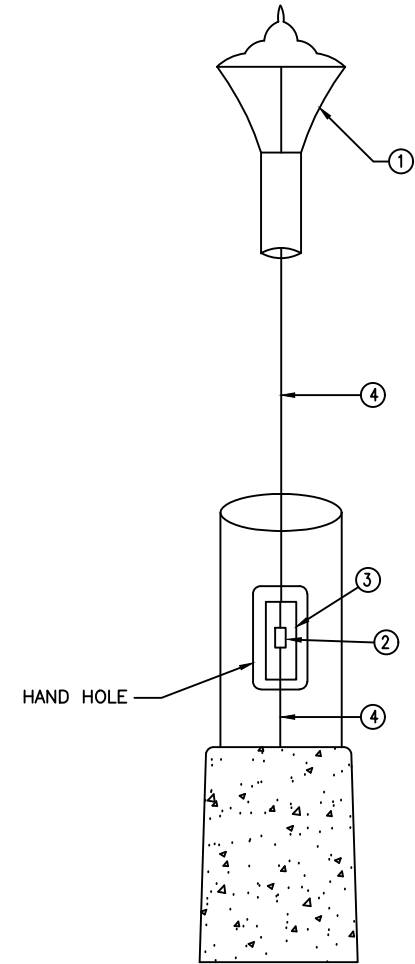
- NOTES:
- INSTALL CONCRETE POLE BASE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS
 - VERIFY BOLT CIRCLE PATTERN WITH MANUFACTURER

**CONCRETE POLE BASE DETAIL
FOR FIXTURE 'PL'**
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE					
MARK	BASIS OF DESIGN	LAMPS		MOUNTING	REMARKS
		No.	TYPE		
PL	LUMEC 110W64LED4K-R-LE4		LED	POLE MOUNTED 20' ABOVE GRADE	9300 LUMEN FIXTURE, TYPE 4 DISTRIBUTION, 4000K, 240V, INTEGRAL PHOTOCCELL
POLE				CONCRETE POLE BASE SEE DETAIL	20' ROUND ALUMINUM POLE

STRUCTURAL CALCULATIONS

DETAILS PROVIDED ARE FOR REFERENCE ONLY TO AID CONTRACTOR IN BIDDING. ELECTRICAL CONTRACTOR SHALL FURNISH DETAILED STRUCTURAL CALCULATIONS FOR EXACT POLE AND LIGHT FIXTURE COMBINATION TO BE INSTALLED.

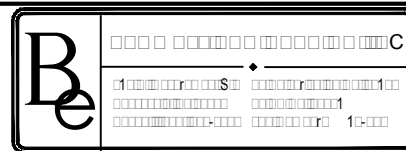


ITEM #	DESCRIPTION
①	LED FIXTURE; SEE LIGHTING FIXTURE SCHEDULE FOR EXACT FIXTURE
②	SURGE SUPPRESSOR
③	HANDHOLE
④	#10 WIRING TO LIGHT FIXTURE

POLE WIRING DETAIL
NOT TO SCALE

100% CONSTRUCTION PLANS
NOT RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CARSON DR.	OKALOOSA	100044431

*ELECTRICAL DETAILS
PHASE II*

SHEET NO.
E-002

PANELBOARD SPECIFICATIONS

PANELBOARDS

PART 1 – GENERAL

- 1.1 SUMMARY
- A. SECTION INCLUDES DISTRIBUTION PANELBOARDS AND LIGHTING AND APPLIANCE BRANCH-CIRCUIT PANELBOARDS.
- 1.2 QUALITY ASSURANCE
- A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- B. COMPLY WITH NEMA PB 1.
- C. COMPLY WITH NFPA 70.
- 1.3 WARRANTY
- A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE TRANSIENT VOLTAGE SUPPRESSION DEVICES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
1. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 – PRODUCTS

- 2.1 GENERAL REQUIREMENTS FOR PANELBOARDS
- A. ENCLOSURES: FLUSH- AND SURFACE-MOUNTED CABINETS.
1. RATED FOR ENVIRONMENTAL CONDITIONS AT INSTALLED LOCATION.
- a. OUTDOOR LOCATIONS: NEMA 250, TYPE 3R.
2. FRONT: SECURED TO BOX WITH CONCEALED TRIM CLAMPS.
3. HINGED FRONT COVER: ENTIRE FRONT TRIM HINGED TO BOX AND WITH STANDARD DOOR WITHIN HINGED TRIM COVER.
4. DIRECTORY CARD: INSIDE PANELBOARD DOOR, MOUNTED IN TRANSPARENT CARD HOLDER.
- B. INCOMING MAINS LOCATION: TOP AND BOTTOM.
- C. PHASE, NEUTRAL, AND GROUND BUSES: HARD-DRAWN COPPER, 98 PERCENT CONDUCTIVITY.
- D. CONDUCTOR CONNECTORS: SUITABLE FOR USE WITH CONDUCTOR MATERIAL AND SIZES.
1. MATERIAL: HARD-DRAWN COPPER, 98 PERCENT CONDUCTIVITY.
2. MAIN AND NEUTRAL LUGS: MECHANICAL TYPE.
3. GROUND LUGS AND BUS CONFIGURED TERMINATORS: MECHANICAL TYPE.
4. FEED-THROUGH LUGS: MECHANICAL TYPE, SUITABLE FOR USE WITH CONDUCTOR MATERIAL. LOCATE AT OPPOSITE END OF BUS FROM INCOMING LUGS OR MAIN DEVICE.
5. SUBFEED (DOUBLE) LUGS: MECHANICAL TYPE SUITABLE FOR USE WITH CONDUCTOR MATERIAL. LOCATE AT SAME END OF BUS AS INCOMING LUGS OR MAIN DEVICE.
- E. SERVICE EQUIPMENT LABEL: NRTL LABELED FOR USE AS SERVICE EQUIPMENT FOR PANELBOARDS WITH ONE OR MORE MAIN SERVICE DISCONNECTING AND OVERCURRENT PROTECTIVE DEVICES.
- F. FUTURE DEVICES: MOUNTING BRACKETS, BUS CONNECTIONS, FILLER PLATES, AND NECESSARY APPURTENANCES REQUIRED FOR FUTURE INSTALLATION OF DEVICES.
- G. PANELBOARD SHORT-CIRCUIT CURRENT RATING: RATED FOR SERIES-CONNECTED SYSTEM WITH INTEGRAL OR REMOTE UPSTREAM OVERCURRENT PROTECTIVE DEVICES AND LABELED BY AN NRTL. INCLUDE SIZE AND TYPE OF ALLOWABLE UPSTREAM AND BRANCH DEVICES, AND LISTED AND LABELED FOR SERIES-CONNECTED SHORT-CIRCUIT RATING BY AN NRTL.
- H. PANELBOARD SHORT-CIRCUIT CURRENT RATING: FULLY RATED TO INTERRUPT SYMMETRICAL SHORT-CIRCUIT CURRENT AVAILABLE AT TERMINALS.
- 2.2 PERFORMANCE REQUIREMENTS

SEISMIC PERFORMANCE: PANELBOARDS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO SEI/ASCE 7.

2. THE TERM "WITHSTAND" MEANS "THE UNIT WILL REMAIN IN PLACE WITHOUT SEPARATION OF ANY PARTS FROM THE DEVICE WHEN SUBJECTED TO THE SEISMIC FORCES SPECIFIED AND THE UNIT WILL BE FULLY OPERATIONAL AFTER THE SEISMIC EVENT."
- E. SURGE SUPPRESSION: FACTORY INSTALLED AS AN INTEGRAL PART OF INDICATED PANELBOARDS, COMPLYING WITH UL 1449 SPD TYPE 1.
- 2.3 PANELBOARDS
- A. PANELBOARDS, AS SPECIFIED IN THIS ARTICLE, FALL UNDER REQUIREMENTS OF "POWER PANELBOARDS" IN NFPA 70.
- B. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
1. EATON ELECTRICAL SECTOR: EATON CORPORATION.
 2. GENERAL ELECTRIC COMPANY.
 3. SIEMENS INDUSTRY, INC.
 4. SQUARE D.
- C. PANELBOARDS: NEMA PB 1, POWER AND FEEDER DISTRIBUTION TYPE.
- D. DOORS: SECURED WITH VAULT-TYPE LATCH WITH TUMBLER LOCK; KEYED ALIKE.
- E. MAINS: CIRCUIT BREAKER.
- F. BRANCH OVERCURRENT PROTECTIVE DEVICES: FOR CIRCUIT-BREAKER FRAME SIZES 125 A AND SMALLER: BOLT-ON CIRCUIT BREAKERS.

PART 3 – EXECUTION

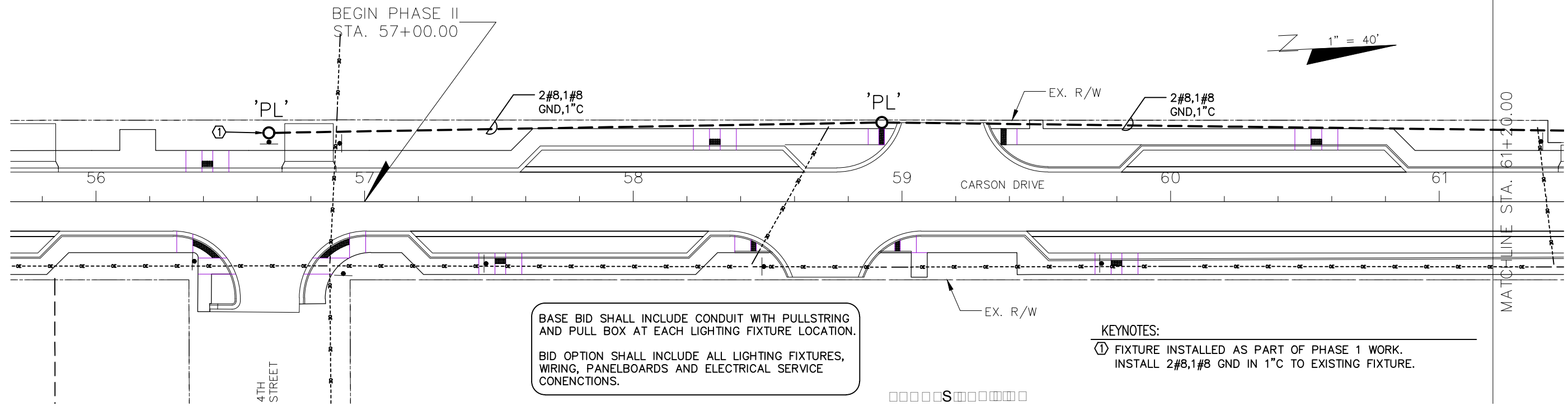
- 3.1 INSTALLATION
- A. RECEIVE, INSPECT, HANDLE, STORE AND INSTALL PANELBOARDS AND ACCESSORIES ACCORDING TO NECA 407.Z E
- B. MOUNT TOP OF TRIM 90 INCHES (2286 MM) ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
- C. MOUNT PANELBOARD CABINET PLUMB AND RIGID WITHOUT DISTORTION OF BOX. MOUNT RECESSED PANELBOARDS WITH FRONTS UNIFORMLY FLUSH WITH WALL FINISH AND MATING WITH BACK BOX.
- D. INSTALL OVERCURRENT PROTECTIVE DEVICES AND CONTROLLERS NOT ALREADY FACTORY INSTALLED.
1. SET FIELD-ADJUSTABLE, CIRCUIT-BREAKER TRIP RANGES.
- F. INSTALL FILLER PLATES IN UNUSED SPACES.
- G. STUB FOUR 1-INCH (27-GRC) EMPTY CONDUITS FROM PANELBOARD INTO ACCESSIBLE CEILING SPACE OR SPACE DESIGNATED TO BE CEILING SPACE IN THE FUTURE. STUB FOUR 1-INCH (27-GRC) EMPTY CONDUITS INTO RAISED FLOOR SPACE OR BELOW SLAB NOT ON GRADE.
- H. ARRANGE CONDUCTORS IN GUTTERS INTO GROUPS AND BUNDLE AND WRAP WITH WIRE TIES.
- I. COMPLY WITH NECA 1.
- 3.2 IDENTIFICATION
- A. IDENTIFY FIELD-INSTALLED CONDUCTORS, INTERCONNECTING WIRING, AND COMPONENTS; PROVIDE WARNING SIGNS COMPLYING WITH SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
- B. CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS AND INCORPORATING OWNER'S FINAL ROOM DESIGNATIONS. OBTAIN APPROVAL BEFORE INSTALLING. USE A COMPUTER OR TYPEWRITER TO CREATE DIRECTORY; HANDWRITTEN DIRECTORIES ARE NOT ACCEPTABLE.
- C. PANELBOARD NAMEPLATES: LABEL EACH PANELBOARD
- 3.3 FIELD QUALITY CONTROL
- A. PERFORM TESTS AND INSPECTIONS.
- B. ACCEPTANCE TESTING PREPARATION:
1. TEST INSULATION RESISTANCE FOR EACH PANELBOARD BUS, COMPONENT, CONNECTING SUPPLY, FEEDER, AND CONTROL CIRCUIT.
 2. TEST CONTINUITY OF EACH CIRCUIT.

CONDUCTOR SPECIFICATIONS

1. PROVIDE WIRES AND CABLES IN ACCORDANCE APPLICABLE REQUIREMENTS OF NFPA 70 AND UL FOR TYPE OF INSULATION, JACKET, AND CONDUCTOR SPECIFIED OR INDICATED. DO NOT USE WIRES AND CABLES MANUFACTURED MORE THAN 12 MONTHS PRIOR TO DATE OF DELIVERY TO SITE.
2. PROVIDE THE FOLLOWING:
 - a. CONDUCTOR SIZES AND CAPACITIES SHOWN ARE BASED ON COPPER, UNLESS INDICATED OTHERWISE.
 - b. CONDUCTORS NO. 8 AWG AND LARGER DIAMETER: STRANDED.
 - c. CONDUCTORS NO. 10 AWG AND SMALLER DIAMETER: SOLID.
3. ALL CONDUCTORS SHALL BE COPPER.
4. PROVIDE MINIMUM CONDUCTOR SIZE IN ACCORDANCE WITH THE FOLLOWING:
 - a. BRANCH CIRCUITS: NO. 10 AWG.
5. PROVIDE COLOR CODING FOR BRANCH CIRCUIT CONDUCTORS.
 - 5.1. PROVIDE COLOR CODING OF GROUND AND NEUTRAL CONDUCTORS AS FOLLOWS:
 - a. GROUNDING CONDUCTORS: GREEN.
 - 5.2 PROVIDE COLOR CODING OF UNGROUNDED CONDUCTORS IN DIFFERENT VOLTAGE SYSTEMS AS FOLLOWS:
 - a. PHASE A – BLACK
 - b. PHASE B – RED
6. UNLESS SPECIFIED OR INDICATED OTHERWISE OR REQUIRED BY NFPA 70, PROVIDE POWER AND LIGHTING WIRES RATED FOR 600-VOLTS, TYPE XHHW CONFORMING TO UL 44, EXCEPT THAT GROUNDING WIRE MAY BE TYPE TW CONFORMING TO UL 83; REMOTE-CONTROL AND SIGNAL CIRCUITS: TYPE TW OR TF, CONFORMING TO UL 83. WHERE LIGHTING FIXTURES REQUIRE 90-DEGREE CENTIGRADE (C) CONDUCTORS, PROVIDE ONLY CONDUCTORS WITH 90-DEGREE C INSULATION OR BETTER.
7. BONDING CONDUCTORS SHALL BE ASTM B1, SOLID BARE COPPER WIRE FOR SIZES NO. 8 AWG AND SMALLER DIAMETER; ASTM B8, CLASS B, STRANDED BARE COPPER WIRE FOR SIZES NO. 6 AWG AND LARGER DIAMETER.
8. PROVIDE INSULATED CONDUCTORS INSTALLED IN EMT, EXCEPT WHERE SPECIFICALLY INDICATED OR SPECIFIED OTHERWISE OR REQUIRED BY NFPA 70 TO BE INSTALLED OTHERWISE. GROUNDING CONDUCTOR: SEPARATE FROM ELECTRICAL SYSTEM NEUTRAL CONDUCTOR. PROVIDE INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR FOR CIRCUIT(S) INSTALLED IN CONDUIT AND RACEWAYS. MINIMUM CONDUIT SIZE: 1/2 INCH IN DIAMETER. FIRESTOP CONDUIT WHICH PENETRATES FIRE-RATED WALLS, FIRE-RATED PARTITIONS AS REQUIRED.
9. SPLICES OF LOW-VOLTAGE CONDUCTORS ARE NOT ALLOWED.

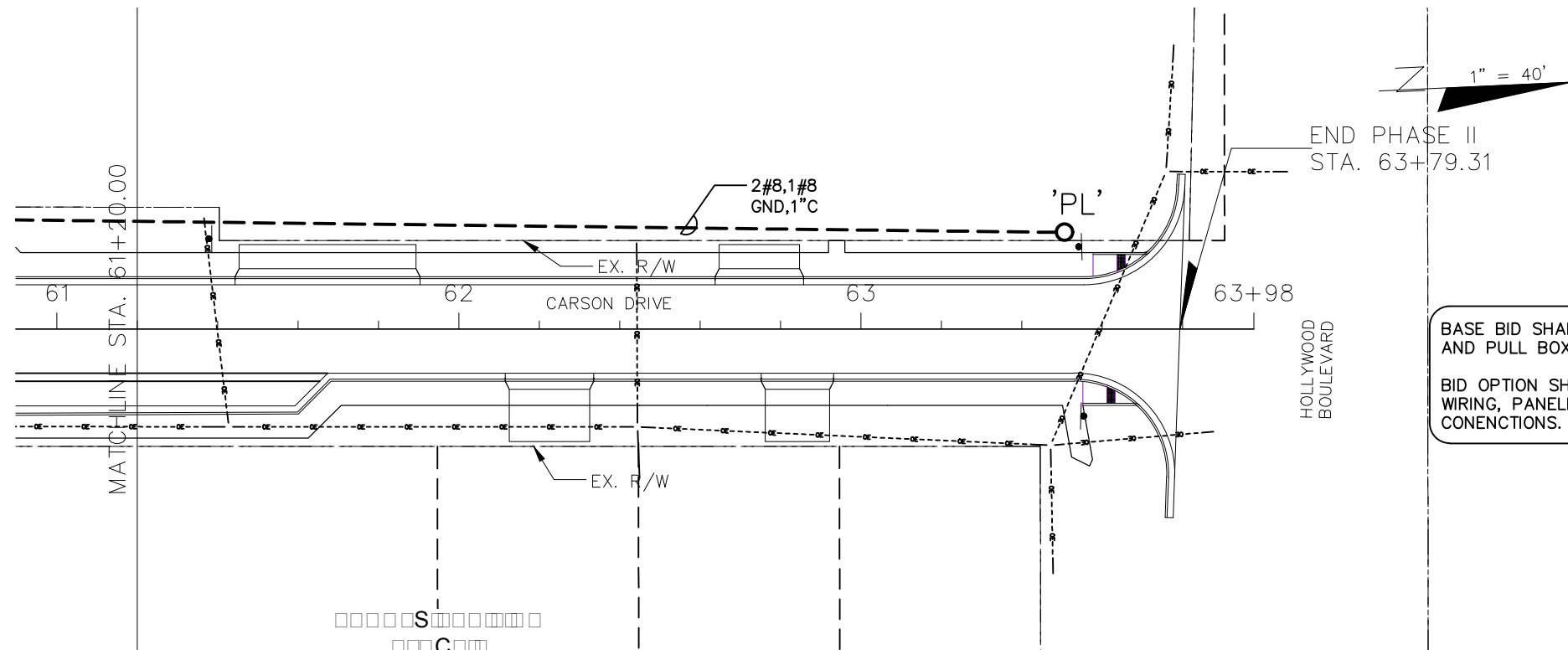
100% CONSTRUCTION PLANS
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R E V I S I O N S					ATKINS			<i>ELECTRICAL SPECS PHASE II</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		E-003
					CARSON DR.	OKALOOSA	100044431		



BASE BID SHALL INCLUDE CONDUIT WITH PULLSTRING AND PULL BOX AT EACH LIGHTING FIXTURE LOCATION.
 BID OPTION SHALL INCLUDE ALL LIGHTING FIXTURES, WIRING, PANELBOARDS AND ELECTRICAL SERVICE CONENCTIONS.

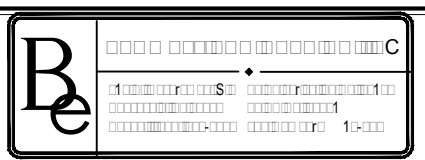
KEYNOTES:
 ① FIXTURE INSTALLED AS PART OF PHASE 1 WORK. INSTALL 2#8,1#8 GND IN 1\"/>



BASE BID SHALL INCLUDE CONDUIT WITH PULLSTRING AND PULL BOX AT EACH LIGHTING FIXTURE LOCATION.
 BID OPTION SHALL INCLUDE ALL LIGHTING FIXTURES, WIRING, PANELBOARDS AND ELECTRICAL SERVICE CONENCTIONS.

100% CONSTRUCTION PLANS
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



ATKINS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CARSON DR.	OKALOOSA	100044431

*SITE LIGHTING PLAN
 CARSON DRIVE PHASE II*

SHEET NO.
 E-100