

GENERAL NOTES:

1. ALL WORK SHALL BE COMPLETED IN CONFORMANCE AS APPLICABLE WITH FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION
2. SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURE.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL LINE AND GRADE STAKES IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE ENGINEER OR THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY ERRORS.
5. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO START OF CONSTRUCTION FOR LOCATION OF EXISTING UTILITIES, IN ORDER TO PREVENT DAMAGE AND COORDINATE ADJUSTMENT AND/OR RELOCATION OF SAME IF REQUIRED.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER AND OWNER OF ANY CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS PRIOR TO CONSTRUCTION OF SAID CHANGE OR DEVIATION.
7. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING STRUCTURES AND UTILITIES. ANY DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INSURANCE AND BONDS REQUESTED BY THE OWNER FOR THIS PROJECT.
9. THE OWNER WILL PROVIDE THE SELECTED CONTRACTOR WITH COPIES OF ALL PERMITS RECEIVED FOR THE PROJECT.
10. THE CONTRACTOR SHALL PROTECT AND USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
11. ALL PROPERTY CORNERS AND SURVEY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DESTROYED, THE PROJECT ENGINEER AND OWNER SHOULD BE NOTIFIED IMMEDIATELY IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL MONUMENTS AND SURVEY POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. ANY DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
12. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, ONE COPY OF APPROVED CONSTRUCTION PLANS, SPECIFICATIONS ANY SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS IN COMPLIANCE WITH CITRUS COUNTY LAND DEVELOPMENT CODE.
13. SUBMITTAL OF AS-BUILT SITE SURVEY, INCLUDING BENCH MARKS, IS REQUIRED.
14. THE CONTRACTOR SHALL CONTACT THE COUNTY INSPECTOR 24 HOURS PRIOR TO ALL NECESSARY SITE WORK INSPECTIONS AND 5 DAYS PRIOR TO THE FINAL INSPECTION.
15. ANY CHANGES TO THE EXISTING BUILDING (INCLUDING BUT NOT LIMITED TO RE-ROOF AND PAINT COLOR CHANGES) LANDSCAPING, AND FENCES/WALL REQUIRES THE APPROVAL BY CITRUS COUNTY.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL WITHIN BEST MANAGEMENT PRACTICES FOR THE DURATION OF THE PROJECT UNTIL SUCH TIME AS THE PROJECT HAS BEEN CERTIFIED AS COMPLETE.
2. THE CONTRACTOR SHALL SEED & MULCH OR SOD ALL OPEN SPACE AREAS TO BE GRASSED IMMEDIATELY FOLLOWING FINAL GRADING AND COMPLETION OF ALL UNDERGROUND UTILITIES.
3. SILT FENCES SHALL BE INSTALLED ALONG LIMITS OF CONSTRUCTION .
4. SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IMMEDIATELY IF DAMAGED.
5. ALL SIDE SLOPES OF STORM WATER MANAGEMENT AREAS SHALL BE SODDED UPON COMPLETION OF FINAL GRADING.
6. ALL INLETS SHALL BE PROTECTED FROM COLLECTION OF ERODED MATERIALS BY INSTALLATION OF TEMPORARY FILTER FABRIC AND/OR HAYBALES.
7. FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED WITHIN ALL WATER BODIES DOWNSTREAM OF CONSTRUCTION ACTIVITIES WHERE PROTECTION AGAINST TURBID WATERS DISCHARGE MAY OCCUR.

MAINTENANCE OF TRAFFIC NOTES:

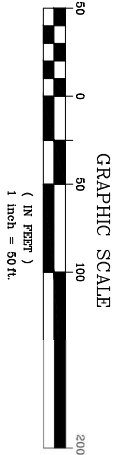
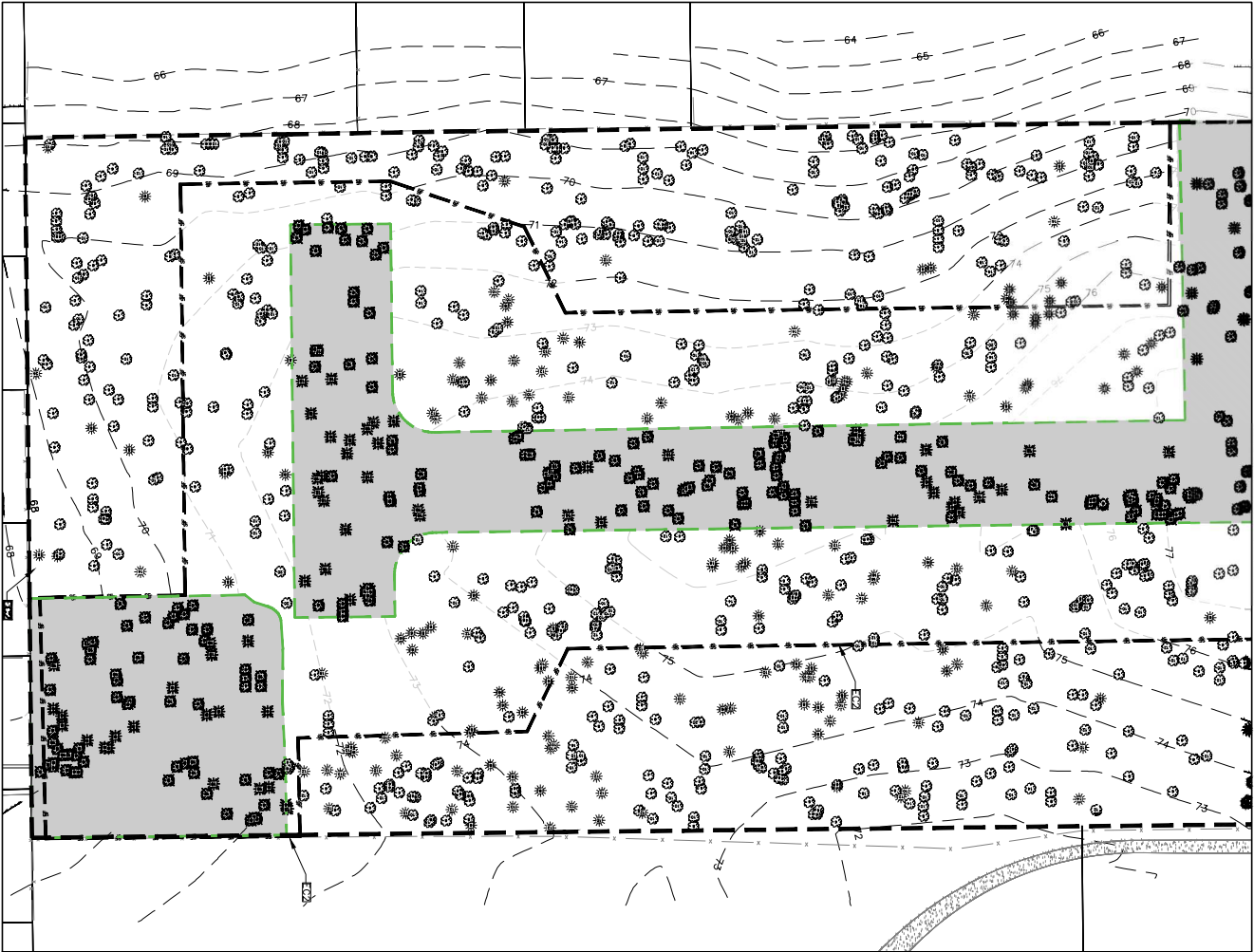
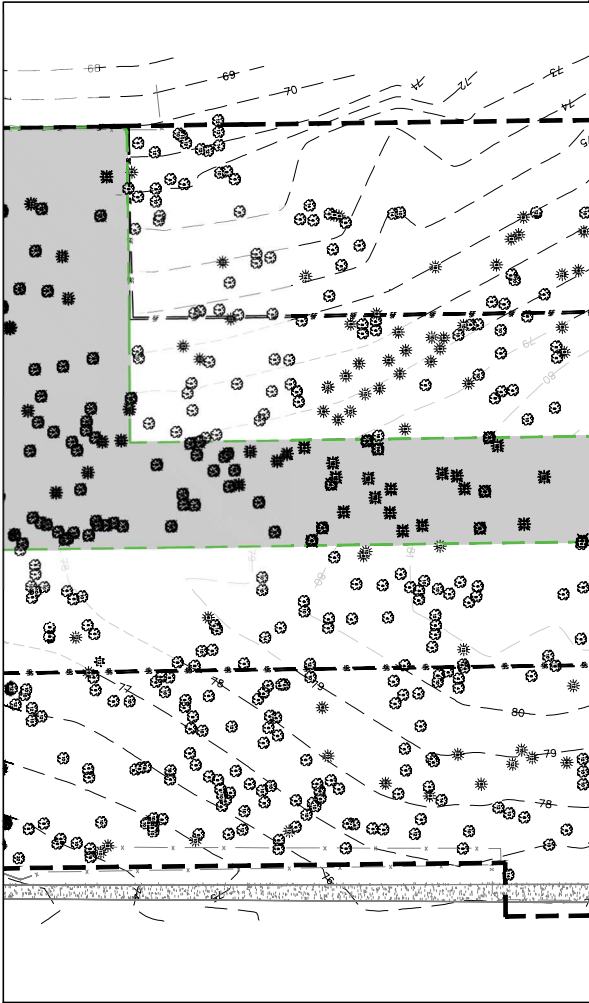
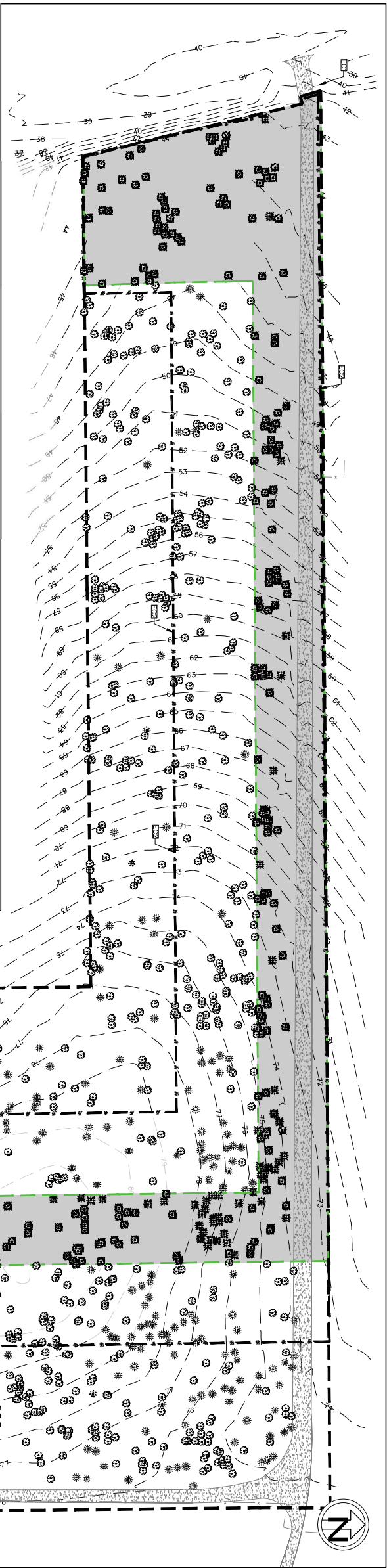
1. ADVANCE CONSTRUCTION SIGNAGE INDEX 602 SHALL BE POSTED.
2. TRAFFIC SHALL BE RESTRICTED TO A SINGLE LANE WHEN ANY WORK ENROACHES THE AREA BETWEEN THE CENTERLINE AND 2 FEET OUTSIDE THE EDGE OF PAVEMENT. ONE-LANE CLOSURES SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD INDEX NO. 603.
3. ALL WORK WITHIN THE FDOT RIGHT OF WAY SHALL CONFORM TO THE MOST CURRENT FDOT STANDARDS AND SPECIFICATIONS.
4. ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED A MINIMUM OF 30 FEET FROM THE EDGE OF EXISTING PAVEMENT AND SHALL BE PROTECTED BY TYPE II BARRICADES WITH FLASHING YELLOW LIGHTS.
5. THERE SHALL BE NO EXCAVATIONS LEFT OPEN AFTER DARK.
6. CONTRACTOR SHALL NOTIFY CITRUS COUNTY PERMITTING OFFICE.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SUNSHINE STATE ONE CALL SYSTEM AT (800)–432–4770 FOR LOCATION OF UNDERGROUND UTILITIES.

TRAFFIC CONTROL/STRIPING NOTES:

1. SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE FLORIDA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE JURISDICTIONAL TRAFFIC DEPARTMENT TYPICAL DRAWINGS FOR ROADWAY SIGNING, STRIPING & GEOMETRICS
2. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL. THERMOPLASTIC.

SITE PREPARATION NOTES:

1. NORMAL, GOOD PRACTICE SITE PREPARATION PROCEDURES SHALL BE USED FOR THIS PROJECT. THESE PROCEDURES INCLUDE: STRIPING THE SITE TO SHOW THE PROPOSED RIGHT-OF-WAY, REMOVAL OF EXISTING PAVEMENT AND PLACING NECESSARY FILL OR BACKFILL TO GRADE WITH ENGINEERED FILL. A MORE DETAILED SYNOPSIS OF THIS WORK IS AS FOLLOWS:
2. PRIOR TO CONSTRUCTION, THE LOCATION OF ANY EXISTING UNDERGROUND UTILITY LINES WITHIN THE CONSTRUCTION AREA SHOULD BE ESTABLISHED. PROVISIONS SHOULD THEN BE MADE TO RELOCATE INTERFERING UTILITIES TO APPROPRIATE LOCATIONS. ABANDONED PIPES SHALL BE PROPERLY REMOVED OR PLUGGED, AS THEY MAY SERVE AS CONDUITS FOR SUBSURFACE EROSION WHICH MAY SUBSEQUENTLY LEAD TO EXCESSIVE SETTLEMENT OF OVERLAY STRUCTURE(S).
3. STRIP THE PROPOSED CONSTRUCTION LIMITS OF ALL GRASS, ROOTS, TOPSOIL, AND OTHER DELETERIOUS MATERIALS WITHIN AND FOR 3 FEET BEYOND THE PERIMETER OF THE PROPOSED PAVED AREAS. SOME ISOLATED REMAINS MAY REQUIRE MORE THAN 12 INCHES OF STRIPPING OR UNDERCUTTING. TYPICAL STRIPPING AT THIS SITE TO DEPTHS OF 6 TO 12 INCHES.
4. IT IS RECOMMENDED THE TOP OF THE CLAYEY SANDS BE MAINTAINED A MINIMUM OF 2 FEET BELOW THE PROPOSED BOTTOM OF THE BASE MATERIAL OR CONCRETE PAVEMENT. IF THE SITE GRADING IS SUCH THAT THE MINIMUM SEPARATION DOES NOT EXIST, WE RECOMMEND UNDERCUTTING THE CLAYEY MATERIALS TO MAINTAIN THIS SEPARATION AND BACKFILLING WITH CLEAN STRUCTURAL FILL, AS DESCRIBED BELOW.
5. THE SEASONAL HIGH GROUNDWATER LEVEL IS ESTIMATED TO BE DEEP BELOW THE EXISTING GROUND. WATER DEWATERING IS NOT REQUIRED.
6. COMPACT THE SUBGRADE FROM THE SURFACE WITH A LIGHT WEIGHT VIBRATORY ROLLER (A 2 TO 3 TON ROLLER, STATIC WEIGHT AND 3 FOOT DRUM DIAMETER) OR TRACKED DOZER EQUIPMENT UNTIL A MINIMUM DENSITY OF 98 PERCENT OF THE THEORETICAL MAXIMUM DRY DENSITY (ASTM D-1557), TO A DEPTH OF 12 INCHES BELOW THE COMPLETED SURFACE IS OBTAINED. A MINIMUM OF EIGHT (8) COMPLETE PASSES SHOULD BE MADE WITHIN THE PAVED AREA. THE PAVED AREA WITH A ROLLER TO IMPROVE THE UNIFORMITY AND INCREASE THE DENSITY OF THE UNDERLYING SANDY SOILS. THE USE OF HEAVY VIBRATORY COMPACTION EQUIPMENT SHALL NOT BE UTILIZED DUE TO THE POTENTIAL FOR PUMPING OF THE NEAR-SURFACE CLAYEY SOILS ENCOUNTERED, UNLESS APPROVED BY THE ENGINEER.
7. SHOULD THE SUBGRADE SOILS EXPERIENCE PUMPING AND SOIL STRENGTH LOSS DURING THE COMPACTION OPERATIONS, COMPACTION WORK SHOULD BE IMMEDIATELY TERMINATED AND (1) THE DISTURBED SOILS REMOVED AND BACKFILLED WITH DRY STRUCTURAL FILL SOILS WHICH ARE THEN COMPACTED, OR (2) THE EXCESS PORE PRESSURES WITHIN THE DISTURBED SOILS ALLOWED TO DISSIPATE BEFORE RECOMPACTING.
8. TO AVOID PUMPING OF THE UNDERLYING CLAYEY SOILS, SELF PROPELLED VIBRATING EQUIPMENT SHALL REMAIN A MINIMUM OF 2 FEET ABOVE THE CLAYEY SOILS. THE SAND SOILS WITHIN 2 FEET OF THE CLAYEY SOILS MAY BE COMPACTED WITH A VIBRATORY ROLLER.
9. OPERATE IN THE STATIC MODE OR WITH A TRACK-MOUNTED DOZER TO AVOID DISTURBING THE CLAYEY SOILS. A MINIMUM OF 18 INCHES OF SAND SHALL OVERLAY THE CLAYEY SOILS PRIOR TO OPERATION OF ANY TYPE OF CONSTRUCTION EQUIPMENT. EXCESS DISTURBANCE OF THE CLAYEY SOILS WILL DEGRADE THE STRENGTH CHARACTERISTICS OF THE SOIL AND MAY RESULT IN AN UNSUITABLE SOIL WHICH WILL REQUIRE OVER-EXCAVATION AND SUBSEQUENT BACKFILLING WITH CLEAN FINE SAND FILL MATERIAL. IN AREAS WHERE CLAYEY SOILS ARE ENCOUNTERED NEAR THE GROUND SURFACE OR ARE EXPOSED BY OVER EXCAVATION, AN INITIAL LIFT OF STRUCTURAL FILL MAY BE PLACED PRIOR TO COMPACTION OF THE SUBGRADE SOILS.
10. DUE TO THE PRESENCE OF THE NEAR SURFACE CLAYEY SOILS, THE SITE MAY BECOME DIFFICULT TO WORK DURING WET WEATHER. IF CONSTRUCTION IS BEGUN DURING WET WEATHER, IT IS RECOMMENDED THE BUILDING AND PAVEMENT SUBGRADES NOT BE DISTURBED OTHER THAN TO STRIP VEGETATION. FILL AND GRADING OPERATIONS SHOULD BE PERFORMED WITH A MINIMUM DISTURBANCE TO THE SURFICIAL SOILS. IN THIS REGARD, IT IS RECOMMENDED THAT TRACK-MOUNTED EQUIPMENT BE USED ON SITE.
11. TEST THE SUBGRADE FOR COMPACTION AT A FREQUENCY OF NOT LESS THAN ONE TEST PER 10,000 SQUARE FEET.
12. PLACE FILL MATERIAL, AS REQUIRED. THE FILL SHOULD CONSIST OF CLEAN, FINE SAND WITH LESS THAN 10 PERCENT SOIL FINES. PLACE FILL IN LIFTS TO 2 FEET MAXIMUM. THE SAND SHOULD HAVE A MINIMUM DENSITY OF 98 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086
PHONE (904)794-1760
FAX (904)794-1768
quoc@maiengineer.com



LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

REVISIONS	
NO.	REVISION
1	
2	
3	
4	
5	

- EROSION CONTROL DETAILS**
- EC1 STABILIZED CONSTRUCTION ENTRANCE (SEE FOOT INDEX 106)
- EC2 TYPE III SILT FENCE
- DEMOLITION NOTES**
- D02 PRESERVED WETLANDS
- D03 TO BE REMOVED
- D06 EXISTING DITCHES ARE TO BE FULLY CLEARED AND DEMOLISHED UNTIL SOLID SOILS REACHED. FILL DITCH WITH GRAVEL AND COMPACT TO 95% DENSITY IN MAXIMUM 12" LIFTS.
- D07 100' X 50' GRAVEL CONSTRUCTION ENTRANCE.

GENERAL NOTES

1. FOR DEMO/PRESERVED TREES AND TREE PROTECTION SEE LANDSCAPE PLAN SHEET.
2. ALL DISCHARGE POINTS SHALL RECEIVE RIP RAP AND/OR TURBIDITY BARRIERS TO PREVENT OFFSITE EROSION.
3. ALL ROAD CUTS MUST BE RESTORED BY MILLING AND RESURFACING A MINIMUM OF 25 FEET FROM EACH SIDE OF CUT.

LEGEND

- PROPERTY LINE
- ROADWAY CENTERLINE
- DRAINAGE EASEMENT
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED GRAVEL
- SILT FENCE
- GEOTECH BORING LOCATION
- NATURAL GROUND WATER LEVEL
- SEASONAL HIGH GROUND WATER LEVEL
- SNOW
- NOVE
- X-X-X

EROSION CONTROL & DEMO PLAN

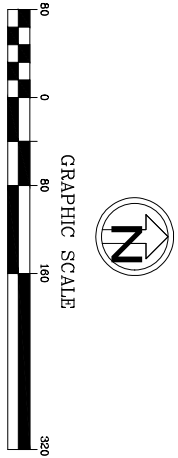
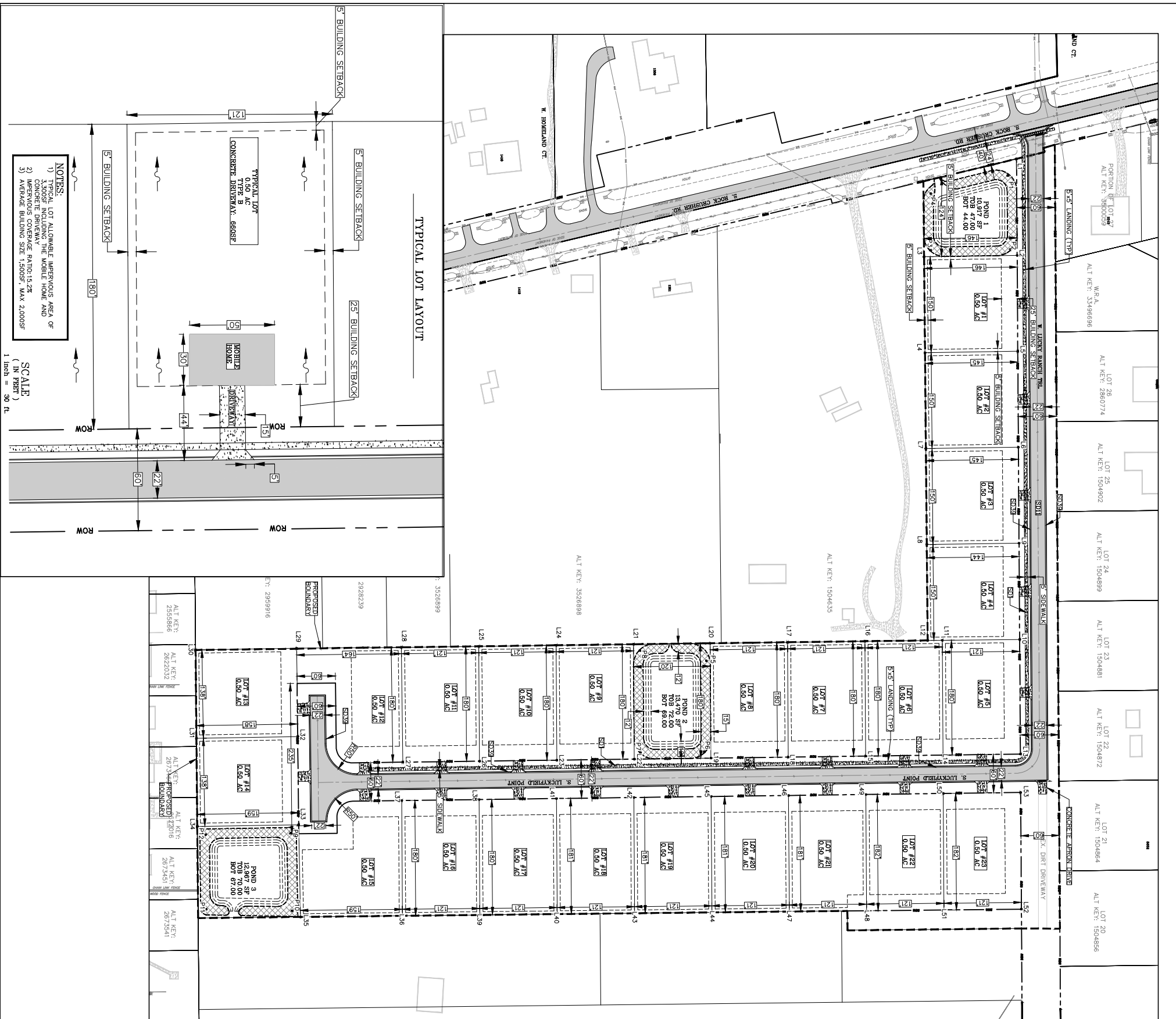
LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

SHEET	TITLE
DESIGN BY: QHM	
DWG BY: AXA	
CHECK BY: QHM	
DATE: 5/29/2025	
JOB No.: 2375	
SHEET No.: 4	

REMOVED TREES TABLE			
ID	TYPE	DBH (IN)	
#1	PINE	6	
#2	CHERRY	12	
#3	OAK	12	
#4	OAK	16	
#5	OAK	16	
#6	OAK	12	
#7	OAK	16	
#8	OAK	16	
#9	OAK	8	
#10	OAK	10	
#11	OAK	8	
#12	OAK	6	
#13	CHERRY	10	
#14	OAK	10	
#15	OAK	6	
#16	OAK	6	
#17	OAK	6	
#18	OAK	6	
#19	OAK	6	
#20	OAK	6	
#21	OAK	6	
#22	OAK	6	
#23	OAK	6	
#24	OAK	6	
#25	OAK	6	
#26	OAK	6	
#27	OAK	6	
#28	OAK	6	
#29	OAK	6	
#30	OAK	6	
#31	OAK	6	
#32	OAK	6	
#33	OAK	6	
#34	OAK	6	
#35	OAK	6	
#36	OAK	6	
#37	CHERRY	10	
#38	OAK	6	
#39	OAK	12	
#40	OAK	10	
#41	OAK	10	
#42	OAK	6	
#43	OAK	10	
#44	OAK	6	
#45	OAK	10	
#46	OAK	12	
#47	OAK	12	
#48	OAK	12	
#49	CHERRY	6	
#50	PINE	12	
#51	OAK	6	
#52	OAK	6	
#53	OAK	6	
#54	OAK	6	
#55	OAK	6	
#56	OAK	6	
#57	OAK	6	
#58	OAK	6	
#59	OAK	6	
#60	OAK	6	
#61	OAK	6	
#62	OAK	6	
#63	OAK	14	
#64	OAK	6	
#65	OAK	6	
#66	OAK	6	
#67	OAK	6	
#68	OAK	6	
#69	OAK	6	
#70	OAK	6	
#71	OAK	6	
#72	OAK	6	
#73	OAK	6	
#74	OAK	6	
#75	OAK	6	
#76	OAK	6	
#77	OAK	6	
#78	OAK	6	
#79	OAK	6	
#80	OAK	6	
#81	OAK	6	
#82	OAK	6	
#83	OAK	6	
#84	OAK	6	
#85	OAK	6	
#86	OAK	6	
#87	OAK	6	
#88	OAK	6	
#89	OAK	6	
#90	OAK	6	
#91	OAK	6	
#92	OAK	6	
#93	OAK	6	
#94	OAK	6	
#95	OAK	6	
#96	OAK	6	
#97	OAK	6	
#98	OAK	6	
#99	OAK	6	
#100	OAK	6	
#101	OAK	6	
#102	OAK	6	
#103	OAK	6	
#104	OAK	6	
#105	OAK	6	
#106	OAK	6	
#107	OAK	6	
#108	OAK	6	
#109	OAK	6	
#110	OAK	6	
#111	OAK	6	
#112	OAK	6	
#113	OAK	6	
#114	OAK	6	
#115	OAK	6	
#116	OAK	6	
#117	OAK	6	
#118	OAK	6	
#119	OAK	6	
#120	OAK	6	
#121	OAK	6	
#122	OAK	6	
#123	OAK	6	
#124	OAK	6	
#125	OAK	6	
#126	OAK	6	
#127	OAK	6	
#128	OAK	6	
#129	OAK	6	
#130	OAK	6	
#131	OAK	6	
#132	OAK	6	
#133	OAK	6	
#134	OAK	6	
#135	OAK	6	
#136	OAK	6	
#137	OAK	6	
#138	OAK	6	
#139	OAK	6	
#140	OAK	6	
#141	OAK	6	
#142	OAK	6	
#143	OAK	6	
#144	OAK	6	
#145	OAK	6	
#146	OAK	6	
#147	OAK	6	
#148	OAK	6	
#149	OAK	6	
#150	OAK	6	
#151	OAK	6	
#152	OAK	6	
#153	OAK	6	
#154	OAK	6	
#155	OAK	6	
#156	OAK	6	
#157	OAK	6	
#158	OAK	6	
#159	OAK	6	
#160	OAK	6	
#161	OAK	6	
#162	OAK	6	
#163	OAK	6	
#164	OAK	6	
#165	OAK	6	
#166	OAK	6	
#167	OAK	6	
#168	OAK	6	
#169	OAK	6	
#170	OAK	6	
#171	OAK	6	
#172	OAK	6	
#173	OAK	6	
#174	OAK	6	
#175	OAK	6	
#176	OAK	6	
#177	OAK	6	
#178	OAK	6	
#179	OAK	6	
#180	OAK	6	
#181	OAK	6	
#182	OAK	6	
#183	OAK	6	
#184	OAK	6	
#185	OAK	6	
#186	OAK	6	
#187	OAK	6	
#188	OAK	6	
#189	OAK	6	
#190	OAK	6	
#191	OAK	6	
#192	OAK	6	
#193	OAK	6	
#194	OAK	6	
#195	OAK	6	
#196	OAK	6	
#197	OAK	6	
#198	OAK	6	
#199	OAK	6	
#200	OAK	6	
#201	OAK	6	
#202	OAK	6	
#203	OAK	6	
#204	OAK	6	
#205	OAK	6	
#206	OAK	6	
#207	OAK	6	
#208	OAK	6	
#209	OAK	6	
#210	OAK	6	
#211	OAK	6	
#212	OAK	6	
#213	OAK	6	
#214	OAK	6	
#215	OAK	6	
#216	OAK	6	
#217	OAK	6	
#218	OAK	6	
#219	OAK	6	
#220	OAK	6	
#221	OAK	6	
#222	OAK	6	
#223	OAK	6	
#224	OAK	6	
#225	OAK	6	
#226	OAK	6	
#227	OAK	6	
#228	OAK	6	
#229	OAK	6	
#230	OAK	6	
#231	OAK	6	
#232	OAK	6	
#233	OAK	6	
#234	OAK	6	
#235	OAK	6	
#236	OAK	6	
#237	OAK	6	
#238	OAK	6	
#239	OAK	6	
#240	OAK	6	
#241	OAK	6	
#242	OAK	6	
#243	OAK	6	
#244	OAK	6	
#245	OAK	6	
#246	OAK	6	
#247	OAK	6	
#248	OAK	6	
#249	OAK	6	
#250	OAK	6	
#251	OAK	6	
#252	OAK	6	
#253	OAK	6	
#254	OAK	6	
#255	OAK	6	
#256	OAK	6	
#257	OAK	6	
#258	OAK	6	
#259	OAK	6	
#260	OAK	6	
#261	OAK	6	
#262	OAK	6	
#263	OAK	6	
#264	OAK	6	
#265	OAK	6	
#266	OAK	6	
#267	OAK	6	
#268	OAK	6	
#269	OAK	6	
#270	OAK	6	
#271	OAK	6	
#272	OAK	6	
#273	OAK	6	
#274	OAK	6	
#275	OAK	6	
#276	OAK	6	
#277	OAK	6	
#278	OAK	6	
#279	OAK	6	
#280	OAK	6	
#281	OAK	6	
#282	OAK	6	
#283	OAK	6	
#284	OAK	6	
#285	OAK	6	
#286	OAK	6	
#287	OAK	6	
#288	OAK	6	
#289	OAK	6	
#290	OAK	6	
#291	OAK	6	
#292	OAK	6	
#293	OAK	6	
#294	OAK	6	
#295	OAK	6	
#296	OAK	6	
#297	OAK	6	
#298	OAK	6	
#299	OAK	6	
#300	OAK	6	
#301	OAK	6	
#302	OAK	6	
#303	OAK	6	
#304	OAK	6	
#305	OAK	6	
#306	OAK	6	
#307	OAK	6	
#308	OAK	6	
#309	OAK	6	
#310	OAK	6	
#311	OAK	6	
#312	OAK	6	
#313	OAK	6	
#314	OAK	6	
#315	OAK	6	
#316	OAK	6	
#317	OAK	6	
#318	OAK	6	
#319	OAK	6	
#320	OAK	6	
#321	OAK	6	
#322	OAK	6	
#323	OAK	6	
#324	OAK	6	
#325	OAK	6	
#326	OAK	6	
#327	OAK	6	
#328	OAK	6	
#329	OAK	6	
#330	OAK	6	
#331	OAK	6	
#332	OAK	6	
#333	OAK	6	
#334	OAK	6	
#335	OAK	6	
#336	OAK	6	
#337	OAK	6	
#338	OAK	6	
#339	OAK	6	
#340	OAK	6	
#341	OAK	6	
#342	OAK	6	
#343	OAK	6	
#344	OAK	6	
#345	OAK	6	
#346	OAK	6	
#347	OAK	6	
#348	OAK	6	
#349	OAK	6	
#350	OAK	6	
#351	OAK	6	
#352	OAK	6	
#353	OAK	6	
#354	OAK	6	
#355	OAK	6	
#356	OAK	6	
#357	OAK	6	
#358	OAK	6	
#359	OAK	6	
#360	OAK	6	
#361	OAK	6	
#362	OAK	6	
#363	OAK	6	
#364	OAK	6	
#365	OAK	6	
#366	OAK	6	
#367	OAK	6	
#368	OAK	6	
#369	OAK	6	
#370	OAK	6	
#371	OAK	6	
#372	OAK	6	
#373	OAK	6	
#374	OAK	6	
#375	OAK	6	
#376	OAK	6	
#377	OAK	6	
#378	OAK	6	
#379	OAK	6	
#380	OAK	6	
#381	OAK	6	
#382	OAK	6	
#383	OAK	6	
#384	OAK	6	
#385	OAK	6	
#386	OAK	6	
#387	OAK	6	
#388	OAK	6	
#389	OAK	6	
#390	OAK	6	
#391	OAK	6	
#392	OAK	6	
#393	OAK	6	
#394	OAK	6	
#395	OAK	6	
#396	OAK	6	
#397	OAK	6	
#398	OAK	6	
#399	OAK	6	
#400	OAK	6	
#401	OAK	6	
#402	OAK	6	
#403	OAK	6	
#404	OAK	6	
#405	OAK	6	
#406	OAK	6	
#407	OAK	6	
#408	OAK	6	
#409	OAK	6	
#410	OAK	6	
#411	OAK	6	
#412	OAK	6	
#413	OAK	6	
#414	OAK	6	
#415	OAK	6	
#416	OAK	6	
#417	OAK	6	
#418	OAK	6	
#419	OAK	6	
#420	OAK	6	
#421	OAK	6	
#422	OAK	6	
#423	OAK	6	
#424	OAK	6	
#425	OAK	6	
#426	OAK	6	
#427	OAK	6	
#428	OAK	6	
#429	OAK	6	
#430	OAK	6	
#431	OAK	6	
#432	OAK	6	
#433	OAK	6	
#434	OAK	6	
#435	OAK	6	
#436	OAK	6	
#437	OAK	6	
#438	OAK	6	
#439	OAK	6	
#440	OAK	6	
#441	OAK	6	
#442	OAK		

SAVE TREES TABLE			
ID	TYPE	DBH (IN)	
#1216	OAK	12	
#1215	OAK	8	
#1213	PINE	12	
#1220	PINE	12	
#1221	PINE	6	
#1222	PINE	10	
#1223	OAK	6	
#1224	OAK	8	
#1225	OAK	8	
#1226	OAK	8	
#1227	OAK	10	
#1228	OAK	10	
#1229	OAK	16	
#1234	OAK	8	
#1235	OAK	8	
#1236	OAK	8	
#1237	OAK	6	
#1238	OAK	6	
#1239	PINE	8	
#1240	PINE	8	
#1247	OAK	6	
#1260	OAK	8	
#1261	OAK	8	
#1262	OAK	8	
#1263	OAK	8	
#1264	OAK	10	
#1265	OAK	8	
#1266	OAK	8	
#1267	OAK	8	
#1276	OAK	10	
#1278	OAK	6	
#1279	OAK	10	
#1279	OAK	12	
#1280	OAK	6	
#1281	OAK	12	
#1282	OAK	8	
#1283	OAK	10	
#1285	OAK	14	
#1290	OAK	10	
#1294	OAK	8	
#1295	OAK	8	
#1296	OAK	12	
#1297	OAK	8	
#1298	OAK	10	
#1299	OAK	12	
#1300	OAK	8	
#1301	OAK	10	
#1302	OAK	10	
#1303	OAK	6	
#1304	OAK	6	
#1305	OAK	10	
#1306	OAK	10	
#1307	OAK	8	
#1308	OAK	8	
#1309	OAK	10	
#1310	OAK	8	
#1311	OAK	8	
#1312	OAK	8	
#1313	OAK	8	
#1314	OAK	10	
#1315	OAK	10	
#1316	OAK	10	
#1317	OAK	10	
#1318	OAK	6	
#1319	OAK	8	
#1320	OAK	8	
#1321	OAK	10	
#1322	OAK	10	
#1323	OAK	6	
#1324	OAK	6	
#1325	OAK	6	
#1326	OAK	8	
#1327	OAK	10	
#1328	OAK	8	
#1329	OAK	8	
#1330	OAK	8	
#1331	OAK	12	
#1332	OAK	10	
#1333	OAK	10	
#1334	OAK	10	
#1335	OAK	10	
#1336	OAK	10	
#1337	OAK	6	
#1338	OAK	6	
#1339	OAK	6	
#1340	OAK	6	
#1341	OAK	6	
#1342	OAK	6	
#1343	OAK	6	
#1344	OAK	6	
#1345	OAK	6	
#1346	OAK	6	
#1347	OAK	6	
#1348	OAK	6	
#1349	OAK	6	
#1350	OAK	6	
#1351	OAK	6	
#1352	OAK	6	
#1353	OAK	6	
#1354	OAK	6	
#1355	OAK	6	
#1356	OAK	6	
#1357	OAK	6	
#1358	OAK	6	
#1359	OAK	6	
#1360	OAK	6	
#1361	OAK	6	
#1362	OAK	6	
#1363	OAK	6	
#1364	OAK	6	
#1365	OAK	6	
#1366	OAK	6	
#1367	OAK	6	
#1368	OAK	6	
#1369	OAK	6	
#1370	OAK	6	
#1371	OAK	6	
#1372	OAK	6	
#1373	OAK	6	
#1374	OAK	6	
#1375	OAK	6	
#1376	OAK	6	
#1377	OAK	6	
#1378	OAK	6	
#1379	OAK	6	
#1380	OAK	6	
#1381	OAK	6	
#1382	OAK	6	
#1383	OAK	6	
#1384	OAK	6	
#1385	OAK	6	
#1386	OAK	6	
#1387	OAK	6	
#1388	OAK	6	
#1389	OAK	6	
#1390	OAK	6	
#1391	OAK	6	
#1392	OAK	6	
#1393	OAK	6	
#1394	OAK	6	
#1395	OAK	6	
#1396	OAK	6	
#1397	OAK	6	
#1398	OAK	6	
#1399	OAK	6	
#1400	OAK	6	
#1401	OAK	10	
#1402	OAK	12	
#1403	OAK	12	
#1404	OAK	10	
#1405	OAK	10	
#1406	OAK	10	
#1407	OAK	10	
#1408	OAK	10	
#1409	OAK	10	
#1410	OAK	10	
#1411	OAK	10	
#1412	OAK	10	
#1413	OAK	10	
#1414	OAK	10	
#1415	OAK	10	
#1416	OAK	10	
#1417	OAK	10	
#1418	OAK	10	
#1419	OAK	10	
#1420	OAK	10	
#1421	OAK	10	
#1422	OAK	10	
#1423	OAK	10	
#1424	OAK	10	
#1425	OAK	10	
#1426	OAK	10	
#1427	OAK	10	
#1428	OAK	10	
#1429	OAK	10	
#1430	OAK	10	
#1431	OAK	10	
#1432	OAK	10	
#1433	OAK	10	
#1434	OAK	10	
#1435	OAK	10	
#1436	OAK	10	
#1437	OAK	10	
#1438	OAK	10	
#1439	OAK	10	
#1440	OAK	10	
#1441	OAK	10	
#1442	OAK	10	
#1443	OAK	10	
#1444	OAK	10	
#1445	OAK	10	
#1446	OAK	10	
#1447	OAK	10	
#1448	OAK	10	
#1449	OAK	10	
#1450	OAK	10	
#1451	OAK	10	
#1452	OAK	10	
#1453	OAK	10	
#1454	OAK	10	
#1455	OAK	10	
#1456	OAK	10	
#1457	OAK	10	
#1458	OAK	10	
#1459	OAK	10	
#1460	OAK	10	
#1461	OAK	10	
#1462	OAK	10	
#1463	OAK	10	
#1464	OAK	10	
#1465	OAK	10	
#1466	OAK	10	
#1467	OAK	10	
#1468	OAK	10	
#1469	OAK	10	
#1470	OAK	10	
#1471	OAK	10	
#1472	OAK	10	
#1473	OAK	10	
#1474	OAK	10	
#1475	OAK	10	
#1476	OAK	10	
#1477	OAK	10	
#1478	OAK	10	
#1479	OAK	10	
#1480	OAK	10	
#1481	OAK	10	
#1482	OAK	10	
#1483	OAK	10	
#1484	OAK	10	
#1485	OAK	10	
#1486	OAK	10	
#1487	OAK	10	
#1488	OAK	10	
#1489	OAK	10	
#1490	OAK	10	
#1491	OAK	10	
#1492	OAK	10	
#1493	OAK	10	
#1494	OAK	10	
#1495	OAK	10	
#1496	OAK	10	
#1497	OAK	10	
#1498	OAK	10	
#1499	OAK	10	
#1500	OAK	10	
#1501	OAK	10	
#1502	OAK	10	
#1503	OAK	10	
#1504	OAK	10	
#1505	OAK	10	
#1506	OAK	10	
#1507	OAK	10	
#1508	OAK	10	
#1509	OAK	10	
#1510	OAK	10	
#1511	OAK	10	
#1512	OAK	10	
#1513	OAK	10	
#1514	OAK	10	
#1515	OAK	10	
#1516	OAK	10	
#1517	OAK	10	
#1518	OAK	10	
#1519	OAK	10	
#1520	OAK	10	
#1521	OAK	10	
#1522	OAK	10	
#1523	OAK	10	
#1524	OAK	10	
#1525	OAK	10	
#1526	OAK	10	
#1527	OAK	10	
#1528	OAK	10	
#1529	OAK	10	
#1530	OAK	10	
#1531	OAK	10	
#1532	OAK	10	
#1533	OAK	10	
#1534	OAK	10	
#1535	OAK	10	
#1536	OAK	10	
#1537	OAK	10	
#1538	OAK	10	
#1539	OAK	10	
#1540	OAK	10	
#1541	OAK	10	
#1542	OAK	10	
#1543	OAK	10	
#1544	OAK	10	
#1545	OAK	10	
#1546	OAK	10	
#1547	OAK	10	
#1548	OAK	10	
#1549	OAK	10	
#1550	OAK	10	
#1551	OAK	10	
#1552	OAK	10	
#1553	OAK	10	
#1554	OAK	10	
#1555	OAK	10	
#1556	OAK	10	
#1557	OAK	10	
#1558	OAK	10	
#1559	OAK	10	
#1560	OAK	10	
#1561	OAK	10	
#1562	OAK	10	
#1563	OAK	10	
#1564	OAK	10	
#1565	OAK	10	
#1566	OAK	10	
#1567	OAK	10	
#1568	OAK	10	
#1569	OAK	10	
#1570	OAK	10	
#1571	OAK	10	
#1572	OAK	10	
#1573	OAK	10	
#1574	OAK	10	
#1575	OAK	10	
#1576	OAK	10	
#1577	OAK	10	
#1578	OAK	10	
#1579	OAK	10	
#1580	OAK	10	
#1581	OAK	10	
#1582	OAK	10	
#1583	OAK	10	
#1584	OAK	10	
#1585	OAK	10	
#1586	OAK	10	
#1587	OAK	10	
#1588	OAK	10	
#1589	OAK	10	
#1590	OAK	10	
#1591	OAK	10	
#1592	OAK	10	
#1593	OAK	10	
#1594	OAK	10	
#1595	OAK	10	
#1596	OAK	10	
#1597	OAK	10	
#1598	OAK	10	
#1599	OAK	10	
#1600	OAK	10	
#1601	OAK	10	
#1602	OAK	10	
#1603	OAK	10	
#1604	OAK	10	
#1605	OAK	10	
#1606	OAK	10	
#1607	OAK	10	
#1608	OAK	10	
#1609	OAK	10	
#1610	OAK	10	
#1611	OAK	10	
#1612	OAK	10	
#1613	OAK	10	
#1614	OAK	10	
#1615	OAK	10	
#1616	OAK	10	
#1617	OAK	10	
#1618	OAK	10	
#1619	OAK	10	
#1620	OAK	10	
#1621	OAK	10	
#1622	OAK	10	
#1623	OAK	10	
#1624	OAK	10	
#1625	OAK	10	
#1626	OAK	10	
#1627	OAK	10	
#1628	OAK	10	
#1629	OAK	10	
#1630	OAK	10	
#1631	OAK	10	
#1632	OAK	10	
#1633	OAK	10	
#1634	OAK	10	
#1635	OAK	10	
#1636	OAK	10	
#1637	OAK	10	
#1638	OAK	10	
#1639	OAK	10	
#1640	OAK	10	
#1641	OAK	10	
#1642	OAK	10	
#1643	OAK	10	
#1644	OAK	10	
#1645	OAK	10	
#1646	OAK	10	
#1647	OAK	10	
#1648	OAK	10	
#1649	OAK	10	
#1650	OAK	10	
#1651	OAK	10	
#1652	OAK	10	
#1653	OAK	10	
#1654	OAK	10	
#1655	OAK	10	
#1656	OAK	10	
#1657	OAK	10	
#1658	OAK	10	
#1659	OAK	10	
#1660	OAK	10	
#1661	OAK	10	
#1662	OAK	10	
#1663	OAK	10	
#1664	OAK	10	
#1665	OAK	10	
#1666	OAK	10	
#1667	OAK	10	
#			



SITE LEGEND AND DETAILS

- PROJECT BOUNDARY LINE
- PROPERTY LINE
- BUILDING SETBACK LINE
- EOP
- SILT FENCE
- S01 5FT CONCRETE SIDEWALK
- S02 ACCESSIBLE STRIPING
- S05 PAVERS SIDEWALK DETAIL
- S09 WHEELCHAIR RAMP IN SIDEWALK AT CURB RETURN
- S010 PARKING PAINT STRIPING
- S011 TYPICAL PAVEMENT SECTION
- S012 PRECAST CONCRETE WHEEL STOP
- S015 ACCESSIBLE PARKING SIGN
- S016 REBORN CURB
- S018 STOP BAR
- S034 CONNECTION TO EXISTING PAVEMENT
- S039 MAINT CURB
- S01 SITE NOTES (SEE ARCHITECTURAL PLANS (TBD BY OTHERS))

DEVELOPMENT DATA

TOTAL PROPERTY AREA = 729,198 SF = 16.74 ACRES

TOTAL DEVELOPMENT AREA = 9.9 ACRES

TOTAL IMPERVIOUS AREA = 1,449,545 SF = 3.29 ACRES

TOTAL PROPOSED CONCRETE SIDEWALK = 40,265 SF = 0.24 ACRES

TOTAL PROPOSED POND = 37,354 SF = 0.86 ACRES

TOTAL PROPOSED IMPERVIOUS AREA (INCLUDES LOT5 DRIVEWAY) = 1,649 AC

PROPOSED 23 US ACRE RESIDENTIAL LOTS

PROPOSED 23 US ACRE RESIDENTIAL LOTS

GENERAL NOTES

1. ALL PAVING ARE TO BE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB. SIDEWALK IS 5FT WIDE
2. ALL ROAD ARE 5' UNLESS OTHERWISE NOTED.
3. MECHANICAL DUMPSTER/SOLID WASTE SCREENING STANDARDS SHALL BE IN ACCORDANCE WITH CHAPTER 3
4. PROPOSED SIGNS TO BE DESIGNED AND PERMIT IN COMPLIANCE WITH CHAPTER 9 OF THE CITRUS COUNTY LDC.
5. NO LIGHTNING IS PROPOSED AT THIS POINT. ANY FUTURE PROPOSED LIGHTNING WILL BE DESIGNED AND SUBMIT IN ACCORDANCE TO LIGHTNING STANDARD OF PART 9240

GENERAL PROJECT INFORMATION

PARCEL ID# 18518507-42800

OWNER: FREEDOM CAPITAL ALLIANCE, LLC

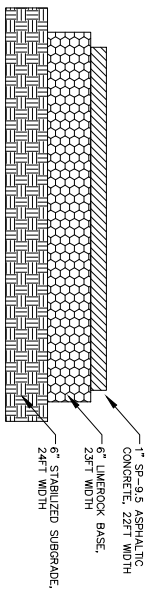
TOTAL AREA: 16.74 ACRES

CURRENT ZONING: LDR MH/LOW DENSITY RES-MH ALLOWED

BUILDING SETBACK: F 25', S 5', R 5'

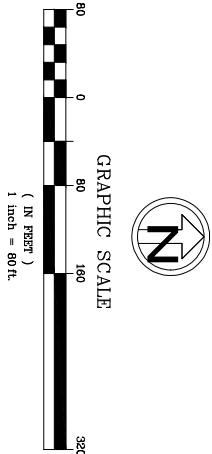
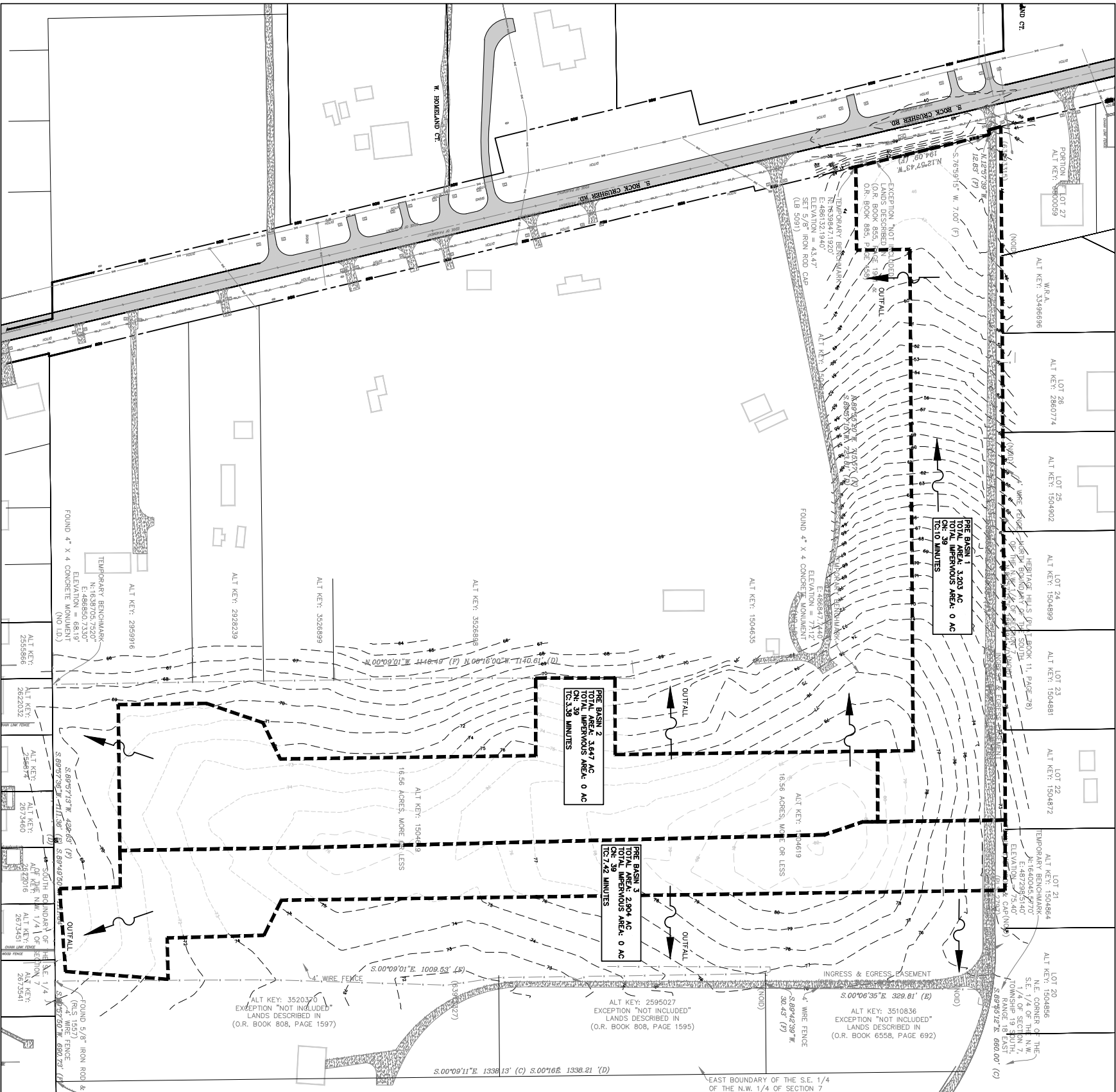
NOTE:

- * ALL MECHANICAL EQUIPMENT SCREENING WILL MEET THE REQUIREMENTS OF LDC SEC. 6.06.04.B.9.
- * ALL DUMPSTER ENCLOSURE SCREENING WILL MEET THE REQUIREMENTS OF LDC SEC. 6.06.04.B.8.
- * PAVING FOR BICYCLES WILL MEET THE REQUIREMENTS OF LDC SEC. 6.06.02.AN.6.03.00.
- * SIGNS WILL MEET THE REQUIREMENTS OF ORD 79-73 WHICH STATES ON-SITE SIGNS ARE LIMITED TO ONE SIGN NOT TO EXCEED 32 SQUARE FEET ADA.

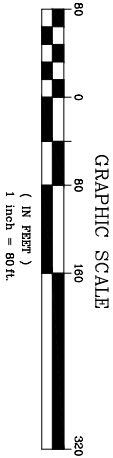
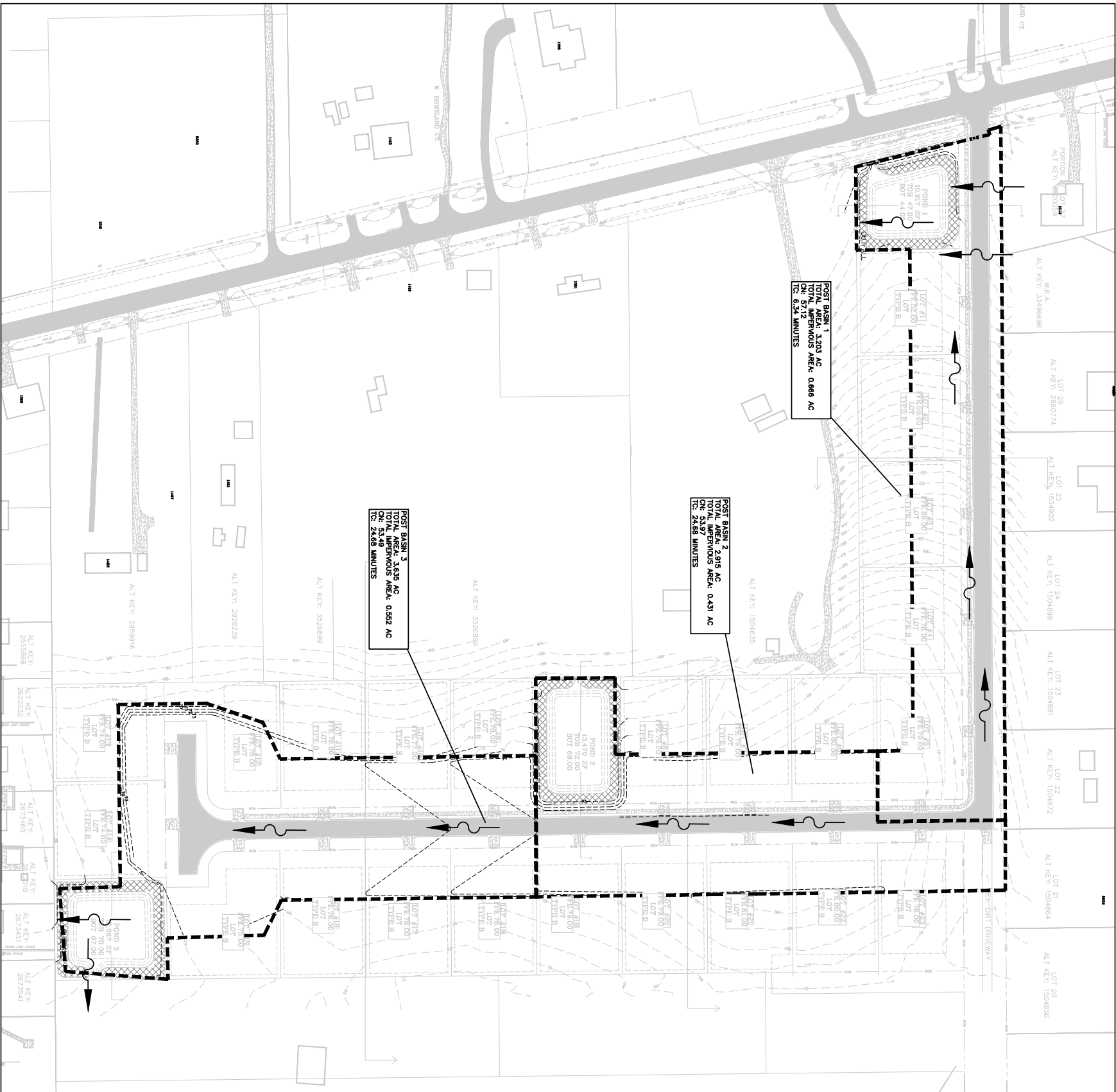


LOTS CONTROL POINT TABLE		
NORTHING	EASTING	
L1	1642756.3606	165913.9953
L2	1642757.3413	166064.9693
L3	1642811.6341	166050.0876
L4	1642813.2247	166217.0832
L5	1642758.3166	166214.9714
L6	1642759.2900	166363.9731
L7	1642814.6153	166363.0789
L8	1642816.0060	166517.0796
L9	1642760.2643	166514.9746
L10	1642761.2431	166665.8475
L11	1642640.2483	166666.8442
L12	1642817.3966	166667.0702
L13	1642762.4071	166844.8500
L14	1642841.4149	166846.4400
L15	1642520.4226	166846.0201
L16	1642519.2556	166668.3599
L17	1642399.2633	166669.9368
L18	1642400.4303	166849.6069
L19	1642279.4391	166951.1970
L20	1642278.2710	166671.5268
L21	1642157.2798	166673.1168
L22	1642158.4459	166852.7870
L23	1642037.4537	166854.3770
L24	1642036.2866	166674.7068
L25	1641915.2944	166676.2989
L26	1641916.4614	166855.9670
L27	1641796.6395	166657.5417
L28	1641794.3021	166677.8869
L29	1641630.6213	166678.4757
L30	1641472.5624	166682.1152
L31	1641437.9741	166820.1124
L32	1641632.2161	166817.4683
L33	1641633.7438	166955.4620
L34	1641473.1859	166958.1097
L35	1641636.5558	167093.5603
L36	1641796.0297	167097.7887
L37	1641794.8590	166917.5703
L38	1641915.8513	166915.9802
L39	1641917.0233	167098.412
L40	1642038.0168	167095.0272
L41	1642036.8435	166914.3902
L42	1642157.2357	166912.8002
L43	1642159.0104	167093.6432
L44	1642280.0040	167092.2601
L45	1642278.8279	166911.2102
L46	1642399.8202	166909.8201
L47	1642400.9976	167090.8819
L48	1642521.9943	167089.9841
L49	1642520.8124	166908.0201
L50	1642841.8046	166906.4401
L51	1642842.9893	167088.8152
L52	1642763.5828	167087.4338
L53	1642762.7968	166904.8501

POND CONTROL POINT TABLE		
NORTHING	EASTING	
P1	1642745.7975	165927.4948
P2	1642747.2465	166055.0852
P3	1642621.8006	166056.8782
P4	1642820.2851	165956.5551
P5	1642506.4544	166881.4150
P6	1642507.4692	166835.3276
P7	1642413.2837	166892.6397
P8	1642412.2167	166836.5167
P9	1641821.2951	166985.5485
P10	1641823.4605	167089.8096
P11	1641489.2689	167087.6437
P12	1641488.1779	166970.7656



PRE-DRAINAGE BASIN SUMMARY					
BASIN ID	AREA (SF)	AREA (AC)	IMPERVIOUS AREA (AC)	CN	TC (MIN)
01	138,526	3.203	0	39	10
02	158,871	3.647	0	39	3.38
03	126,478	2.904	0	39	7.42
TOTAL:		9.754			

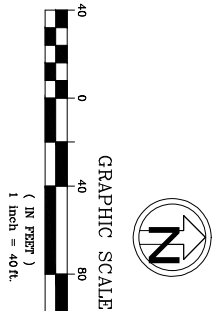
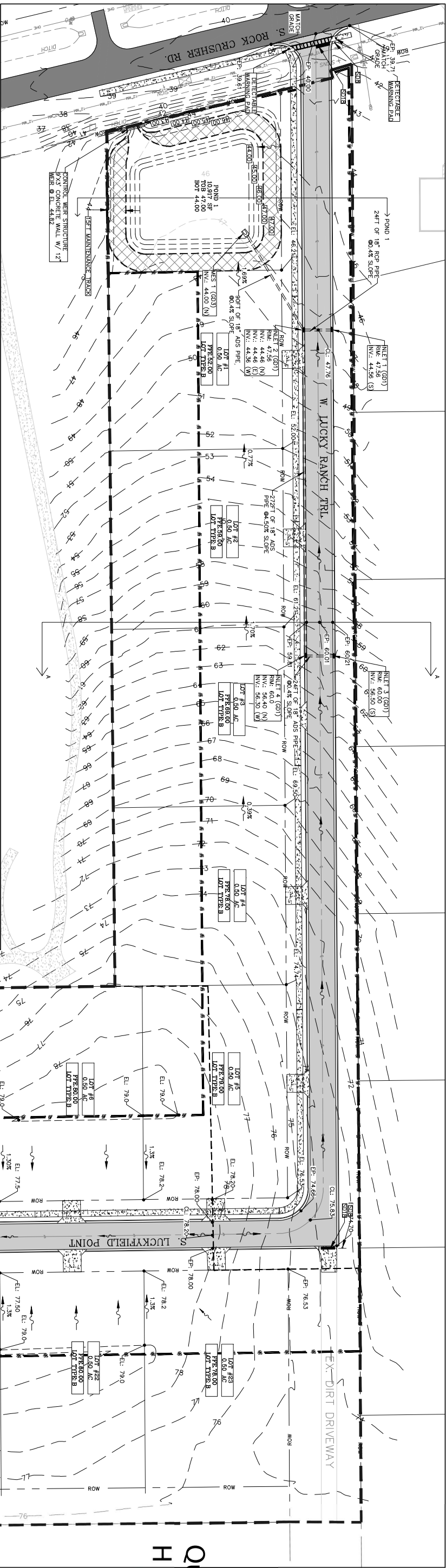


POST-DRAINAGE BASIN SUMMARY				
BASIN ID	AREA (AC)	UPPERIOUS AREA (AC)	CN	TC (MIN)
01	3.203	0.666	57.12	6.34
02	2.915	0.431	53.97	24.68
03	3.635	0.552	53.49	24.68
TOTAL:	9.754			

POST-POND 1 STAGE-AREA TABLE			
STAGE	AREA (SF)	AREA (AC)	
47.00	15,298	0.351	
46.00	13,401	0.308	
45.00	11,606	0.266	
44.00	9,933	0.228	
43.00	8,389	0.193	

POST-POND 2 STAGE-AREA TABLE			
STAGE	AREA (SF)	AREA (AC)	
72.00	14,937	0.343	
71.00	12,995	0.298	
70.00	11,174	0.257	
69.00	9,480	0.218	
68.00	7,915	0.182	

POST-POND 3 STAGE-AREA TABLE			
STAGE	AREA (SF)	AREA (AC)	
70.00	16,354	0.375	
69.00	14,575	0.330	
68.00	12,517	0.287	
67.00	10,787	0.246	
66.00	9,185	0.211	



POND 1 STAGE AREA TABLE		POND 2 STAGE AREA TABLE		POND 3 STAGE AREA TABLE	
STAGE	POND AREA (SF)	STAGE	POND AREA (SF)	STAGE	POND AREA (SF)
47.00	10,917	72.00	13,470	70.00	12,967
46.00	9,309	71.00	11,617	69.00	11,205
45.00	7,816	70.00	9,992	68.00	9,571
44.00	6,444	69.00	8,294	67.00	8,065
43.00	5,202	68.00	6,825	66.00	6,688

LEGEND

- EP= PRECAST TYPE "C" INLET
- POP= POP OFF OUTFALL INLET STRUCTURE
- WTER= WATER END SECTION
- EP-XX= SPOT ELEVATION
- FLOW= FLOW ARROW

GRADING DETAILS

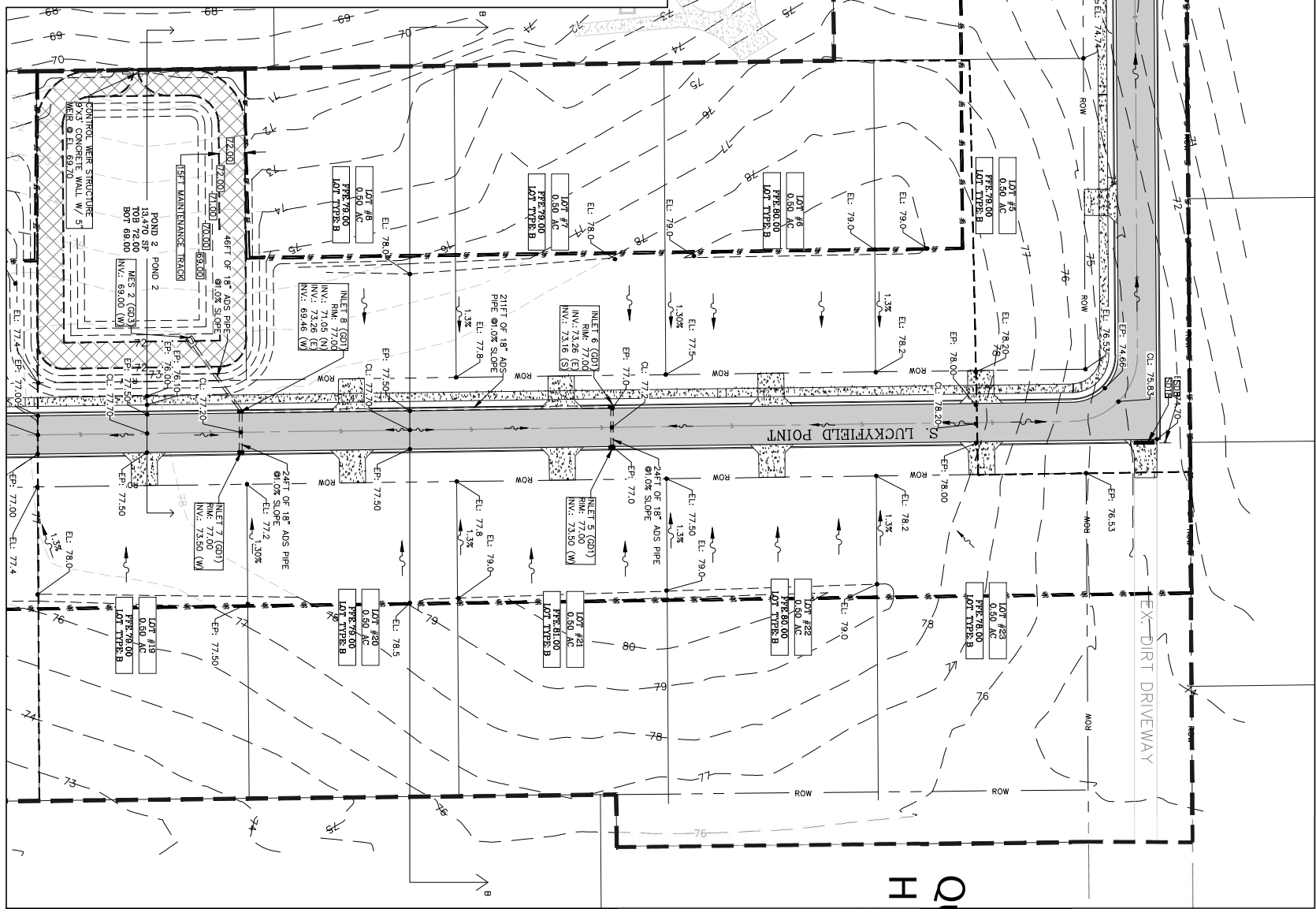
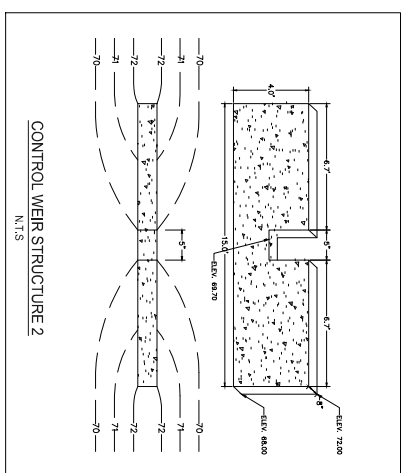
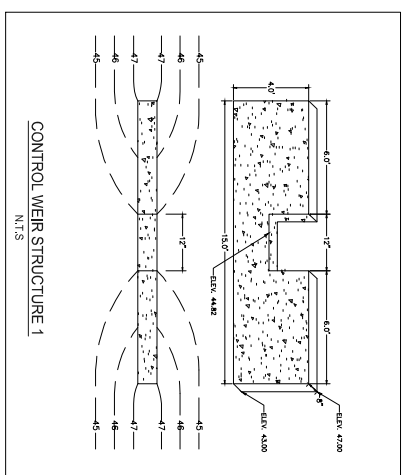
- EP= PRECAST TYPE "C" INLET
- POP= POP OFF OUTFALL INLET STRUCTURE
- WTER= WATER END SECTION
- EP-XX= SPOT ELEVATION
- FLOW= FLOW ARROW

GRADING NOTES

1. MATCH EXISTING ASPHALT
2. CONNECT TO EXISTING ROAD AT EXISTING GRADE
3. 2" PVC BLEED DOWN OFFICE PIPE TO BE BURRED AND UNDERGRADED WITH 18" ADS PIPE FOR 400' MINIMUM TO PERFORM BLEED DOWN FUNCTION.

SIDEWALK & ADA ACCESS NOTES

1. REQUIREMENTS ALONG ADA ACCESSIBLE ROUTES
2. CROSS SLOPES SHALL NOT EXCEED 2%
3. RUNNING SLOPES SHALL NOT EXCEED 5%
4. SLOPES BETWEEN 5% & 8.33% SHALL MEET THE RAMP REQUIREMENTS OF ADA.
5. ACCESSIBLE PARKING AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION.
6. INTERSECTING SIDEWALKS SHALL NOT EXCEED 2% IN ANY DIRECTION.
7. ANY SLOPE GREATER THAN 8.33% SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.

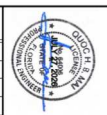


GRADING PLAN

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA
PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

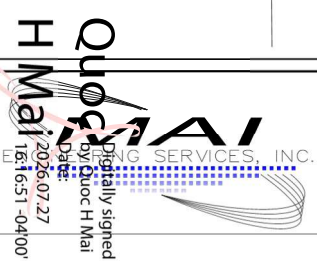
REVISIONS

NO.	REVISION
1	
2	
3	
4	
5	



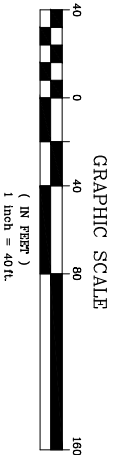
LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

Quoc H. Mai
2026.07.27
161651-0400



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086
PHONE (904)794-1760
FAX (904)794-1768
quoc@maengineer.com

DESIGN BY	QHM
DWG BY	AXA
CHECK BY	QHM
DATE	7/27/2026
JOB NO.	2375
SHEET NO.	6.1



LEGEND

- EOP
— SWALE
- - - - - EXISTING CONTOUR LOT LINE
- - - - - BUILDING SETBACK LINE

GRADING DETAILS

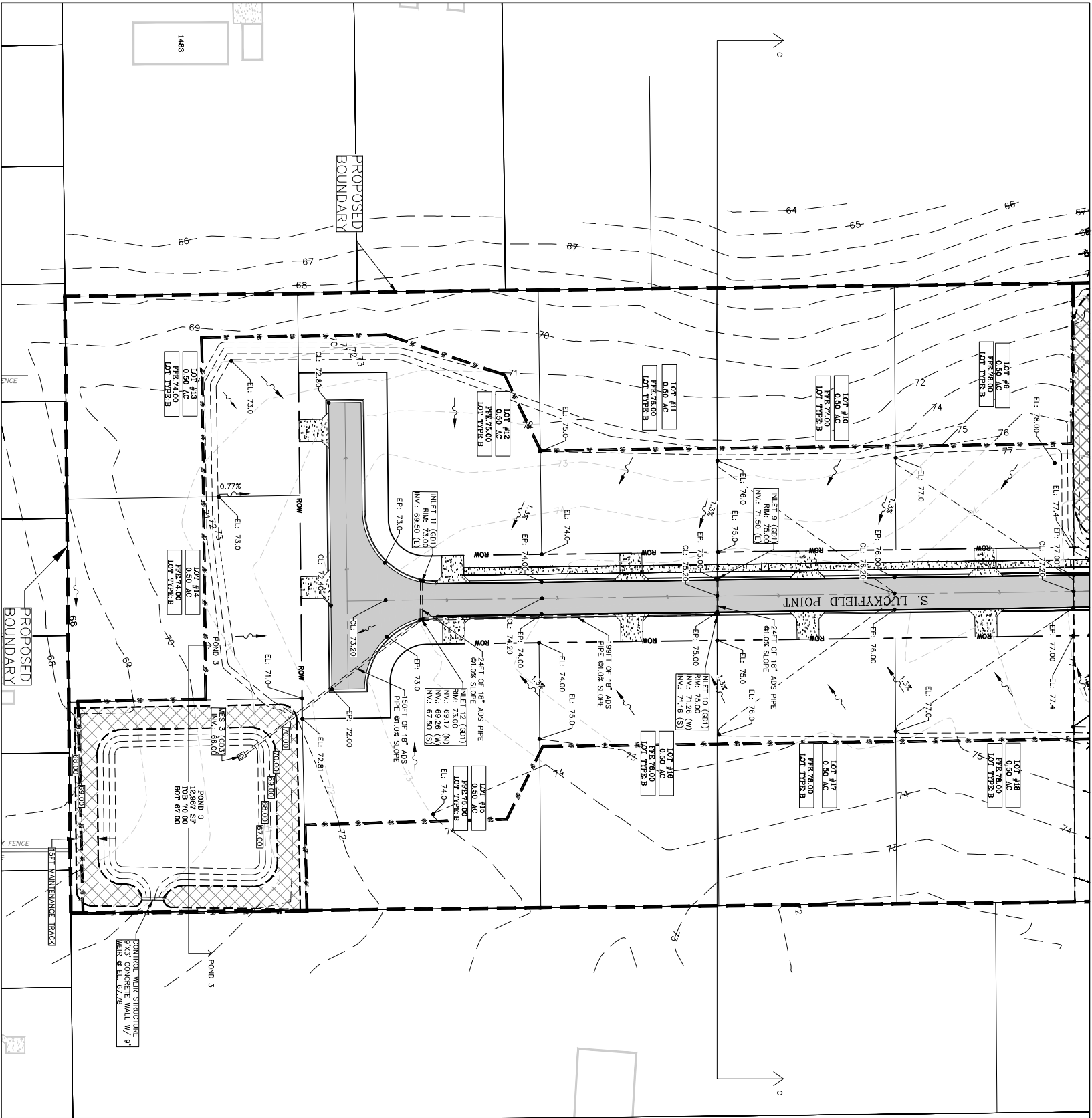
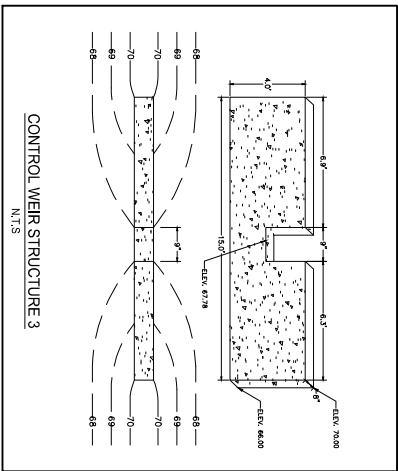
- G01 PRECAST TYPE "C" INLET
G02 POP OFF OUTFALL INLET STRUCTURE
G03 METER END SECTION
EP-XX SPOT ELEVATION
— FLOW ARROW

GRADING NOTES

- G1 MATCH EXISTING ASPHALT
G2 CONNECT TO EXISTING ROAD AT EXISTING GRADE
G3 2" PVC BLEED DOWN GRIFFICE PIPE TO BE BURIED
7" MIN. DRAINAGE PIPE TO BE INSTALLED
AND WRAPPED WITH FILTER FABRIC AND GRAVEL
TO PERFORM BLEED DOWN FUNCTION.

SIDEWALK & ADA ACCESS NOTES

- REQUIREMENTS ALONG ADA ACCESSIBLE ROUTES
- CROSS SLOPES SHALL NOT EXCEED 2%
 - RUNNING SLOPES SHALL NOT EXCEED 5%
 - SLOPES BETWEEN 5% & 8.33% SHALL MEET THE RAMP REQUIREMENTS OF ADA.
 - ACCESSIBLE PARKING AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION.
 - INTERSECTING SIDEWALKS SHALL NOT EXCEED 2% IN ANY DIRECTION.
 - ANY SLOPE GREATER THAN 8.33% SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.



POND 1 STAGE AREA TABLE	
STAGE	POND AREA (SF)
47.00	10,917
46.00	9,209
45.00	7,816
44.00	6,444
43.00	5,202

POND 2 STAGE AREA TABLE	
STAGE	POND AREA (SF)
72.00	13,470
71.00	11,617
70.00	9,892
69.00	8,294
68.00	6,825

POND 3 STAGE AREA TABLE	
STAGE	POND AREA (SF)
70.00	12,967
69.00	11,205
68.00	9,571
67.00	8,065
66.00	6,688

GRADING PLAN

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

REVISIONS

NO.	REVISION
1	
2	
3	
4	
5	

LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

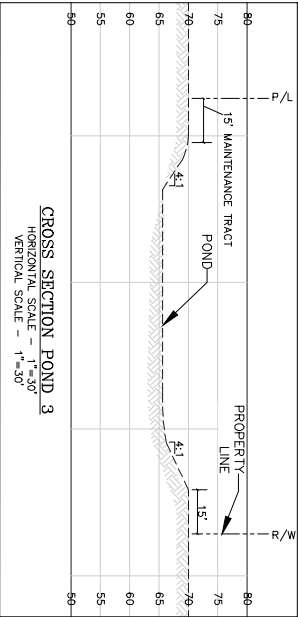
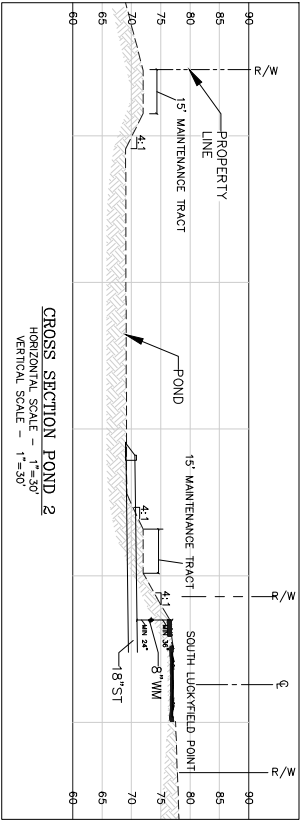
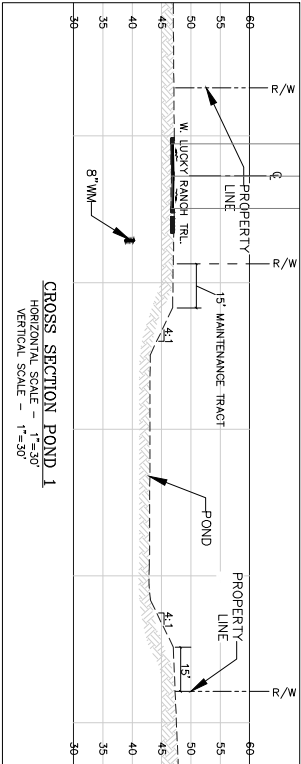
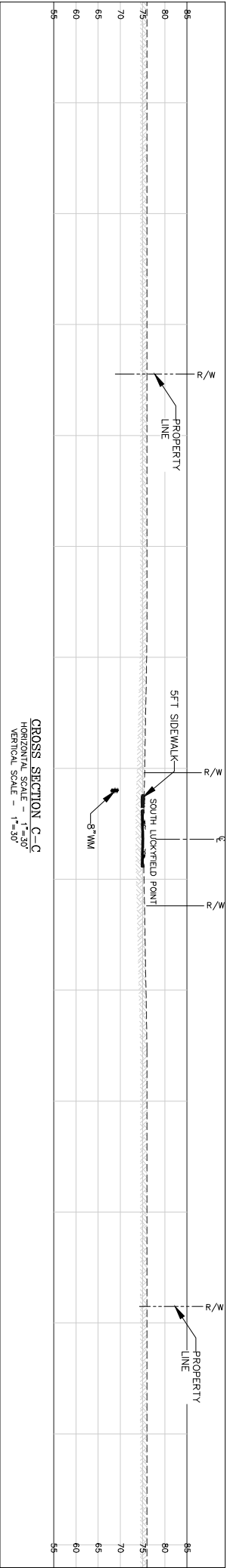
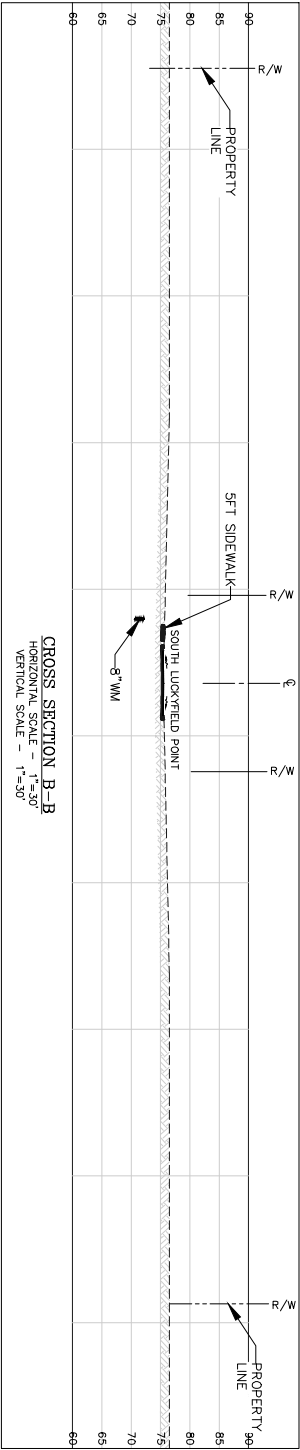
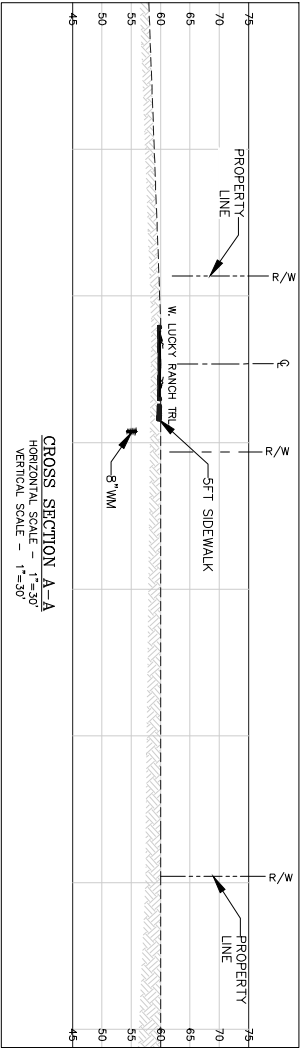


2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086

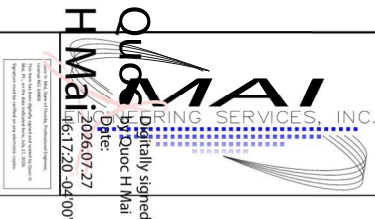
PHONE (904)794-1760
FAX (904)794-1768

quoc@maiengineer.com

DESIGN BY: QHM
DWG BY: AXA
CHECK BY: QHM
DATE: 5/29/2026
JOB NO.: 2375
SHEET NO.: 6.2



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086
PHONE (904)794-1760
FAX (904)794-1768
quoc@maiengineer.com

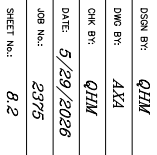


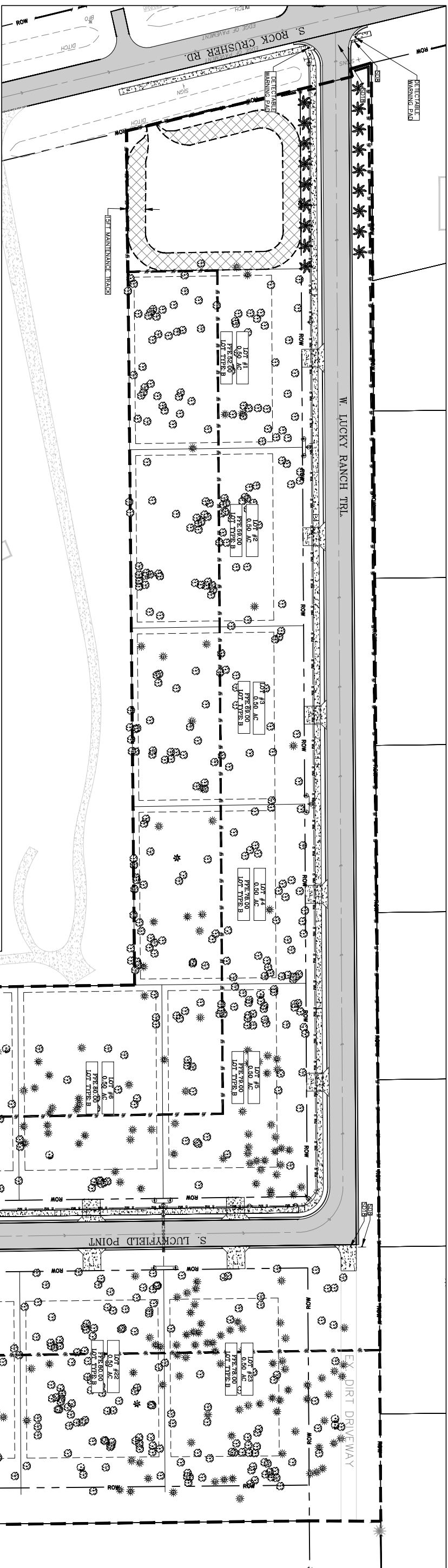
LICENSED ENGINEER
QUOC H. MAI
FL#64006 CA#28162

REVISIONS	
REVISION	
1	
2	
3	
4	
5	

CROSS SECTIONS
LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA
PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

SHEET	TITLE
DESIGN BY:	QHM
DWG BY:	AXA
CHK BY:	QHM
DATE:	7/27/2026
JOB NO.:	2375
SHEET NO.:	7





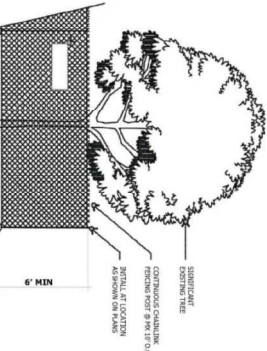
LEGEND

- | | |
|---|----------------|
|  | EXISTING CEDAR |
| | EXISTING CHERR |
|  | EXISTING ELM |
|  | EXISTING OAK |
| | EXISTING PALM |
|  | EXISTING PINE |

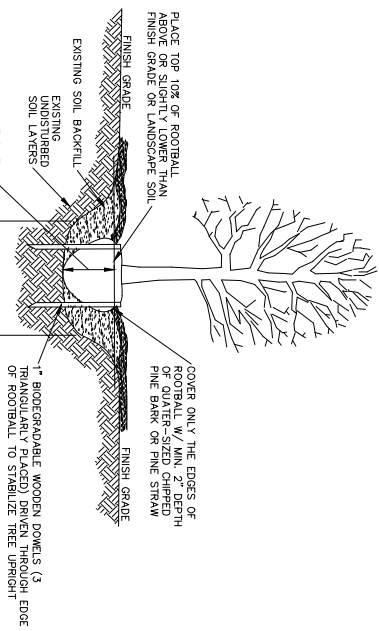
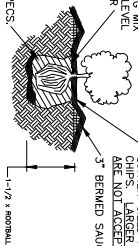
GENERAL LANDSCAPE NOTES

- [illegible]

LOT TREES TALLY	
LOT	TOTAL SAND TREES
1	74
2	64
3	53
4	73
5	82
6	48
7	52
8	69
9	70
10	60
11	64
12	85
13	70
14	53
15	101
16	83
17	85
18	67
19	68
20	86
21	66
22	112
23	101



SHRUB PLANTING



LANDSCAPE PLANTING SCHEDULE

LANDSCAPE PLANTING SCHEDULE						
KEY	QTY	TOTAL INCHES	SYMBOL	BOTANICAL/COMMON NAME	SPECIFICATION	NOTE
FLUJ	15	105		Cascade Fern Star Fern Bleeding Heart	6'00, min 15 h	Native / Foliage Foliage Foliage
MAGN	0	0		Madagascar Periwinkle (Southern Star)	Single Trunk & Healthy	Native / Foliage Foliage
OKC	0	0		Common Yucca (Southern Live Oak)	3' tall, min 10' H Single Trunk & Healthy	Native / Foliage Foliage

SEE SHEET 4A & 4B FOR REMOVED & SAVED TREES TABLE

LANDSCAPE CALCULATIONS

TOTAL SAVED TREE:	1,761 TREES
TOTAL REMOVED PLANTING TREE: 18 TREES	
(CANNOT REESE+PALM= 18)	
TOTAL PROVIDED TREE:	1,779 TREES
TOTAL REMOVED TREE:	622 TREES
TOTAL TREE MITIGATION:	325/TREE = \$15,100

REVISIONS

<i>REVISIONS</i>	
	<i>REVISION</i>
<i>1</i>	
<i>2</i>	
<i>3</i>	
<i>4</i>	
<i>5</i>	

LANDSCAPE PLAN

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086

PHONE (904)794-1760
FAX (904)794-1768

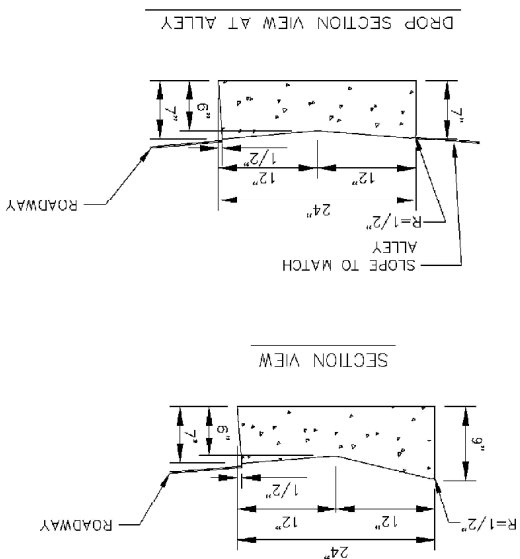
quoc@maiengineer.com

LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

DSGN BY:	QHM
DWG BY:	AXA
CHK BY:	QHM
DATE:	5/29/2026
JOB No.:	2375
SHEET No.:	9.1

Missing or invalid reference
File: .\106.pdf
Sheet: 1

STABILIZED CONSTRUCTION ENTRANCE	EC1
N.T.S	



NOTES:

1. WHEN REMOVING EXISTING CURB, THE CURB SHALL BE SAW CUT AT THE NEAREST CONSTRUCTION JOINT AND A FULL SECTION OF CURB REPLACED.
2. INSTALL EXPANSION JOINTS AT 50' INTERVALS, STRIKE CONSTRUCTION JOINTS AT 10' INTERVALS.

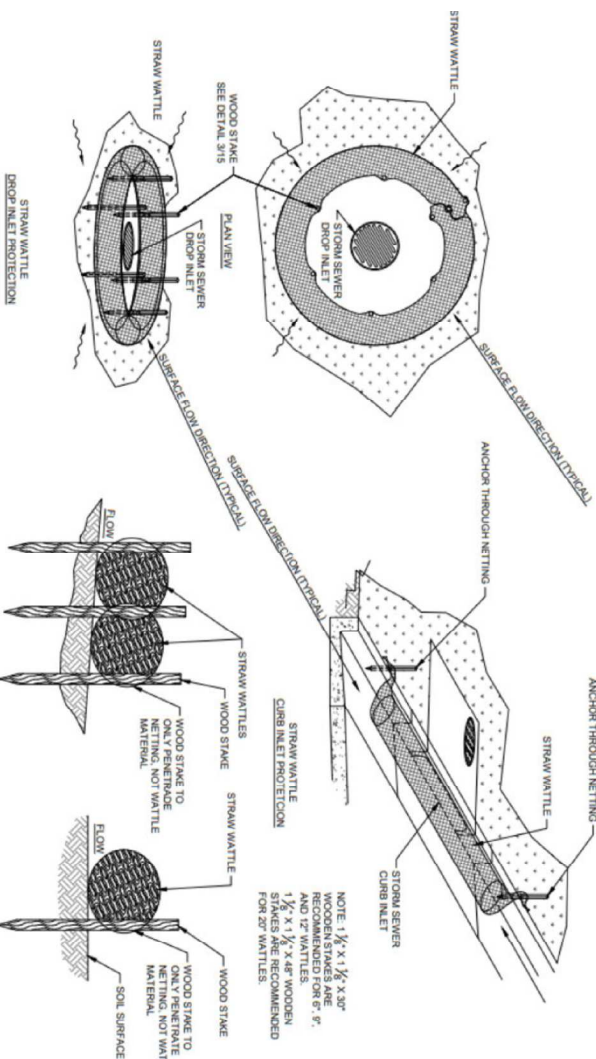
REVISION	DATE	TRANSPORTATION TECHNICAL MANUAL
----------	------	---------------------------------------

**MIAMI CURB SECTION
TYPICAL DETAILS**

DRAWING NO. **TD-5**

SHEET NO. 1 OF 3

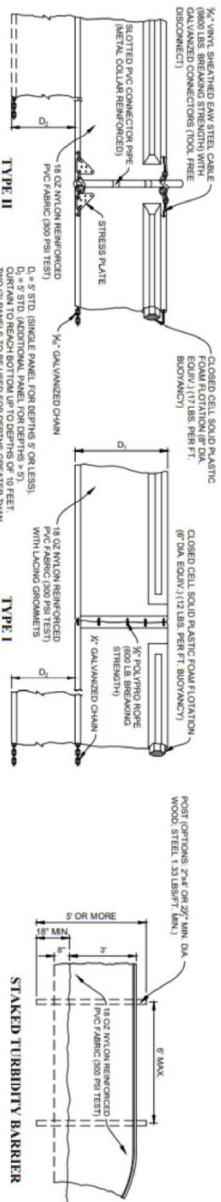
MIAMI CURB DETAIL



WATTLE INLET PROTECTION	EC3
N.T.S	

N.T.S

EC3

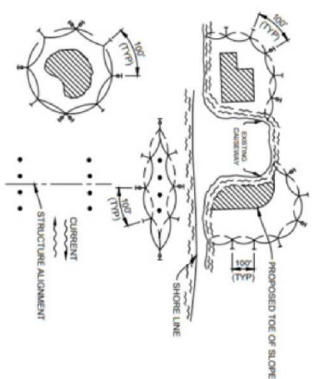


NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

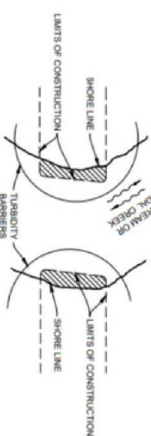
LEGEND

- PILE LOCATIONS
-  DREDGE OR FILL AREA
-  MOORING BUOY W/ANCHOR
-  ANCHOR
-  BARRIER MOVEMENT DUE TO CURRENT ACTION



1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BOIES OF WATER REGARDLESS OF WATER DEPTH.
2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SIGHTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. FOR ADDITIONAL INFORMATION SEE SECTION 104 OF THE STANDARD SPECIFICATIONS.

TURBIDITY BARRIER APPLICATIONS



NOTE: OBSTRUCTION BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING OR STAKED TYPES, OR A COMBINATION OF TYPES THAT WILL SUIT SCOURING AND WEED GROWTH CONTROL, AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTOR'S OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS. HOWEVER PAYMENT WILL BE UNDER THE PAY ITEMS LISTED FOR THE BARRIER TYPES. BARRIERS MUST BE CONSTRUCTED TO BE STAKED UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE SPECIFIED, UNBARRIER POSTS IN STAKED OBSTRUCTION BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

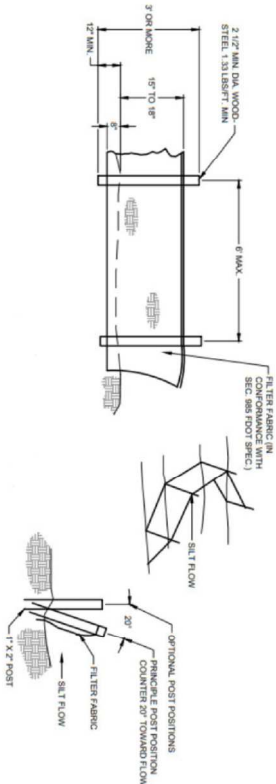
GENERAL NOTES

1. FLOATING TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR FLOATING TURBIDITY BARRIER, LF.
2. STAKED TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED TURBIDITY BARRIER, LF.

TYPE III SILT FENCE

EC2

N.T.S



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086

PHONE (904)794-1760
FAX (904)794-1768

quoc@maiengineer.com



LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

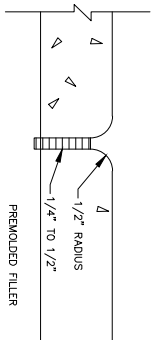
REVISIONS		
		REVISION
1		
2		
3		
4		
5		

EROSION CONTROL DETAILS

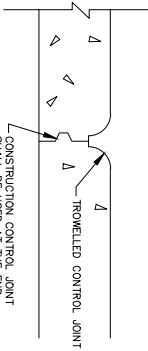
LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

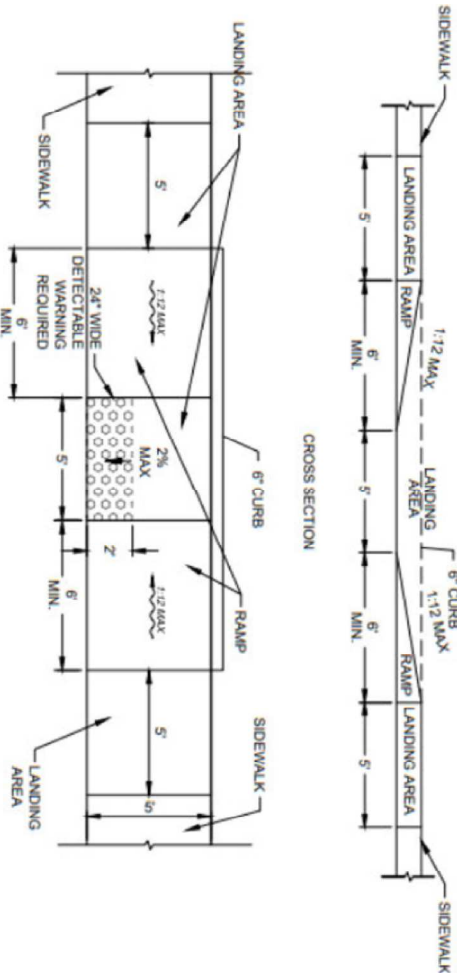
DISGN BY:	<i>QHM</i>
DWG BY:	<i>AXA</i>
CHK BY:	<i>QHM</i>
DATE:	<i>5/29/2026</i>
JOB No.:	<i>2375</i>
SHEET No.:	<i>11</i>



EXPANSION JOINT DETAIL
NOT TO SCALE
EXPANSION JOINT DETAIL

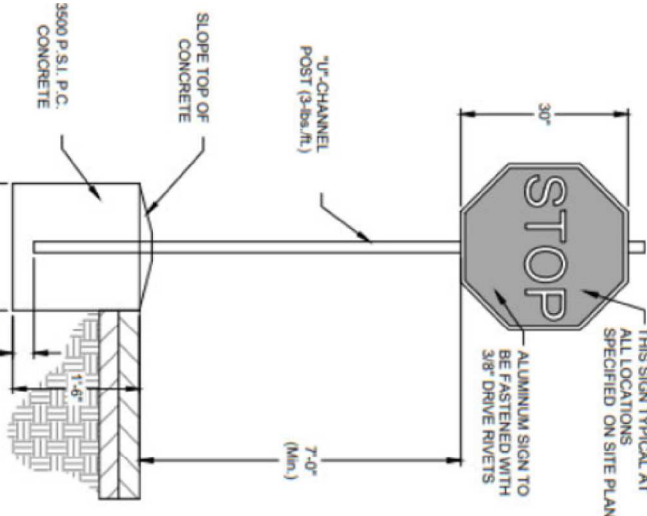


CONSTRUCTION CONTROL JOINT DETAIL
NOT TO SCALE

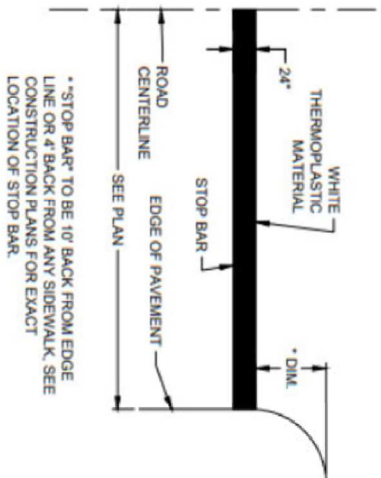


- NOTES:
1. THE SURFACE OF RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
 2. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
 3. CONSTRUCT PER A.D.A. STANDARDS.
 4. DETECTABLE WARNING SURFACE SHALL BE "SAFETY YELLOW" COMPOSITE MATERIAL ANCHORED IN THE RAMP. WARNING SURFACE SHALL BE SET INTO THE CONCRETE AND BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES.
 5. DETECTABLE WARNING SURFACE TO BE CAST IN PLACE COMPOSITE TACTILE BY ADA SOLUTIONS, INC. OR CAST IN PLACE DETECTABLE WARNING PANEL BY ARMORCAST.
 6. DETECTABLE WARNING AREA SHALL CONFORM TO FOOT STANDARD INDEX 522-002 AND 28 CFR PART 36 APPENDIX A, LATEST REVISION.

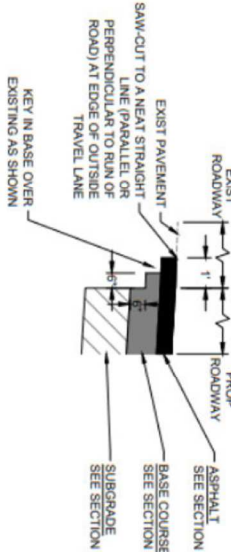
WHEELCHAIR RAMP IN SIDEWALK
N.T.S.



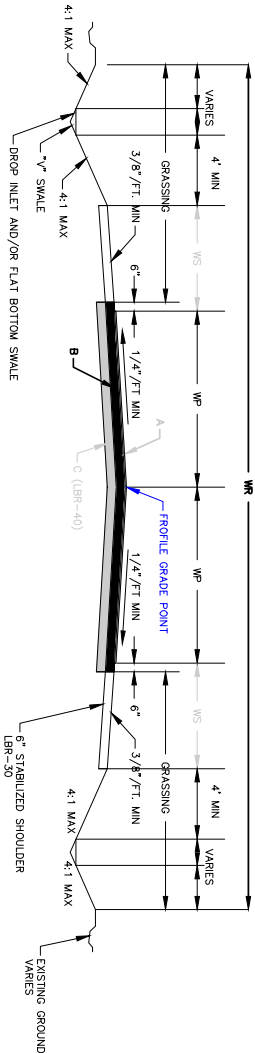
STOP SIGN
N.T.S.



STOP BAR
N.T.S.



CONNECT TO EXISTING PAVEMENT
N.T.S.



MINIMUM DESIGN CRITERIA

WR = WIDTH OF RIGHT-OF-WAY = 60 FT OR 50 FT WITH CURB AND GUTTER

WP = WIDTH OF PAVEMENT LANE = 10 FT.

WS = WIDTH OF SHOULDER = 6 FT.

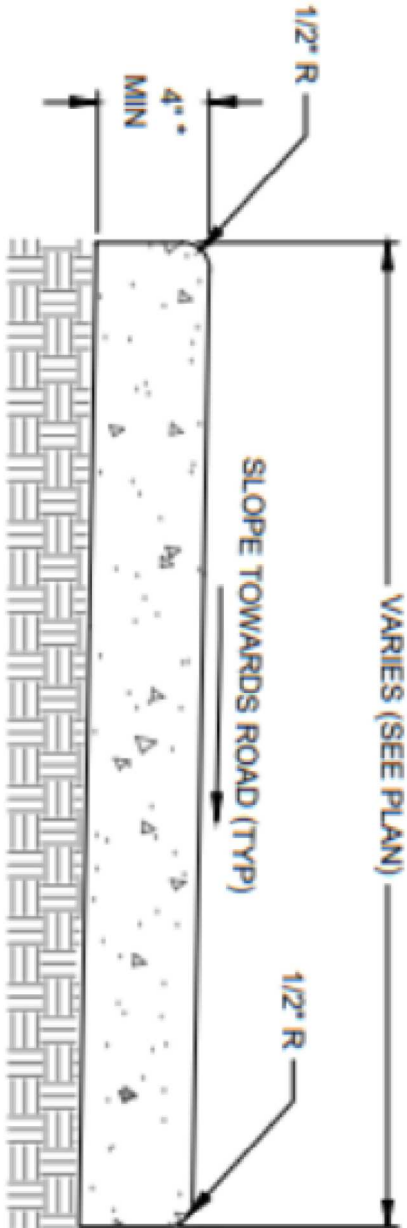
A = SP = 0.5 ASPHALTIC CONCRETE/THICKNESS = 1"

B = LIKEROCK BASE/WIDTH = 21 FT./THICKNESS = 6"

C = STABILIZED SUBGRADE/WIDTH = 22 FT./THICKNESS = 6"

ALL WORK SHALL CONFORM TO CURRENT CITRUS COUNTY SPECIFICATIONS OR, IF NONE, TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, IN ACCORDANCE WITH CURRENT STATE OF FLORIDA SPECIFICATIONS.

TYPICAL SECTION (6.1.5)
2-LANE ROAD
DESIGN SPEED 40 MPH
USE WHEN TRAFFIC
PROJECTIONS ARE 0 TO 499 AOT



- NOTES:**
1. DISTANCE BETWEEN SCORE LINE NOT TO EXCEED 5' IN LONGITUDINAL & TRAVERSE DIRECTION IN SIDEWALK.
 2. SIDEWALK IS TO BE CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI.
 3. MAX 2% CROSS SLOPE PER ADA.
- * SIDEWALK SHALL BE 6" THICK AT DRIVEWAY.**

CONCRETE SIDEWALK DETAIL
N.T.S.

GENERAL DETAILS

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

REVISIONS

NO.	REVISION
1	
2	
3	
4	
5	

LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

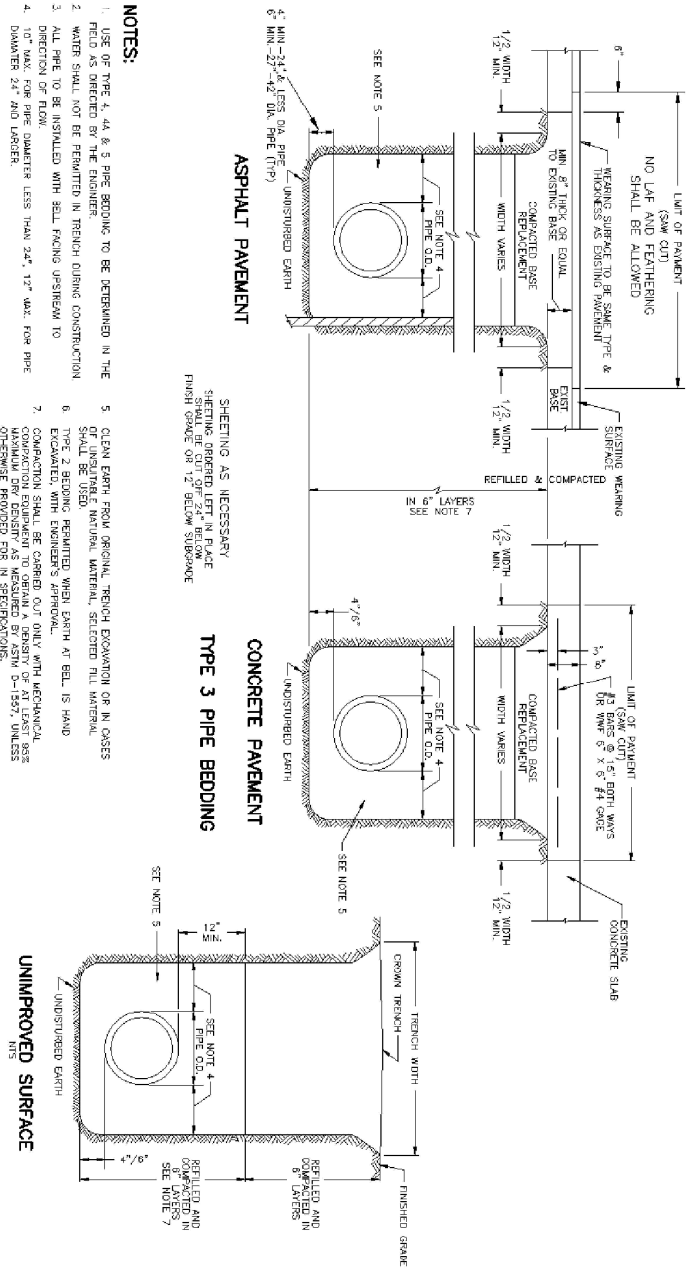


2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086

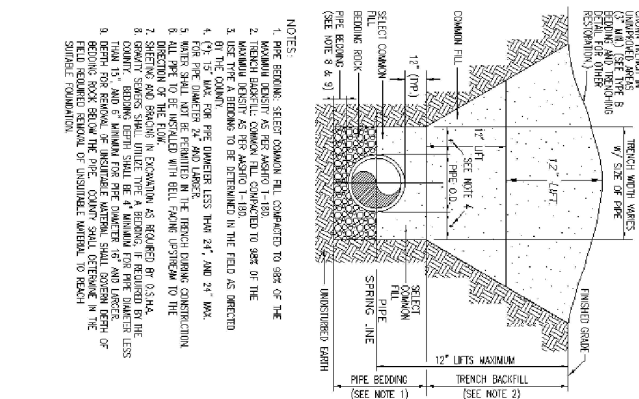
PHONE (904)794-1760
FAX (904)794-1768

quoc@maiengineer.com

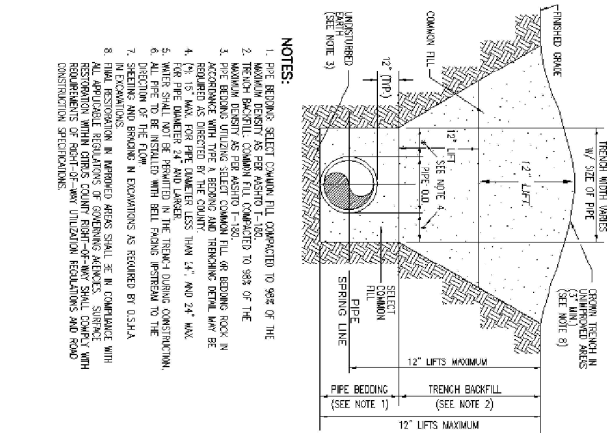
DESIGN BY	QHM
DWG BY	AXA
CHECK BY	QHM
DATE	5/29/2026
JOB NO.	2375
SHEET NO.	12



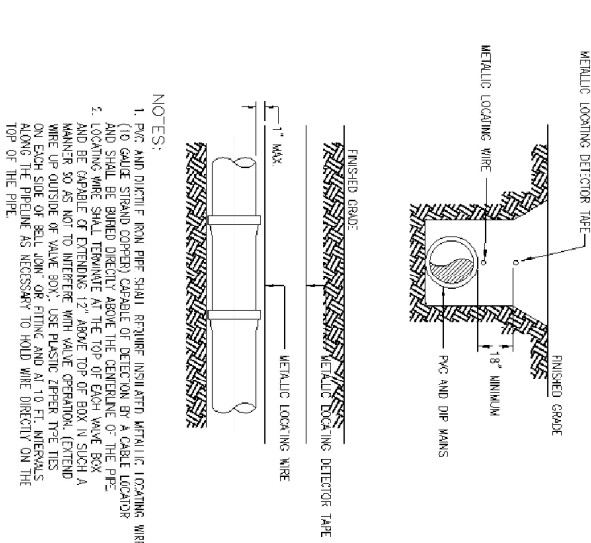
TYPICAL TRENCH EXCAVATION AND PAVEMENT REPLACEMENT
DETAIL No.III-1



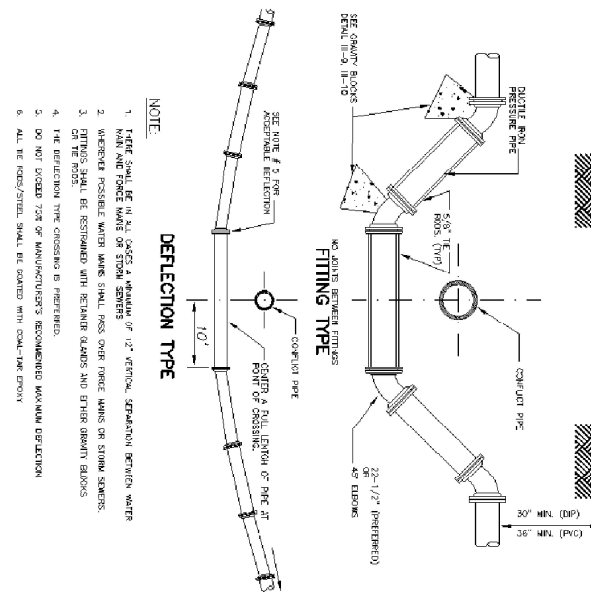
TYPE A BEDDING AND TRENCHING DETAIL
DETAIL No.III-2



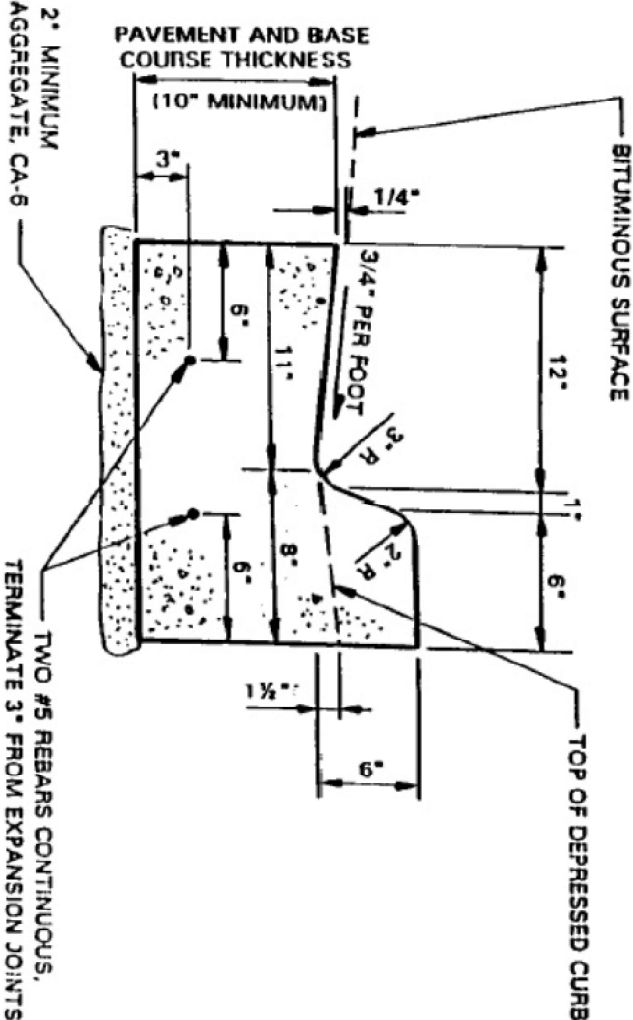
TYPE B BEDDING AND TRENCHING DETAIL
DETAIL No.III-3



PVC & DIP PIPE LOCATING WIRE AND TAPE DETAIL FOR POTABLE WATER AND WASTEWATER FORCE MAINS
DETAIL No.III-8
REVISED JULY 2004



UTILITY SEPARATION
DETAIL No.III-11
REVISED SEPT. 2004



2" MINIMUM AGGREGATE, CA-6
TERMINATE 3" FROM EXPANSION JOINTS.
TWO #5 REBARS CONTINUOUS.
MIAMI CURB DETAIL SD39
N.T.S.

SHT NO.
DT-2

2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086
PHONE (904)794-1760
FAX (904)794-1768
quoc@maiengineer.com



LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

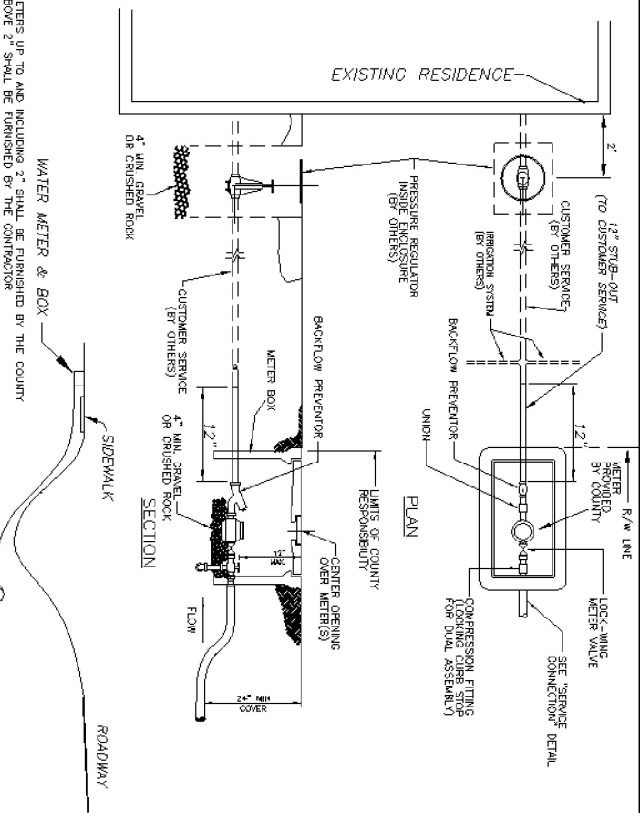
REVISIONS

NO.	REVISION
1	
2	
3	
4	
5	

UTILITY DETAILS

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA
PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

DESIGN BY	QH/M
DWG BY	AXA
CHECK BY	QH/M
DATE	5/29/2026
JOB NO.	2375
SHEET NO.	13

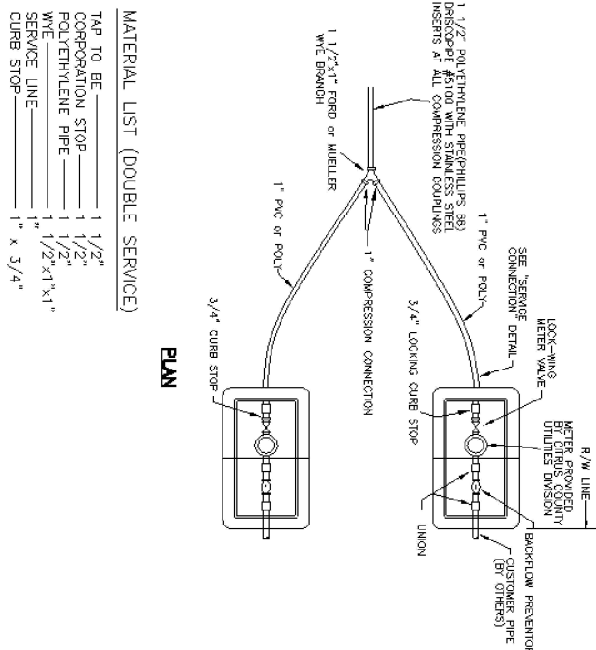


NOTES:

1. METER BOXES WILL BE SET AT FINISHED GRADE (ALLOWING FOR SLO).
2. THE MINIMUM ELEVATION FROM THE BOTTOM OF THE SMILE TO THE LOW END OF THE METER BOX WILL BE 1' FT.
3. THERE IS TO BE NO STICKING OF METERS BOXES. THE SERVICE WILL BE RAISED SO THAT IT STAYS INSIDE A SINGLE METER BOX AND NOT BELOW IT.
4. THE BOTTOM OF METERS CANNOT BE SET LOWER THAN THE BOTTOM OF THE METERS BOX.
5. MINIMUM 18" COVER OVER WATER LINE SERVICE.
6. IT IS THE RESPONSIBILITY OF THE HOME OWNER TO INSTALL A PRESSURE REGULATOR WITHIN A RECOMMENDED DISTANCE OF 2' OF THE RESIDENCE.
7. THE PRESSURE REGULATOR SHALL BE INSTALLED IN THE SERVICE LINE AFTER ANY CONNECTIONS TO AN IRRIGATION SYSTEM.
8. NO CONNECTIONS OF ANY KIND SHALL BE MADE WITHIN 12" OF THE BACKFLOW DEVICE.
9. THE PREZREDUCED PRESSURE BACKFLOW PREVENTION DEVICE) SHOULD BE THE SAME SIZE AS THE METER.
10. THE SERVICE LINE SHOULD BE RUN IN A STRAIGHT LINE AND BE PLACED PERPENDICULAR TO THE WATER MAIN LEADING FROM THE WATER MAIN CONNECTION TO THE SERVICE LOCATION ON THE OWNER'S PROPERTY.

**RESIDENTIAL SINGLE SERVICE
WATER METER DETAIL**

DETAIL No.IV-1
REVISED NOV. 2005



MATERIAL LIST (DOUBLE SERVICE)

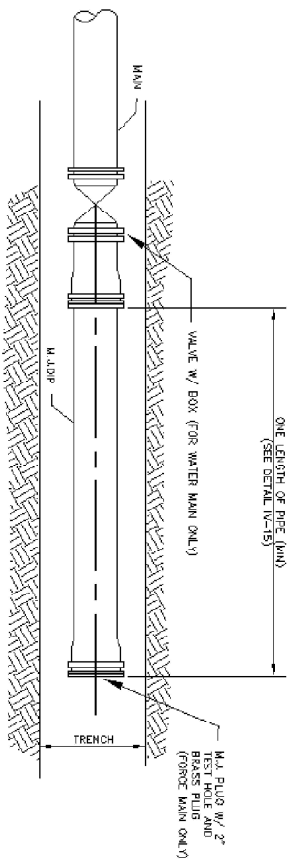
TAP TO BE	1 1/2"
CORPORATION STOP	1 1/2"
POLYETHYLENE PIPE	1 1/2"
WYE	1" x 1/2" x 1"
SERVICE LINE	1"
CURB STOP	1" x 3/4"

NOTES:

1. ALL METERS SHALL BE SUPPLIED BY THE COUNTY IN SIZES 3/4"x5/8" THRU AND INCLUDING 2". EXCEPT AS MAY BE OTHERWISE STIPULATED BY THE UTILITIES DIVISION.
2. SINGLE SERVICE LINES SHALL BE A MINIMUM OF 1' FROM THE TAPPING SADDLE TO THE CURB-STOP.
3. DUAL SERVICE LINES SHALL BE A MINIMUM OF 1 1/2' FROM THE TAPPING SADDLE TO THE CURB-STOP.
4. ALL COMMERCIAL/INDUSTRIAL SERVICE LINES SHALL BE A MINIMUM OF 2' FROM THE TAPPING SADDLE TO THE CURB-STOP.
5. METERS SHOWN ON DETAIL No.IV-1 (SINGLE SERVICES) ALSO APPLY TO DOUBLE SERVICES.
6. THE PREZREDUCED PRESSURE BACKFLOW PREVENTION DEVICE) SHOULD BE THE SAME SIZE AS THE METER.
7. THE 1 1/2" SERVICE LINE SHOULD BE RUN IN A STRAIGHT LINE AND BE PLACED PERPENDICULAR TO THE WATER MAIN LEADING FROM THE WATER MAIN CONNECTION TO THE SERVICE LINE WYE BRANCH.

**RESIDENTIAL DOUBLE SERVICE
WATER METER DETAIL**

DETAIL No.IV-2
REVISED NOV. 2005



PLAN

NOTES:

1. TERMINAL END SHALL BE MECHANICALLY RESTRAINED. THE NUMBER OF PIPE LENGTHS TO BE RESTRAINED SHALL BE BASED ON THE ENGINEER'S DESIGN AND/OR CITRUS COUNTY U.D. REQUIREMENTS. SEE DETAIL IV-15 FOR LENGTHS OF PIPE TO BE RESTRAINED.
2. BLOW OFF CONNECTION IS REQUIRED ON ALL WATER MAIN TERMINAL ENDS. SEE TERMINAL END BLOWOFF DETAIL.

TERMINAL END DETAIL

DETAIL No.IV-8
REVISED DECEMBER 2004

UTILITY DETAILS

LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA
PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162



2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086
PHONE (904)794-1760
FAX (904)794-1768
quoc@maiengineer.com

DESIGN BY:	QHM
DWG BY:	AXA
CHECK BY:	QHM
DATE:	5/29/2026
JOB NO.:	2375
SHEET NO.:	15

2510 US 1 SOUTH SUITE D
ST. AUGUSTINE, FL 32086

PHONE (904)794-1760
FAX (904)794-1768

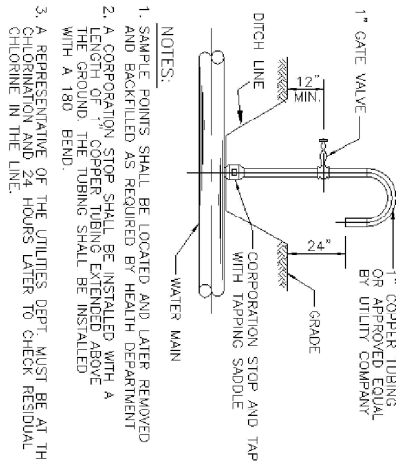
quoc@maiengineer.com



LICENSED ENGINEER
QUOC H. MAI
FL.#64006 CA#28162

BACTERIOLOGICAL
SAMPLING POINT

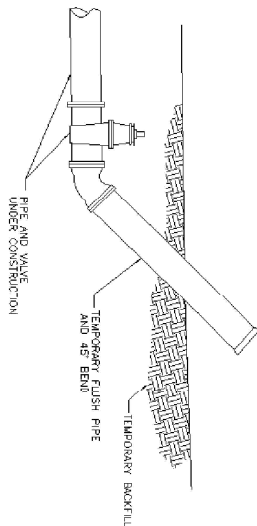
DETAIL No. IV-21



1. SAMPLE POINTS SHALL BE LOCATED AND LATER REMOVED AND BACKFILLED AS REQUIRED BY HEALTH DEPARTMENT
2. A CORPORATION STOP SHALL BE INSTALLED WITH A LENGTH OF 1" COPPER TUBING EXTENDED ABOVE THE GROUND. THE TUBING SHALL BE INSTALLED WITH A 180 DEGREE BEND.
3. A REPRESENTATIVE OF THE UTILITIES DEPT. MUST BE AT THE CHLORINATOR AND 24 HOURS LATER TO CHECK RESIDUAL CHLORINE IN THE LINE.

CANNON FLUSHING DETAIL

DETAIL No.IV-20



1. UPON COMPLETION OF THE PIPE INSTALLATION FOR ANY SECTION, THE CONTRACTOR SHALL PROCEED TO THE NEXT SECTION. THE PIPING MATERIAL BE ACHIEVING A MINIMUM VELOCITY OF 4.5 FEET PER SECOND IN THE PIPE. MAINS MAY BE EITHER TEMPORARILY AND ABOVE GRADE OR TEMPORARY TRENCHES, PIPE, ETC., MAY BE USED TO FACILITATE CONTEMPORARY FLOWING.
2. INSTALL A 45° BEND AND ASSOCIATED PIPING AS SHOWN TO DIRECT THE FLOWING WATER AWAY FROM THE IMMEDIATE WORK AREA AND EXERCISE CARE SO AS NOT TO EXHAUST THE WATER USED IN FLOWING. DOES CROSS A TRENCH OR UNDER EXISTING DRIVE.
3. BENDS AND PIPING SHALL BE THE SAME SIZE AS THE LINE TO BE FLOWED.
4. PRIOR TO THE ACTUAL LINE FLOWING OPERATION, THE CONTRACTOR SHALL PROPERLY NOTIFY THE U.D. INSPECTOR OF SUCH INTENDED WATER USE.
5. NO EXISTING VALVES SHALL BE TURNED ON OR OFF, EXCEPT BY AUTHORIZED U.D. PERSONNEL.
6. FLOWING SHALL NOT BE ACCOMPLISHED WITHOUT THE ACTUAL PRESENCE OF THE U.D. INSPECTOR.

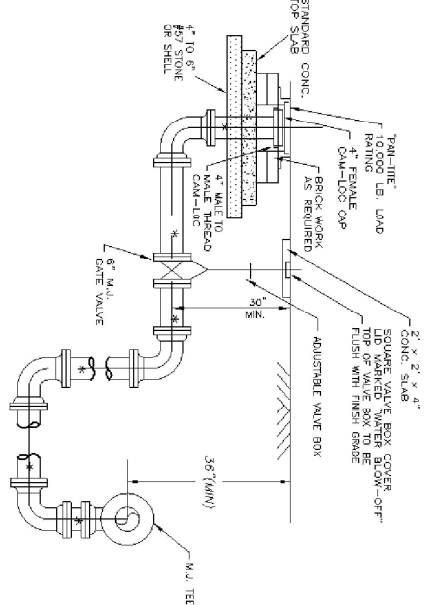
AFTER THE LINE UNDER CONSTRUCTION HAS BEEN SUCCESSFULLY FLOWED, THE CONTRACTOR SHALL REMOVE THE TEMPORARY PIPING ARRANGEMENT AND PROCEED WITH THE REMAINING CONSTRUCTION AS SPECIFIED.

ALL PIPING SHALL BE MECHANICALLY INSTALLED IN ACCORDANCE WITH U.D. STANDARDS. THE NUMBER OF PIPE ELBOWS TO BE RETAINED SHALL BE DETERMINED BY THE U.D. INSPECTOR.

SEE SPECIFICATIONS, SECTION VI, SUB-SECTION 350, ARTICLE 36.12.

IN LINE BLOW-OFF DETAIL

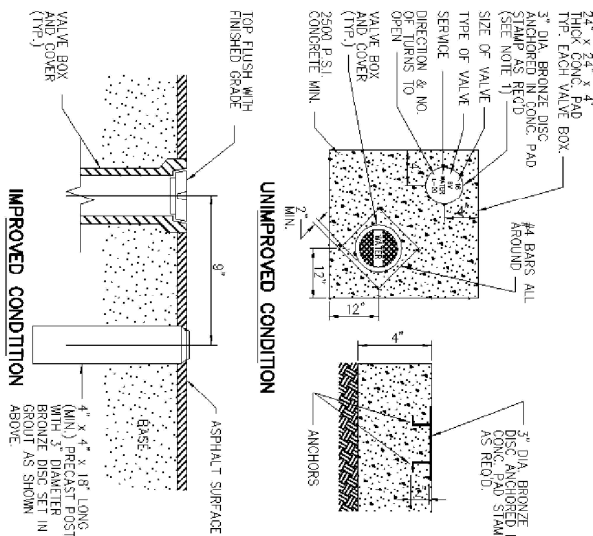
DETAIL No.IV-19



NOTE: RESTRAINED JOINTS FOR ALL 6" PIPES

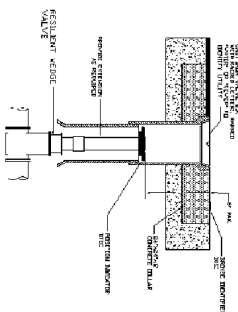
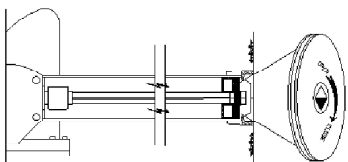
VALVE AND COLLAR DETAIL

DETAIL No.IV-17



1. BRONZE IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES 4" AND LARGER, OR AS REQUIRED BY THE U.D. FOR CRITICAL OFFSITE VALVES.
2. VALVE COLLAR DIMENSIONS MAY BE REDUCED TO 18" X 18" X 4" WHEN THE BRONZE IDENTIFICATION DISC IS NOT REQUIRED (AS DETERMINED BY THE COUNTY).

VALVE AND BOX

[illegible]

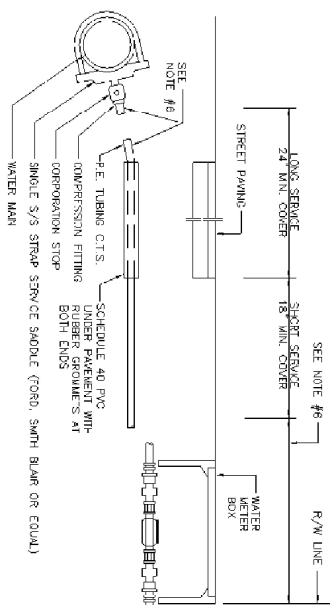
VALVE & BOX DETAIL

DETAIL No. IV-16

WATER MAIN
CONNECTION DETAIL

DETAIL No. IV-22

REMOVED NOV. 2007

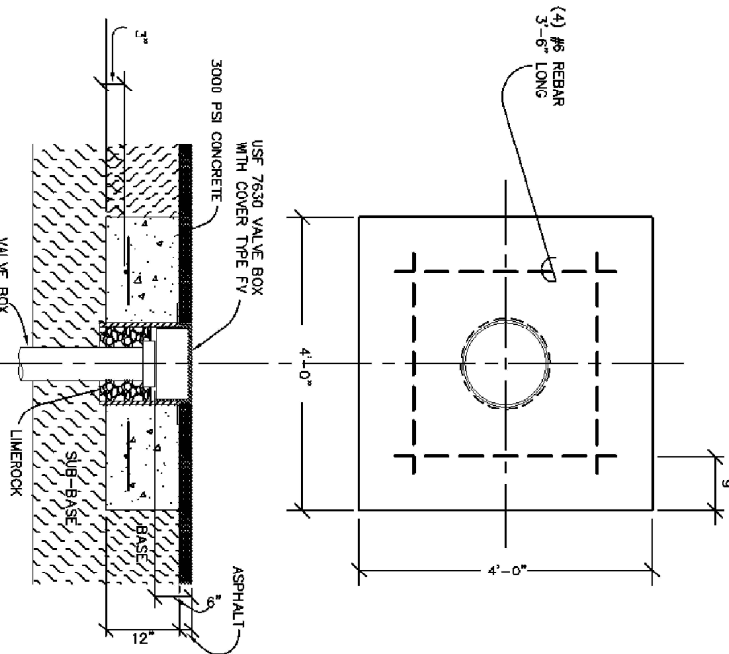


1. SLOTTED HOLES IN THE WATER MAIN SHALL BE SPACED NO LESS THAN 12" ON CENTER AND MINIMUM OF 18" FROM JOINTS AND FITTINGS.
2. SERVICE PIPE SHALL BE THE SAME SIZE AS THE WATER MAIN USED TO SERVE THE BUILDING.
3. CLOSING PIPE SHALL HAVE A DIAMETER AT LEAST 1" GREATER THAN SERVICE LINE DIAMETER.
4. ALL CLOSING PIPE SHALL EXTEND A MIN. OF 2' BEYOND THE END OF PAVED STREETS.
5. CLOSING PIPE SHALL BE P.E. CONFORMING TO ASTM 3408.
6. EXIST HOISTERS, NIP, "WINDMILL" OR E.O.L. SHALL BE 12" FOR ALL 6" OR 1" SERVICE LINES. THE MINIMUM RADIUS SHALL BE $24 \times$ FOR ALL 1" SERVICE LINES. THE MINIMUM RADIUS SHALL BE $14 \times$ FOR ALL 6" OR 1" SERVICE LINES.

IN PAVEMENT
VALVE BOX DETAIL

DETAIL No. IV-23

FEBRUARY 05, 2007



LUCKY RANCH TRAIL
CITRUS COUNTY, FLORIDA

PREPARED FOR
FREEDOM CAPITAL ALLIANCE, LLC

<i>REVISIONS</i>		
		<i>REVISION</i>
1		
2		
3		
4		
5		

DSGN BY:	<i>QHM</i>
DWG BY:	<i>AXA</i>
CHK BY:	<i>QHM</i>
DATE:	<i>5/29/2026</i>
JOB No.:	<i>2375</i>
SHEET No.:	<i>17</i>

